

FCC

EMC

TEST REPORT

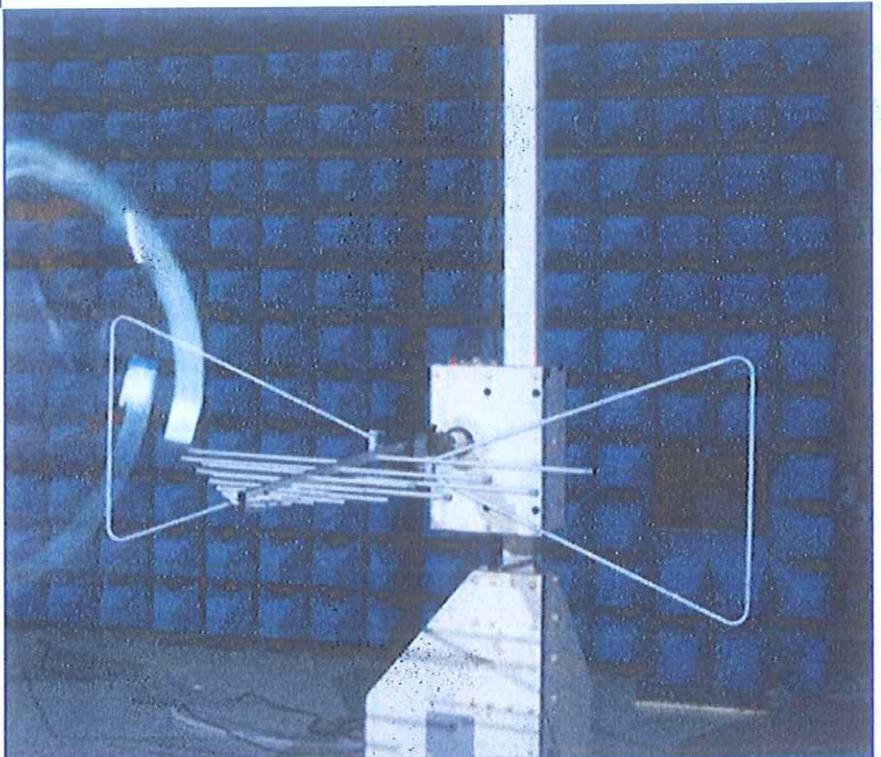
ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**LTE Digital Mobile Handset**

ISSUED TO  
ZTE Corporation

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



Tested by:

*Ju Lang*  
Ju Lang  
(Engineer)

Date

*Jun. 24, 2016*

Approved by:

*Liao Jianming*  
Liao Jianming  
(Technical director)

Date

*Jun. 24, 2016*

Report No.: BL-SZ1660087-401

EUT Type: LTE Digital Mobile Handset

Model Name: ZTE Blade A511, Blade A511

Brand Name: ZTE

Test Standard: 47 CFR Part 15 Subpart B

FCC ID: SRQ-A511

Test Conclusion: Pass.

Test Date: Jun. 11, 2016 ~ Jun. 23, 2016

Date of Issue: Jun. 24, 2016

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**Revision History**

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Jun. 24, 2016</u>	<u>Initial Issue</u>

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## 1 GENERAL INFORMATION

### 1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100
Fax Number	+86 755 6182 4271

### 1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	<p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1.</p> <p>The laboratory has been listed by US Federal Communications Commission to perform electromagnetic emission measurements. The recognition numbers of test site are 832625.</p> <p>The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.</p>
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

### 1.3 Laboratory Condition

Ambient Temperature	20°C~25°C
Ambient Relative Humidity	45% - 55%
Ambient Pressure	100 kPa - 102 kPa

### 1.4 Announce

- (1) The test report reference to the report template version v3.3.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

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

### 2.2 Manufacturer Information

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

### 2.3 Factory Information

Factory	N/A
Address	N/A

### 2.4 General Description for Equipment under Test (EUT)

EUT Type	LTE Digital Mobile Handset
Model Name Under Test	ZTE Blade A511
Series Model Name	Blade A511
Description of Model name differentiation	The equipment model ZTE Blade A511 and Blade A511 are LTE Digital Mobile Handset, the electrical parameters and internal structure of circuit are same, only the model name is different.
Hardware Version	V1AMB_A
Software Version	A511_ChileMovistar_1.01
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
The Highest Speed of Processor	1.0 GHz
Network and Wireless connectivity	2G Network GSM 850/1900 MHz, GPRS, EDEG 3G Network WCDMA Band II/V, HSDPA, HSUPA 4G Network FDD LTE Band 4/7/28 Bluetooth 3.0, Bluetooth 4.0, GPS, FM, GLONASS WIFI 802.11b, 802.11g, 802.11n20, 802.11n40

### 2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	ZTE
	Model No.	Li3822T43P3h786032
	Serial No.	N/A
	Capacitance	2200 mAh
	Rated Voltage	3.8 V
	Limited Voltage	4.35 V

Ancillary Equipment 2	Charge	
	Brand Name	ZTE
	Model No.	STC-A22O50I1000USBA-A
	Rated Input	100~240 V ~, 50~60 Hz, 300 mA
	Rated Output	5 V =, 1000 mA
Ancillary Equipment 3	USB Data Cable	
	Length (Approx)	1.2 m
Ancillary Equipment 4	Earphone	
	Length (Approx)	51 cm

## 2.6 Technical Information

N/A

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

No.	Identity	Document Title
1	FCC 47 CFR Part 15 Subpart B (10-1-15 Edition)	Unintentional Radiators
2	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low- Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

#### 3.2 Verdict

No.	Description	FCC Rule	Test Verdict	Result
1	Radiated Emission	15.109	Pass	Annex A .1
2	Conducted Emission, AC Ports	15.107	Pass	Annex A .2

#### 3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

Measurement	Value
Conducted emissions (9 kHz-30 MHz)	3.23 dB
Radiated emissions (30 MHz-1 GHz)	3.45 dB
Radiated emissions (1 GHz-18 GHz)	4.55 dB

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

Environment Parameter	Selected Values During Tests			
	Temperature	Voltage	Relative Humidity	Ambient Pressure
Normal Temperature, Normal Voltage (NTNV)	23°C~26°C	AC 120 V/60 Hz	50%-55%	100 to 102 kPa

### 4.2 Test Equipment List

Radiated Emission Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2015.07.14	2016.07.13	<input checked="" type="checkbox"/>
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2015.07.22	2017.07.21	<input checked="" type="checkbox"/>
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2015.07.22	2017.07.21	<input checked="" type="checkbox"/>
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2015.07.22	2017.07.21	<input type="checkbox"/>
Anechoic Chamber	RAINFORD	9 m*6 m*6 m	N/A	2015.02.28	2017.02.27	<input checked="" type="checkbox"/>

Conducted disturbance Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2015.07.14	2016.07.13	<input checked="" type="checkbox"/>
LISN	SCHWARZBECK	NSLK 8127	8127-687	2015.07.14	2016.07.13	<input checked="" type="checkbox"/>
Shielded Enclosure	ChangNing	CN-130701	130703	N/A	N/A	<input checked="" type="checkbox"/>

