

Test Report No:
2540673R-RFUSV01S-A

TEST REPORT

FCC Rules&Regulations

Product Name	Wireless Doorbell Chime
Brand Name	ALARM.COM
Model No.	ADC-W114C
FCC ID	YL6-143W114C
Applicant's Name / Address	Alarm.com Incorporated 8281 Greensboro Drive, Suite 100, Tysons, VIRGINIA, 22102, USA.
Manufacturer's Name / Address	Chicony Electronics Co., Ltd 36F., No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City 241, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10-2013
Verdict Summary	IN COMPLIANCE
Documented By	 Amelia Wu
Approved By	 Allen Lin
Date of Receipt	Apr. 22, 2025
Date of Issue	Aug. 29, 2025
Report Version	V1.0

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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.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

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

Version	Description	Issued Date
V1.0	Initial issue of report	Aug. 29, 2025

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Occupied Bandwidth & DTS Bandwidth	PASS	-
5	Maximum Conducted Output Power	PASS	-
6	Maximum Power Spectral Density	PASS	-
7	Antenna Port Conducted Emission	PASS	-
8	Transmitter Radiated Spurious Emission	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

Frequency Range	2400 ~ 2483.5 MHz	
Operating Frequency	IEEE 802.11b/g IEEE 802.11n/ax (20 MHz)	2412 ~ 2462 MHz
Channel Number	IEEE 802.11b/g IEEE 802.11n/ax (20 MHz)	11 Channels
Type of Modulation	IEEE 802.11b	DSSS-DBPSK, DQPSK, CCK
	IEEE 802.11g/n	OFDM-BPSK, QPSK, 16QAM, 64QAM
	IEEE 802.11ax	OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM

Antenna Information				
Ant.	Brand Name	Model No.	Type	Antenna Gain (dBi)
1	INPAQ	RFMTA150700NNAB001	Metal	1.90

1.2. EUT Information

EUT Power Type	From AC Power			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming
Resource Unit of 802.11ax	☒	Full RU	☐	Partial RU

1.3. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction Emission	HC-SR02	Cyril Chen	25 / 65	2025/04/28
RF Conducted Emission	HC-SR12	Kevin Teng	25.2 / 49.3	2025/04/22
Radiated Emission	HC-CB04	Cyril Chen Jason Yang	20~24 / 51~58	2025/04/15~2025/04/25

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Test Item	Uncertainty
AC Power Line Conducted Emission	± 2.34 dB
Occupied Bandwidth & DTS Bandwidth	± 282.55 Hz
Maximum Conducted Output Power	± 1.16 dB
Maximum Power Spectral Density	± 2.47 dB
Antenna Port Conducted Emission	± 2.47 dB
Transmitter Radiated Spurious Emission	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz

1.6. List of Test Equipment

HC-SR02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	9kHz-30MHz, 4line/100A	2024/12/02	2025/12/01
EMI Test Receiver	R&S	ESR3	102608	9 kHz - 3.6 GHz	2024/09/11	2025/09/10
Two-Line V-Network	R&S	ENV216	100096	9kHz-30MHz	2024/06/03	2025/06/02
Coaxial Cable(9 m)	Harbour	RG-400	HC-SR02	9 kHz–2500 MHz	2024/08/15	2025/08/14
EMI Testing System	Audix	e3 210616 dekra V9	HC-SR02	N/A	N/A	N/A

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	0.3-40 GHz	2024/10/29	2025/10/28
Pulse Power Sensor	Anritsu	MA2411B	1531043	0.3-40 GHz	2024/10/29	2025/10/28

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2024/05/17	2025/05/16
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	30 MHz-2 GHz	2024/06/11	2025/06/10
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211212A18EN	1G-18GHz	2024/11/26	2025/11/25
Coaxial Cable	Huber+Suhner	SF104	HC-CB04	30 MHz-18 GHz, 11m	2024/08/07	2025/08/06
Coaxial Cable	Huber+Suhner, Rosnol	SF102_UP0264	HC-CB04-1	18-40 GHz, 3m	2024/08/13	2025/08/12
Pre-Amplifier	EMCI	EMC01820I	980364	30M-8 GHz,20 dB	2024/06/04	2025/06/03
Pre-Amplifier	EMEC	EM01G18GA	060835	1-18 GHz,50 dB	2024/07/16	2025/07/15
Radiated Software	AUDIX	e3 V9	HC-CB04_1	N/A	N/A	N/A

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	AC 120V/60Hz

2.2. Test Frequency Mode

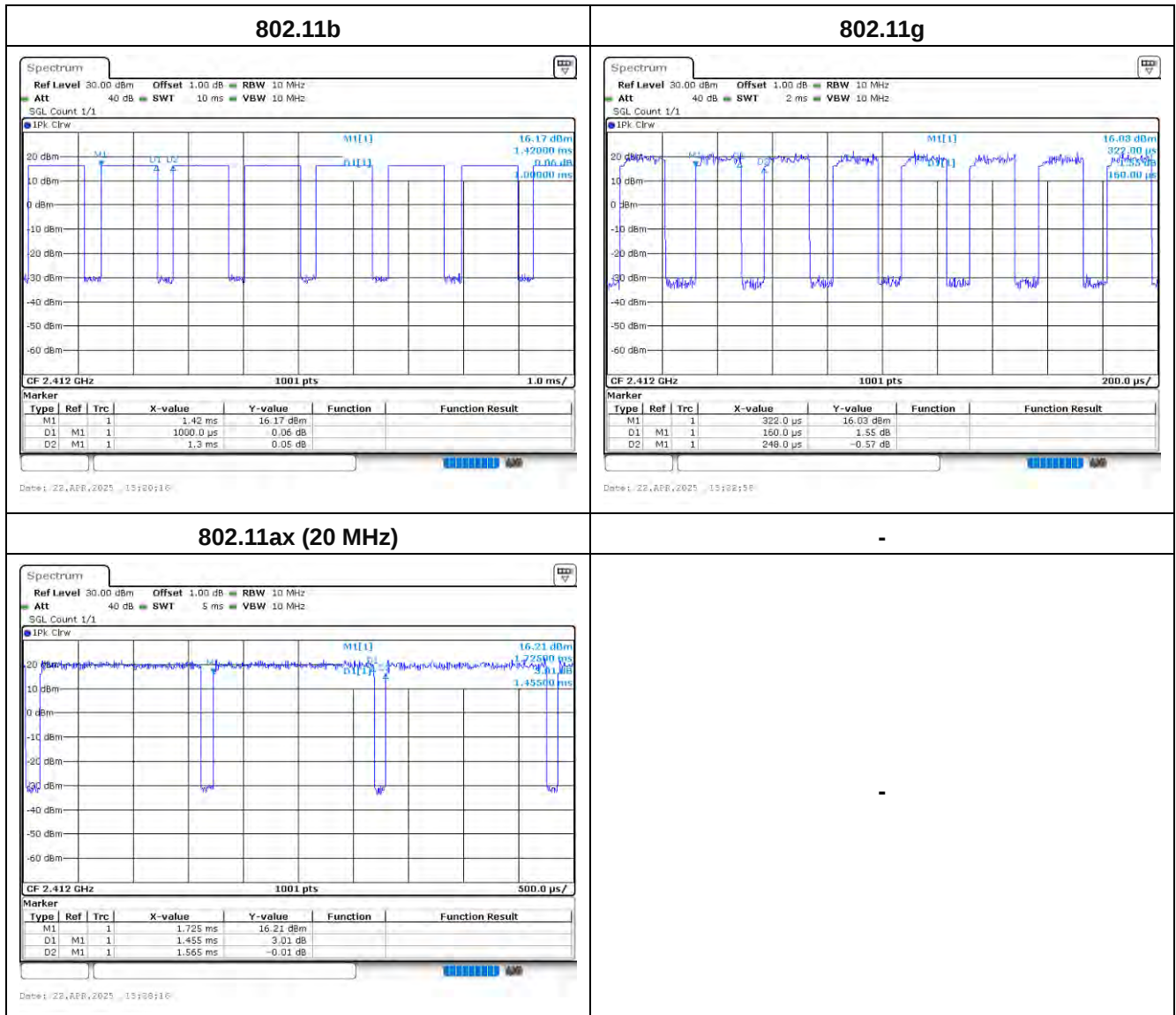
Test Software Version	TeraTerm v5.4
-----------------------	---------------

Modulation	Frequency (MHz)	Power Setting
802.11b	2412	15.5
	2437	17.0
	2462	16.5
802.11g	2412	16.0
	2437	20.0
	2462	14.0
802.11ax (20 MHz)	2412	16.0
	2437	20.0
	2462	14.0

2.3. Duty Cycle

Modulation	On Times (ms)	On+Off Times (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11b	1.000	1.300	76.92	1.139	1.000
802.11g	0.160	0.248	64.52	1.903	6.250
802.11ax (20 MHz)	1.455	1.565	92.97	0.317	0.687

Note: The duty factor will compensate for the total power and power spectral density.



2.4. The Worst Case Measurement Configuration

Tests Item	AC Power Line Conducted Emission
Test Condition	AC power line conducted measurement for line and neutral
Operating Mode	Transmit

Tests Item	Occupied Bandwidth & DTS Bandwidth Maximum Conducted Output Power Maximum Power Spectral Density Antenna Port Conducted Emission
Test Condition	Conducted measurement at transmit chains

Tests Item	Transmitter Radiated Spurious Emission
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode	Transmit
The EUT was performed at X axis, Y axis and Z axis position for radiated spurious emission test. The worst case was found at X axis, so the measurement will follow this same test configuration.	

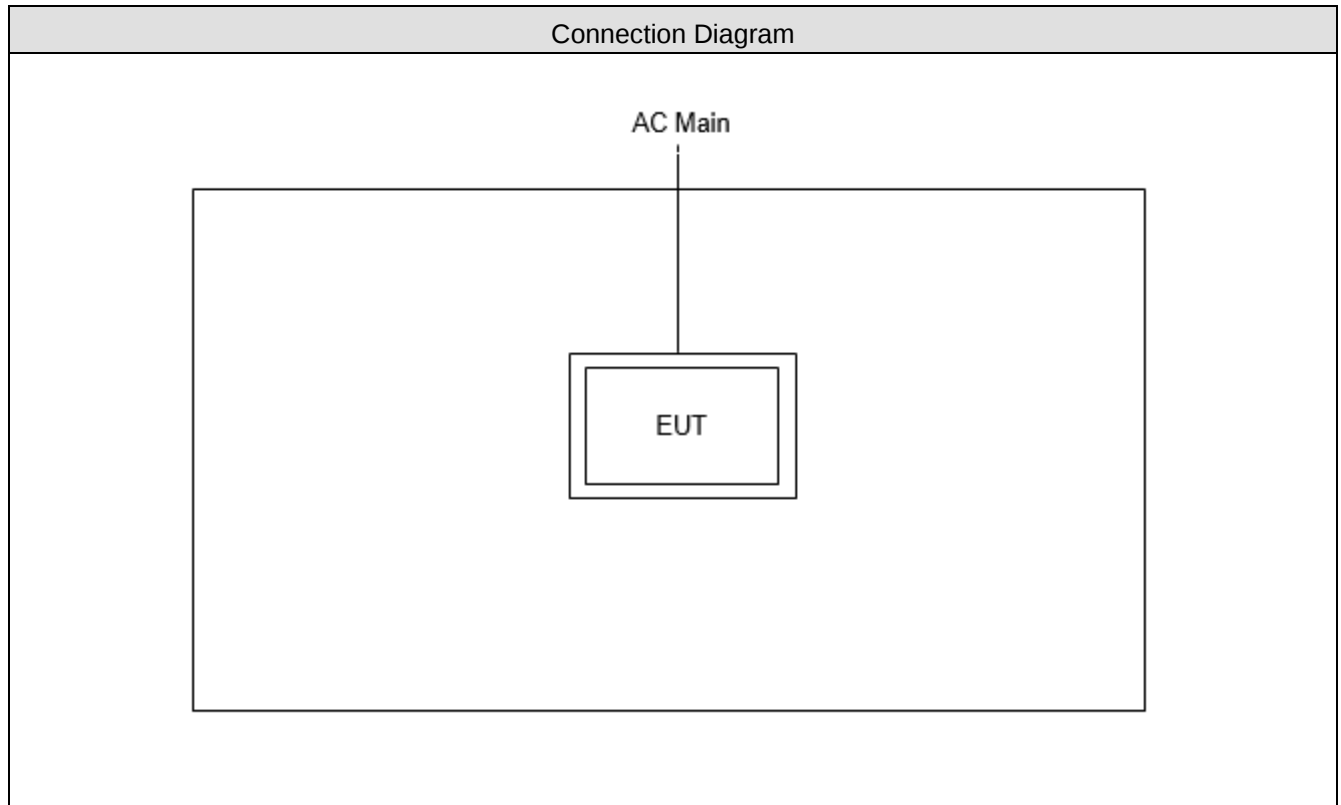
Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. For radiated spurious emission below 1 GHz and AC power line conducted emission have performed all modes of operation were investigated and the worst-case emissions are reported.

