



FCC Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : LTE/WCDMA/GSM(GPRS) Multi-Mode Digital Mobile Phone
BRAND NAME : ZTE
MODEL NAME : Z971
FCC ID : SRQ-Z971
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Dec. 29, 2016 and testing was completed on Jan. 24, 2017. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

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Approved by: Jones Tsai / Manager



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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 13.08 dB at 0.471 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 3.07 dB at 169.590 MHz for Quasi-Peak



1. General Description

1.1. Applicant

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.2. Manufacturer

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	LTE/WCDMA/GSM(GPRS) Multi-Mode Digital Mobile Phone
Brand Name	ZTE
Model Name	Z971
FCC ID	SRQ-Z971
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/ HSPA+(16QAM uplink is not supported)/LTE/ WLAN 2.4GHz 802.11b/g/n HT20/ Bluetooth v3.0 + EDR/Bluetooth v4.0 LE/ Bluetooth v4.1 LE/Bluetooth v4.2 LE
IMEI Code	Conduction: 863727030004471 Radiation: 863727030004653
HW Version	Z971HW1.0
SW Version	Z971V1.0.0B07
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



1.4. Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz WCDMA Band II : 1852.4 MHz ~ 1907.6 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 30 : 2307.5 MHz ~ 2312.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Rx Frequency	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band IV : 2112.4 MHz ~ 2152.6 MHz WCDMA Band II : 1932.4 MHz ~ 1987.6 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 29 : 718.5 MHz ~ 726.5 MHz LTE Band 30 : 2352.5 MHz ~ 2357.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS : 1.57542 GHz Glonass: 1602 MHz + n × 0.5625MHz (n=-7,-6,-5,...0,...6)
Antenna Type	WWAN : IFA Antenna WLAN : IFA Antenna Bluetooth : IFA Antenna GPS/Glonass: IFA Antenna
Type of Modulation	GSM/GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA: BPSK (Uplink) HSPA: QPSK (Uplink) HSPA+: 16QAM (Uplink is not supported) LTE: QPSK / 16QAM 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK GPS/Glonass : BPSK



1.5. Modification of EUT

No modifications are made to the EUT during all test items.

1.6. Test Location

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.	
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958	
Test Site No.	Sporton Site No.	
	CO01-KS	

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.	
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755- 3320-2398	
Test Site No.	Sporton Site No.	FCC Registration No.
	03CH03-SZ	565805

Note: The test site complies with ANSI C63.4 2014 requirement.

1.7. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR FCC Part 15 Subpart B
- ♦ ANSI C63.4-2014

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2. Test Configuration of Equipment Under Test

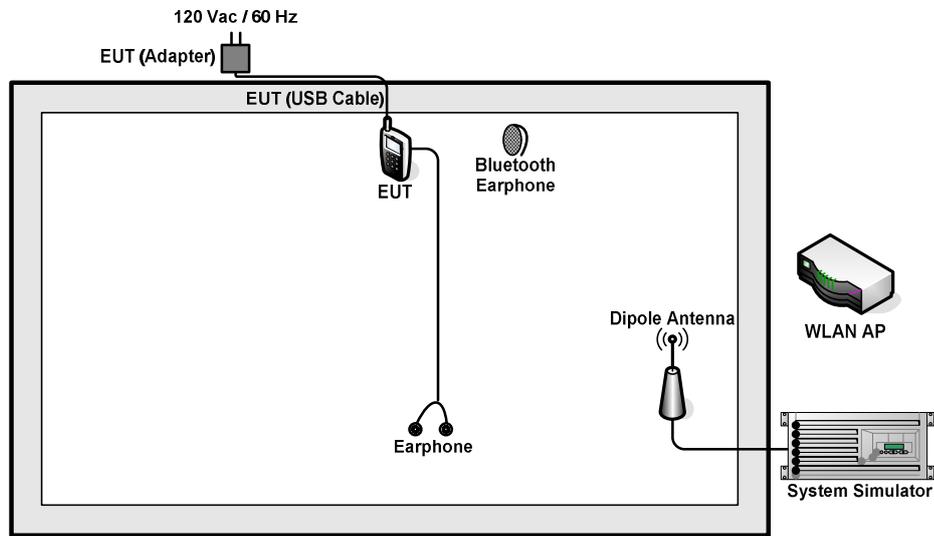
2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

