

# RF Test Report

Report No.: AGC00552200704EE09

**PRODUCT DESIGNATION** : Smart Phone  
**BRAND NAME** : CUBOT  
**MODEL NAME** : NOTE 20 PRO  
**APPLICANT** : Shenzhen Huafurui Technology Co., Ltd.  
**DATE OF ISSUE** : Aug. 28, 2020  
**STANDARD(S)** : ETSI EN 300 330 V2.1.1: 2017-02  
**REPORT VERSION** : V1.1

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### Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 24, 2020	Invalid	Initial release
V1.1	1 <sup>st</sup>	Aug. 28, 2020	Valid	Updated Comments

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## 1. TEST RESULT CERTIFICATION

<b>Applicant</b>	Shenzhen Huafurui Technology Co., Ltd.
<b>Address</b>	Unit 1401 &1402, 14/F, Jinqi zhigu mansion (No. 4 building of Chongwen Garden), Crossing of the Liuxian street and Tangling road, Taoyuan street, Nanshan district, Shenzhen,P.R. China
<b>Manufacturer</b>	Shenzhen Huafurui Technology Co., Ltd.
<b>Address</b>	Unit 1401 &1402, 14/F, Jinqi zhigu mansion (No. 4 building of Chongwen Garden), Crossing of the Liuxian street and Tangling road, Taoyuan street, Nanshan district, Shenzhen,P.R. China
<b>Factory Name</b>	Shenzhen Huafurui Technology Co., Ltd.
<b>Address</b>	Unit 1401 &1402, 14/F, Jinqi zhigu mansion (No. 4 building of Chongwen Garden), Crossing of the Liuxian street and Tangling road, Taoyuan street, Nanshan district, Shenzhen,P.R. China
<b>Product Designation</b>	Smart Phone
<b>Brand Name</b>	CUBOT
<b>Test Model</b>	NOTE 20 PRO
<b>Date of test</b>	Jul. 13, 2020~Jul. 24, 2020
<b>Condition of Test Sample</b>	Normal

The above equipment was tested by SHENZHEN ATTESTATION OF GLOBAL COMPLIANCE (SHENZHEN) CO., LTD. for compliance with the requirements set forth in the European Standard ETSI EN 300 330 V2.1.1. 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.

The test results of this report relate only to the tested sample identified in this report.

Prepared By

*Calvin Liu*

Calvin Liu  
(Project Engineer)

Jul. 24, 2020

Reviewed By

*Max Zhang*

Max Zhang  
(Reviewer)

Aug. 28, 2020

Approved By

*Forrest Lei*

Forrest Lei  
(Authorized Officer)

Aug. 28, 2020

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## 2. EUT DESCRIPTION

Details of technical specification for NFC refer to the description in follows:

<b>Product Designation:</b>	Smart Phone
<b>Brand Name:</b>	CUBOT
<b>Test Model:</b>	NOTE 20 PRO
<b>Hardware Version:</b>	LV966_MB_V1.0
<b>Software Version:</b>	CUBOT_NOTE 20 PRO_A013C_V02_20200729
<b>Operation Frequency:</b>	13.56MHz
<b>Corrected Amplitude H-field</b>	-3.66dBuA/m
<b>NFC Out Power(ERP)</b>	0.00012360mW
<b>Number of Channels:</b>	1 Channel
<b>Antenna Type:</b>	PIFA antenna
<b>Power Supply:</b>	DC 3.85V
<b>Receiver category</b>	3
<b>Product Class:</b>	1

**NOTE:** 1: For more information, please refer to User's Manual.

2:  $E(\text{dBuV/m}) = \text{dBuA/m} + 51.5$ ;

$\text{ERP}(\text{dBm}) = E(\text{dBuV/m}) + 20\lg(D) - 104.8$ , D is the measurement distance;

$\text{ERP} = 10\lg P(\text{mW})$

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### 3. DESCRIPTION OF TEST MODES

The EUT has been tested under Normal Operation and standby condition.

### 4. TEST FACILITY

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

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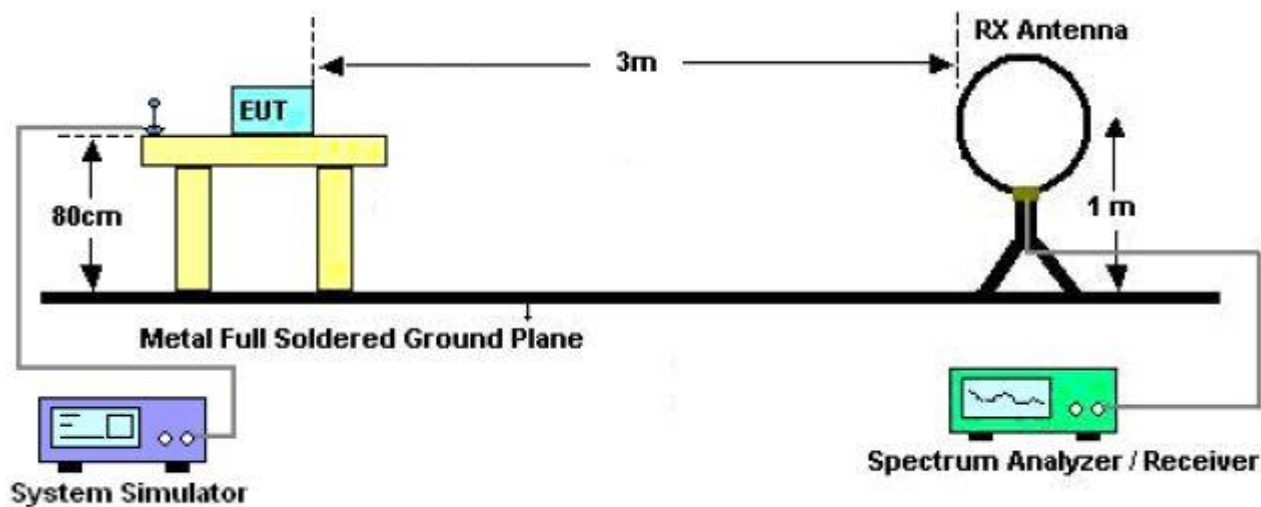
## 5. ETSI EN 300 330 REQUIREMENT TO TRANSMITTER

### 5.1 ETSI EN 300 330 Subclasses 4.3.4 H-field (radiated)

#### MEASUREMENT EQUIPMENT USED:

NAME OF EQUIPMENT	MANUFACTURER	MODEL	S/N	Cal. Date	Cal. Due
EMI Test Receiver	R&S	ESCI	100694	June 10, 2020	June 09, 2021
Amplifier	Schwarzbeck	BBV 9718	9718-205	June 10, 2020	June 09, 2021
WIDEBAND REQUENCY ANTENNA	SCHWARZBECK	VULB9168	VULB9168-494	Jan. 09, 2019	Jan. 08, 2021
WIDEBAND REQUENCY ANTENNA	SCHWARZBECK	VULB9168	VULB9168- D69250	Sep. 20, 2019	Sep. 19, 2020
LOOP ANTENNA	A.H	SAS-562B	/	Sep. 20, 2019	Sep. 19, 2020

#### TEST SETUP:



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### TEST LIMITS:

The H-field limit in dB $\mu$ A/m at 3 m,  $H_{3m}$ , is determined by the following equation:

$$H_{3m} = H_{10m} + C_3 \text{ (F.2)}$$

Where:  $H_{10m}$  is the H-field limit in dB $\mu$ A/m at 10 m distance according to the present document; and  $C_3$  is a conversion factor in dB determined from figure F.2.

