

FCC

EMC

TEST REPORT

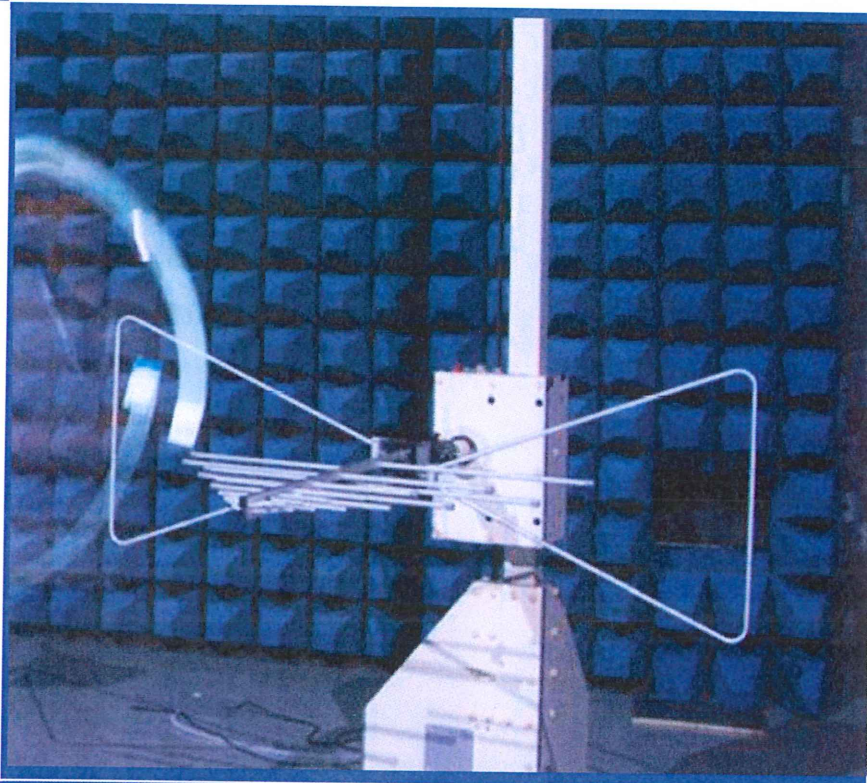
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
OTE950

ISSUED TO
GN Audio A/S

Lautrupbjerg 7, 2750 Ballerup, Denmark



Tested by: Xia Long
Xia Long

(Engineer)
Date Sep. 05, 2018

Approved by: Wei Yanguan
Wei Yanguan
(Chief Engineer)

Date Sep. 05, 2018



Report No.: BL-SZ1860071-401
EUT Name: OTE950
Model Name: OTE950
Brand Name: Blueparrott
Test Standard: 47 CFR Part 15 Subpart B

Test Conclusion: Pass
Test Date: Jun. 28, 2018 ~ Sep. 04, 2018
Date of Issue: Sep. 05, 2018

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jul. 25, 2018</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 05, 2018</u>	<u>Added the USB test mode in section 4.4</u> <u>Test Configurations and data in ANNEX A</u> <u>TEST RESULTS.</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 is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory is a testing organization accredited by American Association for Laboratory Accreditation(A2LA) according to ISO/IEC 17025.The accreditation certificate is 4344.01. 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 to 25°C
Ambient Relative Humidity	45% to 55%
Ambient Pressure	100 kPa to 102 kPa

1.4 Announce

- (1) The test report refer to the BALUN report mode v6.6.
- (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	GN Audio A/S
Address	Lautrupbjerg 7, 2750 Ballerup, Denmark

2.2 Manufacturer Information

Manufacturer	GN Audio A/S
Address	Lautrupbjerg 7, 2750 Ballerup, Denmark

2.3 Factory Information

Factory	VTech (Dongguan) Telecommunications Limited
Address	Xia Ling Bei Management Zone, Liao Bu District, Dongguan, Guangdong. P.R China, Postcode: 523411

2.4 General Description for Equipment under Test (EUT)

EUT Name	OTE950
Model Name Under Test	OTE950
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	1.00
Software Version	1.02
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	PL602030
	Serial No.	N/A
	Capacity	300 mAh
	Rated Voltage	3.7 V
	Limit Charge Voltage	4.2 V
Ancillary Equipment 2	USB Cable	
	Length (Approx.)	1.2 m

2.6 Technical Information

Network and Wireless connectivity	Bluetooth, NFC
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3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	FCC 47 CFR Part 15 Subpart B (10-1-16 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)	4.30 dB
Radiated emissions (1 GHz-18 GHz)	4.81 dB
Radiated emissions (18 GHz-40 GHz)	5.71 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 to 25°C	DC 3.7 V from Battery or DC 5 V from Laptop	50% to 55%	100 kPa to 102 kPa

4.2 Test Equipment List

Radiated Emission Test For Frequency Below 1 GHz						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWA RZ	ESRP	101036	2018.06.13.	2019.06.12	☒
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9163	9163-977	2017.07.22	2019.07.21	☒
Test Antenna- Horn	SCHWARZBECK	BBHA 9120D	9120D-1600	2016.07.12	2018.07.11	☐
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2019.02.20	☒

Radiated Emission Test For Frequency Above 1 GHz						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2017.11.08	2018.11.07	☒
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2017.07.22	2019.07.21	☐
Test Antenna- Horn	SCHWARZBECK	BBHA 9120D	9120D-1148	2018.07.11	2019.07.10	☒
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2019.02.20	☒

Conducted Emission Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWA RZ	ESRP	101036	2018.06.13.	2019.06.12	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2018.06.13.	2019.06.12	☒
LISN	SCHWARZBECK	NNLK 8129	8129-462	2017.11.08	2018.11.07	☐
AMN	SCHWARZBECK	NNBM8124	8124-509	2018.06.13.	2019.06.12	☐
AMN	SCHWARZBECK	NNBM8124	8124-510	2018.06.13.	2019.06.12	☐
ISN	TESEQ	ISN T800	34449	2017.12.05	2018.12.04	☐
Shielded Enclosure	ChangNing	CN-130701	130703	N/A	N/A	☒

