

TEST REPORT

Application No.: ZR/2021/50040
Applicant: Great Talent Technology Limited
Address of Applicant: 35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China
Manufacturer: Great Talent Technology Limited
Address of Manufacturer: 35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China
EUT Description: smart phone
Model No.: U696CL
Trade Mark: UMX
FCC ID: 2ALZM- U696CL
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2021/7/2
Date of Test: 2021/7/2 to 2021/7/26
Date of Issue: 2021/8/3

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:




Simon Ling

Wireless Laboratory Manager



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<i>Revision Record</i>				
<i>Version</i>	<i>Chapter</i>	<i>Date</i>	<i>Modifier</i>	<i>Remark</i>
01		2021/8/3		Original

Prepared By		 <hr/> (Leah Chen) / Engineer
Checked By		 <hr/> (Daniel Wang) /Reviewer



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Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (above 1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass

Internal Source	Upper Frequency
Below 1.705MHz	30MHz
1.705MHz to 108MHz	1GHz
108MHz to 500MHz	2GHz
500MHz to 1GHz	5GHz
Above 1GHz	5th harmonic of the highest frequency or 40GHz, whichever is lower



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1 General Information

Product Name:	smart phone		
Model No.(EUT):	U696CL		
Trade Mark:	UMX		
Hardware Version:	U696CL_V1.0		
Software Version:	UMX_U696CL_V11.01.01.01.061711		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	GSM850	824~849	869~894
	GSM1900	1850~1910	1930~1990
	WCDMA Band II	1850~1910	1930~1990
	WCDMA Band IV	1710~1755	2110~2155
	WCDMA Band V	824~849	869~894
	LTE Band 2	1850~1910	1930~1990
	LTE Band 4	1710~1755	2110~2155
	LTE Band 5	824~849	869~894
	LTE Band 12	699~716	729~746
	LTE Band 25	1850~1915	1930~1995
	LTE Band 26	814~849	859~894
	LTE Band 41	2496~2690	2496~2690
	LTE Band 66	1710~1780	2110~2200
	LTE Band 71	663~698	617~652
	Wi-Fi 2.4G	2412~2462	2412~2462
	Bluetooth	2402~2480	2402~2480
GNSS	1599~1610		



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1.1 Accessory of E.U.T.

Item No.	Mode No.	Manufacturer
Adapter	TPA-5950100UU	ShenZhen Kingfulin Technology Co., Ltd.
USB cable	TYPE-C TO USB/A/M L0.8M BLK	Dongguan Guojun Plastic Electronics Co., Ltd.
Battery (EUT)	UBT2300	Phenix New Energy(Hui Zhou)Co.,Ltd.

1.2 Description of Support Units

Description	Manufacturer	Model No.	Inventory No.
Router	NETGEAR	R6020	No.XA1401
Computer	Lenovo	L480	No.XA1402
Mouse	A4TECH	OP-520NU USB	No.XA1403

1.3 Test Location

All tests were performed at:

Company:	SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.
Address:	1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China
Post code:	710086
Test engineer:	Leah Chen, Ken Liu, Andy Yao

No tests were sub-contracted.

1.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA (Certificate No. 4854.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

FCC-Designation Number: CN1271.

1.5 Deviation from Standards

None

1.6 Abnormalities from Standard Conditions

None



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2 Emission Test Results

2.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	150kHz to 30MHz
Limit:	
0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

2.1.1 E.U.T. Operation

Operating Environment:

Temperature: 18.9 °C Humidity: 55.1 % RH Atmospheric Pressure: 1000 mbar

- Pretest these modes to find the worst case:
- a: Transfer data between the EUT and the PC+USB cable
 - b: GSM 850 Idle+BT+WLAN+GNSS Rx+playing MP4 (SD card) + USB Cable+adapter
 - c: WCDMA Band V Idle +BT+WLAN+GNSS Rx+camera (Front) + USB Cable+adapter
 - d: LTE Band 5 Idle+BT+WLAN +GNSS Rx+ camera (Back)+ USB Cable+adapter
 - e: LTE Band 26 Idle+BT+WLAN +GNSS Rx+ camera (worst)+ USB Cable+adapter
 - f: LTE Band 71 Idle+BT+WLAN +GNSS Rx+ camera (worst)+ USB Cable+adapter

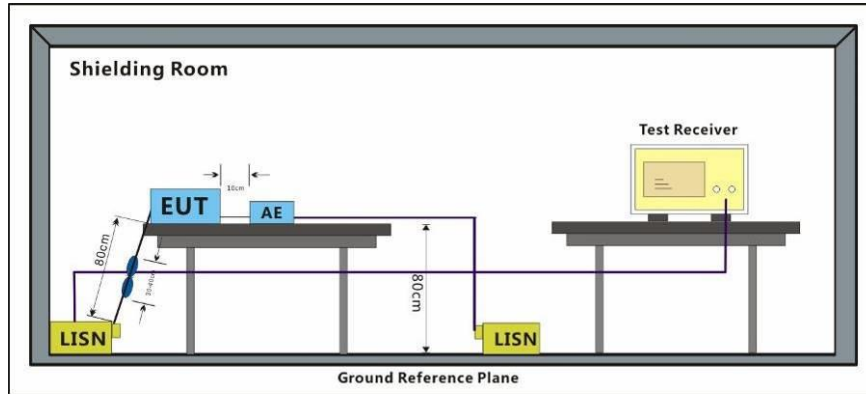
- The worst case for final test:
- a: Transfer data between the EUT and the PC+USB cable
 - d: LTE Band 5 Idle+BT+WLAN +GNSS Rx+ camera (Back)+ USB Cable+adapter