The limit at 10 m( $H_{10m}$ ) is 60 dB $\mu$ A/m.

For 13.56MHz:

Owing to the frequency EUT is 13.56MHz, so the  $C_3$  approach to 23dB.

Then the limit at 3m( $H_{3m}$ ) =  $H_{10m} + C_3 = 60 + 23 = 83$  dB $\mu$ A/m.

The H Field Strength shall not exceed the values 83 dB $\mu$ A/m 3m Distance under normal test conditions.

Correction factor,  $C_3$ , for limits at 3 m distance, dB

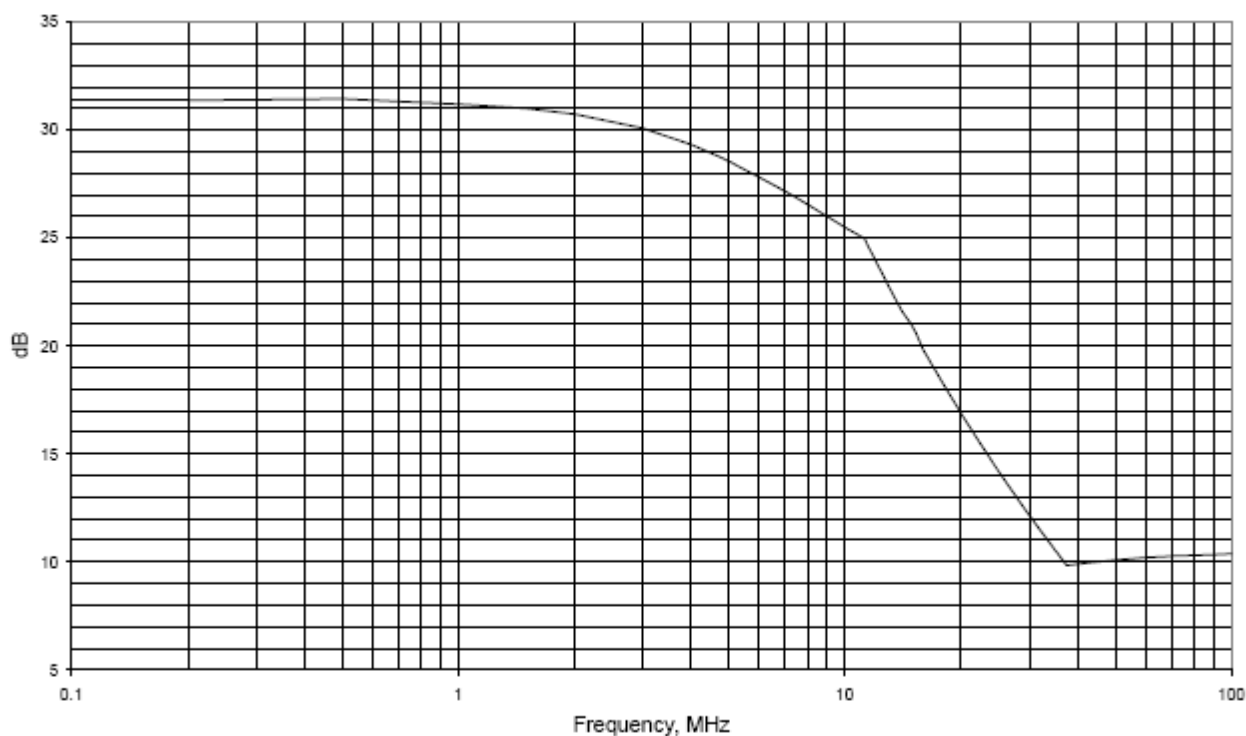


Figure F.2: Conversion factor  $C_3$  versus frequency

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## TEST PROCEDURE:

The EUT was placed on the top of an insulating table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The H-field is measured with a shielded loop antenna connected to a measurement receiver.

The measuring bandwidth and detector type of the measurement receiver shall be in accordance with EN 300 330 V2.1.1 clause 5.12.

The EUT operate with modulation under normal and extreme conditions.

## TEST RESULTS:

Test Mode: Transmitting

Extreme conditions state

conditions	Test Temp	Test Volt.(V)	Note
TN/VN	25°C	3.85	Worst case
TL/ VL	-10°C	3.27	
TH/VL	40°C	3.27	
TL/VH	-10°C	4.40	
TH/VH	40°C	4.40	

Frequency	Reading	Corrected Factor	Corrected Amplitude E-field	Corrected Amplitude H-field(3m)	Corrected Amplitude H-field(10m)	Limit (10m)	Result
MHz	dBμV/m	dB	dBμV/m	dBμA/m	dBμA/m	dBμA/m	Pass
13.56	59.01	11.83	70.84	19.34	-3.66	60	

Remark:

- (1) Corrected Level (dBuA/m) = Reading Level + Antenna Factor
- (2) For the calculated method, please refer to Annex F at EN 300330.
- (3) All extreme conditions were considered for test, but only record the worst case.
- (4)  $EIRP(dBm) = E(dBuV/m) + 20lg(D) - 104.8$ , D is the measurement distance.  
 $E(dBuV/m) = dBuA/m + 51.5$ , so the  $dBuA/m = EIRP(dBm) + 43.7$ ,  $EIRP = 10lgP(mW)$

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## 5.2 ETSI EN 300 330 Subclasses 4.3.2&4.3.3: PERMITTED FREQUENCY RANGE AND THE MODULATION BANDWIDTH

