FCC Test Report

APPLICANT	:	FIH International Co., Ltd.
EQUIPMENT	:	3G mobile phone
BRAND NAME	:	Nokia
MODEL NAME	:	TA-1036
FCC ID	:	2AJOTTA-1036
STANDARD	:	FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION	:	Certification

The product was received on May 26, 2017 and testing was completed on Jul. 03, 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.

James Huang

Prepared by: James Huang / Manager

Jones Tsai

Approved by: Jones Tsai / Manager

Testing Laboratory
2627

Sporton International (KunShan) INC.
No.3-2, Pingxiang Road, Kunshan Development Zone, Jiangsu, China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC752603	Rev. 01	Initial issue of report	Jul. 12, 2017

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 9.29 dB at 2.273 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.73 dB at 479.900 MHz

1. General Description

1.1. Applicant

FIH International Co., Ltd.
No.18, Tongji zhonglu, Beijing Economic&Technological Development Area

1.2. Manufacturer

HMD Global Oy
Karaportti 2 02610 Espoo FINLAND

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	3G mobile phone
Brand Name	Nokia
Model Name	TA-1036
FCC ID	2AJOTTA-1036
EUT supports Radios application	GSM/GPRS/EGPRS(Downlink only)/WCDMA/HSPA Bluetooth V2.1+EDR
IMEI Code	Conduction: 004402970550681 Radiation: 004402970552877
HW Version	0162
SW Version	0.1721.3.11.11
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 II: 1852.4 MHz ~ 1907.6 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 II: 1932.4 MHz ~ 1987.6 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Antenna Type	WWAN : PIFA Antenna Bluetooth : PIFA Antenna FM: External Headset Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE:GMSK /8PSK(Downlink only) WCDMA: BPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : π /4-DQPSK Bluetooth (3Mbps) : 8-DPSK FM

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 Development Zone, Jiangsu, China TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958		
Test Site No.	**Sporton Site No.**		**FCC Registration No.**
	CO01-KS	03CH02-KS	418269

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.

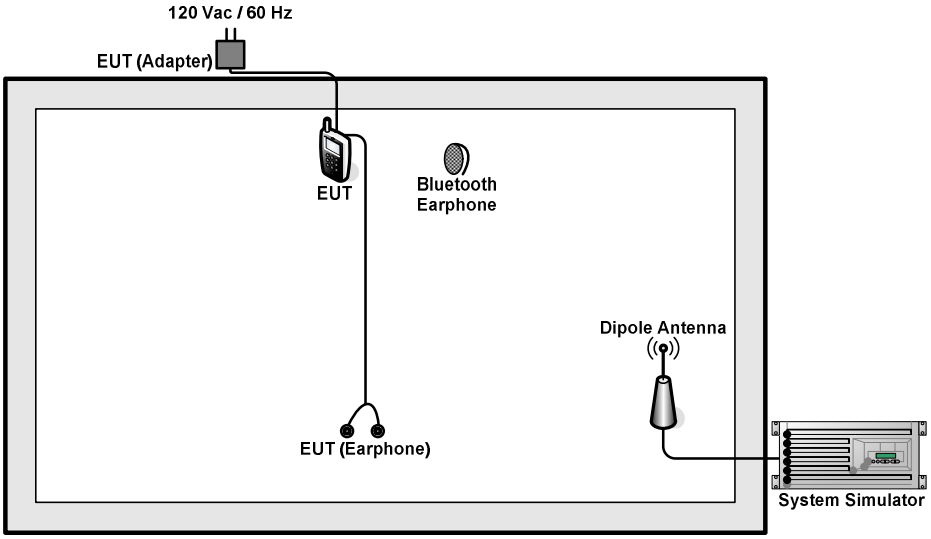
Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
AC Conducted Emission	Mode 1 : GSM 850 Idle + Earphone + Adapter + Bluetooth Idle + Camera <fig.1> Mode 2 : GSM 1900 Idle + Earphone + Adapter + Bluetooth Idle + MPEG4 <fig.1> Mode 3 : WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle<fig.2> Mode 4 : FM Rx + L-Ch:88MHz + Adapter + Earphone <fig.3> Mode 5 : FM Rx + M-Ch:98MHz + Adapter + Earphone <fig.3> Mode 6 : FM Rx + H-Ch:108MHz + Adapter + Earphone <fig.3>
Radiated Emissions < 1GHz	Mode 1 : GSM 850 Idle + Earphone + Adapter + Bluetooth Idle + Camera <fig.1> Mode 2 : GSM 1900 Idle + Earphone + Adapter + Bluetooth Idle + MPEG4 <fig.1> Mode 3 : WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle<fig.2> Mode 4 : FM Rx + L-Ch:88MHz + Adapter + Earphone <fig.3> Mode 5 : FM Rx + M-Ch:98MHz + Adapter + Earphone<fig.3> Mode 6 : FM Rx + H-Ch:108MHz + Adapter + Earphone <fig.3>
Radiated Emissions ≥ 1GHz	Mode 1 : WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle<fig.2>