4.3 Test Enclosure list

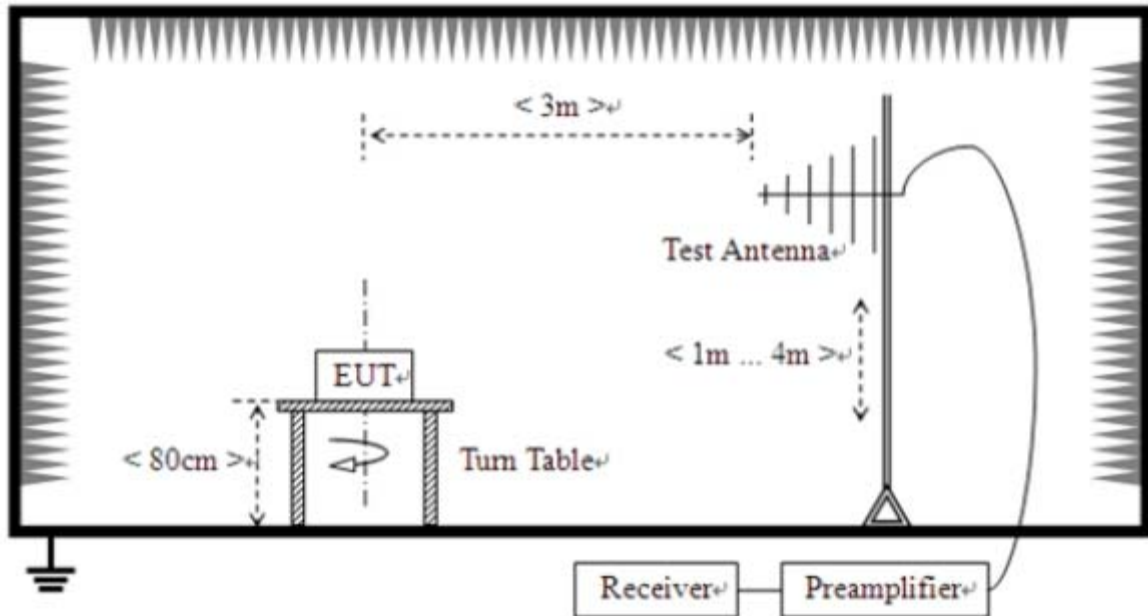
Description	Manufacturer	Model	Serial No.	Length	Description	Use
PC	Dell	015K3N	N/A	N/A	Special Handled	☐
Laptop	Apple	A1465	N/A	N/A	N/A	☒
Printer	HP	DESKJET 1000	N/A	N/A	N/A	☒
Keyboard	Logitech	Y-BP62a	N/A	N/A	N/A	☒
Mouse	Logitech	M100	N/A	N/A	N/A	☒
USB disk	Kingston	N/A	N/A	N/A	N/A	☐
TF Card	Kingston	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	☒
Bluetooth Earphone	SAMSUNG	Gear Circle	N/A	N/A	N/A	☐
Wireless Communication s Test Set	R&S	CMW500	142028	N/A	Cal. Due 2018.06.11	☐
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	60001401068 7210006	N/A	N/A	☐
LCD Monitor	SAMSUNG	UA32C4000P	N/A	N/A	N/A	☐
LCD Monitor	Dell	U241HB	N/A	N/A	N/A	☐
RJ45 Cable	N/A	N/A	N/A	1.5 m	Shielded with core	☐
Display Screen	N/A	N/A	N/A	N/A	N/A	☒
Computer	N/A	N/A	N/A	N/A	N/A	☒

4.4 Test Configurations

Test Configurations (TC) No.	Description
TC01	<u>The BT Audio Play Test Mode</u> EUT + Battery + Phone + BT Link
TC02	<u>The Charging Test Mode</u> EUT + Battery + USB Cable + Laptop
TC03	<u>The NFC Test Mode</u> EUT + Battery + Phone + NFC Link
TC04	<u>The USB Test Mode</u> EUT+USB Cable + Battery + Mouse + Keyboard + Computer + Display Screen + Printer

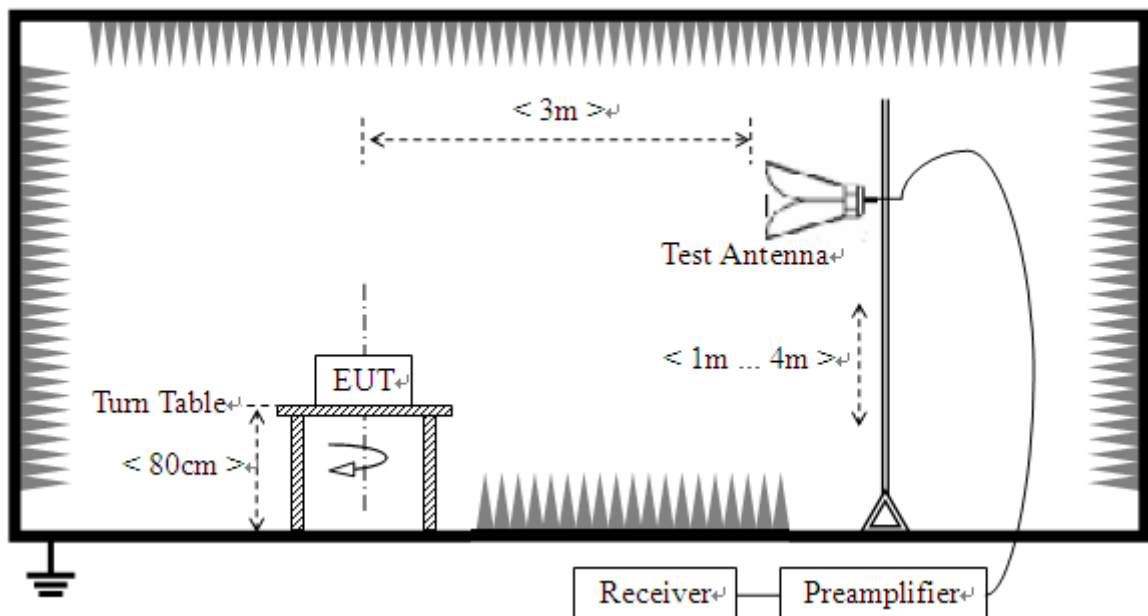
4.5 Test Setups

Test Setup 1



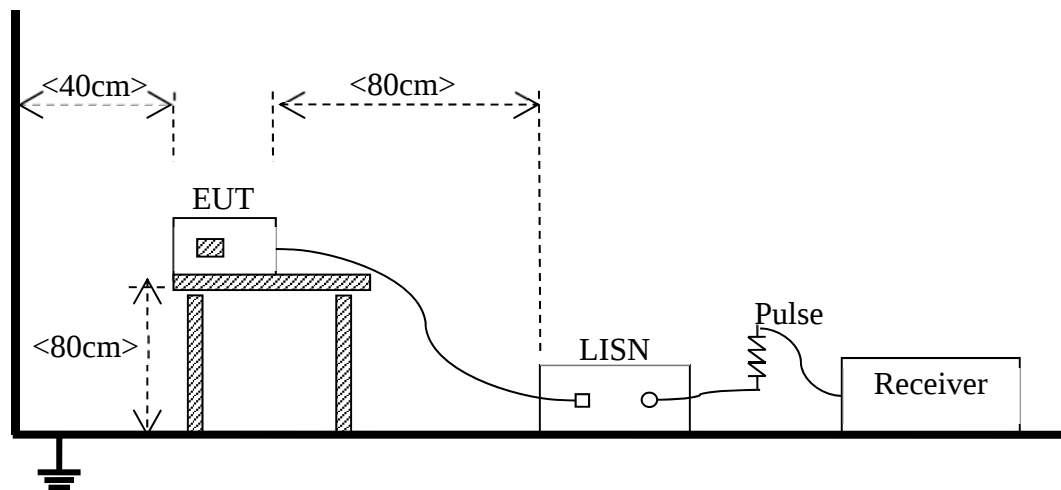
(For Radiated Emission Test (30 MHz-1 GHz))

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~TC4 ^{Note}
Conducted Emission, AC Ports	Test Env.	NTNV
	Test Setup	Test Setup 3
	Test Configuration	TC01~TC04 ^{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 BT Audio Play Test Mode and The USB Test Mode are the worst modes in this report.		

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

Frequency range (MHz)	Class B (at 3 m)		Class B (at 10 m)	Class A (at 10 m)	
	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)
30 - 88	100	40	30	90	39
88 - 216	150	43.5	33.5	150	43.5
216 - 960	200	46	36	210	46.4
Above 960	500	54	44	300	49.5

NOTE:

- 1) Field Strength (dB $\mu\text{V/m}$) = $20 \cdot \log$ [Field Strength ($\mu\text{V/m}$)].
- 2) In the emission tables above, the tighter limit applies at the band edges.

5.1.1.2 Test Setup

Refer to 4.5 section (test setup 1 to test setup 2) 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)	Class A	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	79	66
0.50 - 30	73	60

Frequency range (MHz)	Class B	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) 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.