2.5. Tested System Details

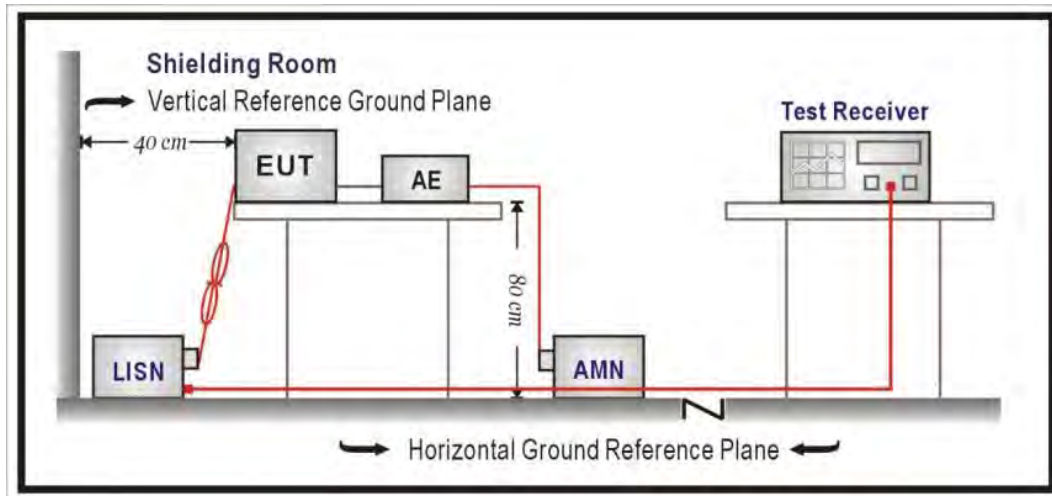
N/A

2.6. Configuration of Tested System



3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

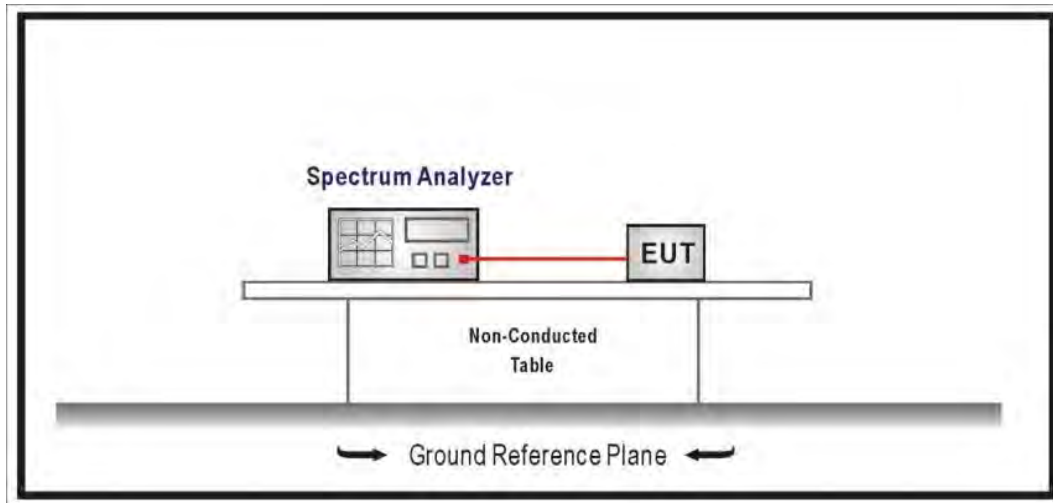
Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. Occupied Bandwidth & DTS Bandwidth

4.1. Test Setup



4.2. Test Limit

The 6 dB bandwidth: ≥ 0.50 MHz.

Occupied Bandwidth: N/A

4.3. Test Procedures

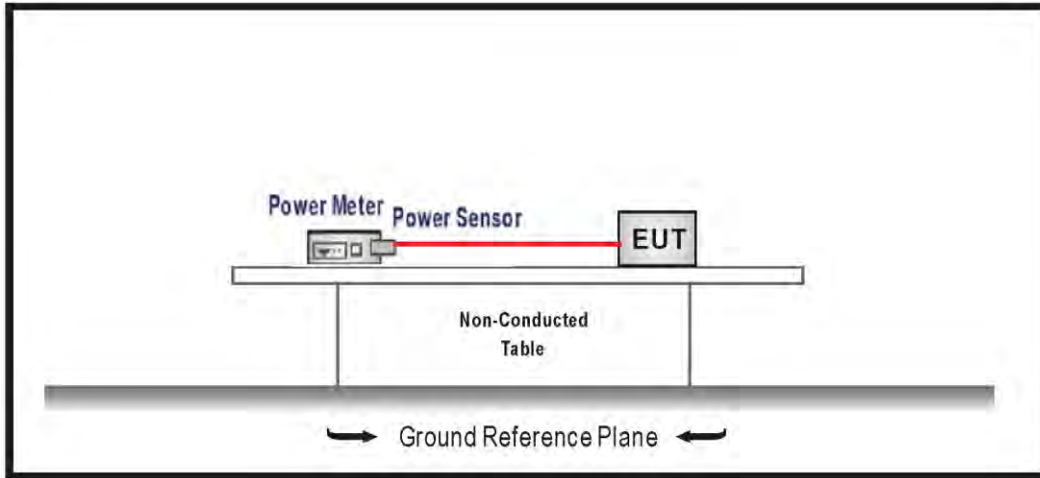
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

4.4. Test Result of Occupied Bandwidth & DTS Bandwidth

Refer as Appendix B

5. Maximum Conducted Output Power

5.1. Test Setup



5.2. Test Limit

The maximum conducted output power shall be less 30 dBm (1 Watt).

5.3. Test Procedures

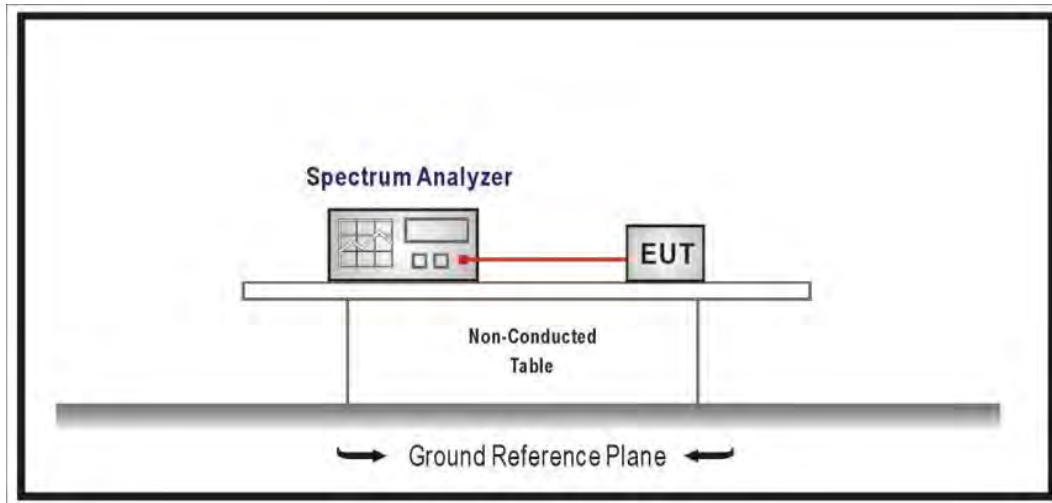
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

5.4. Test Result of Maximum Conducted Output Power

Refer as Appendix C

6. Maximum Power Spectral Density

6.1. Test Setup



6.2. Test Limit

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test Procedures

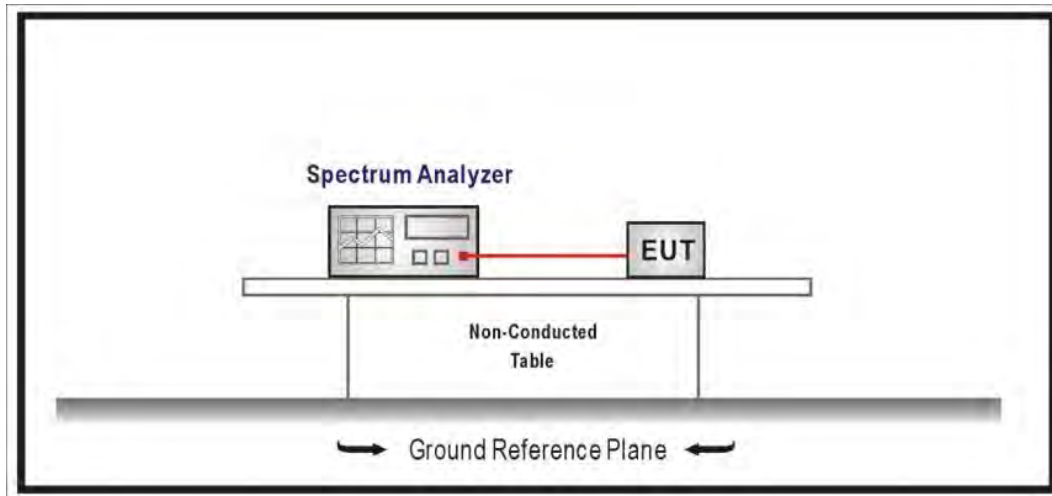
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

6.4. Test Result of Maximum Power Spectral Density

Refer as Appendix D

7. Antenna Port Conducted Emission

7.1. Test Setup



7.2. Test Limit

RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Remarks:

1. 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 a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limit.
2. If the transmitter complies with the conducted power limit 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.

7.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074.

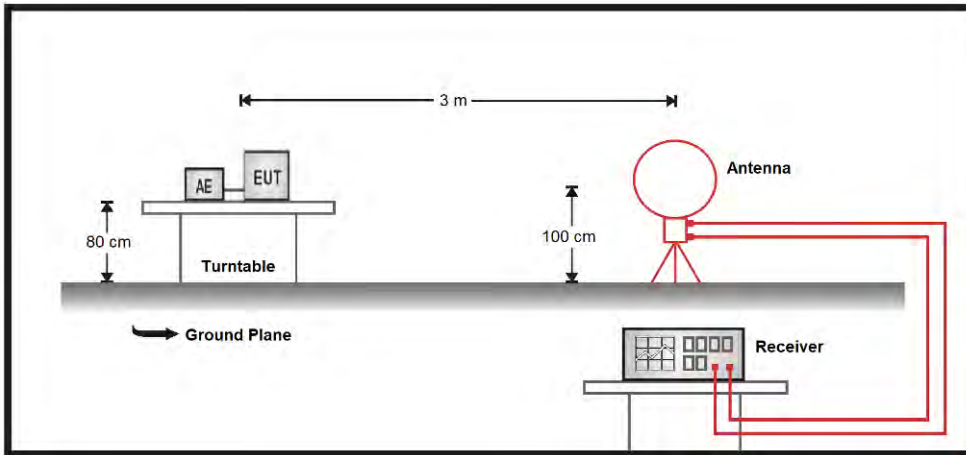
7.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix E

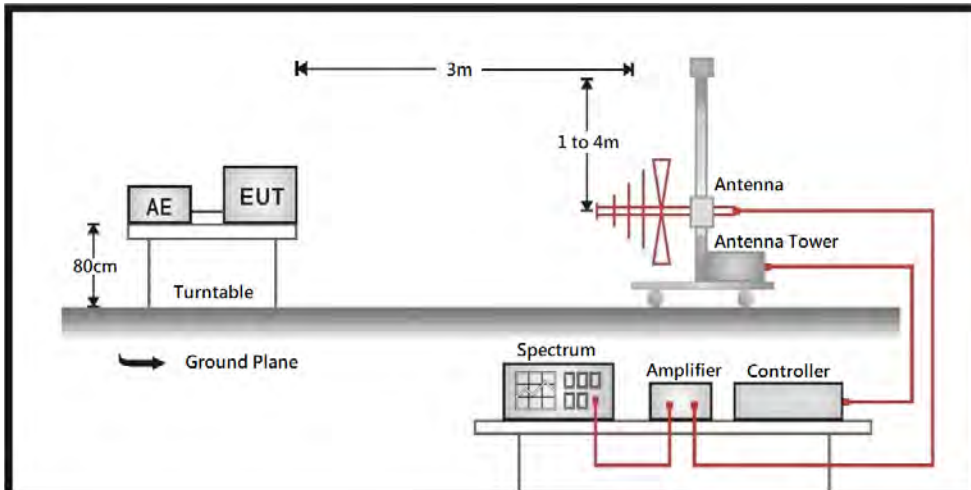
8. Transmitter Radiated Spurious Emission

8.1. Test Setup

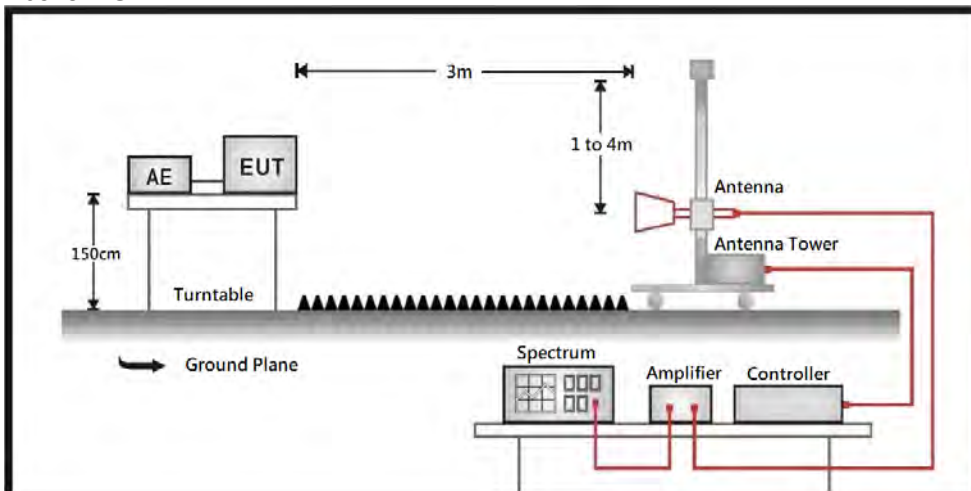
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



8.2. Test Limit

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20 log (24000/F(kHz))	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength (dBuV/m) = 20 log Field strength (uV/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.

