
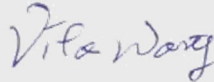





Test report No: 2360237R-E3012110001-A

FCC TEST REPORT

Product Name	Peplink Pepwave Wireless Product
Trademark	
Model and /or type reference	B One 5G B-ONE-5GN-T-PRM B One B-ONE-T-PRM B One Plus B-ONE-PLUS-LTE-US-T-PRM
FCC ID	U8G-P1AX23
Applicant's name / address	PISMO LABS TECHNOLOGY LIMITED A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong
Manufacturer's name / address	PISMO LABS TECHNOLOGY LIMITED A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart B:2021, Class A
Verdict Summary	IN COMPLIANCE
Documented By (Adm. Specialist / Vita Wang)	
Approved By (Director / Vincent Lin)	
Date of Report	2023/06/07
Date of Issue	2024/03/05
Report No.	2360237R-E3012110001-A
Report Version	V1.0

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Test Photos: Please refer to the file: 2360237R-E3012110001-A -Test Photos

Product Photos: Please refer to the file: 2360237R-Product Photos

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions


1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.



Revision History

Report No.	Version	Description	Issued Date
2360237R-E3012110001-A	V1.0	Initial issue of report.	2024-03-05

1. General Information

1.1. EUT Description

Product Name	Peplink Pepwave Wireless Product	
Trademark		
Model No.	B One 5G B-ONE-5GN-T-PRM B One B-ONE-T-PRM B One Plus B-ONE-PLUS-LTE-US-T-PRM	
EUT Max Frequency	5850 MHz	
EUT Rated Voltage	Power Port	DC 10~30V AC 120V/60Hz to DC 12V (Power by adapter)
EUT Test Voltage	DC 30V AC 120V/60Hz to DC 12V (Power by adapter)	

Component	
Power Adapter (1)	MFR: FLYPOWER M/N: PS36LA120K3000UD Input: 100-240V~ 50/60Hz, 1.0A Output: 12.0V  3.0A, 36.0W Cable Out: Non-Shielded. 1.5m
Power Adapter (2)	MFR: Zhuzhou Dachuan Electronic Technology Co.,Ltd. M/N: DCT36W120300ZZ-D2 Input: 100-240V~ 50/60Hz, 1.0A Output: 12.0V  3.0A, 36.0W Cable Out: Non-Shielded. 1.5m
Bluetooth Antenna	MFR: Airgain M/N: N01AKACE Antenna Type: Embedded
WLAN Antenna	MFR: INPAQ M/N: RFDPA191300SBLB813 Antenna Type: Omni-directional
Cellular Antenna	MFR: INPAQ M/N: DAM-D3-B3-N0-000-58-13 Antenna Type: Omni-directional

Note: The EUT is available in different model names for marketing purposes. The identification of test sample is B One 5G.

Model	WWAN module	WWAN function	WIFI function	BT function
B One 5G	Quectel RM520N-GL	V	V	V
B-ONE-5GN-T-PRM				
B One	N/A	N/A	V	V
B-ONE-T-PRM				
B One Plus	Quectel EC25-AFXD	V	V	V
B-ONE-PLUS-LTE-US-T-PRM				

1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode
Mode 1: B One 5G, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function + WWAN Link 5G NR n77 + Cellular Sim Card Slot-A, Molex Power port, DC 12V Power Adapter (1)
Mode 2: B One 5G, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function + WWAN Link 5G NR n77 + Cellular Sim Card Slot-A, Molex Power port, DC 12V Power Adapter (2)
Mode 3: B One 5G, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function + WWAN Link LTE B38 + Cellular Sim Card Slot-A, Molex Power port, DC 10V
Mode 4: B One 5G, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function + WWAN Link WCDMA B2 + Cellular Sim Card Slot-A, Molex Power port, DC 30V
Mode 5: B One 5G, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function + WWAN Idle + Cellular Sim Card Slot-A, Molex Power port, DC 30V
Mode 6: B One, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function, Molex Power port, DC 30V
Mode 7: B One Plus, Normal Operation(LAN 1Gbps + WAN 1Gbps + WiFi 2.4G + WiFi 5G + BT + USB Type C Discharge Function + WWAN Link WCDMA B2 + Cellular Sim Card Slot-A, Molex Power port, DC 30V
Final Test Mode
Conducted Emission
Mode 1
Radiated Emission
Mode 4

Note:

1. Refer to Certified Cellular module report worst band to test.
2. The worst Sim Card Slot is Slot-A.
3. This product supports client/master mode, but it does not affect EMC testing after evaluation.

1.3. Configuration & Details of Tested System

Items	Conducted Emission Radiated Emission (Above 1GHz)			
Connection Diagram				
Tested System Details				
Product	Manufacturer	Model No.	No.	Cable Type & Description
Notebook PC*4	DELL	Latitude E5440	A	LAN*4, non-Shielded 3m
Load	N/A	KZ35	B	USB-C, shielded 0.4m
Wireless Router	ASUS	ROG GAPTURE GT-AXE11000	C	LAN*2, non-Shielded 3m
Notebook PC	Lenovo	TP00116D	D	LAN, non-Shielded 1m
Notebook PC*2	Lenovo	ThinkPad T490		
SIM Card	N/A	N/A		
Wireless Devices Inf.				
Product	Manufacturer	Model No.		
UXM 5G Wireless Test Platform	Keysight	E7515B		
Base Station	R&S	CMW500		
Mobile Phone	Realme	Narzo 50i		