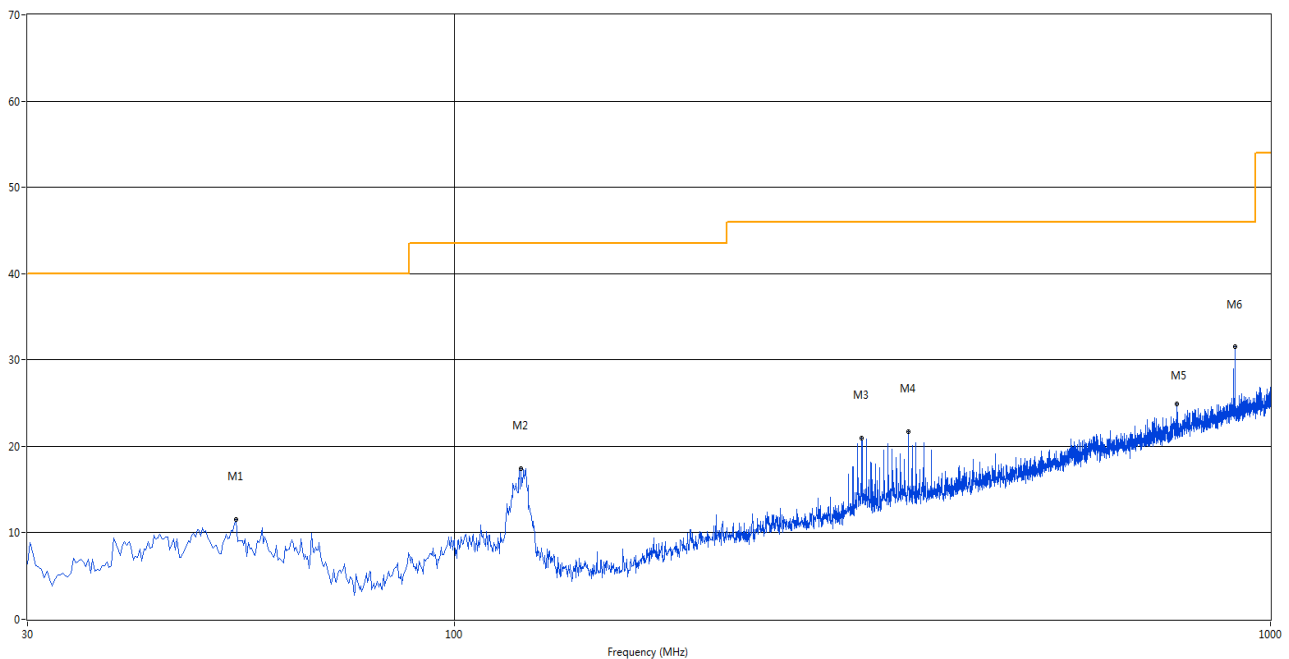
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The marked spikes near 2400 MHz with circle should be ignored because they are Bluetooth carrier frequency.

Test Data and Plots

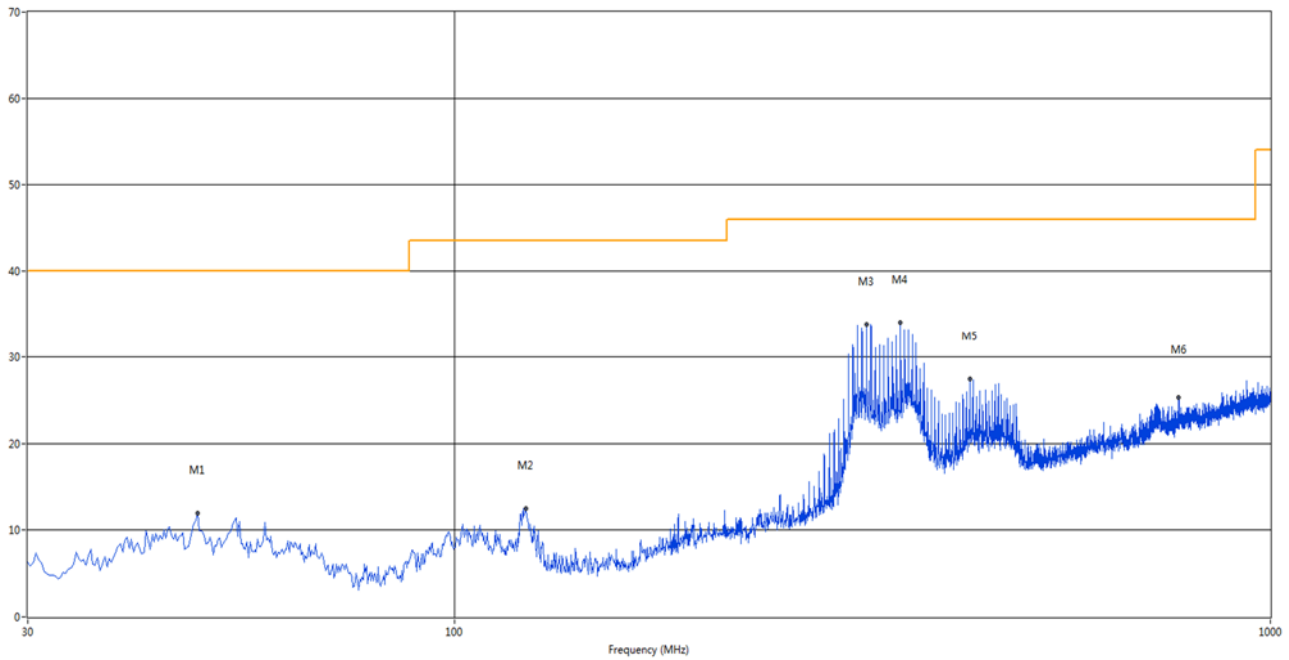
The BT Audio Play Test Mode

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



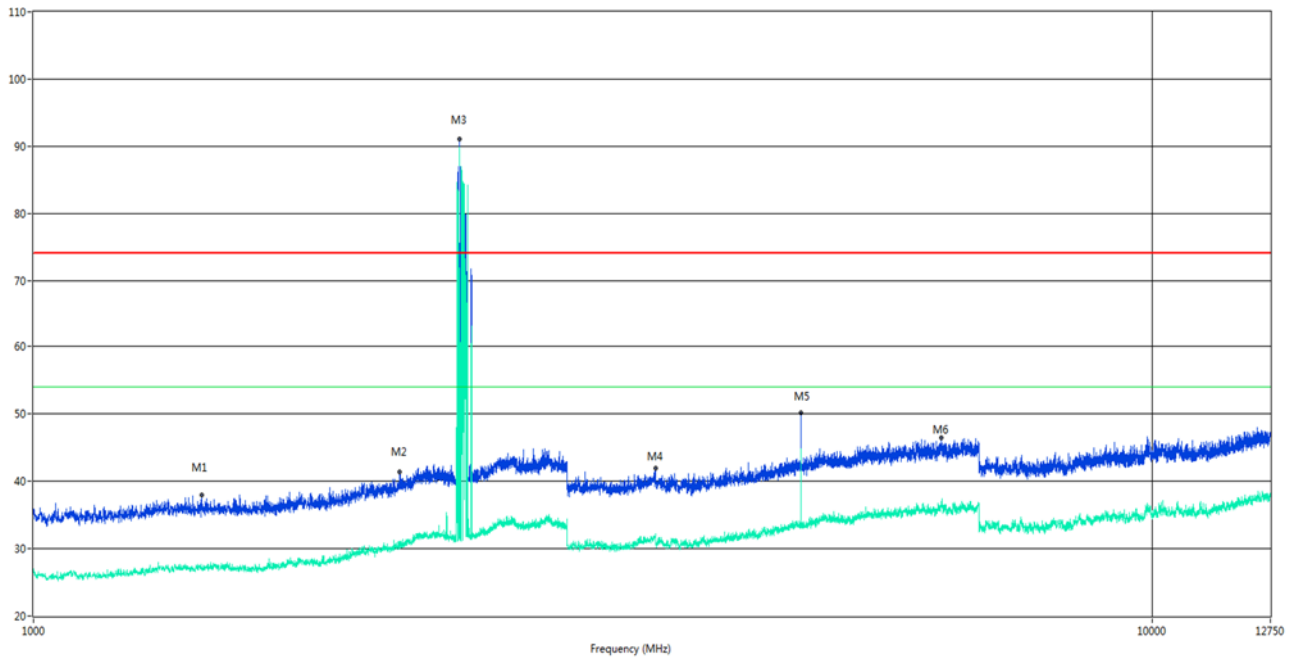
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	54.008	11.51	-23.13	40.0	28.49	Peak	34.40	100	Vertical	Pass
2	120.695	17.44	-26.56	43.5	26.06	Peak	337.90	100	Vertical	Pass
3	315.907	20.92	-21.34	46.0	25.08	Peak	132.90	100	Vertical	Pass
4	360.042	21.70	-19.63	46.0	24.30	Peak	221.90	100	Vertical	Pass
5	768.170	24.81	-11.39	46.0	21.19	Peak	141.50	100	Vertical	Pass
6	905.425	31.49	-9.05	46.0	14.51	Peak	226.50	100	Vertical	Pass