Remark:

1. The worst case of AC is mode 2, and the USB link mode is mode 3, the test data of this two modes were reported
2. The worst case of RE < 1G is mode 3; 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



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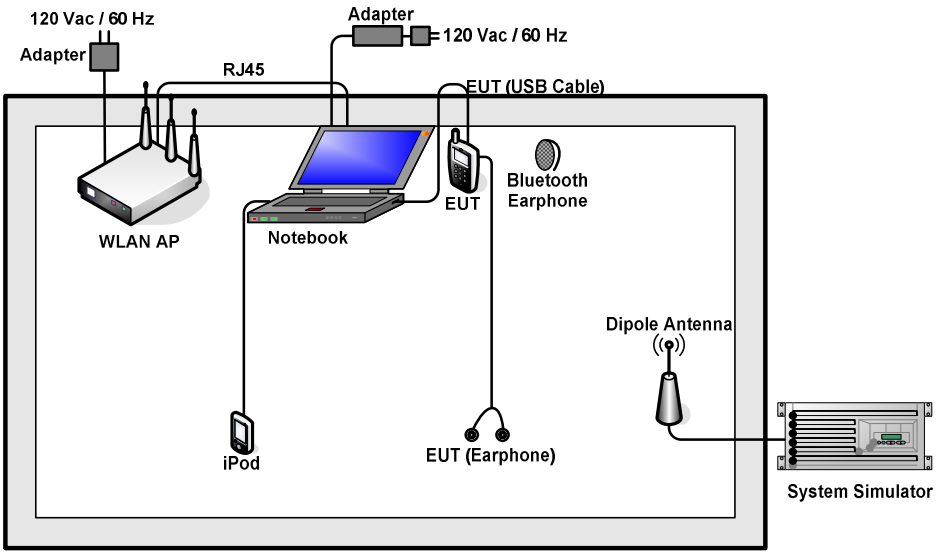

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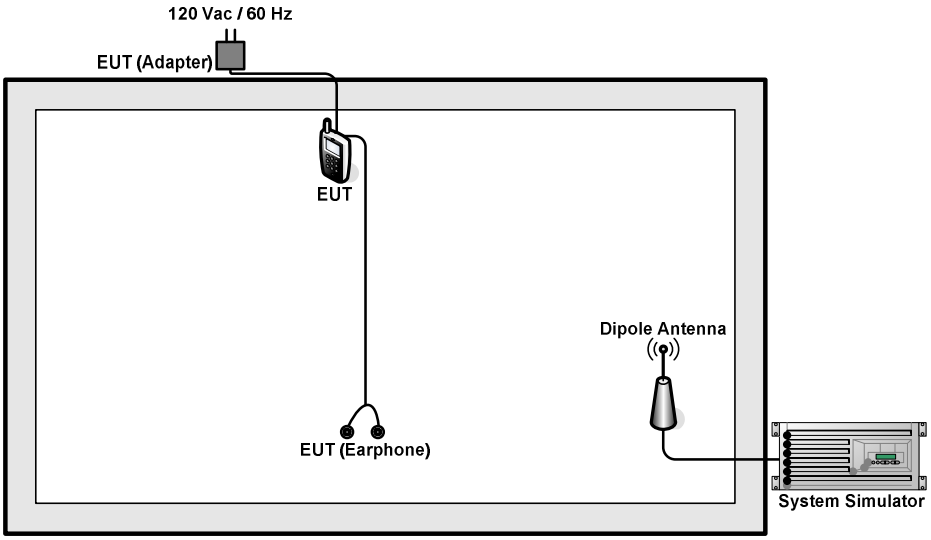

120 Vac / 60 Hz
EUT (Adapter)
EUT
Dipole Antenna
EUT (Earphone)
System Simulator

<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.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
3.	WLAN AP	LINKSYS	WRT600N	Q87-WRT600NV11	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Lenovo	LBH301	N/A	N/A	N/A
5.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
6.	Notebook	Dell	Latitude3440	NA	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	Notebook	Lenovo	G480	PRC4	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	iPod	Apple	A1199	FCC DoC	N/A	Unshielded, 1.2 m
9.	SD Card	SanDisk	Uitra	N/A	N/A	N/A
10.	SD Card	Kingston	8GB	N/A	N/A	N/A

2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA 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, 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. Execute "Windows Media Player" to play MPEG4 files.
3. Turn on camera to capture images.
4. Execute System Simulator to keep EUT receiving signals continuously in FM Rx mode.

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.

