

FCC

EMC

TEST REPORT

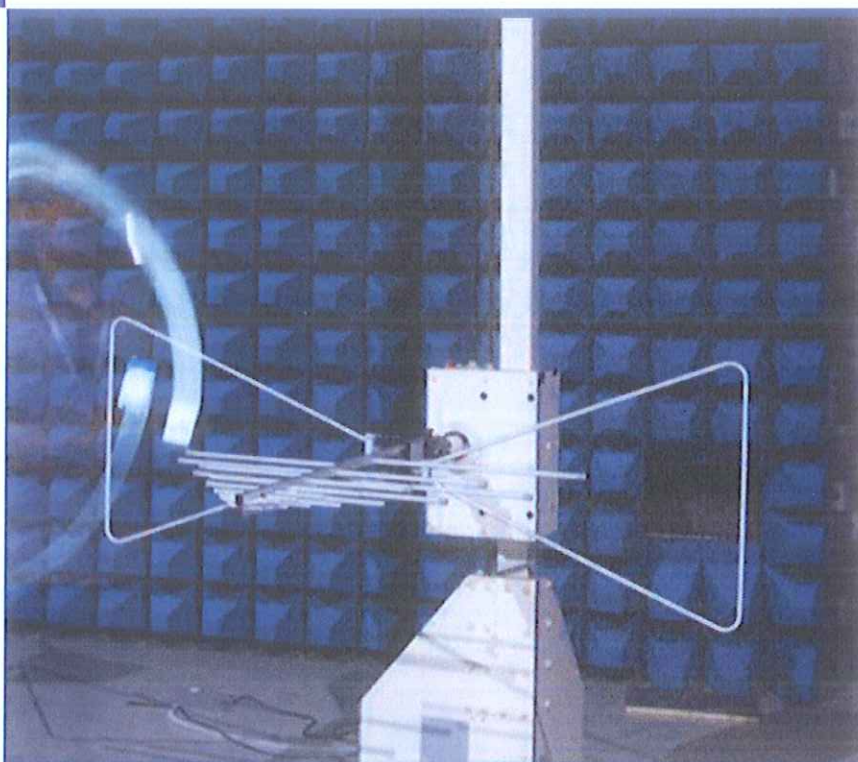
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
15.6" Android Terminal

ISSUED TO
Barco N.V.

President Kennedypark 35, Kortrijk 8500, Belgium



Tested by: Zhang Yanqing
Zhang Yanqing

(Engineer)

Date Nov. 17, 2016

Approved by: Wei Yanquan
Wei Yanquan

(Chief Engineer)

Date Nov. 17, 2016

Report No.: BL-SZ1690367-401

EUT Type: 15.6" Android Terminal

Model Name: PXP15

Brand Name: Barco

Test Standard: 47 CFR Part 15 Subpart B

FCC ID: SXE-PXP1501

Test Conclusion: Pass

Test Date: Oct. 24, 2016 ~ Oct. 31, 2016

Date of Issue: Nov. 17, 2016

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Nov. 17, 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	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory has been listed by US Federal Communications Commission to perform electromagnetic emission measurements. The recognition numbers of test site are 832625. 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.
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 v4.3.
- (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	Barco N.V.
Address	President Kennedypark 35, Kortrijk 8500, Belgium

2.2 Manufacturer Information

Manufacturer	Shenzhen Saintway Technology Co., Ltd.
Address	7F, Block 1, Yinjing Building, Liuxian 2nd Road, Bao'an 71st District, Shenzhen 518100 Guangdong, China

2.3 Factory Information

Factory	Shenzhen Saintway Technology Co., Ltd.
Address	7F, Block 1, Yinjing Building, Liuxian 2nd Road, Bao'an 71st District, Shenzhen 518100 Guangdong, China

2.4 General Description for Equipment under Test (EUT)

EUT Type	15.6" Android Terminal
Model Name Under Test	PXP15
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
The Highest Speed of Processor	N/A
Network and Wireless connectivity	Bluetooth, WIFI, NFC

2.5 Ancillary Equipment

Ancillary Equipment 1	Adapter	
	Brand Name	N/A
	Model No.	MDS-090AAS19 B
	Serial No.	N/A
	Rated Input	100-240 V~, 1.5-0.75 A, 50/60 Hz
	Rated Output	19 V=, 4.74 A
Ancillary Equipment 2	Power Line	
	Length (Approx.)	0.5 m
Ancillary Equipment 3	Remote Control	

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)	4.12 dB
Radiated emissions (30 MHz-1 GHz)	4.16 dB
Radiated emissions (1 GHz-18 GHz)	5.97 dB
Radiated emissions (18 GHz-40 GHz)	6.71 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&SCHW ARZ	ESRP	101036	2016.07.05	2017.07.04	☒
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2015.07.22	2017.07.21	☒
Test Antenna- Horn	SCHWARZBECK	BBHA 9120D	9120D-1148	2015.07.22	2017.07.21	☒
Test Antenna- Loop	SCHWARZBECK	FMZB 1519	1519-037	2015.07.22	2017.07.21	☐
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2015.02.28	2017.02.27	☒

Conducted disturbance Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2016.07.05	2017.07.04	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2016.07.05	2017.07.04	☒
Shielded Enclosure	ChangNing	CN-130701	130703	N/A	N/A	☒

4.3 Test Enclosure list

Description	Manufacturer	Model	Serial No.	Length	Description	Use
PC	N/A	N/A	N/A	N/A	Special Handled	☐
Laptop	Apple	A1465	N/A	N/A	N/A	☐
Printer	HP	DESKJET 1000	N/A	N/A	N/A	☐
Keyboard	Logitech	Y-BP62a	N/A	N/A	N/A	☐
Mouse	Logitech	M100	N/A	N/A	N/A	☐
USB disk	Kingston	N/A	N/A	N/A	N/A	☒
TF Card	Kingston	N/A	N/A	N/A	N/A	☐
VGA Cable	N/A	N/A	N/A	1.5 m	Shielded with core	☐
HDMI Cable	N/A	N/A	N/A	1.5 m	Shielded with core	☐
DVI Cable	N/A	N/A	N/A	1.5 m	Shielded with core	☐
Coaxial video cable	N/A	N/A	N/A	2.0 m	Shielded with core	☐
iPhone	Apple	A1586	N/A	N/A	N/A	☐
Phone	MI	M4	N/A	N/A	N/A	☐
Laptop	LENOVO	K29	N/A	N/A	N/A	☐
Bluetooth Earphone	SAMSUNG	Gear Circle	N/A	N/A	N/A	☐
GPS/GLONASS Vector signal generator	R&S	N5172B EXG	N/A	N/A	N/A	☐
WIFI Router	TP-LINK	TL-WDR7500	N/A	N/A	N/A	☐
Earphone	N/A	OPPO	N/A	1.1 m	N/A	☒
Car Battery	Camel	55530	N/A	N/A	12 V/55 Ah	☐
Artificial load	N/A	N/A	N/A	N/A	2.5 Ω /100 W	☐
Artificial load	N/A	N/A	N/A	N/A	5 Ω /100 W	☐
Electronic Load	ITECH	IT8511	N/A	N/A	N/A	☐
USB Cable	N/A	N/A	N/A	1.5 m	Shielded with core	☐
DC Power Supply	ITECH	IT6863A	N/A	N/A	N/A	☐
POE Power Supply	N/A	FJ-SW9614800 500AN	N/A	N/A	48V/0.5A	☒
RJ45 cable	N/A	N/A	N/A	N/A	N/A	☒
RJ11 cable	N/A	N/A	N/A	N/A	N/A	☒