### MEASUREMENT EQUIPMENT USED:

NAME OF EQUIPMENT	MANUFACTURER	MODEL	S/N	Cal. Date	Cal. Due
EMI Test Receiver	R&S	ESCI	100694	June 10, 2020	June 09, 2021
Amplifier	Schwarzbeck	BBV 9718	9718-205	June 10, 2020	June 09, 2021
WIDEBAND FREQUENCY ANTENNA	SCHWARZBECK	VULB9168	VULB9168-494	Jan. 09, 2019	Jan. 08, 2021
LOOP ANTENNA	A.H	SAS-562B	/	Jan. 09, 2019	Jan. 08, 2021

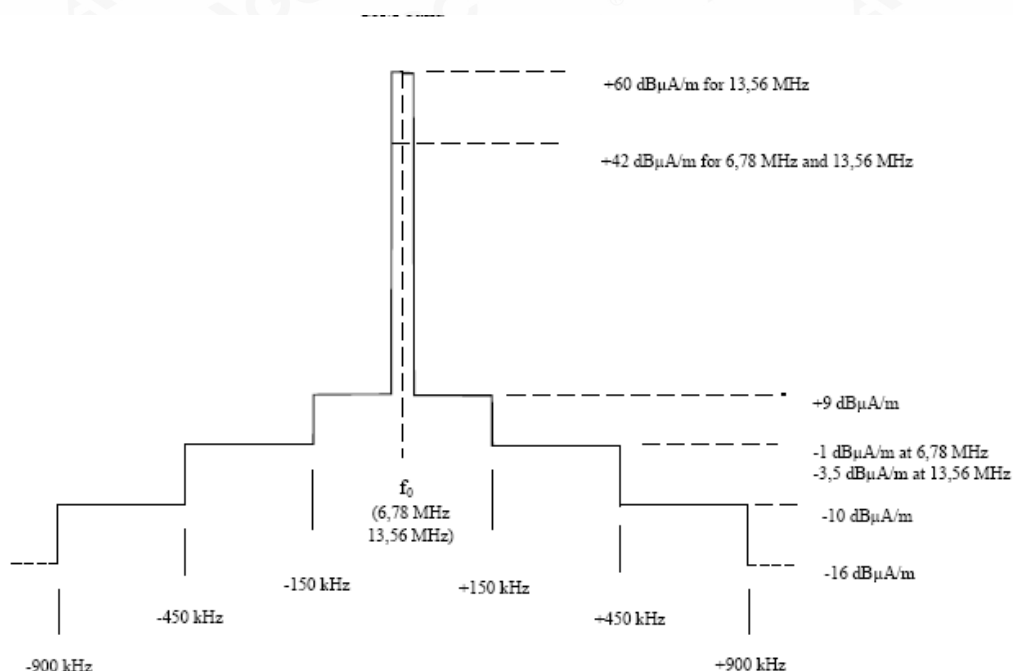
### TEST SETUP:

SAME AS SUBCLASSES 5.1

### TEST PROCEDURE:

- 1). The EUT was placed on a turn table which is 0.8m above ground plane.
- 2). The EUT was modulated by normal signal,
- 3). Set SPA Center Frequency = fundamental frequency, RBW=VBW=300Hz, Span=2MHz.
- 4). Both normal test condition and extreme test condition applied

### LIMITS



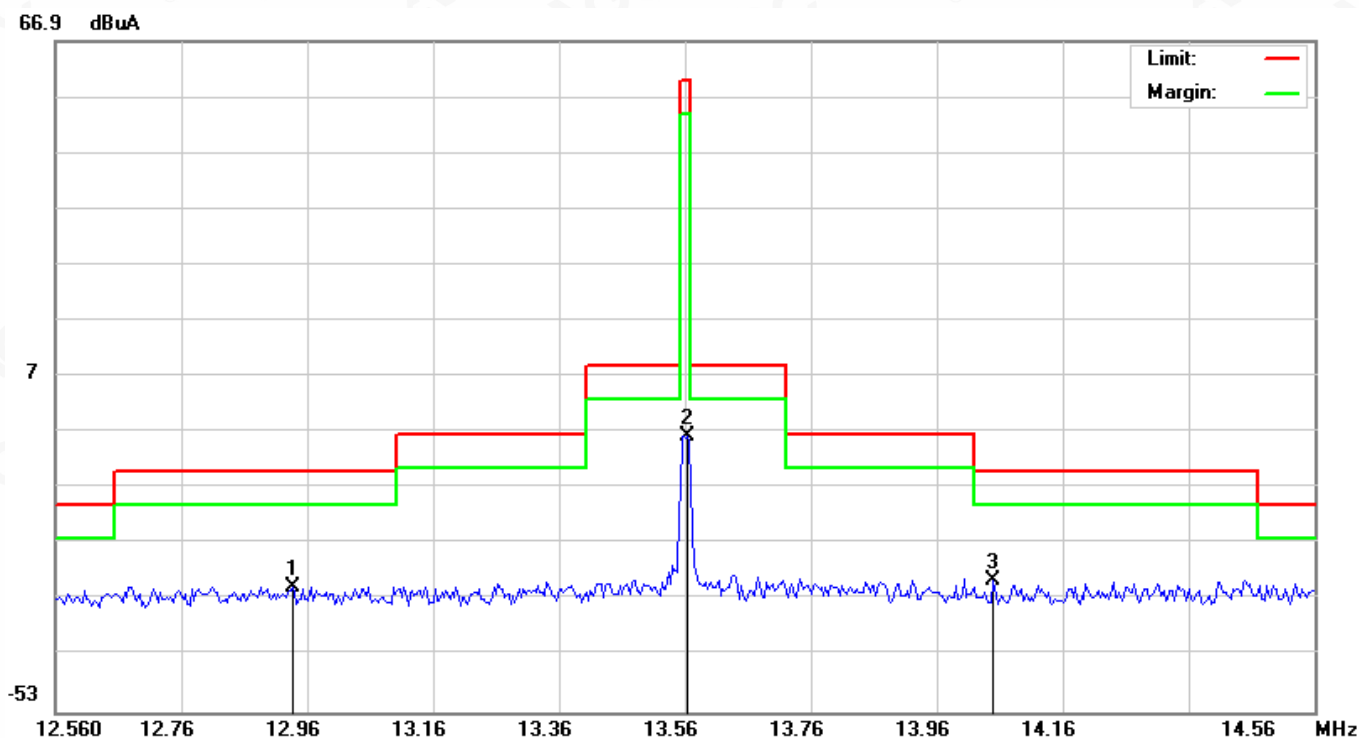
### TEST RESULT

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### TEST PLOT



Frequency Range Test Result

Test Temperature	Test Voltage (V DC)	Lower Frequency (MHZ)	Upper Frequency (MHZ)	Limit
-10℃	3.45	13.56312	13.56475	13.553MHZ≤&≤13.567MHZ
	4.4	13.56441	13.56580	13.553MHZ≤&≤13.567MHZ
25℃	3.85	13.56500	13.56567	13.553MHZ≤&≤13.567MHZ
40℃	3.45	13.56318	13.56415	13.553MHZ≤&≤13.567MHZ
	4.4	13.56289	13.56377	13.553MHZ≤&≤13.567MHZ
Results		PASS		

