

EMC

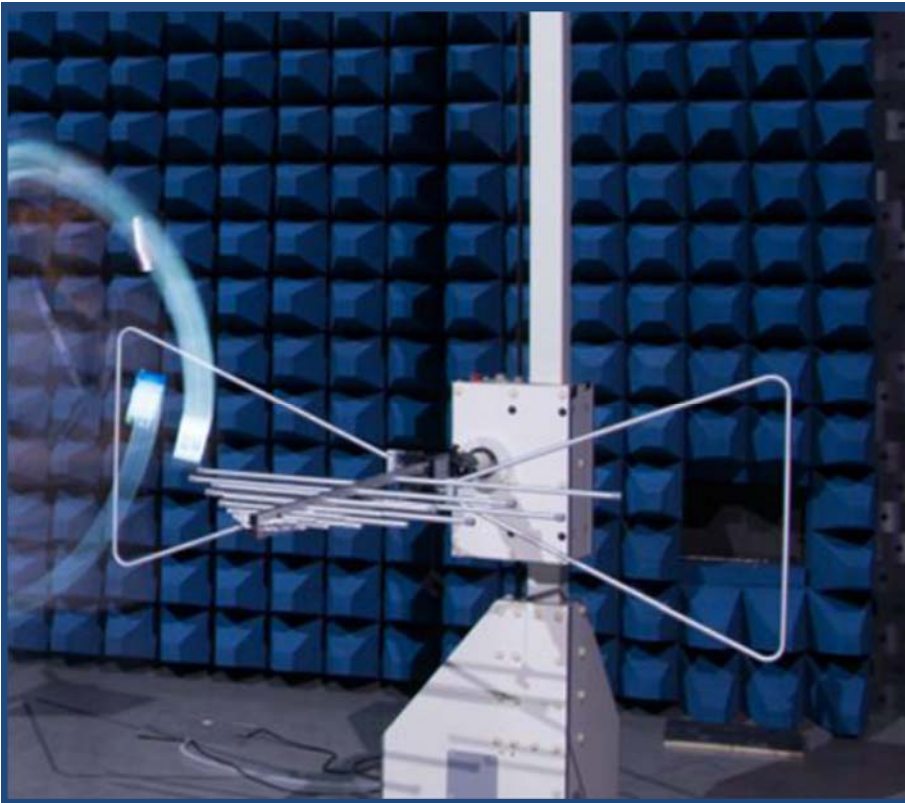
TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Mobile Phone

ISSUED TO
Realme Chongqing Mobile Telecommunications Corp., Ltd.
No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China



Tested by:

Sijie Zheng

Date

Feb. 21, 2022

Approved by:

Diao Jianming

(Technical Director)

Date

Feb. 21, 2022

Report No.: BL-SZ21C0655-401

EUT Name: Mobile Phone

Model Name: RMX3516

Brand Name: realme

Test Standard: 47 CFR Part 15 Subpart B

FCC ID: 2AUYFRMX3516

Test Conclusion: Pass

Test Date: Dec. 30, 2021 ~ Jan. 05, 2022

Date of Issue: Feb. 21, 2022

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Feb. 21, 2022</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 is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.
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	30% to 60%
Ambient Pressure	100 kPa to 102 kPa

1.4 Announce

- (1) The test report reference to the report template version v7.2.
- (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.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.3 Factory Information

Factory	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3516
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	Android 11
Dimensions (Approx.)	164.30*75.60*8.15(mm)
Weight (Approx.)	193.00g (with battery)

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Realme
	Model No.	BLP877
	Serial No.	N/A
	Capacity	4890 mAh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.45 V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EGPRS 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/26/66 TDD LTE Band 38/41 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, SBAS, FM Receiver
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The requirement for the following technical information of the EUT was tested in this report:

The Highest Speed of Processor	1.61Ghz
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3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	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)	2.96 dB
Radiated emissions (30 MHz-1 GHz)	3.67 dB
Radiated emissions (1 GHz-18 GHz)	3.57 dB
Radiated emissions (18 GHz-40 GHz)	5.16 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)	20°C to 25°C	AC 120 V/60 Hz or DC 3.87V from Battery	30% to 60%	100 kPa to 102 kPa

4.2 Test Equipment List

Radiated Emission Test For Frequency Below 1 GHz (10 m)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.10.08	2022.10.09	☐
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2022.07.01	☐
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2021.08.15	2024.08.14	☐
Test Software	BALUN	BL410_E	V19.918	--	--	☐

Radiated Emission Test For Frequency Below 1 GHz (3 m)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	MY55330120	2021.10.20	2022.10.19	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2022.07.01	☒
Anechoic Chamber	YIHENG	9m*6m*6m	N/A	2021.09.04	2024.09.03	☒
Test Software	BALUN	BL410_E	V19.918	--	--	☒

Radiated Emission Test For Frequency 1 GHz-18 GHz						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	MY55330120	2021.10.20	2022.10.19	☒
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2022.07.01	☒
Anechoic Chamber	YIHENG	9m*6m*6m	N/A	2021.09.04	2024.09.03	☒
Test Software	BALUN	BL410_E	V19.918	--	--	☒

Radiated Emission Test For Frequency Above 18 GHz						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE & SCHWARZ	FSV40	101544	2021.04.01	2022.03.31	☒
Test Antenna-Horn	A-INFOMW	LB-180400KF	J211060273	2021.07.02	2024.07.01	☒
Anechoic Chamber	YIHENG	9m*6m*6m	N/A	2021.09.04	2024.09.03	☒
Test Software	BALUN	BL410_E	V19.918	--	--	☒

Conducted disturbance Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2021.10.10	2022.10.09	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.06.08	2022.06.07	☒
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.4m*3.1m*2.8m	N/A	2021.08.14	2024.08.13	☒
Test Software	BALUN	BL410_E	V19.918	--	--	☒

4.3 Test Enclosure list

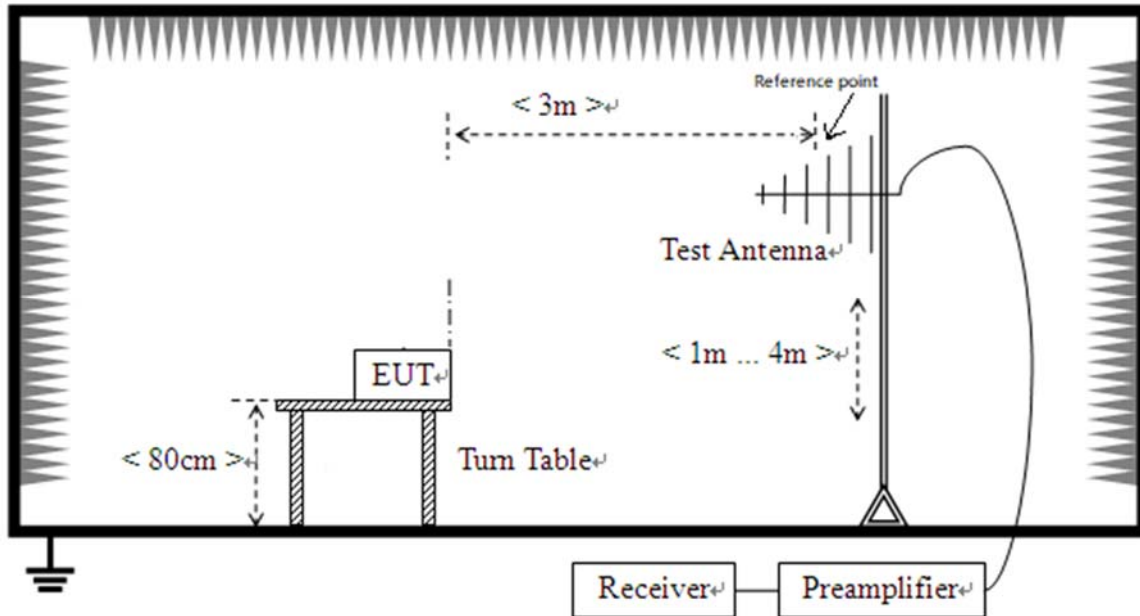
Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	HONOR	N/A	N/A	N/A	N/A	☒
Laptop	Apple	A1465	N/A	N/A	N/A	☒
TF Card	Kingston	N/A	N/A	N/A	N/A	☒
Headset	N/A	OPPO	N/A	1.1 m	N/A	☒
USB Cable	N/A	N/A	N/A	1.5 m	Shielded with core	☒
Adapter	N/A	N/A	N/A	N/A	N/A	☒