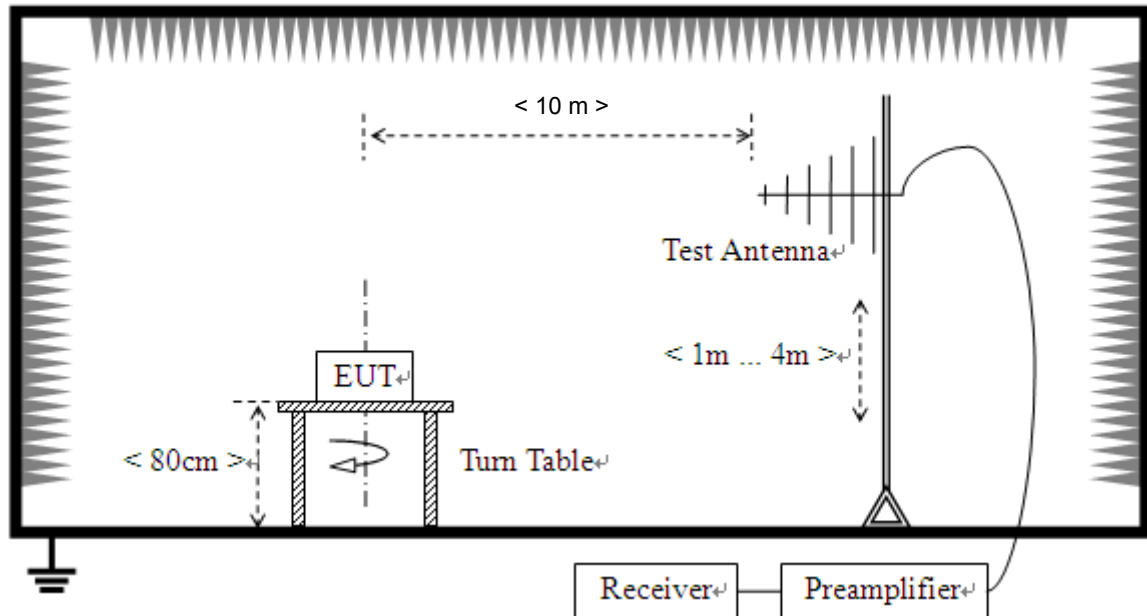
4.4 Test Configurations

Test Configurations (TC) No.	Description
TC01	<u>The Video Play Test Mode(adapter operated)</u> EUT + Adapter + Power Line + Remote Control + RJ45 Cable + RJ11 Cable + USB Disk + Earphone
TC02	<u>The Download Test Mode(adapter operated)</u> EUT + Adapter + Power Line + Remote Control + RJ45 Cable + RJ11 Cable + USB Disk + Earphone
TC03	<u>The Call Test Mode(adapter operated)</u> EUT + Adapter + Power Line + Remote Control + RJ45 Cable + RJ11 Cable + USB Disk + Earphone
TC04	<u>The Video Play Test Mode(PoE operated)</u> EUT + PoE Power Supply + Power Line + Remote Control + RJ45 Cable + RJ11 Cable + USB Disk + Earphone
TC05	<u>The Download Test Mode(PoE operated)</u> EUT + PoE Power Supply + Power Line + Remote Control + RJ45 Cable + RJ11 Cable + USB Disk + Earphone
TC06	<u>The Call Test Mode(PoE operated)</u> EUT + PoE Power Supply + Power Line + Remote Control + RJ45 Cable + RJ11 Cable + USB Disk + Earphone

Note: The EUT can use the adapter power supply and PoE power supply.

