

Test Report No:
2470803R-RFUSV03S-C

TEST REPORT

FCC Rules&Regulations

Product Name	WiFi USB Adapter
Brand Name	msi
Model No.	GUBE65
FCC ID	I4L-GUBE65
Applicant's Name / Address	Micro-Star Int'l Co.,Ltd. No.69, Lide St., Zhonghe Dist., New Taipei City 235, Taiwan
Manufacturer's Name / Address	Micro-Star Int'l Co.,Ltd. No.69, Lide St., Zhonghe Dist., New Taipei City 235, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart E Section 15.407 ANSI C63.10-2013
Verdict Summary	IN COMPLIANCE
Documented By	 Amelia Wu
Approved By	 Allen Lin
Date of Receipt	Jul. 26, 2024
Date of Issue	Jan. 16, 2025
Report Version	V1.0

INDEX

page

Competences and Guarantees.....	4
General Conditions	4
Revision History	5
Summary of Test Result.....	6
Comments and Remarks	6
1. General Information	7
1.1. EUT Description.....	7
1.2. EUT Information.....	8
1.3. Applicable Standards	8
1.4. Testing Location Information.....	9
1.5. Measurement Uncertainty.....	9
1.6. List of Test Equipment.....	10
2. Test Configuration of EUT	11
2.1. Test Condition	11
2.2. Test Frequency Mode	11
2.3. Duty Cycle.....	12
2.4. The Worst Case Measurement Configuration	16
2.5. Tested System Details	17
2.6. Configuration of tested System.....	17
3. AC Power Line Conducted Emission	18
3.1. Test Setup	18
3.2. Test Limit.....	18
3.3. Test Procedure.....	18
3.4. Test Result of AC Power Line Conducted Emission	18
4. Emission Bandwidth.....	19
4.1. Test Setup	19
4.2. Test Limit.....	19
4.3. Test Procedure.....	19
4.4. Test Result of Emission Bandwidth.....	19
5. Maximum Conducted Output Power	20
5.1. Test Setup	20
5.2. Test Limit.....	21
5.3. Test Procedure.....	21
5.4. Test Result of Maximum Conducted Output Power.....	21
6. Maximum Power Spectral Density	22
6.1. Test Setup	22

6.2.	Test Limit.....	22
6.3.	Test Procedure.....	22
6.4.	Test Result of Maximum Power Spectral Density.....	22
7.	Transmitter Radiated Spurious Emission.....	23
7.1.	Test Setup.....	23
7.2.	Test Limit.....	24
7.3.	Test Procedure.....	25
7.4.	Test Result of Transmitter Radiated Spurious Emission	25
Appendix A. Test Result of AC Power Line Conducted Emission		
Appendix B. Test Result of Emission Bandwidth		
Appendix C. Test Result of Maximum Conducted Output Power		
Appendix D. Test Result of Maximum Power Spectral Density		
Appendix E. Test Result of Transmitter Radiated Spurious Emission		
Appendix F. Test Setup Photograph		

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	Jan. 16, 2025

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Emission Bandwidth	PASS	-
5	Maximum Conducted Output Power	PASS	-
6	Maximum Power Spectral Density	PASS	-
7	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	5470 ~ 5850 MHz	
Operating Frequency / Channel Number	IEEE 802.11a	5500 ~ 5700 MHz / 11 Channels
	IEEE 802.11n/ac/ax/be (20 MHz)	
	IEEE 802.11n/ac/ax/be (40 MHz)	5510 ~ 5670 MHz / 5 Channels
	IEEE 802.11ac/ax/be (80 MHz)	5530 ~ 5610 MHz / 2 Channels
	IEEE 802.11ac/ax/be (160 MHz)	5570 MHz / 1 Channel
Type of Modulation	IEEE 802.11a/n	OFDM-BPSK, QPSK, 16QAM, 64QAM
	IEEE 802.11ac	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
	IEEE 802.11ax	OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
	IEEE 802.11be	OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM

Accessories Information				
No.	Equipment Name	Brand Name	Model No.	Remark
1	Cradle	msi	GUBE65 Cradle	With cable: Shielded, 0.9m

Antenna Information					
Ant.	Brand Name	Model No.	Type	Antenna Gain (dBi)	Directional Gain (dBi)
1	WHA YU	C059-510503-A	PCB	2.67	5.68
2	WHA YU	C059-510504-A	PCB	2.66	

$$\text{Directional Gain} = 10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{\text{Ant}}]$$

For IEEE 802.11a/n/ac/ax/be Mode: (2TX, 2RX)

Both Ant. 1 and Ant. 2 can be used as transmitting/receiving antennas, and they can transmit/receive signal simultaneously.

