



Test report No: 2440306R-0E3012110014-A

FCC TEST REPORT

Product Name	Peplink Pepwave Wireless Product
Trademark	
Model and /or type reference	MAX BR1 Mini MAX-BR1-MINI-LTE-US-T-PRM BR1 Mini
FCC ID	U8G-P1MT01
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: 2022, Class A
Verdict Summary	IN COMPLIANCE
Documented By (Adm. Specialist / Vita Wang)	
Approved By (Director / Vincent Lin)	
Date of Report	2024/04/11
Date of Issue	2024/06/25
Report No.	2440306R-0E3012110014-A
Report Version	V1.0

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Product Photos: Please refer to the file: 2440306R-Product Photos

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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.

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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
2440306R-0E3012110014-A	V1.0	Initial issue of report.	2024-06-25

1. General Information

1.1. EUT Description

Product Name	Peplink Pepwave Wireless Product
Trademark	
Model No.	MAX BR1 Mini MAX-BR1-MINI-LTE-US-T-PRM BR1 Mini
EUT Max. Frequency	5850 MHz
EUT Rated Voltage	Power Port: 10V–30V DC AC Adapter: AC Input 100V-240V / DC Output 12V Power over Ethernet 802.3at
EUT Test Voltage (Final Test Mode)	DC 10V AC 120V/60Hz to DC 12V (AC Adapter)

Component	
Adapter	MFR: DVE M/N: DSA-24PFS-12 FUS 120200 AC Input: 100-240Vac~50/60Hz, 0.8A DC Output: 12.0V, 2.0A 24.0W Cable Out: non-shield 1.5m
WLAN Antenna	Brand: YUAN CHEN TECH CO., LTD. M/N: ACA-0040-6G1A1-A10 Antenna Type: Omni-directional
GPS Antenna #1	Brand: Master Wave M/N: 98335KSAF000 Antenna Type: Directional
GPS Antenna #2	Brand: Sense Energy M/N: NP004 Antenna Type: Directional
Cellular Antenna	Brand: INPAQ M/N: DAM-D13-S1-N0-000-08-20 Antenna Type: Omni-directional
DC Cable	Brand: usmart M/N: 43025-4P-3.35M

Note: The EUT is including three models for different marketing requirement.

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	
Conducted Emission	
Mode 1: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 12V By Adapter(DVE/DSA-24PFS-12 FUS 120200) Mode 2: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), 802.3at PoE Mode 3: Normal Operation(LAN 1~2: 1Gbps + WAN: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 12V By Adapter(DVE/DSA-24PFS-12 FUS 120200) Mode 4: Normal Operation(LAN 1~2: 1Gbps + WAN: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Sense Energy/NP004) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 12V By Adapter(DVE/DSA-24PFS-12 FUS 120200) Mode 5: Normal Operation(LAN 1~2: 1Gbps + WAN: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Sense Energy/NP004) + WCDMA Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 12V By Adapter(DVE/DSA-24PFS-12 FUS 120200)	
Radiated Emission	
Mode 1: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 12V By Adapter(DVE/DSA-24PFS-12 FUS 120200) Mode 2: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 10V Mode 3: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 30V Mode 4: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), 802.3at PoE Mode 5: Normal Operation(LAN 1~2: 1Gbps + WAN: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), DC 10V Mode 6: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Sense Energy/NP004) + WWAN LTE Band 2 Link + Worst SIM Card-Slot A), DC 10V Mode 7: Normal Operation(LAN 1~3: 1Gbps + Wi-Fi 2.4G + Wi-Fi 5G + GPS(Matser Wave/98335KSAF000) + WCDMA Band 2 Link + Worst SIM Card-Slot A), Molex Power port, DC 10V	
Final Test Mode	
Conducted Emission	Mode 5
Radiated Emission	Mode 2

Note:

1. Refer to Certified Cellular module report worst band to test.
2. The worst SIM Card slot is Slot A.

1.3. Configuration & Details of Tested System

Test Mode	Mode 5			
Test Item	CE			
Connection Diagram				
Remote Wireless Devices Notebook PC*2 Notebook PC Notebook PC*2 GPS Antenna EUT SIM card A B C				
Tested System Details				
Product	Manufacturer	Model No.	No.	Cable Type & Description
Notebook PC*4	Lenovo	IdeaPad 3 14ALC6	A	LAN*2, non-shielded 10m
Notebook PC	Lenovo	IdeaPad 3 14ALC6	B	WAN, non-shielded 10m
GPS Antenna	Sense Energy	NP004	C	SMA, shielded 5m
SIM card	R&S	N/A		
Wireless Devices Inf.				
Product		Manufacturer		Model No.
GPS Simulator		Orolia		GSG-5
Base Station		R&S		CMW500

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.