CBS: Cambridge SoundWorks

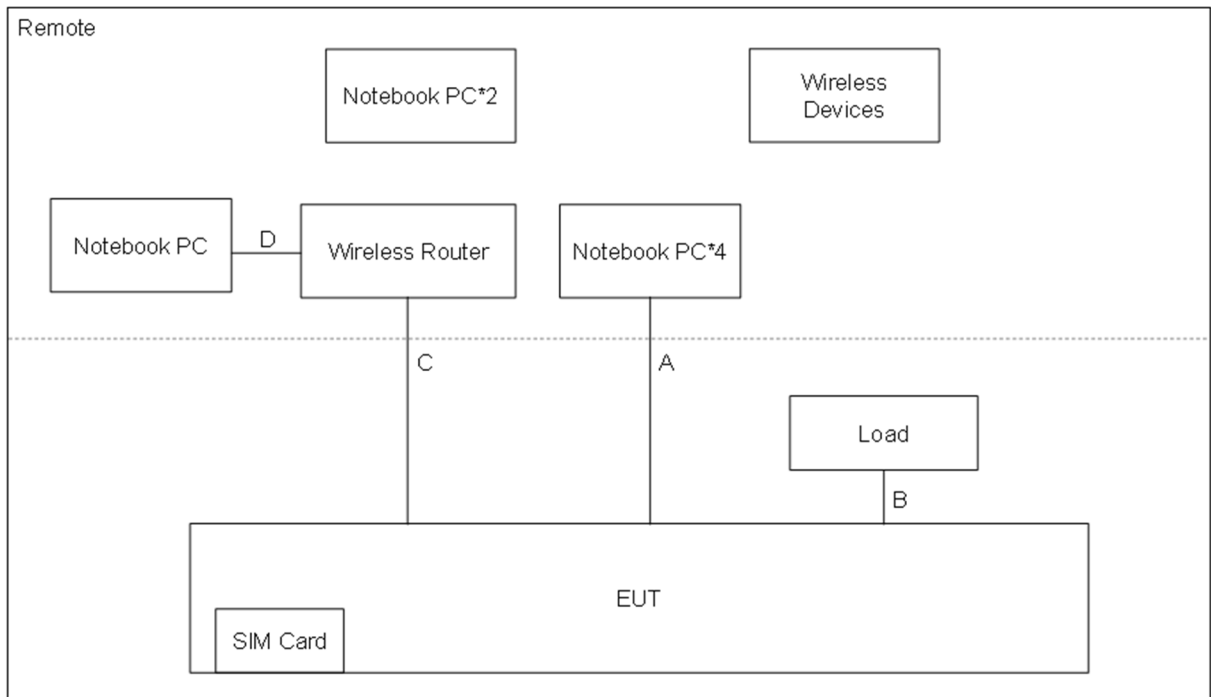
ME: Microphone & Earphone

Note:

- Use Full system setup configuration determines Worst-Case Mode.
- Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

Items	Radiated Emission (Below 1GHz)
-------	--------------------------------

Connection Diagram



Tested System Details

Product	Manufacturer	Model No.	No.	Cable Type & Description
Notebook PC*4	N/A	N/A	A	LAN*4, non-Shielded 3m
Load	N/A	N/A	B	USB-C, shielded 0.8m
Wireless Router	ASUS	ROG GAPTURE GT-AXE11000	C	LAN*2, non-Shielded 3m
Notebook PC	Lenovo	TP00116D	D	LAN, non-Shielded 1m
Notebook PC*2	Lenovo	ThinkPad T490		
SIM Card	N/A	N/A		

Wireless Devices Inf.

Product	Manufacturer	Model No.
UXM 5G Wireless Test Platform	Keysight	E7515B
Wireless Router	ASUS	ROG RAPTURE GT-AXE11000
Wireless Router	ASUS	RT-AC58U
Base Station	R&S	CMW500
UXM 5G Wireless Test Platform	Keysight	E7515B
GPS Simulator	Oroila	GSG-5

CBS: Cambridge SoundWorks

ME: Microphone & Earphone

Note:

- Use Full system setup configuration determines Worst-Case Mode.
- Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program

1.4. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.3.
2	Turn on the power of all equipment.
3	All the features of the EUT operation normally.

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
 Deviations from the test standards as below description:

Emission				
Performed Item	Normative References	Test Performed	Test Site	Verdict
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B:2021, Class A CISPR 22:2008 ANSI C63.4-2014, ANSI C63.4a-2017	Yes	HY-SR09	Pass
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B:2021, Class A CISPR 22:2008 ANSI C63.4-2014, ANSI C63.4a-2017	Yes	LK-Site03 HY-CB05	Pass

Note:

1. Test Site information refers to test Laboratory Information.

Test Laboratory:	DEKRA Testing and Certification Co., Ltd. Linkou Laboratory
Address:	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C
Phone number:	+886-2-8601-3788
Fax number:	+886-2-8601-3789
Test Site	
LK:	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C
FS:	No.6, Lane 75, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C
HY:	No.26, Huaya 1 st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C

2.2. List of Test Equipment

Conducted Emission / HY-SR09

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
EMI TEST RECEIVER	R&S	ESR3	102917	2022/12/16	2023/12/15
Two-Line V-Network	R&S	ENV216	101493	2022/12/12	2023/12/11
Two-Line V-Network	R&S	ENV216	101492	2022/12/21	2023/12/20
Impedance Stabilization Network	TESEQ	ISN T800	61676	2023/6/17	2024/6/16
Impedance Stabilization Network	TESEQ	ISN T8-Cat6	61286	2023/6/15	2024/6/14
Impedance Stabilization Network	TESEQ	ISN ST08	61833	2023/6/19	2024/6/18
Coaxial Cable	SUHNER	RG 400	HC001-RG	2023/5/31	2024/5/30
Note : ISN T800 for LAN 10Mbps to 1Gbps, T8-Cat6 for LAN above 1Gbps, ST08 for Shielded LAN					
Test Software version : E3 210616 Dekra, V9(C) Audix					

