Testing Laboratory
3023

Test report No.: 2360564R-RFUSV01S-A

TEST REPORT

Product Name	Peplink Pepwave Wireless Product
Trademark	peplink PEPWAVE
Model and /or type reference	Dome Pro LR DOM-PRO-LR-5GN-PRM
FCC ID	U8G-P1AX05LR
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	PISMO LABS TECHNOLOGY LIMITED
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart C ANSI C63.4: 2014, ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented By (Senior Project Specialist / Joanne Lin)	Joanne Lin
Tested By (Senior Engineer / Ivan Chuang)	Ivan Chuang
Approved By (Senior Engineer / Jack Hsu)	Jack Hsu
Date of Receipt	2023/06/17
Date of Issue	2023/09/21
Report Version	V2.0

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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.

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
2360564R-RFUSV01S-A	V1.0	Initial issue of report.	2023/09/14
2360564R-RFUSV01S-A	V2.0	Test Conducted Emission	2023/09/21

1. General Information

1.1. EUT Description

Product Name	Peplink Pepwave Wireless Product
Trademark	peplink PEPWAVE
Model and /or type reference	Dome Pro LR DOM-PRO-LR-5GN-PRM
EUT Rated Voltage	802.3at PoE+ (without 802.3at PoE+output) 802.3bt PoE+ (with 802.3at PoE+output)
EUT Test Voltage	802.3bt PoE+
Frequency Range	802.11b/g/n/ac/ax-20 MHz: 2412-2462 MHz 802.11n/ac/ax-40 MHz: 2422-2452 MHz
Number of Channels	802.11b/g/n/ac/ax-20 MHz: 11CH 802.11n/ac/ax-40 MHz: 7CH
Data Speed	802.11b: 1-11Mbps 802.11g: 6-54Mbps 802.11n: up to 300Mbps 802.11ac: up to 400Mbps 802.11ax: up to 573.6Mbps
Channel separation	802.11b/g/n/ac/ax: 5 MHz
Type of Modulation	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g/n/ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM,1024QAM)
Channel Control	Auto

For Without Sell Accessories Information

PoE	Brand: BILLION M/N: BP035-560054QAX Input: AC 100-240V~50-60Hz, 0.8A Output: 56V⎓0.536A

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	peplink PEPWAVE	MR-10 (WiFi-1)	Omni-directional	7.8 dBi for 2400 MHz
2		MR-10 (WiFi-2)		7.8 dBi for 2400 MHz

Note: The antenna of EUT is conforming to FCC 15.203. The antenna gain as by the manufacturer provided.

For Power CDD Directional gain	For PSD CDD Directional gain
2400MHz: Directional gain = 7.8 dBi	2400MHz: Directional gain = 10.81 dBi
Directional gain = $G_{ANT\ MAX}$ + Array Gain, Array Gain = 0 dB for $N_{ANT} \leq 4$	Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / N_{ANT}] dBi

802.11b/g/n/ac/ax-20 MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412	02	2417	03	2422	04	2427
05	2432	06	2437	07	2442	08	2447
09	2452	10	2457	11	2462	--	--

802.11n/ac/ax-40 MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422	04	2427	05	2432	06	2437
07	2442	08	2447	09	2452	--	--

Note:

1. The EUT is a Peplink Pepwave Wireless Product with a built-in WLAN transceiver, this report for 2.4GHz WLAN.
2. It's declared by manufacture about all models are electrically identical, different model names for marketing purpose.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test. The other channels are for reference only.
4. Lowest data rates are tested in each mode. Only worst case is shown in the report. (802.11b is 1Mbps, 802.11g is 6Mbps, 802.11n/ac/ax is MCS0)
5. The CDD mode is presented in the power output test item. For other test items, CDD mode is the worst case for the final test and shown in this report.
6. The spectrum plot against conducted item only shows the worst case.
7. This device does not support partial RU function.
8. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g/n/ac/ax transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.

Test Mode	Mode 1	Transmit (802.11b)
		Transmit (802.11g)
		Transmit (802.11n-20 MHz)
		Transmit (802.11n-40 MHz)
		Transmit (802.11ac-20 MHz)
		Transmit (802.11ac-40 MHz)
		Transmit (802.11ax-20 MHz)
		Transmit (802.11ax-40 MHz)

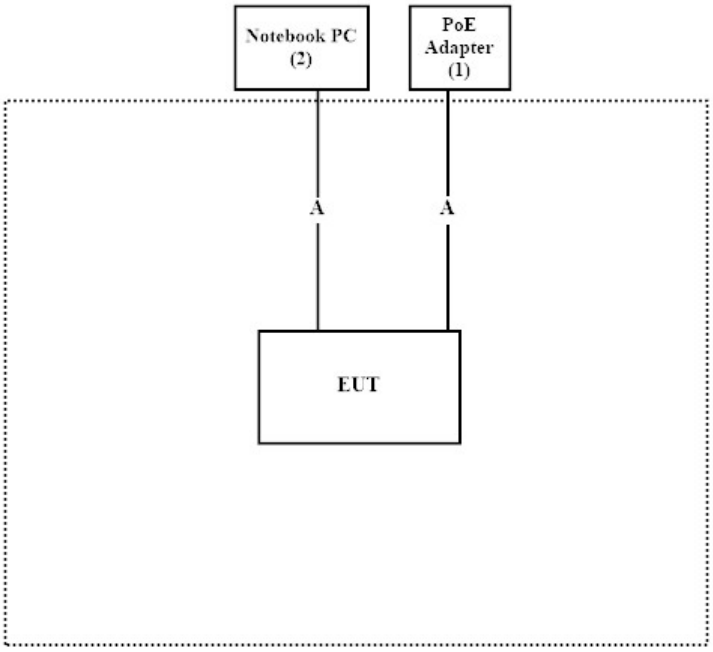
1.2. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	PoE Adapter	BILLION	BP035-560054QAX	N/A	N/A
2	Notebook PC	DELL	Latitude 5501	8JHGL13	N/A

Cable Type		Cable Description
A	LAN Cable	Shielded, 20m, two PCS.

1.3. Configuration of Tested System



1.4. EUT Exercise Software

1	Setup the EUT as shown in Section 1.3.
2	Execute software “QSPR Version 5.0-00197” on the Notebook PC.
3	Configure the test mode, the test channel, and the data rate.
4	Press “OK” to start the continuous transmit.
5	Verify that the EUT works properly.

1.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	10~40 °C	24.5 °C
	Humidity (%RH)	10~90 %	53.6 %
Radiated Emission	Temperature (°C)	10~40 °C	23.0 °C
	Humidity (%RH)	10~90 %	62.0 %
Conductive	Temperature (°C)	10~40 °C	22.0 °C
	Humidity (%RH)	10~90 %	55.0 %

USA	FCC Registration Number: TW0033
Canada	CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	Accredited by TAF
	Accredited Number: 3023

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.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist.,Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

1.6. List of Test Item and Equipment

For Conduction Measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	EMI Test Receiver	R&S	ESR7	101601	2023/06/20	2024/06/19
V	Two-Line V-Network	R&S	ENV216	101306	2023/03/16	2024/03/15
V	Two-Line V-Network	R&S	ENV216	101307	2023/08/17	2024/08/16
V	Coaxial Cable	SUHNER	RG400_BNC	RF001	2023/01/10	2024/01/09

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

For Conducted Measurements / HY-SR02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Spectrum Analyzer	R&S	FSV30	103466	2022/12/22	2023/12/21
V	Peak Power Analyzer	KEYSIGHT	8990B	MY51000539	2023/05/15	2024/05/14
V	Power Sensor	KEYSIGHT	N1923A	MY59240002	2023/05/18	2024/05/17
V	Power Sensor	KEYSIGHT	N1923A	MY59240003	2023/05/18	2024/05/17

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: RF Conducted Test Tools R3 V3.0.0.14.

For Radiated Measurements (9kHz-1G) / HY-CB03

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Loop Antenna	AMETEK	HLA6121	49611	2023/02/21	2024/02/20
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0678	2021/09/23	2023/09/22
	Horn Antenna	Com-Power	AH-840	101100	2021/10/04	2023/10/03
	Horn Antenna	RF SPIN	DRH18-E	210507A18ES	2023/05/11	2024/05/10
	Pre-Amplifier	SGH	0301	20211007-10	2023/01/10	2024/01/09
	Pre-Amplifier	SGH	PRAMP118	20200701	2023/01/10	2024/01/09
	Pre-Amplifier	EMCI	EMC05820SE	980310	2023/01/10	2024/01/09
	Pre-Amplifier	EMCI	EMC184045SE	980369	2023/01/10	2024/01/09
	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314		
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
	Filter	MICRO TRONICS	BRM50702	G269	2023/01/05	2024/01/04
	Filter	MICRO TRONICS	BRM50716	G196	2023/01/05	2024/01/04
V	EMI Test Receiver	R&S	ESR3	102793	2022/12/05	2023/12/04
V	Spectrum Analyzer	R&S	FSV3044	101113	2023/02/04	2024/02/03
V	Coaxial Cable	SGH	SGH18	2021005-1	2023/01/10	2024/01/09
	Coaxial Cable	SGH	SGH18	202108-4		
	Coaxial Cable	SGH	HA800	GD20110223-1		
	Coaxial Cable	SGH	HA800	GD20110222-3		

Note:

1. Bi-Log Antenna and Horn Antenna(AH-840) is calibrated every two years, the other equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

For Radiated Measurements (1GHz-40GHz) / HY-CB01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
	Loop Antenna	AMETEK	HLA6121	49611	2023/02/21	2024/02/20
	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2023/08/09	2025/08/08
V	Horn Antenna	RF SPIN	DRH18-E	210802A18ES	2023/03/23	2024/03/22
V	Horn Antenna	Com-Power	AH-840	101101	2021/11/30	2023/11/29
V	Pre-Asmplifier	SGH	0301	20211007-7	2023/01/10	2024/01/09
V	Pre-Amplifier	EMCI	EMC051845SE	980632	2023/01/10	2024/01/09
V	Pre-Amplifier	EMCI	EMC05820SE	980362	2023/01/10	2024/01/09
V	Pre-Amplifier	EMCI	EMC184045SE	980369	2023/01/10	2024/01/09
	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314		
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
V	Filter	MICRO TRONICS	BRM50702	G251	2023/01/05	2024/01/04
	Filter	MICRO TRONICS	BRM50716	067	2023/01/05	2024/01/04
V	EMI Test Receiver	R&S	ESR3	102793	2022/12/05	2023/12/04
V	Spectrum Analyzer	R&S	FSV3044	101113	2023/02/04	2024/02/03
V	Coaxial Cable	SGH	SGH18	2021005-1	2023/01/10	2024/01/09
	Coaxial Cable	SGH	SGH18	202108-4		
	Coaxial Cable	SGH	HA800	GD20110223-1		
	Coaxial Cable	SGH	HA800	GD20110222-3		

Note:

1. Bi-Log Antenna and Horn Antenna(AH-840) is calibrated every two years, the other equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

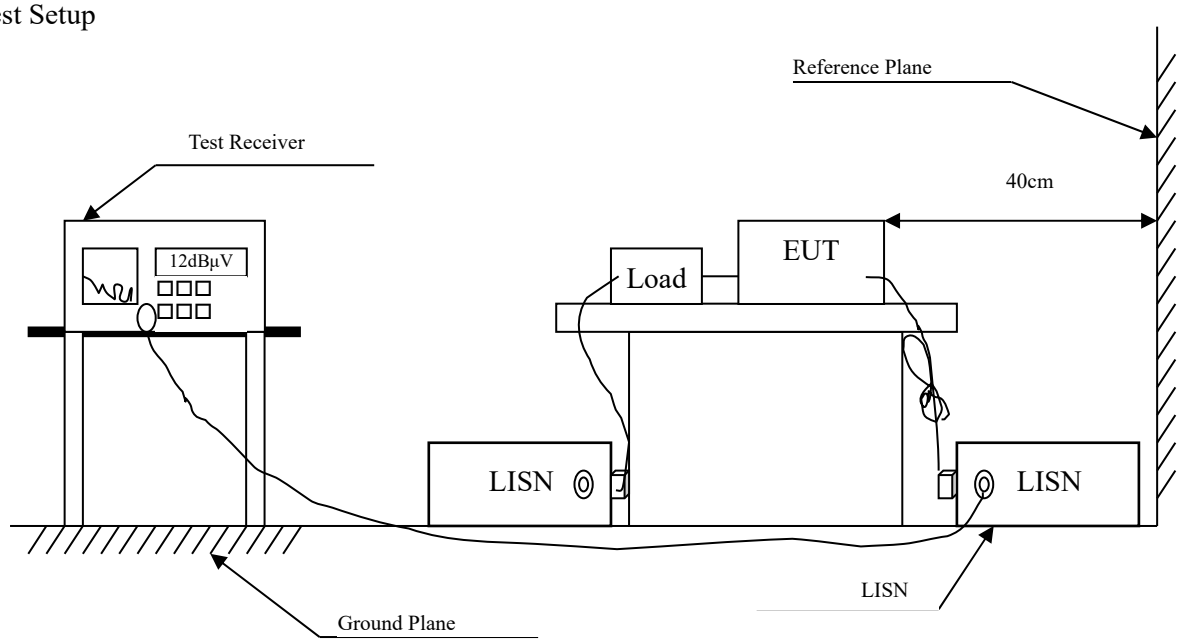
1.7. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.
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.