4.4 Test Configurations

Test Configurations (TC) No.	Description
TC01	<u>The GSM 850 MHz RX Test Mode</u> GSM 850 MHz RX + EUT +Adapter + USB Cable + Battery + Headset + TF Card
TC02	<u>The WCDMA Band 5 RX Test Mode</u> WCDMA Band 5 RX + EUT +Adapter + USB Cable + Battery + Headset + TF Card
TC03	<u>The FDD LTE Band 5 RX Test Mode</u> LTE Band 5 RX + EUT +Adapter + USB Cable + Battery + Headset + TF Card
TC04	<u>The FDD LTE Band 26 RX Test Mode</u> LTE Band 26 RX + EUT +Adapter + USB Cable + Battery + Headset + TF Card
TC05	<u>The Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset + TF Card
TC06	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset + TF Card
TC07	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop+ Headset + TF Card

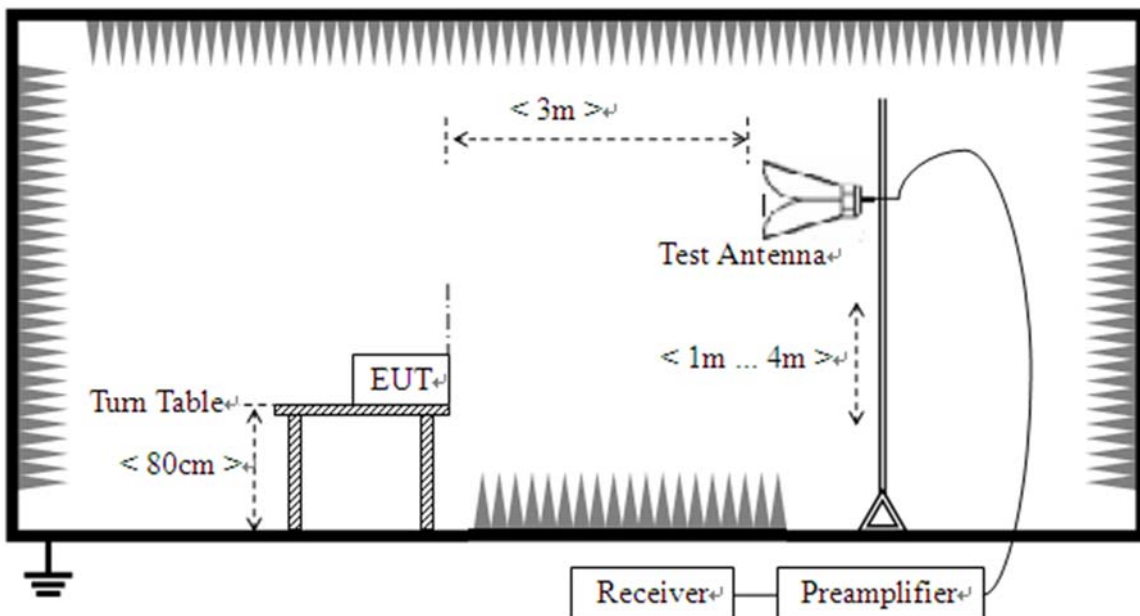
4.5 Test Setups

Test Setup 1



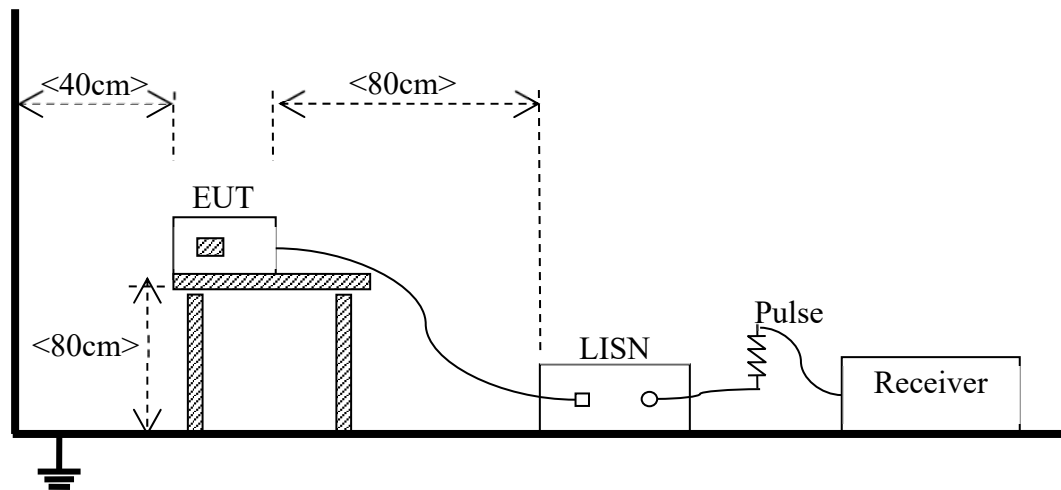
(For Radiated Emission Test (30 MHz-1 GHz))

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~TC07 ^{Note}
Conducted Emission, AC Ports	Test Env.	NTNV
	Test Setup	Test Setup 3
	Test Configuration	TC01~TC07 ^{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 Camera 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 range (MHz)	Class B (at 3 m)		Class B (at 10 m)	Class A (at 10 m)	
	Field Strength (μV/m)	Field Strength (dBμV/m)	Field Strength (dBμV/m)	Field Strength (μV/m)	Field Strength (dBμV/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 (dBμV/m) = 20*log [Field Strength (μV/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.

NOTE:

1. Results (dBuV/m) = Reading (dBuV/m) + Factor (dB/m)

The reading level is calculated by software which is not shown in the sheet

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain (dB)

3. Over limit = Results – Limit.

5.1.2 Conducted Emission

5.1.2.1 Test Limit

Frequency range (MHz)	Class A	
	Quasi-peak (dBμV)	Average (dBμV)
0.15 - 0.50	79	66
0.50 - 30	73	60

Frequency range (MHz)	Class B	
	Quasi-peak (dBμV)	Average (dBμV)
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 μH 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.

