EMC TEST REPORT

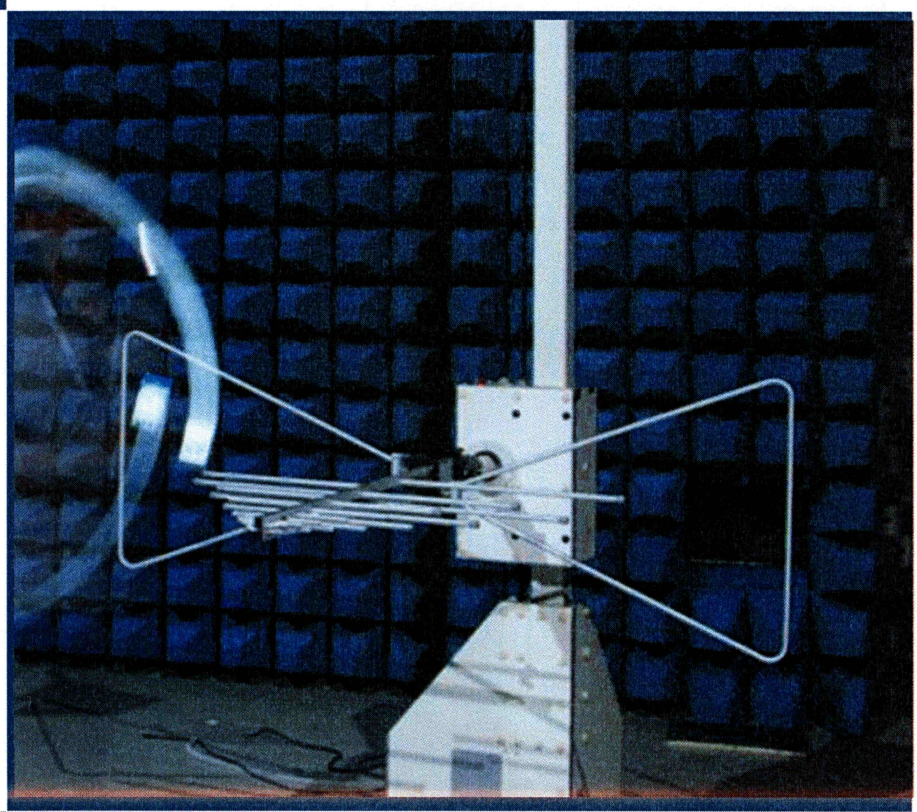
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile phone

ISSUED TO
Realfit(Shenzhen) Intelligent Technology Co., Ltd

Room 201, building a, No.1 Qianwan 1st Road, Shenzhen Hong Kong cooperation zone, Qianhai, Shenzhen



Tested by: Xia Long
Xia Long
Date Sep. 07, 2021

Approved by:
Liao Jianming
(Technical Director)
Date Sep. 07, 2021

Report No.:	BL-SZ2150569-401
EUT Name:	Mobile phone
Model Name:	DH2001
Brand Name:	DIZO
Test Standard:	47 CFR Part 15 Subpart B
FCC ID:	2AYPPDH2001
Test Conclusion:	Pass
Test Date:	May 25, 2021 ~ May 29, 2021
Date of Issue:	Sep. 07, 2021

Block B, 1st FL,Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong, P. R. China 518055
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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 07, 2021	Initial Issue
Rev. 02	Sep. 07, 2021	Add the FCC ID on the home page

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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℃ to 25℃
Ambient Relative Humidity	30% to 60%
Ambient Pressure	100 kPa to 102 kPa

1.4 Announce

(1) The test report refer to the BALUN report mode v7.0.

(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	Realfit(Shenzhen) Intelligent Technology Co., Ltd
Address	Room 201, building a, No.1 Qianwan 1st Road, Shenzhen Hong Kong cooperation zone, Qianhai, Shenzhen

2.2 Manufacturer Information

Manufacturer	Realfit(Shenzhen) Intelligent Technology Co., Ltd
Address	Room 201, building a, No.1 Qianwan 1st Road, Shenzhen Hong Kong cooperation zone, Qianhai, Shenzhen

2.3 Factory Information

Factory	Sichuan Suge Communication Technology Co., Ltd.
Address	No.31, West gangyuan Road, Yibin Lingang Economic and Technological Development Zone, Yibin, Sichuan

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile phone
Model Name Under Test	DH2001
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V0.3
Software Version	dizo_DH2001_V1.6.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery 1	
	Brand Name	DIZO
	Model No.	DH2001
	Serial No.	N/A
	Capacity	2475 mAh
	Rated Voltage	3.7 V
	Limit Charge Voltage	4.2 V
	Manufacturer	NINGBO VEKEN BATTERY CO., LTD
Ancillary Equipment 2	Battery 2	
	Brand Name	DIZO
	Model No.	DH2001
	Serial No.	N/A
	Capacity	Rated Capacity: 2475mAh/9.15Wh Typical Capacity: 2550mAh/9.43Wh
	Rated Voltage	3.7 V
	Limit Charge Voltage	4.2 V
	Manufacturer	Zhongshan Tianmao Battery Co., Ltd.
Ancillary Equipment 3	Adapter	
	Brand Name	DIZO
	Model No.	PA-5V550mA-005
	Serial No.	N/A
	Rated Input	100-240 V~, 0.15 A, 50/60 Hz
	Rated Output	5 V⎓ 0.55 A
Note: All batteries are tested.		

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM 850/1900 MHz

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B (10-1-19 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
Note: The only difference between the test sample EUT in this report and the BL-SZ2130948-401, which was issued by Shenzhen BALUN Technology Co., Ltd. on Apr. 23, 2021 show as below: 1. Add a battery. All items were retested in this report, but only the worst data was shown in this report.				

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 3.7 V 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	2021.06.01	2022.05.31	☐
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-0883	2020.05.11	2022.05.10	☐
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2018.08.08	2021.08.07	☐
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	MY53220118	2020.09.18	2021.09.17	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2022.07.01	☒
Anechoic Chamber	YIHENG	9m*6m*6m	N/A	2018.07.18	2021.07.27	☒
Test Software	BALUN	BL410_E	V19.918	--	--	☒

Radiated Emission Test For Frequency Above 1 GHz						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2020.09.18	2021.09.17	☒
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2022.07.01	☒
Anechoic Chamber	YIHENG	9m*6m*6m	N/A	2018.07.18	2021.07.17	☒
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	2021.06.01	2022.05.31	☒
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	2018.08.16	2021.08.15	☒
Test Software	BALUN	BL410_E	V19.918	--	--	☒

