
RF Test Report

Report No.: AGC00552190601EE07

PRODUCT DESIGNATION : Smart Phone
BRAND NAME : CUBOT
MODEL NAME : R19
APPLICANT : Shenzhen Huafurui Technology Co., Ltd.
DATE OF ISSUE : Jul 18, 2019
STANDARD(S) : EN 301 908-1 V11.1.1 (2016-07)
: EN 301 908-2 V11.1.2 (2017-08)
REPORT VERSION : V1.1

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Report Revise Record

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1. TEST REPORT CERTIFICATION

Applicant	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen, P.R. China
Manufacturer	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen, P.R. China
Factory Name	Shenzhen Huafurui Technology Co., Ltd.
Address	Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden), Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district, Shenzhen, P.R. China
Product Designation	Smart Phone
Brand Name	CUBOT
Test Model	R19
Date of test	Jun. 25, 2019 to Jul. 08, 2019
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-EC-3G1/RF

We, Attestation of Global Compliance (Shenzhen) Co., Ltd., for compliance with the requirements set forth in the European Standard ETSI EN 301 908-1/-2. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

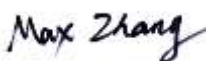
Tested By



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Jul. 08, 2019

Reviewed By



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Jul. 18, 2019

Approved By



Forrest Lei(Lei Yonggang)
Authorized Officer

Jul. 18, 2019



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2. GENERAL INFORMATION

2.1. DESCRIPTION OF EUT

2.1.1. FINAL EQUIPMENT BUILD STATUS

Details of technical specification refer to the description in follows:

Product Name	Smart Phone
Brand Name	CUBOT
Test Model	R19
Product Type	UMTS
Hardware Version	E557_MAIN_PCB_V1.2
Software Version	CUBOT_R19_V01_20190613
UMTS Frequency Bands	<input checked="" type="checkbox"/> FDD Band I <input checked="" type="checkbox"/> FDD Band VIII (EU Bands) <input type="checkbox"/> FDD Band V <input type="checkbox"/> FDD Band II (Non-EU Bands)
Modulation Mode	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Type	PIFA antenna
Antenna Gain	Band I:0.65dBi, Band VIII:0.35dBi;
Power Class	FDD Band I:3, FDD Band VIII:3
GSM Release Version	N/A
SIM Card Description	There are dual-SIM cards, just one for GSM/WCDMA/LTE and the other only for GSM.

2.1.2. PHOTOGRAPHS OF THE EUT

Please see Photo report for photographs of the EUT.

2.1.3. IDENTIFICATION OF SAMPLES EUT

The EUT Identity consists of numerical and letter characters (see the table below), the first five numerical characters indicates the Type of the EUT defined by AGC, the next letter character indicates the test sample, and the following two numerical characters indicates the software version of the test sample.

SAMPLE A01

Sample Reference Number	A01
Factory Name	Shenzhen Huafului Technology Co., Ltd.
Test Model	R19
Product Type	FDD Band I, FDD Band VIII
Frequency Bands	HSDPA:QPSK/16QAM;HSUPA:BPSK WCDMA: QPSK



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2.2. TYPE OF PICS/PIXIT INFORMATION

Item	Release	FDD (DS) RF Baseline Implementation capabilities	Support	Allowed Value	Comments
1	R99	Chip rate 3.84 Mbps	YES	Yes/No	--
2	R99	Frequency band: 1920-1980, 2110-2170 MHz	YES	Yes/No	Band I
3	R99	Frequency band: 1850-1910, 1930-1990 MHz	NO	Yes/No	Band II
9	R99	UE Power Class 1 (+33 dBm)	NO	Yes/No	--
10	R99	UE Power Class 2 (+27 dBm)	NO	Yes/No	--
11	R99	UE Power Class 3 (+24 dBm)	YES	Yes/No	--
12	R99	UE Power Class 4 (+21 dBm)	NO	Yes/No	--
14	R99	Frequency band: 1710-1785, 1805-1880 MHz	NO	Yes/No	Band III
15	R99	Frequency band: 1710-1755, 2110-2155 MHz	NO	Yes/No	Band IV
16	R99	Frequency band: 824-849, 869-894 MHz	NO	Yes/No	Band V
17	R99	Frequency band: 830-840, 875-885 MHz	NO	Yes/No	Band VI
18	R99	Frequency band: 2500-2570, 2620-2690 MHz	NO	Yes/No	Band VII
19	R99	Frequency band: 880-915, 925-960 MHz	YES	Yes/No	Band VIII
20	R99	Frequency band: 1749.9-1784.9, 1844.9-1879.9 MHz	NO	Yes/No	Band IX
21	R99	Frequency band: 1710-1770, 2110-2170 MHz	NO	Yes/No	Band X
22	R99	Frequency band: 1427.9-1452.9, 1475.9-1500.9 MHz	NO	Yes/No	Band XI
23	R99	Frequency band: 698-716, 728-746 MHz	NO	Yes/No	Band XII
24	R99	Frequency band: 777-787, 746-756 MHz	NO	Yes/No	Band XIII
25	R99	Frequency band: 788-798, 758-768 MHz	NO	Yes/No	Band XIV



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3. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

Test Site-1	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China

Note: adjacent channel selectivity, blocking characteristics, intermodulation characteristics of receiver test within the scope of TAF approval.

LIST OF EQUIPMENTS USED OF AGC

No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
1	H & T Chamber ETH225-40A	Test EQ	WIT-05121302	Feb. 27, 2019	Feb. 26, 2020
2	CMU200	R&S	120237	Feb. 27, 2019	Feb. 26, 2020
3	Wireless communication test set 8960	Agilent	GB46200384	July 13, 2018	July 12, 2019
4	Power Splitter 11636A	Agilent	34	Sep.20, 2018	Sep.19, 2019
5	Attenuator	JFW	50FHC-006-50	June 12, 2019	June 11, 2020
6	Vector Signal Generator SMU200A	R&S	104332	Sep.20, 2018	Sep.19, 2019
7	VECTOR ANALYZER E4440A	Agilent	MY44303916	June 12, 2019	June 11, 2020
8	MXG Vector Signal Generator N5182A	AGILENT	MY50140530	Sep.20, 2018	Sep.19, 2019
9	PSG Analog Signal Generator E8257D	AGILENT	MY45141029	Sep.20, 2018	Sep.19, 2019
10	MXA Signal Analyzer N9020A	AGILENT	W1312-60196	Dec. 20, 2018	Dec. 19, 2019
11	Universal Switch Control Unit	JS TONSCEND	N/A	---	---
12	Programmable Power Supply PPT-1830	GW INSTEK	EM907629	Aug.18, 2018	Aug.17, 2019
13	DC Power Source	N/A	GBD-60V30A	Feb. 27, 2019	Feb. 26, 2020
14	Attenuator	JFW	50FHC-006-50	June 12, 2019	June 11, 2020
15	EMI Test Receiver ESCI	R&S	10096	June 12, 2019	June 11, 2020
16	Double-Ridged Waveguide Horn Antenna 3117	ETS LINDGREN	00034609	Mar. 01, 2018	Feb. 28, 2020
17	Trilog Broadband Antenna VULB 9168	SCHWARZBEC K	494	Mar. 01, 2018	Feb. 28, 2020
18	LOOP ANTENNA SAS-562B	A.H	/	Mar. 01, 2018	Feb. 28, 2020



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No.	Type	Manufacturer	S/N	Cal. Date	Cal. Due
19	Artificial Mains Network ENV4200	R&S	101116	July 13, 2018	July 12, 2019
20	Artificial Mains Network ENV216	R&S	101242	July 13, 2018	July 12, 2019
21	Filter Bank Notch 1(880-915MHz)	MICRO-TRONI CS	010	Feb. 27, 2019	Feb. 26, 2020
22	Filter Bank Notch 2(1710-1785MHz)	MICRO-TRONI CS	009	Feb. 27, 2019	Feb. 26, 2020
23	Filter Bank Notch 3(1920-1980MHz)	MICRO-TRONI CS	008	Feb. 27, 2019	Feb. 26, 2020



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4. MEASUREMENT UNCERTAINTY

Parameter	Conditions	Test System Uncertainty
Transmitter Maximum Output power	--	±0,6dB
Transmitter spectrum emissions mask	--	±1,4 dB
Transmitter spurious emissions	$f \leq 2,2 \text{ GHz}$ $2,2 \text{ GHz} < f \leq 4 \text{ GHz}$ $f > 4 \text{ GHz}$ Co-existence band ($\geq -60 \text{ dBm}$) Co-existence band ($< -60 \text{ dBm}$)	±1,35 dB ±1.8 dB ±3.5 dB ±1.8 dB ±2.7 dB
Transmitter Minimum output power	--	±0.8 dB
Receiver Adjacent Channel Selectivity(ACS)	--	±0.9 dB
Receiver Blocking characteristics	$f < 15 \text{ MHz offset:}$ $15 \text{ MHz offset} \leq f \leq 2,2 \text{ GHz}$ $2,2 \text{ GHz} < f \leq 4 \text{ GHz}$ $f > 4 \text{ GHz}$	±1,1 dB ±0.8 dB ±1,5 dB ±2.9 dB
Receiver spurious response	$f \leq 2,2 \text{ GHz}$ $2,2 \text{ GHz} < f \leq 4 \text{ GHz}$ $f > 4 \text{ GHz}$	±0.8 dB ±1,5 dB ±2.9 dB
Receiver intermodulation characteristics	--	±1,2 dB
Receiver spurious emissions	For UE receive band (-60 dBm) For UE transmit band (-60 dBm) Outside the UE receive band: $f \leq 2,2 \text{ GHz}$ $2,2 \text{ GHz} < f \leq 4 \text{ GHz}$ $f > 4 \text{ GHz}$	±2.8 dB ±2.9 dB ±1.8 dB ±1.7 dB ±3.6 dB
Out of synchronization of handing power	DPCCH Ec/Ior Transmit OFF power	±0,3 dB ±0.8 dB
Transmitter adjacent channel leakage power ratio	--	±0,7 dB
Effective radiated RF power between 30 MHz and 180 MHz	--	±5 dB
Effective radiated RF power between 180 MHz and 12.75 GHz	--	±2 dB
Conducted RF power	--	±0.9 dB



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5. TEST RESULT

5.1. APPLIED REFERENCE DOCUMENTS

Leading reference documents for testing:

No.	Identity	Document Title
1	ETSI EN 301 908-1	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements
2	ETSI EN 301 908-2	IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)

Specific reference documents for testing:

No.	Identity	Document Title
3	3GPP TS 34.121-1	3rd Generation Partnership Project; Technical Specification Group Radio Access Network ; Terminal conformance specification; Radio transmission and reception (FDD)
4	3GPP TS 34.121-2	3rd Generation Partnership Project; Technical Specification Group Radio Access Network User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS)

5.2. TEST ENVIRONMENT/CONDITIONS

Normal Temperature (NT)	15 ... 35 °C
Relative Humidity	20 ... 75 %
Air Pressure	980 ... 1020 hPa
Adapter Test Model Name	R19
Details of Power Supply (Rated Input)	AC100-240V, 50/60Hz,0.15A
Details of Power Supply (Rated Output)	DC5.0V,1000mA
Extreme Temperature	Low Temperature (TL) = -10°C High Temperature (TH) = +40°C
Extreme Voltage of the EUT	Low Voltage = DC 3.40V Normal Voltage= DC 3.80V High Voltage = DC 4.35V

Note: The Limit Voltage 4.35V was declared by manufacturer,

The EUT couldn't be operate normally with higher voltage.

The maximum temperature of 40 is not a standard requirement and is measured according to the maximum service temperature stated by the manufacturer.



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5.3. ITEMS USED IN THE TEST RESULTS LIST

Terms in the column “Verdict” for the test results list of the section:

Verdict	Description
PASS	EUT passed this test case
FAIL	EUT failed this test case
INC.	EUT did not pass and did not fail this test case, therefore the verdict is inconclusive
FOUR-FAITH	Test case not applicable for the EUT, see the column “Note” for detailed



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5.4. TEST RESULTS LIST

ETSI EN 301 908-1

Test case	Description	Condition	FDDI		FDDVIII	
			Sample	Result	Sample	Result
5.3.1	Radiated emission (UE)	NTC	A01	PASS	A01	PASS
5.3.3	Control and monitoring functions (UE)	NTC	A01	PASS	A01	PASS



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ETSI EN 301 908-2

Test case	Description	Condition	FDDI		FDDVIII	
			Sample	Result	Sample	Result
4.2.2	Transmitter Characteristics/Maximum Output Power	NTC	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	HT/HV	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	HT/LV	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	LT/HV	A01	PASS	A01	PASS
4.2.2	Transmitter Characteristics/Maximum Output Power	LT/LV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	NTC	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	HTHV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	HTLV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	LT/HV	A01	PASS	A01	PASS
4.2.5	Transmitter Characteristics/Output Dynamics in the Uplink/Minimum Output Power	LT/LV	A01	PASS	A01	PASS
4.2.11	Transmitter Characteristics/Output Dynamics in the Uplink/Out-of-synchronization Handling of Output power	NTC	A01	PASS	A01	PASS
4.2.3	Transmitter Characteristics/Spectrum Emission Mask	NTC	A01	PASS	A01	PASS
4.2.3	Transmitter Characteristics/Spectrum Emission Mask-HSDPA&HSUPA	NTC	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	NTC	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio	HT/HV	A01	PASS	A01	PASS



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	(ACLR)					
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	HT/LV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	LT/HV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)	LT/LV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	NTC	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	HT/HV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	HT/LV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	LT/HV	A01	PASS	A01	PASS
4.2.12	Transmitter Characteristics/Adjacent Channel Leakage Power Ratio (ACLR)--HSDPA&HSUPA	LT/LV	A01	PASS	A01	PASS
4.2.4	Transmitter Characteristics/Spurious Emissions	NTC	A01	PASS	A01	PASS
4.2.6	Receiver Characteristics/Adjacent Channel Selectivity (ACS)	NTC	A01	PASS	A01	PASS
4.2.7	Receiver Characteristics/Blocking Characteristics	NTC	A01	PASS	A01	PASS
4.2.8	Receiver Characteristics/Spurious Response	NTC	A01	PASS	A01	PASS
4.2.9	Receiver Characteristics /Intermodulation Characteristics	NTC	A01	PASS	A01	PASS



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4.2.10	Receiver Characteristics/Spurious Emissions	NTC	A01	PASS	A01	PASS
4.2.13	Receiver Reference Sensitivity level	NTC	A01	PASS	A01	PASS

Note: All the SIM Cards had been tested, but the worst test result is SIM Card 1 and recorded in the test report.



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Appendix A. Transmitter maximum output power

Note: All the modes had been tested, but only the worst data recorded in the report.

Operating Band	Test Conditions	Test Channel	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	23.75	24(+1.7/-3.7)	Pass
		MCH	23.94	24(+1.7/-3.7)	Pass
		HCH	23.94	24(+1.7/-3.7)	Pass
Band VIII	TNVN	LCH	23.29	24(+1.7/-3.7)	Pass
		MCH	23.31	24(+1.7/-3.7)	Pass
		HCH	23.57	24(+1.7/-3.7)	Pass



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Appendix B. Transmitter minimum output power

Note: All the modes had been tested, but only the worst data recorded in the report.

Operating Band	Test Conditions	Test Channel	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	-54.95	-49	Pass
		MCH	-55.29	-49	Pass
		HCH	-55.26	-49	Pass
Band VIII	TNVN	LCH	-55.78	-49	Pass
		MCH	-56.15	-49	Pass
		HCH	-55.94	-49	Pass



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Appendix C. Transmitter spectrum emission mask BAND I

Operating Band	Test Conditions	Δf in MHz	Test Channel		
			LCH	MCH	HCH
Band I	TNVN	2.5-3.5	PASS	PASS	PASS
		3.5-7.5			
		7.5-8.5			
		8.5-12.5 MHz			

BAND VIII

Operating Band	Test Conditions	Δf in MHz	Test Channel		
			LCH	MCH	HCH
Band VIII	TNVN	2.5-3.5	PASS	PASS	PASS
		3.5-7.5			
		7.5-8.5			
		8.5-12.5 MHz			



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Xixiang, Bao'an District, Shenzhen, Guangdong, China

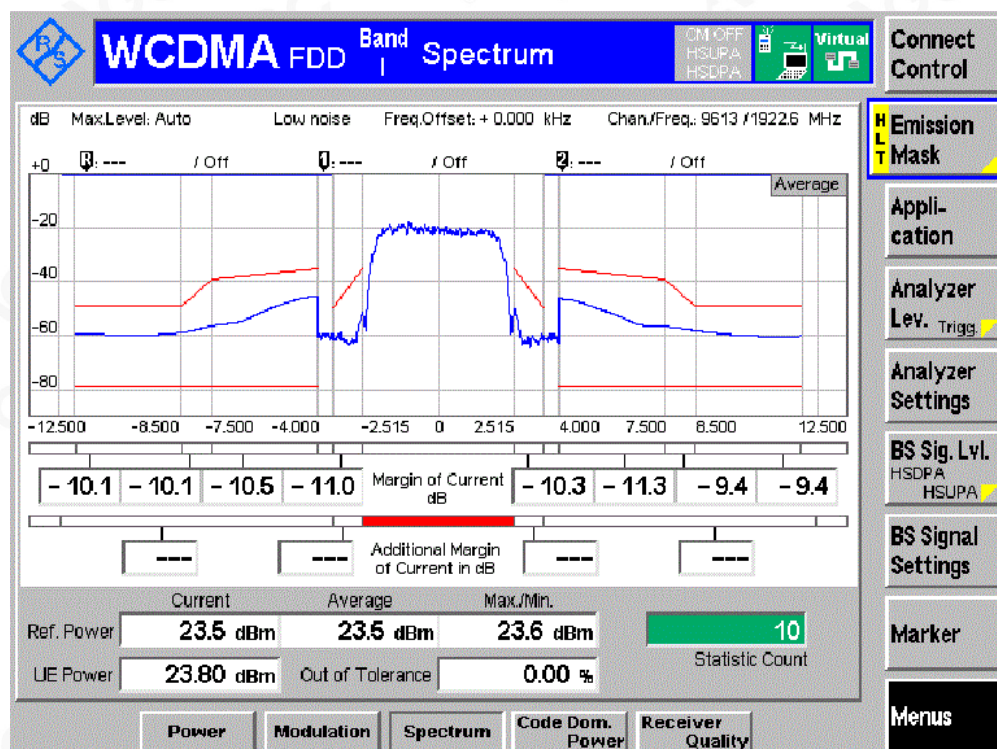
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

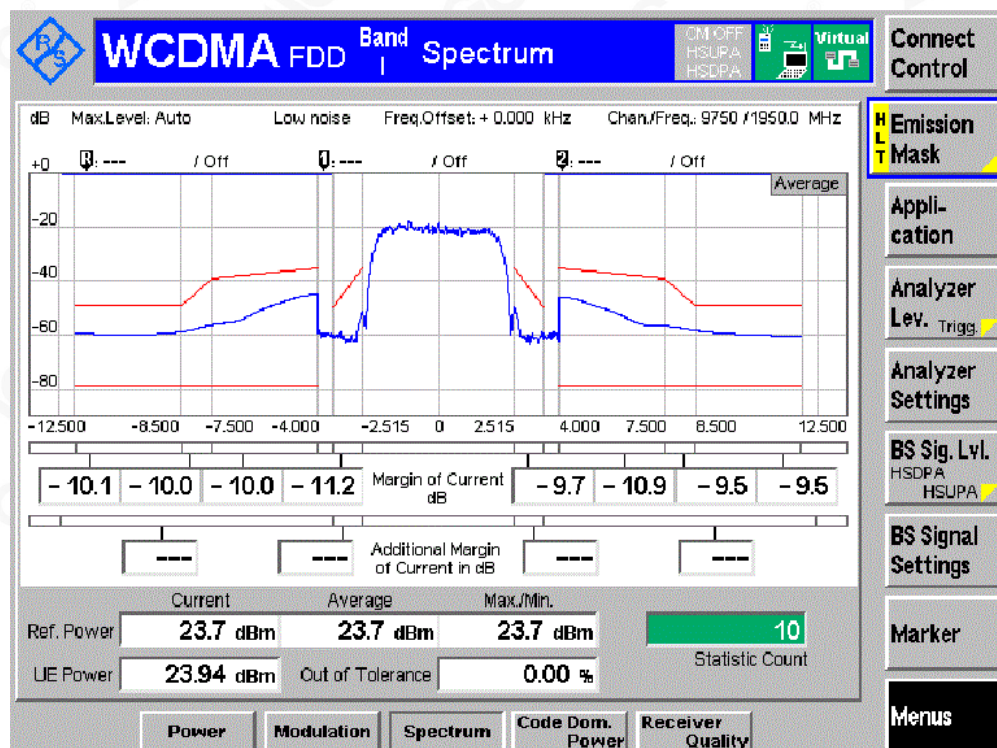
Service Hotline:400 089 2118

BAND I

Channel LCH



Channel MCH



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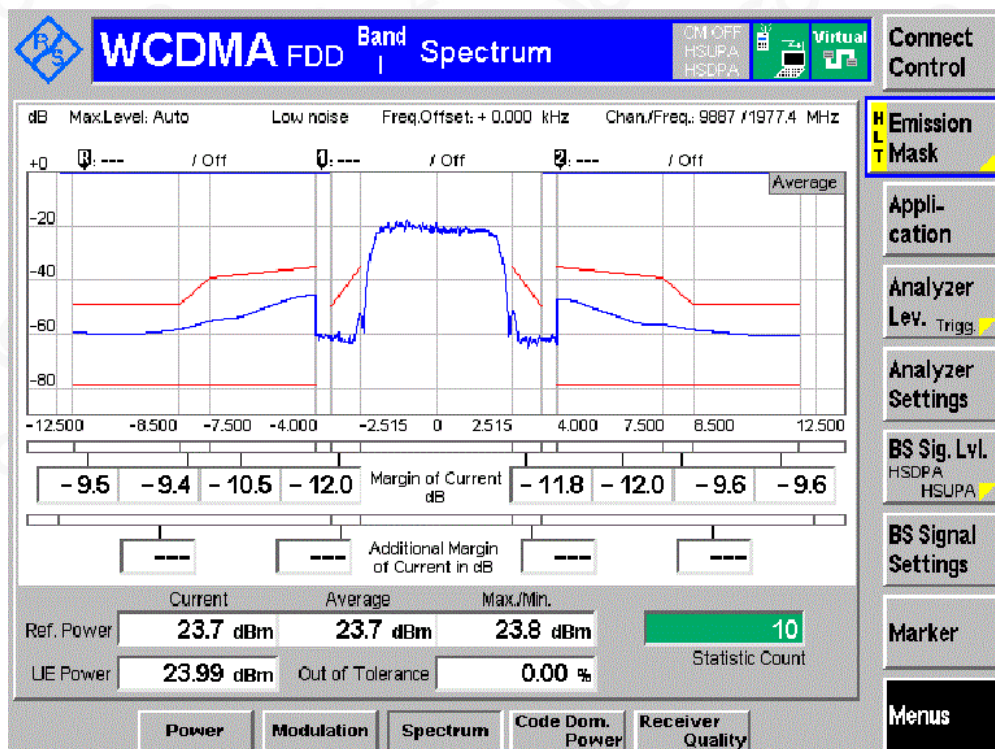
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

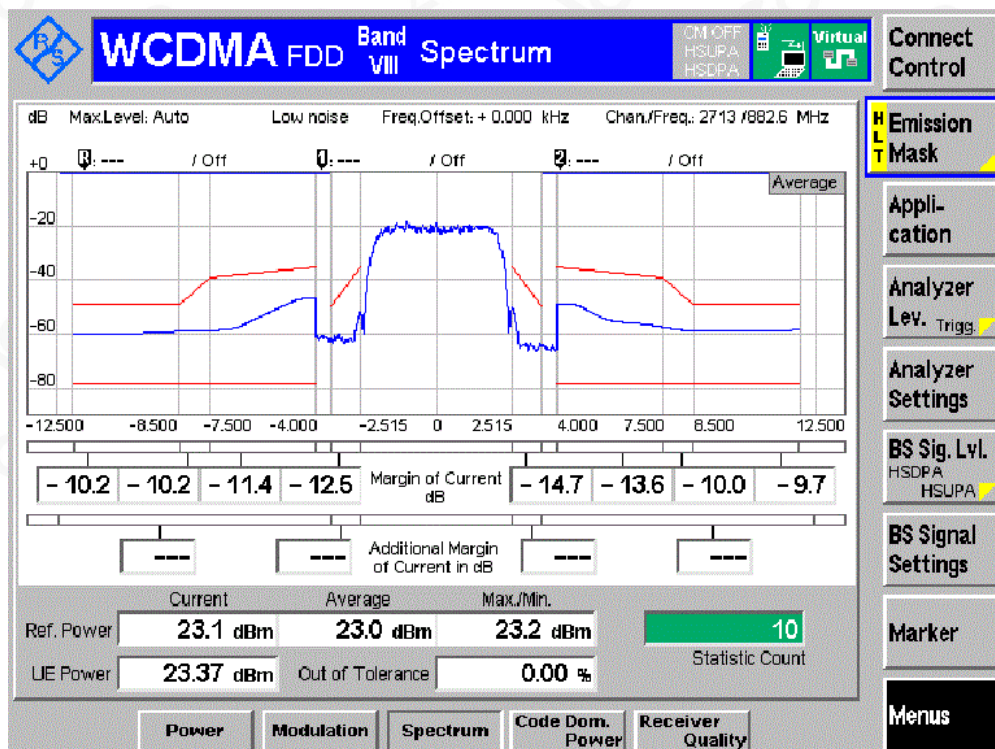
Service Hotline:400 089 2118

Channel HCH



BAND VIII

Channel LCH



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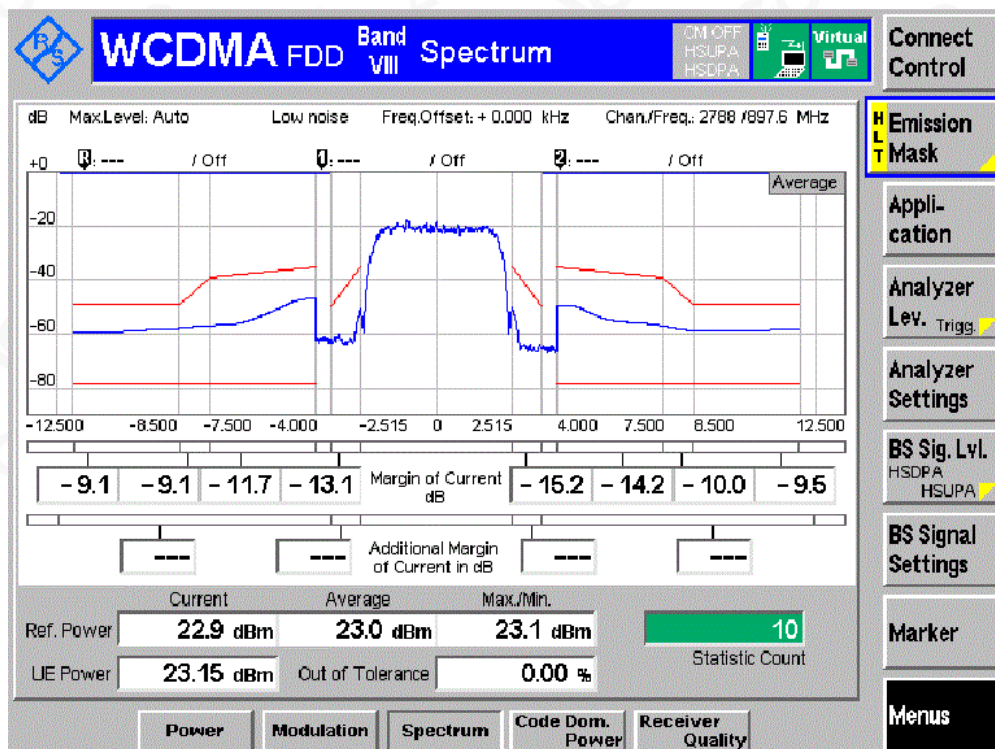
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Tel: +86-755 2523 4088

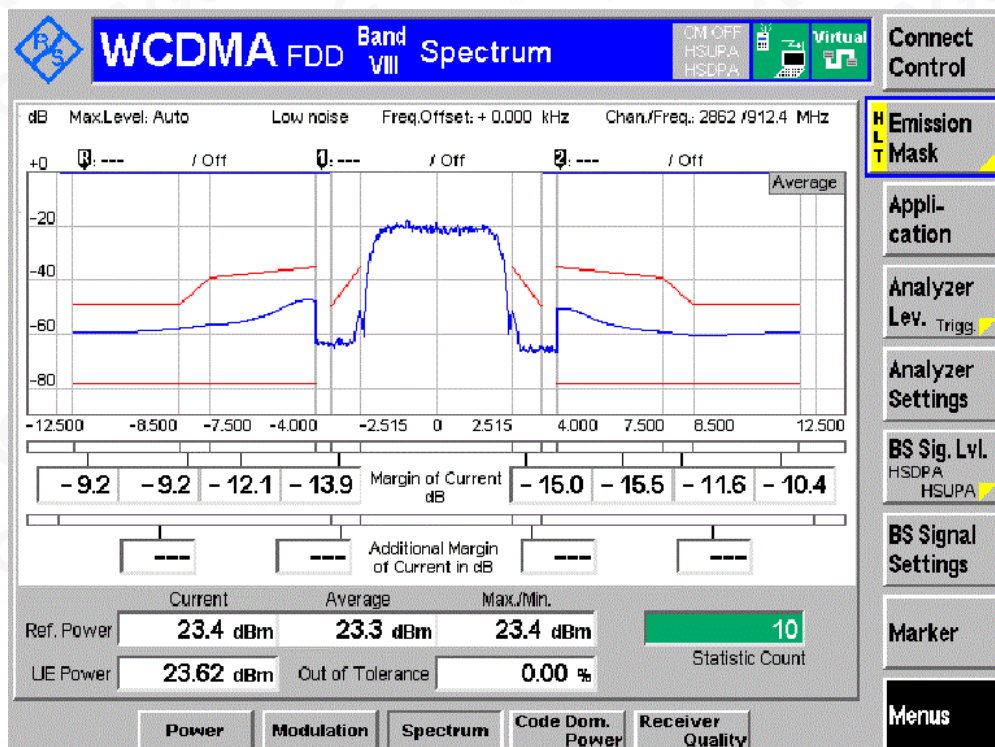
E-mail: agc@agc-cert.com

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Channel MCH



Channel HCH



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Appendix D. Transmitter adjacent channel leakage power ratio

Operating Band	Test Conditions	Test Channel	UE Channel	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	+5MHz	-43.06	-32.2	Pass
			-5 MHz	-42.10	-32.2	Pass
			-10 MHz	-54.19	-42.2	Pass
			+10 MHz	-54.23	-42.2	Pass
		MCH	+5MHz	-42.59	-32.2	Pass
			-5 MHz	-41.62	-32.2	Pass
			-10 MHz	-54.24	-42.2	Pass
			+10 MHz	-54.21	-42.2	Pass
		HCH	+5MHz	-43.51	-32.2	Pass
			-5 MHz	-42.24	-32.2	Pass
			-10 MHz	-54.01	-42.2	Pass
			+10 MHz	-54.32	-42.2	Pass
Band VIII	TNVN	LCH	+5MHz	-45.96	-32.2	Pass
			-5 MHz	-43.43	-32.2	Pass
			-10 MHz	-54.41	-42.2	Pass
			+10 MHz	-53.39	-42.2	Pass
		MCH	+5MHz	-46.13	-32.2	Pass
			-5 MHz	-43.56	-32.2	Pass
			-10 MHz	-53.31	-42.2	Pass
			+10 MHz	-53.42	-42.2	Pass
		HCH	+5MHz	-47.60	-32.2	Pass
			-5 MHz	-44.51	-32.2	Pass
			-10 MHz	-53.58	-42.2	Pass
			+10 MHz	-54.74	-42.2	Pass



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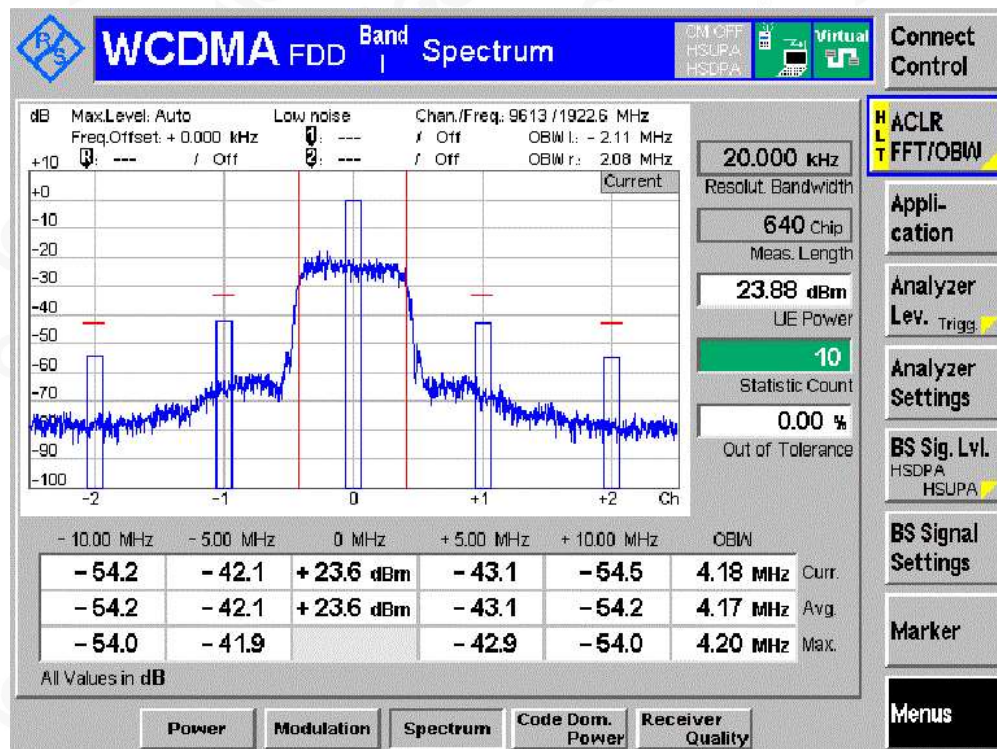
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

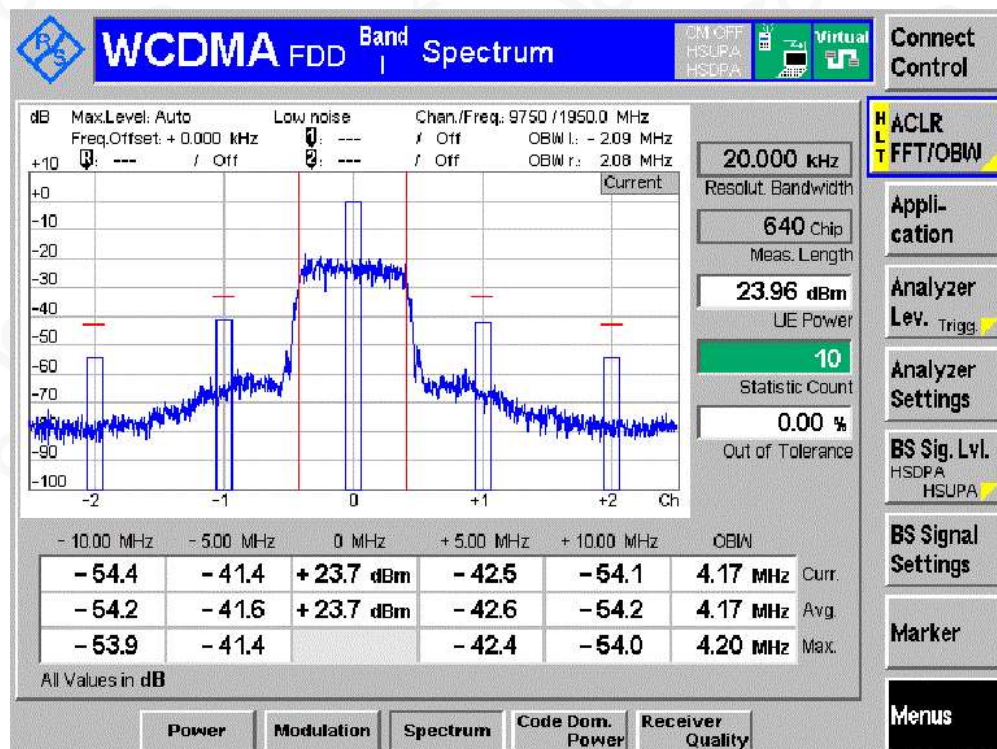
BAND I

TNPN

Channel LCH



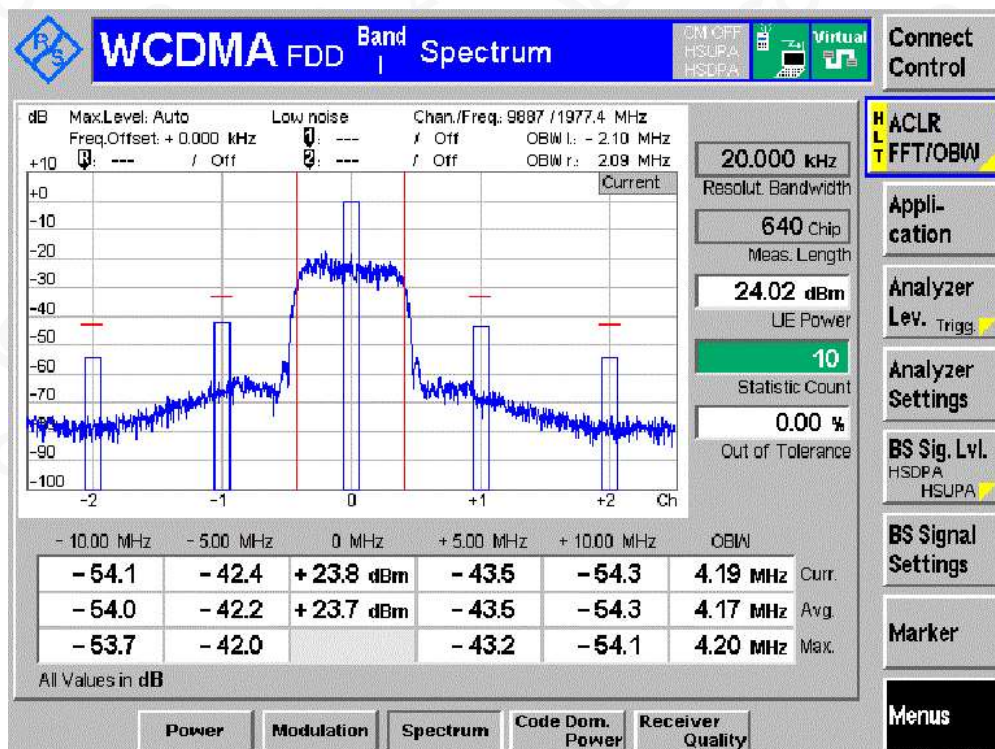
Channel MCH



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Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

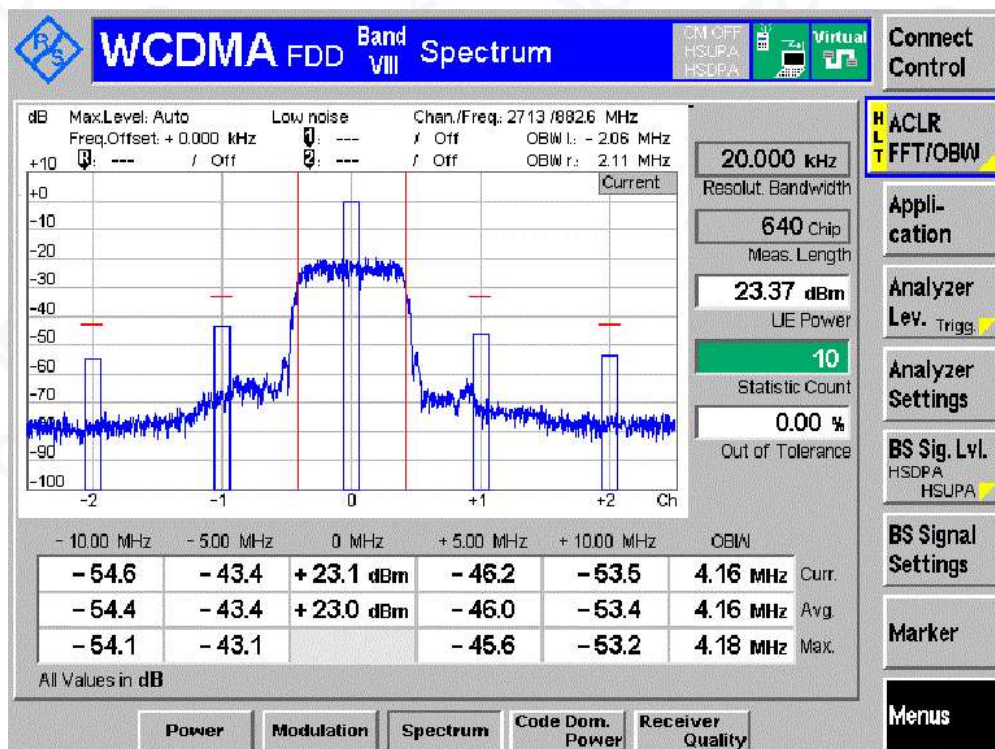
Channel HCH



BAND VIII

TNVN

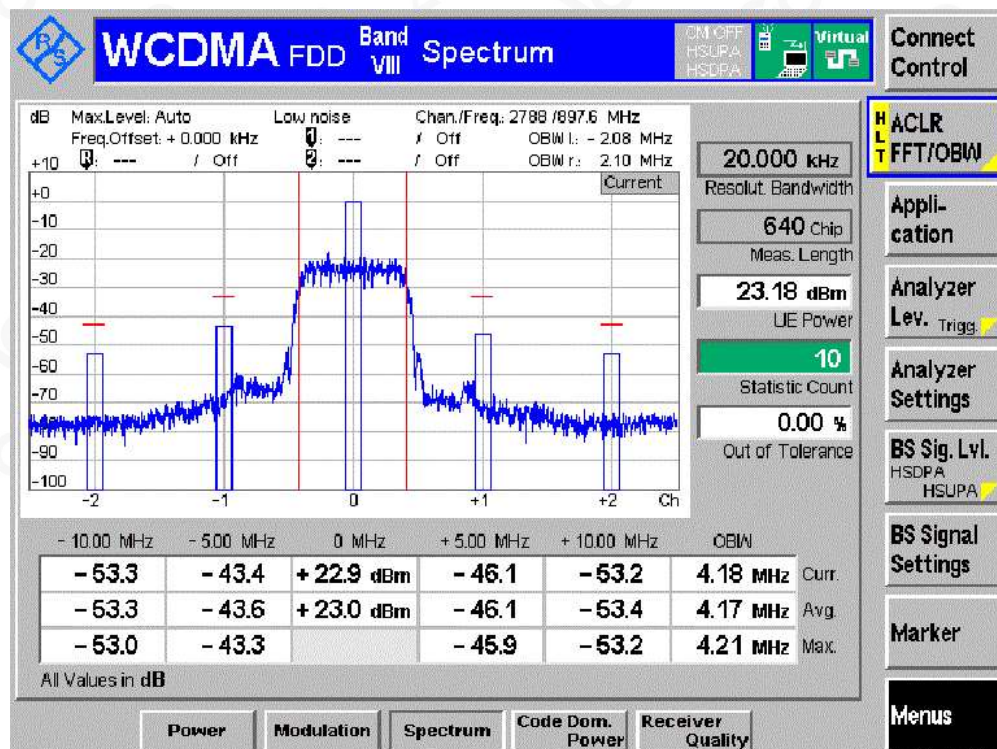
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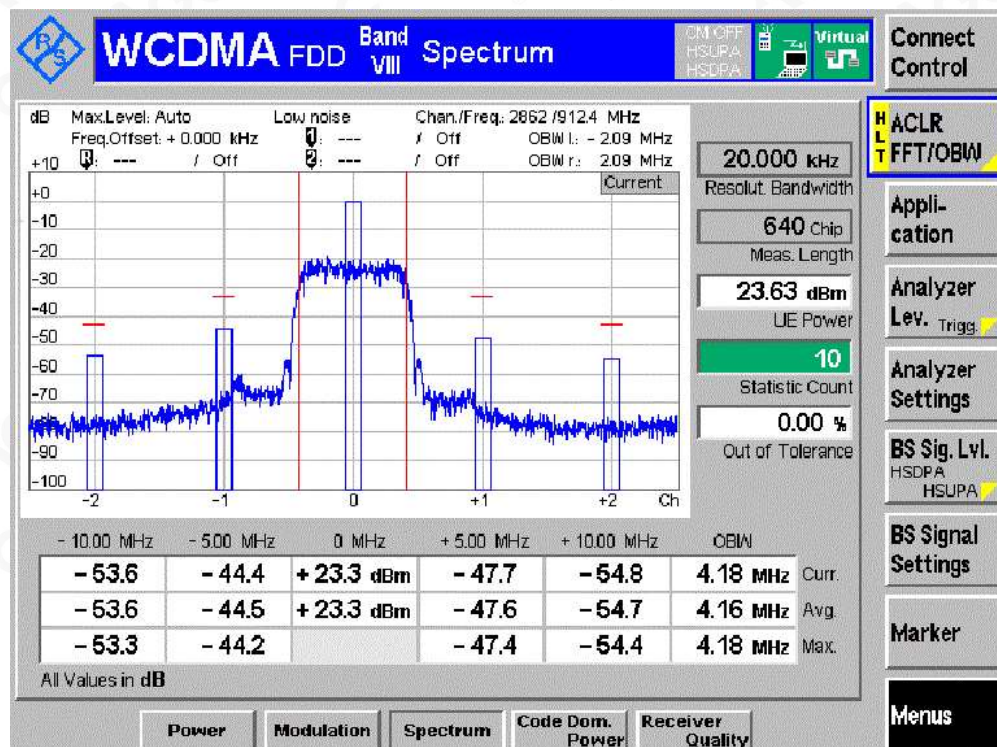
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Channel MCH



Channel HCH



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Appendix E. Transmitter spurious emissions

Frequency	RBW	Max. Level	Test Band=Band I			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
9 kHz ≤f < 150 kHz	1 kHz	-36	-57.47	-58.69	-58.91	Pass
150 kHz ≤f < 30 MHz	10 kHz	-36	-60.20	-59.15	-60.68	Pass
30 MHz ≤f < 1 000 MHz	100kHz	-36	-60.03	-59.65	-59.02	Pass
1 GHz ≤f < 12.75GHz	1 MHz	-30	-42.87	-42.61	-42.66	Pass
791 MHz ≤f ≤821 MHz	3,84MHz	-60	-64.49	-64.48	-64.49	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-61.87	-62.29	-62.06	Pass
925 MHz ≤f ≤935 MHz	100 kHz	-67	-77.04	-77.12	-77.23	Pass
935 MHz < f ≤960 MHz	100 kHz	-79	-87.12	-87.23	-87.04	Pass
1 805 MHz ≤f ≤1 880 MHz	100 kHz	-71	-83.00	-83.12	-83.17	Pass
2 110 MHz ≤f ≤2 170 MHz	3,84MHz	-60	-68.80	-68.82	-68.81	Pass
2 585 MHz ≤f ≤2 690 MHz	3,84MHz	-60	-66.22	-66.17	-66.20	Pass

Frequency	RBW	Max. Level (dbm)	Test Band=Band VIII			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
9 kHz ≤f < 150 kHz	1 kHz	-36	-56.61	-57.46	-56.95	Pass
150 kHz ≤f < 30 MHz	10 kHz	-36	-58.46	-58.91	-58.17	Pass
30 MHz ≤f < 1 000 MHz	100kHz	-36	-53.37	-52.99	-54.18	Pass
1 GHz ≤f < 12.75 GHz	1 MHz	-30	-43.06	-42.94	-42.89	Pass
791 MHz ≤f ≤821 MHz	3,84MHz	-60	-63.80	-63.78	-63.74	Pass
925MHz ≤f ≤935 MHz	100 kHz	-67	-73.40	-72.93	-73.34	Pass
	3.84MHz	-60	-69.27	-69.24	-69.17	Pass



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935MHz ≤f ≤960 MHz	100KHz	-79	-86.83	-87.01	-87.08	Pass
	3,84MHz	-60	-69.22	-69.25	-69.19	Pass
1805MHz ≤f ≤1830 MHz	100KHz	-71	-83.00	-82.76	-83.08	Pass
	3,84MHz	-60	-69.54	-69.52	-69.55	Pass
1830MHz ≤f ≤1880 MHz	100KHz	-71	-83.12	-83.07	-83.04	Pass
	3,84MHz	-60	-63.76	-63.74	-63.74	Pass
2110MHz ≤f ≤2170MHz	3,84MHz	-60	-68.81	-68.84	-68.82	Pass
2 585 MHz ≤f ≤2 640 MHz	3,84MHz	-60	-65.85	-65.84	-65.83	Pass
2 640 MHz ≤f ≤2 690 MHz	3,84MHz	-60	-66.20	-66.18	-66.18	Pass



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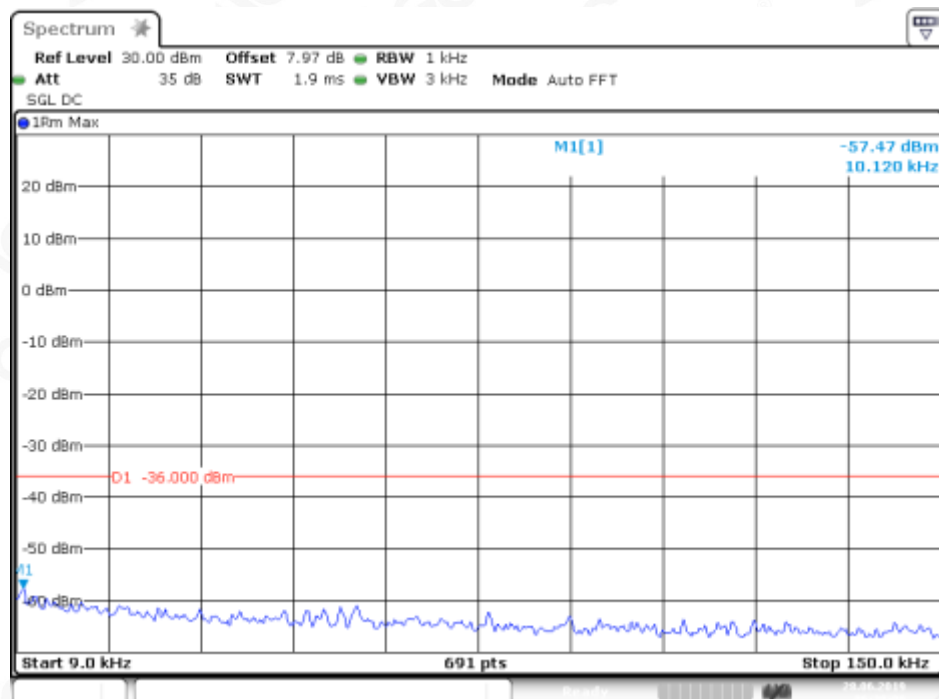
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Service Hotline:400 089 2118

BAND I

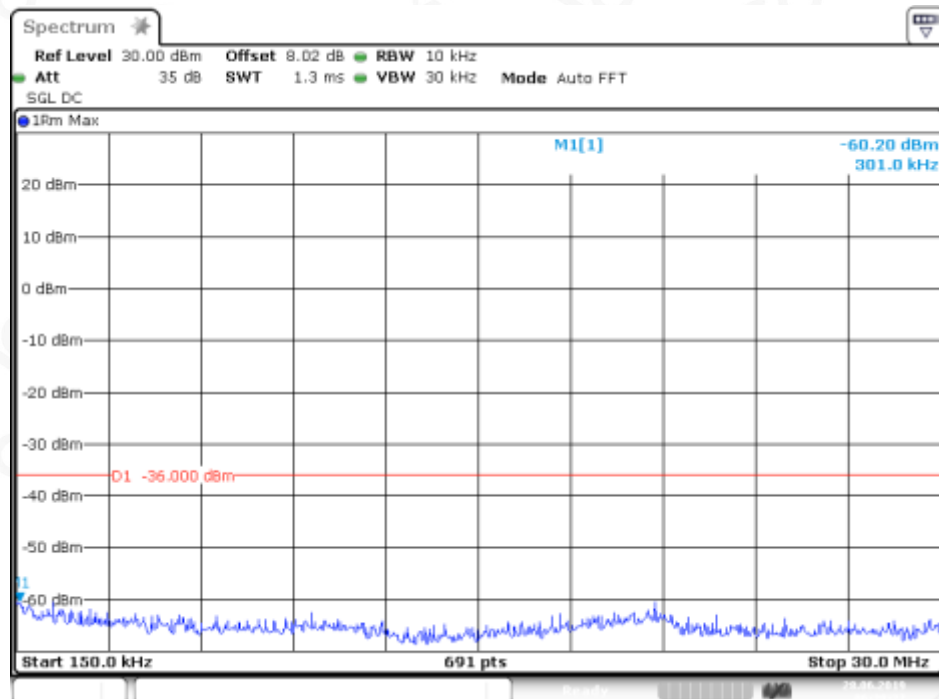
Channel LCH

9KHZ~150KHZ



Date: 28.JUN.2019 06:28:09

150KHZ~30MHZ



Date: 28.JUN.2019 06:28:26



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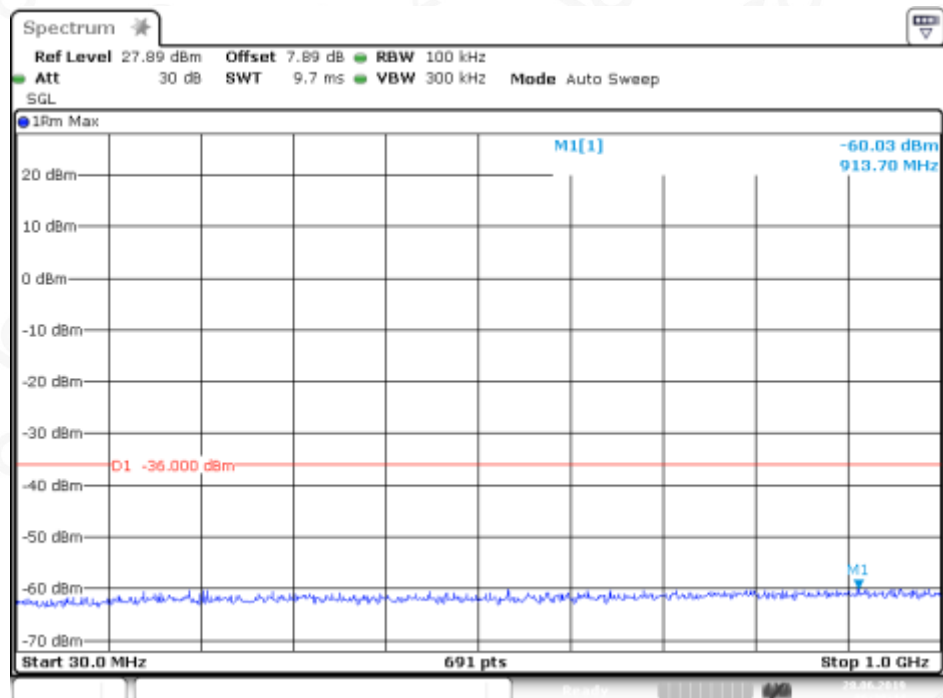
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

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E-mail: agc@agc-cert.com

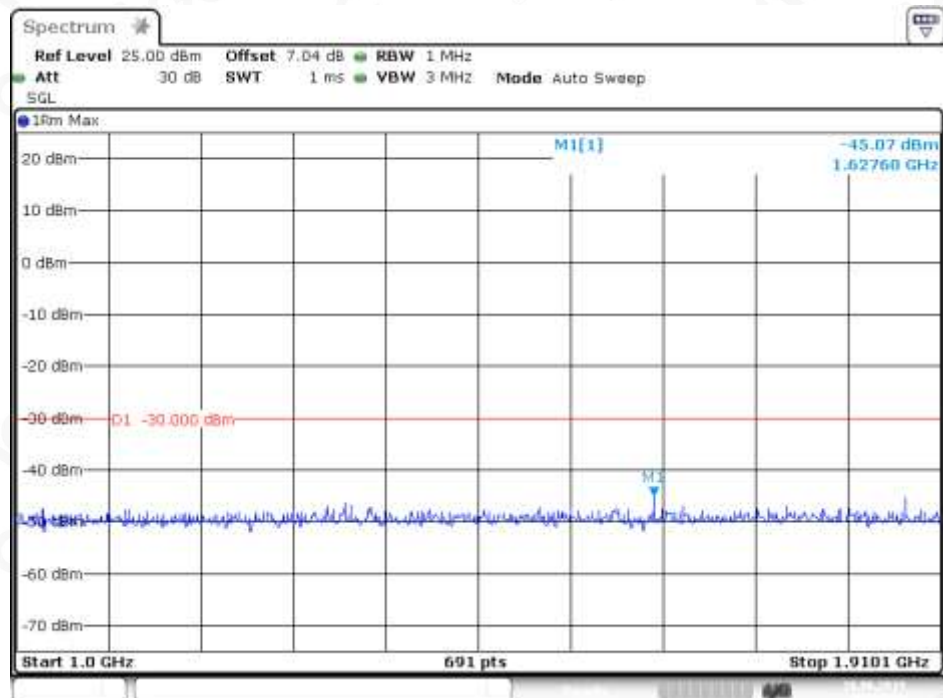
Service Hotline:400 089 2118

30MHZ~1GHZ



Date: 28.JUN.2019 06:28:44

1GHZ~1.9101GHZ



Date: 28.JUN.2019 06:29:01



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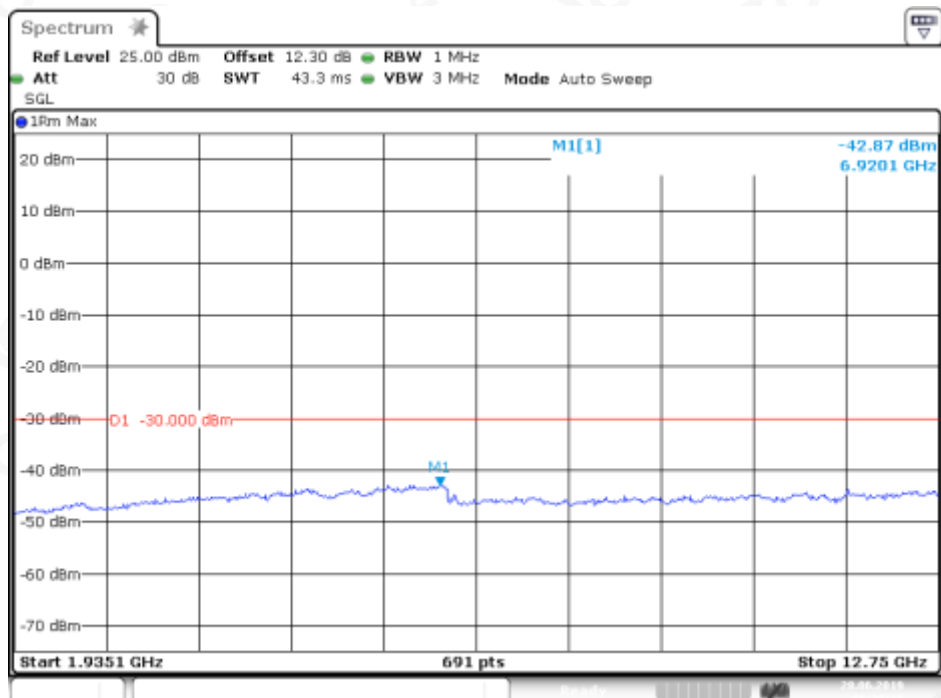
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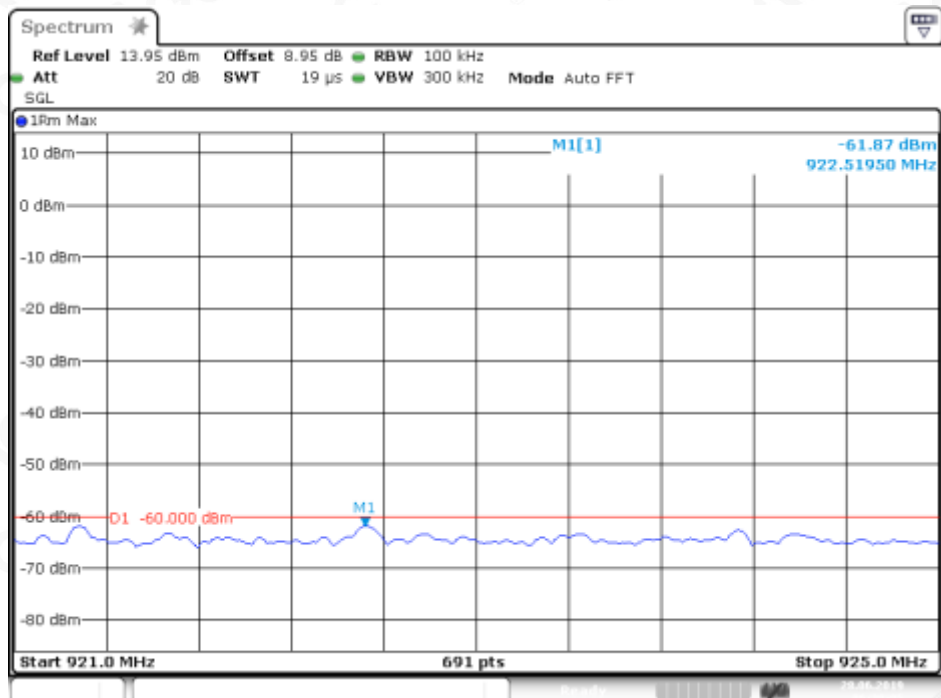
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1.9351GHZ~12.75GHZ



Date: 28.JUN.2019 06:29:19

921MHZ~925MHZ



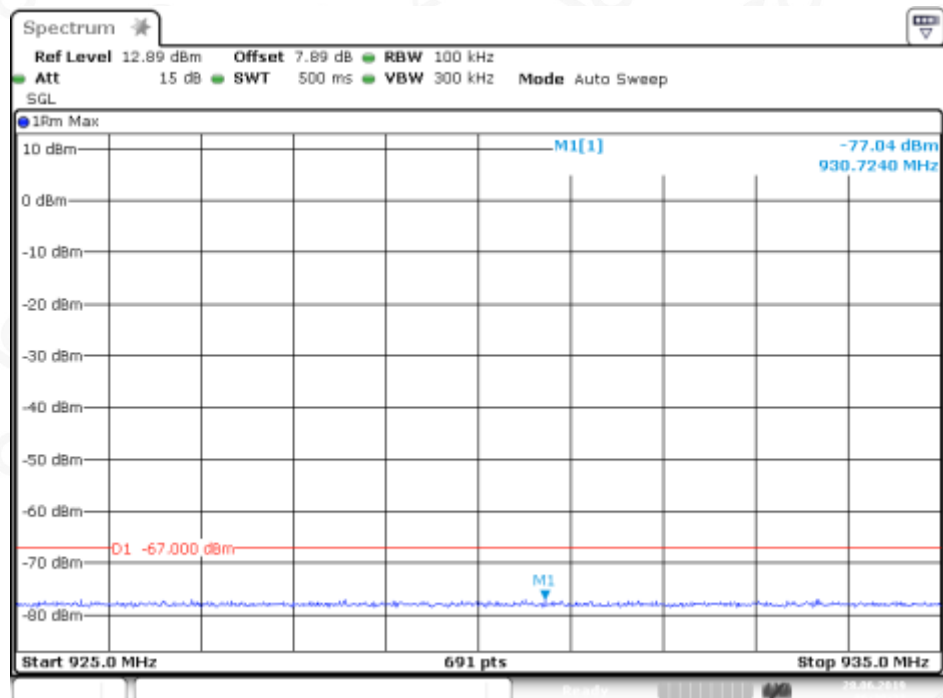
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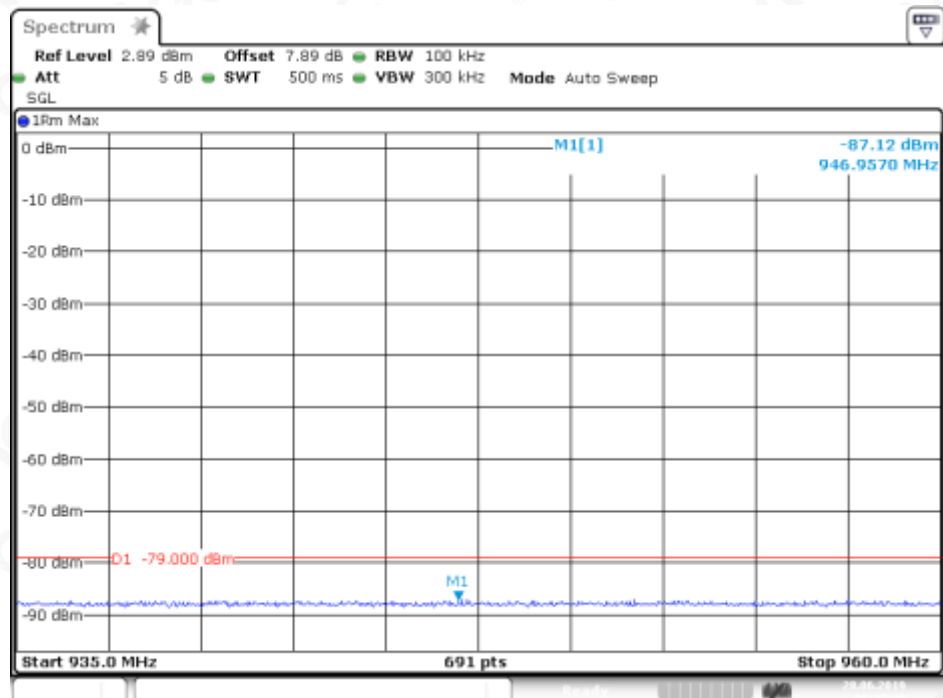
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925MHZ~935MHZ



Date: 28.JUN.2019 06:30:23

935MHZ~960MHZ



Date: 28.JUN.2019 06:30:40



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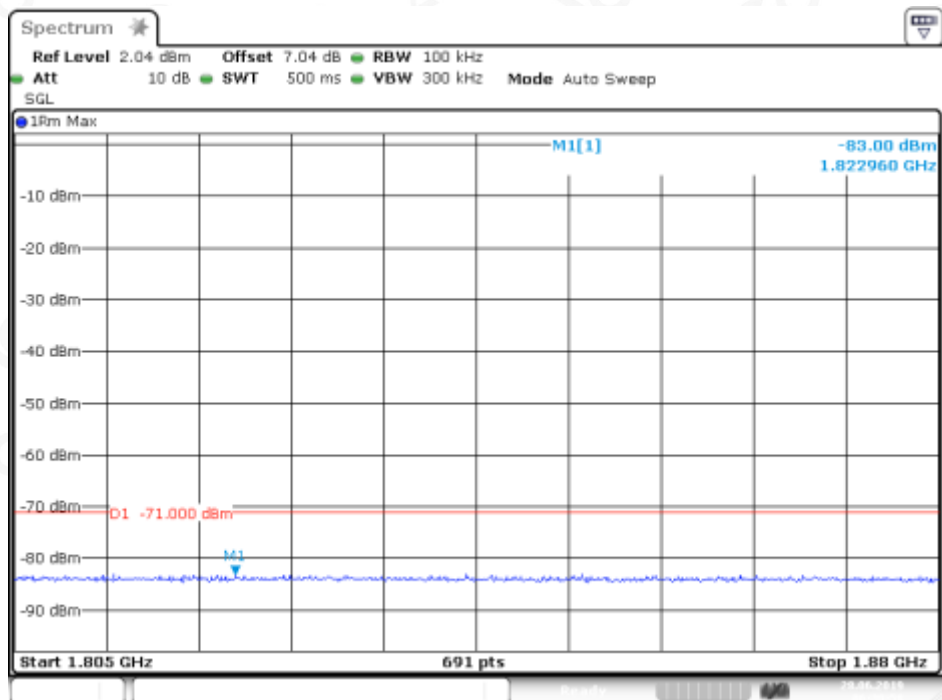
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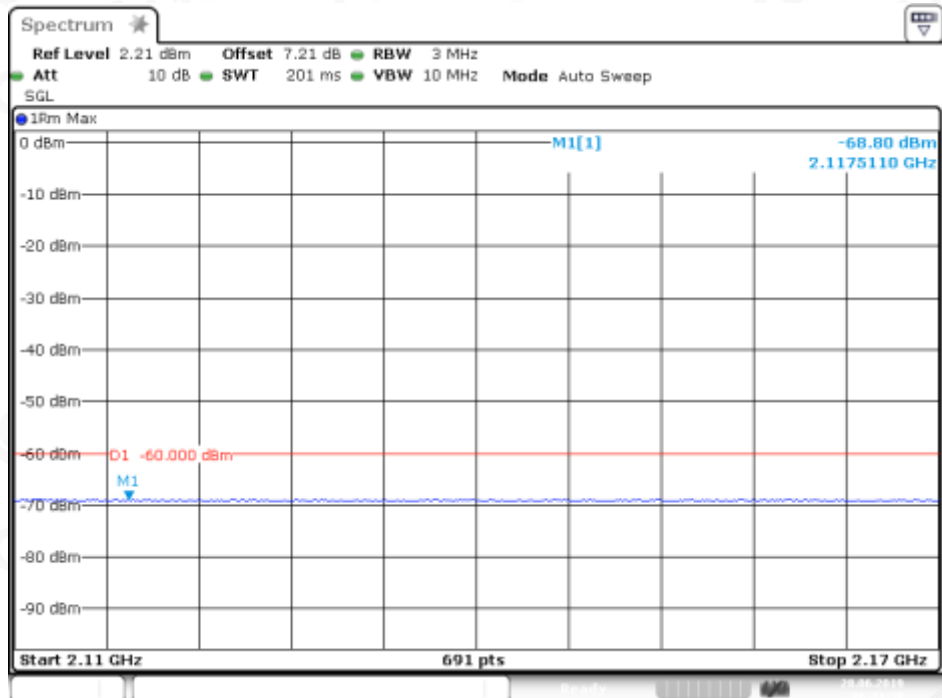
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 06:30:58

2110MHZ~2170MHZ



Date: 28.JUN.2019 06:31:37



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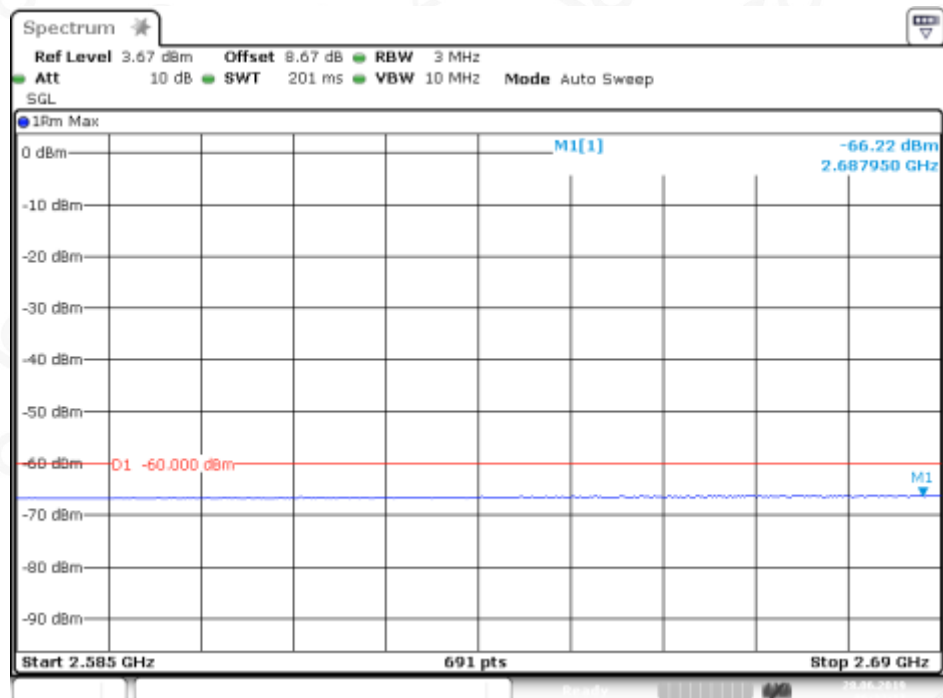
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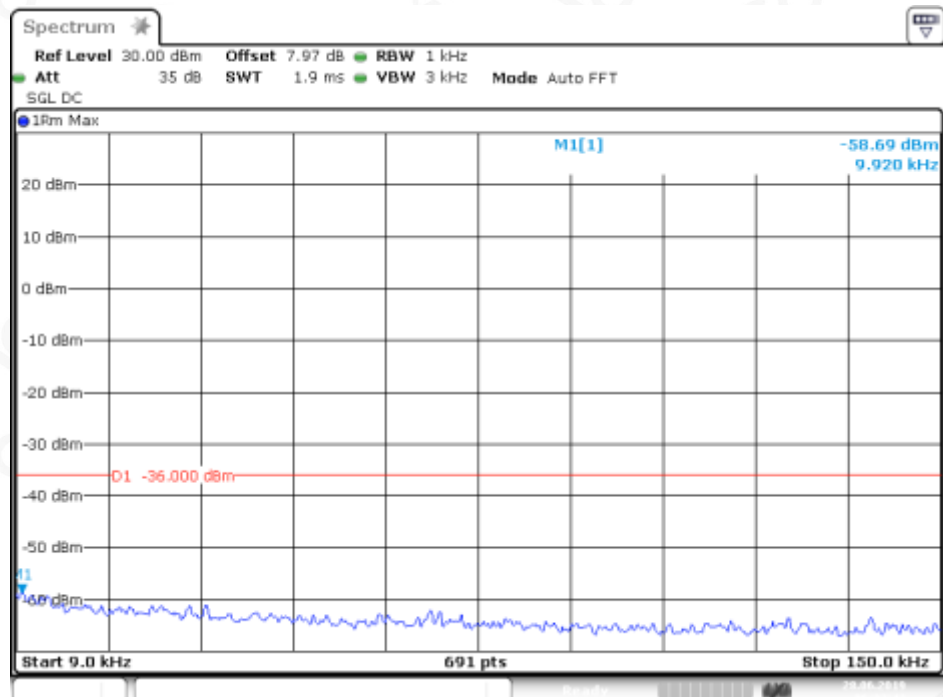
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Date: 28.JUN.2019 06:32:17

Channel MCH

9KHZ~150KHZ



Date: 28.JUN.2019 06:32:43



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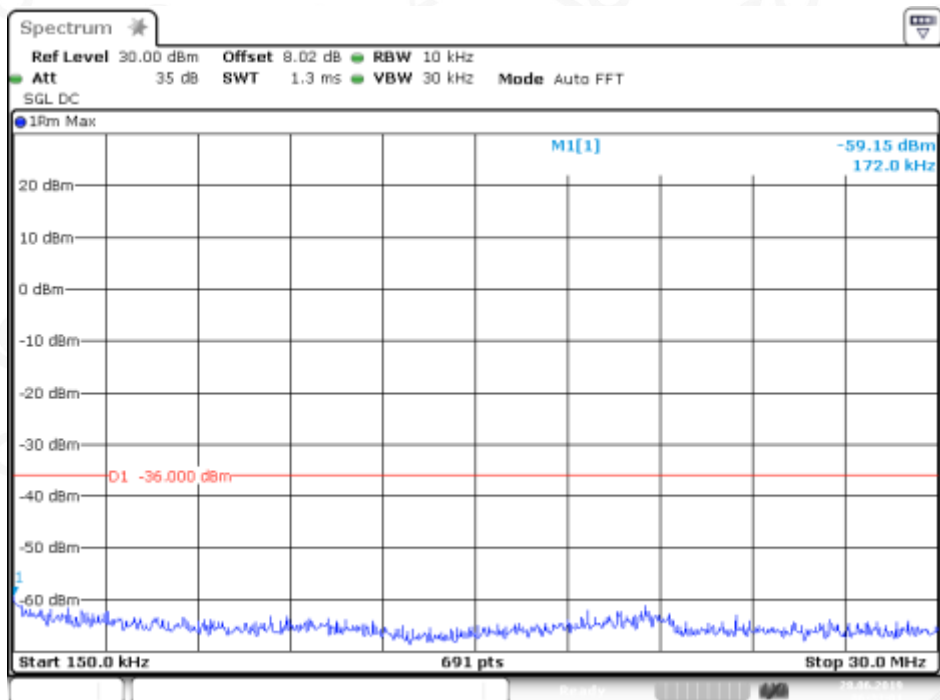
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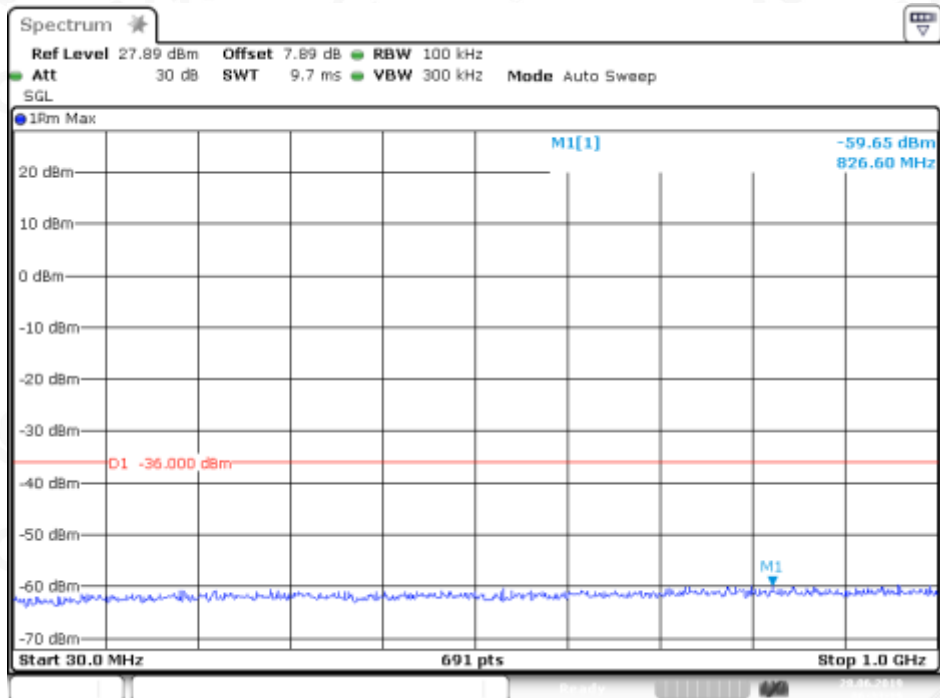
Service Hotline:400 089 2118

150KHZ~30MHZ



Date: 28.JUN.2019 06:33:01

30MHZ~1GHZ



Date: 28.JUN.2019 06:33:18



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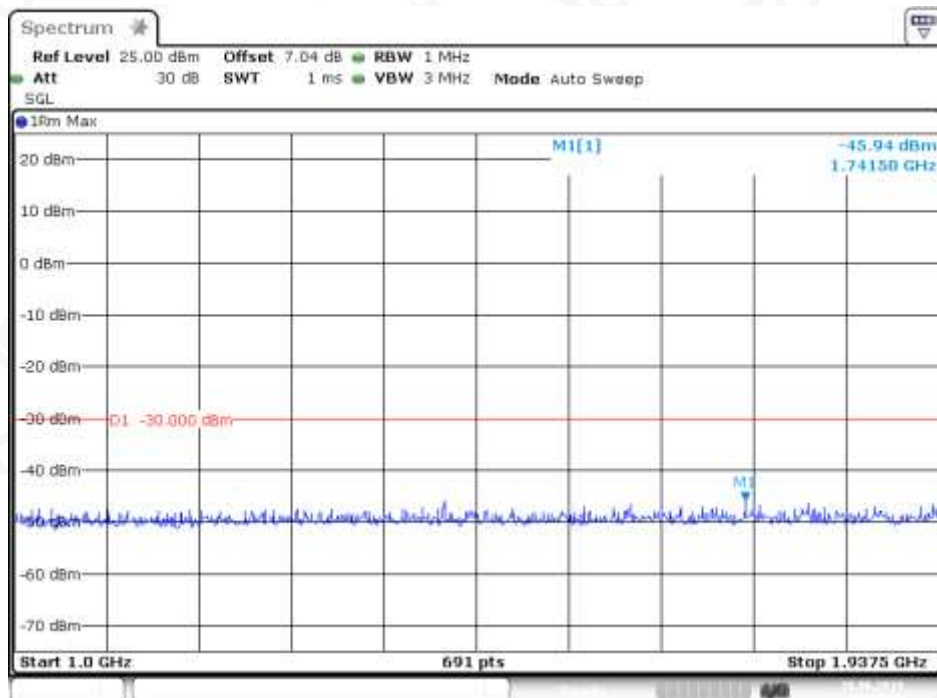
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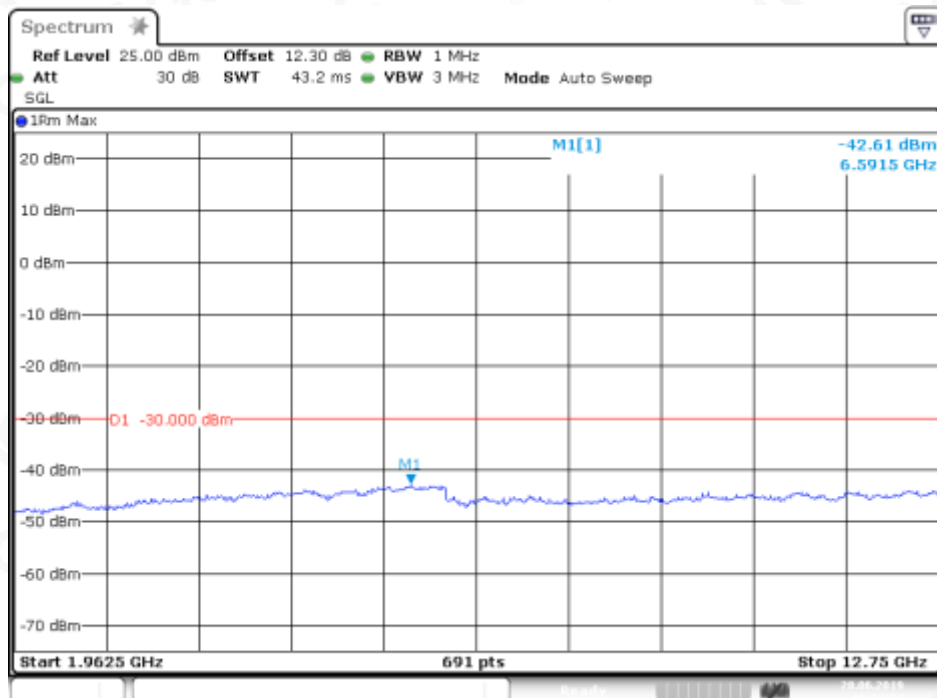
Service Hotline:400 089 2118

