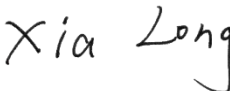


TEST REPORT

Applicant: Ningbo Sunvot Technology Co., Ltd
Address: Building 4, NO.79 Weisan Road, Beilun Xiaogang, Ningbo, Zhejiang
Equipment Type: 4G MiFi
Model Name: LF300
Brand Name: Inadria
FCC ID: 2AZGN-LF300-202302
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Feb. 01, 2023
Test Date: Feb. 06, 2023 - Feb. 22, 2023
Date of Issue: Mar. 02, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Zhang Guoxi**Checked by:** Xia Long**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Mar. 02, 2023</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	4
1.1	Test Laboratory	4
1.2	Test Location	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information	5
2.2	Manufacturer Information.....	5
2.3	Factory Information.....	5
2.4	General Description for Equipment under Test (EUT).....	5
2.5	Ancillary Equipment.....	6
2.6	Technical Information	6
3	SUMMARY OF TEST RESULTS	7
3.1	Test Standards	7
3.2	Verdict.....	7
3.3	Test Uncertainty	7
4	GENERAL TEST CONFIGURATIONS	8
4.1	Test Environments, Test Date and Test Engineer.....	8
4.2	Test Equipment List.....	8
4.3	Test Enclosure list	10
4.4	Test Configurations	11
4.5	Test Setups	12
4.6	Test Conditions.....	14
5	TEST ITEMS	15
5.1	Emission Tests	15
ANNEX A	TEST RESULTS.....	19

A.1	Radiated Emission.....	19
A.2	Conducted Emission.....	27
ANNEX B	TEST SETUP PHOTOS	31
ANNEX C	EUT EXTERNAL PHOTOS.....	31
ANNEX D	EUT INTERNAL PHOTOS.....	31

1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, 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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Ningbo Sunvot Technology Co., Ltd
Address	Building 4, NO.79 Weisan Road, Beilun Xiaogang, Ningbo, Zhejiang

2.2 Manufacturer Information

Manufacturer	N/A
Address	N/A

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	4G MiFi
Model Name Under Test	LF300
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

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Beiruite
	Model No.	T2500
	Serial No.	N/A
	Capacity	2500 mAh
	Rated Voltage	3.7 V
	Limit Charge Voltage	4.2 V
Ancillary Equipment 2	USB Cable	
	Model No	N/A
	Length (Approx.)	200mm

2.6 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 5 4G Network FDD LTE Band 5/7 WIFI 802.11b, 802.11g, 802.11n (HT20/40)
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The requirement for the following technical information of the EUT was tested in this report:

The Highest Speed of Processor	N/A
About the Product	The equipment is 4G MiFi, intended for used with information technology equipment.

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)	3.22 dB
Radiated emissions (30 MHz-1 GHz)-10m	4.80 dB
Radiated emissions (30 MHz-1 GHz)-3m	4.76 dB
Radiated emissions (1 GHz-18 GHz)-3m	4.88 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments, Test Date and Test Engineer

Test items	Voltage	Temperature	Relative Humidity	Ambient Pressure	Test Date	Test Engineer
Radiated Emission	AC 120V/60Hz DC 3.7V(battery)	19.8℃	56%	101kPa	Feb. 07, 2023	Tian Hengzhao
Conducted Emission	AC 230V/50Hz AC 120V/60Hz DC 3.7V(battery)	24.3℃	52%		Feb. 03, 2023	Ye Guangqi

4.2 Test Equipment List

Radiated Emission Test For Frequency Below 1 GHz (3m)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2022.09.09	2023.09.08	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2022.12.07	2023.12.06	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	☒
Anechoic Chamber	YIHENG	9m*6m*6m	142	2021.08.19	2024.08.18	☒
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V22.930		☒

Radiated Emission Test For Frequency Above 1 GHz (3m)						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	Agilent	N9038A	MY55330120	2022.09.07	2023.09.08	☒
Spectrum Analyzer	ROHDE & SCHWARZ	FSV40	101544	2022.01.04	2023.12.27	☒
Amplifier (1-12GHz)	Advanced Microwave	WLA652A	1740103	2022.09.07	2023.09.08	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2022.09.07	2023.09.08	☒
Amplifier (18-40GHz)	COM-MV	KA_LNA18-40G-01	18050001	2022.09.07	2023.09.08	☒
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01917	2022.06.09	2025.06.08	☒
Test Antenna-Horn	A-INFOMW	LB-180400KF	J211060273	2021.07.02	2024.07.01	☒
Anechoic Chamber	ChangNing	9m*6m*6m	142	2022.02.19	2024.08.18	☒
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V22.930		☒

Conducted disturbance Test						
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2022.09.09	2023.09.08	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2022.06.01	2023.05.31	☒
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18	☒
Description	Manufacturer	Name		Version		Use
Test Software	BALUN	BL410-E		V22.930		☒

4.3 Test Enclosure list

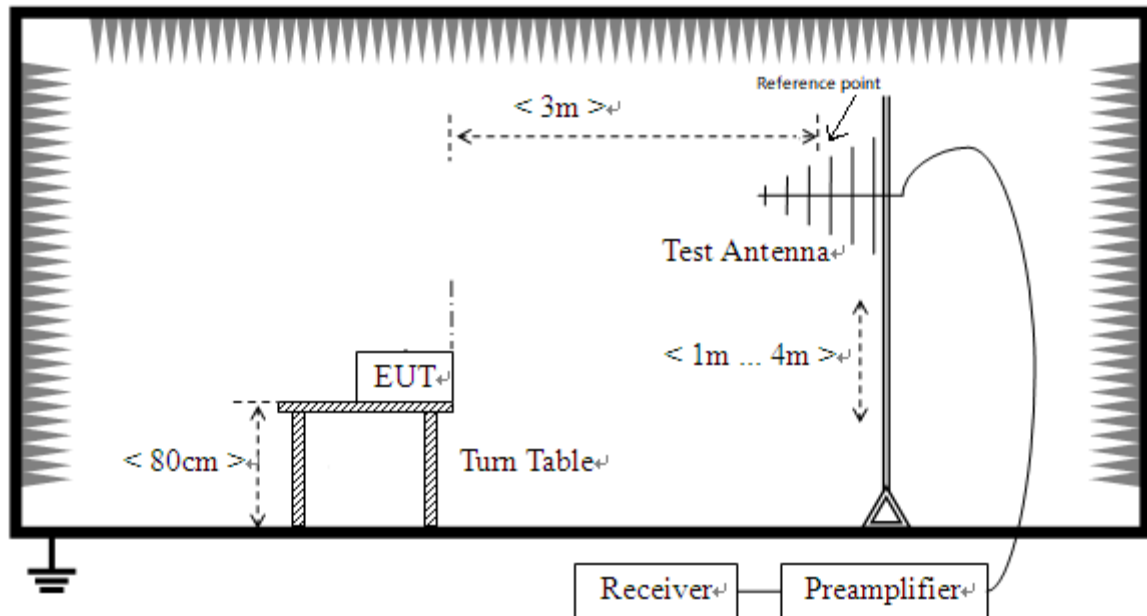
Description	Manufacturer	Model	Serial No.	Length	Description	Use
Wireless Communications Test Set	R&S	CMW500	127801	N/A	Cal. Due 2023.12.27	☒
Laptop	Apple	A1465	N/A	N/A	N/A	☒
Laptop	HONOR	N/A	N/A	N/A	N/A	☒
TF Card	Kingston	N/A	N/A	N/A	N/A	☒
Adapter	N/A	N/A	N/A	N/A	N/A	☒