Test item	Uncertainty
Conducted Emission	±3.50 dB
Peak Power Output	Spectrum Analyzer: ±2.14 dB Power Meter: ±1.05 dB
Radiated Emission	9 kHz~30 MHz: ±3.88 dB 30 MHz~1 GHz: ±4.42 dB 1 GHz~18 GHz: ±4.28 dB 18 GHz~40 GHz: ±3.90 dB
RF Antenna Conducted Test	±2.14 dB
Band Edge	9 kHz~30 MHz: ±3.88 dB 30 MHz~1 GHz: ±4.42 dB 1 GHz~18 GHz: ±4.28 dB 18 GHz~40 GHz: ±3.90 dB
6dB Bandwidth	±1580.61 Hz
Power Density	±2.14 dB
Duty Cycle	±0.53 %

2. Conducted Emission

2.1. Test Setup



2.2. Limits

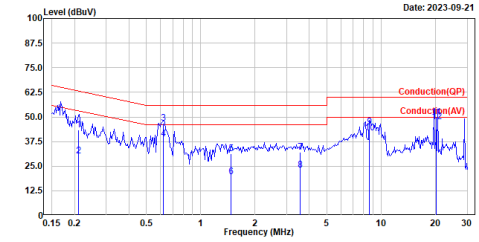
FCC Part 15 Subpart C Paragraph 15.207 (dBµV) Limit		
Frequency MHz	Limits	
	QP	AVG
0.15 - 0.50	66-56	56-46
0.50 - 5.0	56	46
5.0 - 30	60	50

2.3. 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 50 ohm / 50 µH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm /50 µH coupling impedance with 50 ohm 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 according to ANSI C63.4: 2014 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz.

2.4. Test Result of Conducted Emission

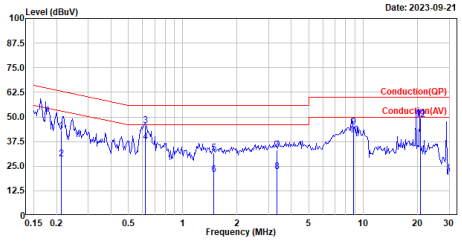
Site :HY-SR01
Condition :Line
Mode :ax40_2437MHz_TX
test by :Neko



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.210	43.45	63.19	-19.74	33.77	9.68	QP
2	0.210	30.29	53.19	-22.90	20.61	9.68	Average
3	0.623	46.82	56.00	-9.18	37.13	9.69	QP
4	0.623	38.83	46.00	-7.17	29.14	9.69	Average
5	1.471	31.43	56.00	-24.57	21.66	9.77	QP
6	1.471	19.52	46.00	-26.48	9.75	9.77	Average
7	3.545	32.22	56.00	-23.78	21.88	10.34	QP
8	3.545	22.88	46.00	-23.12	12.54	10.34	Average
9	8.569	44.92	60.00	-15.08	34.11	10.81	QP
10	8.569	41.79	50.00	-8.21	30.98	10.81	Average
11	20.160	49.79	60.00	-10.21	39.11	10.68	QP
12	20.160	47.49	50.00	-2.51	36.81	10.68	Average

Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

Site :HY-SR01
Condition :Neutral
Mode :ax40_2437MHz_TX
test by :Neko

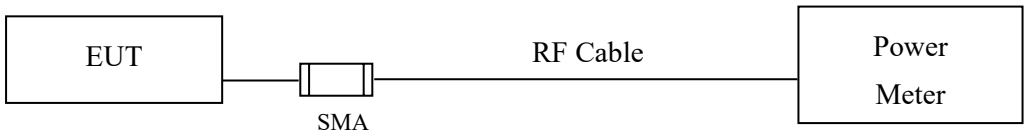


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.213	42.83	63.08	-20.25	33.17	9.66	QP
2	0.213	28.72	53.08	-24.36	19.06	9.66	Average
3	0.623	45.60	56.00	-10.40	35.93	9.67	QP
4	0.623	37.23	46.00	-8.77	27.56	9.67	Average
5	1.487	31.59	56.00	-24.41	21.84	9.75	QP
6	1.487	20.86	46.00	-25.14	11.11	9.75	Average
7	3.329	33.19	56.00	-22.81	22.94	10.25	QP
8	3.329	22.37	46.00	-23.63	12.12	10.25	Average
9	8.821	44.74	60.00	-15.26	33.94	10.80	QP
10	8.821	40.87	50.00	-9.13	30.07	10.80	Average
11	20.662	49.45	60.00	-10.55	38.69	10.76	QP
12	20.662	48.85	50.00	-1.15	38.09	10.76	Average

Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

3. Maximum Power Output

3.1. Test Setup



3.2. Limits

The maximum peak power shall be less 1 Watt.

3.3. Test Procedure

The EUT was tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using ANSI C63.10:2013 Section 11.9.1.3 PKPM1 Peak power meter method.
The maximum average conducted output power using ANSI C63.10:2013 Section 11.9.2.3 Measurement using a power meter (PM). (Measurement using a gated RF average-reading power meter).
The maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For CDD mode:

2400MHz: Directional gain = 7.8 dBi, Limit= 28.2dBm

(Directional gain = $G_{ANT\ MAX}$ + Array Gain, Array Gain = 0 dB for $N_{ANT} \leq 4$)

3.4. Test Result of Maximum Power Output

Product	:	Peplink Pepwave Wireless Product
Test Item	:	Maximum Power Output Data
Test Mode	:	Transmit (802.11b)
Test Date	:	2023/07/04

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
01	2412	1	24.51	24.98	27.76	<28.2	Pass
06	2437	1	24.62	25.15	27.90	<28.2	Pass
11	2462	1	24.77	25.38	28.10	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW)).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11g)
Test Date : 2023/07/04

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
01	2412	6	19.12	19.57	22.36	<28.2	Pass
06	2437	6	25.98	24.12	28.16	<28.2	Pass
11	2462	6	21.63	21.85	24.75	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW)).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11n-20 MHz)
Test Date : 2023/07/04

Channel No.	Frequency (MHz)	Data Rate	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
01	2412	MCS0	15.54	15.84	18.70	<28.2	Pass
06	2437	MCS0	25.79	24.24	28.09	<28.2	Pass
11	2462	MCS0	21.11	21.28	24.21	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW)).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11n-40 MHz)
Test Date : 2023/07/04

Channel No.	Frequency (MHz)	Data Rate	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
03	2422	MCS0	16.24	17.04	19.67	<28.2	Pass
06	2437	MCS0	18.02	18.63	21.35	<28.2	Pass
09	2452	MCS0	13.48	14.08	16.80	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW)).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11ac-20 MHz)
Test Date : 2023/07/04

Channel No.	Frequency (MHz)	Data Rate	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
01	2412	MCS0	15.59	15.93	18.77	<28.2	Pass
06	2437	MCS0	25.72	24.32	28.09	<28.2	Pass
11	2462	MCS0	21.12	21.32	24.23	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11ac-40 MHz)
Test Date : 2023/07/04

Channel No.	Frequency (MHz)	Data Rate	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
03	2422	MCS0	16.33	17.10	19.74	<28.2	Pass
06	2437	MCS0	18.06	18.69	21.40	<28.2	Pass
09	2452	MCS0	13.52	14.11	16.84	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11ax-20 MHz)
Test Date : 2023/07/04

Channel No.	Frequency (MHz)	Data Rate	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
01	2412	MCS0	15.66	15.98	18.83	<28.2	Pass
06	2437	MCS0	25.81	24.39	28.17	<28.2	Pass
11	2462	MCS0	21.21	21.39	24.31	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW).

Product : Peplink Pepwave Wireless Product
Test Item : Maximum Power Output Data
Test Mode : Transmit (802.11ax-40 MHz)
Test Date : 2023/07/04

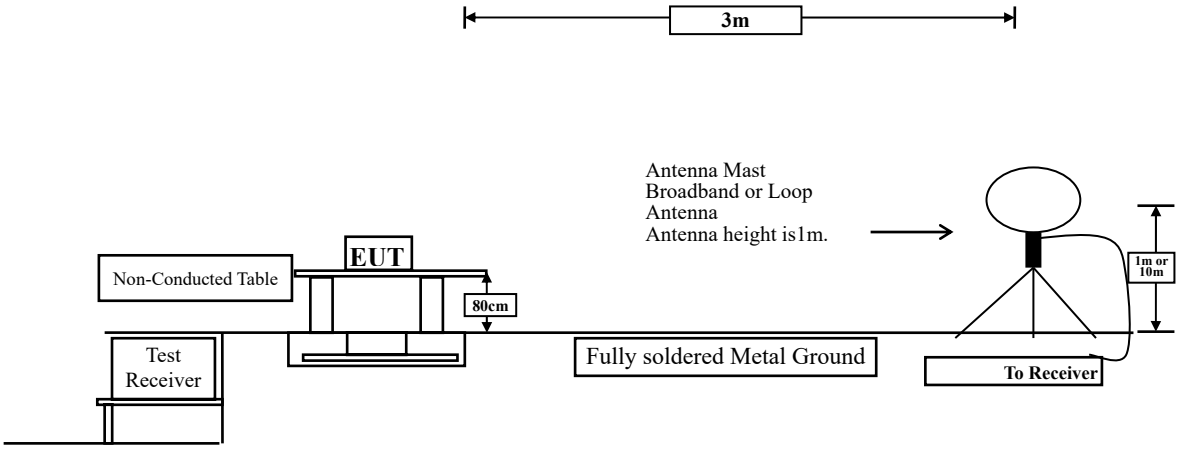
Channel No.	Frequency (MHz)	Data Rate	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
03	2422	MCS0	16.39	17.15	19.80	<28.2	Pass
06	2437	MCS0	18.12	18.77	21.47	<28.2	Pass
09	2452	MCS0	13.59	14.18	16.91	<28.2	Pass

Note: Average Power Output Value (dBm) = 10*LOG (Chain A (mW) + Chain B (mW).

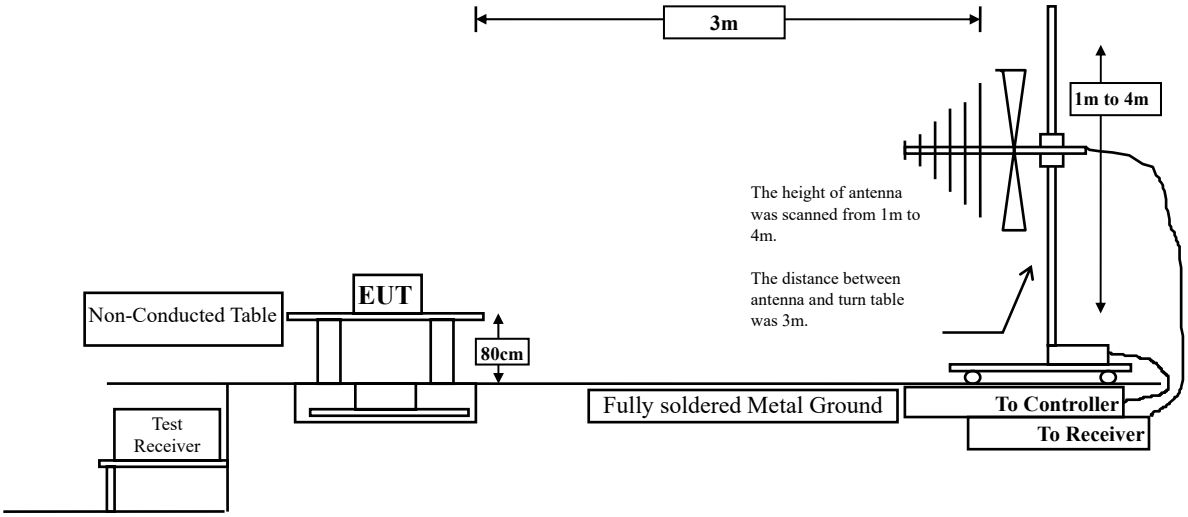
4. Radiated Emission

4.1. Test Setup

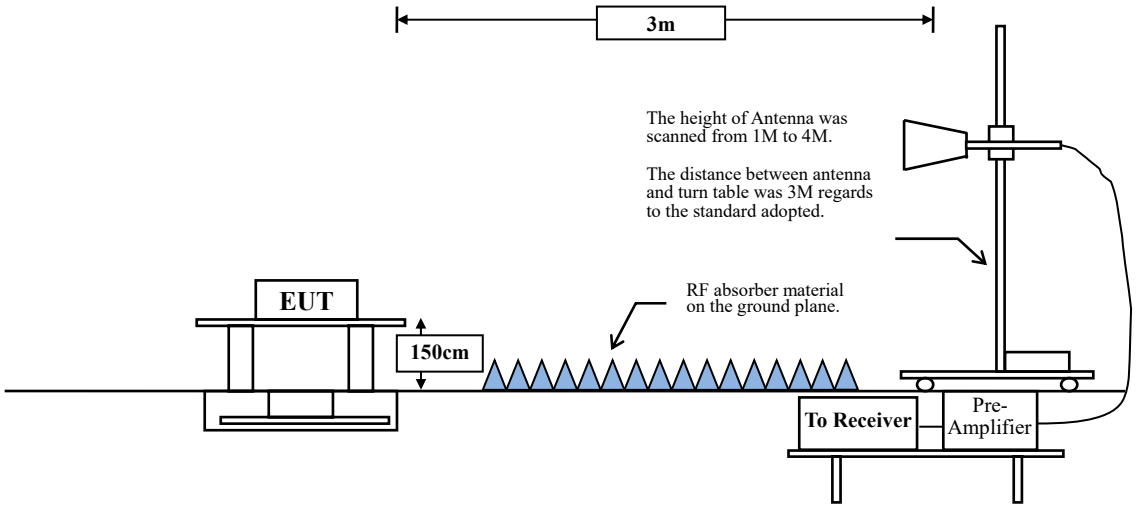
Radiated Emission Under 30 MHz



Radiated Emission Below 1 GHz



Radiated Emission Above 1 GHz



4.2. Limits

➢ **General Radiated Emission Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	Field strength (microvolts/meter)	*Measurement distance* *(meter)*
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks:

1. RF Voltage (dBμV/m) = 20 log RF Voltage (μV/m)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to C63.10:2013 Section 11.12.1 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground,when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The measurement frequency range form 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to C63.10 Section 11.12.2.4 Peak measurement procedure.