### 4.3 Test Enclosure list

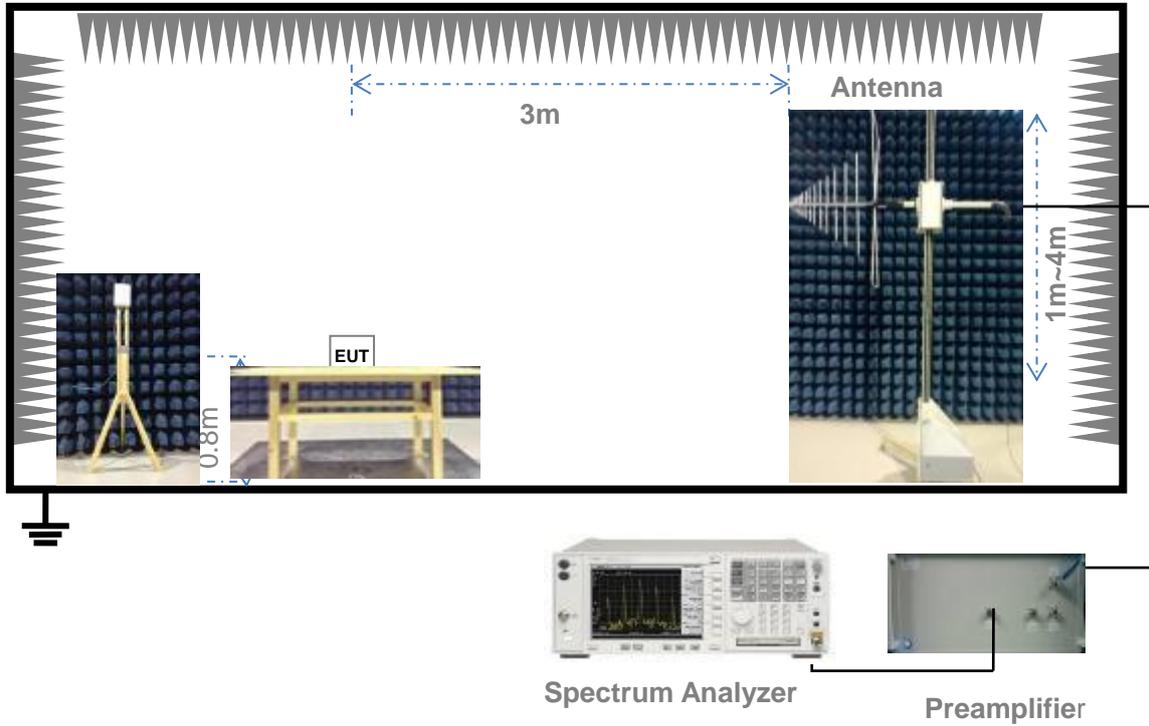
Description	Manufacturer	Model	Serial No.	Length	Description	Use
PC	N/A	N/A	N/A	N/A	Special Handled	<input type="checkbox"/>
Laptop	Apple	A1465	N/A	N/A	N/A	<input checked="" type="checkbox"/>
Printer	HP	DESKJET 1000	N/A	N/A	N/A	<input type="checkbox"/>
Keyboard	Logitech	Y-BP62a	N/A	N/A	N/A	<input type="checkbox"/>
Mouse	Logitech	M100	N/A	N/A	N/A	<input type="checkbox"/>
USB disk	Kingston	N/A	N/A	N/A	N/A	<input type="checkbox"/>
TF Card	Kingston	N/A	N/A	N/A	N/A	<input checked="" type="checkbox"/>
VGA Cable	N/A	N/A	N/A	1.5 m	Shielded with core	<input type="checkbox"/>
HDMI Cable	N/A	N/A	N/A	1.5 m	Shielded with core	<input type="checkbox"/>
DVI Cable	N/A	N/A	N/A	1.5 m	Shielded with core	<input type="checkbox"/>
Coaxial video cable	N/A	N/A	N/A	2.0 m	Shielded with core	<input type="checkbox"/>
iPhone	Apple	A1586	N/A	N/A	N/A	<input type="checkbox"/>
Phone	MI	M4	N/A	N/A	N/A	<input type="checkbox"/>
Laptop	LENOVO	K29	N/A	N/A	N/A	<input type="checkbox"/>
Bluetooth Earphone	SAMSUNG	Gear Circle	N/A	N/A	N/A	<input type="checkbox"/>
GPS/GLONASS Vector signal generator	R&S	N5172B EXG	N/A	N/A	N/A	<input type="checkbox"/>
WIFI Router	TP-LINK	TL-WDR7500	N/A	N/A	N/A	<input type="checkbox"/>
Earphone	N/A	OPPO	N/A	1.1 m	N/A	<input type="checkbox"/>
Car Battery	Camel	55530	N/A	N/A	12 V/55 Ah	<input type="checkbox"/>
Artificial load	N/A	N/A	N/A	N/A	2.5 $\Omega$ /100 W	<input type="checkbox"/>
Artificial load	N/A	N/A	N/A	N/A	5 $\Omega$ /100 W	<input type="checkbox"/>
Electronic Load	ITECH	IT8511	N/A	N/A	N/A	<input type="checkbox"/>
USB Cable	N/A	N/A	N/A	1.5 m	Shielded with core	<input type="checkbox"/>
DC Power Supply	ROHDE&SCHWARZ	HMP2020	18141664	N/A	N/A	<input type="checkbox"/>

## 4.4 Test Configurations

Test Configurations (TC) No.	Description
TC01	<u>The Video record test mode</u> EUT + Battery + Adapter + USB Cable + TF Card + Earphone
TC02	<u>The Video playing test mode</u> EUT + Battery + Adapter + USB Cable + TF Card + Earphone
TC03	<u>The FM test mode</u> EUT+ Battery + Adapter + USB Cable + Earphone
TC04	<u>The Download test mode</u> EUT+ Battery + USB Cable + Laptop + TF Card + Earphone