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2.1.2 Test Setup Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



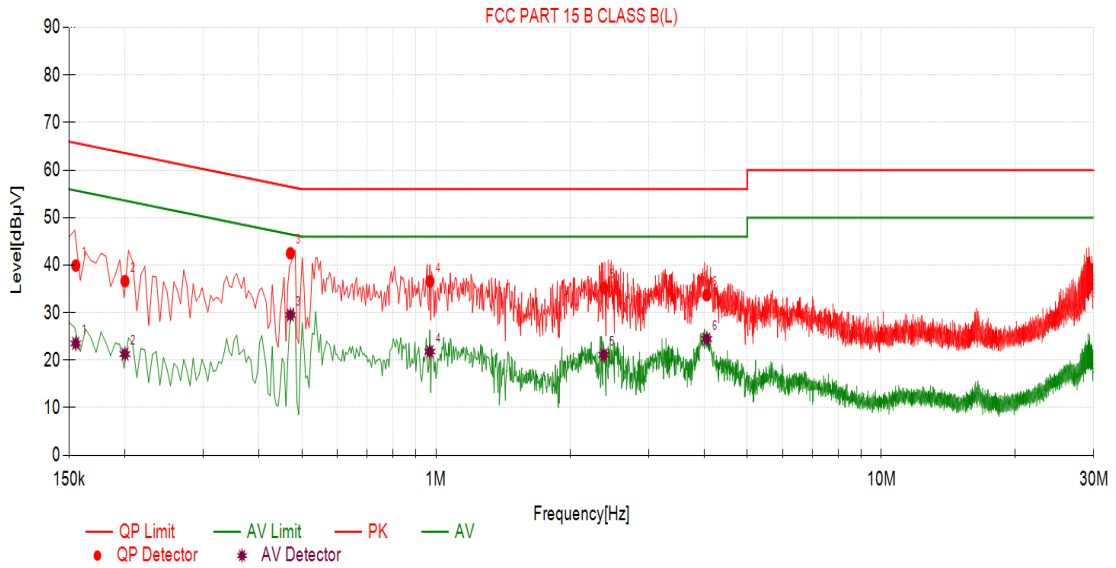
2.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



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Mode:a; Line:Live Line



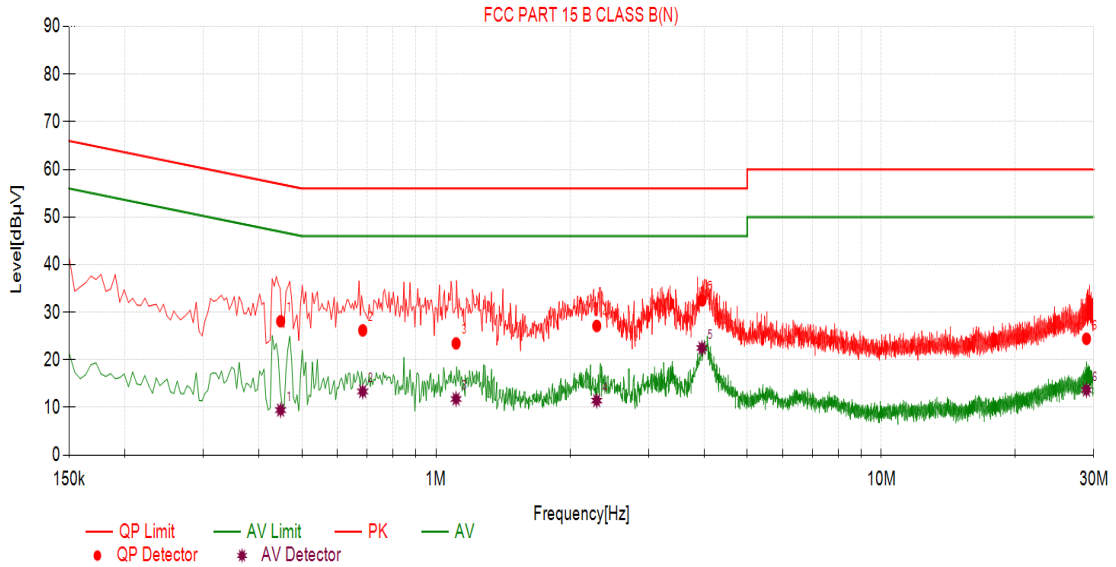
Test Graph

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1553	10.10	39.94	65.71	25.77	23.55	55.71	32.16
2	0.2003	10.13	36.65	63.60	26.95	21.30	53.60	32.30
3	0.4711	10.15	42.52	56.49	13.97	29.51	46.49	16.98
4	0.9692	10.18	36.60	56.00	19.40	21.83	46.00	24.17
5	2.3829	10.12	35.22	56.00	20.78	21.14	46.00	24.86
6	4.0537	9.81	33.71	56.00	22.29	24.45	46.00	21.55