1GHZ~1.9101GHZ



Date: 28.JUN.2019 06:33:36

1.9625GHZ~12.75GHZ



Date: 28.JUN.2019 06:33:54

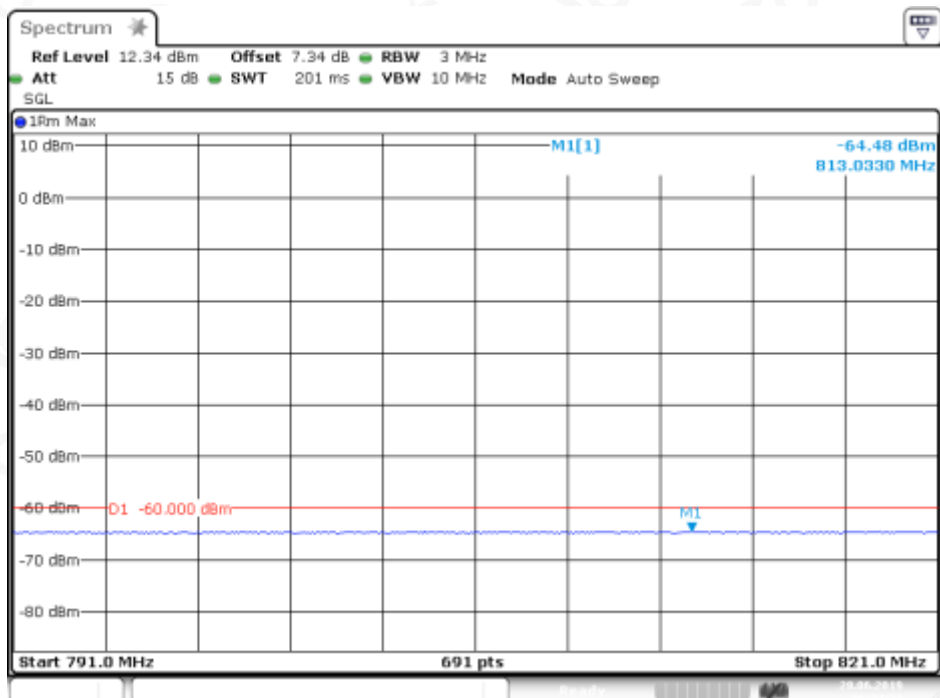


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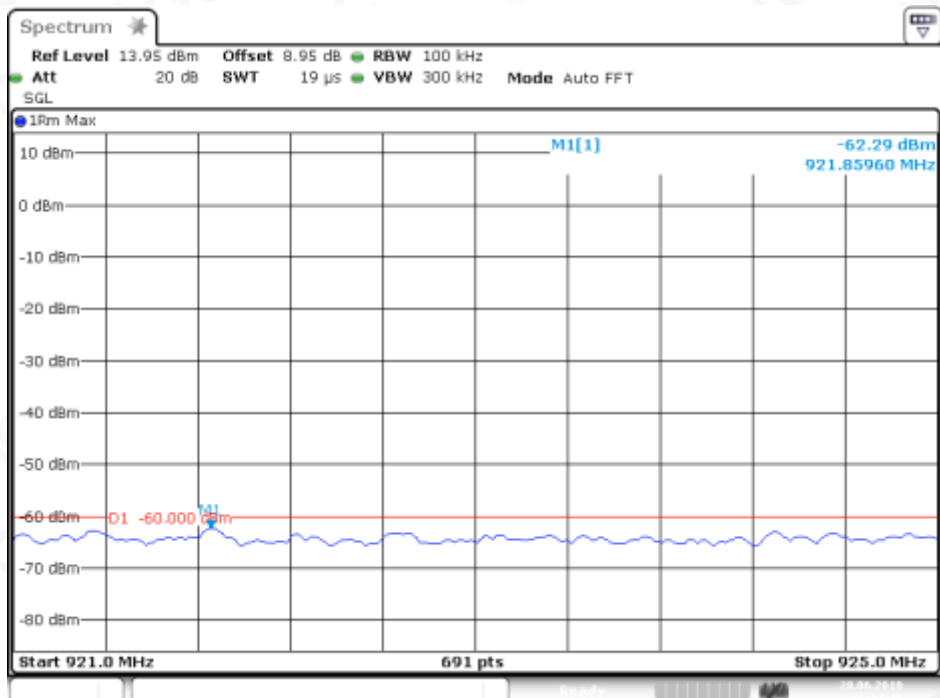
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 06:34:22

921MHZ~925MHZ



Date: 28.JUN.2019 06:34:40



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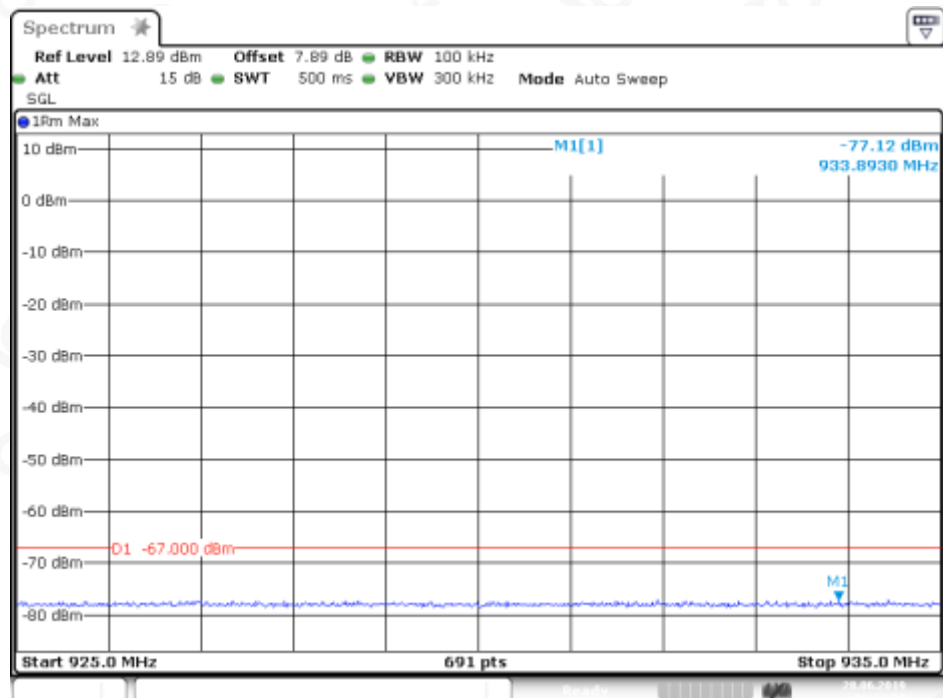
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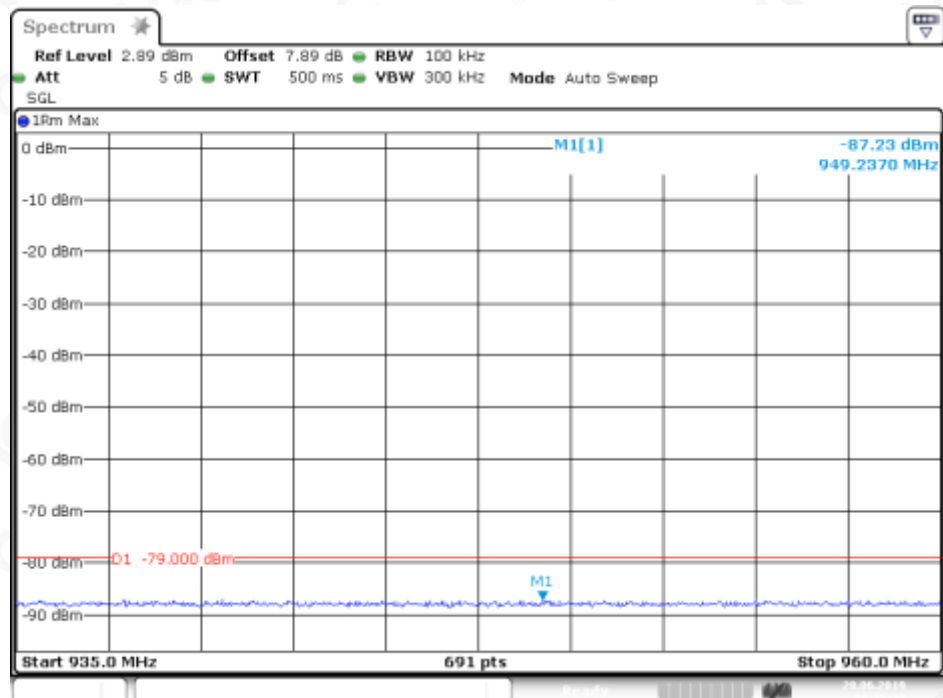
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 06:34:58

935MHZ~960MHZ



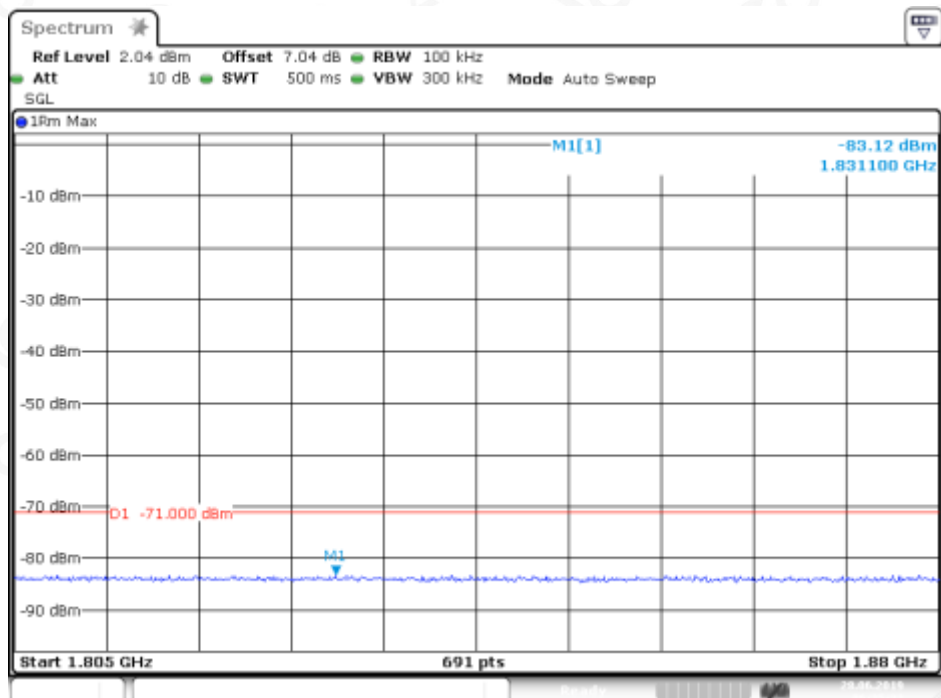
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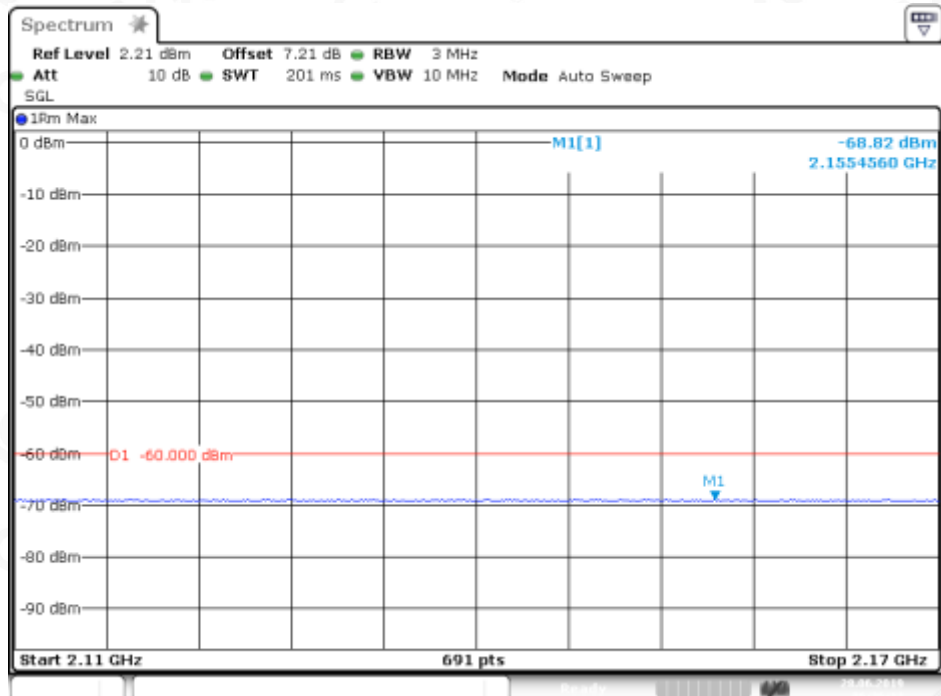
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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1805MHZ~1880MHZ



Date: 28.JUN.2019 06:35:33

2110MHZ~2170MHZ



Date: 28.JUN.2019 06:36:12



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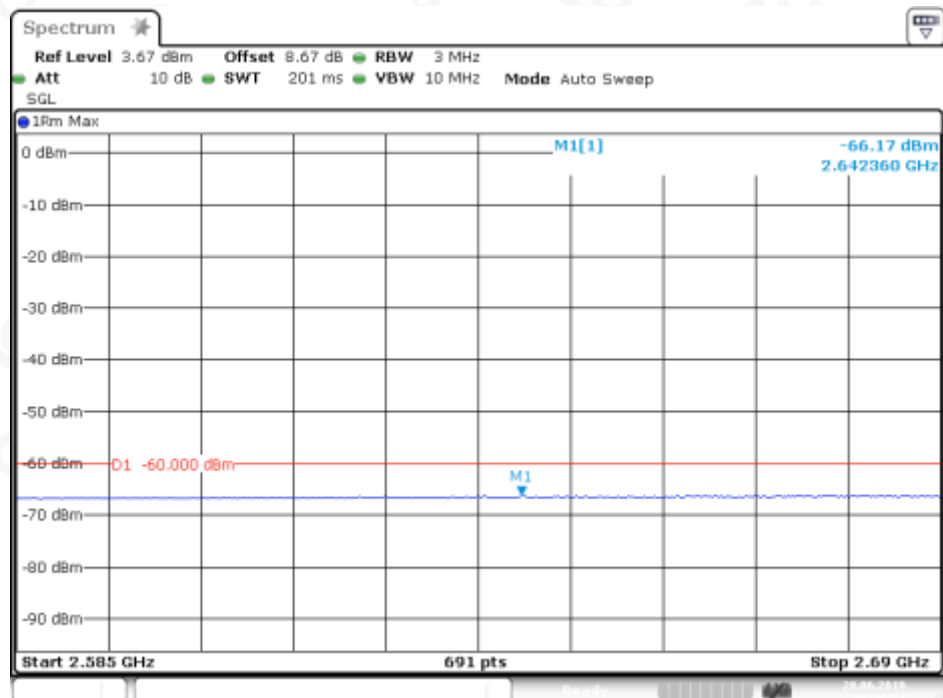
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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Tel: +86-755 2523 4088

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Service Hotline:400 089 2118

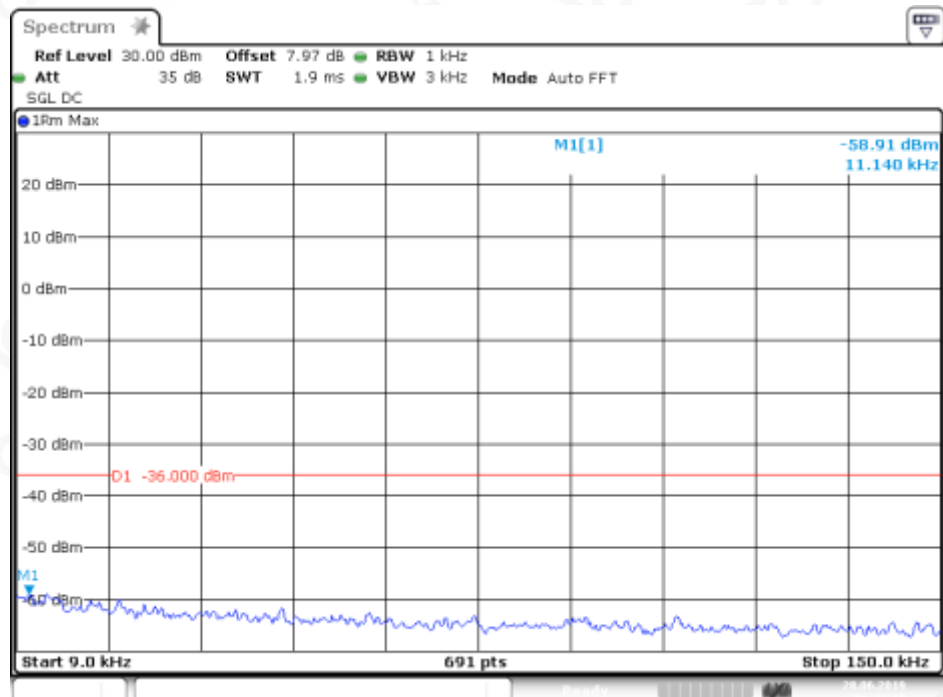
2585MHZ~2690MHZ



Date: 28.JUN.2019 06:36:52

Channel HCH

9KHZ~150KHZ



Date: 28.JUN.2019 06:37:18



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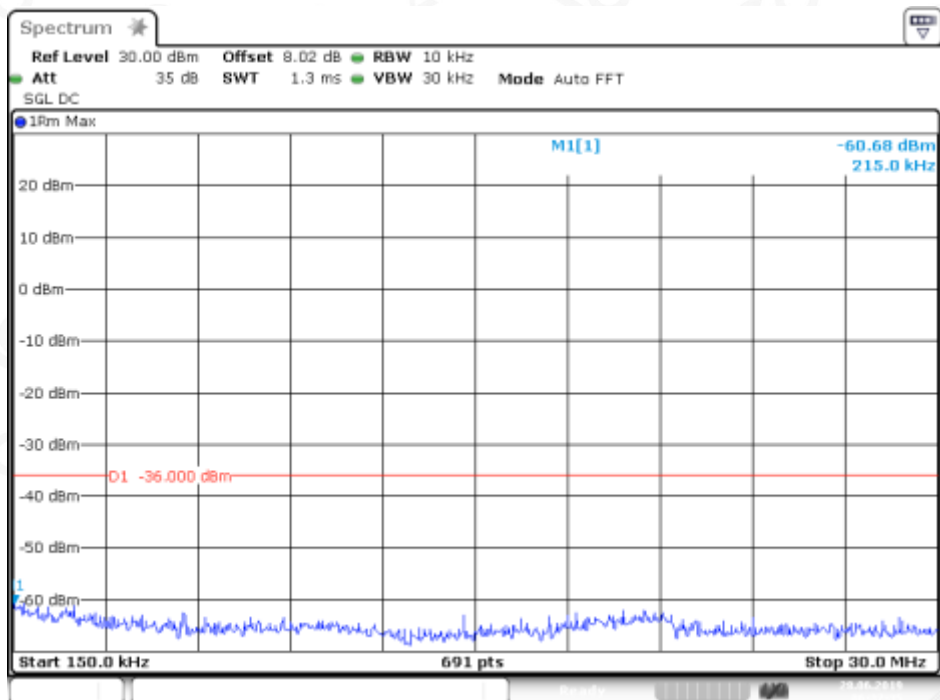
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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Tel: +86-755 2523 4088

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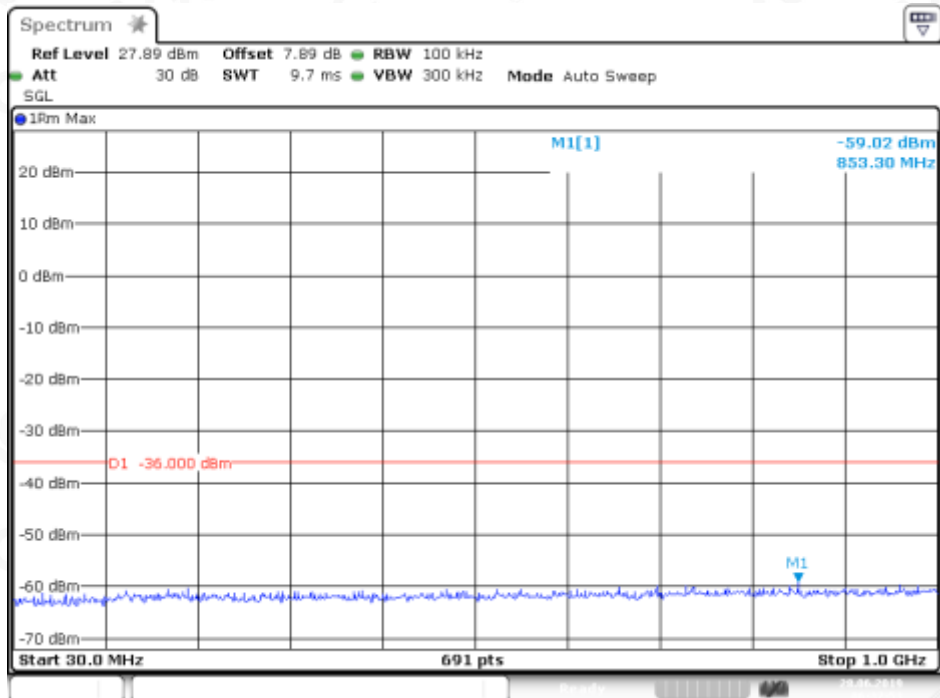
Service Hotline:400 089 2118

150KHZ~30MHZ



Date: 28.JUN.2019 06:37:35

30MHZ~1GHZ



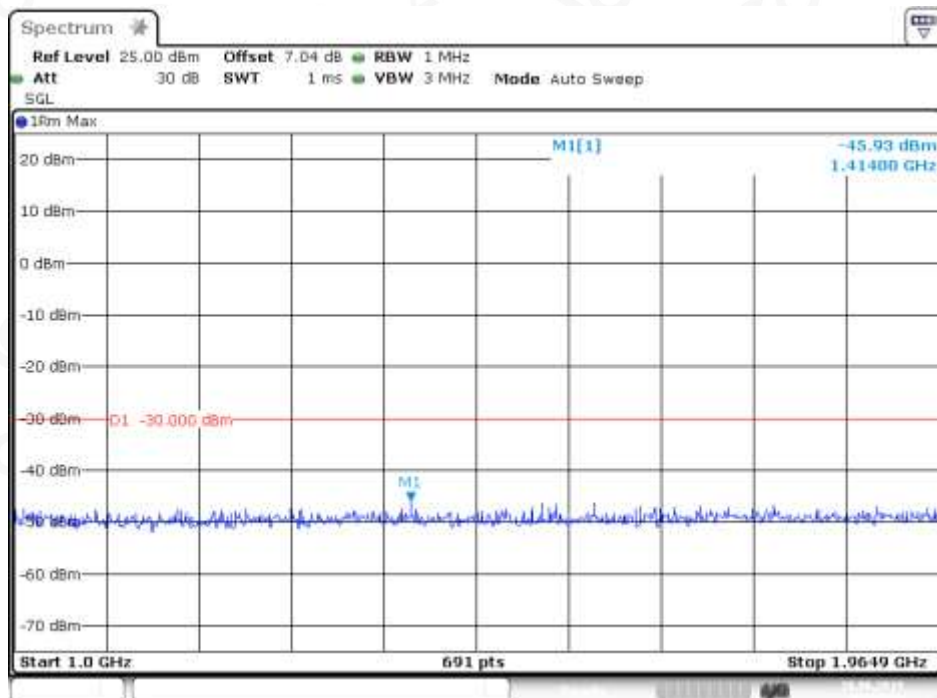
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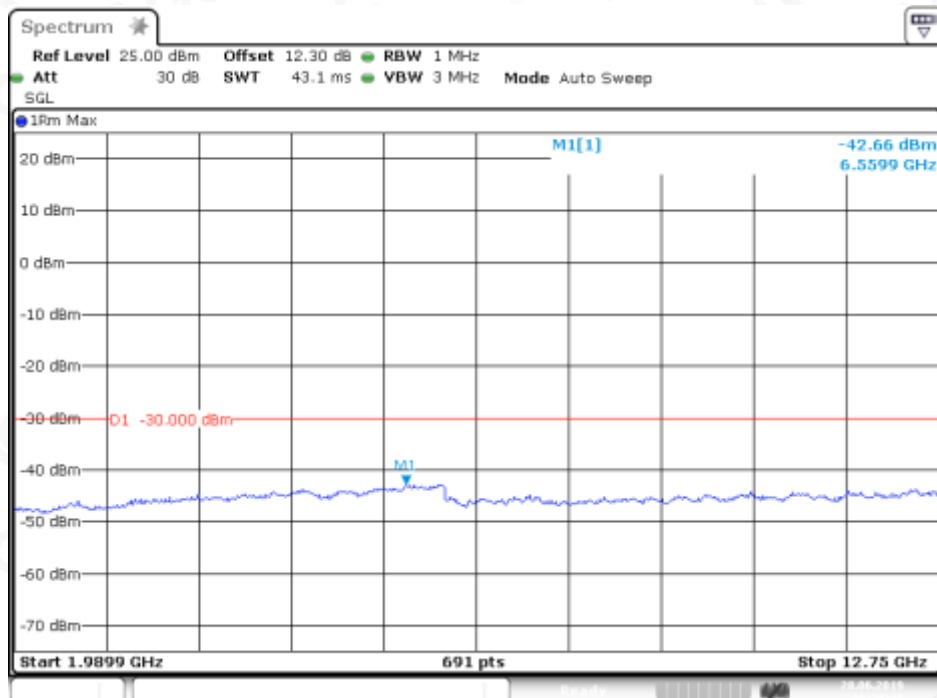
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

1GHZ~1.9101GHZ



Date: 28.JUN.2019 06:38:11

1.9899GHZ~12.75GHZ



Date: 28.JUN.2019 06:38:29



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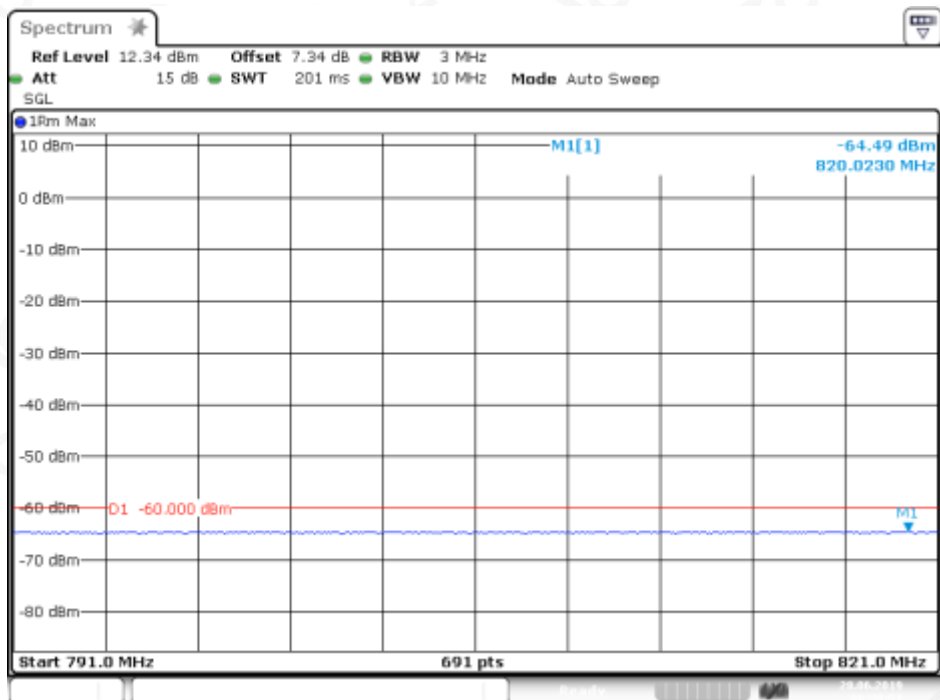
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

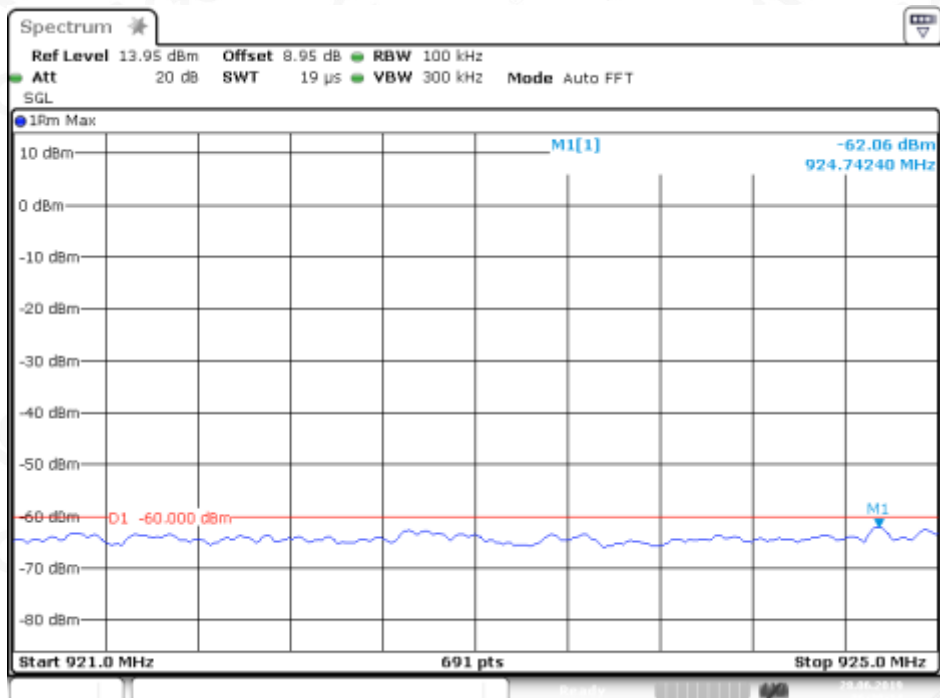
Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 06:38:57

921MHZ~925MHZ



Date: 28.JUN.2019 06:39:15



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

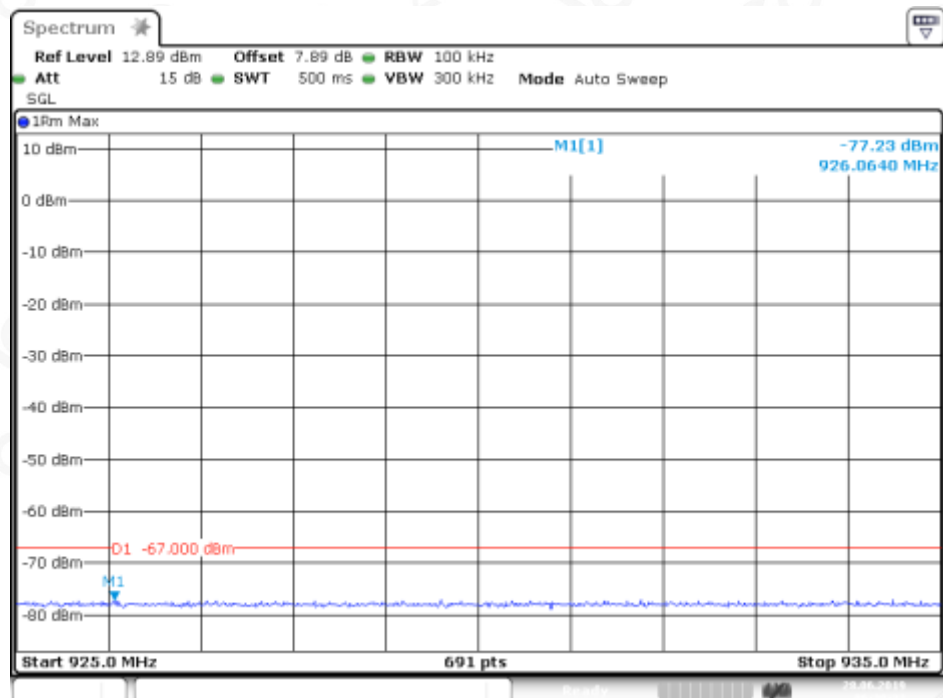
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

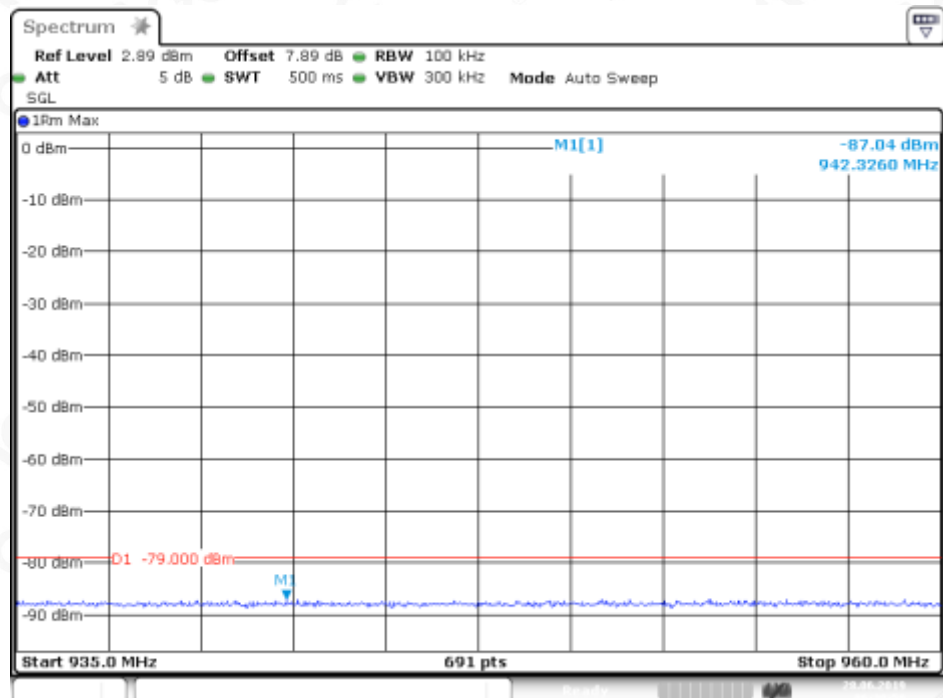
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 06:39:32

935MHZ~960MHZ



Date: 28.JUN.2019 06:39:50



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

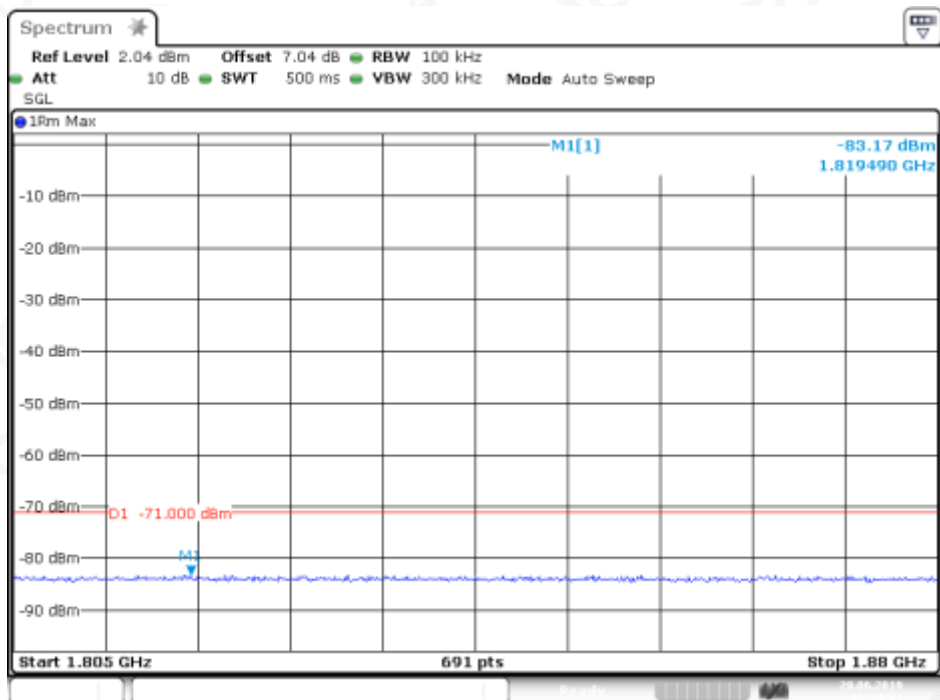
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

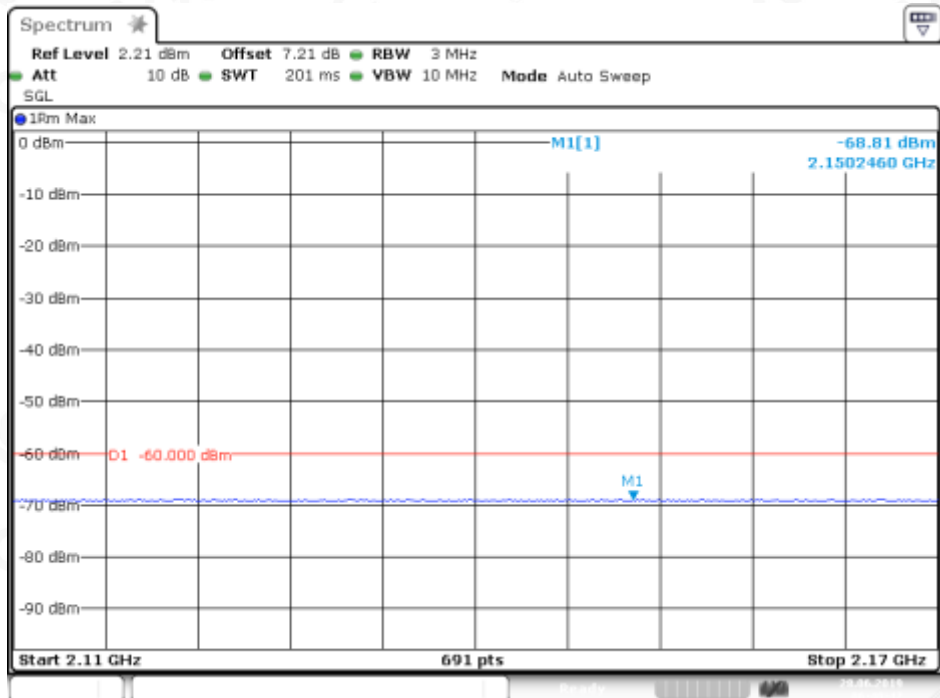
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 06:40:08

2110MHZ~2170MHZ



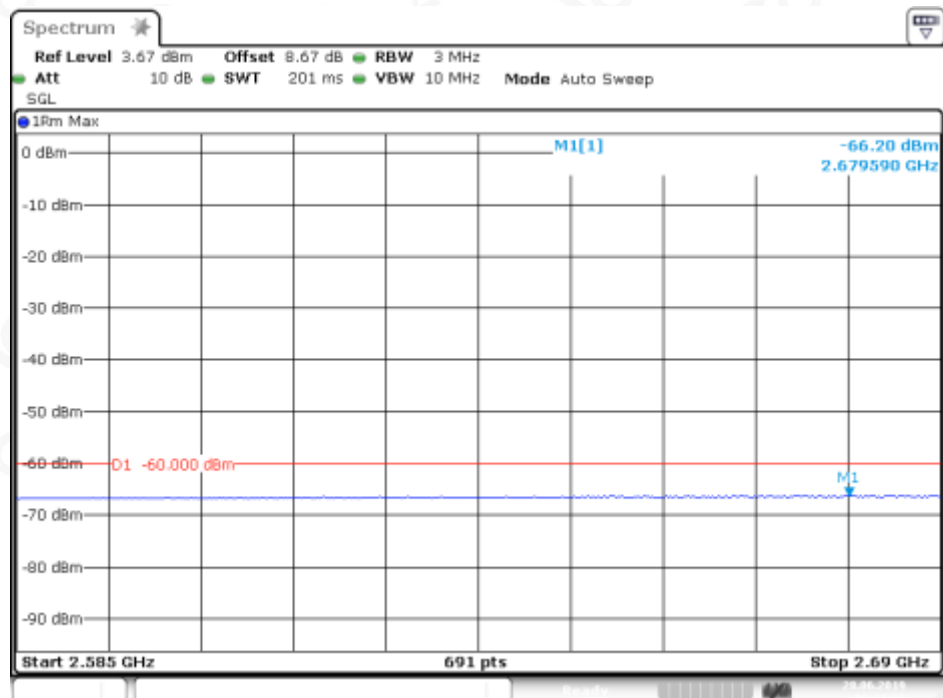
Date: 28.JUN.2019 06:40:47



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

2585MHZ~2690MHZ

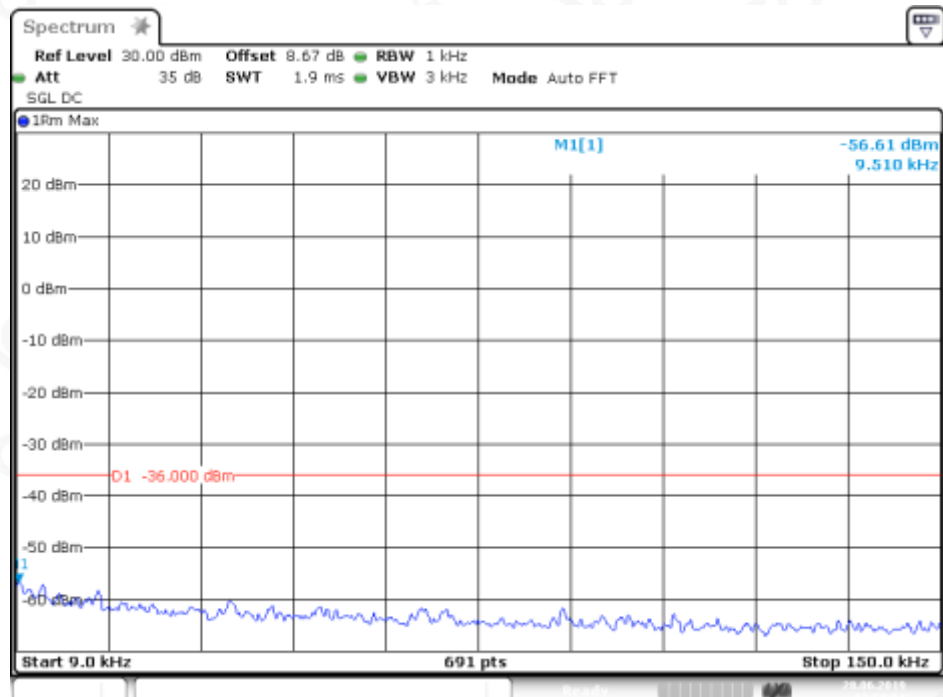


Date: 28.JUN.2019 06:41:26

BAND VIII

Channel LCH

9KHZ~150KHZ



Date: 28.JUN.2019 07:58:52



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

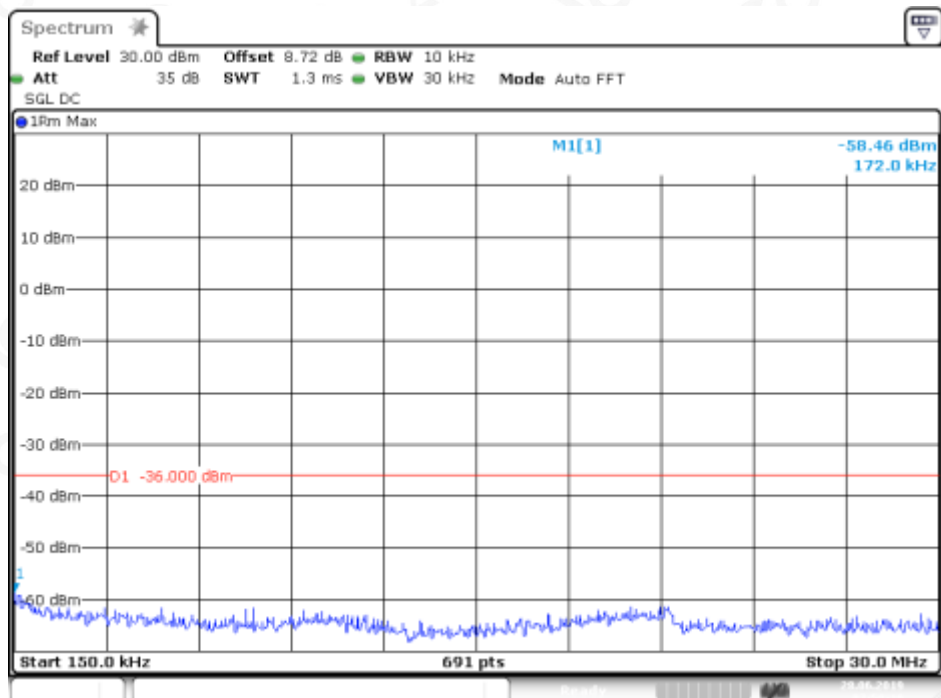
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

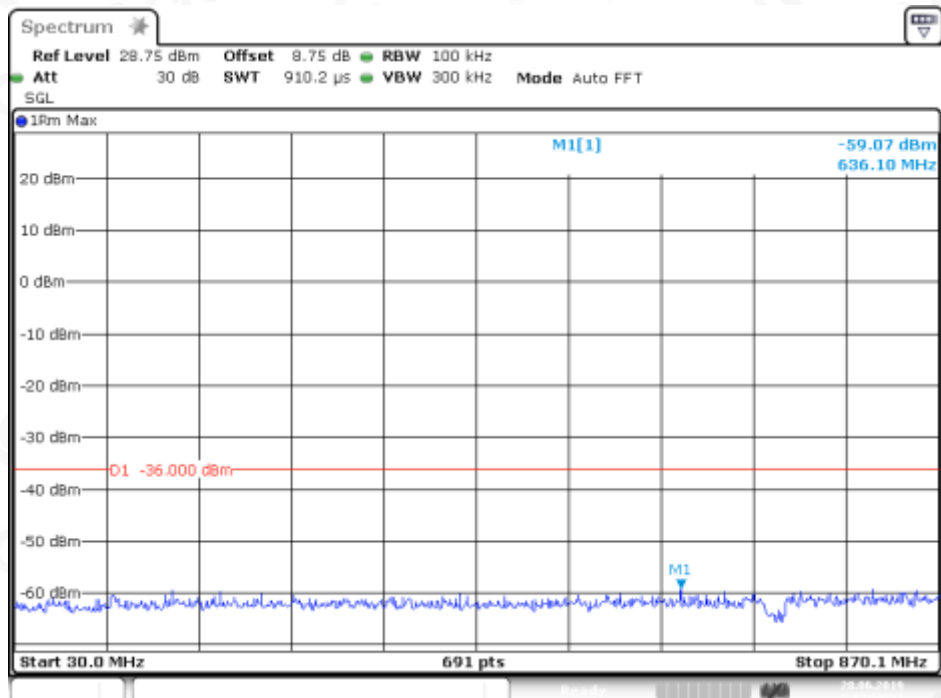
Service Hotline:400 089 2118

150KHZ~30MHZ



Date: 28.JUN.2019 07:59:09

30MHZ~1GHZ



Date: 28.JUN.2019 07:59:27



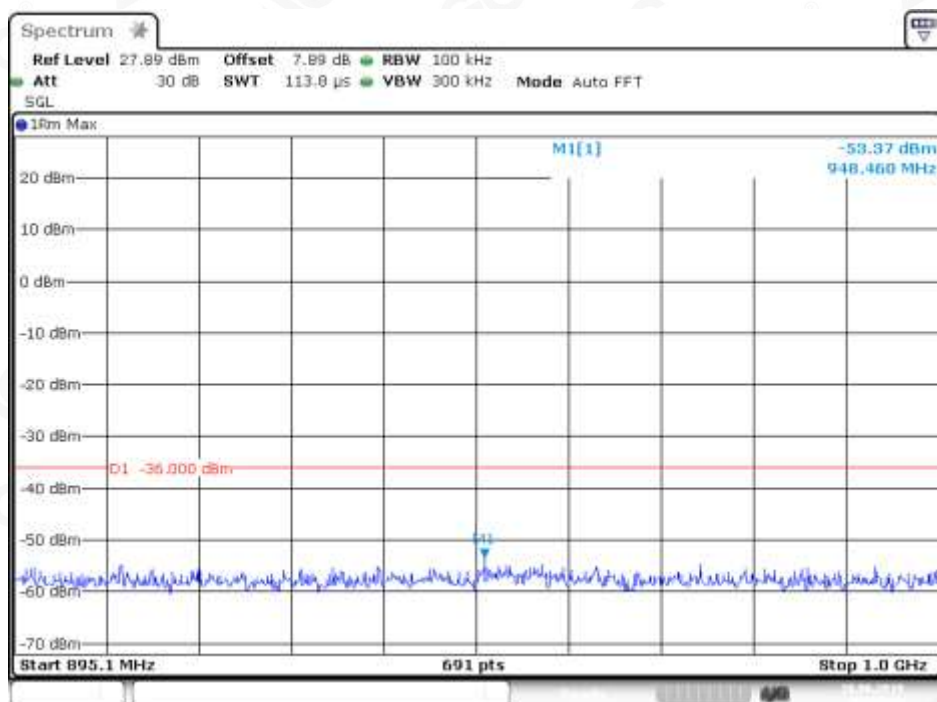
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

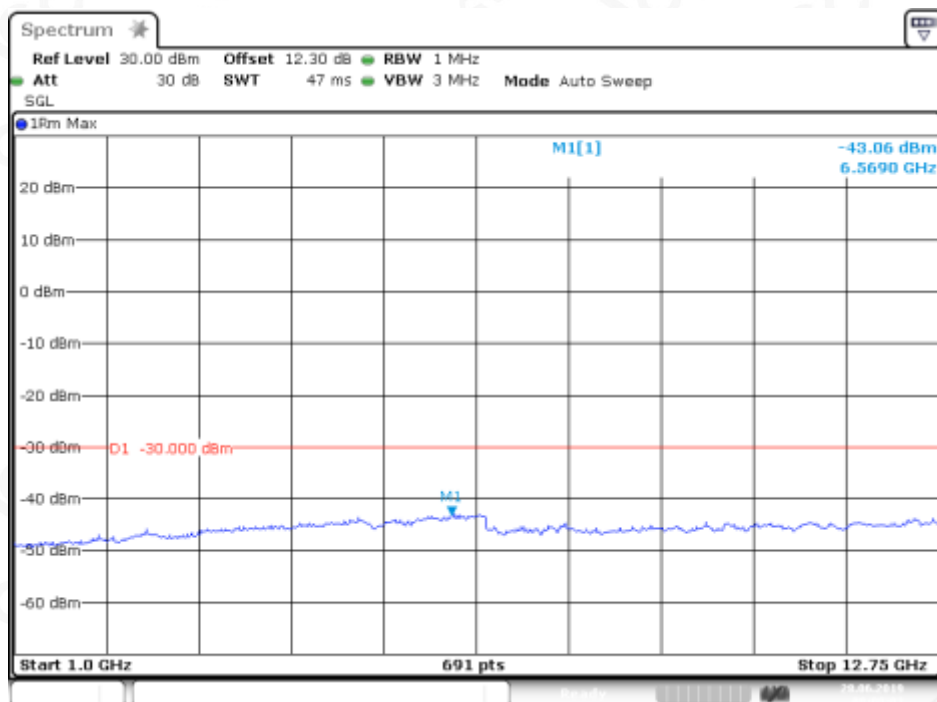
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118



Date: 28.JUN.2019 07:59:45

1GHZ~12.75GHZ



Date: 28.JUN.2019 08:00:02



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

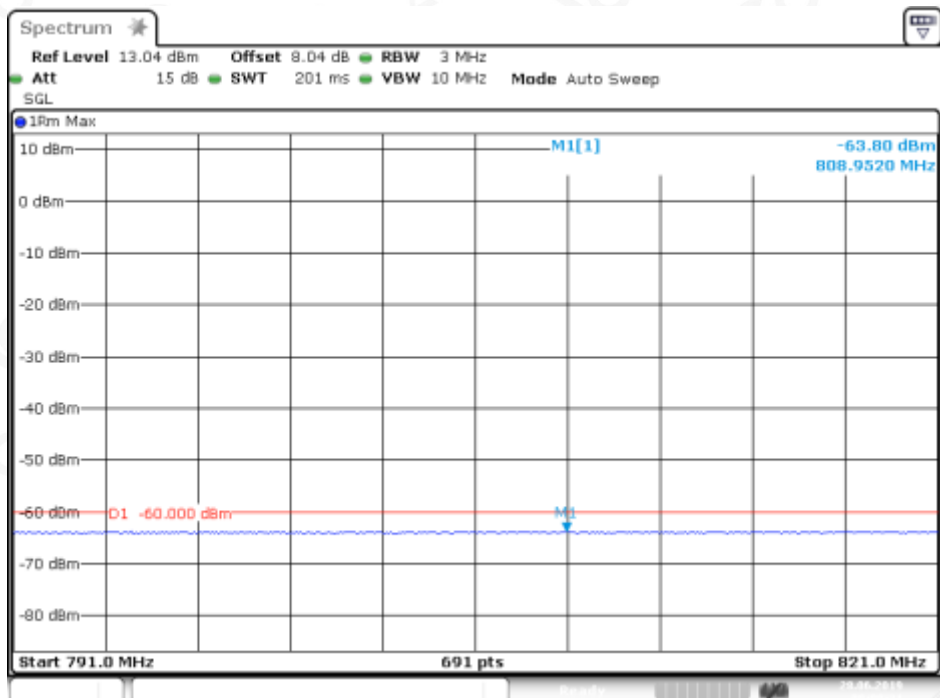
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

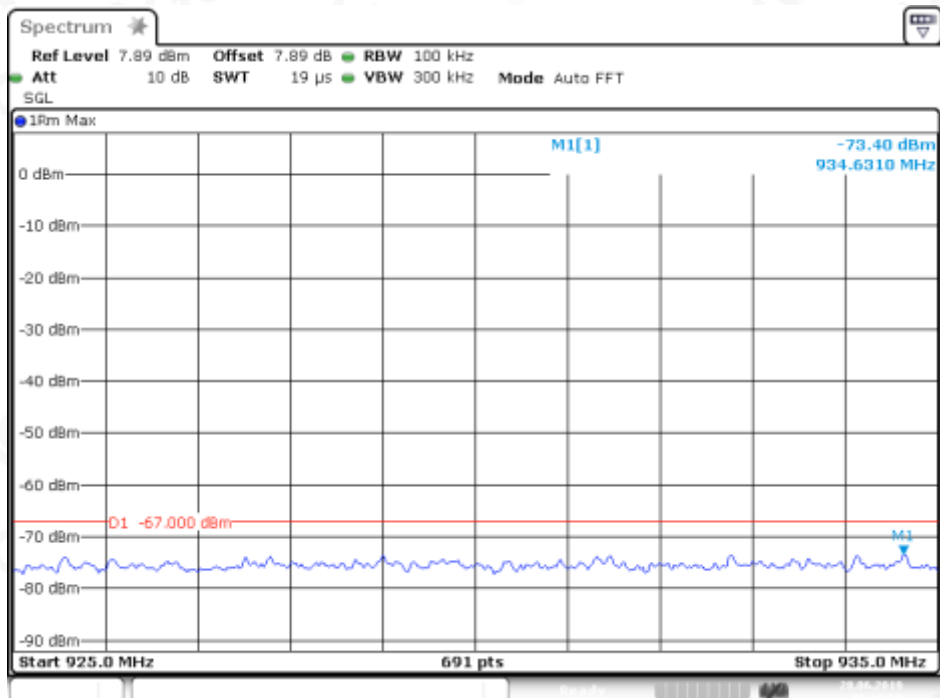
Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 08:00:31

925MHZ~935MHZ



Date: 28.JUN.2019 08:00:59



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

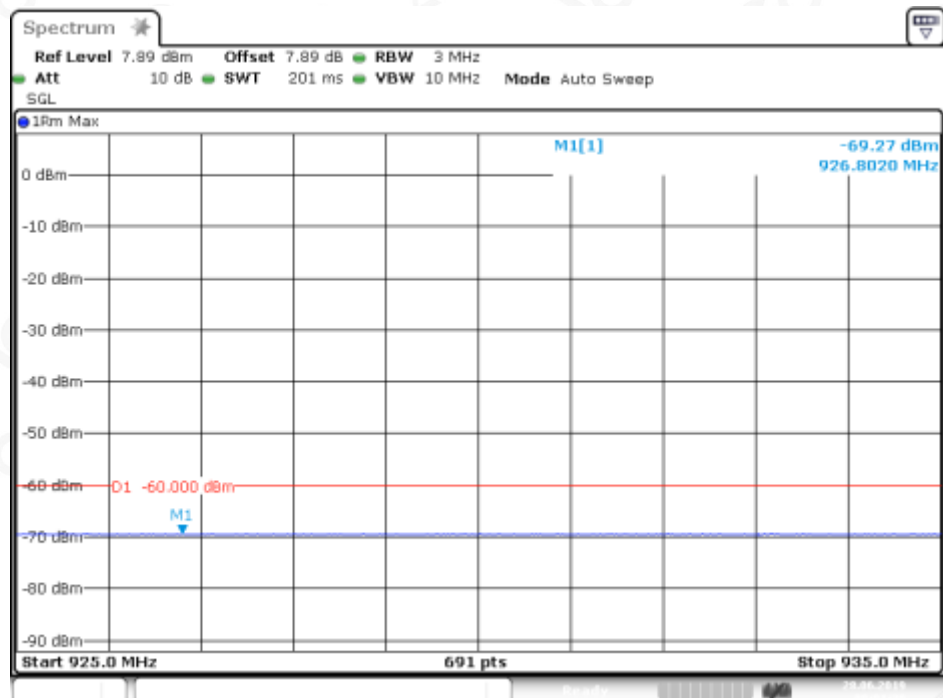
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

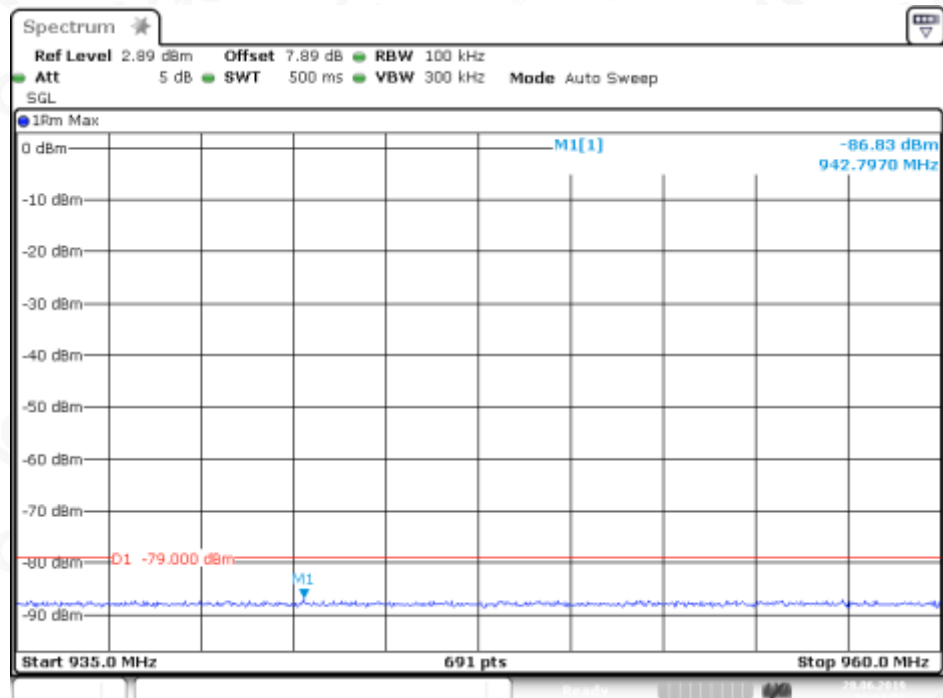
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 08:01:38

935MHZ~960MHZ



Date: 28.JUN.2019 08:01:56



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

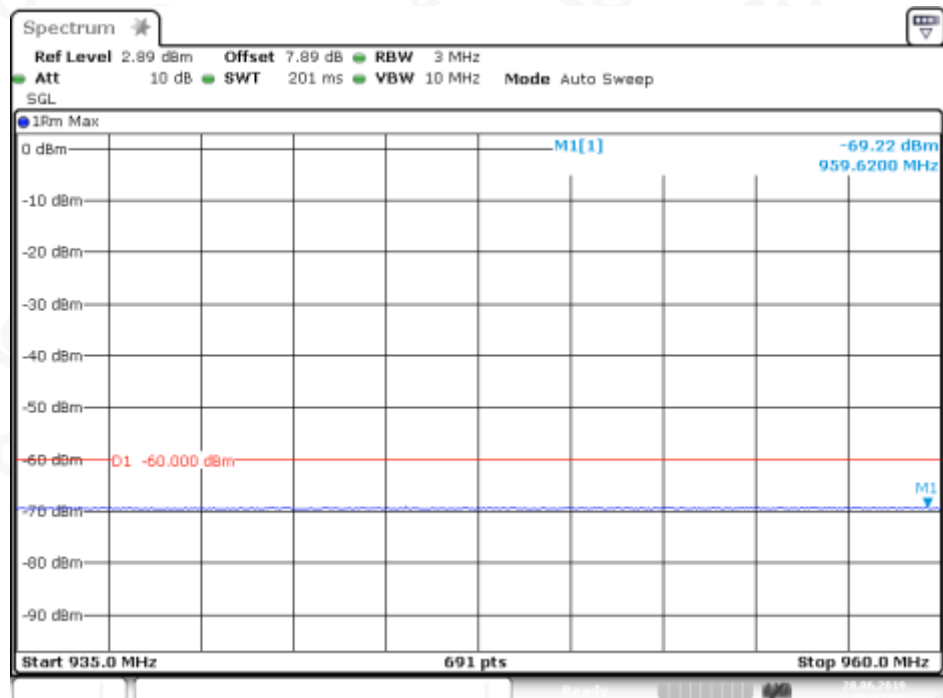
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

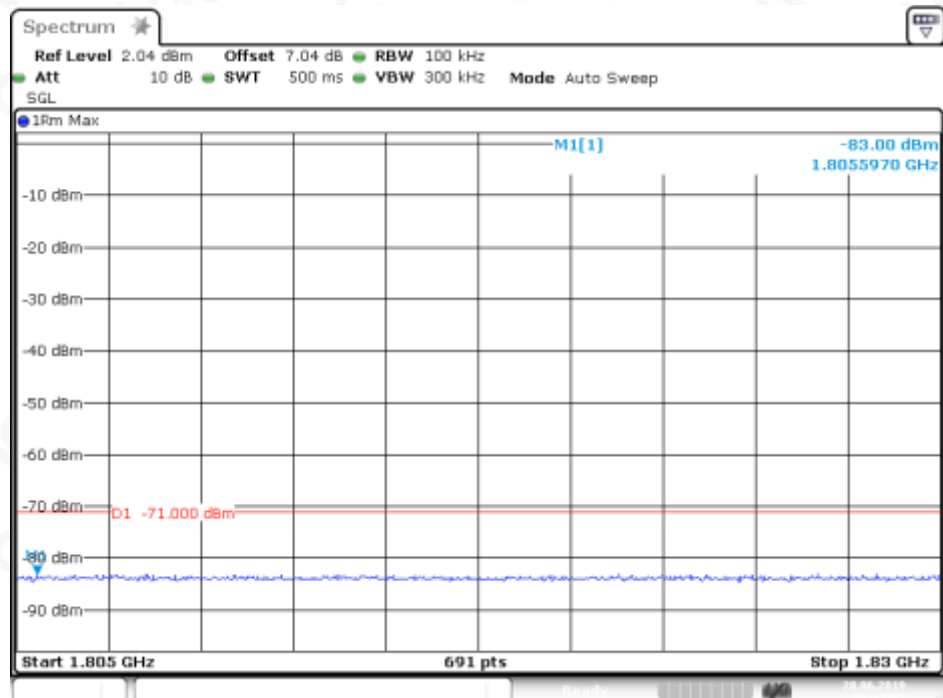
Service Hotline:400 089 2118

935MHZ~960MHZ



Date: 28.JUN.2019 08:02:35

1805MHZ~1830MHZ



Date: 28.JUN.2019 08:02:53



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

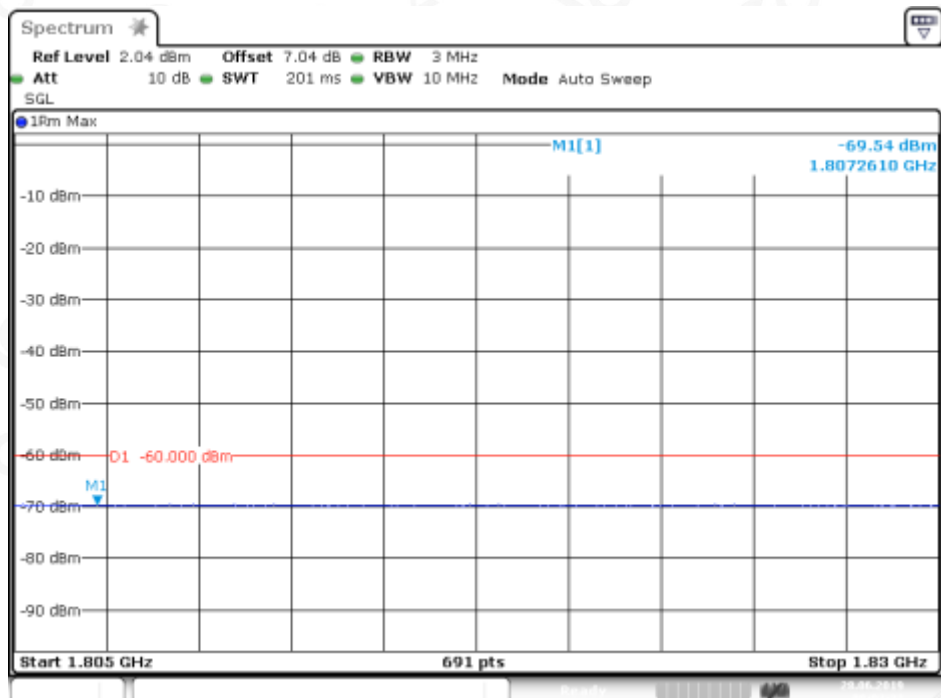
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

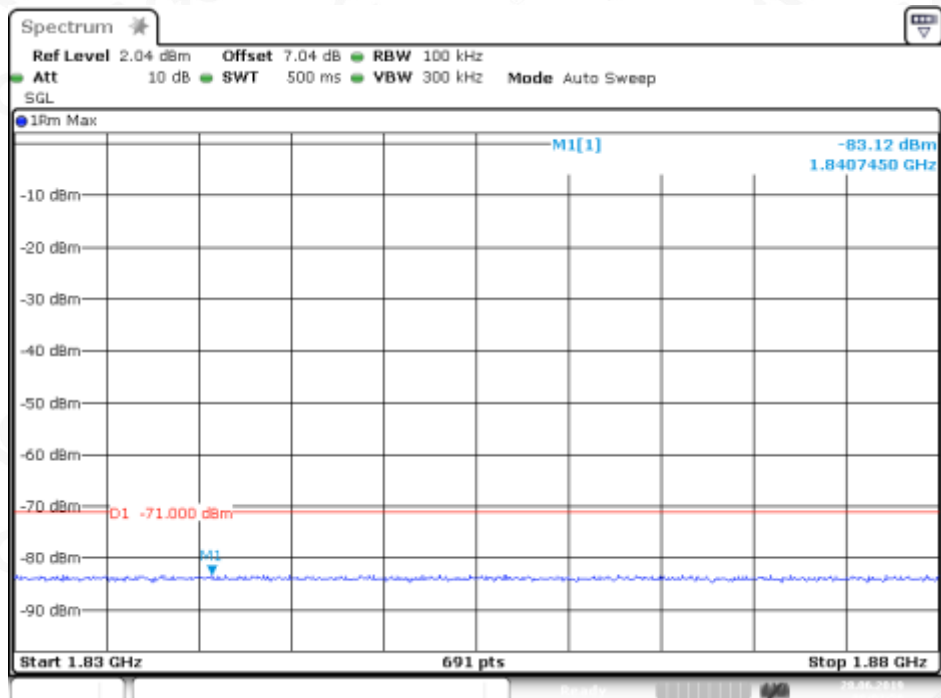
Service Hotline:400 089 2118

1805MHZ~1830MHZ



Date: 28.JUN.2019 08:03:32

1830MHZ~1880MHZ



Date: 28.JUN.2019 08:03:50



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

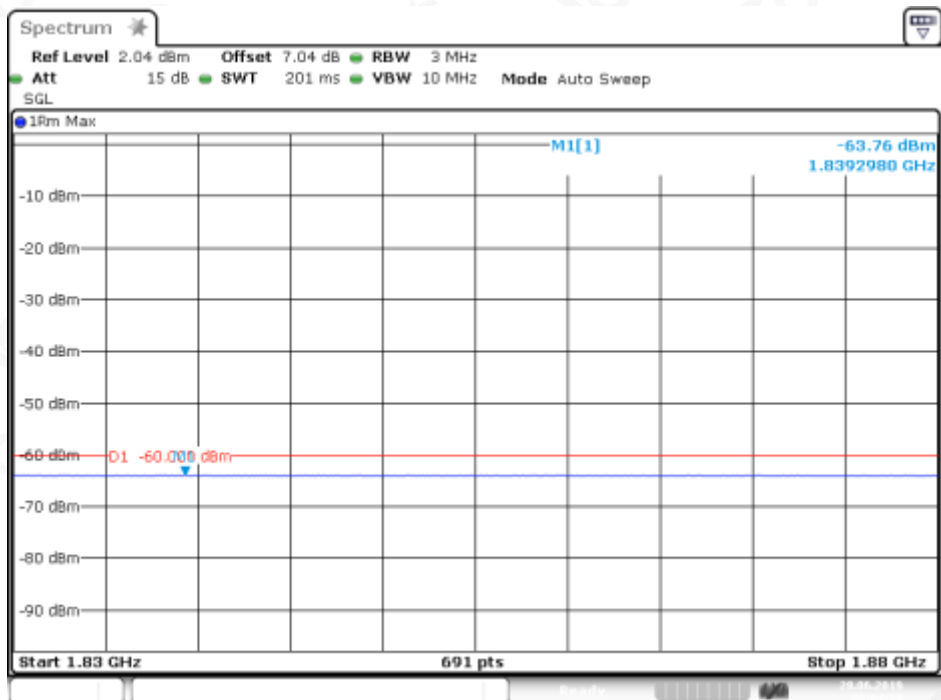
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

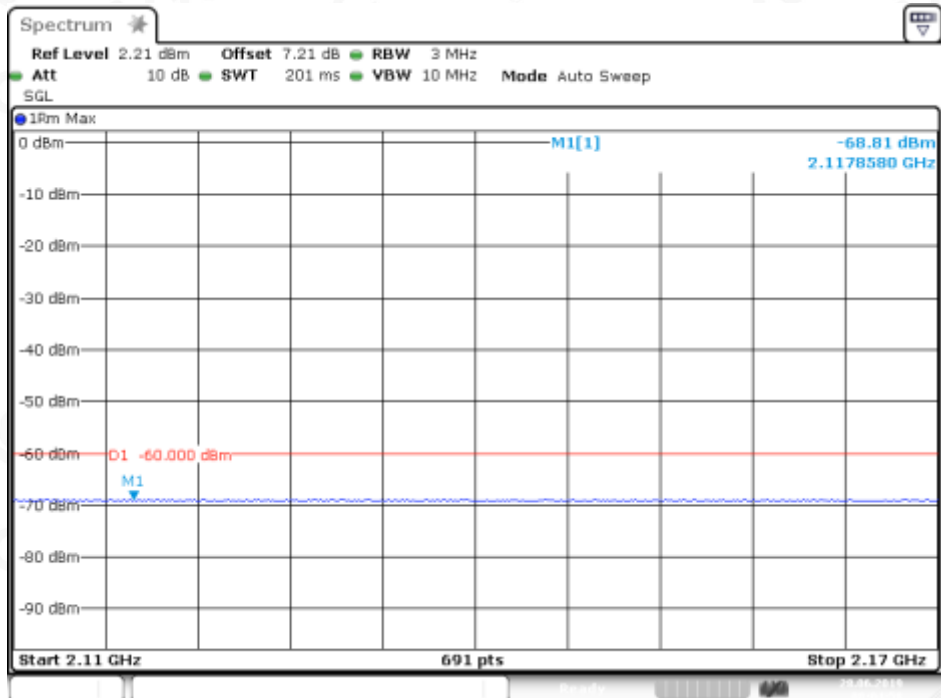
Service Hotline:400 089 2118

1830MHZ~1880MHZ



Date: 28.JUN.2019 08:04:18

2110MHZ~2170MHZ



Date: 28.JUN.2019 08:04:58



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

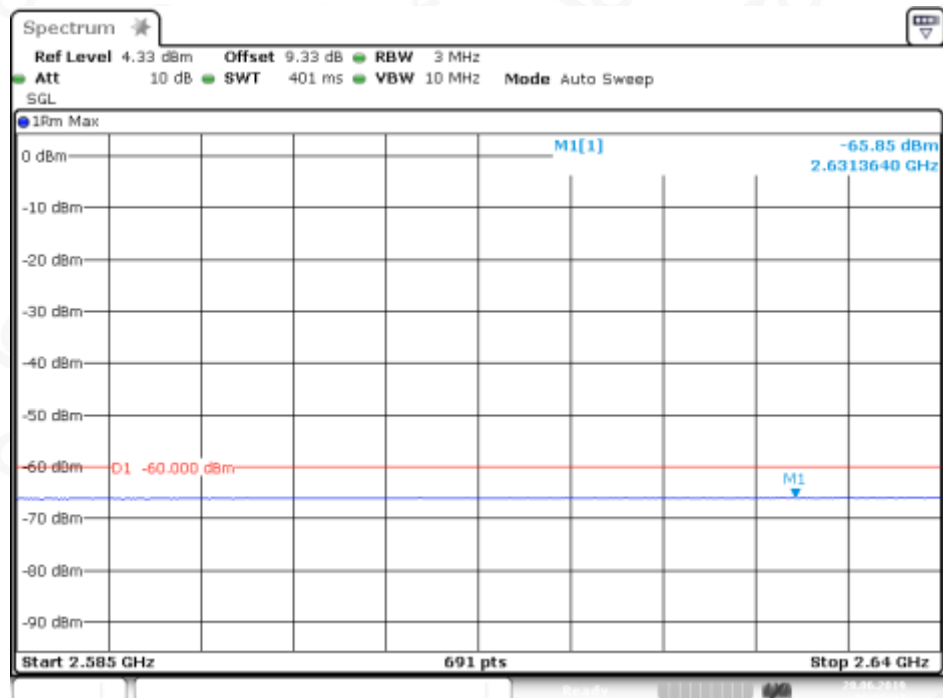
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

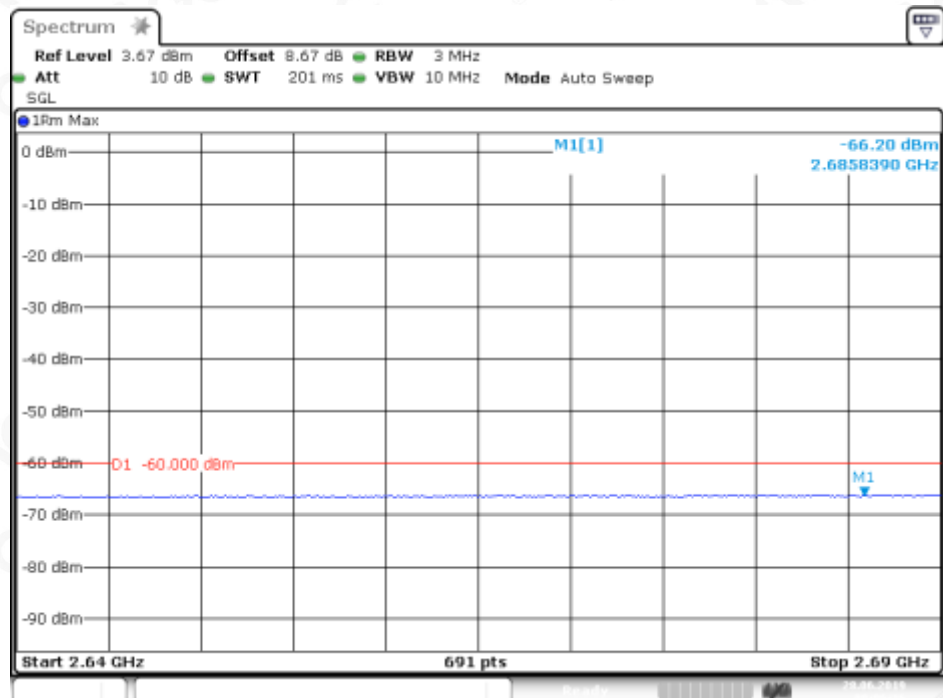
Service Hotline:400 089 2118

2585MHZ~2640MHZ



Date: 28.JUN.2019 08:05:37

2640MHZ~2690MHZ



Date: 28.JUN.2019 08:06:16



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

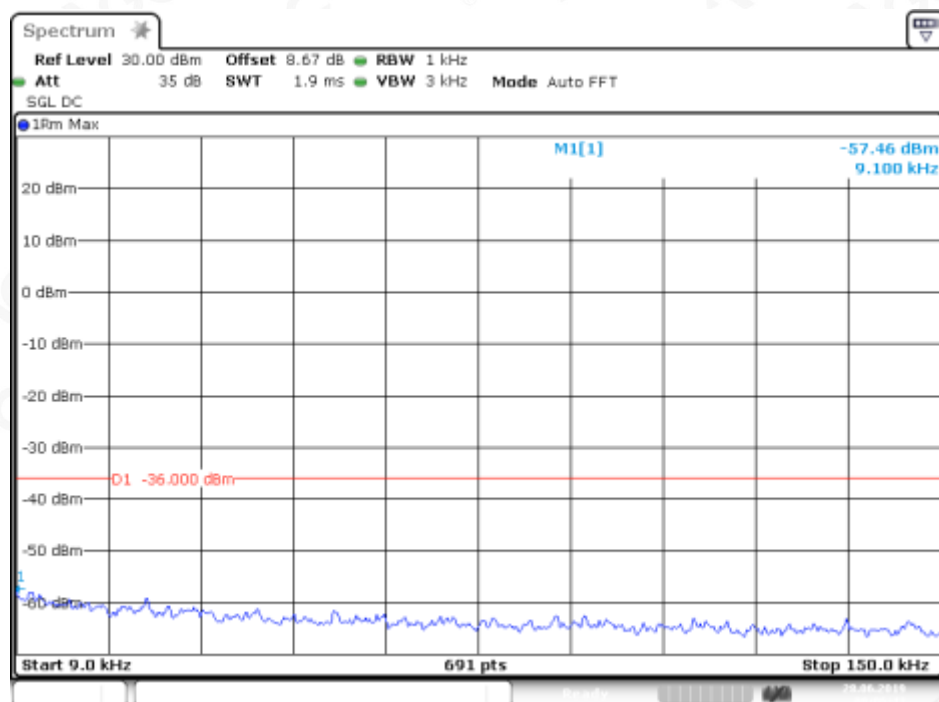
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