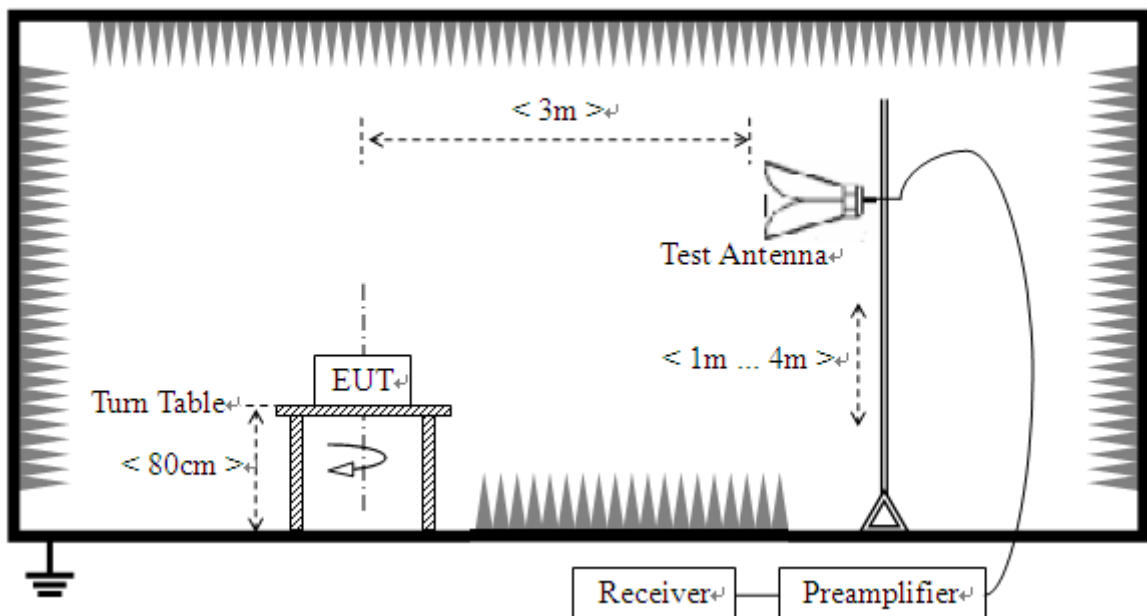
4.5 Test Setups

Test Setup 1



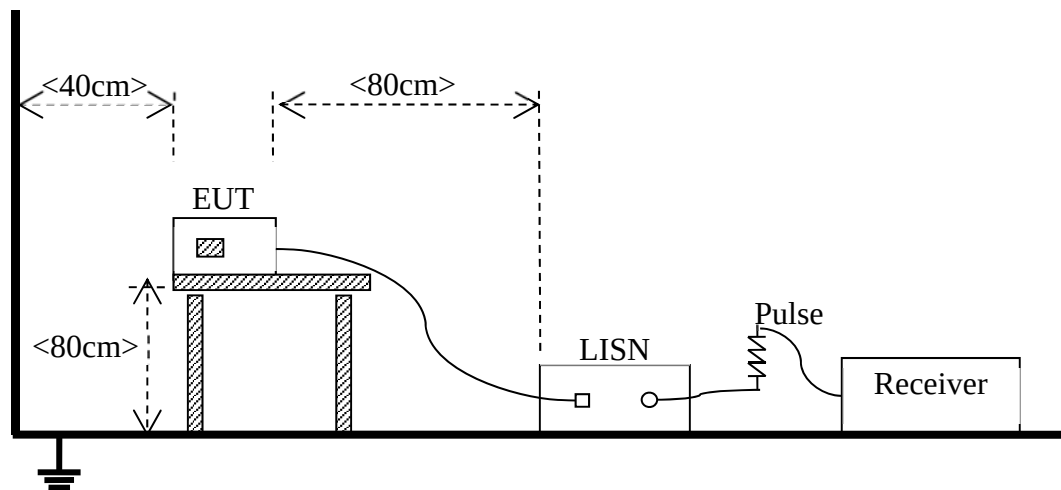
(For Radiated Emission Test (30 MHz-1 GHz))

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~TC06 ^{Note}
Conducted Emission, AC Ports	Test Env.	NTNV
	Test Setup	Test Setup 3
	Test Configuration	TC01~TC06 ^{Note}

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 Play Test Mode(adapter operated) 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 ($\mu\text{V/m}$)	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

- 1) Field Strength ($\text{dB}\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 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 $\text{dB}\mu\text{V/m}@3\text{ m}$ (AV) and 74 $\text{dB}\mu\text{V/m}@3\text{ m}$ (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 μ 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 Ω /50 μ 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.

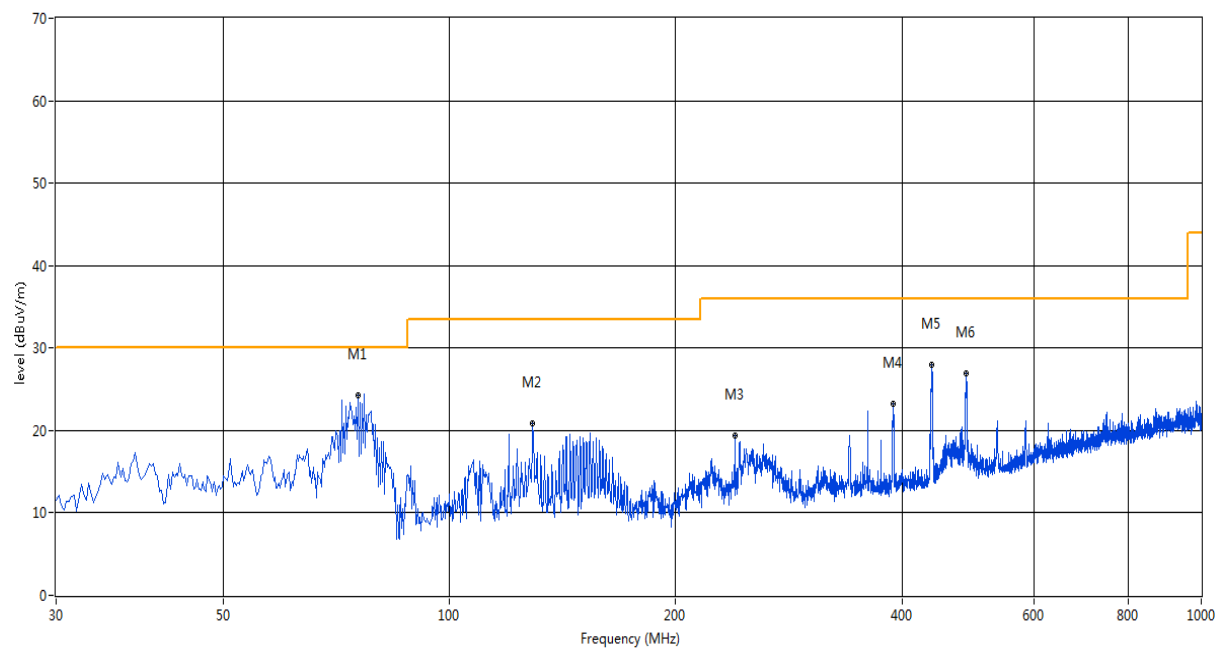
Note 3: The test data below 1GHz at 10m measurement distance, the test data above 1GHz at 3m measurement distance

Test Data and Plots

The worst test mode: Video Play Test Mode(adapter operated)

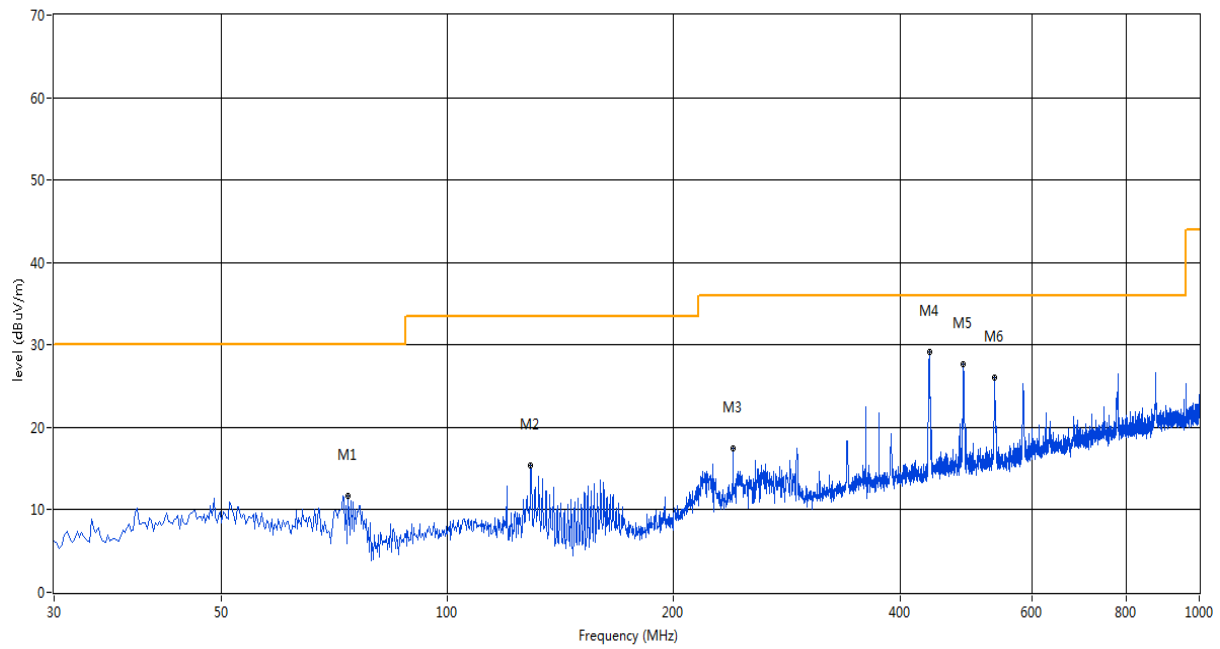
A.1.1 Test Antenna Vertical, 30 MHz – 1 GHz

RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz(PA+Cable)



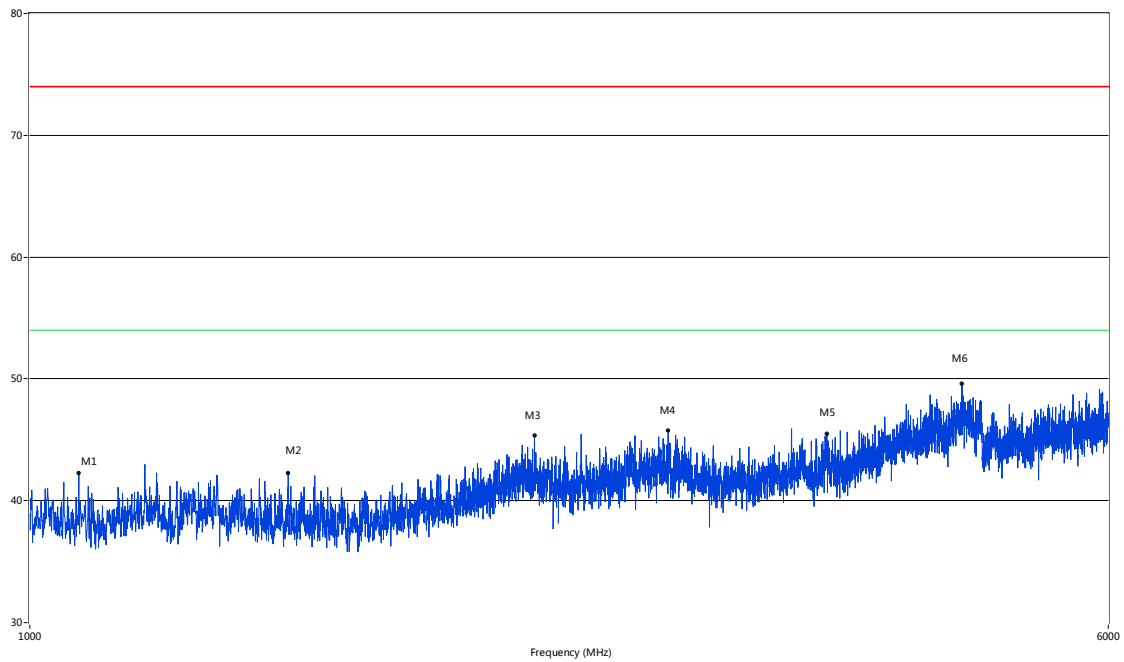
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
75.590	24.25	--	--	-19.83	--	30.0	--	5.75	270.00	100	Vertical	Pass
129.182	20.85	--	--	-19.19	--	33.5	--	12.65	13.00	100	Vertical	Pass
240.005	19.34	--	--	-14.83	--	36.0	--	16.66	171.00	100	Vertical	Pass
389.385	23.18	--	--	-11.07	--	36.0	--	12.82	335.00	100	Vertical	Pass
438.127	28.00	--	--	-10.27	--	36.0	--	8.00	113.00	100	Vertical	Pass
486.385	26.90	--	--	-9.43	--	36.0	--	9.10	229.00	100	Vertical	Pass

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



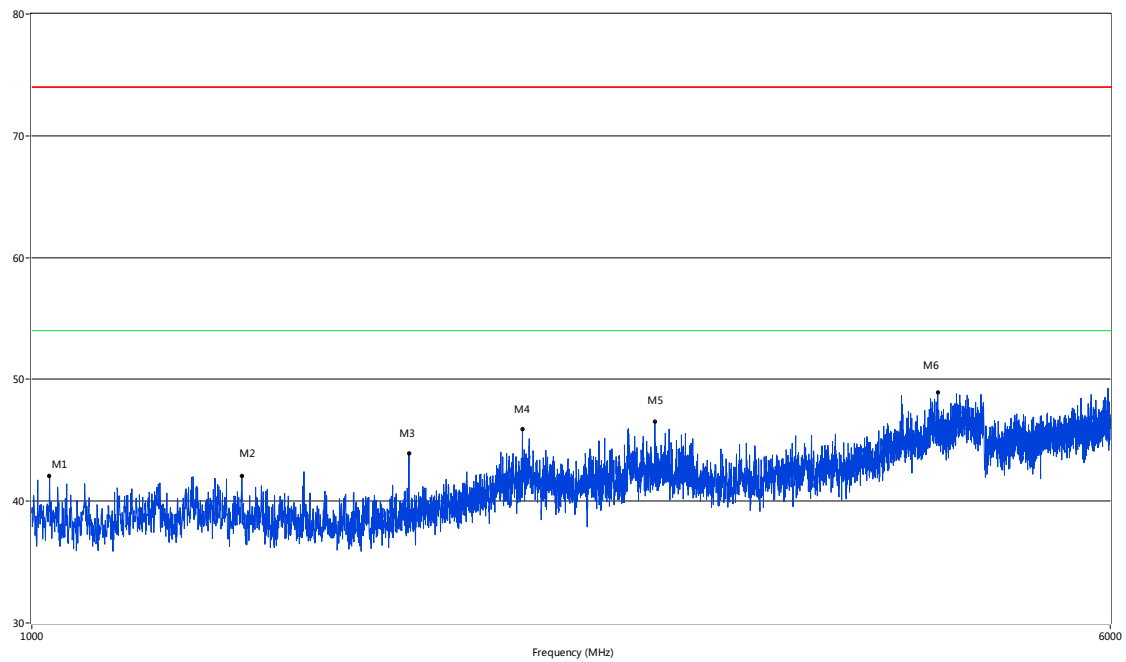
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
73.893	11.70	--	--	-19.67	--	30.0	--	18.30	333.00	100	Horizontal	Pass
129.182	15.38	--	--	-19.19	--	33.5	--	18.12	305.00	100	Horizontal	Pass
240.005	17.41	--	--	-14.83	--	36.0	--	18.59	234.00	100	Horizontal	Pass
437.400	29.15	--	--	-10.34	--	36.0	--	6.85	28.00	100	Horizontal	Pass
485.172	27.63	--	--	-9.58	--	36.0	--	8.37	69.00	100	Horizontal	Pass
534.400	26.04	--	--	-8.31	--	36.0	--	9.96	326.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1084.979	42.31	-4.26	74.0	31.69	Peak	292.00	100	Vertical	Pass
2	1536.366	42.25	-2.59	74.0	31.75	Peak	191.20	100	Vertical	Pass
3	2312.672	45.33	1.74	74.0	28.67	Peak	271.00	100	Vertical	Pass
4	2888.528	45.77	3.21	74.0	28.23	Peak	173.10	100	Vertical	Pass
5	3759.560	45.47	9.42	74.0	28.53	Peak	314.50	100	Vertical	Pass
6	4706.573	49.64	12.38	74.0	24.36	Peak	104.70	100	Vertical	Pass