4.4 Test Configurations

Test Configurations (TC) No.	Description
Traffic Test Mode	
TC01	<u>The WCDMA Band 5 Test Mode</u> WCDMA Band 5 IDLE+ Adapter + USB Cable + Battery + WIFI TX (2.4G)
TC02	<u>The FDD LTE Band 5 Test Mode</u> LTE Band 5 IDLE + Adapter + USB Cable + Battery + WIFI TX (2.4G)
TC03	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop+ TF Card

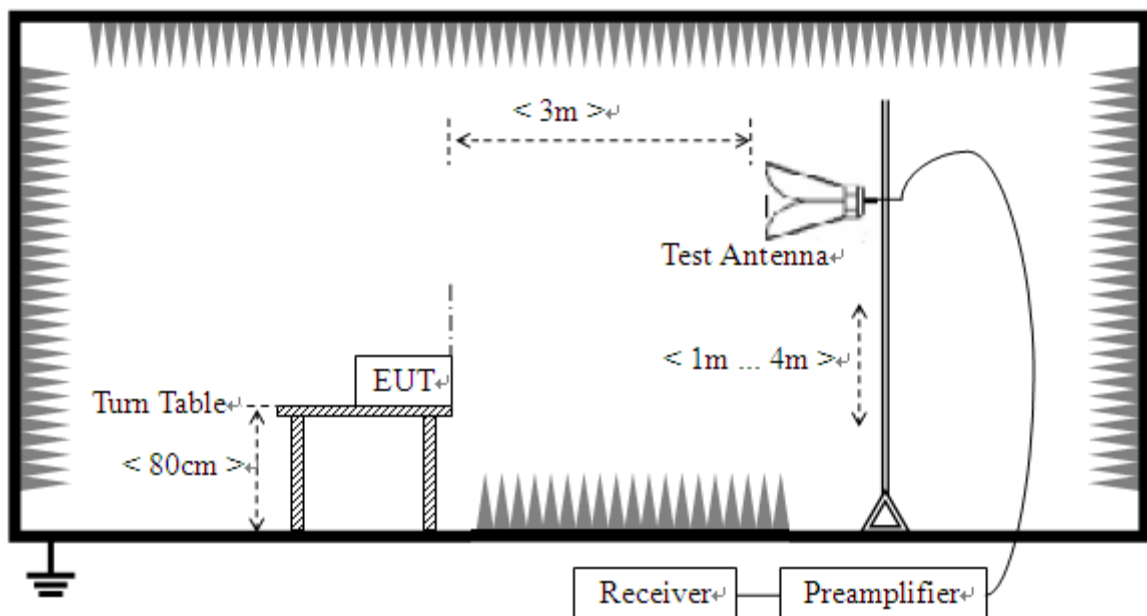
4.5 Test Setups

Test Setup 1

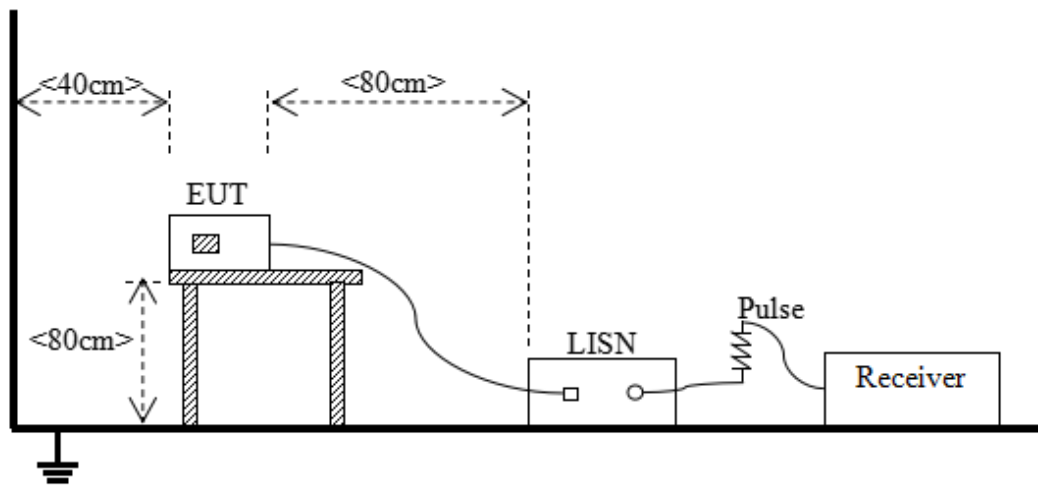


(For Radiated Emission Test (30 MHz-1 GHz))

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 Setup	Test Setup 1&2
	Test Configuration	TC01~TC03 ^{Note}
Conducted Emission, AC Ports	Test Setup	Test Setup 3
	Test Configuration	TC01~TC03 ^{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 FDD LTE Band 5 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 ($\mu\text{V/m}$)	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 $\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 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.

The measurement frequency range is from 30 MHz to the 5th harmonic of the maximum frequency of the EUT internal source. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1 \text{ GHz}$, 100 kHz for $f < 1 \text{ GHz}$

VBW $\geq$ RBW

Sweep = auto

Detector function = peak for $f < 1 \text{ GHz}$, peak & RMS Average for $f \geq 1 \text{ GHz}$

Trace = max hold

5.1.1.4 Test Result

Please refer to ANNEX A.1.

NOTE:

1. Results (dB μ V/m) = Reading (dB μ V/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 (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.

Use the following spectrum analyzer settings:

RBW = 9 kHz

VBW $\geq$ RBW

Sweep = 10ms

Detector function = peak & Average

Trace = max hold

5.1.2.4 Test Result

Please refer to ANNEX A.2.

NOTE:

1. Results (dB μ V) = Reading (dB μ V) + 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.

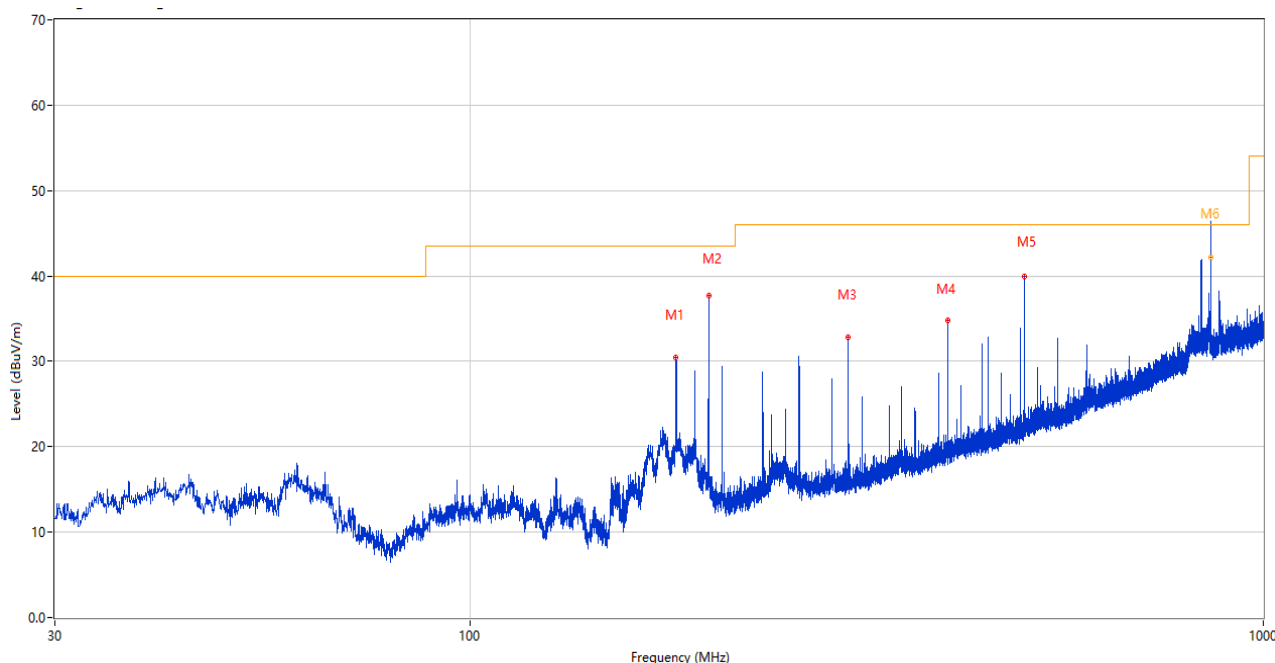
Note 3: The Radiated Emission from 18G-40G is noise only, do not show on the report.

Note 4: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

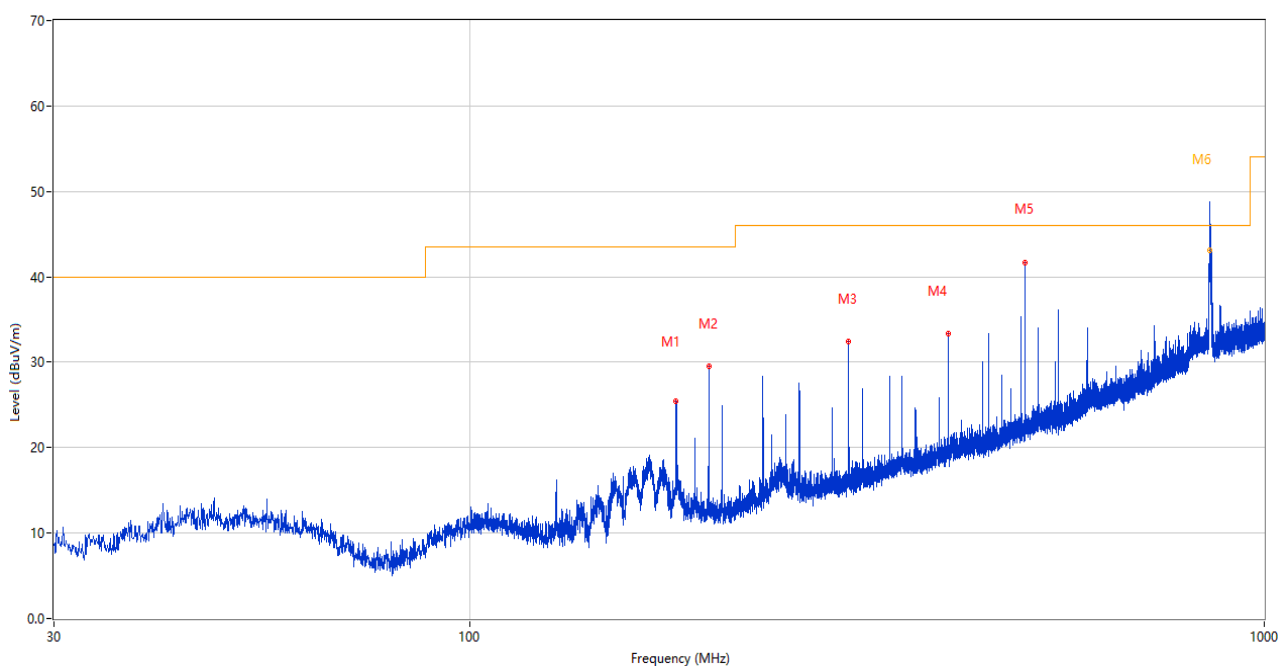
The WCDMA Band 5 Test Mode

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



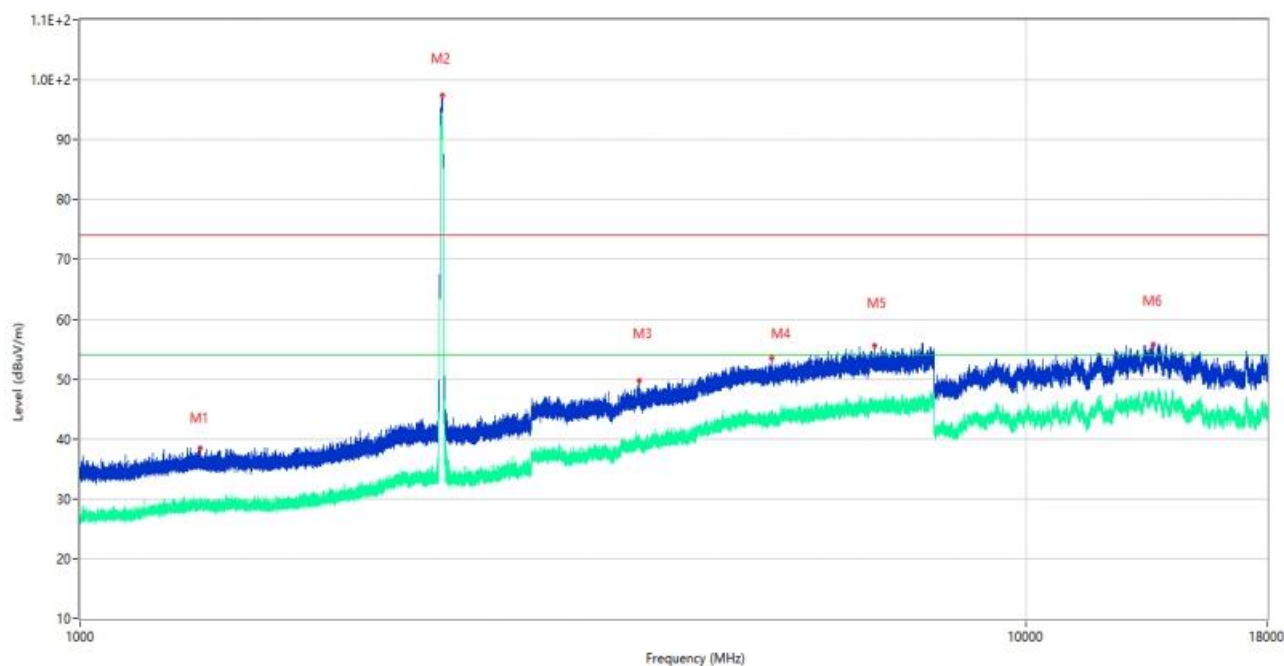
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	181.999	30.47	-26.22	43.5	13.03	Peak	108.00	100	Vertical	Pass
2	199.992	37.67	-24.07	43.5	5.83	Peak	110.00	100	Vertical	Pass
3	300.048	32.80	-20.69	46.0	13.20	Peak	187.00	200	Vertical	Pass
4	400.006	34.84	-17.53	46.0	11.16	Peak	56.00	100	Vertical	Pass
5	500.014	39.89	-14.68	46.0	6.11	Peak	127.00	100	Vertical	Pass
6	859.137	46.12	-5.16	46.0	-0.12	Peak	307.00	142	Vertical	N/A
6*	859.137	42.24	-5.16	46.0	3.76	QP	307.00	142	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 (Degree)	Height (cm)	Antenna	Verdict
1	181.999	25.41	-26.22	43.5	18.09	Peak	292.00	200	Horizontal	Pass
2	199.992	29.59	-24.07	43.5	13.91	Peak	116.00	100	Horizontal	Pass
3	300.000	32.46	-20.69	46.0	13.54	Peak	241.00	100	Horizontal	Pass
4	400.055	33.35	-17.53	46.0	12.65	Peak	262.00	100	Horizontal	Pass
5	500.014	41.59	-14.68	46.0	4.41	Peak	80.00	200	Horizontal	Pass
6	853.388	47.85	-4.02	46.0	-1.85	Peak	308.00	121	Horizontal	N/A
6*	853.388	42.81	-4.02	46.0	3.19	QP	308.00	121	Horizontal	Pass