1.2. EUT Information

EUT Power Type	From Host system			
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band (5600 ~ 5650 MHz)	☒	With 5600 ~ 5650 MHz	☐	Without 5600 ~ 5650 MHz
Beamforming Function	☐	With beamforming	☒	Without beamforming
Resource Unit of 802.11ax/be	☒	Full RU	☐	Partial RU
Product Type	☐	Outdoor AP	☐	Indoor AP
	☐	Fixed P2P AP	☒	Client

1.3. Applicable 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
- ♦ KDB 789033 D02 v02r01

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 412172 D01 v01r01
- ♦ KDB 414788 D01 v01r01

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. 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	Gary Liao	19~21 / 60~61.5	2024/11/21~2024/11/22
RF Conducted Emission	HC-SR12	Kevin Teng	22.8~24.2 / 49.2~52.1	2024/10/01~2024/11/22
Radiated Emission	HC-CB04	Ling Chen Cyril Chen Brook Cheng	22.7~24.9 / 47.2~50.9	2024/10/08~2024/10/29

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
Emission Bandwidth	± 636.54 Hz
Maximum Conducted Output Power	± 1.16 dB
Maximum Power Spectral Density	± 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	2023/12/15	2024/12/14
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
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1947001	0.3-40 GHz	2024/01/09	2025/01/08
Pulse Power Sensor	Anritsu	MA2411B	1911082	0.3-40 GHz	2024/01/09	2025/01/08
Pulse Power Sensor	Anritsu	MA2411B	1911083	0.3-40 GHz	2024/01/09	2025/01/08
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19

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	2023/11/17	2024/11/16
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2024/02/02	2025/02/01
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
Pre-Amplifier	SGH	SGH184	20230411-2	18G-40 GHz,54 dB	2024/04/23	2025/04/22
EMI Test Receiver	R&S	ESR7	102260	10 Hz-7 GHz	2023/11/27	2024/11/26
Magnetic Loop Antenna	Teseq	HLA 6121	49611	0.01-30 MHz	2024/02/23	2025/02/22
Coaxial Cable	Huber+Suhner	SF104	HC-CB04	30 MHz-18 GHz, 11m	2024/08/07	2025/08/06
Coaxial Cable	Huber+Suhner,R osnol	SF102_UP0264	HC-CB04-1	18-40 GHz, 3m	2024/08/13	2025/08/12
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	AX Series MP Toolkit
---------------	----------------------

<2TX, NSS 1>

Modulation	Frequency (MHz)	Power Setting
802.11a	5500	12.5
	5580	12.5
	5700	12.5
802.11be (20 MHz)	5500	13.0
	5580	13.0
	5700	13.0
802.11be (40 MHz)	5510	12.5
	5550	12.5
	5670	12.5
802.11be (80 MHz)	5530	12.5
	5610	12.5
802.11be (160 MHz)	5570	12.5