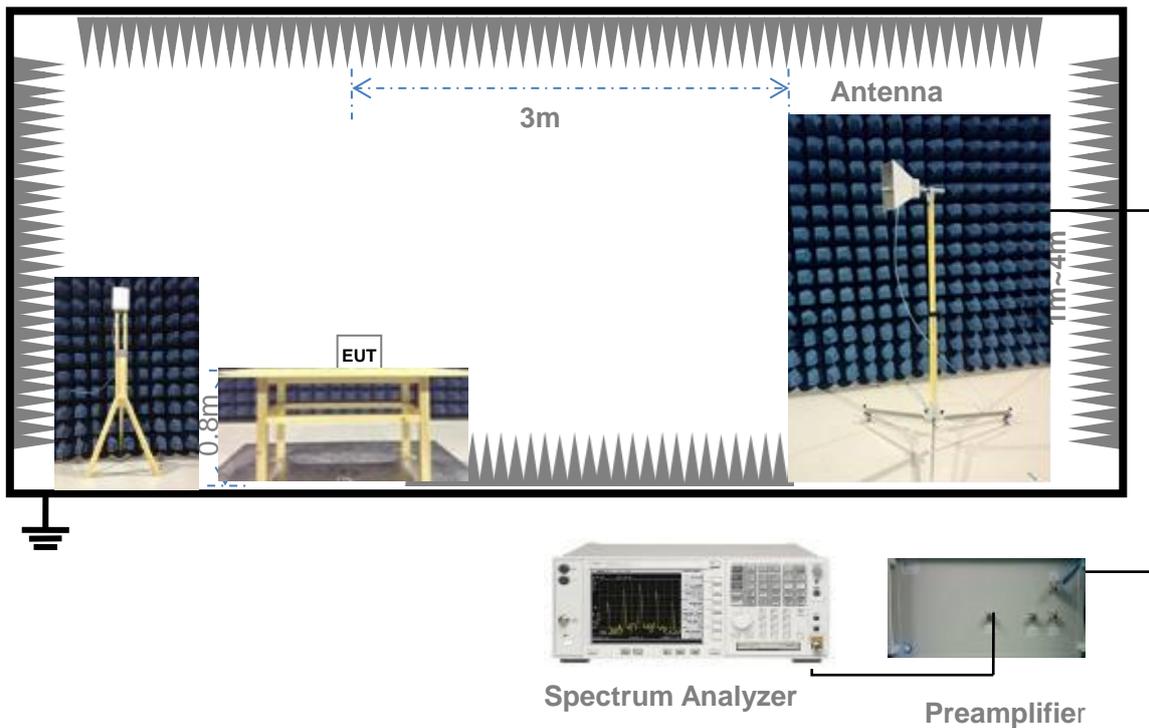
### 4.5 Test Setups

#### Test Setup 1



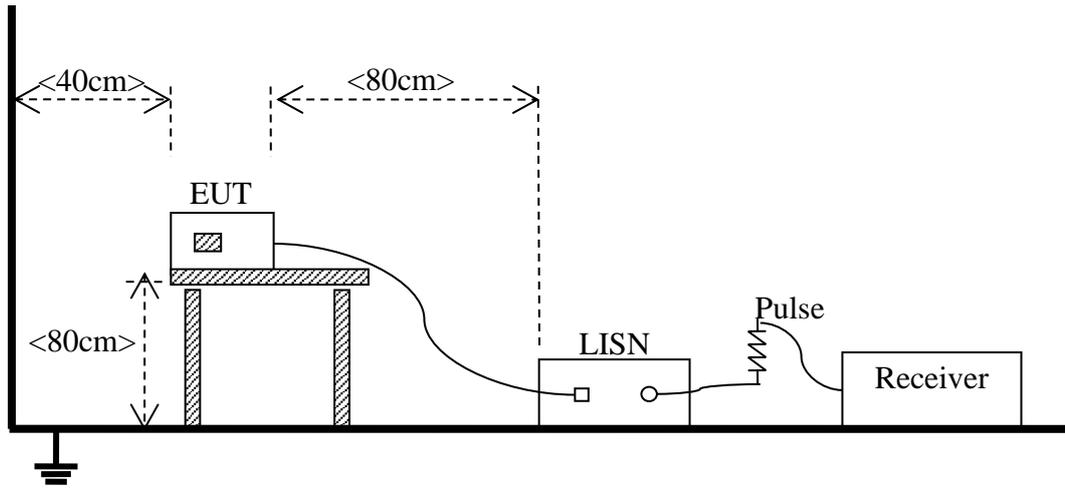
(For Radiated Emission Test (30 MHz-1 GHz))

#### Test Setup 2



(For Radiated Emission Test (above 1 GHz))

Test Setup 3



(For Conducted Emission, AC Ports Test)

## 4.6 Test Conditions

Test Case	Test Conditions	
Radiated Emission	Test Env.	NTNV
	Test Setup	Test Setup 1&2
	Test Configuration	TC01~TC04 <sup>Note</sup>
Conducted Emission, AC Ports	Test Env.	NTNV
	Test Setup	Test Setup 3
	Test Configuration	TC01~TC04 <sup>Note</sup>

Note: Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report. The Video playing test mode is the worst mode in this report.

## 5 TEST ITEMS

### 5.1 Emission Tests

#### 5.1.1 Radiated Emission

##### 5.1.1.1 Limit

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

#### NOTE:

- 1) Field Strength ( $\text{dB}\mu\text{V}/\text{m}$ ) =  $20 \cdot \log$  [Field Strength ( $\mu\text{V}/\text{m}$ )].
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For above 1000 MHz, limit field strength of harmonics: 54  $\text{dBuV}/\text{m}@3\text{ m}$  (AV) and 74  $\text{dBuV}/\text{m}@3\text{ m}$  (PK)

##### 5.1.1.2 Test Setup

Refer to 4.5 section (test setups1 to test setups2) for radiated emission test, the photo of test setup please refer to ANNEX B.

##### 5.1.1.3 Test Procedure

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

##### 5.1.1.4 Test Result

Please refer to ANNEX A.1.

## 5.1.2 Conducted Emission

### 5.1.2.1 Test Limit

Frequency range (MHz)	Conducted Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- 1) The limit is applicable to Class B ITE.
- 2) The lower limit shall apply at the band edges.
- 3) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

### 5.1.2.2 Test Setup

Refer to 4.5 section test (test setup 3) for conducted emission, the photo of test setup please refer to ANNEX B.

### 5.1.2.3 Test Procedure

The EUT is connected to the power mains through a LISN which provides 50  $\Omega$ /50  $\mu$ H of coupling impedance for the measuring instrument. The test frequency range is from 150 kHz to 30 MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

### 5.1.2.4 Test Result

Please refer to ANNEX A.2.

## ANNEX A TEST RESULTS

### A.1 Radiated Emission

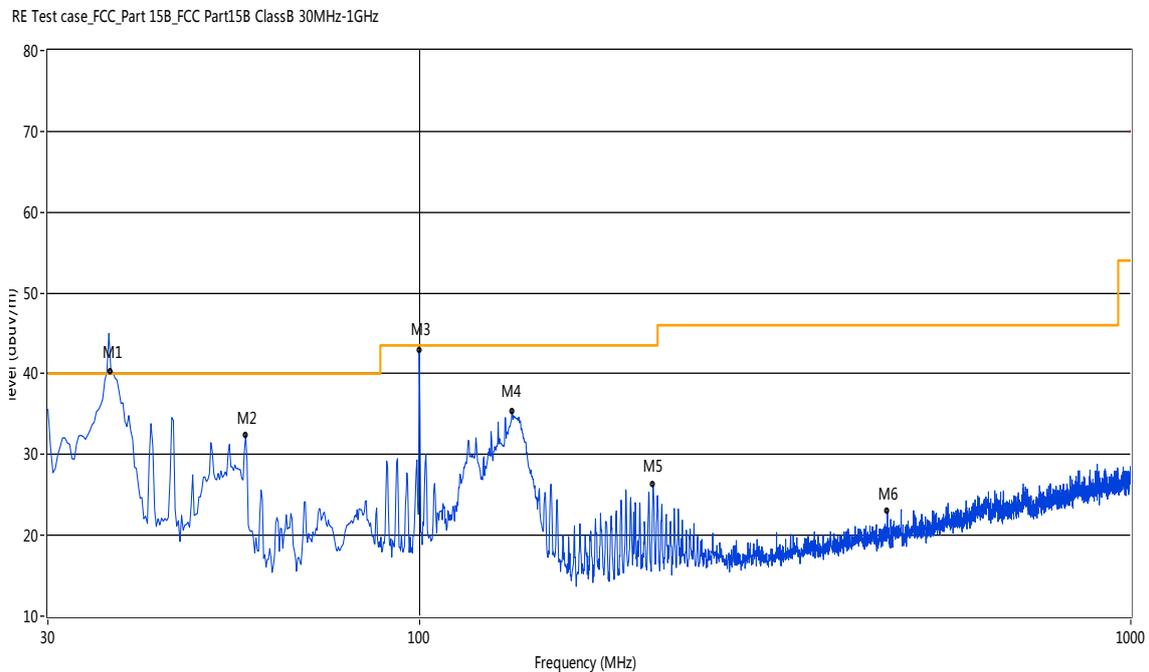
Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