4.3 Test Enclosure list

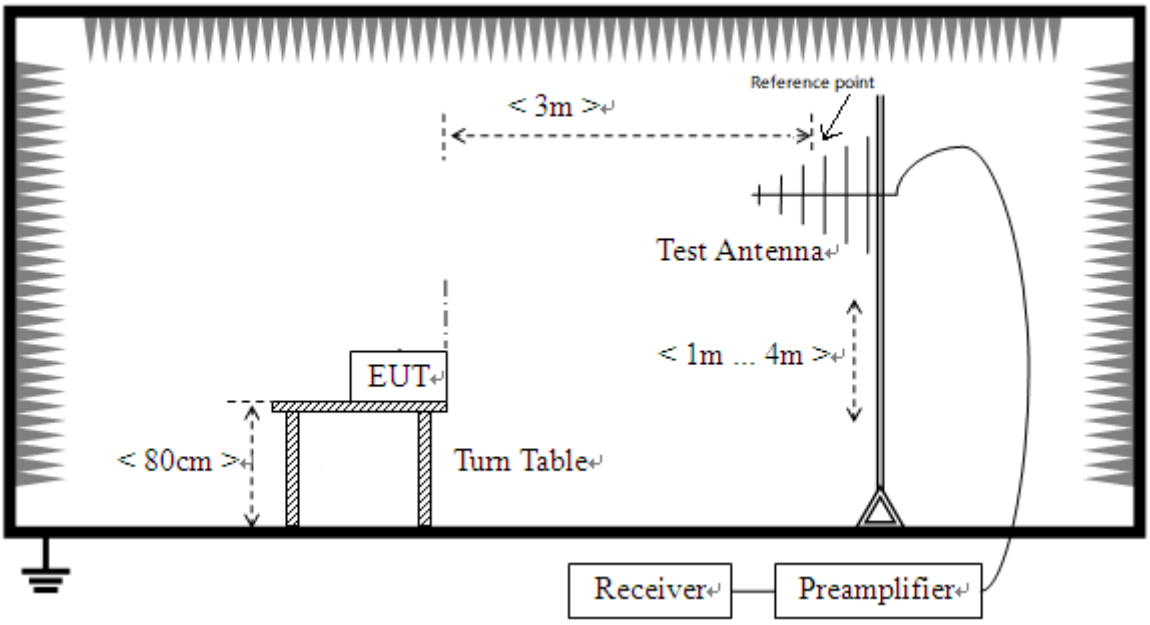
Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	Apple	A1465	N/A	N/A	N/A	☒
TF Card	Kingston	N/A	N/A	N/A	N/A	☒
SIM Card	N/A	N/A	N/A	N/A	N/A	☒
Earphone	N/A	N/A	N/A	N/A	N/A	☒

4.4 Test Configurations

Test Configurations (TC) No.	Description
TC01	The Camera Test Mode EUT + Battery + Adapter + TF Card + Earphone
TC02	The USB (PC to TF Card) Test Mode EUT + Battery + TF Card + Earphone + Laptop

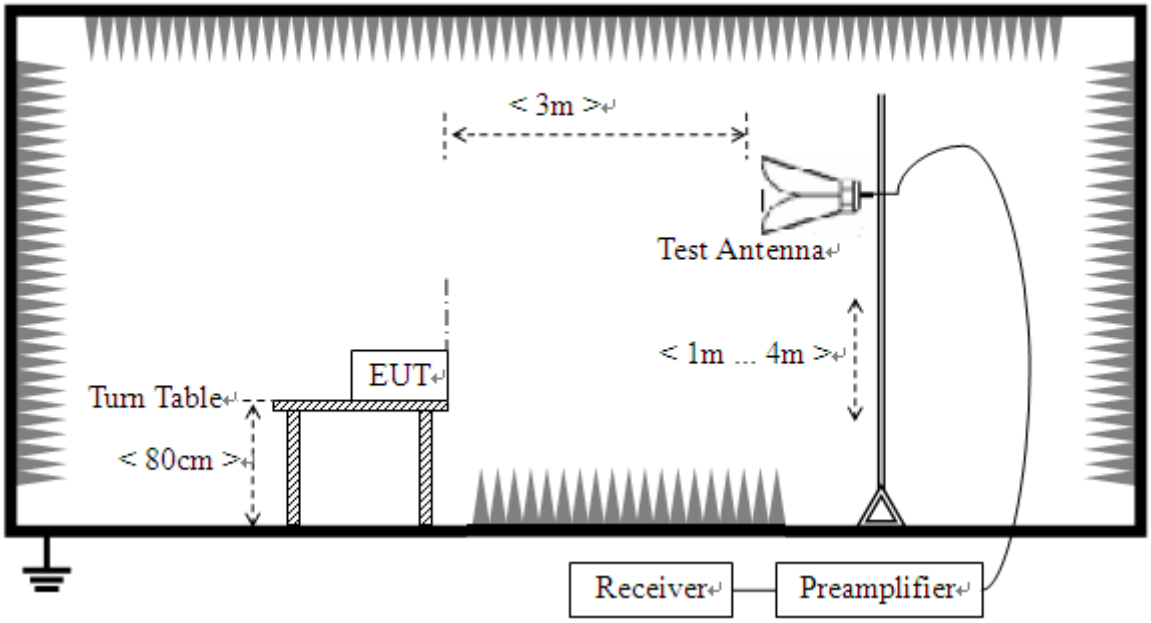
4.5 Test Setups

Test Setup 1



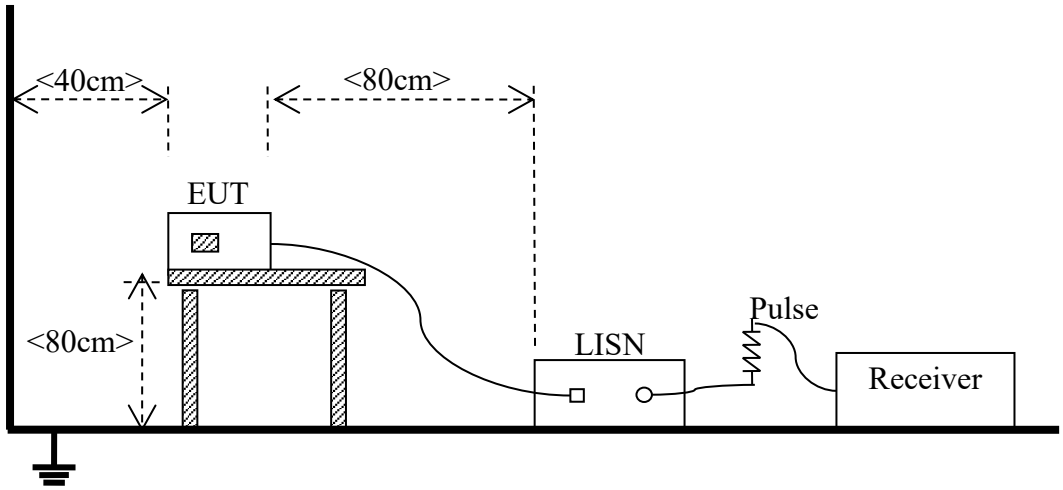
(For Radiated Emission Test (30 MHz-1 GHz))

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~TC02 Note
Conducted Emission, AC Ports	Test Env.	NTNV
	Test Setup	Test Setup 3
	Test Configuration	TC01~TC02 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) + 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/m) = Reading (dBuV) + Factor (dB/m)