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



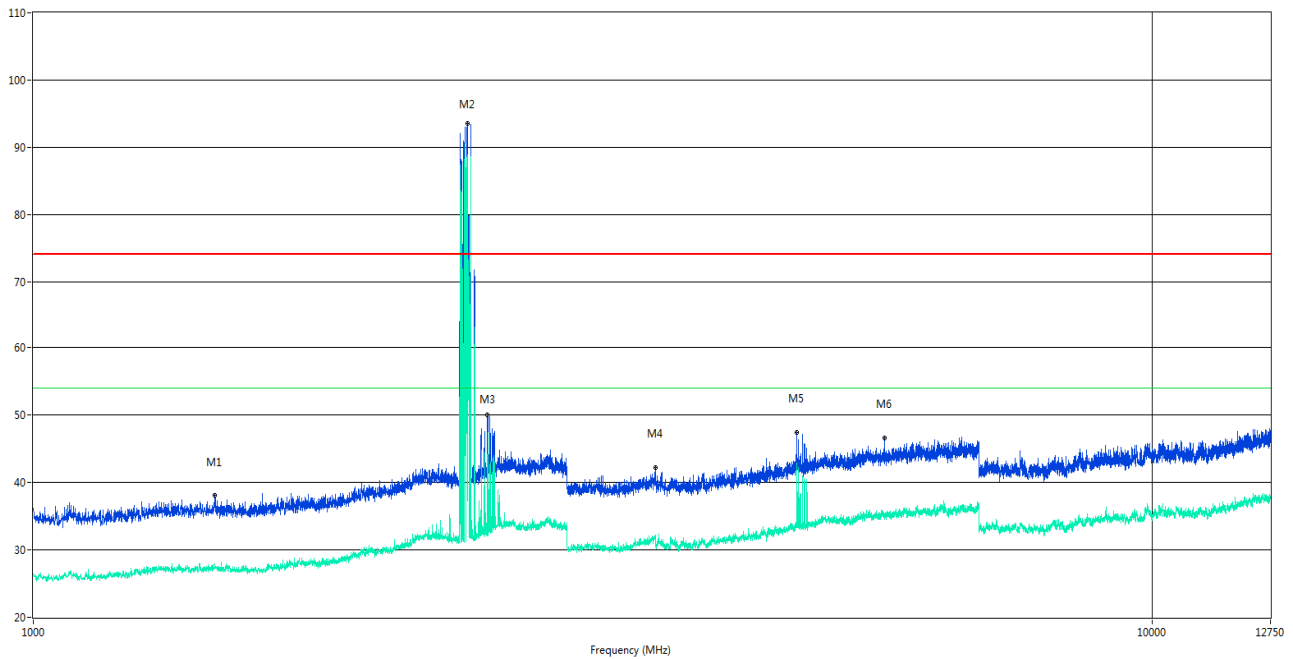
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	48.430	12.00	-23.20	40.0	28.00	Peak	326.60	100	Horizontal	Pass
2	122.393	12.53	-26.56	43.5	30.97	Peak	0.00	100	Horizontal	Pass
3	320.030	33.81	-21.00	46.0	12.19	Peak	3.80	100	Horizontal	Pass
4	352.040	34.06	-19.60	46.0	11.94	Peak	27.60	100	Horizontal	Pass
5	427.942	27.43	-17.90	46.0	18.57	Peak	313.20	100	Horizontal	Pass
6	772.292	25.26	-11.41	46.0	20.74	Peak	89.30	100	Horizontal	Pass

A.1.3 Test Antenna Vertical, 1 GHz – 12.75 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1414.000	27.0	-13.42	54.0	27.00	AV	202.90	100	Vertical	Pass
1	1414.000	37.91	-13.42	74.0	36.09	Peak	202.90	100	Vertical	Pass
2**	2125.000	30.3	-10.13	54.0	23.70	AV	83.40	100	Vertical	Pass
2	2125.000	41.46	-10.13	74.0	32.54	Peak	83.40	100	Vertical	Pass
3**	2402.500	89.9	-8.90	54.0	-35.90	AV	1.50	100	Vertical	N/A
3	2402.500	91.10	-8.90	74.0	-17.10	Peak	1.50	100	Vertical	N/A
4**	3597.000	31.8	-8.11	54.0	22.20	AV	0.00	100	Vertical	Pass
4	3597.000	41.94	-8.11	74.0	32.06	Peak	0.00	100	Vertical	Pass
5**	4852.000	42.0	-5.51	54.0	12.00	AV	282.00	100	Vertical	N/A
5	4852.000	50.14	-5.51	74.0	23.86	Peak	282.00	100	Vertical	N/A
6**	6481.000	36.5	-0.62	54.0	17.50	AV	342.40	100	Vertical	Pass
6	6481.000	46.44	-0.62	74.0	27.56	Peak	342.40	100	Vertical	Pass

