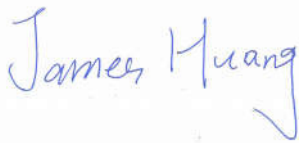


Variant FCC Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : LTE/WCDMA/GSM (GPRS) Multi-Mode Digital
Mobile Phone
BRAND NAME : ZTE
MODEL NAME : Z988
FCC ID : SRQ-Z988
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

This is a variant report which is only valid together with the original test report. The product was received on Oct. 25, 2016 and testing was completed on Nov. 01, 2016. 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.



Prepared by: James Huang / Manager



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL (KUNSHAN) INC.
No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC5O2302-02	Rev. 01	This is a variant report for Z988. The product equality declaration could be referred to Appendix B. Based on the similarity between two models, only the worst cases from original test report (Sporton Report Number FC5O2302) were verified for the differences.	Dec. 06, 2016

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 12.60 dB at 0.158 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.68 dB at 165.270 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	Z988
FCC ID	SRQ-Z988
EUT supports Radios application	GSM/GPRS/EGPRS/ WCDMA/HSPA/HSPA+(16QAM uplink is not supported)/LTE WLAN2.4GHz 802.11b/g/n HT20 WLAN5GHz 802.11a/n HT20 WLAN5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth v2.1+EDR/Bluetooth v4.1 LE
IMEI Code	Conduction: 868962021291929/868962021291902 Radiation: 868962021291929/868962021291902
HW Version	Z988HWV1.0
SW Version	Z988V1.0.0B01
EUT Stage	Production Unit

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 subjective to this standard

Product Specification subjective to this standard	
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 LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz 802.11b/g/n : 2412 MHz ~ 2462 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz; 5745 MHz ~ 5825 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 LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz;5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS : 1.57542 GHz Glonass: 1602 MHz + $n \times 0.5625\text{MHz}$ ($n=-7,-6,-5,...,0,...,6$)
Antenna Type	WWAN : IFA Antenna WLAN : IFA Antenna Bluetooth : IFA Antenna GPS/Glonass : IFA Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EGPRS : GMSK/8PSK WCDMA: BPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) HSPA+:16QAM (16QAM uplink is not supported) 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11a/g/n/ac : OFDM (BPSK / QPSK / 16QAM / 64QAM /256QAM) 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.		FCC Registration No.
	CO01-KS	03CH02-KS	418269

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).

The following tables are showing the test modes as the worst cases and recorded in this report.

Item	EUT Configuration	Test Condition	
		EMI AC	EMI RE
1.	Charging Mode (EUT with adapter)	☒	Note 1
2.	Data application transferred mode (EUT connected with notebook)	☒	☒

Abbreviations:

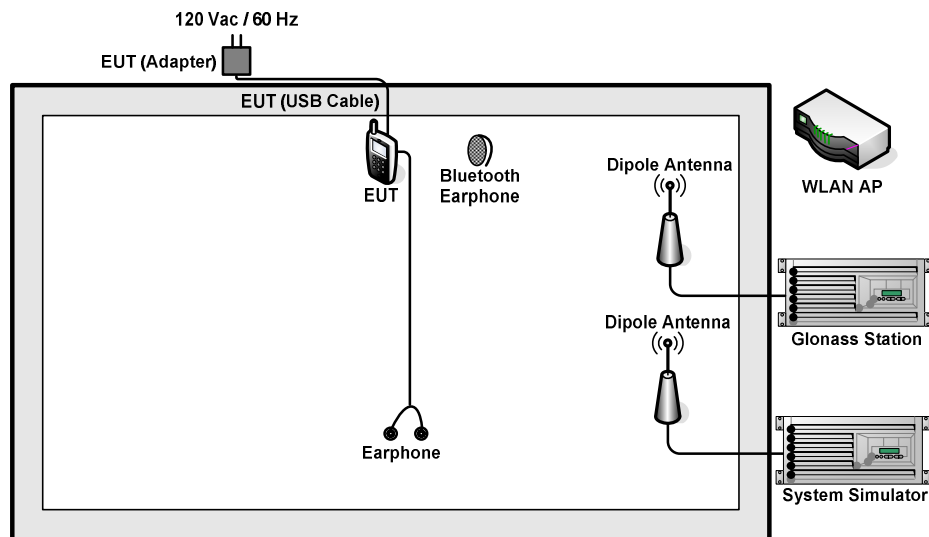
- EMI AC: AC conducted emissions
- EMI RE: EUT radiated emissions

Note 1: Testing for this mode is not required or not the worst case.