Note:Test Receiver Detector:Quasipeak and Average Bandwidth:9kHz

Radiated Emission / LK-Site03 (Site3)

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1123	2023/6/5	2024/6/4
EMI Test Receiver	R&S	ESCS 30	838251/001	2023/7/20	2024/7/19
Coaxial Cable	SUHNER	RG 214	LC003A-RG LC003B-RG	2023/5/24	2024/5/23
Coaxial Switch	Anritsu	MP59B	6201415889	2023/5/24	2024/5/23
Preamplifier	Jet-Power	JPA-10M1G33	1701010003 30010	2023/5/24	2024/5/23
NSA	DEKRA	N/A	N/A	2023/5/24	2024/5/23
Test Software version : e3 V9					

Note:Test Receiver Detector:Quasipeak Bandwidth:120kHz

Radiated Emission (Above 1GHz) / HY-CB05

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Double Ridged Guide Horn Antenna	ETS-Lindgren	3117	00240055	2022/10/27	2023/10/26
Horn Antenna	COM-POWER	AH-840	101088	2021/9/27	2023/9/26
EMI Test Receiver	R&S	ESR7	102502	2023/3/28	2024/3/27
Signal Analyzer	R&S	FSV3044	101245	2023/4/17	2024/4/16
Coaxial Cable	ROSNOL	R-Test EW0630	HC003R	2023/6/19	2024/6/18
Coaxial Cable	ROSNOL	R-Test EW0630	HC005R	2023/6/19	2024/6/18
Coaxial Cable	ROSNOL	R-Test EW0630	HC004R	2023/6/19	2024/6/18
Preamplifier	SGH	SGH118-HS	20220411-2	2023/4/26	2024/4/25
Microwave Preamplifier with cable	SGH	SGH184	20220411-3	2023/4/26	2024/4/25
VSWR	DEKRA	N/A	N/A	2022/10/4	2023/10/3
Test Software version : E3 210616 Dekra, V9(C) Audix					

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 3.47 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 5.11 dB.

Radiated Emission Above 1GHz

The measurement uncertainty is evaluated as ± 4.22 dB.

2.4. Test Environment

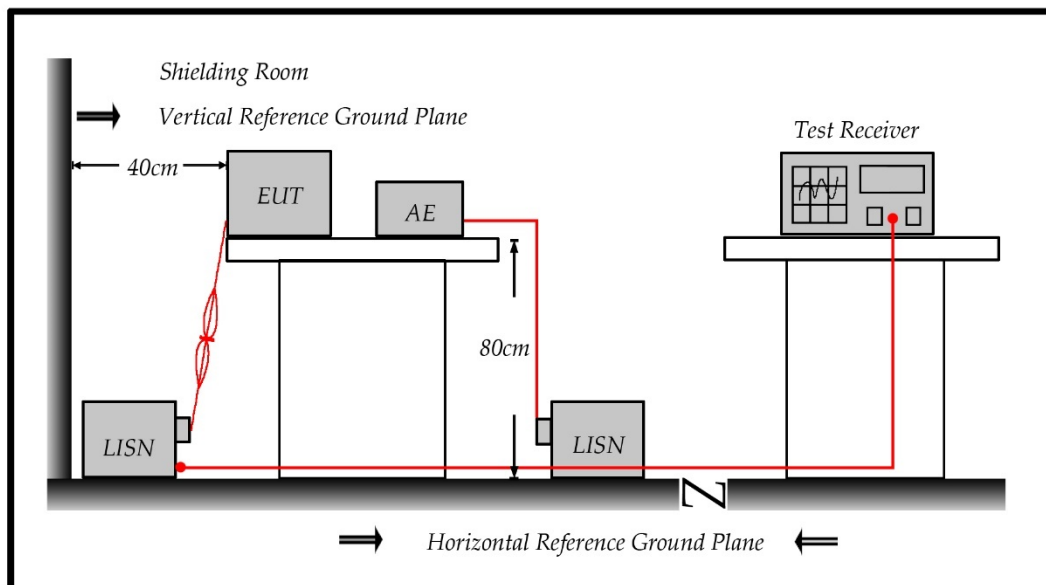
Performed Item	Items	Required
Conducted Emission	Temperature (-C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (-C)	10-40
	Humidity (%RH)	10-90

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B & CISPR 22

3.2. Test Setup



3.3. Limit

Conducted emissions limits (AC mains power terminals)				
Frequency range (MHz)	Class A Quasi-peak (dBuV)	Class A Average (dBuV)	Class B Quasi-peak (dBuV)	Class B Average (dBuV)
0.15 – 0.5	79	66	66 to 56	56 to 46
0.5 - 5	73	60	56	46
5 - 30	73	60	60	50

Note:

1. The more stringent limit applies at transition frequencies.
2. The limit level in dB μ V decreases linearly with the logarithm of frequency

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

(Please refers to the block diagram of the test setup and photographs.)