NOTE:

1. Results (dBuV) = Reading (dBuV) + Factor (dB)

The reading level is calculated by software which is not shown in the sheet

2. Factor = Insertion loss + Cable loss

3. Over limit = Results – Limit.

ANNEX A TEST RESULTS

A.1 Radiated Emission

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

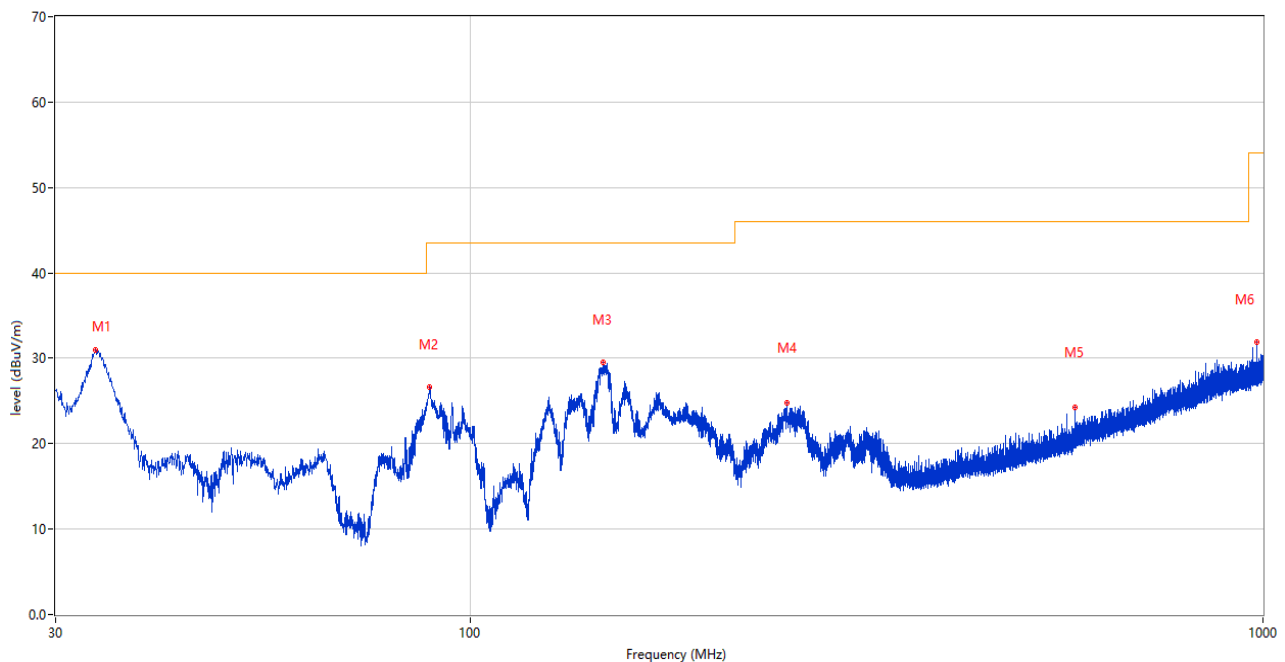
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The Radiated Emission from 18G-40G is noise only, do not show on the report.

Test Data and Plots

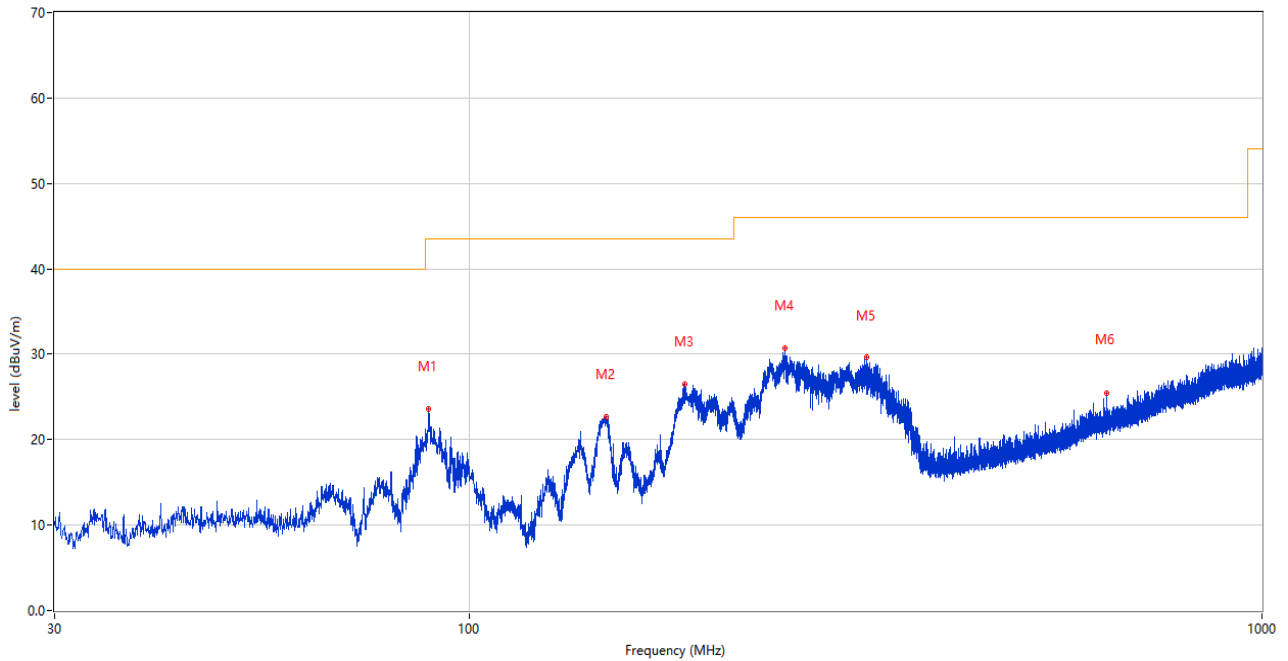
The Camera Test Mode

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



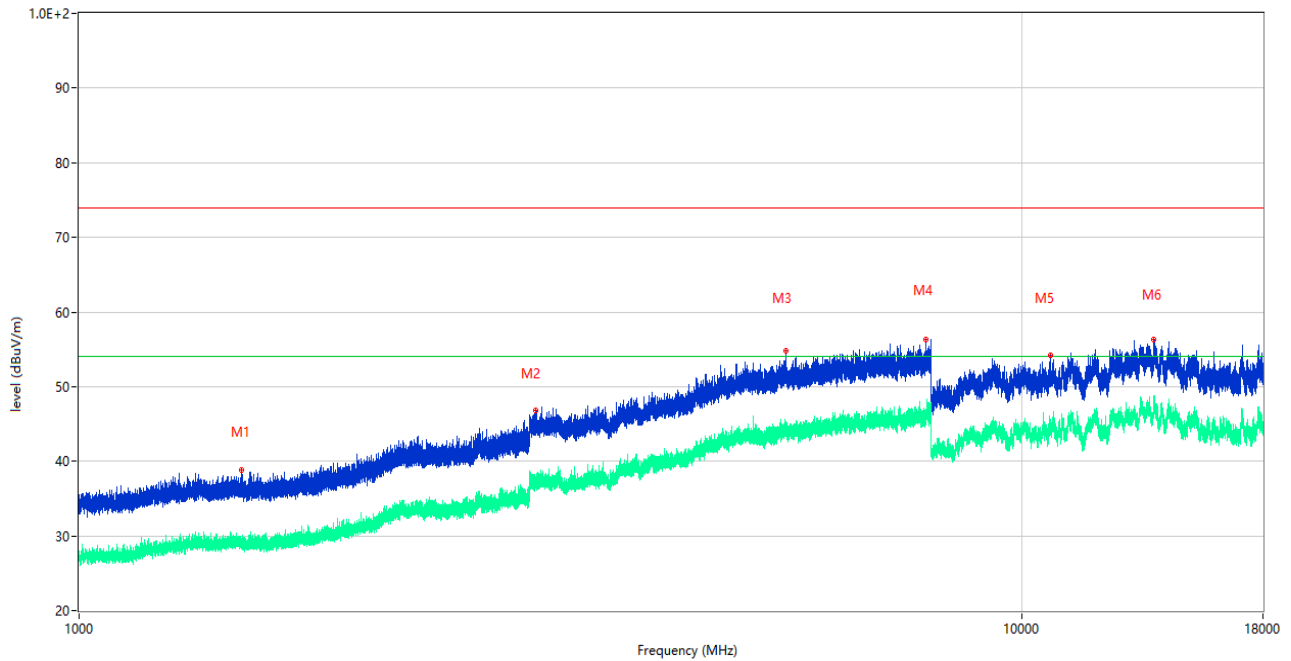
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.638	31.00	-28.84	40.0	-9.00	Peak	360.00	100	Vertical	Pass
2	88.830	26.59	-28.88	43.5	-16.91	Peak	0.00	200	Vertical	Pass
3	147.273	29.53	-30.22	43.5	-13.97	Peak	325.00	100	Vertical	Pass
4	250.675	24.84	-24.88	46.0	-21.16	Peak	360.00	100	Vertical	Pass
5	579.020	24.31	-16.66	46.0	-21.69	Peak	360.00	100	Vertical	Pass
6	982.152	31.85	-8.60	54.0	-22.15	Peak	186.00	100	Vertical	Pass