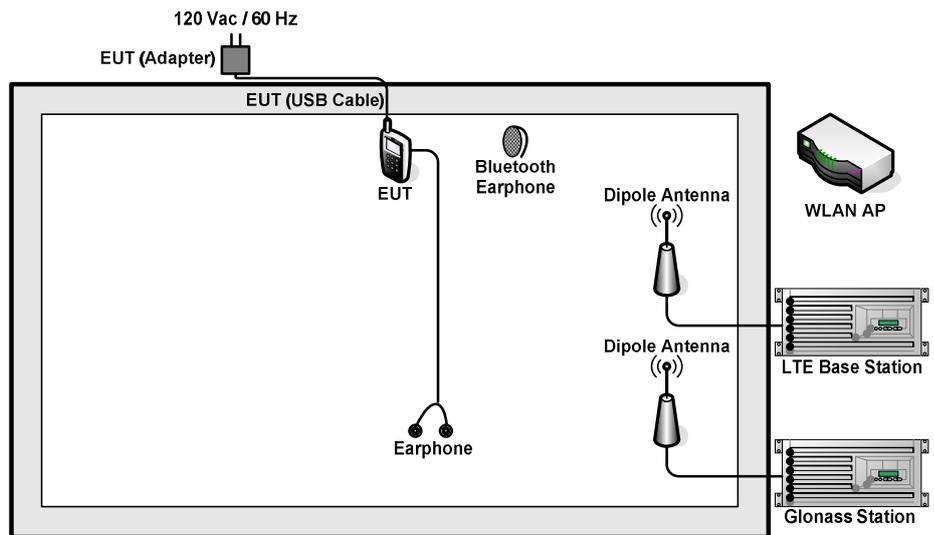
Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
AC Conducted Emission	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera (Rear) <Fig.1>
	Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera (Front) <Fig.1>
	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 <Fig.1>
	Mode 4: LTE Band 2 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Glonass Rx <Fig.2>
	Mode 5: LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <Fig.3>
Radiated Emissions < 1GHz	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera (Rear) <Fig.1>
	Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera (Front) <Fig.1>
	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 <Fig.1>
	Mode 4: LTE Band 2 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Glonass Rx <Fig.2>
	Mode 5: LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <Fig.3>
Radiated Emissions ≥ 1GHz	Mode 1: LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <Fig.3>
Remark:	
<ol style="list-style-type: none"> 1. The worst case of AC is mode 2; and the USB Link mode of AC is mode 5, only the test data of these modes were reported. 2. The worst case of RE < 1G is mode 5; only the test data of this mode was reported. 3. Data Link with Notebook means data application transferred mode between EUT and Notebook. 	

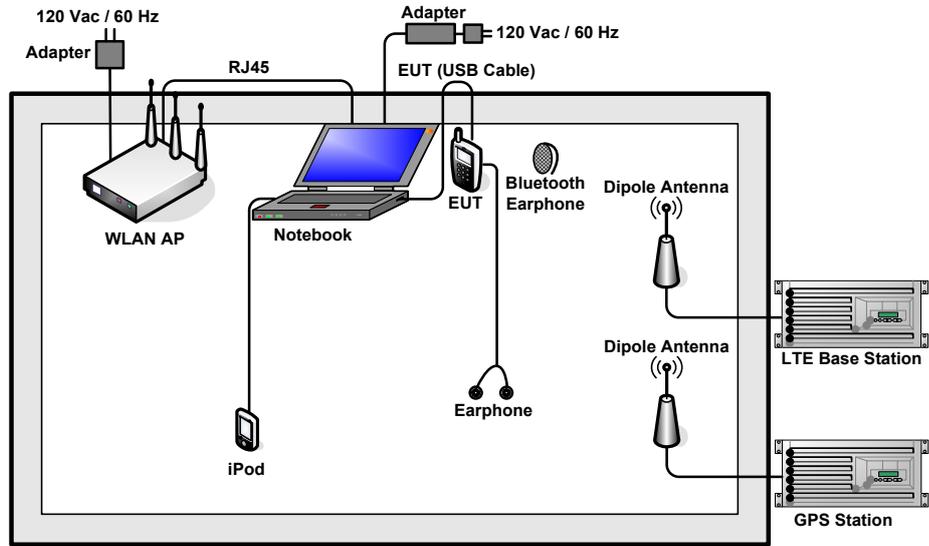
2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>



<Fig.3>

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU200	N/A	N/A	Unshielded, 1.8 m
3.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
4.	Glonass Station	RACELOGIC	RLLS03-2RP	N/A	N/A	Unshielded, 1.8 m
5.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 2.7m with Core
6.	WLAN AP	LINKSYS	WR600N	Q87-WRT600NV11	N/A	Unshielded, 1.2 m
7.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
8.	Bluetooth Earphone	Samsung	HS3000	A3LHS3000	N/A	N/A
9.	Notebook	Lenovo	E540	Fcc DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
10.	Notebook	Lenovo	G480	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
11.	SD Card	Kingston	4GB	N/A	N/A	N/A
12.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A
13.	iPod	Apple	MC525 ZP/A	N/A	Shielded, 1.0m	N/A
14.	Earphone	Lenovo	LH102	N/A	Unshielded, 1.2m	N/A
15.	Earphone	Apple	MC690ZP/A	N/A	Shielded, 1.0m	N/A

2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator’s paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

1. Data application is transferred between Notebook and EUT via USB cable.
2. Turn on GPS/Glonass function to make the EUT receive continuous signals from GPS/Glonass station.
3. Execute “Video player” to play MPEG4 files.
4. Turn on camera to capture images.