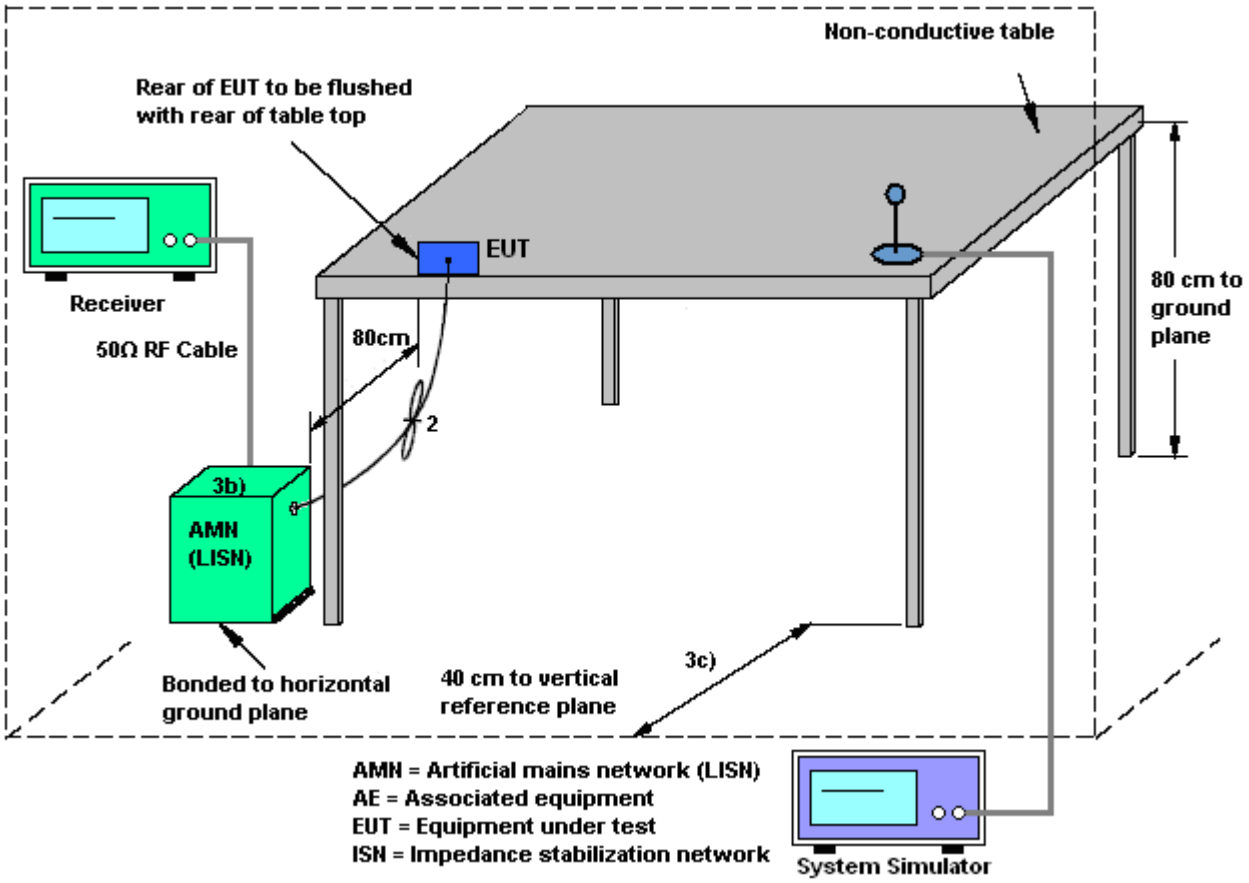
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

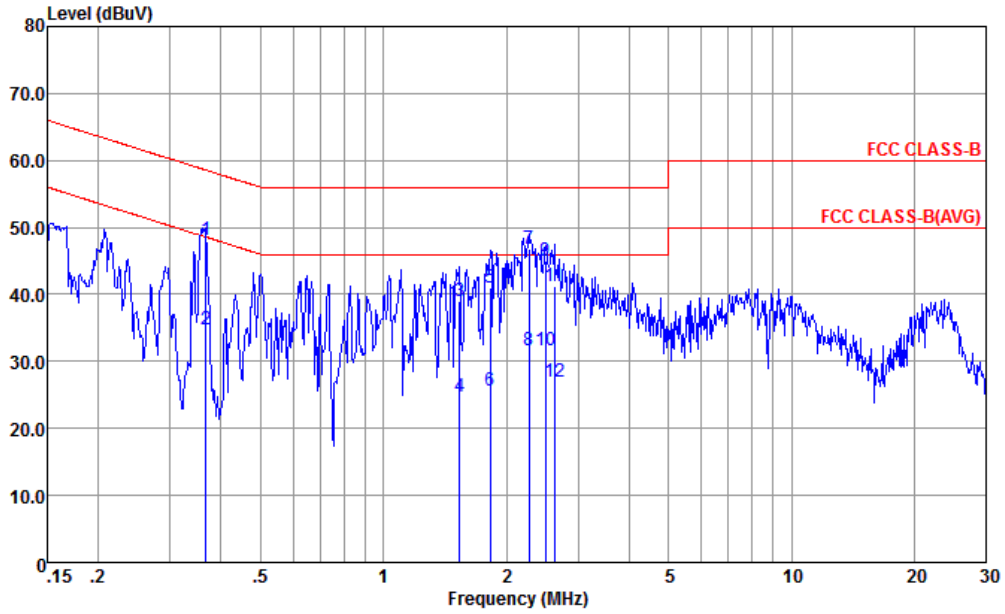
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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