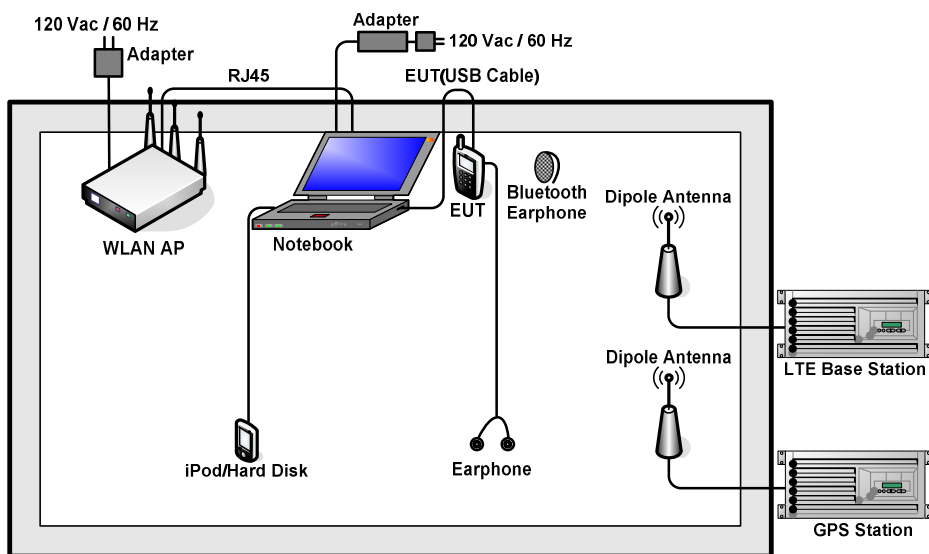
Remark: For signal above 1GHz, the worst case was test item 2.

Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1/2	Mode 1 : WCDMA Band II Idle + Bluetooth Idle + WLAN(5G) Idle + USB Cable (Charging from Adapter) + Earphone + Glonass Rx<Fig.1> Mode 2 : LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable(Data Link with Notebook) + GPS Rx <Fig.2>
Radiated Emissions	2	Mode 1 : LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable(Data Link with Notebook) + GPS Rx <Fig.2>
Remark: 1. The worst case of AC is mode 1; and the USB Link mode of AC is mode 2; the test data of these modes were reported. 2. The worst case of RE < 1G is mode 1; 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>

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.	LTE Base Station	Anritsu	MT8820C	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	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
6.	WLAN AP	LINKSYS	WRT600N	Q87-WRT600NV11	N/A	Unshielded, 1.8 m
7.	Notebook	Lenovo	G480	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
8.	Notebook	Dell	Latitude 3440	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
9.	iPod	Apple	A1199	FCC DoC	Unshielded, 1.2 m	N/A
10.	Hard Disk	Lenovo	F310	FCC DoC	Shielded, 0.5 m	N/A
11.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
12.	Bluetooth Earphone	Lenovo	LBH301	N/A	N/A	N/A
13.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.2 m	N/A
14.	Earphone	Lenovo	LH102	N/A	N/A	Unshielded, 1.2 m
15.	SD Card	Kingston	SD4 8GB	N/A	N/A	N/A
16.	SD Card	Kingston	4GB	N/A	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in 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. Execute "GPS Test" to make the EUT receive continuous signals from GPS/Glonass station.

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.

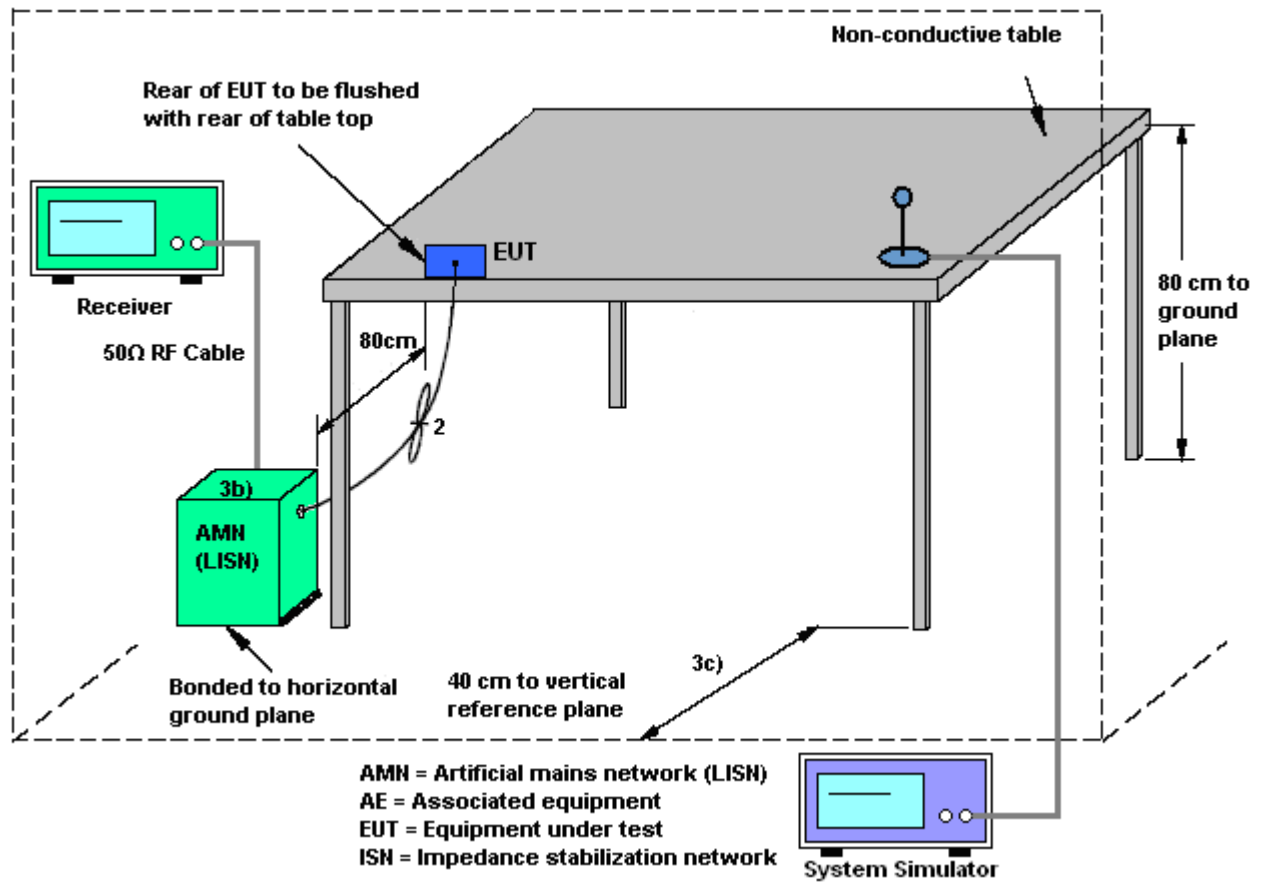
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