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

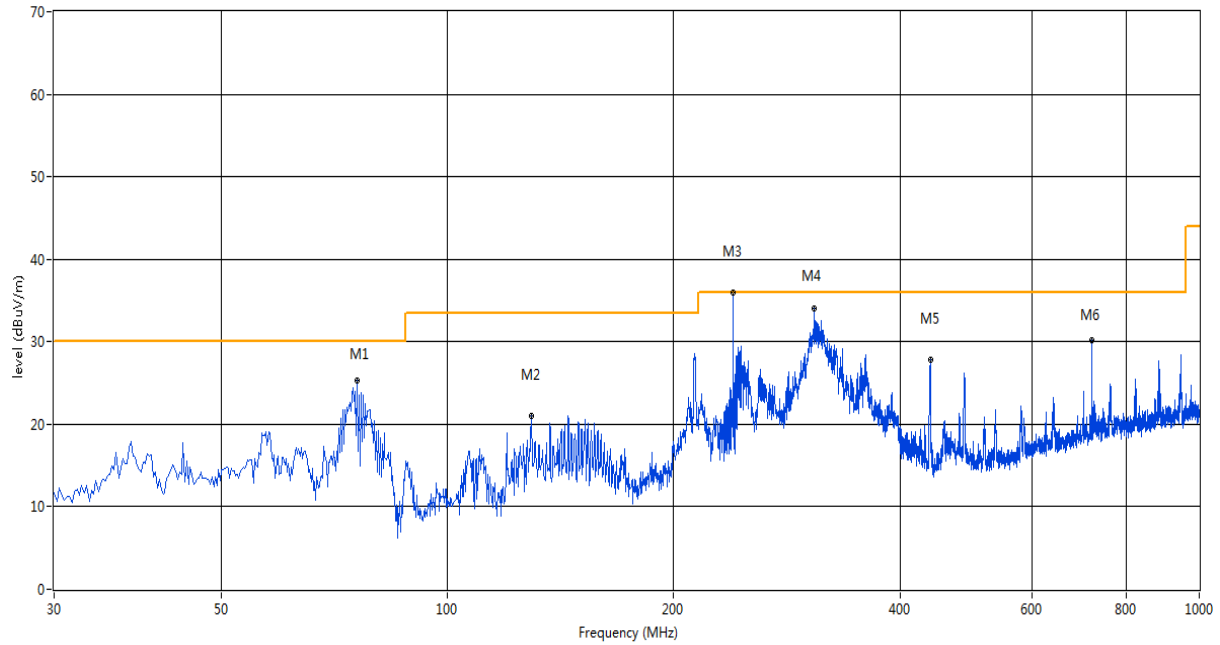


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1029.993	42.07	-4.81	74.0	31.93	Peak	287.30	100	Horizontal	Pass
2	1417.896	42.09	-1.92	74.0	31.91	Peak	317.60	100	Horizontal	Pass
3	1871.282	43.92	-0.88	74.0	30.08	Peak	71.60	100	Horizontal	Pass
4	2259.685	45.88	1.81	74.0	28.12	Peak	83.80	100	Horizontal	Pass
5	2816.046	46.51	3.36	74.0	27.49	Peak	156.90	100	Horizontal	Pass
6	4504.874	48.96	12.18	74.0	25.04	Peak	53.10	100	Horizontal	Pass

Test Data and Plots

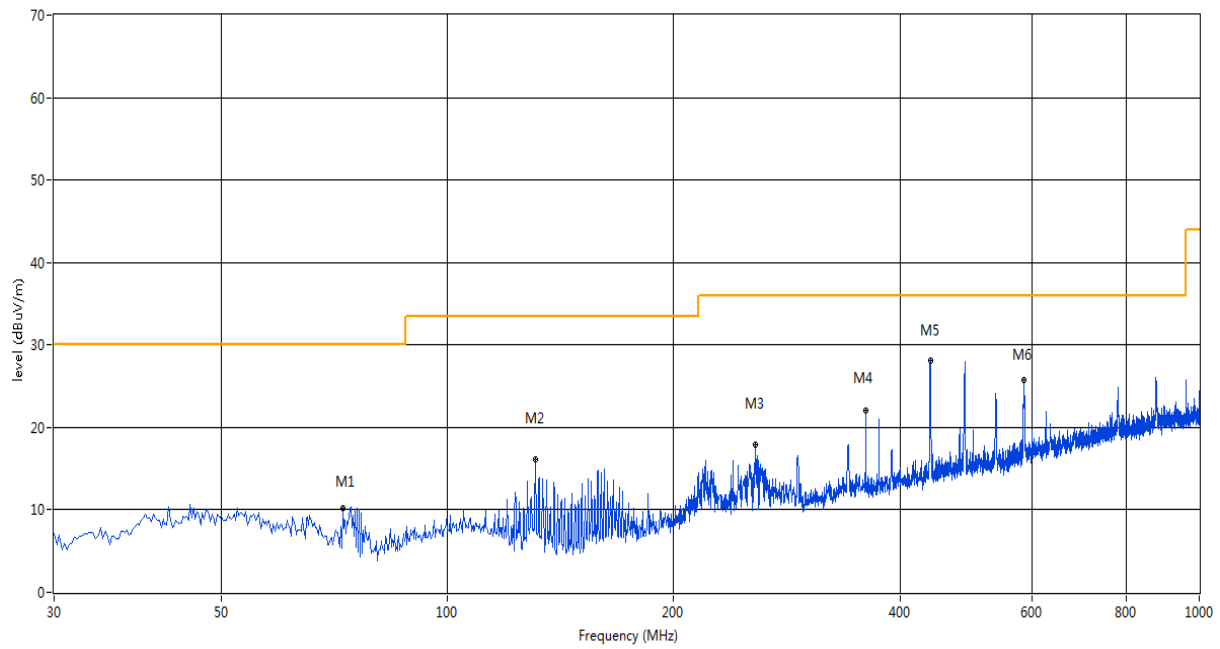
Download Test Mode(adapter operated)