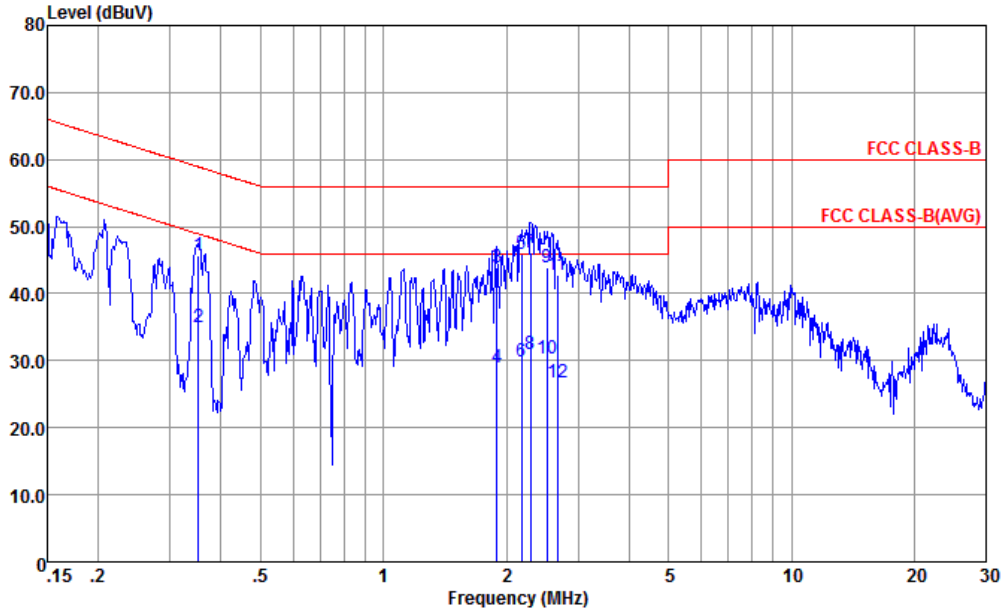
Test Mode :	Mode 2	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~46%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM 1900 Idle + Earphone + Adapter + Bluetooth Idle + MPEG4		



Site : CO01-KS
Condition : FCC CLASS-B LISN-L-161017-060103 LINE
Project : (FC) 752603
mode : Mode 2
: 004402970550681 #1

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.367	48.09	-10.47	58.56	37.60	0.27	10.22	QP
2	0.367	34.79	-13.77	48.56	24.30	0.27	10.22	Average
3	1.535	39.02	-16.98	56.00	28.60	0.23	10.19	QP
4	1.535	24.72	-21.28	46.00	14.30	0.23	10.19	Average
5	1.829	41.00	-15.00	56.00	30.59	0.22	10.19	QP
6	1.829	25.70	-20.30	46.00	15.29	0.22	10.19	Average
7 *	2.273	46.71	-9.29	56.00	36.30	0.21	10.20	QP
8	2.273	31.71	-14.29	46.00	21.30	0.21	10.20	Average
9	2.500	45.01	-10.99	56.00	34.60	0.21	10.20	QP
10	2.500	31.71	-14.29	46.00	21.30	0.21	10.20	Average
11	2.622	41.22	-14.78	56.00	30.80	0.21	10.21	QP
12	2.622	27.02	-18.98	46.00	16.60	0.21	10.21	Average

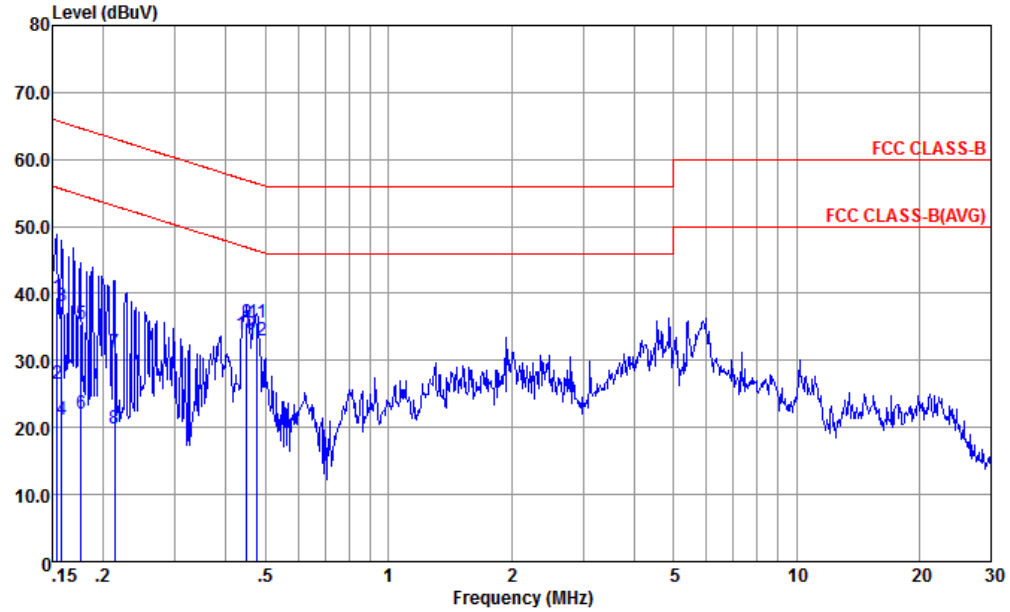
Test Mode :	Mode 2	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~46%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM 1900 Idle + Earphone + Adapter + Bluetooth Idle + MPEG4		