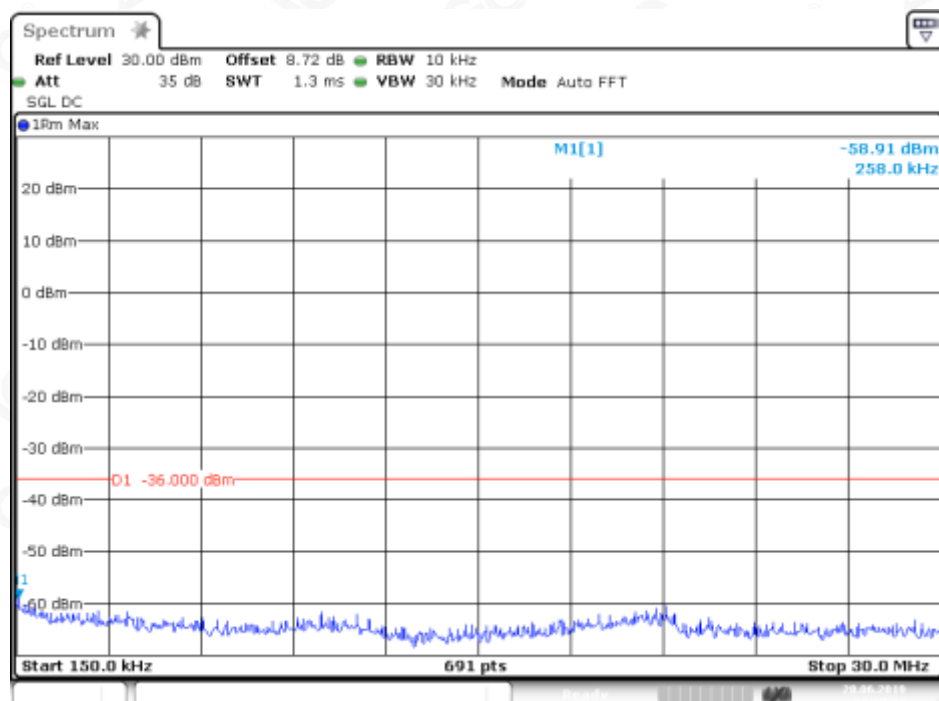
Service Hotline:400 089 2118

Channel MCH 9KHZ~150KHZ



Date: 28.JUN.2019 08:06:42

150KHZ~30MHZ



Date: 28.JUN.2019 08:07:00



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

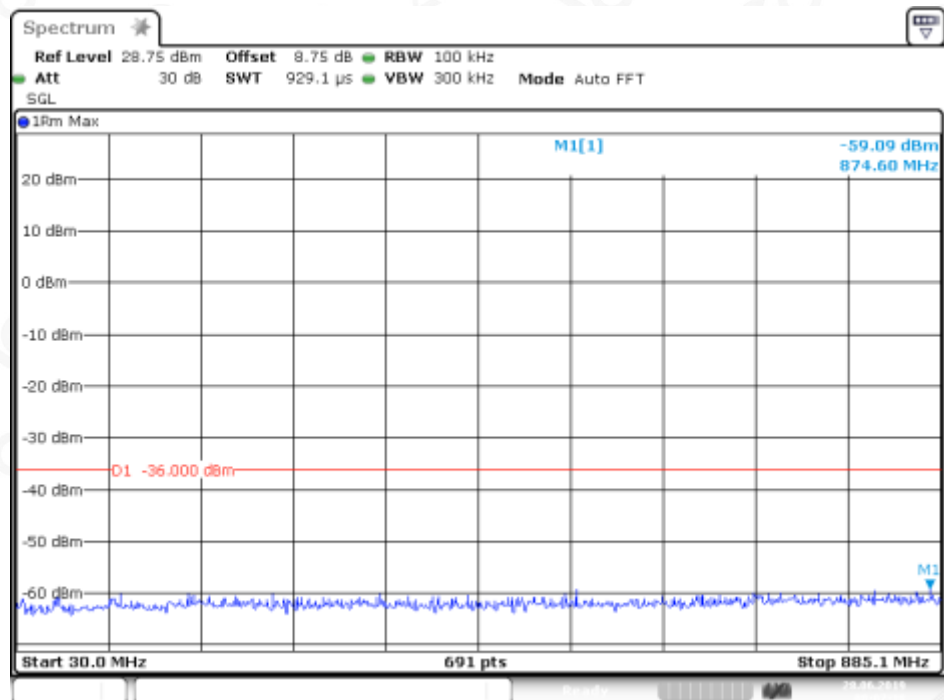
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

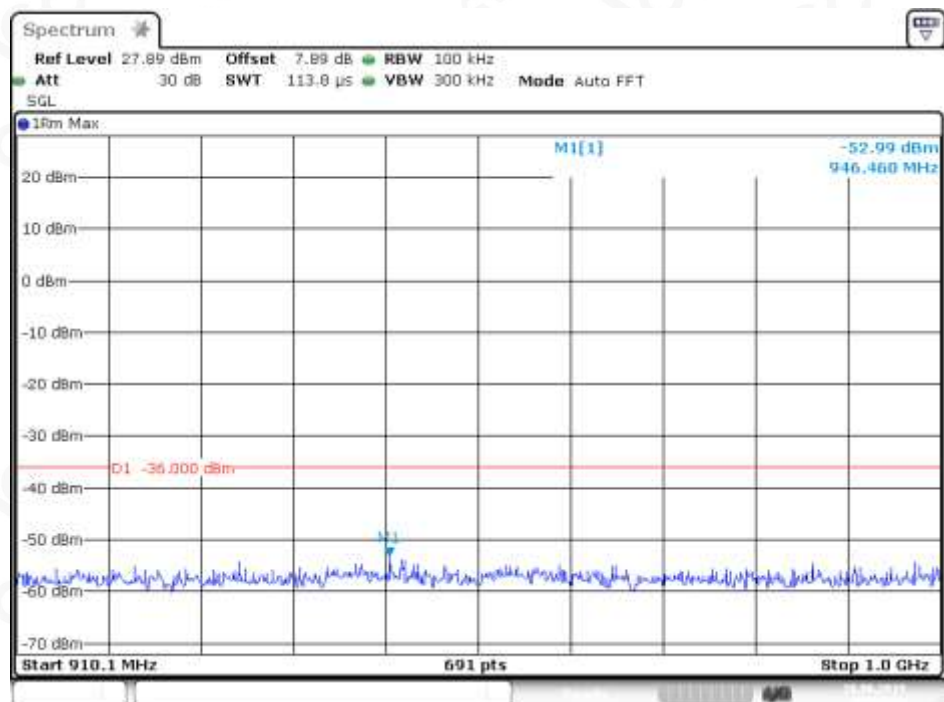
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

30MHZ~1GHZ



Date: 28.JUN.2019 08:07:18



Date: 28.JUN.2019 08:07:35



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

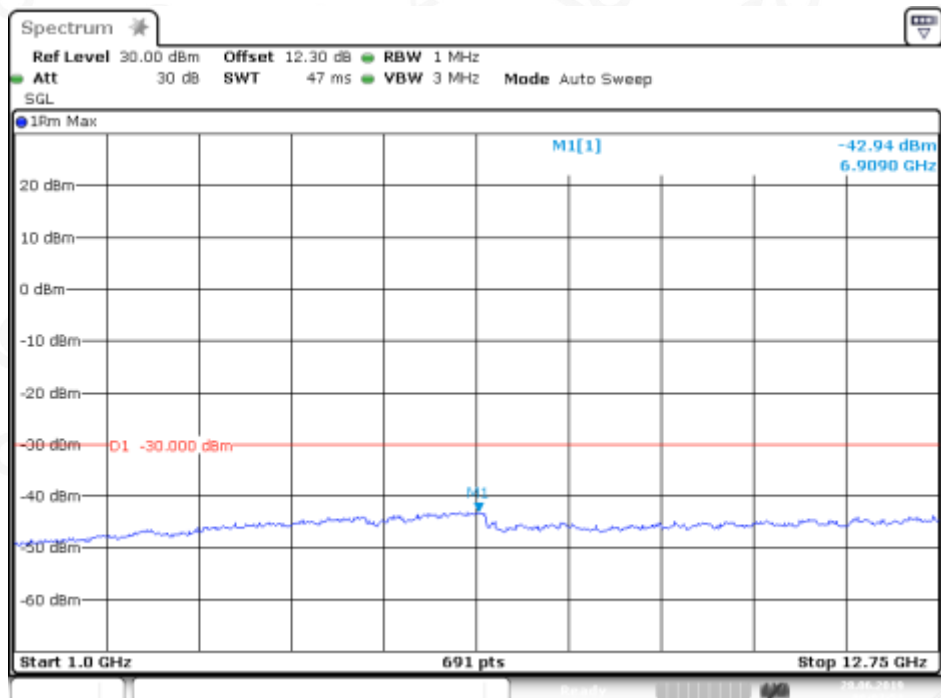
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

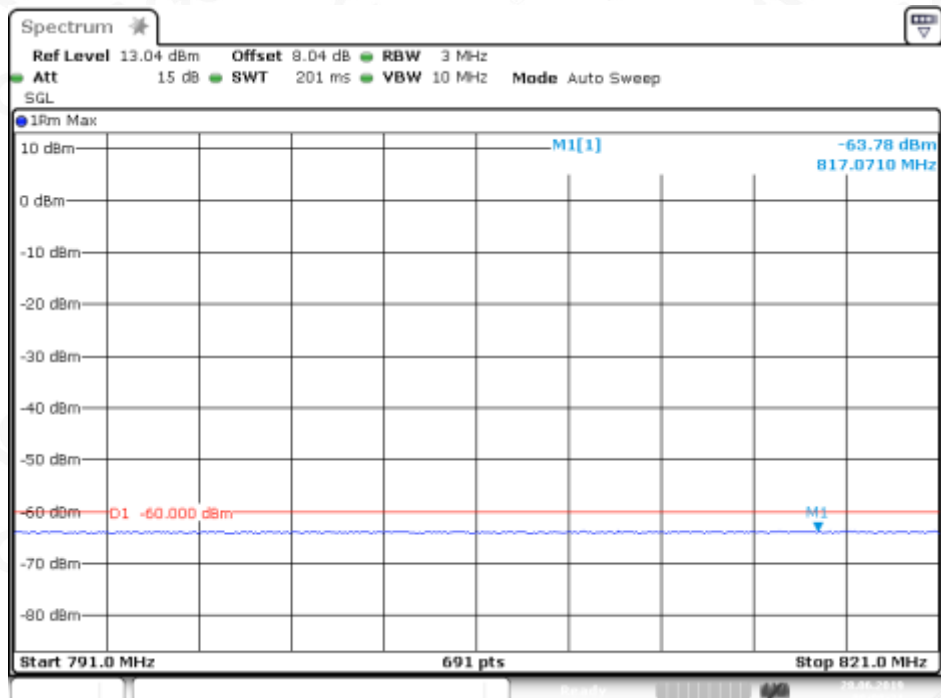
Service Hotline:400 089 2118

1GHZ~12.75GHZ



Date: 28.JUN.2019 08:07:53

791MHZ~821MHZ



Date: 28.JUN.2019 08:08:21



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

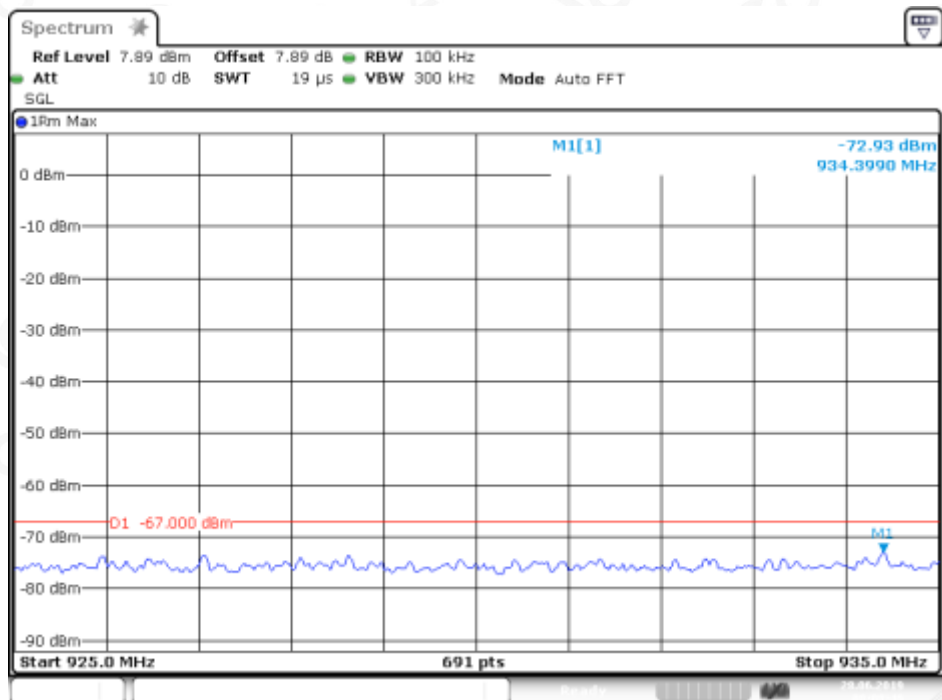
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

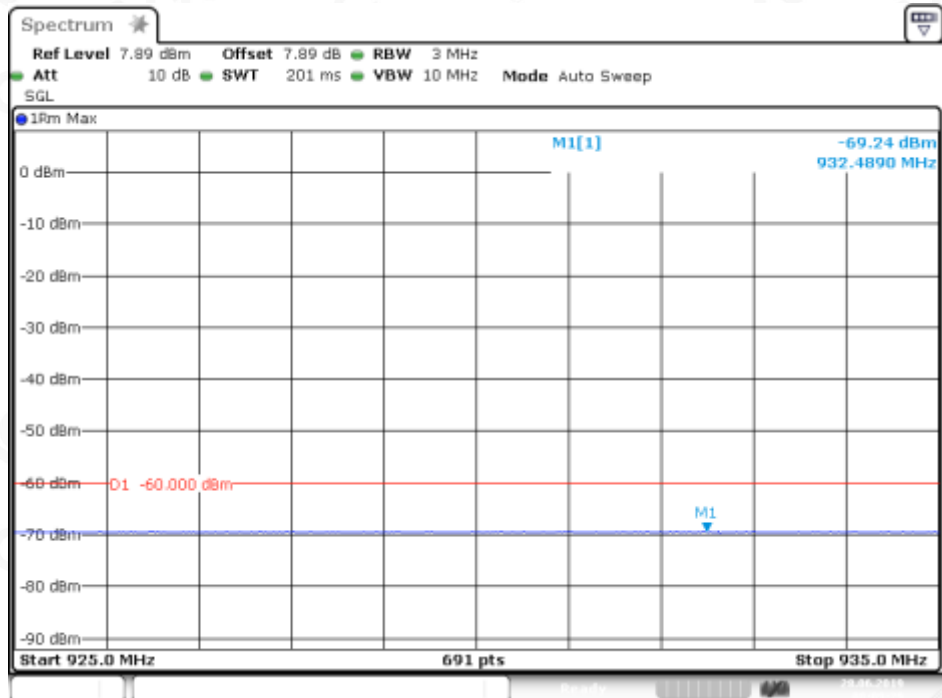
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 08:08:50

925MHZ~935MHZ



Date: 28.JUN.2019 08:09:29



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

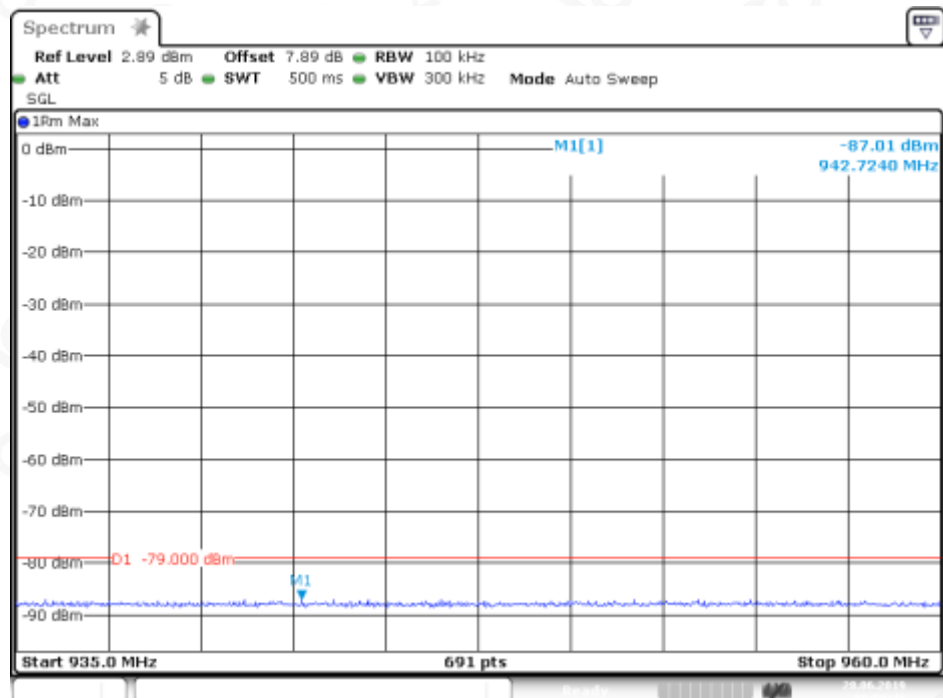
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

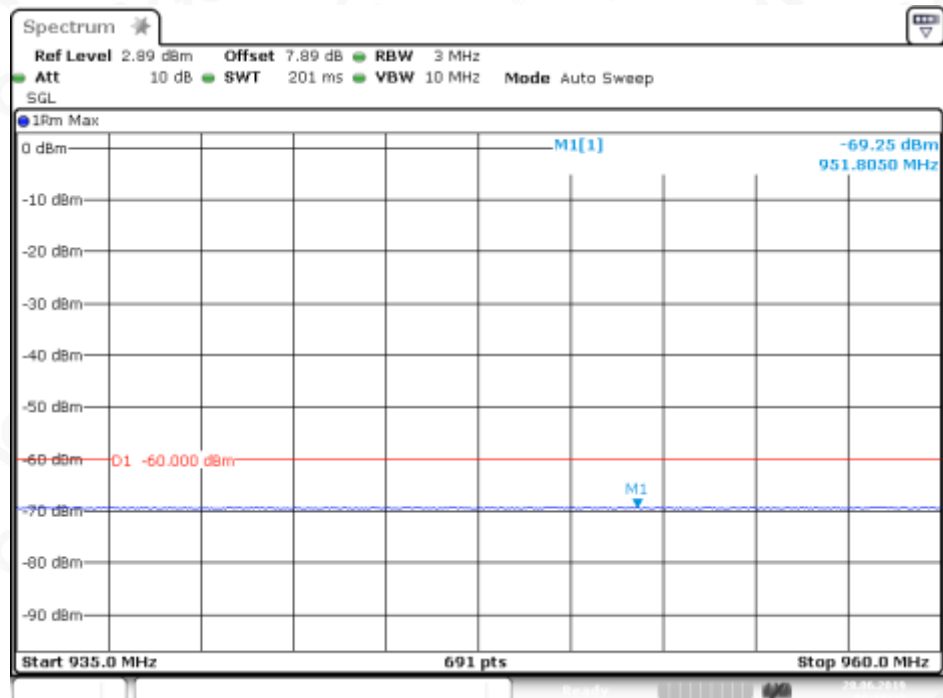
Service Hotline:400 089 2118

935MHZ~960MHZ



Date: 28.JUN.2019 08:09:46

935MHZ~960MHZ



Date: 28.JUN.2019 08:10:26



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

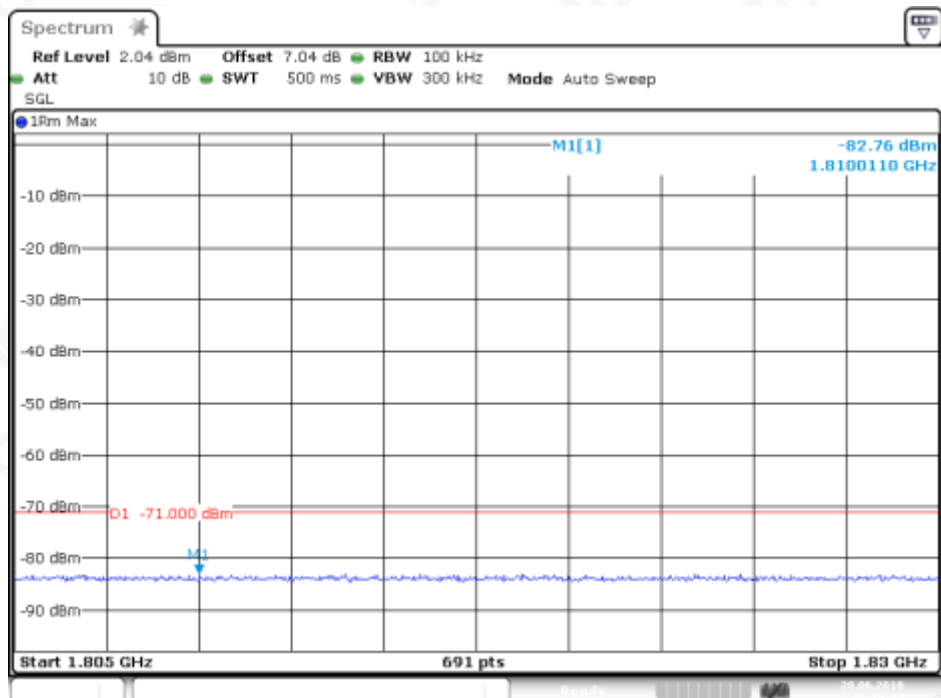
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

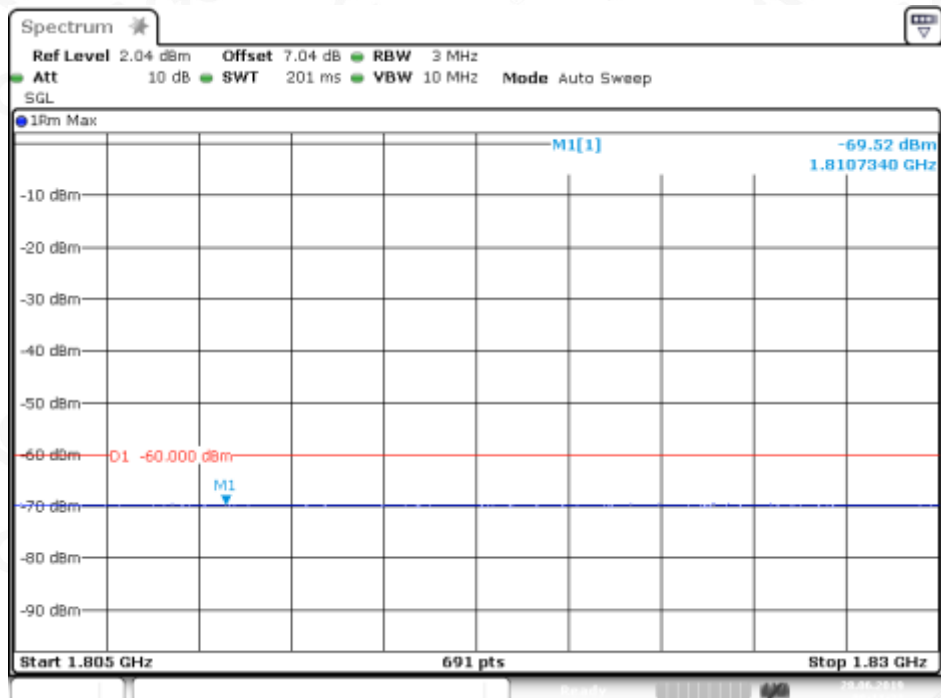
Service Hotline:400 089 2118

1805MHZ~1830MHZ



Date: 28.JUN.2019 08:10:43

1805MHZ~1830MHZ



Date: 28.JUN.2019 08:11:23



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

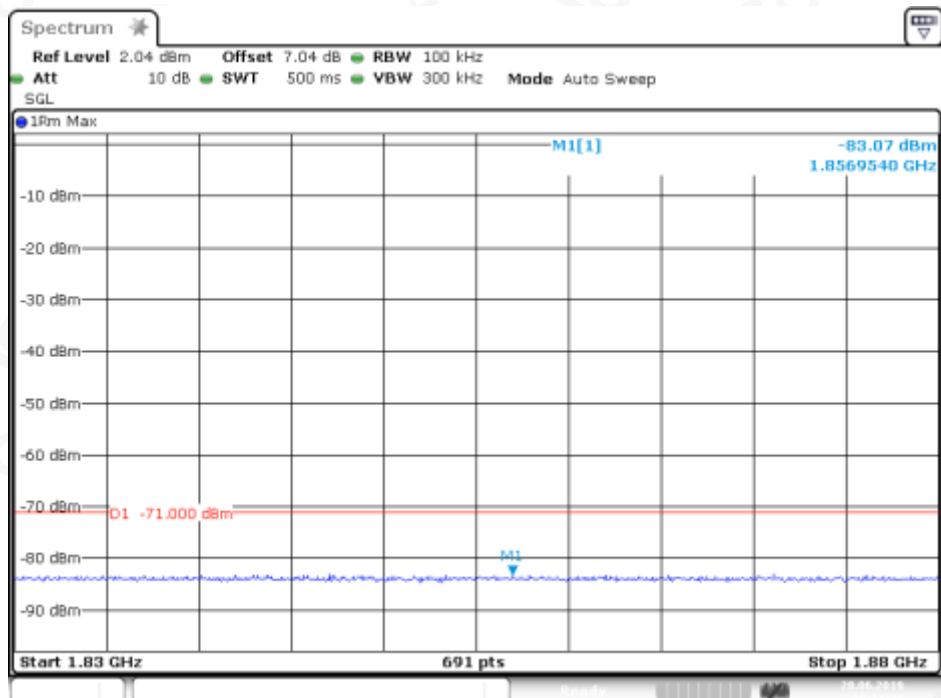
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

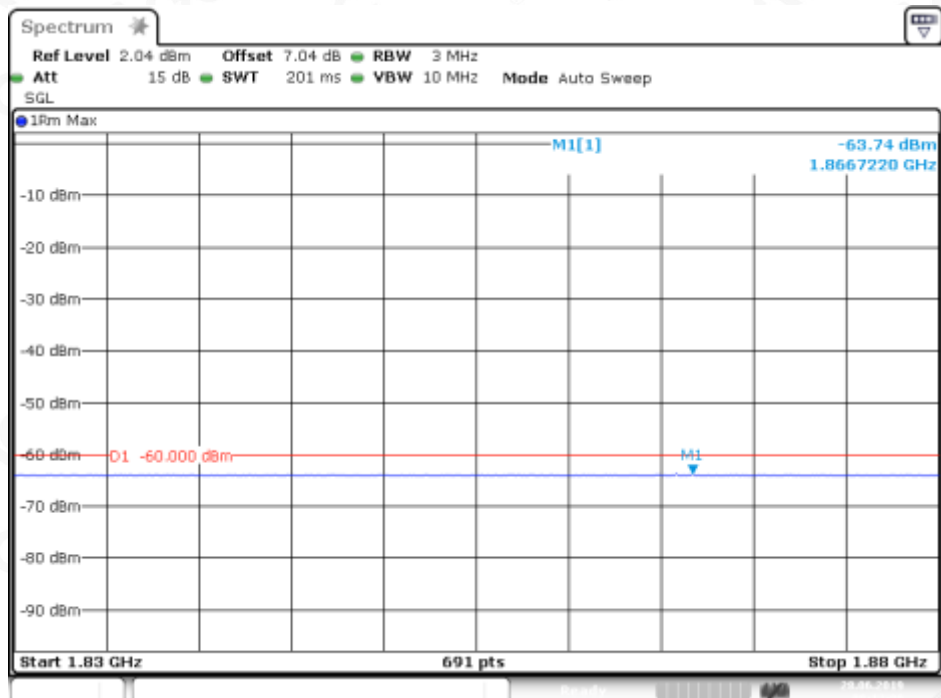
Service Hotline:400 089 2118

1830MHZ~1880MHZ



Date: 28.JUN.2019 08:11:40

1830MHZ~1880MHZ



Date: 28.JUN.2019 08:12:09

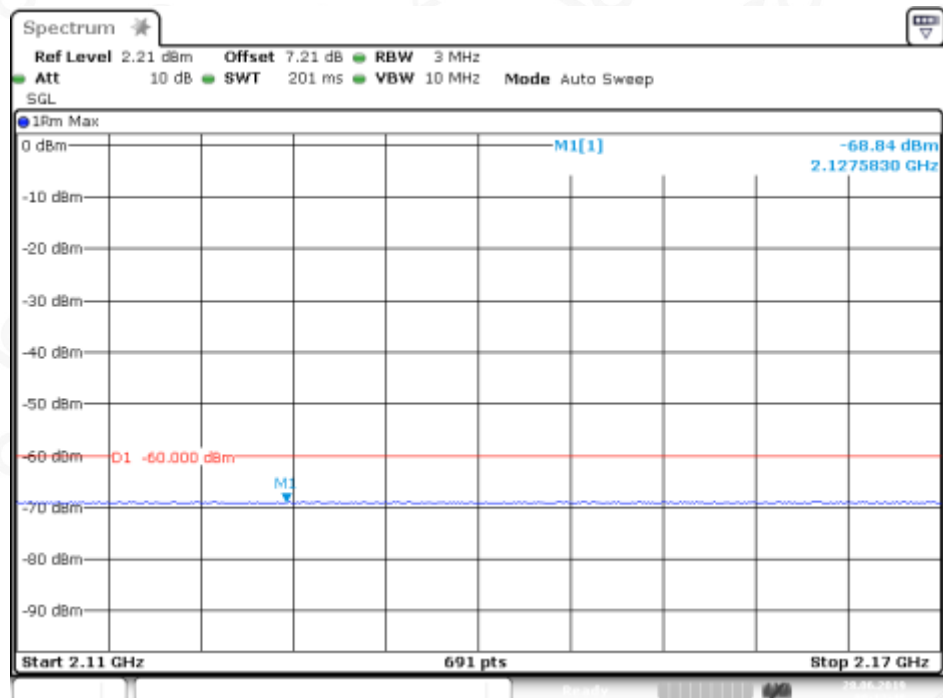


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

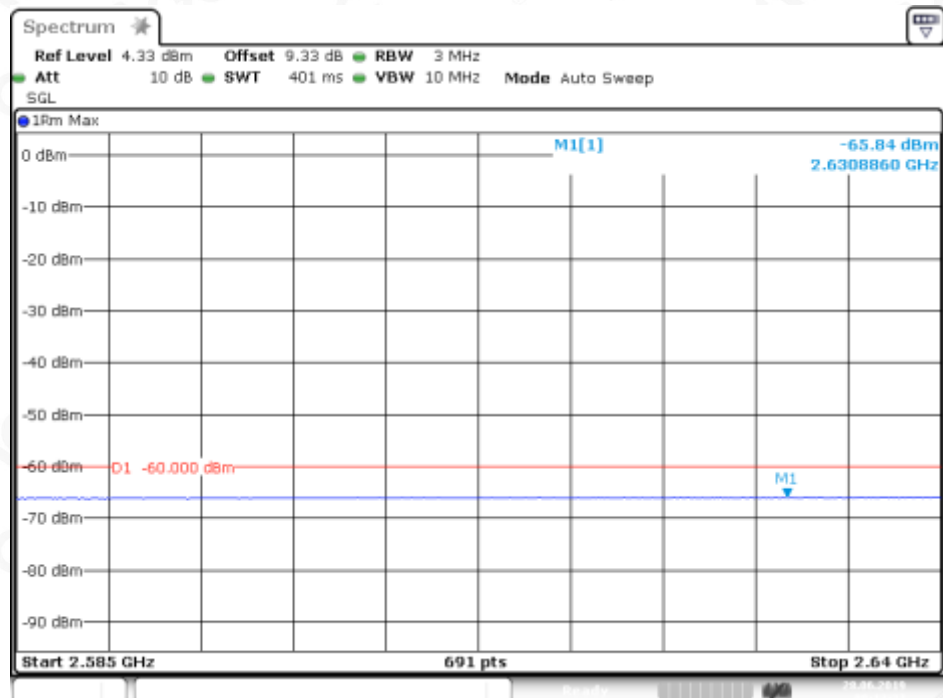
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

2110MHZ~2170MHZ



Date: 28.JUN.2019 08:12:48

2585MHZ~2640MHZ



Date: 28.JUN.2019 08:13:27



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

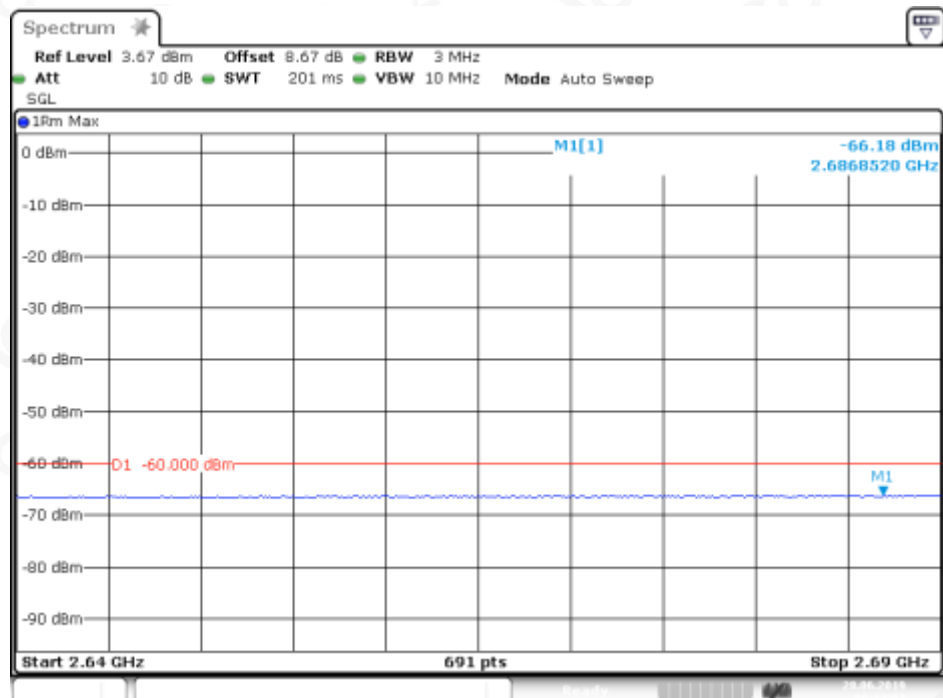
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

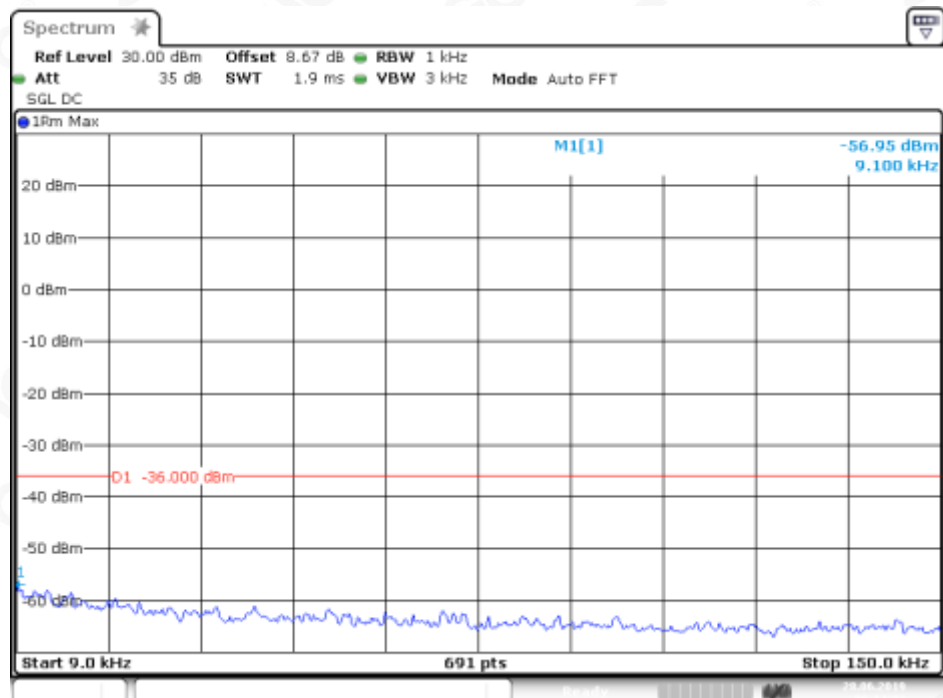
2640MHZ~2690MHZ



Date: 28.JUN.2019 08:14:06

Channel HCH

9KHZ~150KHZ



Date: 28.JUN.2019 08:14:33



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

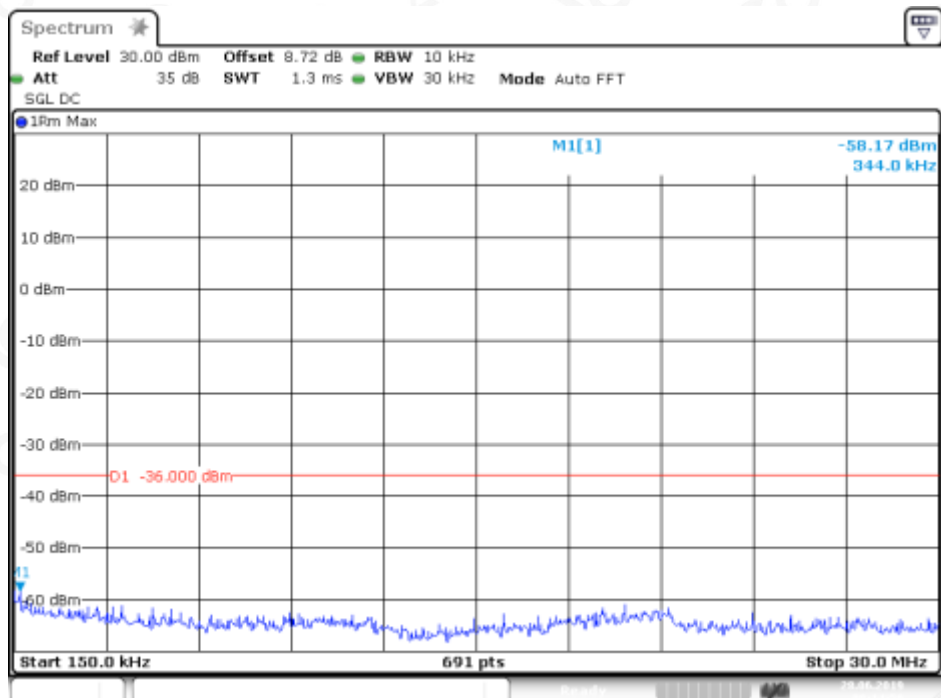
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

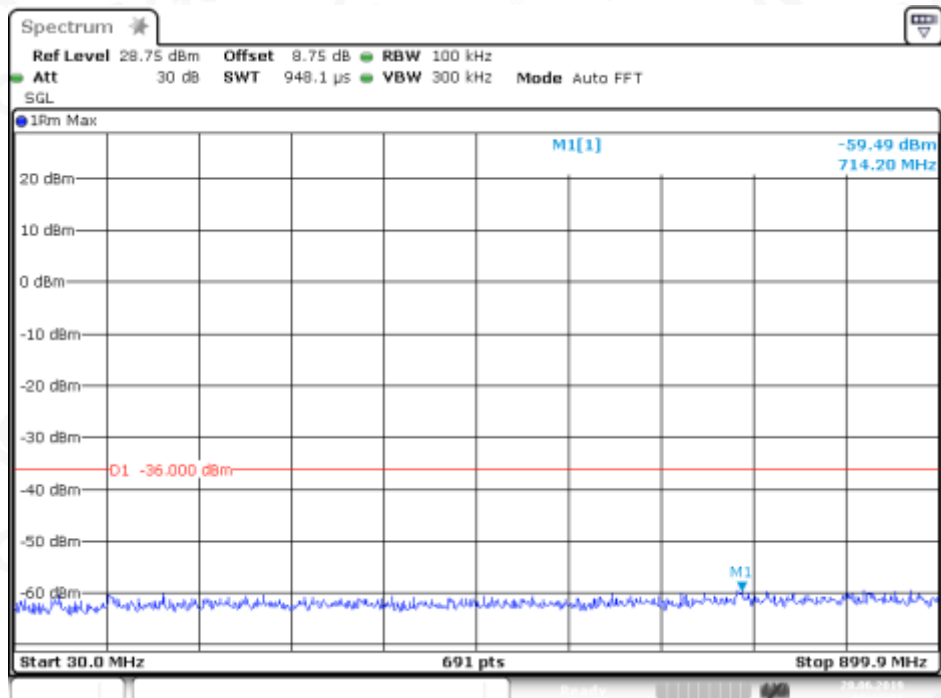
Service Hotline:400 089 2118

150KHZ~30MHZ



Date: 28.JUN.2019 08:14:50

30MHZ~1GHZ



Date: 28.JUN.2019 08:15:08



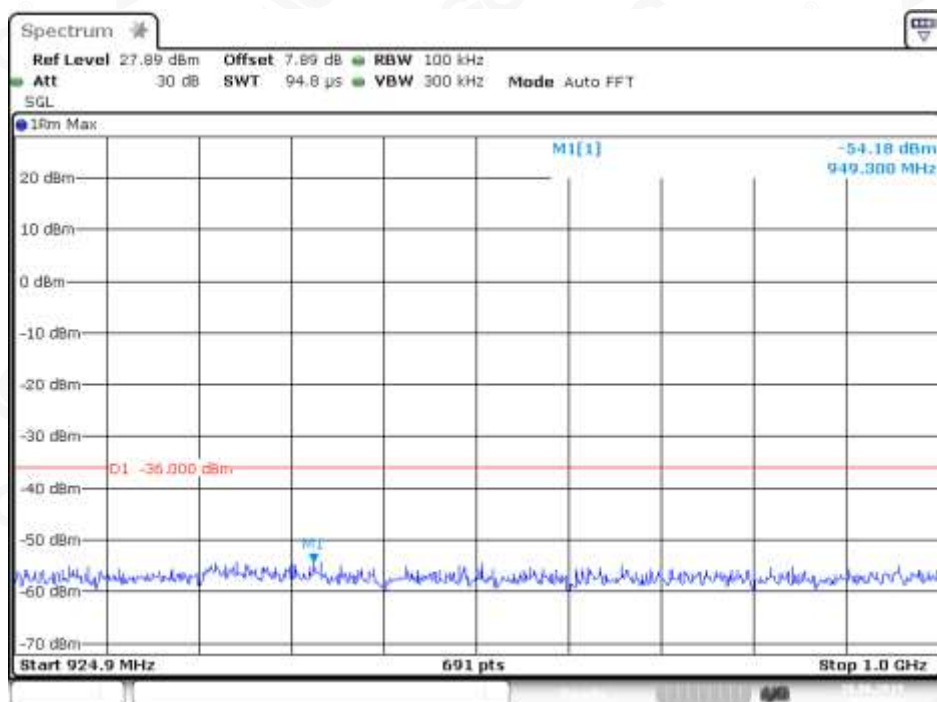
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

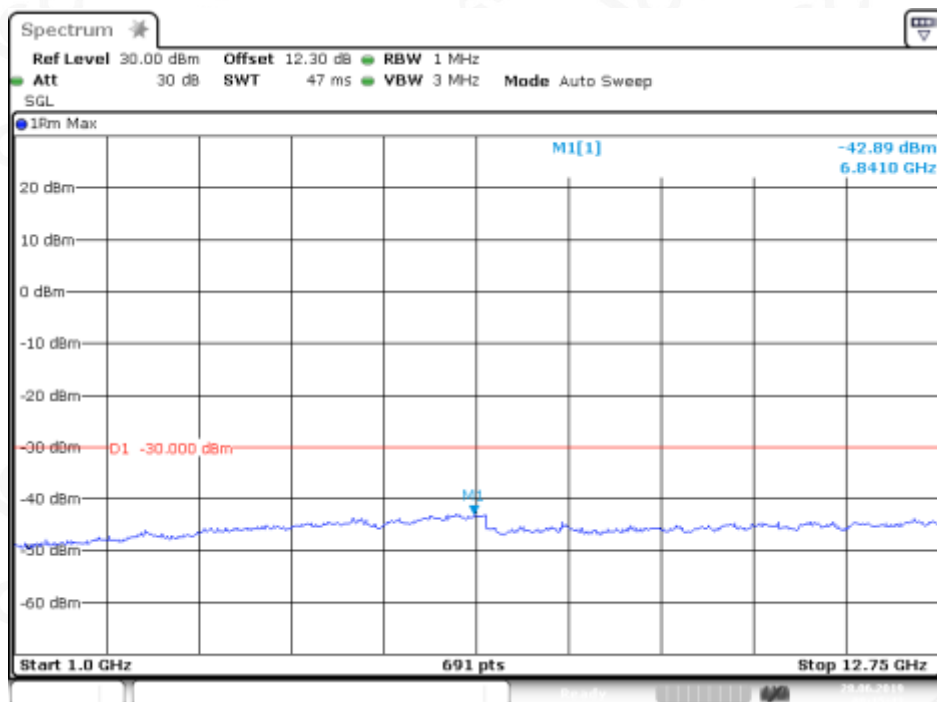
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118



Date: 28.JUN.2019 08:15:25

1GHZ~12.75GHZ



Date: 28.JUN.2019 08:15:43



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

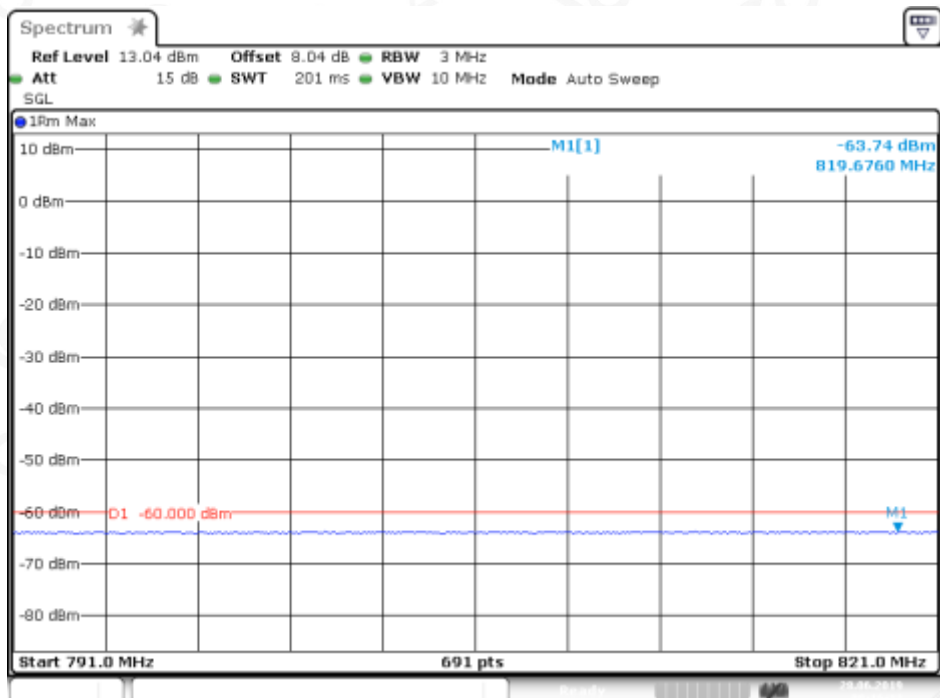
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

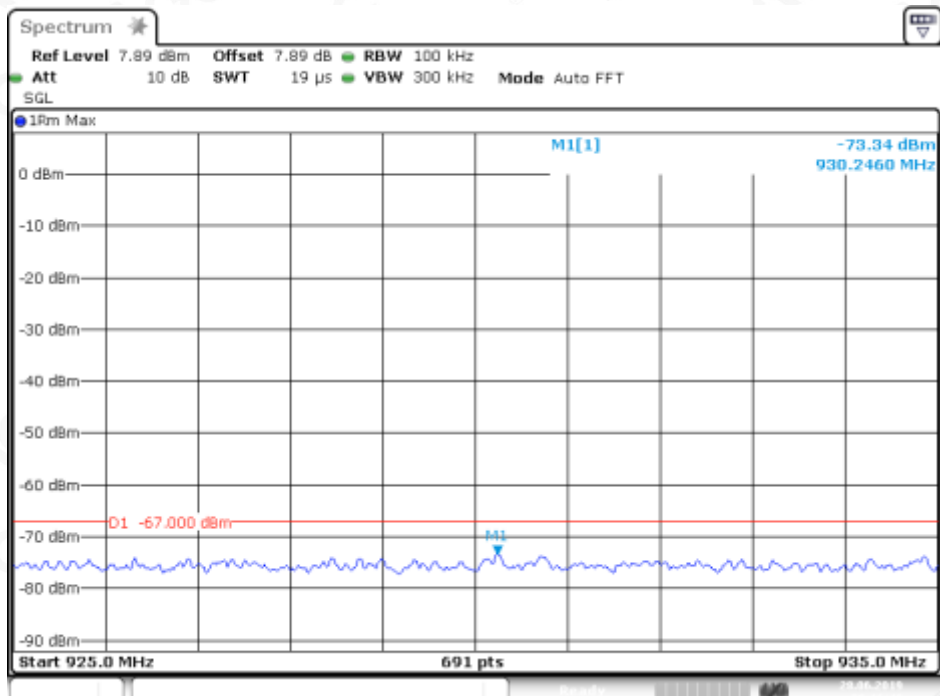
Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 08:16:11

925MHZ~935MHZ



Date: 28.JUN.2019 08:16:40



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Spectrum ★

Ref Level 7.89 dBm **Offset** 7.89 dB **RBW** 3 MHz

Att 10 dB **SWT** 201 ms **VBW** 10 MHz **Mode** Auto Sweep

SGL

1Rm Max

M1[1] -69.17 dBm 926.1790 MHz

O1 -60.000 dBm

M1

Start 925.0 MHz **691 pts** **Stop** 935.0 MHz

28.06.2019

Spectrum

Ref Level 2.89 dBm **Offset** 7.89 dB **RBW** 100 kHz

Att 5 dB **SWT** 500 ms **VBW** 300 kHz **Mode** Auto Sweep

SGL

1Rm Max

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

-80 dBm

-90 dBm

M1[1] -87.08 dBm
954.1210 MHz

D1 -79.000 dBm

M1

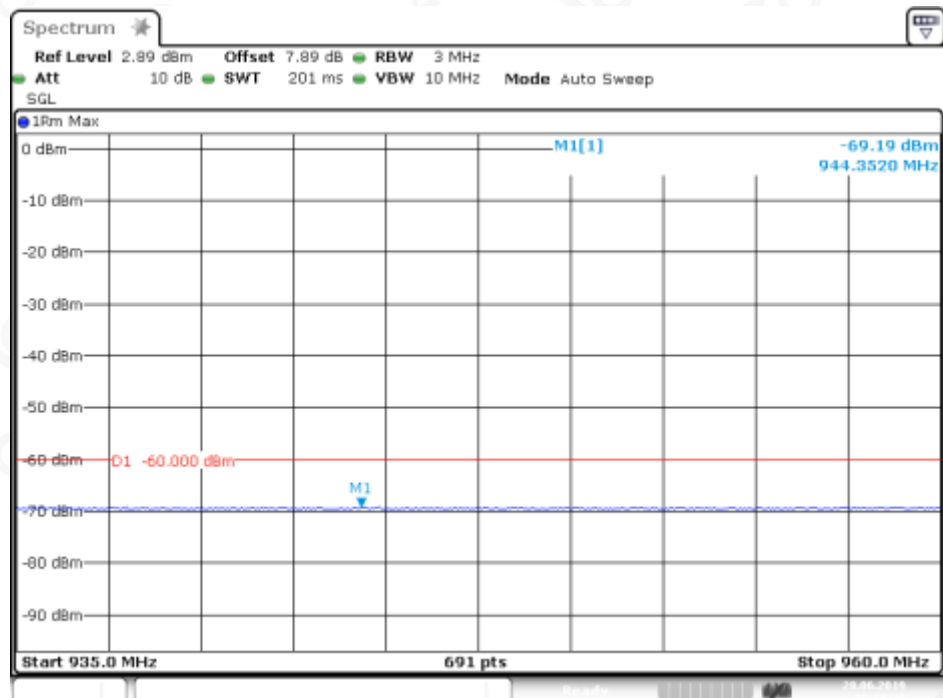
Start 935.0 MHz **691 pts** **Stop** 960.0 MHz

28.06.2015



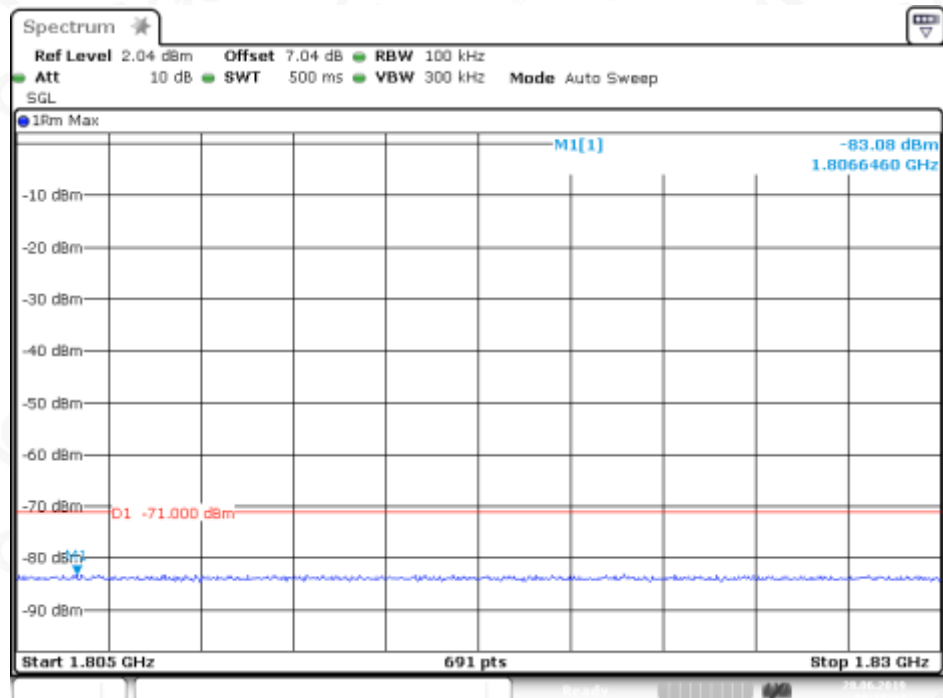
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935MHZ~960MHZ



Date: 28.JUN.2019 08:18:16

1805MHZ~1830MHZ



Date: 28.JUN.2019 08:18:34



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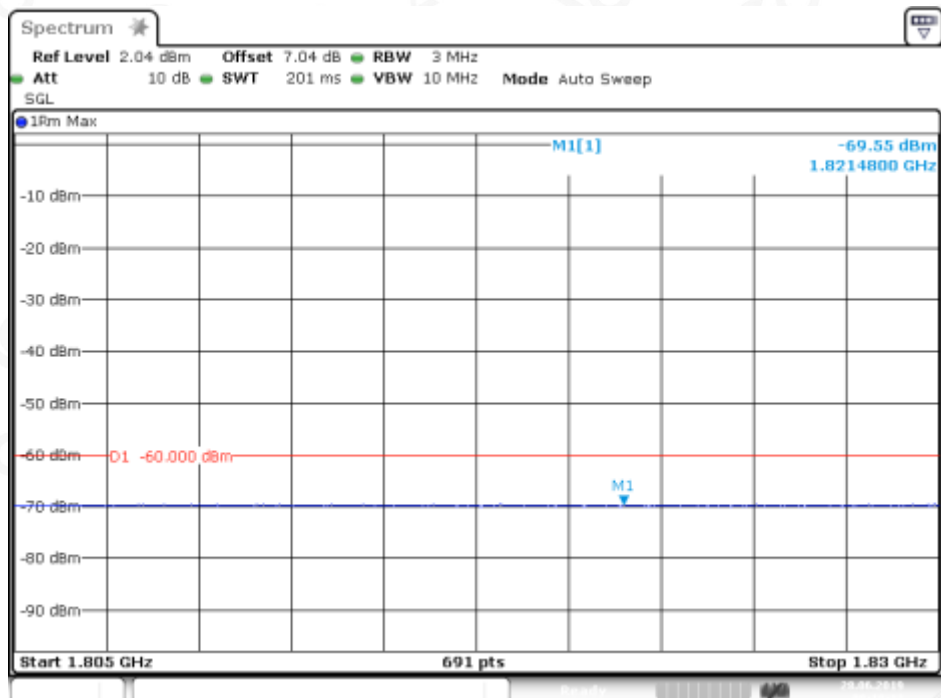
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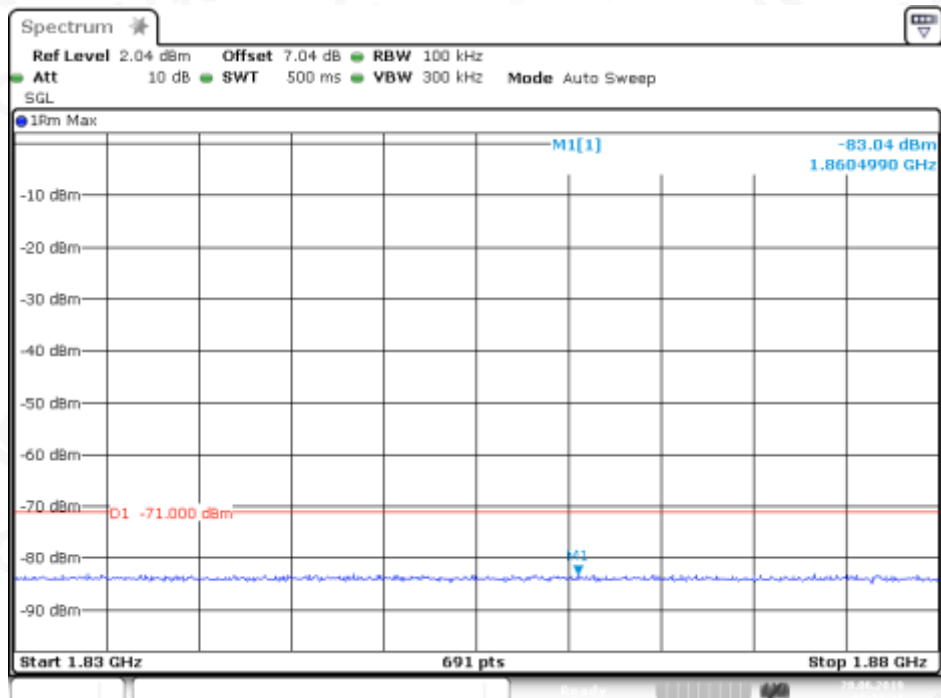
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1805MHZ~1830MHZ



Date: 28.JUN.2019 08:19:13

1830MHZ~1880MHZ



Date: 28.JUN.2019 08:19:31



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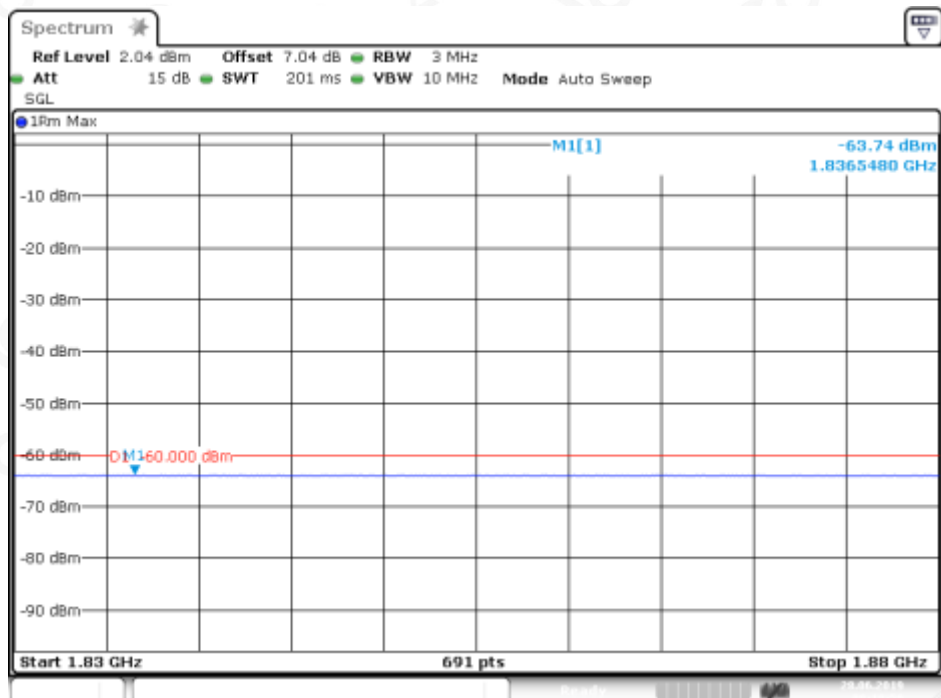
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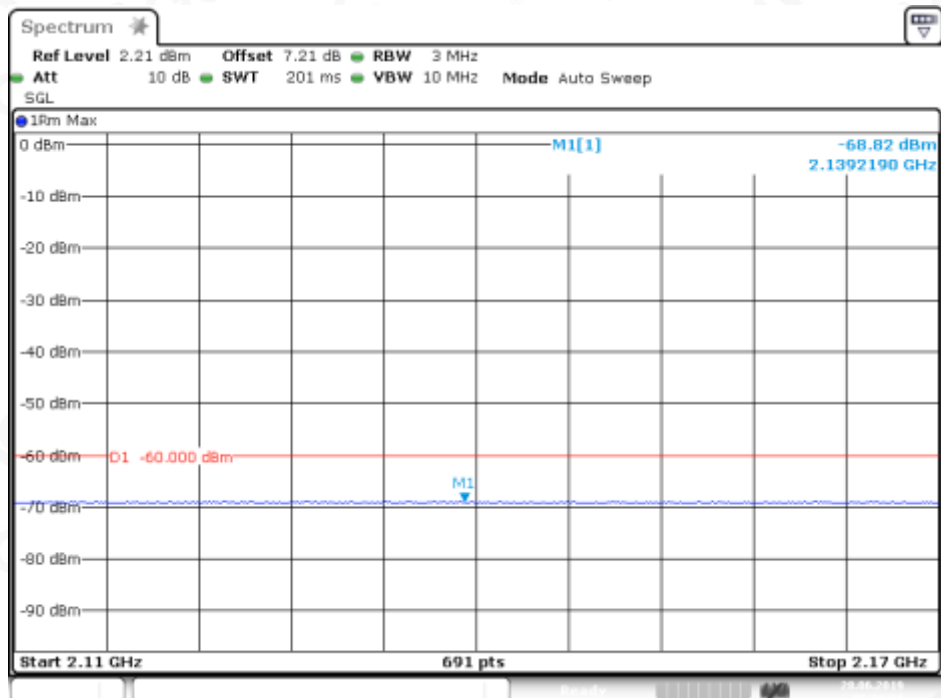
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1830MHZ~1880MHZ



Date: 28.JUN.2019 08:19:59

2110MHZ~2170MHZ



Date: 28.JUN.2019 08:20:38



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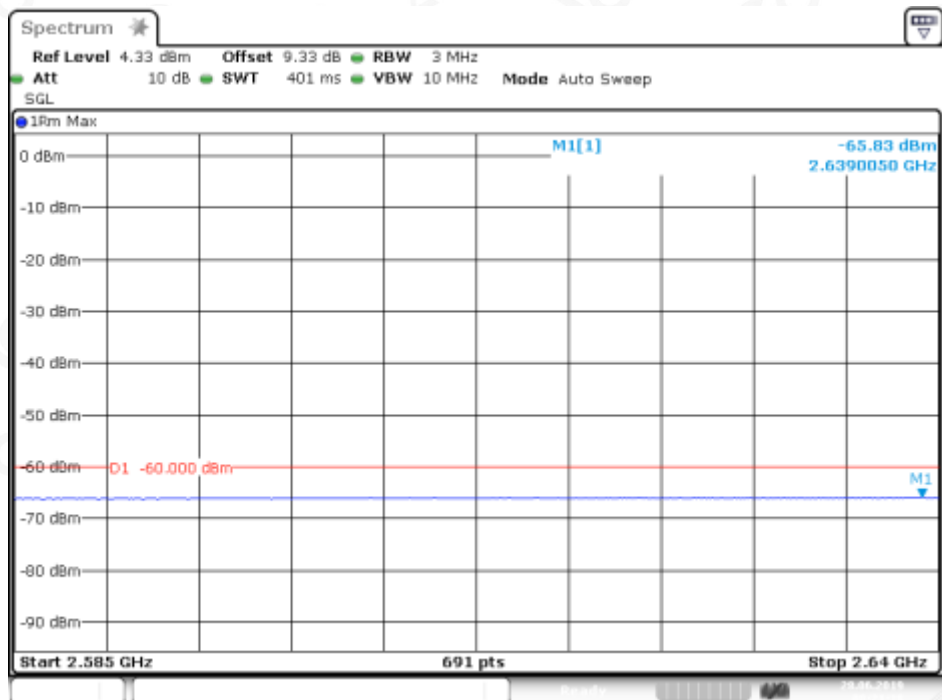
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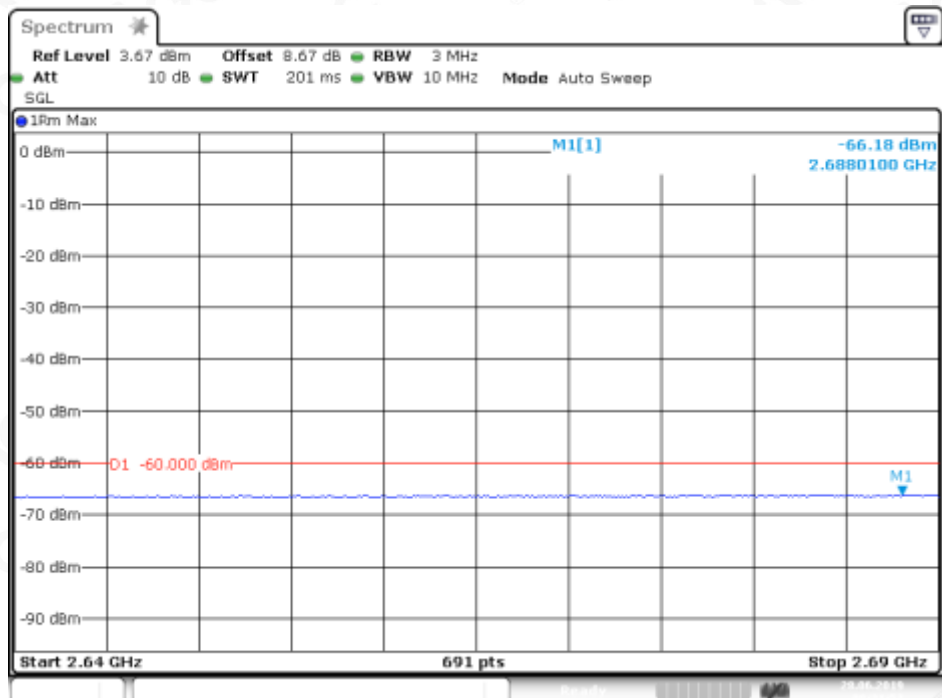
Service Hotline:400 089 2118

2585MHZ~2640MHZ



Date: 28.JUN.2019 08:21:18

2640MHZ~2690MHZ



Date: 28.JUN.2019 08:21:57



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Appendix F. Transmitter maximum output power with HS-DPCCH

Note: All the modes had been tested, but only the worst data recorded in the report.

Operating Band	Test Conditions	Test Channel	Sub-test	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	1	22.82	24(+1.7/-3.7)	Pass
			2	22.03	24(+1.7/-3.7)	Pass
			3	21.95	23.5(+2.2/-3.7)	Pass
			4	21.95	23.5(+2.2/-3.7)	Pass
		MCH	1	22.98	24(+1.7/-3.7)	Pass
			2	22.15	24(+1.7/-3.7)	Pass
			3	22.05	23.5(+2.2/-3.7)	Pass
			4	22.10	23.5(+2.2/-3.7)	Pass
		HCH	1	22.99	24(+1.7/-3.7)	Pass
			2	22.26	24(+1.7/-3.7)	Pass
			3	22.12	23.5(+2.2/-3.7)	Pass
			4	22.09	23.5(+2.2/-3.7)	Pass
Band VIII	TNVN	LCH	1	22.34	24(+1.7/-3.7)	Pass
			2	21.54	24(+1.7/-3.7)	Pass
			3	21.72	23.5(+2.2/-3.7)	Pass
			4	21.62	23.5(+2.2/-3.7)	Pass
		MCH	1	22.30	24(+1.7/-3.7)	Pass
			2	21.48	24(+1.7/-3.7)	Pass
			3	21.60	23.5(+2.2/-3.7)	Pass
			4	21.53	23.5(+2.2/-3.7)	Pass
		HCH	1	22.58	24(+1.7/-3.7)	Pass
			2	21.90	24(+1.7/-3.7)	Pass
			3	21.80	23.5(+2.2/-3.7)	Pass
			4	21.77	23.5(+2.2/-3.7)	Pass



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Appendix G. Transmitter spectrum emission mask with HS-DPCCH

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band I	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band VIII	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS



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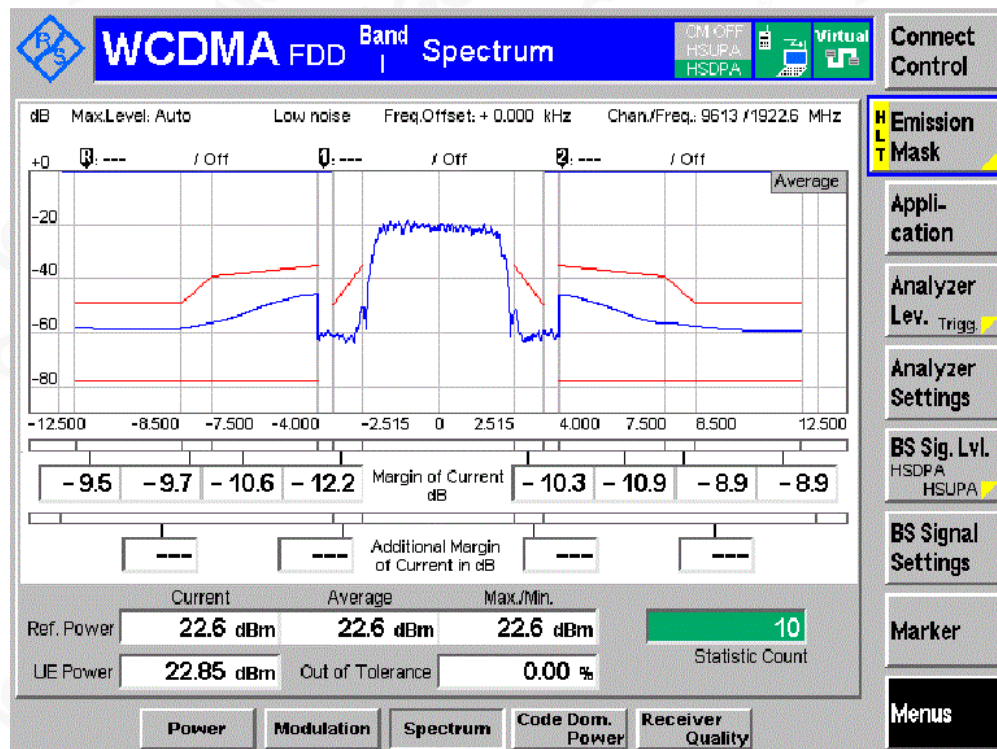
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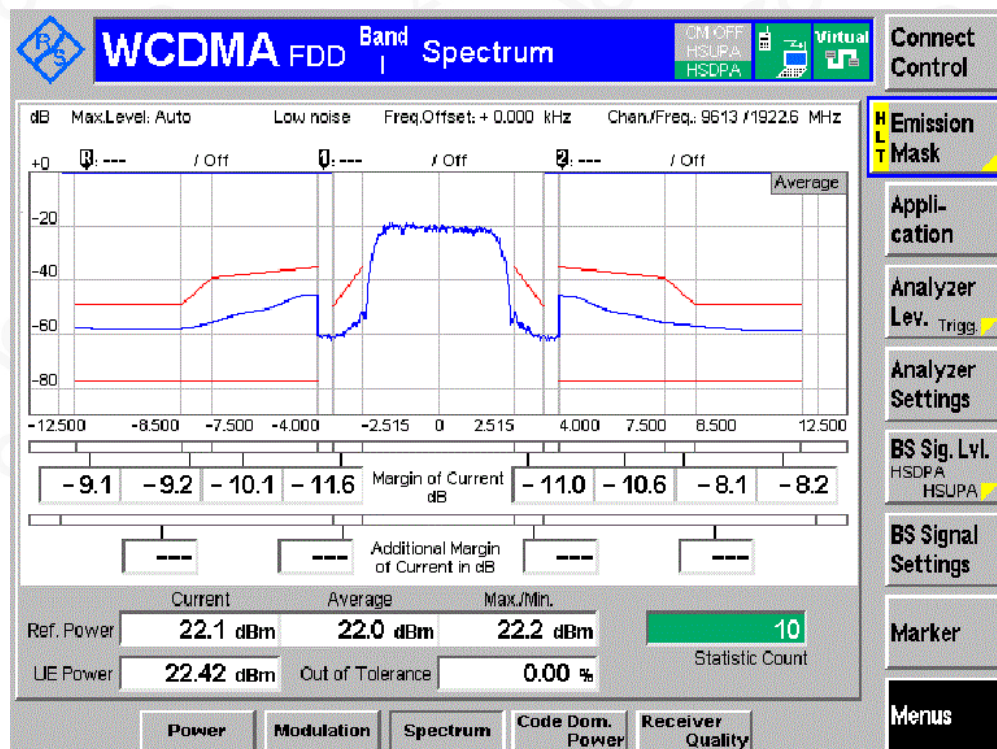
BAND 1

Channel LCH

Sub-test 1



Sub-test 2



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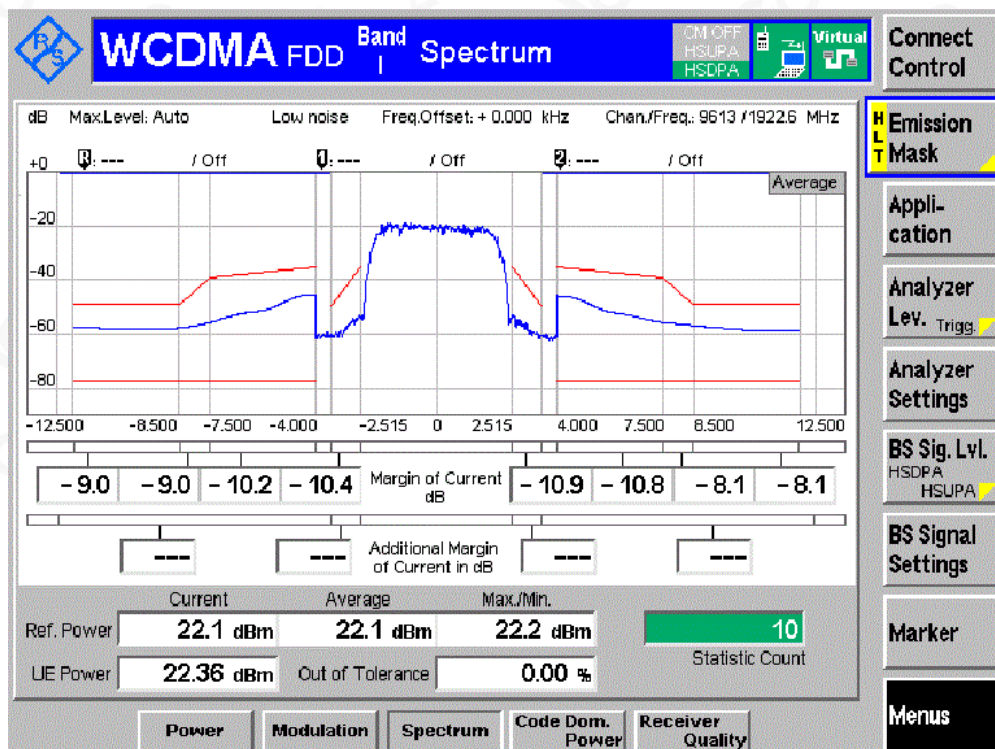
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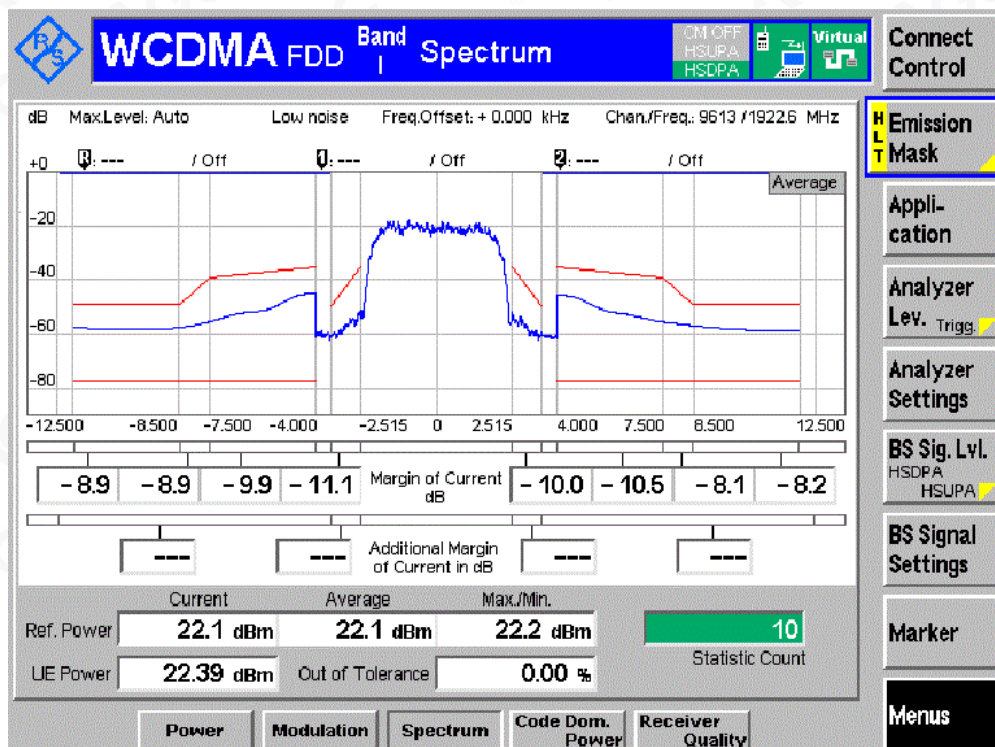
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Sub-test 3



Sub-test 4



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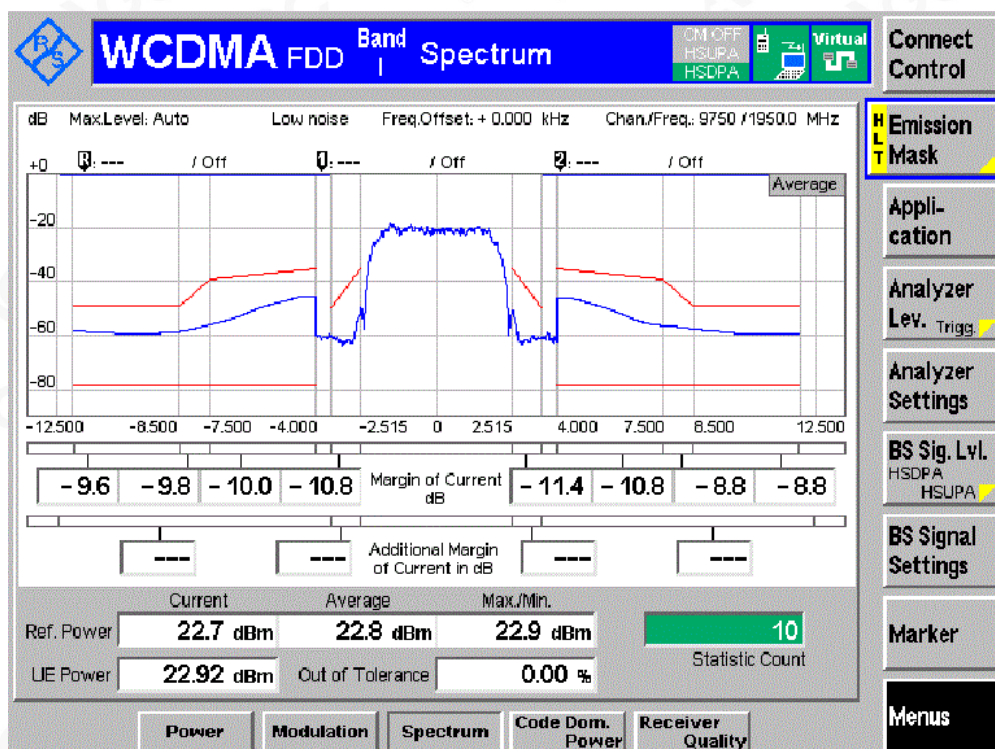
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E-mail: agc@agc-cert.com

