



TEST REPORT

APPLICANT : Shenzhen Tengfei Technology Management Ltd.

PRODUCT NAME : 5G Mobile Phone

MODEL NAME : NX729J

BRAND NAME : REDMAGIC

FCC ID : 2A9QD-NX729J

STANDARD(S) : 47 CFR Part 15 Subpart B

RECEIPT DATE : 2022-11-01

TEST DATE : 2022-11-22 to 2022-12-09

ISSUE DATE : 2022-12-15

Edited by: Chen Bilian
Chen Bilian(Rapporteur)

Approved by: Xiao Xiong
Xiao Xiong(Supervisor)

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Change History		
Version	Date	Reason for Change
1.0	2022-12-15	First edition



1. Technical Information

Note: Provide by applicant

1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Tengfei Technology Management Ltd.
Applicant Address:	Room 3101, Building D1, Chuangzhi Yuncheng, Liuxian Avenue, Xili Street, Nanshan, Shenzhen, China
Manufacturer:	Shenzhen Tengfei Technology Management Ltd.
Manufacturer Address:	Room 3101, Building D1, Chuangzhi Yuncheng, Liuxian Avenue, Xili Street, Nanshan, Shenzhen, China

1.2. Equipment Under Test (EUT) Description

Product Name:	5G Mobile Phone
EUT No.:	5#
Hardware Version:	NX729J_V1AMB
Software Version:	NX729J_UNCommon_V3.03
Tx Frequency:	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850 MHz ~ 1910 MHz CDMA 2000 BC0: 824 MHz ~ 849 MHz CDMA 2000 BC1: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 18: 815 MHz ~ 830 MHz LTE Band 19: 830 MHz ~ 845 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 40: 2300 MHz ~ 2400 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 66: 1710 MHz ~ 1780 MHz



	<p>5G NR n5: 824 MHz ~ 849 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 802.11b/g/n/ax: 2412 MHz ~ 2462 MHz 802.11a/ac/n/ax: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~5720 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz</p>
<p>Rx Frequency:</p>	<p>GSM850: 869 MHz ~ 894 MHz GSM1900: 1930 MHz ~ 1990 MHz CDMA 2000 BC0: 869 MHz ~ 894 MHz CDMA 2000 BC1: 1930 MHz ~ 1990 MHz WCDMA Band II: 1930 MHz ~ 1990 MHz WCDMA Band IV: 2110 MHz ~ 2155 MHz WCDMA Band V: 869 MHz ~ 894 MHz LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 5: 869 MHz ~ 894 MHz LTE Band 7: 2620 MHz ~ 2690 MHz LTE Band 12: 729 MHz ~ 746 MHz LTE Band 17: 734 MHz ~ 746 MHz LTE Band 18: 860 MHz ~ 875 MHz LTE Band 19: 875 MHz ~ 890 MHz LTE Band 26: 859 MHz ~894 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 40: 2300 MHz ~ 2400 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 66: 2110 MHz ~ 2200 MHz 5G NR n5: 869 MHz ~ 894 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 2110 MHz ~ 2200 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 802.11b/g/n/ax: 2412 MHz ~ 2462 MHz 802.11a/ac/n/ax: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~5720 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS/GLONASS/BDS/Galileo: 1559~1610 MHz NFC: 13.56 MHz</p>
<p>EN_DC</p>	<p>DC_2A_n41,DC_2C_n41, DC_66A_n41, DC_2A_n77,</p>



	DC_5A_n77, DC_12A_n77, DC_18A_n77, DC_66A_n77	
Accessory:	AC Adapter	
	Brand Name:	N/A
	Model No.:	STC-A59152050AC-Z
	Serial No.:	(N/A, marked #1 by test site)
	Rated Input:	100-240V~50/60Hz, 1.5A
	Rated Output:	5V=3A, 9V=3A, 15V=3A, 20V=3.25A PPS: 5.0V-11.0V=5.0A, 5.0V-20.0V=3.25A
	Manufacturer:	ShenZhen KunXing Technology Co.,Ltd.
	Battery	
	Brand Name:	ATL
	Model No.:	Li3928T89P8h603285
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	2860mAh
	Rated Voltage:	7.78V
	Charge Limit:	8.9V
	Manufacturer:	Dongguan Amperex Technology Limited
	USB Cable	
Model:	N52111200016D	

Note:

1. For a more detailed description, please refer to specification or user's manual supplied by the applicant and/or manufacturer.



2. Test Results

2.1. Applied Reference Documents

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart B:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination Remark
1	15.107	Conducted Emission	2022.11.22	Fan Zehang	PASS	No deviation
2	15.109	Radiated Emission	2022.12.09	Yang Lian	PASS	No deviation

Note 1:The tests were performed according to the method of measurements prescribed in ANSI C63.4-2014.