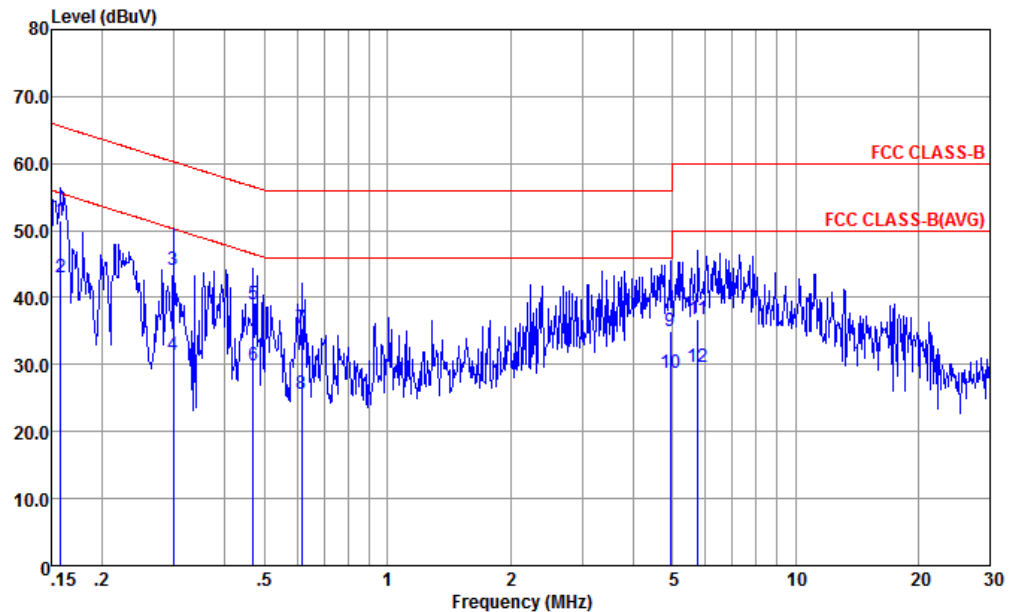
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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 1	Temperature :	20~22℃
Test Engineer :	Morris Li	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WCDMA Band II Idle + Bluetooth Idle + WLAN(5G) Idle + USB Cable (Charging from Adapter) + Earphone + Glonass Rx		