3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

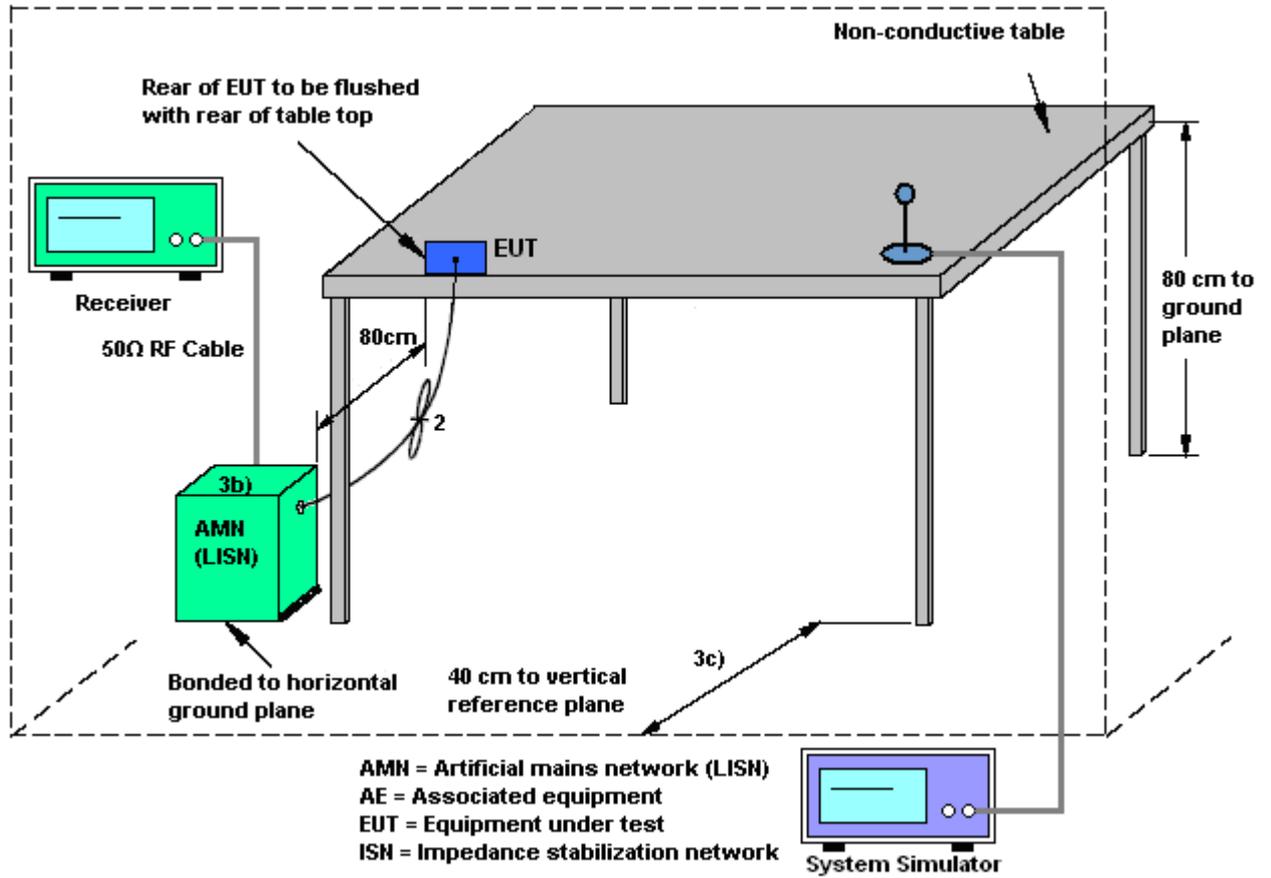
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

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.

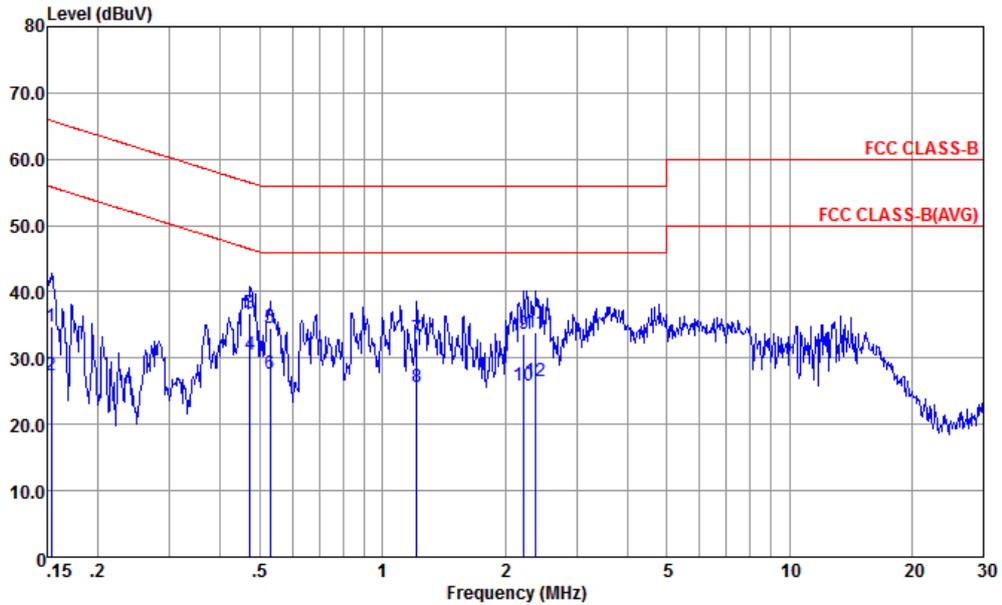
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 2	Temperature :	20~22°C
Test Engineer :	Peter Wei	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera (Front)		