Note 2:Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3:When the test result is a critical value,we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



2.2. EUT Setup and Operating Conditions

Note: All of the following test modes are tested in all the test items.

Test Item	
Mode 1	: GSM850 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 2	: GSM1900 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 3	: CDMA 2000 BC0 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 4	: CDMA 2000 BC1 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 5	: WCDMA Band II Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 6	: WCDMA Band IV Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 7	: WCDMA Band V Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 8	: LTE Band 2 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 9	: LTE Band 4 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 10	: LTE Band 5 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 11	: LTE Band 7 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 12	: LTE Band 12 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 13	: LTE Band 17 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 14	: LTE Band 18 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 15	: LTE Band 19 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 16	: LTE Band 26 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 17	: LTE Band 38 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card



Mode 18 :	LTE Band 40 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 19 :	LTE Band 41 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 20 :	LTE Band 66 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 21 :	5G NR n5 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 22 :	5G NR n41 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 23 :	DC_2A_n41 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 24 :	5G NR n66 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 25 :	5G NR n77 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 26 :	DC_12A_n77 Idle + Bluetooth Idle + 5G WLAN Idle + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 27 :	CDMA 2000 BC0 Idle + Bluetooth Idle + 2.4G WLAN Idle + GPS Rx + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 28 :	WCDMA Band V Idle + Bluetooth Idle + 2.4G WLAN Idle + GLONASS Rx + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card
Mode 29 :	LTE Band 7 Idle + Bluetooth Idle + 2.4G WLAN Idle + BDS Rx + Battery+ AC Adapter + USB Cable (Charging from Adapter) + Earphone + SIM Card + Rear Camera Mode
Mode 30 :	LTE Band 38 Idle + Bluetooth Idle + NFC Idle + Galileo Rx + Battery + USB Cable + Earphone + SIM Card + PC + PC Adapter + Data Transmission Mode

Remark:

The above test mode in boldface (Mode 29) was the worst case of conducted emission test, only the test data of these modes were reported. The above test mode in boldface (Mode 29) was the worst case of radiated emission test, only the test data of these modes were reported.

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 - 60
Atmospheric Pressure (kPa):	86 - 106

3. 47 CFR Part 15B Requirements

3.1. Conducted Emission

3.1.1. Requirement

According to FCC section 15.107, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

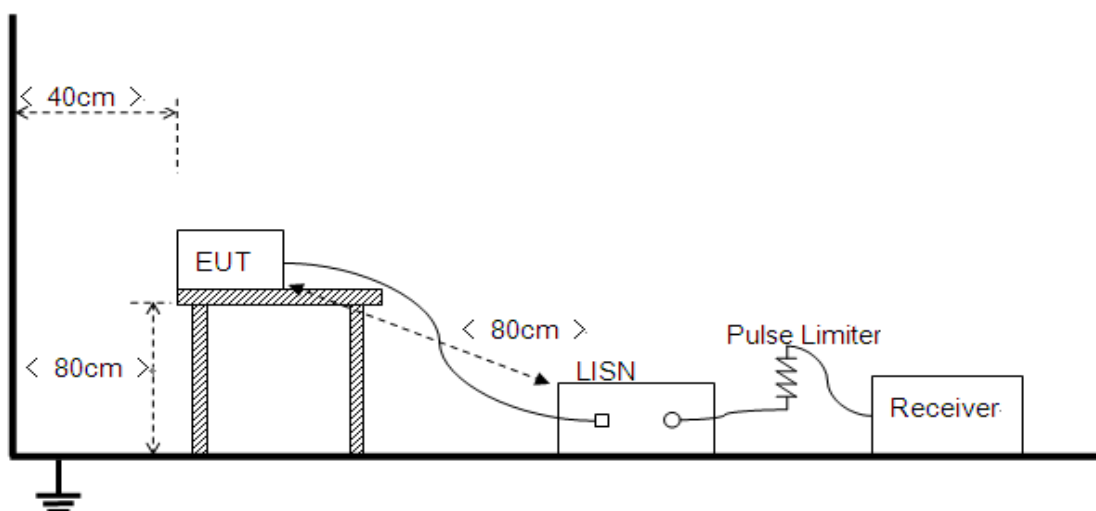
Frequency Range (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- The limit subjects to the Class B digital device.
- The lower limit shall apply at the band edges.
- The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.1.2. Test Setup

Please refer to Annex A for the photographs of the Test Configuration.