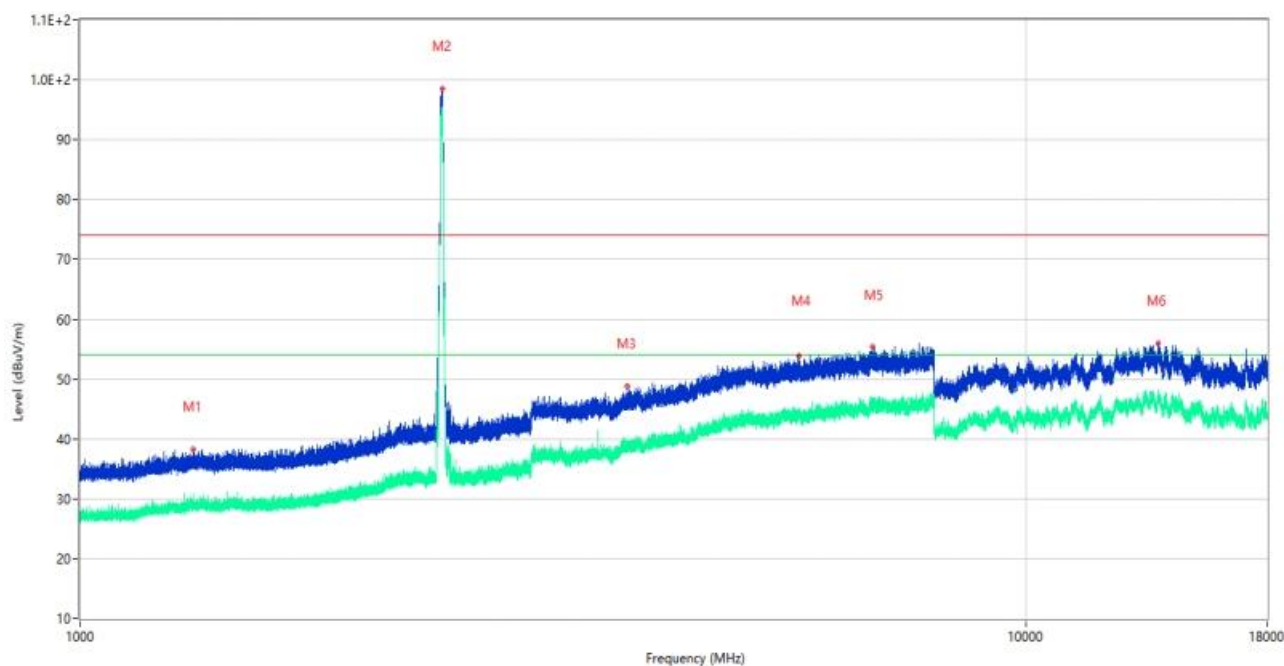
A.1.3 Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1339.500	38.48	-16.51	74.0	35.52	Peak	196.00	100	Vertical	Pass
1**	1339.500	28.64	-16.51	54.0	25.36	AV	196.00	100	Vertical	Pass
2	2415.300	97.36	-11.99	74.0	-23.36	Peak	326.00	100	Vertical	N/A
2**	2415.300	94.48	-11.99	54.0	-40.48	AV	326.00	100	Vertical	N/A
3	3905.250	49.82	-2.55	74.0	24.18	Peak	126.00	100	Vertical	Pass
3**	3905.250	39.71	-2.55	54.0	14.29	AV	126.00	100	Vertical	Pass
4	5382.750	53.43	1.16	74.0	20.57	Peak	73.00	100	Vertical	Pass
4**	5382.750	42.91	1.16	54.0	11.09	AV	73.00	100	Vertical	Pass
5	6925.500	55.57	1.61	74.0	18.43	Peak	292.00	100	Vertical	Pass
5**	6925.500	45.22	1.61	54.0	8.78	AV	292.00	100	Vertical	Pass
6	13635.000	55.71	5.01	74.0	18.29	Peak	326.00	100	Vertical	Pass
6**	13635.000	47.44	5.01	54.0	6.56	AV	326.00	100	Vertical	Pass

Note : This frequency which near 2400 MHz with circle should be ignored because they is WIFI carrier frequency.