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

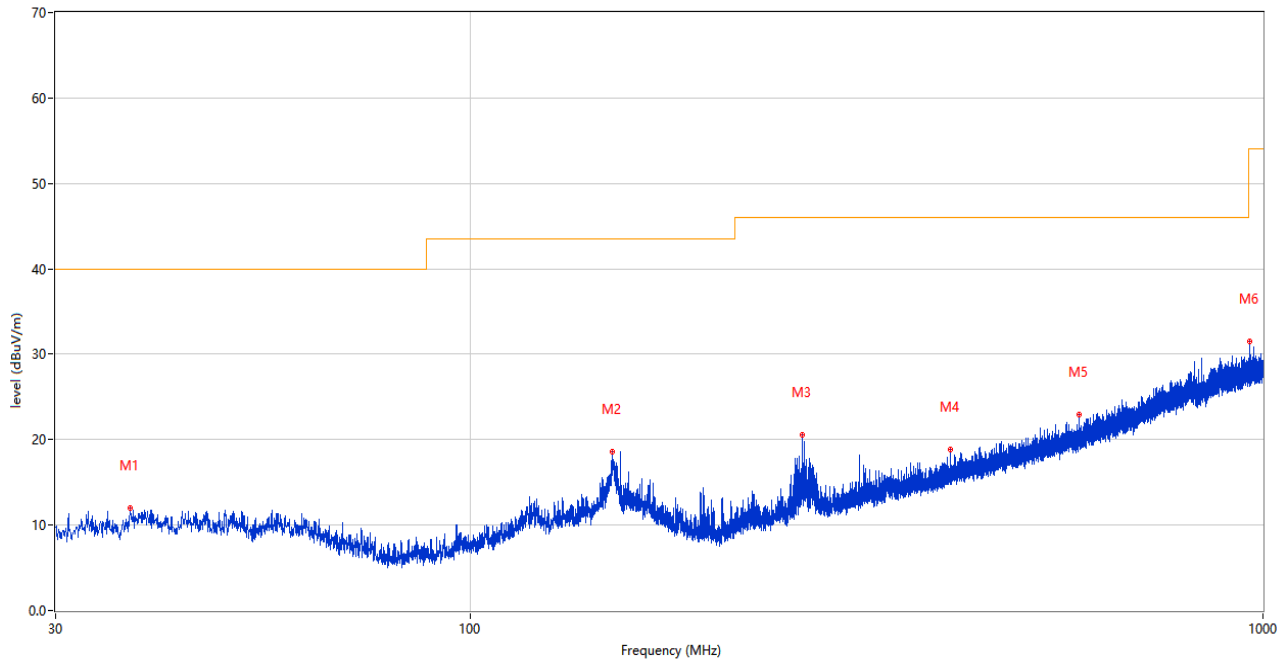
Note 1: The symbol of "--" in the table which means not application.

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.

Test Data and Plots

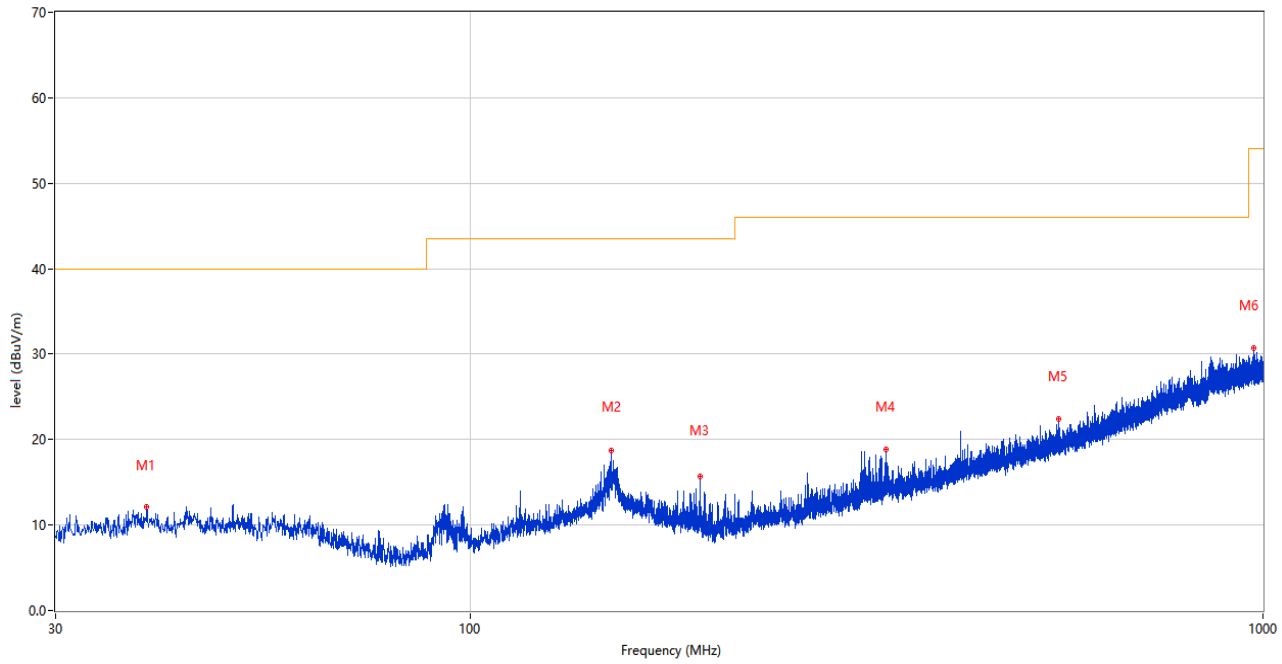
The Camera Test Mode

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



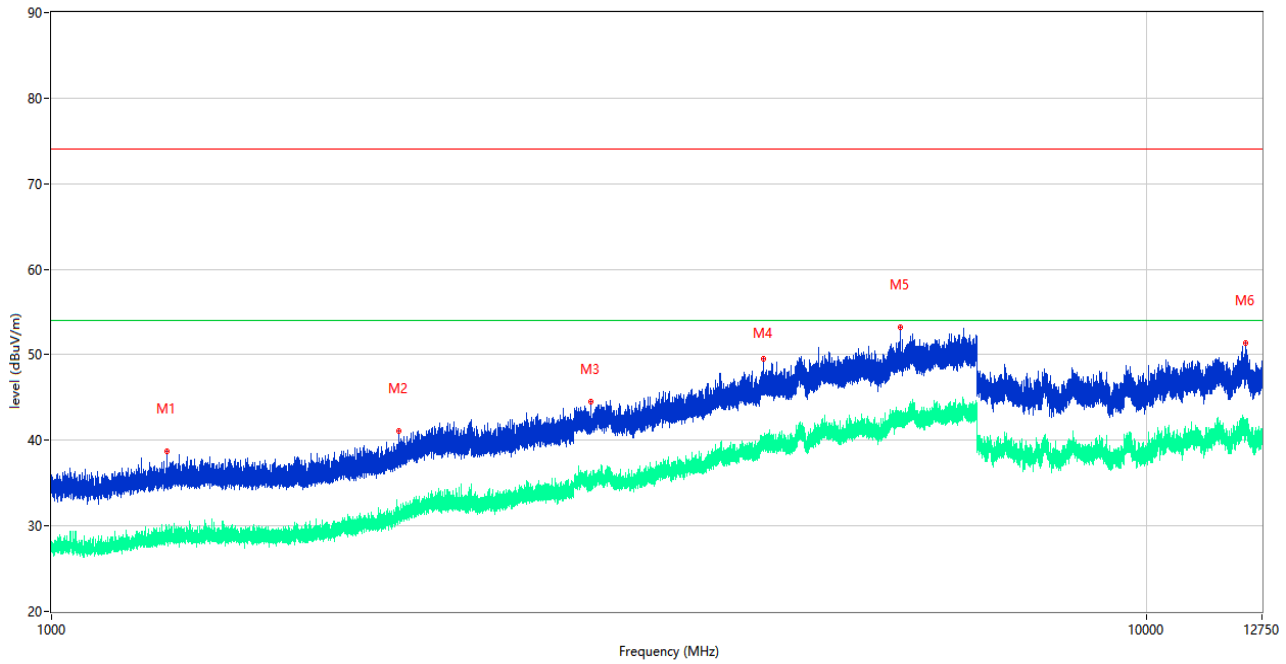
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.227	11.99	-26.32	40.0	-28.01	Peak	0.00	200	Vertical	Pass
2	150.911	18.55	-24.62	43.5	-24.95	Peak	91.00	100	Vertical	Pass
3	262.073	20.60	-26.03	46.0	-25.40	Peak	203.00	100	Vertical	Pass
4	403.450	18.89	-21.64	46.0	-27.11	Peak	303.00	100	Vertical	Pass
5	585.567	22.89	-17.35	46.0	-23.11	Peak	300.00	200	Vertical	Pass
6	963.043	31.49	-9.51	54.0	-22.51	Peak	149.00	200	Vertical	Pass