A.1.4 Test Antenna Horizontal, 1 GHz – 12.75 GHz

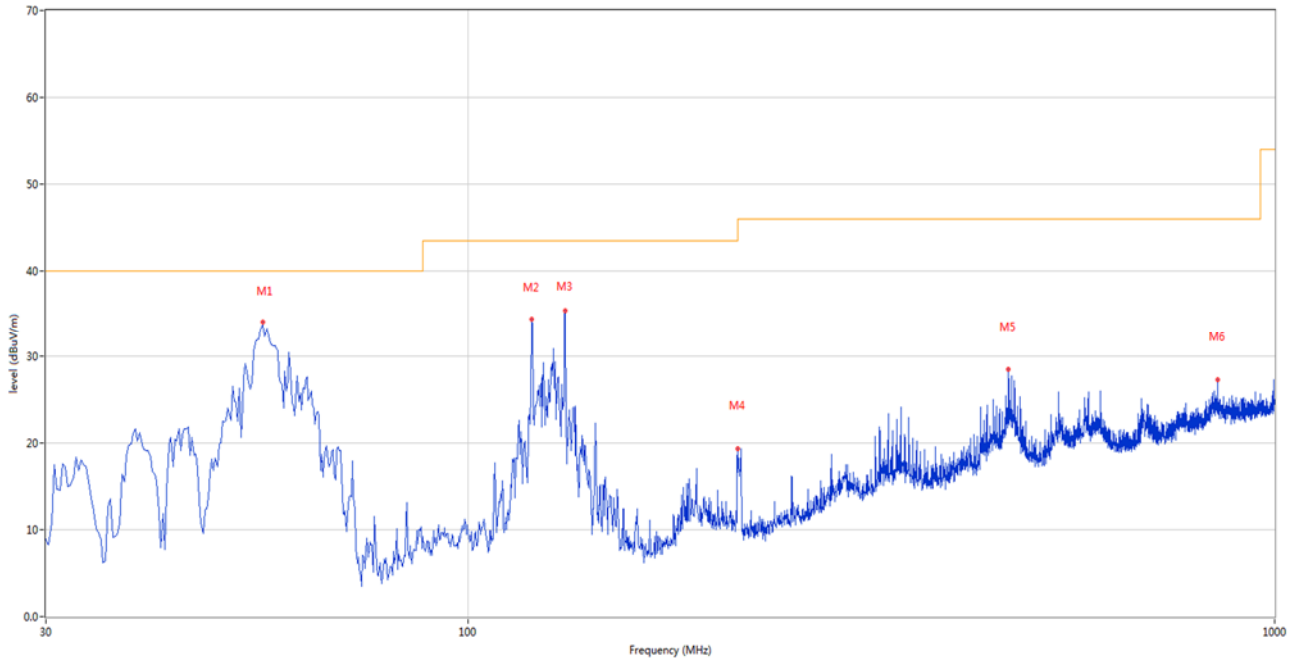


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1453.500	27.7	-13.09	54.0	26.30	AV	270.70	100	Horizontal	Pass
1	1453.500	38.08	-13.09	74.0	35.92	Peak	270.70	100	Horizontal	Pass
2**	2445.000	88.9	-8.74	54.0	-34.90	AV	8.00	100	Horizontal	N/A
2	2445.000	93.57	-8.74	74.0	-19.57	Peak	8.00	100	Horizontal	N/A
3**	2547.000	40.8	-7.02	54.0	13.20	AV	4.50	100	Horizontal	Pass
3	2547.000	49.98	-7.02	74.0	24.02	Peak	4.50	100	Horizontal	Pass
4**	3596.000	32.0	-8.08	54.0	22.00	AV	285.00	100	Horizontal	Pass
4	3596.000	42.24	-8.08	74.0	31.76	Peak	285.00	100	Horizontal	Pass
5**	4814.000	35.3	-4.76	54.0	18.70	AV	173.40	100	Horizontal	N/A
5	4814.000	47.50	-4.76	74.0	26.50	Peak	173.40	100	Horizontal	N/A
6**	5763.000	35.1	-3.30	54.0	18.90	AV	229.40	100	Horizontal	Pass
6	5763.000	46.67	-3.30	74.0	27.33	Peak	229.40	100	Horizontal	Pass

Test Data and Plots

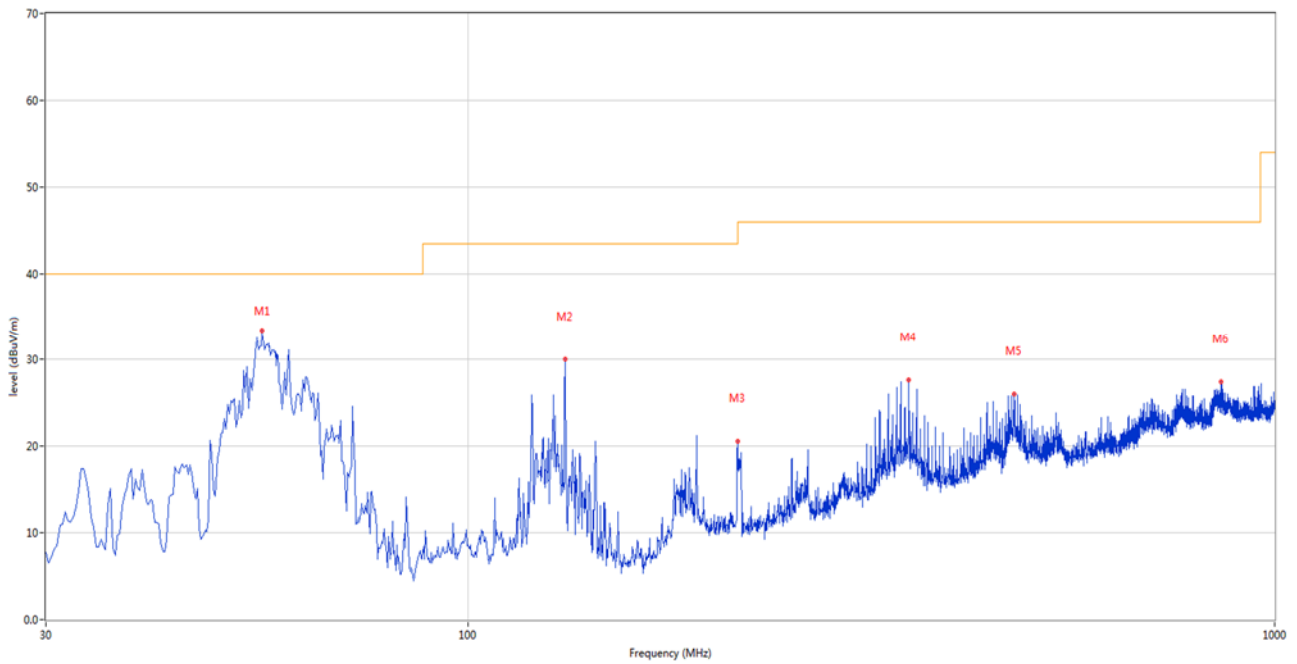
The USB Test Mode

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



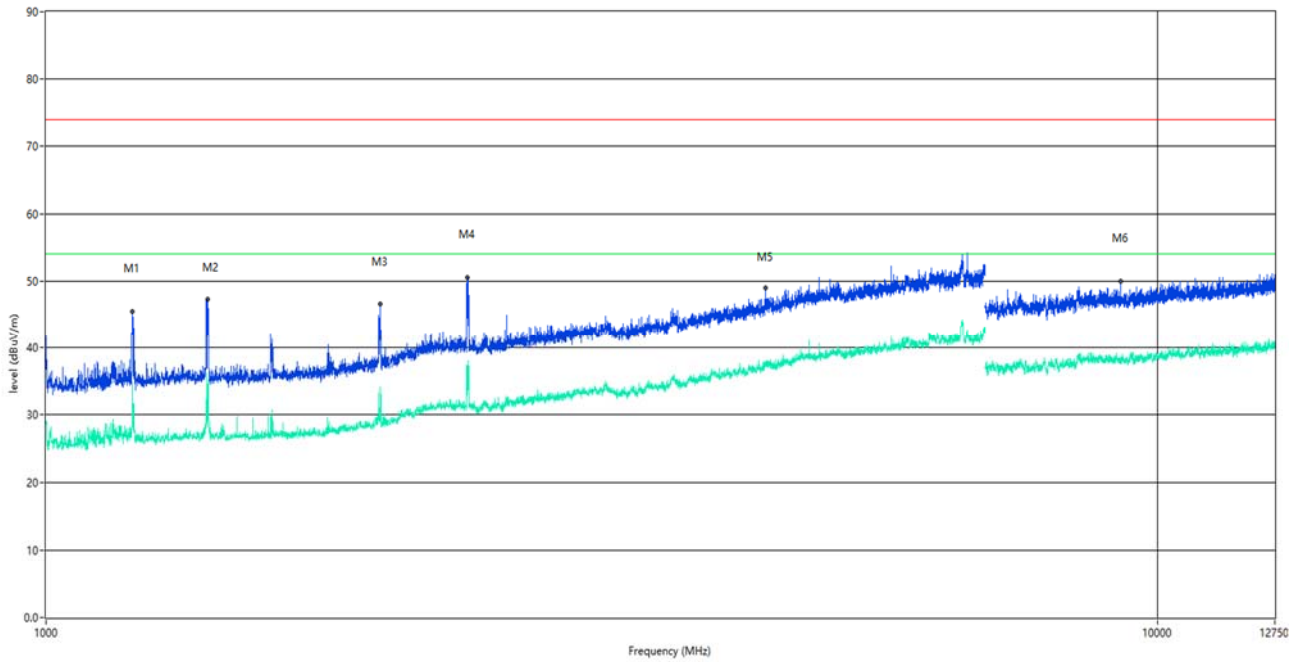
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	55.705	34.9	-24.13	40.0	-5.10	Peak	141.70	100	Vertical	Pass
2	119.967	34.37	-26.47	43.5	-9.13	Peak	123.50	100	Vertical	Pass
3	132.092	35.42	-27.78	43.5	-8.08	Peak	61.40	100	Vertical	Pass
4	215.998	19.35	-24.49	43.5	-24.15	Peak	164.00	200	Vertical	Pass
5	467.955	28.52	-17.89	46.0	-17.48	Peak	359.80	100	Vertical	Pass
6	849.893	27.28	-11.18	46.0	-18.72	Peak	0.40	100	Vertical	Pass