#### Test Data and Plots

The worst test mode: The Video playing test mode

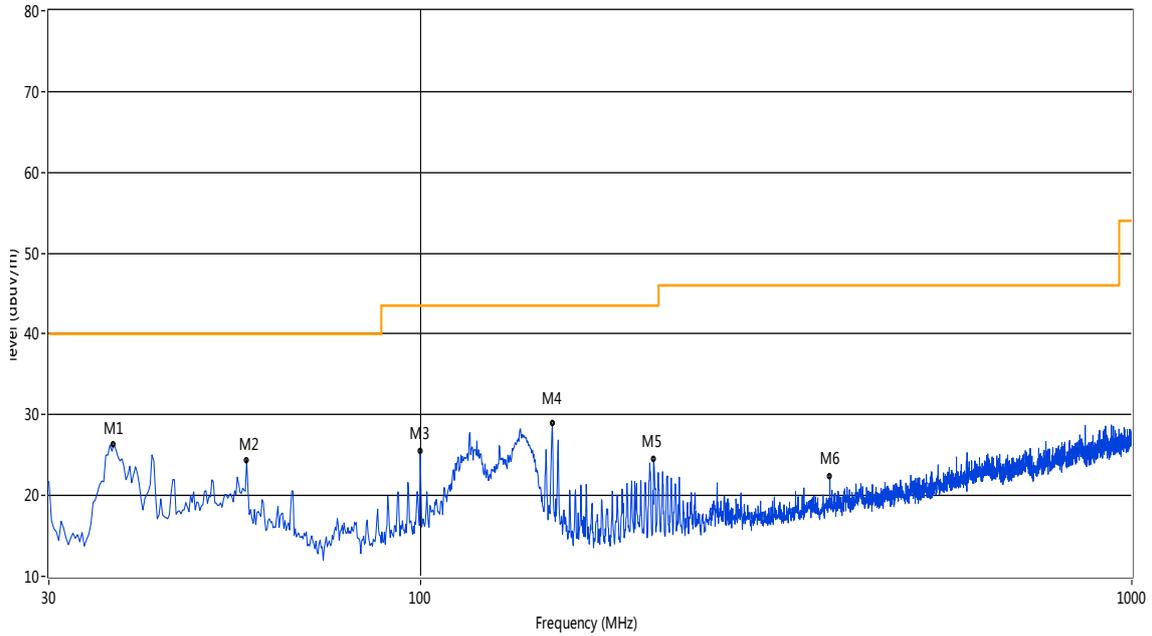
#### A.1.1 Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	36.65	44.99	-22.02	40.0	-4.99	Peak	7.80	143.50	Vertical	N/A
1*	36.65	36.15	-22.02	40.0	3.85	QP	7.80	143.50	Vertical	Pass
2	56.91	32.36	-21.14	40.0	7.64	Peak	349.80	100	Vertical	Pass
3	100.02	42.85	-22.20	43.5	0.65	Peak	325.10	100.80	Vertical	N/A
3*	100.02	37.71	-22.20	43.5	3.79	QP	325.10	100.80	Vertical	Pass
4	134.98	35.30	-25.74	43.5	8.20	Peak	335.10	100	Vertical	Pass
5	212.80	26.27	-22.63	43.5	17.23	Peak	345.00	100	Vertical	Pass
6	454.75	22.96	-18.34	46.0	23.04	Peak	0.30	100	Vertical	Pass

A.1.2 Test Antenna Horizontal, 30 MHz – 1 GHz

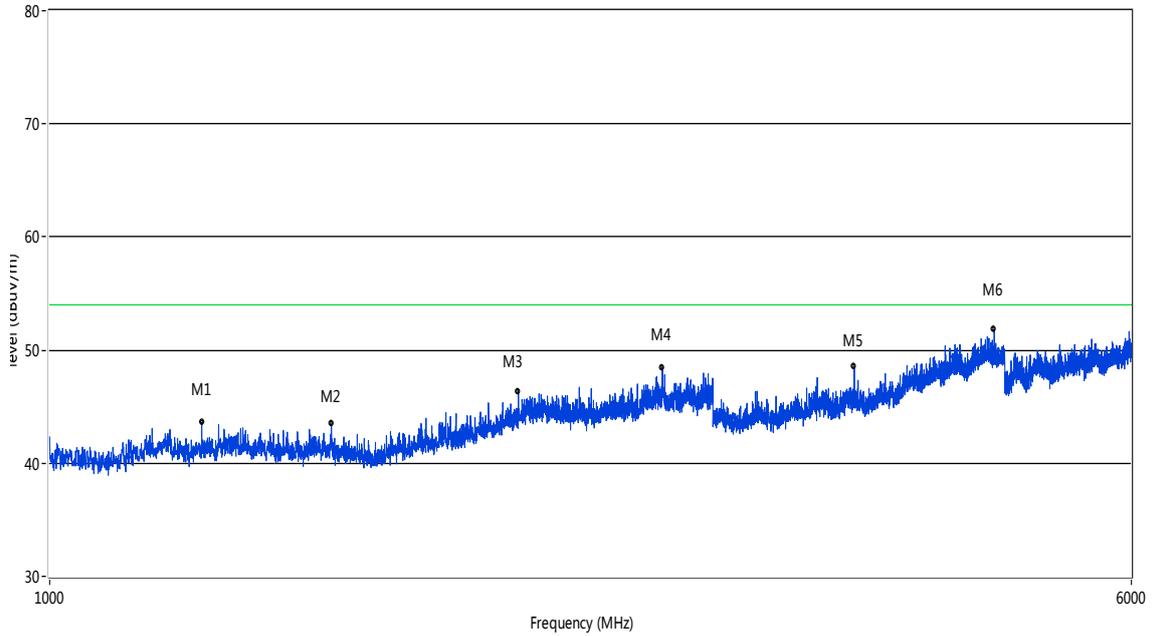
RE Test case\_FCC\_Part 15B\_FCC Part15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	37.03	26.33	-21.86	40.0	13.67	Peak	0.30	100	Horizontal	Pass
2	56.91	24.37	-21.14	40.0	15.63	Peak	0.70	100	Horizontal	Pass
3	99.82	25.47	-22.20	43.5	18.03	Peak	117.00	100	Horizontal	Pass
4	153.16	28.83	-25.75	43.5	14.67	Peak	327.60	100	Horizontal	Pass
5	212.56	24.42	-22.67	43.5	19.08	Peak	71.50	100	Horizontal	Pass
6	376.20	22.29	-19.31	46.0	23.71	Peak	287.50	100	Horizontal	Pass