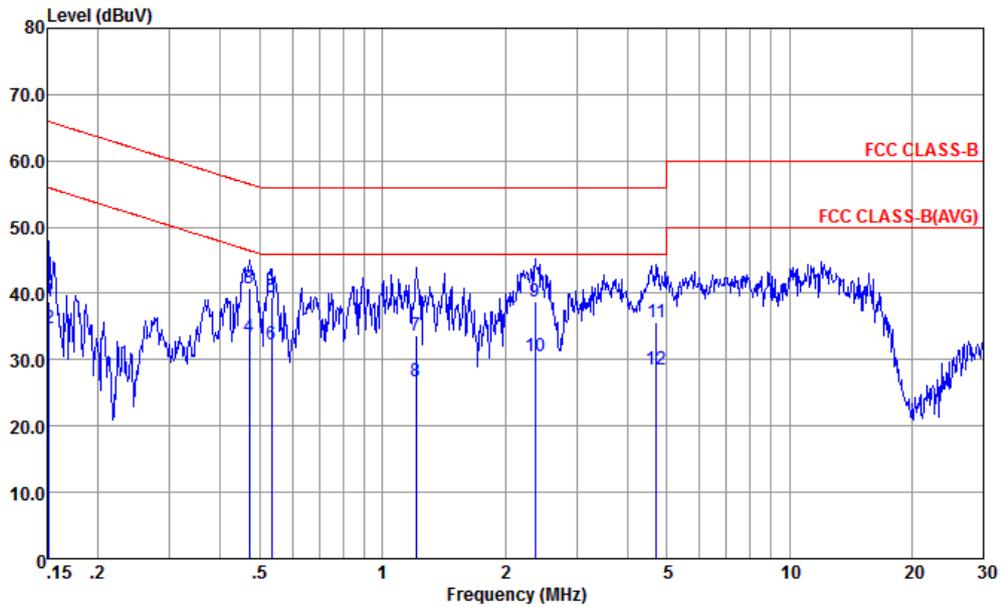


Site : CO01-KS
 Condition : FCC CLASS-B LISN-L-20151024 LINE
 Project : (FC) 6D2901
 mode : Mode 2
 IMEI : 863727030004471
 : #16

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.153	34.70	-31.12	65.82	23.80	0.51	10.39	QP
2	0.153	27.30	-28.52	55.82	16.40	0.51	10.39	Average
3	0.474	36.72	-19.73	56.45	26.30	0.23	10.19	QP
4 *	0.474	30.52	-15.93	46.45	20.10	0.23	10.19	Average
5	0.529	34.52	-21.48	56.00	24.10	0.23	10.19	QP
6	0.529	27.62	-18.38	46.00	17.20	0.23	10.19	Average
7	1.216	32.92	-23.08	56.00	22.50	0.23	10.19	QP
8	1.216	25.62	-20.38	46.00	15.20	0.23	10.19	Average
9	2.225	33.58	-22.42	56.00	23.20	0.18	10.20	QP
10	2.225	25.78	-20.22	46.00	15.40	0.18	10.20	Average
11	2.384	33.78	-22.22	56.00	23.40	0.18	10.20	QP
12	2.384	26.48	-19.52	46.00	16.10	0.18	10.20	Average



Test Mode :	Mode 2	Temperature :	20~22°C
Test Engineer :	Peter Wei	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera (Front)		