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Mode:a; Line:Neutral Line



Test Graph

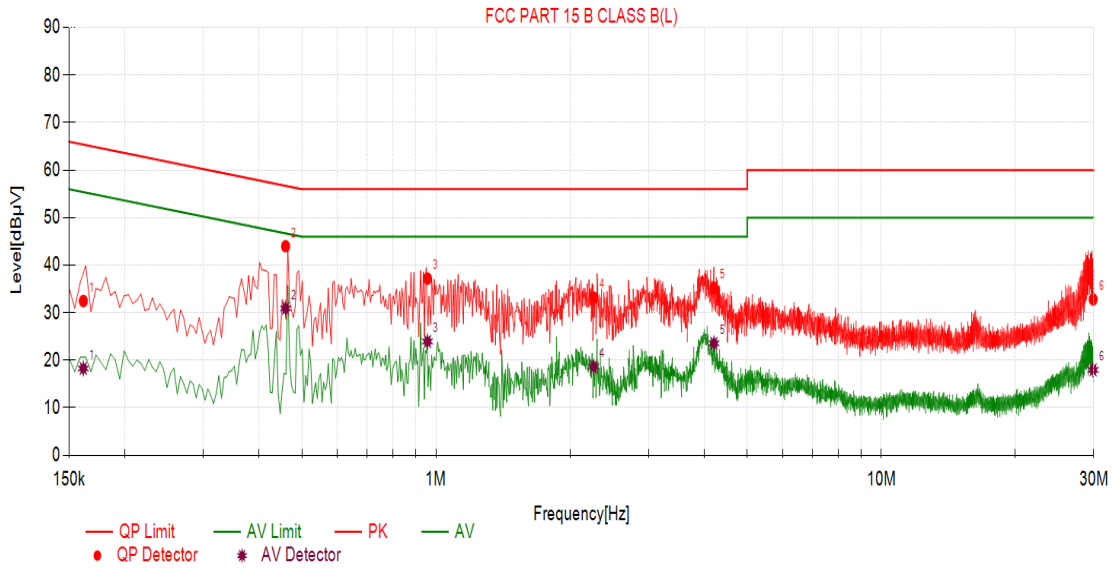
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.4480	10.15	28.12	56.91	28.79	9.45	46.91	37.46
2	0.6848	10.16	26.21	56.00	29.79	13.37	46.00	32.63
3	1.1098	10.18	23.47	56.00	32.53	11.80	46.00	34.20
4	2.2963	10.13	27.13	56.00	28.87	11.45	46.00	34.55
5	3.9569	9.83	32.51	56.00	23.49	22.50	46.00	23.50
6	28.8892	13.84	24.43	60.00	35.57	13.66	50.00	36.34



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Mode:d; Line:Live Line



Test Graph

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1615	10.10	32.47	65.39	32.92	18.27	55.39	37.12
2	0.4596	10.15	44.00	56.70	12.70	30.90	46.70	15.80
3	0.9572	10.18	37.19	56.00	18.81	23.95	46.00	22.05
4	2.2612	10.14	33.18	56.00	22.82	18.66	46.00	27.34
5	4.2099	9.77	35.22	56.00	20.78	23.56	46.00	22.44
6	29.9020	11.60	32.82	60.00	27.18	17.98	50.00	32.02



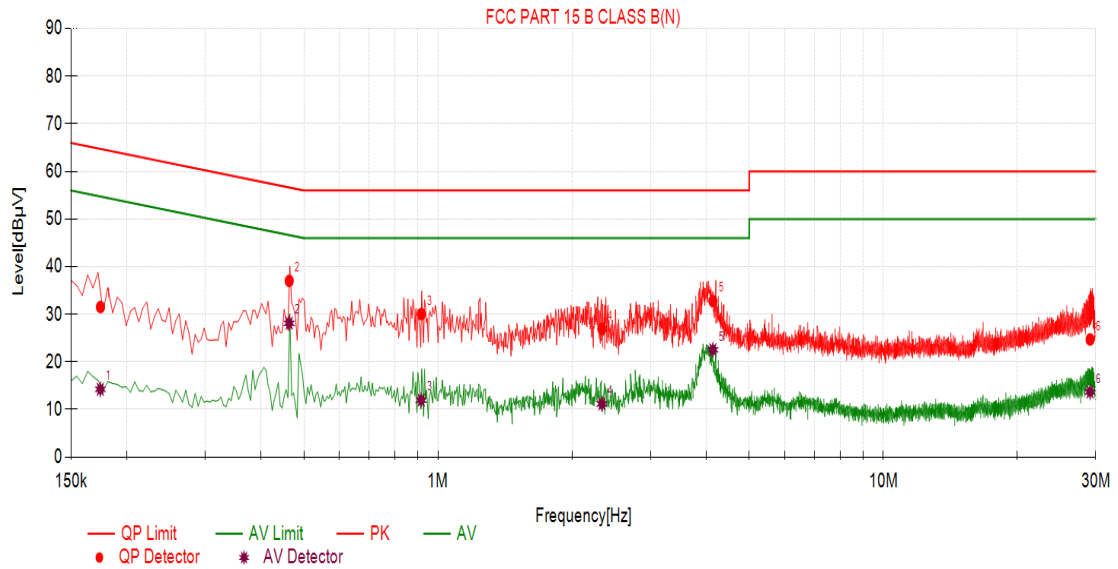
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Mode:d; Line:Neutral Line



Test Graph

Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1746	10.11	31.53	64.74	33.21	14.24	54.74	40.50
2	0.4635	10.15	37.02	56.63	19.61	28.12	46.63	18.51
3	0.9172	10.18	30.05	56.00	25.95	11.96	46.00	34.04
4	2.3347	10.13	26.93	56.00	29.07	11.18	46.00	34.82
5	4.1447	9.79	32.76	56.00	23.24	22.54	46.00	23.46
6	29.1303	13.86	24.71	60.00	35.29	13.68	50.00	36.32



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2.2 Radiated Emissions (30MHz-1GHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m
Limit:	
30MHz -88MHz	40.0(dBμV/m) quasi-peak
88MHz-216MHz	43.5(dBμV/m) quasi-peak
216MHz-960MHz	46.0(dBμV/m) quasi-peak
960MHz-1000MHz	54.0(dBμV/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