Site : CO01-KS
Condition : FCC CLASS-B LISN-N-161017-060103 NEUTRAL
Project : (FC) 752603
mode : Mode 2
: 004402970550681 #1

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.352	45.78	-13.13	58.91	35.20	0.36	10.22	QP
2		0.352	34.88	-14.03	48.91	24.30	0.36	10.22	Average
3		1.898	43.80	-12.20	56.00	33.20	0.41	10.19	QP
4		1.898	28.90	-17.10	46.00	18.30	0.41	10.19	Average
5		2.178	45.80	-10.20	56.00	35.20	0.41	10.19	QP
6		2.178	29.80	-16.20	46.00	19.20	0.41	10.19	Average
7	*	2.297	46.20	-9.80	56.00	35.59	0.41	10.20	QP
8		2.297	30.90	-15.10	46.00	20.29	0.41	10.20	Average
9		2.513	43.91	-12.09	56.00	33.31	0.40	10.20	QP
10		2.513	30.21	-15.79	46.00	19.61	0.40	10.20	Average
11		2.664	42.81	-13.19	56.00	32.20	0.40	10.21	QP
12		2.664	26.81	-19.19	46.00	16.20	0.40	10.21	Average

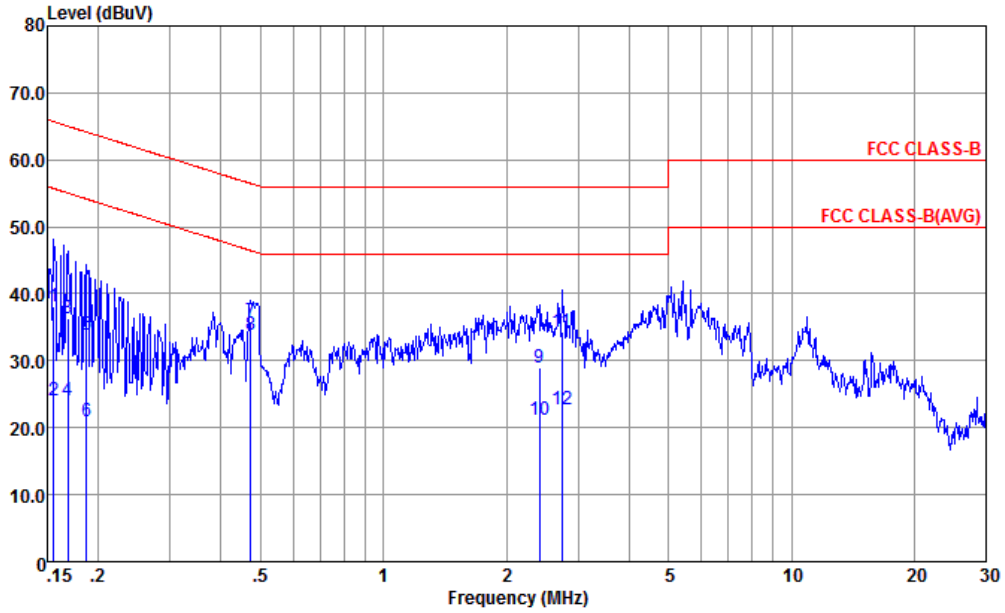
Test Mode :	Mode 3	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~46%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle		



Site : CO01-KS
Condition : FCC CLASS-B LISN-L-161017-060103 LINE
Project : (FC) 752603
mode : Mode 3
: 004402970550681 #1

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.154	39.51	-26.27	65.78	28.59	0.53	10.39	QP
2	0.154	26.51	-29.27	55.78	15.59	0.53	10.39	Average
3	0.158	38.09	-27.47	65.56	27.21	0.50	10.38	QP
4	0.158	21.19	-34.37	55.56	10.31	0.50	10.38	Average
5	0.177	35.35	-29.29	64.64	24.60	0.39	10.36	QP
6	0.177	22.05	-32.59	54.64	11.30	0.39	10.36	Average
7	0.213	31.19	-31.91	63.10	20.60	0.27	10.32	QP
8	0.213	19.89	-33.21	53.10	9.30	0.27	10.32	Average
9	0.449	35.66	-21.23	56.89	25.20	0.27	10.19	QP
10 *	0.449	33.76	-13.13	46.89	23.30	0.27	10.19	Average
11	0.476	35.66	-20.75	56.41	25.20	0.27	10.19	QP
12	0.476	33.06	-13.35	46.41	22.60	0.27	10.19	Average