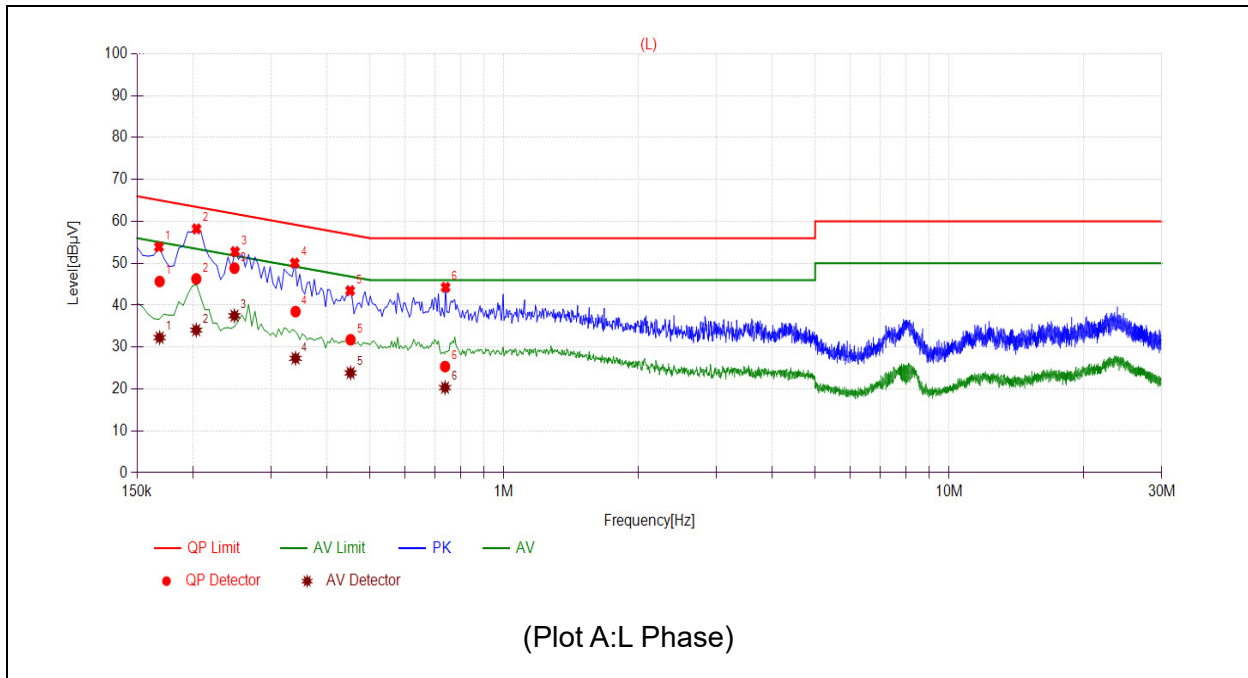
The EUT is placed on a 0.8m high insulating table, which stands on the grounded conducting floor, and keeps 0.4m away from the grounded conducting wall. The EUT is connected to the power mains through a LISN which provides $50\Omega/50\mu\text{H}$ of coupling impedance for the measuring instrument. A Pulse Limiter is used to protect the measuring instrument. The factors of the whole test system are calibrated to correct the reading.

The power strip or extension cord has been investigated to make sure that the LISN integrity is maintained with respect to the impedance characteristics as prescribed in ANSI C63.4-2014 at Clause 4.3.