<2TX, NSS 2>

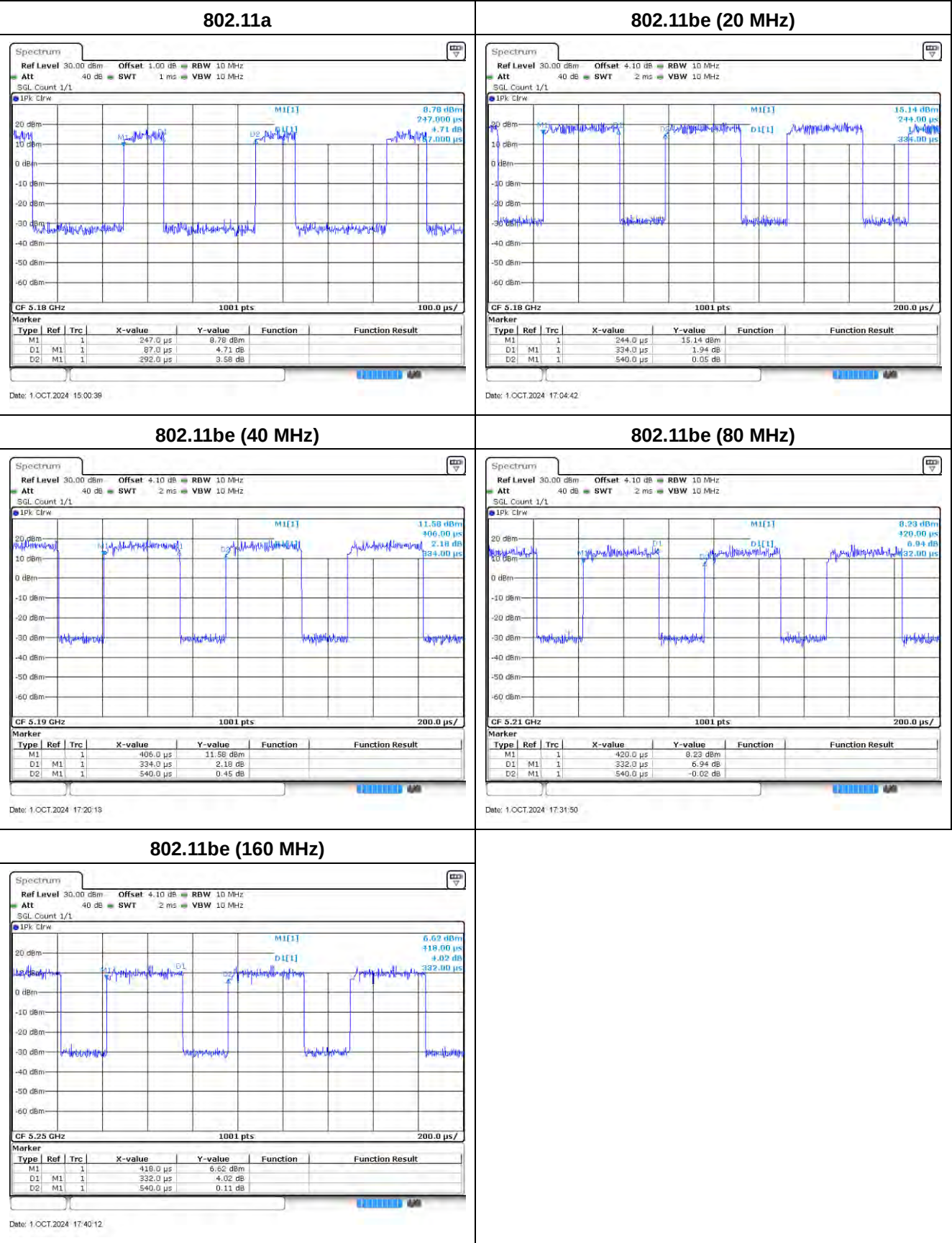
Modulation	Frequency (MHz)	Power Setting
802.11be (20 MHz)	5500	13.0
	5580	12.5
	5700	13.0
802.11be (40 MHz)	5510	12.5
	5550	12.5
	5670	12.5
802.11be (80 MHz)	5530	12.5
	5610	12.5
802.11be (160 MHz)	5570	12.5

2.3. Duty Cycle

<2TX, NSS 1>

Modulation	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a	0.087	0.292	29.79	5.259	11.494
802.11be (20 MHz)	0.334	0.540	61.85	2.086	2.994
802.11be (40 MHz)	0.334	0.540	61.85	2.086	2.994
802.11be (80 MHz)	0.332	0.540	61.48	2.113	3.012
802.11be (160 MHz)	0.332	0.540	61.48	2.11	3.012