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



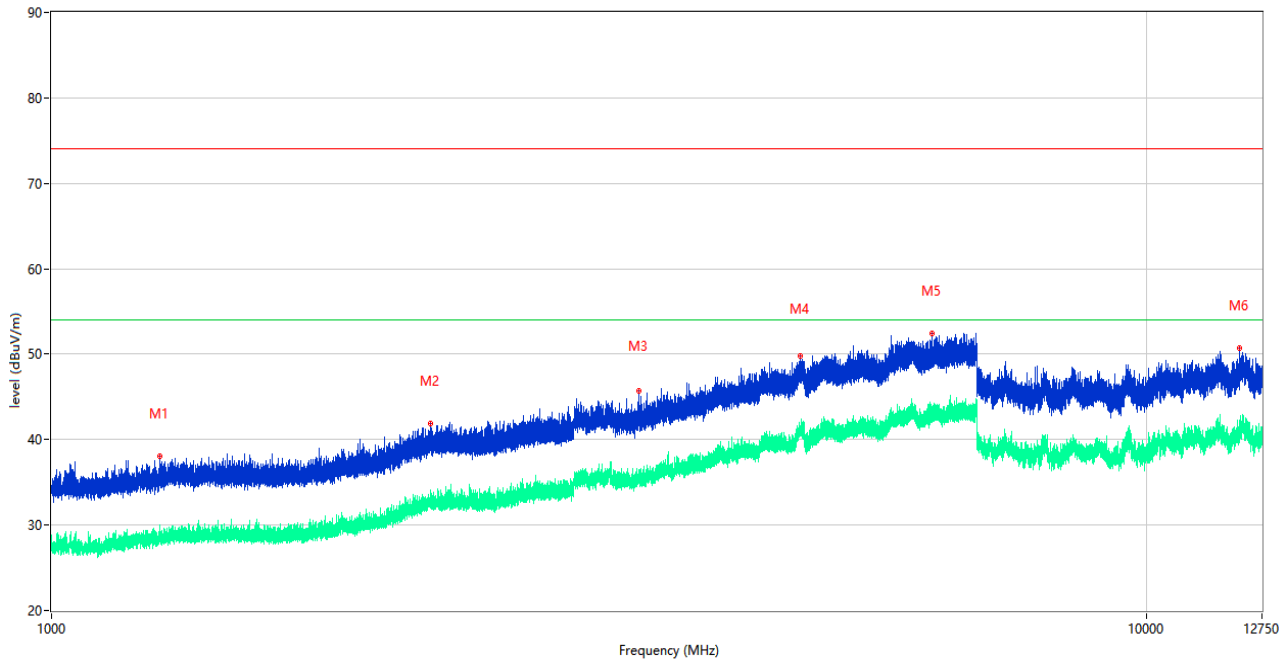
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	39.118	12.09	-26.10	40.0	-27.91	Peak	133.00	100	Horizontal	Pass
2	150.620	18.74	-24.67	43.5	-24.76	Peak	351.00	100	Horizontal	Pass
3	195.046	15.71	-28.46	43.5	-27.79	Peak	0.00	200	Horizontal	Pass
4	334.726	18.81	-23.33	46.0	-27.19	Peak	0.00	200	Horizontal	Pass
5	551.812	22.45	-18.02	46.0	-23.55	Peak	300.00	200	Horizontal	Pass
6	974.150	30.75	-9.36	54.0	-23.25	Peak	197.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1273.600	38.75	-17.86	74.0	-35.25	Peak	14.00	100	Vertical	Pass
1**	1273.600	29.05	-17.86	54.0	-24.95	AV	14.00	100	Vertical	Pass
2	2075.600	41.15	-15.49	74.0	-32.85	Peak	144.00	100	Vertical	Pass
2**	2075.600	31.26	-15.49	54.0	-22.74	AV	144.00	100	Vertical	Pass
3	3111.600	44.46	-9.15	74.0	-29.54	Peak	287.00	100	Vertical	Pass
3**	3111.600	35.17	-9.15	54.0	-18.83	AV	287.00	100	Vertical	Pass
4	4467.000	49.47	-4.81	74.0	-24.53	Peak	325.00	100	Vertical	Pass
4**	4467.000	39.59	-4.81	54.0	-14.41	AV	325.00	100	Vertical	Pass
5	5957.200	53.25	-2.13	74.0	-20.75	Peak	63.00	100	Vertical	Pass
5**	5957.200	42.14	-2.13	54.0	-11.86	AV	63.00	100	Vertical	Pass
6	12326.513	51.40	-0.58	74.0	-22.60	Peak	350.00	100	Vertical	Pass
6**	12326.513	41.98	-0.58	54.0	-12.02	AV	350.00	100	Vertical	Pass