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



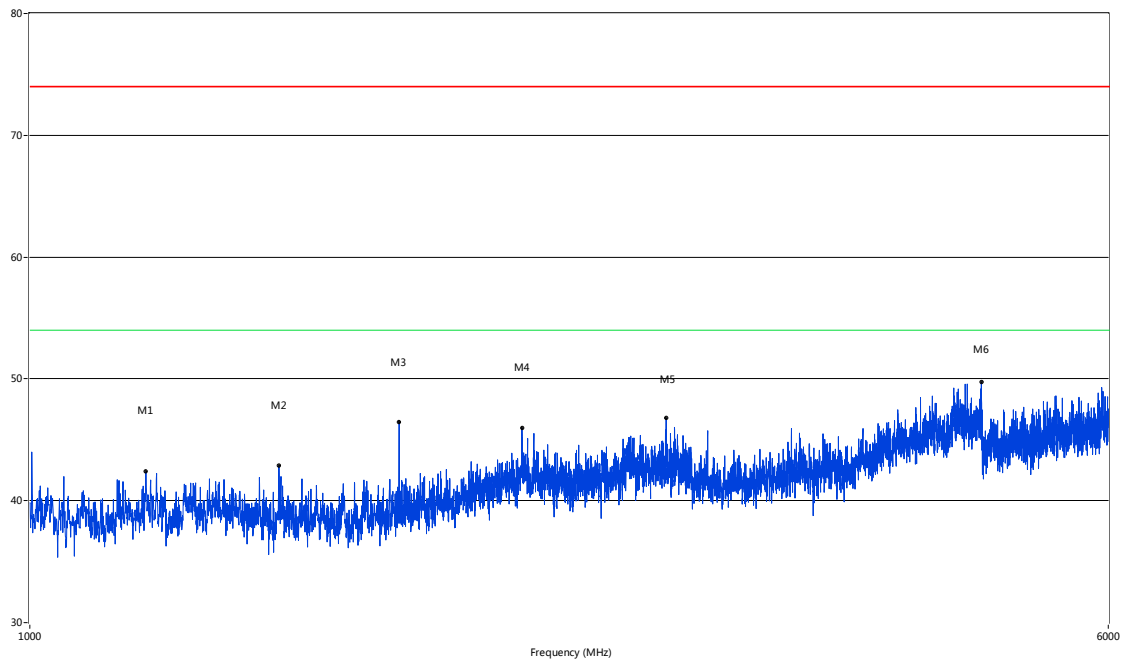
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
75.832	25.23	--	--	-19.84	--	30.0	--	4.77	275.00	100	Vertical	Pass
129.425	21.01	--	--	-19.19	--	33.5	--	12.49	5.00	100	Vertical	Pass
240.005	35.92	32.88	--	-14.83	--	36.0	--	3.12	66.00	100	Vertical	Pass
307.905	34.09	31.25	--	-13.19	--	36.0	--	4.75	337.00	100	Vertical	Pass
438.855	27.82	--	--	-10.27	--	36.0	--	8.18	145.00	100	Vertical	Pass
719.670	30.18	--	--	-5.31	--	36.0	--	5.82	63.00	100	Vertical	Pass

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



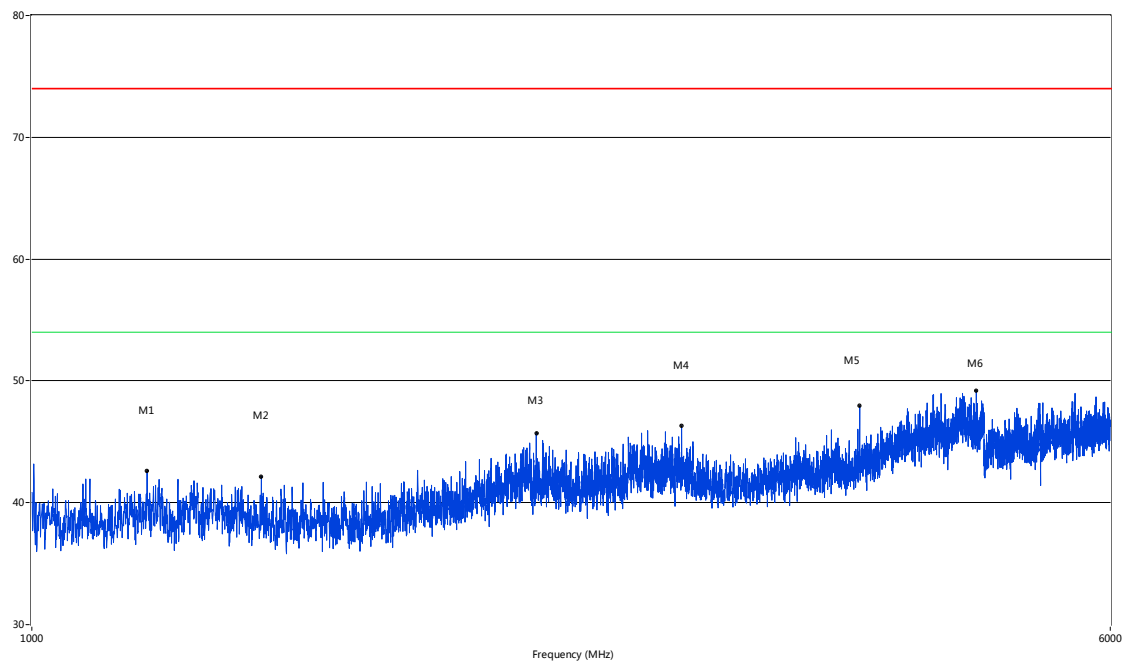
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
72.680	10.18	--	--	-19.23	--	30.0	--	19.82	360.00	100	Horizontal	Pass
130.880	16.15	--	--	-19.41	--	33.5	--	17.35	277.00	100	Horizontal	Pass
256.980	17.86	--	--	-14.32	--	36.0	--	18.14	236.00	100	Horizontal	Pass
360.042	22.02	--	--	-11.70	--	36.0	--	13.98	355.00	100	Horizontal	Pass
438.855	28.18	--	--	-10.27	--	36.0	--	7.82	13.00	100	Horizontal	Pass
584.113	25.81	--	--	-7.43	--	36.0	--	10.19	88.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1212.947	42.39	-2.39	74.0	31.61	Peak	22.40	100	Vertical	Pass
2	1512.872	42.86	-1.84	74.0	31.14	Peak	19.20	100	Vertical	Pass
3	1847.288	46.43	-1.70	74.0	27.57	Peak	259.20	100	Vertical	Pass
4	2265.184	45.96	1.81	74.0	28.04	Peak	192.70	100	Vertical	Pass
5	2878.530	46.77	3.78	74.0	27.23	Peak	192.70	100	Vertical	Pass
6	4860.285	49.75	12.51	74.0	24.25	Peak	219.30	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1211.447	42.59	-3.15	74.0	31.41	Peak	185.70	100	Horizontal	Pass
2	1464.384	42.16	-1.29	74.0	31.84	Peak	297.50	100	Horizontal	Pass
3	2312.172	45.71	1.90	74.0	28.29	Peak	185.70	100	Horizontal	Pass
4	2944.014	46.31	4.48	74.0	27.69	Peak	194.80	100	Horizontal	Pass
5	3957.511	47.97	9.53	74.0	26.03	Peak	209.40	100	Horizontal	Pass
6	4804.049	49.21	12.77	74.0	24.79	Peak	160.50	100	Horizontal	Pass