2.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 66.5 % RH Atmospheric Pressure: 1010 mbar

- Pretest these modes to find the worst case:
- a: Transfer data between the EUT and the PC+USB cable
 - b: GSM 850 Idle+BT+WLAN+GNSS Rx+playing MP4 (SD card) + USB Cable+adapter
 - c: WCDMA Band V Idle +BT+WLAN+GNSS Rx+camera (Front) + USB Cable+adapter
 - d: LTE Band 5 Idle+BT+WLAN +GNSS Rx+ camera (Back)+ USB Cable+adapter
 - e: LTE Band 26 Idle+BT+WLAN +GNSS Rx+ camera (worst)+ USB Cable+adapter
 - f: LTE Band 71 Idle+BT+WLAN +GNSS Rx+ camera (worst)+ USB Cable+adapter

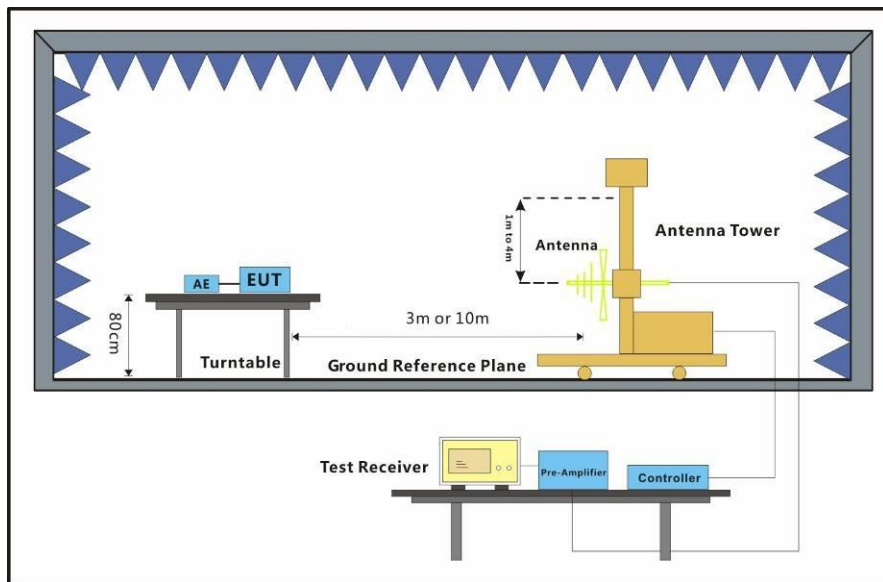
- The worst case for final test:
- a: Transfer data between the EUT and the PC+USB cable
 - c: WCDMA Band V Idle +BT+WLAN+GNSS Rx+camera (Front) + USB Cable+adapter



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2.2.2 Test Setup Procedures

1. The EUT was placed in a semi Anechoic Chamber as show below
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna height is adjusted between 1 to 4 meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.
7. If the emission level of the EUT in peak mode was 6 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.



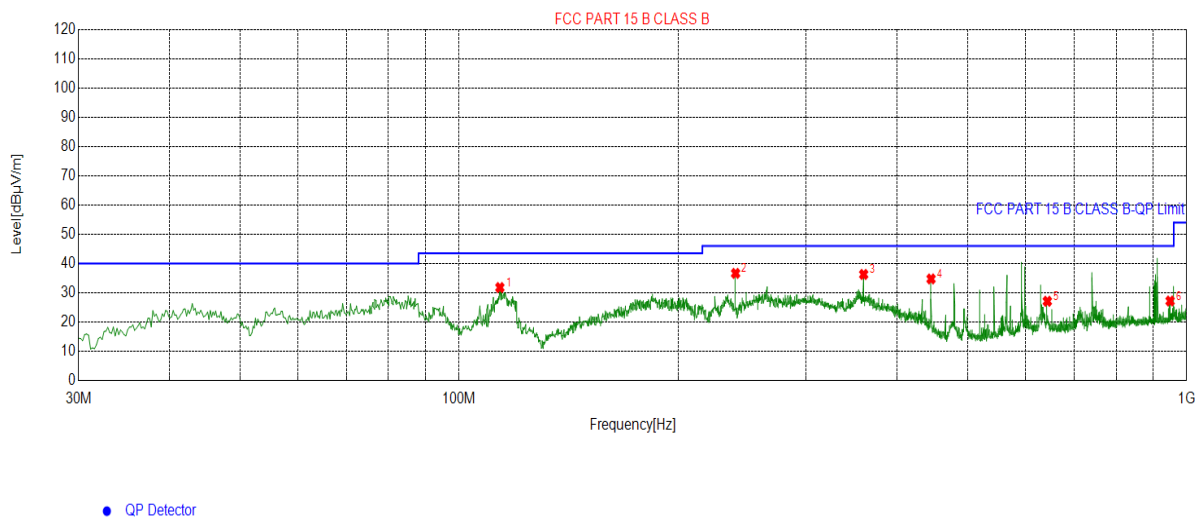
2.2.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. The three polarities of X,Y,Z were measured by EUT, but only the worst data had been displayed.