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

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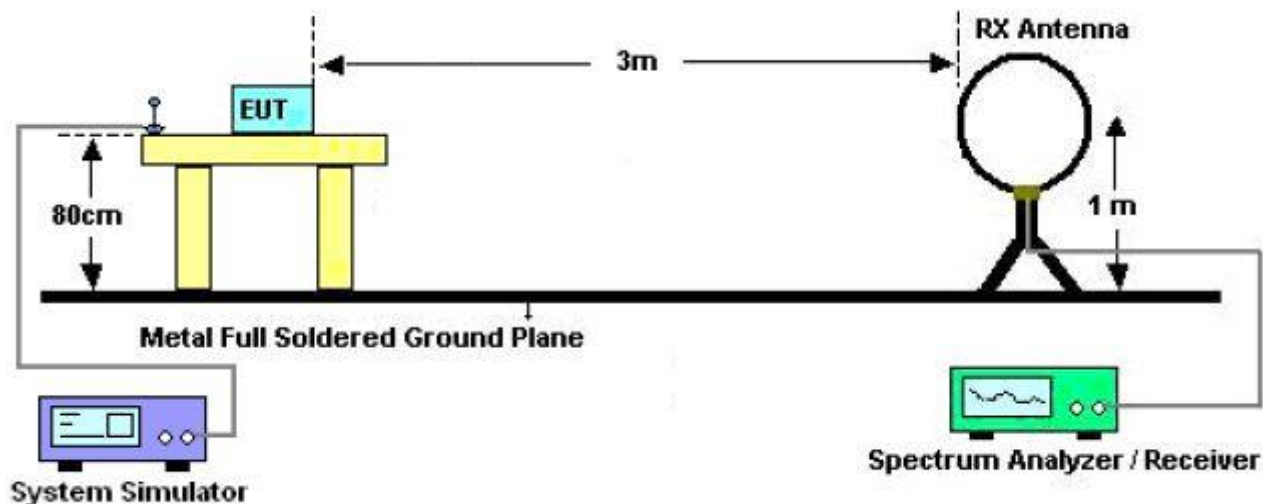
### 5.3 ETSI EN 300 330 Subclasses 4.3.8&4.3.9: Spurious domain emission

#### MEASUREMENT EQUIPMENT USED:

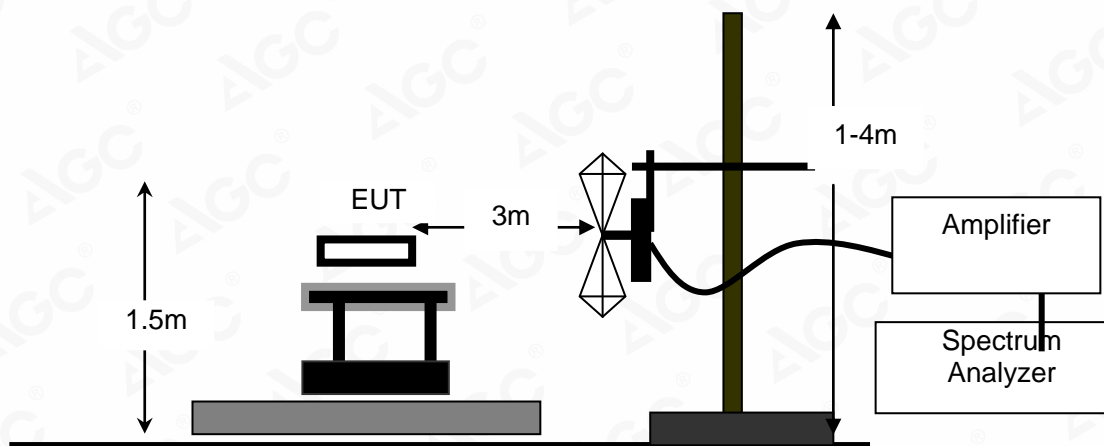
Same as 5.1

#### TEST SETUP:

FREQUENCY RANGE (9KHZ-30MHZ)



FREQUENCY RANGE (ABOVE 30MHZ)



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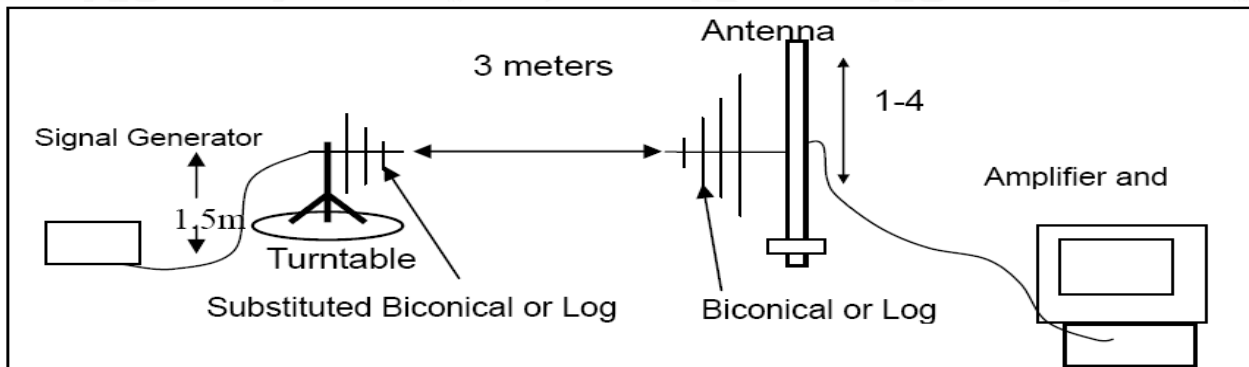
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## SUBSTITUTION METHOD:

### RADIATED BELOW 1GHZ



## TEST PROCEDURE:

For test method of frequency range (9 kHz-30MHz)

The EUT was placed on the top of an insulating table 0.8 meters above the ground at a semi-anechoic chamber.

The table was rotated 360 degrees to determine the position of the highest radiation.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The H-field is measured with a shielded loop antenna connected to a measurement receiver.

The measuring bandwidth and detector type of the measurement receiver shall be in accordance with EN 300 330 V2.1.1 clause 5.12

The EUT operate with modulation under normal and extreme conditions.