RBW = as specified in Table 1.

VBW ≥ 3 x RBW.

Table 1 - RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

According to C63.10 Section 11.12.2.5 Average measurement procedure.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

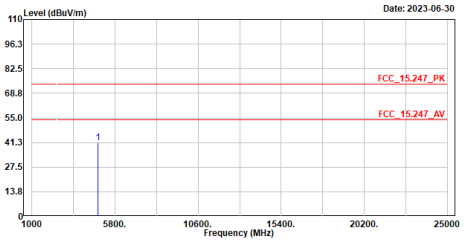
(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

2.4GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11b	71.86	1.5120	661	1000
802.11g	89.38	1.4300	699	1000
802.11ax-20 MHz	95.42	5.4200	185	200
802.11ax-40 MHz	93.75	5.4000	185	200

Note: Duty Cycle Refer to Section 9.

4.4. Test Result of Radiated Emission

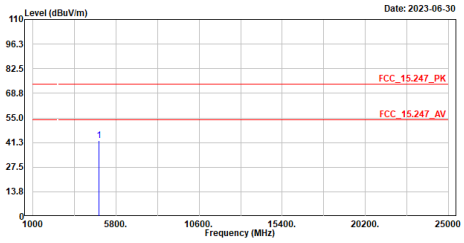
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	41.12	74.00	-32.88	54.45	-13.33	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

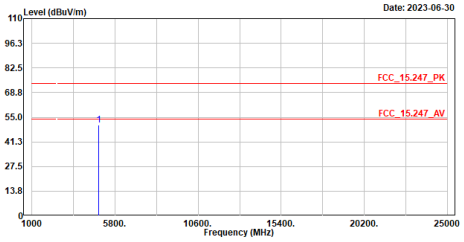
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_b_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	42.16	74.00	-31.84	55.49	-13.33	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

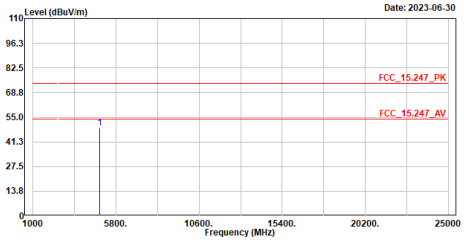
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_b_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	50.57	74.00	-23.43	63.91	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

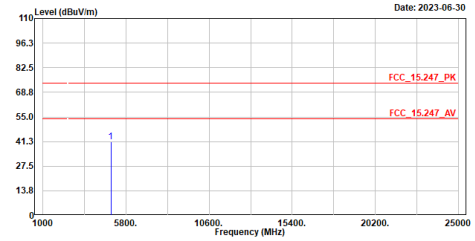
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_b_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	49.06	74.00	-24.94	62.40	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

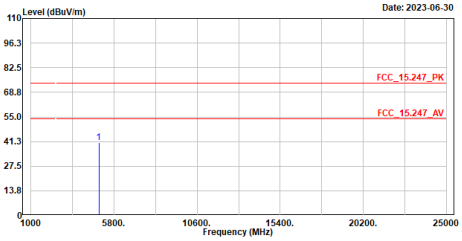
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_b_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	40.89	74.00	-33.11	54.24	-13.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

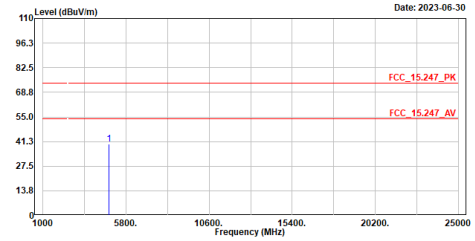
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_b_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	40.81	74.00	-33.19	54.16	-13.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

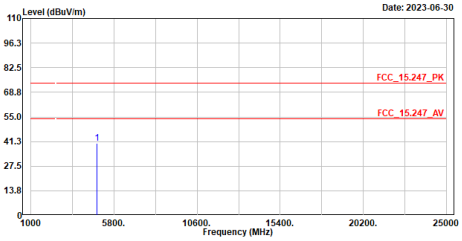
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_g_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	39.77	74.00	-34.23	53.10	-13.33	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

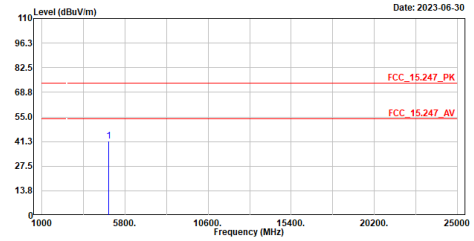
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_g_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	40.14	74.00	-33.86	53.47	-13.33	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

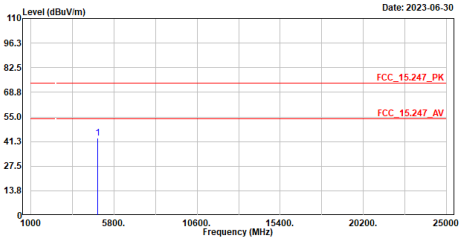
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_g_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	41.46	74.00	-32.54	54.80	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

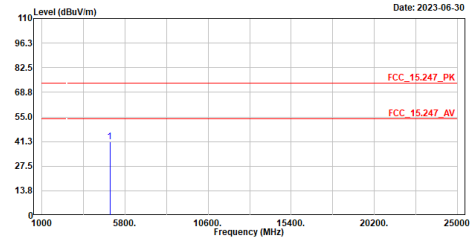
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_g_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	43.19	74.00	-30.81	56.53	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

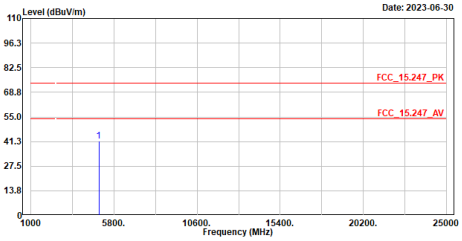
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_g_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	41.05	74.00	-32.95	54.40	-13.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

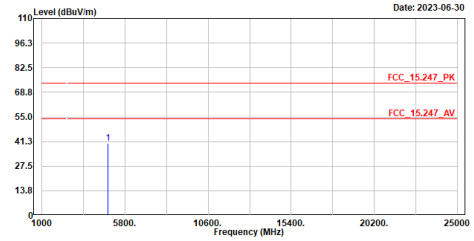
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_g_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	41.42	74.00	-32.58	54.77	-13.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

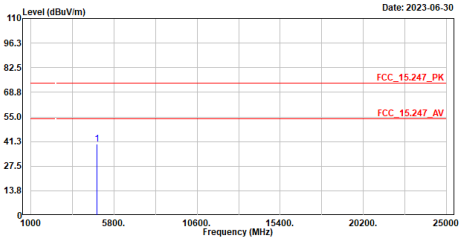
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	40.15	74.00	-33.85	53.48	-13.33	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

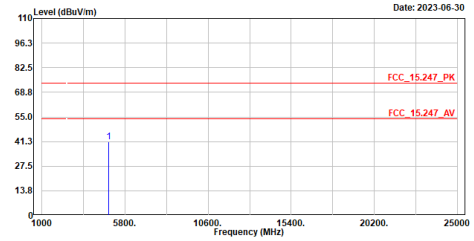
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax20_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	39.70	74.00	-34.30	53.03	-13.33	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

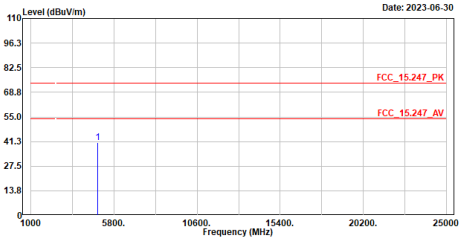
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	40.97	74.00	-33.03	54.31	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

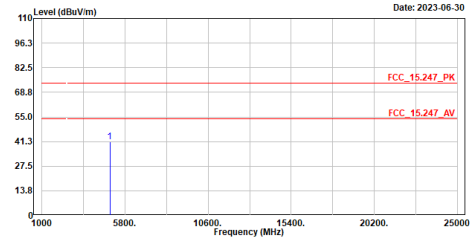
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	40.78	74.00	-33.22	54.12	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

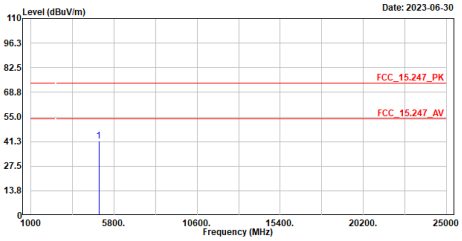
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	40.89	74.00	-33.11	54.24	-13.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

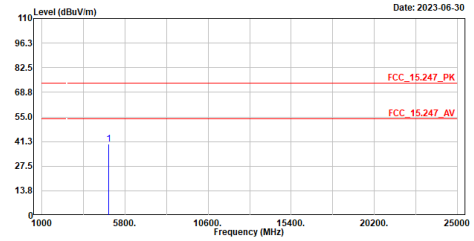
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax20_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	41.61	74.00	-32.39	54.96	-13.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

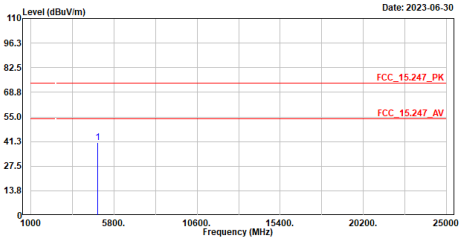
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax40_2422MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4844.000	39.98	74.00	-34.02	53.24	-13.26	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

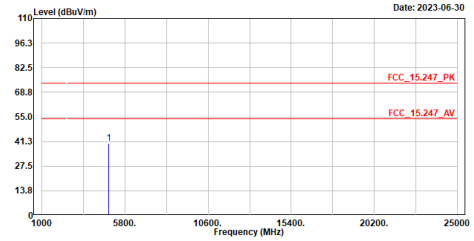
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax40_2422MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4844.000	40.51	74.00	-33.49	53.77	-13.26	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

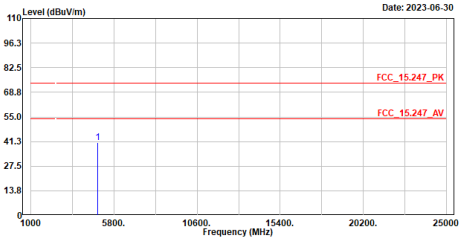
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax40_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	40.23	74.00	-33.77	53.57	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

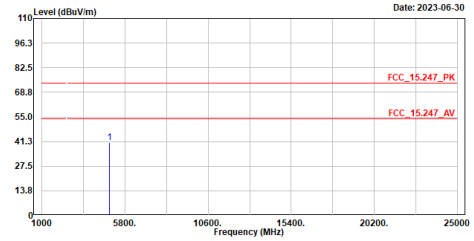
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax40_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	40.49	74.00	-33.51	53.83	-13.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

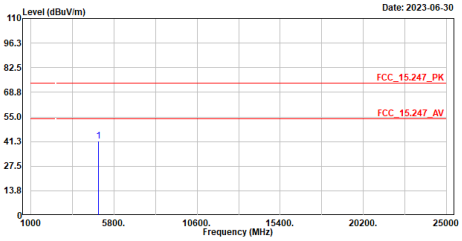
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax40_2452MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4904.000	40.55	74.00	-33.45	53.97	-13.42	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

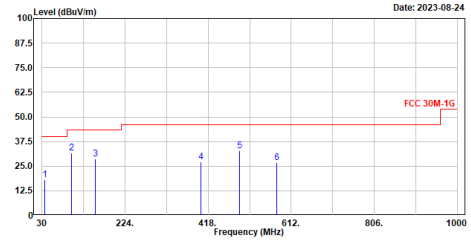
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax40_2452MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4904.000	41.45	74.00	-32.55	54.87	-13.42	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

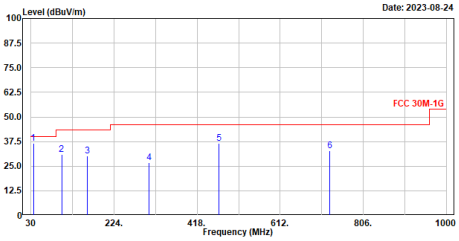
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_2437MHz
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	36.790	18.29	40.00	-21.71	43.18	-24.89	QP
2	98.870	31.60	43.50	-11.90	60.42	-28.82	QP
3	155.130	28.61	43.50	-14.89	52.28	-23.67	QP
4	400.540	27.34	46.00	-18.66	48.20	-20.86	QP
5	491.720	32.98	46.00	-13.02	51.56	-18.58	QP
6	579.020	26.70	46.00	-19.30	43.24	-16.54	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_2437MHz
Test BY :Ashton

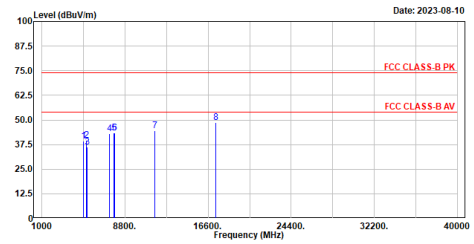


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	35.820	36.54	40.00	-3.46	61.50	-24.96	QP
2	101.780	30.88	43.50	-12.62	59.15	-28.27	QP
3	160.950	30.14	43.50	-13.36	54.04	-23.90	QP
4	306.450	26.66	46.00	-19.34	50.00	-23.34	QP
5	468.440	36.65	46.00	-9.35	55.59	-18.94	QP
6	727.430	32.90	46.00	-13.10	47.04	-14.14	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Test Result of Radiated Emission co-location