Test Mode :	Mode 3	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~46%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle		



Site : CO01-KS
Condition : FCC CLASS-B LISN-N-161017-060103 NEUTRAL
Project : (FC) 752603
mode : Mode 3
: 004402970550681 #1

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.156	38.03	-27.66	65.69	27.30	0.34	10.39	QP
2	0.156	24.03	-31.66	55.69	13.30	0.34	10.39	Average
3	0.169	36.31	-28.72	65.03	25.60	0.34	10.37	QP
4	0.169	24.01	-31.02	55.03	13.30	0.34	10.37	Average
5	0.187	33.98	-30.17	64.15	23.30	0.33	10.35	QP
6	0.187	20.98	-33.17	54.15	10.30	0.33	10.35	Average
7	0.474	35.77	-20.68	56.45	25.20	0.38	10.19	QP
8 *	0.474	33.87	-12.58	46.45	23.30	0.38	10.19	Average
9	2.409	28.91	-27.09	56.00	18.31	0.40	10.20	QP
10	2.409	21.11	-24.89	46.00	10.51	0.40	10.20	Average
11	2.736	34.21	-21.79	56.00	23.60	0.40	10.21	QP
12	2.736	22.81	-23.19	46.00	12.20	0.40	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

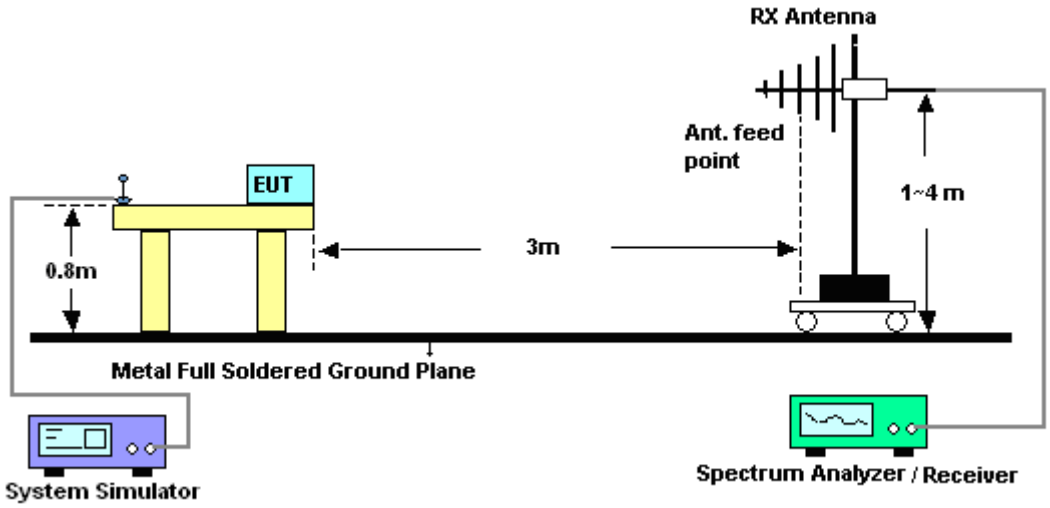
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

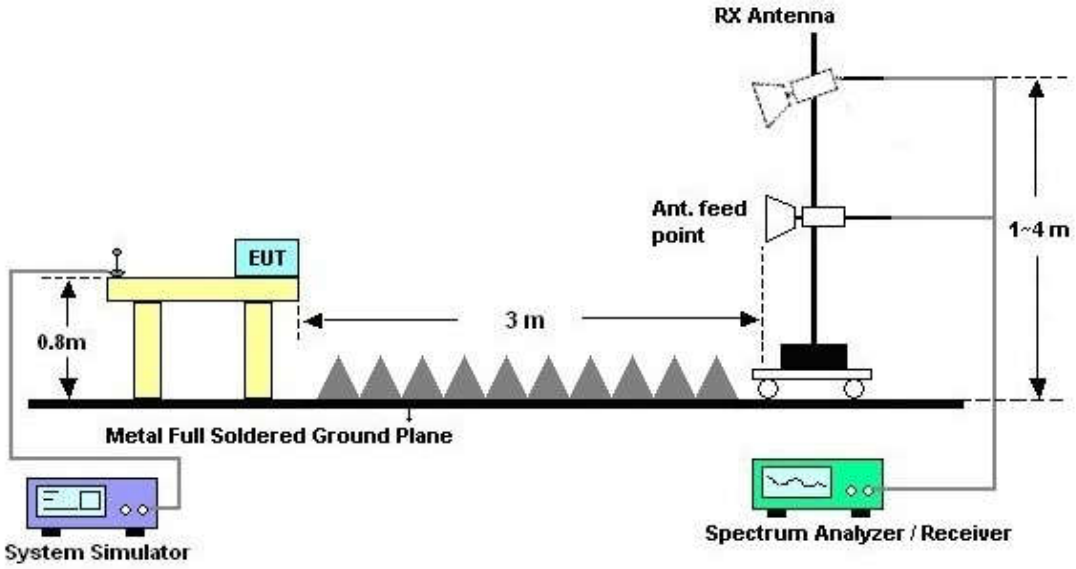
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 (dBμV/m) = 20 log Emission level (μV/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