For test method of frequency range (30 MHz-1000MHz)

EUT was placed on a 1.5m height wooden table. The search antenna is placed at 3m distances from the EUT and search antenna height is from 1-4m. With the transmitter operating at continuously mode, the turntable was slowly rotated to locate the direction of maximum emission. Once maximum direction is determined, the search antenna was raised and lowered in both vertical and horizontal polarizations.

The EUT was removed from the turntable and replaced with a linearly polarized antenna connected to a calibrated RF signal generator. The RF generator was set to a measured emission frequency and the search antenna was raised and lowered to produce a maximum received reading. The generator output was increased to match the radiated emission reading measured previously, and the result expressed in dB EIRP or ERP, correcting for substitution antenna gain at each frequency.

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## LIMITS OF RADIATED DISTURBANCES

Below 30MHz

Operating		
Frequency (MHz)	Distance (m)	Maximum Field Strength Limit (dB $\mu$ A/m Q.P.)
9 kHz $\leq$ f < 10 MHz	10	27dB $\mu$ A/m at 9 kHz descending 3 dB/oct
10 MHz $\leq$ f < 30 MHz	10	-3,5 dB $\mu$ A/m

Standby		
Frequency (MHz)	Distance (m)	Maximum Field Strength Limit (dB $\mu$ A/m Q.P.)
9 kHz $\leq$ f < 10 MHz	10	5,5 dB $\mu$ A/m at 9 kHz descending 3 dB/oct
10 MHz $\leq$ f < 30 MHz	10	-25 dB $\mu$ A/m

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## TEST LIMITS & RESULT

### FREQUENCY RANGE (9KHZ-30MHZ)

OPERATION MODE					
Frequency	Reading level	Total Factor	Emission level	10M Limit	Margin
(MHz)	(dBμA/m)	(dB )	(dB μA/m)	(dBμA/m)	(dBμA/m)
--	--	--	--	27 dBμA/m at 9KHz descending 3dB/oct(9KHz – 10MHz)	--
--	--	--	--		--
--	--	--	--	-3.5 dBμA/m(10MHz – 30MHz)	--
--	--	--	--		--

STANDBY MODE					
Frequency	Reading level	Total Factor	Emission level	10M Limit	Margin
(MHz)	(dBμA/m)	(dB )	(dB μA/m)	(dBμA/m)	(dBμA/m)
--	--	--	--	5.5 dBμA/m at 9KHz descending 3dB/oct (9KHz – 10MHz)	--
--	--	--	--		--
--	--	--	--	-25 dBμA/m (10MHz – 30MHz)	--
--	--	--	--		--

#### Remark:

- (1) Corrected Power (dBm) = Total Factor + Reading Level
- (2) Measuring frequencies from 9KHz to the 30MHz.
- (3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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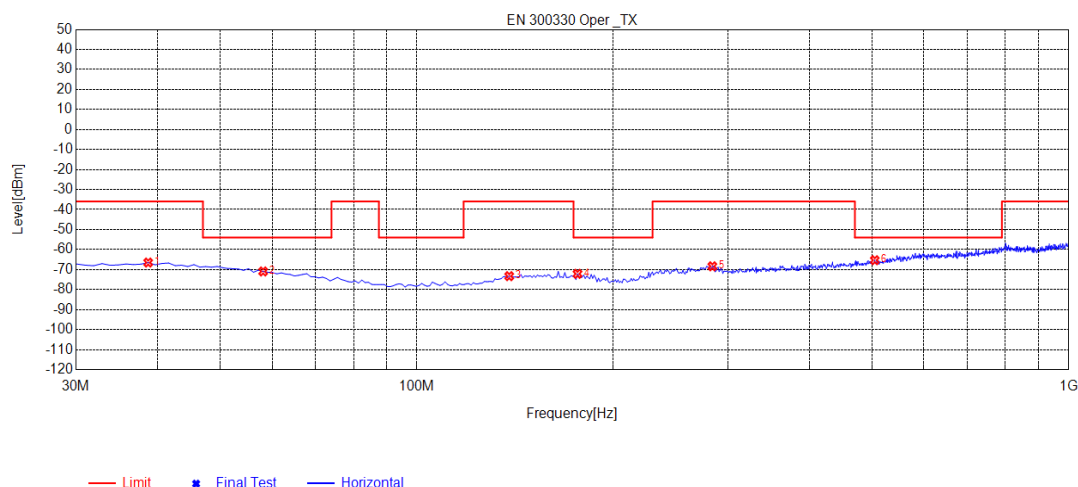
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## FREQUENCY RANGE (ABOVE 30MHZ)

### EUT OPERATION MODE – HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	38.7300	-101.44	-66.50	-36.00	30.50	34.94	360	Horizontal
2	58.1300	-102.27	-70.95	-54.00	16.95	31.32	120	Horizontal
3	138.6400	-102.43	-73.31	-36.00	37.31	29.12	340	Horizontal
4	176.4700	-101.64	-72.14	-54.00	18.14	29.50	150	Horizontal
5	284.1400	-101.60	-68.38	-36.00	32.38	33.22	170	Horizontal
6	504.3300	-101.79	-65.31	-54.00	11.31	36.48	210	Horizontal

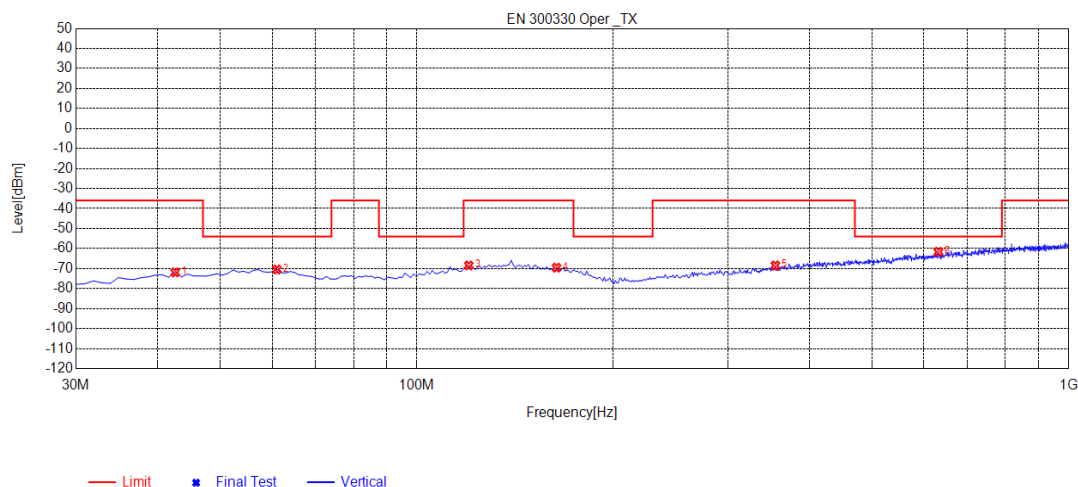
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### EUT OPERATION MODE – VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	42.6100	-100.51	-71.93	-36.00	35.93	28.58	310	Vertical
2	61.0400	-101.50	-70.48	-54.00	16.48	31.02	230	Vertical
3	120.2100	-101.49	-68.44	-36.00	32.44	33.05	180	Vertical
4	163.8600	-102.08	-69.55	-36.00	33.55	32.53	340	Vertical
5	354.9500	-101.62	-68.46	-36.00	32.46	33.16	330	Vertical
6	631.4000	-100.89	-61.63	-54.00	7.63	39.26	10	Vertical