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Mode:a; Polarization:Horizontal



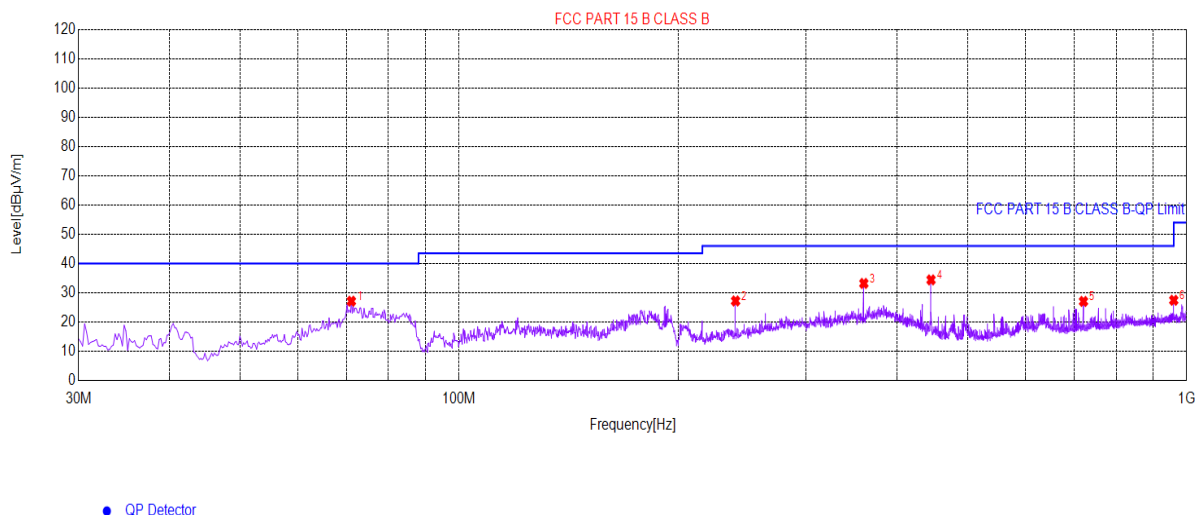
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	113.824	31.79	-22.77	43.50	11.71	187	50	Horizontal
2	239.950	36.64	-20.83	46.00	9.36	254	8	Horizontal
3	359.866	36.27	-17.55	46.00	9.73	226	288	Horizontal
4	445.437	34.74	-16.17	46.00	11.26	284	358	Horizontal
5	643.550	27.10	-12.18	46.00	18.90	281	60	Horizontal
6	948.967	27.19	-7.94	46.00	18.81	259	92	Horizontal

Final Data List



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Mode:a; Polarization:Vertical



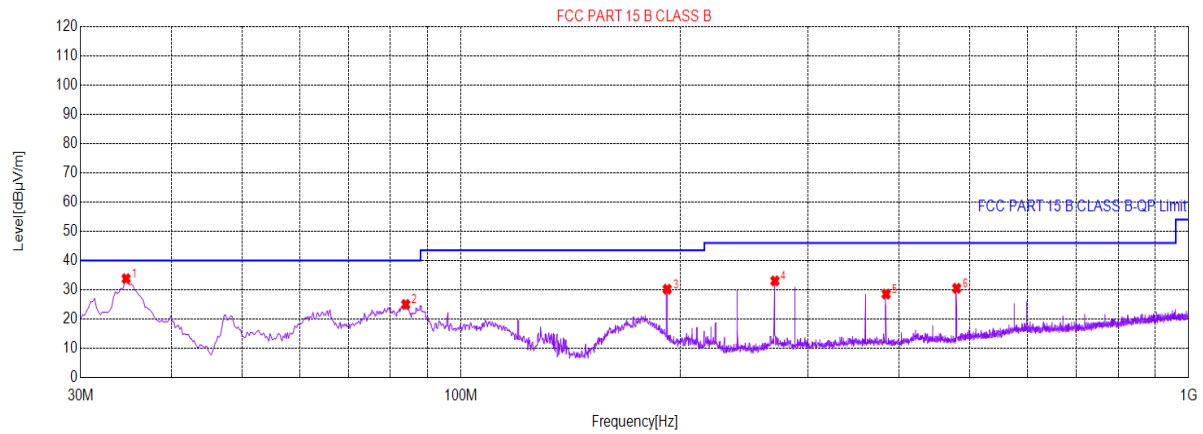
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.1362	27.13	-23.88	40.00	12.87	284	49	Vertical
2	239.950	27.20	-20.83	46.00	18.80	256	278	Vertical
3	360.060	33.19	-17.55	46.00	12.81	287	358	Vertical
4	445.437	34.41	-16.17	46.00	11.59	214	88	Vertical
5	721.554	27.05	-11.38	46.00	18.95	177	194	Vertical
6	960.028	27.44	-7.89	54.00	26.56	269	2	Vertical

Final Data List



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Mode:c; Polarization: Vertical