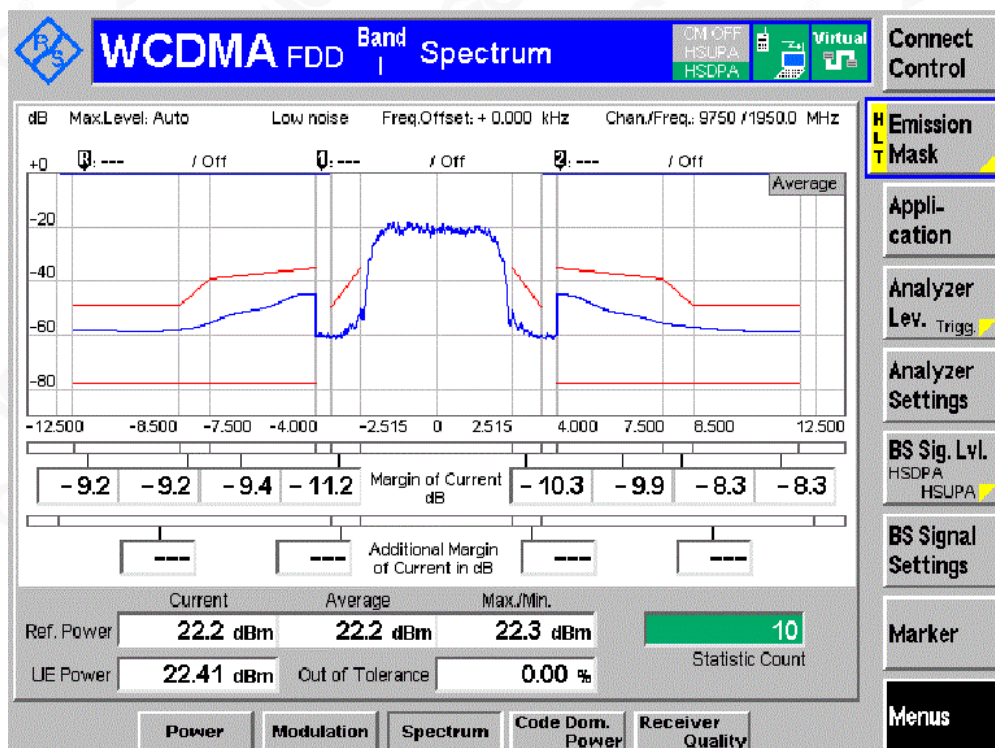
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Channel MCH

Sub-test 1



Sub-test 2



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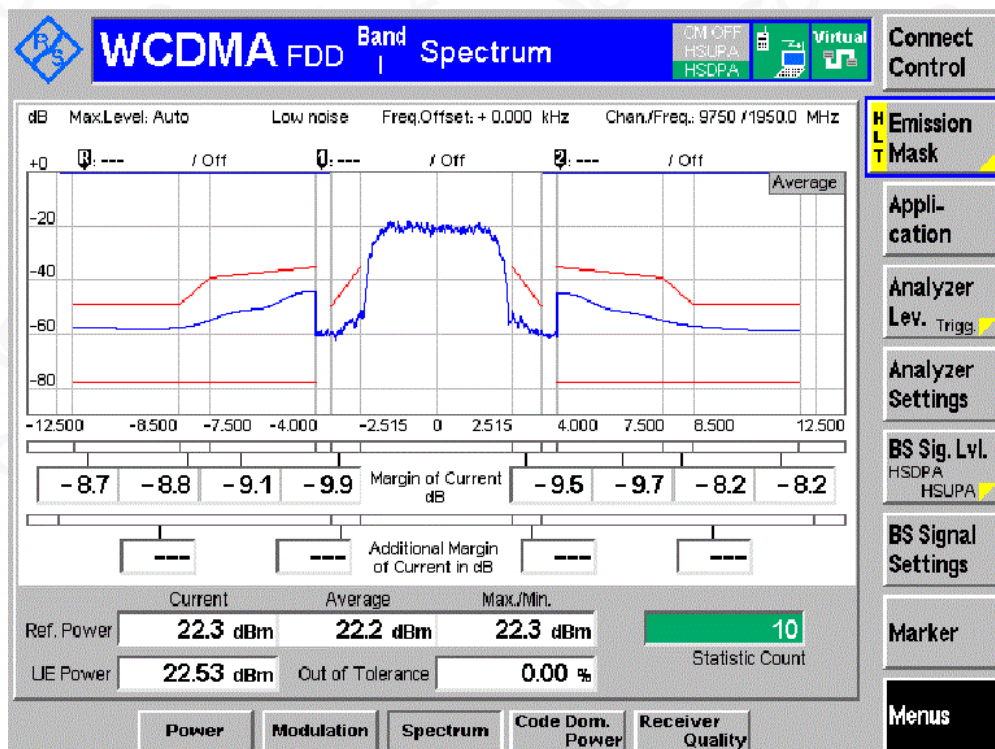
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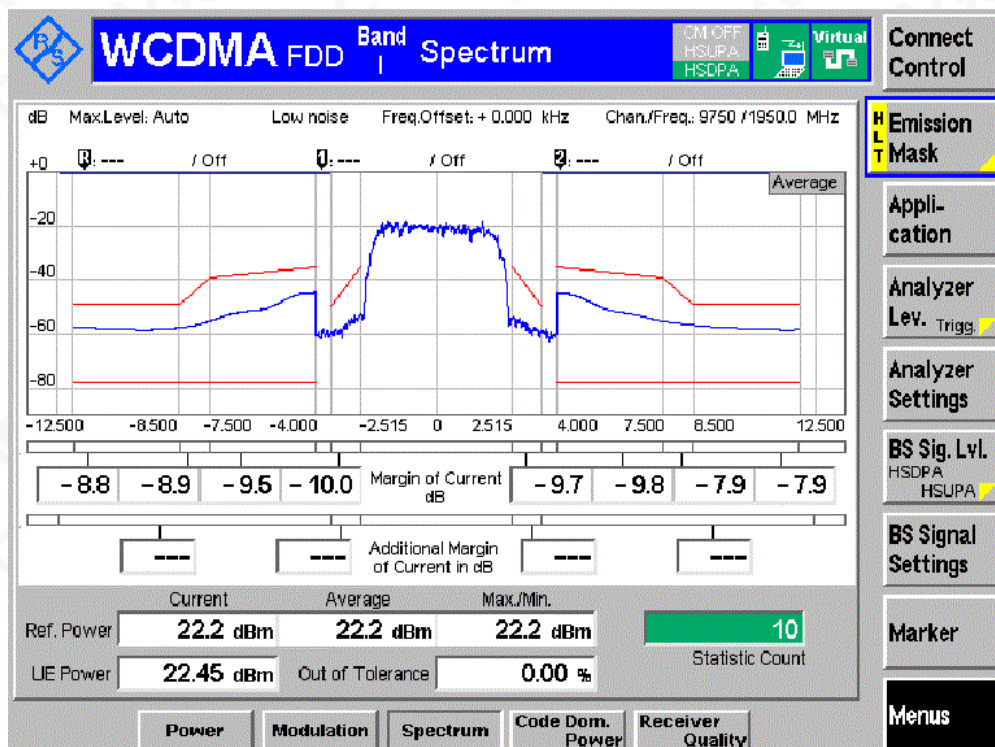
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Sub-test 3



Sub-test 4



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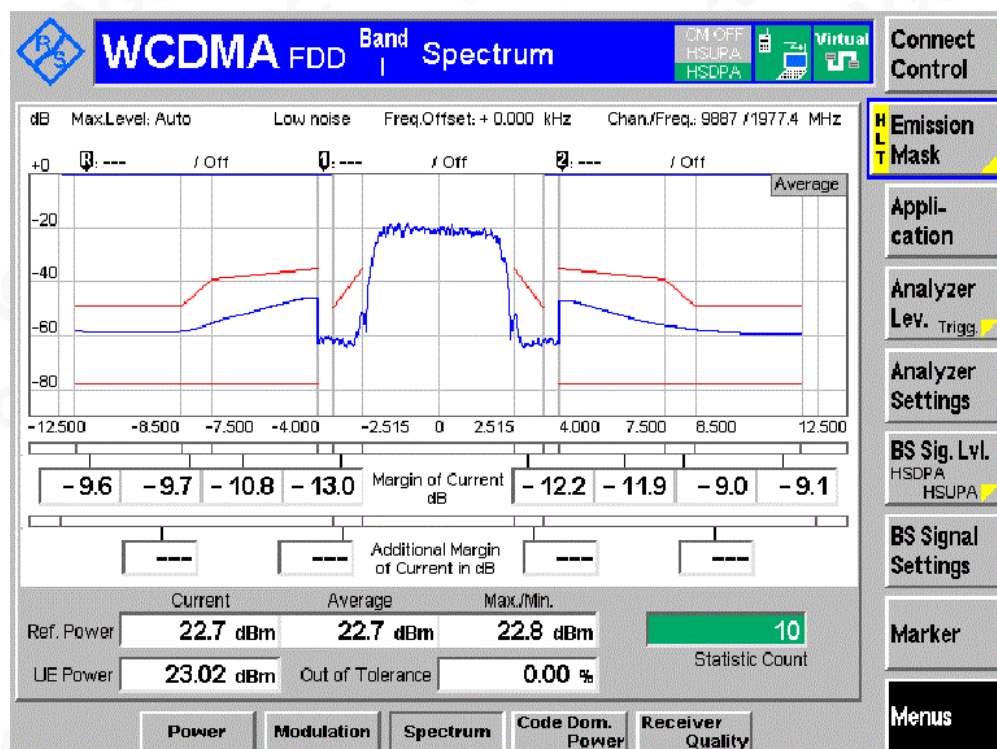
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E-mail: agc@agc-cert.com

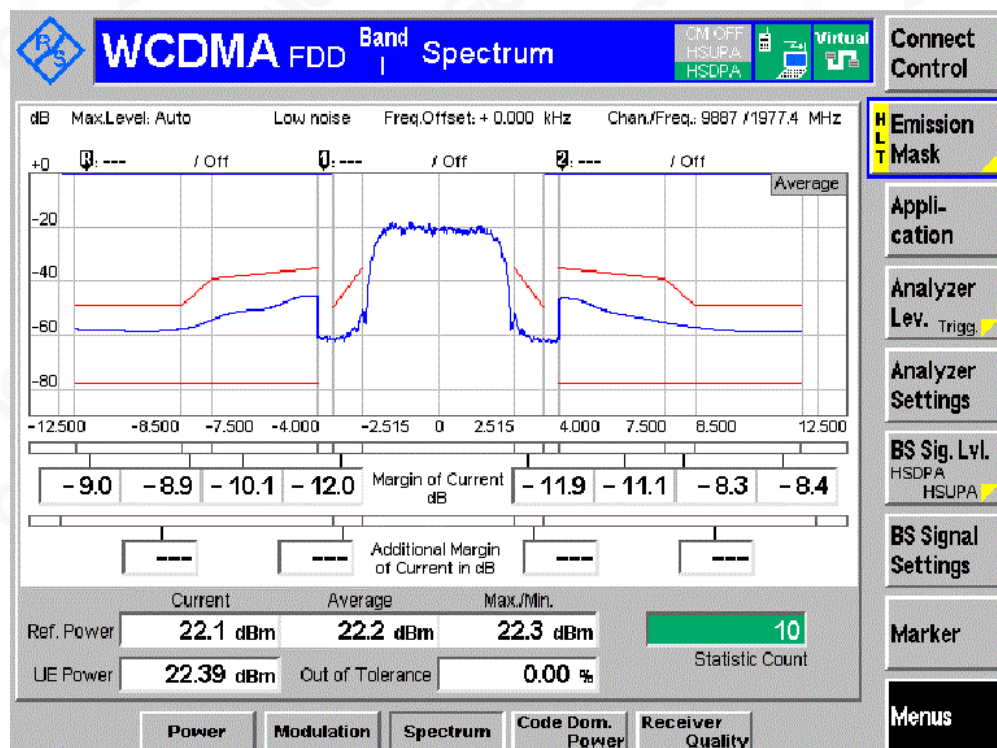
Service Hotline:400 089 2118

Channel HCH

Sub-test 1



Sub-test 2



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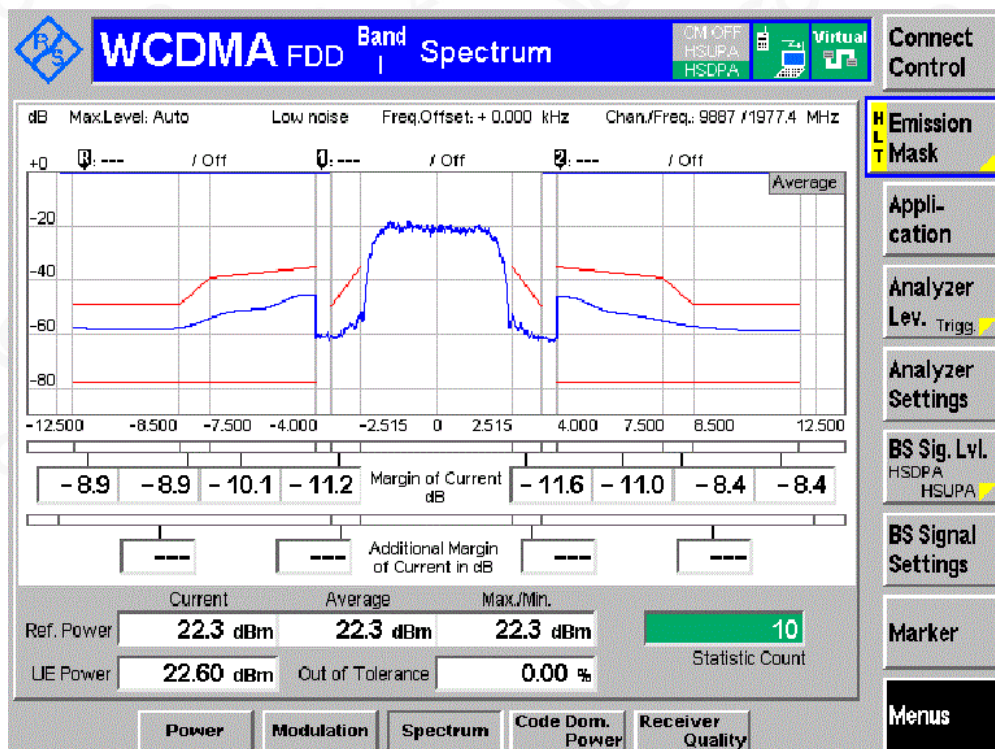
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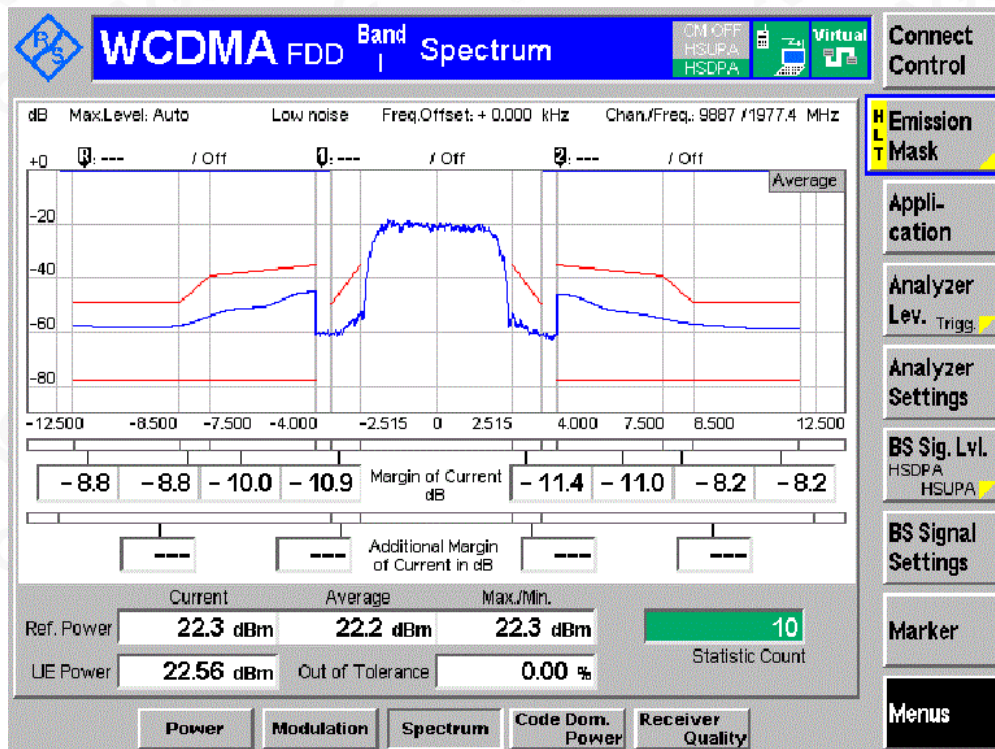
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Sub-test 3



Sub-test 4



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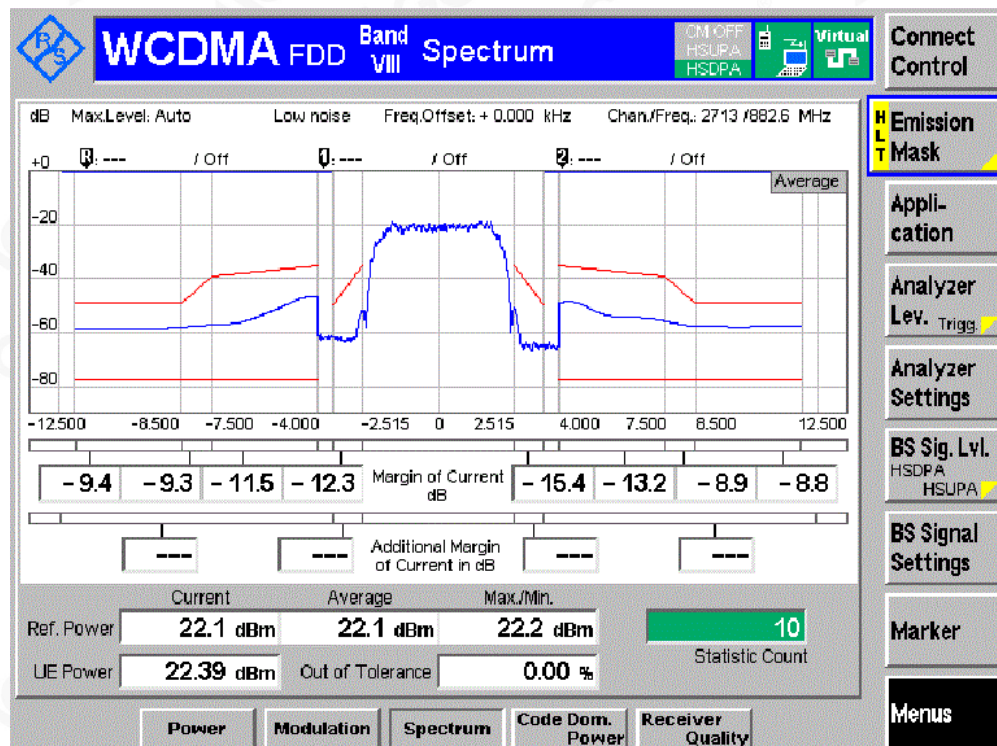
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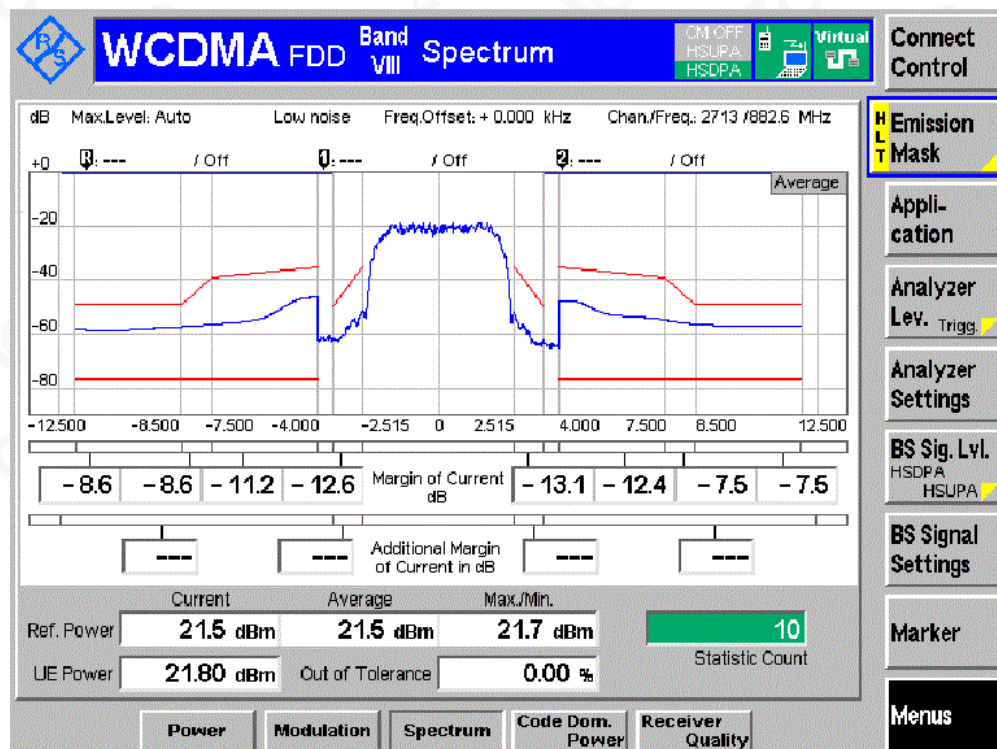
BAND VIII

Channel LCH

Sub-test 1



Sub-test 2



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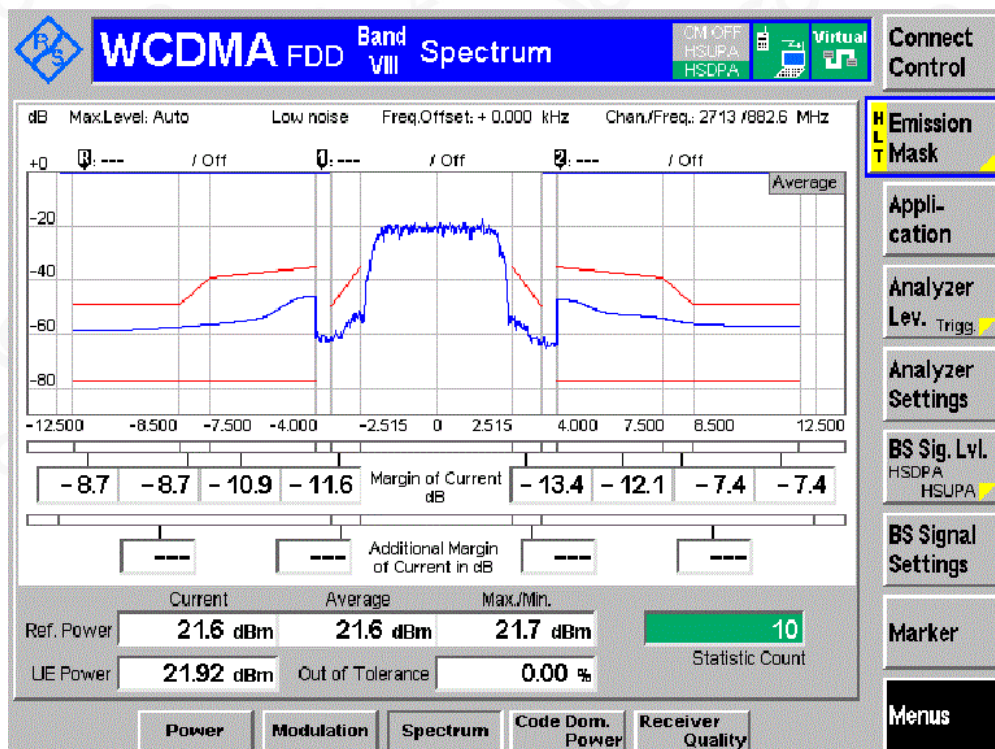
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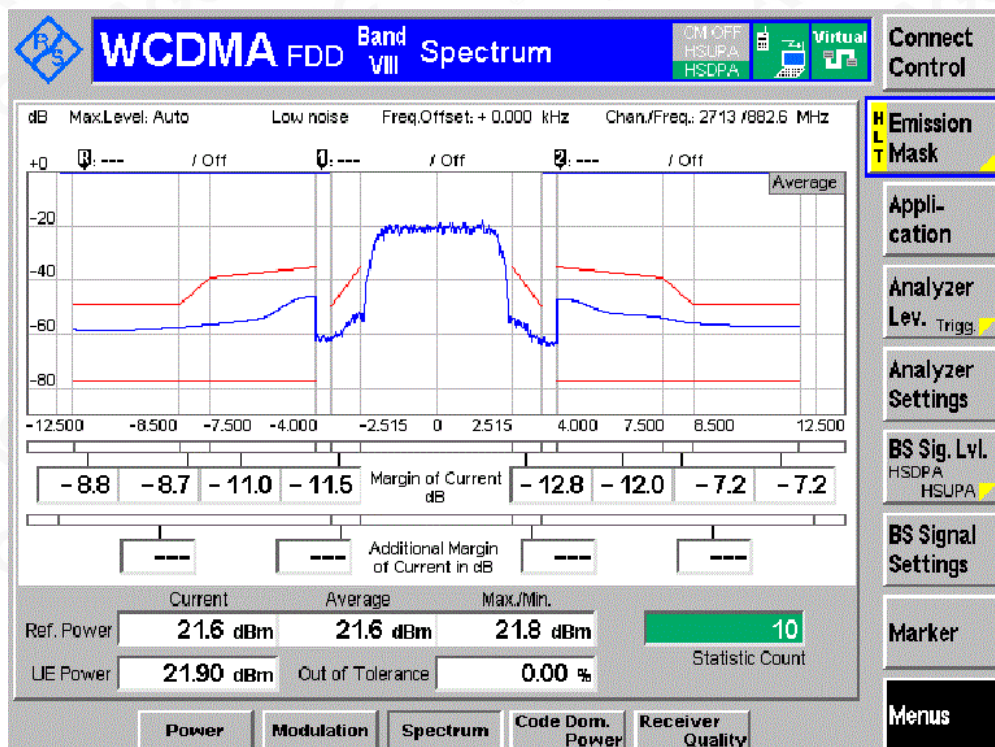
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Sub-test 3



Sub-test 4



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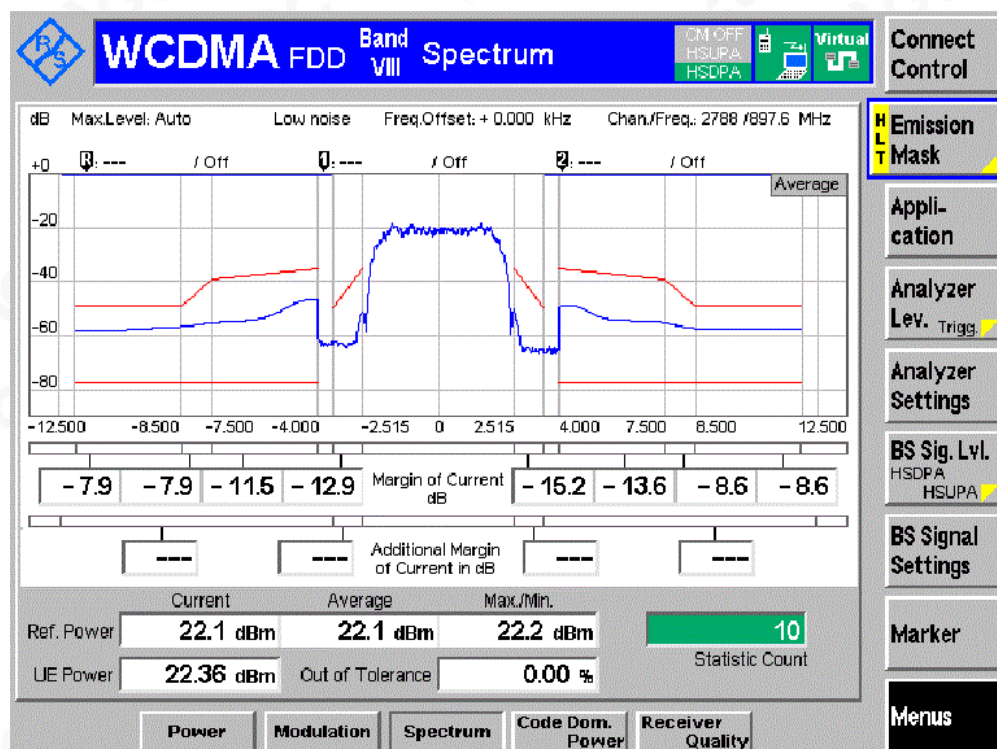
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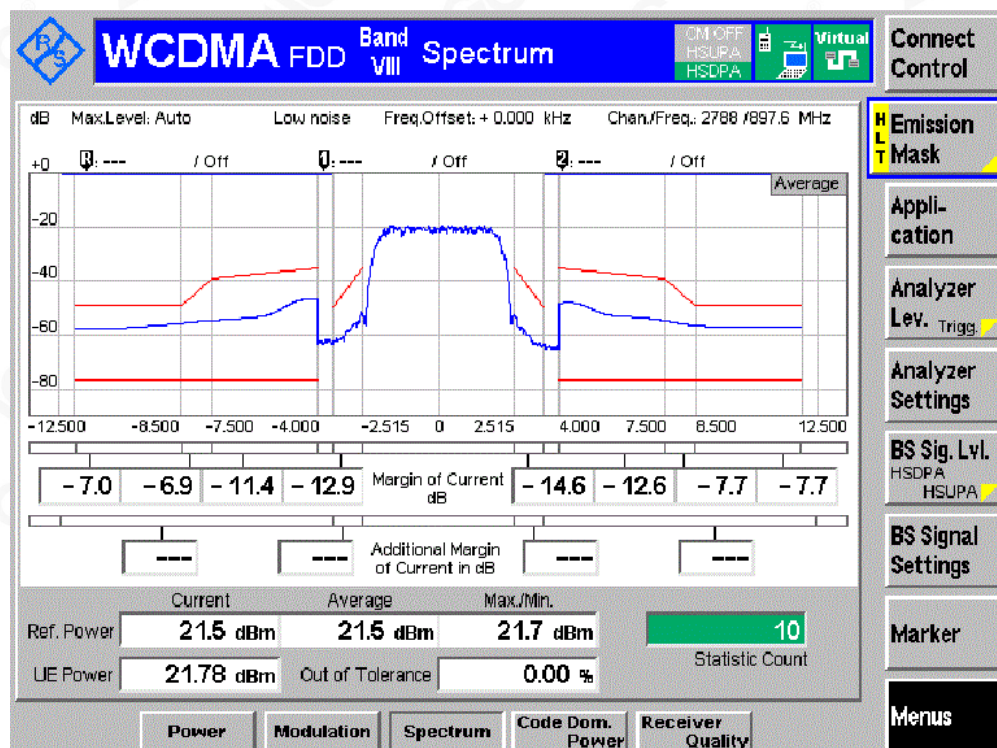
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Channel MCH

Sub-test 1



Sub-test 2



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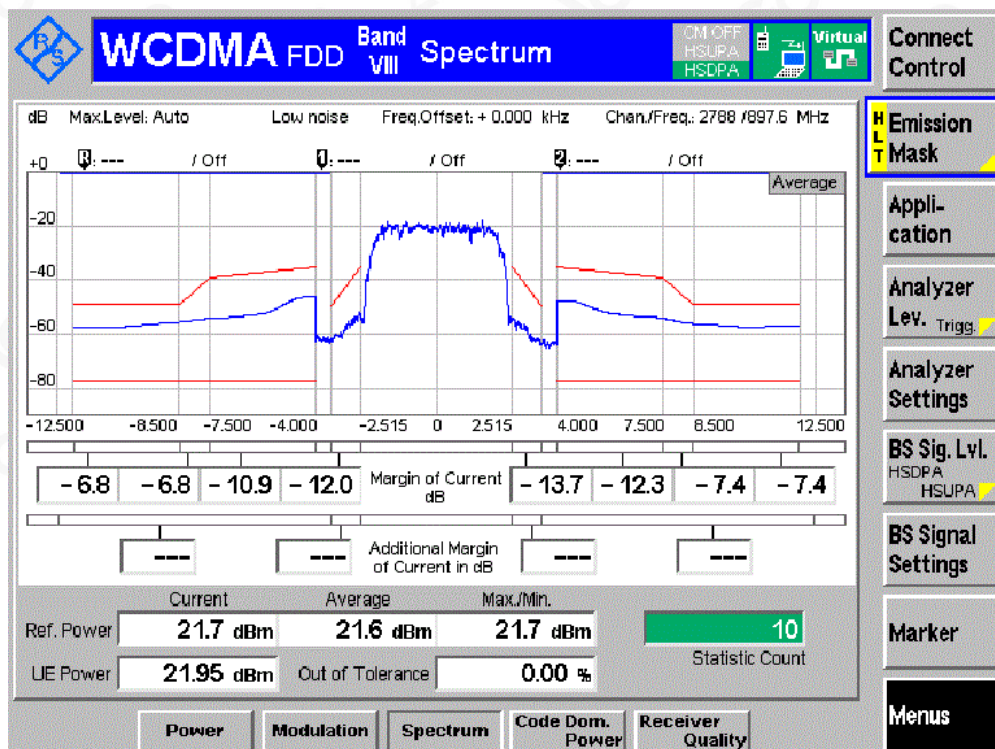
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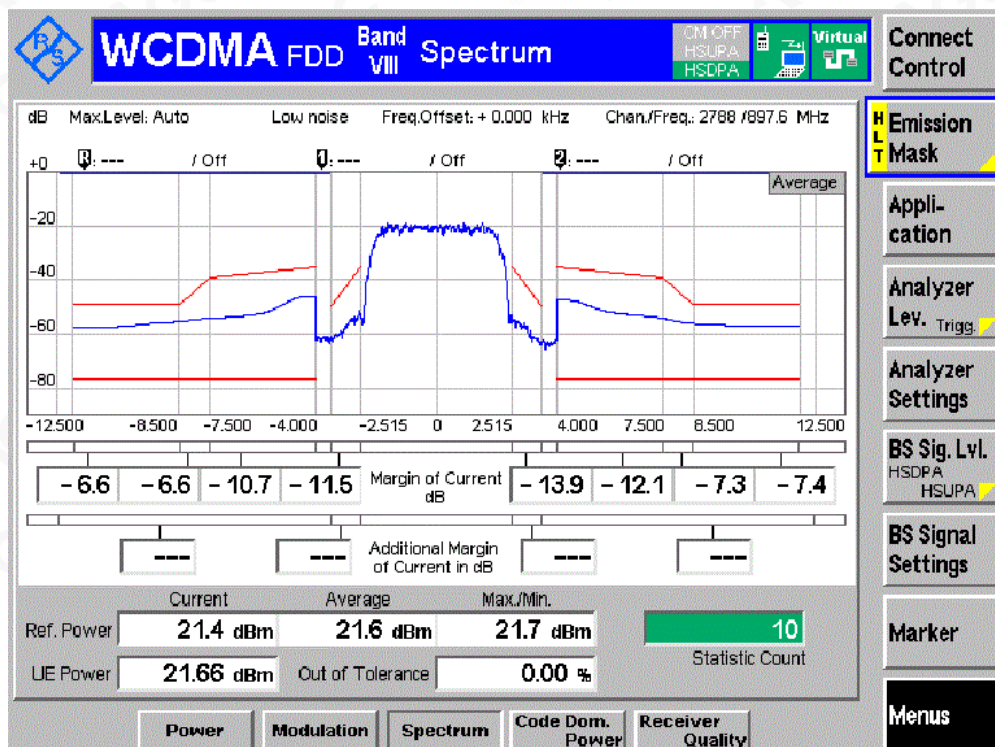
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Sub-test 3



Sub-test 4



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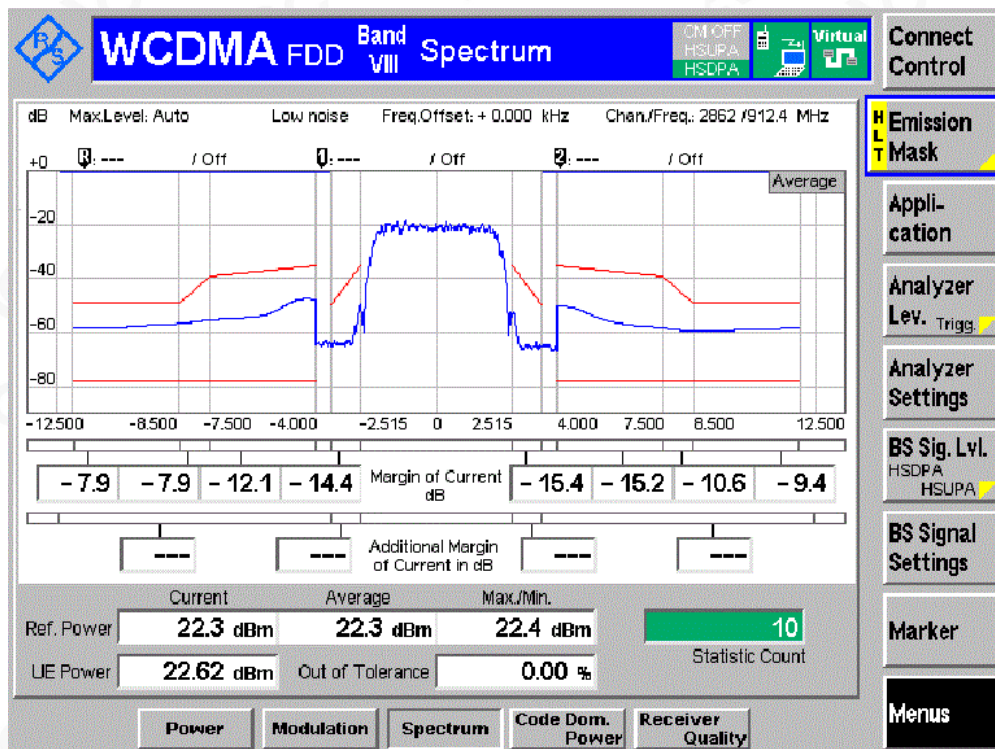
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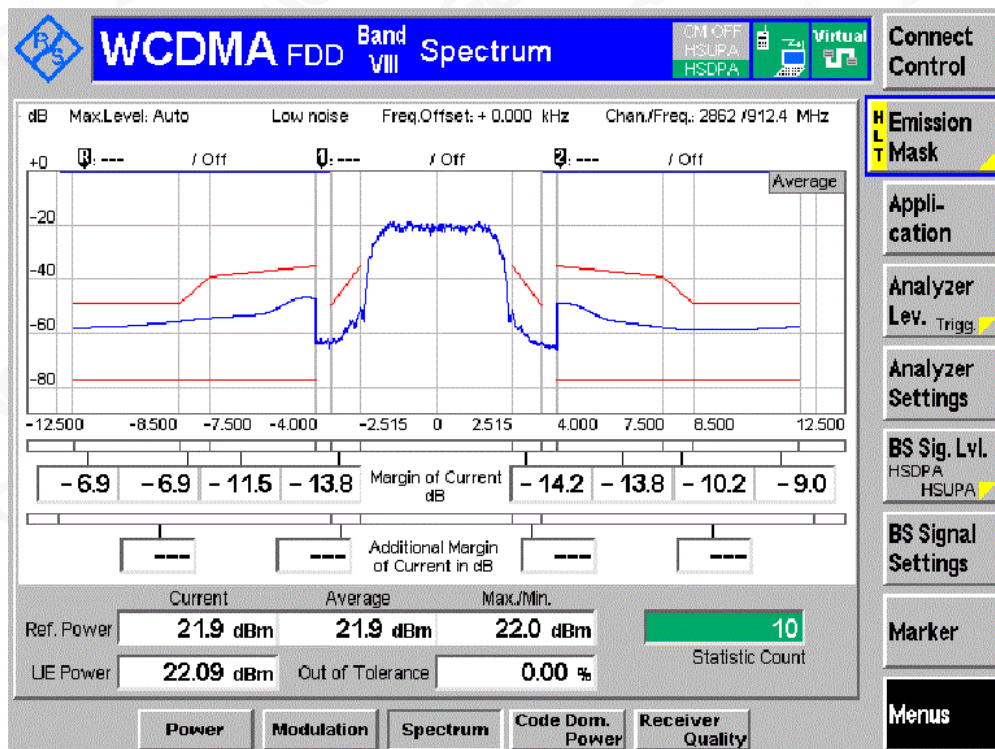
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Channel HCH

Sub-test 1



Sub-test 2



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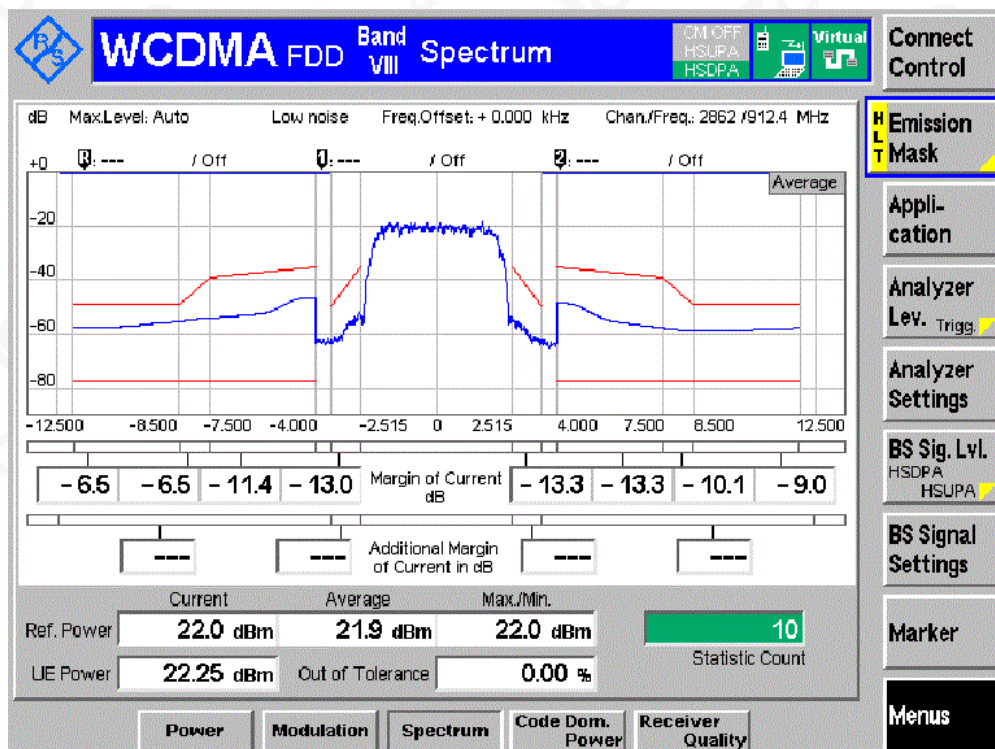
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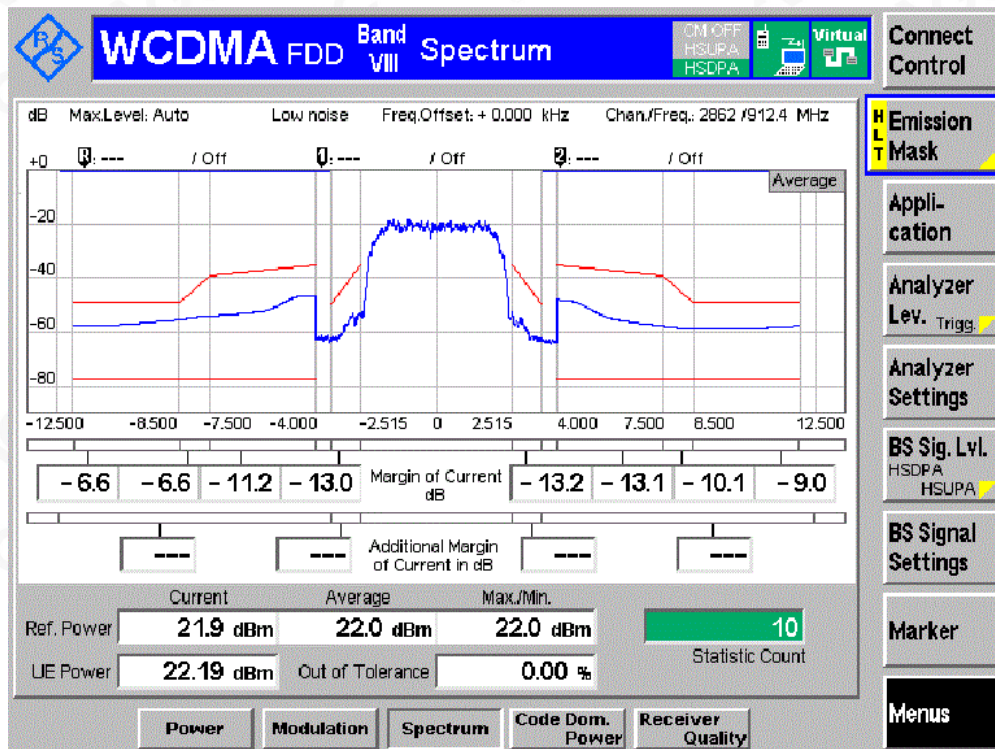
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Sub-test 3



Sub-test 4



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Appendix H. Transmitter adjacent channel leakage power ratio with HS-DPPCH

Note: All the modes had been tested, but only the worst data recorded in the report.

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band I	TNVN	LCH	1	+5MHz	-42.72	-32.2	Pass
				-5 MHz	-42.22	-32.2	Pass
				-10MHz	-53.56	-42.2	Pass
				+10MHz	-53.49	-42.2	Pass
			2	+5MHz	-42.45	-32.2	Pass
				-5 MHz	-41.91	-32.2	Pass
				-10MHz	-52.95	-42.2	Pass
				+10MHz	-52.84	-42.2	Pass
			3	+5MHz	-42.41	-32.2	Pass
				-5 MHz	-41.92	-32.2	Pass
				-10MHz	-52.80	-42.2	Pass
				+10MHz	-52.71	-42.2	Pass
			4	+5MHz	-42.25	-32.2	Pass
				-5 MHz	-41.69	-32.2	Pass
				-10MHz	-52.80	-42.2	Pass
				+10MHz	-52.77	-42.2	Pass
		MCH	1	+5MHz	-42.44	-32.2	Pass
				-5 MHz	-41.94	-32.2	Pass
				-10MHz	-53.46	-42.2	Pass
				+10MHz	-53.35	-42.2	Pass
			2	+5MHz	-42.01	-32.2	Pass
				-5 MHz	-41.60	-32.2	Pass
				-10MHz	-52.94	-42.2	Pass
				+10MHz	-52.79	-42.2	Pass



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			3	+5MHz	-41.72	-32.2	Pass
				-5 MHz	-41.31	-32.2	Pass
				-10MHz	-52.82	-42.2	Pass
				+10MHz	-52.37	-42.2	Pass
			4	+5MHz	-41.59	-32.2	Pass
				-5 MHz	-41.26	-32.2	Pass
				-10MHz	-52.74	-42.2	Pass
				+10MHz	-52.63	-42.2	Pass
		HCH	1	+5MHz	-43.55	-32.2	Pass
				-5 MHz	-42.46	-32.2	Pass
				-10MHz	-53.41	-42.2	Pass
				+10MHz	-53.47	-42.2	Pass
			2	+5MHz	-43.07	-32.2	Pass
				-5 MHz	-42.10	-32.2	Pass
				-10MHz	-52.73	-42.2	Pass
				+10MHz	-52.93	-42.2	Pass
			3	+5MHz	-42.79	-32.2	Pass
				-5 MHz	-41.93	-32.2	Pass
				-10MHz	-52.73	-42.2	Pass
				+10MHz	-52.80	-42.2	Pass
			4	+5MHz	-42.76	-32.2	Pass
				-5 MHz	-41.97	-32.2	Pass
				-10MHz	-52.72	-42.2	Pass
				+10MHz	-52.86	-42.2	Pass

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band VIII	TNVN	LCH	1	+5MHz	-45.66	-32.2	Pass



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				-5 MHz	-43.96	-32.2	Pass
				-10MHz	-53.31	-42.2	Pass
				+10MHz	-52.29	-42.2	Pass
			2	+5MHz	-44.40	-32.2	Pass
				-5 MHz	-43.24	-32.2	Pass
				-10MHz	-52.86	-42.2	Pass
				+10MHz	-51.66	-42.2	Pass
			3	+5MHz	-43.82	-32.2	Pass
				-5 MHz	-42.96	-32.2	Pass
				-10MHz	-52.98	-42.2	Pass
				+10MHz	-51.64	-42.2	Pass
			4	+5MHz	-43.62	-32.2	Pass
				-5 MHz	-42.76	-32.2	Pass
				-10MHz	-52.92	-42.2	Pass
				+10MHz	-51.44	-42.2	Pass
		MCH	1	+5MHz	-45.94	-32.2	Pass
				-5 MHz	-44.43	-32.2	Pass
				-10MHz	-52.09	-42.2	Pass
				+10MHz	-52.28	-42.2	Pass
			2	+5MHz	-44.51	-32.2	Pass
				-5 MHz	-43.24	-32.2	Pass
				-10MHz	-51.41	-42.2	Pass
				+10MHz	-51.68	-42.2	Pass
			3	+5MHz	-43.79	-32.2	Pass
				-5 MHz	-42.71	-32.2	Pass
				-10MHz	-51.37	-42.2	Pass
				+10MHz	-51.50	-42.2	Pass
			4	+5MHz	-43.61	-32.2	Pass



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					-5 MHz	-42.65	-32.2	Pass
					-10MHz	-51.19	-42.2	Pass
					+10MHz	-51.43	-42.2	Pass
				1	+5MHz	-47.02	-32.2	Pass
					-5 MHz	-44.70	-32.2	Pass
					-10MHz	-52.22	-42.2	Pass
					+10MHz	-53.67	-42.2	Pass
				2	+5MHz	-45.79	-32.2	Pass
					-5 MHz	-43.57	-32.2	Pass
					-10MHz	-51.64	-42.2	Pass
					+10MHz	-53.22	-42.2	Pass
				3	+5MHz	-45.04	-32.2	Pass
					-5 MHz	-43.28	-32.2	Pass
					-10MHz	-51.27	-42.2	Pass
					+10MHz	-53.24	-42.2	Pass
				4	+5MHz	-44.84	-32.2	Pass
					-5 MHz	-43.19	-32.2	Pass
					-10MHz	-51.16	-42.2	Pass
					+10MHz	-53.13	-42.2	Pass



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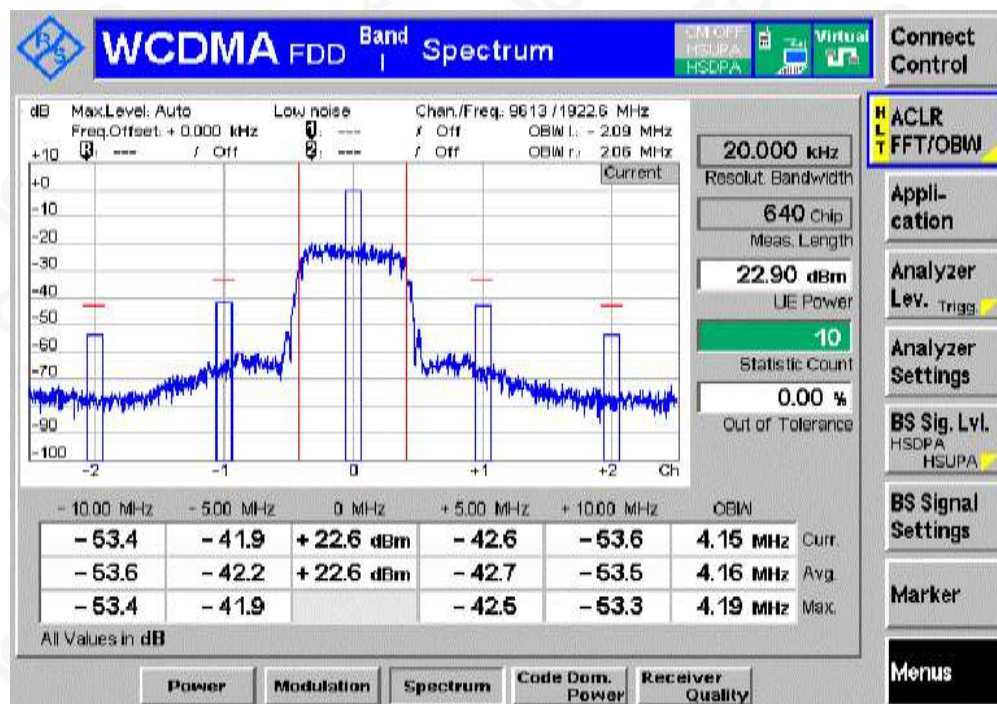
Service Hotline:400 089 2118

BAND I

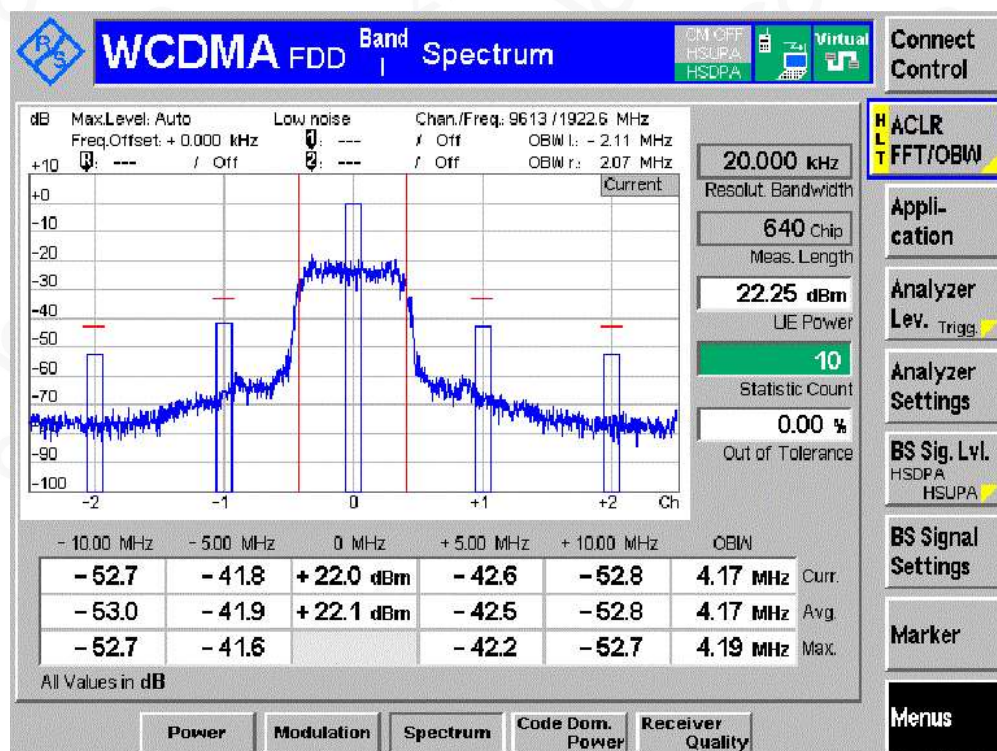
TNPN

Channel LCH

Sub-test 1



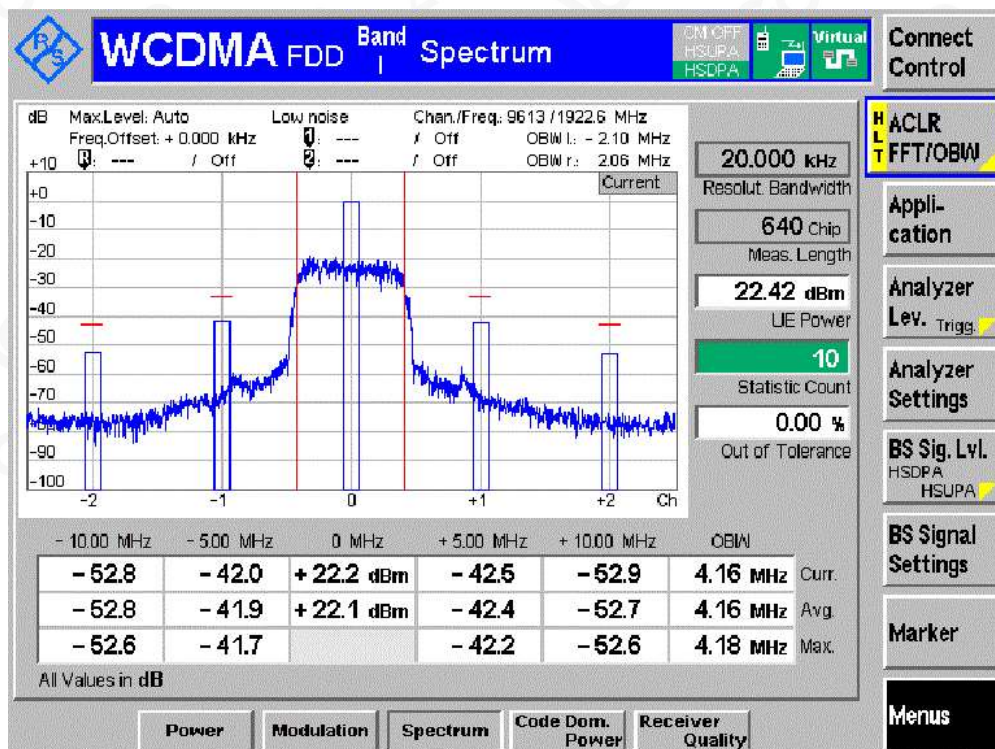
Sub-test 2



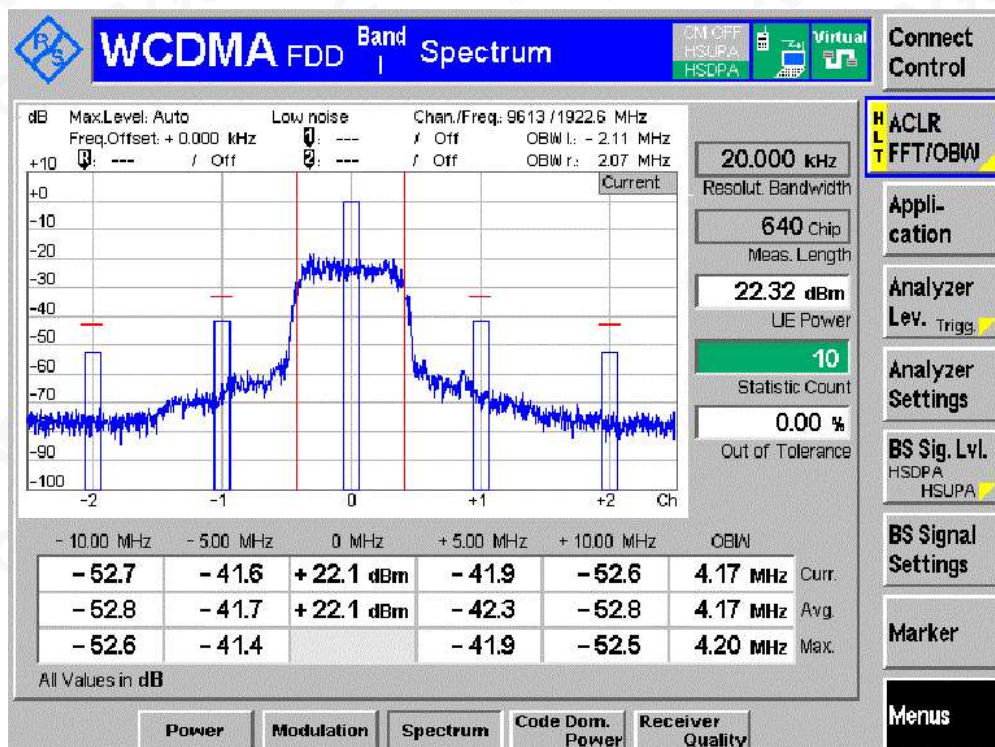
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

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Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

Sub-test 3



Sub-test 4



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Xixiang, Bao'an District, Shenzhen, Guangdong, China

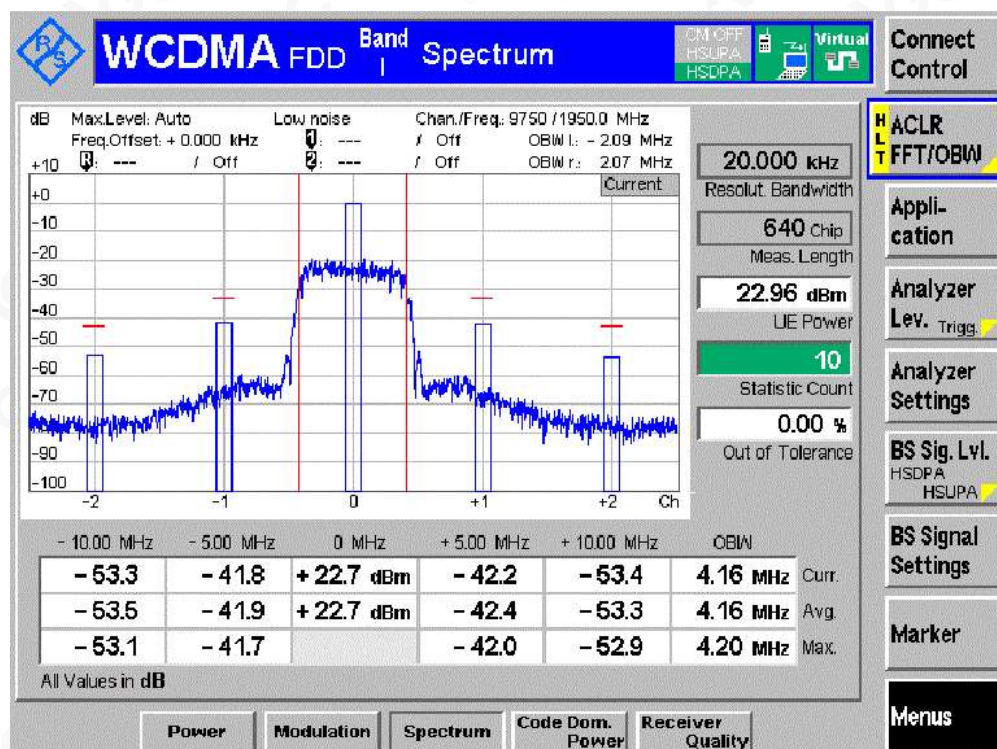
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

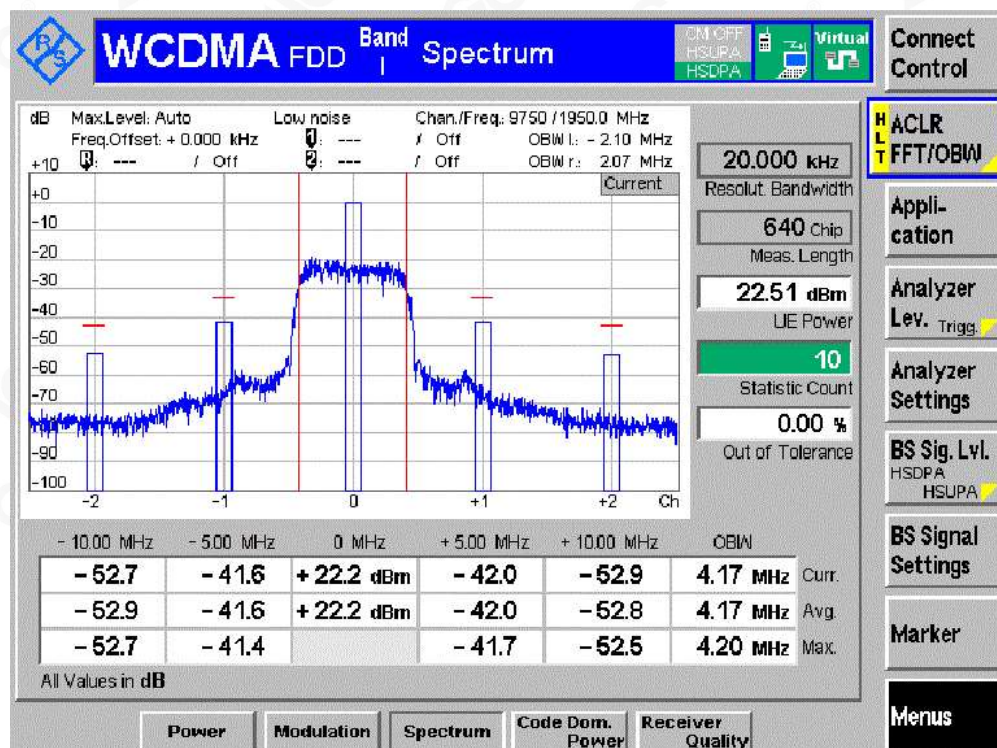
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Channel MCH

Sub-test 1



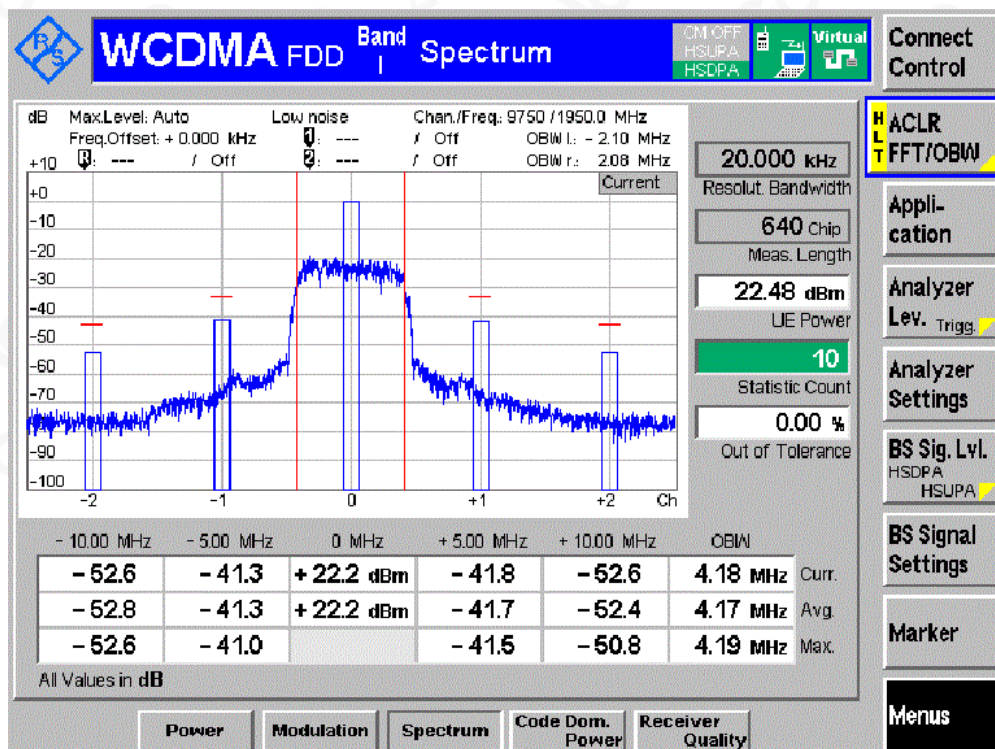
Sub-test 2



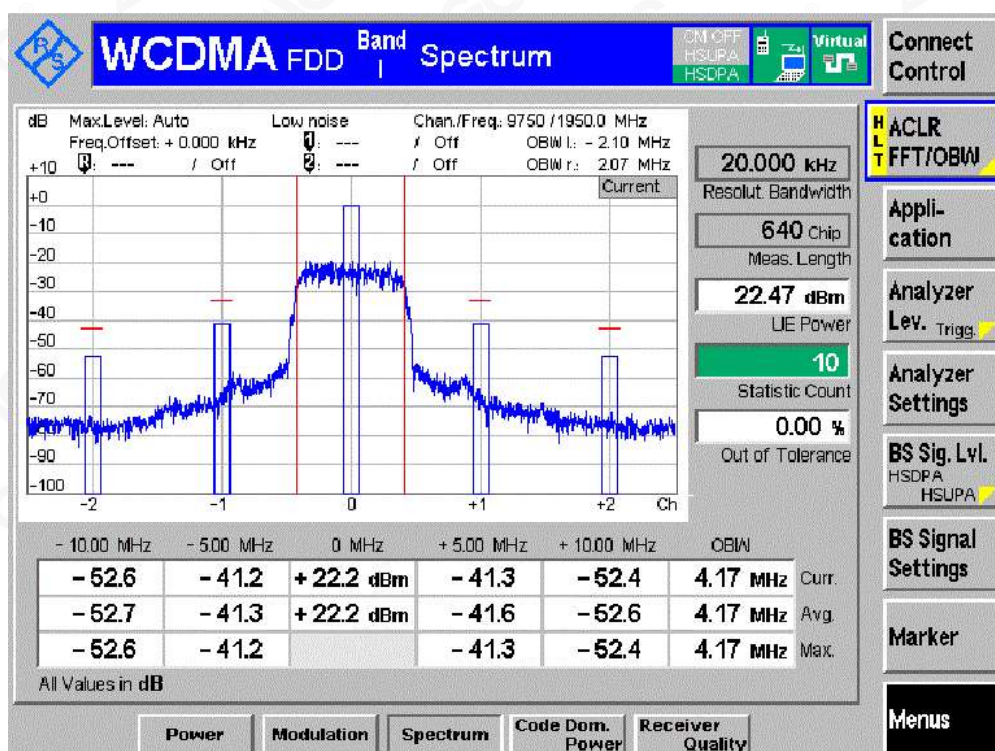
Attestation of Global Compliance(Shenzhen)Co.,Ltd.

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Sub-test 3



Sub-test 4

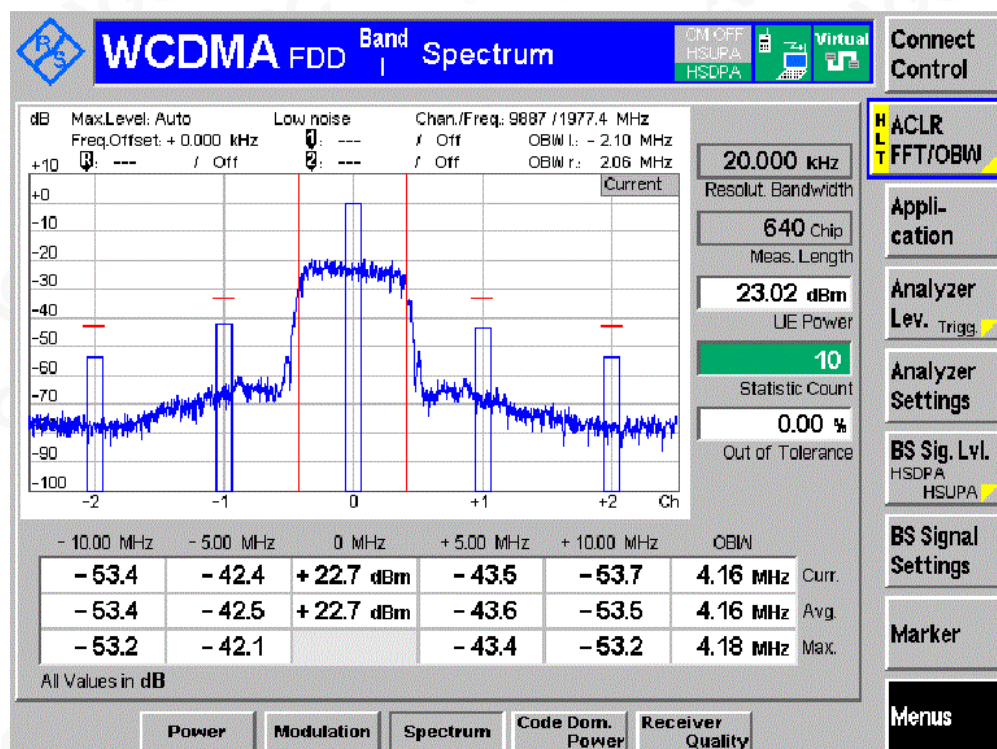


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

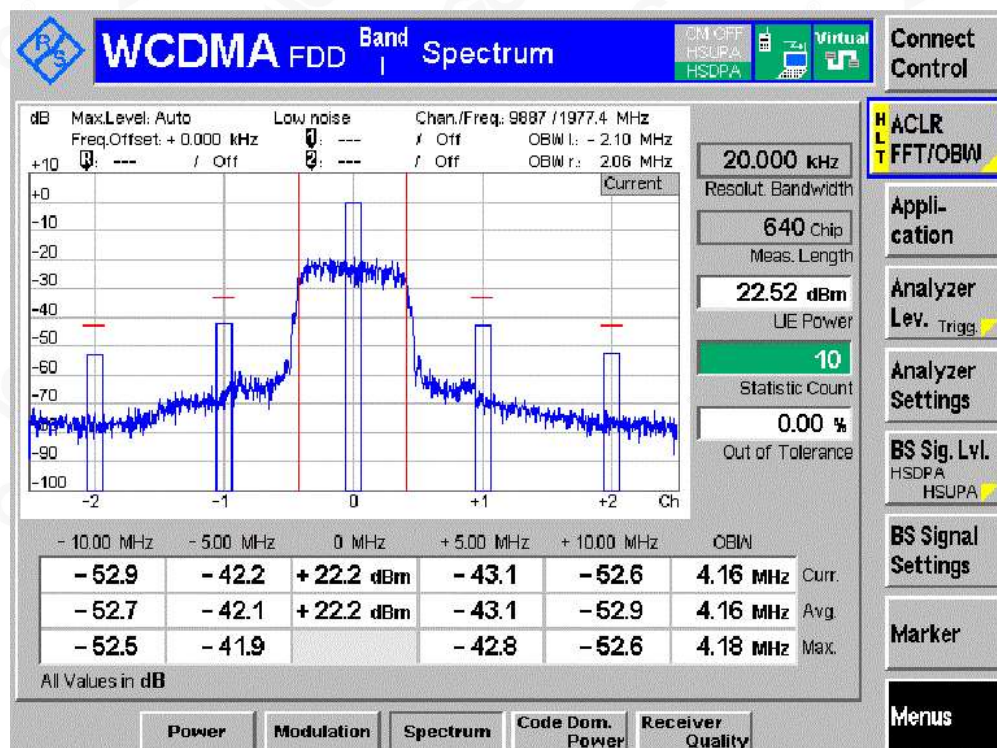
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

Channel HCH

Sub-test 1



Sub-test 2



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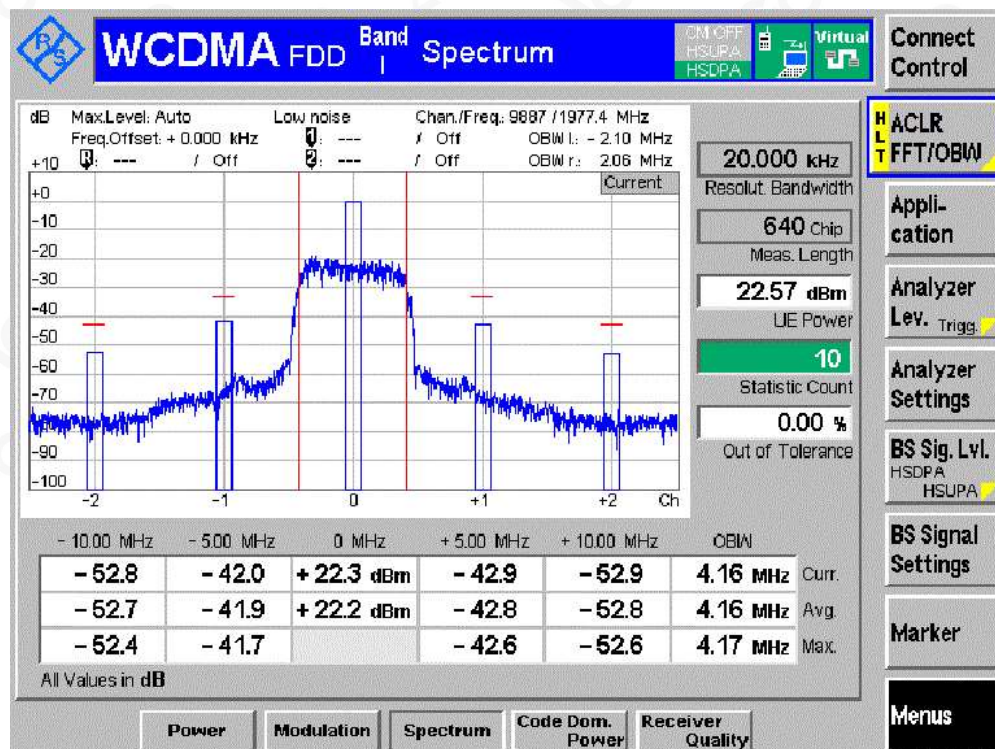
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

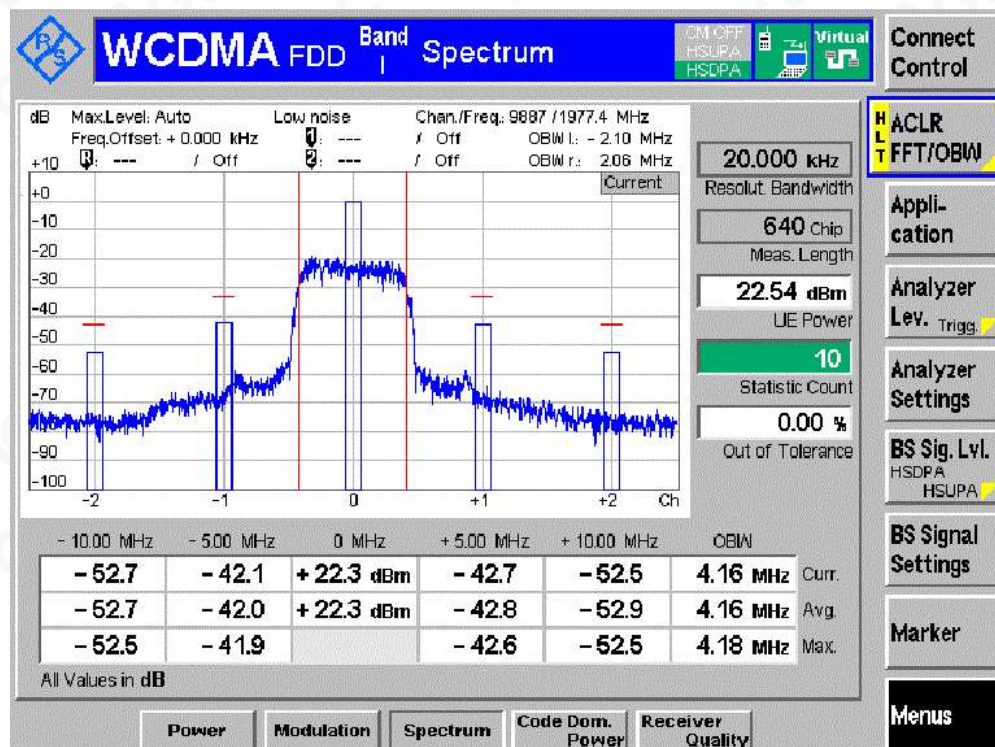
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 3



Sub-test 4



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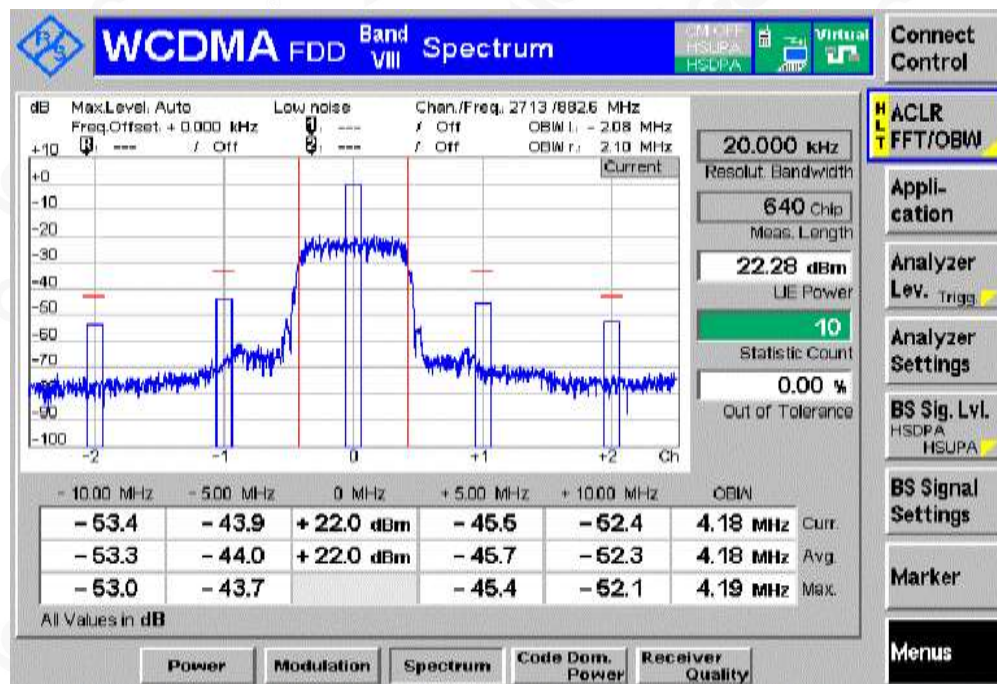
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
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BAND VIII