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



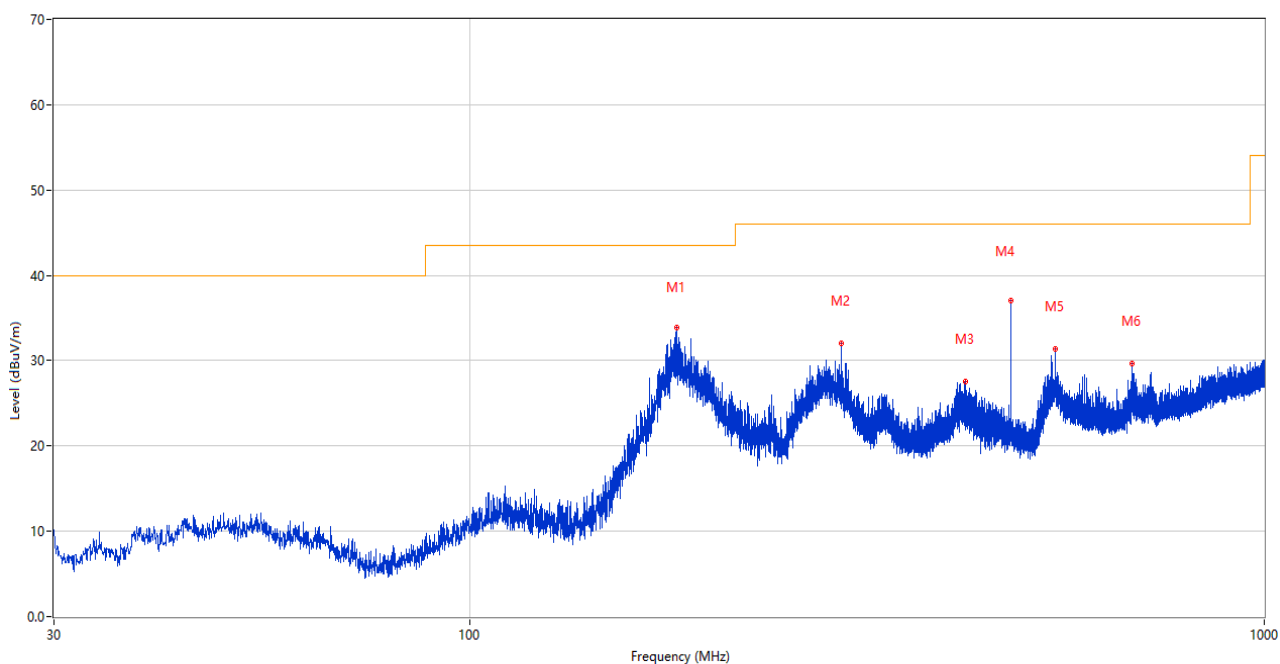
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1315.700	38.29	-16.43	74.0	35.71	Peak	59.00	100	Horizontal	Pass
1**	1315.700	29.14	-16.43	54.0	24.86	AV	59.00	100	Horizontal	Pass
2	2415.700	98.50	-11.97	74.0	-24.50	Peak	34.00	100	Horizontal	N/A
2**	2415.700	95.07	-11.97	54.0	-41.07	AV	34.00	100	Horizontal	N/A
3	3790.500	48.73	-3.34	74.0	25.27	Peak	159.00	100	Horizontal	Pass
3**	3790.500	39.52	-3.34	54.0	14.48	AV	159.00	100	Horizontal	Pass
4	5750.750	53.86	1.26	74.0	20.14	Peak	109.00	100	Horizontal	Pass
4**	5750.750	44.04	1.26	54.0	9.96	AV	109.00	100	Horizontal	Pass
5	6889.500	55.38	1.58	74.0	18.62	Peak	58.00	100	Horizontal	Pass
5**	6889.500	45.57	1.58	54.0	8.43	AV	58.00	100	Horizontal	Pass
6	13799.000	56.04	5.77	74.0	17.96	Peak	164.00	100	Horizontal	Pass
6**	13799.000	47.06	5.77	54.0	6.94	AV	164.00	100	Horizontal	Pass

Note : This frequency which near 2400 MHz with circle should be ignored because they is WIFI carrier frequency.

Test Data and Plots

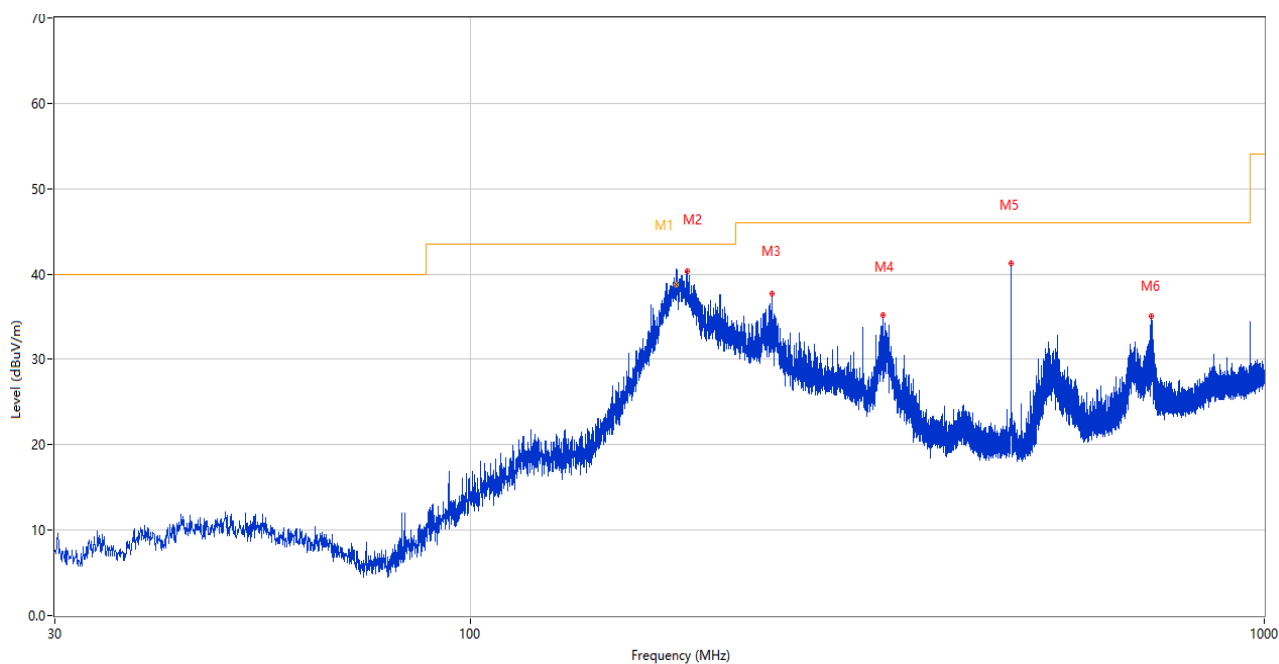
The USB Test Mode

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



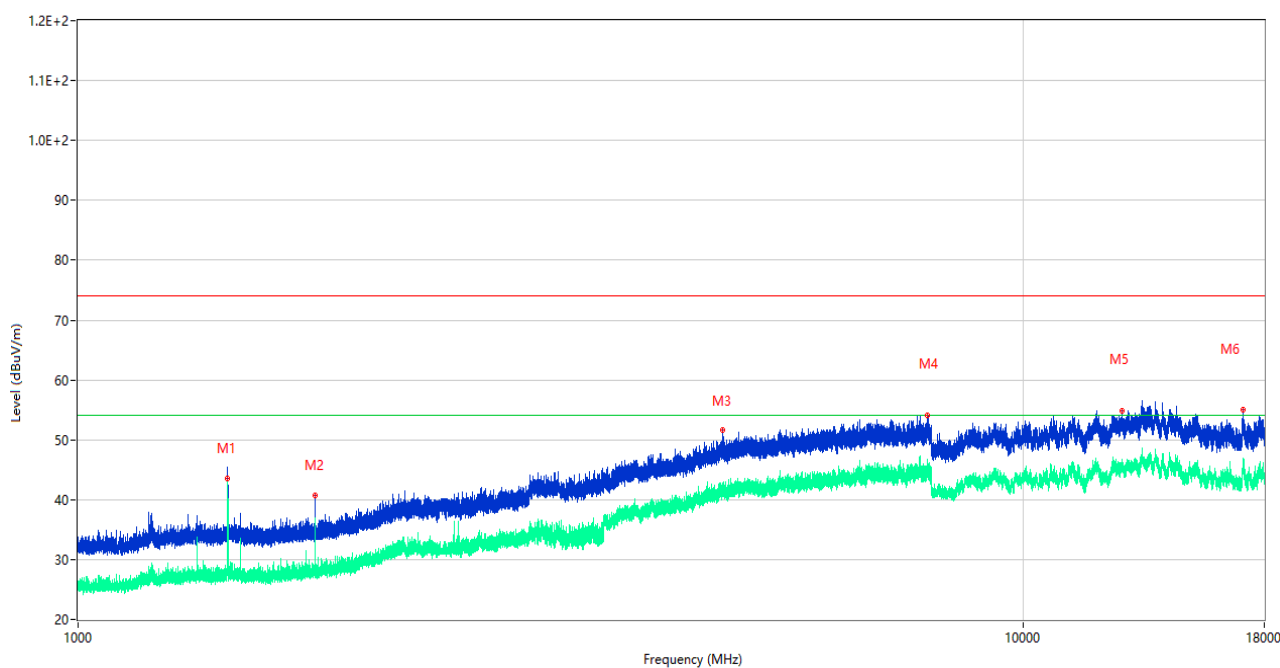
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	182.048	33.86	-28.30	43.5	9.64	Peak	283.00	200	Vertical	Pass
2	293.646	32.03	-23.84	46.0	13.97	Peak	326.00	200	Vertical	Pass
3	420.619	27.53	-20.35	46.0	18.47	Peak	131.00	100	Vertical	Pass
4	480.031	37.06	-19.19	46.0	8.94	Peak	74.00	100	Vertical	Pass
5	545.943	31.36	-17.66	46.0	14.64	Peak	104.00	100	Vertical	Pass
6	682.180	29.62	-14.29	46.0	16.38	Peak	235.00	100	Vertical	Pass