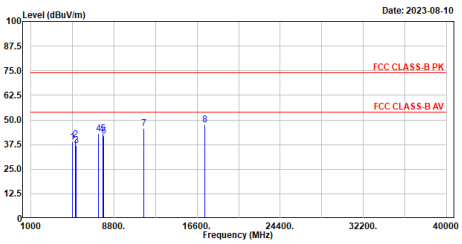
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+LTEB38_CH38150
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	39.42	74.00	-34.58	53.28	-13.86	Peak
2	5160.000	39.57	74.00	-34.43	53.02	-13.45	Peak
3	5220.000	36.37	74.00	-37.63	49.62	-13.25	Peak
4	7311.000	42.96	74.00	-31.04	49.70	-6.74	Peak
5	7740.000	43.36	74.00	-30.64	50.81	-7.45	Peak
6	7830.000	43.40	74.00	-30.60	50.83	-7.43	Peak
7	11570.000	44.61	74.00	-29.39	46.46	-1.85	Peak
8	17355.000	48.76	74.00	-25.24	49.37	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

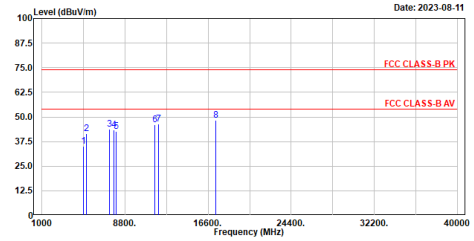
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+LTEB38_CH38150
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	38.75	74.00	-35.25	52.61	-13.86	Peak
2	5160.000	40.01	74.00	-33.99	53.46	-13.45	Peak
3	5220.000	36.89	74.00	-37.11	50.14	-13.25	Peak
4	7311.000	43.13	74.00	-30.87	49.87	-6.74	Peak
5	7740.000	42.92	74.00	-31.08	50.37	-7.45	Peak
6	7830.000	41.74	74.00	-32.26	49.17	-7.43	Peak
7	11570.000	45.85	74.00	-28.15	47.70	-1.85	Peak
8	17355.000	47.44	74.00	-26.56	48.05	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

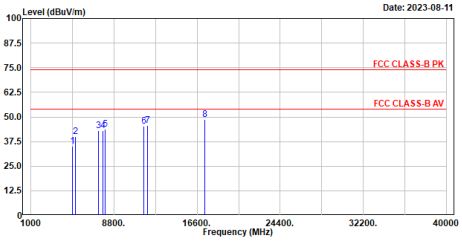
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+NRn77_CH665332
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	34.91	74.00	-39.09	48.77	-13.86	Peak
2	5160.000	41.52	74.00	-32.48	54.97	-13.45	Peak
3	7311.000	43.91	74.00	-30.09	50.65	-6.74	Peak
4	7740.000	43.46	74.00	-30.54	50.91	-7.45	Peak
5	7959.900	42.68	74.00	-31.32	50.14	-7.46	Peak
6	11570.000	45.87	74.00	-28.13	47.72	-1.85	Peak
7	11939.850	46.47	74.00	-27.53	47.59	-1.12	Peak
8	17355.000	48.22	74.00	-25.78	48.83	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

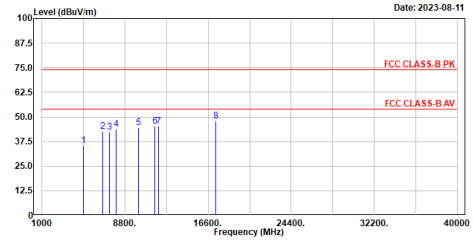
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+NRn77_CH665332
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	35.19	74.00	-38.81	49.05	-13.86	Peak
2	5160.000	39.81	74.00	-34.19	53.26	-13.45	Peak
3	7311.000	43.13	74.00	-30.87	49.87	-6.74	Peak
4	7740.000	43.13	74.00	-30.87	50.58	-7.45	Peak
5	7959.900	43.83	74.00	-30.17	51.29	-7.46	Peak
6	11570.000	45.45	74.00	-28.55	47.30	-1.85	Peak
7	11939.850	45.65	74.00	-28.35	46.77	-1.12	Peak
8	17355.000	48.73	74.00	-25.27	49.34	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

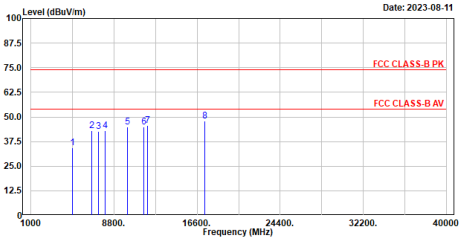
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax20_2437MHz_a_5785MHz_NRn77_CH623334+NRn77_CH665332
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	35.31	74.00	-38.69	49.17	-13.86	Peak
2	6700.020	42.51	74.00	-31.49	49.85	-7.34	Peak
3	7311.000	42.43	74.00	-31.57	49.17	-6.74	Peak
4	7959.900	43.82	74.00	-30.18	51.28	-7.46	Peak
5	10050.030	44.40	74.00	-29.60	49.48	-5.08	Peak
6	11570.000	45.45	74.00	-28.55	47.30	-1.85	Peak
7	11939.850	45.27	74.00	-28.73	46.39	-1.12	Peak
8	17355.000	47.81	74.00	-26.19	48.42	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

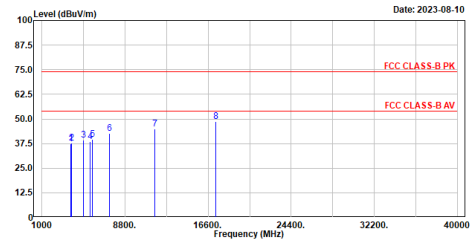
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax20_2437MHz_a_5785MHz_NRn77_CH663334+NRn77_CH665332
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	34.30	74.00	-39.70	48.16	-13.86	Peak
2	6700.020	43.17	74.00	-30.83	50.51	-7.34	Peak
3	7311.000	42.61	74.00	-31.39	49.35	-6.74	Peak
4	7959.900	43.00	74.00	-31.00	50.46	-7.46	Peak
5	10050.030	44.72	74.00	-29.28	49.80	-5.08	Peak
6	11570.000	44.87	74.00	-29.13	46.72	-1.85	Peak
7	11939.850	45.56	74.00	-28.44	46.68	-1.12	Peak
8	17355.000	48.05	74.00	-25.95	48.66	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

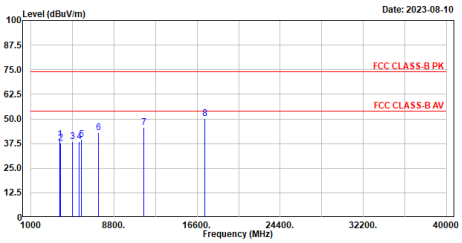
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz_a_5785MHz_WCDMAB2_CH9662+WCDMAB2_CH9538
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	3704.800	37.53	74.00	-36.47	56.25	-18.72	Peak
2	3815.200	37.75	74.00	-36.25	55.69	-17.94	Peak
3	4874.000	39.22	74.00	-34.78	53.08	-13.86	Peak
4	5557.200	38.47	74.00	-35.53	50.59	-12.12	Peak
5	5722.800	39.79	74.00	-34.21	51.18	-11.39	Peak
6	7311.000	42.47	74.00	-31.53	49.21	-6.74	Peak
7	11570.000	44.81	74.00	-29.19	46.66	-1.85	Peak
8	17355.000	48.57	74.00	-25.43	49.18	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

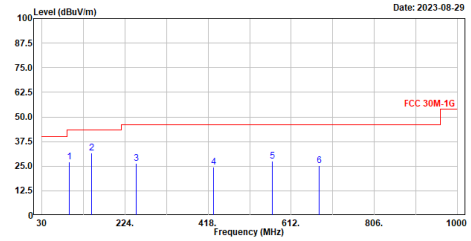
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz_a_5785MHz_WCDMAB2_CH9662+WCDMAB2_CH9538
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	3704.800	39.68	74.00	-34.32	58.40	-18.72	Peak
2	3815.200	37.68	74.00	-36.32	55.62	-17.94	Peak
3	4874.000	38.59	74.00	-35.41	52.45	-13.86	Peak
4	5557.200	38.63	74.00	-35.37	50.75	-12.12	Peak
5	5722.800	39.75	74.00	-34.25	51.14	-11.39	Peak
6	7311.000	42.90	74.00	-31.10	49.64	-6.74	Peak
7	11570.000	45.69	74.00	-28.31	47.54	-1.85	Peak
8	17355.000	50.32	74.00	-23.68	50.93	-0.61	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

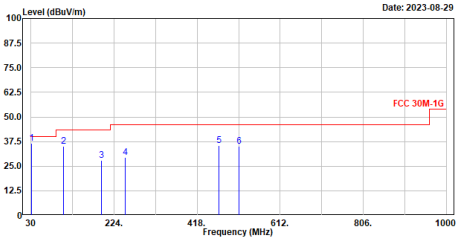
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+LTEB38_CH38150
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	94.020	27.14	43.50	-16.36	56.69	-29.55	QP
2	145.430	31.86	43.50	-11.64	56.01	-24.15	QP
3	250.190	26.39	46.00	-19.61	51.57	-25.18	QP
4	431.580	24.42	46.00	-21.58	44.33	-19.91	QP
5	567.380	27.61	46.00	-18.39	44.66	-17.05	QP
6	676.990	25.28	46.00	-20.72	40.22	-14.94	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

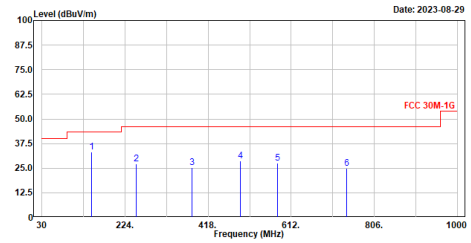
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+LTEB38_CH38150
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	31.940	36.45	40.00	-3.55	61.90	-25.45	QP
2	106.630	35.20	43.50	-8.30	62.84	-27.64	QP
3	194.900	27.75	43.50	-15.75	54.89	-27.14	QP
4	250.190	29.49	46.00	-16.51	54.67	-25.18	QP
5	468.440	35.51	46.00	-10.49	54.45	-18.94	QP
6	515.970	35.26	46.00	-10.74	53.47	-18.21	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

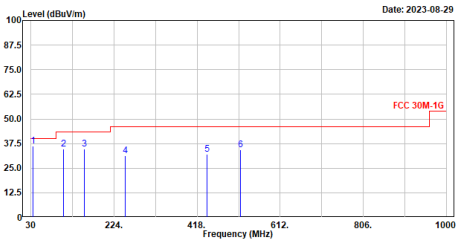
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+NRn77_CH665332
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	145.430	33.06	43.50	-10.44	57.21	-24.15	QP
2	250.190	27.27	46.00	-18.73	52.45	-25.18	QP
3	381.140	25.33	46.00	-20.67	46.65	-21.32	QP
4	493.660	28.55	46.00	-17.45	47.09	-18.54	QP
5	579.990	27.72	46.00	-18.28	44.22	-16.50	QP
6	741.010	25.07	46.00	-20.93	38.62	-13.55	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

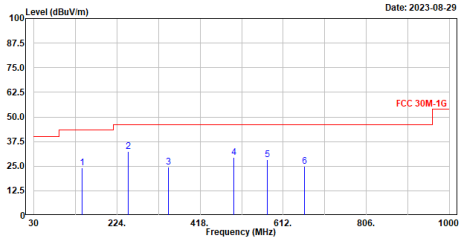
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz_a_5785MHz_LTEB38_CH37850+NRn77_CH665332
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	34.850	36.17	40.00	-3.83	61.17	-25.00	QP
2	106.630	34.80	43.50	-8.70	62.44	-27.64	QP
3	155.130	34.54	43.50	-8.96	58.21	-23.67	QP
4	250.190	31.35	46.00	-14.65	56.53	-25.18	QP
5	441.280	32.24	46.00	-13.76	51.95	-19.71	QP
6	519.850	34.32	46.00	-11.68	52.43	-18.11	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

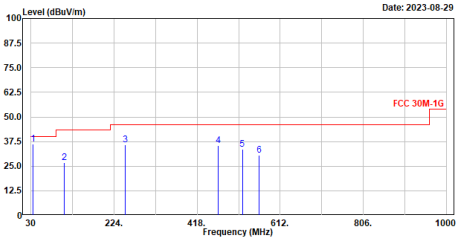
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz_a_5785MHz_NRn77_CH623334+NRn77_CH665332
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	142.520	24.14	43.50	-19.36	48.48	-24.34	QP
2	250.190	32.44	46.00	-13.56	57.62	-25.18	QP
3	343.310	24.36	46.00	-21.64	46.74	-22.38	QP
4	496.570	29.30	46.00	-16.70	47.78	-18.48	QP
5	575.140	28.18	46.00	-17.82	44.88	-16.70	QP
6	662.440	25.02	46.00	-20.98	40.23	-15.21	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

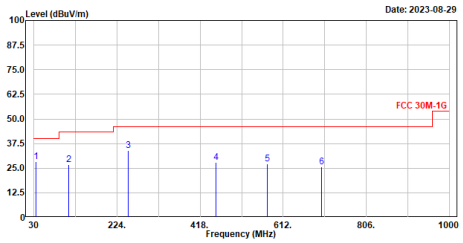
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz_a_5785MHz_NRn77_CH623334+NRn77_CH665332
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	34.850	36.36	40.00	-3.64	61.36	-25.00	QP
2	108.570	26.74	43.50	-16.76	54.07	-27.33	QP
3	250.190	35.95	46.00	-10.05	61.13	-25.18	QP
4	466.500	35.33	46.00	-10.67	54.31	-18.98	QP
5	523.730	33.58	46.00	-12.42	51.62	-18.04	QP
6	563.500	30.47	46.00	-15.53	47.63	-17.16	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