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



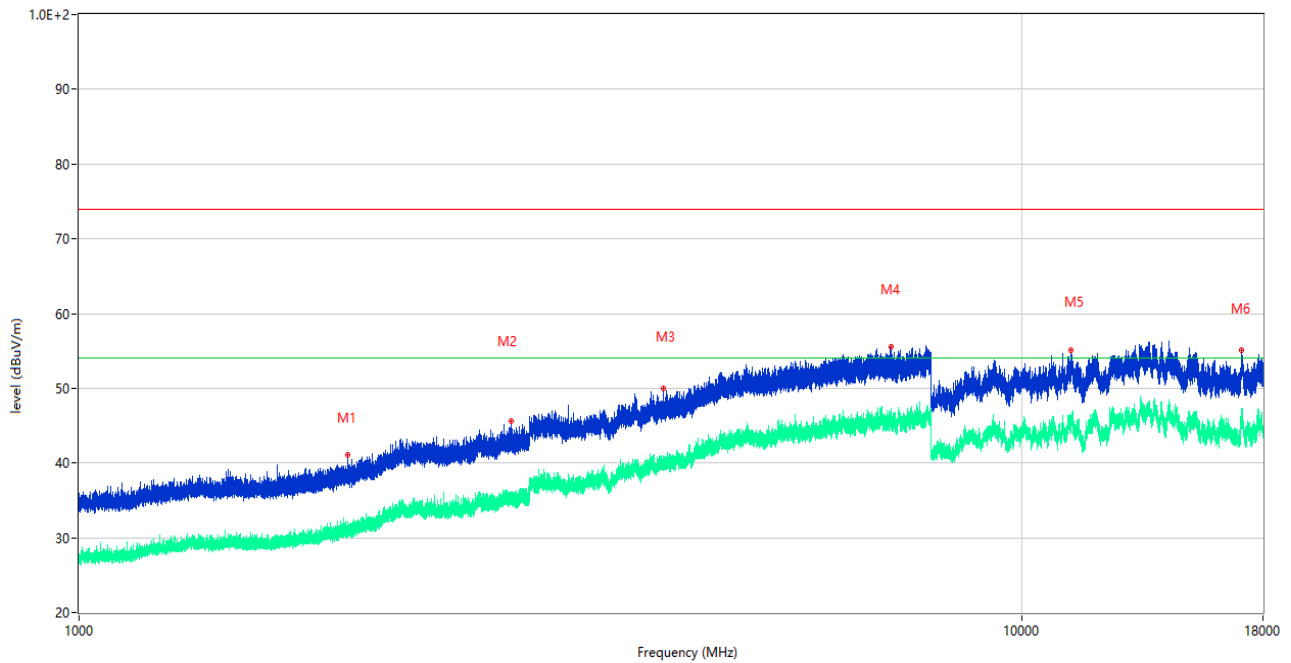
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	88.976	23.66	-28.85	43.5	-19.84	Peak	247.00	200	Horizontal	Pass
2	148.825	22.69	-30.06	43.5	-20.81	Peak	251.00	200	Horizontal	Pass
3	186.946	26.51	-27.85	43.5	-16.99	Peak	57.00	200	Horizontal	Pass
4	249.899	30.78	-24.89	46.0	-15.22	Peak	93.00	100	Horizontal	Pass
5	317.508	29.62	-23.20	46.0	-16.38	Peak	91.00	100	Horizontal	Pass
6	637.074	25.45	-15.23	46.0	-20.55	Peak	222.00	100	Horizontal	Pass

A.1.3 Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.900	38.80	-16.60	74.0	-35.20	Peak	72.00	100	Vertical	Pass
1**	1486.900	29.31	-16.60	54.0	-24.69	AV	72.00	100	Vertical	Pass
2	3047.500	46.85	-5.48	74.0	-27.15	Peak	284.00	100	Vertical	Pass
2**	3047.500	36.69	-5.48	54.0	-17.31	AV	284.00	100	Vertical	Pass
3	5610.250	54.82	0.80	74.0	-19.18	Peak	213.00	100	Vertical	Pass
3**	5610.250	44.10	0.80	54.0	-9.90	AV	213.00	100	Vertical	Pass
4	7910.000	56.33	2.76	74.0	-17.67	Peak	45.00	100	Vertical	Pass
4**	7910.000	46.25	2.76	54.0	-7.75	AV	45.00	100	Vertical	Pass
5	10704.500	54.13	1.49	74.0	-19.87	Peak	46.00	100	Vertical	Pass
5**	10704.500	45.26	1.49	54.0	-8.74	AV	46.00	100	Vertical	Pass
6	13791.000	56.29	5.41	74.0	-17.71	Peak	205.00	100	Vertical	Pass
6**	13791.000	46.08	5.41	54.0	-7.92	AV	205.00	100	Vertical	Pass