A.1.3 Test Antenna Vertical, 1 GHz – 6 GHz

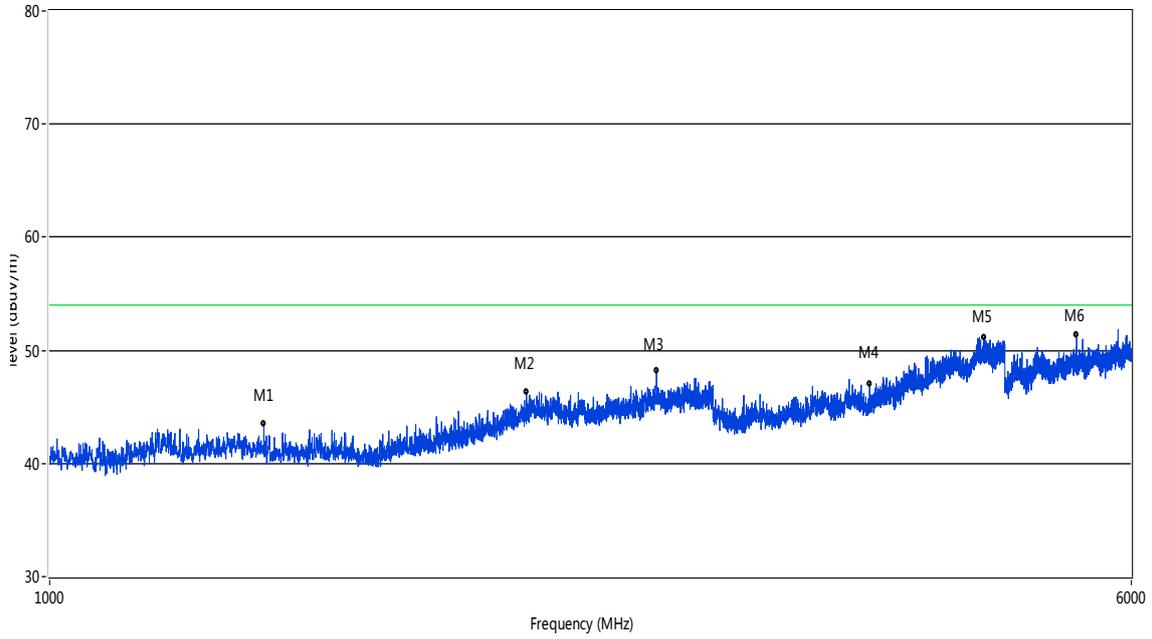
RE Test case\_FCC\_Part 15B\_FCC Part15B ClassB 1GHz-6GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1286.43	43.63	-4.86	74.0	30.37	Peak	60.70	100	Vertical	Pass
2	1594.85	43.46	-4.33	74.0	30.54	Peak	186.80	100	Vertical	Pass
3	2173.71	46.37	-0.98	74.0	27.63	Peak	14.70	100	Vertical	Pass
4	2759.06	48.46	1.88	74.0	25.54	Peak	119.40	100	Vertical	Pass
5	3791.05	48.50	10.80	74.0	25.50	Peak	129.10	100	Vertical	Pass
6	4780.05	51.85	13.62	74.0	22.15	Peak	359.60	100	Vertical	Pass

A.1.4 Test Antenna Horizontal, 1 GHz – 6 GHz

RE Test case\_FCC\_Part 15B\_FCC Part15B ClassB 1GHz-6GHz

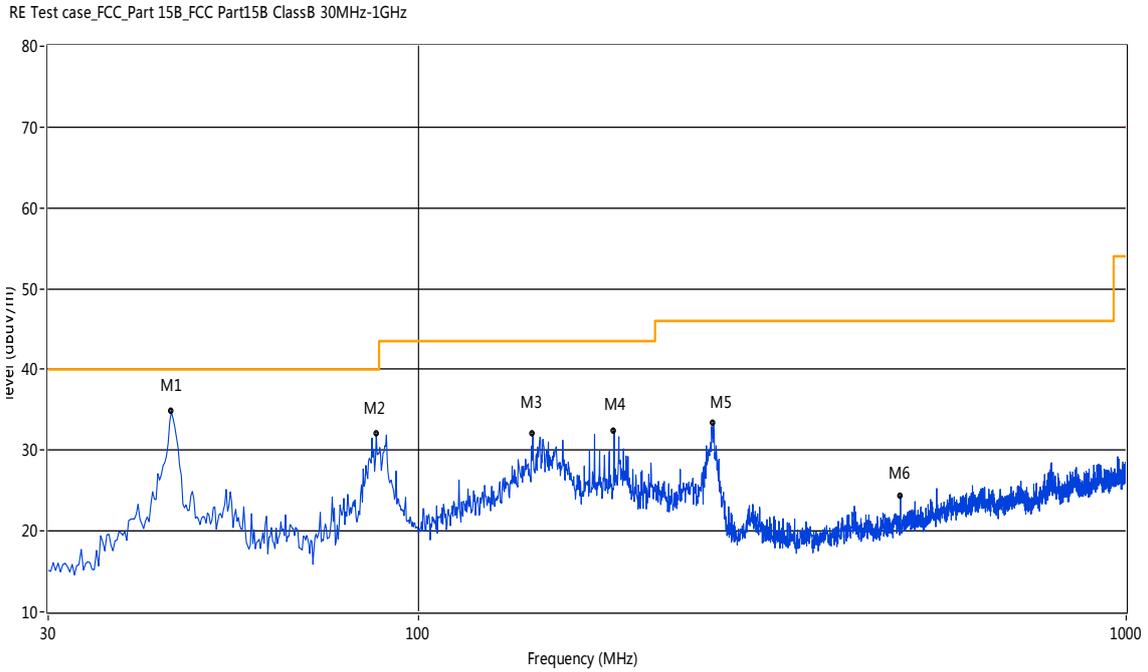


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1425.89	43.54	-4.67	74.0	30.46	Peak	300.30	100	Horizontal	Pass
2	2202.70	46.31	-0.34	74.0	27.69	Peak	329.70	100	Horizontal	Pass
3	2732.57	48.18	1.86	74.0	25.82	Peak	170.10	100	Horizontal	Pass
4	3889.28	47.05	10.89	74.0	26.95	Peak	331.00	100	Horizontal	Pass
5	4700.57	51.10	13.32	74.0	22.90	Peak	95.20	100	Horizontal	Pass
6	5479.63	51.31	14.94	74.0	22.69	Peak	209.20	100	Horizontal	Pass

Test Data and Plots

The Download test mode

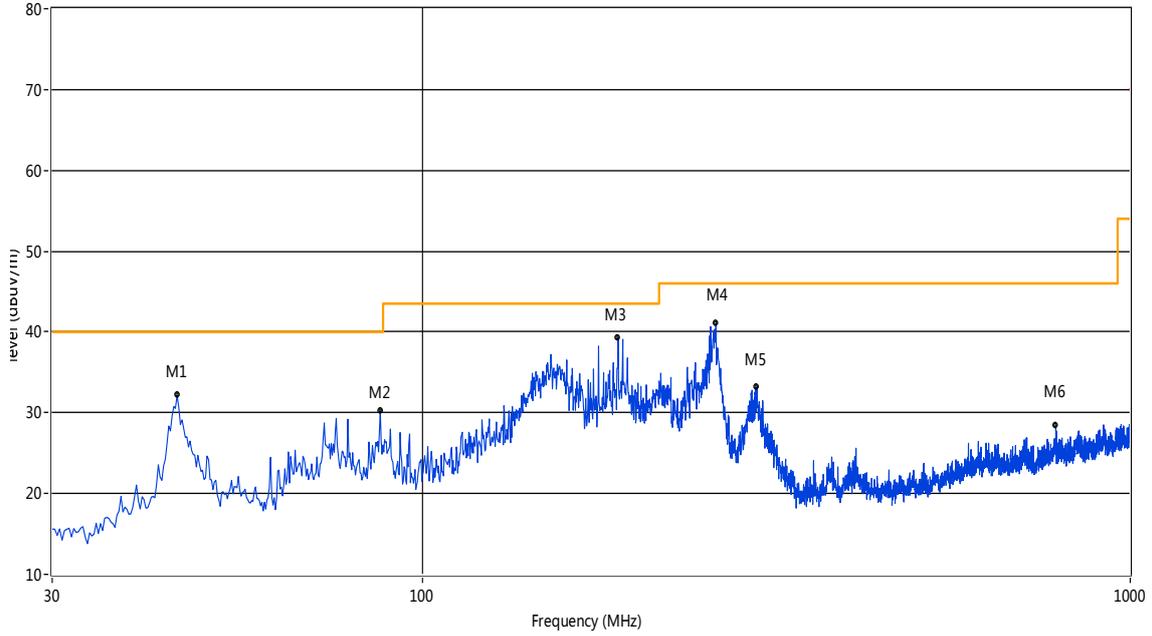
A.1.5 Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	44.79	34.75	-20.22	40.0	5.25	Peak	58.10	100	Vertical	Pass
2	87.22	32.02	-24.56	40.0	7.98	Peak	74.80	100	Vertical	Pass
3	145.16	32.08	-25.95	43.5	11.42	Peak	358.20	100	Vertical	Pass
4	189.04	32.42	-23.67	43.5	11.08	Peak	5.10	100	Vertical	Pass
5	261.04	33.28	-21.61	46.0	12.72	Peak	-0.00	100	Vertical	Pass
6	479.97	24.35	-17.79	46.0	21.65	Peak	48.00	100	Vertical	Pass