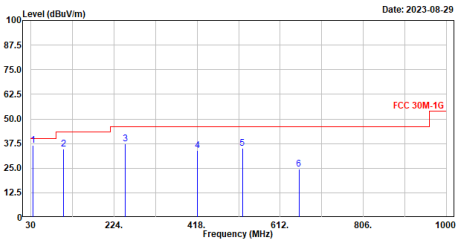
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2437MHz_a_5785MHz_WCDMAB2_CH9662+WCDMAB2_CH9538
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	34.850	28.42	40.00	-11.58	53.42	-25.00	QP
2	111.480	26.70	43.50	-16.80	53.83	-27.13	QP
3	250.190	33.97	46.00	-12.03	59.15	-25.18	QP
4	455.830	27.85	46.00	-18.15	47.09	-19.24	QP
5	575.140	27.15	46.00	-18.85	43.85	-16.70	QP
6	702.210	25.76	46.00	-20.24	40.33	-14.57	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_2437MHz_a_5785MHz_WCDMAB2_CH9662+WCDMAB2_CH9538
Test BY :Peter



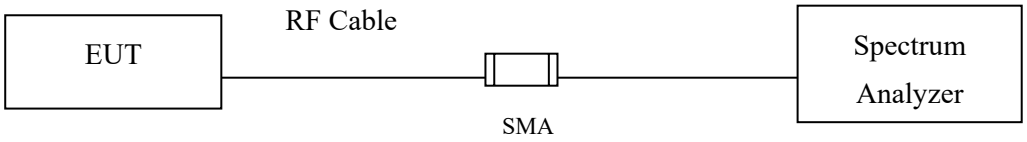
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	34.850	36.50	40.00	-3.50	61.50	-25.00	QP
2	106.630	34.76	43.50	-8.74	62.40	-27.64	QP
3	250.190	37.51	46.00	-8.49	62.69	-25.18	QP
4	418.000	34.09	46.00	-11.91	54.43	-20.34	QP
5	523.730	35.21	46.00	-10.79	53.25	-18.04	QP
6	655.650	24.58	46.00	-21.42	39.83	-15.25	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

5. RF Antenna Conducted Test

5.1. Test Setup

RF antenna Conducted Measurement:



5.2. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.3. Test Procedure

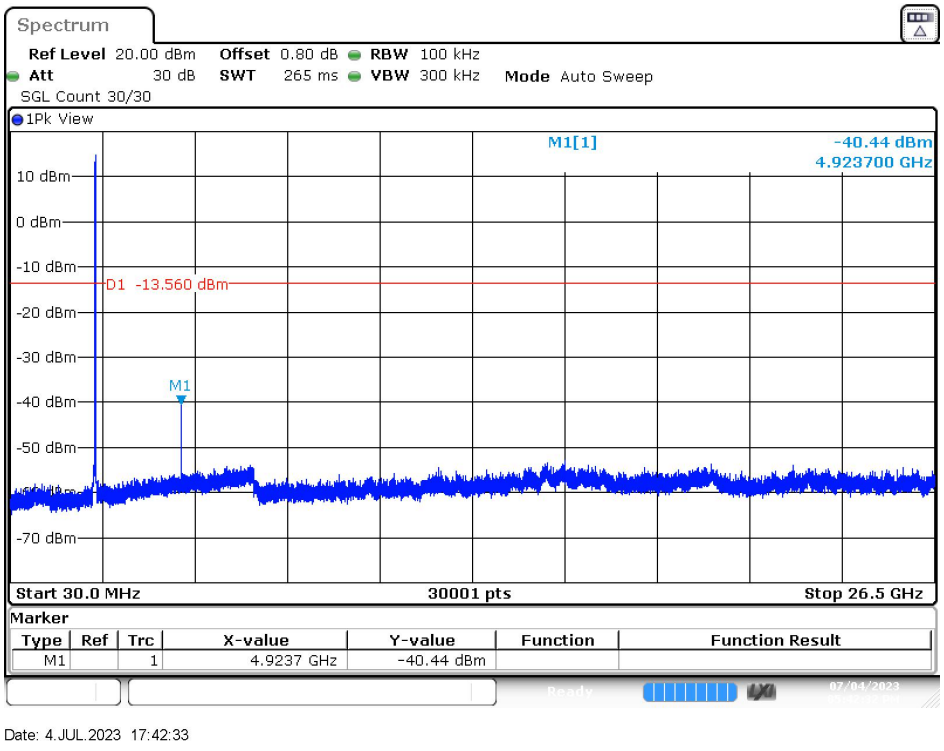
The EUT was tested according to C63.10:2013 Section 11.11 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.4. Test Result of RF antenna conducted test

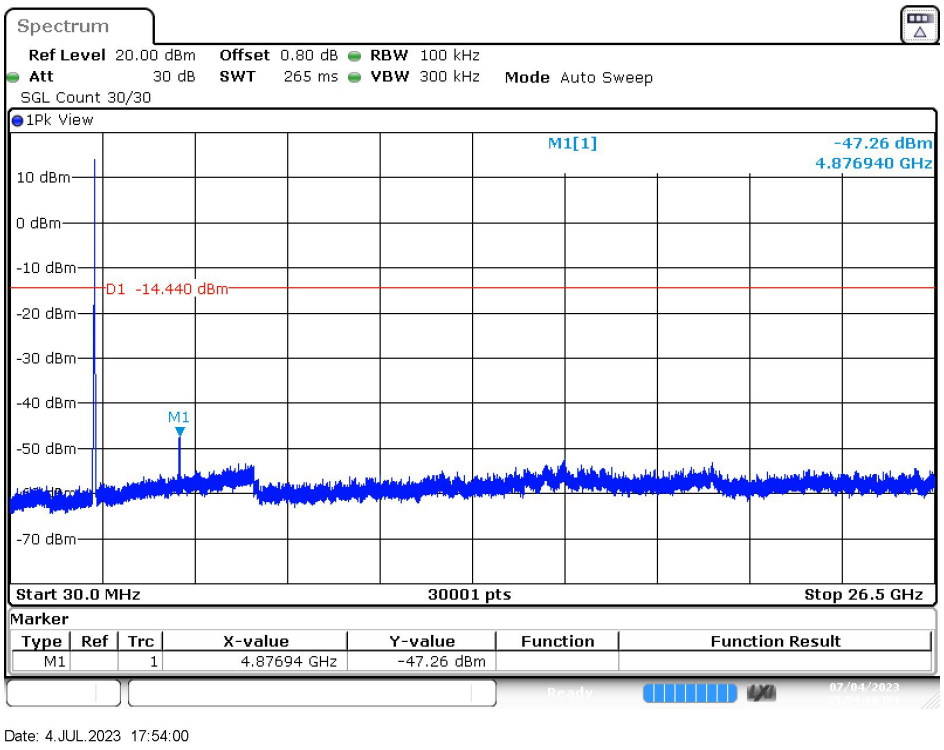
Product	:	Peplink Pepwave Wireless Product
Test Item	:	RF antenna conducted test
Test Mode	:	Transmit (802.11b)
Test Date	:	2023/07/04

Channel 11 (2462 MHz)



Product	:	Peplink Pepwave Wireless Product
Test Item	:	RF Antenna Conducted Spurious
Test Mode	:	Transmit (802.11g)
Test Date	:	2023/07/04

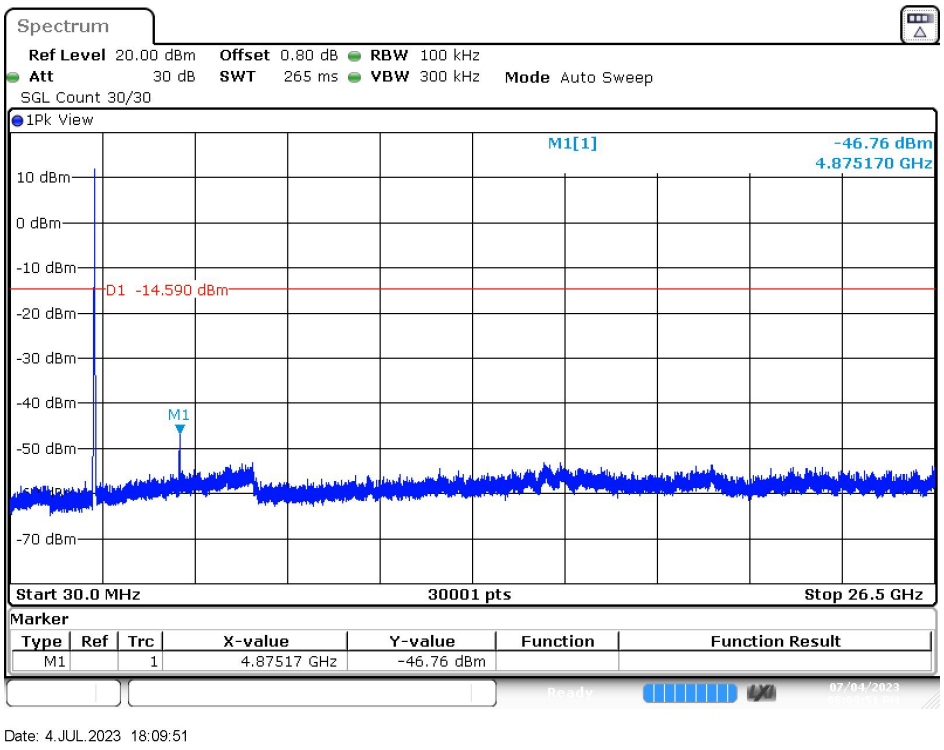
Channel 06 (2437 MHz)



Date: 4.JUL.2023 17:54:00

Product	:	Peplink Pepwave Wireless Product
Test Item	:	RF Antenna Conducted Spurious
Test Mode	:	Transmit (802.11ax-20 MHz)
Test Date	:	2023/07/04

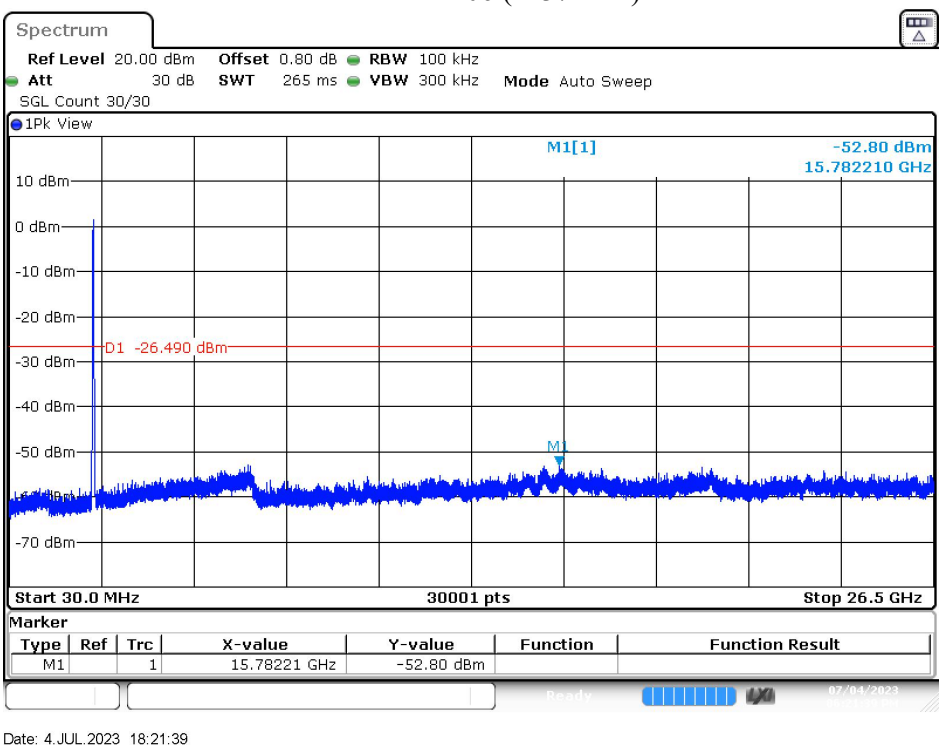
Channel 06 (2437MHz)



Date: 4.JUL.2023 18:09:51

Product	:	Peplink Pepwave Wireless Product
Test Item	:	RF Antenna Conducted Spurious
Test Mode	:	Transmit (802.11ax-40 MHz)
Test Date	:	2023/07/04

Channel 06 (2437MHz)

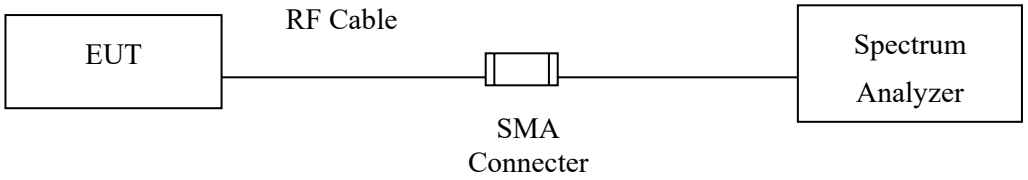


Date: 4.JUL.2023 18:21:39

6. Band Edge

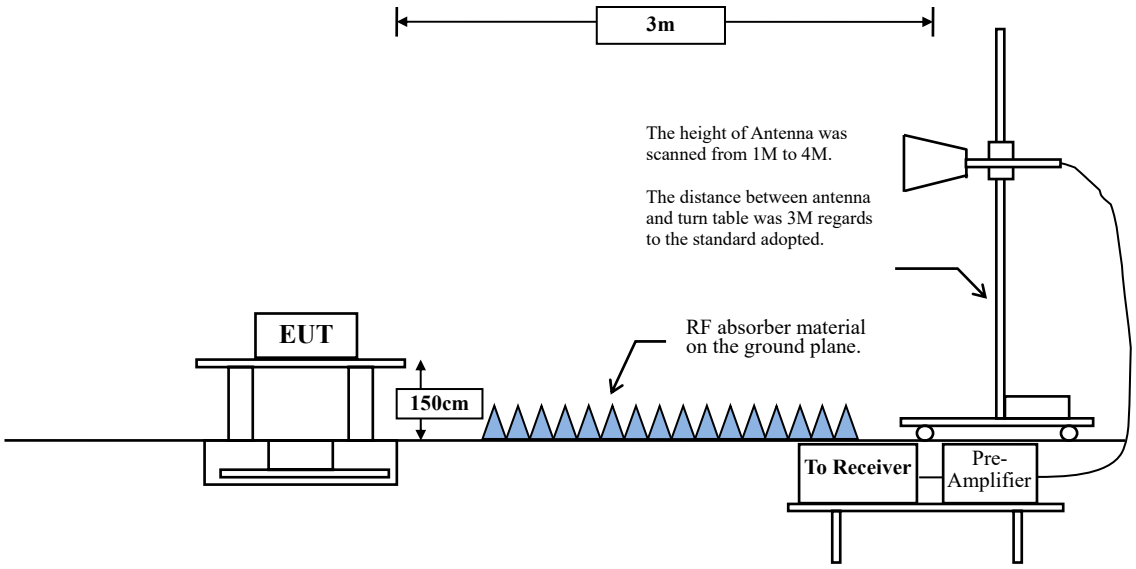
6.1. Test Setup

RF Conducted Measurement



RF Radiated Measurement:

Above 1GHz



6.2. Limits

According to FCC Section 15.247(d). In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to C63.10:2013 Section 11.12.1 for compliance to FCC 47CFR 15.247 requirements.
The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

RBW and VBW Parameter setting:

According to C63.10 Section 11.12.2.4 Peak measurement procedure.