A.1.4 Test Antenna Horizontal, 1 GHz – 18 GHz

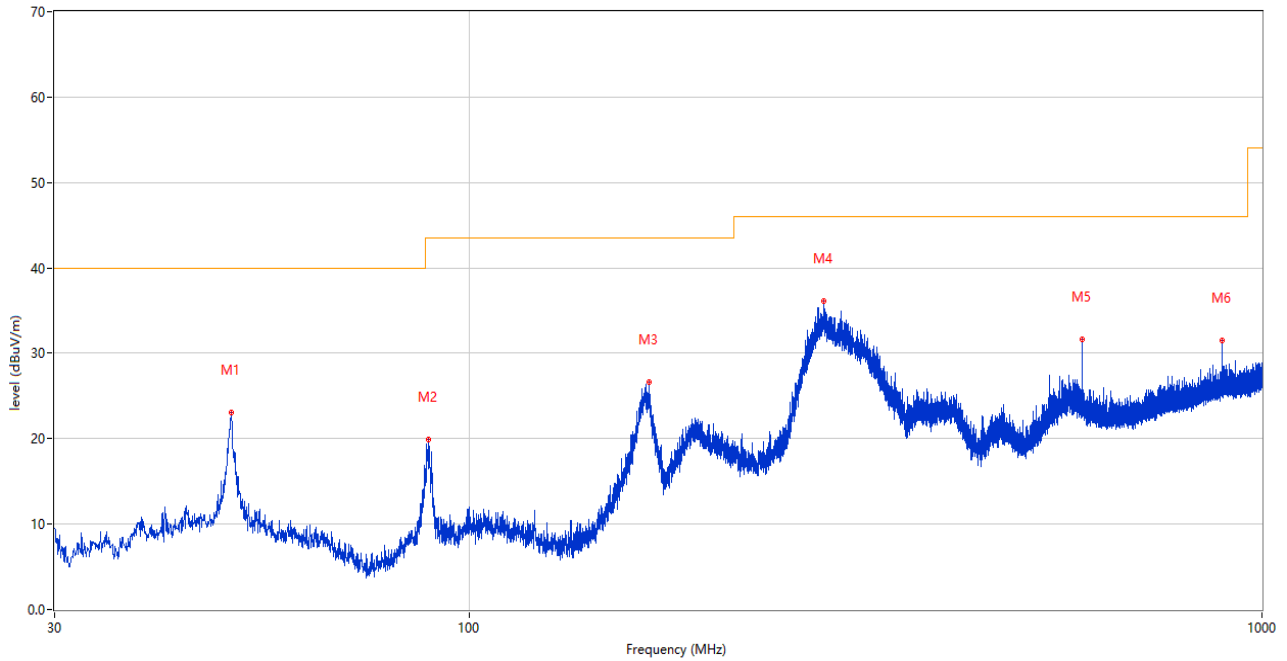


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1925.900	41.12	-14.84	74.0	-32.88	Peak	0.00	100	Horizontal	Pass
1**	1925.900	30.78	-14.84	54.0	-23.22	AV	0.00	100	Horizontal	Pass
2	2869.500	45.61	-8.95	74.0	-28.39	Peak	64.00	100	Horizontal	Pass
2**	2869.500	34.82	-8.95	54.0	-19.18	AV	64.00	100	Horizontal	Pass
3	4166.000	49.97	-2.45	74.0	-24.03	Peak	138.00	100	Horizontal	Pass
3**	4166.000	40.22	-2.45	54.0	-13.78	AV	138.00	100	Horizontal	Pass
4	7263.000	55.52	2.26	74.0	-18.48	Peak	361.00	100	Horizontal	Pass
4**	7263.000	46.48	2.26	54.0	-7.52	AV	361.00	100	Horizontal	Pass
5	11274.500	55.09	2.09	74.0	-18.91	Peak	153.00	100	Horizontal	Pass
5**	11274.500	45.67	2.09	54.0	-8.33	AV	153.00	100	Horizontal	Pass
6	17080.001	55.18	2.97	74.0	-18.82	Peak	225.00	100	Horizontal	Pass
6**	17080.001	45.71	2.97	54.0	-8.29	AV	225.00	100	Horizontal	Pass

Test Data and Plots

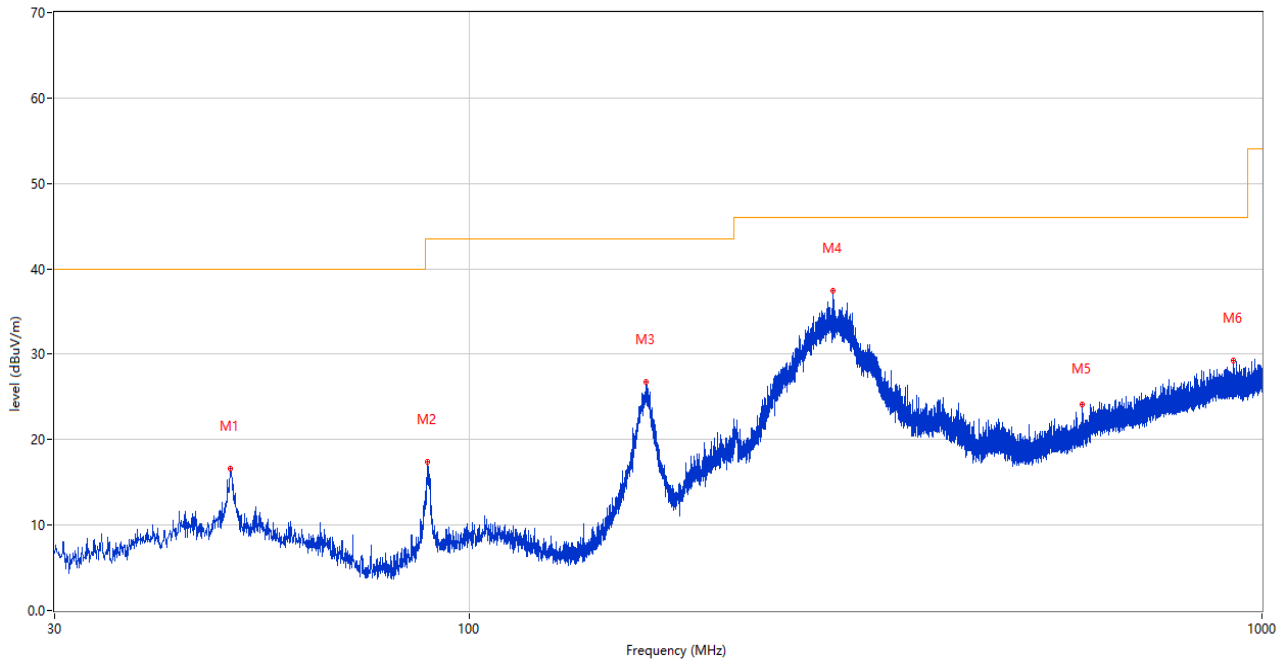
The USB Test Mode

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



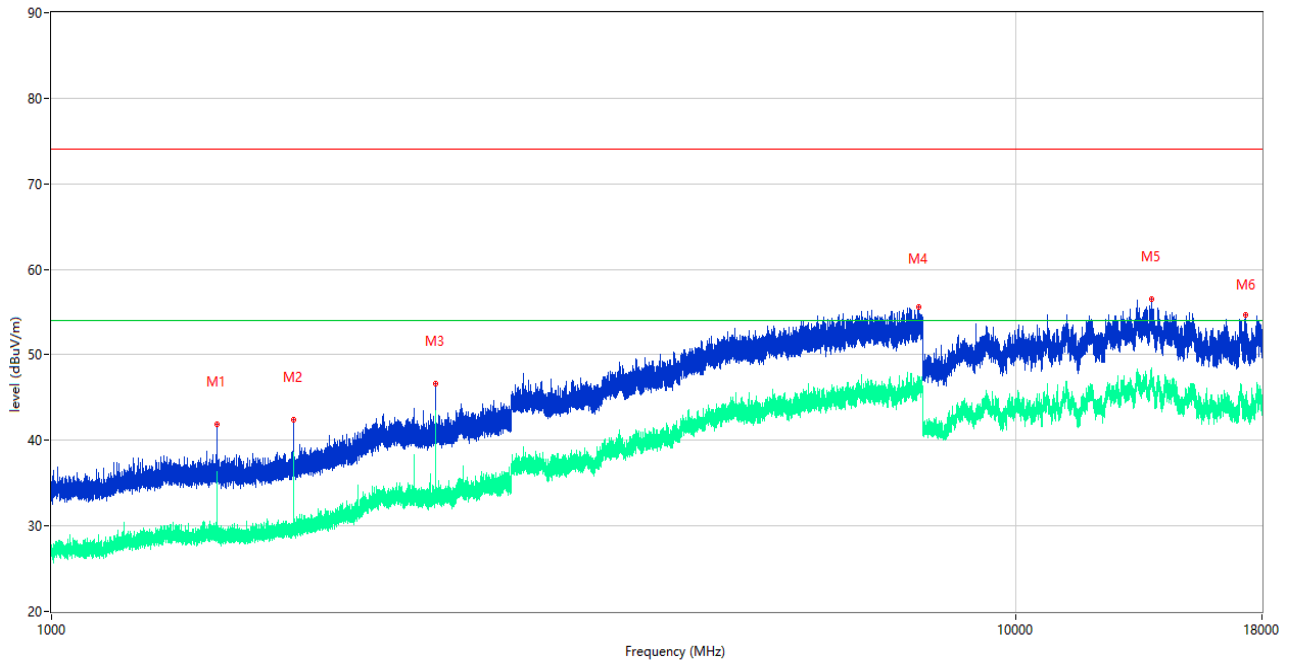
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.127	23.07	-25.59	40.0	-16.93	Peak	73.00	100	Vertical	Pass
2	88.830	19.95	-28.88	43.5	-23.55	Peak	222.00	100	Vertical	Pass
3	168.758	26.68	-29.26	43.5	-16.82	Peak	252.00	100	Vertical	Pass
4	279.823	36.19	-24.15	46.0	-9.81	Peak	37.00	200	Vertical	Pass
5	593.958	31.62	-16.07	46.0	-14.38	Peak	361.00	200	Vertical	Pass
6	891.020	31.48	-10.11	46.0	-14.52	Peak	153.00	100	Vertical	Pass