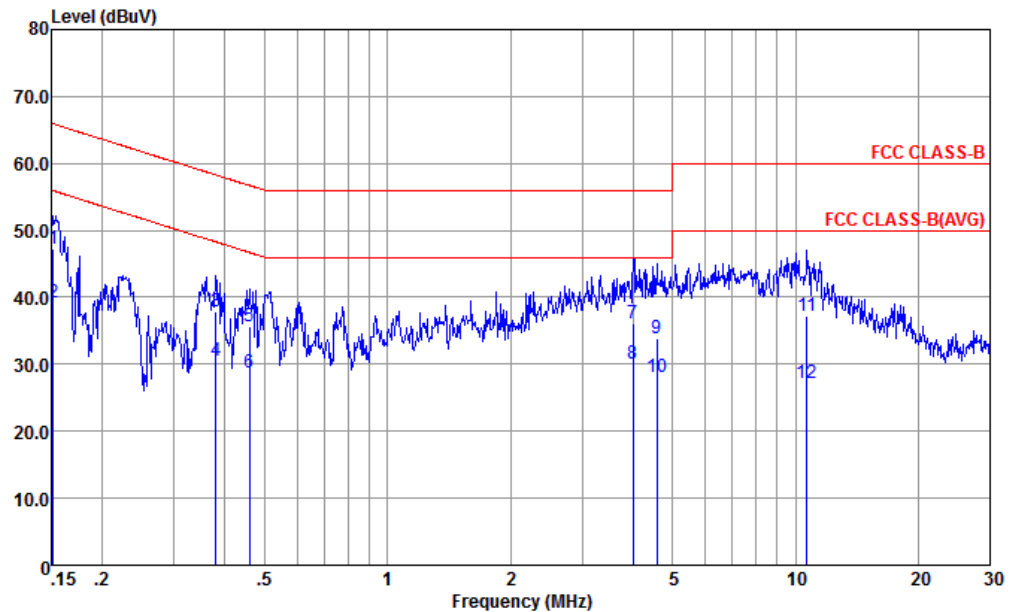


Site : CO01-KS
 Condition : FCC CLASS-B LISN-L-20151024 LINE
 Project : (FC) 502302-02
 mode : Mode 1
 IMEI : 868962021291929/02

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.158	51.46	-14.10	65.56	40.60	0.48	10.38	QP
2 *	0.158	42.96	-12.60	55.56	32.10	0.48	10.38	Average
3	0.299	44.08	-16.20	60.28	33.60	0.22	10.26	QP
4	0.299	31.38	-18.90	50.28	20.90	0.22	10.26	Average
5	0.469	38.92	-17.62	56.54	28.50	0.23	10.19	QP
6	0.469	29.92	-16.62	46.54	19.50	0.23	10.19	Average
7	0.617	35.52	-20.48	56.00	25.10	0.24	10.18	QP
8	0.617	25.62	-20.38	46.00	15.20	0.24	10.18	Average
9	4.926	34.93	-21.07	56.00	24.50	0.19	10.24	QP
10	4.926	28.83	-17.17	46.00	18.40	0.19	10.24	Average
11	5.774	36.76	-23.24	60.00	26.29	0.21	10.26	QP
12	5.774	29.66	-20.34	50.00	19.19	0.21	10.26	Average



Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Morris Li	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WCDMA Band II Idle + Bluetooth Idle + WLAN(5G) Idle + USB Cable (Charging from Adapter) + Earphone + Glonass Rx		

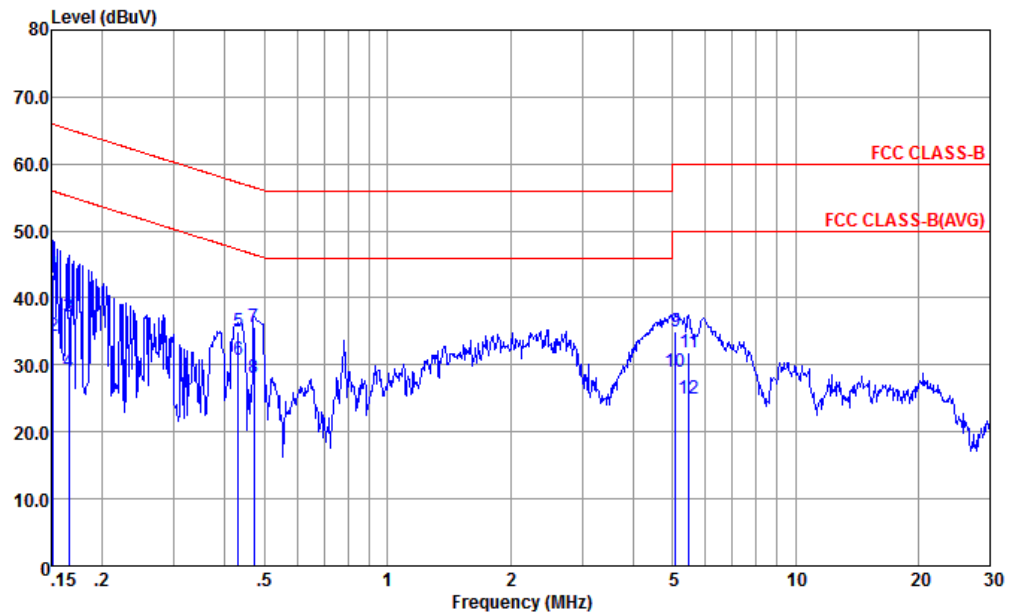


Site : CO01-KS
Condition : FCC CLASS-B LISN-N-20151024 NEUTRAL
Project : (FC) 502302-02
mode : Mode 1
IMEI : 868962021291929/02