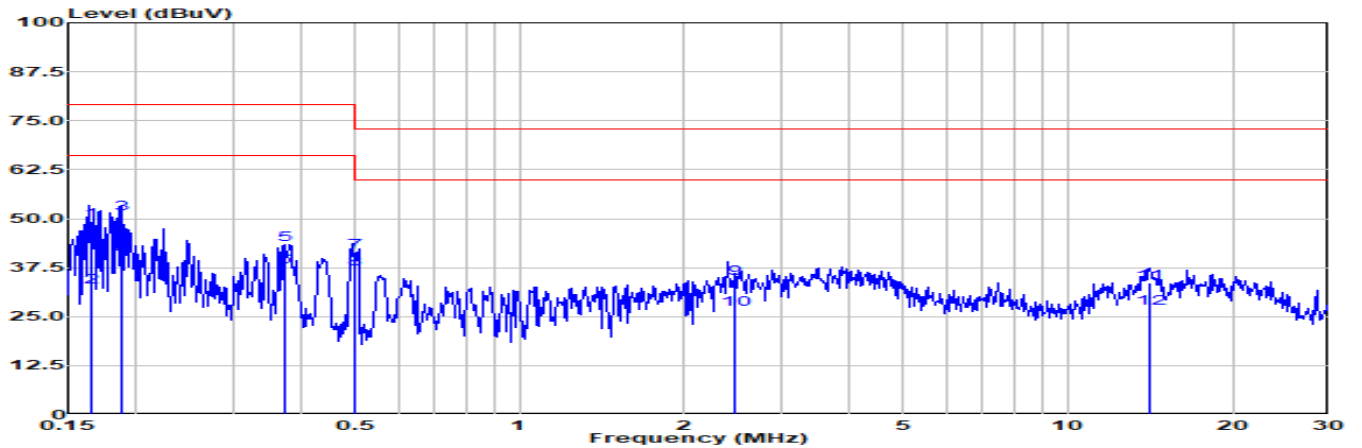
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Model No	B One 5G	Site	HY-SR09
Test Voltage	AC 120V/60Hz to DC 12V (Power by adapter)	Test Date	2023-07-24
Test Mode	Mode 1	Engineer	Leto Chen
Phase	Line	Temperature (°C)	25
Test Condition	--	Humidity (%RH)	49

FCC CLASS-A



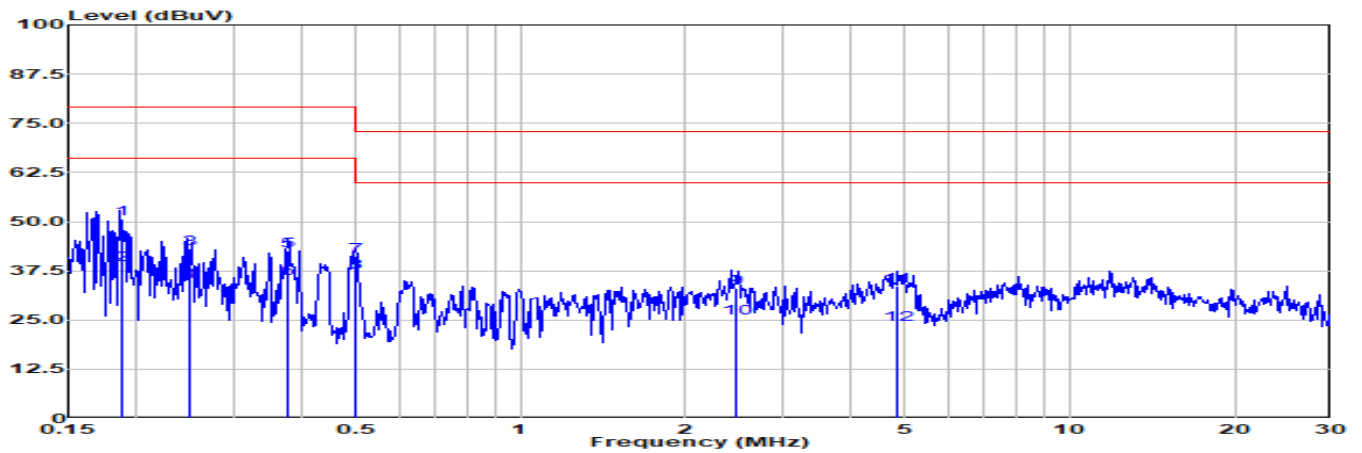
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.166	49.32	79.00	-29.68	39.67	9.64	QP
2	0.166	32.51	66.00	-33.49	22.87	9.64	Average
3	0.188	51.13	79.00	-27.87	41.49	9.64	QP
4	0.188	40.42	66.00	-25.58	30.78	9.64	Average
5	0.374	43.24	79.00	-35.76	33.60	9.64	QP
6	0.374	37.61	66.00	-28.39	27.97	9.64	Average
7	0.499	41.57	79.00	-37.43	31.91	9.65	QP
8	0.499	37.18	66.00	-28.82	27.53	9.65	Average
9	2.473	34.59	73.00	-38.41	24.85	9.75	QP
10	2.473	26.94	60.00	-33.06	17.19	9.75	Average
11	14.071	33.66	73.00	-39.34	23.61	10.05	QP
12	14.071	27.22	60.00	-32.78	17.17	10.05	Average

Remark:

1. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
2. Margin=Emission Level-Limit

Model No	B One 5G	Site	HY-SR09
Test Voltage	AC 120V/60Hz to DC 12V (Power by adapter)	Test Date	2023-07-24
Test Mode	Mode 1	Engineer	Leto Chen
Phase	Neutral	Temperature (°C)	25
Test Condition	--	Humidity (%RH)	49