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



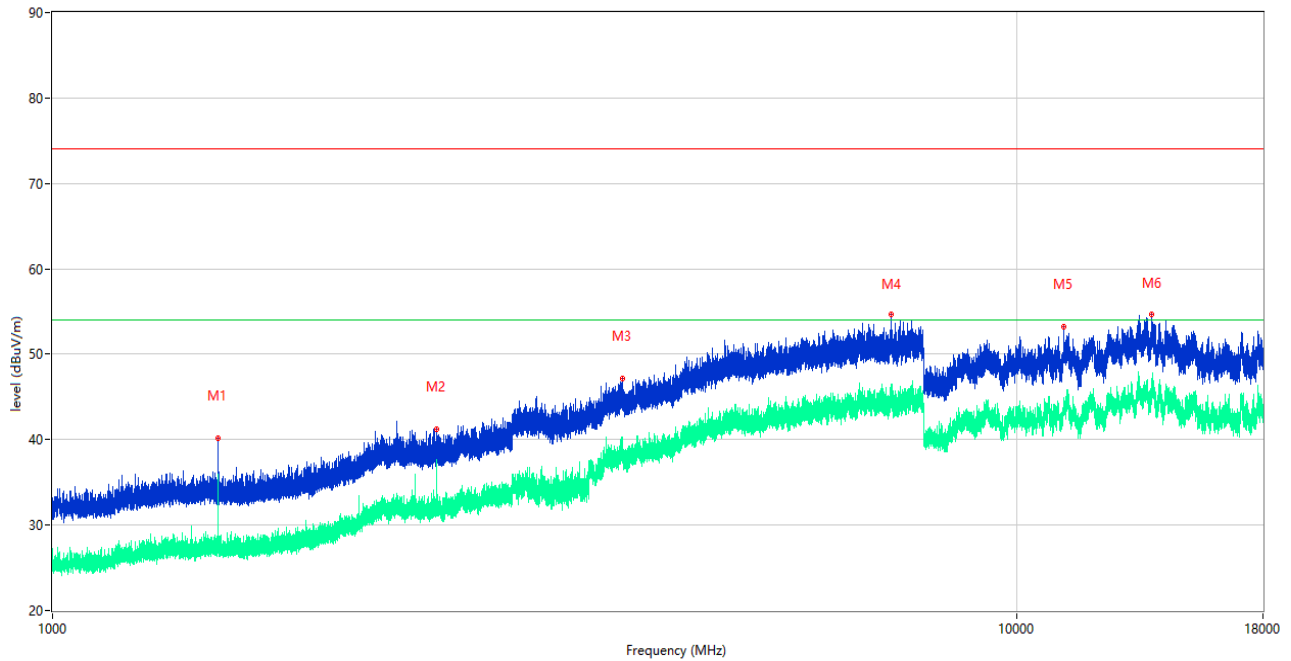
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.031	16.63	-25.59	40.0	-23.37	Peak	360.00	200	Horizontal	Pass
2	88.685	17.38	-28.92	43.5	-26.12	Peak	35.00	200	Horizontal	Pass
3	166.964	26.75	-29.21	43.5	-16.75	Peak	360.00	200	Horizontal	Pass
4	287.826	37.47	-23.97	46.0	-8.53	Peak	67.00	100	Horizontal	Pass
5	593.958	24.18	-16.07	46.0	-21.82	Peak	178.00	200	Horizontal	Pass
6	919.732	29.26	-9.71	46.0	-16.74	Peak	25.00	100	Horizontal	Pass

A.1.7 Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.200	41.92	-16.62	74.0	-32.08	Peak	131.00	100	Vertical	Pass
1**	1485.200	33.60	-16.62	54.0	-20.40	AV	131.00	100	Vertical	Pass
2	1781.800	42.43	-16.17	74.0	-31.57	Peak	196.00	100	Vertical	Pass
2**	1781.800	32.68	-16.17	54.0	-21.32	AV	196.00	100	Vertical	Pass
3	2499.600	46.60	-11.12	74.0	-27.40	Peak	232.00	100	Vertical	Pass
3**	2499.600	41.75	-11.12	54.0	-12.25	AV	232.00	100	Vertical	Pass
4	7936.250	55.56	3.28	74.0	-18.44	Peak	175.00	100	Vertical	Pass
4**	7936.250	46.90	3.28	54.0	-7.10	AV	175.00	100	Vertical	Pass
5	13821.500	56.48	5.54	74.0	-17.52	Peak	242.00	100	Vertical	Pass
5**	13821.500	47.63	5.54	54.0	-6.37	AV	242.00	100	Vertical	Pass
6	17326.000	54.67	1.84	74.0	-19.33	Peak	16.00	100	Vertical	Pass
6**	17326.000	45.07	1.84	54.0	-8.93	AV	16.00	100	Vertical	Pass

A.1.8 Test Antenna Horizontal, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	40.11	-16.61	74.0	-33.89	Peak	209.00	100	Horizontal	Pass
1**	1484.700	33.93	-16.61	54.0	-20.07	AV	209.00	100	Horizontal	Pass
2	2500.200	41.27	-11.12	74.0	-32.73	Peak	167.00	100	Horizontal	Pass
2**	2500.200	37.20	-11.12	54.0	-16.80	AV	167.00	100	Horizontal	Pass
3	3899.500	47.21	-2.21	74.0	-26.79	Peak	160.00	100	Horizontal	Pass
3**	3899.500	38.19	-2.21	54.0	-15.81	AV	160.00	100	Horizontal	Pass
4	7404.500	54.66	2.58	74.0	-19.34	Peak	6.00	100	Horizontal	Pass
4**	7404.500	44.64	2.58	54.0	-9.36	AV	6.00	100	Horizontal	Pass
5	11194.500	53.17	2.09	74.0	-20.83	Peak	328.00	100	Horizontal	Pass
5**	11194.500	43.59	2.09	54.0	-10.41	AV	328.00	100	Horizontal	Pass
6	13810.000	54.65	5.68	74.0	-19.35	Peak	223.00	100	Horizontal	Pass
6**	13810.000	45.81	5.68	54.0	-8.19	AV	223.00	100	Horizontal	Pass