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.152	47.19	-18.72	65.91	36.50	0.30	10.39	QP
2	0.152	39.19	-16.72	55.91	28.50	0.30	10.39	Average
3	0.379	37.83	-20.47	58.30	27.30	0.32	10.21	QP
4	0.379	30.63	-17.67	48.30	20.10	0.32	10.21	Average
5	0.459	35.71	-21.00	56.71	25.20	0.32	10.19	QP
6	0.459	28.71	-18.00	46.71	18.20	0.32	10.19	Average
7	4.006	36.20	-19.80	56.00	25.60	0.36	10.24	QP
8 *	4.006	30.10	-15.90	46.00	19.50	0.36	10.24	Average
9	4.574	33.80	-22.20	56.00	23.20	0.36	10.24	QP
10	4.574	28.10	-17.90	46.00	17.50	0.36	10.24	Average
11	10.676	37.13	-22.87	60.00	26.49	0.28	10.36	QP
12	10.676	27.13	-22.87	50.00	16.49	0.28	10.36	Average



Test Mode :	Mode 2	Temperature :	20~22℃
Test Engineer :	Morris Li	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable(Data Link with Notebook) + GPS Rx		

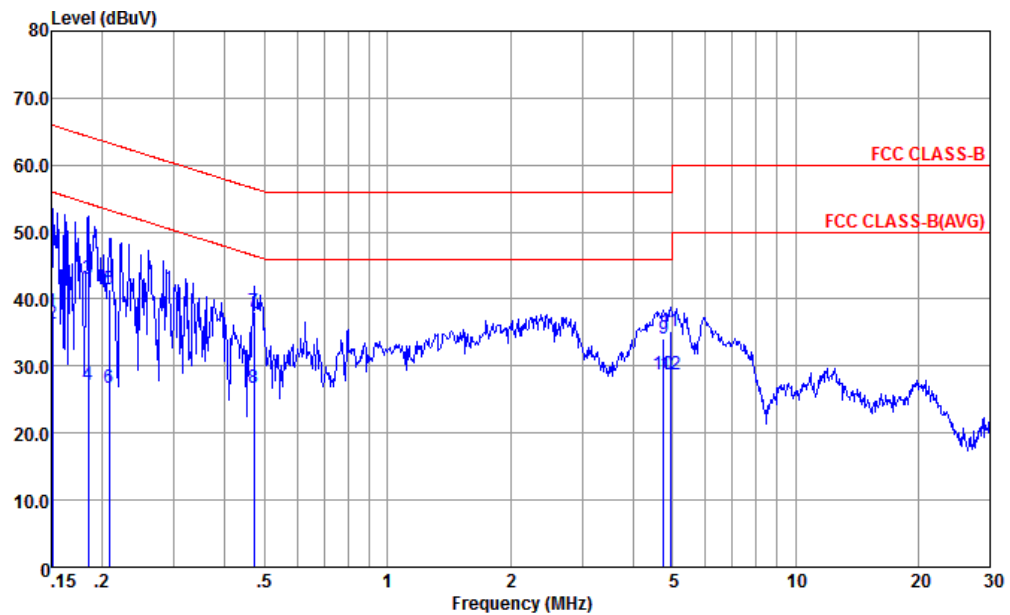


Site : CO01-KS
Condition : FCC CLASS-B LISN-L-20151024 LINE
Project : (FC) 502302-02
mode : Mode 2
IMEI : 868962021291929/02

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.152	43.41	-22.50	65.91	32.50	0.52	10.39	QP
2	0.152	34.41	-21.50	55.91	23.50	0.52	10.39	Average
3	0.166	37.30	-27.86	65.16	26.51	0.42	10.37	QP
4	0.166	28.90	-26.26	55.16	18.11	0.42	10.37	Average
5	0.431	34.92	-22.32	57.24	24.49	0.23	10.20	QP
6 *	0.431	30.72	-16.52	47.24	20.29	0.23	10.20	Average
7	0.471	35.62	-20.87	56.49	25.20	0.23	10.19	QP
8	0.471	28.02	-18.47	46.49	17.60	0.23	10.19	Average
9	5.085	34.94	-25.06	60.00	24.50	0.19	10.25	QP
10	5.085	28.94	-21.06	50.00	18.50	0.19	10.25	Average
11	5.476	31.95	-28.05	60.00	21.50	0.20	10.25	QP
12	5.476	24.95	-25.05	50.00	14.50	0.20	10.25	Average



Test Mode :	Mode 2	Temperature :	20~22℃
Test Engineer :	Morris Li	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable(Data Link with Notebook) + GPS Rx		



Site : CO01-KS
Condition : FCC CLASS-B LISN-N-20151024 NEUTRAL
Project : (FC) 502302-02
mode : Mode 2
IMEI : 868962021291929/02

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.151	38.19	-27.77	65.96	27.50	0.30	10.39	QP
2	0.151	36.29	-19.67	55.96	25.60	0.30	10.39	Average
3	0.184	42.96	-21.32	64.28	32.30	0.31	10.35	QP
4	0.184	27.16	-27.12	54.28	16.50	0.31	10.35	Average
5	0.208	41.54	-21.73	63.27	30.91	0.31	10.32	QP
6	0.208	26.84	-26.43	53.27	16.21	0.31	10.32	Average
7	0.471	38.11	-18.38	56.49	27.60	0.32	10.19	QP
8	0.471	26.71	-19.78	46.49	16.20	0.32	10.19	Average
9	4.746	34.10	-21.90	56.00	23.50	0.36	10.24	QP
10 *	4.746	28.80	-17.20	46.00	18.20	0.36	10.24	Average
11	4.926	35.20	-20.80	56.00	24.60	0.36	10.24	QP
12	4.926	28.80	-17.20	46.00	18.20	0.36	10.24	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