RBW = as specified in Table 1.

VBW ≥ 3 x RBW.

Table 1 - RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

According to C63.10 Section 11.12.2.5 Average measurement procedure.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

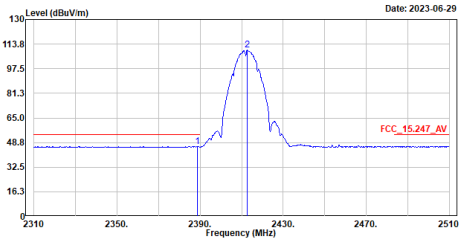
(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

2.4GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11b	71.86	1.5120	661	1000
802.11g	89.38	1.4300	699	1000
802.11ax-20 MHz	95.42	5.4200	185	200
802.11ax-40 MHz	93.75	5.4000	185	200

Note: Duty Cycle Refer to Section 9.

6.4. Test Result of Band Edge

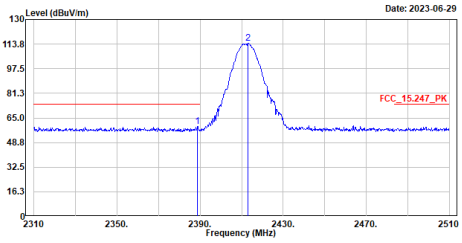
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	46.17	54.00	-7.83	15.82	30.35	Average
2	2412.600	109.83	------	------	79.53	30.30	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

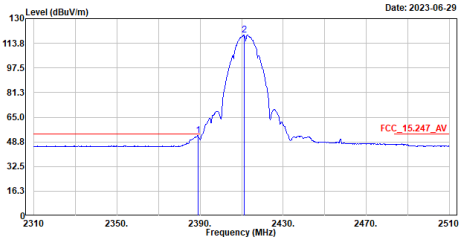
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	59.42	74.00	-14.58	29.07	30.35	Peak
2	2413.200	114.20	------	------	83.90	30.30	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

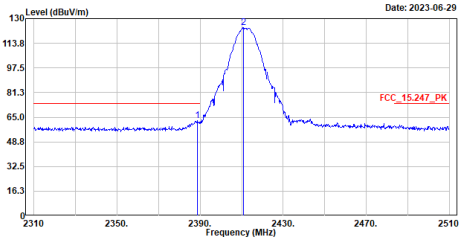
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_b_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.000	52.86	54.00	-1.14	22.51	30.35	Average
2	2411.200	119.43	------	------	89.12	30.31	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

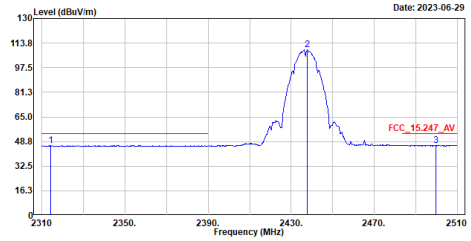
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_b_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	62.98	74.00	-11.02	32.63	30.35	Peak
2	2410.800	123.97	------	------	93.66	30.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

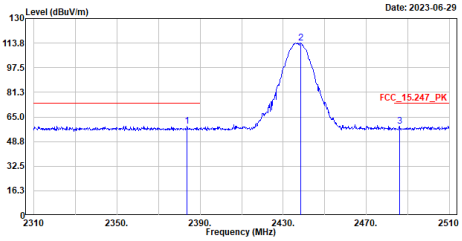
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2314.200	46.14	54.00	-7.86	15.69	30.45	Average
2	2437.800	109.29	------	------	79.02	30.27	Average
3	2499.800	46.35	54.00	-7.65	15.95	30.40	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

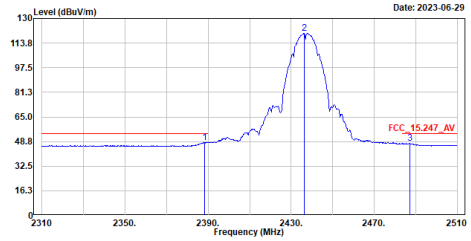
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2383.800	58.96	74.00	-15.04	28.59	30.37	Peak
2	2438.400	113.81	------	------	83.54	30.27	Peak
3	2486.200	58.92	74.00	-15.08	28.56	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

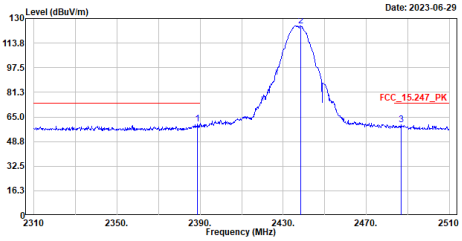
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_b_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.200	48.31	54.00	-5.69	17.95	30.36	Average
2	2436.200	120.41	------	------	90.13	30.28	Average
3	2487.000	47.43	54.00	-6.57	17.07	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

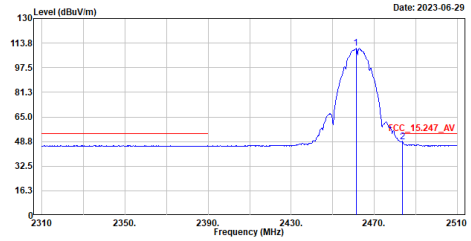
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_b_2437MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	60.25	74.00	-13.75	29.90	30.35	Peak
2	2438.400	125.08	------	------	94.81	30.27	Peak
3	2486.800	60.08	74.00	-13.92	29.72	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

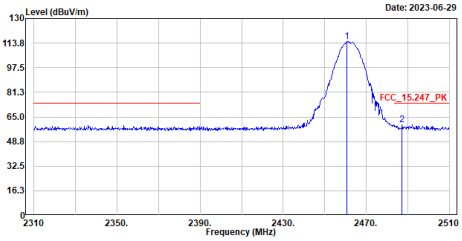
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.200	110.47	------	------	80.18	30.29	Average
2	2483.600	48.69	54.00	-5.31	18.33	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

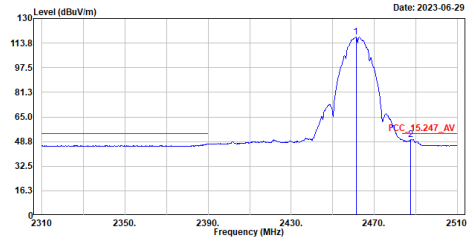
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_b_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2460.800	114.80	------	------	84.51	30.29	Peak
2	2487.200	59.97	74.00	-14.03	29.61	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

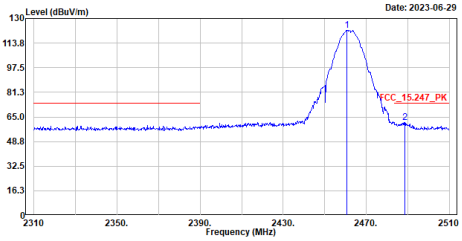
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_b_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.200	117.95	------	------	87.66	30.29	Average
2	2487.600	50.24	54.00	-3.76	19.87	30.37	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

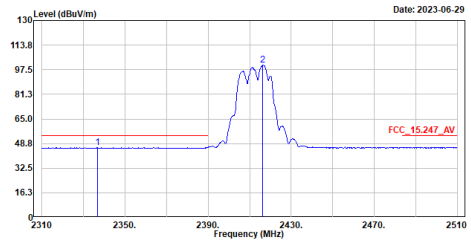
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_b_2462MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2460.800	122.29	------	------	92.00	30.29	Peak
2	2488.600	61.19	74.00	-12.81	30.82	30.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

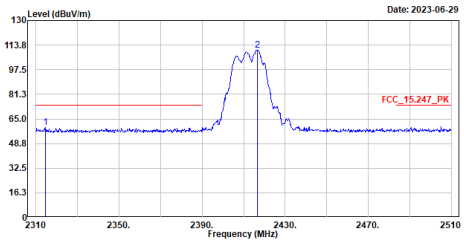
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_g_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2336.800	46.23	54.00	-7.77	15.76	30.47	Average
2	2416.400	100.71	------	------	70.40	30.31	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

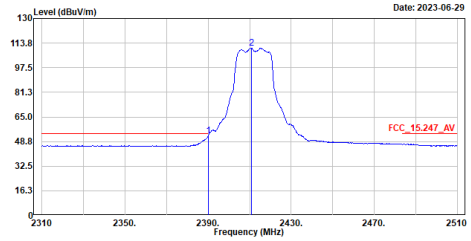
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_g_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2314.600	59.50	74.00	-14.50	29.05	30.45	Peak
2	2416.800	110.45	------	------	80.14	30.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

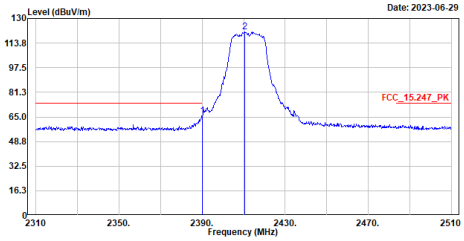
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_g_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	52.44	54.00	-1.56	22.09	30.35	Average
2	2410.800	110.51	------	------	80.20	30.31	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

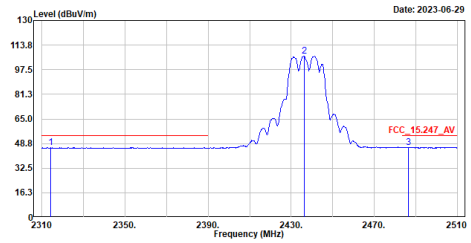
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_g_2412MHz
TEST BY :Sam



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	65.93	74.00	-8.07	35.58	30.35	Peak
2	2410.600	121.15	------	------	90.84	30.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

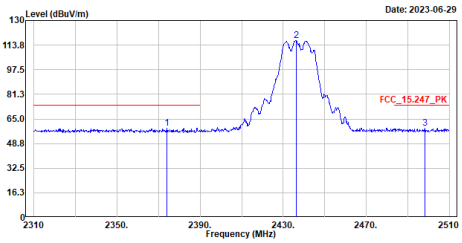
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_g_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2314.400	46.18	54.00	-7.82	15.73	30.45	Average
2	2436.200	106.59	------	------	76.31	30.28	Average
3	2486.400	46.22	54.00	-7.78	15.86	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

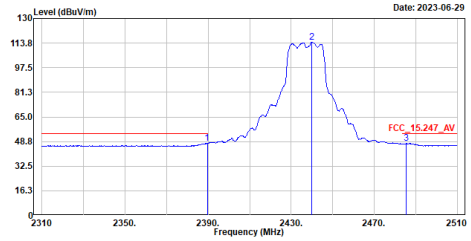
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_g_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2374.000	58.92	74.00	-15.08	28.52	30.40	Peak
2	2436.400	116.95	------	------	86.67	30.28	Peak
3	2498.400	58.70	74.00	-15.30	28.30	30.40	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

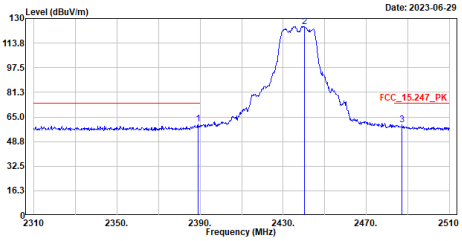
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_g_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.600	47.72	54.00	-6.28	17.37	30.35	Average
2	2440.000	114.53	------	------	84.25	30.28	Average
3	2485.400	47.56	54.00	-6.44	17.20	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

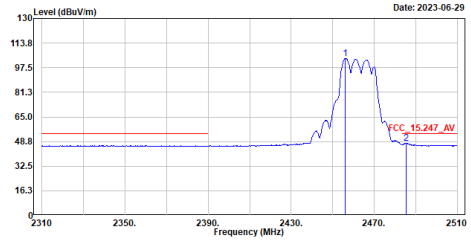
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_g_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.200	60.25	74.00	-13.75	29.90	30.35	Peak
2	2440.200	124.78	------	------	94.50	30.28	Peak
3	2487.200	59.98	74.00	-14.02	29.62	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