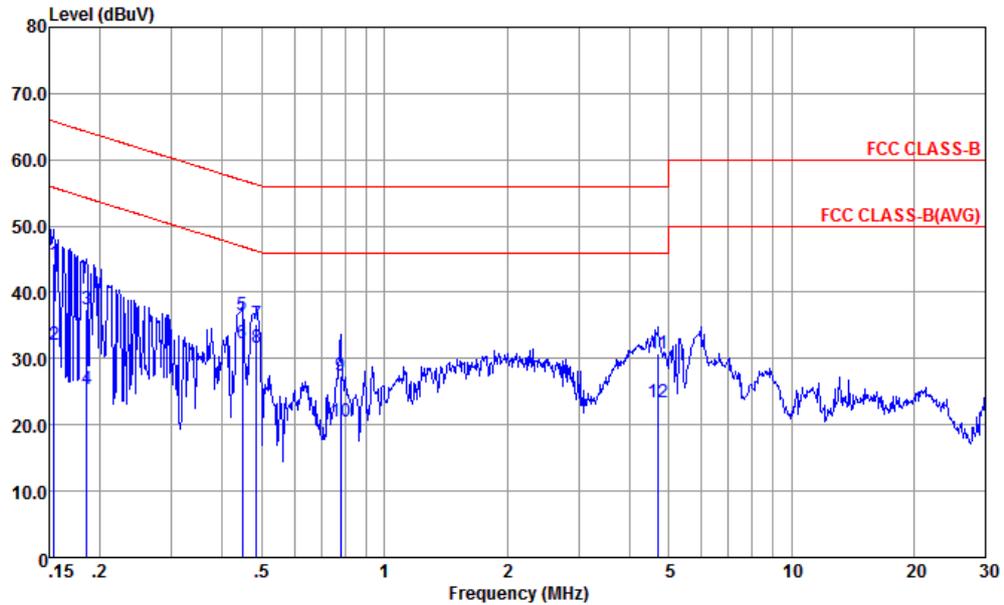


Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-20151024 NEUTRAL
 Project : (FC) 6D2901
 mode : Mode 2
 IMEI : 863727030004471
 : #16

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.152	38.79	-27.12	65.91	28.10	0.30	10.39	QP
2	0.152	34.79	-21.12	55.91	24.10	0.30	10.39	Average
3	0.471	40.71	-15.78	56.49	30.20	0.32	10.19	QP
4 *	0.471	33.41	-13.08	46.49	22.90	0.32	10.19	Average
5	0.535	39.41	-16.59	56.00	28.90	0.32	10.19	QP
6	0.535	32.41	-13.59	46.00	21.90	0.32	10.19	Average
7	1.210	33.66	-22.34	56.00	23.10	0.37	10.19	QP
8	1.210	26.76	-19.24	46.00	16.20	0.37	10.19	Average
9	2.371	38.68	-17.32	56.00	28.10	0.38	10.20	QP
10	2.371	30.48	-15.52	46.00	19.90	0.38	10.20	Average
11	4.721	35.70	-20.30	56.00	25.10	0.36	10.24	QP
12	4.721	28.60	-17.40	46.00	18.00	0.36	10.24	Average



Test Mode :	Mode 5	Temperature :	20~22°C
Test Engineer :	Peter Wei	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		

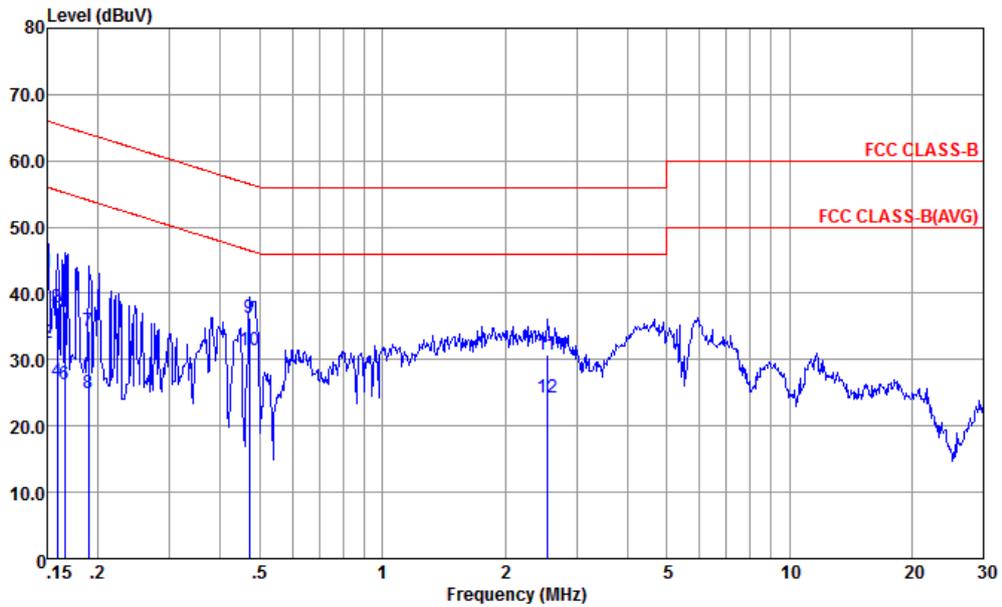


Site : C001-KS
 Condition : FCC CLASS-B LISN-L-20151024 LINE
 Project : (FC) 6D2901
 mode : Mode 5
 IMEI : 863727030004471
 : #16