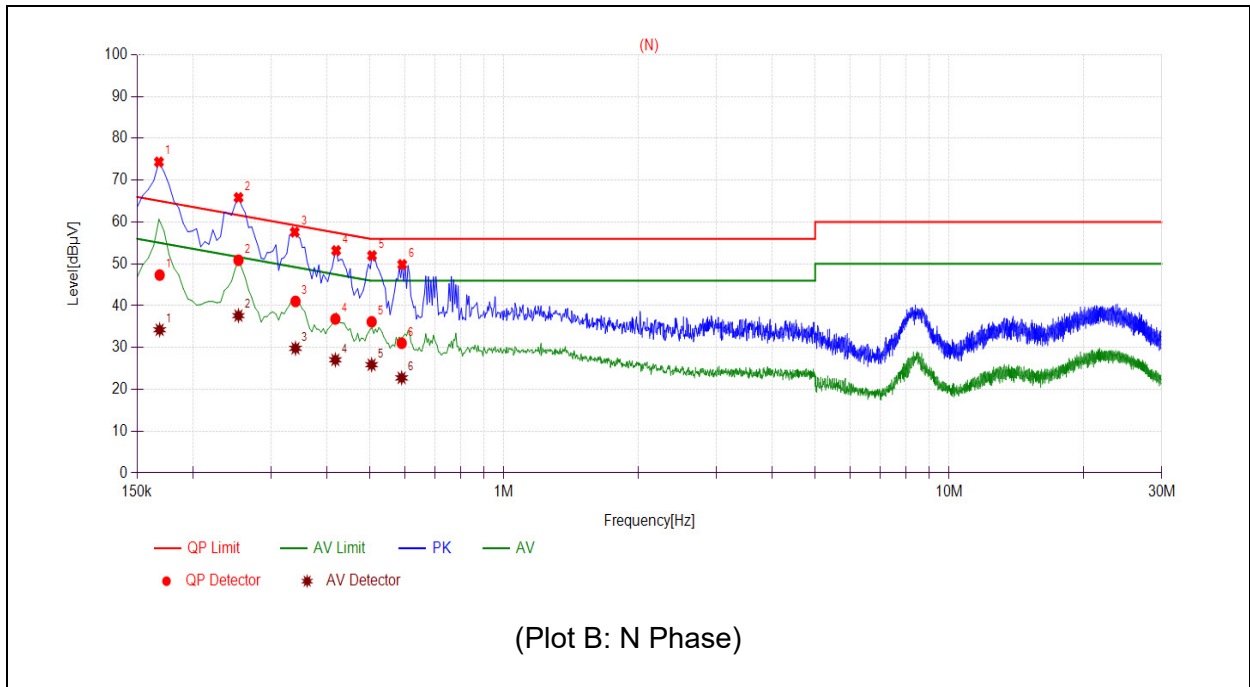
3.1.3. Test Result

Set RBW=9 kHz, VBW=30 kHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. All test modes are considered, refer to recorded points and plots below.

A. Test Plot and Suspicious Points:



No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quasi-peak	Average	Quasi-peak	Average		
1	0.1686	45.66	32.26	65.03	55.03	Line	PASS
2	0.2037	46.27	34.05	63.46	53.46		PASS
3	0.2482	48.84	37.48	61.82	51.82		PASS
4	0.3404	38.46	27.32	59.19	49.19		PASS
5	0.4525	31.75	23.84	56.83	46.83		PASS
6	0.7375	25.35	20.32	56.00	46.00		PASS



No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quasi-peak	Average	Quasi-peak	Average		
1	0.1686	47.32	34.24	65.03	55.03	Neutral	PASS
2	0.2534	50.87	37.62	61.64	51.64		PASS
3	0.3403	41.03	29.81	59.20	49.20		PASS
4	0.4182	36.83	27.05	57.48	47.48		PASS
5	0.5045	36.15	25.88	56.00	46.00		PASS
6	0.5892	31.02	22.74	56.00	46.00		PASS



3.2. Radiated Emission

3.2.1. Requirement

According to FCC section 15.109 (a), the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency Range (MHz)	Field Strength Limitation at 3m Measurement Dist	
	($\mu\text{V/m}$)	($\text{dB}\mu\text{V/m}$)
30.0 - 88.0	100	20log 100
88.0 - 216.0	150	20log 150
216.0 - 960.0	200	20log 200
Above 960.0	500	20log 500

As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

Note:

- 1) The tighter limit shall apply at the boundary between two frequency range.
- 2) Limitation expressed in $\text{dB}\mu\text{V/m}$ is calculated by $20\log$ Emission Level($\mu\text{V/m}$).

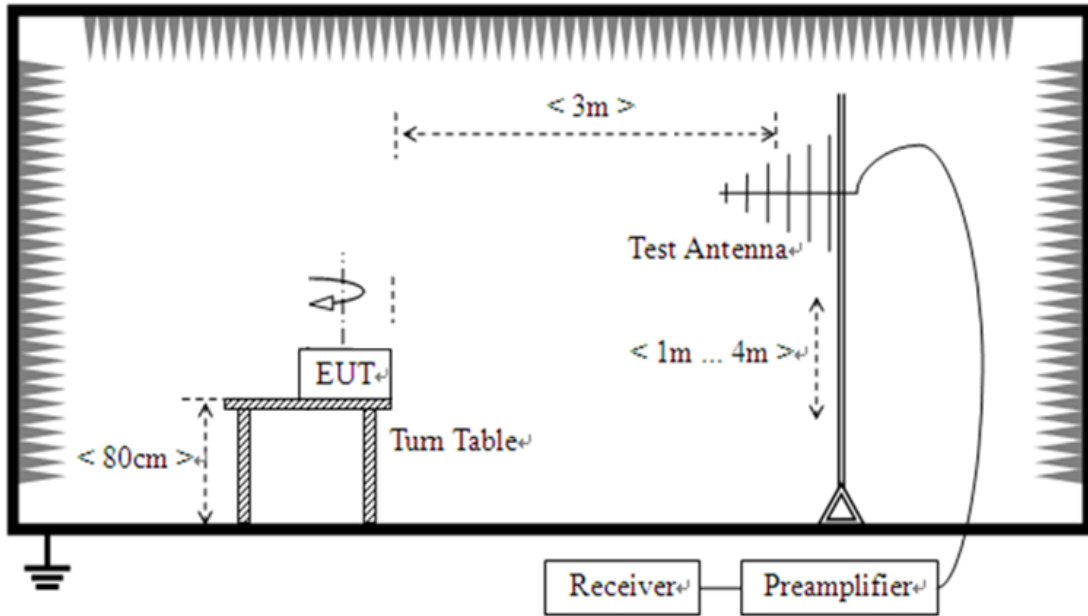
3.2.2. Frequency Range of Measurement

According to 15.33(b)(1), the frequency range of radiated measurement for the EUT is listed in the following table:

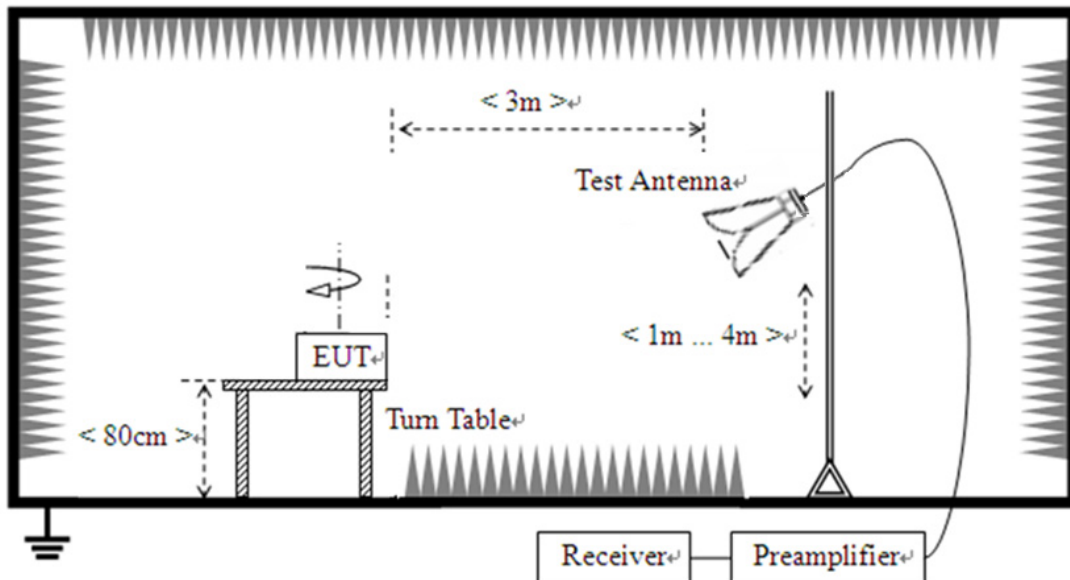
Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30.
1.705-108	1000.
108-500	2000.
500-1000	5000.
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

3.2.3. Test Setup

- 1) For radiated emissions from 30MHz to 1GHz



- 2) For radiated emissions above 1GHz





The test is performed in a 3m Semi-Anechoic Chamber; the antenna factor, cable loss and so on of the site (factors) is calculated to correct the reading. The EUT is placed on a 0.8m high insulating Turn Table, and keeps 3m away from the Test Antenna, which is mounted on variable-height antenna master tower.

For the test Antenna:

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

For measurements below 1GHz the resolution bandwidth is set to 120 kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

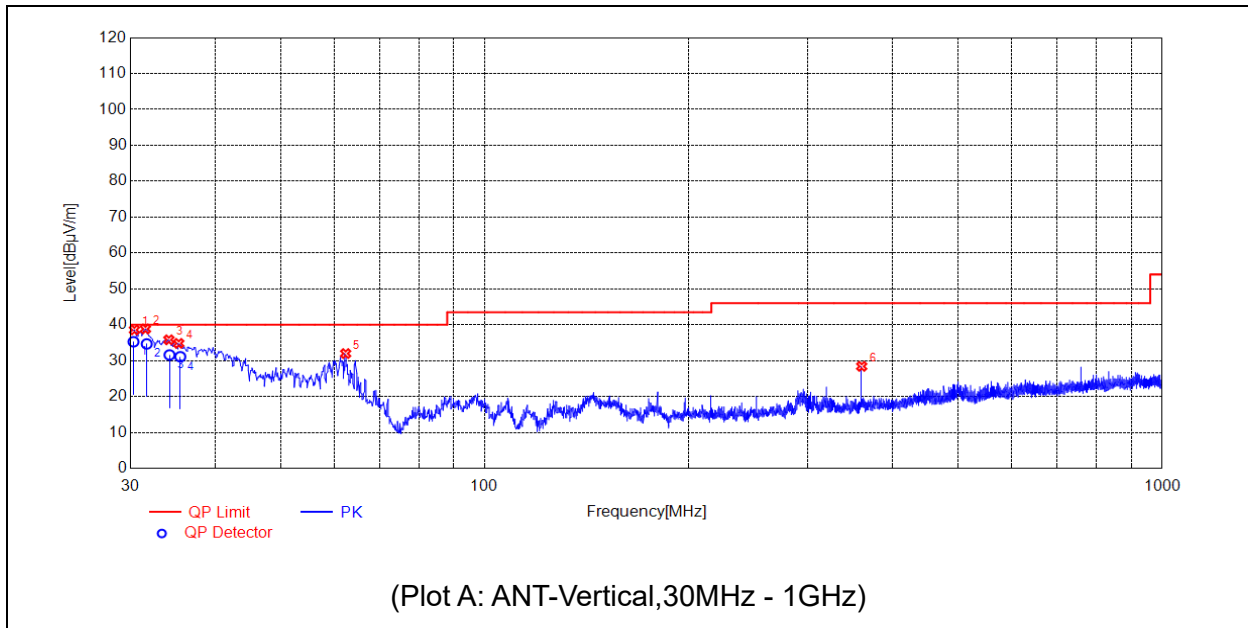
For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video bandwidth is set to 3MHz for peak measurements and as applicable for average measurements.