FCC CLASS-A



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.188	50.76	79.00	-28.24	41.11	9.64	QP
2	0.188	39.11	66.00	-26.89	29.46	9.64	Average
3	0.250	43.00	79.00	-36.00	33.35	9.65	QP
4	0.250	34.67	66.00	-31.33	25.02	9.65	Average
5	0.377	42.48	79.00	-36.52	32.83	9.65	QP
6	0.377	35.60	66.00	-30.40	25.94	9.65	Average
7	0.499	41.19	79.00	-37.81	31.53	9.66	QP
8	0.499	37.19	66.00	-28.81	27.53	9.66	Average
9	2.474	33.17	73.00	-39.83	23.42	9.75	QP
10	2.474	25.51	60.00	-34.49	15.76	9.75	Average
11	4.838	33.57	73.00	-39.43	23.72	9.84	QP
12	4.838	23.76	60.00	-36.24	13.91	9.84	Average

Remark:

1. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

2.Margin=Emission Level-Limit

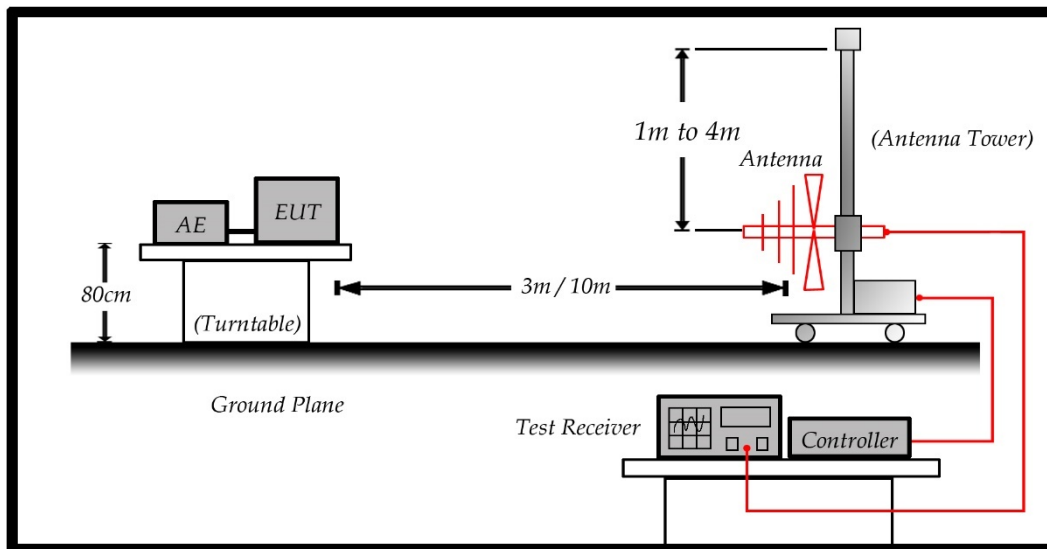
4. Radiated Emission

4.1. Test Specification

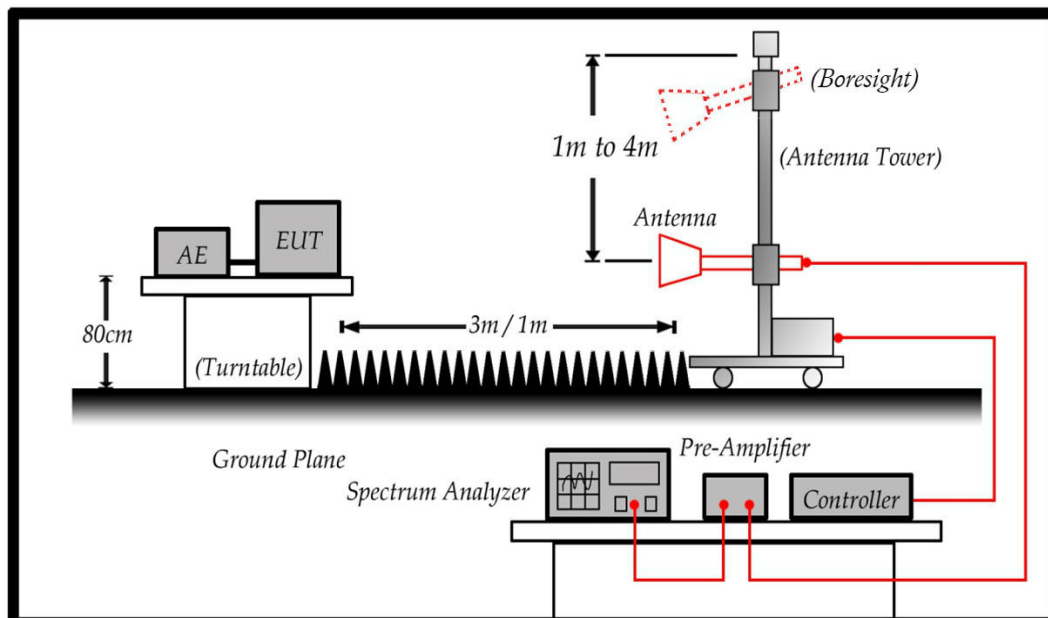
According to Standard : FCC Part 15 Subpart B & CISPR 22

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Above 1GHz test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance(m)	dBuV/m
30-88	10	39
88-216	10	43.5
216-960	10	46.4
960-1000	10	49.5
1000-40000	3	59.5
18000-40000	1	69.54