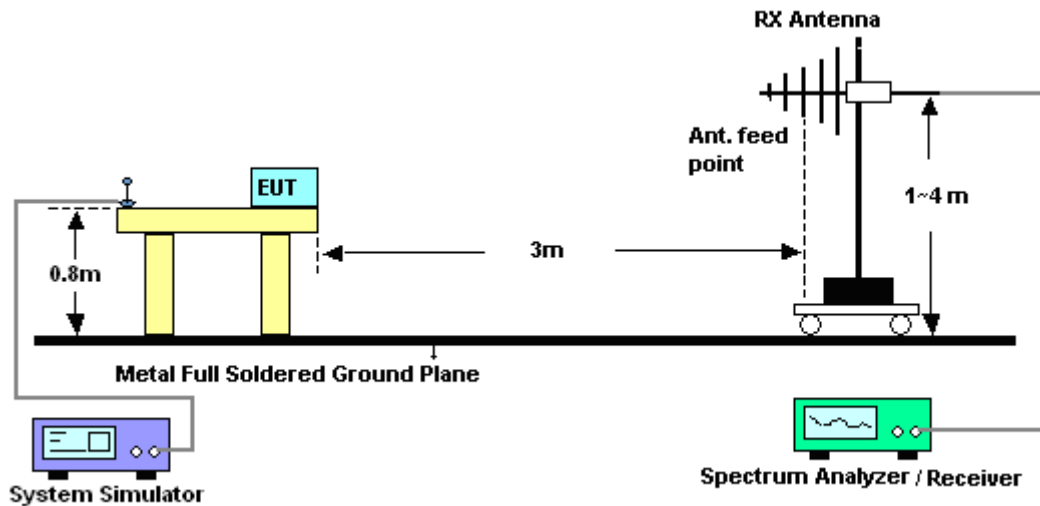
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

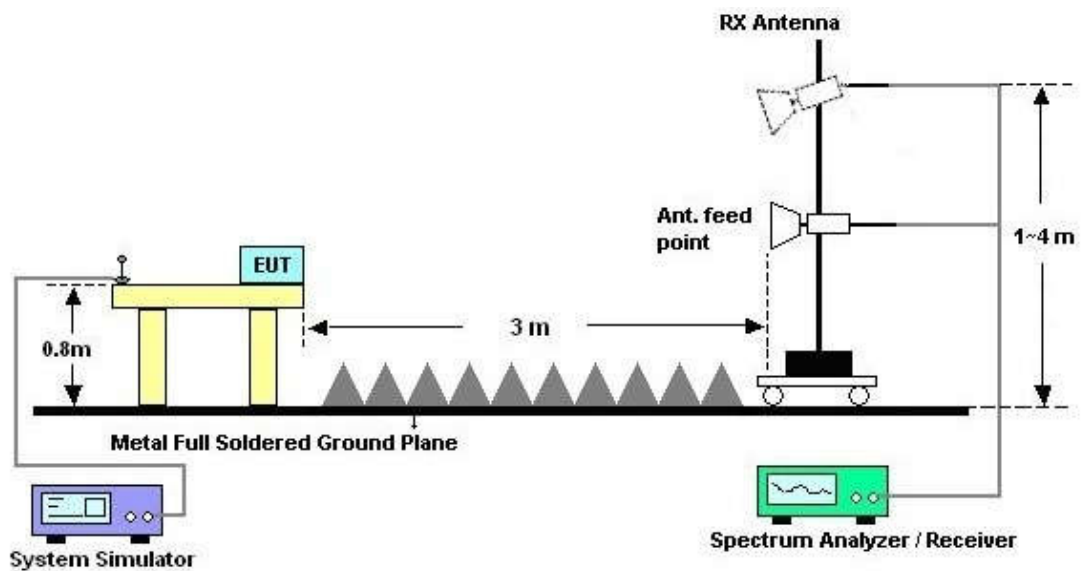
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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