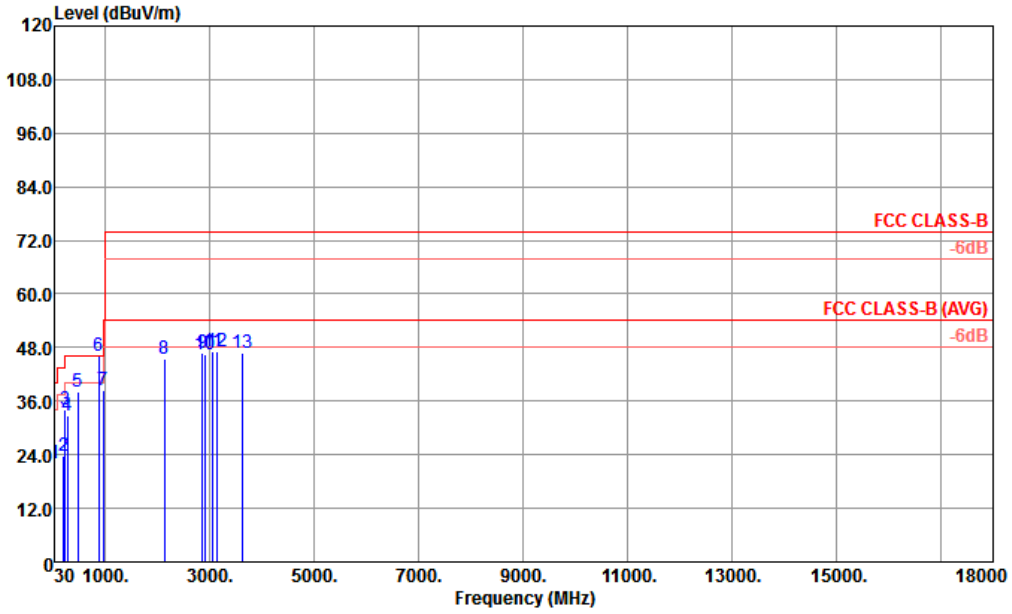


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

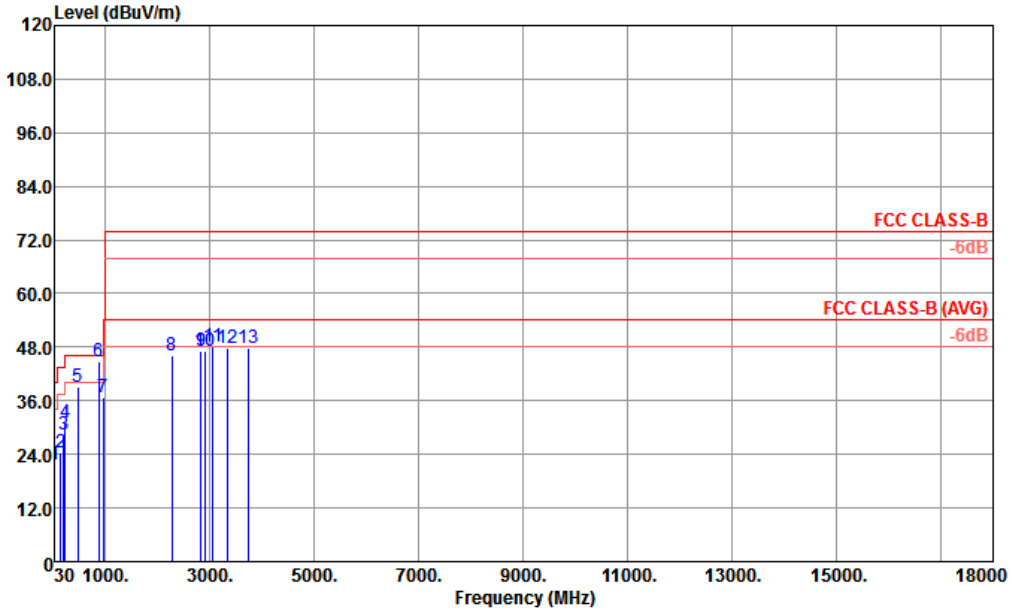
Test Mode :	Mode 3	**Temperature :**	21~22°C
Test Engineer :	Jason Peng	**Relative Humidity :**	41~42%
Test Distance :	3m	**Polarization :**	Horizontal
Function Type :	WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle		
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH02-KS
Condition : FCC CLASS-B 3m 02 LF ANT HORIZONTAL
Project : (FC) 752603
Mode : 3
IMEI : 004402970552877 #4