8.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

On any frequency or frequencies from 9 kHz(include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

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

8.4. Test Result of Transmitter Radiated Spurious Emission (Below 30 MHz)

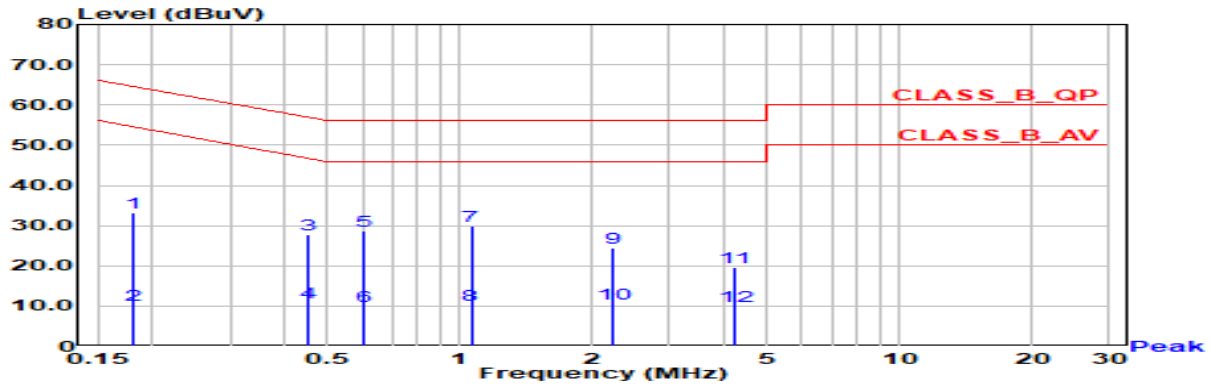
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

8.5. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix F

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode	Transmit	Phase	Line
Test Condition	WiFi 2.4 GHz		

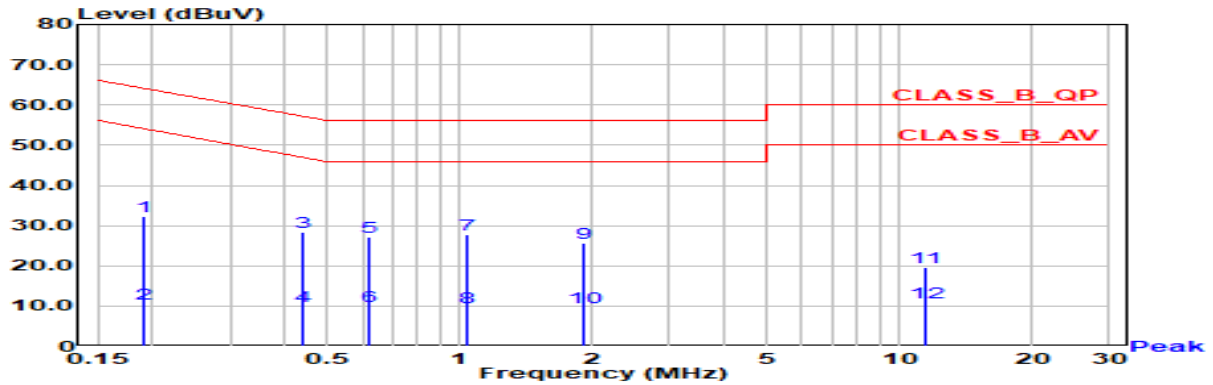


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.181	33.26	64.45	-31.19	23.63	9.62	QP
2	0.181	10.27	54.45	-44.18	0.65	9.62	AV
3	0.453	27.78	56.82	-29.04	18.13	9.65	QP
4	0.453	10.83	46.82	-35.99	1.19	9.65	AV
5	0.601	28.72	56.00	-27.28	19.06	9.66	QP
6	0.601	9.91	46.00	-36.09	0.25	9.66	AV
*7	1.060	30.04	56.00	-25.96	20.33	9.70	QP
8	1.060	10.23	46.00	-35.77	0.53	9.70	AV
9	2.237	24.49	56.00	-31.51	14.72	9.77	QP
10	2.237	10.46	46.00	-35.54	0.69	9.77	AV
11	4.199	19.72	56.00	-36.28	9.85	9.86	QP
12	4.199	10.04	46.00	-35.96	0.17	9.86	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Transmit	Phase	Neutral
Test Condition	WiFi 2.4 GHz		



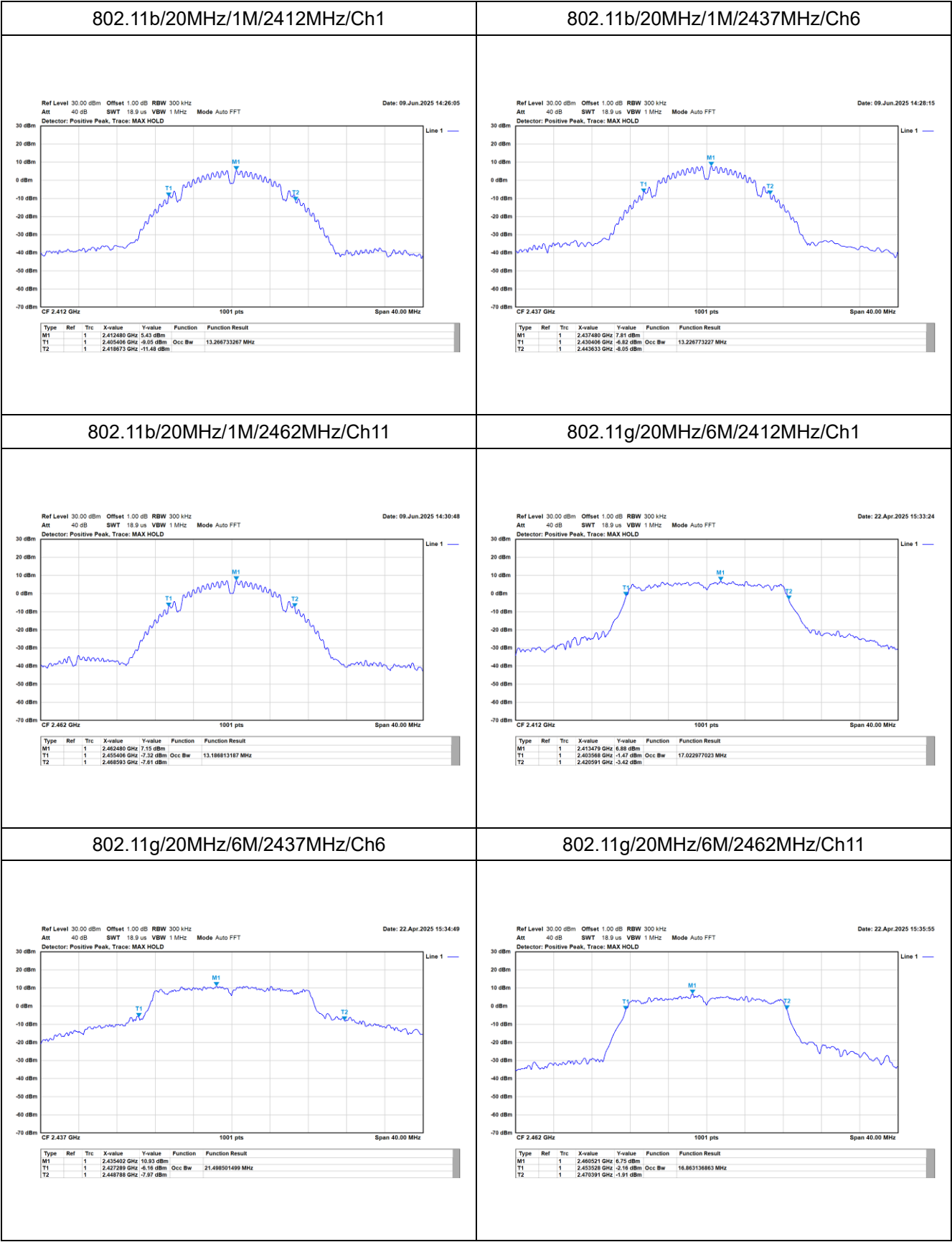
No	Frequency (MHz)	Emission Level (dBUV)	Limit (dBUV)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	0.190	32.29	64.04	-31.75	22.67	9.62	QP
2	0.190	10.61	54.04	-43.42	0.99	9.62	AV
3	0.439	28.50	57.08	-28.58	18.85	9.65	QP
4	0.439	10.01	47.08	-37.07	0.36	9.65	AV
5	0.623	27.24	56.00	-28.76	17.58	9.67	QP
6	0.623	10.11	46.00	-35.89	0.44	9.67	AV
*7	1.044	27.68	56.00	-28.32	17.97	9.71	QP
8	1.044	9.75	46.00	-36.25	0.04	9.71	AV
9	1.921	25.57	56.00	-30.43	15.81	9.77	QP
10	1.921	9.79	46.00	-36.21	0.02	9.77	AV
11	11.461	19.48	60.00	-40.52	9.31	10.17	QP
12	11.461	10.76	50.00	-39.24	0.59	10.17	AV

Note:

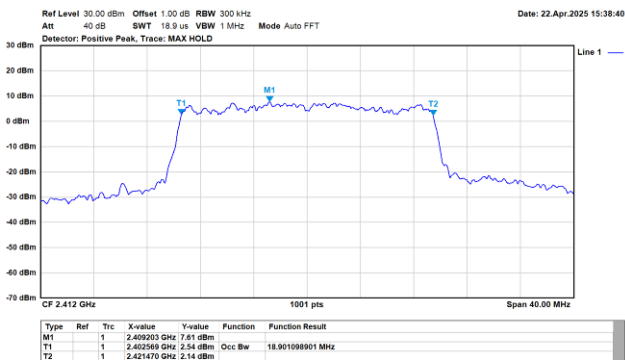
1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Appendix B.1 Test Result of 99% Occupied Bandwidth

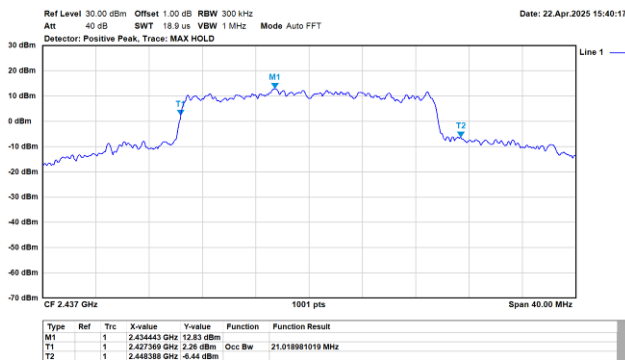
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)
802.11b (20MHz)	2412	13.27	-
	2437	13.23	-
	2462	13.19	-
802.11g (20MHz)	2412	17.02	-
	2437	21.50	-
	2462	16.86	-
802.11ax (20MHz)	2412	18.90	-
	2437	21.02	-
	2462	18.86	-



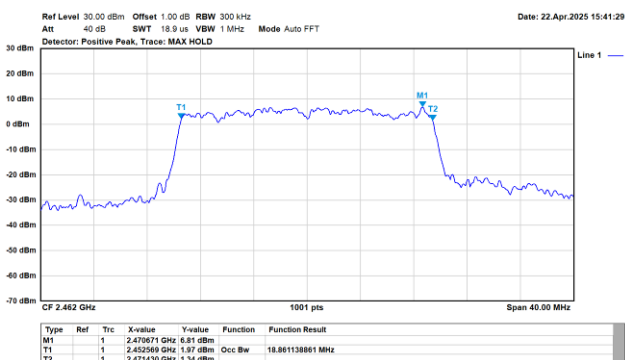
802.11ax/20MHz/MCS0/2412MHz/Ch1



802.11ax/20MHz/MCS0/2437MHz/Ch6



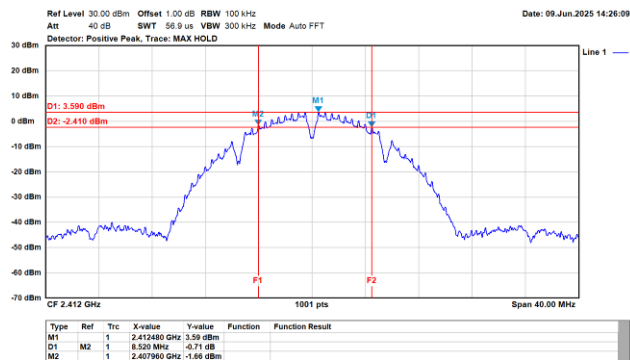
802.11ax/20MHz/MCS0/2462MHz/Ch1



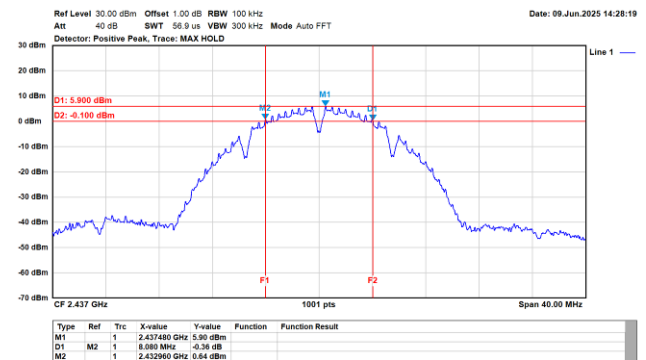
Appendix B.2 Test Result of DTS Bandwidth

Modulation	Frequency (MHz)	DTS Bandwidth (MHz)	Limit (MHz)	Result
802.11b (20MHz)	2412	8.52	0.50	Pass
	2437	8.08	0.50	Pass
	2462	8.08	0.50	Pass
802.11g (20MHz)	2412	16.32	0.50	Pass
	2437	16.32	0.50	Pass
	2462	16.32	0.50	Pass
802.11ax (20MHz)	2412	18.60	0.50	Pass
	2437	18.52	0.50	Pass
	2462	18.68	0.50	Pass