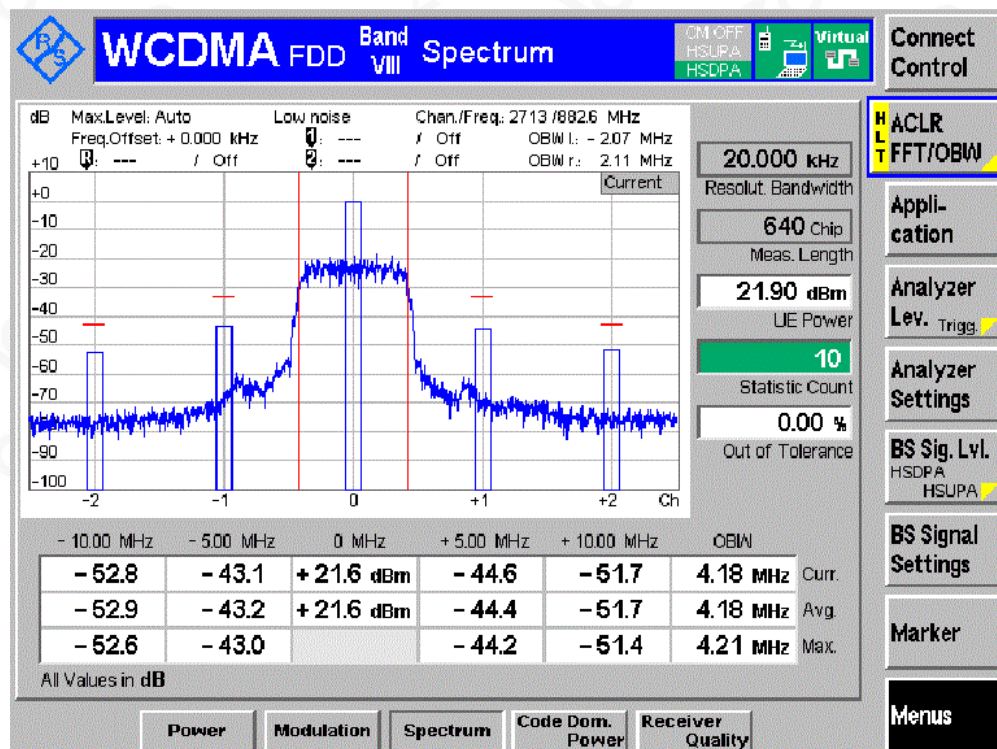
TNPN

Channel LCH

Sub-test 1



Sub-test 2



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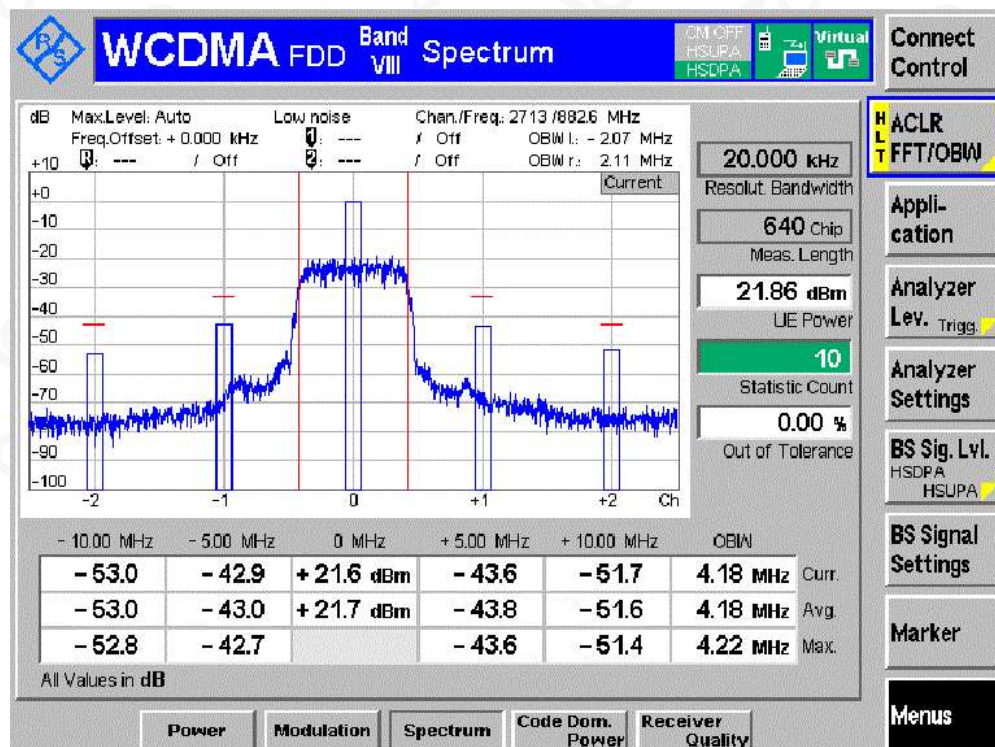
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

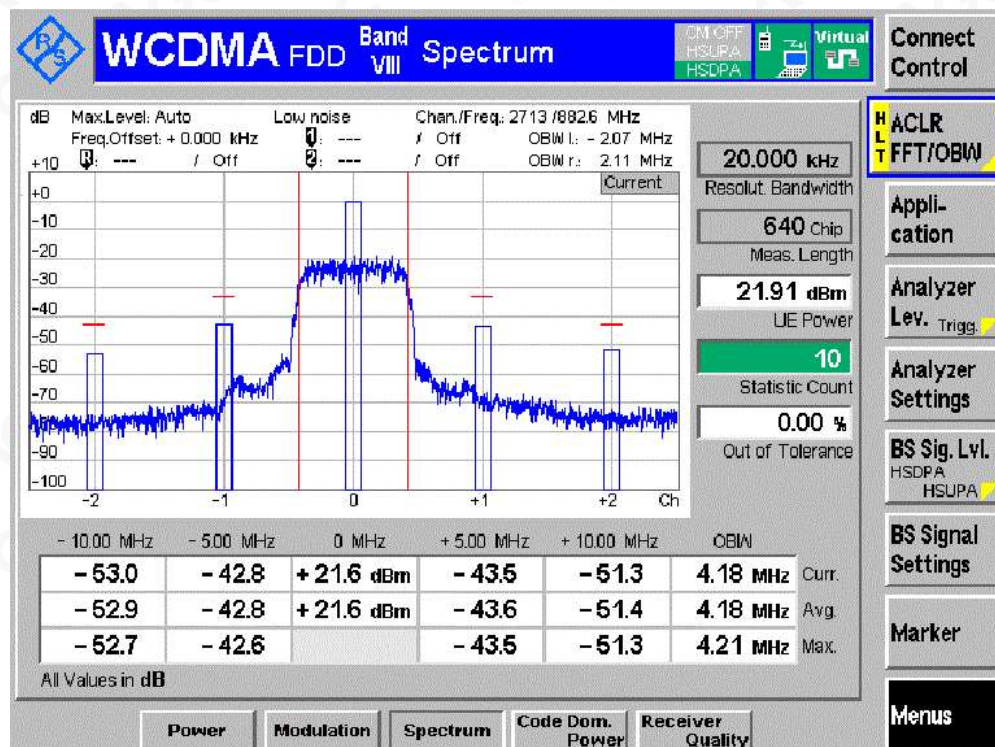
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Service Hotline:400 089 2118

Sub-test 3



Sub-test 4

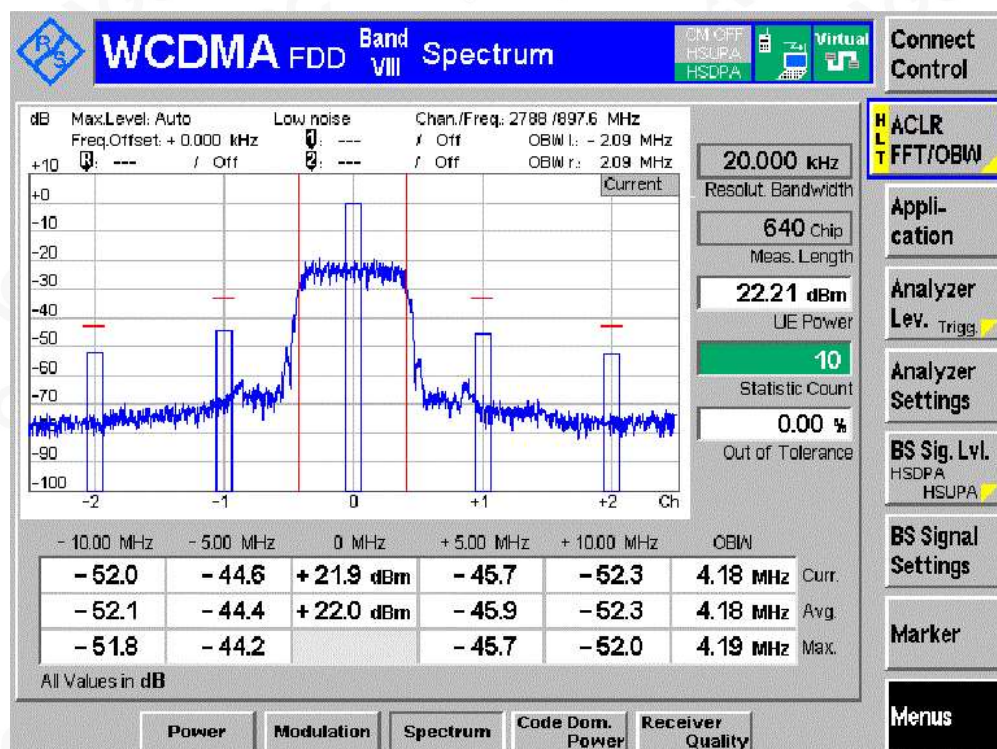


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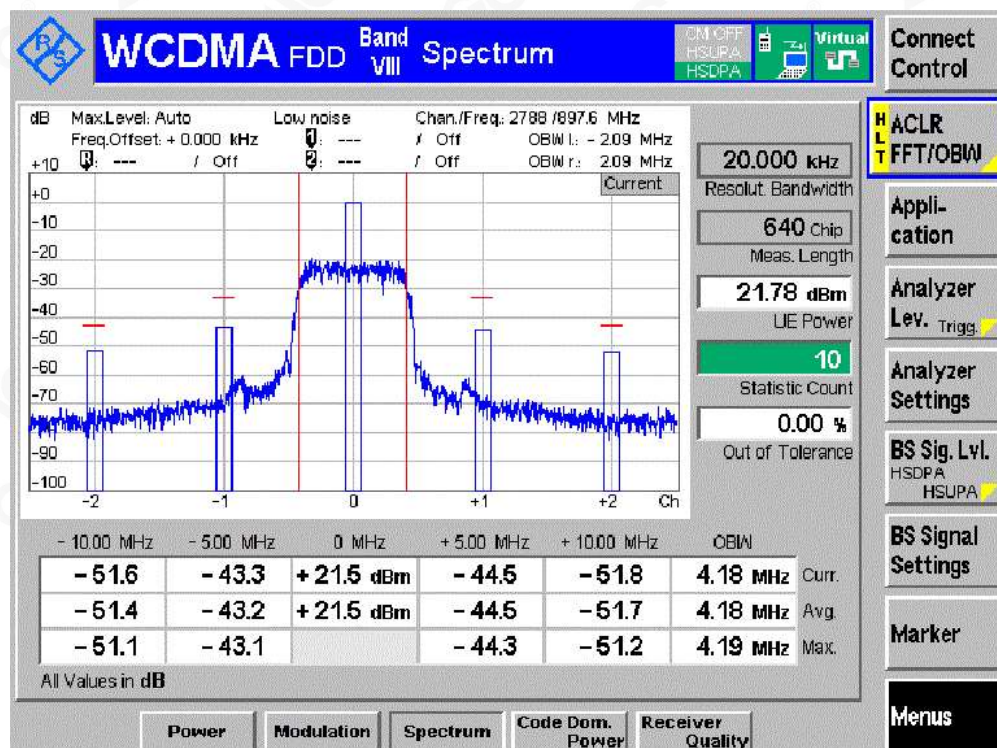
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
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Channel MCH

Sub-test 1



Sub-test 2



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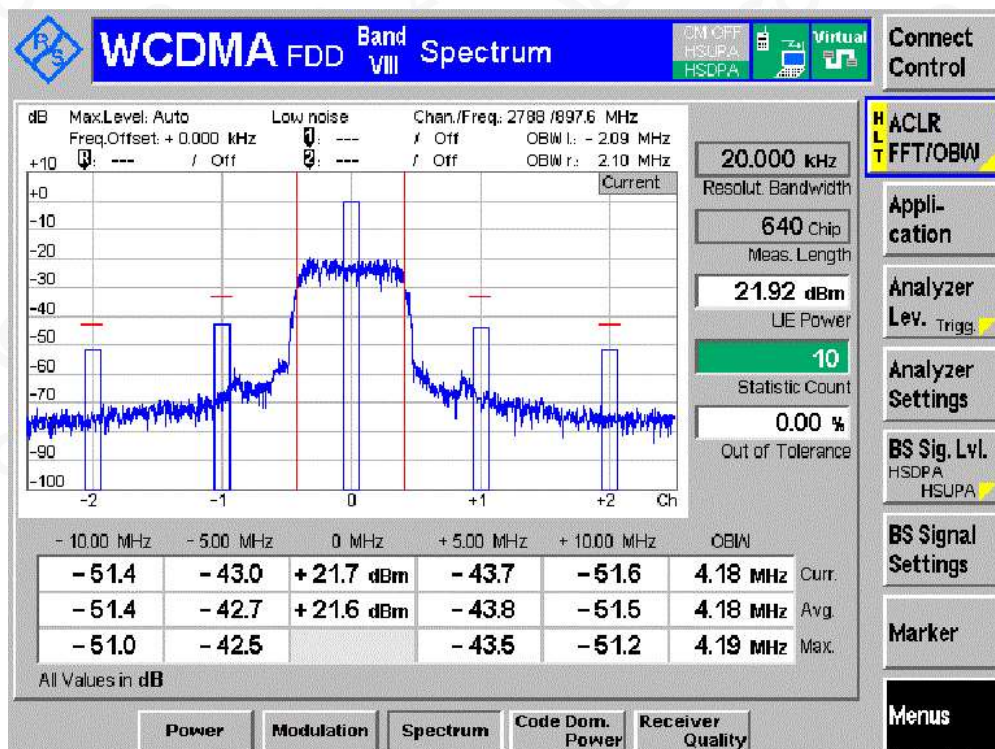
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

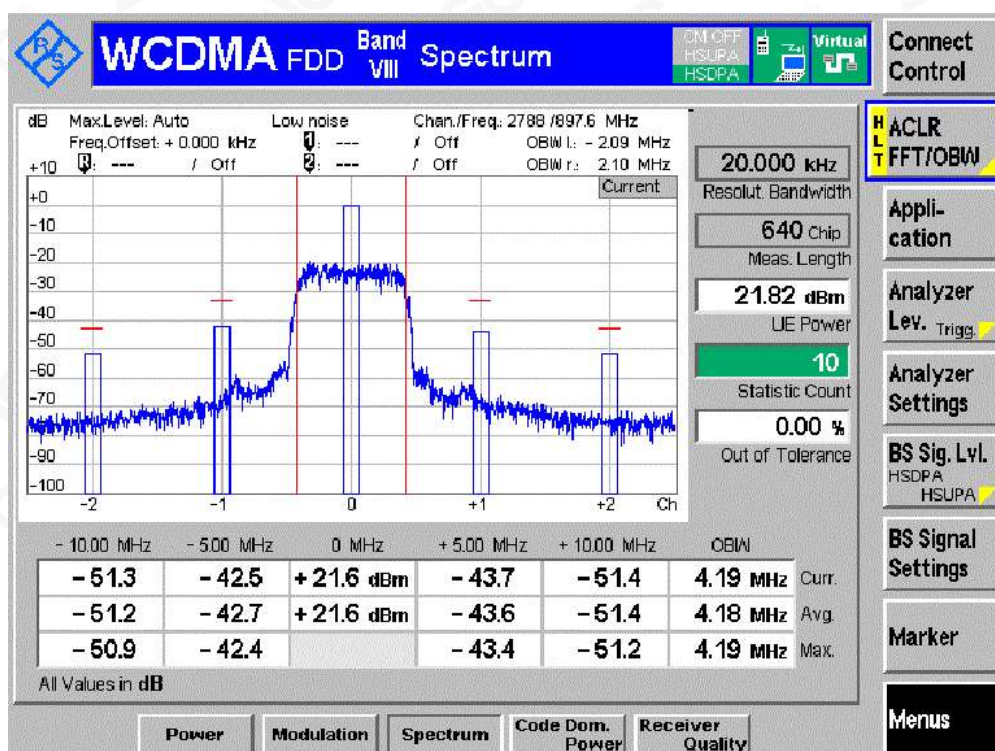
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 3



Sub-test 4



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Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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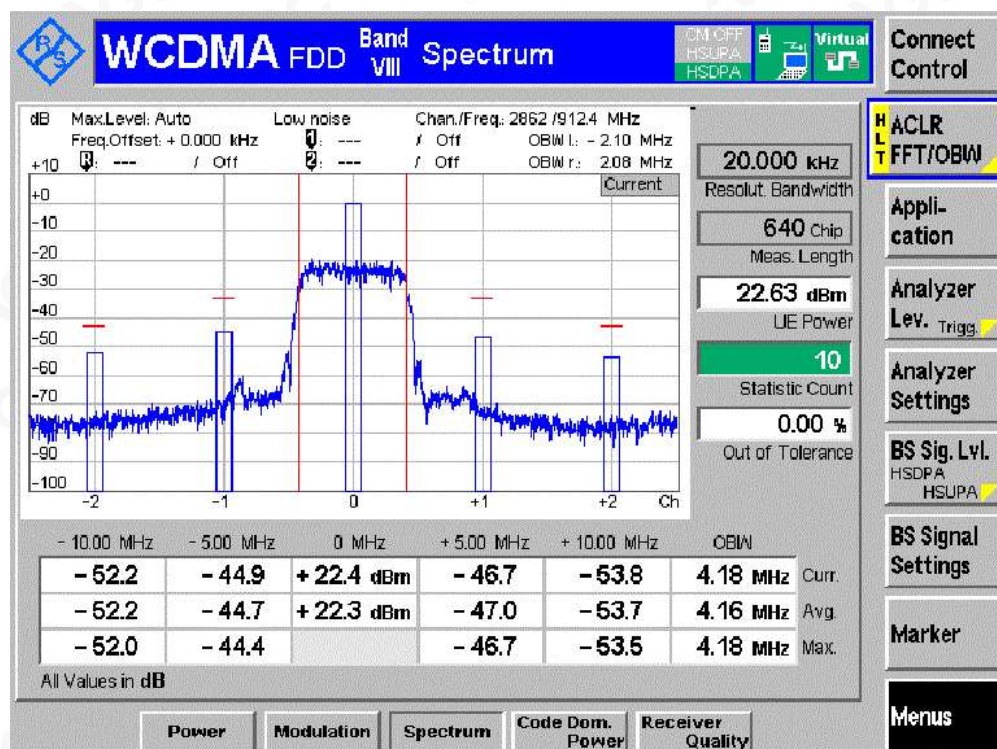
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

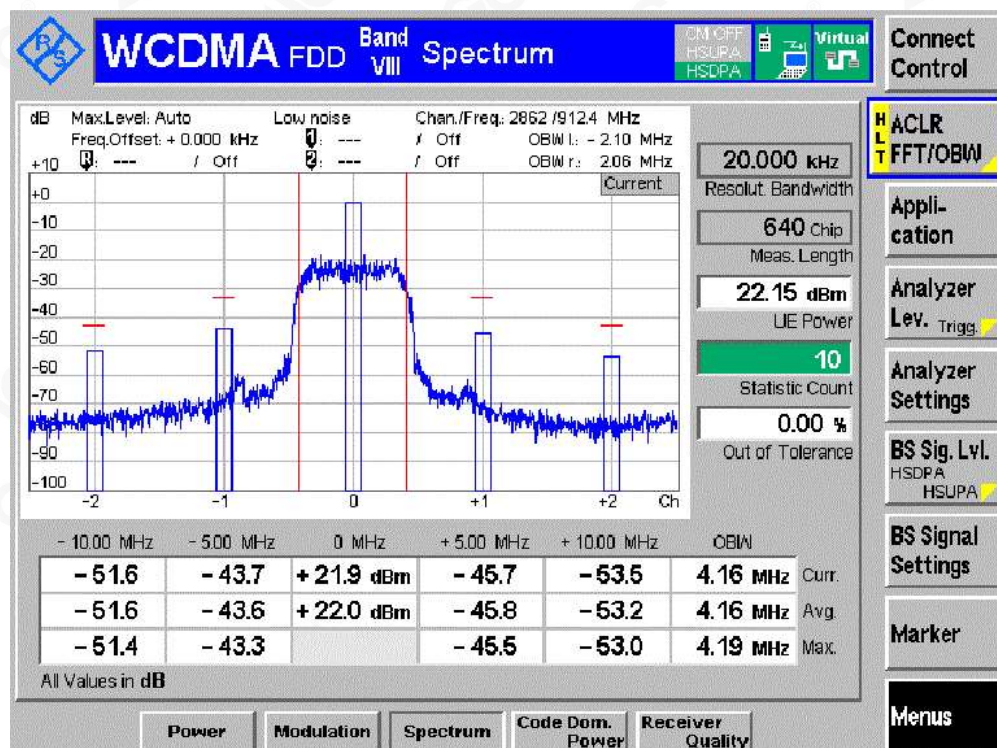
Service Hotline:400 089 2118

Channel HCH

Sub-test 1



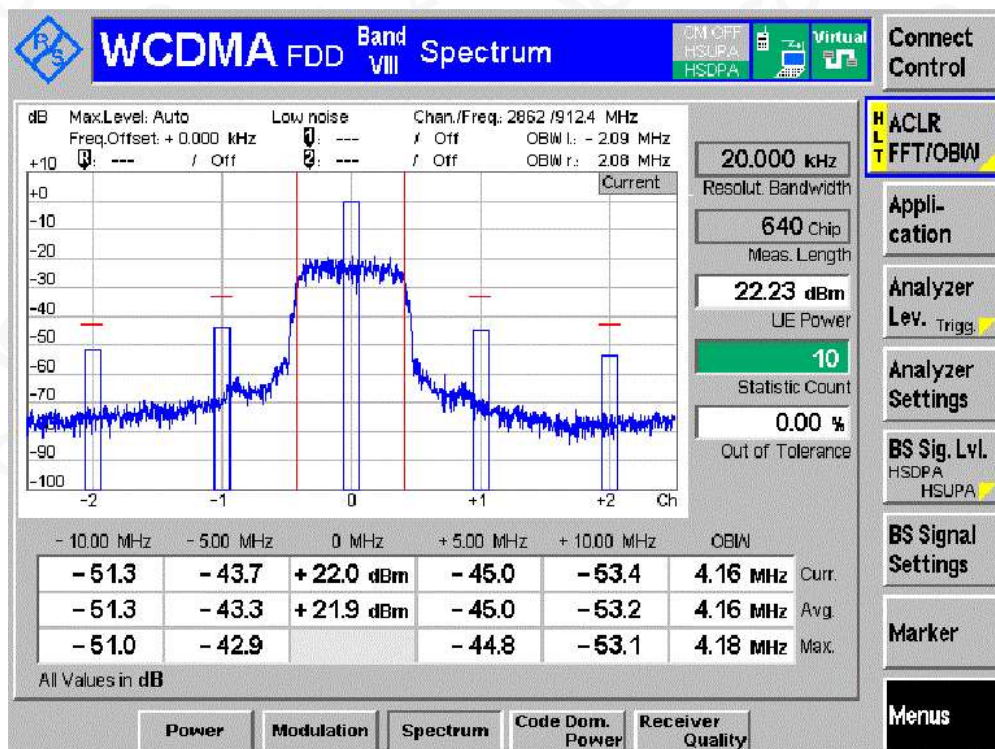
Sub-test 2



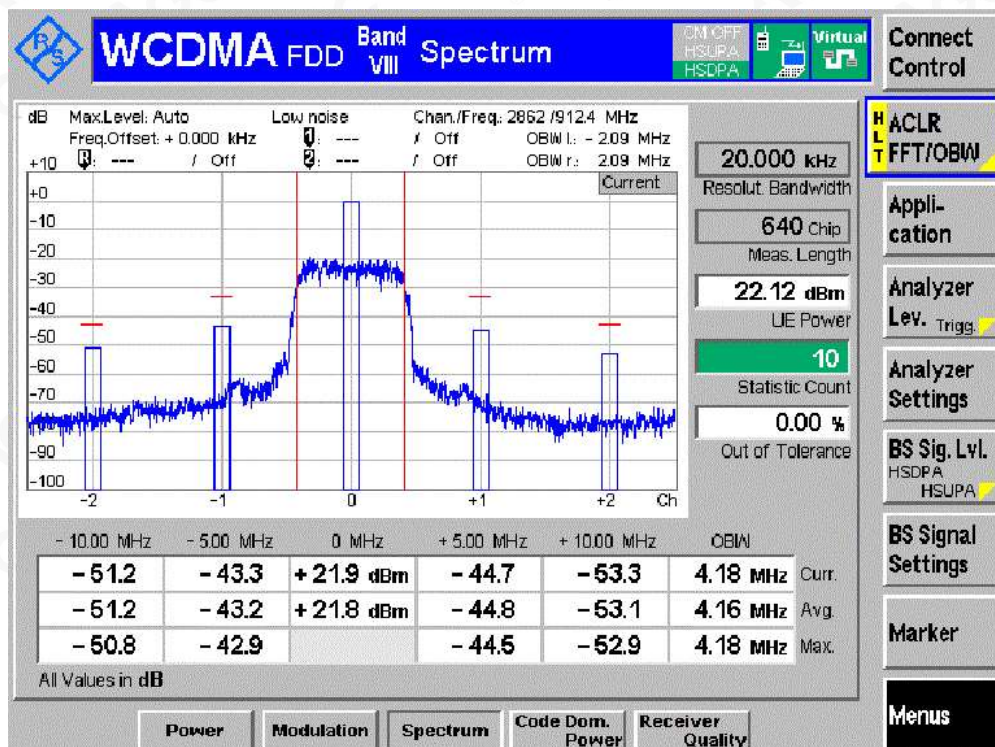
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Sub-test 3



Sub-test 4



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Appendix I. Transmitter maximum output power with HS-DPCCH and E-DCH

Note: All the modes had been tested, but only the worst data recorded in the report.

Operating Band	Test Conditions	Test Channel	Sub-test	Measurement Data(dBm)	Limit(dBm)	Result
Band I	TNVN	LCH	1	21.69	+24(+1.7/-6.7)	Pass
			2	21.83	+22(+3.7/-5.2)	Pass
			3	22.75	+23(+2.7/-5.2)	Pass
			4	21.21	+22(+3.7/-5.2)	Pass
			5	20.65	+24(+1.7/-3.7)	Pass
		MCH	1	21.89	+24(+1.7/-6.7)	Pass
			2	21.90	+22(+3.7/-5.2)	Pass
			3	22.95	+23(+2.7/-5.2)	Pass
			4	21.36	+22(+3.7/-5.2)	Pass
			5	21.05	+24(+1.7/-3.7)	Pass
		HCH	1	21.84	+24(+1.7/-6.7)	Pass
			2	22.10	+22(+3.7/-5.2)	Pass
			3	22.92	+23(+2.7/-5.2)	Pass
			4	21.39	+22(+3.7/-5.2)	Pass
			5	20.82	+24(+1.7/-3.7)	Pass

Operating Band	Test Conditions	Test Channel	Sub-test	Measurement Data(dBm)	Limit(dBm)	Result
Band VIII	TNVN	LCH	1	20.19	+24(+1.7/-6.7)	Pass
			2	20.23	+22(+3.7/-5.2)	Pass
			3	21.19	+23(+2.7/-5.2)	Pass
			4	19.64	+22(+3.7/-5.2)	Pass
			5	21.40	+24(+1.7/-3.7)	Pass
		MCH	1	20.06	+24(+1.7/-6.7)	Pass
			2	20.16	+22(+3.7/-5.2)	Pass



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			3	21.14	+23(+2.7/-5.2)	Pass
			4	19.61	+22(+3.7/-5.2)	Pass
			5	21.47	+24(+1.7/-3.7)	Pass
		HCH	1	20.42	+24(+1.7/-6.7)	Pass
			2	20.48	+22(+3.7/-5.2)	Pass
			3	21.47	+23(+2.7/-5.2)	Pass
			4	19.88	+22(+3.7/-5.2)	Pass
			5	21.44	+24(+1.7/-3.7)	Pass



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Appendix J. Transmitter spectrum emission mask with HS-DPCCH and E-DCH

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band I	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS
		5	PASS	PASS	PASS

Operating Band	Test Conditions	Sub-test	Test Channel		
			LCH	MCH	HCH
Band VIII	TNVN	1	PASS	PASS	PASS
		2	PASS	PASS	PASS
		3	PASS	PASS	PASS
		4	PASS	PASS	PASS
		5	PASS	PASS	PASS



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Tel: +86-755 2523 4088

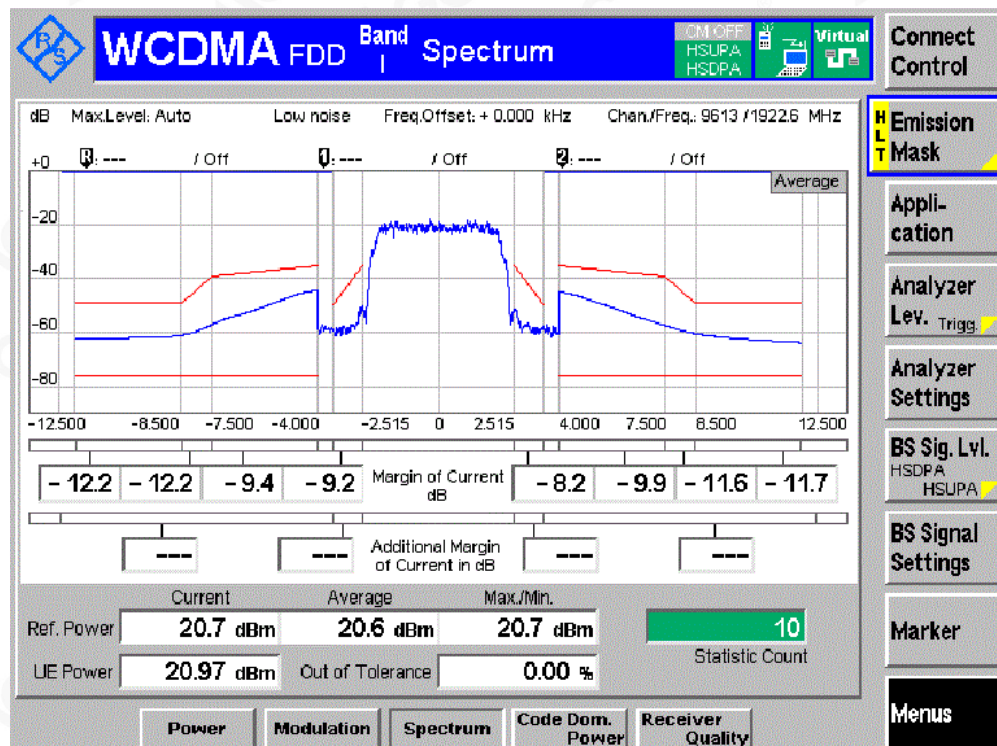
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

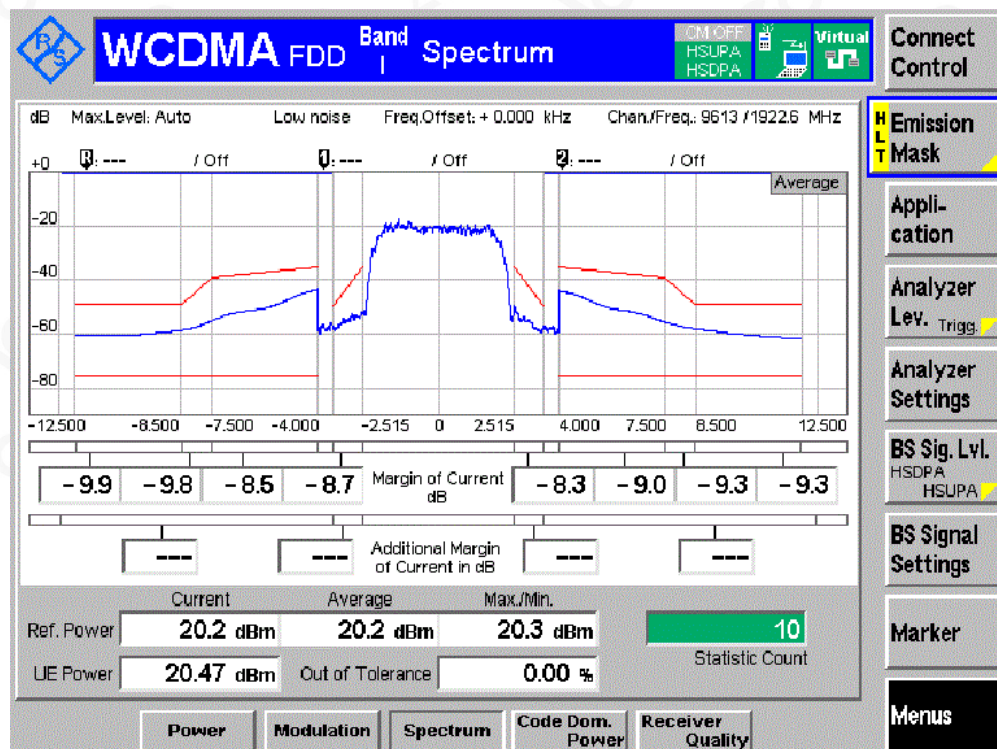
BAND 1

Channel LCH

Sub-test 1



Sub-test 2



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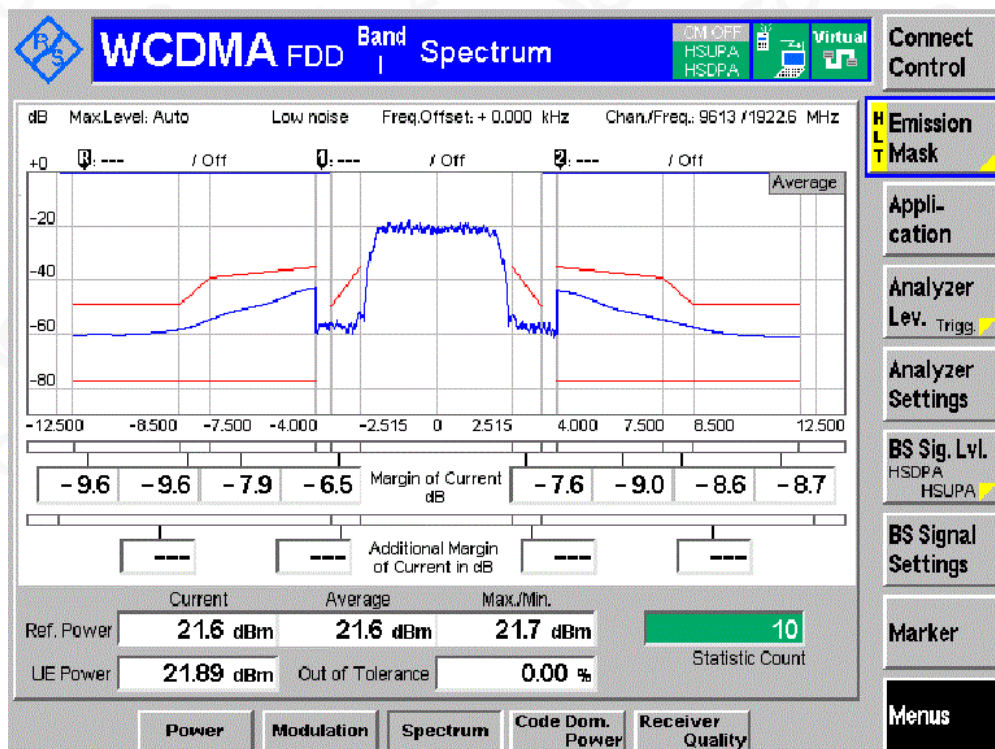
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

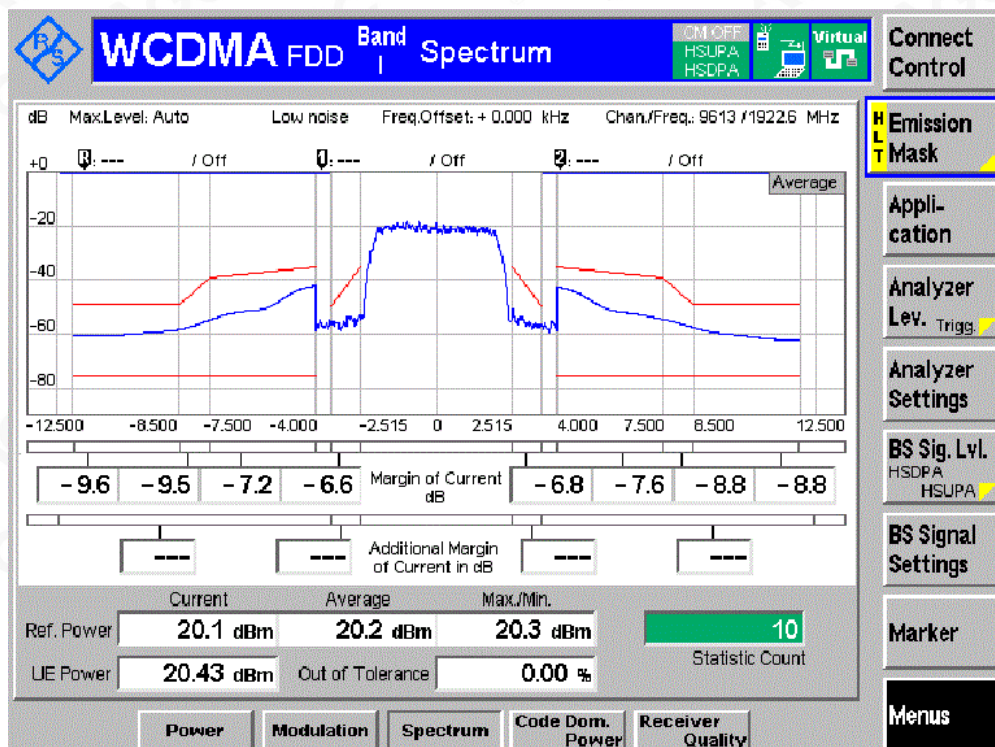
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 3



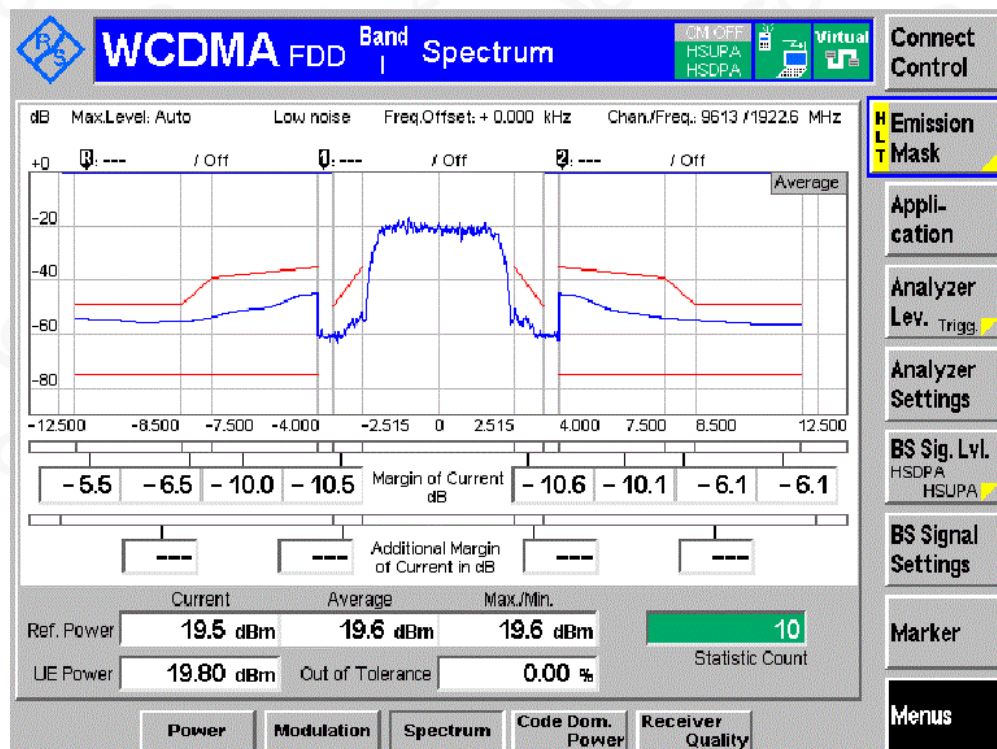
Sub-test 4



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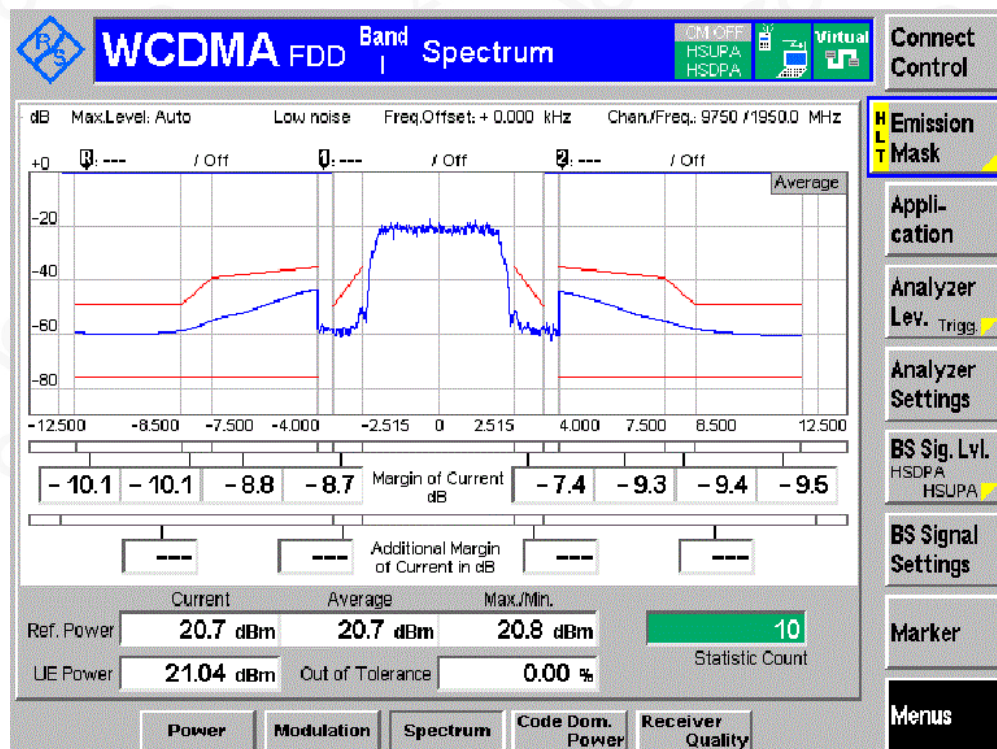
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

Sub-test 5



Channel MCH

Sub-test 1



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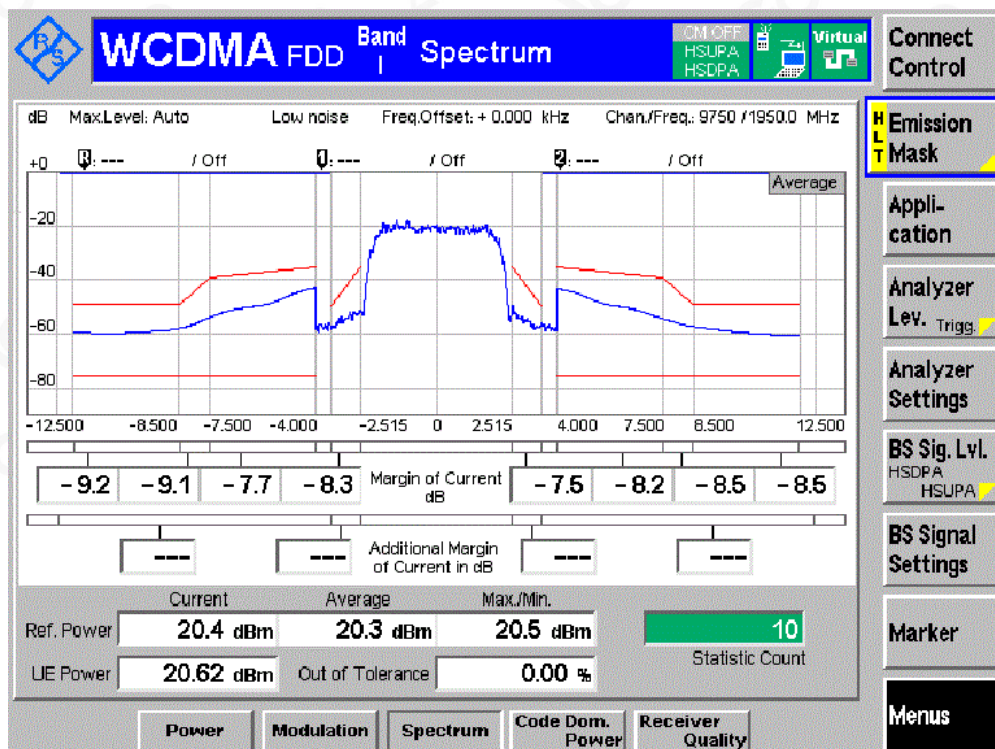
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

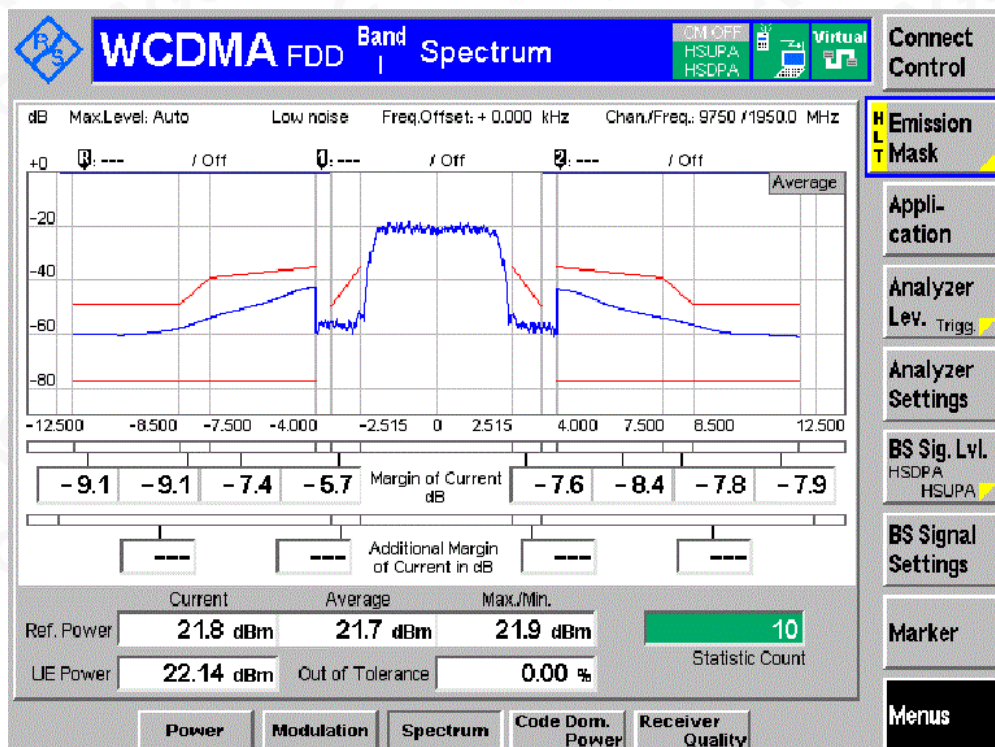
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 2



Sub-test 3



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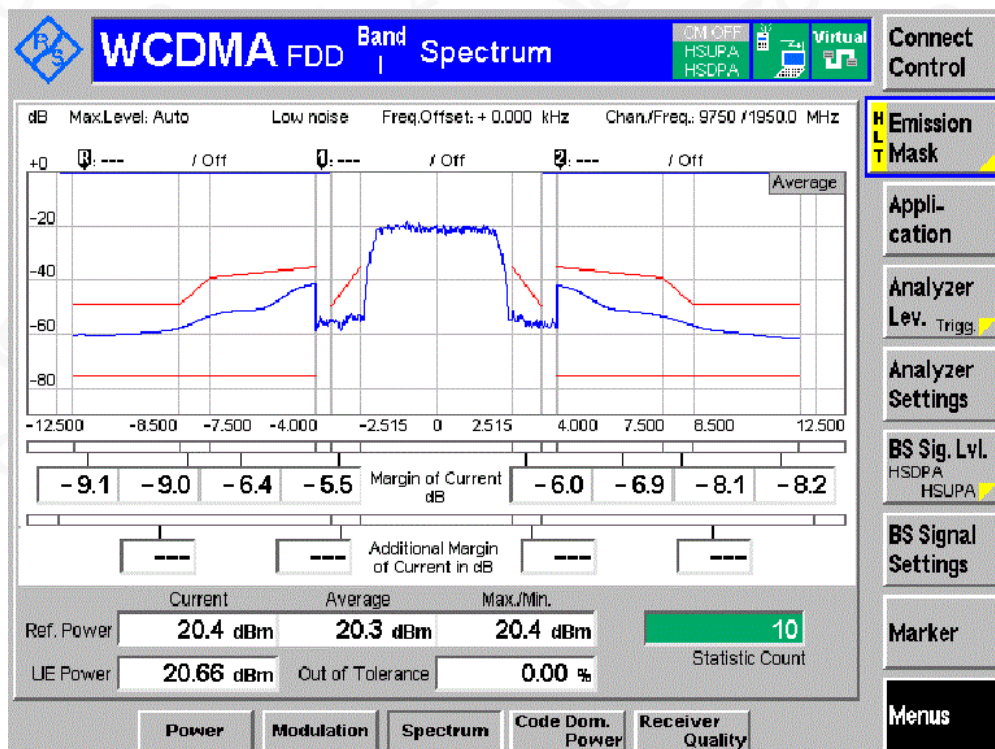
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

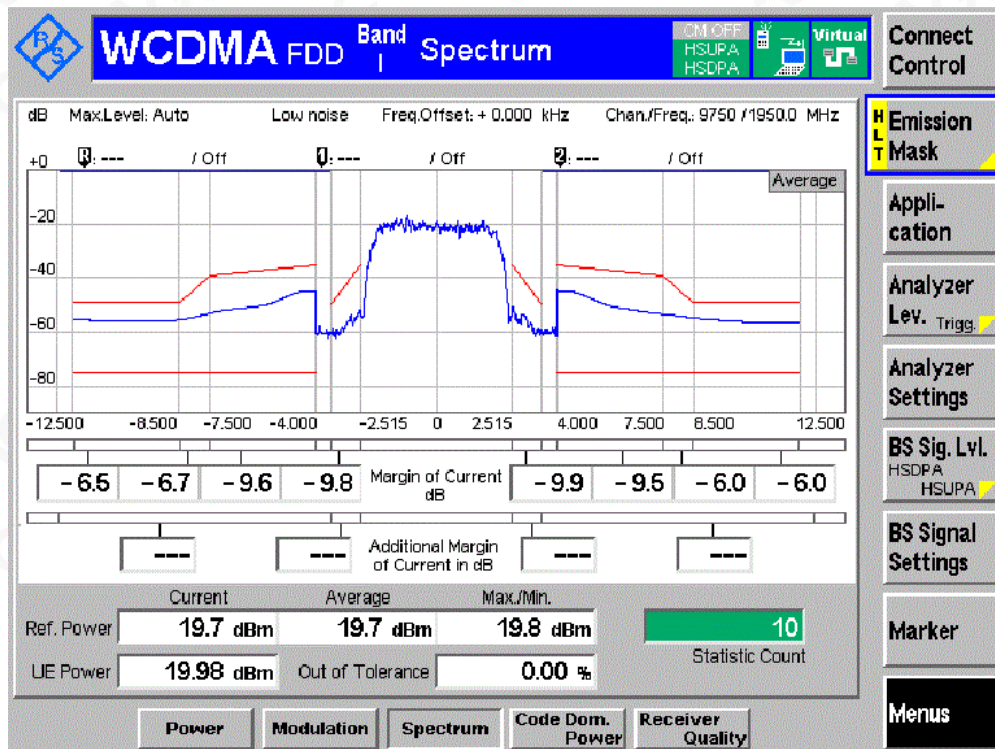
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 4



Sub – test 5



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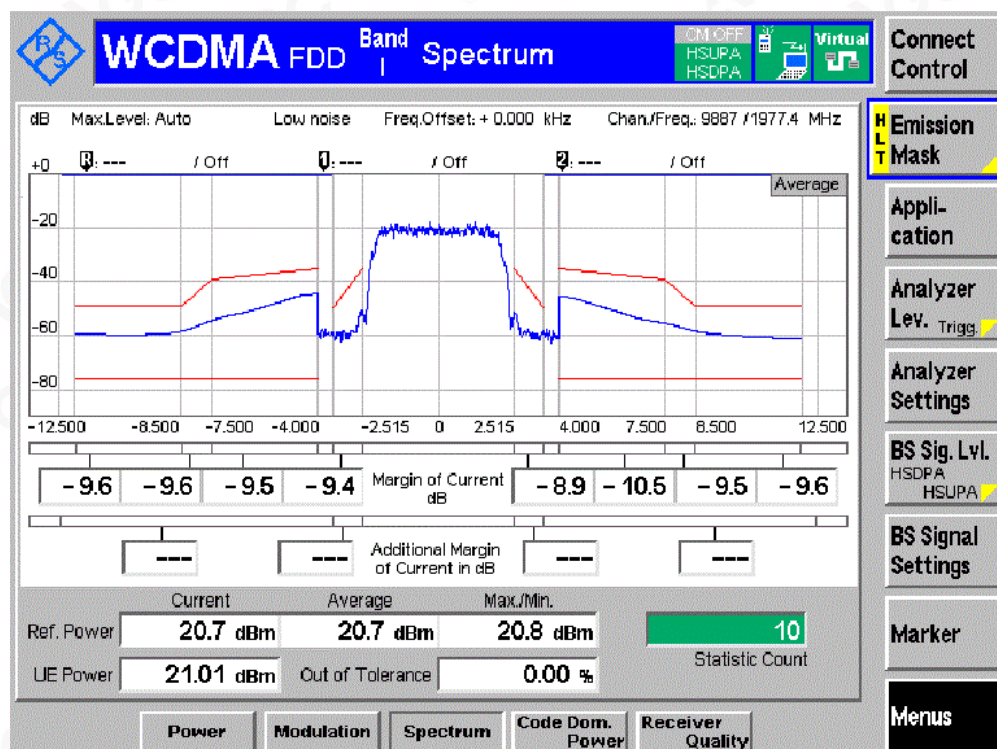
Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

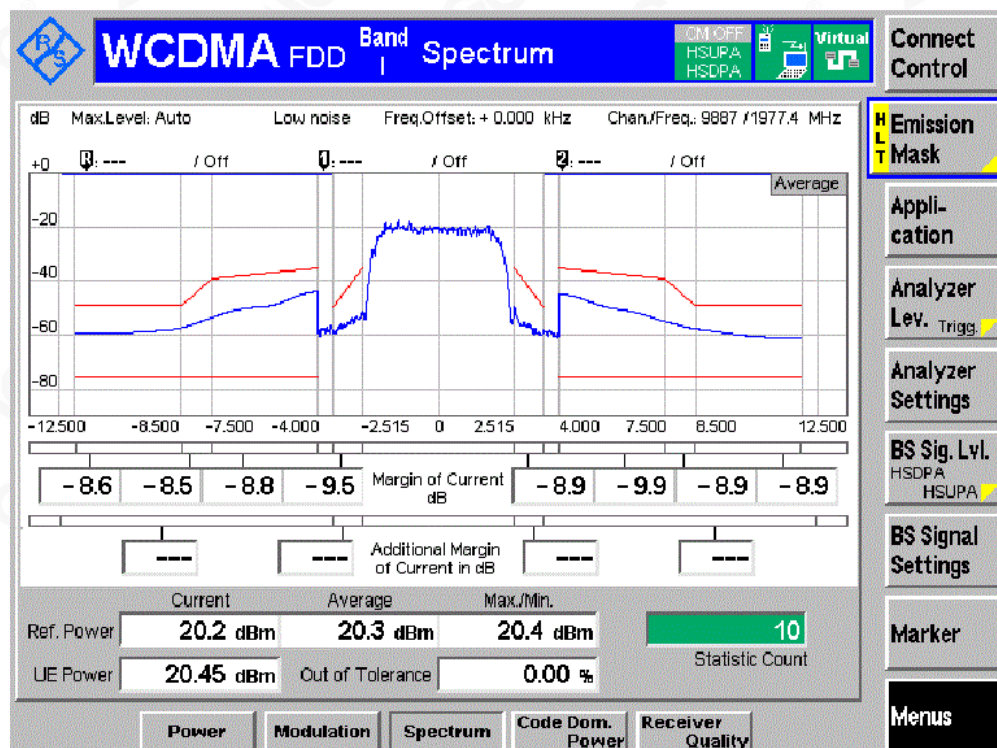
Service Hotline:400 089 2118

Channel HCH

Sub-test 1



Sub-test 2



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

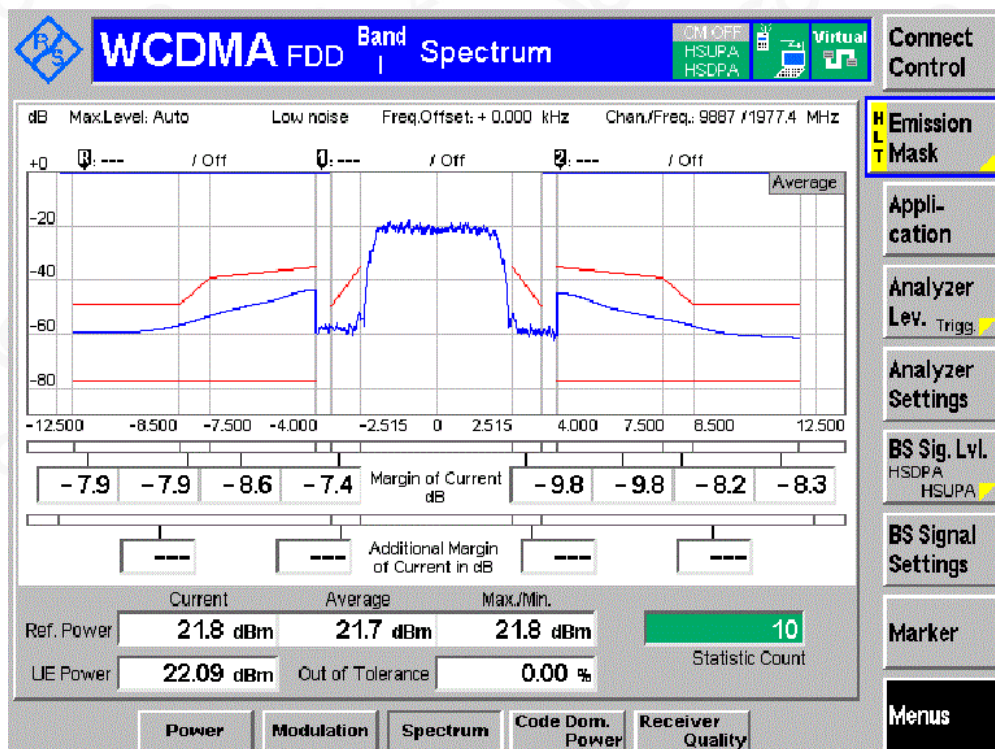
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

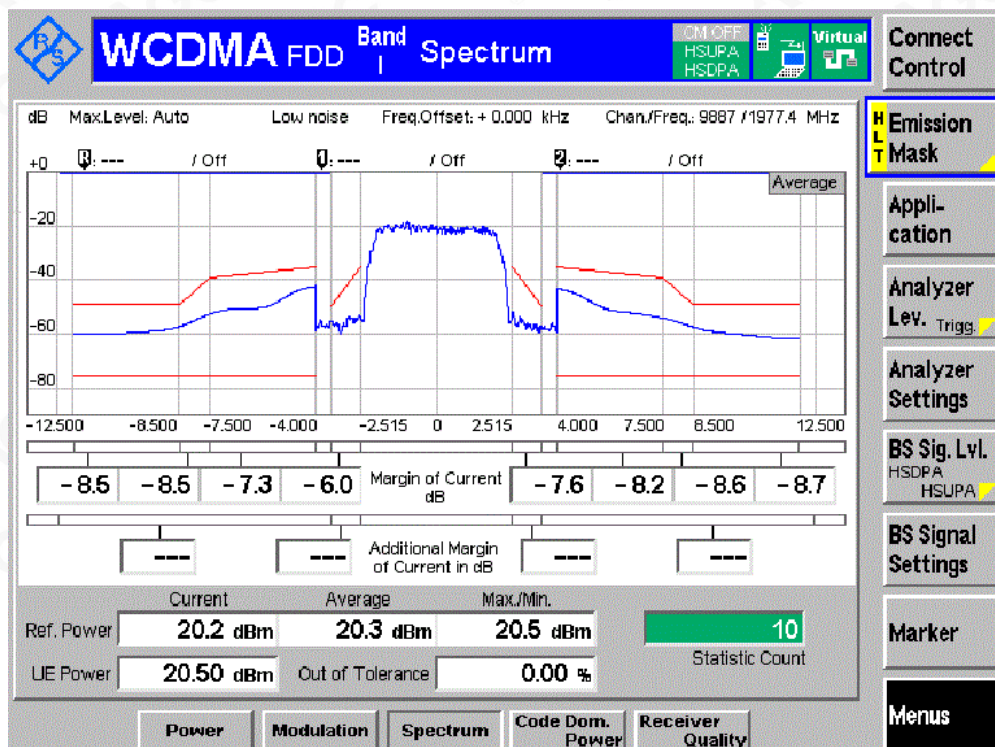
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 3



Sub-test 4



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

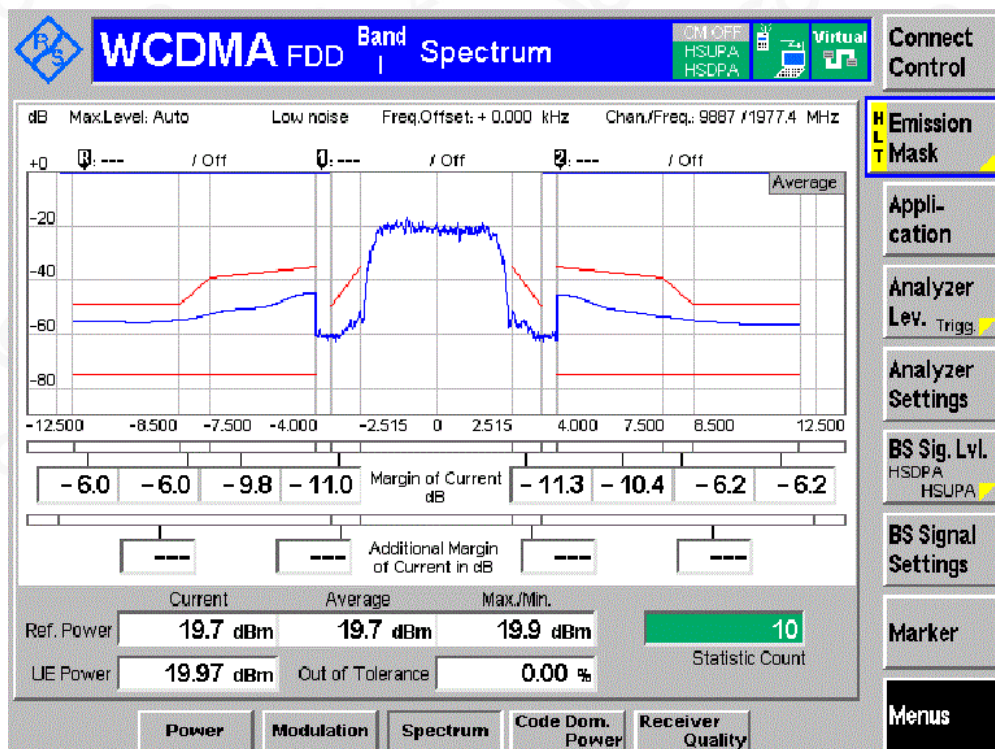
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

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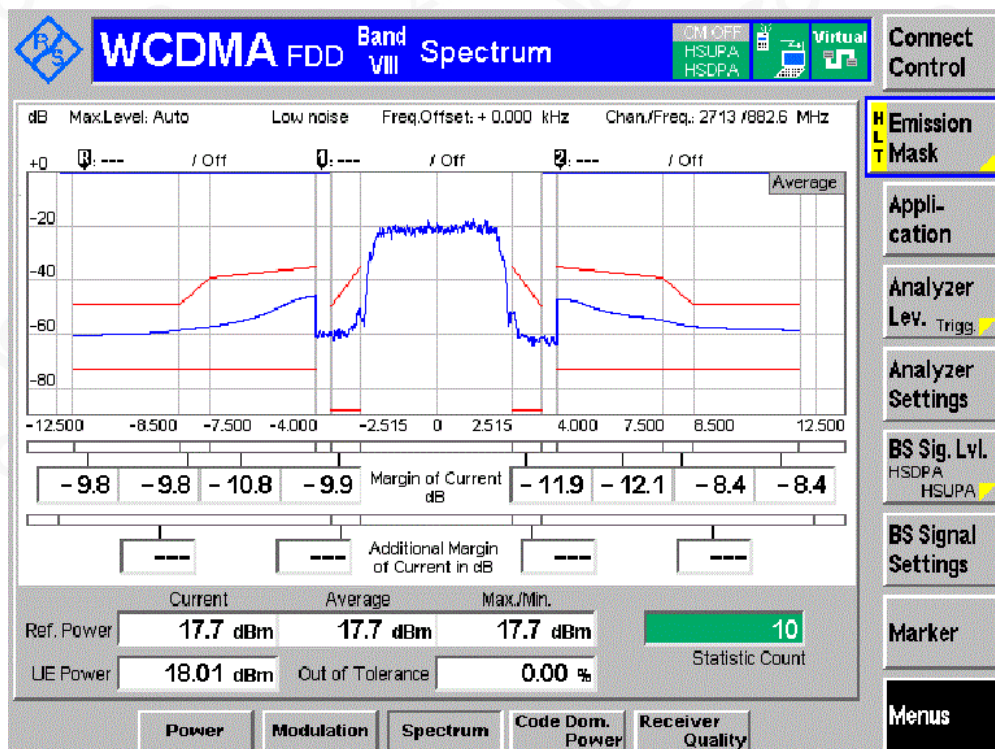
Sub-test 5



BAND VIII

Channel LCH

Sub-test 1



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

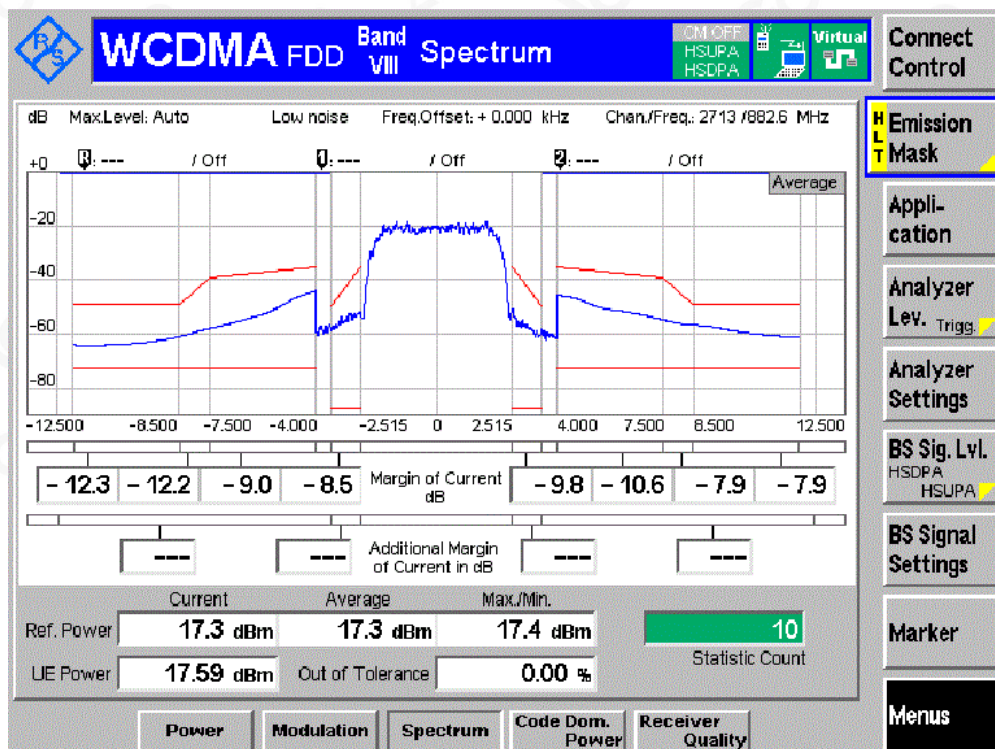
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

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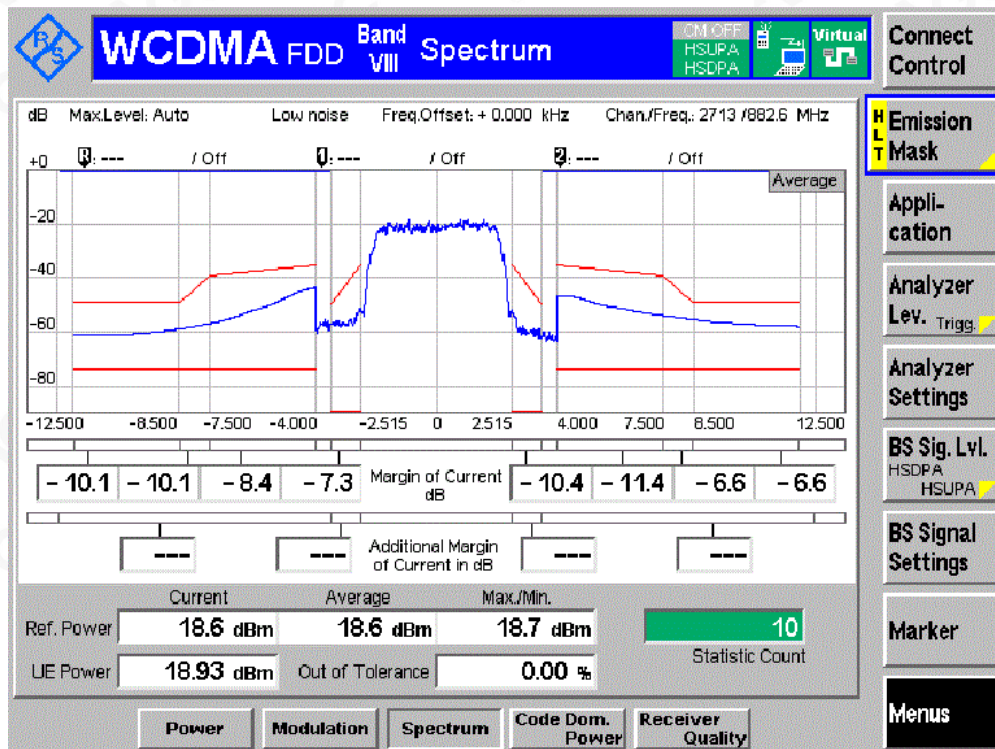
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 2



Sub-test 3



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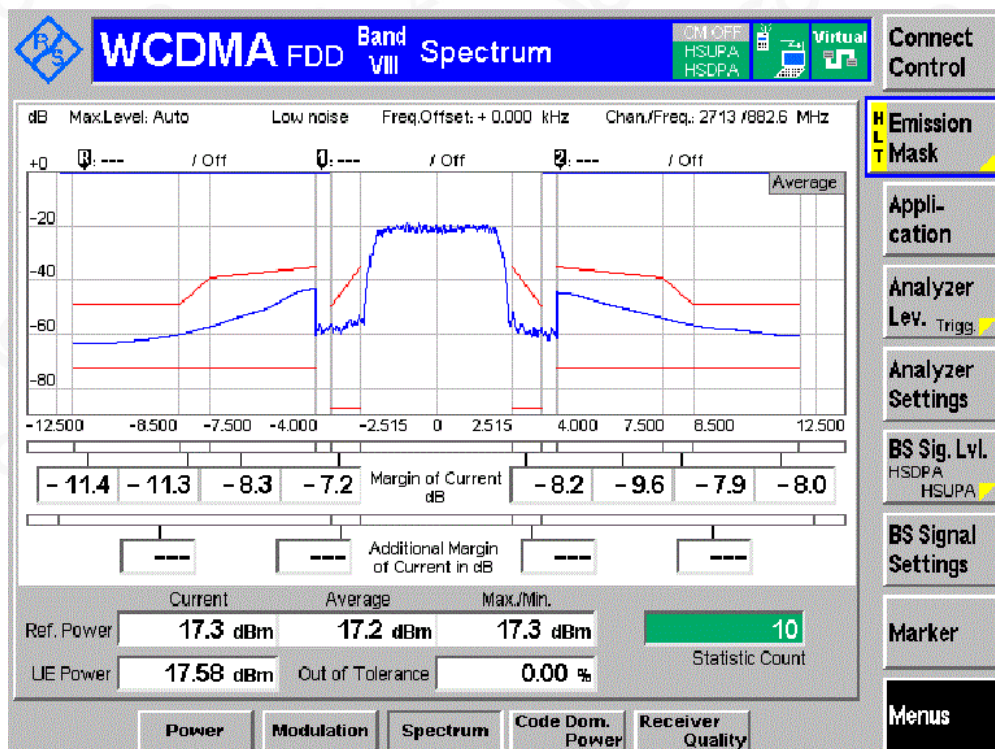
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

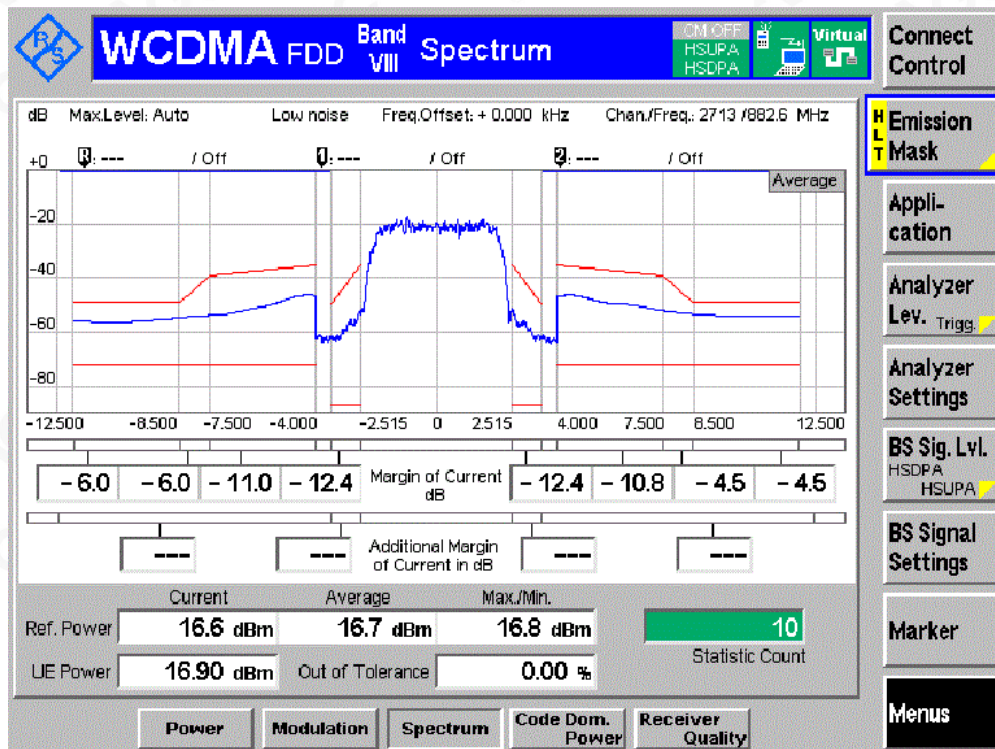
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Sub-test 4



Sub-test 5



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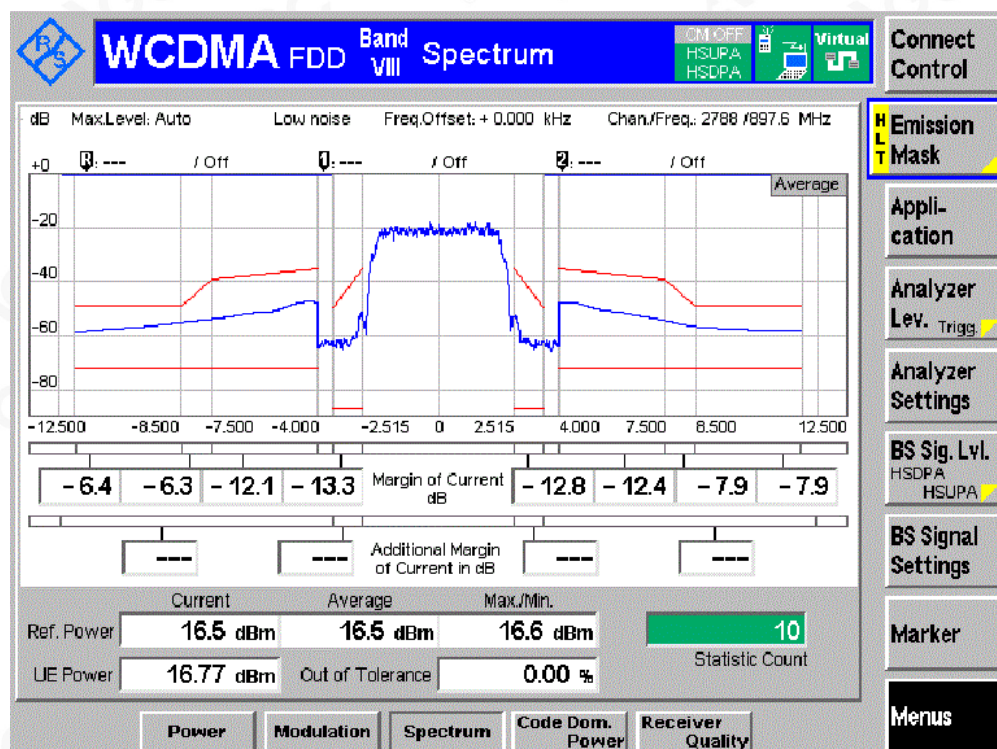
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E-mail: agc@agc-cert.com

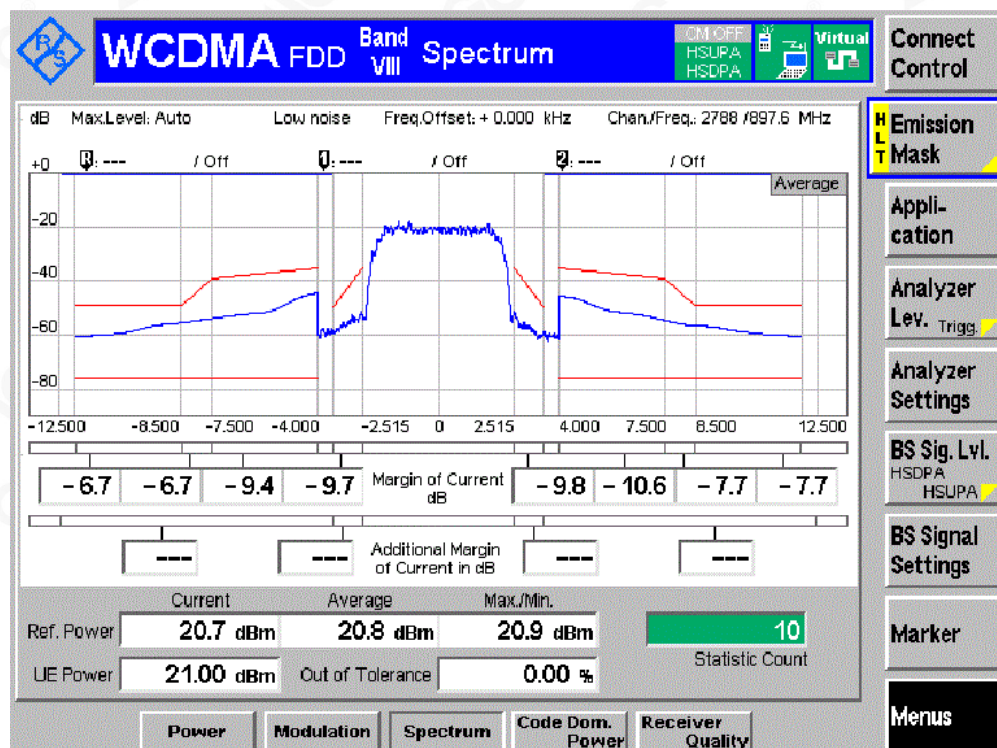
Service Hotline:400 089 2118

Channel MCH

Sub-test 1



Sub-test 2



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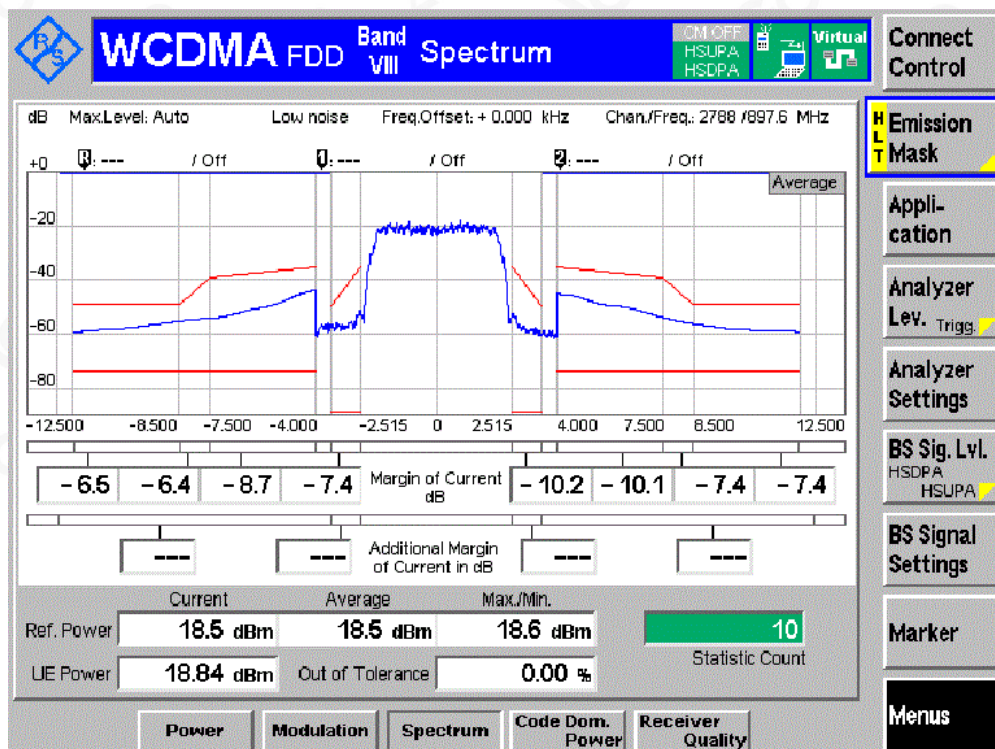
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Tel: +86-755 2523 4088