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



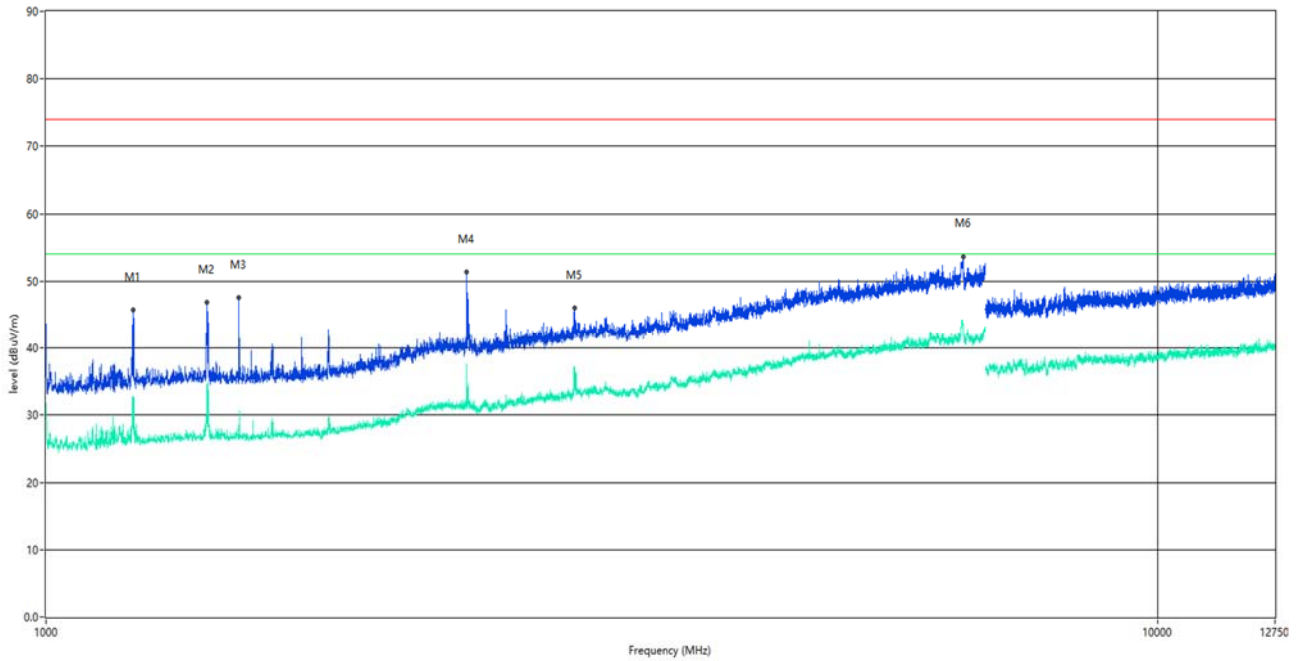
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	56.190	33.80	-24.18	40.0	-6.20	Peak	358.60	200	Horizontal	Pass
2	132.092	30.04	-27.78	43.5	-13.46	Peak	53.80	200	Horizontal	Pass
3	215.998	20.57	-24.49	43.5	-22.93	Peak	103.00	200	Horizontal	Pass
4	352.040	27.68	-20.38	46.0	-18.32	Peak	200.90	100	Horizontal	Pass
5	475.958	26.04	-17.72	46.0	-19.96	Peak	156.60	100	Horizontal	Pass
6	859.107	27.38	-11.27	46.0	-18.62	Peak	223.40	100	Horizontal	Pass

A.1.7 Test Antenna Vertical, 1 GHz – 12.75 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1196.000	34.15	-17.55	54.0	-19.85	AV	31.00	100	Vertical	Pass
1	1196.000	45.47	-17.55	74.0	-28.53	Peak	31.00	100	Vertical	Pass
2**	1399.000	30.94	-16.91	54.0	-23.06	AV	153.00	100	Vertical	Pass
2	1399.000	47.36	-16.91	74.0	-26.64	Peak	153.00	100	Vertical	Pass
3**	2000.000	32.50	-14.87	54.0	-21.50	AV	163.00	100	Vertical	Pass
3	2000.000	46.58	-14.87	74.0	-27.42	Peak	163.00	100	Vertical	Pass
4**	2395.000	34.41	-11.42	54.0	-19.59	AV	119.00	100	Vertical	Pass
4	2395.000	50.57	-11.42	74.0	-23.43	Peak	119.00	100	Vertical	Pass
5**	4440.000	37.43	-4.10	54.0	-16.57	AV	179.00	100	Vertical	Pass
5	4440.000	48.98	-4.10	74.0	-25.02	Peak	179.00	100	Vertical	Pass
6**	9261.187	38.16	-0.99	54.0	-15.84	AV	239.00	100	Vertical	Pass
6	9261.187	49.92	-0.99	74.0	-24.08	Peak	239.00	100	Vertical	Pass