A.2 Conducted Emission

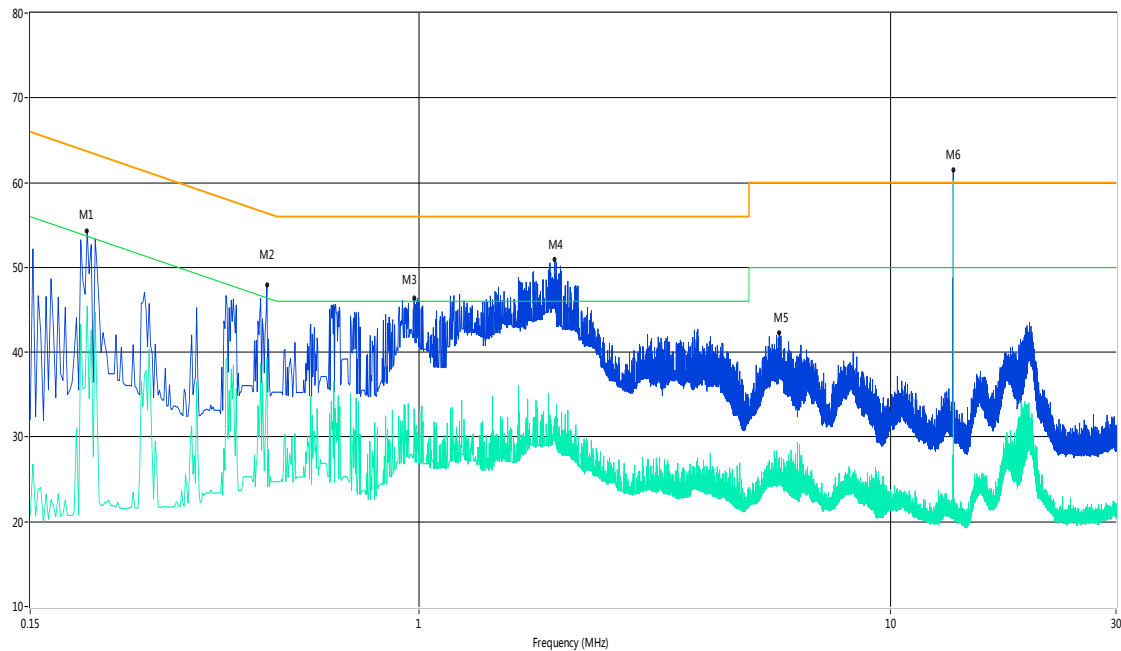
Test Data and Plots

The worst test mode: The Video Play Test Mode(adapter operated)

Note 1: 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. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

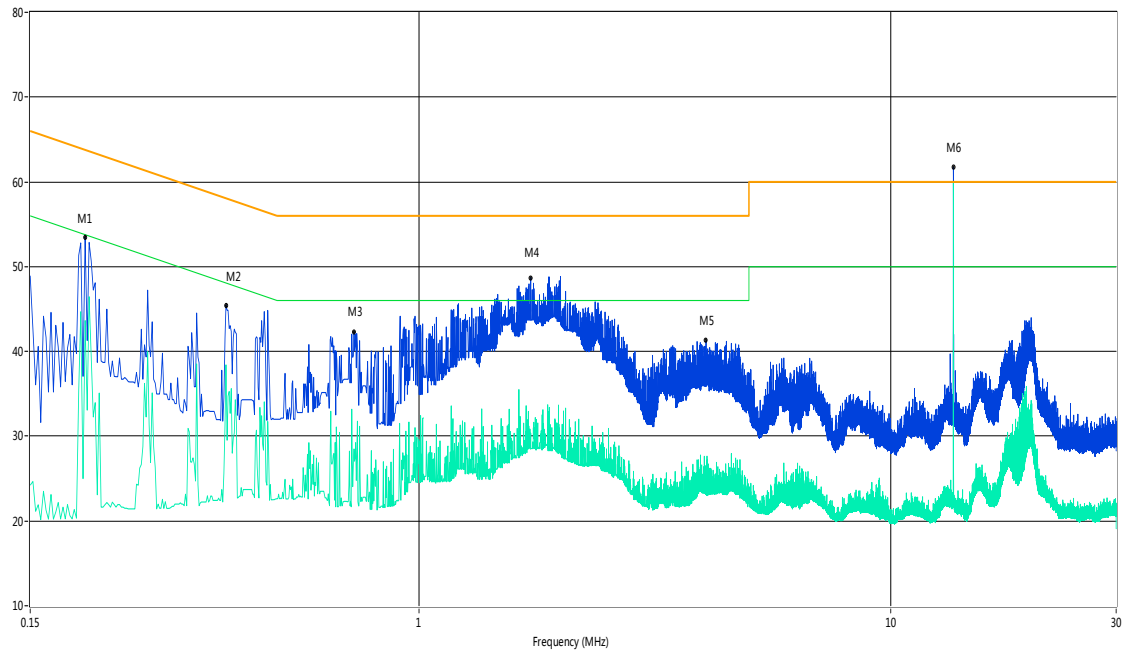
Note 2: This frequency which near 13.56 MHz with circle should be ignored because they are NFC signal.

A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.20	54.4	11.00	64.6	10.20	Peak	L Line	Pass
1**	0.20	45.5	11.00	54.6	9.10	AV	L Line	Pass
2	0.48	47.9	11.00	56.7	8.80	Peak	L Line	Pass
2**	0.48	39.3	11.00	46.7	7.40	AV	L Line	Pass
3	0.98	46.4	11.00	56.0	9.60	Peak	L Line	Pass
3**	0.98	33.3	11.00	46.0	12.70	AV	L Line	Pass
4	1.94	51.0	11.00	56.0	5.00	Peak	L Line	Pass
4**	1.94	32.2	11.00	46.0	13.80	AV	L Line	Pass
5	5.80	42.3	11.00	60.0	17.70	Peak	L Line	Pass
5**	5.80	27.6	11.00	50.0	22.40	AV	L Line	Pass
6	13.56	61.5	11.00	60.0	-1.50	Peak	L Line	N/A
6**	13.56	60.3	11.00	50.0	-10.30	AV	L Line	N/A