● QP Detector

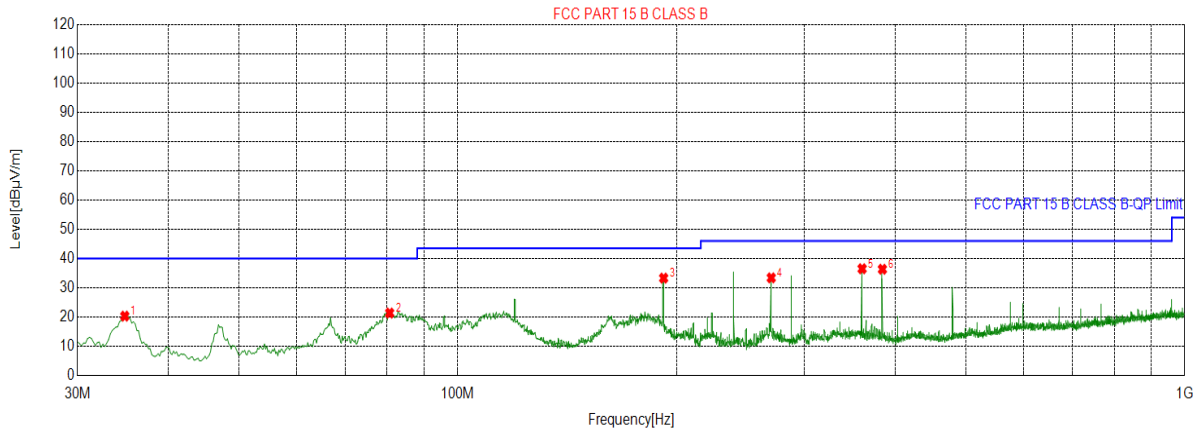
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	34.6569	33.79	-31.46	40.00	6.21	187	2	Vertical
2	83.9428	24.99	-32.14	40.00	15.01	254	234	Vertical
3	192.022	30.19	-30.43	43.50	13.31	263	170	Vertical
4	270.026	33.04	-27.24	46.00	12.96	287	360	Vertical
5	383.926	28.53	-25.16	46.00	17.47	295	357	Vertical
6	479.976	30.52	-23.58	46.00	15.48	284	278	Vertical

Final Data List



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Mode:c; Polarization: Horizontal



● QP Detector

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	34.8510	20.31	-31.44	40.00	19.69	225	256	Horizontal
2	80.6441	21.37	-32.26	40.00	18.63	263	75	Horizontal
3	192.022	33.30	-30.43	43.50	10.20	284	220	Horizontal
4	270.026	33.39	-27.24	46.00	12.61	271	50	Horizontal
5	360.060	36.50	-25.17	46.00	9.50	259	43	Horizontal
6	383.926	36.33	-25.16	46.00	9.67	187	50	Horizontal

Final Data List



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2.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4:2014
Frequency Range: Above 1GHz
Measurement Distance: 3m
Limit:
Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average
Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 40000MHz

2.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.7 °C Humidity: 56.4 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case:

- a: Transfer data between the EUT and the PC+USB cable
- b: GSM 850 Idle+BT+WLAN+GNSS Rx+playing MP4 (SD card) + USB Cable+adapter
- c: WCDMA Band V Idle +BT+WLAN+GNSS Rx+camera (Front) + USB Cable+adapter
- d: LTE Band 5 Idle+BT+WLAN +GNSS Rx+ camera (Back)+ USB Cable+adapter
- e: LTE Band 26 Idle+BT+WLAN +GNSS Rx+ camera (worst)+ USB Cable+adapter
- f: LTE Band 71 Idle+BT+WLAN +GNSS Rx+ camera (worst)+ USB Cable+adapter

The worst case for final test:

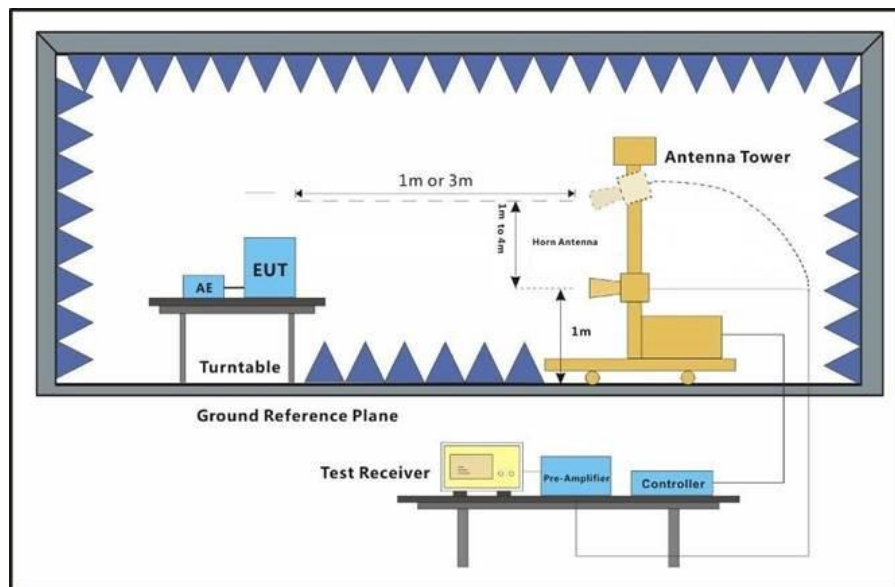
- a: Transfer data between the EUT and the PC+USB cable
- c: WCDMA Band V Idle +BT+WLAN+GNSS Rx+camera (Front) + USB Cable+adapter



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2.3.2 Test Setup Procedures

1. The EUT was placed in a full Anechoic Chamber as show below
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna height is adjusted between 1 to 4 meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak and AV Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.