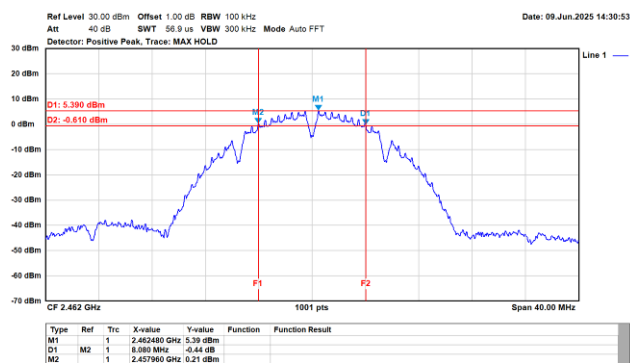
802.11b/20MHz/1M/2412MHz/Ch1



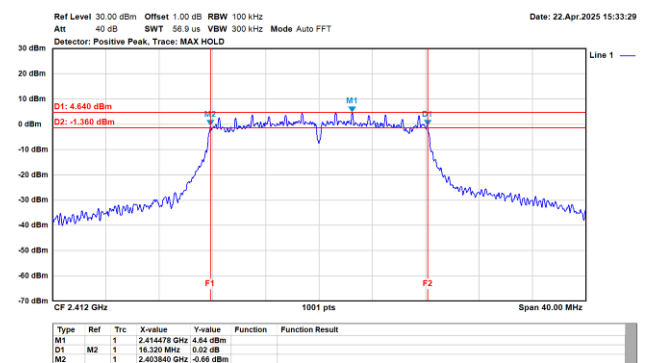
802.11b/20MHz/1M/2437MHz/Ch6



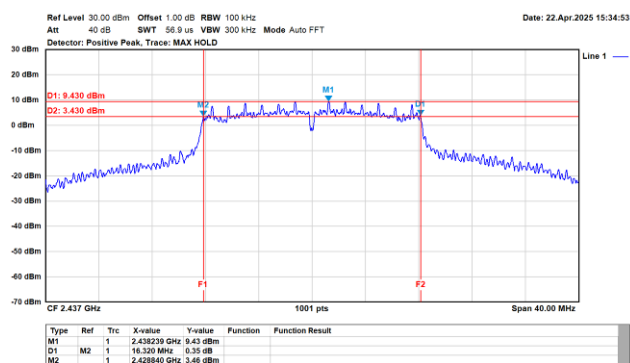
802.11b/20MHz/1M/2462MHz/Ch11



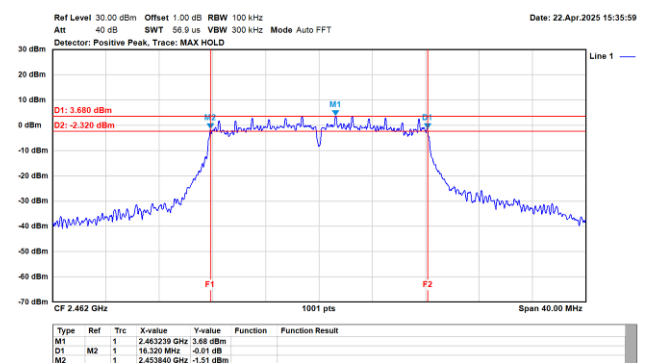
802.11g/20MHz/6M/2412MHz/Ch1



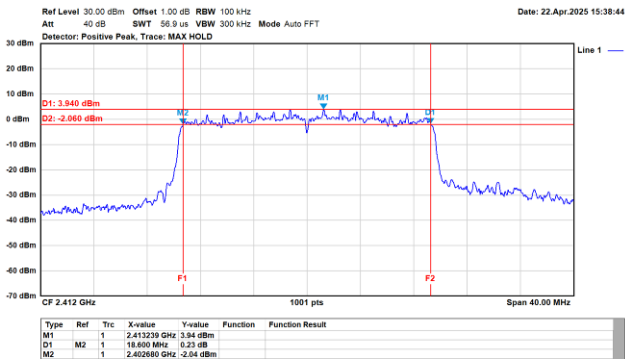
802.11g/20MHz/6M/2437MHz/Ch6



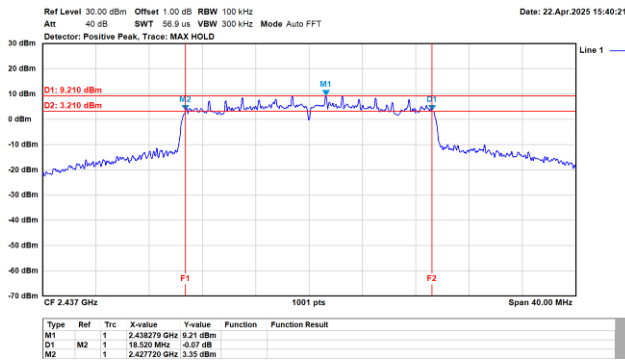
802.11g/20MHz/6M/2462MHz/Ch11



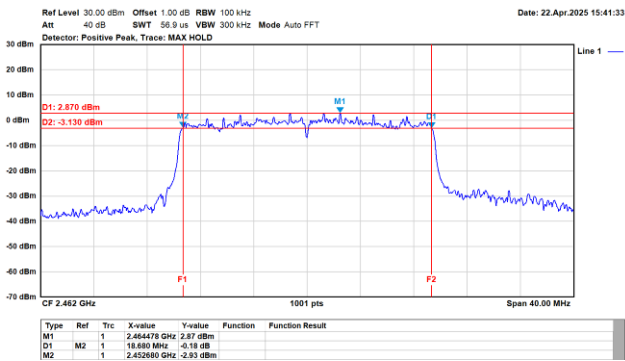
802.11ax/20MHz/MCS0/2412MHz/Ch1



802.11ax/20MHz/MCS0/2437MHz/Ch6



802.11ax/20MHz/MCS0/2462MHz/Ch11



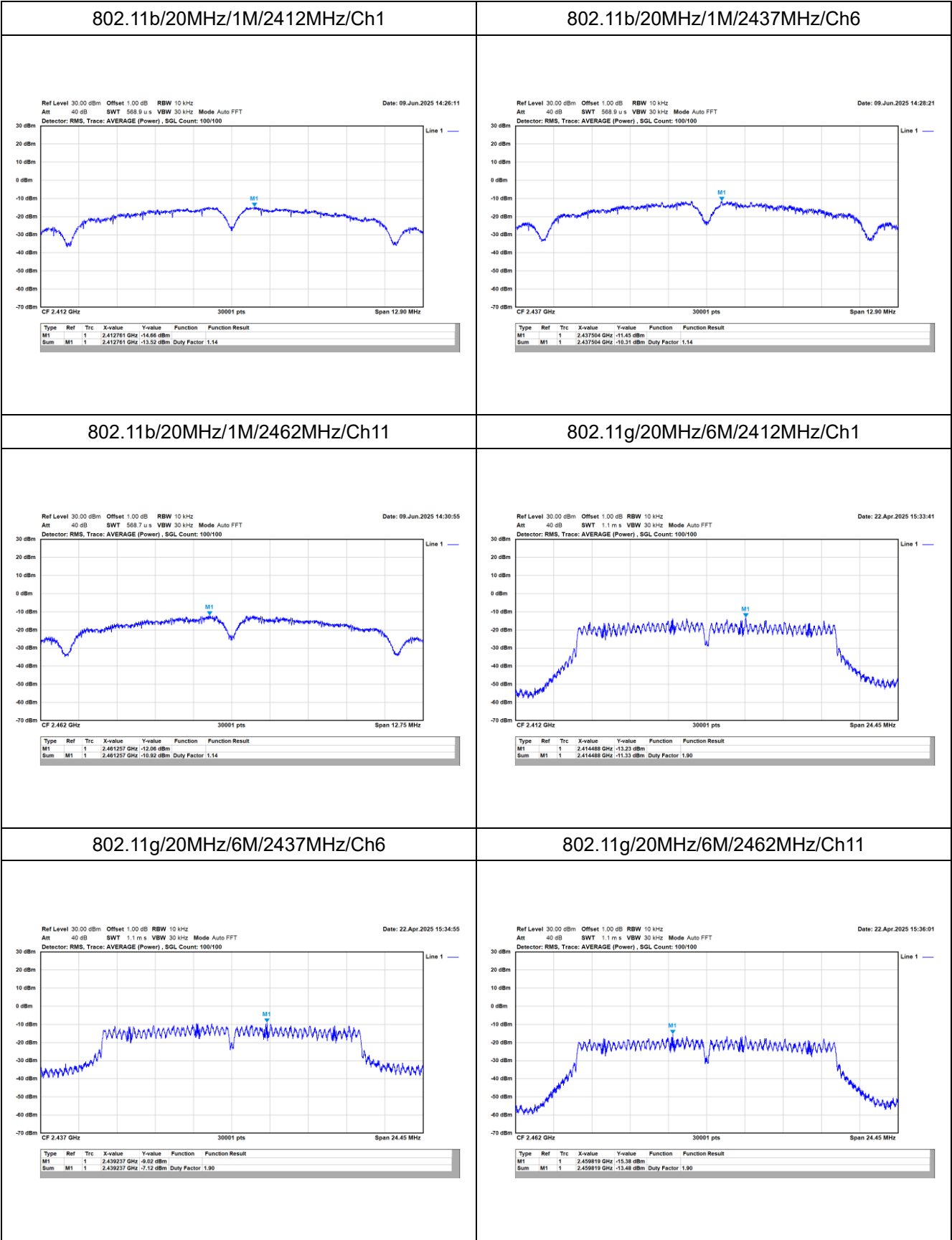
Appendix C. Test Result of Maximum Conducted Output Power

Modulation	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)		Antenna Gain (dBi)	E.I.R.P Power (dBm)	E.I.R.P Limit (dBm)
		Ant. 1	Limit			
802.11b	2412	13.93	30.00	1.90	15.83	36.00
	2437	16.19	30.00	1.90	18.09	36.00
	2462	15.67	30.00	1.90	17.57	36.00
802.11g	2412	15.34	30.00	1.90	17.24	36.00
	2437	19.91	30.00	1.90	21.81	36.00
	2462	14.17	30.00	1.90	16.07	36.00
802.11ax (20 MHz)	2412	15.35	30.00	1.90	17.25	36.00
	2437	20.05	30.00	1.90	21.95	36.00
	2462	14.23	30.00	1.90	16.13	36.00

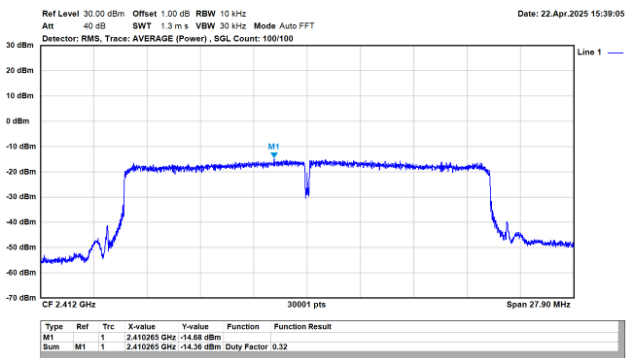
Note: E.I.R.P. = Maximum Conducted Output Power + Antenna Gain.

Appendix D. Test Result of Maximum Power Spectral Density

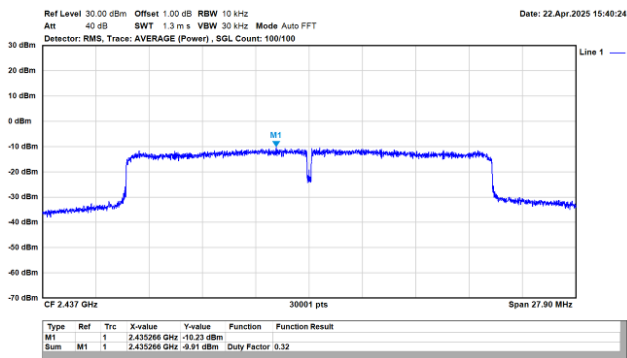
Modulation	Frequency (MHz)	Maximum Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b (20MHz)	2412	-13.52	8.00	Pass
	2437	-10.31	8.00	Pass
	2462	-10.92	8.00	Pass
802.11g (20MHz)	2412	-11.33	8.00	Pass
	2437	-7.12	8.00	Pass
	2462	-13.48	8.00	Pass
802.11ax (20MHz)	2412	-14.36	8.00	Pass
	2437	-9.91	8.00	Pass
	2462	-16.01	8.00	Pass