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



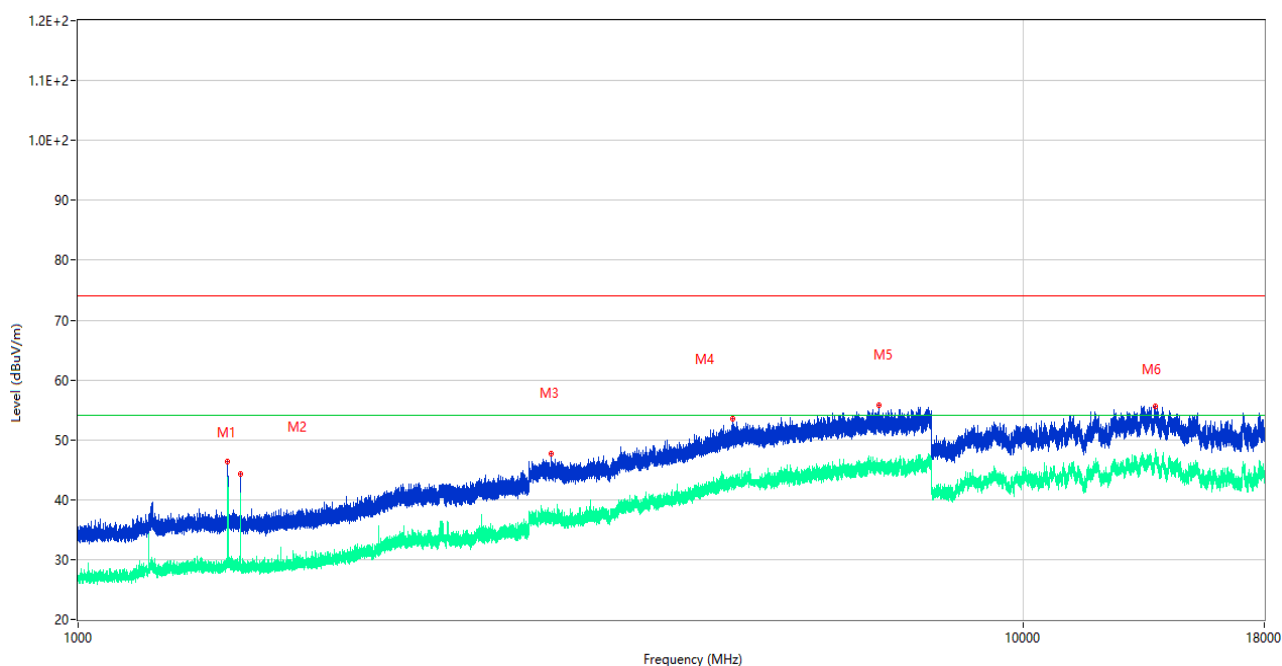
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	181.999	43.95	-28.30	43.5	-0.45	Peak	166.00	200	Horizontal	N/A
1*	181.999	38.81	-28.30	43.5	4.69	QP	166.00	200	Horizontal	Pass
2	187.480	40.37	-27.78	43.5	3.13	Peak	144.00	200	Horizontal	Pass
3	239.956	37.67	-25.16	46.0	8.33	Peak	0.00	100	Horizontal	Pass
4	330.651	35.22	-22.76	46.0	10.78	Peak	47.00	100	Horizontal	Pass
5	479.983	37.27	-19.19	46.0	8.73	Peak	31.00	100	Horizontal	Pass
6	721.076	35.10	-13.50	46.0	10.90	Peak	218.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	43.49	-16.67	74.0	30.51	Peak	162.00	100	Vertical	Pass
1**	1439.600	38.28	-16.67	54.0	15.72	AV	162.00	100	Vertical	Pass
2	1781.900	40.72	-16.18	74.0	33.28	Peak	173.00	100	Vertical	Pass
2**	1781.900	32.46	-16.18	54.0	21.54	AV	173.00	100	Vertical	Pass
3	4815.000	51.55	0.85	74.0	22.45	Peak	239.00	100	Vertical	Pass
3**	4815.000	41.75	0.85	54.0	12.25	AV	239.00	100	Vertical	Pass
4	7915.250	54.15	2.92	74.0	19.85	Peak	276.00	100	Vertical	Pass
4**	7915.250	44.66	2.92	54.0	9.34	AV	276.00	100	Vertical	Pass
5	12723.500	54.90	3.39	74.0	19.10	Peak	34.00	100	Vertical	Pass
5**	12723.500	45.51	3.39	54.0	8.49	AV	34.00	100	Vertical	Pass
6	17112.001	55.02	3.56	74.0	18.98	Peak	15.00	100	Vertical	Pass
6**	17112.001	45.38	3.56	54.0	8.62	AV	15.00	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	46.37	-16.67	74.0	27.63	Peak	207.00	100	Horizontal	Pass
1**	1439.600	39.90	-16.67	54.0	14.10	AV	207.00	100	Horizontal	Pass
2	1485.000	44.30	-16.62	74.0	29.70	Peak	147.00	100	Horizontal	Pass
2**	1485.000	39.71	-16.62	54.0	14.29	AV	147.00	100	Horizontal	Pass
3	3169.000	47.59	-5.93	74.0	26.41	Peak	87.00	100	Horizontal	Pass
3**	3169.000	36.67	-5.93	54.0	17.33	AV	87.00	100	Horizontal	Pass
4	4923.000	53.43	0.92	74.0	20.57	Peak	139.00	100	Horizontal	Pass
4**	4923.000	43.18	0.92	54.0	10.82	AV	139.00	100	Horizontal	Pass
5	7037.000	55.85	1.44	74.0	18.15	Peak	229.00	100	Horizontal	Pass
5**	7037.000	45.44	1.44	54.0	8.56	AV	229.00	100	Horizontal	Pass
6	13807.000	55.62	5.72	74.0	18.38	Peak	104.00	100	Horizontal	Pass
6**	13807.000	47.57	5.72	54.0	6.43	AV	104.00	100	Horizontal	Pass