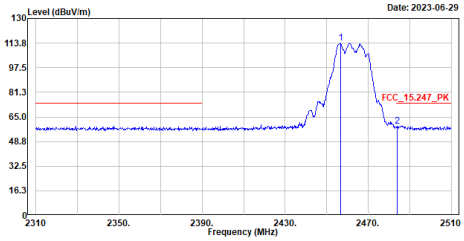
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_g_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2456.000	103.72	------	------	73.44	30.28	Average
2	2485.400	47.71	54.00	-6.29	17.35	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

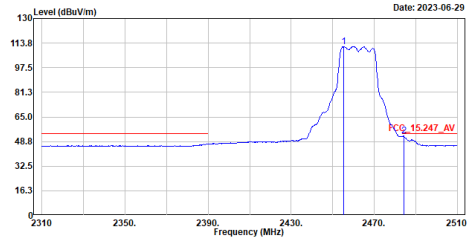
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_g_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2456.600	113.73	------	------	83.45	30.28	Peak
2	2483.800	59.09	74.00	-14.91	28.73	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

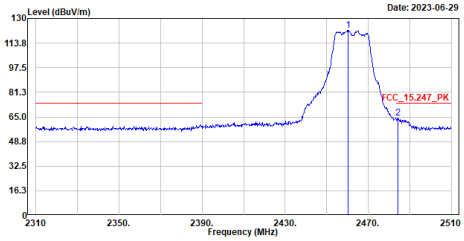
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_g_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2455.200	111.34	------	------	81.06	30.28	Average
2	2484.200	52.42	54.00	-1.58	22.06	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

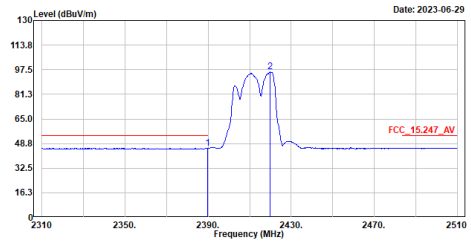
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_g_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2460.200	122.11	------	------	91.82	30.29	Peak
2	2484.400	64.37	74.00	-9.63	34.01	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

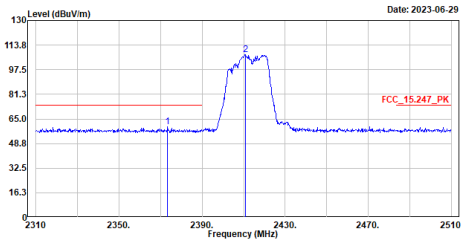
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2412MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.800	45.76	54.00	-8.24	15.41	30.35	Average
2	2420.000	95.92	------	------	65.62	30.30	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

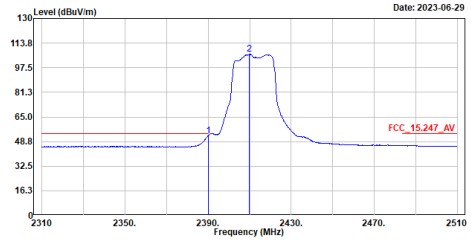
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ax20_2412MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2373.400	59.93	74.00	-14.07	29.52	30.41	Peak
2	2410.800	107.67	------	------	77.36	30.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

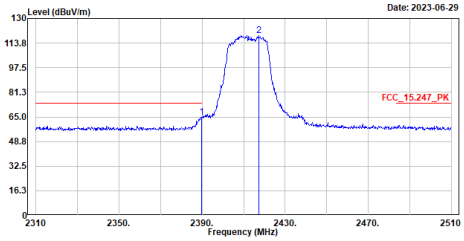
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax20_2412MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	52.62	54.00	-1.38	22.27	30.35	Average
2	2409.800	106.29	------	------	75.98	30.31	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

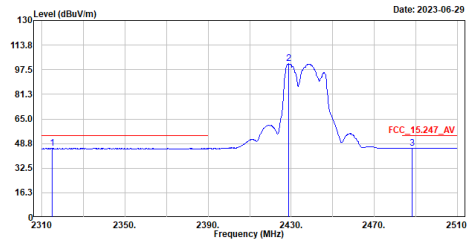
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax20_2412MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.800	64.78	74.00	-9.22	34.43	30.35	Peak
2	2417.200	118.89	------	------	88.58	30.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

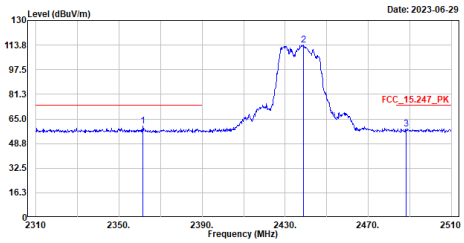
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax20_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2315.000	45.58	54.00	-8.42	15.13	30.45	Average
2	2428.800	101.31	------	------	71.02	30.29	Average
3	2488.200	45.73	54.00	-8.27	15.36	30.37	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

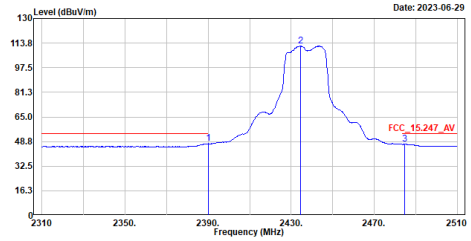
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax20_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2361.600	60.11	74.00	-13.89	29.67	30.44	Peak
2	2438.800	113.66	------	------	83.39	30.27	Peak
3	2488.200	58.51	74.00	-15.49	28.14	30.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

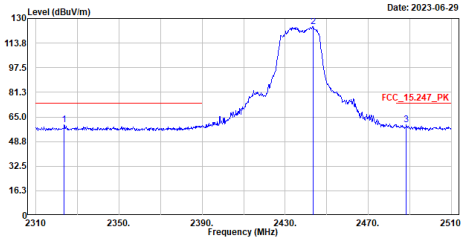
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax20_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	47.34	54.00	-6.66	16.99	30.35	Average
2	2434.400	111.78	------	------	81.50	30.28	Average
3	2484.600	46.98	54.00	-7.02	16.62	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

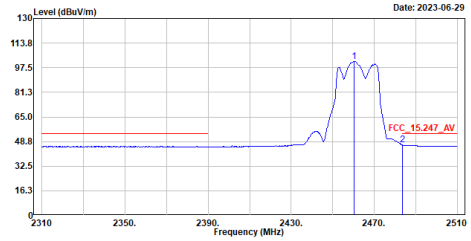
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax20_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2323.600	59.65	74.00	-14.35	29.19	30.46	Peak
2	2443.400	124.75	------	------	94.48	30.27	Peak
3	2488.400	59.65	74.00	-14.35	29.28	30.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

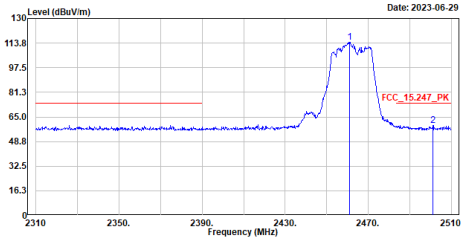
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax20_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2460.200	101.57	------	------	71.28	30.29	Average
2	2483.600	46.49	54.00	-7.51	16.13	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

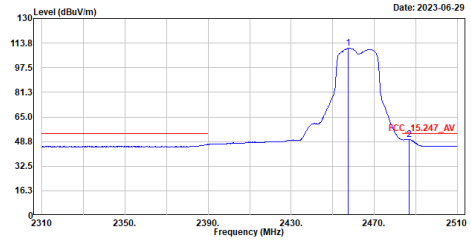
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax20_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.000	114.40	------	------	84.11	30.29	Peak
2	2501.200	59.25	74.00	-14.75	28.85	30.40	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

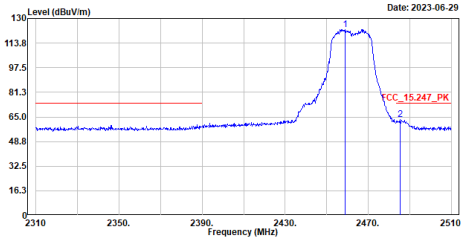
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax20_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2457.600	110.29	------	------	80.00	30.29	Average
2	2486.800	50.18	54.00	-3.82	19.82	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

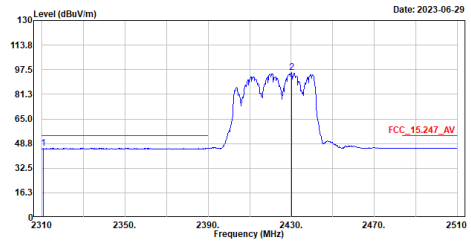
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax20_2462MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2459.000	122.74	------	------	92.45	30.29	Peak
2	2485.200	63.35	74.00	-10.65	32.99	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

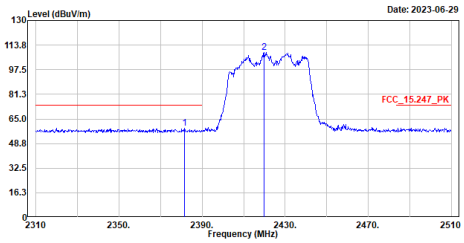
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax40_2422MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2310.600	45.50	54.00	-8.50	15.05	30.45	Average
2	2430.200	95.48	------	------	65.19	30.29	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

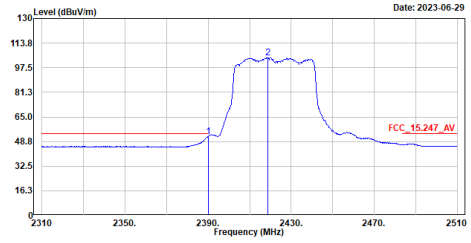
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax40_2422MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2381.400	59.11	74.00	-14.89	28.73	30.38	Peak
2	2419.800	108.79	------	------	78.49	30.30	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

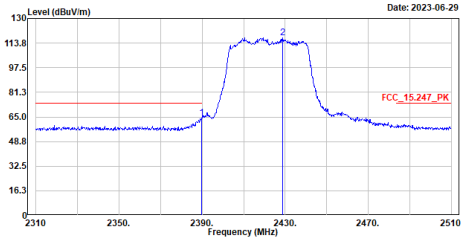
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax40_2422MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	52.14	54.00	-1.86	21.79	30.35	Average
2	2418.800	103.96	------	------	73.66	30.30	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

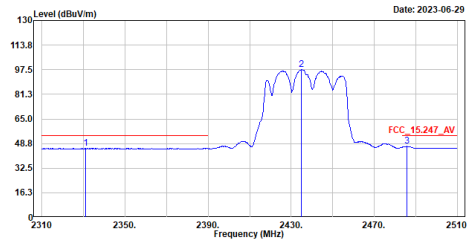
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax40_2422MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.800	64.32	74.00	-9.68	33.97	30.35	Peak
2	2428.800	117.35	------	------	87.06	30.29	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

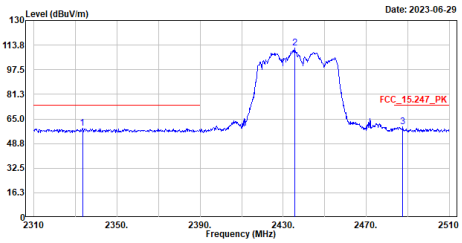
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax40_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2331.000	45.54	54.00	-8.46	15.07	30.47	Average
2	2435.000	97.67	------	------	67.39	30.28	Average
3	2485.800	46.87	54.00	-7.13	16.51	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

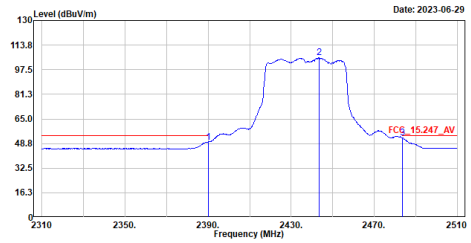
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax40_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2333.400	58.97	74.00	-15.03	28.50	30.47	Peak
2	2435.600	111.82	------	------	81.54	30.28	Peak
3	2487.600	60.03	74.00	-13.97	29.66	30.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

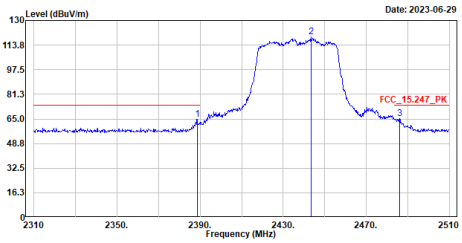
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax40_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	49.78	54.00	-4.22	19.43	30.35	Average
2	2443.400	105.43	------	------	75.16	30.27	Average
3	2483.600	52.49	54.00	-1.51	22.13	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

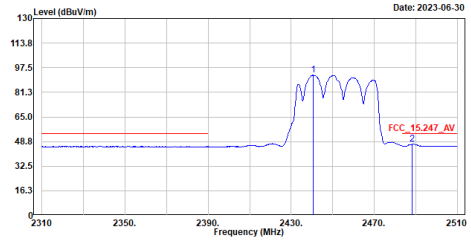
Site :HY-CB01
Condition :3m ,Vertical
Mode :TX_ax40_2437MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.600	64.98	74.00	-9.02	34.62	30.36	Peak
2	2443.400	119.01	------	------	88.74	30.27	Peak
3	2486.200	65.07	74.00	-8.93	34.71	30.36	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