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#### 5.4 ETSI EN 300 330 Subclasses 4.4.2: Receiver spurious radiation MEASUREMENT EQUIPMENT USED:

Same as 5.1

#### TEST SETUP:

Same as 5.3

#### TEST RESULT AND LIMIT

##### BELOW 30MHZ

Frequency (MHz)	Distance (m)	Maximum Field Strength Limit (dBμA/m Q.P.)
9 kHz ≤ f < 10 MHz	10	5.5dB μ A/m at 9 kHz descending 3 dB/oct
10 MHz ≤ f < 30 MHz	10	-25 dB μ A/m

RECEIVER MODE					
Frequency (MHz)	Reading level (dBμA/m)	Total Factor (dB)	Emission level (dBμA/m)	10M Limit (dBμA/m)	Margin (dBμA/m)
--	--	--	--	5.5 dBuA/m at 9KHz descending 3dB/oct (9KHz – 10MHz)	--
--	--	--	--	-25 dBuA/m (10MHz – 30MHz)	--
--	--	--	--		--
--	--	--	--		--

#### Remark:

- (1) Corrected Power (dBm) = Total Factor + Reading Level
- (2) Measuring frequencies from 9KHz to the 30MHz.
- (3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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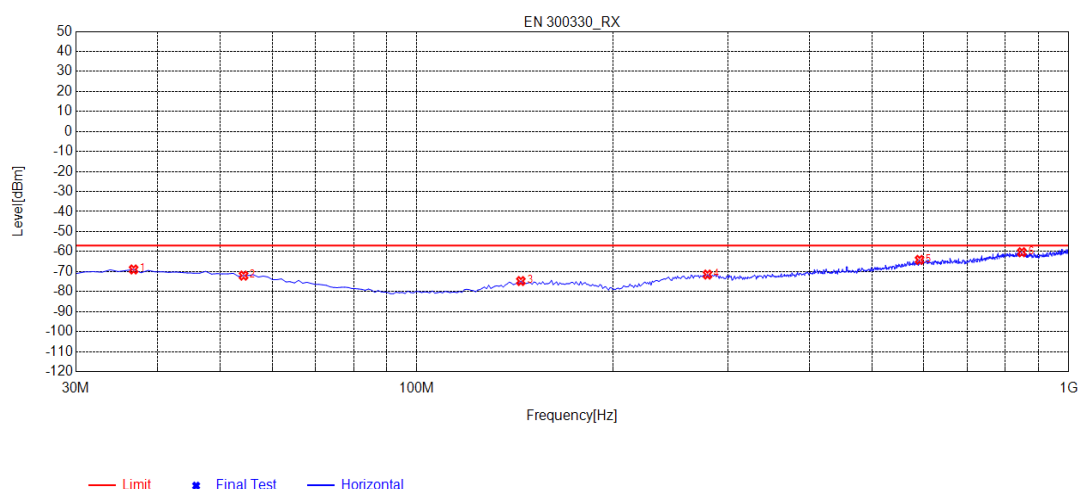
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# ABOVE 30MHZ

## ANTENNA HORIZONTAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	36.7900	-100.80	-68.95	-57.00	11.95	31.85	324	Horizontal
2	54.2500	-101.47	-72.03	-57.00	15.03	29.44	0	Horizontal
3	144.4600	-101.11	-74.75	-57.00	17.75	26.36	350	Horizontal
4	279.2900	-102.02	-71.51	-57.00	14.51	30.51	70	Horizontal
5	590.6600	-100.68	-64.16	-57.00	7.16	36.52	214	Horizontal
6	847.7100	-100.52	-60.33	-57.00	3.33	40.19	240	Horizontal

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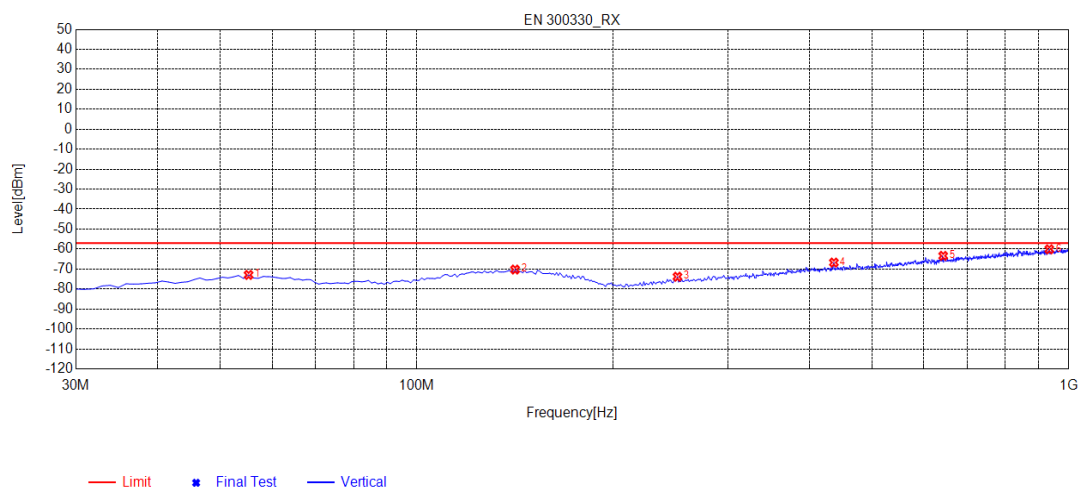
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## ANTENNA VERTICAL



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	55.2200	-100.58	-72.95	-57.00	15.95	27.63	264	Vertical
2	141.5500	-101.54	-70.26	-57.00	13.26	31.28	256	Vertical
3	251.1600	-100.11	-73.85	-57.00	16.85	26.26	9	Vertical
4	436.4300	-99.26	-66.76	-57.00	9.76	32.50	27	Vertical
5	642.0700	-99.85	-63.40	-57.00	6.40	36.45	205	Vertical
6	934.0400	-100.79	-60.13	-57.00	3.13	40.66	273	Vertical