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

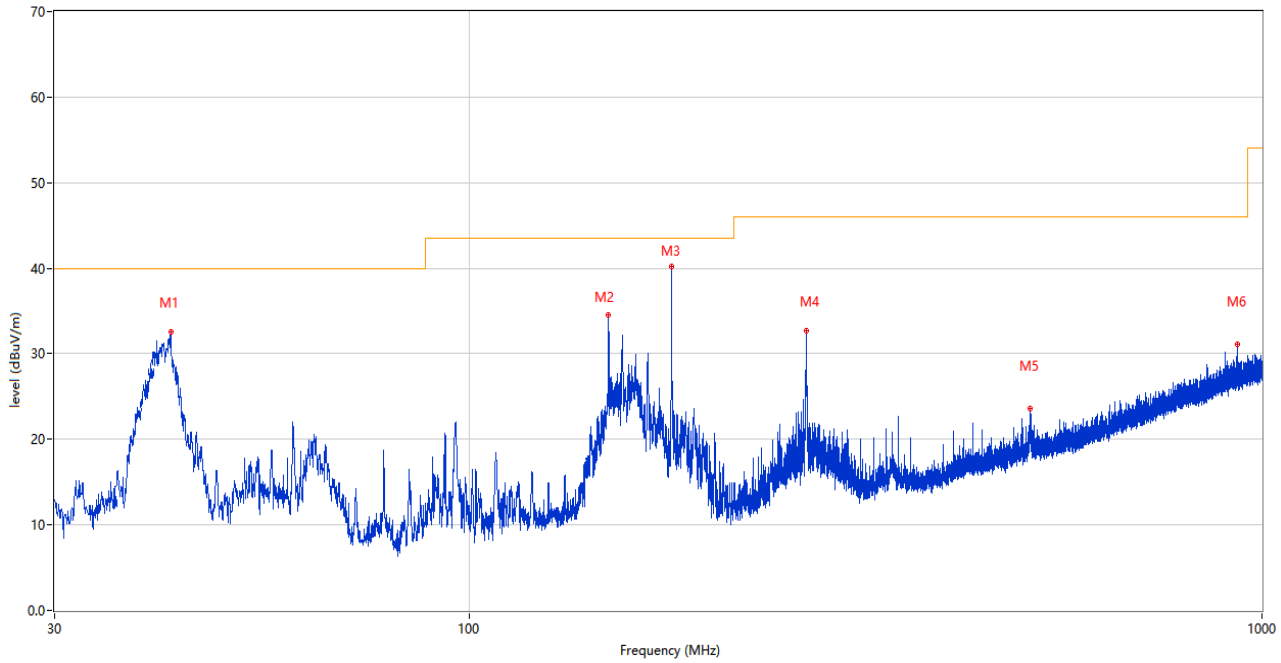


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1255.800	38.12	-17.89	74.0	-35.88	Peak	151.00	100	Horizontal	Pass
1**	1255.800	29.39	-17.89	54.0	-24.61	AV	151.00	100	Horizontal	Pass
2	2217.300	41.88	-13.26	74.0	-32.12	Peak	326.00	100	Horizontal	Pass
2**	2217.300	32.53	-13.26	54.0	-21.47	AV	326.00	100	Horizontal	Pass
3	3440.400	45.76	-9.00	74.0	-28.24	Peak	277.00	100	Horizontal	Pass
3**	3440.400	35.39	-9.00	54.0	-18.61	AV	277.00	100	Horizontal	Pass
4	4828.800	49.75	-4.13	74.0	-24.25	Peak	195.00	100	Horizontal	Pass
4**	4828.800	40.67	-4.13	54.0	-13.33	AV	195.00	100	Horizontal	Pass
5	6371.000	52.42	-2.40	74.0	-21.58	Peak	262.00	100	Horizontal	Pass
5**	6371.000	42.41	-2.40	54.0	-11.59	AV	262.00	100	Horizontal	Pass
6	12166.088	50.68	-0.91	74.0	-23.32	Peak	241.00	100	Horizontal	Pass
6**	12166.088	41.46	-0.91	54.0	-12.54	AV	241.00	100	Horizontal	Pass

Test Data and Plots

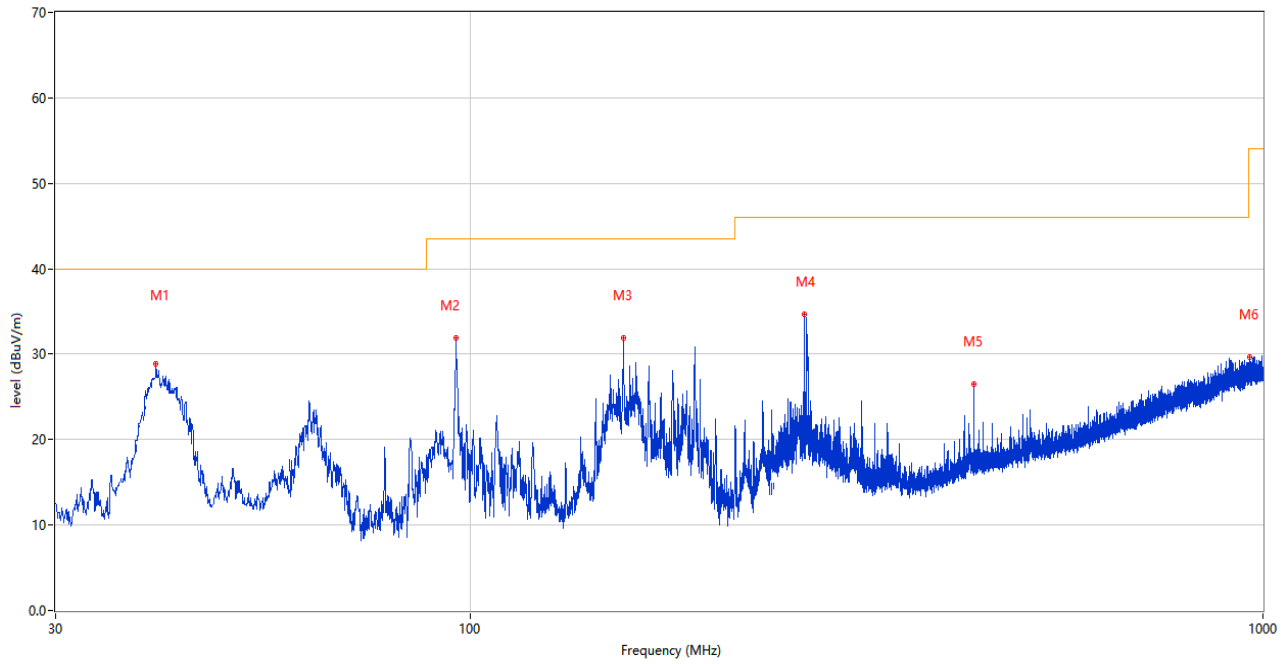
The USB Test Mode

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



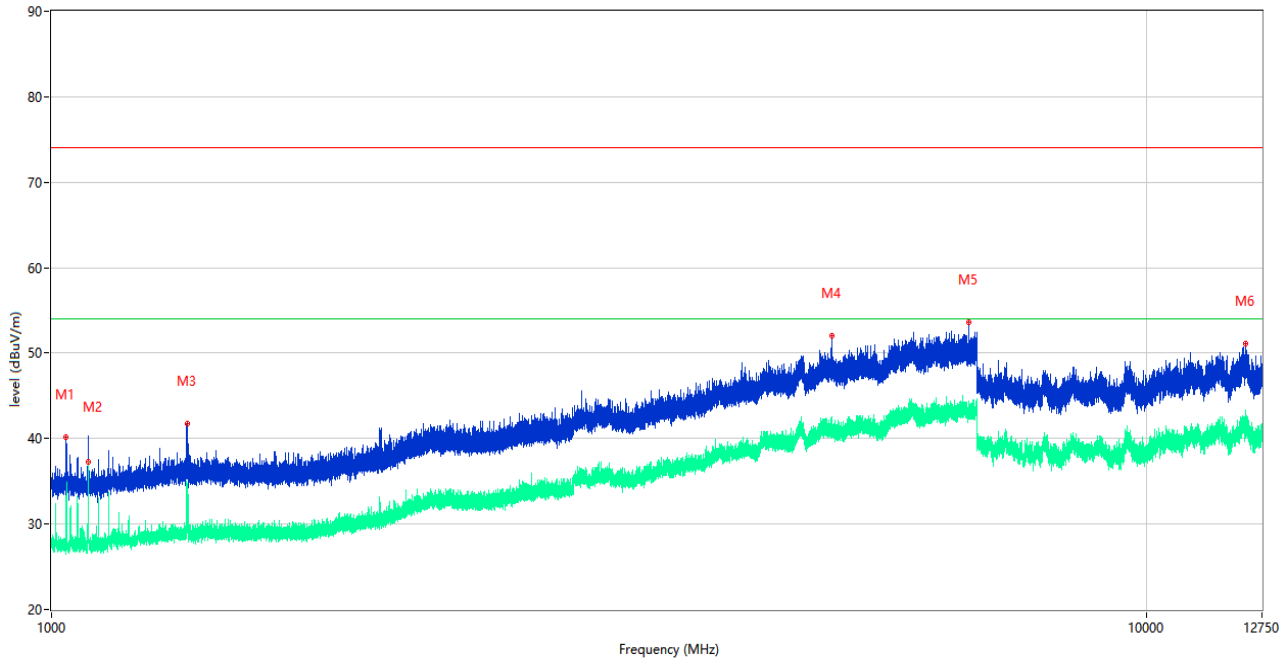
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	42.328	33.65	-26.37	40.0	-6.35	Peak	123.00	300	Vertical	Pass
2	150.729	35.90	-24.96	43.5	-7.60	Peak	97.00	100	Vertical	Pass
3	180.059	40.21	-27.30	43.5	-3.29	Peak	360.00	200	Vertical	Pass
4	266.383	32.64	-21.90	46.0	-13.36	Peak	342.00	200	Vertical	Pass
5	510.053	23.53	-17.47	46.0	-22.47	Peak	0.00	200	Vertical	Pass
6	931.033	31.06	-11.46	46.0	-14.94	Peak	102.00	100	Vertical	Pass