3.2.4. Test Result

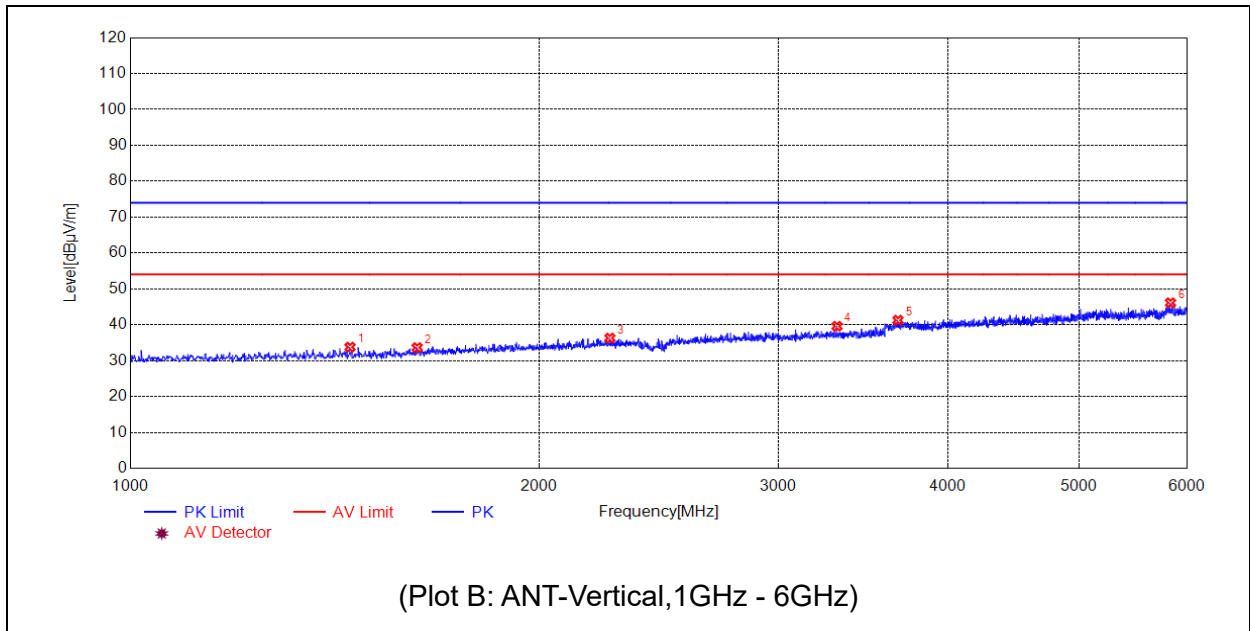
The maximum radiated emission is searched using PK, QP and AV detectors; the emission levels more than the limits, and that have narrow margins from the limits will be re-measured with AV and QP detectors. Both the vertical and the horizontal polarizations of the Test Antenna are considered to perform the tests. All test modes are considered, refer to recorded points and plots below.

The amplitude of emissions which (6GHz-30GHz) are attenuated more than 20 dB below the permissible value need not be reported.