Test Mode	Mode 2			
Test Item	RE RF			
Connection Diagram				
Remote Wireless Devices Notebook PC*3 Notebook PC*2 GPS Antenna EUT SIM card A B				
Tested System Details				
Product	Manufacturer	Model No.	No.	Cable Type & Description
Notebook PC*5	Lenovo	IdeaPad 3 14ALC6	A	LAN*3, non-shielded 10m
GPS Antenna	Matser Wave	98335KSAF000	B	SMA, shielded 5m
SIM card	R&S	N/A		
Wireless Devices Inf.				
Product		Manufacturer		Model No.
GPS Simulator		Orolia		GSG-5
UXM 5G Wireless Test Platform		Keysight		E7515B

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 equipments.
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:2022, 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:2022, Class A CISPR 22:2008, ANSI C63.4-2014 ANSI C63.4a-2017	Yes	FS-CB01 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 No. 85, 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	2023/12/4	2024/12/3
Two-Line V-Network	R&S	ENV216	101493	2023/12/1	2024/11/30
Two-Line V-Network	R&S	ENV216	101492	2023/12/12	2024/12/11
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 V9					

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

Radiated Emission (Below 1GHz) / FS-CB01

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01124	2023/9/18	2024/9/17
Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01126	2023/9/18	2024/9/17
Receiver	R&S	ESR7	102255	2024/3/28	2025/3/27
Receiver	R&S	ESR7	102254	2023/12/7	2024/12/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC043-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC044-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC045-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC046-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC047-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC049-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC051-SF	2023/7/7	2024/7/6
Coaxial Cable	SUHNER	SUCOFLEX 106	AC052-SF	2023/7/7	2024/7/6
Preamplifier	SGH	EM330	20200921-5	2023/6/19	2024/6/18
Preamplifier	SGH	SGH0301	20211007-1	2023/6/19	2024/6/18
NSA	DEKRA	N/A	N/A	2023/7/8	2024/7/7
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	RF SPIN	DRH18-E	210504A18ES	2024/4/25	2025/4/24
Horn Antenna	COM-POWER	AH-840	101088	2023/10/4	2024/10/3
EMI Test Receiver	R&S	ESR7	102502	2024/4/23	2025/4/22
Signal Analyzer	R&S	FSV3044	101245	2024/4/15	2025/4/14
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	2024/4/18	2025/4/17
Microwave Preamplifier with cable	SGH	SGH184	20220411-3	2024/4/18	2025/4/17
VSWR	DEKRA	N/A	N/A	2023/8/23	2024/8/22
Test Software version : e3 V9					

2.3. Measurement Uncertainty

Test Items	Uncertainty
Conducted Emission	± 2.40 dB
Radiated Emission (Below 1GHz)	± 5.50 dB
Radiated Emission (Above 1GHz)	± 4.70 dB

2.4. Test Environment

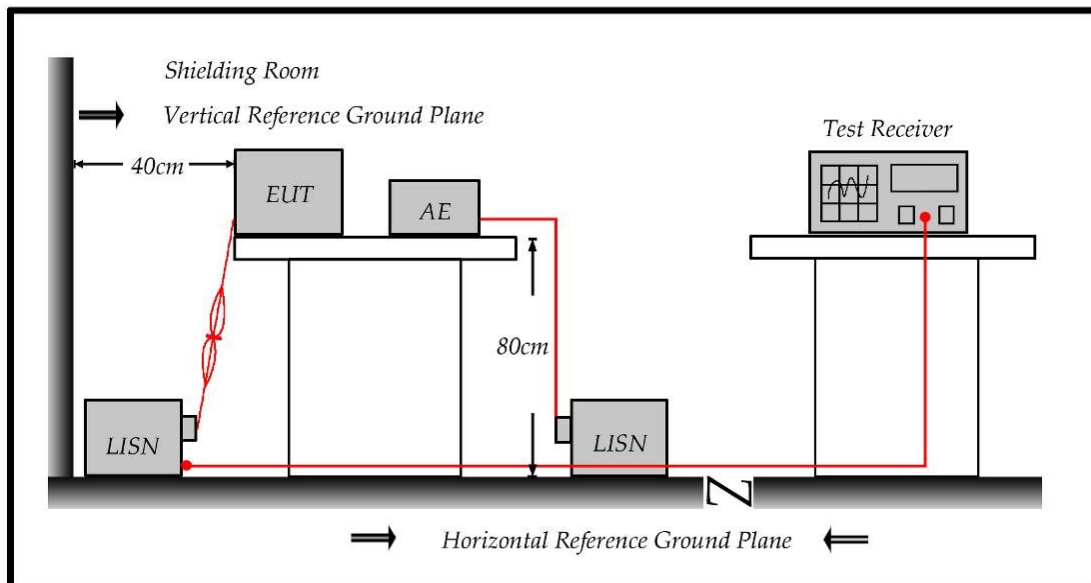
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

3. Conducted Emission

3.1. Test Specifications

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 dBuV 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.