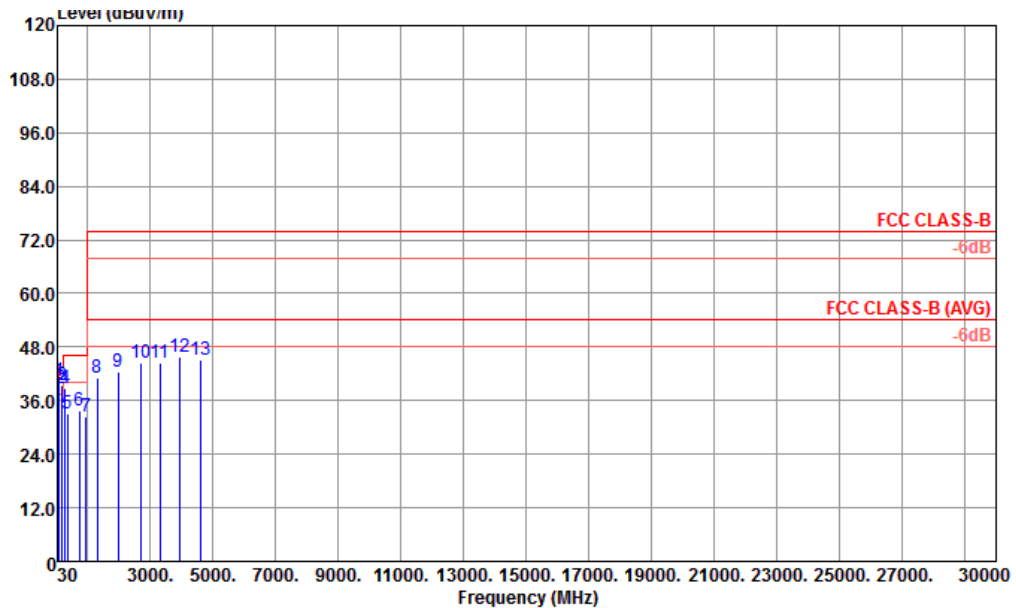
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable(Data Link with Notebook) + GPS Rx		
Remark :	#6 is system simulator signal which can be ignored.		

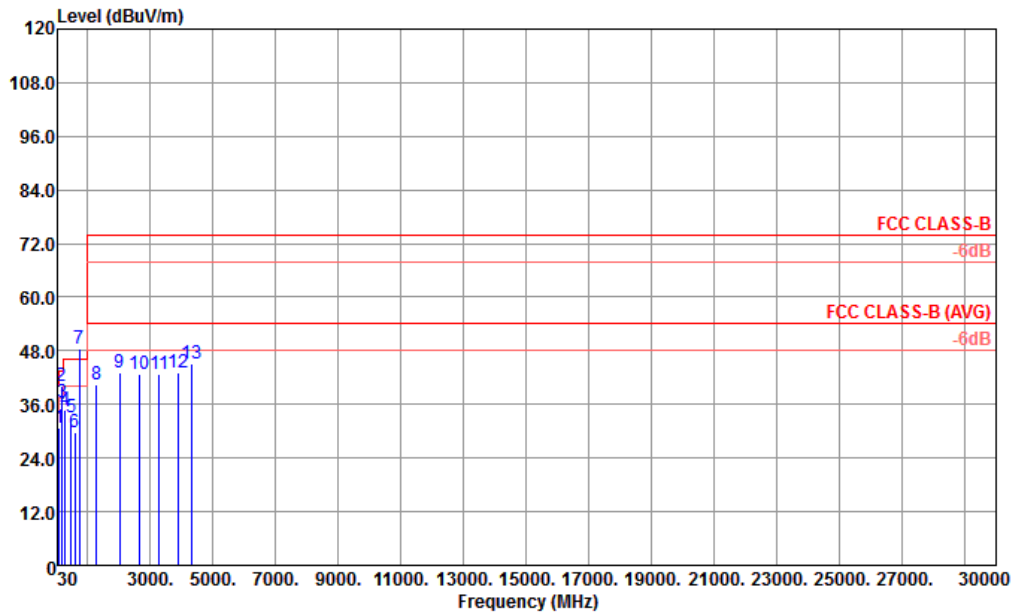


Site : 03CH02-KS
 Condition : FCC CLASS-B 3m 966-02 LF ANT HORIZONTAL
 Project : (FC) 502302-02
 Mode : 1
 IMEI : 868962021291929/02

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1 !	90.21	40.32	-3.18	43.50	54.66	17.08	0.22	31.64	---	---	Peak	HORIZONTAL
2 !	165.27	38.82	-4.68	43.50	53.00	16.91	0.35	31.44	200	253	QP	HORIZONTAL
3 !	184.17	39.54	-3.96	43.50	54.74	16.04	0.38	31.62	---	---	Peak	HORIZONTAL
4	285.69	38.93	-7.07	46.00	51.61	17.68	0.56	30.92	---	---	Peak	HORIZONTAL
5	344.80	33.23	-12.77	46.00	43.05	20.10	0.71	30.63	---	---	Peak	HORIZONTAL
6	741.00	33.59			34.01	26.31	1.32	28.05	---	---	Peak	HORIZONTAL
7	948.20	32.34	-13.66	46.00	28.76	28.37	1.71	26.50	---	---	Peak	HORIZONTAL
8	1306.00	41.17	-32.83	74.00	45.85	28.45	3.33	36.46	---	---	Peak	HORIZONTAL
9	1976.00	42.51	-31.49	74.00	42.69	30.21	4.47	34.86	---	---	Peak	HORIZONTAL
10	2682.00	44.36	-29.64	74.00	39.27	31.85	3.21	29.97	---	---	Peak	HORIZONTAL
11	3312.00	44.31	-29.69	74.00	35.74	33.56	5.97	30.96	---	---	Peak	HORIZONTAL
12	3927.00	45.78	-28.22	74.00	36.34	34.74	6.36	31.66	---	---	Peak	HORIZONTAL
13	4611.00	45.15	-28.85	74.00	36.47	35.20	5.38	31.90	---	---	Peak	HORIZONTAL