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. $RF\ Voltage\ (dBuV/m) = 20\ \log\ RF\ Voltage\ (\mu V/m)$

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

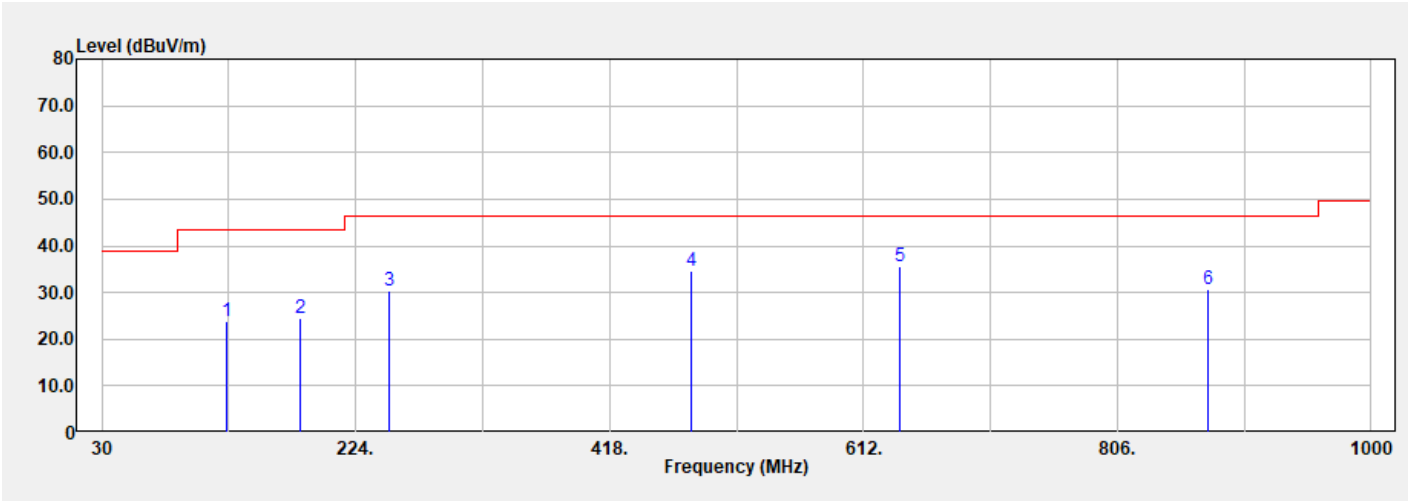
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120 kHz and above 1GHz is 1MHz.

4.5. Test Result

Model No	B One 5G	Site	LK-Site3
Test Voltage	DC 30V	Test Date	2024-01-08
Test Mode	Mode 4	Engineer	Cloud Hsieh
Polarity	Horizontal	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	71

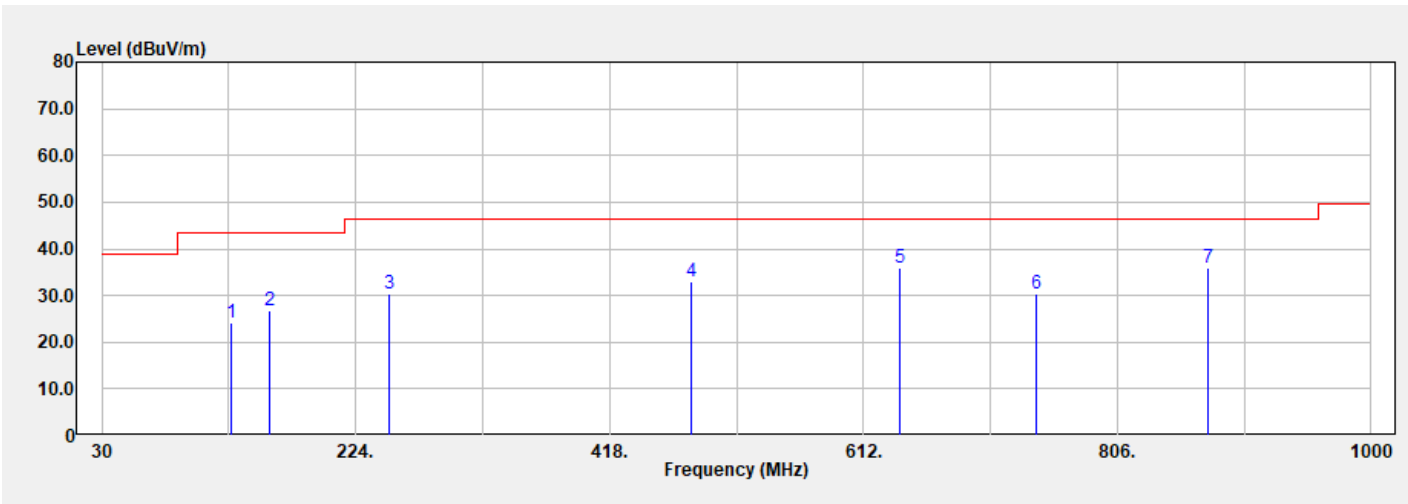


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	125.040	23.86	43.50	-19.64	36.90	-13.04	370	181	QP
2	182.080	24.58	43.50	-18.92	36.90	-12.32	370	-148	QP
3	250.000	30.36	46.40	-16.04	41.60	-11.24	370	189	QP
4	480.000	34.73	46.40	-11.67	38.40	-3.67	200	15	QP
5*	640.000	35.69	46.40	-10.71	34.90	0.79	100	189	QP
6	875.000	30.61	46.40	-15.79	24.90	5.71	100	-158	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	B One 5G	Site	LK-Site3
Test Voltage	DC 30V	Test Date	2024-01-08
Test Mode	Mode 4	Engineer	Cloud Hsieh
Polarity	Vertical	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	71