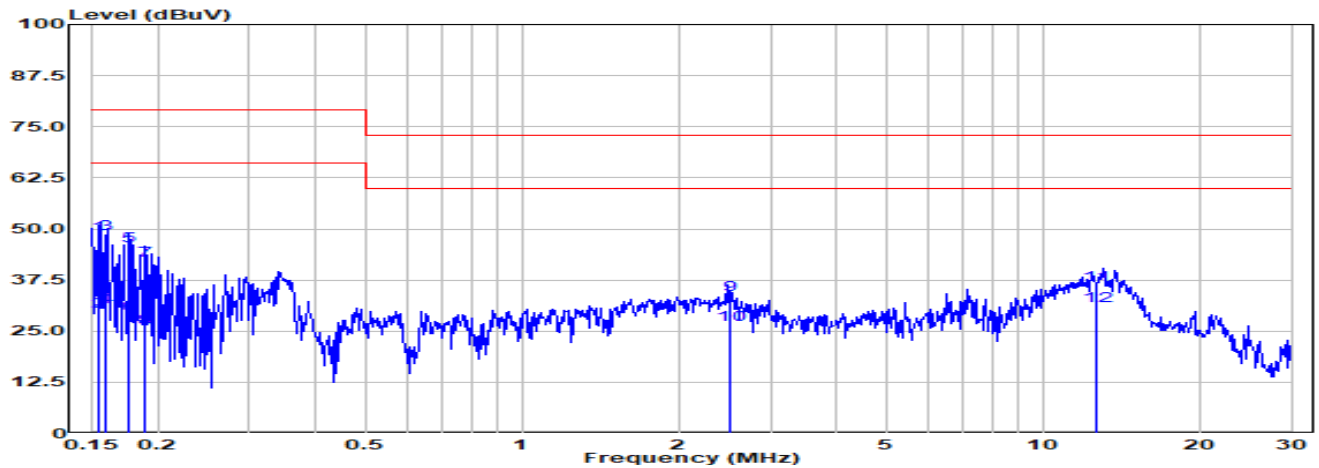
(Please refers to the block diagram of the test setup and photographs.)

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	MAX BR1 Mini	Site	HY-SR09
Test Voltage	AC 120V/60Hz	Test Date	2024-05-08
Test Mode	Mode 5	Engineer	Monica Wu
Phase	Line	Temperature (°C)	24
Test Condition	--	Humidity (%RH)	49