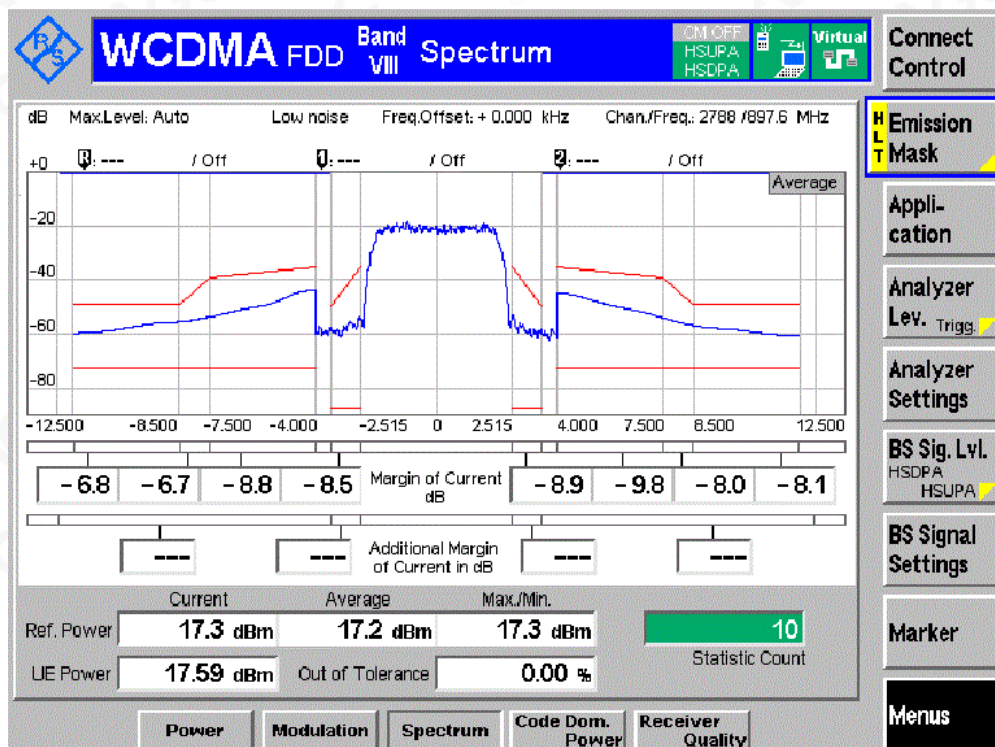
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Sub-test 3



Sub-test 4



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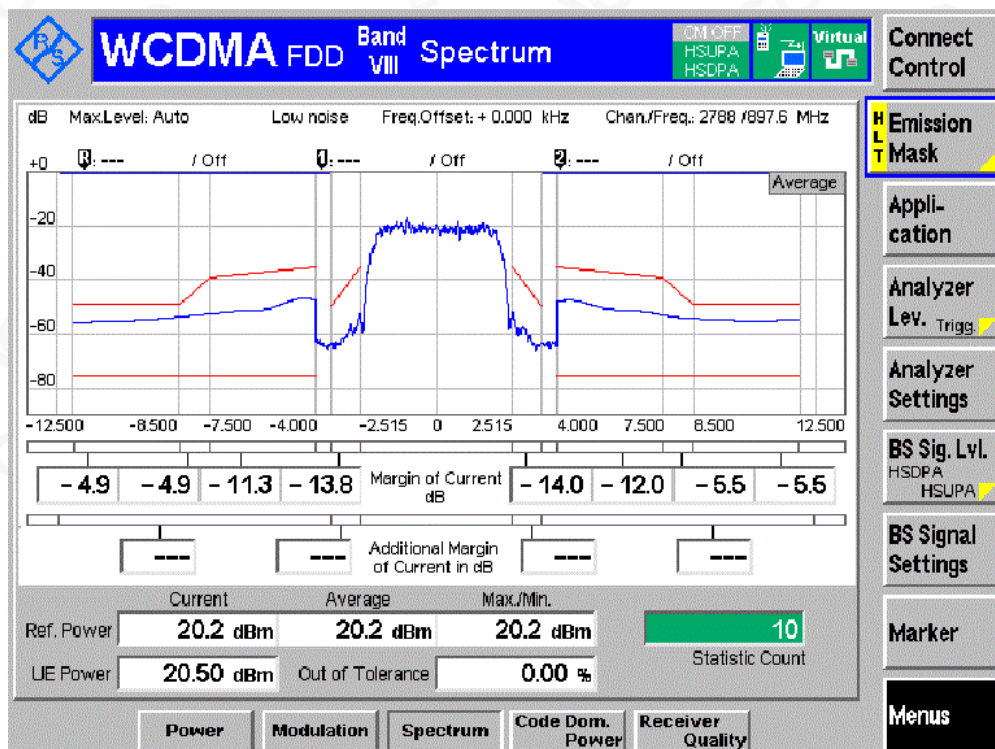
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

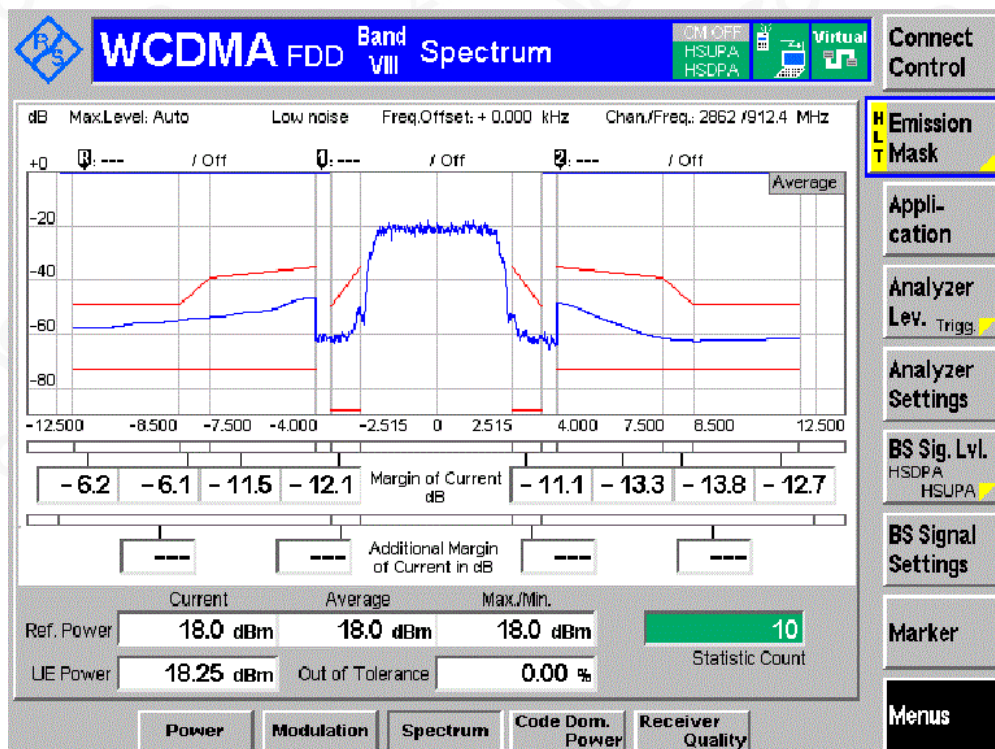
Service Hotline:400 089 2118

Sub-test 5



Channel HCH

Sub-test 1



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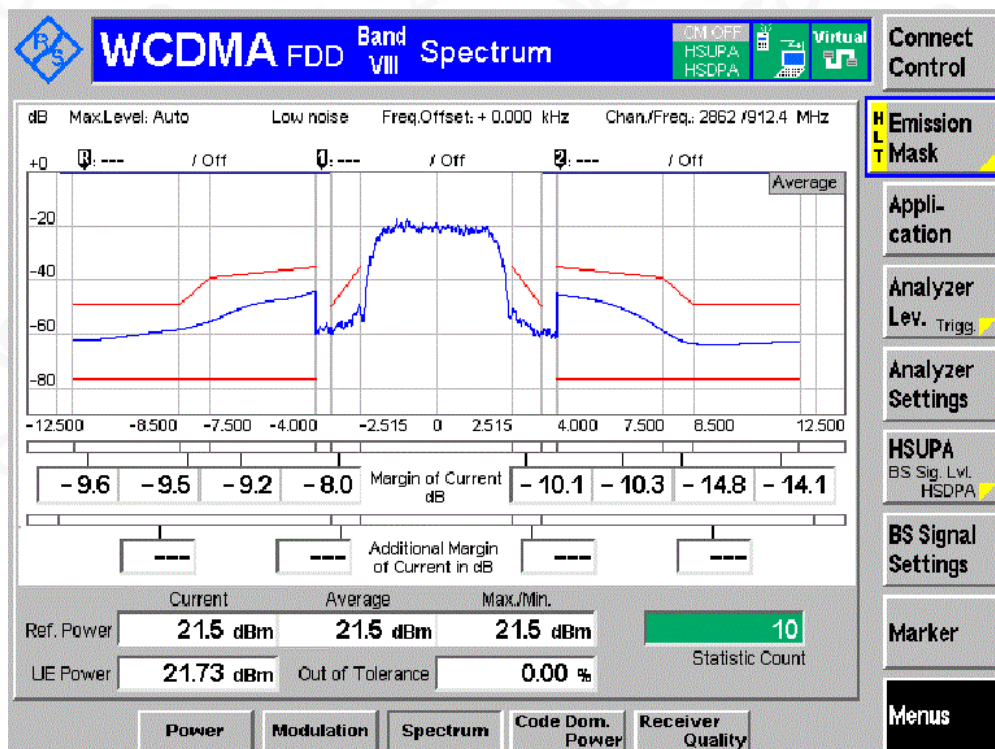
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Tel: +86-755 2523 4088

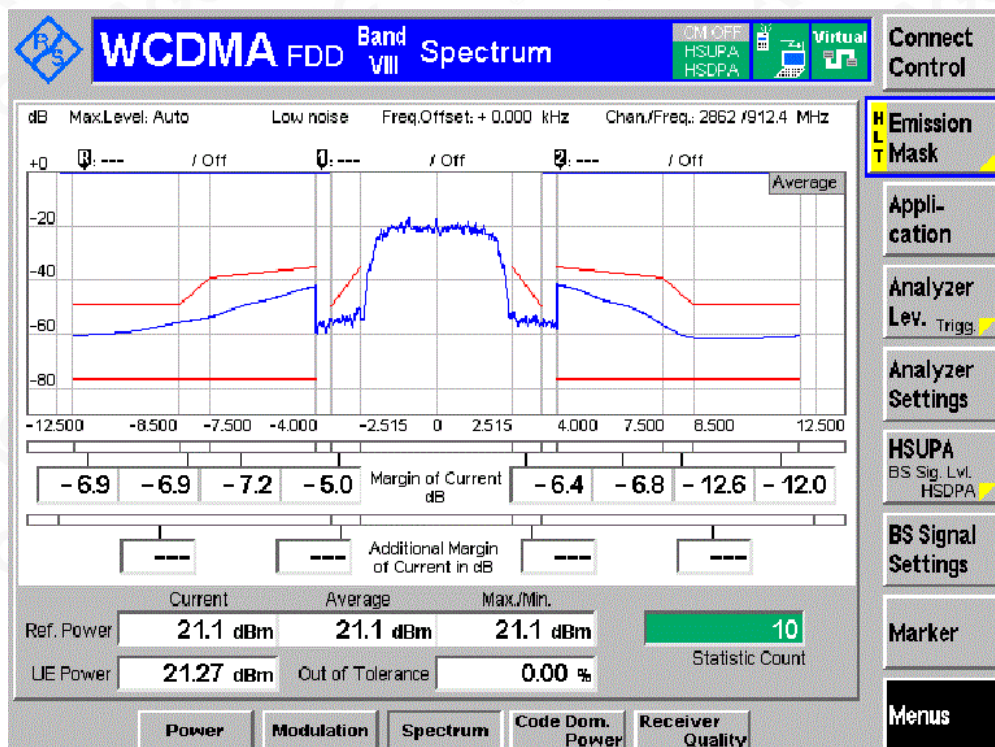
E-mail: agc@agc-cert.com

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Sub-test 2



Sub-test 3



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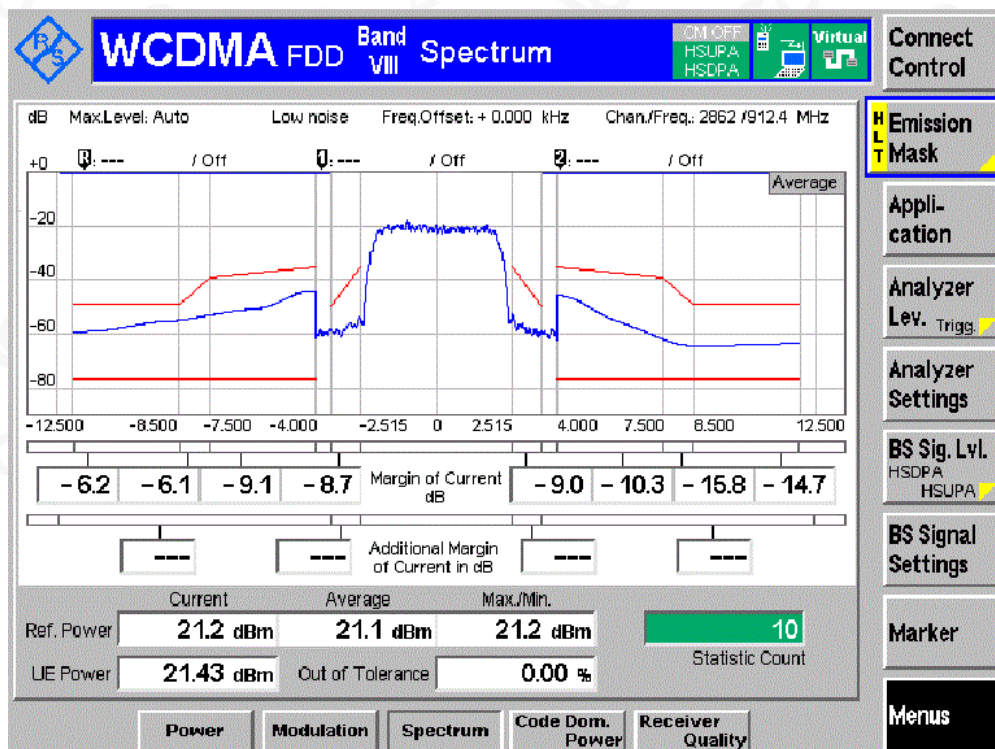
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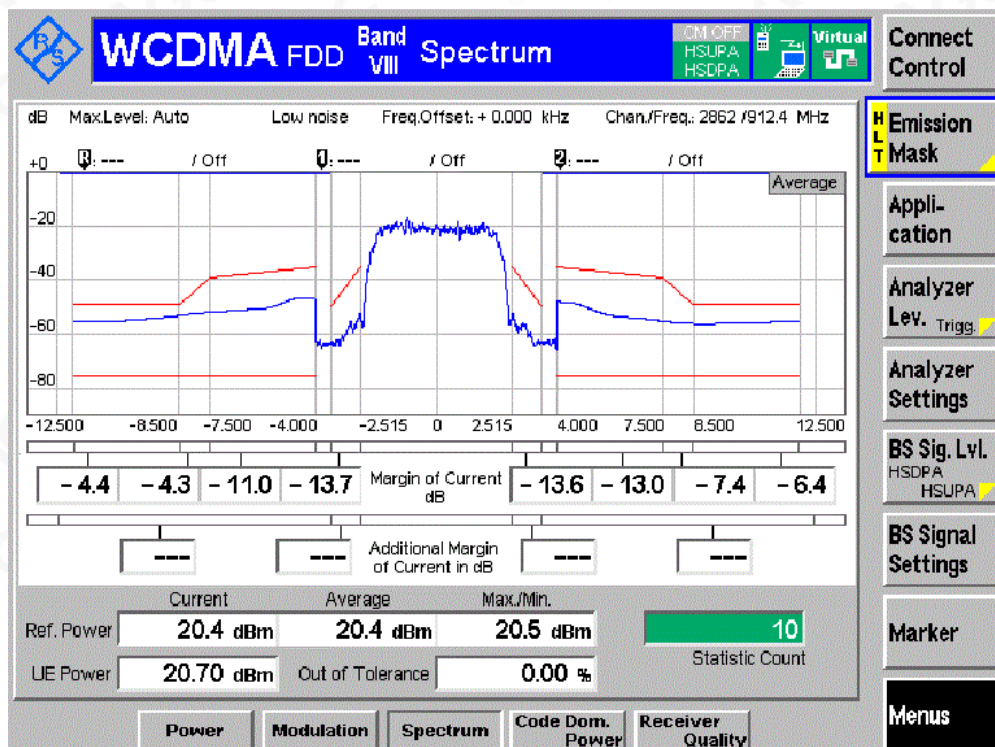
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Sub-test 5



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Appendix K. Transmitter adjacent channel leakage power ratio with HS-DPPCH and E-DCH

Note: All the modes had been tested, but only the worst data recorded in the report.

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band I	TNVN	LCH	1	+5MHz	-41.52	-32.2	Pass
				-5 MHz	-41.16	-32.2	Pass
				-10MHz	-56.46	-42.2	Pass
				+10MHz	-56.68	-42.2	Pass
			2	+5MHz	-40.86	-32.2	Pass
				-5 MHz	-40.13	-32.2	Pass
				-10MHz	-54.48	-42.2	Pass
				+10MHz	-54.48	-42.2	Pass
			3	+5MHz	-40.54	-32.2	Pass
				-5 MHz	-39.62	-32.2	Pass
				-10MHz	-54.27	-42.2	Pass
				+10MHz	-54.15	-42.2	Pass
			4	+5MHz	-39.84	-32.2	Pass
				-5 MHz	-39.15	-32.2	Pass
				-10MHz	-54.50	-42.2	Pass
				+10MHz	-54.55	-42.2	Pass
			5	+5MHz	-41.75	-32.2	Pass
				-5 MHz	-41.63	-32.2	Pass
				-10MHz	-49.92	-42.2	Pass
				+10MHz	-50.43	-42.2	Pass
		MCH	1	+5MHz	-40.87	-32.2	Pass
				-5 MHz	-40.51	-32.2	Pass
				-10MHz	-54.25	-42.2	Pass
				+10MHz	-54.21	-42.2	Pass



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			2	+5MHz	-40.01	-32.2	Pass
				-5 MHz	-39.36	-32.2	Pass
				-10MHz	-52.99	-42.2	Pass
				+10MHz	-53.05	-42.2	Pass
			3	+5MHz	-40.02	-32.2	Pass
				-5 MHz	-39.06	-32.2	Pass
				-10MHz	-54.03	-42.2	Pass
				+10MHz	-53.62	-42.2	Pass
			4	+5MHz	-39.06	-32.2	Pass
				-5 MHz	-38.51	-32.2	Pass
				-10MHz	-54.21	-42.2	Pass
				+10MHz	-53.82	-42.2	Pass
			5	+5MHz	-41.06	-32.2	Pass
				-5 MHz	-41.24	-32.2	Pass
				-10MHz	-50.14	-42.2	Pass
				+10MHz	-50.29	-42.2	Pass
		HCH	1	+5MHz	-42.00	-32.2	Pass
				-5 MHz	-41.05	-32.2	Pass
				-10MHz	-54.03	-42.2	Pass
				+10MHz	-54.56	-42.2	Pass
			2	+5MHz	-41.25	-32.2	Pass
				-5 MHz	-40.11	-32.2	Pass
				-10MHz	-53.99	-42.2	Pass
				+10MHz	-54.27	-42.2	Pass
			3	+5MHz	-41.40	-32.2	Pass
				-5 MHz	-39.97	-32.2	Pass
				-10MHz	-53.54	-42.2	Pass
				+10MHz	-54.23	-42.2	Pass



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			4	+5MHz	-40.27	-32.2	Pass
				-5 MHz	-39.29	-32.2	Pass
				-10MHz	-53.65	-42.2	Pass
				+10MHz	-54.38	-42.2	Pass
			5	+5MHz	-41.98	-32.2	Pass
				-5 MHz	-41.54	-32.2	Pass
				-10MHz	-50.24	-42.2	Pass
				+10MHz	-50.61	-42.2	Pass

Operating Band	Test Conditions	Test Channel	Sub-test	UE Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band VIII	TNVN	LCH	1	+5MHz	-42.93	-32.2	Pass
				-5 MHz	-42.26	-32.2	Pass
				-10MHz	-55.97	-42.2	Pass
				+10MHz	-52.58	-42.2	Pass
			2	+5MHz	-41.93	-32.2	Pass
				-5 MHz	-40.84	-32.2	Pass
				-10MHz	-56.69	-42.2	Pass
				+10MHz	-52.77	-42.2	Pass
			3	+5MHz	-42.95	-32.2	Pass
				-5 MHz	-40.96	-32.2	Pass
				-10MHz	-56.84	-42.2	Pass
				+10MHz	-52.82	-42.2	Pass
			4	+5MHz	-41.17	-32.2	Pass
				-5 MHz	-40.26	-32.2	Pass
				-10MHz	-57.35	-42.2	Pass
				+10MHz	-53.27	-42.2	Pass
			5	+5MHz	-43.33	-32.2	Pass



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				-5 MHz	-43.48	-32.2	Pass
				-10MHz	-50.24	-42.2	Pass
				+10MHz	-49.30	-42.2	Pass
		MCH	1	+5MHz	-43.92	-32.2	Pass
				-5 MHz	-43.94	-32.2	Pass
				-10MHz	-52.61	-42.2	Pass
				+10MHz	-53.63	-42.2	Pass
			2	+5MHz	-42.10	-32.2	Pass
				-5 MHz	-40.96	-32.2	Pass
				-10MHz	-52.21	-42.2	Pass
				+10MHz	-52.84	-42.2	Pass
			3	+5MHz	-42.81	-32.2	Pass
				-5 MHz	-41.30	-32.2	Pass
				-10MHz	-51.17	-42.2	Pass
				+10MHz	-52.78	-42.2	Pass
			4	+5MHz	-41.39	-32.2	Pass
				-5 MHz	-40.74	-32.2	Pass
				-10MHz	-51.85	-42.2	Pass
				+10MHz	-53.38	-42.2	Pass
			5	+5MHz	-43.47	-32.2	Pass
				-5 MHz	-43.35	-32.2	Pass
				-10MHz	-49.41	-42.2	Pass
				+10MHz	-49.52	-42.2	Pass
		HCH	1	+5MHz	-44.70	-32.2	Pass
				-5 MHz	-43.64	-32.2	Pass
				-10MHz	-52.39	-42.2	Pass
				+10MHz	-59.28	-42.2	Pass
			2	+5MHz	-43.01	-32.2	Pass



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				-5 MHz	-41.09	-32.2	Pass
				-10MHz	-49.92	-42.2	Pass
				+10MHz	-57.80	-42.2	Pass
			3	+5MHz	-43.67	-32.2	Pass
				-5 MHz	-41.61	-32.2	Pass
				-10MHz	-50.88	-42.2	Pass
				+10MHz	-58.29	-42.2	Pass
			4	+5MHz	-42.57	-32.2	Pass
				-5 MHz	-40.97	-32.2	Pass
				-10MHz	-51.16	-42.2	Pass
				+10MHz	-58.81	-42.2	Pass
			5	+5MHz	-44.39	-32.2	Pass
				-5 MHz	-42.95	-32.2	Pass
				-10MHz	-49.12	-42.2	Pass
				+10MHz	-50.61	-42.2	Pass



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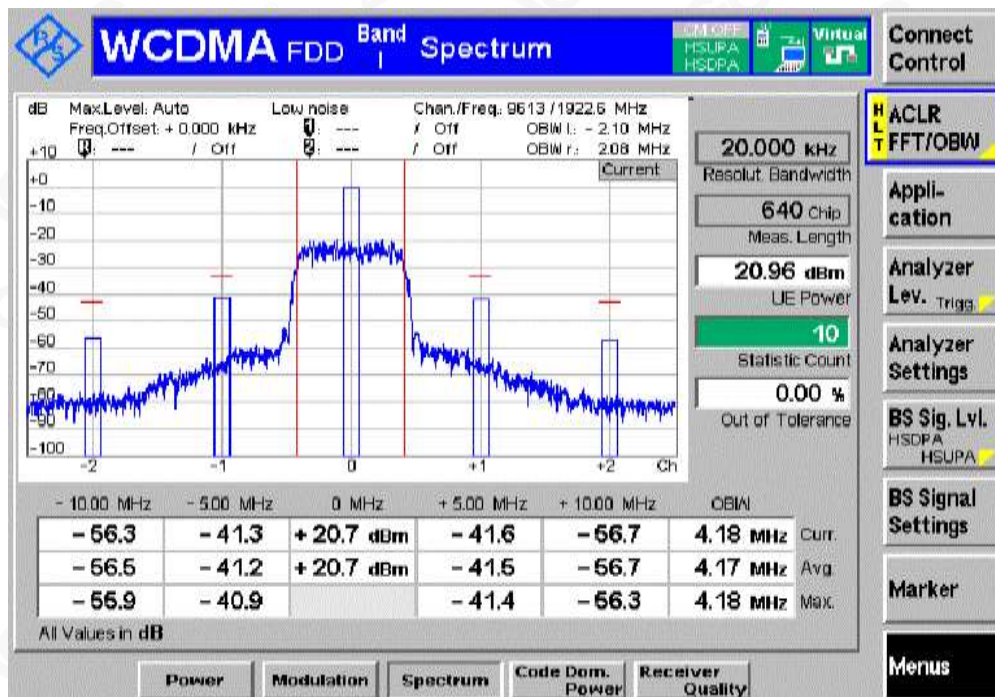
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BAND I

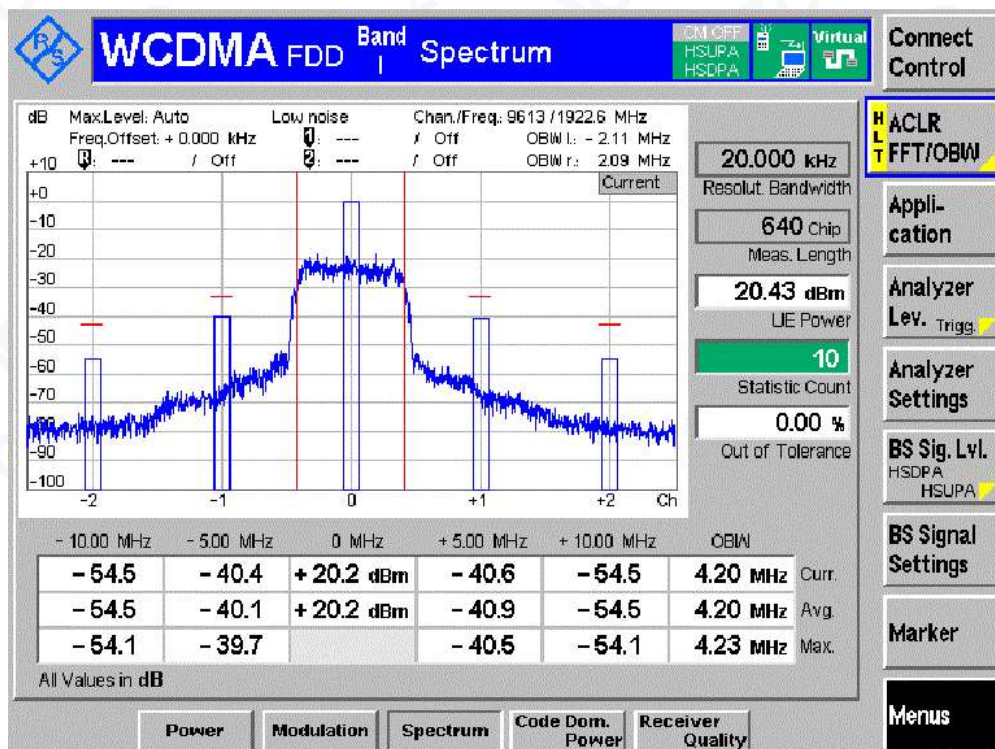
TNPN

Channel LCH

Sub-test 1



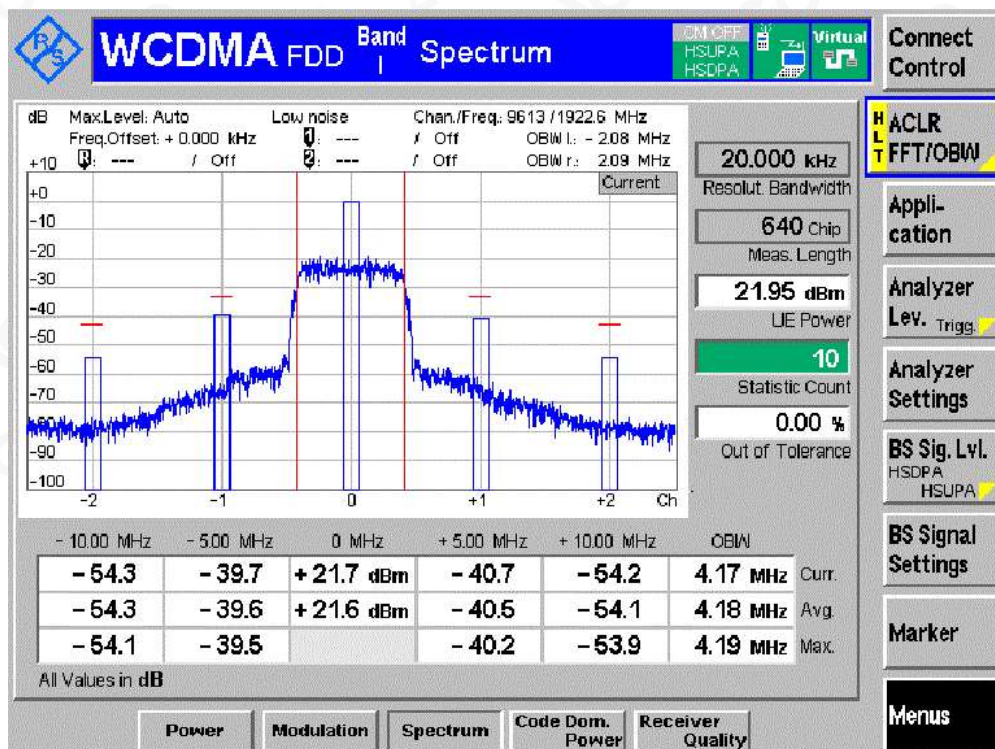
Sub-test 2



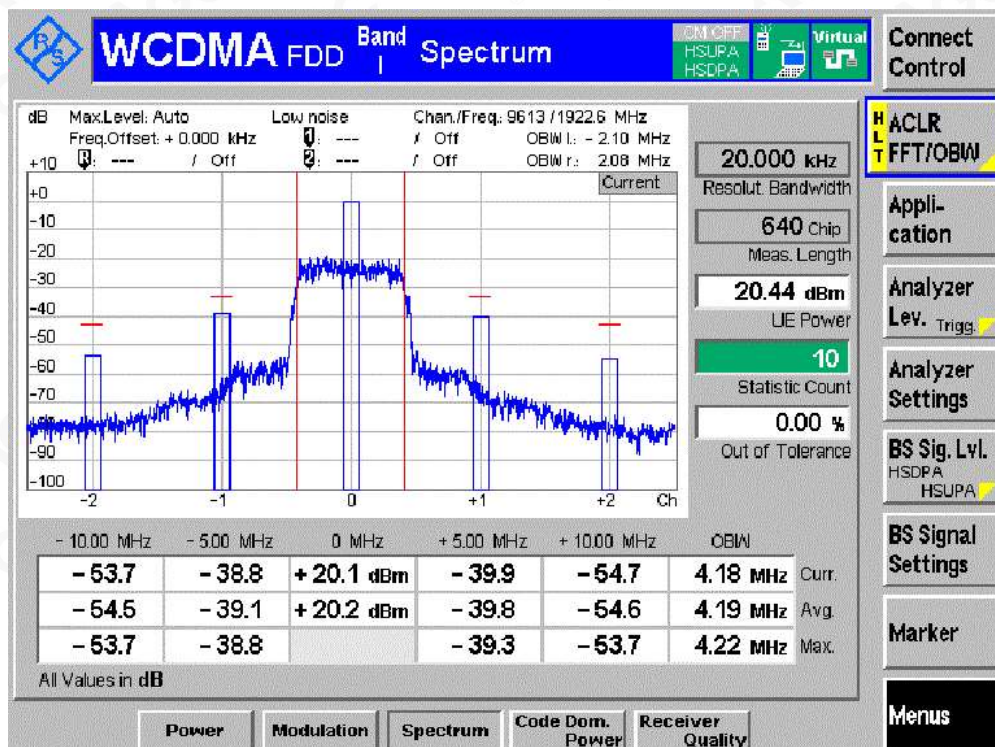
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Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline: 400 089 2118

Sub-test 3



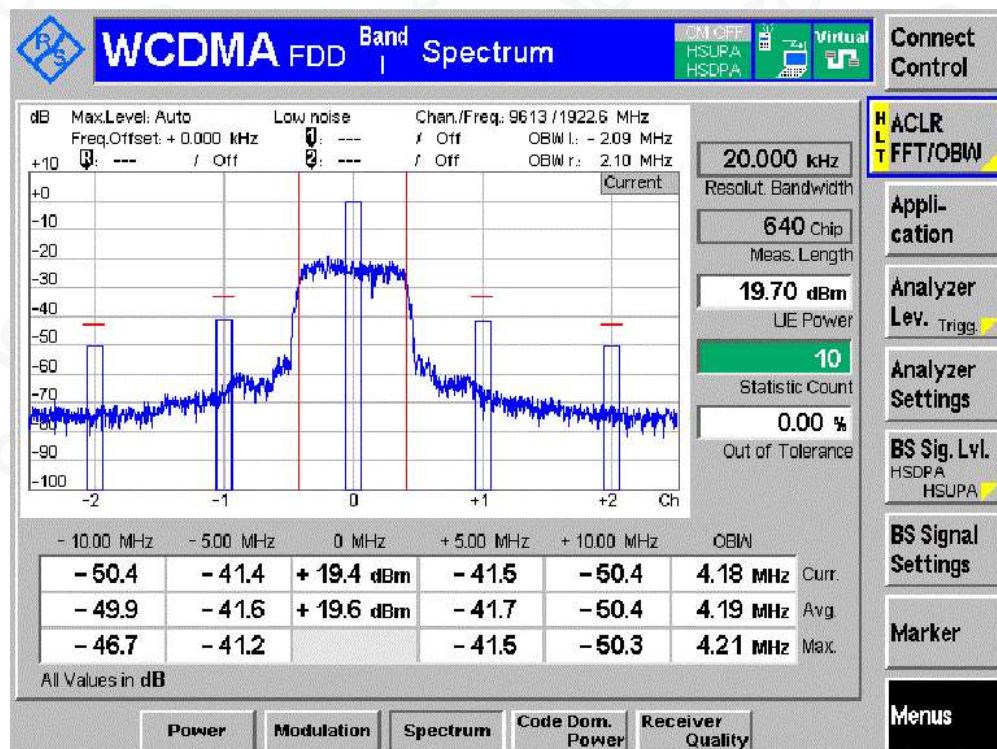
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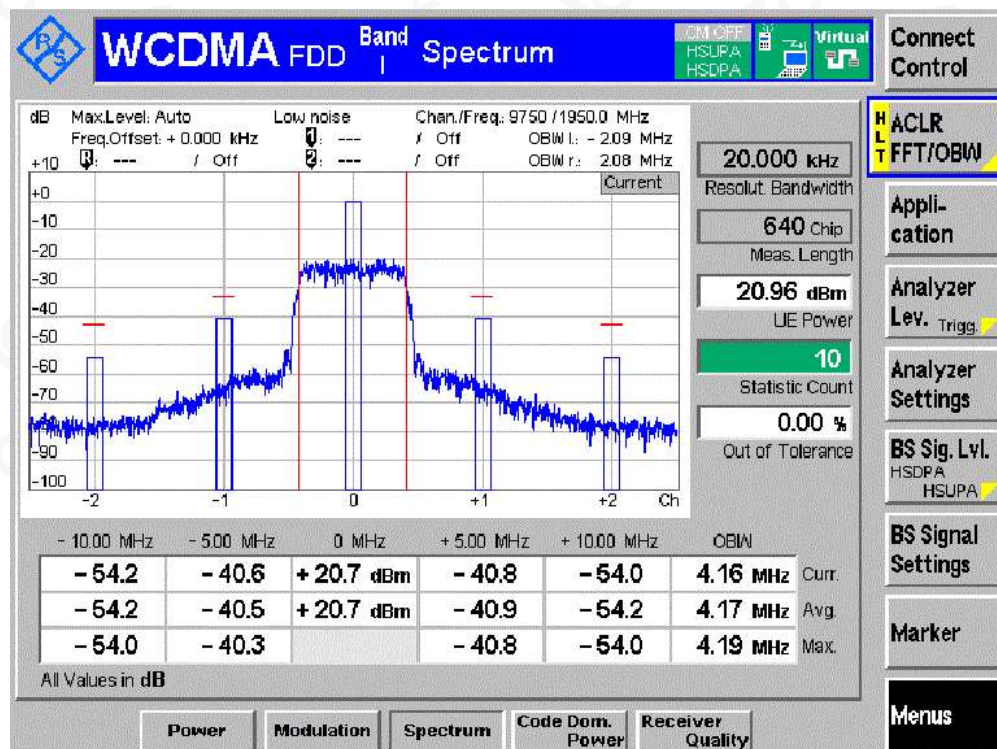
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Sub-test 5



Channel MCH

Sub-test 1



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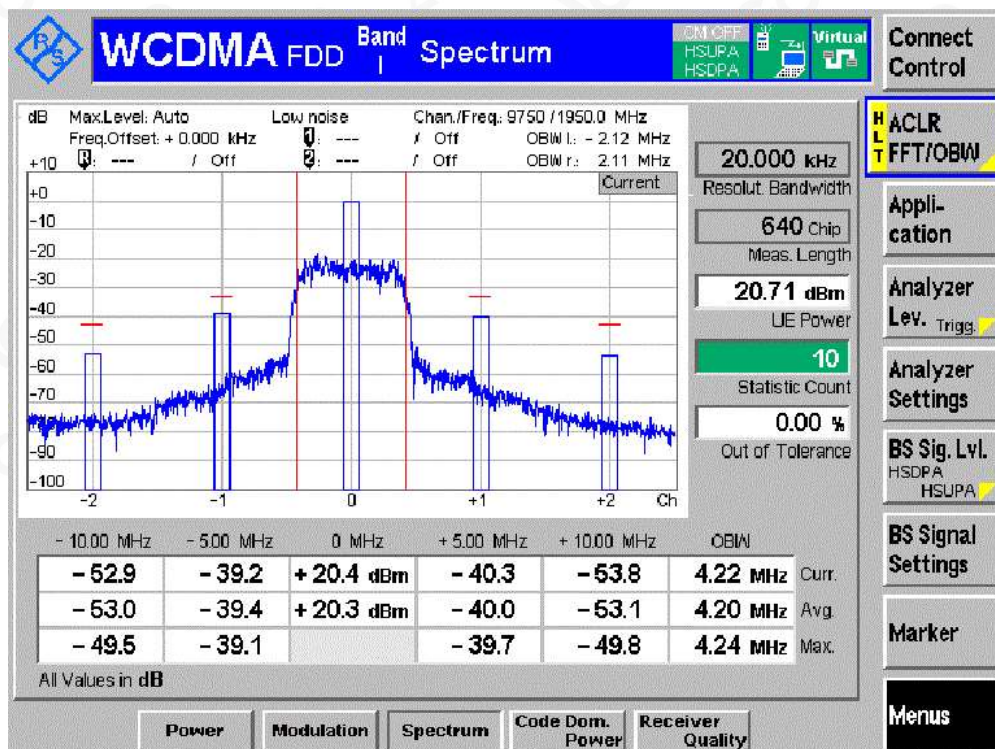
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Tel: +86-755 2523 4088

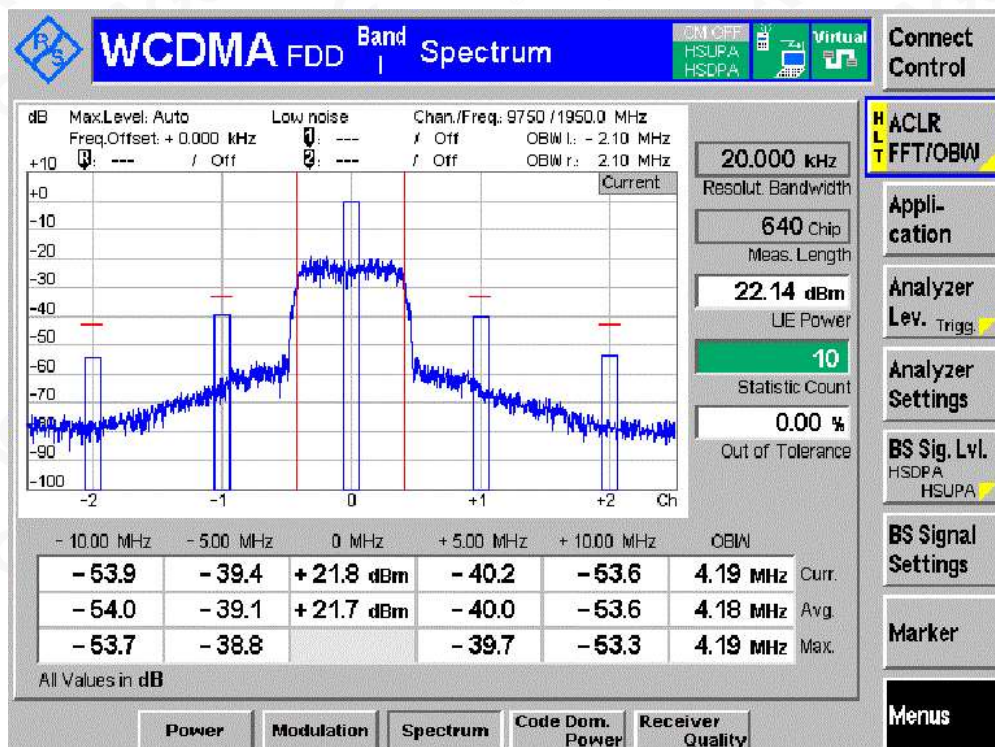
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Service Hotline:400 089 2118

Sub-test 2



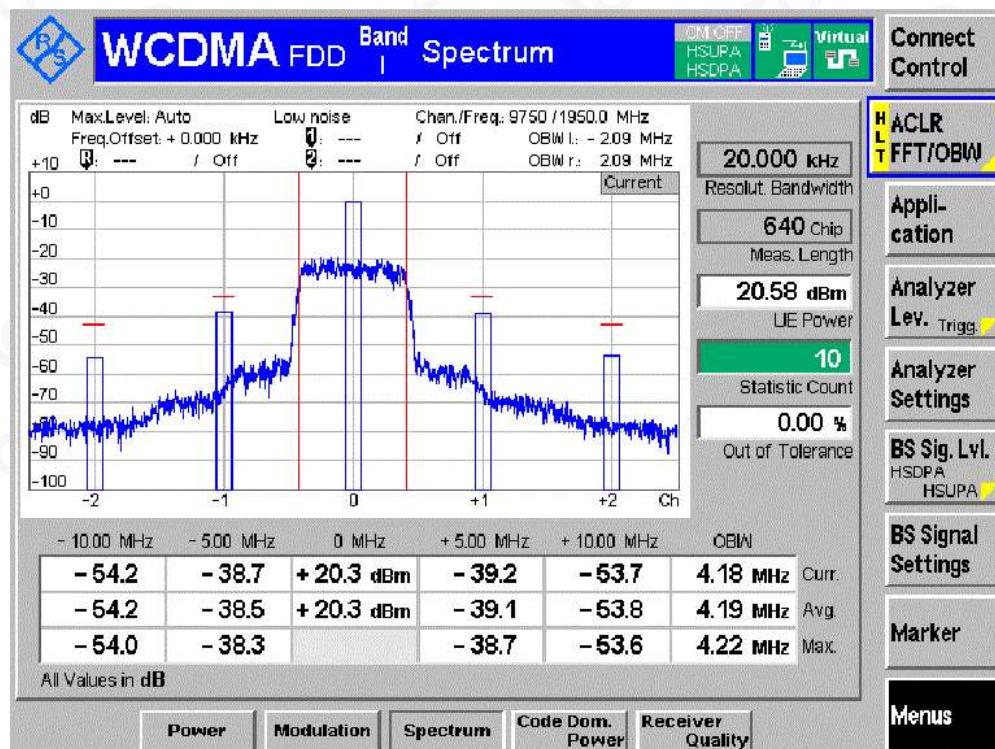
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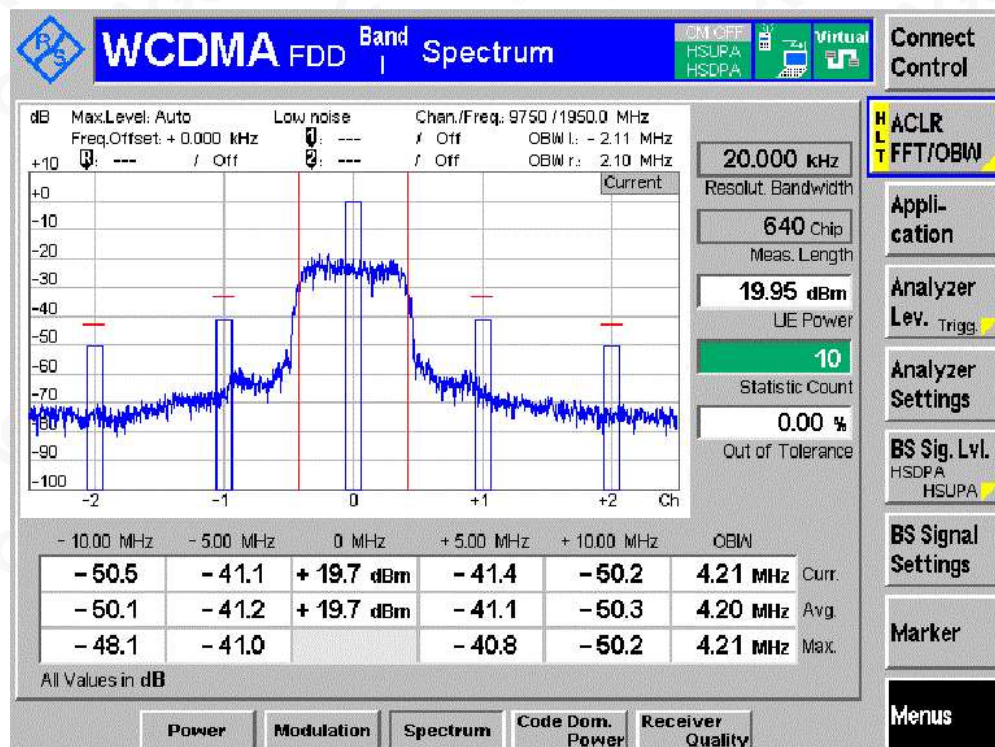
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Sub-test 4



Sub-test 5

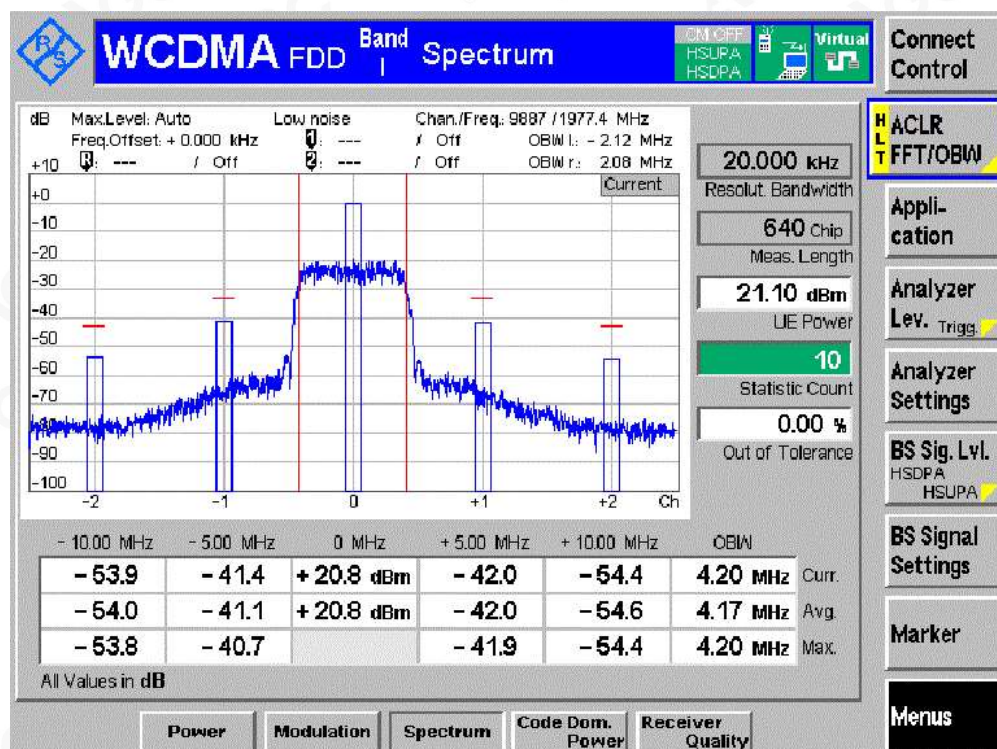


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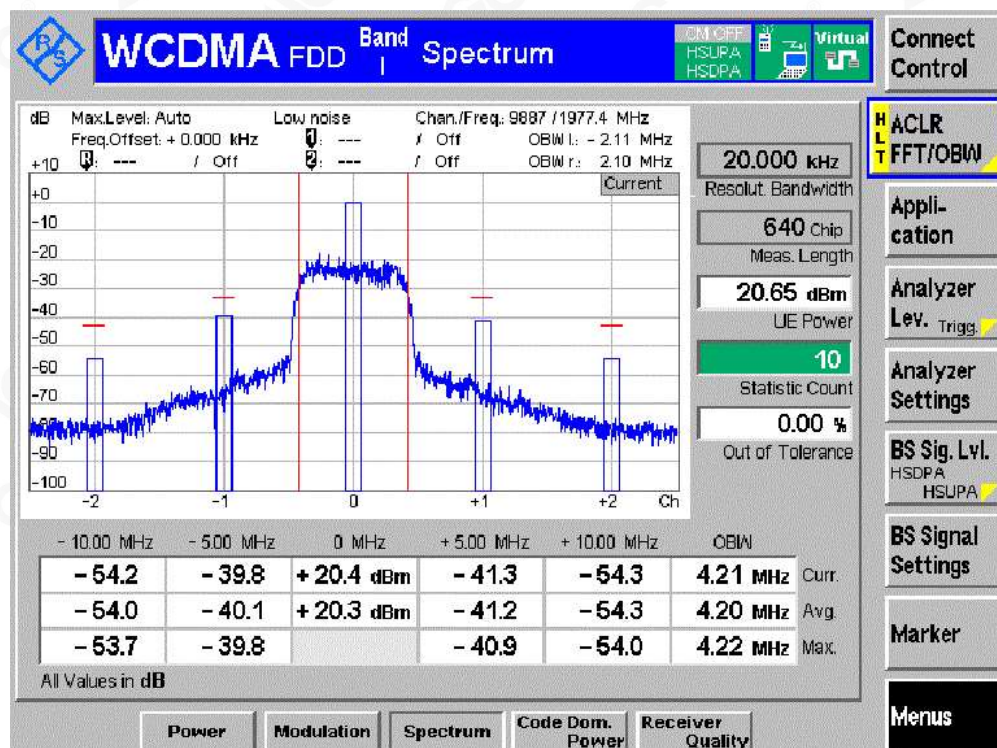
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Channel HCH

Sub-test 1



Sub-test 2



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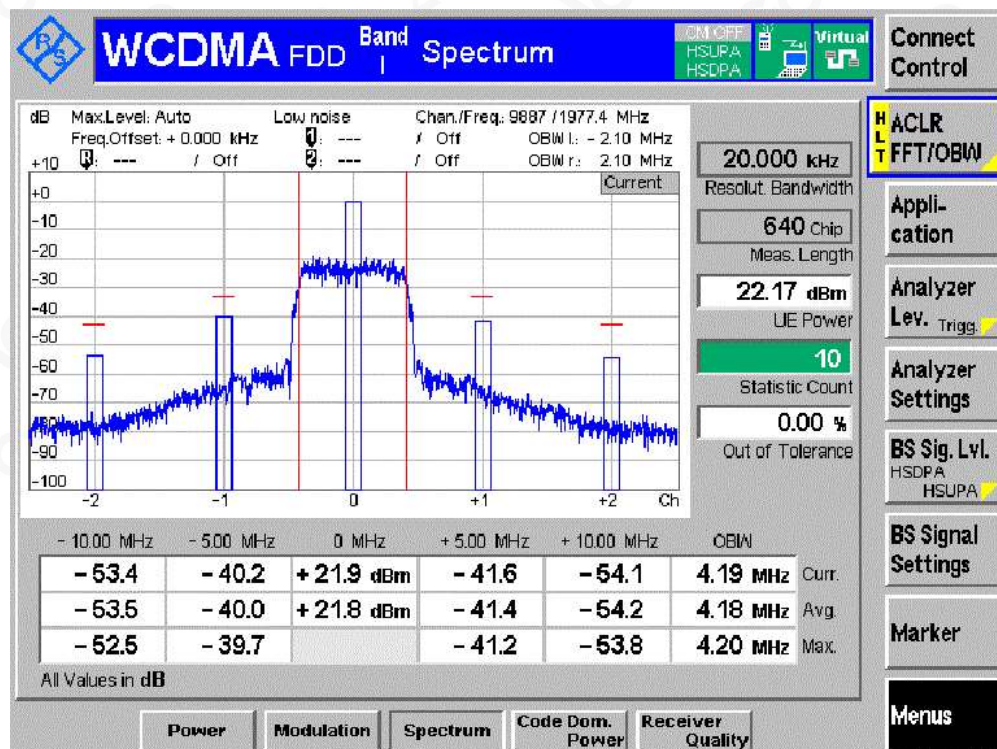
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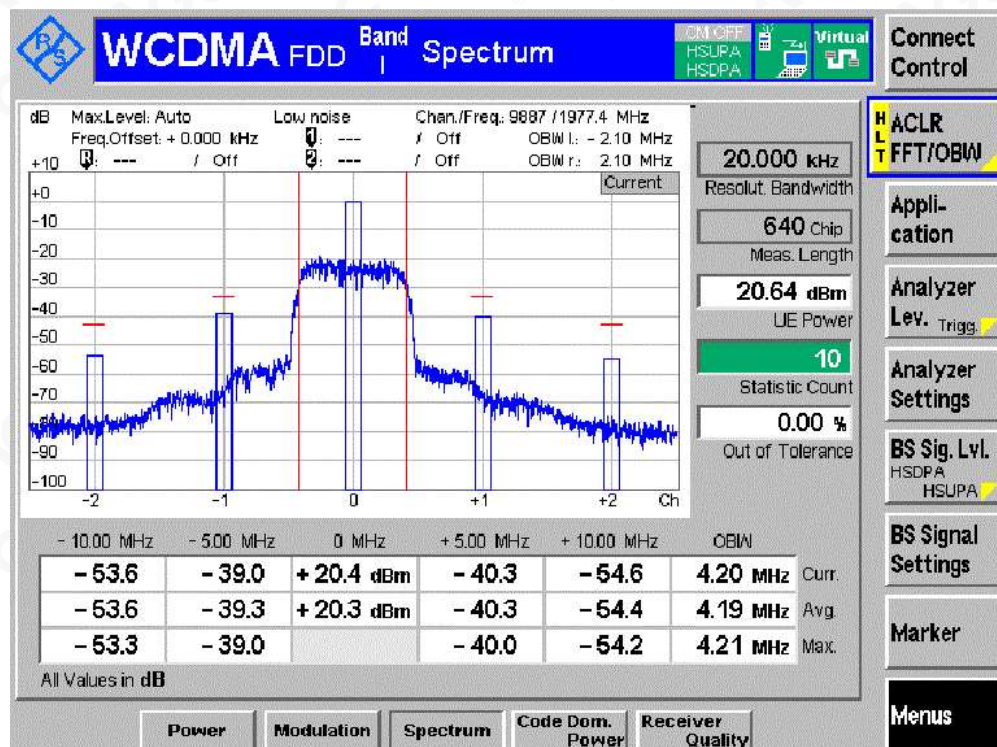
E-mail: agc@agc-cert.com

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Sub-test 3



Sub-test 4



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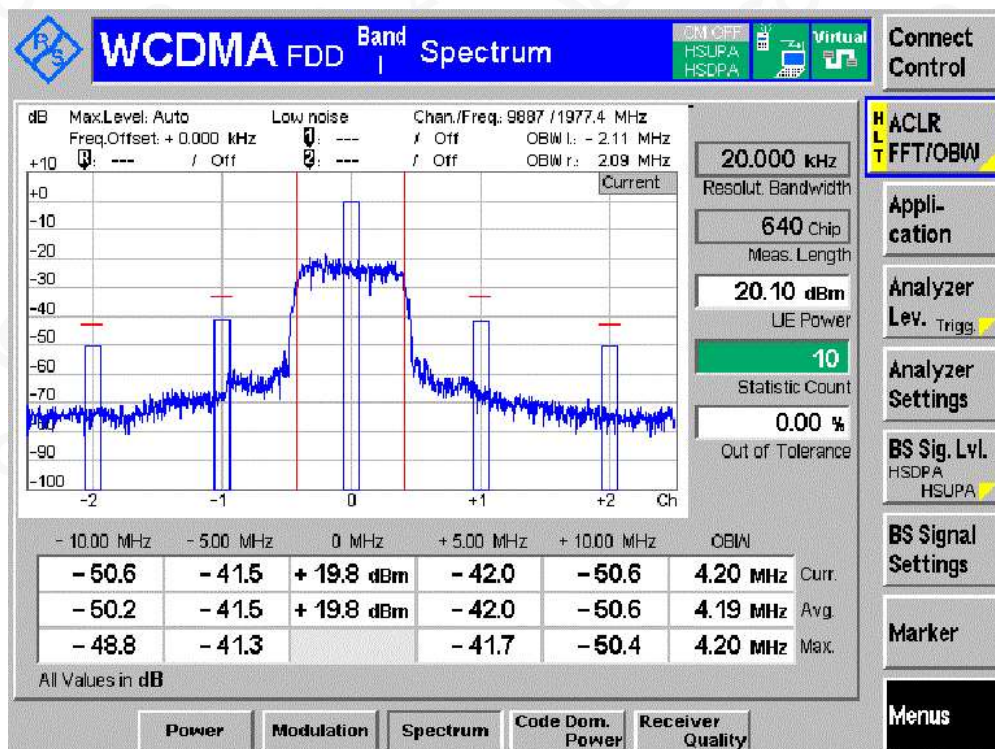
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Sub-test 5

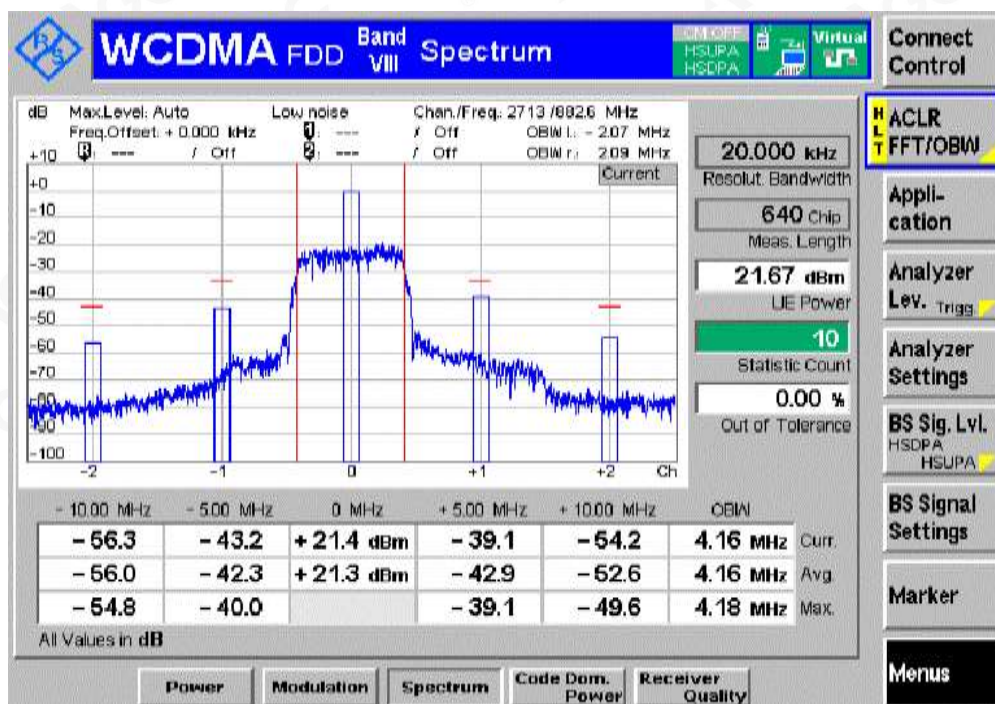


BAND VIII

TNPN

Channel LCH

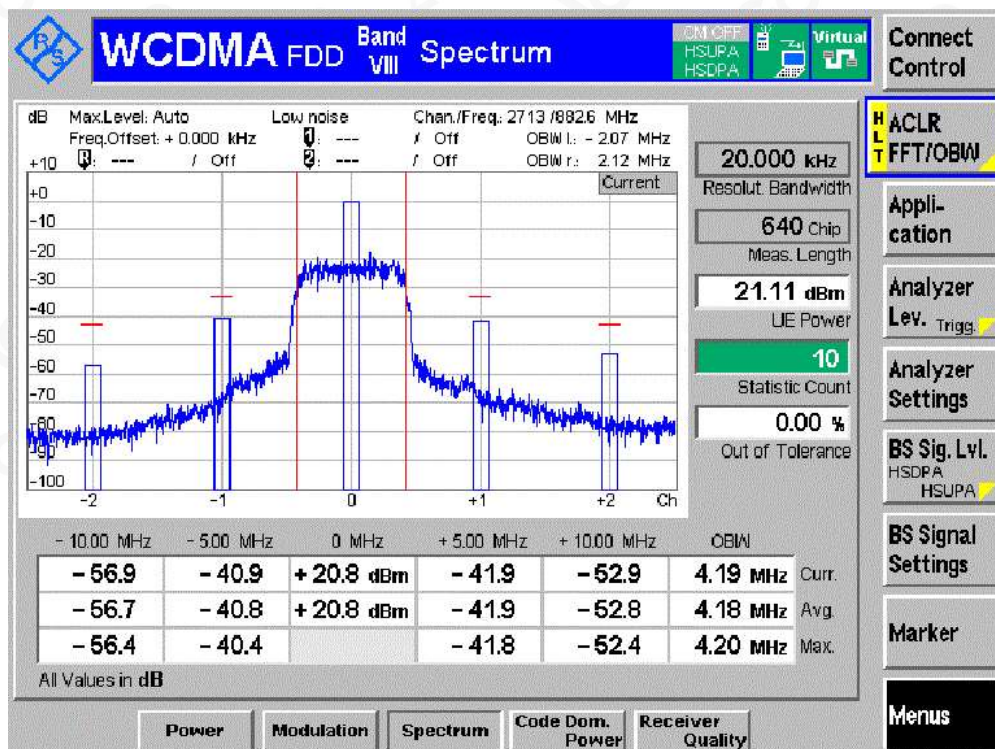
Sub-test 1



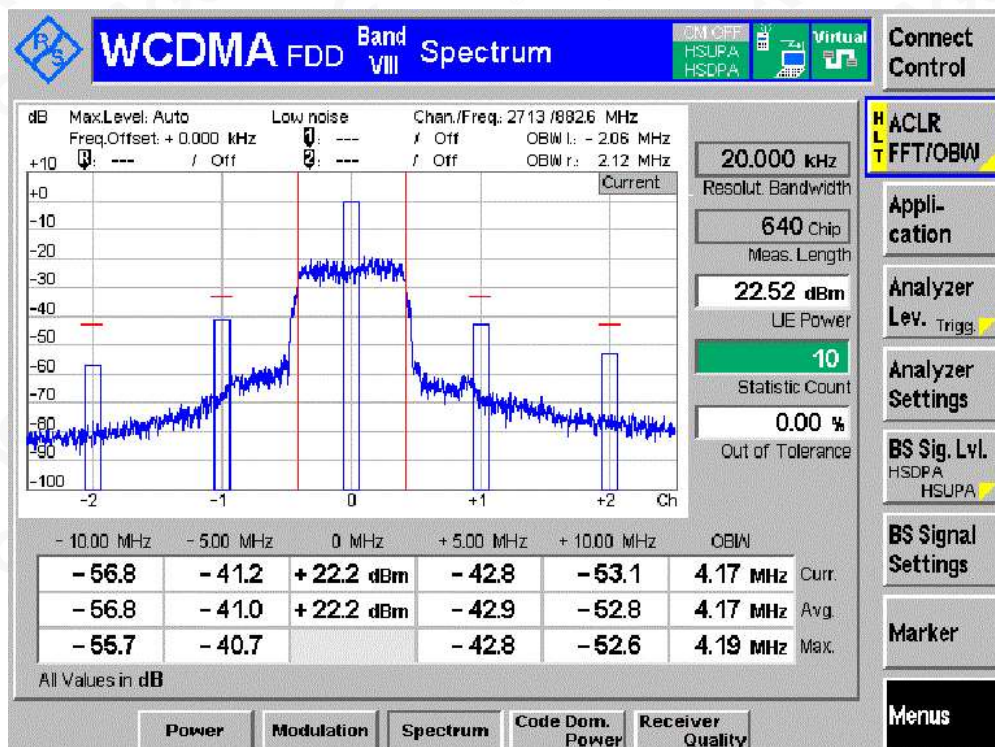
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Sub-test 2



Sub-test 3



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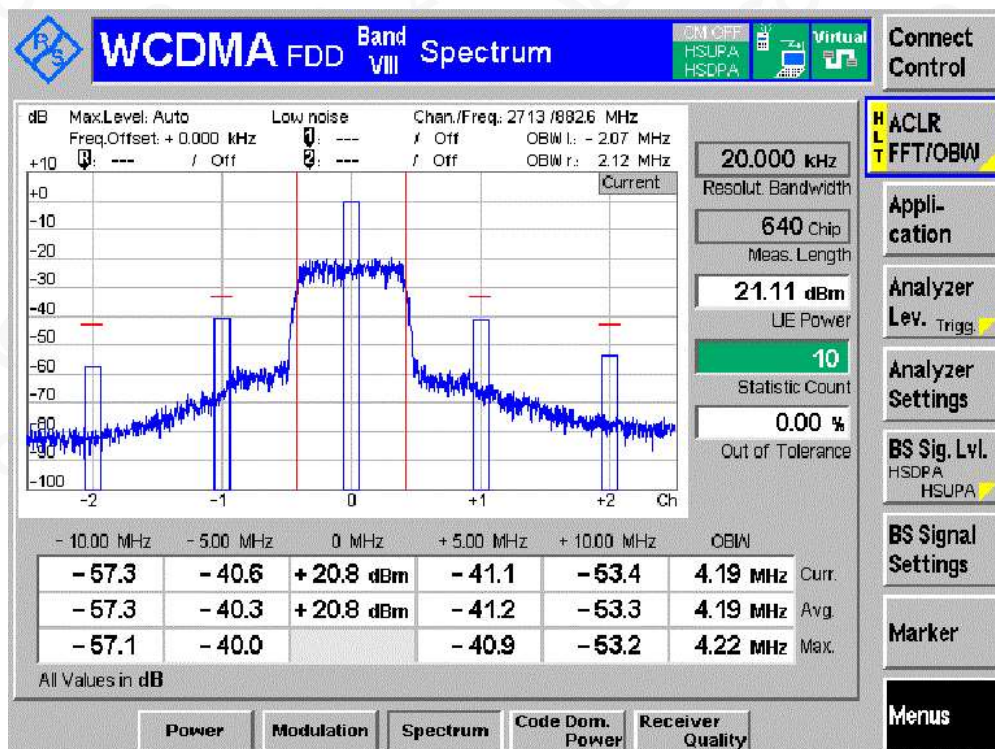
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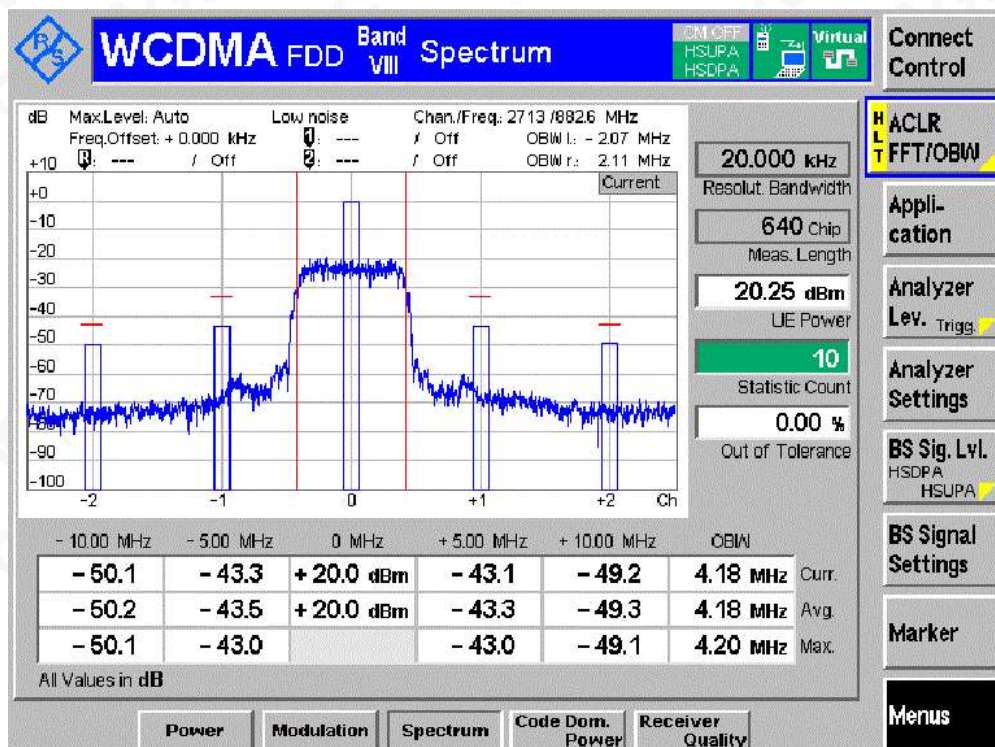
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Sub-test 4



Sub-test 5



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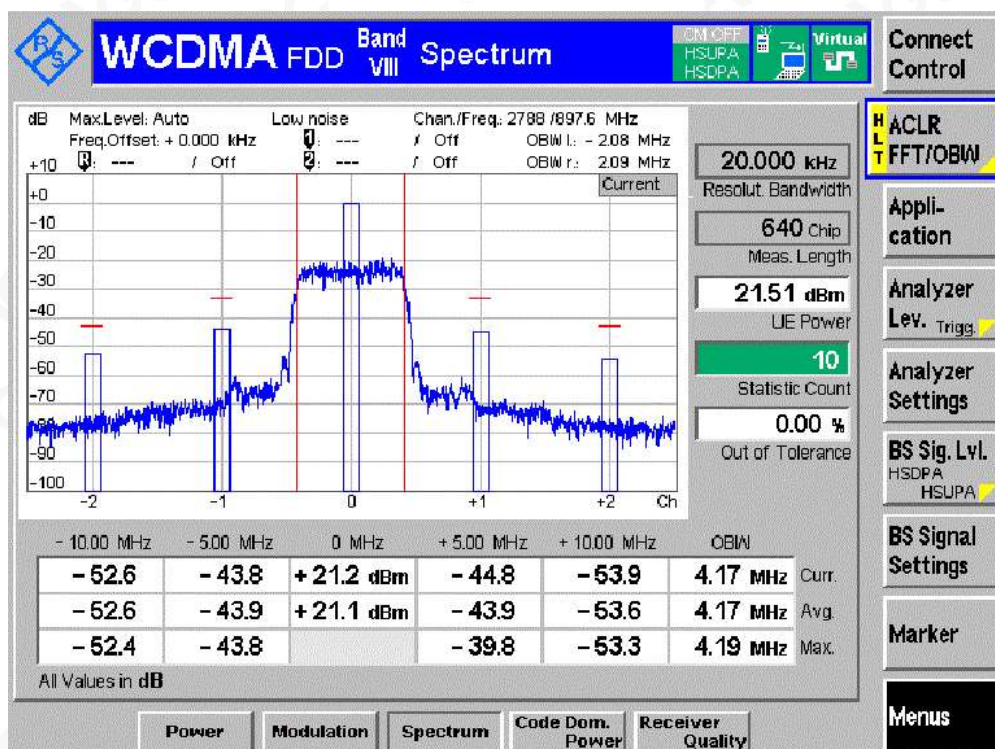
Tel: +86-755 2523 4088

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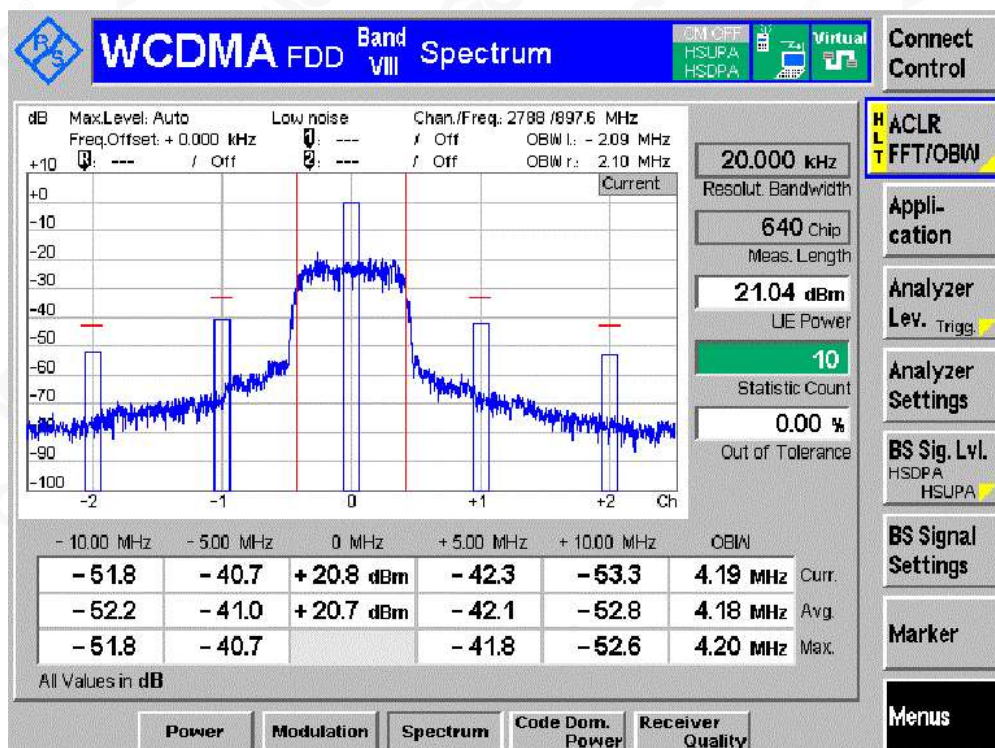
Service Hotline:400 089 2118

Channel MCH

Sub-test 1



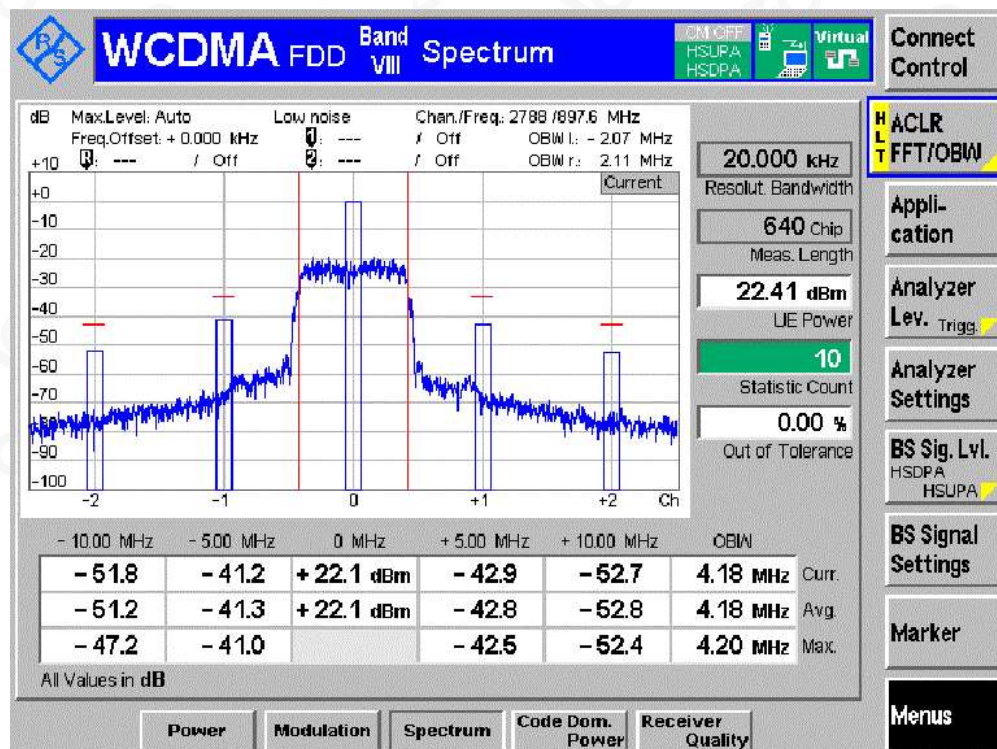
Sub-test 2



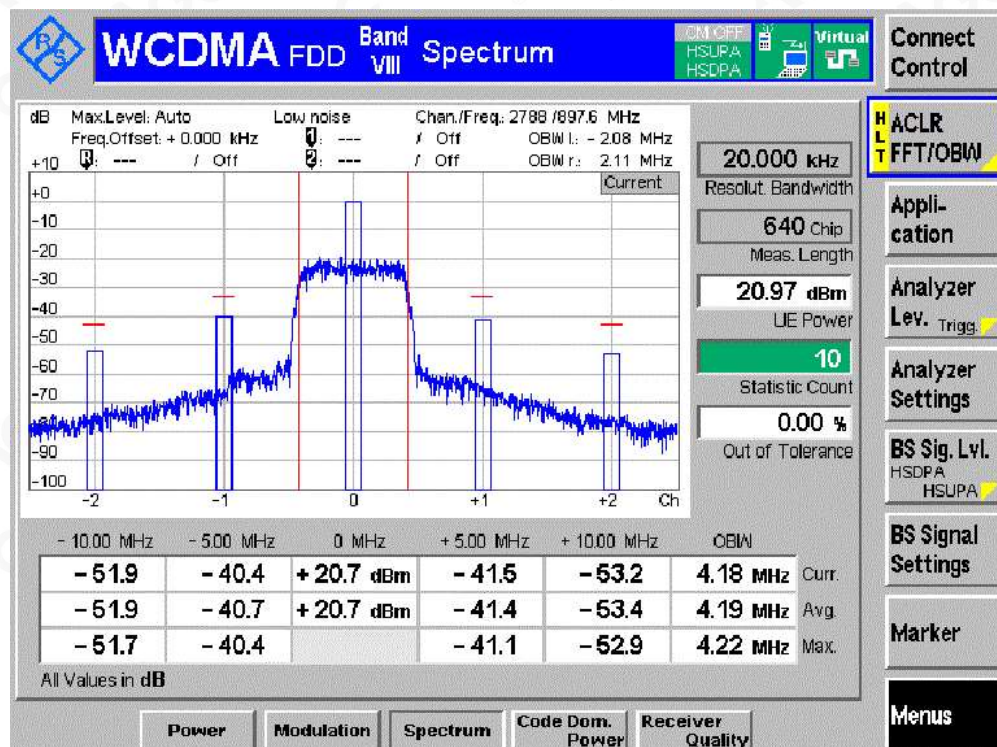
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Sub-test 3