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



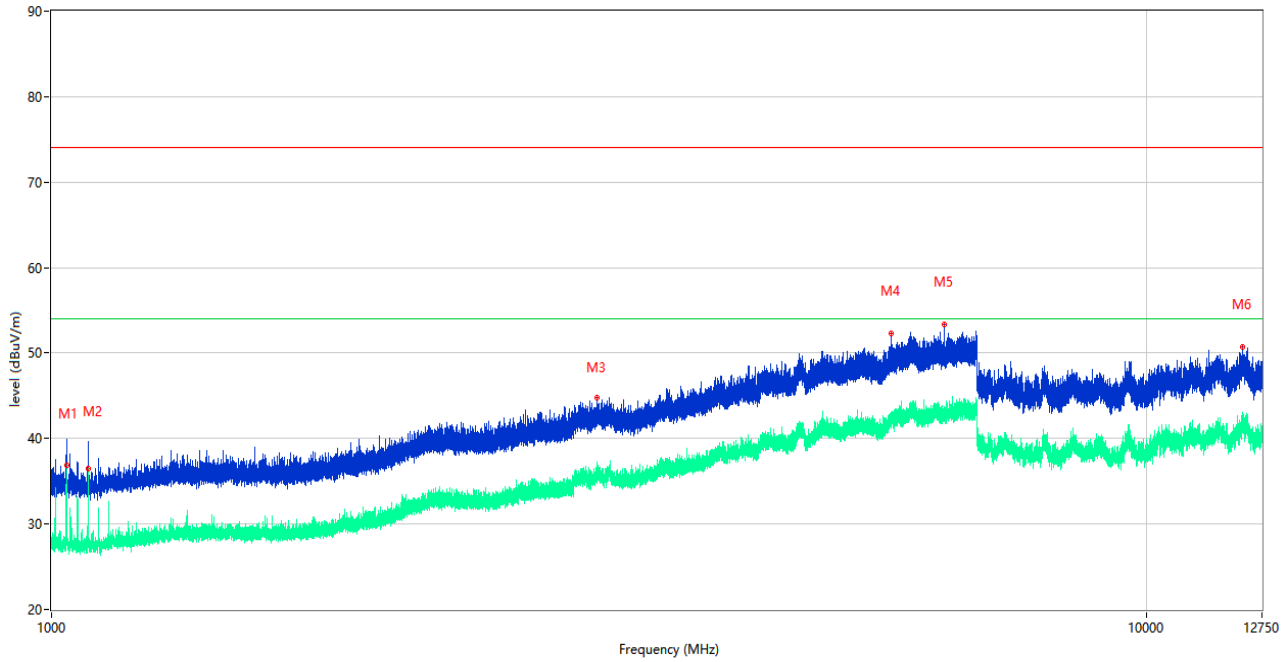
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.767	29.10	-26.11	40.0	-10.90	Peak	24.00	300	Horizontal	Pass
2	96.118	32.35	-27.29	43.5	-11.15	Peak	360.00	200	Horizontal	Pass
3	155.003	31.93	-24.92	43.5	-11.57	Peak	93.00	100	Horizontal	Pass
4	264.103	34.56	-25.09	46.0	-11.44	Peak	360.00	200	Horizontal	Pass
5	432.211	26.65	-22.15	46.0	-19.35	Peak	78.00	300	Horizontal	Pass
6	962.898	29.65	-9.77	54.0	-24.35	Peak	26.00	300	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 (Degree)	Height (cm)	Antenna	Verdict
1	1031.500	40.11	-18.50	74.0	-33.89	Peak	15.00	100	Vertical	Pass
1**	1031.500	31.75	-18.50	54.0	-22.25	AV	15.00	100	Vertical	Pass
2	1080.100	39.45	-18.68	74.0	-34.55	Peak	0.00	100	Vertical	Pass
2**	1080.100	37.26	-18.68	54.0	-16.74	AV	0.00	100	Vertical	Pass
3	1329.500	41.78	-17.82	74.0	-32.22	Peak	195.00	100	Vertical	Pass
3**	1329.500	29.30	-17.82	54.0	-24.70	AV	195.00	100	Vertical	Pass
4	5160.000	52.00	-3.79	74.0	-22.00	Peak	126.00	100	Vertical	Pass
4**	5160.000	41.01	-3.79	54.0	-12.99	AV	126.00	100	Vertical	Pass
5	6879.600	53.66	-1.88	74.0	-20.34	Peak	185.00	100	Vertical	Pass
5**	6879.600	43.14	-1.88	54.0	-10.86	AV	185.00	100	Vertical	Pass
6	12330.537	51.10	-0.69	74.0	-22.90	Peak	95.00	100	Vertical	Pass
6**	12330.537	41.85	-0.69	54.0	-12.15	AV	95.00	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 (Degree)	Height (cm)	Antenna	Verdict
1	1032.200	39.92	-18.51	74.0	-34.08	Peak	286.00	100	Horizontal	Pass
1**	1032.200	36.88	-18.51	54.0	-17.12	AV	286.00	100	Horizontal	Pass
2	1080.000	38.79	-18.68	74.0	-35.21	Peak	138.00	100	Horizontal	Pass
2**	1080.000	36.42	-18.68	54.0	-17.58	AV	138.00	100	Horizontal	Pass
3	3152.200	44.74	-8.61	74.0	-29.26	Peak	201.00	100	Horizontal	Pass
3**	3152.200	35.56	-8.61	54.0	-18.44	AV	201.00	100	Horizontal	Pass
4	5850.600	52.32	-2.84	74.0	-21.68	Peak	29.00	100	Horizontal	Pass
4**	5850.600	42.24	-2.84	54.0	-11.76	AV	29.00	100	Horizontal	Pass
5	6541.600	53.41	-2.59	74.0	-20.59	Peak	148.00	100	Horizontal	Pass
5**	6541.600	42.90	-2.59	54.0	-11.10	AV	148.00	100	Horizontal	Pass
6	12243.713	50.77	-0.24	74.0	-23.23	Peak	252.00	100	Horizontal	Pass
6**	12243.713	41.65	-0.24	54.0	-12.35	AV	252.00	100	Horizontal	Pass