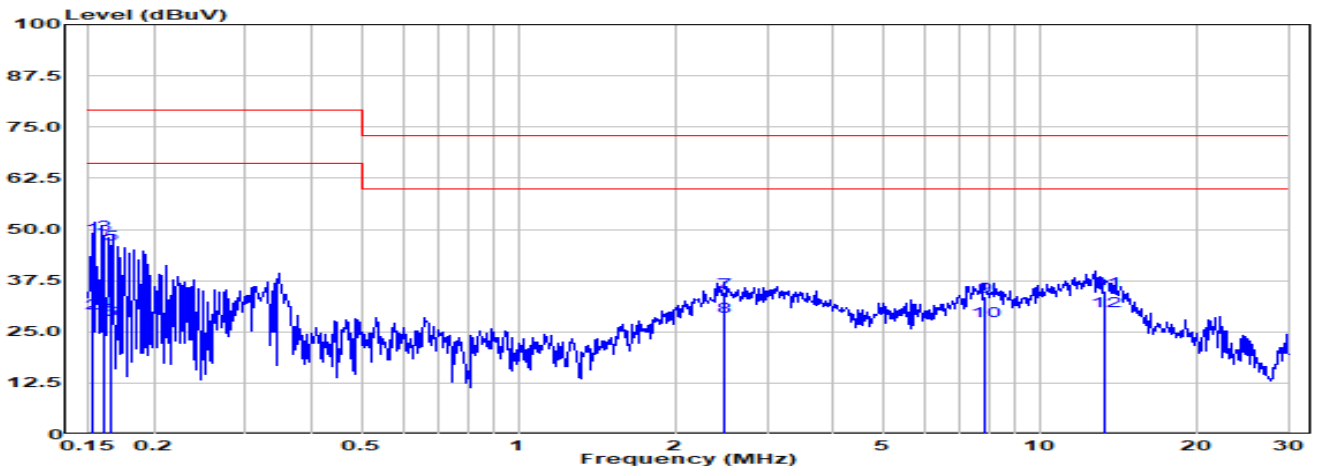


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.154	48.42	79.00	-30.58	38.81	9.60	QP
2	0.154	29.84	66.00	-36.16	20.24	9.60	Average
3	0.160	48.73	79.00	-30.27	39.12	9.60	QP
4	0.160	30.89	66.00	-35.11	21.28	9.60	Average
5	0.175	45.92	79.00	-33.08	36.31	9.61	QP
6	0.175	28.96	66.00	-37.04	19.36	9.61	Average
7	0.189	42.32	79.00	-36.68	32.71	9.61	QP
8	0.189	25.78	66.00	-40.22	16.17	9.61	Average
9	2.519	34.01	73.00	-38.99	24.27	9.73	QP
10	2.519	26.53	60.00	-33.47	16.80	9.73	Average
11	12.660	36.38	73.00	-36.62	26.31	10.08	QP
12	12.660	31.08	60.00	-28.92	21.01	10.08	Average

Remark:

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

Model No	MAX BR1 Mini	Site	HY-SR09
Test Voltage	AC 120V/60Hz	Test Date	2024-05-08
Test Mode	Mode 5	Engineer	Monica Wu
Phase	Neutral	Temperature (°C)	24
Test Condition	--	Humidity (%RH)	49



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.153	48.30	79.00	-30.70	38.66	9.64	QP
2	0.153	29.45	66.00	-36.55	19.81	9.64	Average
3	0.160	48.65	79.00	-30.35	39.01	9.64	QP
4	0.160	30.16	66.00	-35.84	20.52	9.64	Average
5	0.166	46.40	79.00	-32.60	36.76	9.64	QP
6	0.166	27.88	66.00	-38.12	18.24	9.64	Average
7	2.489	34.78	73.00	-38.22	25.03	9.76	QP
8	2.489	28.77	60.00	-31.23	19.01	9.76	Average
9	7.860	33.68	73.00	-39.32	23.68	10.00	QP
10	7.860	27.60	60.00	-32.40	17.60	10.00	Average
11	13.379	35.02	73.00	-37.98	24.81	10.21	QP
12	13.379	29.95	60.00	-30.05	19.75	10.21	Average

Remark:

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

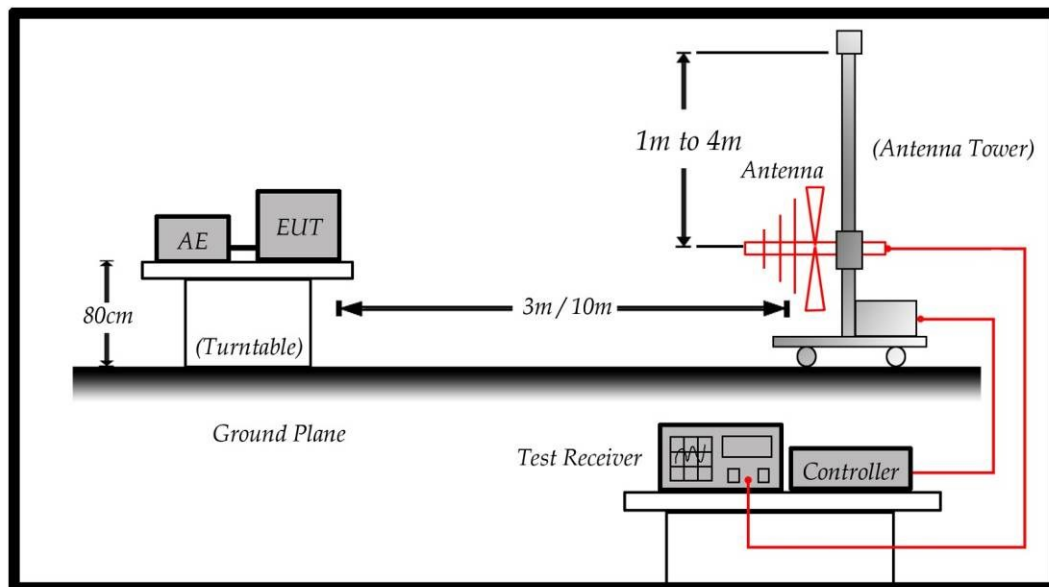
4. Radiated Emission

4.1. Test Specification

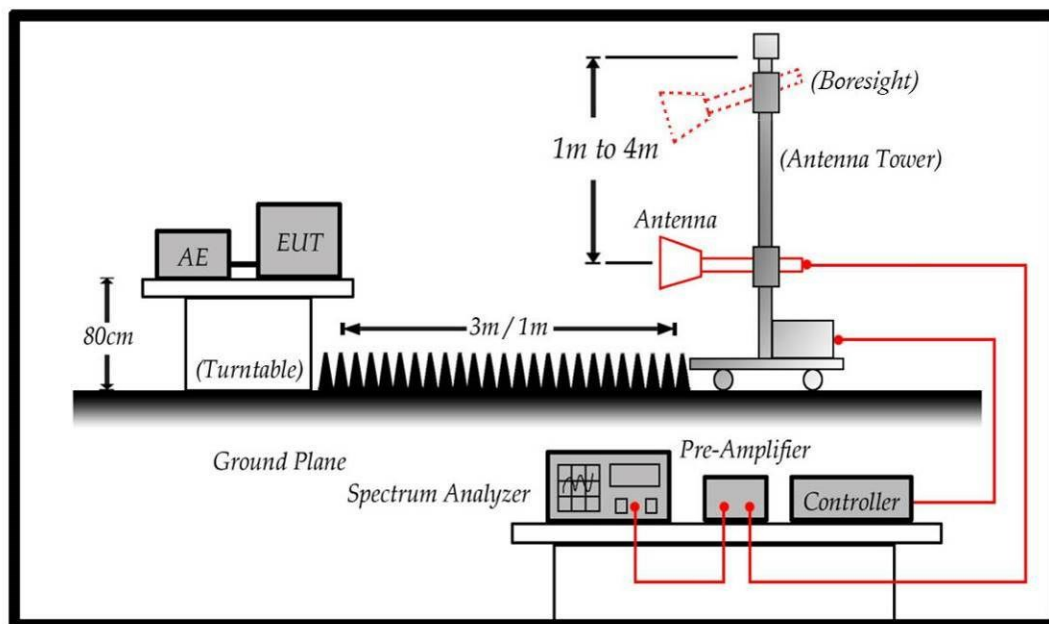
According to Standard : FCC Part 15 Subpart B & CISPR 22

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

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	60
18000-40000	1	69.5

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 (uV/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.

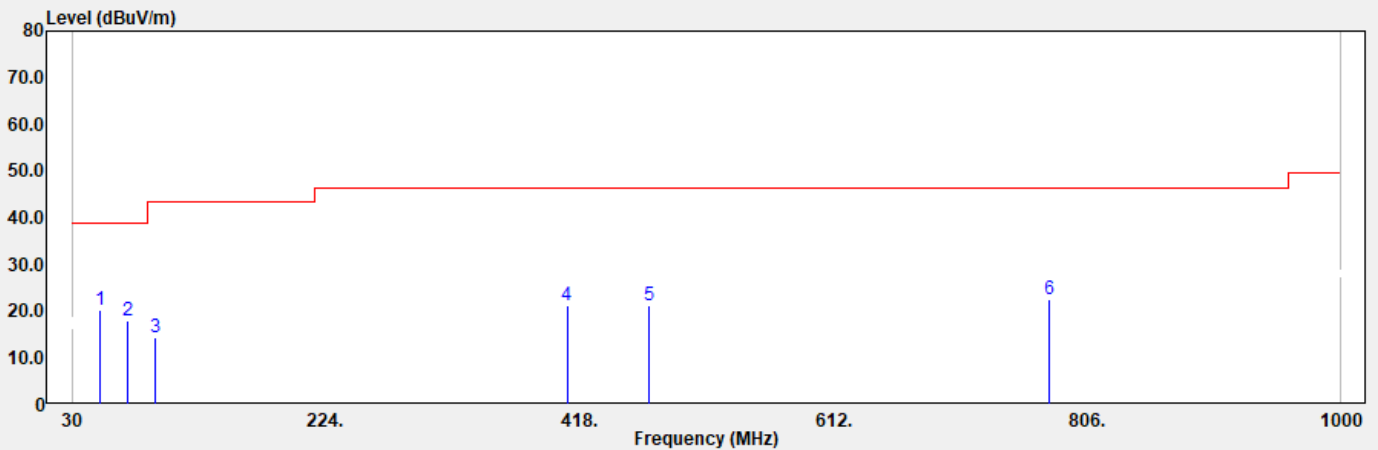
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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	MAX BR1 Mini	Site	FS-CB01
Test Voltage	DC 10V	Test Date	2024-05-10
Test Mode	Mode 2	Engineer	Nilk Chen
Polarity	Horizontal	Temperature (°C)	24.3
Test Condition	--	Humidity (%RH)	55