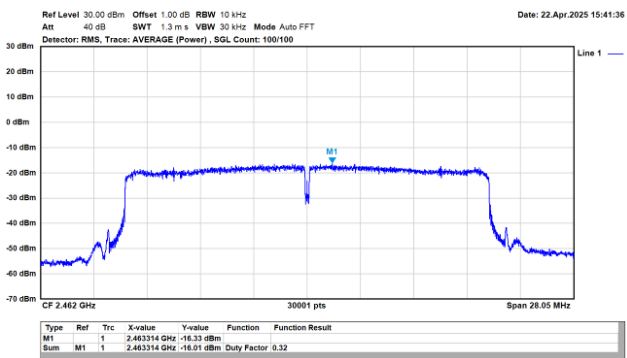
802.11ax/20MHz/MCS0/2412MHz/Ch1



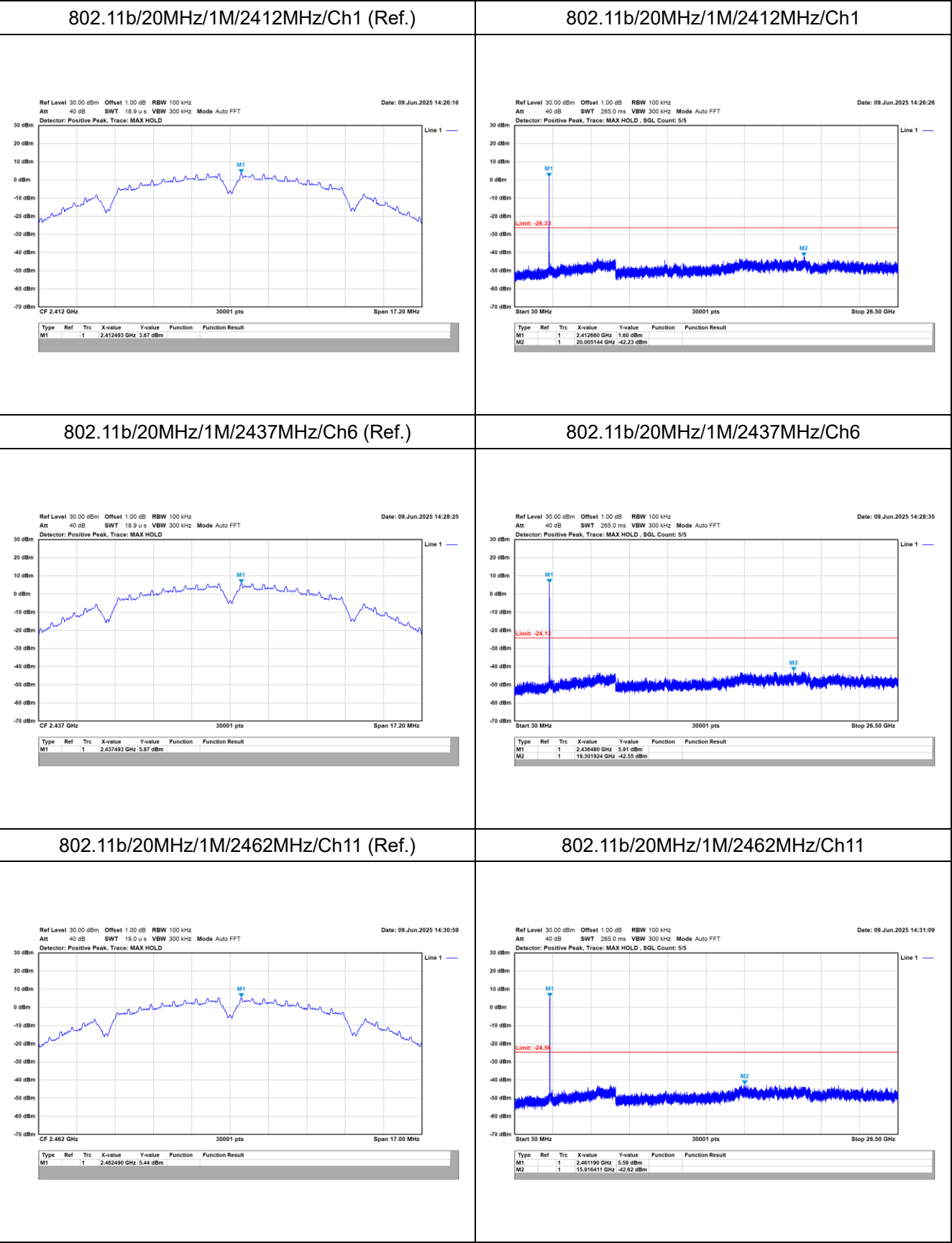
802.11ax/20MHz/MCS0/2437MHz/Ch6

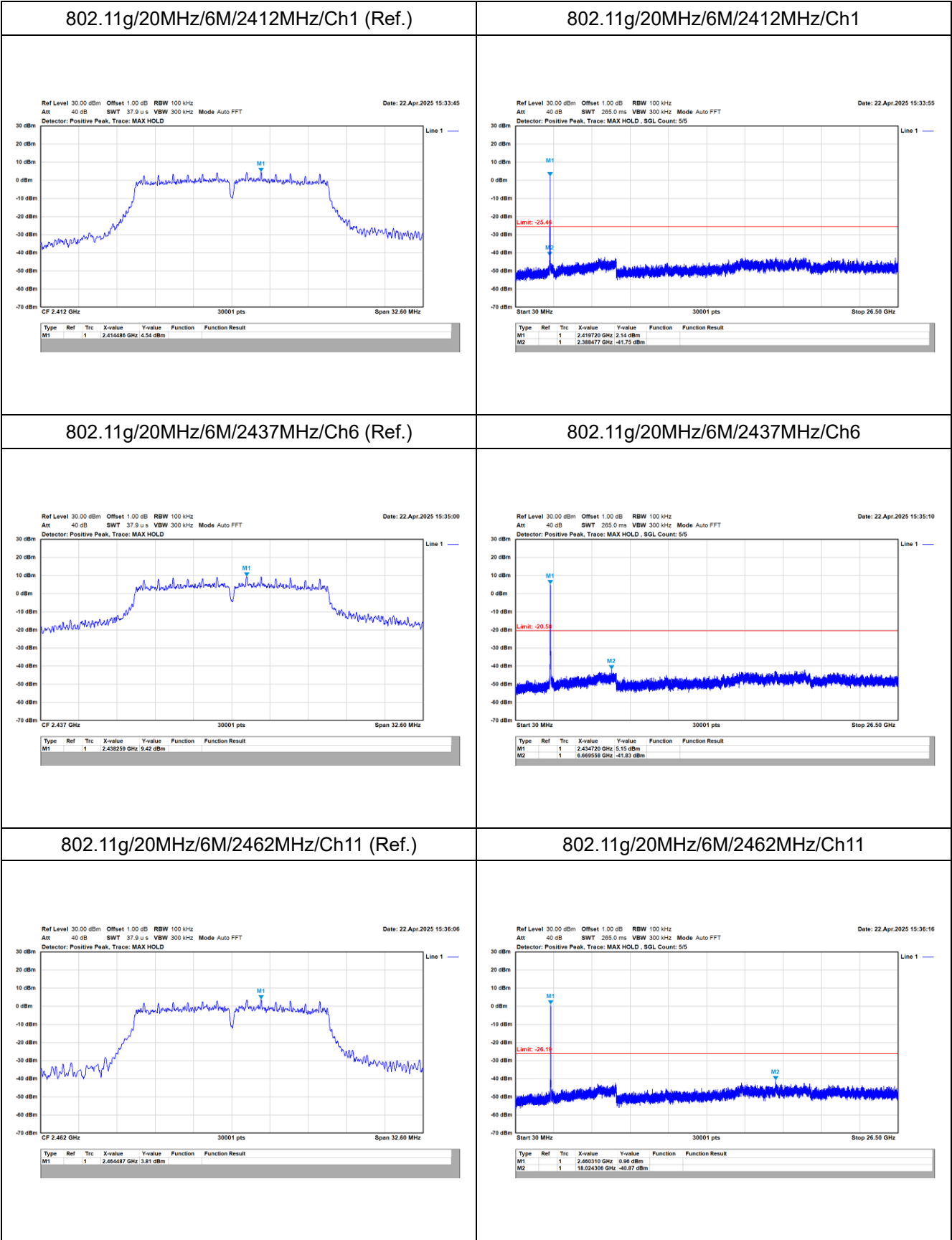


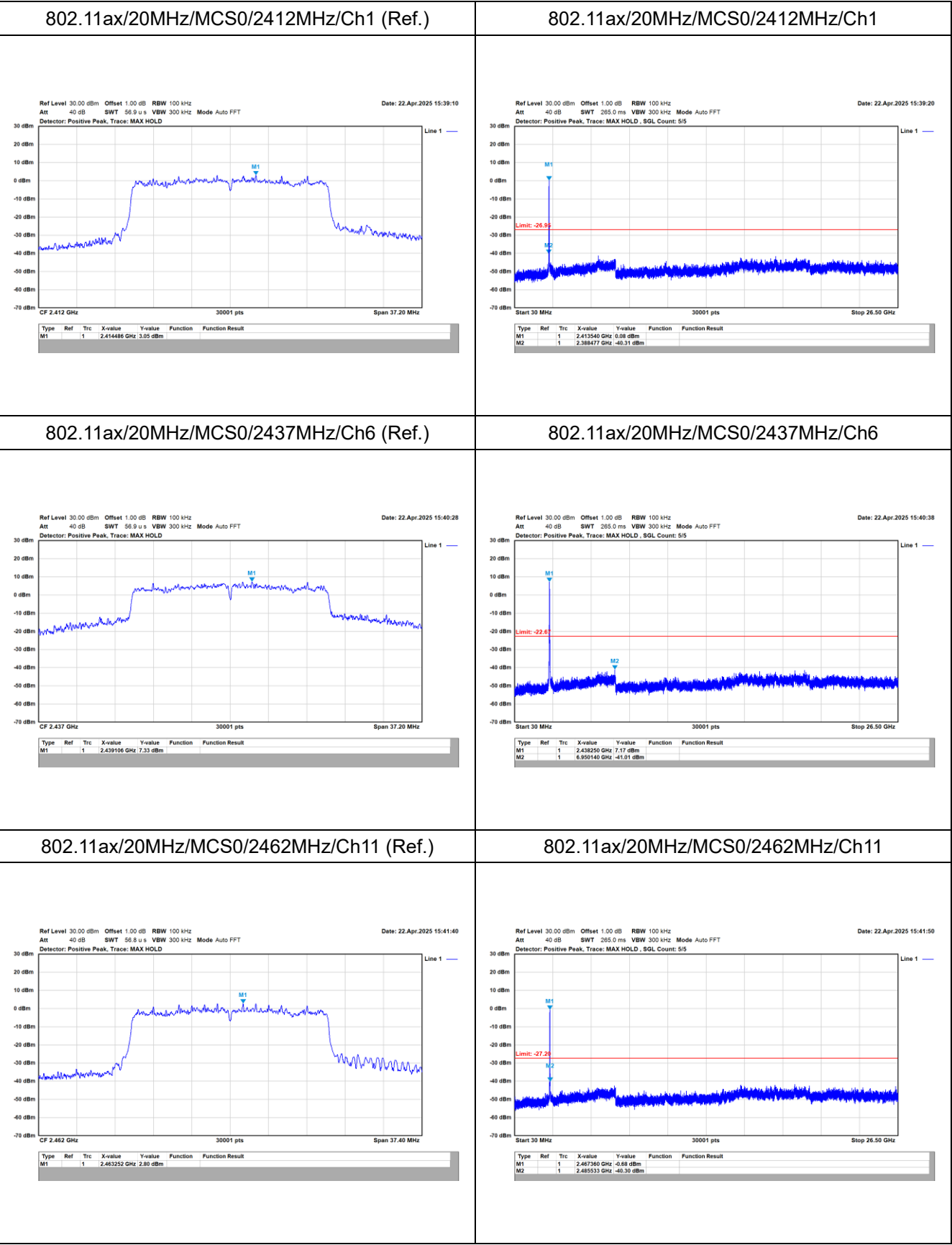
802.11ax/20MHz/MCS0/2462MHz/Ch11



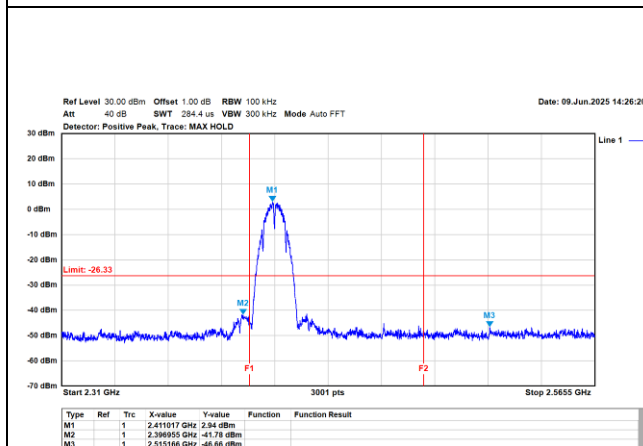
Appendix E. Test Result of Antenna Port Conducted Emission



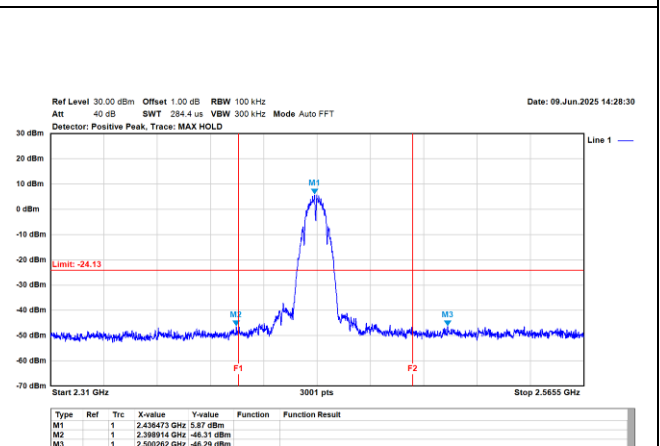




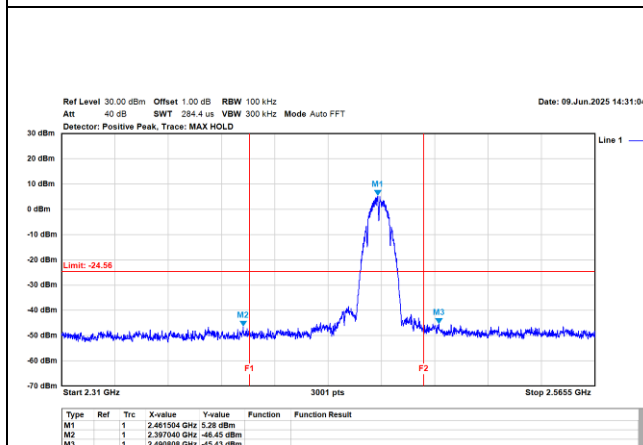
802.11b/20MHz/1M/2412MHz/Ch1(Band Edge)



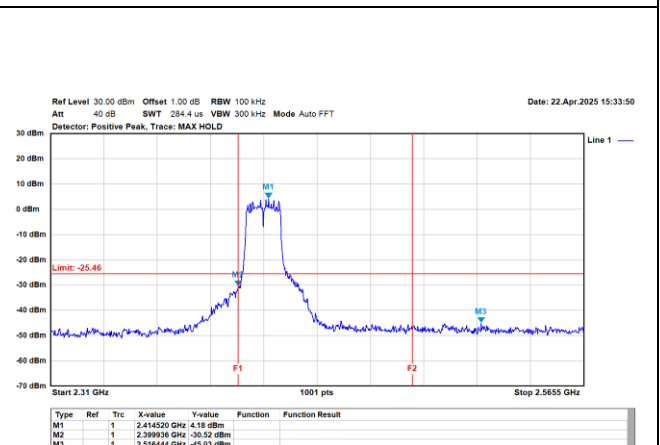
802.11b/20MHz/1M/2437MHz/Ch6(Band Edge)



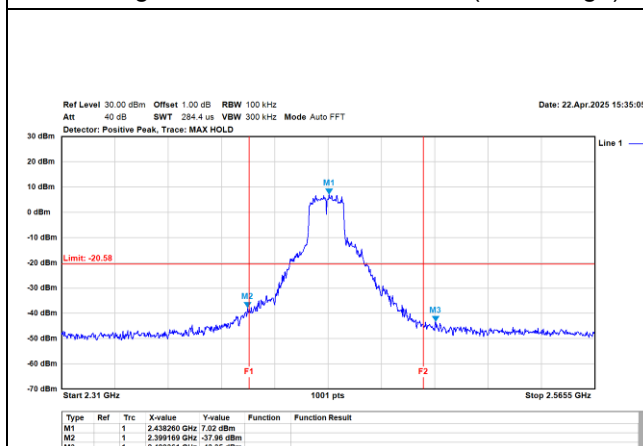
802.11b/20MHz/1M/2462MHz/Ch11(Band Edge)



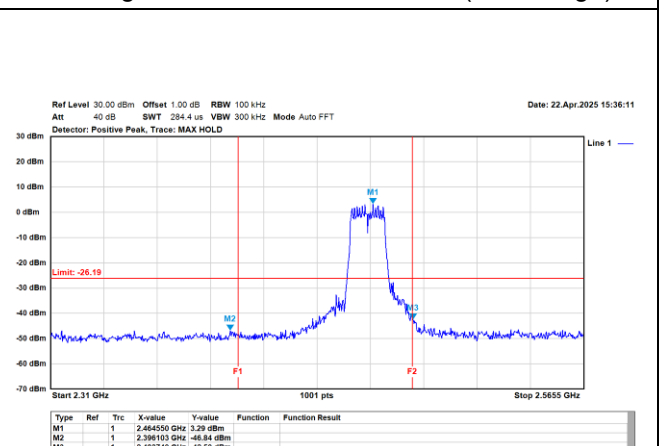
802.11g/20MHz/6M/2412MHz/Ch (Band Edge)