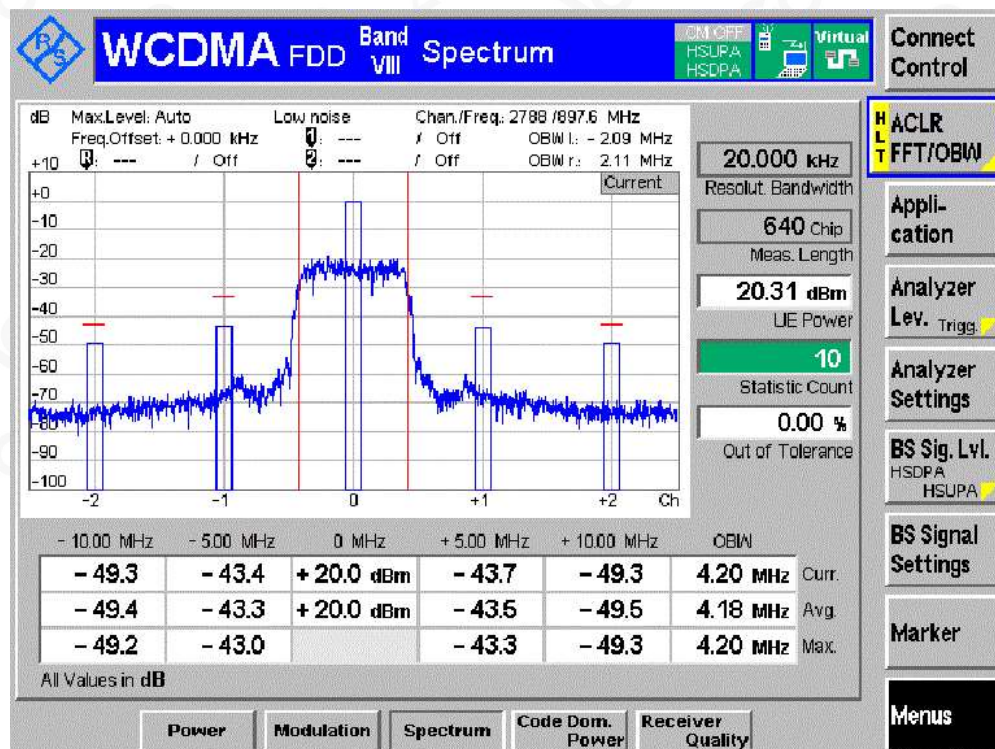
Sub-test 4



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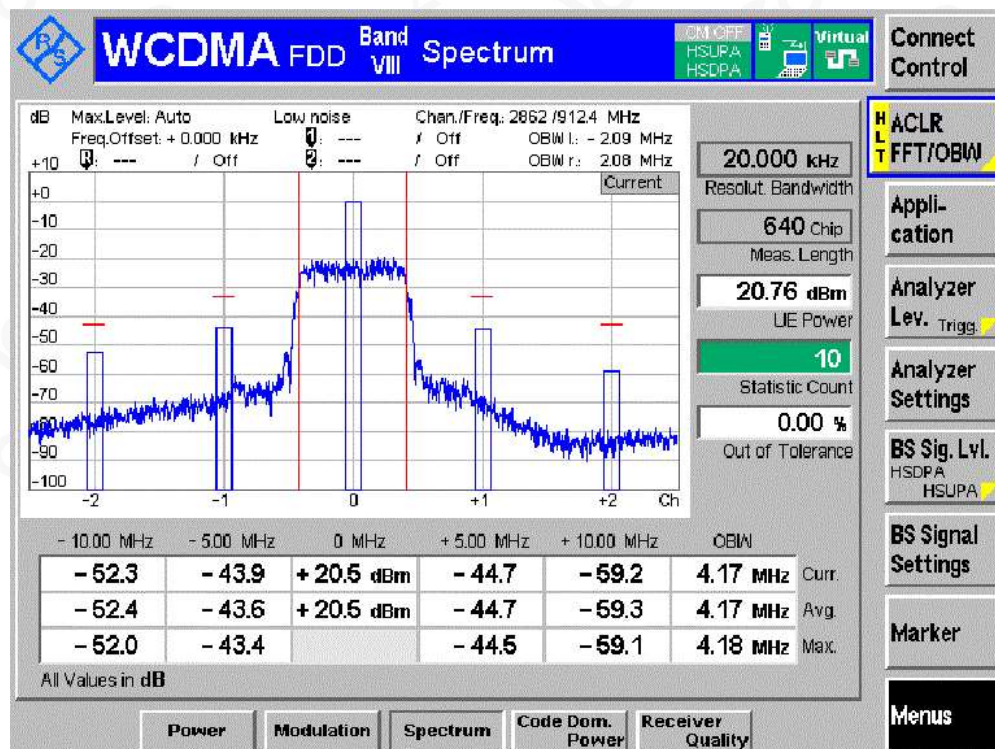
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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Sub-test 5



Channel HCH

Sub-test 1



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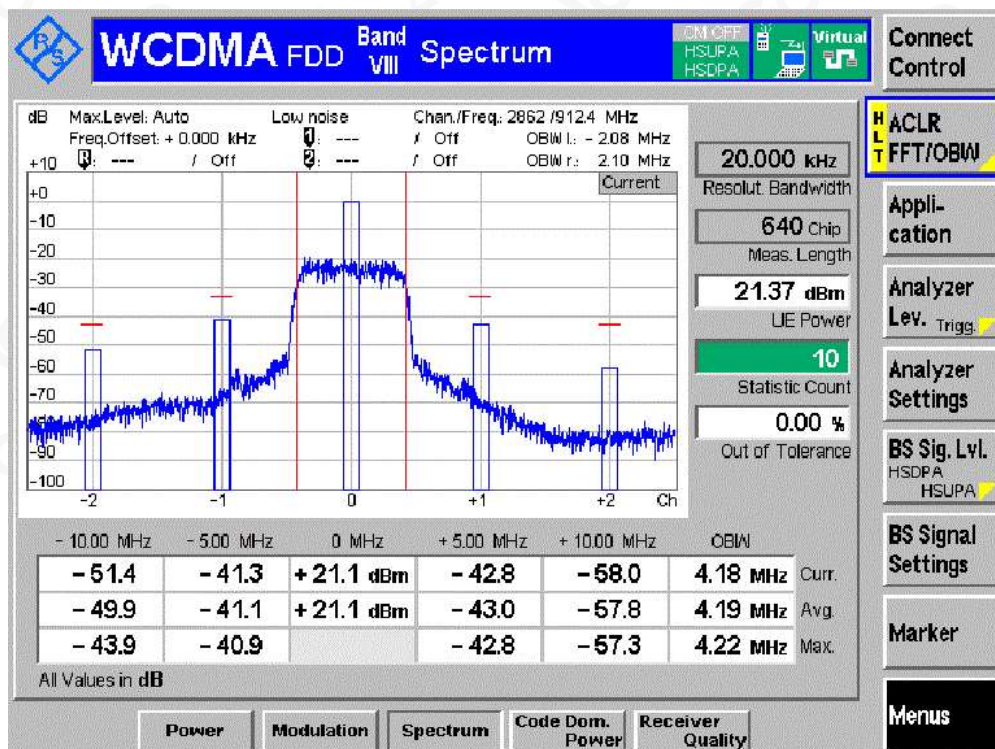
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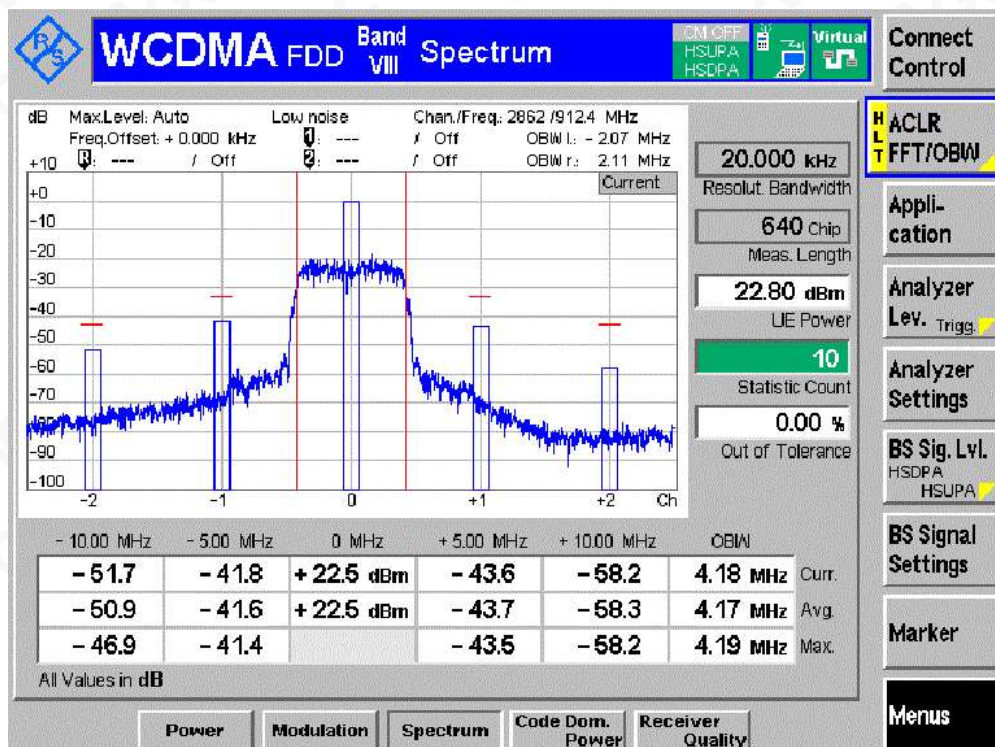
E-mail: agc@agc-cert.com

Service Hotline: 400 089 2118

Sub-test 2



Sub-test 3



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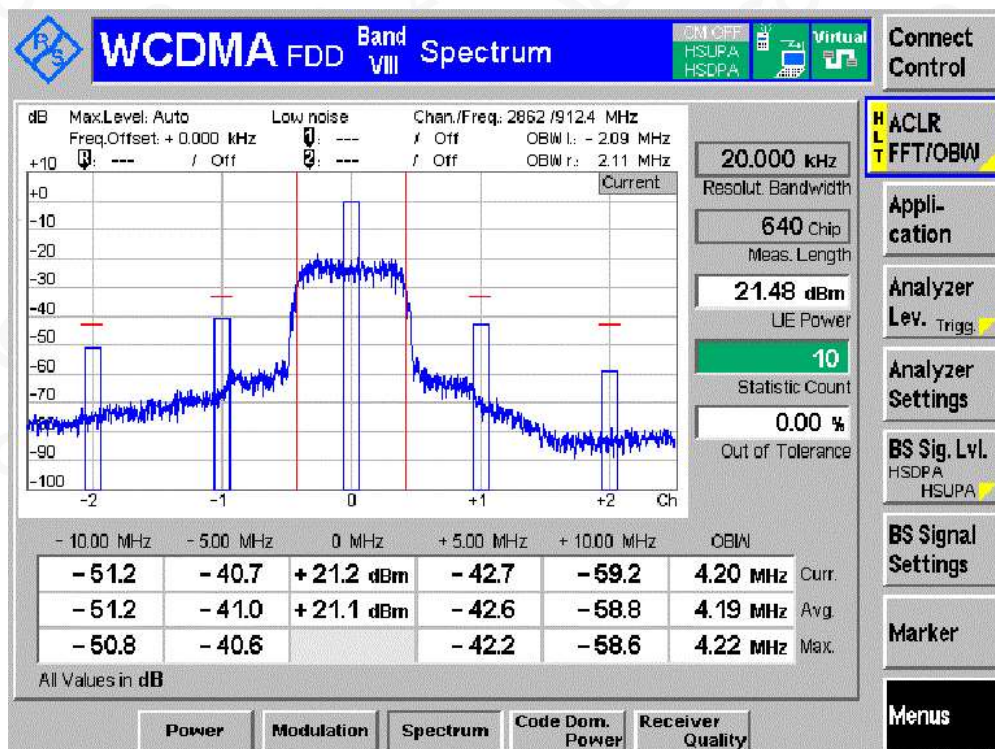
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Tel: +86-755 2523 4088

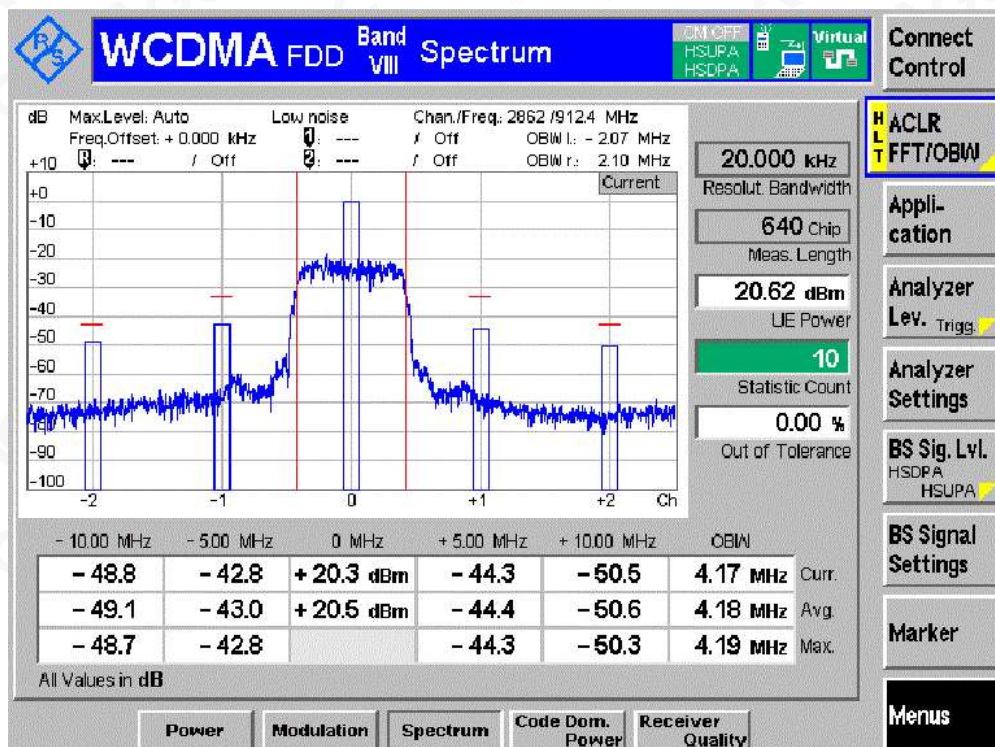
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Service Hotline: 400 089 2118

Sub-test 4



Sub-test 5



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E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

Appendix L. Receiver spurious emissions

Frequency	RBW	Max .Level (dbm)	Test Band=Band I			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-62.1335945129	-62.4076805115	-62.315486908	Pass
1 GHz ≤f ≤ 12.75 GHz	1 MHz	-47	-53.6752624512	-47.0785903931	-47.1125183105	Pass
791 MHz ≤f ≤ 821 MHz	3,84 MHz	-60	-64.4612426758	-64.4446182251	-64.4216918945	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-62.8347740173	-62.1615867615	-62.5301399231	Pass
925 MHz ≤f ≤ 935 MHz	100 kHz	-67	-72.629196167	-73.8552322388	-72.4388809204	Pass
935 MHz < f ≤ 960 MHz	100 kHz	-79	-87.0960235596	-87.1033172607	-86.7718963623	Pass
1805MHz ≤f < 1880MHz	100 kHz	-60	-83.2085800171	-83.0775909424	-83.1352615356	Pass
1920MHz ≤f < 1980MHz	3,84 MHz	-60	-69.4919662476	-69.4339599609	-69.4572753906	Pass
2 110 MHz ≤f ≤ 2 170 MHz	3,84 MHz	-60	-68.797416687	-68.836151123	-68.7924194336	Pass
2 585 MHz ≤f ≤ 2 690 MHz	3,84 MHz	-60	-66.1067886353	-66.1794433594	-66.2029190063	Pass
Frequency	RBW	Max .Level (dbm)	Test Band=Band VIII			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-62.4191093445	-62.2822265625	-62.3319244385	Pass
1 GHz ≤f ≤12.75 GHz	1 MHz	-47	-53.6519546509	-47.1990356445	-47.1677703857	Pass
791 MHz ≤f ≤821 MHz	3,84 MHz	-60	-63.6844673157	-63.7418251038	-63.8311157227	Pass
880 MHz ≤f < 915 MHz	3,84 MHz	-60	-68.2289886475	-68.2318954468	-68.1983947754	Pass
921 MHz ≤f ≤925 MHz	100 kHz	-60	-62.565952301	-62.3679008484	-61.9042358398	Pass
925 MHz ≤f ≤935 MHz	100 kHz	-67	-77.1423034668	-77.1982574463	-76.9785079956	Pass
925 MHz ≤f ≤935 MHz	3,84 MHz	-60	-69.2473297119	-69.2540893555	-69.1965637207	Pass
935 MHz < f ≤960 MHz	100 kHz	-79	-86.5872955322	-87.0251541138	-87.1093444824	Pass



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1805MHz ≤ f ≤ 1880MHz	3,84 MHz	-60	-63.7076683044	-63.7746238708	-63.7657012939	Pass
2 110 MHz ≤ f ≤ 2 170 MHz	3,84 MHz	-60	-68.7605056763	-68.7893371582	-68.840133667	Pass
2 585 MHz ≤ f ≤ 2 690 MHz	3,84 MHz	-60	-66.191116333	-66.2210845947	-66.1812744141	Pass



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Tel: +86-755 2523 4088

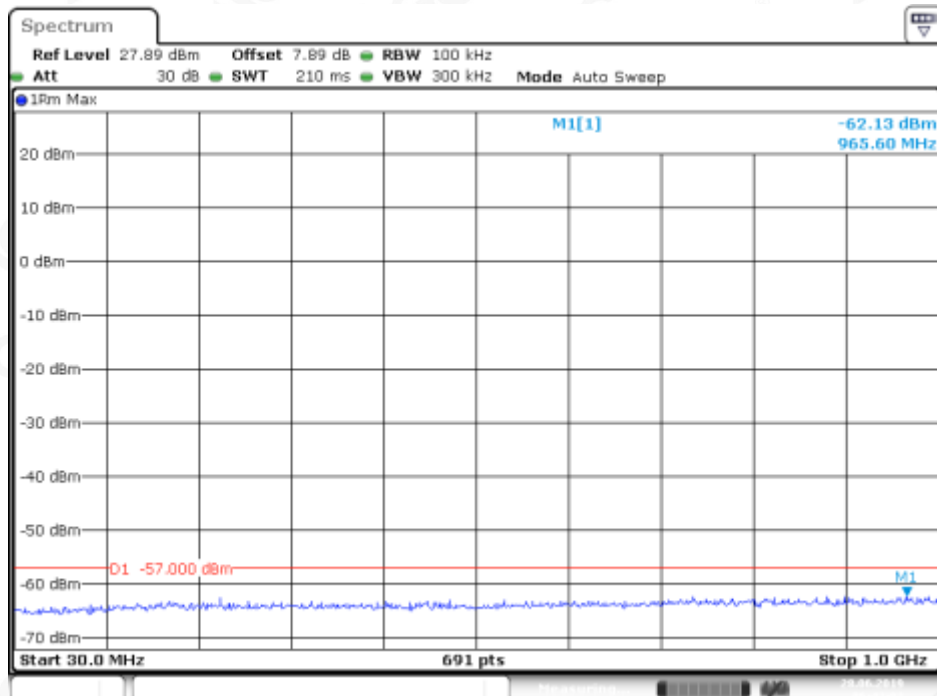
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

BAND I

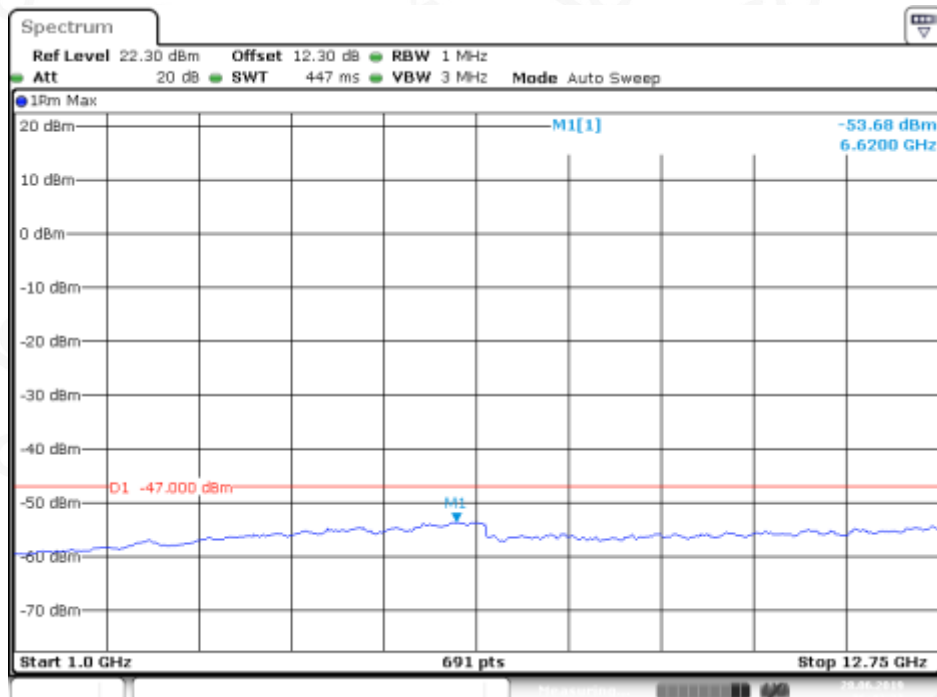
Channel LCH

30MHz~1GHz



Date: 28.JUN.2019 06:42:02

1GHz~12.75GHz



Date: 28.JUN.2019 06:42:27



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Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

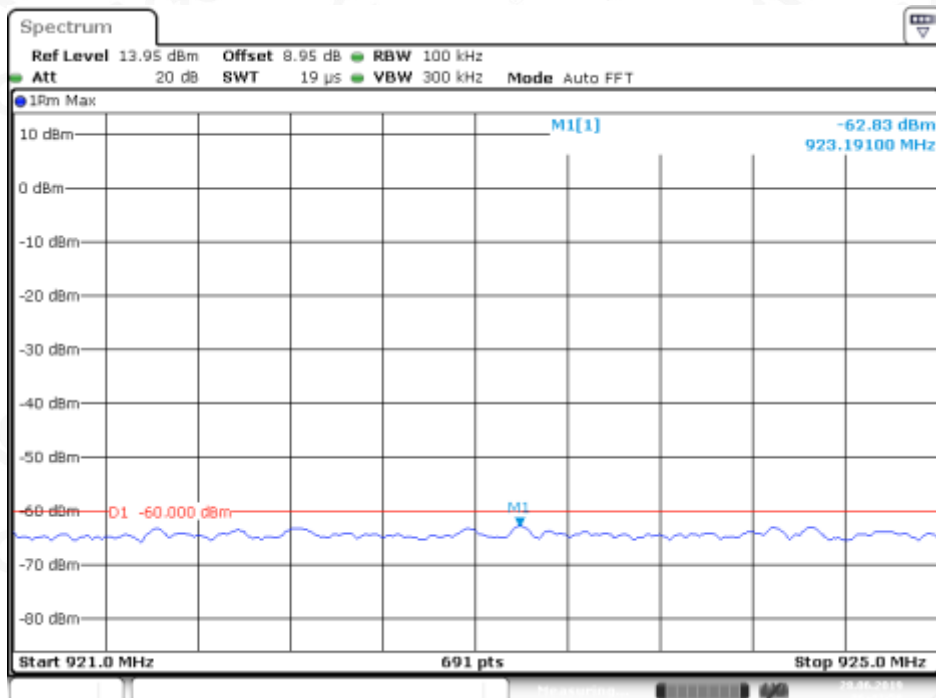
Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 06:42:46

921MHZ~925MHZ



Date: 28.JUN.2019 06:42:58

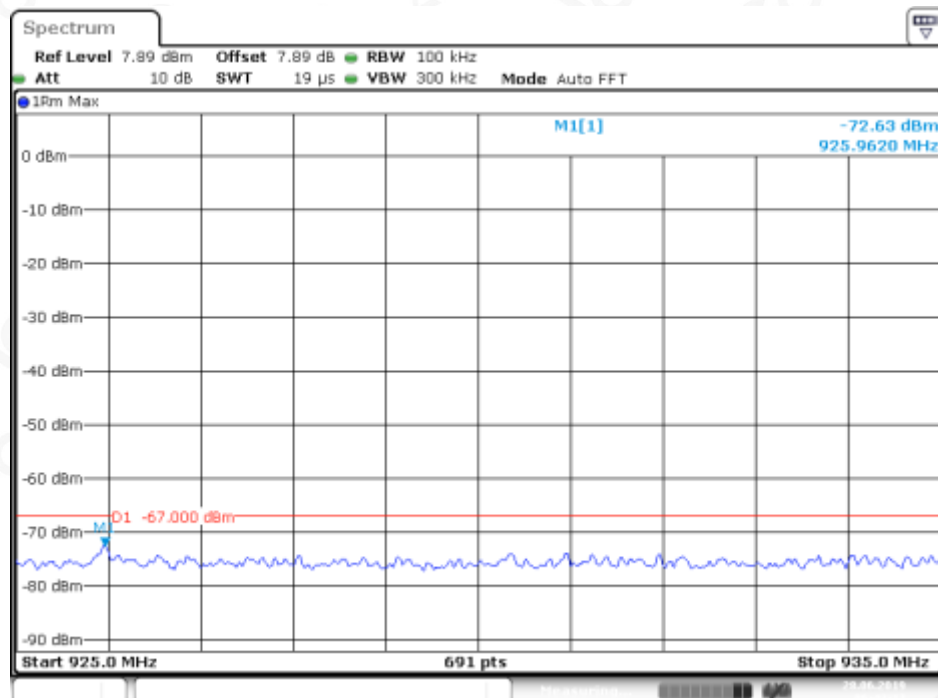


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Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

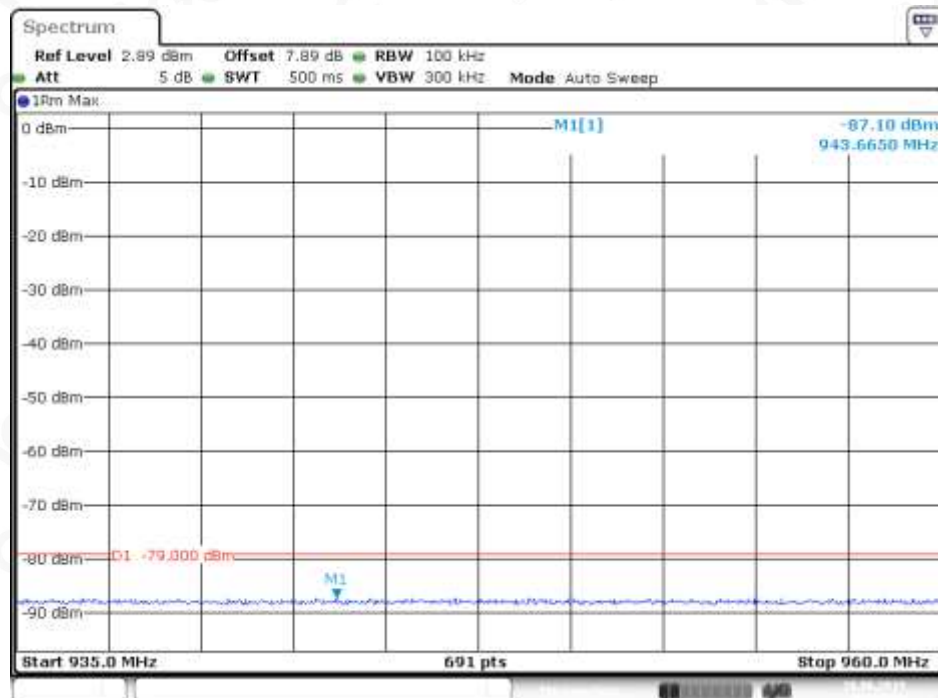
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 06:43:17

935MHZ~960MHZ



Date: 28.JUN.2019 06:43:29



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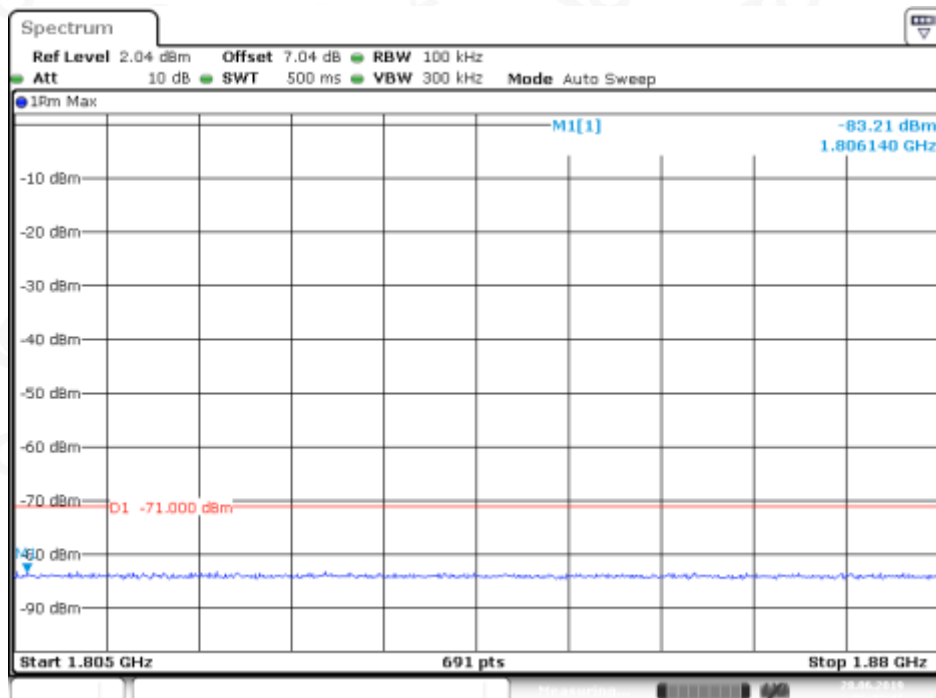
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

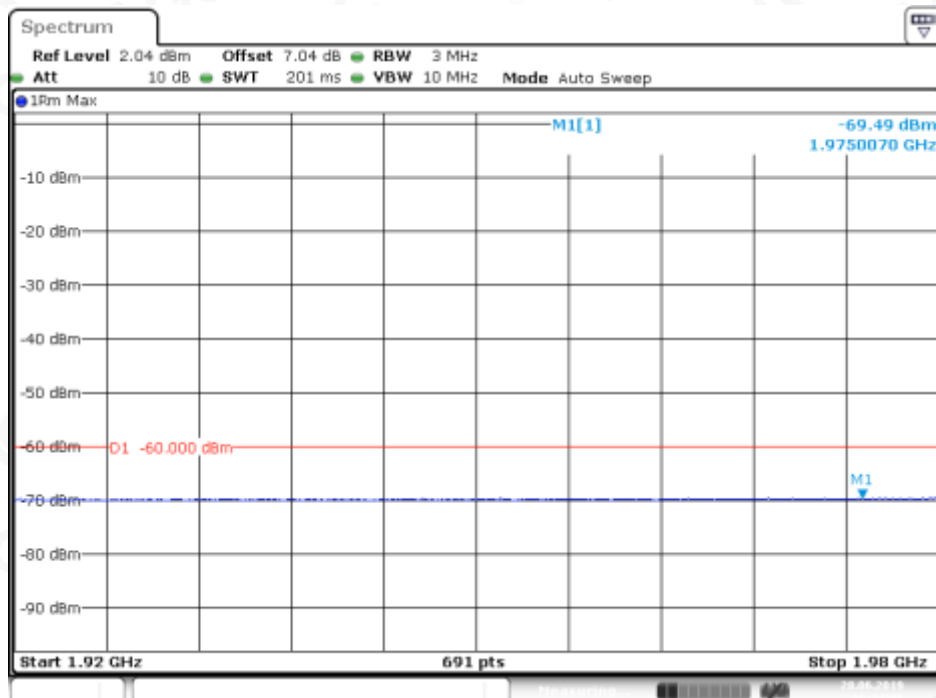
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 06:43:42

1920MHZ~1980MHZ



Date: 28.JUN.2019 06:44:06



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

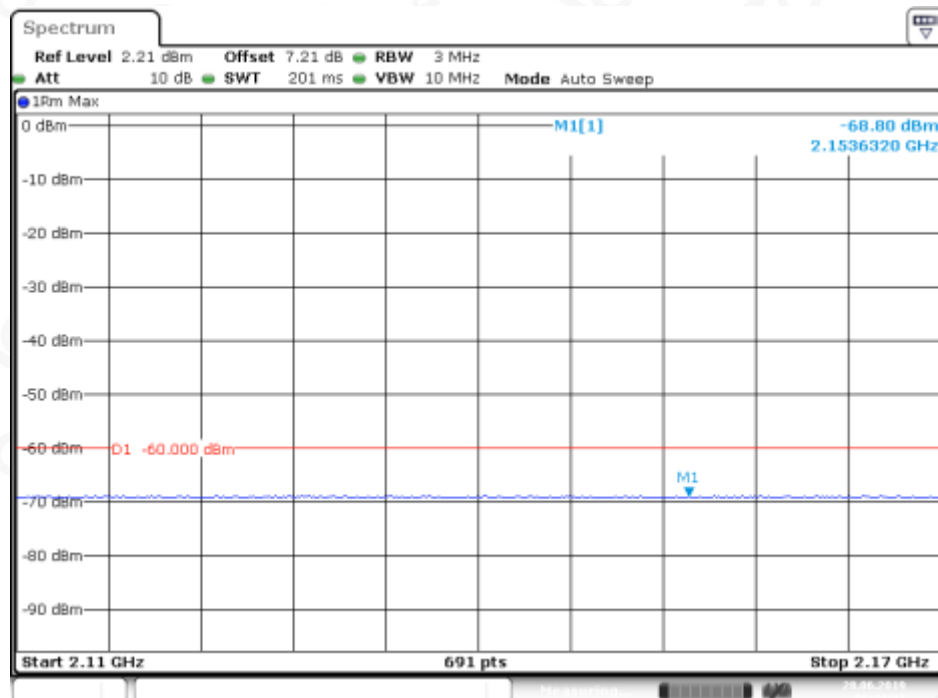
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

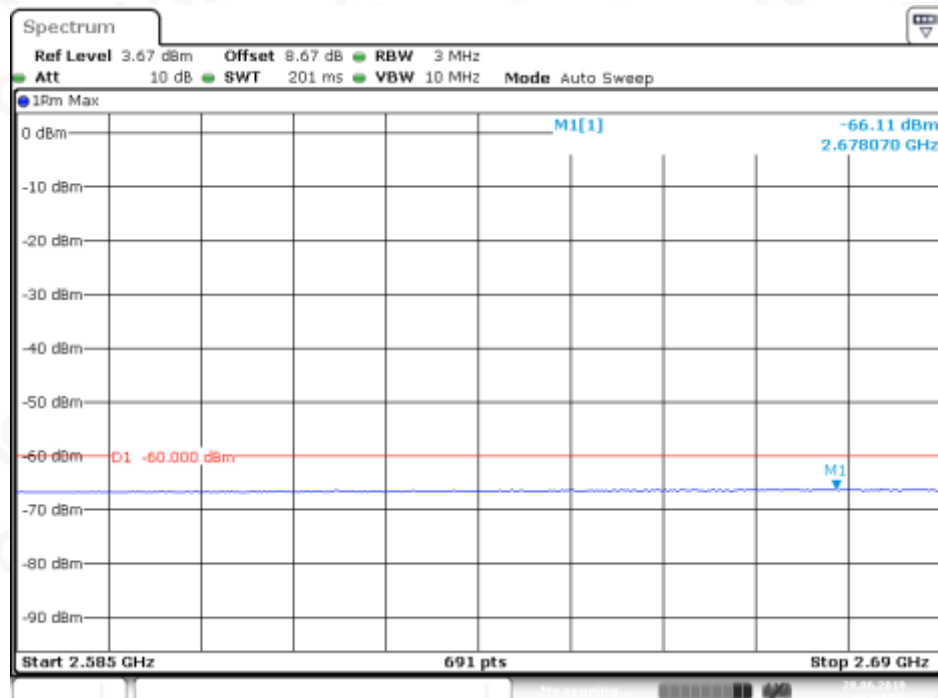
Service Hotline:400 089 2118

2110MHZ~2170MHZ



Date: 28.JUN.2019 06:44:31

2585MHZ~2690MHZ



Date: 28.JUN.2019 06:44:55



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

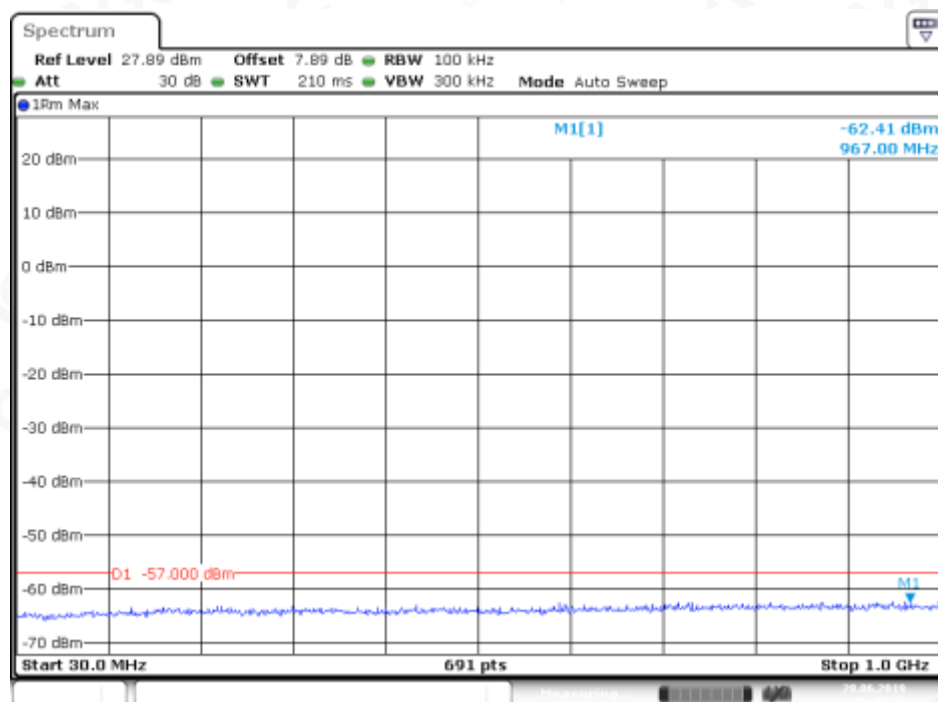
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

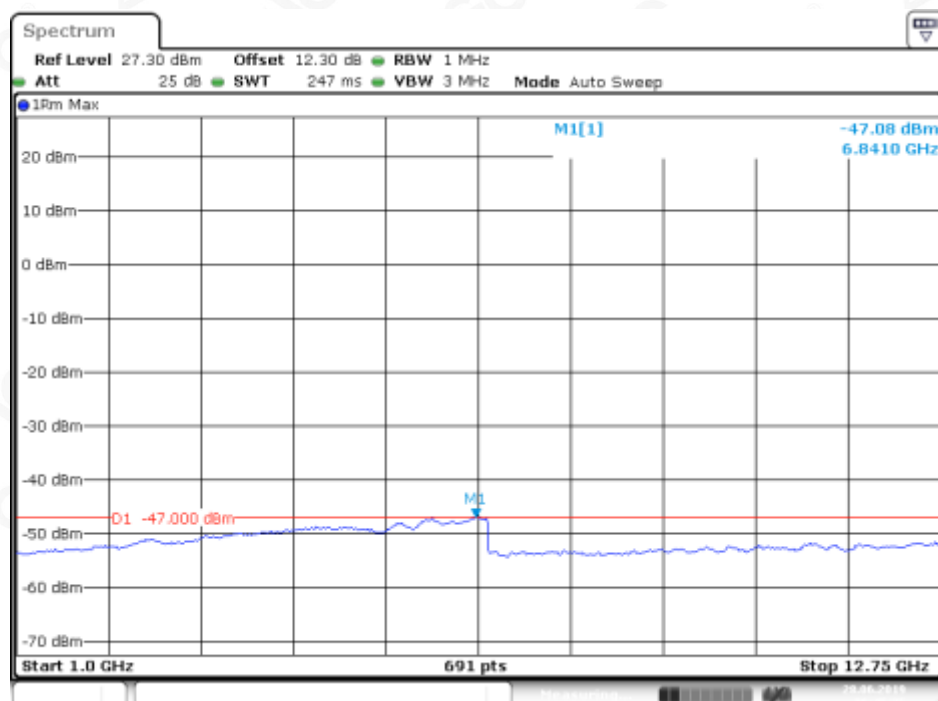
Service Hotline:400 089 2118

Channel MCH
30MHz~1GHz



Date: 28.JUN.2019 06:45:17

1GHz~12.75GHz



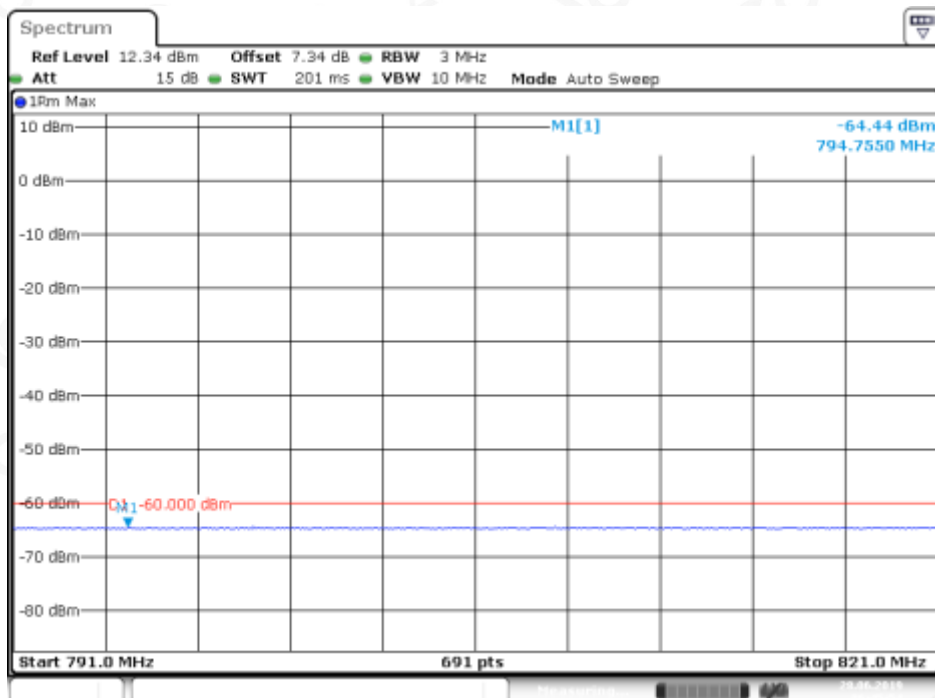
Date: 28.JUN.2019 06:45:35



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

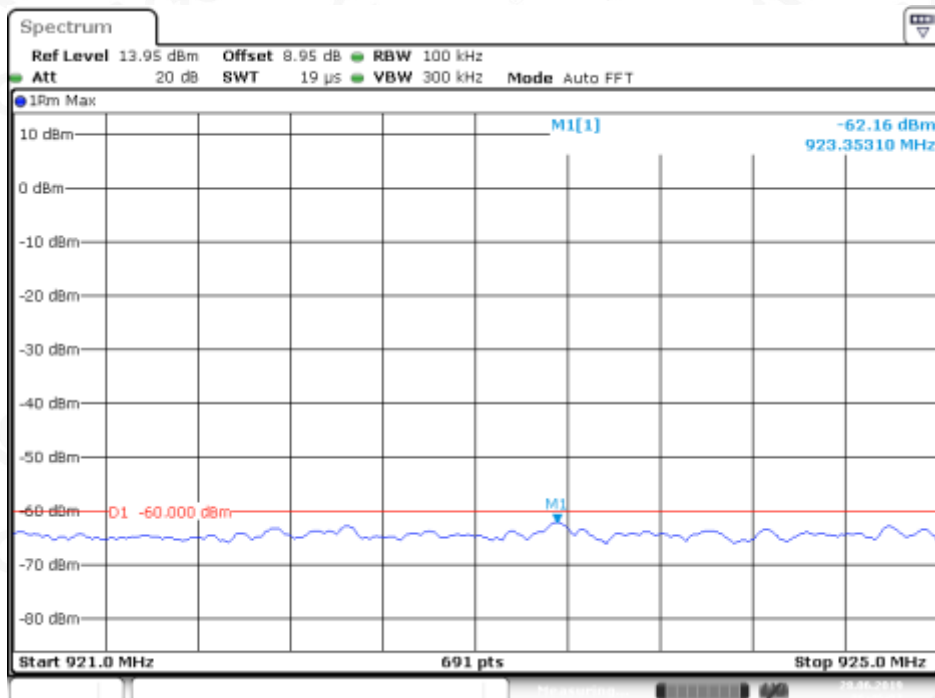
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 06:45:54

921MHZ~925MHZ



Date: 28.JUN.2019 06:46:06



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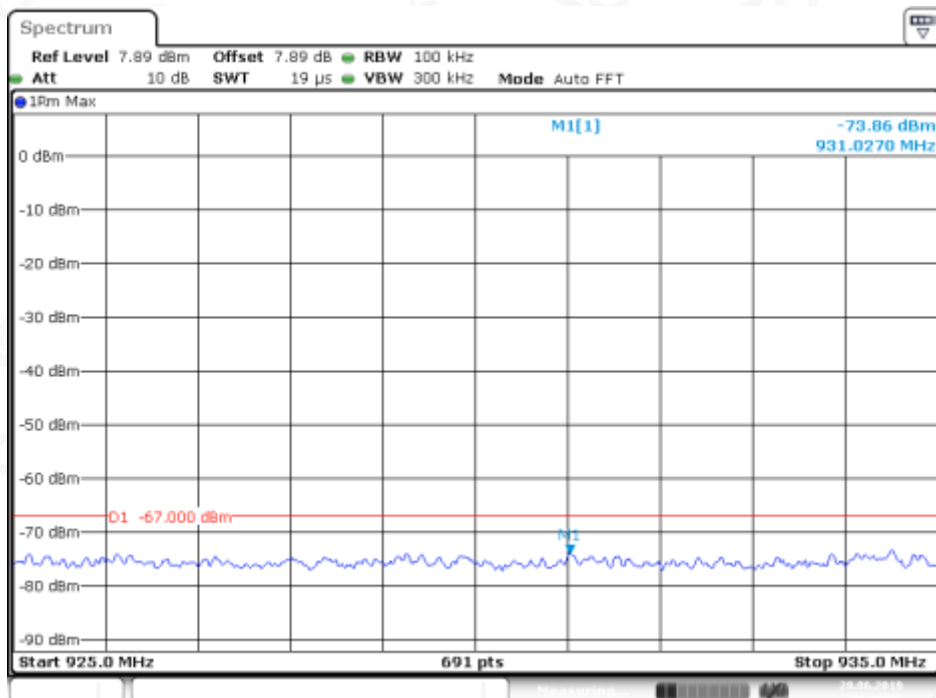
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

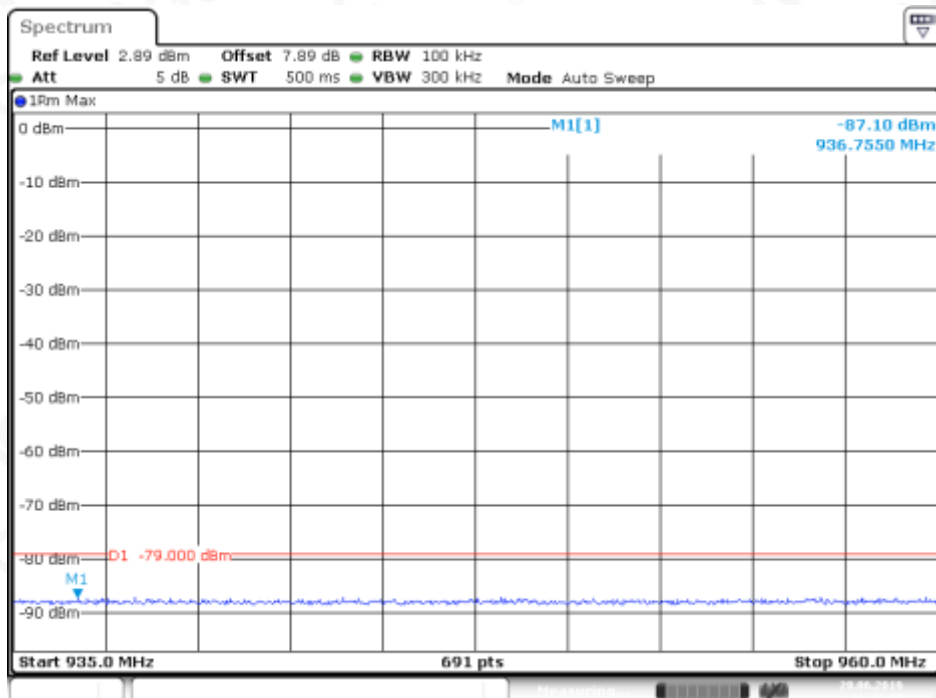
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 06:46:25

935MHZ~960MHZ



Date: 28.JUN.2019 06:46:37



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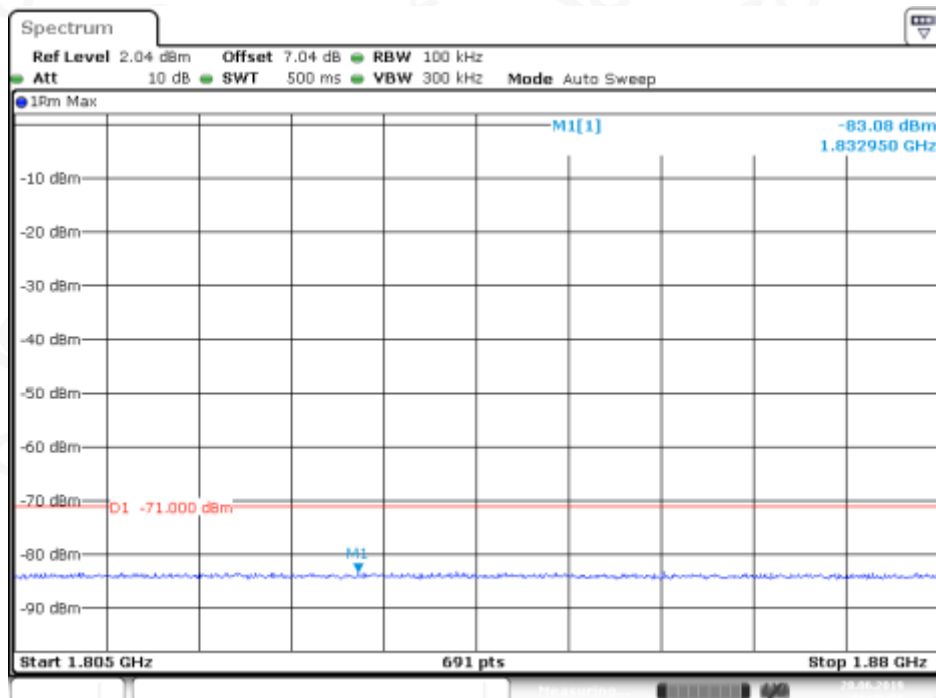
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

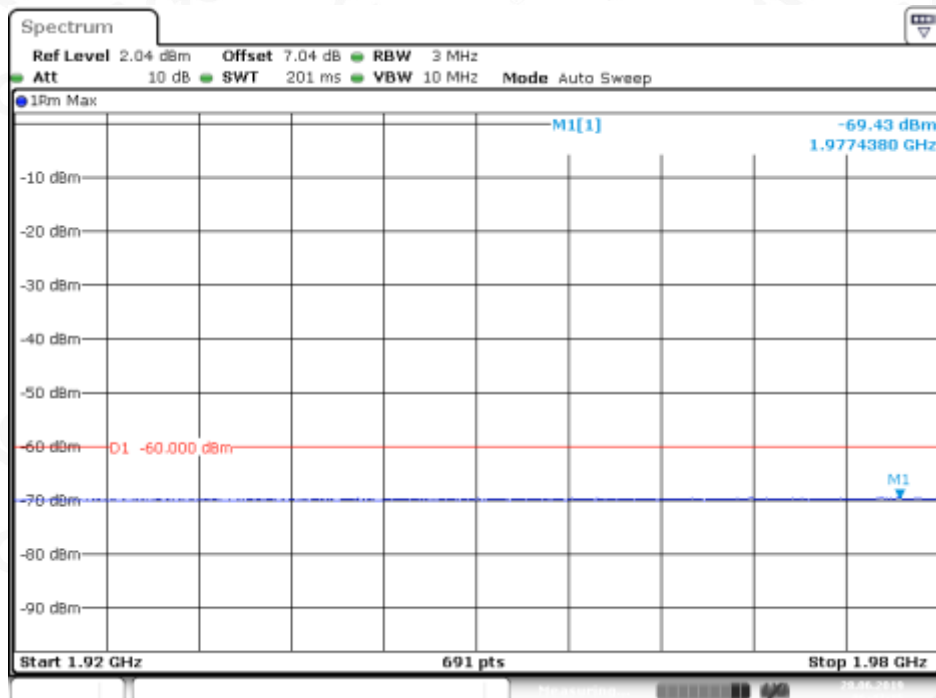
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 06:46:50

1920MHZ~1980MHZ



Date: 28.JUN.2019 06:47:14



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

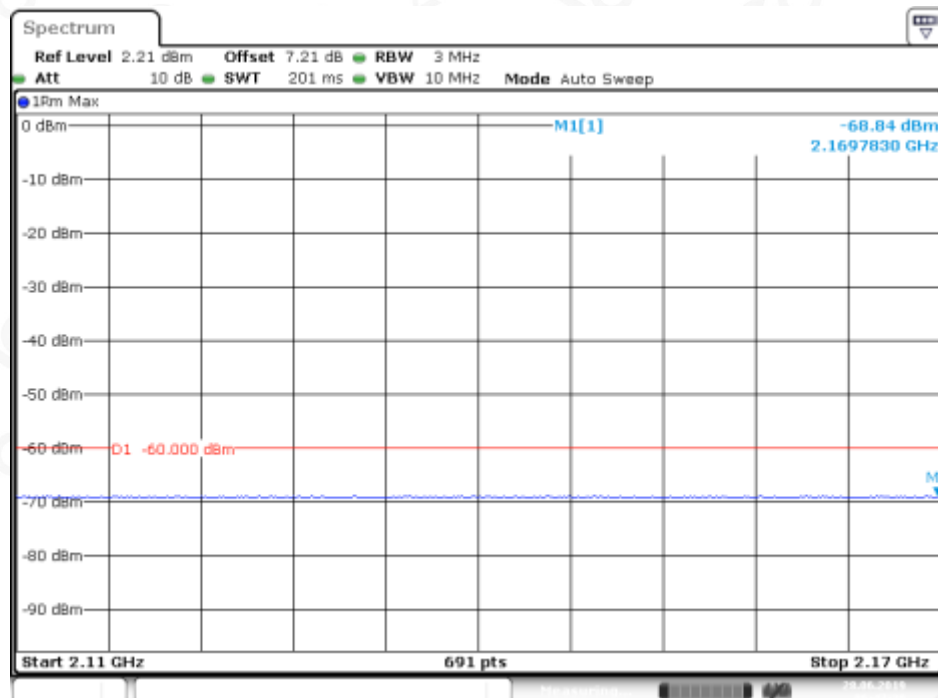
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

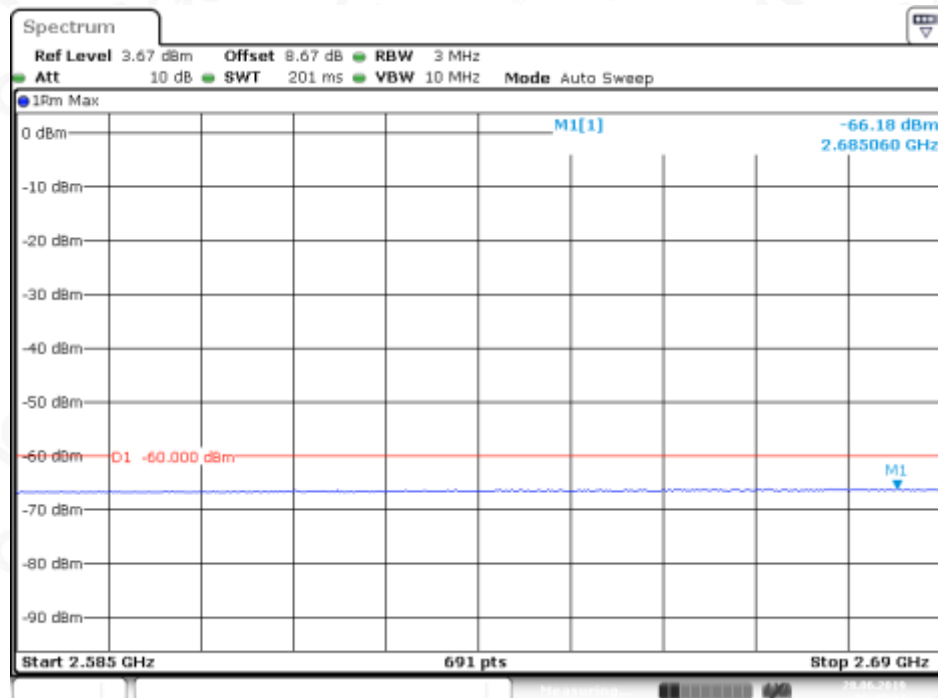
Service Hotline:400 089 2118

2110MHZ~2170MHZ



Date: 28.JUN.2019 06:47:39

2585MHZ~2690MHZ



Date: 28.JUN.2019 06:48:04



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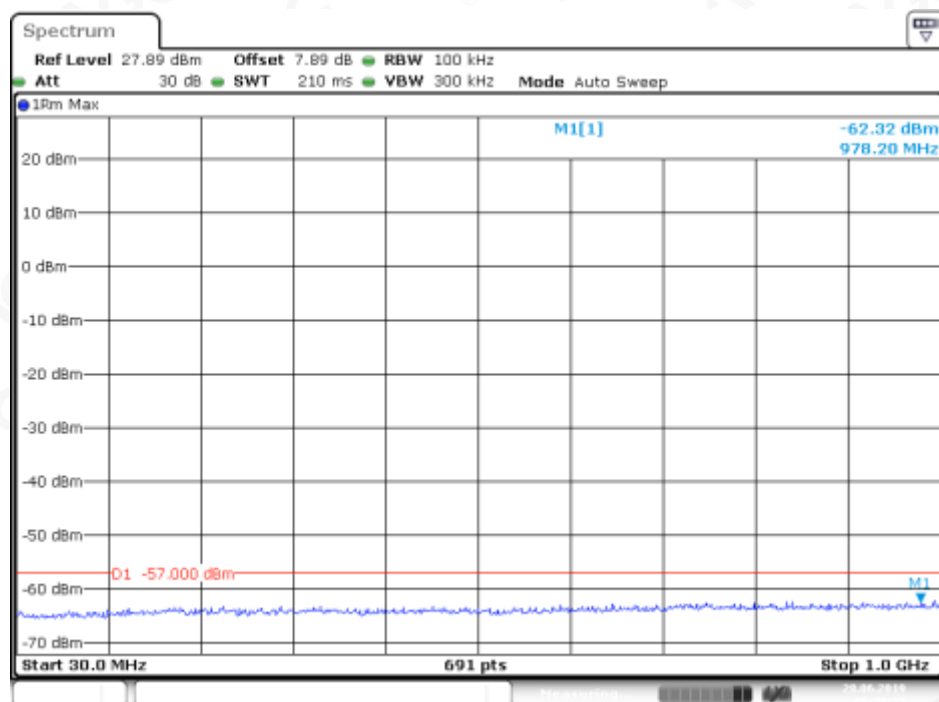
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

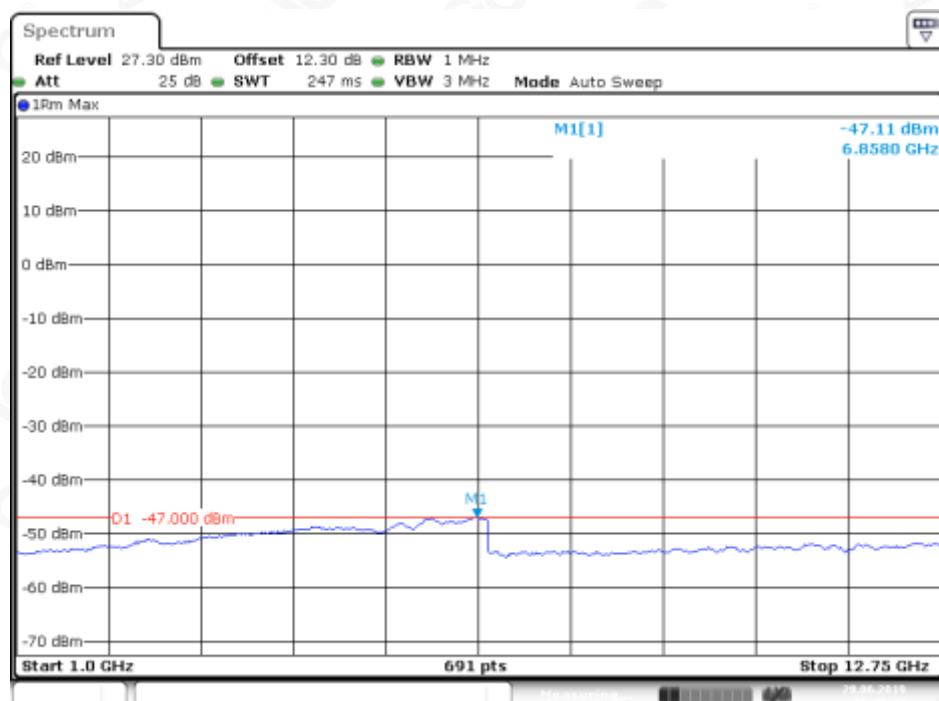
Service Hotline:400 089 2118

Channel HCH
30MHz~1GHz



Date: 28.JUN.2019 06:48:25

1GHz~12.75GHz



Date: 28.JUN.2019 06:48:44



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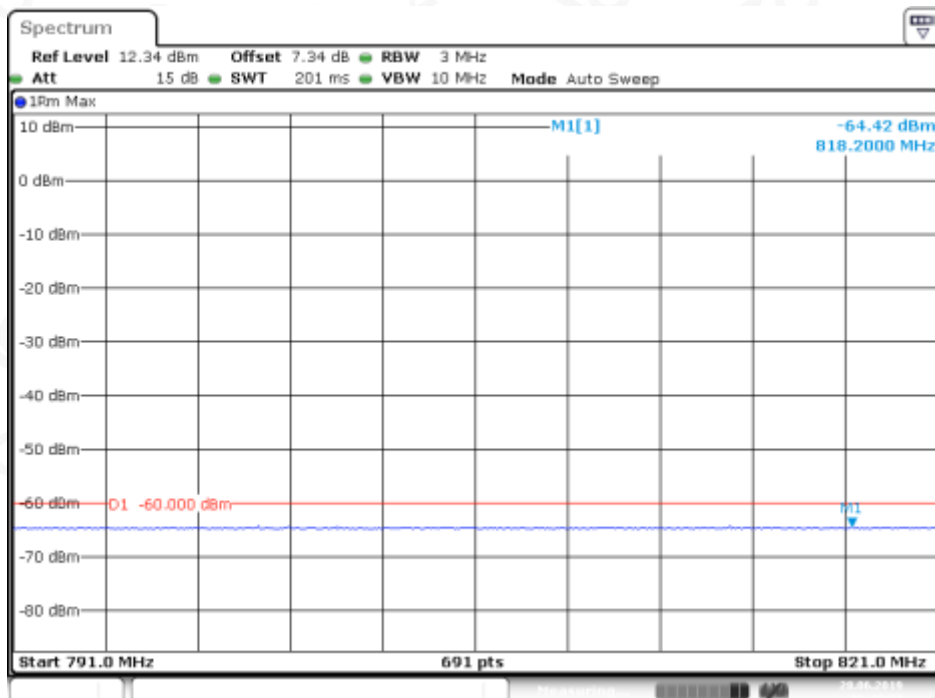
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

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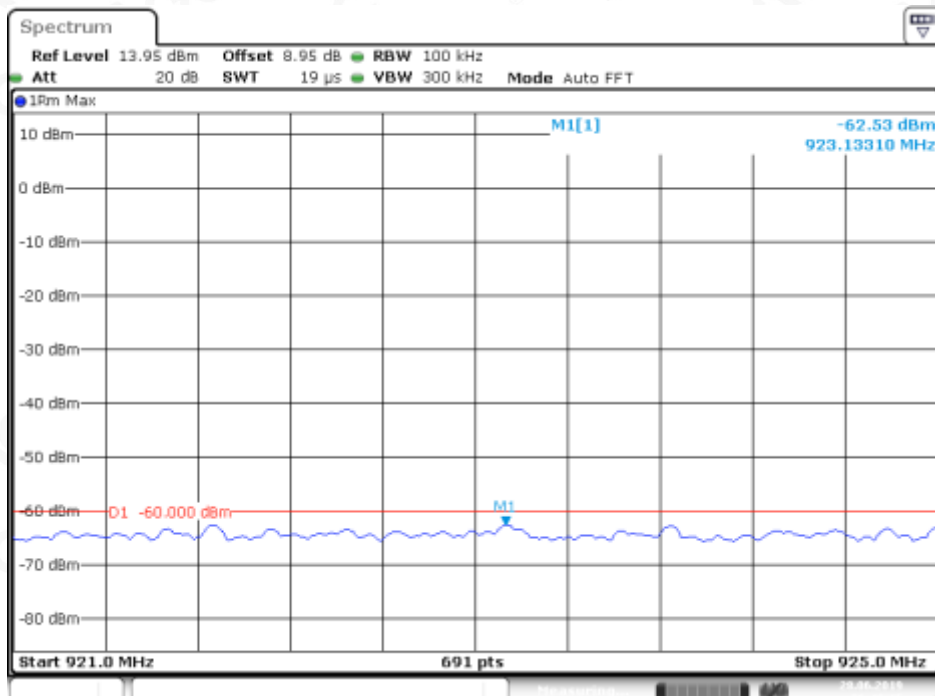
Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 06:49:02

921MHZ~925MHZ



Date: 28.JUN.2019 06:49:15



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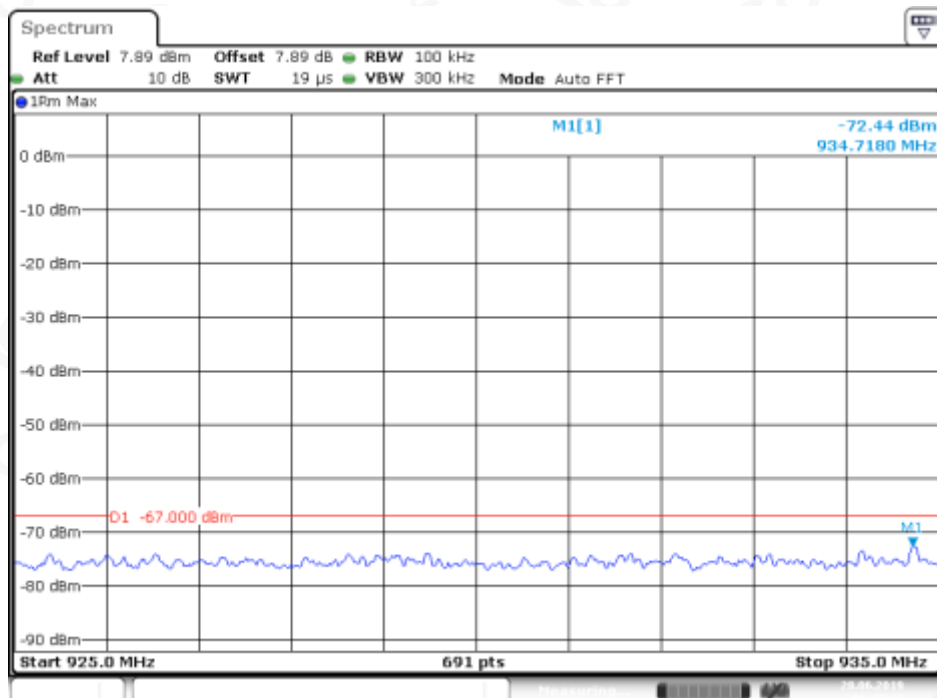
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

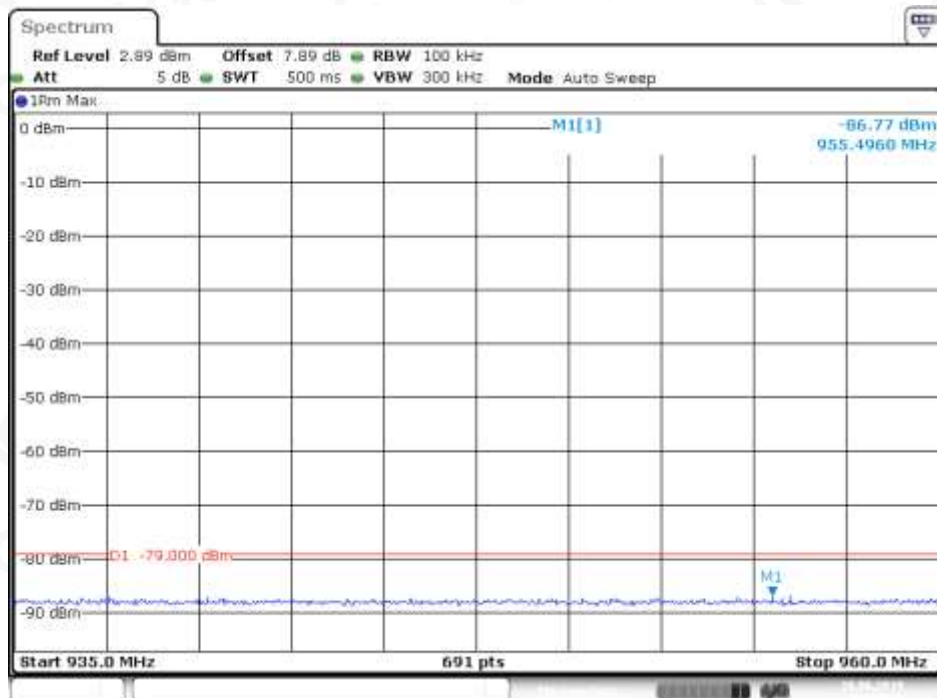
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 06:49:33

935MHZ~960MHZ



Date: 28.JUN.2019 06:49:46



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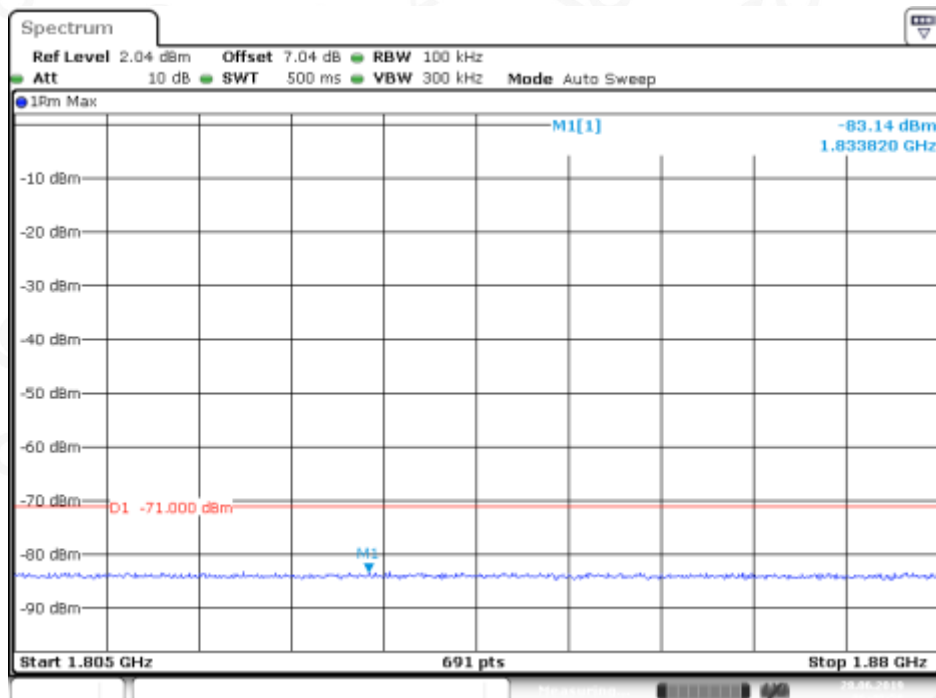
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

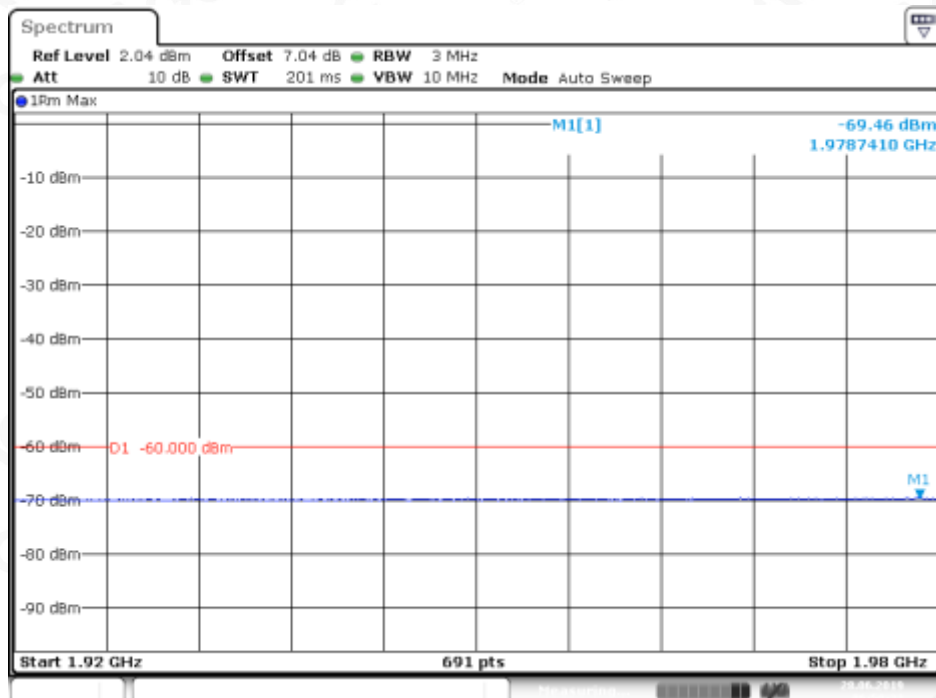
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 06:49:58

1920MHZ~1980MHZ



Date: 28.JUN.2019 06:50:23



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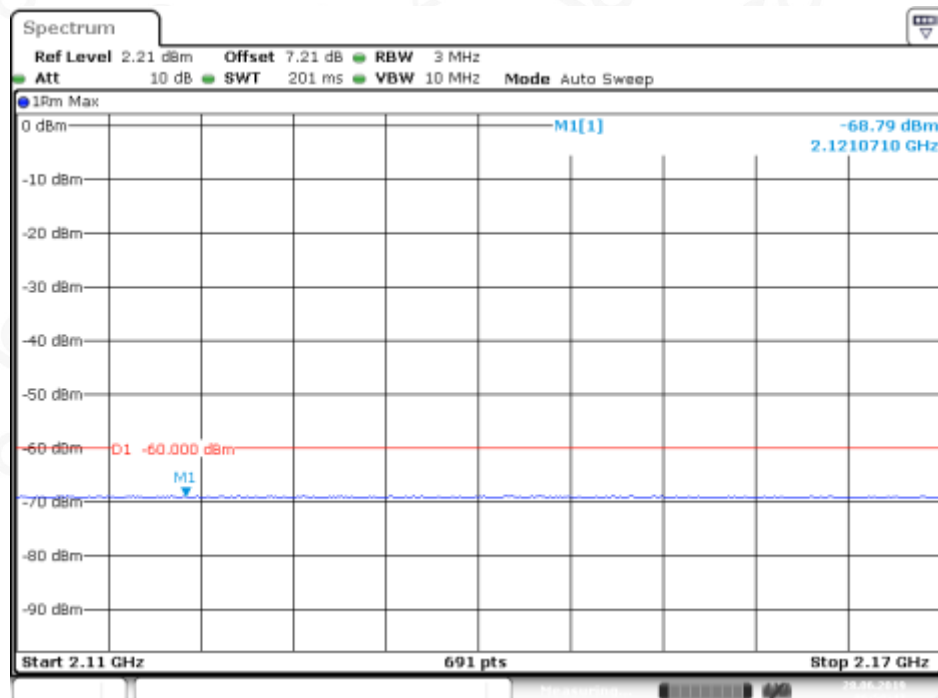
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

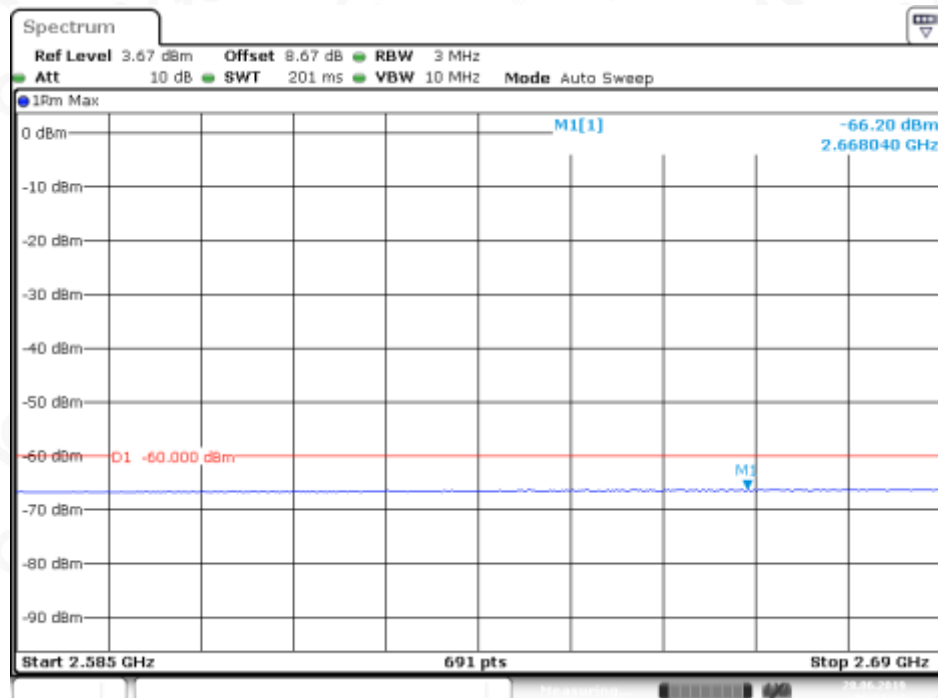
Service Hotline:400 089 2118

2110MHZ~2170MHZ



Date: 28.JUN.2019 06:50:47

2585MHZ~2690MHZ



Date: 28.JUN.2019 06:51:12



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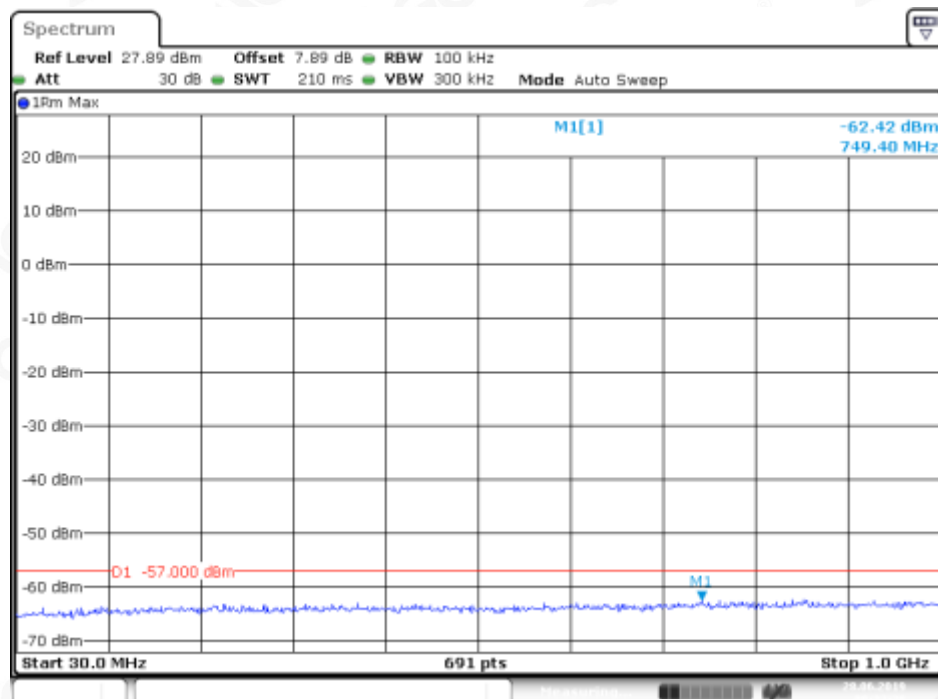
E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