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## 5.5 ETSI EN 300 330 Subclasses 4.4.4: Receiver blocking or desensitization

### MEASUREMENT EQUIPMENT USED:

NAME OF EQUIPMENT	MANUFACTURER	MODEL	S/N	Cal. Date	Cal. Due
SIGNAL GENERATOR	KEYSIGHT	N5182A	MY49060745	Aug. 21.2020	Aug. 21.2022
MXG X-Series Vector Signal	KEYSIGHT	N5182B	MY53050647	Aug. 21.2020	Aug. 21.2022
Spectrum Analyzer	KEYSIGHT	N9020A	MY49100060	Aug. 21.2020	Aug. 21.2022

### TEST LIMIT

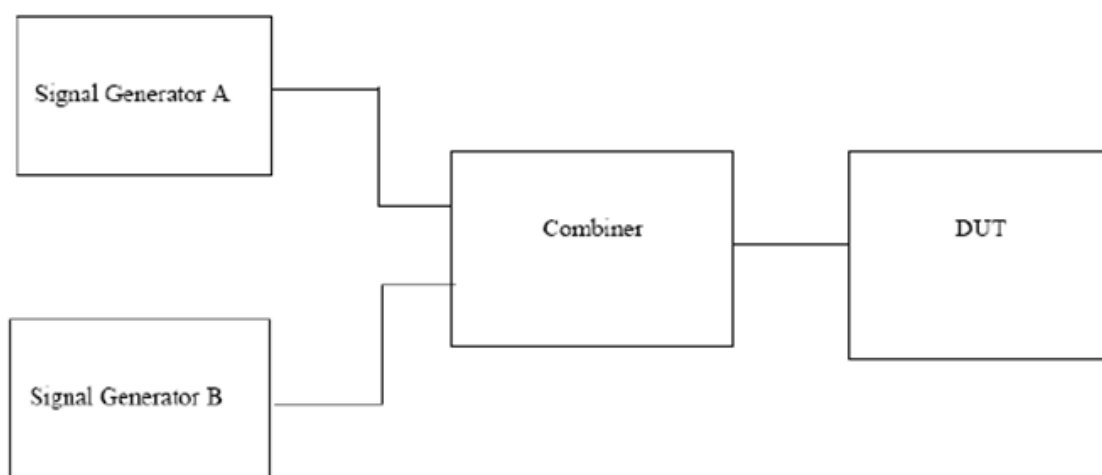
The blocking ratio, for any frequency within the specified ranges, shall not be less than the values given in table 10, except at frequencies on which spurious responses are found. The limit value is determined by a reference limit (Ref) multiplied by a correction factor depending of the appropriate receiver category.

Table 10: Receiver blocking or desensitization limits

Generator B frequency offset, $ f_A - f_B $ , either by a) or b) whichever is greater (see note 3)			Limit (dB)
a) per clause 7.4, indent a)		b) per clause 7.4, indent b)	
$f_A < 500$ kHz	$f_A \geq 500$ kHz	value of $N_B$ , see below	
$\pm 100$ kHz	$\pm 500$ kHz	2	Reference Limit $\times 1/2$ (see note 2)
$\pm 200$ kHz	$\pm 1$ MHz	4	Reference Limit $\times 2/3$ (see note 2)
$\pm 300$ kHz	$\pm 2$ MHz	8	Reference Limit $\times 5/6$ (see note 2)
$\pm 500$ kHz	$\pm 5$ MHz	20	Reference Limit (see note 1)

NOTE 1: Reference limit (Ref) = 30 dB at 9 kHz increasing with 10 dB/decade to 65,2 dB at 30 MHz.  
NOTE 2: The limit is a fractional dB value of the reference limit.  
NOTE 3: Generator B frequencies below 9 kHz are not specified.

### TEST SETUP



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## TEST PROCEDURE

1. The measurement shall be conducted under normal conditions.
2. Two signal generators A and B shall be connected to the receiver via a combining network to the receiver either:
  - a) via a test fixture or a test antenna coupling to the receiver integral, dedicated or test antenna; or
  - b) directly to the receiver permanent or temporary antenna connector.
3. Signal generator A shall be at the nominal frequency of the receiver, with normal modulation of the wanted signal.
4. Signal generator B shall be unmodulated and shall be adjusted to a test frequency as defined below.
5. Initially signal generator B shall be switched off and by using signal generator A with a signal level corresponding to the specified receiver sensitivity. The output level of generator A shall then be increased by 3 dB.
6. Signal generator B is then switched on and the level is adjusted until operation at the specified sensitivity is obtained.
7. This level shall be recorded.
8. The frequency for generator B is defined by either a) or b) below whichever is greater:
  - a) For the frequency range 9 kHz to < 500 kHz, the measurements shall be at approximately +50 kHz, +100 kHz, +200 kHz, +300 kHz and +500 kHz from the highest receiver operating frequency + the 3 dB receiver bandwidth.
9. The tests shall be repeated at approximately -50 kHz, -100 kHz, -200 kHz, -300 kHz and -500 kHz from the lowest receiver operating frequency - the 3 dB receiver bandwidth.
10. For the frequency range  $\geq 500$  kHz to 30 MHz, the measurements shall be at approximately +500 kHz, +1 MHz, +2 MHz and +5 MHz from the highest receiver operating frequency + the 3 dB receiver bandwidth.
11. The tests shall be repeated at approximately -500 kHz, -1 MHz, -2 MHz and -5 MHz from the lowest receiver operating frequency - the 3 dB receiver bandwidth.
12. The manufacturer shall declare the receiver operating frequencies and 3 dB receiver bandwidth.
13. Or:
14. b) The frequency for generator B is determined as an offset by using the upper and lower receiver operating frequencies plus or minus receiver 3 dB bandwidth times a multiplier, (NB+1). The values for NB are given in clause 4.4.4.3, table 10.
15. The upper and lower test frequencies for generator B are defined as follows:
  - Upper test frequencies: Highest operating receiver frequency + (receiver 3 dB bandwidth)  $\times$  (NB+1).
  - Lower test frequencies: Lowest operating receiver frequency - (receiver 3 dB bandwidth)  $\times$  (NB+1).
16. The manufacturer shall declare the receiver operating frequencies and 3 dB receiver bandwidth.
17. For systems with swept operating frequencies:
  - Upper test frequencies: High end of sweep range + (receiver 3 dB bandwidth)  $\times$  (NB+1).
  - Lower test frequencies: Low end of sweep range - (receiver 3 dB bandwidth)  $\times$  (NB+1).