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.154	44.39	-21.39	65.78	33.50	0.50	10.39	QP
2	0.154	32.09	-23.69	55.78	21.20	0.50	10.39	Average
3	0.185	37.45	-26.79	64.24	26.80	0.30	10.35	QP
4	0.185	25.45	-28.79	54.24	14.80	0.30	10.35	Average
5	0.447	36.52	-20.41	56.93	26.10	0.23	10.19	QP
6	0.447	32.32	-14.61	46.93	21.90	0.23	10.19	Average
7	0.484	35.32	-20.95	56.27	24.90	0.23	10.19	QP
8 *	0.484	31.72	-14.55	46.27	21.30	0.23	10.19	Average
9	0.779	27.52	-28.48	56.00	17.11	0.24	10.17	QP
10	0.779	20.52	-25.48	46.00	10.11	0.24	10.17	Average
11	4.721	30.73	-25.27	56.00	20.30	0.19	10.24	QP
12	4.721	23.33	-22.67	46.00	12.90	0.19	10.24	Average



Test Mode :	Mode 5	Temperature :	20~22°C
Test Engineer :	Peter Wei	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		



Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-20151024 NEUTRAL
 Project : (FC) 6D2901
 mode : Mode 5
 IMEI : 863727030004471
 : #16

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	43.29	-22.71	66.00	32.60	0.30	10.39	QP
2	0.150	32.49	-23.51	56.00	21.80	0.30	10.39	Average
3	0.159	37.98	-27.54	65.52	27.30	0.30	10.38	QP
4	0.159	26.68	-28.84	55.52	16.00	0.30	10.38	Average
5	0.166	37.18	-27.98	65.16	26.51	0.30	10.37	QP
6	0.166	26.38	-28.78	55.16	15.71	0.30	10.37	Average
7	0.189	34.35	-29.71	64.06	23.70	0.31	10.34	QP
8	0.189	25.05	-29.01	54.06	14.40	0.31	10.34	Average
9	0.471	36.41	-20.08	56.49	25.90	0.32	10.19	QP
10 *	0.471	31.51	-14.98	46.49	21.00	0.32	10.19	Average
11	2.540	30.68	-25.32	56.00	20.10	0.37	10.21	QP
12	2.540	24.38	-21.62	46.00	13.80	0.37	10.21	Average

3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.2.2. Measuring Instruments

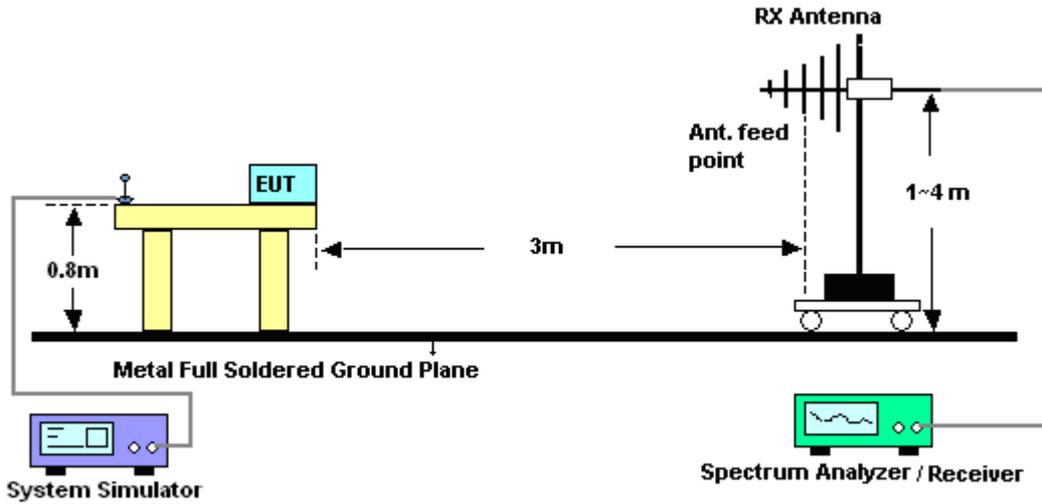
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