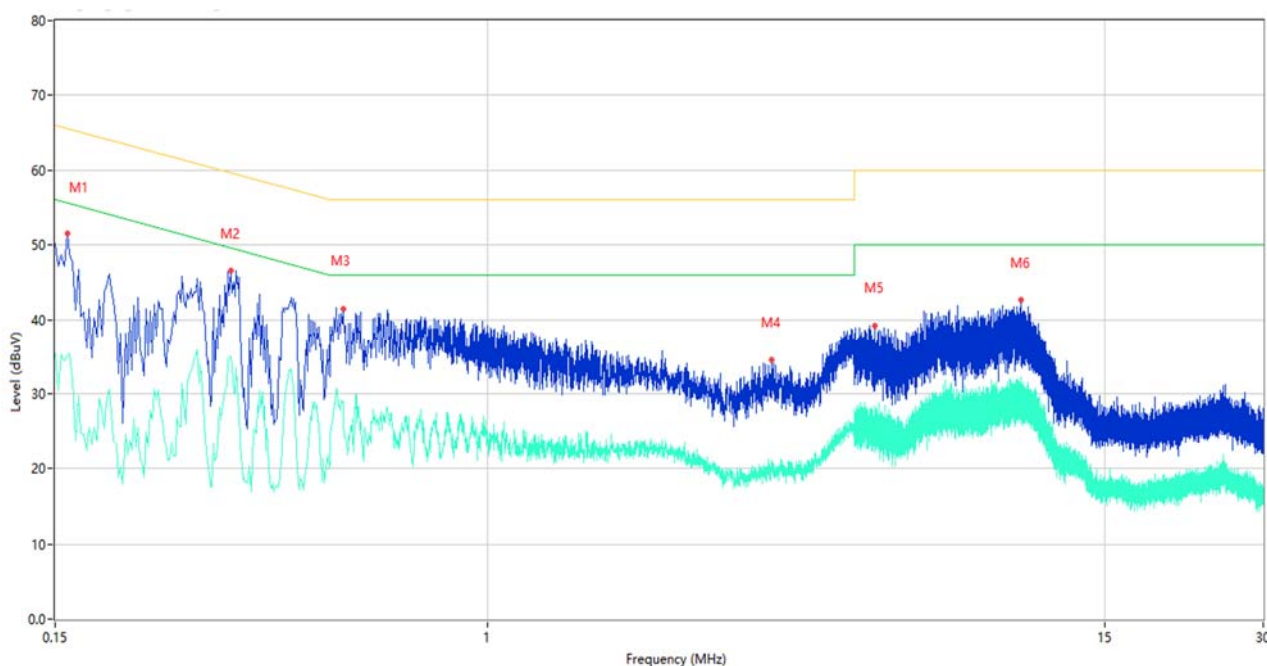
A.2 Conducted Emission

Note: 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.

Test Data and Plots

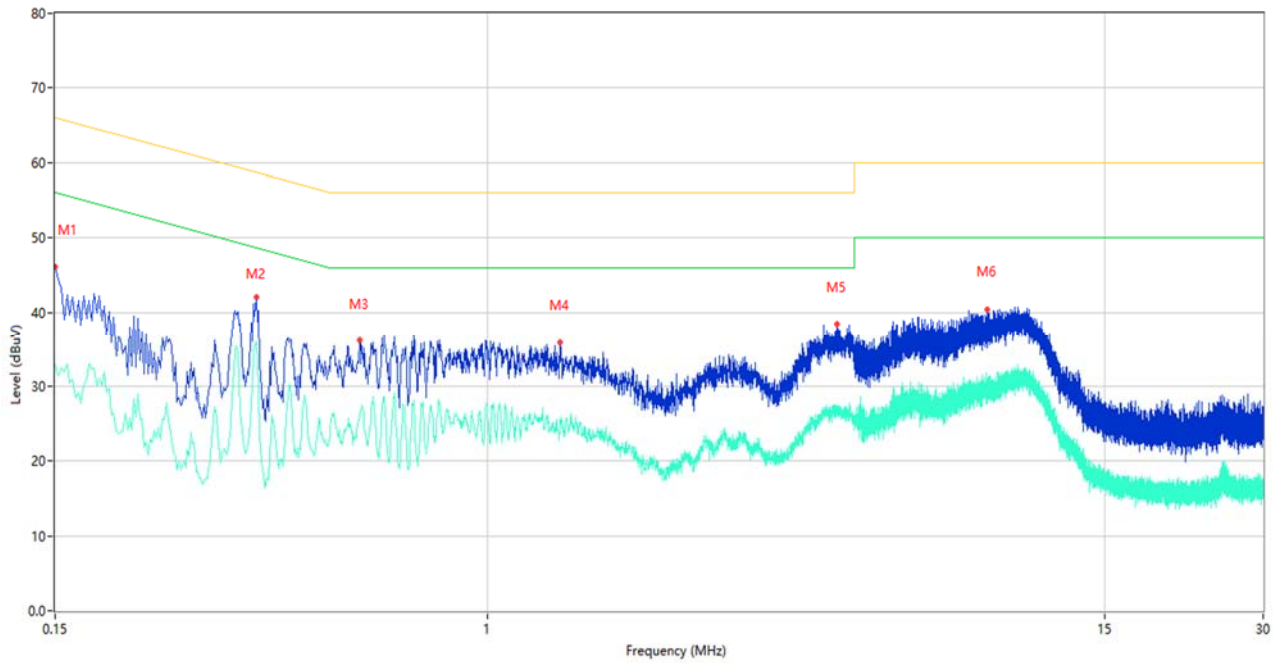
The Camera Test Mode

A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.158	51.55	10.18	65.57	-14.02	Peak	L	Pass
1**	0.158	35.09	10.18	55.57	-20.48	AV	L	Pass
2	0.324	46.55	10.07	59.60	-13.05	Peak	L	Pass
2**	0.324	35.03	10.07	49.60	-14.57	AV	L	Pass
3	0.530	41.38	10.11	56.00	-14.62	Peak	L	Pass
3**	0.530	28.94	10.11	46.00	-17.06	AV	L	Pass
4	3.478	34.56	10.08	56.00	-21.44	Peak	L	Pass
4**	3.478	21.06	10.08	46.00	-24.94	AV	L	Pass
5	5.454	39.12	10.00	60.00	-20.88	Peak	L	Pass
5**	5.454	27.48	10.00	50.00	-22.52	AV	L	Pass
6	10.370	42.71	10.09	60.00	-17.29	Peak	L	Pass
6**	10.370	32.17	10.09	50.00	-17.83	AV	L	Pass