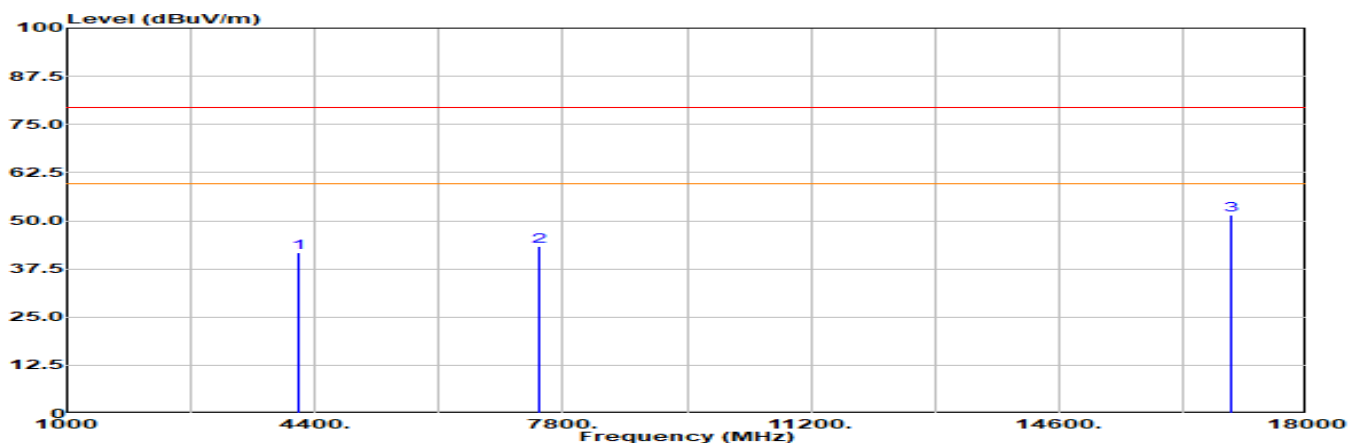
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	128.960	24.20	43.50	-19.30	36.90	-12.70	100	-158	QP
2	158.720	26.90	43.50	-16.60	37.60	-10.70	100	65	QP
3	250.000	30.36	46.40	-16.04	41.60	-11.24	100	-166	QP
4	480.000	32.93	46.40	-13.47	36.60	-3.67	300	-156	QP
5	640.000	35.99	46.40	-10.41	35.20	0.79	250	-156	QP
6	744.400	30.35	46.40	-16.05	26.90	3.45	250	-139	QP
7*	875.000	36.01	46.40	-10.39	30.30	5.71	150	158	QP

Remark:

1. "*" means this data is the worst margin;"!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	B One 5G	Site	HY-CB05
Test Voltage	DC 30V	Test Date	2023-07-24
Test Mode	Mode 4	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	20
Test Condition	--	Humidity (%RH)	53

FCC CLASS-A PK



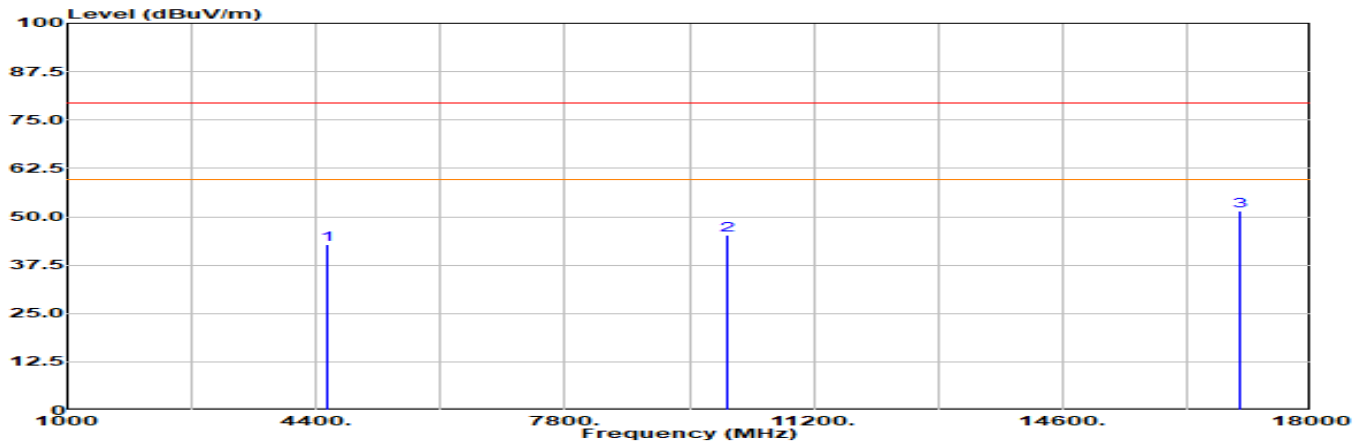
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	4180.000	41.84	79.50	-37.66	46.93	-5.09	100	357	Peak
2	7482.000	43.48	79.50	-36.02	44.49	-1.02	100	352	Peak
3	16974.000	51.41	79.50	-28.09	40.73	10.67	100	360	Peak

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	B One 5G	Site	HY-CB05
Test Voltage	DC 30V	Test Date	2023-07-24
Test Mode	Mode 4	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	20
Test Condition	--	Humidity (%RH)	53