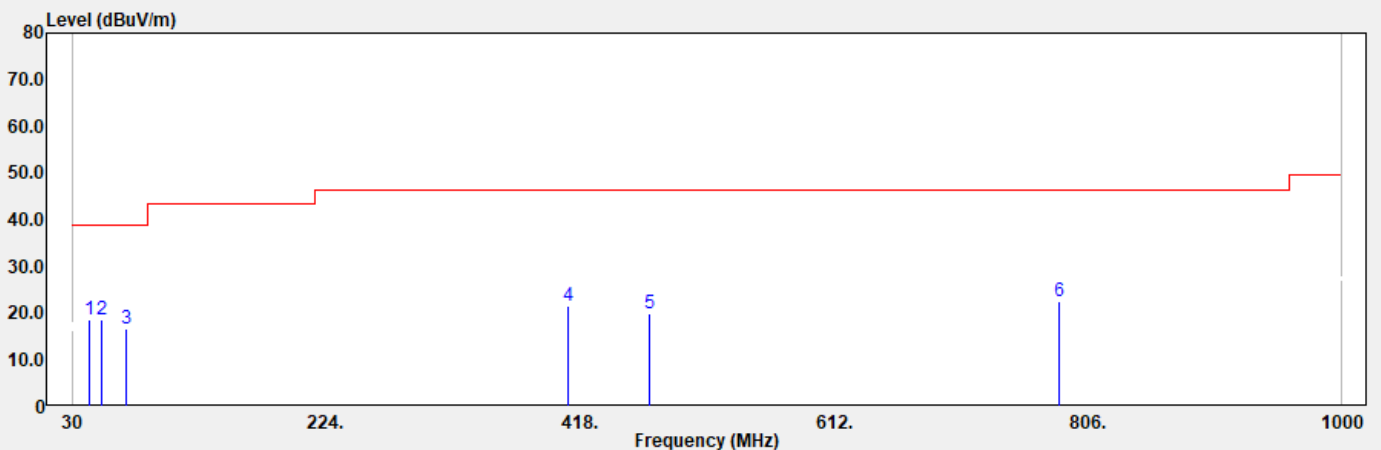


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1*	51.476	20.28	39.00	-18.72	43.16	-22.88	100	247	QP
2	73.034	17.99	39.00	-21.01	44.19	-26.20	300	307	QP
3	94.195	14.49	43.50	-29.01	42.89	-28.40	300	202	QP
4	408.396	21.12	46.40	-25.28	39.13	-18.01	200	118	QP
5	470.949	21.15	46.40	-25.25	37.56	-16.40	200	116	QP
6	777.071	22.43	46.40	-23.97	32.35	-9.92	300	226	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	MAX BR1 Mini	Site	FS-CB01
Test Voltage	DC 10V	Test Date	2024-05-10
Test Mode	Mode 2	Engineer	Nilk Chen
Polarity	Vertical	Temperature (°C)	24.3
Test Condition	--	Humidity (%RH)	55