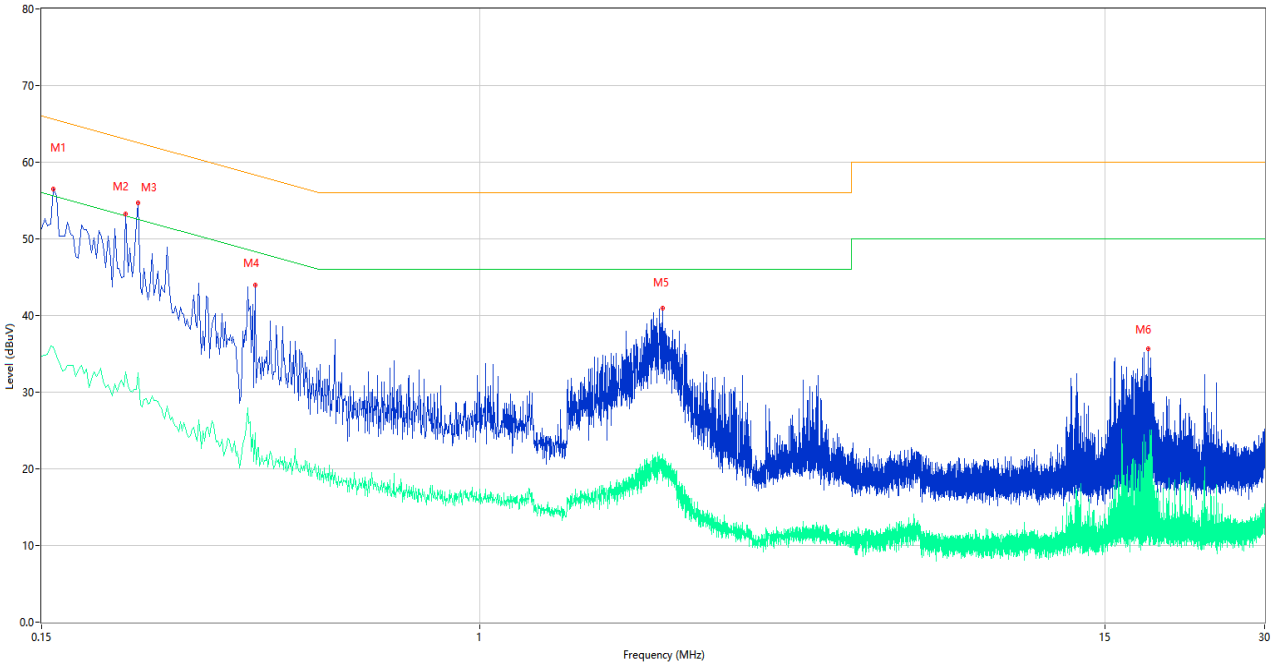
A.2 Conducted Emission

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

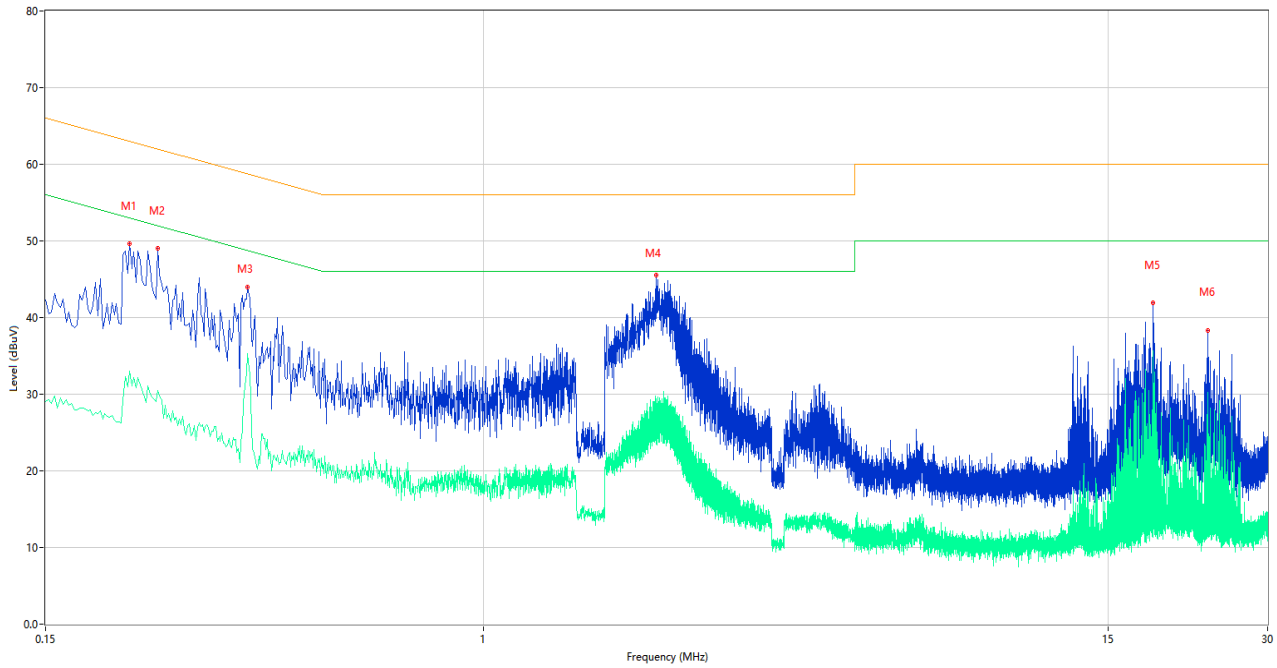
The Camera Test Mode

A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.158	56.51	10.02	65.57	-9.06	Peak	L	Pass
1**	0.158	35.91	10.02	55.57	-19.66	AV	L	Pass
2	0.216	53.27	9.97	62.97	-9.70	Peak	L	Pass
2**	0.216	32.62	9.97	52.97	-20.35	AV	L	Pass
3	0.228	54.66	10.00	62.52	-7.86	Peak	L	Pass
3**	0.228	32.53	10.00	52.52	-19.99	AV	L	Pass
4	0.378	43.93	10.03	58.32	-14.39	Peak	L	Pass
4**	0.378	24.66	10.03	48.32	-23.66	AV	L	Pass
5	2.210	40.93	10.06	56.00	-15.07	Peak	L	Pass
5**	2.210	20.55	10.06	46.00	-25.45	AV	L	Pass
6	18.134	35.67	10.14	60.00	-24.33	Peak	L	Pass
6**	18.134	17.90	10.14	50.00	-32.10	AV	L	Pass