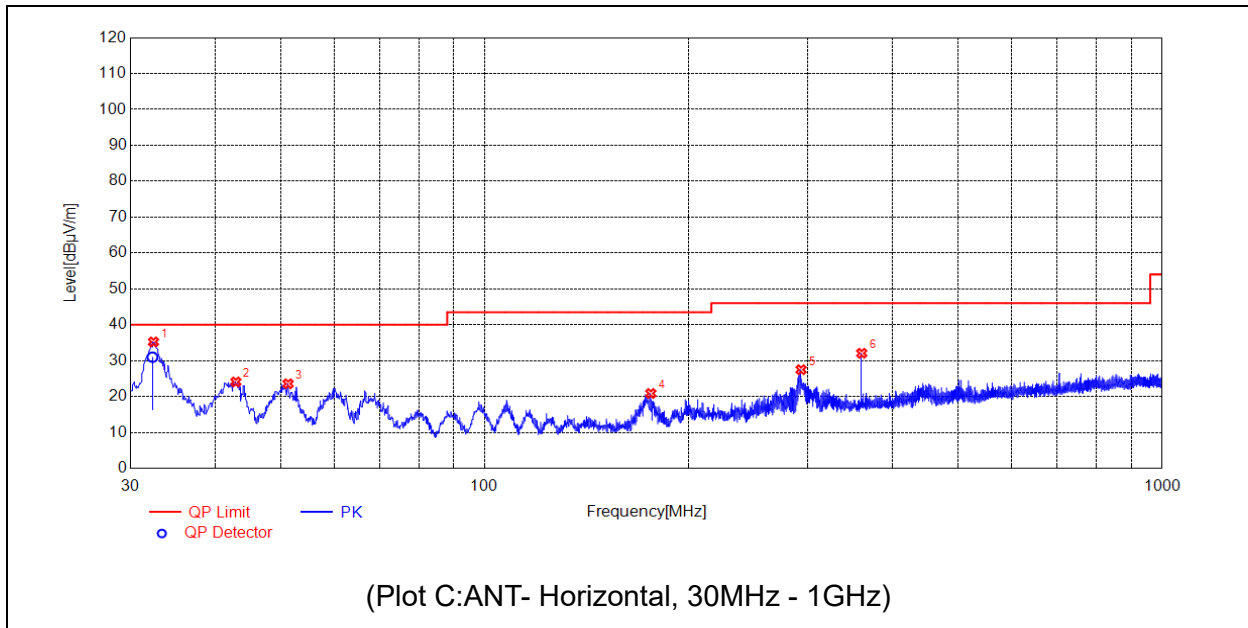
Note: All radiated emission tests were performed in X, Y, Z axis direction, and only the worst axis test condition was recorded in this test report.



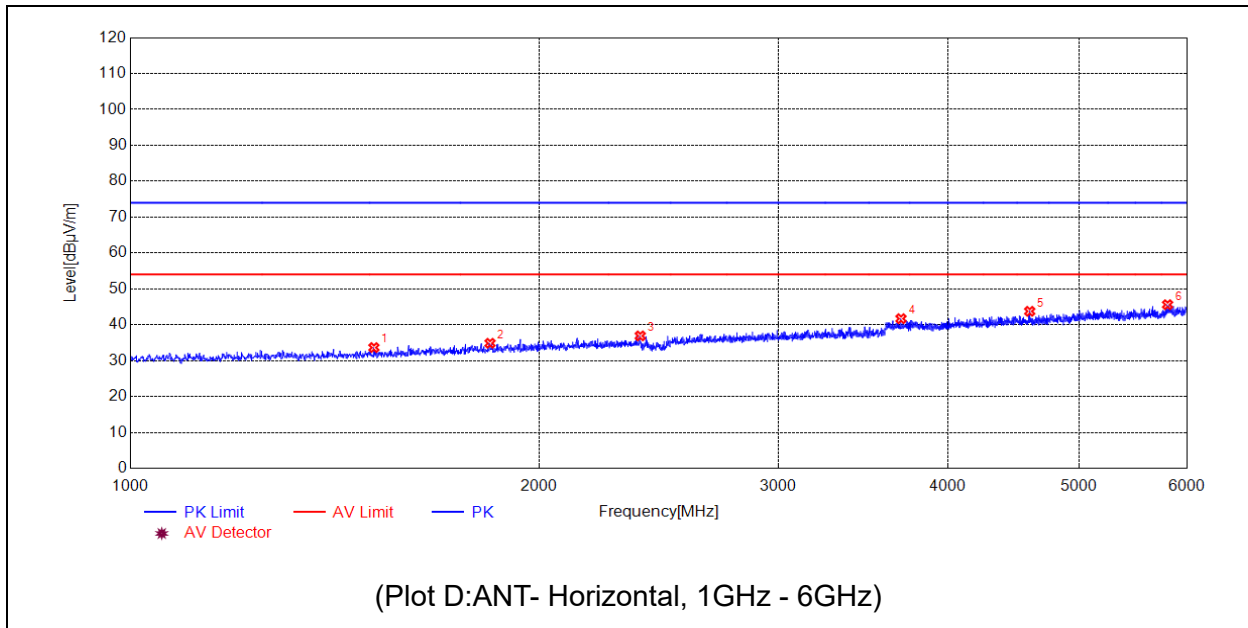
No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	30.3880	38.56	35.27	N.A	N.A	40.00	N.A	V	PASS
2	31.5522	38.83	34.67	N.A	N.A	40.00	N.A	V	PASS
3	34.1714	35.81	31.60	N.A	N.A	40.00	N.A	V	PASS
4	35.3355	34.81	31.10	N.A	N.A	40.00	N.A	V	PASS
5	62.3042	31.98	N.A	N.A	N.A	40.00	N.A	V	PASS
6	360.0270	28.41	N.A	N.A	N.A	46.00	N.A	V	PASS