A.1.6 Test Antenna Horizontal, 30 MHz – 1 GHz

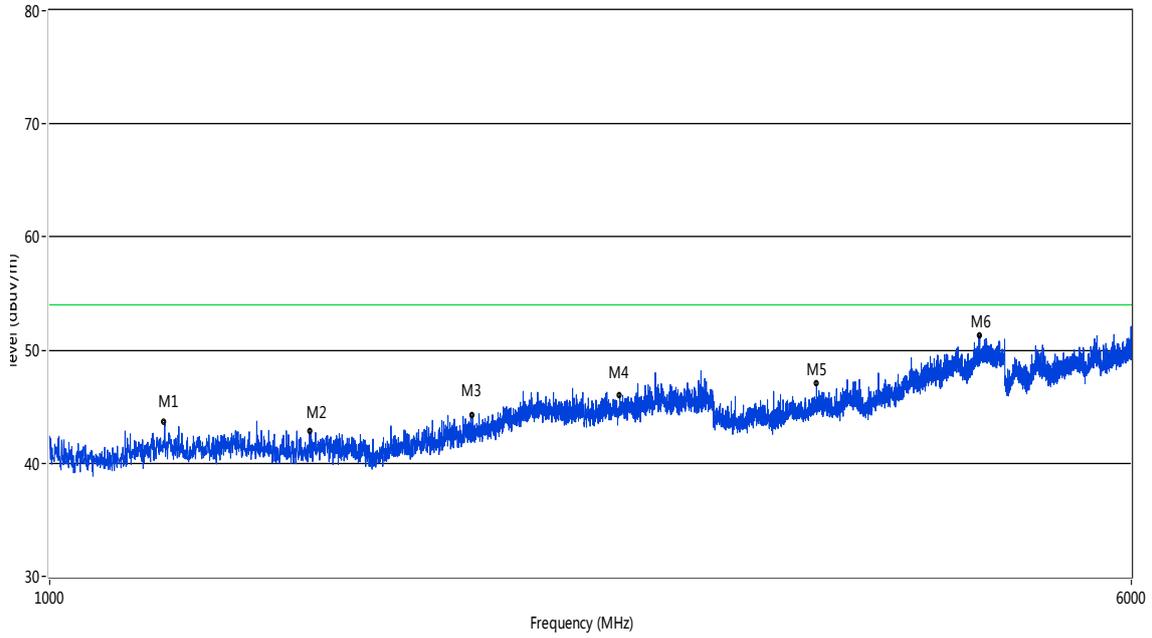
RE Test case\_FCC\_Part 15B\_FCC Part15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	45.03	32.13	-20.15	40.0	7.87	Peak	14.90	100	Horizontal	Pass
2	87.22	30.24	-24.56	40.0	9.76	Peak	241.10	100	Horizontal	Pass
3	189.04	39.27	-23.67	43.5	4.23	Peak	41.60	100	Horizontal	Pass
4	259.83	41.07	-21.63	46.0	4.93	Peak	35.00	100	Horizontal	Pass
5	296.93	33.20	-20.90	46.0	12.80	Peak	38.40	100	Horizontal	Pass
6	785.20	28.33	-12.77	46.0	17.67	Peak	356.70	100	Horizontal	Pass

A.1.7 Test Antenna Vertical, 1 GHz – 6 GHz

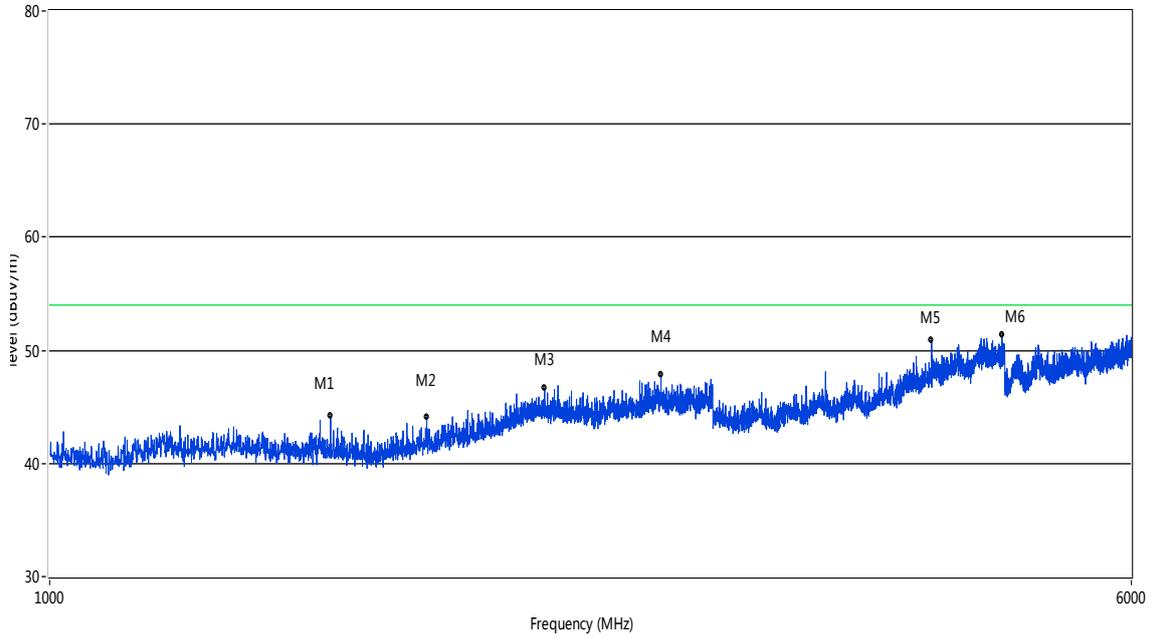
RE Test case\_FCC\_Part 15B\_FCC Part15B ClassB 1GHz-6GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1209.45	43.56	-5.15	74.0	30.44	Peak	35.40	100	Vertical	Pass
2	1540.86	42.77	-4.21	74.0	31.23	Peak	334.30	100	Vertical	Pass
3	2014.75	44.24	-2.11	74.0	29.76	Peak	228.80	100	Vertical	Pass
4	2571.11	45.99	0.10	74.0	28.01	Peak	3.60	100	Vertical	Pass
5	3561.61	46.98	9.76	74.0	27.02	Peak	15.60	100	Vertical	Pass
6	4666.83	51.27	13.09	74.0	22.73	Peak	114.40	100	Vertical	Pass