A.1.8 Test Antenna Horizontal, 1 GHz – 12.75 GHz



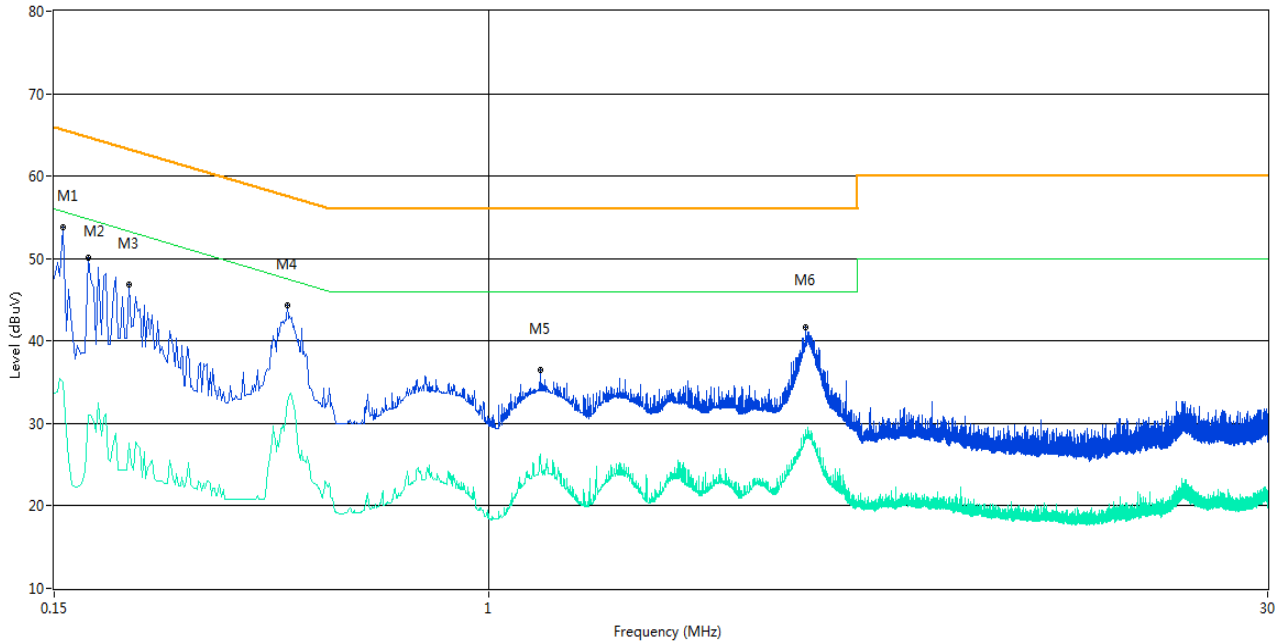
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1197.500	27.92	-17.49	54.0	-26.08	AV	30.00	100	Horizontal	Pass
1	1197.500	45.73	-17.49	74.0	-28.27	Peak	30.00	100	Horizontal	Pass
2**	1395.500	33.90	-16.72	54.0	-20.10	AV	75.00	100	Horizontal	Pass
2	1395.500	46.86	-16.72	74.0	-27.14	Peak	75.00	100	Horizontal	Pass
3**	1491.500	26.35	-16.91	54.0	-27.65	AV	97.00	100	Horizontal	Pass
3	1491.500	47.53	-16.91	74.0	-26.47	Peak	97.00	100	Horizontal	Pass
4**	2389.000	31.18	-11.47	54.0	-22.82	AV	97.00	100	Horizontal	Pass
4	2389.000	51.36	-11.47	74.0	-22.64	Peak	97.00	100	Horizontal	Pass
5**	2990.000	36.90	-9.22	54.0	-17.10	AV	188.00	100	Horizontal	Pass
5	2990.000	46.01	-9.22	74.0	-27.99	Peak	188.00	100	Horizontal	Pass
6**	6681.000	43.60	1.49	54.0	-10.40	AV	359.00	100	Horizontal	Pass
6	6681.000	53.63	1.49	74.0	-20.37	Peak	359.00	100	Horizontal	Pass

A.2 Conducted Emission

Test Data and Plots

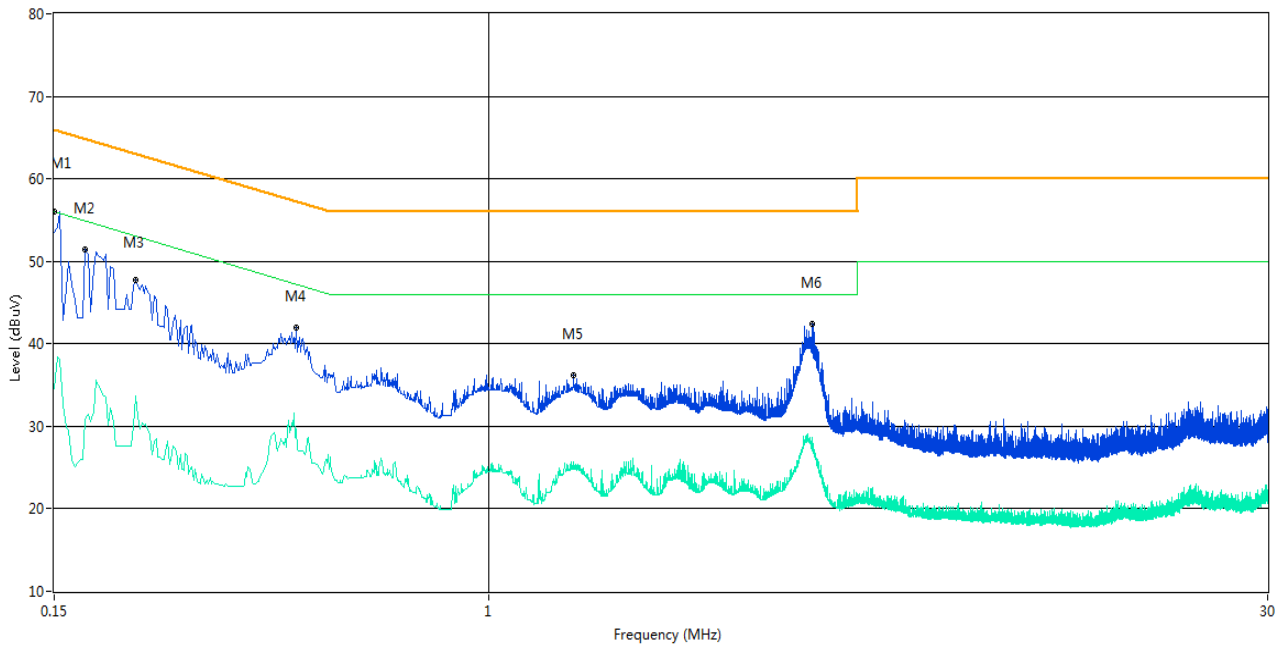
The BT Audio Play Test Mode

A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	53.8	10.04	65.7	11.90	Peak	L Line	Pass
1**	0.156	35.1	10.04	55.7	20.60	AV	L Line	Pass
2	0.174	50.1	10.04	64.8	14.70	Peak	L Line	Pass
2**	0.174	31.0	10.04	54.8	23.80	AV	L Line	Pass
3	0.208	46.8	10.04	63.3	16.50	Peak	L Line	Pass
3**	0.208	27.6	10.04	53.3	25.70	AV	L Line	Pass
4	0.416	44.4	10.04	57.5	13.10	Peak	L Line	Pass
4**	0.416	32.8	10.04	47.5	14.70	AV	L Line	Pass
5	1.254	36.5	10.07	56.0	19.50	Peak	L Line	Pass
5**	1.254	26.3	10.07	46.0	19.70	AV	L Line	Pass
6	3.994	41.7	10.14	56.0	14.30	Peak	L Line	Pass
6**	3.994	29.1	10.14	46.0	16.90	AV	L Line	Pass