2.3.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

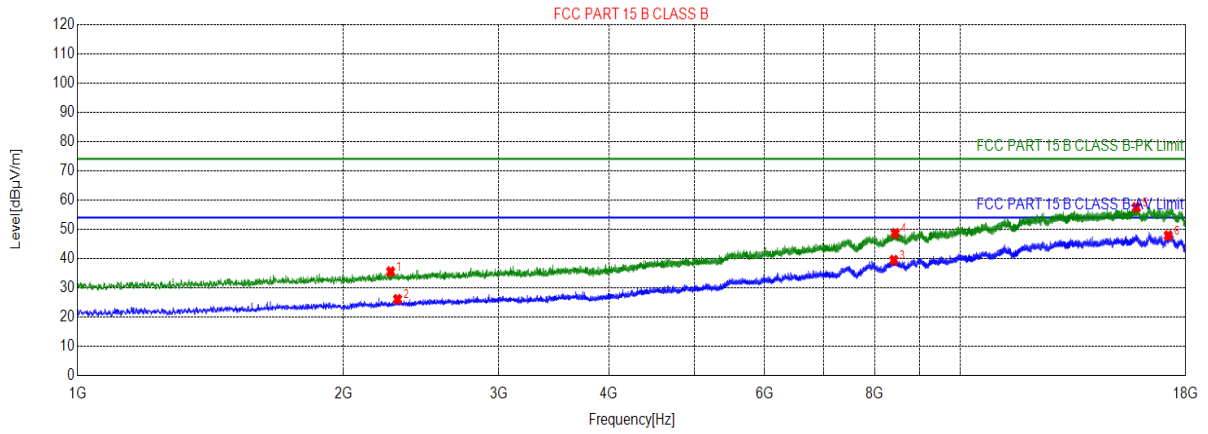
The three polarities of X,Y,Z were measured by EUT, but only the worst data had been displayed.

Scan from 1GHz to 30GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed.



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Mode:a; Polarization:Horizontal



★ PK Detector ✱ AV Detector

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2263.16	35.51	-27.32	74.00	38.49	198	47	Horizontal
2	2303.96	26.08	-27.05	54.00	27.92	175	184	Horizontal
3	8408.97	39.43	-7.52	54.00	14.57	162	107	Horizontal
4	8439.57	48.60	-7.52	74.00	25.40	187	329	Horizontal
5	15824.7	57.44	3.92	74.00	16.56	164	8	Horizontal
6	17200.9	47.82	1.07	54.00	6.18	172	351	Horizontal

Final Data List



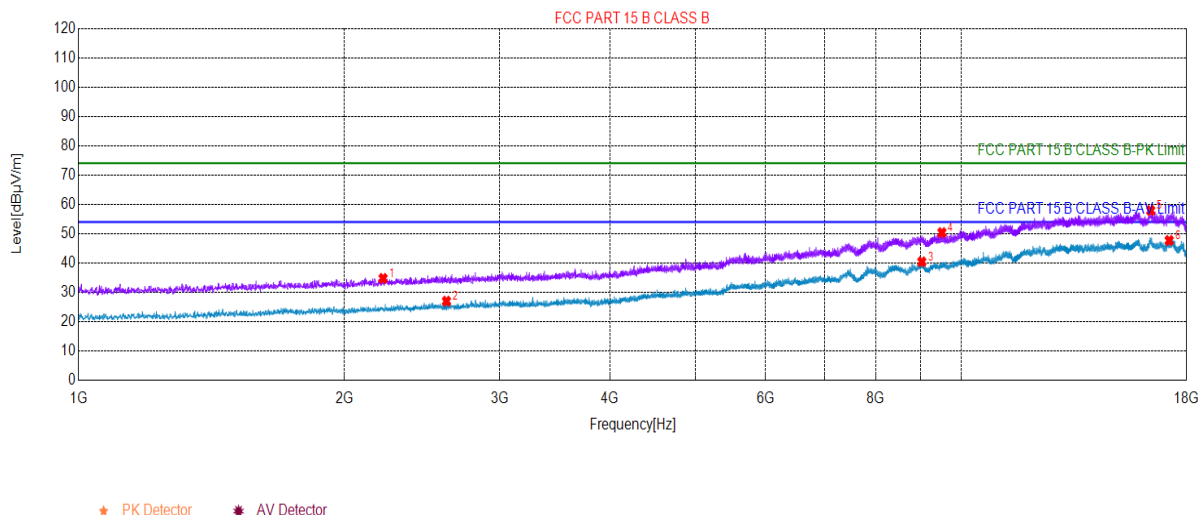
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t (86-29) 6282 7885 sgs.china@sgs.com

Mode:a; Polarization:Vertical



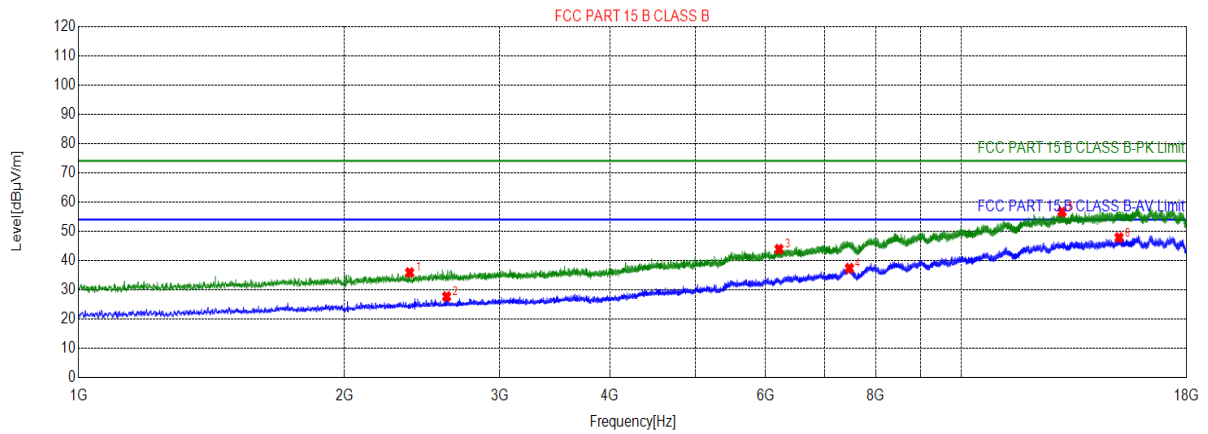
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2213.01	34.73	-27.40	74.00	39.27	200	16	Vertical
2	2610.83	26.98	-26.15	54.00	27.02	100	222	Vertical
3	9021.85	40.42	-6.19	54.00	13.58	100	260	Vertical
4	9508.07	50.35	-5.02	74.00	23.65	200	215	Vertical
5	16390.0	57.90	2.38	74.00	16.10	100	54	Vertical
6	17200.9	47.67	1.07	54.00	6.33	100	222	Vertical