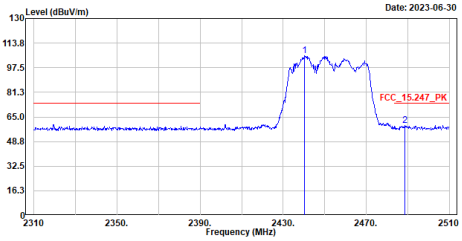
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax40_2452MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2440.600	92.52	------	------	62.24	30.28	Average
2	2488.400	47.08	54.00	-6.92	16.71	30.37	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

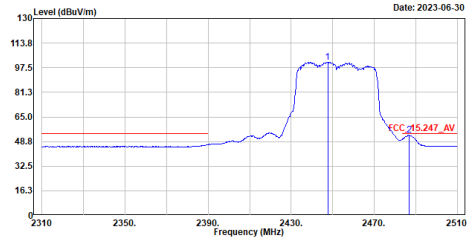
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ax40_2452MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2440.400	105.43	------	------	75.15	30.28	Peak
2	2488.600	59.35	74.00	-14.65	28.98	30.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

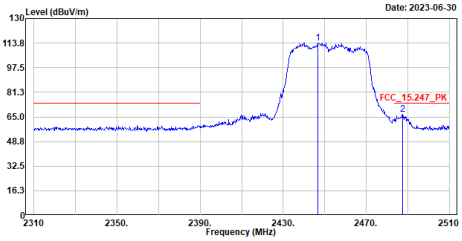
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax40_2452MHz
TEST BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2447.600	101.24	------	------	70.98	30.26	Average
2	2486.800	52.87	54.00	-1.13	22.51	30.36	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ax40_2452MHz
TEST BY :Caster

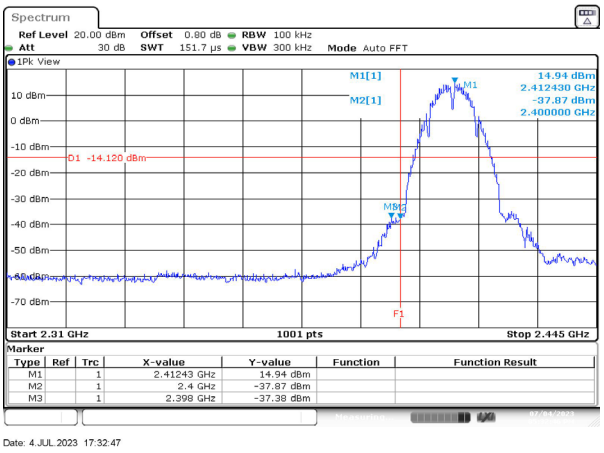


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2446.600	114.02	------	------	83.75	30.27	Peak
2	2487.400	66.63	74.00	-7.37	36.27	30.36	Peak

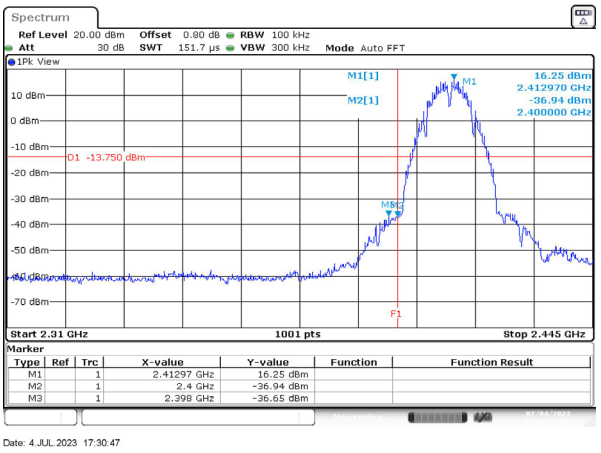
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Peplink Pepwave Wireless Product
Test Item	:	Band Edge
Test Mode	:	Transmit (802.11b)
Test Date	:	2023/07/04

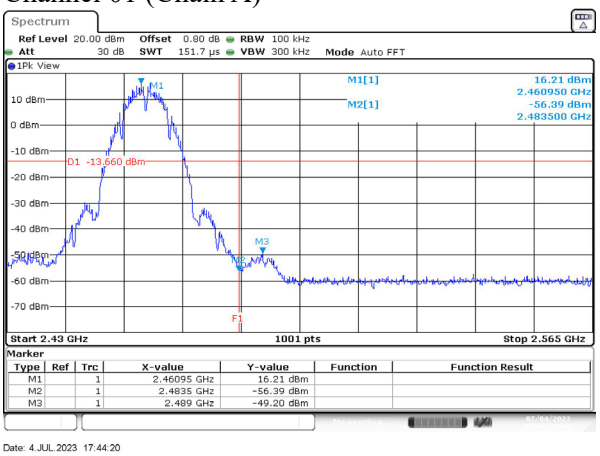
Measurement Level Δ (dB)	Result
> 20	PASS



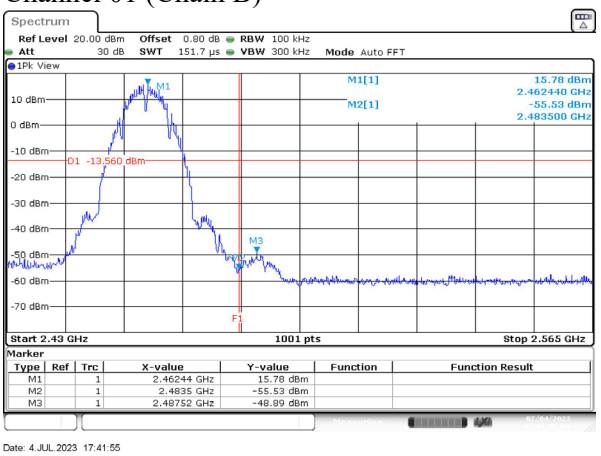
Channel 01 (Chain A)



Channel 01 (Chain B)



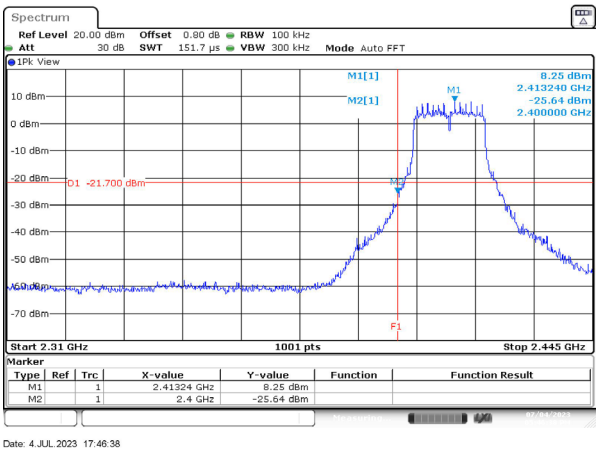
Channel 11 (Chain A)



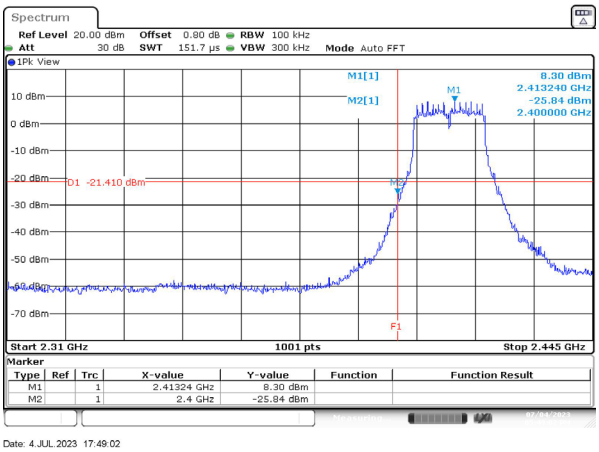
Channel 11 (Chain B)

Product	:	Peplink Pepwave Wireless Product
Test Item	:	Band Edge
Test Mode	:	Transmit (802.11g)
Test Date	:	2023/07/04

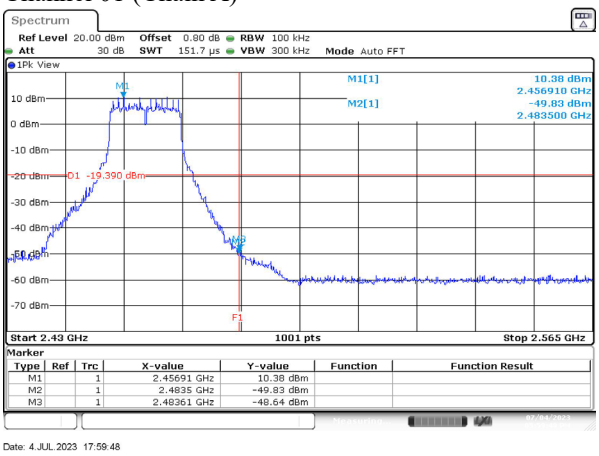
Measurement Level Δ (dB)	Result
> 20	PASS



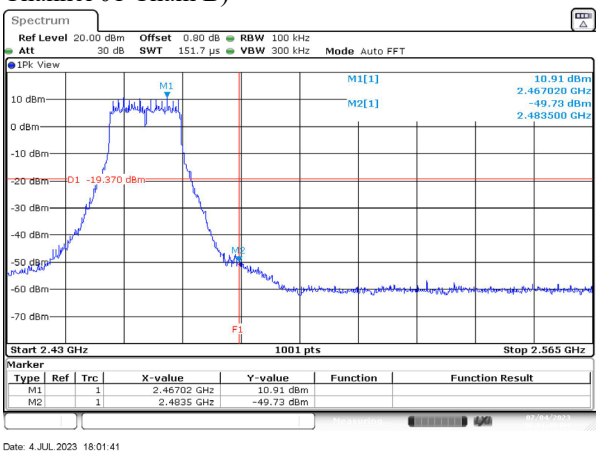
Channel 01 (Chain A)



Channel 01 Chain B)



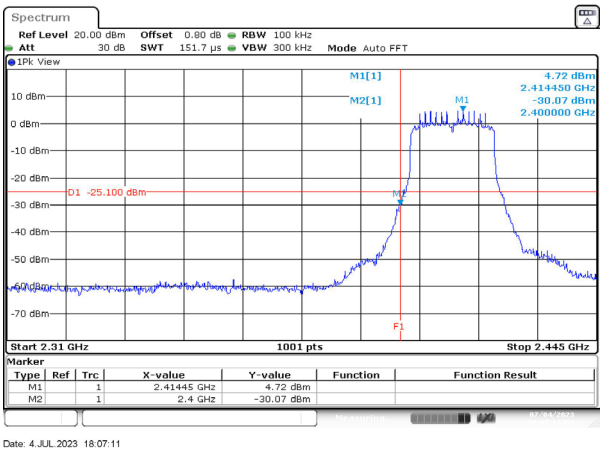
Channel 11 (Chain A)



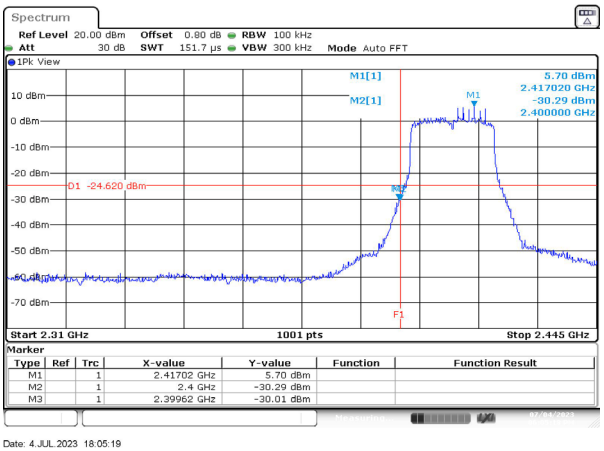
Channel 11 (Chain B)

Product	:	Peplink Pepwave Wireless Product
Test Item	:	Band Edge
Test Mode	:	Transmit (802.11ax-20 MHz)
Test Date	:	2023/07/04

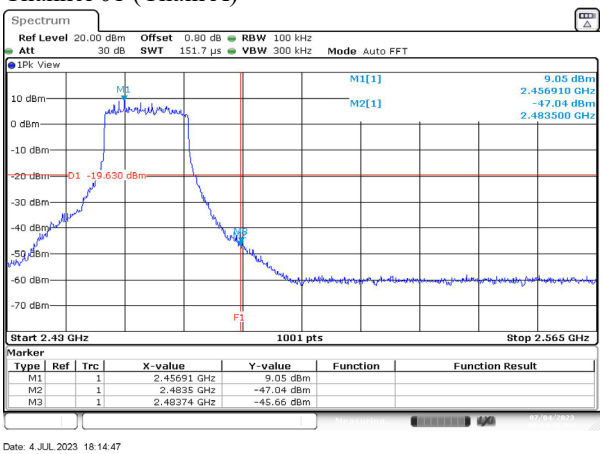
Measurement Level Δ (dB)	Result
> 20	PASS



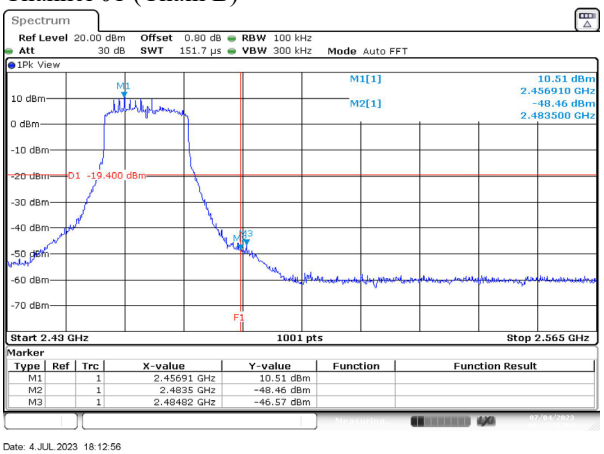
Channel 01 (Chain A)



Channel 01 (Chain B)



Channel 11 (Chain A)



Channel 11 (Chain B)