BAND VIII

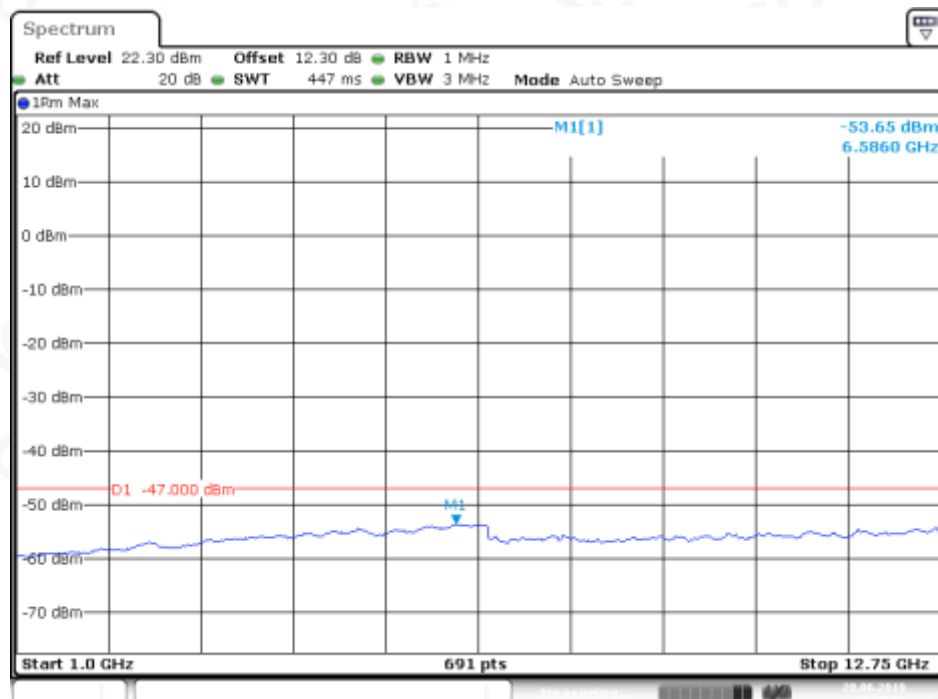
Channel LCH

30MHz~1GHz



Date: 28.JUN.2019 08:22:28

1GHz~12.75GHz



Date: 28.JUN.2019 08:22:53



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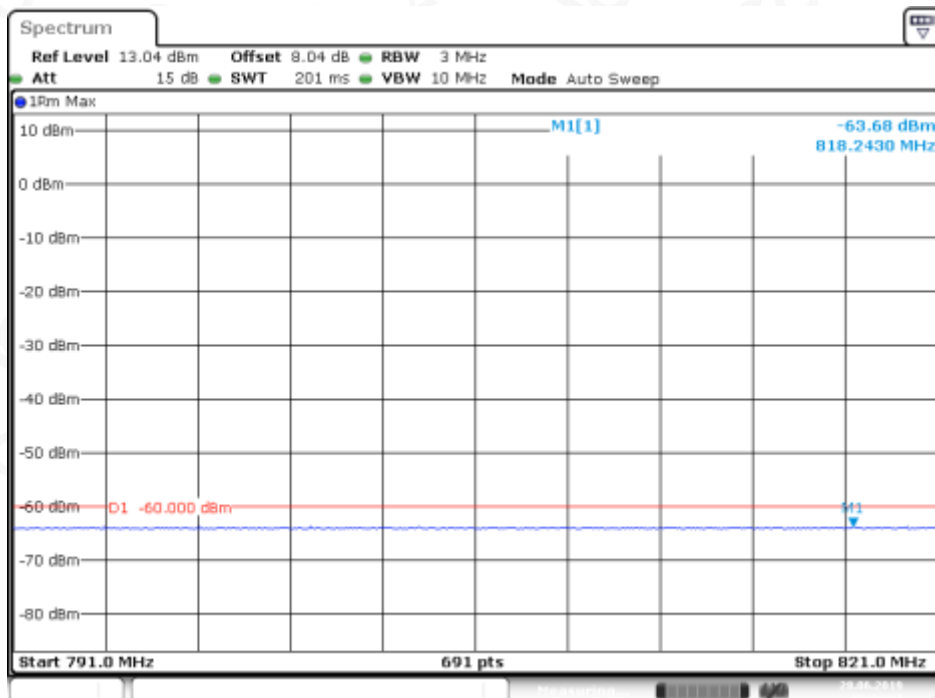
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

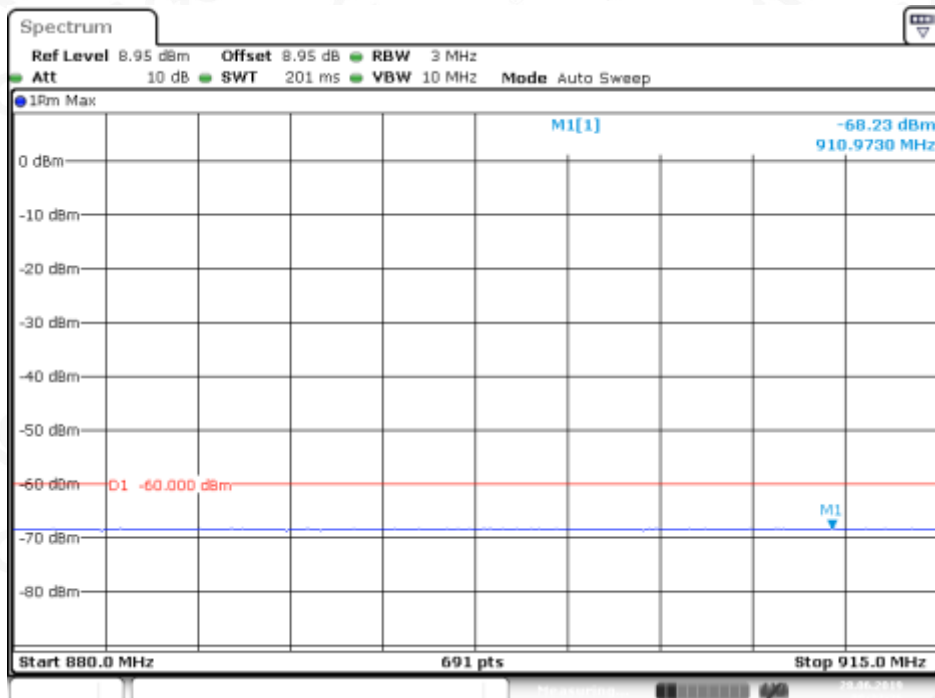
Service Hotline:400 089 2118

791MHZ~821MHZ



Date: 28.JUN.2019 08:23:11

880MHZ~915MHZ



Date: 28.JUN.2019 08:23:36



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

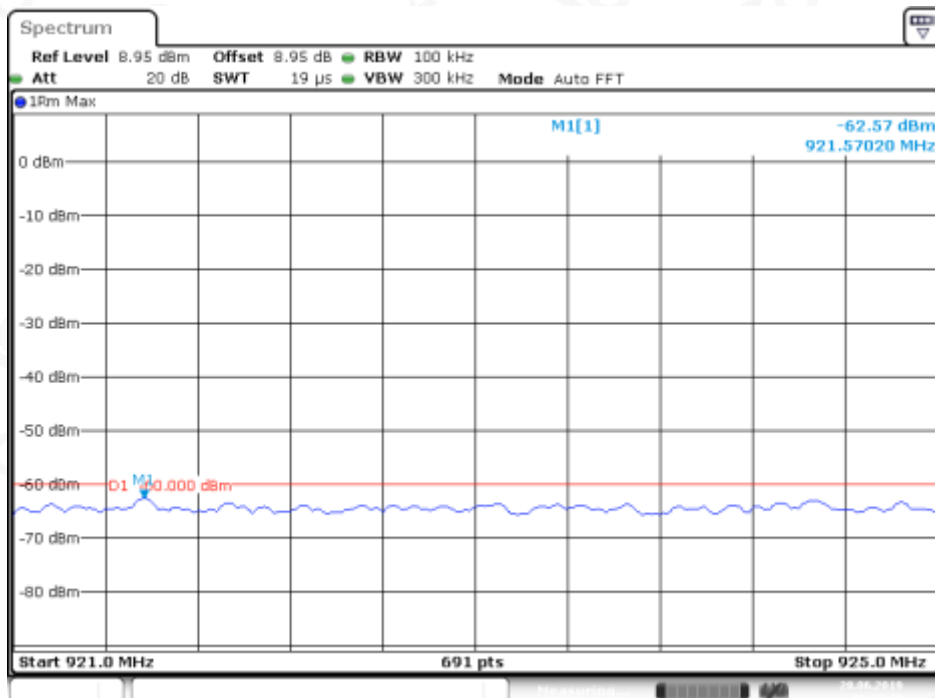
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

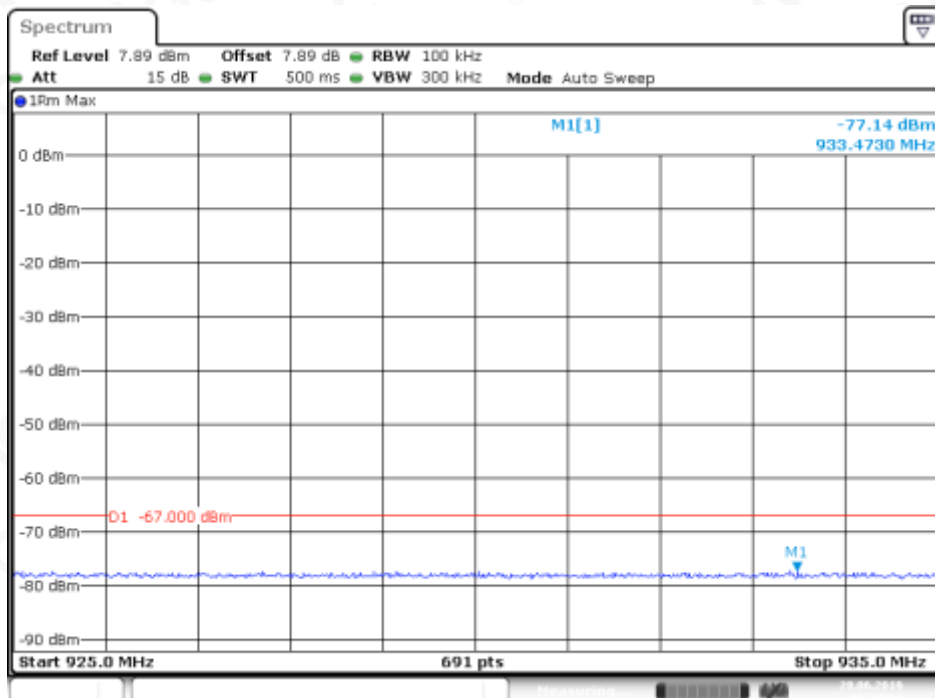
Service Hotline:400 089 2118

921MHZ~925MHZ



Date: 28.JUN.2019 08:23:48

925MHZ~935MHZ



Date: 28.JUN.2019 08:24:01



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

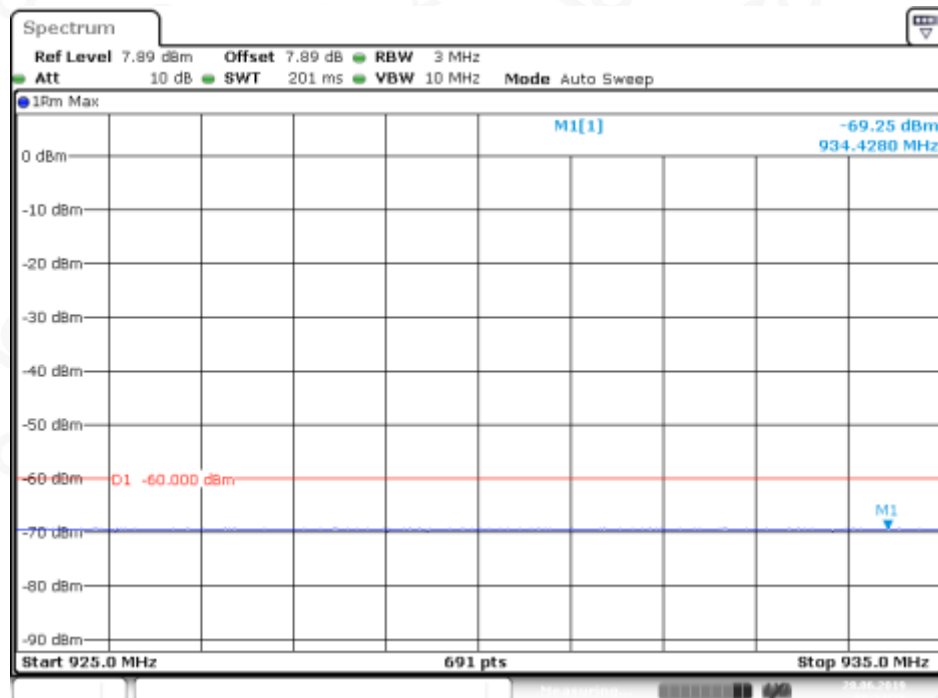
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

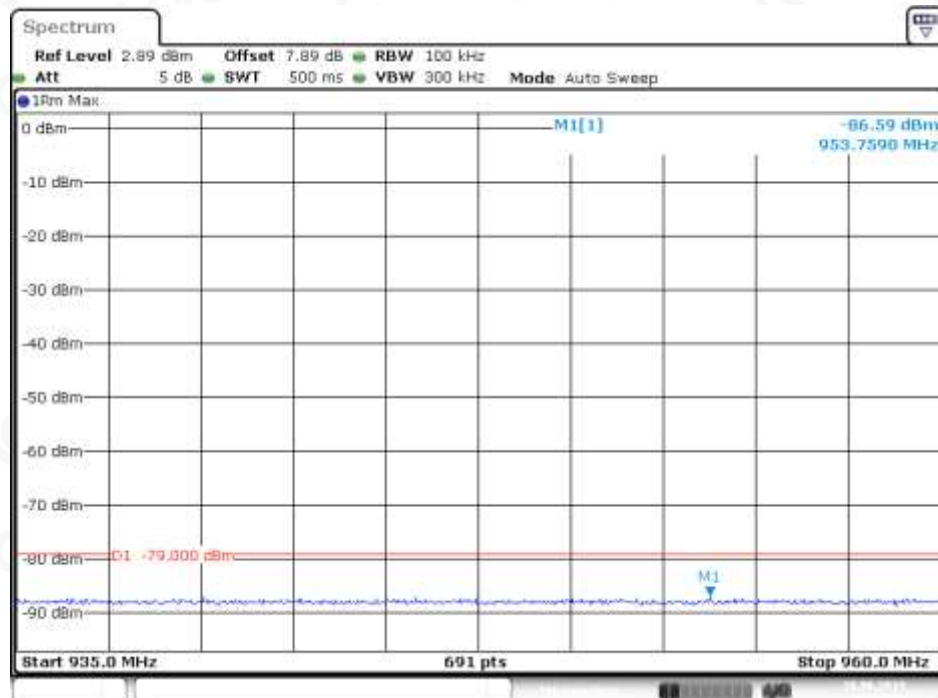
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 08:24:25

935MHZ~960MHZ



Date: 28.JUN.2019 08:24:38



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

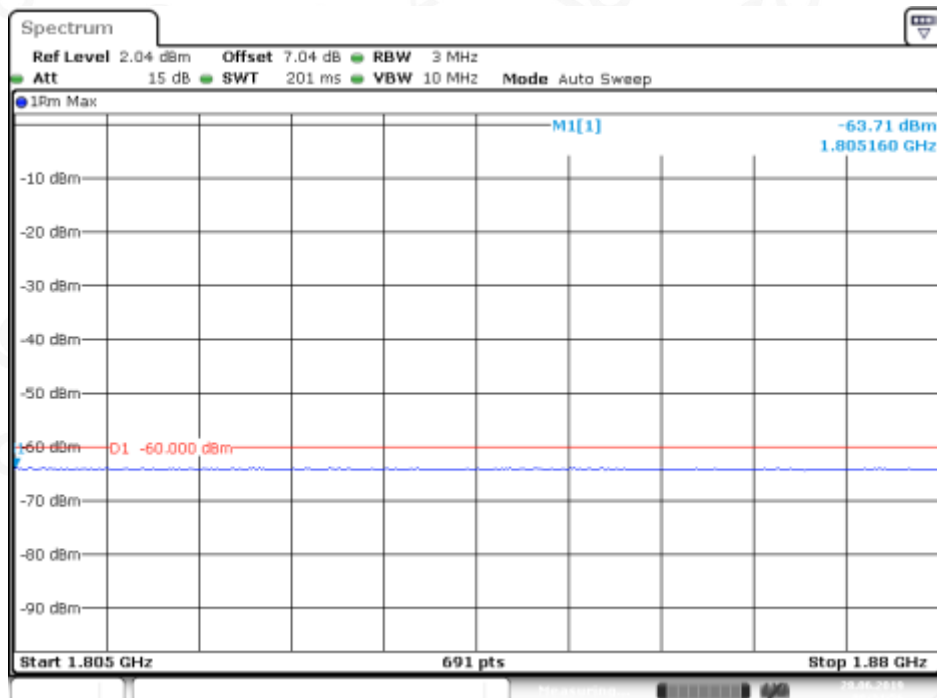
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

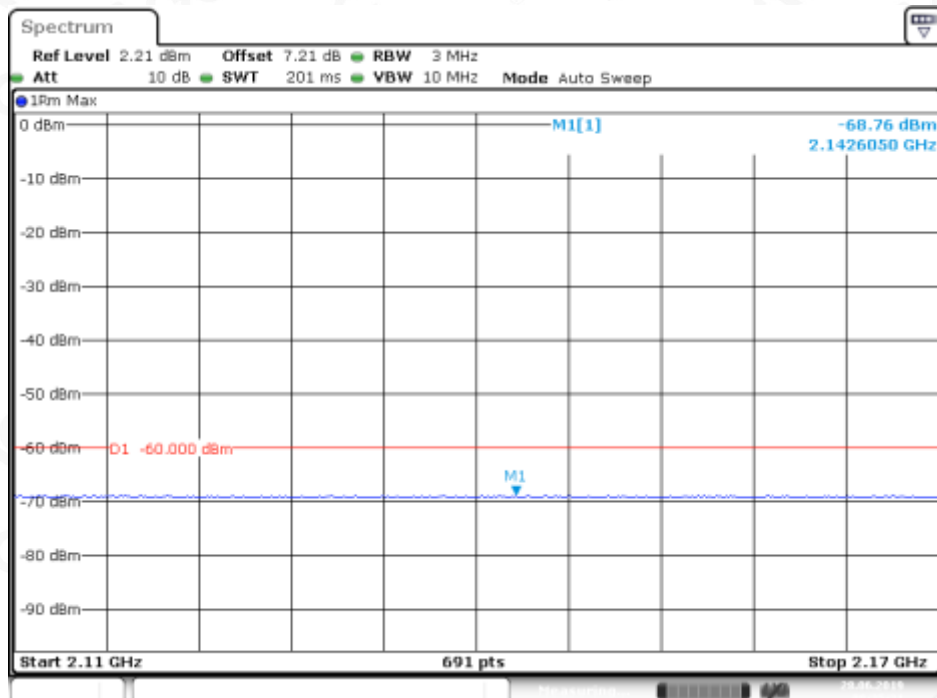
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 08:24:56

2110MHZ~2170MHZ



Date: 28.JUN.2019 08:25:21



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

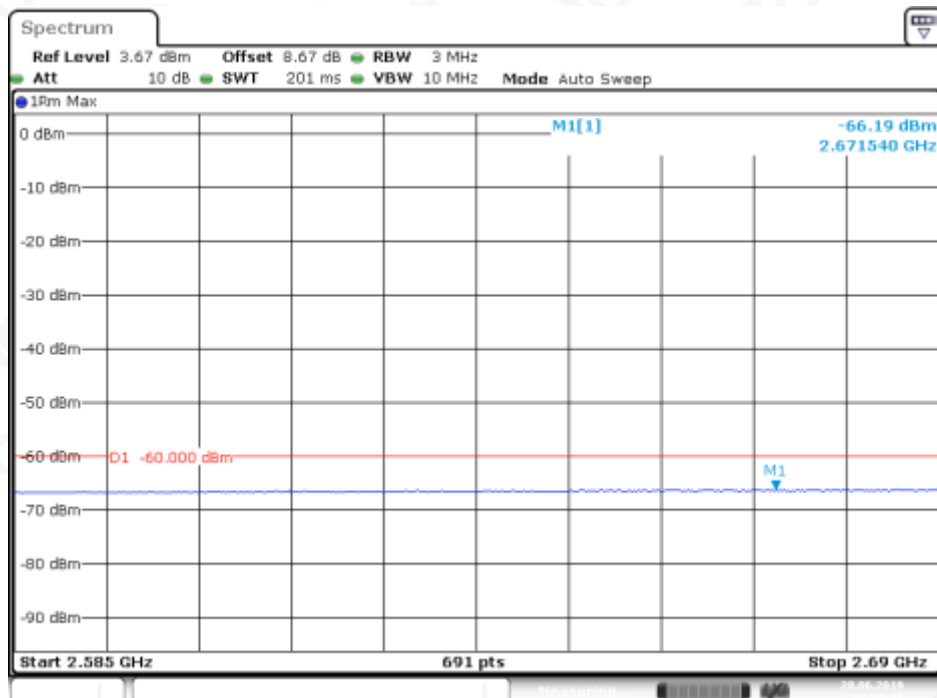
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

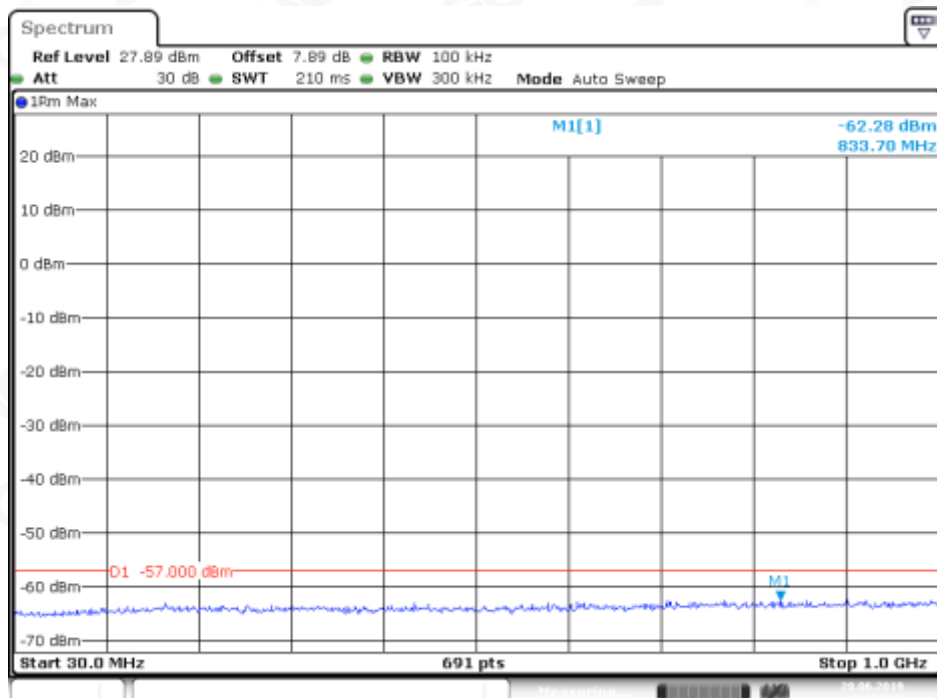
2585MHZ~2690MHZ



Date: 28.JUN.2019 08:25:46

Channel MCH

30MHZ~1GHZ



Date: 28.JUN.2019 08:26:07



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

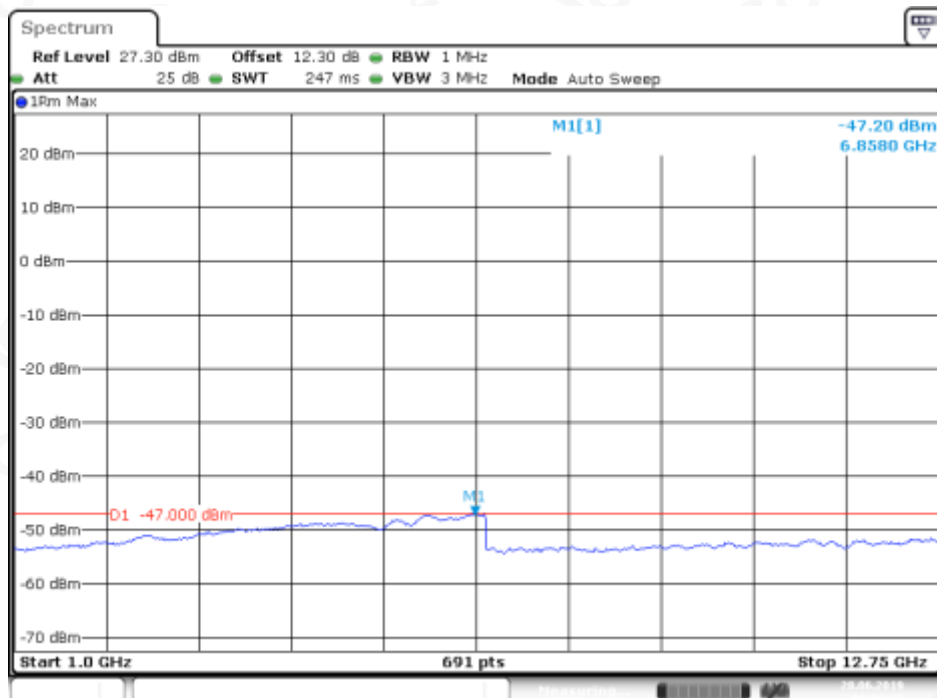
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

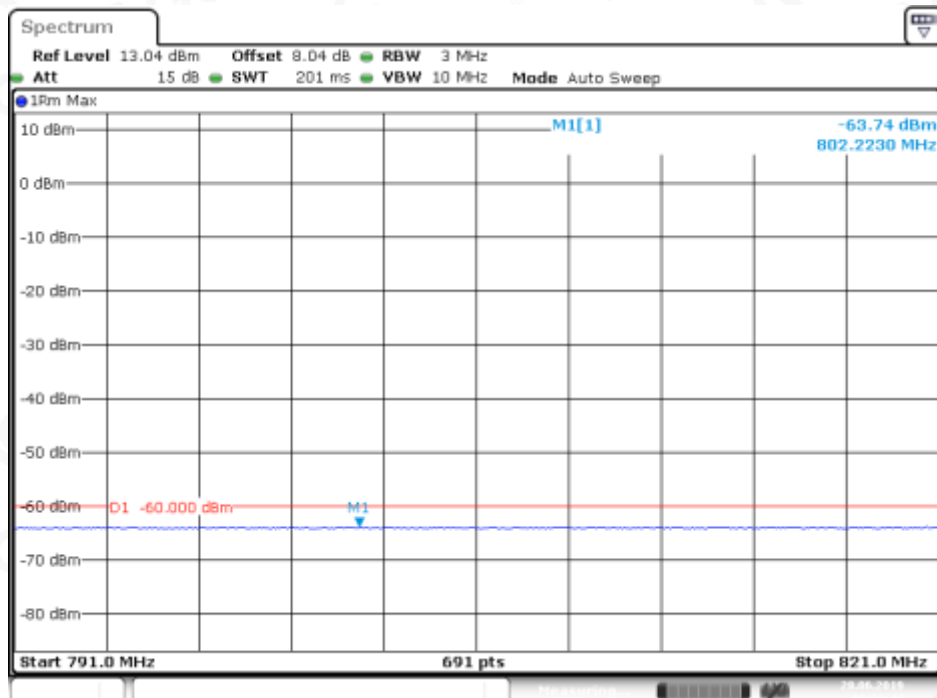
Service Hotline:400 089 2118

1GHZ~12.75GHZ



Date: 28.JUN.2019 08:26:25

791MHZ~821MHZ



Date: 28.JUN.2019 08:26:44



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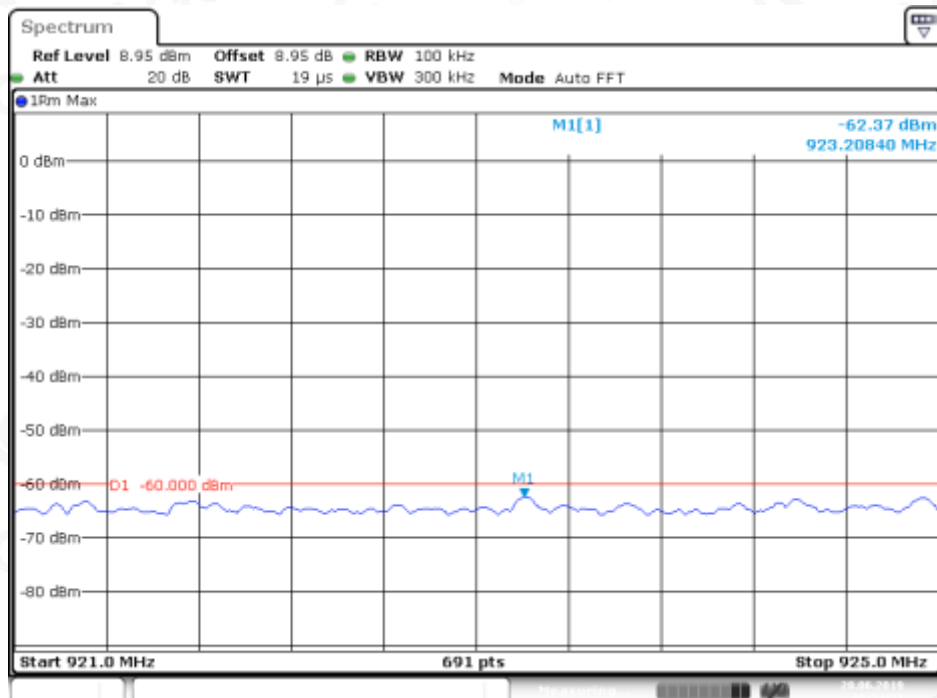
Service Hotline:400 089 2118

880MHZ~915MHZ



Date: 28.JUN.2019 08:27:09

921MHZ~925MHZ



Date: 28.JUN.2019 08:27:21



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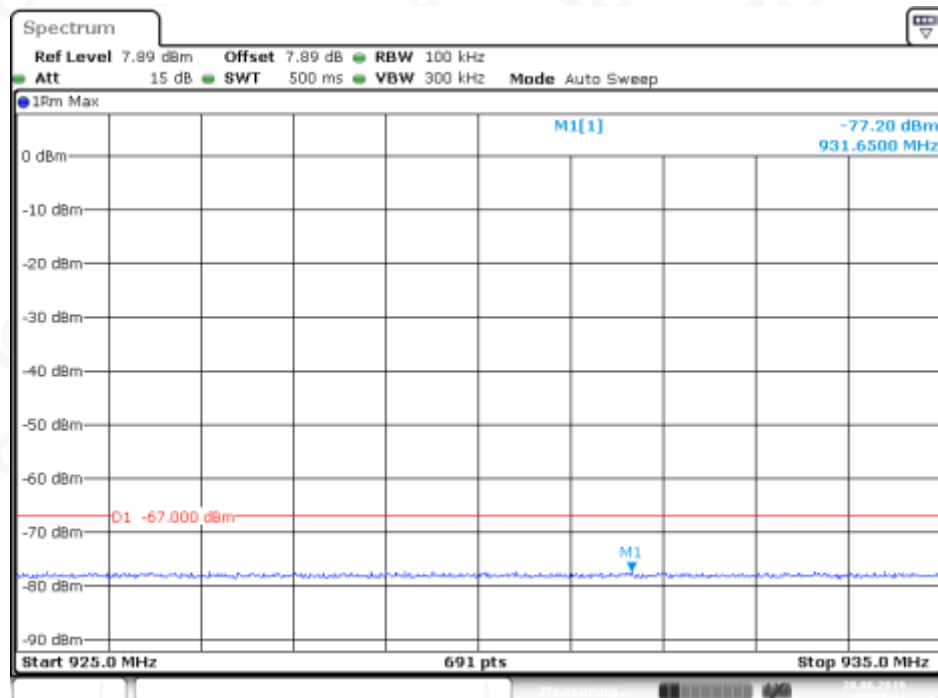
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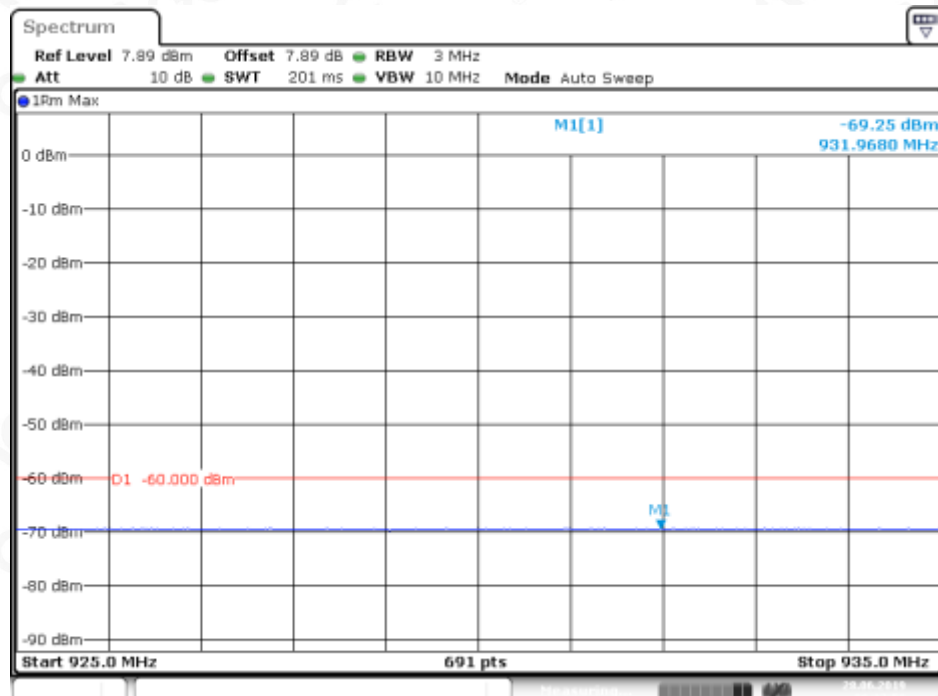
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 08:27:33

925MHZ~935MHZ



Date: 28.JUN.2019 08:27:58



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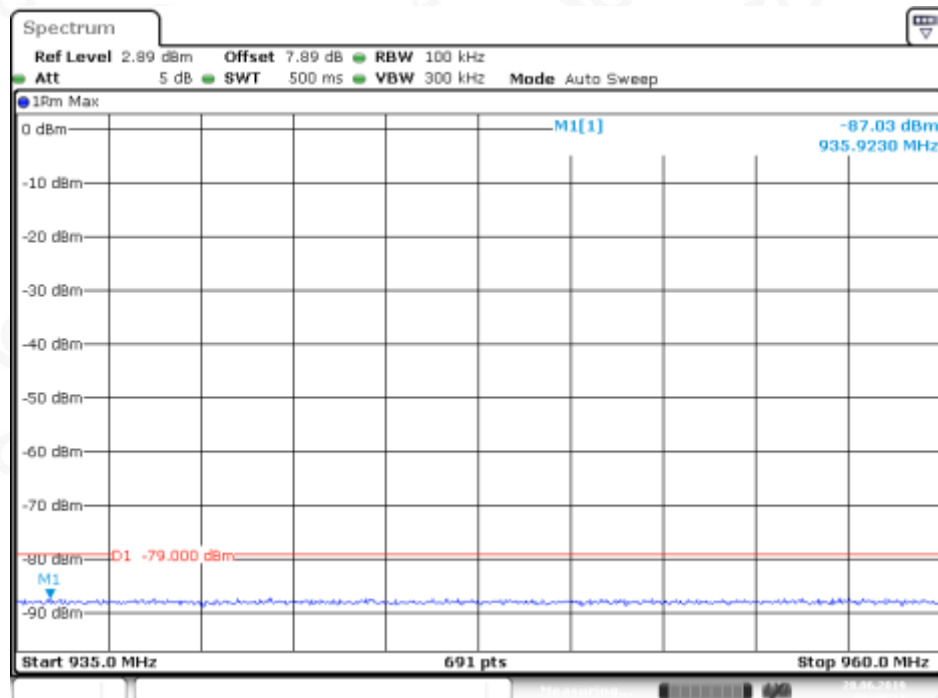
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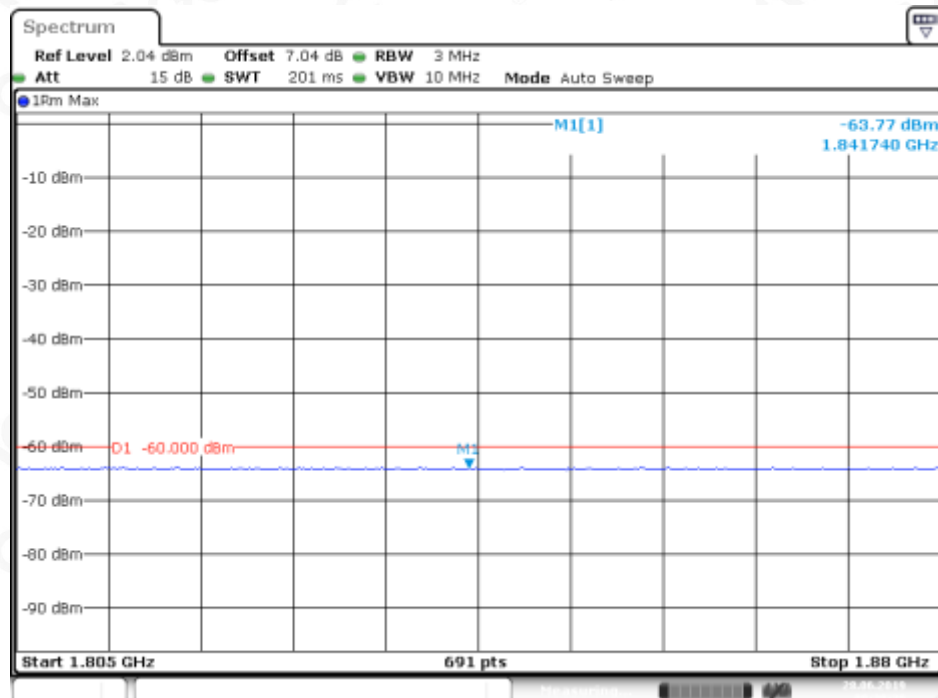
Service Hotline:400 089 2118

935MHZ~960MHZ



Date: 28.JUN.2019 08:28:11

1805MHZ~1880MHZ



Date: 28.JUN.2019 08:28:29



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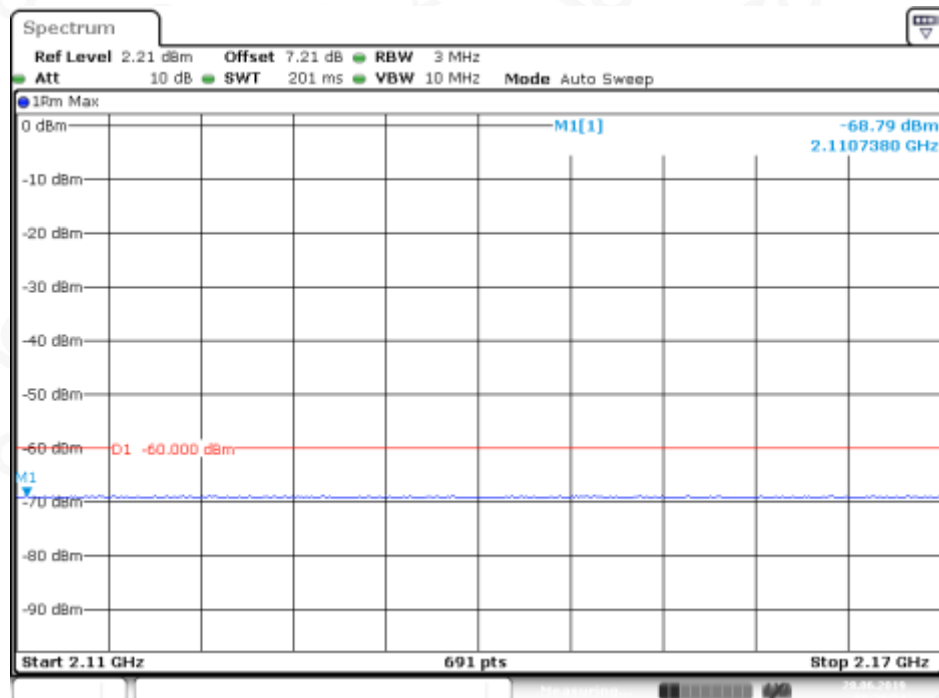
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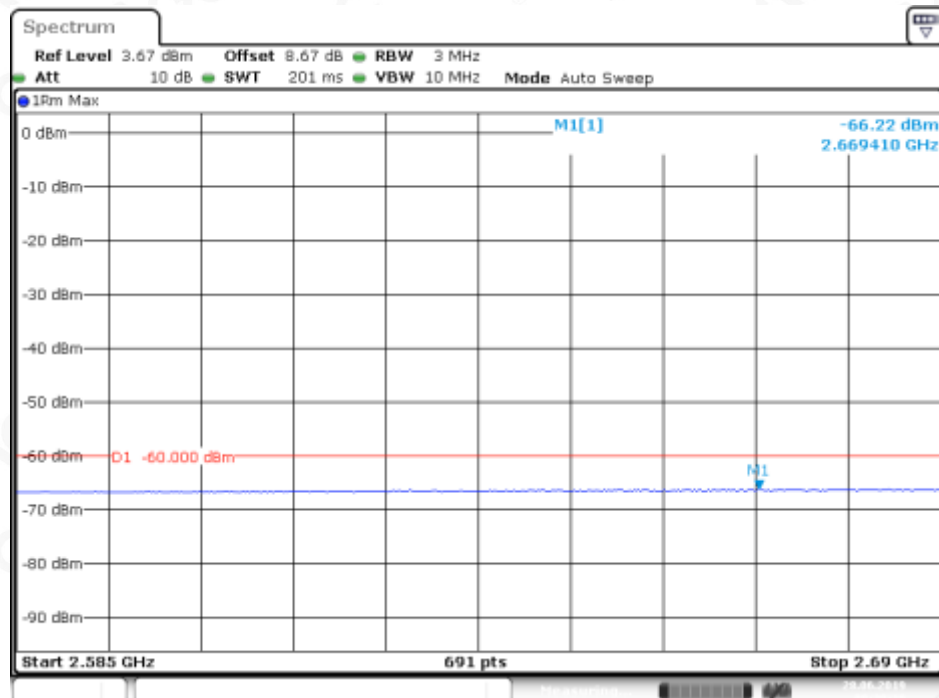
Service Hotline:400 089 2118

2110MHZ~2170MHZ



Date: 28.JUN.2019 08:28:54

2585MHZ~2690MHZ



Date: 28.JUN.2019 08:29:19



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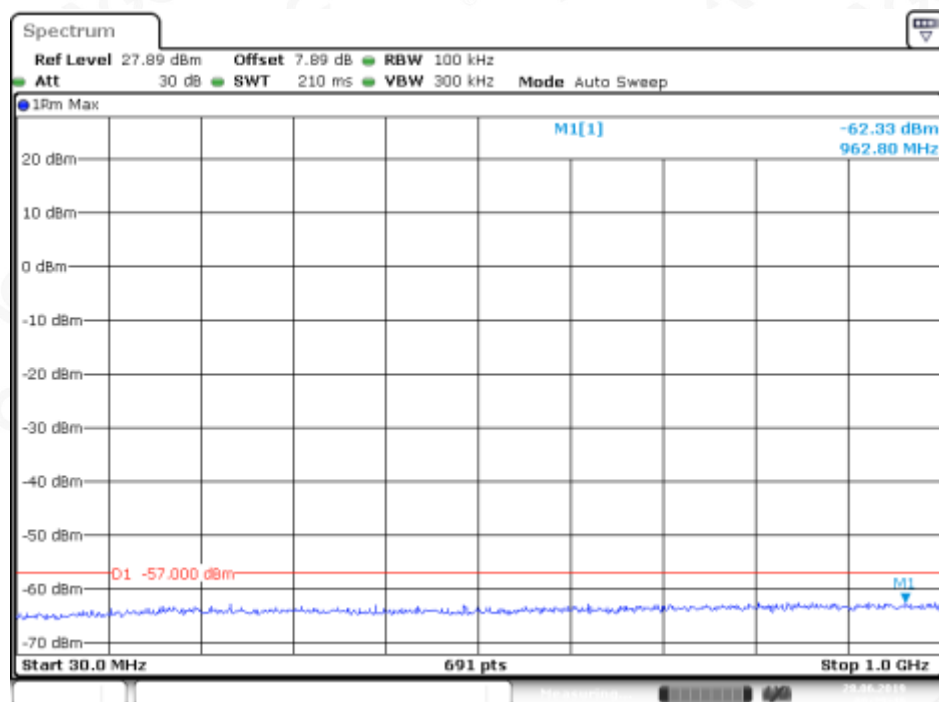
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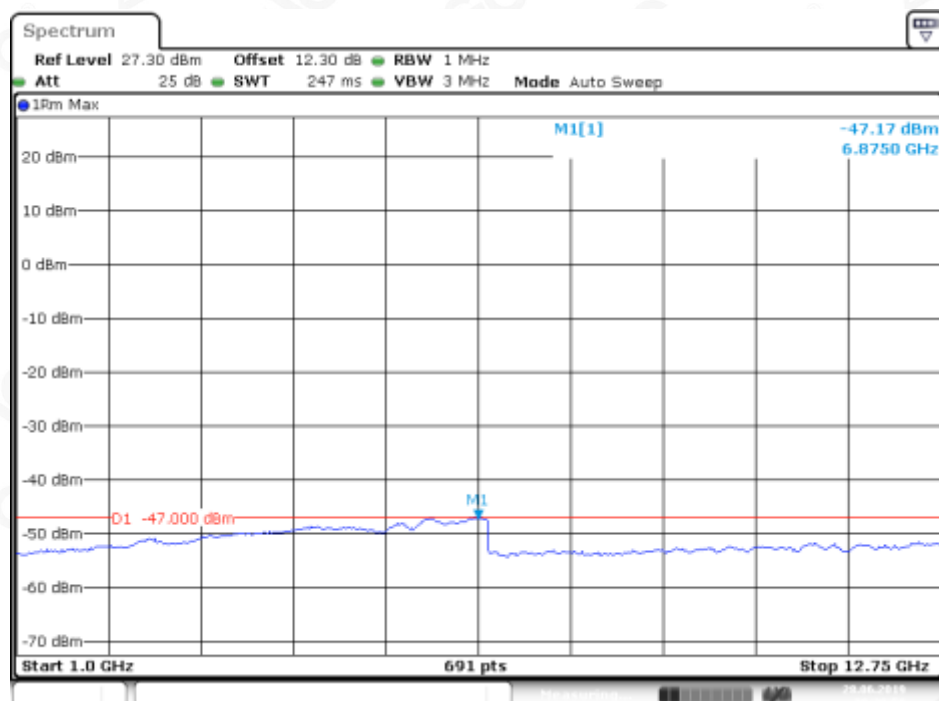
Service Hotline:400 089 2118

Channel HCH
30MHz~1GHz



Date: 28.JUN.2019 08:29:40

1GHz~12.75GHz



Date: 28.JUN.2019 08:29:58



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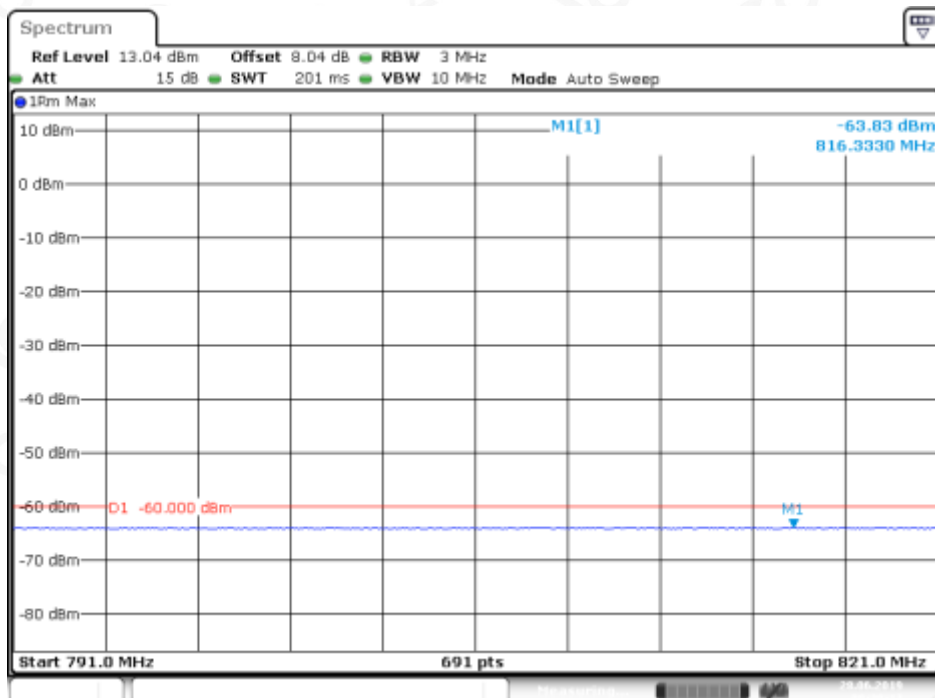
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791MHZ~821MHZ



Date: 28.JUN.2019 08:30:17

880MHZ~915MHZ



Date: 28.JUN.2019 08:30:42



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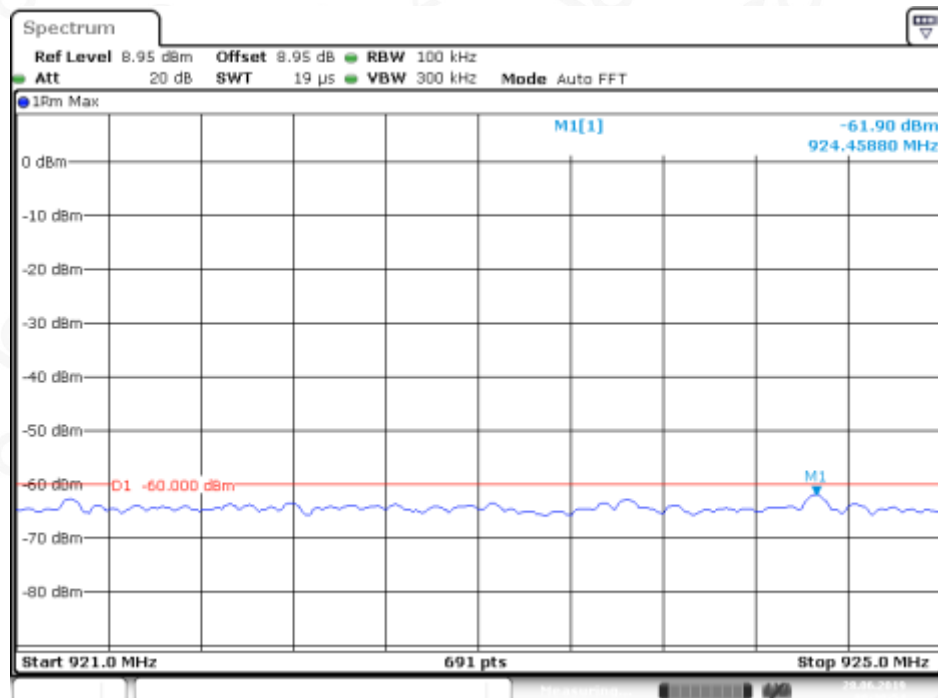
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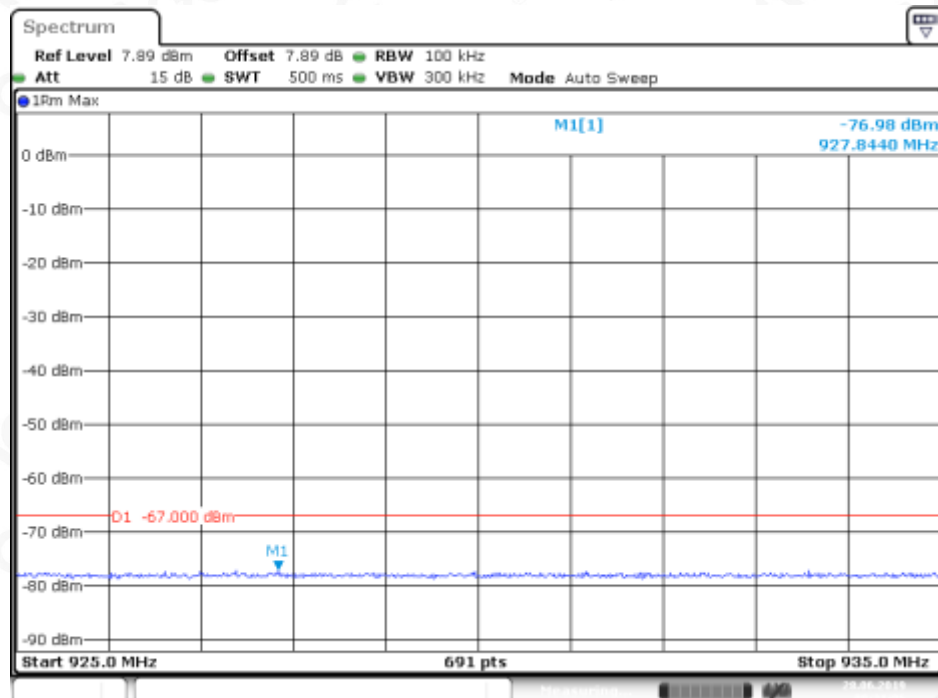
Service Hotline:400 089 2118

921MHZ~925MHZ



Date: 28.JUN.2019 08:30:54

925MHZ~935MHZ



Date: 28.JUN.2019 08:31:07



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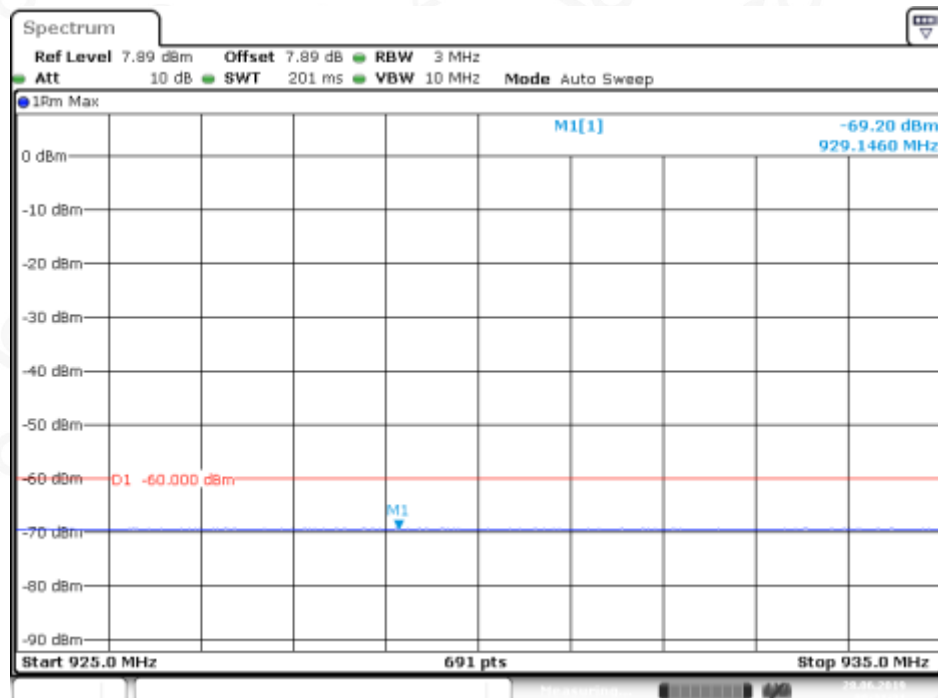
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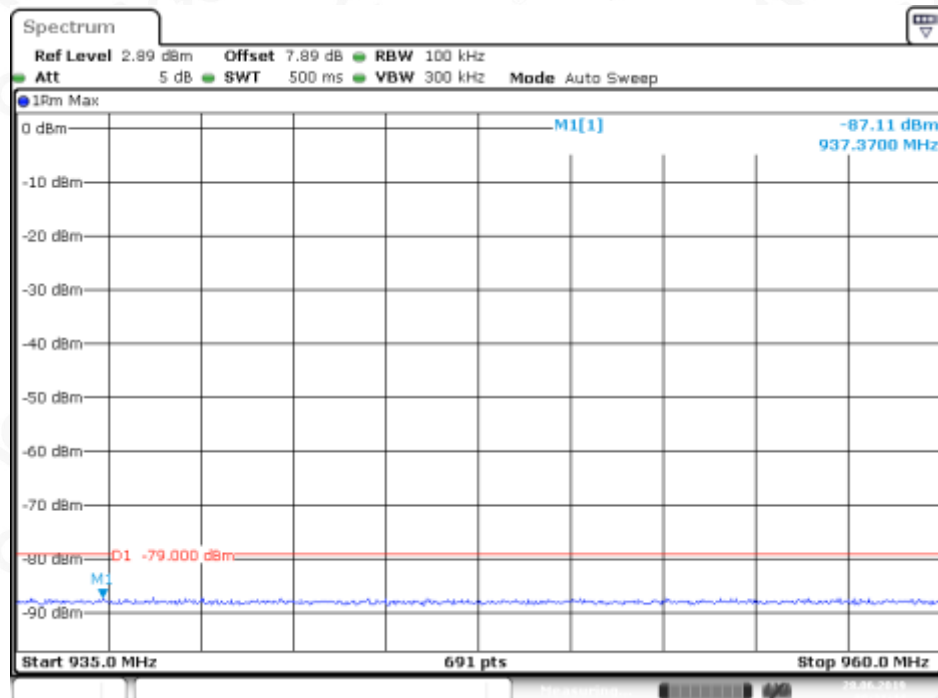
Service Hotline:400 089 2118

925MHZ~935MHZ



Date: 28.JUN.2019 08:31:31

935MHZ~960MHZ



Date: 28.JUN.2019 08:31:44



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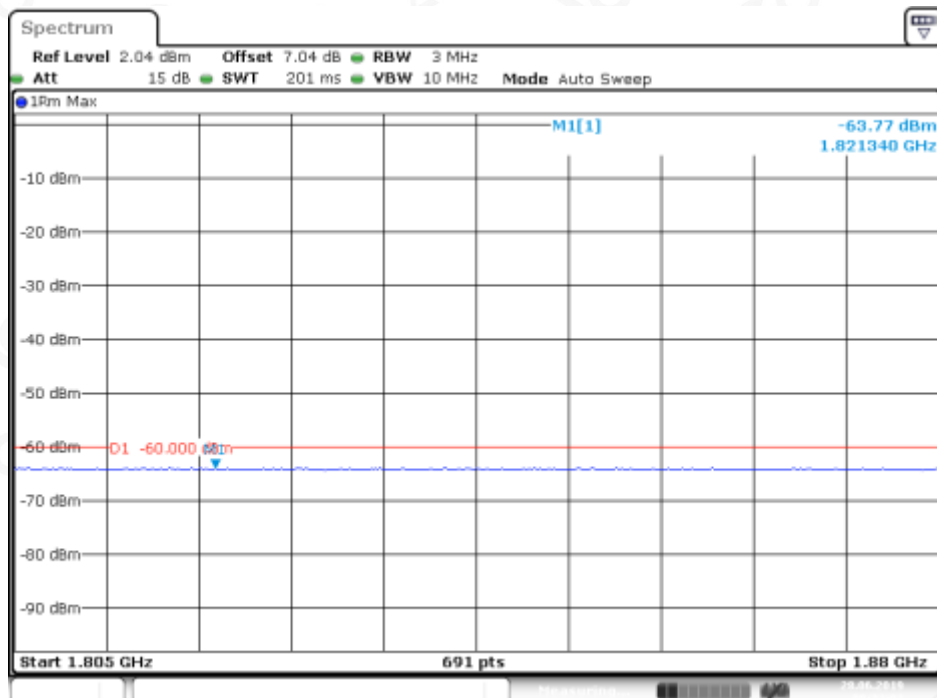
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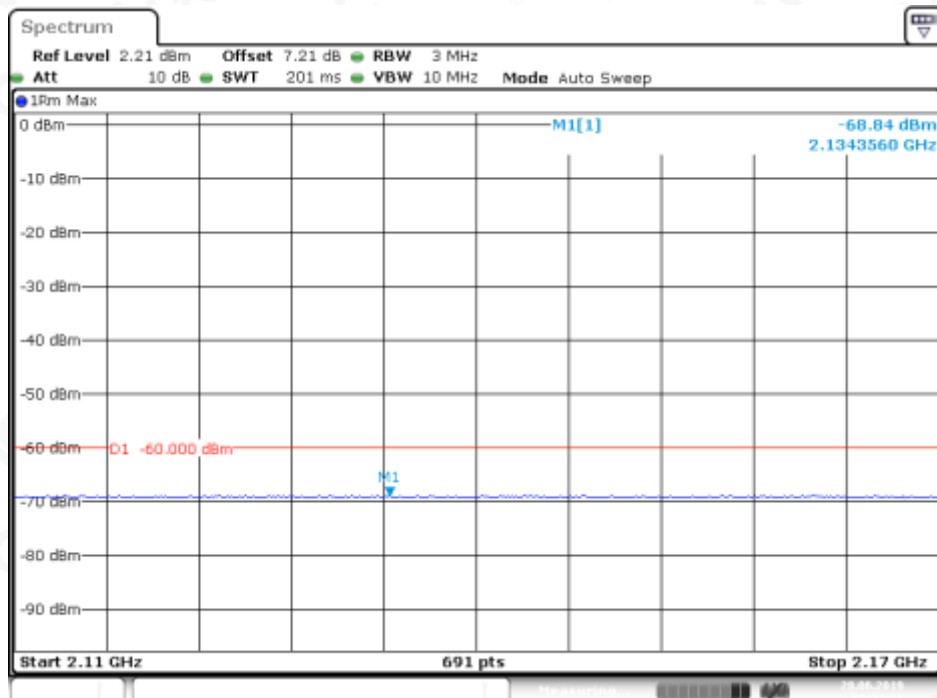
Service Hotline:400 089 2118

1805MHZ~1880MHZ



Date: 28.JUN.2019 08:32:02

2110MHZ~2170MHZ



Date: 28.JUN.2019 08:32:27



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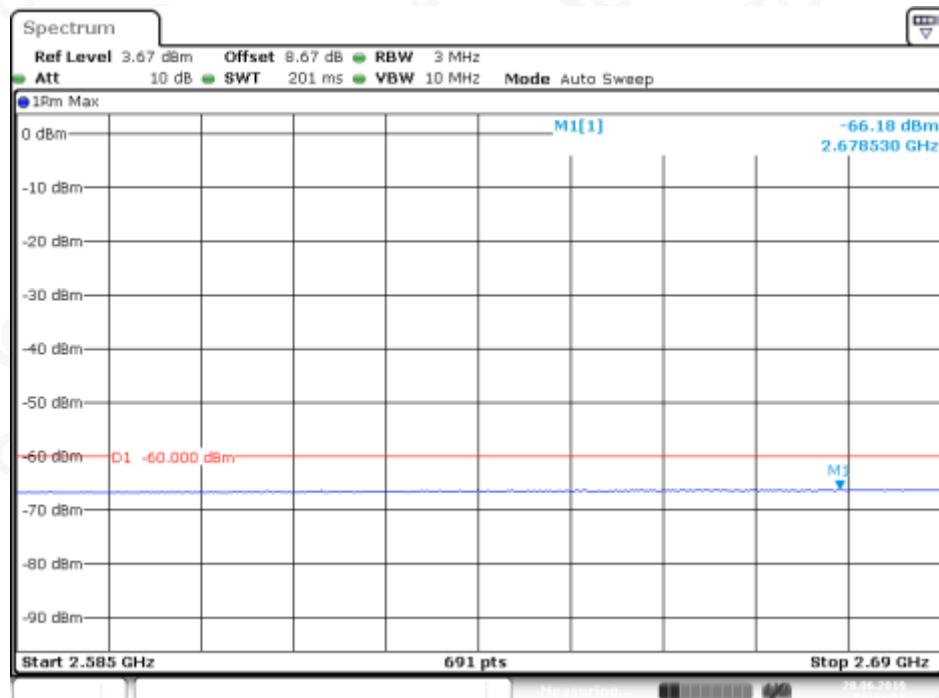
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2585MHZ~2690MHZ



Date: 28.JUN.2019 08:32:52



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Appendix M. Receiver channel selectivity(ACS)

WCDMA Band I			
Parameter	Unit	Case 1	Case 2
loac mean power (modulated)	dBm	-52	-25
Fuw (offset)	MHz	+5 or -5	+5 or -5
UE transmitted mean power	dBm	20	20
BER		0	0
Result		PASS	PASS

WCDMA Band VIII			
Parameter	Unit	Case 1	Case 2
loac mean power	dBm	-52	-25
Fuw (offset)	MHz	+5 or -5	+5 or -5
UE transmitted	dBm	20	20
BER		0	0
Result		Pass	Pass



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Appendix N. Receiver intermodulation characteristics

WCDMA Band I			
Parameter	Level		Unit
low1 (CW)	-46		dBm
low2 mean power (modulated)	-46		dBm
Fuw1 (offset)	10	-10	MHz
Fuw2 (offset)	20	-20	MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	

WCDMA Band VIII			
Parameter	Level		Unit
low1 (CW)	-46		dBm
low2 mean power (modulated)	-46		dBm
Fuw1 (offset)	10	-10	MHz
Fuw2 (offset)	20	-20	MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	



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Appendix O. Receiver blocking characteristics

In-band Blocking Test

WCDMA Band I			
Parameter	Unit	Level	
Blocking mean power (modulated)	dBm	-56 (For F _{uw} offset 10 MHz)	-44 (For F _{uw} offset 10 MHz)
UE Transmitted mean power	dBm	20 dBm	
F _{uw}	MHz	2102.4 ≤ f ≤ 2177.6	2095 ≤ f ≤ 2185
BER	%	0	0
Result		Pass	Pass

WCDMA Band VIII			
Parameter	Unit	Level	
Blocking mean power (modulated)	dBm	-56 (For F _{uw} offset 10 MHz)	-44 (For F _{uw} offset 10 MHz)
UE Transmitted mean power	dBm	20 dBm	
F _{uw}	MHz	917.4 ≤ f ≤ 967.6	910 ≤ f ≤ 975
BER	%	0	0
Result		Pass	Pass

Out-band Blocking Test

WCDMA Band I				
Parameter	Unit	Frequency range 1	Frequency range 2	Frequency range 3
Blocking (cw)	dBm	-44	-30	-15
F _{uw}	MHz	2050 < f < 2095 2185 < f < 2230	2025 < f ≤ 2050 2230 ≤ f < 2255	1 < f ≤ 2025 2255 ≤ f < 12750
Spurious Response Frequencies	MHz	NO	NO	NO
BER	%	0	0	0
Result		Pass	Pass	Pass



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WCDMA Band VIII				
Parameter	Unit	Frequency range 1	Frequency range 2	Frequency range 3
Blocking (cw)	dBm	-44	-30	-15
Fuw	MHz	865 < f < 910 975 < f < 1020	840 < f ≤ 865 1020 ≤ f < 1045	1 < f ≤ 840 1045 ≤ f < 12750
Spurious Response Frequencies	MHz	NO	NO	NO
BER	%	0	0	0
Result		Pass	Pass	Pass

Narrow Band Blocking Test:

WCDMA Band I		
Parameter	Unit	Level
blocking (GMSK)	dBm	-56
Fuw (offset)		2.8
UE Transmitted mean power	dBm	20 dBm
BER	%	0
Result		Pass

WCDMA Band VIII		
Parameter	Unit	Level
blocking (GMSK)	dBm	-56
Fuw (offset)		2.8
UE Transmitted mean power	dBm	20 dBm
BER	%	0
Result		Pass



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Appendix P. Receiver Characteristics/Spurious Response

WCDMA Band I			
Parameter	Level		Unit
Iblocking(CW)	-46		dBm
Fuw	Spurious response frequencies		MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	

WCDMA Band VIII			
Parameter	Level		Unit
Iblocking(CW)	-46		dBm
Fuw	Spurious response frequencies		MHz
UE Transmitted mean power	20 dBm	20 dBm	dBm
BER	0	0	
Result	Pass	Pass	



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Appendix Q. Out-of-synchronization handling of output power

WCDMA Band I			
Parameter	Level		Unit
I or I _{oc}	-1		dB
I _{oc}	-60		dBm
$\frac{DPDCH}{I_{or}} E_c$	-19,6		dB
Result	Pass	Pass	

WCDMA Band VIII			
Parameter	Level		Unit
I or I _{oc}	-1		dB
I _{oc}	-60		dBm
$\frac{DPDCH}{I_{or}} E_c$	-19,6		dB
Result	Pass	Pass	



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Appendix R. Receiver Reference Sensitivity level

WCDMA Band I				
	Parameter	Unit	DPCH_Ec<REFSENS>	<REFlor>
		dBm/3,84 MHz	-116,3	-106
TNVN	BER	%	0	0
	Result		Pass	Pass
TL,VL	BER	%	0	0
	Result		Pass	Pass
TL,VH	BER	%	0	0
	Result		Pass	Pass
TH,VL	BER	%	0	0
	Result		Pass	Pass
TH,VH	BER	%	0	0
	Result		Pass	Pass

WCDMA Band VIII				
	Parameter	Unit	DPCH_Ec<REFSENS>	<REFlor>
		dBm/3,84 MHz	-116,3	-106
TNVN	BER	%	0	0
	Result		Pass	Pass
TL,VL	BER	%	0	0
	Result		Pass	Pass
TL,VH	BER	%	0	0
	Result		Pass	Pass
TH,VL	BER	%	0	0
	Result		Pass	Pass
TH,VH	BER	%	0	0
	Result		Pass	Pass



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Appendix S. Radiated spurious emissions - MS in idle mode

Frequency	RBW	Max .Level (dbm)	Test Band=Band I			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-62.10	-63.74	-66.12	Pass
1 GHz ≤f ≤ 12.75 GHz	1 MHz	-47	-57.57	-57.80	-58.60	Pass
791 MHz ≤f ≤ 821 MHz	3.84 MHz	-60	-62.15	-61.36	-62.11	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-73.06	-70.39	-76.72	Pass
925 MHz ≤f ≤ 935 MHz	100 kHz	-67	-74.00	-72.50	-75.64	Pass
935 MHz < f ≤ 960 MHz	100 kHz	-79	-81.42	-81.51	-80.50	Pass
1805MHz ≤f ≤ 1880MHz	100 kHz	-60	-89.36	-83.24	-94.51	Pass
1920MHz ≤f ≤ 1980MHz	3.84 MHz	-60	-64.41	-69.26	-67.73	Pass
2 110 MHz ≤f ≤ 2 170 MHz	3.84 MHz	-60	-66.58	-67.27	-61.05	Pass
2 585 MHz ≤f ≤ 2 690 MHz	3.84 MHz	-60	-63.69	-63.30	-65.81	Pass

Frequency	RBW	Max .Level (dbm)	Test Band=Band VIII			Result
			Test Conditions=TNVN			
			Test Channel			
			LCH	MCH	HCH	
30 MHz ≤f < 1 GHz	100 kHz	-57	-61.55	-62.74	-63.55	Pass
1 GHz ≤f ≤ 12.75 GHz	1 MHz	-47	-53.60	-55.80	-57.15	Pass
791 MHz ≤f ≤ 821 MHz	3.84 MHz	-60	-61.71	-64.33	-67.15	Pass
921 MHz ≤f < 925 MHz	100 kHz	-60	-67.80	-68.60	-65.14	Pass
925 MHz ≤f ≤ 935 MHz	100 kHz	-67	-71.11	-74.27	-73.06	Pass
935 MHz < f ≤ 960 MHz	100 kHz	-79	-86.04	-87.47	-84.77	Pass
1805MHz ≤f ≤ 1880MHz	100 kHz	-60	-84.15	-88.25	-85.96	Pass
1920MHz ≤f ≤ 1980MHz	3.84 MHz	-60	-62.10	-62.20	-60.19	Pass
2 110 MHz ≤f ≤ 2 170 MHz	3.84 MHz	-60	-61.05	-66.95	-64.16	Pass
2 585 MHz ≤f ≤ 2 690 MHz	3.84 MHz	-60	-63.06	-64.33	-65.11	Pass



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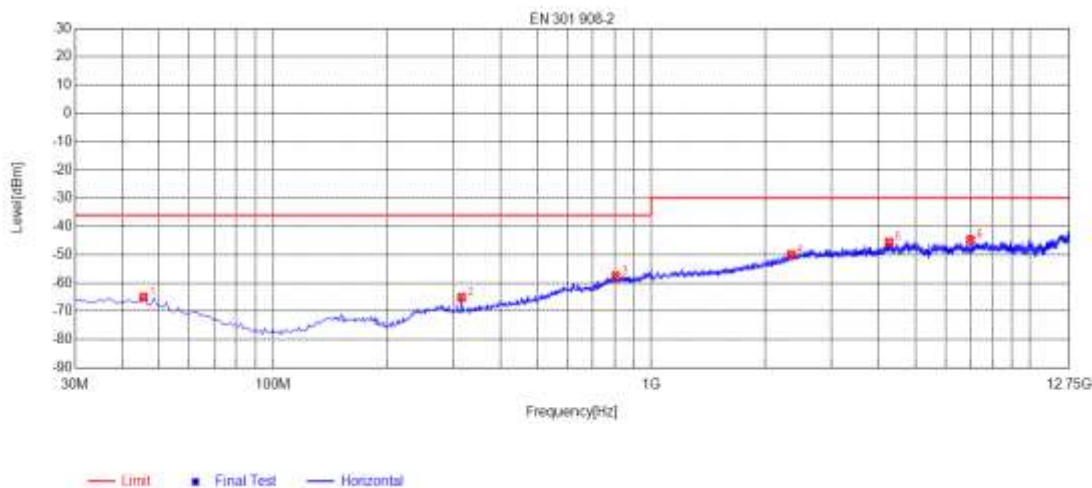
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Appendix T. Radiated spurious emissions test result

RADIATED SPURIOUS EMISSIONS UMTS BAND I – HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	45.5200	-99.28	-65.02	-36.00	29.02	34.26	137	Horizontal
2	315.180	-97.43	-65.10	-36.00	29.10	32.33	360	Horizontal
3	806.000	-101.00	-57.61	-36.00	21.61	43.39	158	Horizontal
4	2344.46	-53.18	-49.96	-30.00	19.96	3.22	36	Horizontal
5	4253.05	-54.23	-45.60	-30.00	15.60	8.63	216	Horizontal
6	6977.24	-56.40	-44.75	-30.00	14.75	11.65	129	Horizontal



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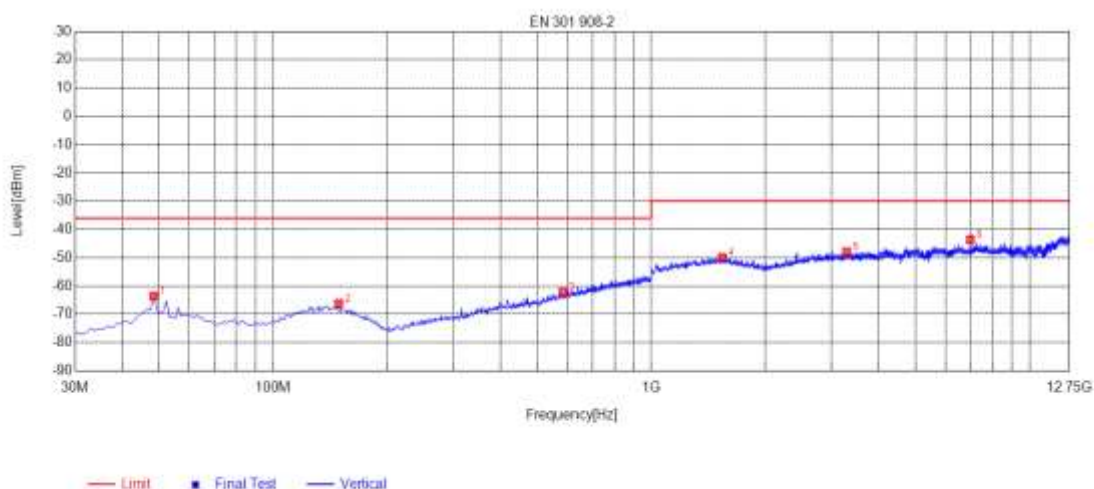
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RADIATED SPURIOUS EMISSIONS UMTS BAND I –VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-93.13	-63.58	-36.00	27.58	29.55	352	Vertical
2	149.310	-99.98	-66.23	-36.00	30.23	33.75	345	Vertical
3	583.870	-100.54	-62.20	-36.00	26.20	38.34	77	Vertical
4	1540.60	-51.97	-49.95	-30.00	19.95	2.02	127	Vertical
5	3284.65	-53.68	-47.99	-30.00	17.99	5.69	352	Vertical
6	6977.24	-55.80	-43.66	-30.00	13.66	12.14	91	Vertical



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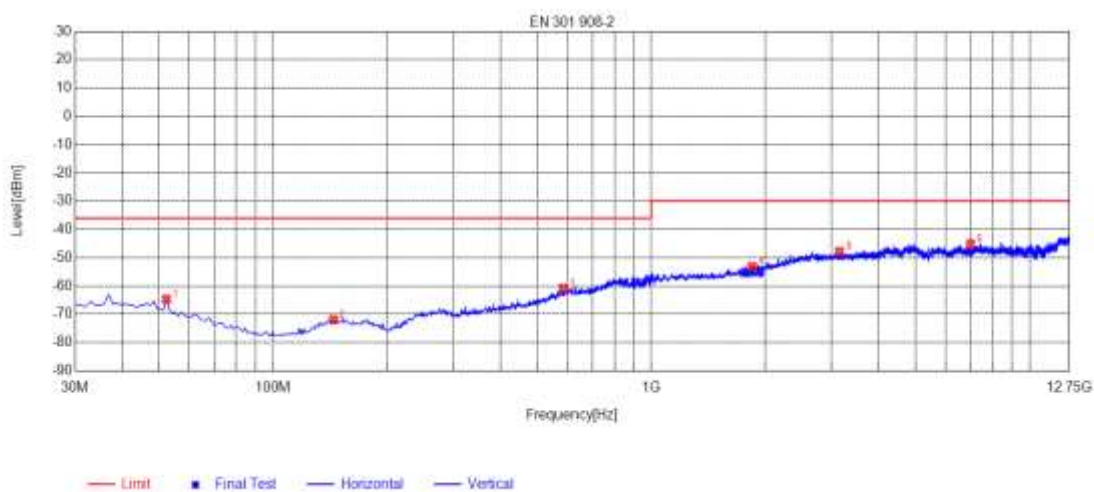
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RADIATED SPURIOUS EMISSIONS UMTS BAND VIII – HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	52.3100	-97.65	-64.66	-36.00	28.66	32.99	44	Horizontal
2	144.460	-101.34	-71.98	-36.00	35.98	29.36	359	Horizontal
3	584.840	-100.16	-60.84	-36.00	24.84	39.32	267	Horizontal
4	1846.16	-52.50	-53.12	-30.00	23.12	-0.62	166	Horizontal
5	3145.97	-53.38	-47.83	-30.00	17.83	5.55	0	Horizontal
6	6979.59	-56.84	-45.19	-30.00	15.19	11.65	216	Horizontal



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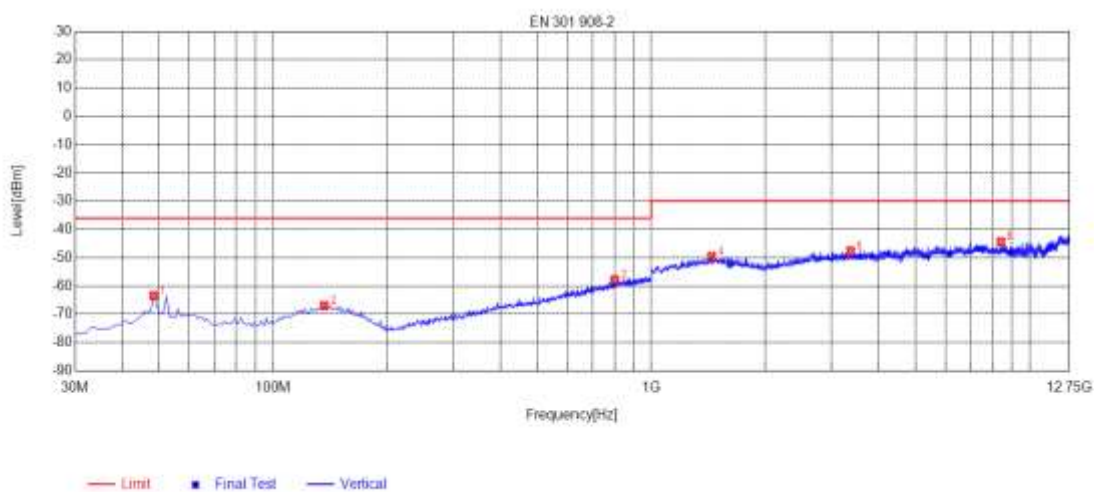
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RADIATED SPURIOUS EMISSIONS UMTS BAND VIII –VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	48.4300	-92.92	-63.37	-36.00	27.37	29.55	1	Vertical
2	136.700	-101.12	-66.95	-36.00	30.95	34.17	1	Vertical
3	801.150	-100.23	-57.85	-36.00	21.85	42.38	193	Vertical
4	1444.23	-51.31	-49.52	-30.00	19.52	1.79	171	Vertical
5	3364.57	-53.43	-47.60	-30.00	17.60	5.83	357	Vertical
6	8399.27	-57.31	-44.33	-30.00	14.33	12.98	65	Vertical

APPENDIX U: PHOTOGRAPHS OF TEST SETUP
RADIATED SPURIOUS EMISSION TEST SETUP



RADIATED SPURIOUS EMISSION-ABOVE 1G TEST SETUP



----END OF REPORT----



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