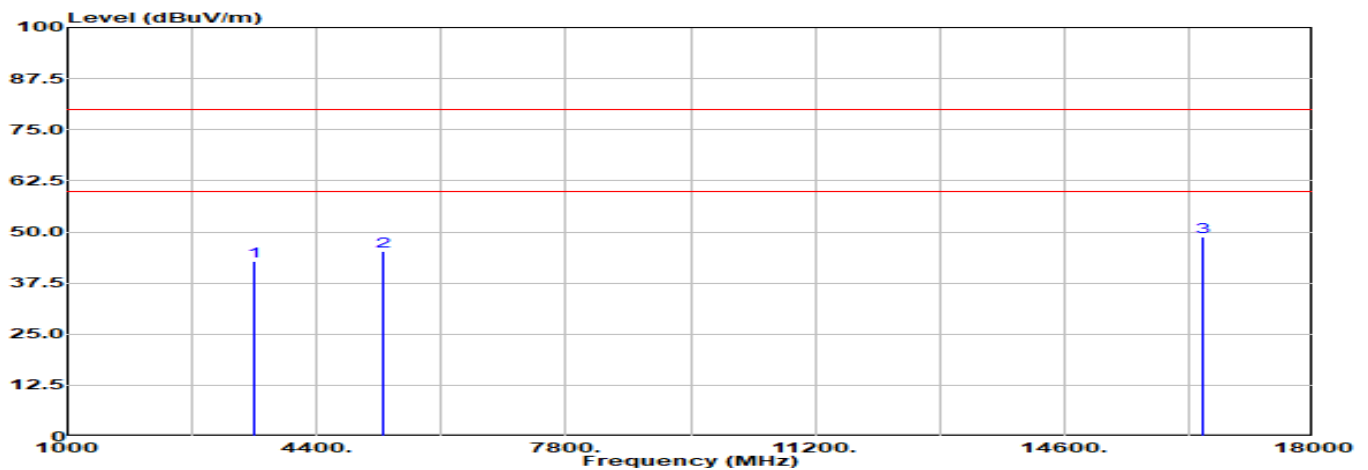


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1*	43.471	18.58	39.00	-20.42	41.44	-22.86	200	121	QP
2	52.271	18.49	39.00	-20.51	40.93	-22.45	100	253	QP
3	72.071	16.66	39.00	-22.34	42.14	-25.48	100	77	QP
4	409.159	21.45	46.40	-24.95	39.19	-17.74	200	116	QP
5	471.406	19.79	46.40	-26.61	35.76	-15.97	200	111	QP
6	783.825	22.53	46.40	-23.87	31.89	-9.36	100	236	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	MAX BR1 Mini	Site	HY-CB05
Test Voltage	DC 10V	Test Date	2024-05-08
Test Mode	Mode 2	Engineer	Monica Wu
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

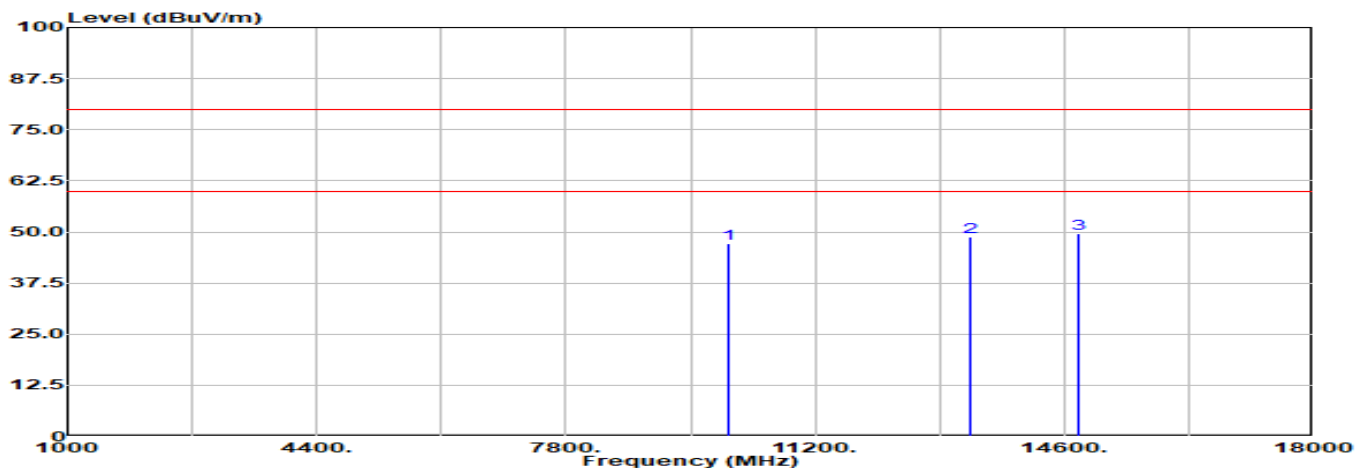


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	3541.500	42.84	80.00	-37.16	46.78	-3.94	100	183	Peak
2	5301.000	45.13	80.00	-34.87	48.56	-3.43	100	151	Peak
3	16478.500	48.76	80.00	-31.24	40.50	8.26	100	269	Peak

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	MAX BR1 Mini	Site	HY-CB05
Test Voltage	DC 10V	Test Date	2024-05-08
Test Mode	Mode 2	Engineer	Monica Wu
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