A.1.8 Test Antenna Horizontal, 1 GHz – 6 GHz

RE Test case\_FCC\_Part15B\_FCC Part15B ClassB 1GHz-6GHz



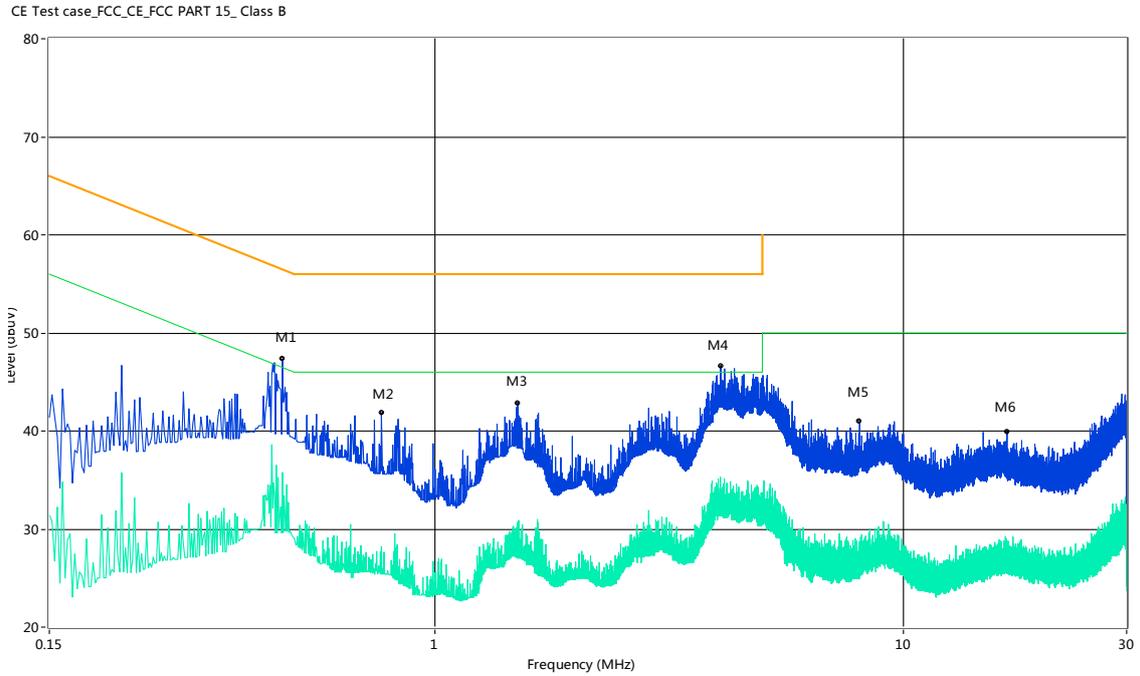
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1592.35	44.19	-4.30	74.0	29.81	Peak	264.70	100	Horizontal	Pass
2	1867.28	44.11	-3.06	74.0	29.89	Peak	155.40	100	Horizontal	Pass
3	2270.18	46.61	-0.51	74.0	27.39	Peak	84.40	100	Horizontal	Pass
4	2752.56	47.80	1.83	74.0	26.20	Peak	358.00	100	Horizontal	Pass
5	4309.17	50.87	11.97	74.0	23.13	Peak	293.60	100	Horizontal	Pass
6	4841.54	51.36	13.69	74.0	22.64	Peak	49.40	100	Horizontal	Pass

## A.2 Conducted Emission

### Test Data and Plots

The worst test mode: The Video playing test mode

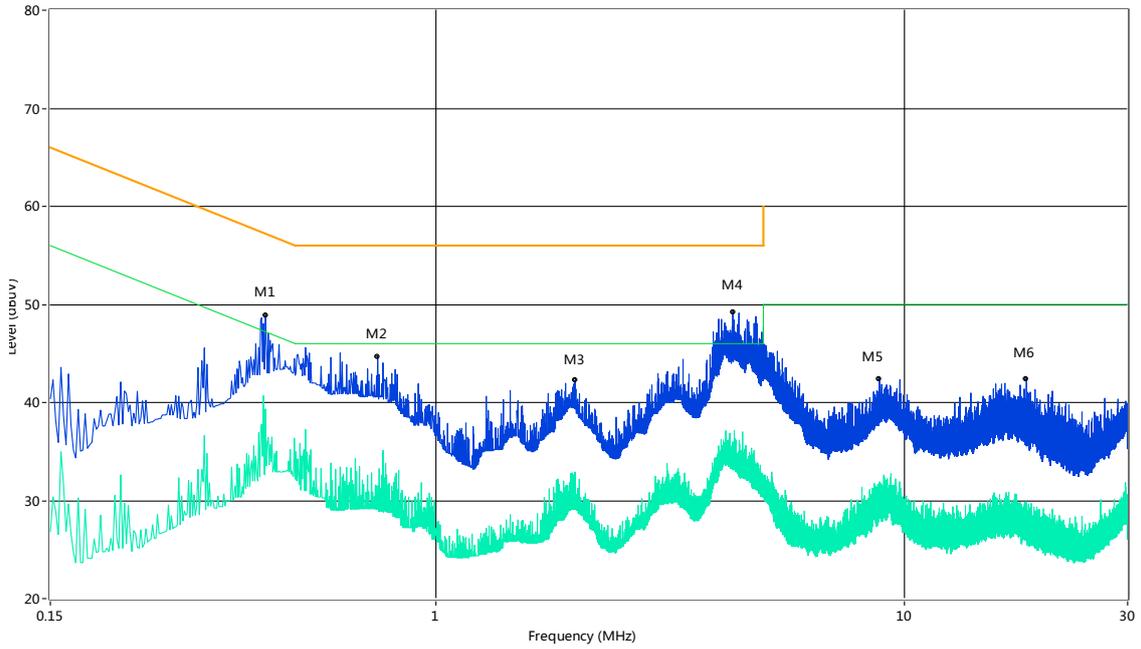
#### A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.47	47.3	11.00	56.8	9.50	Peak	L Line	Pass
1**	0.47	35.8	11.00	46.8	11.00	AV	L Line	Pass
2	0.77	41.8	11.00	56.0	14.20	Peak	L Line	Pass
2**	0.77	28.2	11.00	46.0	17.80	AV	L Line	Pass
3	1.50	42.9	11.00	56.0	13.10	Peak	L Line	Pass
3**	1.50	30.7	11.00	46.0	15.30	AV	L Line	Pass
4	4.07	46.6	11.00	56.0	9.40	Peak	L Line	Pass
4**	4.07	31.4	11.00	46.0	14.60	AV	L Line	Pass
5	8.07	40.9	11.00	60.0	19.10	Peak	L Line	Pass
5**	8.07	28.7	11.00	50.0	21.30	AV	L Line	Pass
6	16.65	39.9	11.00	60.0	20.10	Peak	L Line	Pass
6**	16.65	28.0	11.00	50.0	22.00	AV	L Line	Pass