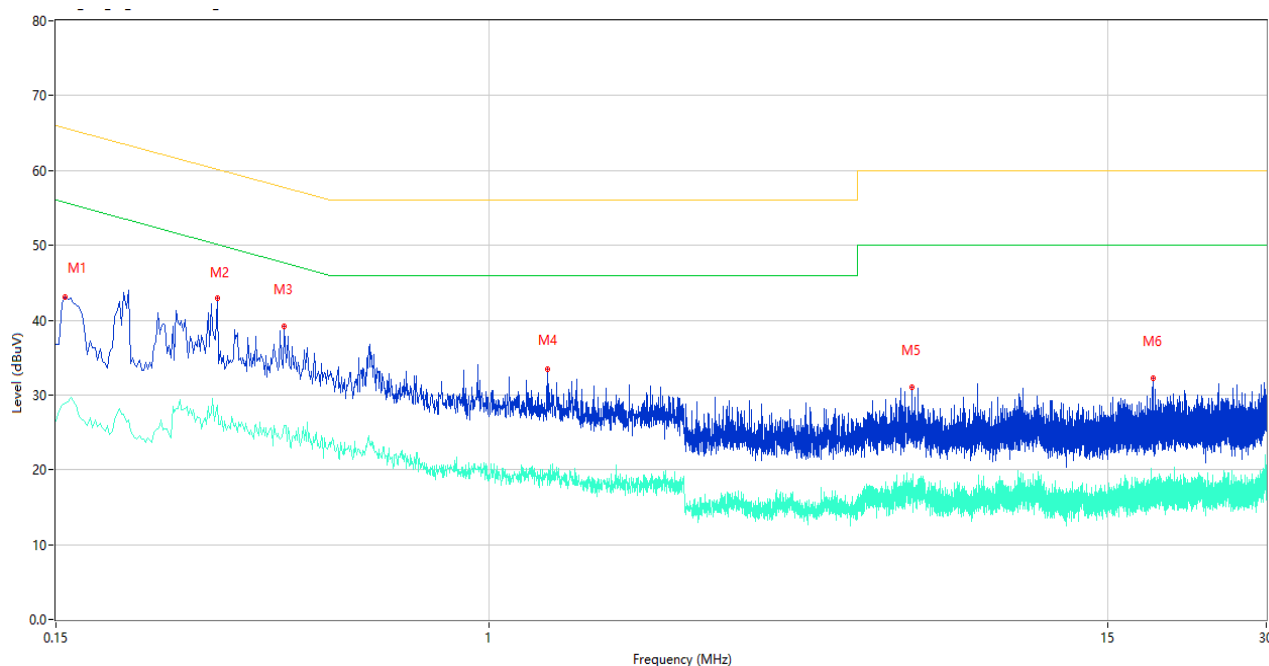
A.2 Conducted Emission

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

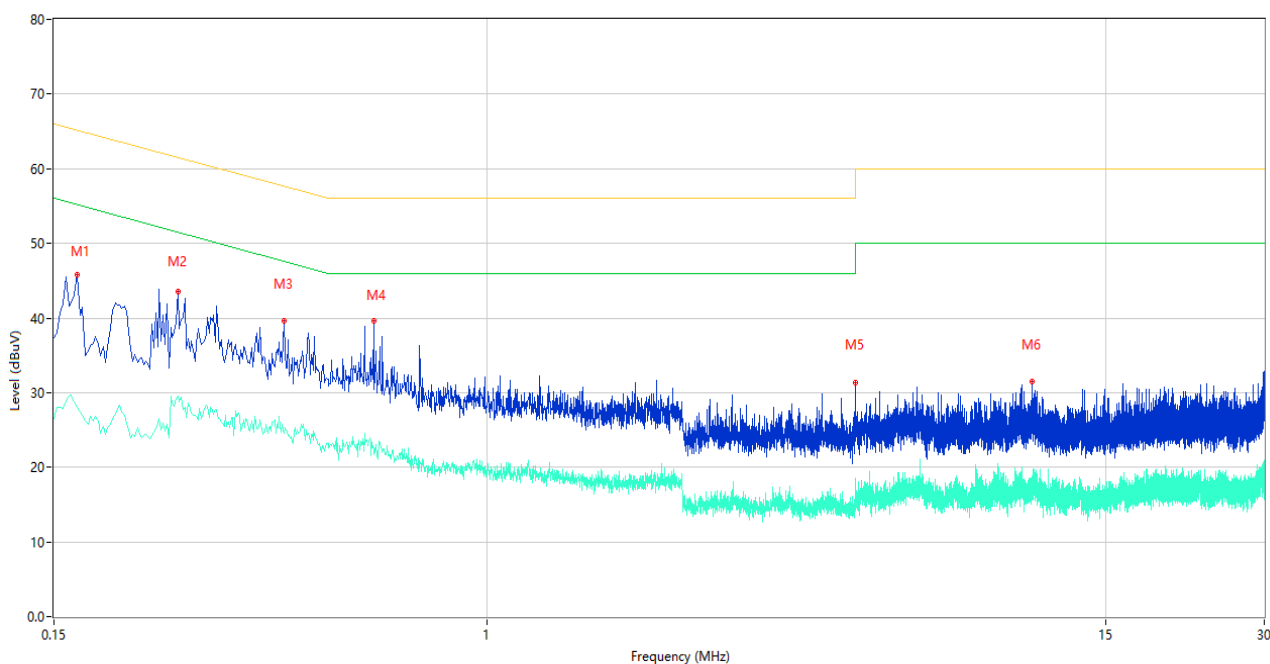
The WCDMA Band 5 Test Mode

A.2.1 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	43.13	10.18	65.67	22.54	Peak	L	Pass
1**	0.156	28.98	10.18	55.67	26.69	AV	L	Pass
2	0.304	42.91	10.04	60.13	17.22	Peak	L	Pass
2**	0.304	28.65	10.04	50.13	21.48	AV	L	Pass
3	0.408	39.11	10.60	57.69	18.58	Peak	L	Pass
3**	0.408	25.96	10.60	47.69	21.73	AV	L	Pass
4	1.288	33.37	10.24	56.00	22.63	Peak	L	Pass
4**	1.288	19.07	10.24	46.00	26.93	AV	L	Pass
5	6.362	31.03	10.47	60.00	28.97	Peak	L	Pass
5**	6.362	17.63	10.47	50.00	32.37	AV	L	Pass
6	18.270	32.25	10.49	60.00	27.75	Peak	L	Pass
6**	18.270	16.24	10.49	50.00	33.76	AV	L	Pass