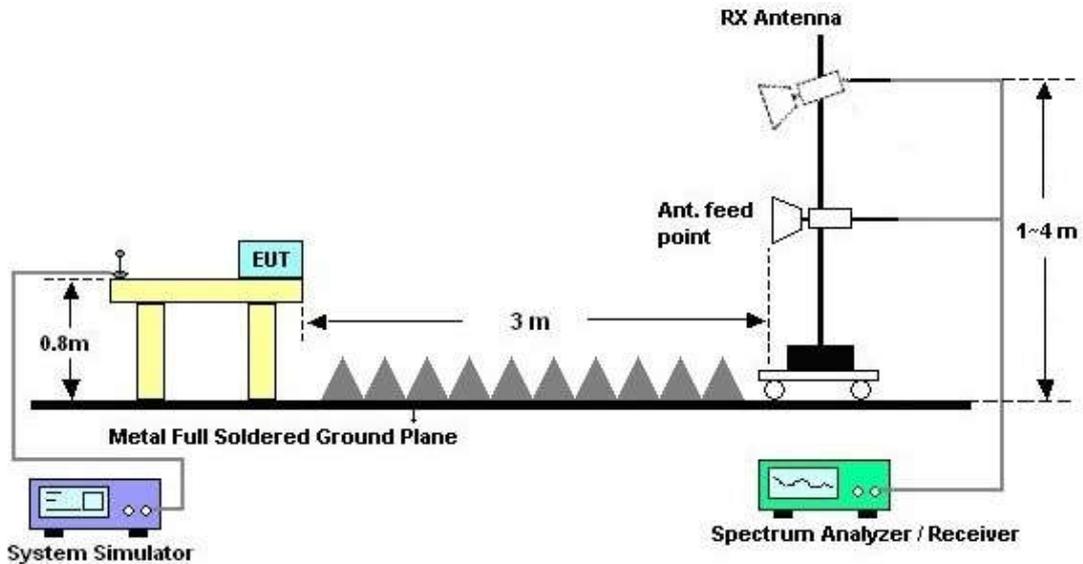
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four 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 and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 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.
8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



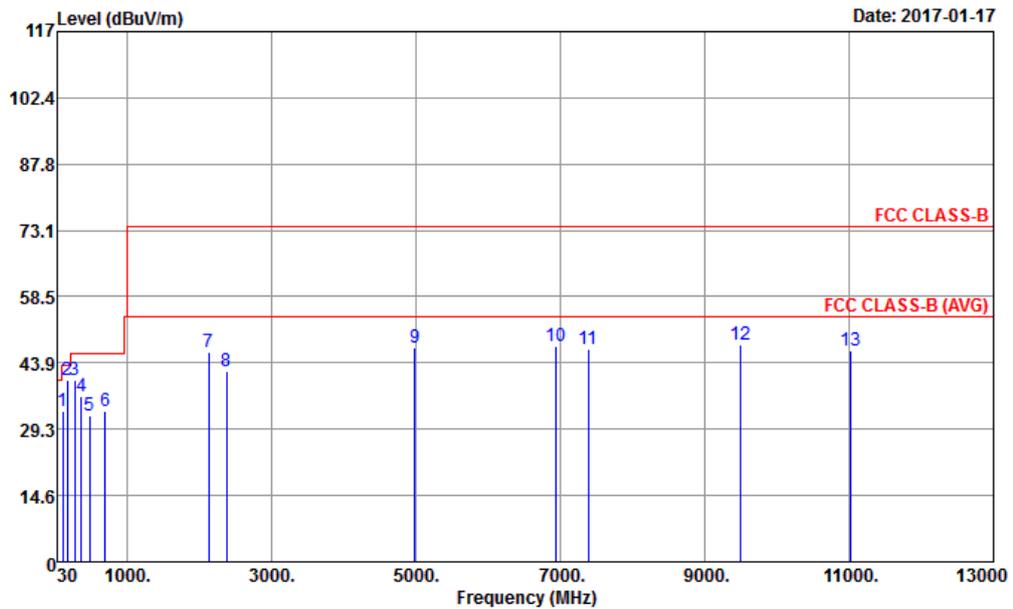
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 5	Temperature :	23~25°C
Test Engineer :	Liangliang Lu	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		
Remark :	#7 is system simulator signal which can be ignored.		