A.2.2 N Phase

CE Test case\_FCC\_CE\_FCC PART 15\_Class B



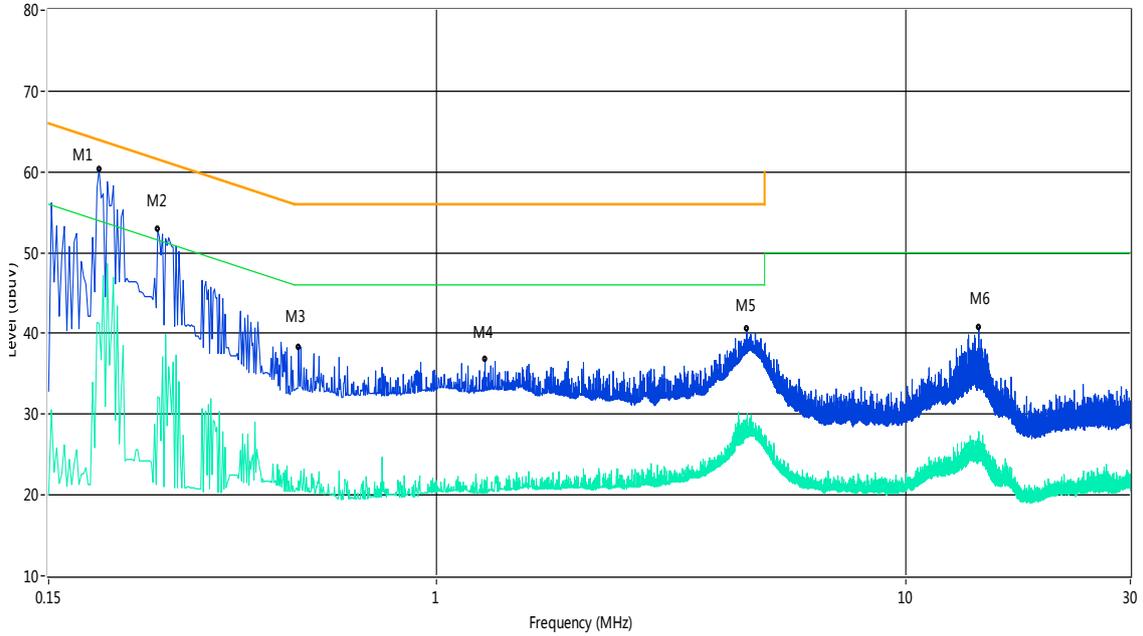
No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.43	48.9	11.00	57.9	9.00	Peak	N Line	Pass
1**	0.43	39.3	11.00	47.9	8.60	AV	N Line	Pass
2	0.75	44.7	11.00	56.0	11.30	Peak	N Line	Pass
2**	0.75	28.7	11.00	46.0	17.30	AV	N Line	Pass
3	1.98	42.2	11.00	56.0	13.80	Peak	N Line	Pass
3**	1.98	32.9	11.00	46.0	13.10	AV	N Line	Pass
4	4.30	49.2	11.00	56.0	6.80	Peak	N Line	Pass
4**	4.30	36.0	11.00	46.0	10.00	AV	N Line	Pass
5	8.84	42.4	11.00	60.0	17.60	Peak	N Line	Pass
5**	8.84	31.6	11.00	50.0	18.40	AV	N Line	Pass
6	18.23	42.4	11.00	60.0	17.60	Peak	N Line	Pass
6**	18.23	29.4	11.00	50.0	20.60	AV	N Line	Pass

Test Data and Plots

The Download test mode

A.2.3 L Phase

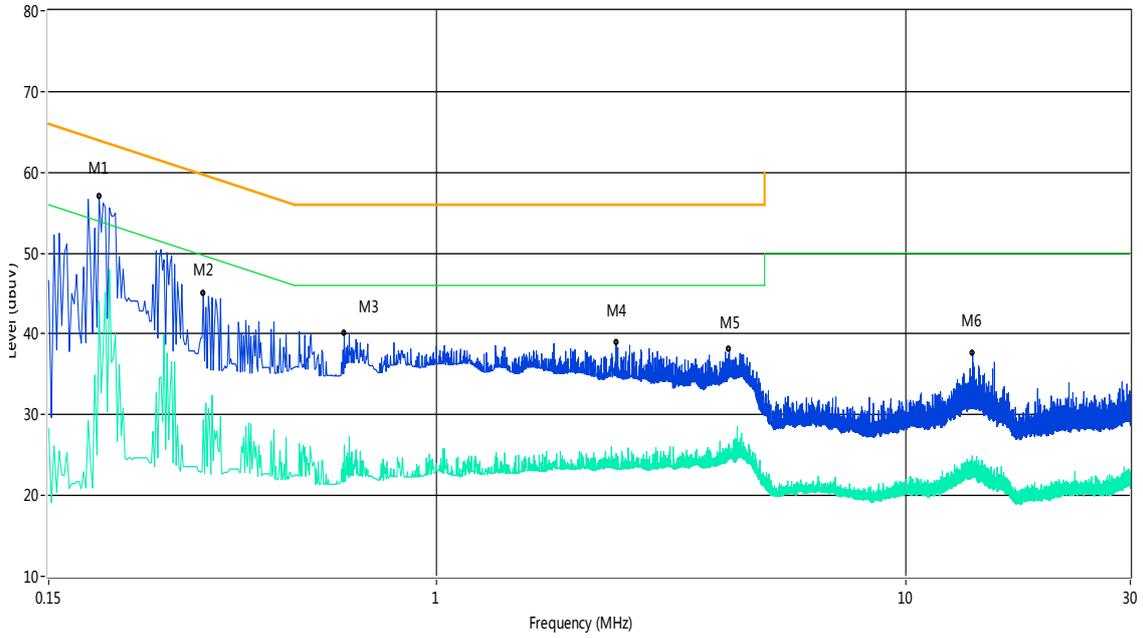
CE Test case\_FCC\_CE\_FCC PART 15\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.19	60.3	11.00	64.8	4.50	Peak	L Line	Pass
1**	0.19	41.2	11.00	54.8	13.60	AV	L Line	Pass
2	0.26	52.8	11.00	63.0	10.20	Peak	L Line	Pass
2**	0.26	32.2	11.00	53.0	20.80	AV	L Line	Pass
3	0.51	38.3	11.00	56.0	17.70	Peak	L Line	Pass
3**	0.51	21.8	11.00	46.0	24.20	AV	L Line	Pass
4	1.27	36.8	11.00	56.0	19.20	Peak	L Line	Pass
4**	1.27	21.0	11.00	46.0	25.00	AV	L Line	Pass
5	4.59	40.5	11.00	56.0	15.50	Peak	L Line	Pass
5**	4.59	28.7	11.00	46.0	17.30	AV	L Line	Pass
6	14.28	40.7	11.00	60.0	19.30	Peak	L Line	Pass
6**	14.28	27.8	11.00	50.0	22.20	AV	L Line	Pass

A.2.4 N Phase

CE Test case\_FCC\_CE\_FCC PART 15\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.19	56.9	11.00	64.8	7.90	Peak	N Line	Pass
1**	0.19	44.1	11.00	54.8	10.70	AV	N Line	Pass
2	0.32	45.0	11.00	61.1	16.10	Peak	N Line	Pass
2**	0.32	29.4	11.00	51.1	21.70	AV	N Line	Pass
3	0.64	40.0	11.00	56.0	16.00	Peak	N Line	Pass
3**	0.64	26.2	11.00	46.0	19.80	AV	N Line	Pass
4	2.42	38.9	11.00	56.0	17.10	Peak	N Line	Pass
4**	2.42	25.2	11.00	46.0	20.80	AV	N Line	Pass
5	4.21	38.1	11.00	56.0	17.90	Peak	N Line	Pass
5**	4.21	25.1	11.00	46.0	20.90	AV	N Line	Pass
6	13.85	37.7	11.00	60.0	22.30	Peak	N Line	Pass
6**	13.85	21.6	11.00	50.0	28.40	AV	N Line	Pass

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document "BL-SZ1660087-AE.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document "BL-SZ1660087-AW.PDF"

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document "BL-SZ1660087-AI.PDF"

--END OF REPORT--