A.2.2 N Phase

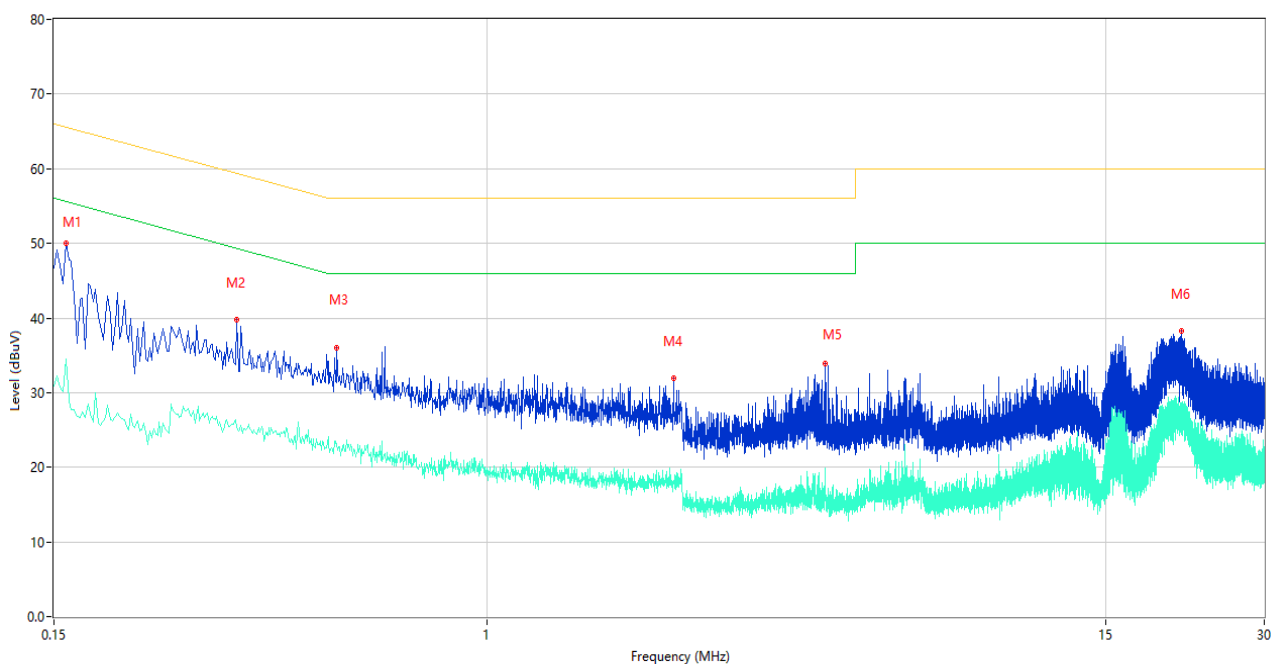


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.166	45.85	10.16	65.16	19.31	Peak	N	Pass
1**	0.166	27.98	10.16	55.16	27.18	AV	N	Pass
2	0.258	43.49	10.07	61.50	18.01	Peak	N	Pass
2**	0.258	29.54	10.07	51.50	21.96	AV	N	Pass
3	0.410	39.55	10.60	57.65	18.10	Peak	N	Pass
3**	0.410	24.51	10.60	47.65	23.14	AV	N	Pass
4	0.608	39.70	10.54	56.00	16.30	Peak	N	Pass
4**	0.608	22.41	10.54	46.00	23.59	AV	N	Pass
5	5.000	31.40	10.31	56.00	24.60	Peak	N	Pass
5**	5.000	16.46	10.31	46.00	29.54	AV	N	Pass
6	10.858	31.51	10.51	60.00	28.49	Peak	N	Pass
6**	10.858	18.30	10.51	50.00	31.70	AV	N	Pass

Test Data and Plots

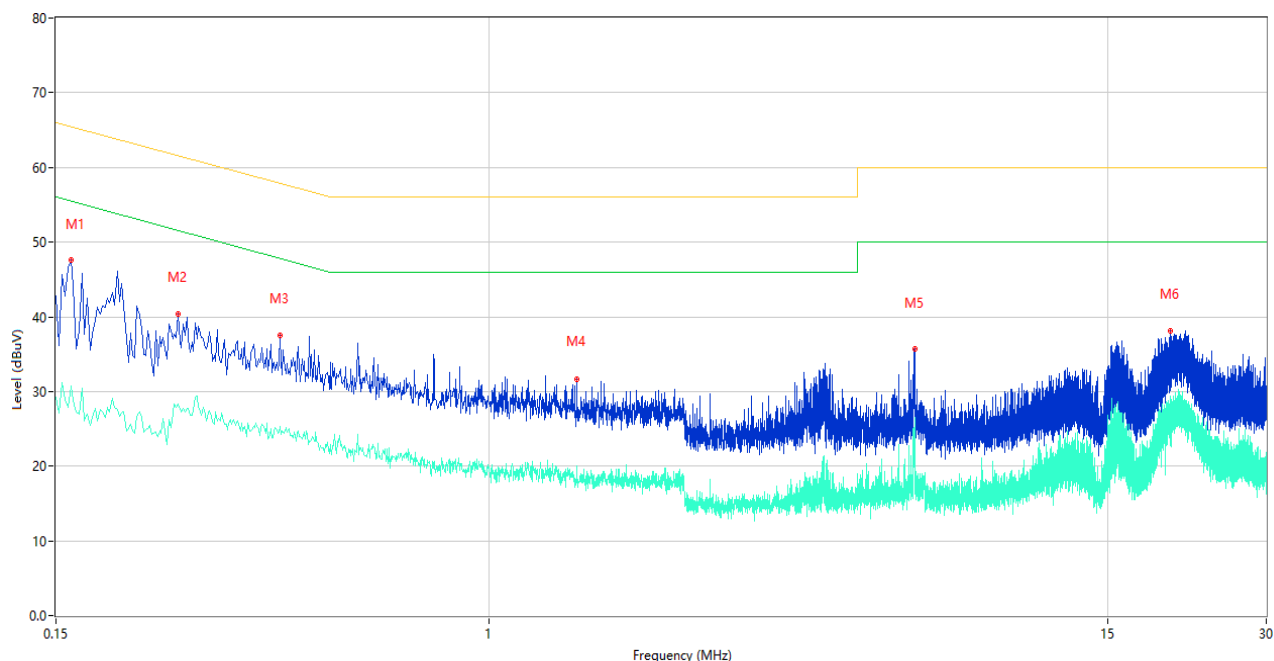
The USB Test Mode

A.2.3 L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	49.99	10.18	65.57	15.58	Peak	L	Pass
1**	0.158	34.55	10.18	55.57	21.02	AV	L	Pass
2	0.334	39.71	9.98	59.35	19.64	Peak	L	Pass
2**	0.334	25.40	9.98	49.35	23.95	AV	L	Pass
3	0.518	35.93	10.33	56.00	20.07	Peak	L	Pass
3**	0.518	23.18	10.33	46.00	22.82	AV	L	Pass
4	2.260	31.87	10.32	56.00	24.13	Peak	L	Pass
4**	2.260	17.79	10.32	46.00	28.21	AV	L	Pass
5	4.386	33.96	10.38	56.00	22.04	Peak	L	Pass
5**	4.386	19.47	10.38	46.00	26.53	AV	L	Pass
6	20.846	38.27	10.45	60.00	21.73	Peak	L	Pass
6**	20.846	27.56	10.45	50.00	22.44	AV	L	Pass

A.2.4 N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	47.62	10.17	65.46	17.84	Peak	N	Pass
1**	0.160	30.77	10.17	55.46	24.69	AV	N	Pass
2	0.256	40.35	10.07	61.56	21.21	Peak	N	Pass
2**	0.256	28.39	10.07	51.56	23.17	AV	N	Pass
3	0.400	37.51	10.62	57.85	20.34	Peak	N	Pass
3**	0.400	25.25	10.62	47.85	22.60	AV	N	Pass
4	1.468	31.71	10.29	56.00	24.29	Peak	N	Pass
4**	1.468	18.28	10.29	46.00	27.72	AV	N	Pass
5	6.440	35.67	10.26	60.00	24.33	Peak	N	Pass
5**	6.440	26.55	10.26	50.00	23.45	AV	N	Pass
6	19.708	38.07	10.56	60.00	21.93	Peak	N	Pass
6**	19.708	29.38	10.56	50.00	20.62	AV	N	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2310721-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2310721-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2310721-AI.PDF”.

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--END OF REPORT--