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# TEST RESULT

Operation frequency	Measurement frequency Offset	Power level of signal generator A(dBm)	(Blocking level Power level of signal generator B (dBm)	(B-A)Limit (dB)	Result
13.56	5	-62.36	30	51.77	PASS
	2		10	48.25	PASS
	1		8	47.08	PASS
	0.5		5	46.49	PASS
	-0.5		5	45.32	PASS
	-1		8	44.73	PASS
	-2		9	43.56	PASS
	-5		30	40.04	PASS

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## 6. ETSI EN 300 330 V2.1.1: Interpretation of Measurement Results

All the measurement equipments and accessories have been carefully selected to meet the maximum measurement uncertainty specified below:

RF Frequency	$\pm 1 \times 10^{-7}$
RF Power, Conducted	$\pm 0.75\text{dB}$
Maximum Frequency Deviation: _ Within 300Hz and 6KHz of Audio Frequency _ Within 6KHz and 25KHz of Audio Frequency	$\pm 5\%$ $\pm 3\text{dB}$
Adjacent channel power	$\pm 3\text{dB}$
Conducted Emission of Transmitter, Valid Up to 12.75GHz	$\pm 4\text{dB}$
Conducted Emissions of Receivers	$\pm 3\text{dB}$
Radiated Emission of Transmitter, Valid Up to 12.75GHz	$\pm 6\text{dB}$
Radiated Emissions of Receivers	$\pm 6\text{dB}$

P.S. Uncertainty figures are valid to confidence level of 95% calculated according to the methods described in the ETR 028[3].

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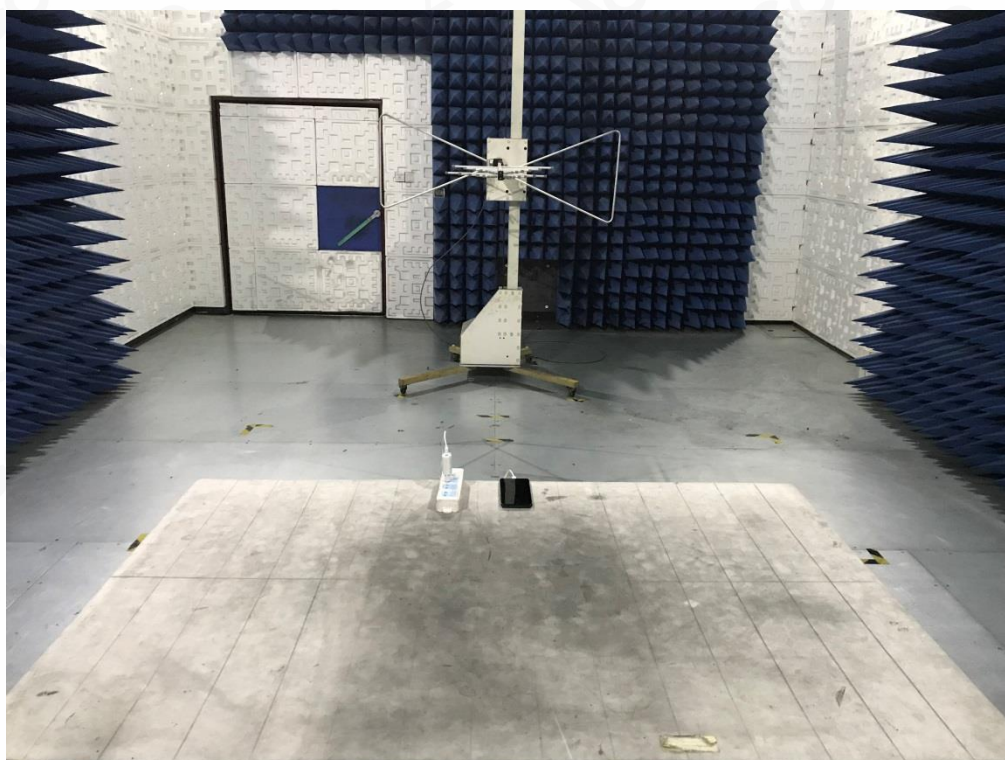
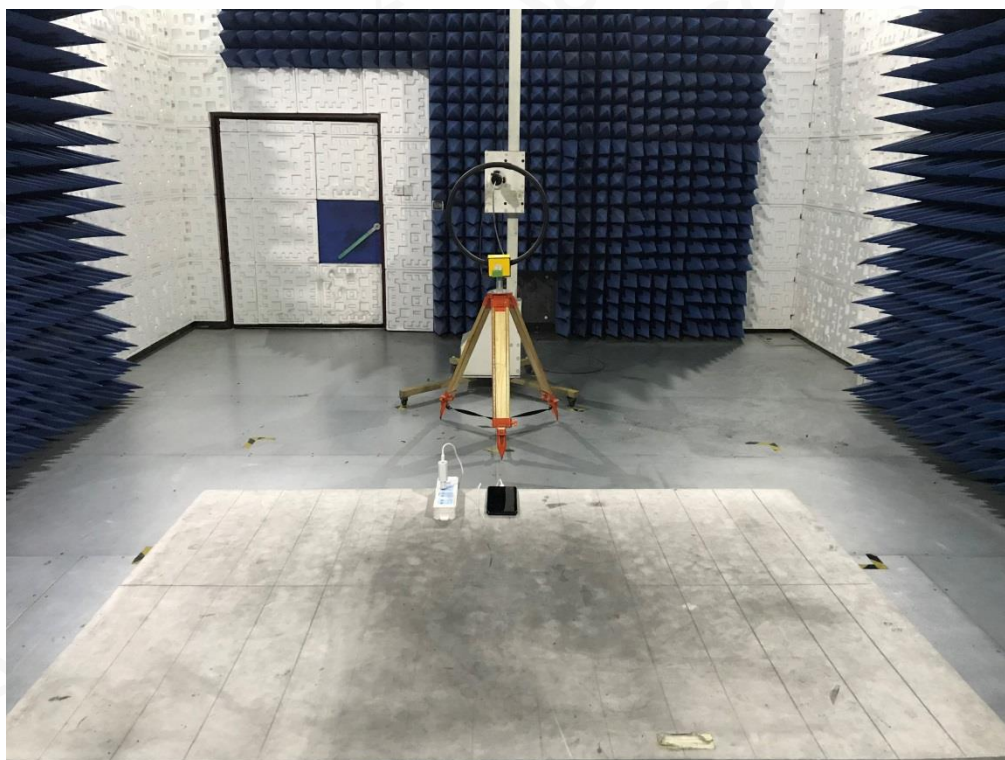
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## APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

### RADIATED EMISSION TEST



----END OF REPORT----

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## Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.
5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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