A.2.2 N Phase

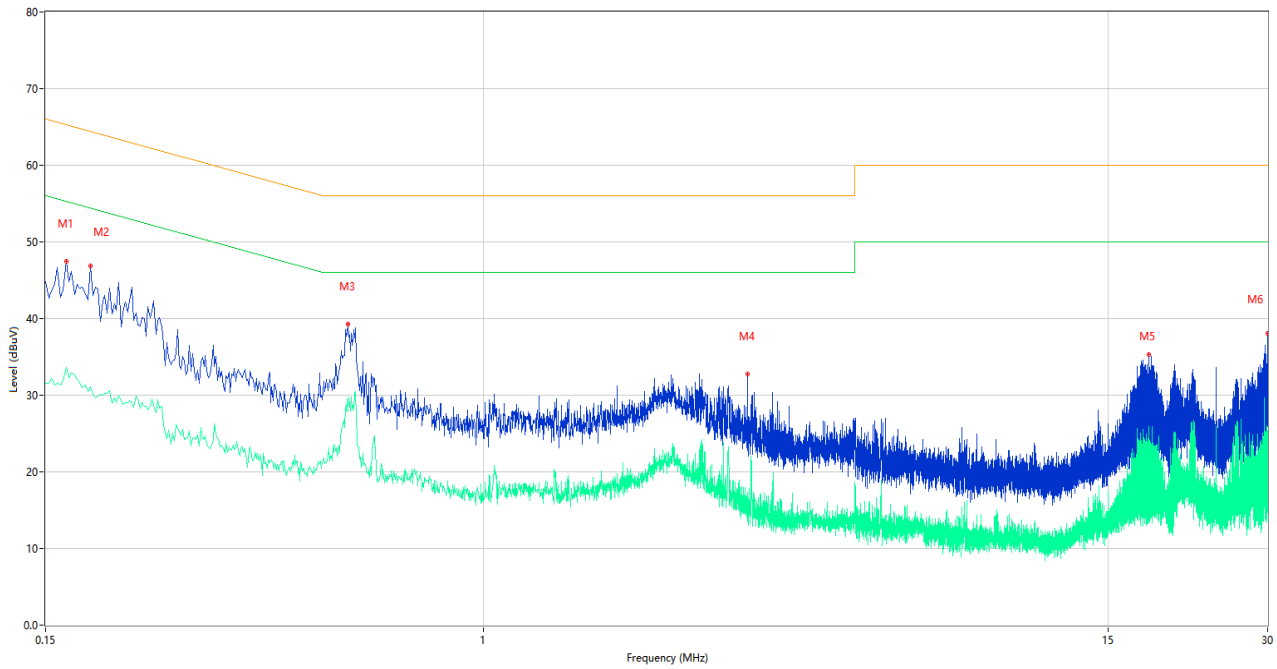


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.216	49.63	9.97	62.97	-13.34	Peak	N	Pass
1**	0.216	33.07	9.97	52.97	-19.90	AV	N	Pass
2	0.244	49.00	10.02	61.96	-12.96	Peak	N	Pass
2**	0.244	30.48	10.02	51.96	-21.48	AV	N	Pass
3	0.360	43.92	10.03	58.73	-14.81	Peak	N	Pass
3**	0.360	35.34	10.03	48.73	-13.39	AV	N	Pass
4	2.114	45.49	10.04	56.00	-10.51	Peak	N	Pass
4**	2.114	29.34	10.04	46.00	-16.66	AV	N	Pass
5	18.246	41.91	10.16	60.00	-18.09	Peak	N	Pass
5**	18.246	35.70	10.16	50.00	-14.30	AV	N	Pass
6	23.134	38.31	9.90	60.00	-21.69	Peak	N	Pass
6**	23.134	30.30	9.90	50.00	-19.70	AV	N	Pass

Test Data and Plots

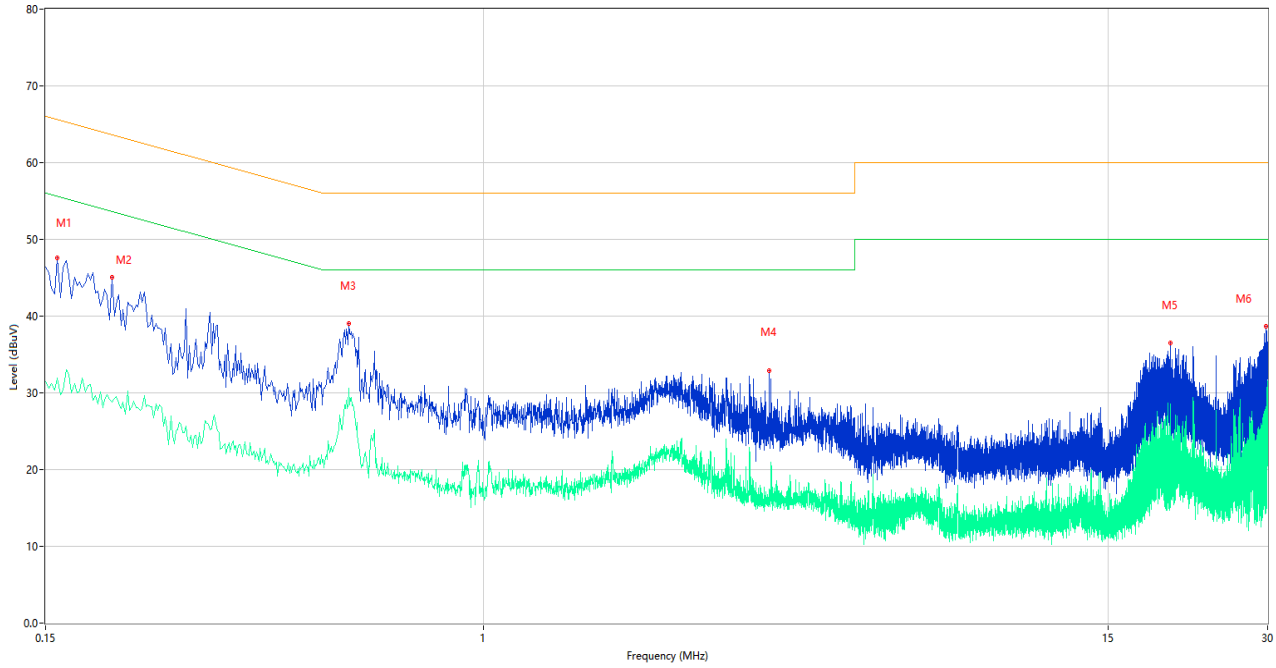
The USB Test Mode

A.2.3 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.164	47.51	9.88	65.26	-17.75	Peak	L	Pass
1**	0.164	33.67	9.88	55.26	-21.59	AV	L	Pass
2	0.182	46.83	9.93	64.39	-17.56	Peak	L	Pass
2**	0.182	31.14	9.93	54.39	-23.25	AV	L	Pass
3	0.556	39.26	9.98	56.00	-16.74	Peak	L	Pass
3**	0.556	27.81	9.98	46.00	-18.19	AV	L	Pass
4	3.148	32.76	9.99	56.00	-23.24	Peak	L	Pass
4**	3.148	17.32	9.99	46.00	-28.68	AV	L	Pass
5	17.910	35.27	10.17	60.00	-24.73	Peak	L	Pass
5**	17.910	25.93	10.17	50.00	-24.07	AV	L	Pass
6	29.990	38.03	10.16	60.00	-21.97	Peak	L	Pass
6**	29.990	17.65	10.16	50.00	-32.35	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	47.59	10.02	65.57	-17.98	Peak	N	Pass
1**	0.158	31.91	10.02	55.57	-23.66	AV	N	Pass
2	0.200	45.11	9.91	63.61	-18.50	Peak	N	Pass
2**	0.200	28.81	9.91	53.61	-24.80	AV	N	Pass
3	0.558	39.03	9.97	56.00	-16.97	Peak	N	Pass
3**	0.558	30.61	9.97	46.00	-15.39	AV	N	Pass
4	3.458	32.89	10.06	56.00	-23.11	Peak	N	Pass
4**	3.458	16.32	10.06	46.00	-29.68	AV	N	Pass
5	19.656	36.47	10.08	60.00	-23.53	Peak	N	Pass
5**	19.656	28.59	10.08	50.00	-21.41	AV	N	Pass
6	29.738	38.66	10.14	60.00	-21.34	Peak	N	Pass
6**	29.738	17.70	10.14	50.00	-32.30	AV	N	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2150569-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2150569-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2150569-AI.PDF”.

--END OF REPORT--