Test Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Function Type :	LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4G) Idle + Earphone + USB Cable(Data Link with Notebook) + GPS Rx		
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH02-KS
Condition : FCC CLASS-B 3m 966-02 LF ANT VERTICAL
Project : (FC) 502302-02
Mode : 1
IMEI : 868962021291929/02

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1	90.21	30.78	-12.72	43.50	45.12	17.08	0.22	31.64	---	---	Peak	VERTICAL
2	165.81	40.12	-3.38	43.50	54.30	16.91	0.35	31.44	100	241	Peak	VERTICAL
3	174.72	36.48	-7.02	43.50	51.28	16.45	0.37	31.62	---	---	Peak	VERTICAL
4	284.07	34.83	-11.17	46.00	47.56	17.67	0.56	30.96	---	---	Peak	VERTICAL
5	479.90	33.07	-12.93	46.00	38.48	23.37	0.92	29.70	---	---	Peak	VERTICAL
6	586.30	29.75	-16.25	46.00	33.45	24.43	0.89	29.02	---	---	Peak	VERTICAL
7 *	737.50	48.38			48.79	26.34	1.31	28.06	---	---	Peak	VERTICAL
8	1284.00	40.48	-33.52	74.00	45.30	28.42	3.32	36.56	---	---	Peak	VERTICAL
9	2014.00	43.13	-30.87	74.00	42.63	30.56	4.61	34.67	---	---	Peak	VERTICAL
10	2656.00	42.91	-31.09	74.00	38.26	31.78	3.31	30.44	---	---	Peak	VERTICAL
11	3285.00	42.62	-31.38	74.00	34.11	33.51	6.01	31.01	---	---	Peak	VERTICAL
12	3882.00	43.10	-30.90	74.00	33.52	34.69	6.50	31.61	---	---	Peak	VERTICAL
13	4323.00	45.22	-28.78	74.00	36.05	35.18	5.55	31.56	---	---	Peak	VERTICAL

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. 29, 2016	Nov. 01, 2016	Apr. 28, 2017	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2016	Nov. 01, 2016	Oct. 12, 2017	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 13, 2016	Nov. 01, 2016	Oct. 12, 2017	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 13, 2016	Nov. 01, 2016	Oct. 12, 2017	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Aug. 09, 2016	Nov. 01, 2016	Aug. 08, 2017	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz; Max 30dB	Apr. 22, 2016	Nov. 01, 2016	Apr. 21, 2017	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30MHz~2GHz	Aug. 20, 2016	Nov. 01, 2016	Aug. 19, 2017	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 07, 2015	Nov. 01, 2016	Nov. 06, 2016	Radiation (03CH02-KS)
Amplifier	com-power	PA-103A	161069	1kHz~1000MHz / 32 dB	Apr. 22, 2016	Nov. 01, 2016	Apr. 21, 2017	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1~26.5GHz Gain 30dB	Oct. 13, 2016	Nov. 01, 2016	Oct. 12, 2017	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Nov. 01, 2016	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Nov. 01, 2016	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Nov. 01, 2016	NCR	Radiation (03CH02-KS)

5. Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5dB
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Appendix B. Product Equality Declaration

ZTE CORPORATION

Product Change Description

As the applicant of the below model, [ZTE Corporation] declares that the product,

[Z988]

[ZTE Corporation]

FCC ID: SRQ-Z988

is the variant of the initial certified product,

[Z988]

[ZTE Corporation]

FCC ID: SRQ-Z988

[Project Number:16ZTE387]

SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/STK changes: NO

JAVA changes: NO

Other changes detailed: NO

HARDWARE MODIFICATION:

Band changes: NO

Power Amplifier changes: NO

Antenna changes: Yes, ZTE updated antenna design to let it easy to MP. Though Antenna is updated, no pattern or gain changed.

PCB Layout changes: NO

Components on PCB changes: NO

LCD changes: Yes, new vendor, and Touch pad is also updated to new vendor.

Speaker changes: NO

Camera changes: NO
Vibrator changes: NO
Bluetooth changes: NO
FM changes: NO
Other changes: NO

MECHANICAL MODIFICATIONS:

Use new metal front/back cover or keypad: NO
Mechanical shell changes: NO
Other changes detailed: NO

ACCESSORY MODIFICATIONS:

Battery changes:NO
AC Adaptor changes:NO
Earphone changes:NO



APPROVED BY: Min Zhang

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