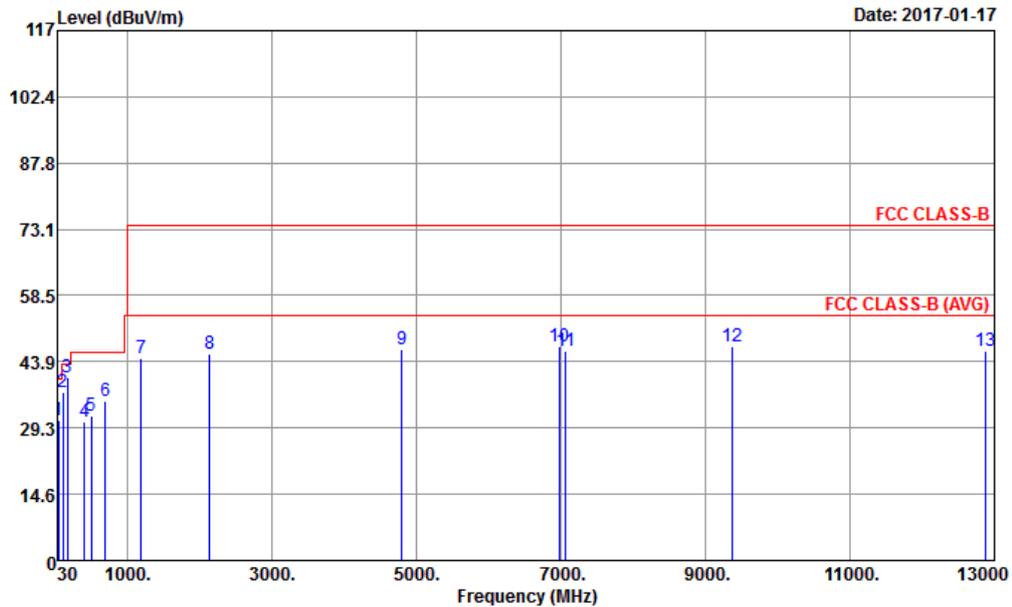


Site : 03CH03-SZ
 Condition : FCC CLASS-B 3m LF35408CBL6112D_6 HORIZONTAL
 Project : (FC) 6D2901
 Mode : Mode 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	104.25	33.33	-10.17	43.50	45.24	18.70	0.99	31.60	---	---	Peak
2	172.56	39.99	-3.51	43.50	53.25	16.81	1.28	31.35	150	40	QP
3	269.49	40.23	-5.77	46.00	51.63	18.43	1.50	31.33	---	---	Peak
4	363.70	36.54	-9.46	46.00	44.26	21.94	1.71	31.37	---	---	Peak
5	479.90	32.37	-13.63	46.00	37.95	23.59	1.99	31.16	---	---	Peak
6	699.70	33.38	-12.62	46.00	34.77	27.65	2.44	31.48	---	---	Peak
7	2132.00	46.13		73.33	73.33	26.78	4.57	58.55	---	---	Peak
8	2380.00	42.08	-31.92	74.00	68.50	27.26	4.86	58.54	---	---	Peak
9	4988.00	47.37	-26.63	74.00	65.65	32.90	7.14	58.32	---	---	Peak
10	6936.00	47.52	-26.48	74.00	60.61	37.38	8.74	59.21	---	---	Peak
11	7382.00	46.98	-27.02	74.00	59.58	37.68	9.15	59.43	---	---	Peak
12	9488.00	48.03	-25.97	74.00	59.38	38.38	10.56	60.29	110	150	Peak
13	11026.00	46.76	-27.24	74.00	55.66	39.79	10.97	59.66	---	---	Peak



Test Mode :	Mode 5	Temperature :	23~25°C
Test Engineer :	Liangliang Lu	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical
Function Type :	LTE Band 4 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		
Remark :	#8 is system simulator signal which can be ignored.		



Site : 03CH03-SZ
 Condition : FCC CLASS-B 3m LF35408CBL6112D_6 VERTICAL
 Project : (FC) 6D2901
 Mode : Mode 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	42.15	31.09	-8.91	40.00	41.41	20.82	0.62	31.76	---	---	Peak
2	104.25	37.27	-6.23	43.50	49.18	18.70	0.99	31.60	---	---	Peak
3	169.59	40.43	-3.07	43.50	53.71	16.94	1.15	31.37	120	50	QP
4	406.40	30.67	-15.33	46.00	34.24	25.85	1.82	31.24	---	---	Peak
5	498.10	32.05	-13.95	46.00	38.39	22.78	2.07	31.19	---	---	Peak
6	699.70	35.36	-10.64	46.00	36.75	27.65	2.44	31.48	---	---	Peak
7	1194.00	44.77	-29.23	74.00	74.61	25.35	3.42	58.61	---	---	Peak
8	2134.00	45.69			72.89	26.78	4.57	58.55	---	---	Peak
9	4798.00	46.74	-27.26	74.00	65.63	32.49	6.96	58.34	---	---	Peak
10	6980.00	47.16	-26.84	74.00	60.11	37.54	8.73	59.22	---	---	Peak
11	7068.00	46.35	-27.65	74.00	59.25	37.61	8.76	59.27	---	---	Peak
12	9372.00	47.25	-26.75	74.00	58.68	38.21	10.53	60.17	100	120	Peak
13	12874.00	46.31	-27.69	74.00	54.50	39.58	11.72	59.49	---	---	Peak



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz	Apr. 29, 2016	Jan. 24, 2017	Apr. 28, 2017	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2016	Jan. 24, 2017	Oct. 12, 2017	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 13, 2016	Jan. 24, 2017	Oct. 12, 2017	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 13, 2016	Jan. 24, 2017	Oct. 12, 2017	Conduction (CO01-KS)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	May 07, 2016	Jan. 17, 2017	May 06, 2017	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz	May 07, 2016	Jan. 17, 2017	May 06, 2017	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	May 21, 2016	Jan. 17, 2017	May 20, 2017	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	May 07, 2016	Jan. 17, 2017	May 06, 2017	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz~3000MHz	Oct. 11, 2016	Jan. 17, 2017	Oct. 10, 2017	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 11, 2016	Jan. 17, 2017	Oct. 10, 2017	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Jan. 17, 2017	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 17, 2017	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 17, 2017	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required



5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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