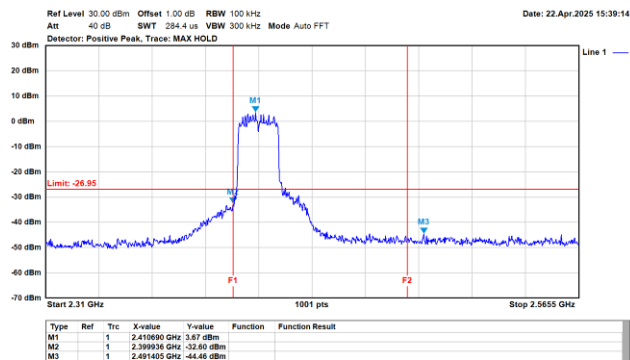
802.11g/20MHz/6M/2437MHz/Ch6 (Band Edge)



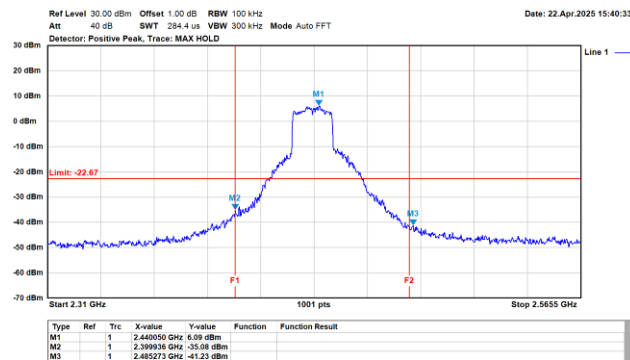
802.11g/20MHz/6M/2462MHz/Ch11(Band Edge)



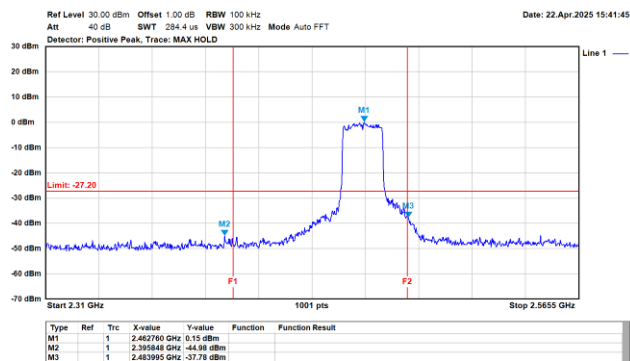
802.11ax/20MHz/MCS0/2412MHz/Ch1(Band Edge)



802.11ax/20MHz/MCS0/2437MHz/Ch6(Band Edge)



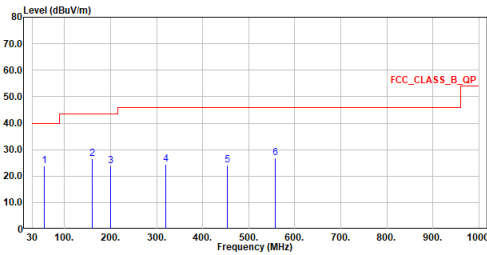
802.11ax/20MHz/MCS0/2462MHz/Ch11(Band Edge)



Appendix F. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

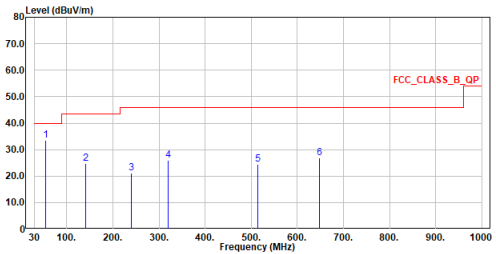
Site :HC-CB04
Condition :3m Horizontal
Mode :WIFI 2.4G_TX_LF
Test By :Jason Young



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. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :WIFI 2.4G_TX_LF
Test By :Jason Young

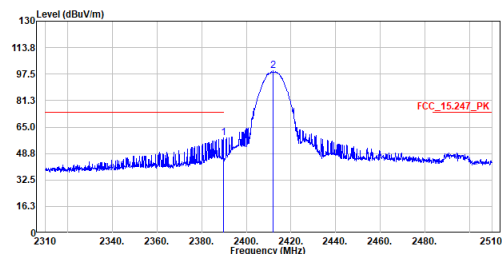


Note:

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. The other emission levels were very low against the limit.

Above 1 GHz

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :b_TX_2412MHz
Test By :Cyril Chen

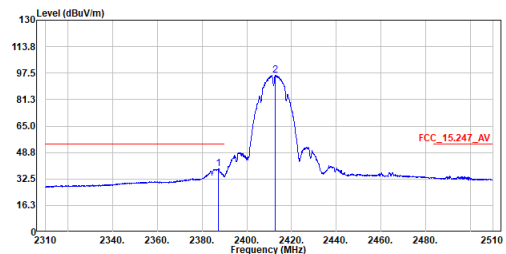


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	2389.800	58.21	74.00	-15.79	47.80	10.41	Peak
2	2412.000	99.68	-----	-----	89.21	10.47	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 1
Mode :b_TX_2412MHz
Test By :Cyril Chen

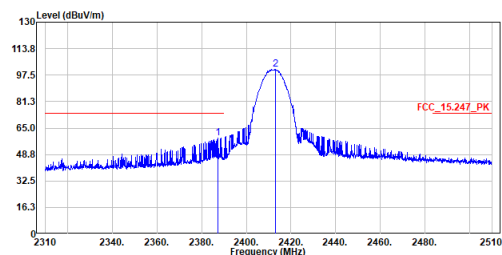


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	2387.300	38.91	54.00	-15.09	28.51	10.40	Average
2	2412.700	96.26	-----	-----	85.79	10.47	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :b_TX_2412MHz
Test By :Cyril Chen

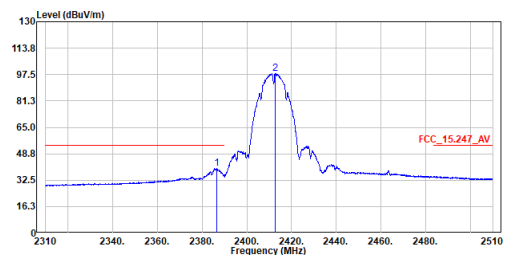


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	2387.400	58.85	74.00	-15.15	48.45	10.40	Peak
2	2413.000	101.14	-----	-----	90.67	10.47	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 1
Mode :b_TX_2412MHz
Test By :Cyril Chen

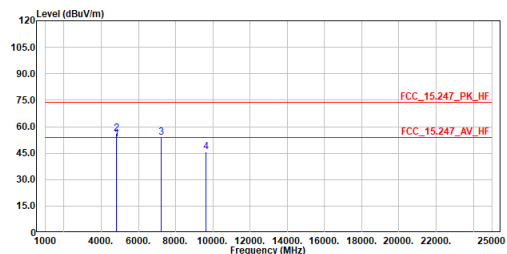


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	2386.600	39.72	54.00	-14.28	29.32	10.40	Average
2	2412.800	98.33	-----	-----	87.86	10.47	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :b_TX_2412MHz
Test By :Cyril Chen

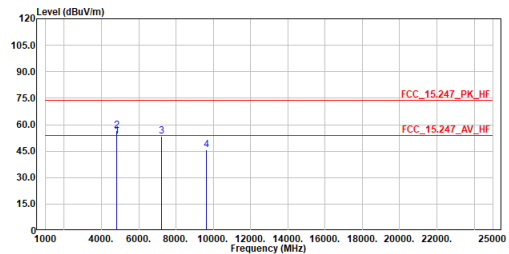


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	52.78	54.00	-1.22	70.54	-17.76	Average
2	4824.000	56.22	74.00	-17.78	73.98	-17.76	Peak
3	7236.000	53.97	74.00	-20.03	66.75	-12.78	Peak
4	9648.000	45.58	74.00	-28.42	54.67	-9.09	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :b_TX_2412MHz
Test By :Cyril Chen

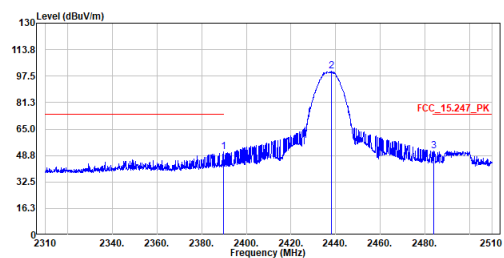


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	53.52	54.00	-0.48	71.28	-17.76	Average
2	4824.000	56.67	74.00	-17.33	74.43	-17.76	Peak
3	7236.000	53.43	74.00	-20.57	66.21	-12.78	Peak
4	9648.000	45.79	74.00	-28.21	54.88	-9.09	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :b_TX_2437MHz
Test By :Cyril Chen

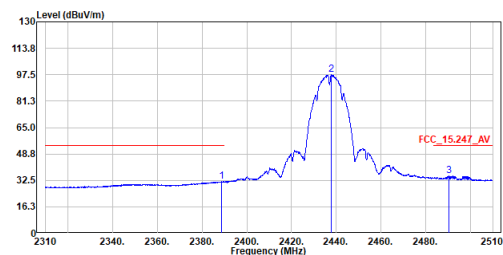


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.700	51.18	74.00	-22.82	40.77	10.41	Peak
2	2438.000	100.34	-----	-----	89.82	10.52	Peak
3	2483.800	51.55	74.00	-22.45	40.90	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 1
Mode :b_TX_2437MHz
Test By :Cyril Chen

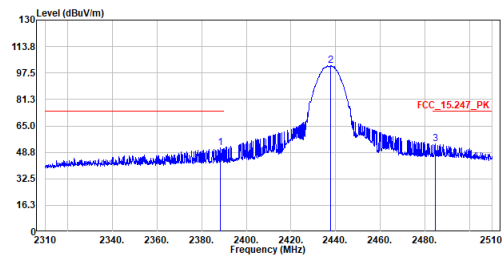


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	31.75	54.00	-22.25	21.35	10.40	Average
2	2437.800	97.48	-----	-----	86.96	10.52	Average
3	2490.400	35.12	54.00	-18.88	24.46	10.66	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :b_TX_2437MHz
Test By :Cyril Chen

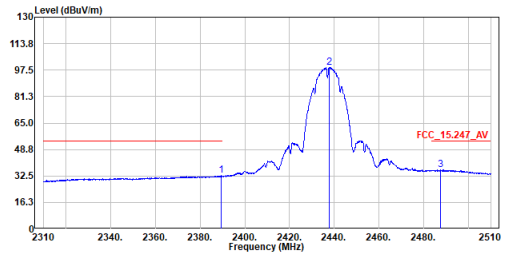


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.400	51.59	74.00	-22.41	41.19	10.40	Peak
2	2437.900	102.01	-----	-----	91.49	10.52	Peak
3	2484.800	53.79	74.00	-20.21	43.14	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 1
Mode :b_TX_2437MHz
Test By :Cyril Chen

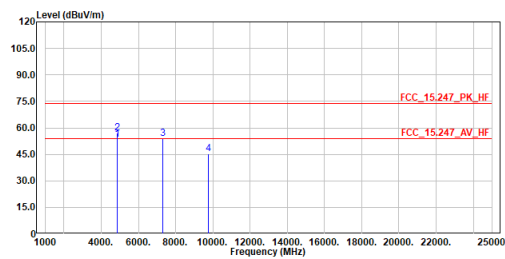


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.400	32.72	54.00	-21.28	22.31	10.41	Average
2	2437.800	99.11	-----	-----	88.59	10.52	Average
3	2487.500	36.20	54.00	-17.80	25.55	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :b_TX_2437MHz
Test By :Cyril Chen

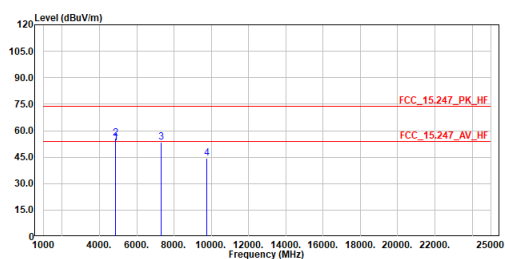


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	53.52	54.00	-0.48	71.14	-17.62	Average
2	4874.000	56.90	74.00	-17.10	74.52	-17.62	Peak
3	7311.000	53.95	74.00	-20.05	66.61	-12.66	Peak
4	9748.000	45.28	74.00	-28.72	54.26	-8.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :b_TX_2437MHz
Test By :Cyril Chen

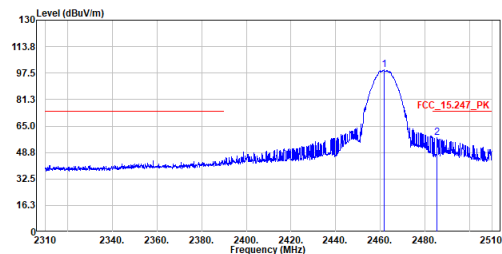


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	52.88	54.00	-1.12	70.50	-17.62	Average
2	4874.000	55.75	74.00	-18.25	73.37	-17.62	Peak
3	7311.000	53.49	74.00	-20.51	66.15	-12.66	Peak
4	9748.000	44.57	74.00	-29.43	53.55	-8.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :b_TX_2462MHz
Test By :Cyril Chen

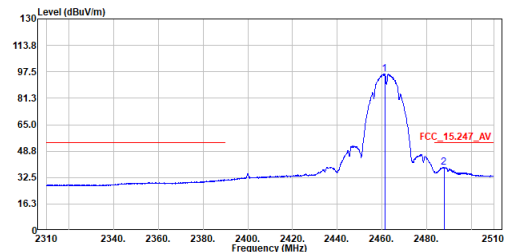


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	2461.200	99.53	-----	-----	88.95	10.58	Peak
2	2487.700	57.73	74.00	-16.27	47.08	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 1
Mode :b_TX_2462MHz
Test By :Cyril Chen