FCC CLASS-A PK



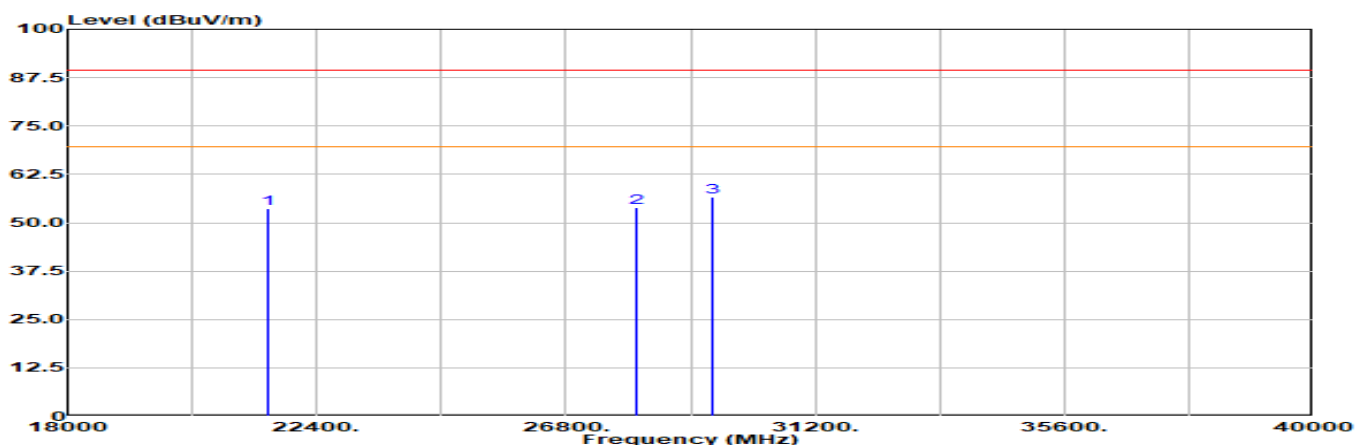
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	4545.000	42.74	79.50	-36.76	47.22	-4.48	100	348	Peak
2	10026.000	45.25	79.50	-34.25	42.49	2.75	100	359	Peak
3	17040.000	51.45	79.50	-28.05	40.80	10.65	100	353	Peak

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	B One 5G	Site	HY-CB05
Test Voltage	DC 30V	Test Date	2023-07-24
Test Mode	Mode 4	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	20
Test Condition	--	Humidity (%RH)	53

FCC CLASS-A PK



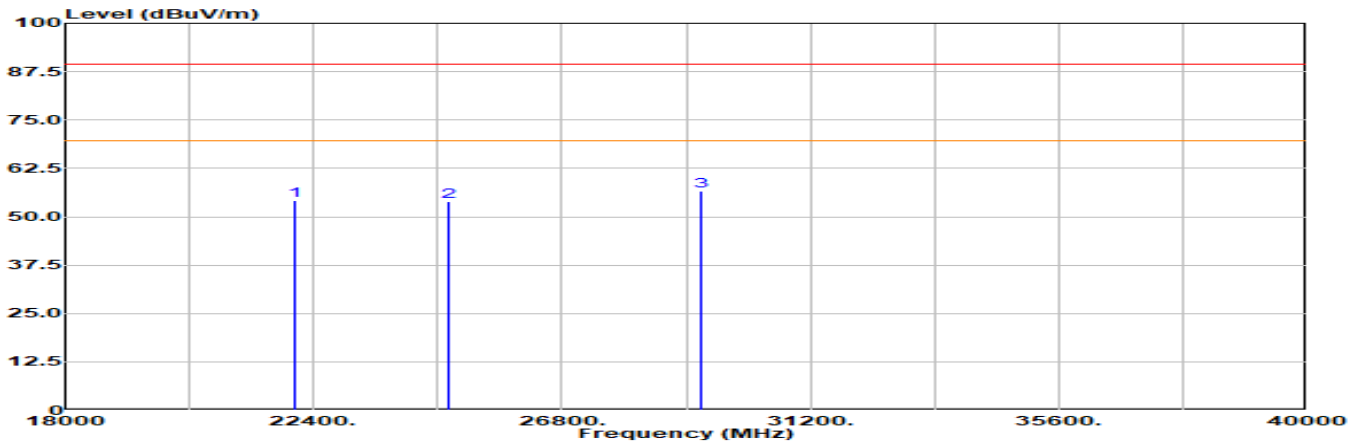
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	21552.000	53.63	89.54	-35.91	42.81	10.82	100	39	Peak
2	28044.000	54.03	89.54	-35.51	39.62	14.41	100	2	Peak
3	29370.000	56.72	89.54	-32.82	41.10	15.63	100	352	Peak

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	B One 5G	Site	HY-CB05
Test Voltage	DC 30V	Test Date	2023-07-24
Test Mode	Mode 4	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	20
Test Condition	--	Humidity (%RH)	53

FCC CLASS-A PK



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	22080.000	54.11	89.54	-35.43	42.87	11.24	100	355	Peak
2	24810.000	53.90	89.54	-35.64	40.95	12.95	100	339	Peak
3	29256.000	56.66	89.54	-32.88	41.26	15.40	100	13	Peak

Remark:

1. Emission Level = Reading Level + Correct Factor (Correct Factor = Ant Factor + Cable Loss - Pre Amp).

2. Margin = Emission Level - Limit.

3. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.