A.2.2 N Phase

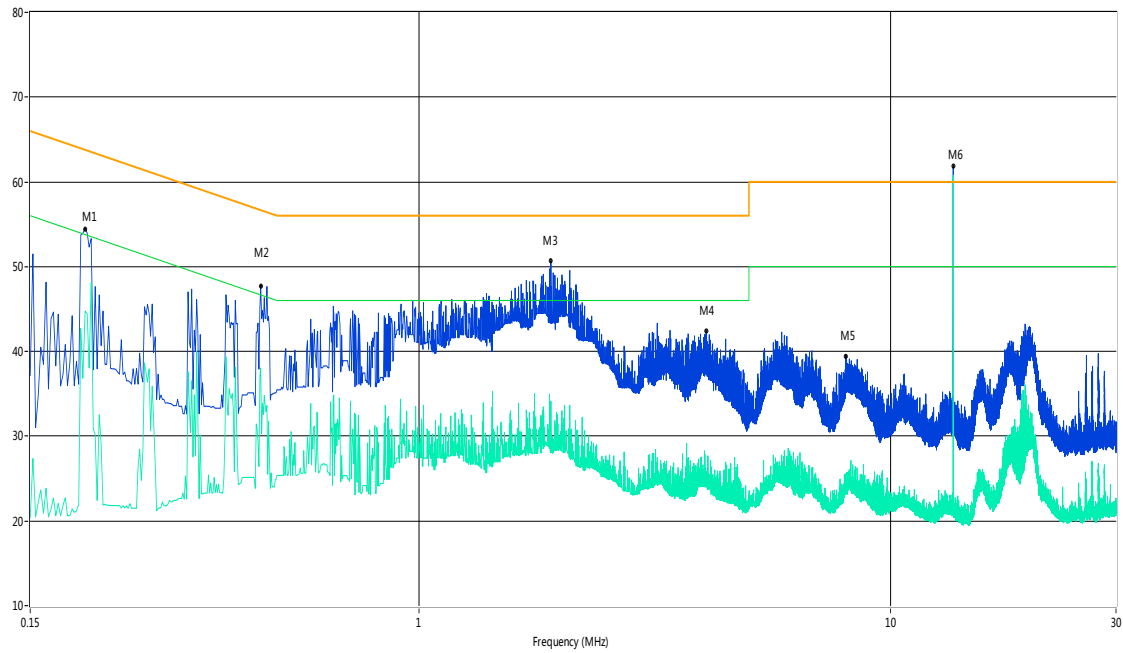


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.20	53.5	11.00	64.7	11.20	Peak	N Line	Pass
1**	0.20	43.7	11.00	54.7	11.00	AV	N Line	Pass
2	0.39	45.5	11.00	59.1	13.60	Peak	N Line	Pass
2**	0.39	38.4	11.00	49.1	10.70	AV	N Line	Pass
3	0.73	42.3	11.00	56.0	13.70	Peak	N Line	Pass
3**	0.73	28.5	11.00	46.0	17.50	AV	N Line	Pass
4	1.72	48.7	11.00	56.0	7.30	Peak	N Line	Pass
4**	1.72	30.4	11.00	46.0	15.60	AV	N Line	Pass
5	4.05	41.3	11.00	56.0	14.70	Peak	N Line	Pass
5**	4.05	24.5	11.00	46.0	21.50	AV	N Line	Pass
6	13.56	61.8	11.00	60.0	-1.80	Peak	N Line	N/A
6**	13.56	60.0	11.00	50.0	-10.00	AV	N Line	N/A

Test Data and Plots

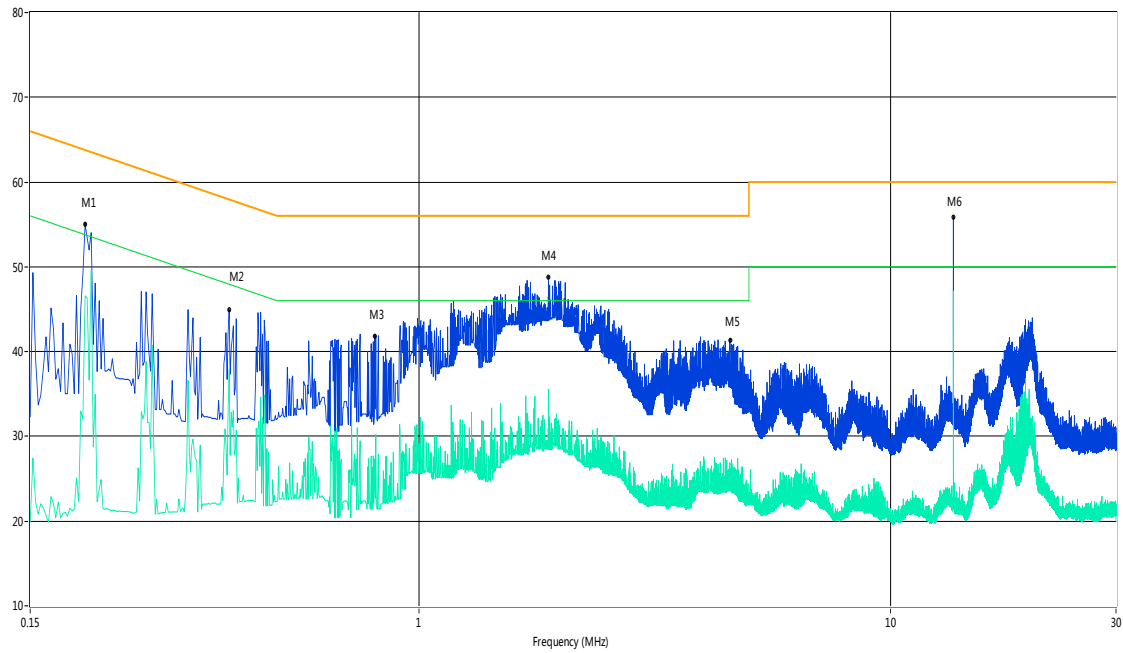
Download Test Mode(adapter operated)

A.2.3 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.20	54.5	11.00	64.7	10.20	Peak	L Line	Pass
1**	0.20	44.8	11.00	54.7	9.90	AV	L Line	Pass
2	0.46	47.7	11.00	57.1	9.40	Peak	L Line	Pass
2**	0.46	38.0	11.00	47.1	9.10	AV	L Line	Pass
3	1.90	50.7	11.00	56.0	5.30	Peak	L Line	Pass
3**	1.90	34.1	11.00	46.0	11.90	AV	L Line	Pass
4	4.06	42.4	11.00	56.0	13.60	Peak	L Line	Pass
4**	4.06	25.8	11.00	46.0	20.20	AV	L Line	Pass
5	8.03	39.4	11.00	60.0	20.60	Peak	L Line	Pass
5**	8.03	25.0	11.00	50.0	25.00	AV	L Line	Pass
6	13.56	61.8	11.00	60.0	-1.80	Peak	L Line	N/A
6**	13.56	60.8	11.00	50.0	-10.80	AV	L Line	N/A

A.2.4 N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.20	55.0	11.00	64.7	9.70	Peak	N Line	Pass
1**	0.20	46.6	11.00	54.7	8.10	AV	N Line	Pass
2	0.40	44.9	11.00	59.0	14.10	Peak	N Line	Pass
2**	0.40	37.8	11.00	49.0	11.20	AV	N Line	Pass
3	0.81	41.8	11.00	56.0	14.20	Peak	N Line	Pass
3**	0.81	27.3	11.00	46.0	18.70	AV	N Line	Pass
4	1.88	48.8	11.00	56.0	7.20	Peak	N Line	Pass
4**	1.88	35.6	11.00	46.0	10.40	AV	N Line	Pass
5	4.56	41.4	11.00	56.0	14.60	Peak	N Line	Pass
5**	4.56	26.9	11.00	46.0	19.10	AV	N Line	Pass
6	13.56	55.8	11.00	60.0	4.20	Peak	N Line	N/A
6**	13.56	46.4	11.00	50.0	3.60	AV	N Line	N/A

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ1690367-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ1690367-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ1690367-AI.PDF”.

--END OF REPORT--