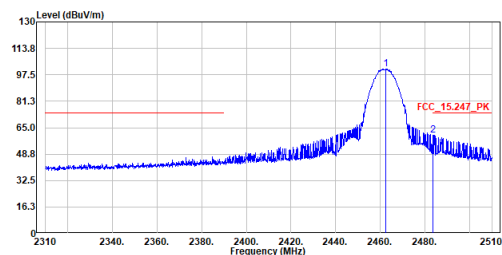


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	2461.200	96.34	-----	-----	85.76	10.58	Average
2	2487.700	38.78	54.00	-15.22	28.13	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :b_TX_2462MHz
Test By :Cyril Chen

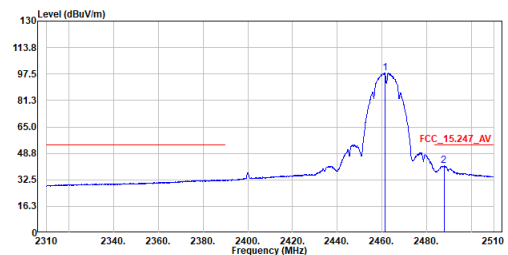


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	2461.200	101.29	-----	-----	90.70	10.59	Peak
2	2487.700	60.57	74.00	-13.43	49.93	10.64	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 1
Mode :b_TX_2462MHz
Test By :Cyril Chen

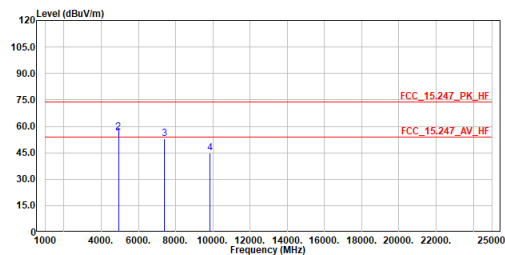


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	2461.200	98.22	-----	-----	87.64	10.58	Average
2	2487.700	41.11	54.00	-12.89	30.46	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :b_TX_2462MHz
Test By :Cyril Chen

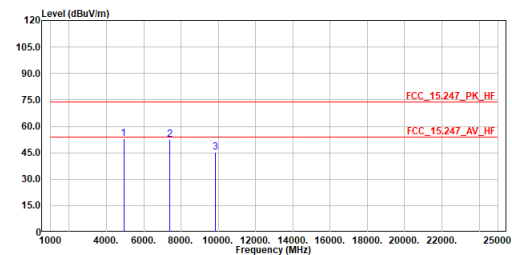


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	53.56	54.00	-0.44	71.05	-17.49	Average
2	4924.000	56.60	74.00	-17.40	74.09	-17.49	Peak
3	7386.000	53.17	74.00	-20.83	65.70	-12.53	Peak
4	9848.000	44.78	74.00	-29.22	53.63	-8.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :b_TX_2462MHz
Test By :Cyril Chen

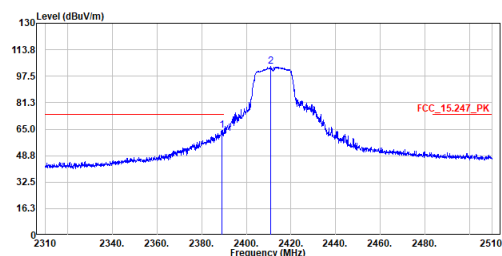


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	53.12	74.00	-20.88	70.61	-17.49	Peak
2	7386.000	52.35	74.00	-21.65	64.88	-12.53	Peak
3	9848.000	45.31	74.00	-28.69	54.16	-8.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :g_TX_2412MHz
Test By :Cyril Chen

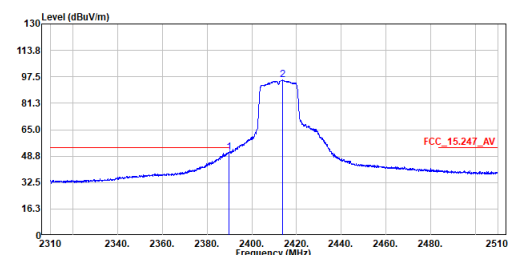


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.200	64.42	74.00	-9.58	54.02	10.40	Peak
2	2410.900	103.66	-----	-----	93.19	10.47	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 10
Mode :g_TX_2412MHz
Test By :Cyril Chen

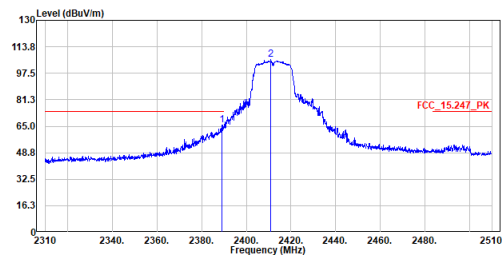


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.800	51.04	54.00	-2.96	40.63	10.41	Average
2	2413.600	95.64	-----	-----	85.17	10.47	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :g_TX_2412MHz
Test By :Cyril Chen

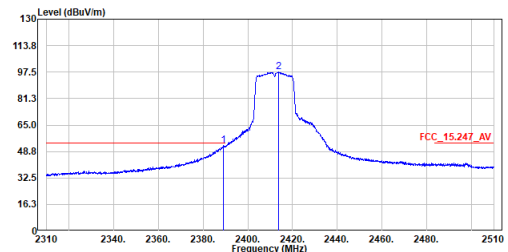


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.200	65.70	74.00	-8.30	55.30	10.40	Peak
2	2411.000	106.03	74.00	32.03	95.56	10.47	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 10
Mode :g_TX_2412MHz
Test By :Cyril Chen

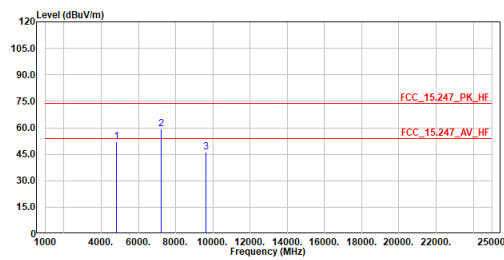


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.100	52.33	74.00	-21.67	41.93	10.40	Average
2	2413.900	97.63	74.00	23.63	87.16	10.47	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :g_TX_2412MHz
Test By :Jason Young

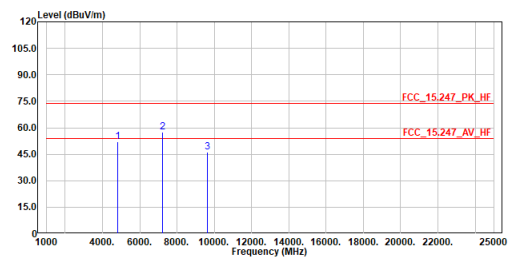


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	52.01	74.00	-21.99	69.77	-17.76	Peak
2	7236.000	59.10	74.00	-14.90	71.88	-12.78	Peak
3	9648.000	46.34	74.00	-27.66	55.43	-9.09	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :g_TX_2412MHz
Test By :Jason Young

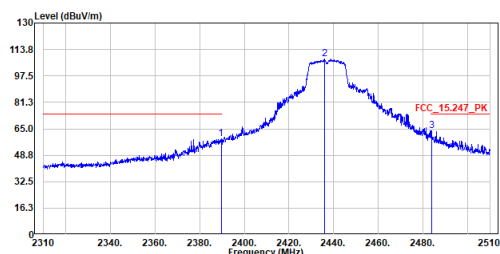


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	52.01	74.00	-21.99	69.77	-17.76	Peak
2	7236.000	57.66	74.00	-16.34	70.44	-12.78	Peak
3	9648.000	46.34	74.00	-27.66	55.43	-9.09	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :g_TX_2437MHz
Test By :Cyril Chen

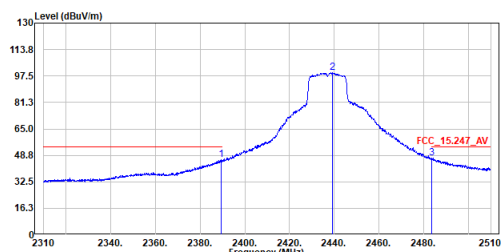


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.600	58.00	74.00	-15.20	48.39	10.41	Peak
2	2435.900	107.85	-----	-----	97.33	10.52	Peak
3	2483.900	63.76	74.00	-10.24	53.11	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 10
Mode :g_TX_2437MHz
Test By :Cyril Chen

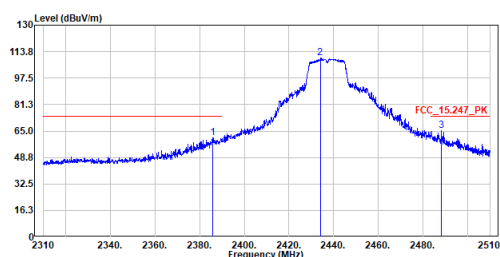


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.500	46.20	54.00	-7.80	35.79	10.41	Average
2	2439.200	99.50	-----	-----	88.98	10.52	Average
3	2483.700	47.03	54.00	-6.97	36.38	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :g_TX_2437MHz
Test By :Cyril Chen

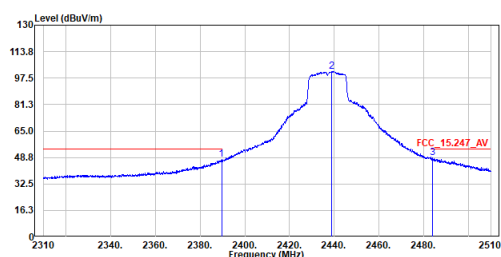


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2385.900	60.74	74.00	-13.26	50.34	10.40	Peak
2	2434.000	109.90	-----	-----	99.38	10.52	Peak
3	2488.200	65.19	74.00	-8.81	54.54	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 10
Mode :g_TX_2437MHz
Test By :Cyril Chen

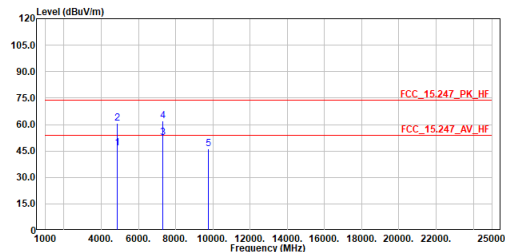


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.600	47.50	54.00	-6.50	37.09	10.41	Average
2	2438.700	101.66	-----	-----	91.14	10.52	Average
3	2483.900	48.61	54.00	-5.39	37.96	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :g_TX_2437MHz
Test By :Jason Young

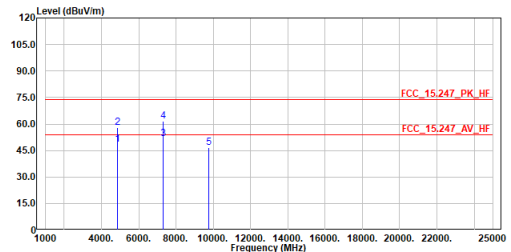


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	46.59	54.00	-7.41	64.21	-17.62	Average
2	4874.000	60.68	74.00	-13.32	78.30	-17.62	Peak
3	7311.000	52.56	54.00	-1.44	65.22	-12.66	Average
4	7311.000	62.26	74.00	-11.74	74.92	-12.66	Peak
5	9748.000	46.22	74.00	-27.78	55.20	-8.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :g_TX_2437MHz
Test By :Jason Young

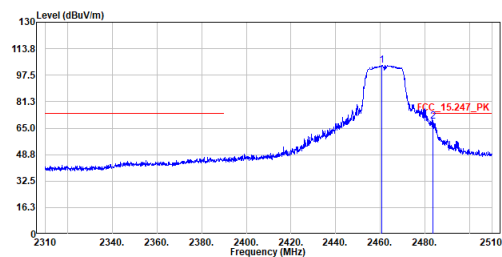


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	48.59	54.00	-5.41	66.21	-17.62	Average
2	4874.000	58.08	74.00	-15.92	75.70	-17.62	Peak
3	7311.000	51.62	54.00	-2.38	64.28	-12.66	Average
4	7311.000	61.79	74.00	-12.21	74.45	-12.66	Peak
5	9748.000	46.86	74.00	-27.14	55.84	-8.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :g_TX_2462MHz
Test By :Cyril Chen

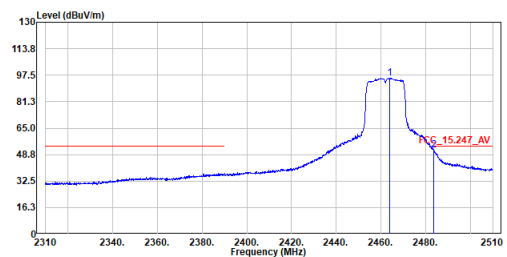


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2460.500	103.75	-----	-----	93.18	10.57	Peak
2	2483.700	69.39	74.00	-4.61	58.74	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 10
Mode :g_TX_2462MHz
Test By :Cyril Chen

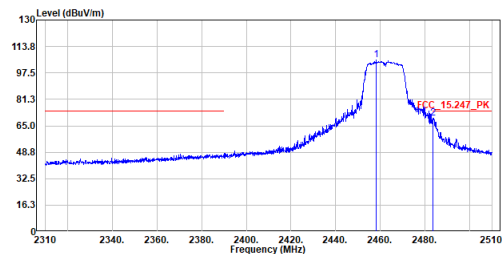


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2463.900	95.78	-----	-----	85.19	10.59	Average
2	2483.600	51.51	54.00	-2.49	40.87	10.64	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :g_TX_2462MHz
Test By :Cyril Chen

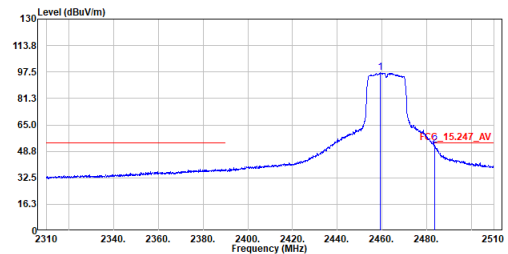


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	2459.400	105.36	-----	94.79	10.57	Peak	
2	2483.700	69.74	74.00	-4.26	59.09	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 10
Mode :g_TX_2462MHz
Test By :Cyril Chen