A.2.2 N Phase

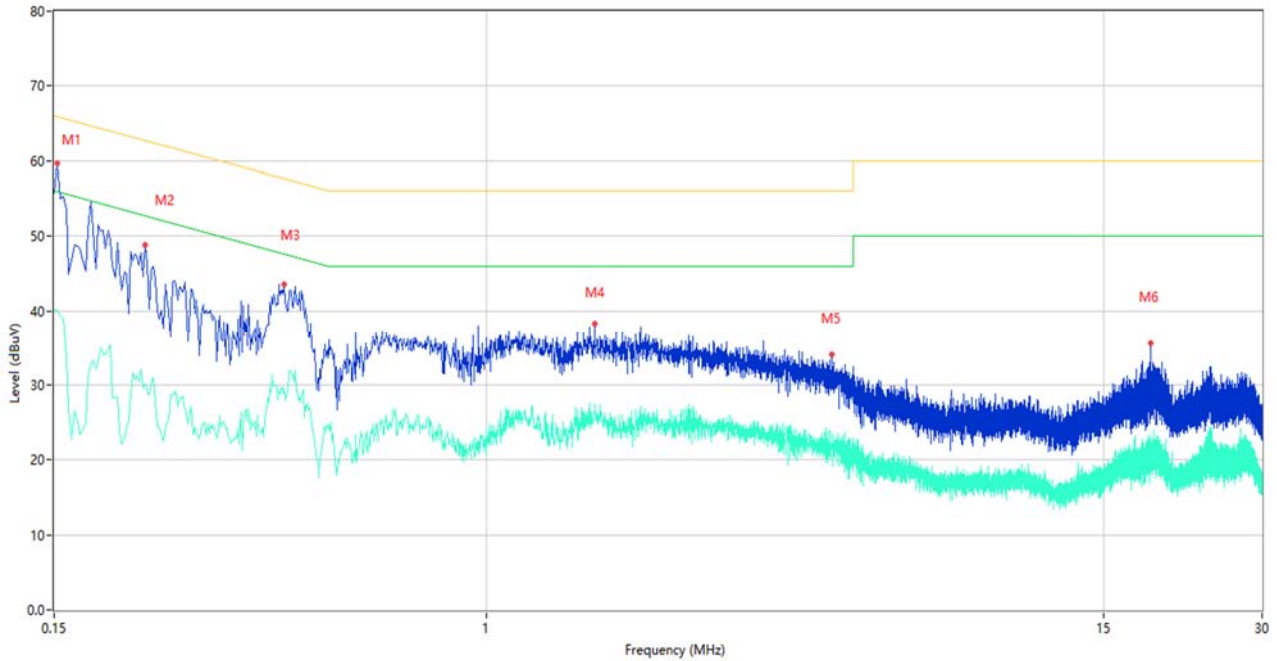


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	46.09	10.19	66.00	-19.91	Peak	N	Pass
1**	0.150	32.88	10.19	56.00	-23.12	AV	N	Pass
2	0.362	42.01	10.08	58.68	-16.67	Peak	N	Pass
2**	0.362	36.03	10.08	48.68	-12.65	AV	N	Pass
3	0.570	36.09	10.10	56.00	-19.91	Peak	N	Pass
3**	0.570	25.77	10.10	46.00	-20.23	AV	N	Pass
4	1.374	35.82	9.97	56.00	-20.18	Peak	N	Pass
4**	1.374	24.51	9.97	46.00	-21.49	AV	N	Pass
5	4.636	38.45	9.99	56.00	-17.55	Peak	N	Pass
5**	4.636	27.31	9.99	46.00	-18.69	AV	N	Pass
6	8.926	40.36	10.08	60.00	-19.64	Peak	N	Pass
6**	8.926	29.75	10.08	50.00	-20.25	AV	N	Pass

Test Data and Plots

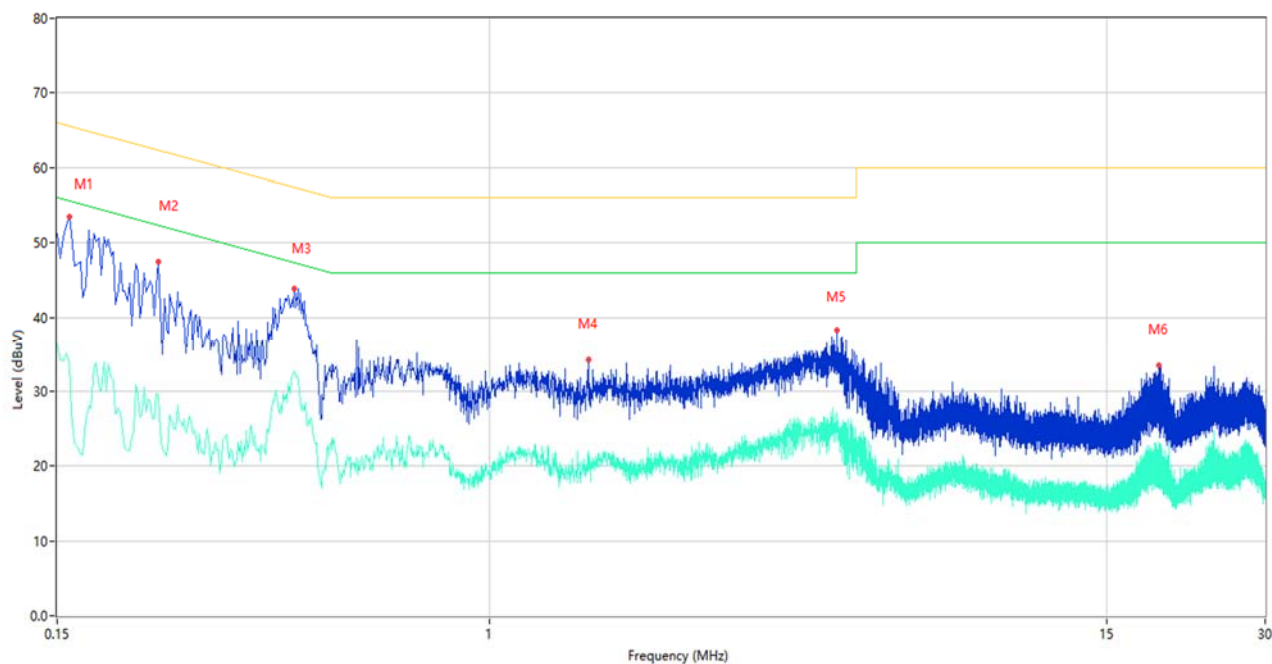
The USB Test Mode

A.2.3 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.152	59.68	10.19	65.89	-6.21	Peak	L	Pass
1**	0.152	40.06	10.19	55.89	-15.83	AV	L	Pass
2	0.224	48.74	10.09	62.67	-13.93	Peak	L	Pass
2**	0.224	30.18	10.09	52.67	-22.49	AV	L	Pass
3	0.412	43.57	10.09	57.61	-14.04	Peak	L	Pass
3**	0.412	29.71	10.09	47.61	-17.90	AV	L	Pass
4	1.608	38.30	9.93	56.00	-17.70	Peak	L	Pass
4**	1.608	27.44	9.93	46.00	-18.56	AV	L	Pass
5	4.538	34.09	10.00	56.00	-21.91	Peak	L	Pass
5**	4.538	22.04	10.00	46.00	-23.96	AV	L	Pass
6	18.444	35.51	10.20	60.00	-24.49	Peak	L	Pass
6**	18.444	23.08	10.20	50.00	-26.92	AV	L	Pass

A.2.4 N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.158	53.47	10.18	65.57	-12.10	Peak	N	Pass
1**	0.158	33.72	10.18	55.57	-21.85	AV	N	Pass
2	0.234	47.41	10.09	62.31	-14.90	Peak	N	Pass
2**	0.234	29.52	10.09	52.31	-22.79	AV	N	Pass
3	0.424	43.84	10.09	57.37	-13.53	Peak	N	Pass
3**	0.424	32.63	10.09	47.37	-14.74	AV	N	Pass
4	1.540	34.13	9.94	56.00	-21.87	Peak	N	Pass
4**	1.540	21.93	9.94	46.00	-24.07	AV	N	Pass
5	4.588	38.23	10.00	56.00	-17.77	Peak	N	Pass
5**	4.588	27.07	10.00	46.00	-18.93	AV	N	Pass
6	18.852	33.39	10.22	60.00	-26.61	Peak	N	Pass
6**	18.852	21.16	10.22	50.00	-28.84	AV	N	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ21C0655-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ21C0655-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ21C0655-AI.PDF”.

--END OF REPORT--