A.2.2 N Phase

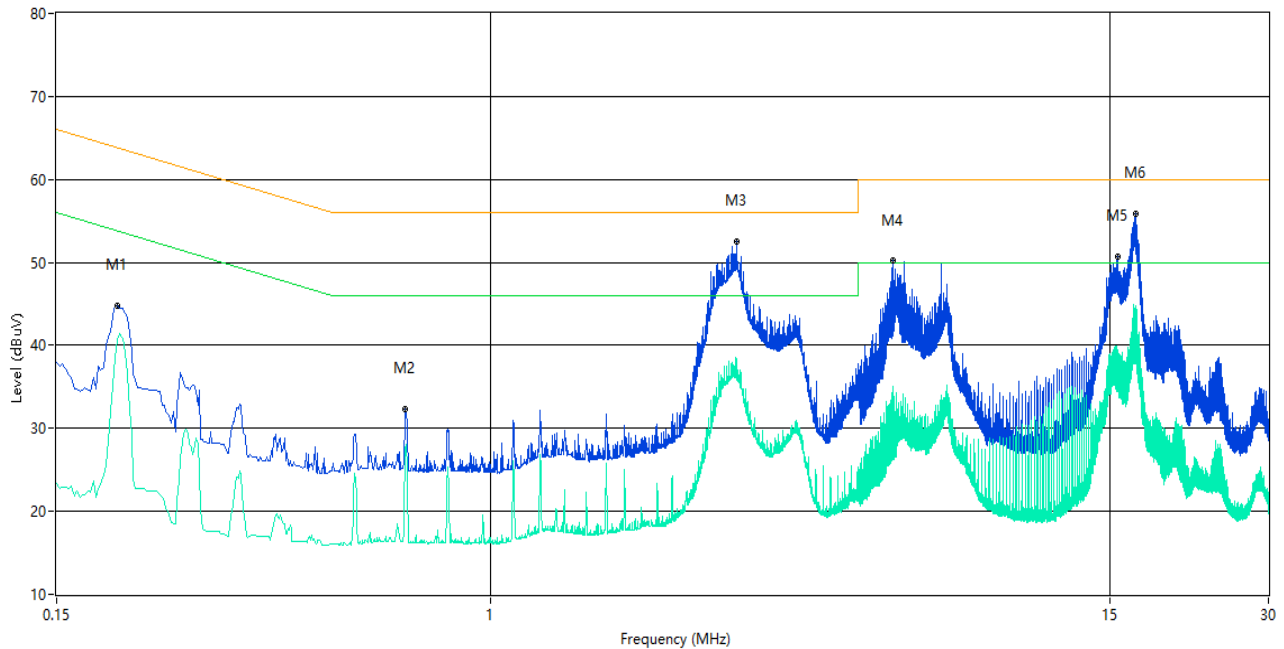


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	56.1	10.04	65.8	9.70	Peak	N Line	Pass
1**	0.154	38.1	10.04	55.8	17.70	AV	N Line	Pass
2	0.172	51.5	10.04	64.9	13.40	Peak	N Line	Pass
2**	0.172	30.9	10.04	54.9	24.00	AV	N Line	Pass
3	0.214	47.7	10.04	63.0	15.30	Peak	N Line	Pass
3**	0.214	33.7	10.04	53.0	19.30	AV	N Line	Pass
4	0.432	42.0	10.04	57.2	15.20	Peak	N Line	Pass
4**	0.432	29.7	10.04	47.2	17.50	AV	N Line	Pass
5	1.448	36.2	10.07	56.0	19.80	Peak	N Line	Pass
5**	1.448	25.7	10.07	46.0	20.30	AV	N Line	Pass
6	4.100	42.4	10.15	56.0	13.60	Peak	N Line	Pass
6**	4.100	28.7	10.15	46.0	17.30	AV	N Line	Pass

Test Data and Plots

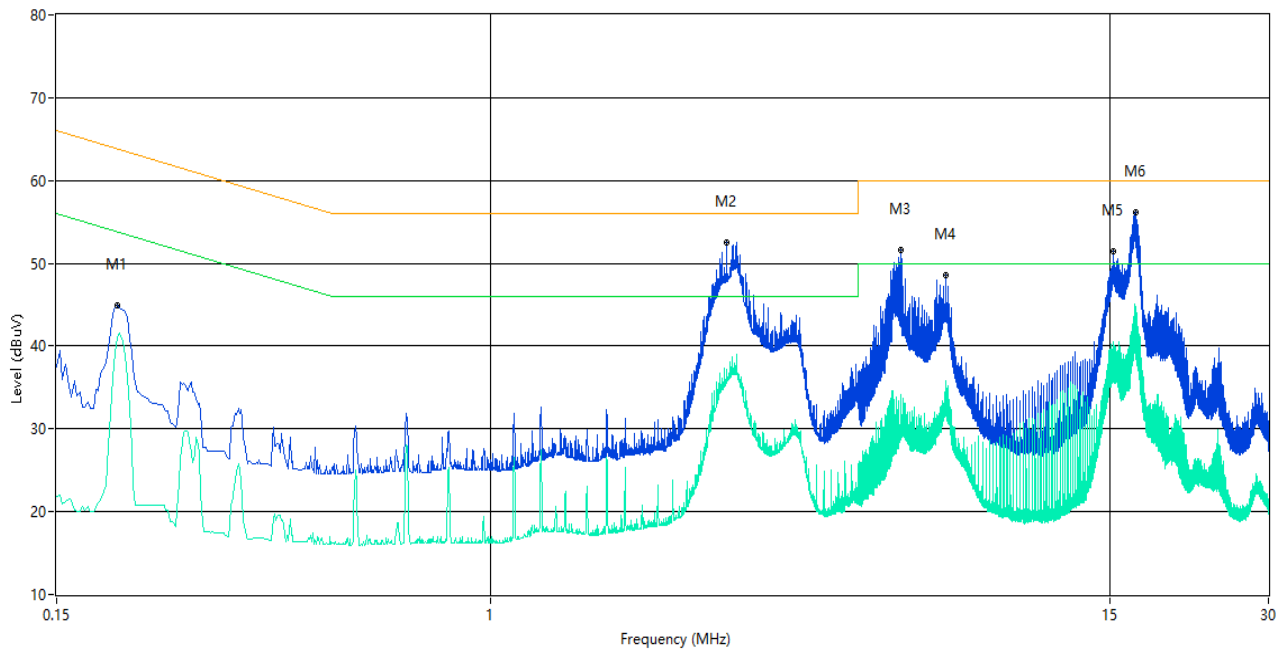
The USB Test Mode

A.2.3 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.196	44.8	10.01	63.8	-19.00	Peak	L Line	Pass
1**	0.196	40.7	10.01	53.8	-13.10	AV	L Line	Pass
2	0.690	32.3	10.02	56.0	-23.70	Peak	L Line	Pass
2**	0.690	27.7	10.02	46.0	-18.30	AV	L Line	Pass
3	2.932	52.5	10.08	56.0	-3.50	Peak	L Line	Pass
3**	2.932	37.6	10.08	46.0	-8.40	AV	L Line	Pass
4	5.802	50.2	10.12	60.0	-9.80	Peak	L Line	Pass
4**	5.802	35.0	10.12	50.0	-15.00	AV	L Line	Pass
5	15.490	50.7	10.21	60.0	-9.30	Peak	L Line	Pass
5**	15.490	38.5	10.21	50.0	-11.50	AV	L Line	Pass
6	16.762	55.8	10.22	60.0	-4.20	Peak	L Line	Pass
6**	16.762	41.9	10.22	50.0	-8.10	AV	L Line	Pass

A.2.4 N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.196	45.0	10.01	63.8	-18.80	Peak	N Line	Pass
1**	0.196	41.0	10.01	53.8	-12.80	AV	N Line	Pass
2	2.812	52.5	10.09	56.0	-3.50	Peak	N Line	Pass
2**	2.812	37.2	10.09	46.0	-8.80	AV	N Line	Pass
3	6.016	51.5	10.13	60.0	-8.50	Peak	N Line	Pass
3**	6.016	29.4	10.13	50.0	-20.60	AV	N Line	Pass
4	7.334	48.6	10.14	60.0	-11.40	Peak	N Line	Pass
4**	7.334	35.9	10.14	50.0	-14.10	AV	N Line	Pass
5	15.192	51.4	10.21	60.0	-8.60	Peak	N Line	Pass
5**	15.192	40.6	10.21	50.0	-9.40	AV	N Line	Pass
6	16.794	56.1	10.22	60.0	-3.90	Peak	N Line	Pass
6**	16.794	42.5	10.22	50.0	-7.50	AV	N Line	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ1860071-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ1860071-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ1860071-AI.PDF”.

--END OF REPORT--