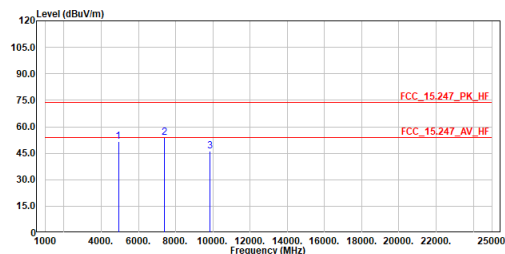


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	2459.400	96.94	-----	86.37	10.57	Average	
2	2483.600	52.31	54.00	-1.69	41.67	10.64	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :g_TX_2462MHz
Test By :Jason Young

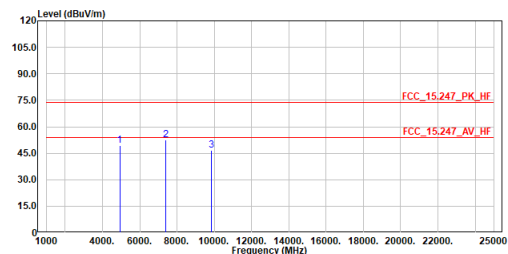


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	4924.000	51.59	74.00	-22.41	69.08	-17.49	Peak
2	7386.000	53.74	74.00	-20.26	66.27	-12.53	Peak
3	9848.000	46.21	74.00	-27.79	55.06	-8.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :g_TX_2462MHz
Test By :Jason Young

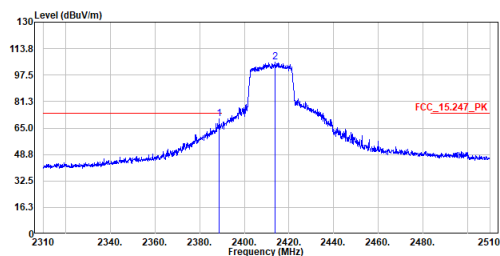


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
		dBuV/m	dB	dB	dB	dB	
1	4924.000	49.48	74.00	-24.52	66.97	-17.49	Peak
2	7386.000	52.69	74.00	-21.31	65.22	-12.53	Peak
3	9848.000	46.55	74.00	-27.45	55.40	-8.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :ax20_TX_2412MHz
Test By :Cyril Chen

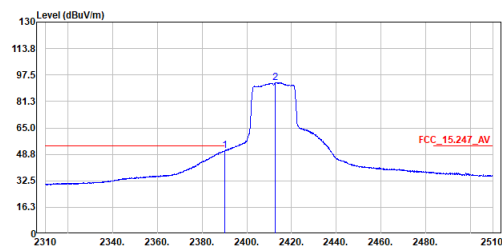


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	70.52	74.00	-3.48	60.12	10.40	Peak
2	2413.600	105.61	-----	-----	95.14	10.47	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 1
Mode :ax20_TX_2412MHz
Test By :Cyril Chen

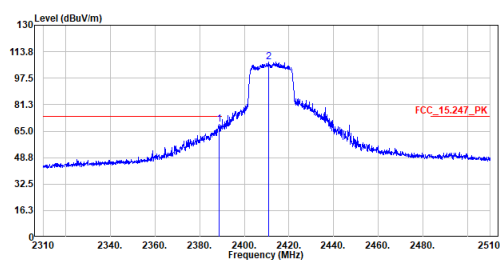


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	50.82	54.00	-3.18	40.41	10.41	Average
2	2412.700	92.86	-----	-----	82.39	10.47	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :ax20_TX_2412MHz
Test By :Cyril Chen

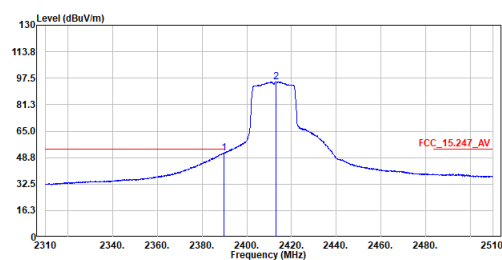


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2388.800	69.35	74.00	-4.65	58.95	10.40	Peak
2	2410.800	107.46	-----	-----	96.99	10.47	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 1
Mode :ax20_TX_2412MHz
Test By :Cyril Chen

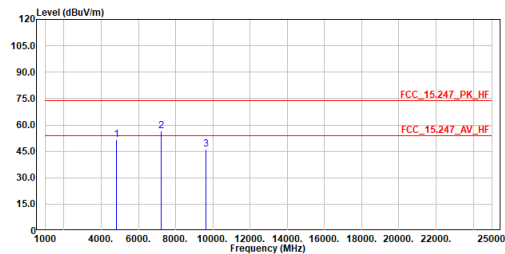


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.900	51.70	54.00	-2.30	41.29	10.41	Average
2	2413.000	95.28	-----	-----	84.81	10.47	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :ax20_TX_2412MHz
Test By :Jason Young

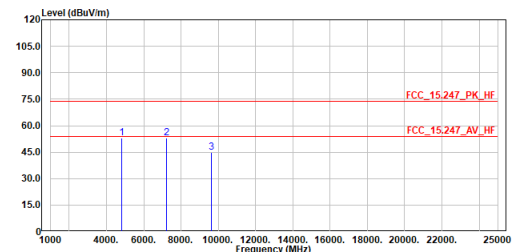


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	51.66	74.00	-22.34	69.42	-17.76	Peak
2	7236.000	56.64	74.00	-17.36	69.42	-12.78	Peak
3	9648.000	46.02	74.00	-27.98	55.11	-9.09	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :ax20_TX_2412MHz
Test By :Jason Young

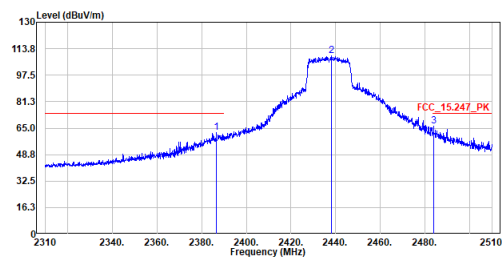


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	52.79	74.00	-21.21	70.55	-17.76	Peak
2	7236.000	53.05	74.00	-20.95	65.83	-12.78	Peak
3	9648.000	44.83	74.00	-29.17	53.92	-9.09	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :ax20_TX_2437MHz
Test By :Cyril Chen

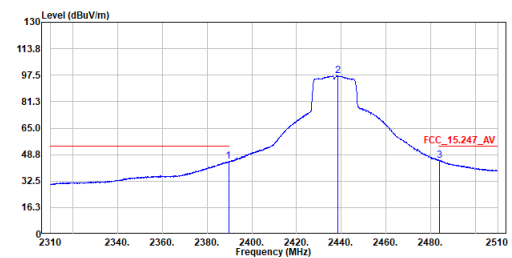


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2386.000	62.40	74.00	-11.60	52.00	10.40	Peak
2	2438.000	109.37	-----	-----	98.85	10.52	Peak
3	2484.000	66.46	74.00	-7.54	55.81	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 1
Mode :ax20_TX_2437MHz
Test By :Cyril Chen

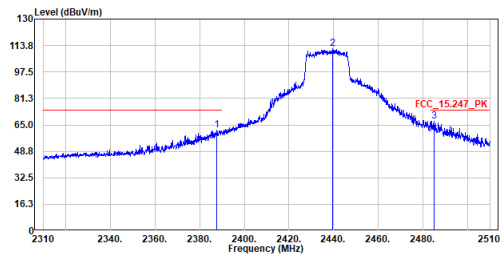


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.600	44.42	54.00	-9.58	34.01	10.41	Average
2	2438.400	97.06	-----	-----	86.54	10.52	Average
3	2483.900	45.29	54.00	-8.71	34.64	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :ax20_TX_2437MHz
Test By :Cyril Chen

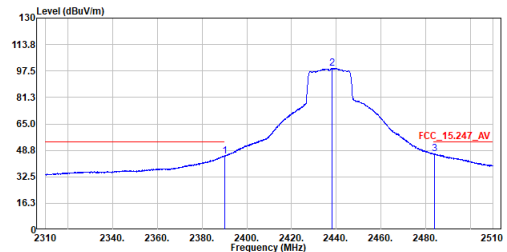


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2387.800	62.05	74.00	-11.95	51.65	10.40	Peak
2	2439.500	111.73	-----	-----	101.20	10.53	Peak
3	2485.100	67.11	74.00	-6.89	56.46	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 1
Mode :ax20_TX_2437MHz
Test By :Cyril Chen

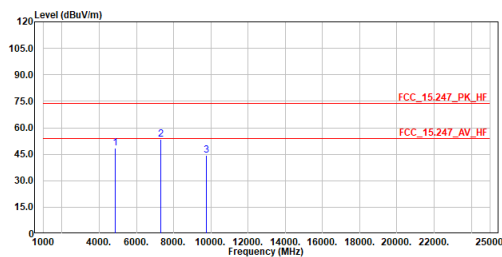


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2390.000	45.19	54.00	-8.81	34.78	10.41	Average
2	2438.000	99.24	-----	-----	88.72	10.52	Average
3	2484.000	46.68	54.00	-7.32	36.03	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :ax20_TX_2437MHz
Test By :Jason Young

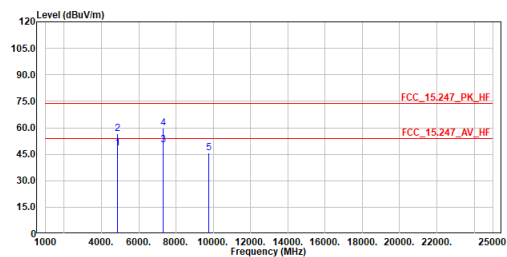


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4874.000	48.42	74.00	-25.58	66.04	-17.62	Peak
2	7311.000	53.31	74.00	-20.69	65.97	-12.66	Peak
3	9748.000	44.26	74.00	-29.74	53.24	-8.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :ax20_TX_2437MHz
Test By :Jason Young

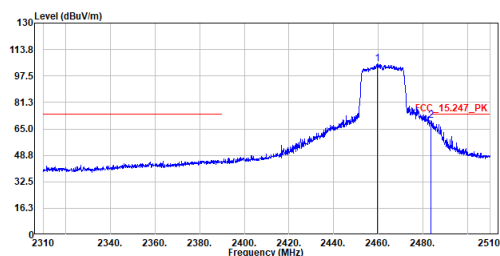


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4874.000	48.42	54.00	-5.58	66.04	-17.62	Average
2	4874.000	56.47	74.00	-17.53	74.09	-17.62	Peak
3	7311.000	50.32	54.00	-3.68	62.98	-12.66	Average
4	7311.000	59.56	74.00	-14.44	72.22	-12.66	Peak
5	9748.000	45.77	74.00	-28.23	54.75	-8.98	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :ax20_TX_2462MHz
Test By :Cyril Chen

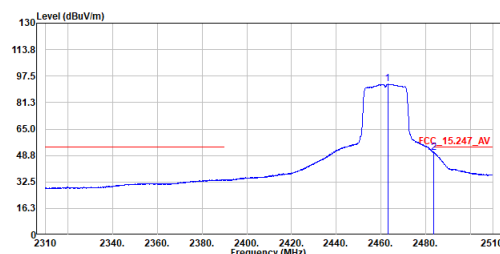


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2459.500	104.82	-----	-----	94.25	10.57	Peak
2	2483.600	70.00	74.00	-4.00	59.36	10.64	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 1
Mode :ax20_TX_2462MHz
Test By :Cyril Chen

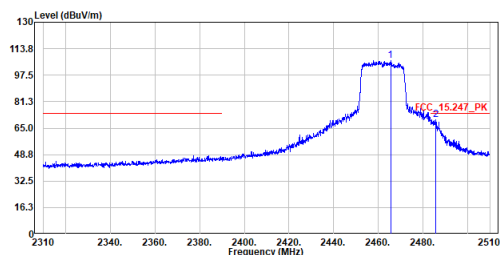


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2463.000	92.63	-----	-----	82.04	10.59	Average
2	2483.700	50.48	54.00	-3.52	39.83	10.65	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :ax20_TX_2462MHz
Test By :Cyril Chen

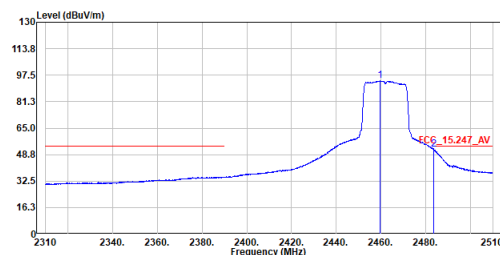


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2465.500	106.58	-----	-----	95.98	10.60	Peak
2	2485.700	70.15	74.00	-3.85	59.50	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 1
Mode :ax20_TX_2462MHz
Test By :Cyril Chen

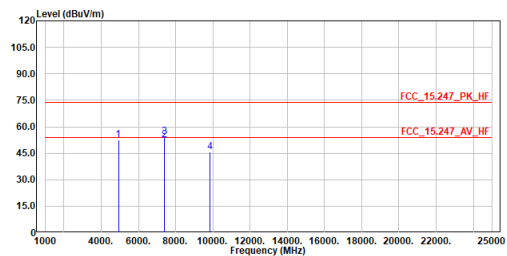


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2459.600	93.98	-----	-----	83.41	10.57	Average
2	2483.600	51.95	54.00	-2.05	41.31	10.64	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :ax20_TX_2462MHz
Test By :Jason Young

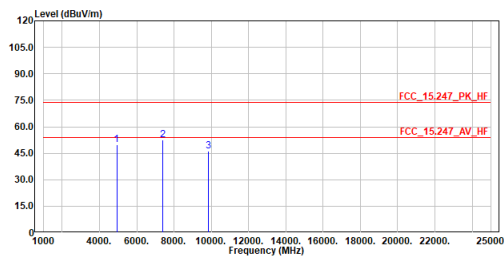


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	52.41	74.00	-21.59	69.90	-17.49	Peak
2	7386.000	52.67	54.00	-1.33	65.20	-12.53	Average
3	7386.000	54.39	74.00	-19.61	66.92	-12.53	Peak
4	9848.000	45.96	74.00	-28.04	54.81	-8.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :ax20_TX_2462MHz
Test By :Jason Young



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	49.65	74.00	-24.35	67.14	-17.49	Peak
2	7386.000	52.36	74.00	-21.64	64.89	-12.53	Peak
3	9848.000	45.96	74.00	-28.04	54.81	-8.85	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.