Final Data List



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Mode:c; Polarization:Horizontal



★ PK Detector * AV Detector

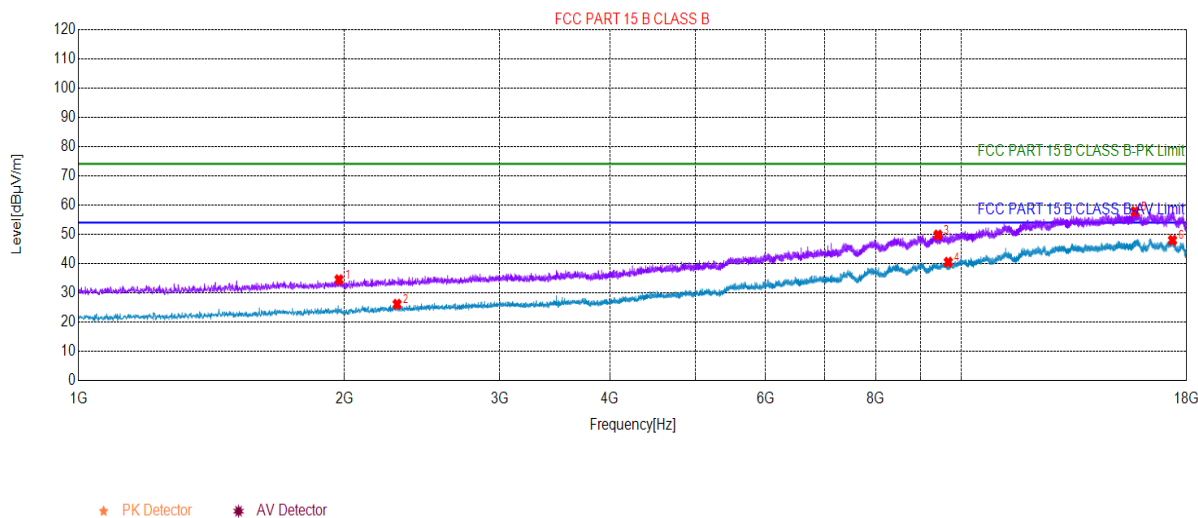
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2371.96	35.87	-27.24	74.00	38.13	174	321	Horizontal
2	2611.68	27.69	-26.14	54.00	26.31	195	48	Horizontal
3	6216.71	43.86	-13.47	74.00	30.14	174	297	Horizontal
4	7468.82	37.33	-9.80	54.00	16.67	165	290	Horizontal
5	13005.1	56.60	2.43	74.00	17.40	187	32	Horizontal
6	15089.4	47.83	3.42	54.00	6.17	192	358	Horizontal

Final Data List



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Mode:c; Polarization:Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1972.44	34.47	-28.12	74.00	39.53	241	245	Vertical
2	2295.46	26.08	-27.07	54.00	27.92	285	16	Vertical
3	9411.17	49.76	-5.10	74.00	24.24	265	176	Vertical
4	9665.33	40.44	-4.49	54.00	13.56	287	16	Vertical
5	15730.3	57.76	4.00	74.00	16.24	265	168	Vertical
6	17349.7	47.94	1.76	54.00	6.06	281	108	Vertical

Final Data List



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3 Equipment List

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020-08-04	2021-08-03
5G UXM	Keysight	E7515B	XAW01-19-02	2020-09-11	2021-09-10
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ CE V2.5	XAW02-05-02	NCR	NCR
CMW500 Wideband Radio Comm Tester	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2021/4/1	2022/3/31
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020/8/4	2021/8/3



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RE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2021-04-01	2022-03-31
Spectrum Analyzer	Keysight	N9020B	XAW01-11-03	2021-04-01	2022-03-31
Spectrum Analyzer	ROHDE&SCHWARZ	FSV3044	101146	2021-06-08	2022-06-08
Radio communication analyzer	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2021-04-01	2022-03-31
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
Receiving antenna (30MHz-3GHz)	Schwarzbeck	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12
Receiving antenna (1GHz~18GHz)	Schwarzbeck	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12
Receiving antenna (15GHz~40GHz)	Schwarzbeck	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2020-10-27	2021-10-26
Amplifier	Shanghai Steed	YX28980930	XAW01-41-06	2020-10-26	2021-10-25
5G UXM	Keysight	E7515B	XAW01-04-01	2020-09-11	2021-09-10
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ RE V3.0.0.2	XAW02-05-01	NCR	NCR
Loop Antenna	Schwarzbeck	FMZB 1519B	XAW01-48-02	2021/6/10	2022/6/9



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4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (Below 1GHz)
		± 4.8dB (1GHz to 6GHz)
		± 4.5dB (6GHz to 18GHz)
		± 5.02dB (Above 18GHz)



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5 Photographs

5.1 Test Setup

Refer to Appendix A Setup Photos.

5.2 EUT Constructional Details (EUT Photos)

Refer to Photographs of EUT Constructional Details

- End of the Report -