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		33.24	21.99	-18.01	40.00	29.09	24.87	0.11	32.08	---	---	Peak
2		210.09	23.66	-19.84	43.50	38.82	16.01	0.43	31.60	---	---	Peak
3		240.06	34.17	-11.83	46.00	48.47	16.69	0.49	31.48	---	---	Peak
4		284.07	32.67	-13.33	46.00	45.58	17.78	0.56	31.25	---	---	Peak
5		479.90	38.16	-7.84	46.00	43.84	23.62	0.92	30.22	---	---	Peak
6	*	881.70	46.14			44.81	27.35	1.59	27.61	---	---	Peak
7		959.90	38.50	-7.50	46.00	35.08	28.70	1.75	27.03	100	0	Peak
8		2140.00	45.57	-28.43	74.00	42.89	30.60	5.50	33.42	---	---	Peak
9		2864.00	46.68	-27.32	74.00	41.73	32.00	2.85	29.90	---	---	Peak
10		2914.00	46.55	-27.45	74.00	40.92	32.15	2.95	29.47	---	---	Peak
11		3060.00	47.03	-26.97	74.00	39.88	32.59	4.11	29.55	---	---	Peak
12		3150.00	47.21	-26.79	74.00	39.48	32.91	5.08	30.26	---	---	Peak
13		3618.00	46.85	-27.15	74.00	37.10	33.71	6.14	30.10	---	---	Peak

Test Mode :	Mode 3	Temperature :	21~22℃
Test Engineer :	Jason Peng	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Function Type :	WCDMA Band V Idle + USB Cable(Data Link with Notebook) + Earphone + Bluetooth Idle		
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH02-KS
Condition : FCC CLASS-B 3m 02 LF ANT VERTICAL
Project : (FC) 752603
Mode : 3
IMEI : 004402970552877 #4

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.81	21.68	-18.32	40.00	28.05	25.60	0.11	32.08	---	---	Peak
2	153.12	24.28	-19.22	43.50	38.31	17.43	0.33	31.79	---	---	Peak
3	210.09	28.46	-15.04	43.50	43.62	16.01	0.43	31.60	---	---	Peak
4	240.06	31.21	-14.79	46.00	45.51	16.69	0.49	31.48	---	---	Peak
5	479.90	39.27	-6.73	46.00	44.95	23.62	0.92	30.22	100	0	Peak
6 !	881.00	44.80			43.49	27.35	1.58	27.62	---	---	Peak
7	959.90	36.86	-9.14	46.00	33.44	28.70	1.75	27.03	---	---	Peak
8	2286.00	46.03	-27.97	74.00	41.96	30.98	5.70	32.61	---	---	Peak
9	2840.00	47.06	-26.94	74.00	42.47	31.90	2.81	30.12	---	---	Peak
10	2902.00	47.16	-26.84	74.00	41.58	32.10	2.95	29.47	---	---	Peak
11	3069.00	48.26	-25.74	74.00	41.05	32.65	4.11	29.55	---	---	Peak
12	3351.00	47.66	-26.34	74.00	38.87	33.20	5.96	30.37	---	---	Peak
13	3735.00	47.86	-26.14	74.00	37.10	34.49	6.39	30.12	---	---	Peak

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 20, 2017	Jun. 25, 2017	Apr. 19, 2018	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2016	Jun. 25, 2017	Oct. 12, 2017	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 13, 2016	Jun. 25, 2017	Oct. 12, 2017	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 13, 2016	Jun. 25, 2017	Oct. 12, 2017	Conduction (CO01-KS)
RF Cable	WOKEN	Y5T	00100N1Q3N1	150kHz~30MHz	Aug. 26, 2016	Jun. 25, 2017	Aug. 25, 2017	Conduction (CO01-KS)
Transient limiter	COM-POWER	LIT-153	531035	150kHz~30MHz	Aug. 26, 2016	Jun. 25, 2017	Aug. 25, 2017	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Aug. 09, 2016	Jul. 03, 2017	Aug. 08, 2017	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz-44G,MAX 30dB	Apr. 18, 2017	Jul. 03, 2017	Apr. 17, 2018	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30MHz-2GHz	Aug. 20, 2016	Jul. 03, 2017	Aug. 19, 2017	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 22, 2016	Jul. 03, 2017	Oct. 21, 2017	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 09, 2016	Jul. 03, 2017	Aug. 08, 2017	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1-26.5GHz Gain 30dB	Oct. 13, 2016	Jul. 03, 2017	Oct. 12, 2017	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Jul. 03, 2017	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Jul. 03, 2017	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Jul. 03, 2017	NCR	Radiation (03CH02-KS)

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

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2 dB

Uncertainty of Radiated Emission Measurement (1000MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.7 dB