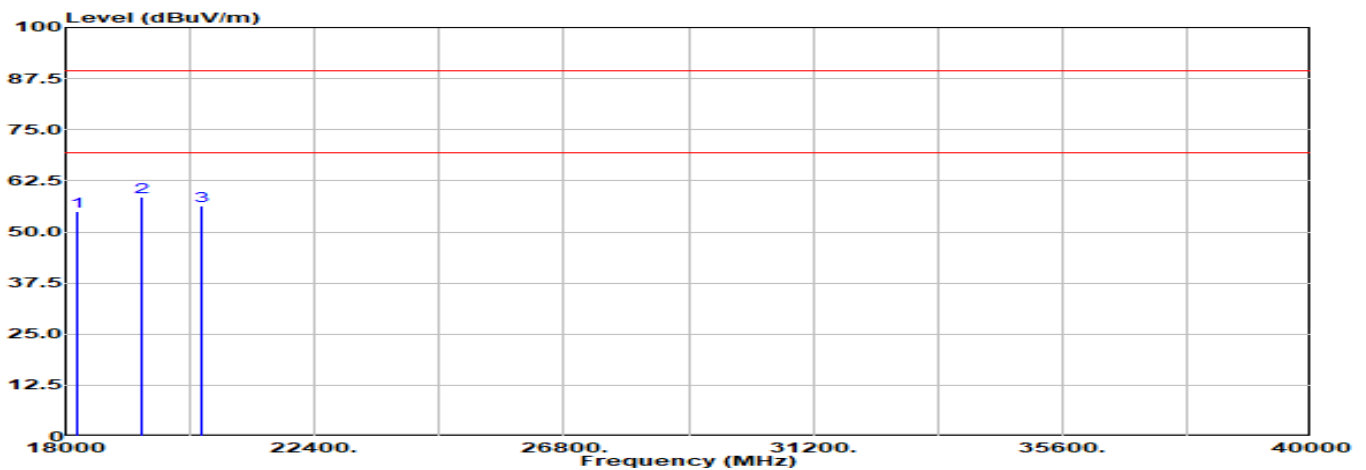


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	10018.500	47.12	80.00	-32.88	43.64	3.48	100	0	Peak
2	13316.500	48.81	80.00	-31.19	41.15	7.65	100	51	Peak
3	14795.500	49.55	80.00	-30.45	40.80	8.75	100	115	Peak

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	MAX BR1 Mini	Site	HY-CB05
Test Voltage	DC 10V	Test Date	2024-05-8
Test Mode	Mode 2	Engineer	Monica Wu
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

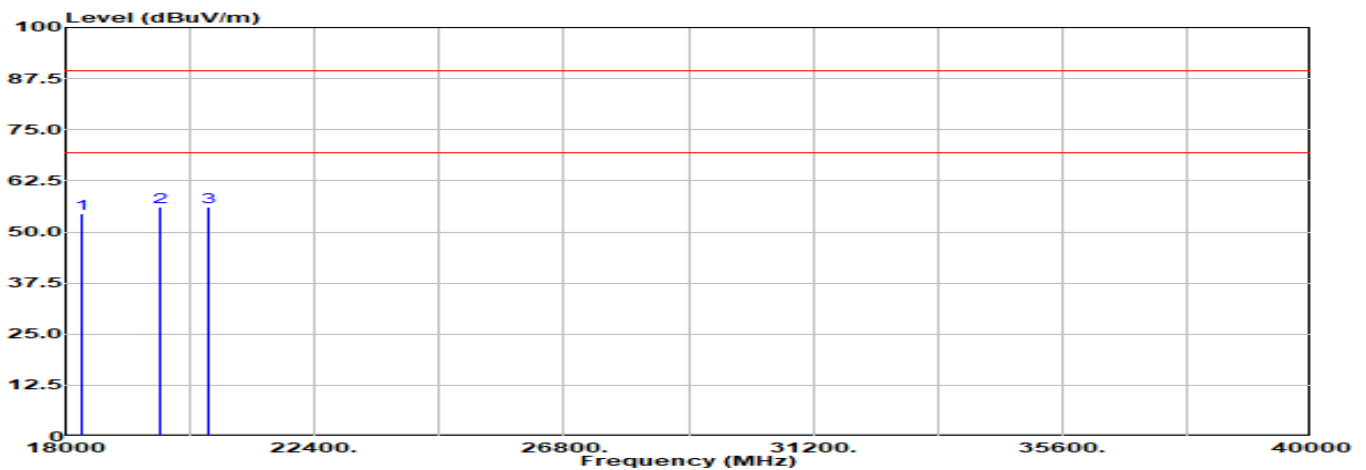


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	18214.500	54.88	89.50	-34.62	47.04	7.84	100	43	Peak
2	19325.500	58.59	89.50	-30.91	50.35	8.24	100	163	Peak
3	20403.500	56.26	89.50	-33.24	47.17	9.10	100	19	Peak

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	MAX BR1 Mini	Site	HY-CB05
Test Voltage	DC 10V	Test Date	2024-05-8
Test Mode	Mode 2	Engineer	Monica Wu
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54



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	18291.500	54.50	89.50	-35.00	46.76	7.74	100	94	Peak
2	19650.000	56.07	89.50	-33.43	48.25	7.82	100	154	Peak
3	20513.500	56.01	89.50	-33.49	46.82	9.19	100	341	Peak

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.