No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	1451.0902	33.77	N.A	N.A	74.00	N.A	54.00	V	PASS
2	1626.1252	33.64	N.A	N.A	74.00	N.A	54.00	V	PASS
3	2255.2511	36.29	N.A	N.A	74.00	N.A	54.00	V	PASS
4	3315.4631	39.59	N.A	N.A	74.00	N.A	54.00	V	PASS
5	3676.5353	41.28	N.A	N.A	74.00	N.A	54.00	V	PASS
6	5837.9676	46.13	N.A	N.A	74.00	N.A	54.00	V	PASS



No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	32.4252	35.22	30.97	N.A	N.A	40.00	N.A	H	PASS
2	42.9023	24.07	N.A	N.A	N.A	40.00	N.A	H	PASS
3	51.2451	23.56	N.A	N.A	N.A	40.00	N.A	H	PASS
4	175.8056	20.85	N.A	N.A	N.A	43.50	N.A	H	PASS
5	292.9933	27.49	N.A	N.A	N.A	46.00	N.A	H	PASS
6	360.0270	32.07	N.A	N.A	N.A	46.00	N.A	H	PASS



No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	1511.1022	33.65	N.A	N.A	74.00	N.A	54.00	H	PASS
2	1840.1680	34.85	N.A	N.A	74.00	N.A	54.00	H	PASS
3	2374.2749	36.90	N.A	N.A	74.00	N.A	54.00	H	PASS
4	3695.5391	41.70	N.A	N.A	74.00	N.A	54.00	H	PASS
5	4597.7195	43.75	N.A	N.A	74.00	N.A	54.00	H	PASS
6	5808.9618	45.60	N.A	N.A	74.00	N.A	54.00	H	PASS



Annex B Test Uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

Uncertainty of Conducted Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95%(U=2Uc(y))	9kHz-150kHz	±3.3dB
	150kHz-30MHz	±2.8dB

Uncertainty of Radiated Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95%(U=2Uc(y))	30MHz-200MHz	±5.06dB
	200MHz-1000MHz	±5.04dB
	1GHz-6GHz	±5.18dB
	6GHz-18GHz	±5.48dB



Annex C Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Accreditation Certificate

Accredited Testing Laboratory:	The FCC designation number is CN1192. Test firm registration number is 226174. (Shenzhen Morlab Communications Technology Co., Ltd.)
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4. Test Software Utilized

Model	Version Number	Producer
TS+ -[JS32-RE]	Version 2.5.0.6	Tonscend
TS+ -[JS32-CE]	Version 2.5.0.0	Tonscend

**5. Test Equipments Utilized**

Description	Model	Serial No.	Manufacturer	Cal. Date	Due. Date
Bi-Log Antenna	VULB 9163	9163-519	SCHWARZBE CK	2022/5/25	2025/5/24
Horn Antenna	BBHA9170	BBHA9170 #773	SCHWARZBE CK	2022/7/14	2025/7/13
Horn Antenna	BBHA 9120D	01774	SCHWARZBE CK	2022/7/13	2025/7/12
Receiver	N9038A	MY5413001 6	Agilent	2022/7/7	2023/7/6
Receiver	N9038A	MY5640009 3	KEYSIGHT	2022/3/3	2023/3/2
Signal Analyzer	N9020A	MY5606014 5	Agilent	2022/7/4	2023/7/3
6db Attenuator	BW-N6W5+	E191001	Mini-circuits	2022/10/11	2023/10/10
Preamplifier	S020180L320 3	61171/6117 2	LUCIX CORP.	2022/7/8	2023/7/7
Preamplifier	S10M100L380 2	46732	LUCIX CORP.	2022/7/8	2023/7/7
Preamplifier	DCLNA0118-4 0C-S	DS77209	Decentest	2022/7/23	2023/7/22
Receiver	ESPI	101052	R&S	2022/7/7	2023/7/6
LISN	NSLK 8127	8127449	Schwarzbeck	2022/3/3	2023/3/2
10dB Pulse Limiter	VTSD 9561-F	VTSD 9561 F-B #206	SCHWARZBE CK	2022/7/6	2023/7/5
System Simulator	CMW500	152038	R&S	2022/10/11	2023/10/10
System Simulator	MT8000A	626214824 9	anritsu	2022/8/15	2023/8/14
System Simulator	MT8821C	626183057 2	anritsu	2022/2/14	2023/2/13

5. Ancillary Equipment Utilized

Description	Manufacturer	Model	Serial No.
earphone	VIVO	N/A	N/A
PC	DELL	VOSTRO 5370	DF2DR A01 DPC
PC ADAPTER	DELL	LA45NM140	OKXTTW

END OF REPORT