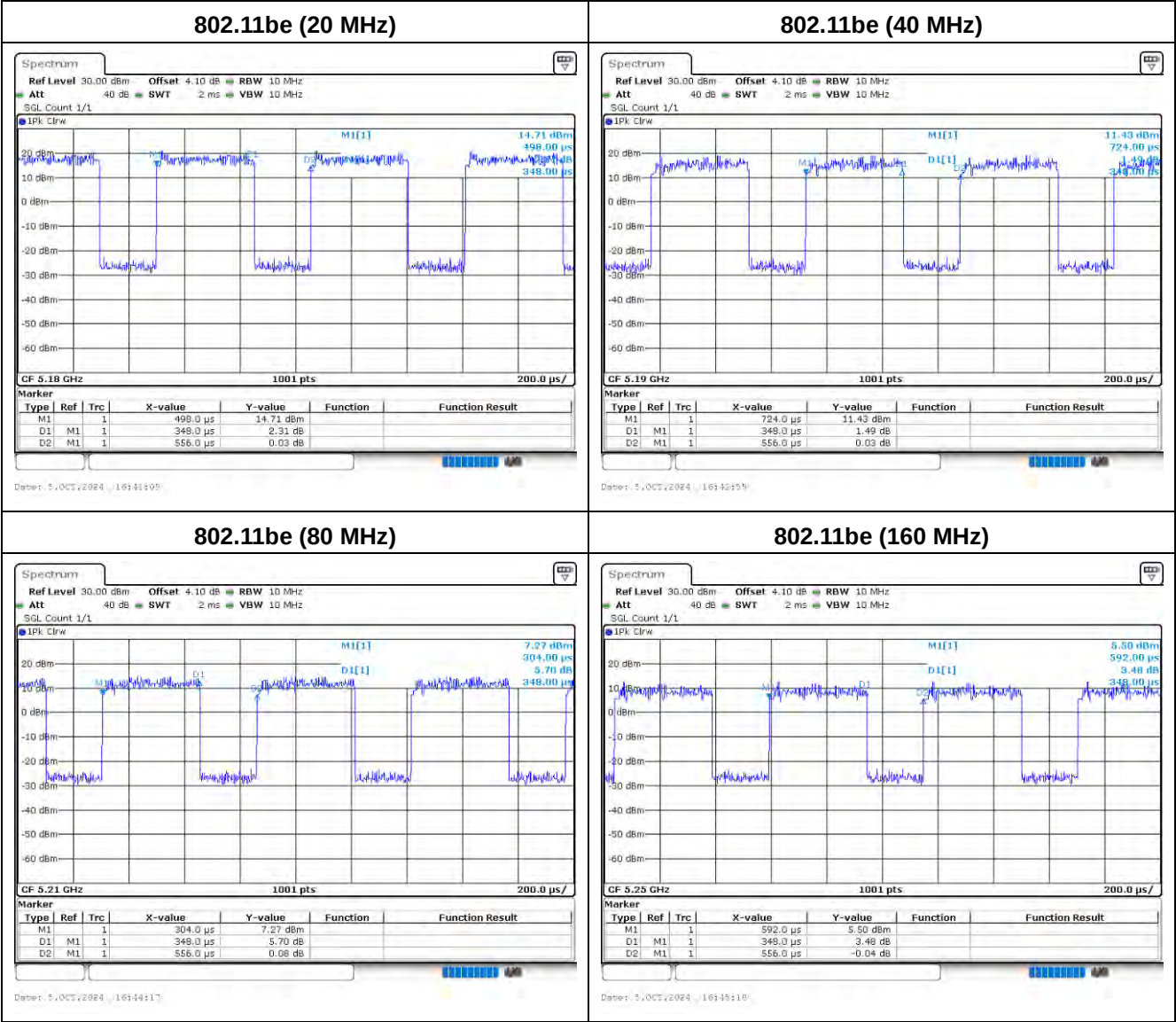
Note: The duty factor will compensate for the total power and power spectral density.



<2TX, NSS 2>

Modulation	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11be (20 MHz)	0.348	0.556	62.59	2.035	2.874
802.11be (40 MHz)	0.348	0.556	62.59	2.035	2.874
802.11be (80 MHz)	0.348	0.556	62.59	2.035	2.874
802.11be (160 MHz)	0.348	0.556	62.59	2.03	2.874

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	Emission Bandwidth Maximum Conducted Output Power Maximum Power Spectral Density
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 < 1GHz	Transmit
Operating Mode > 1GHz	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 Z axis, so the measurement will follow this same test configuration.

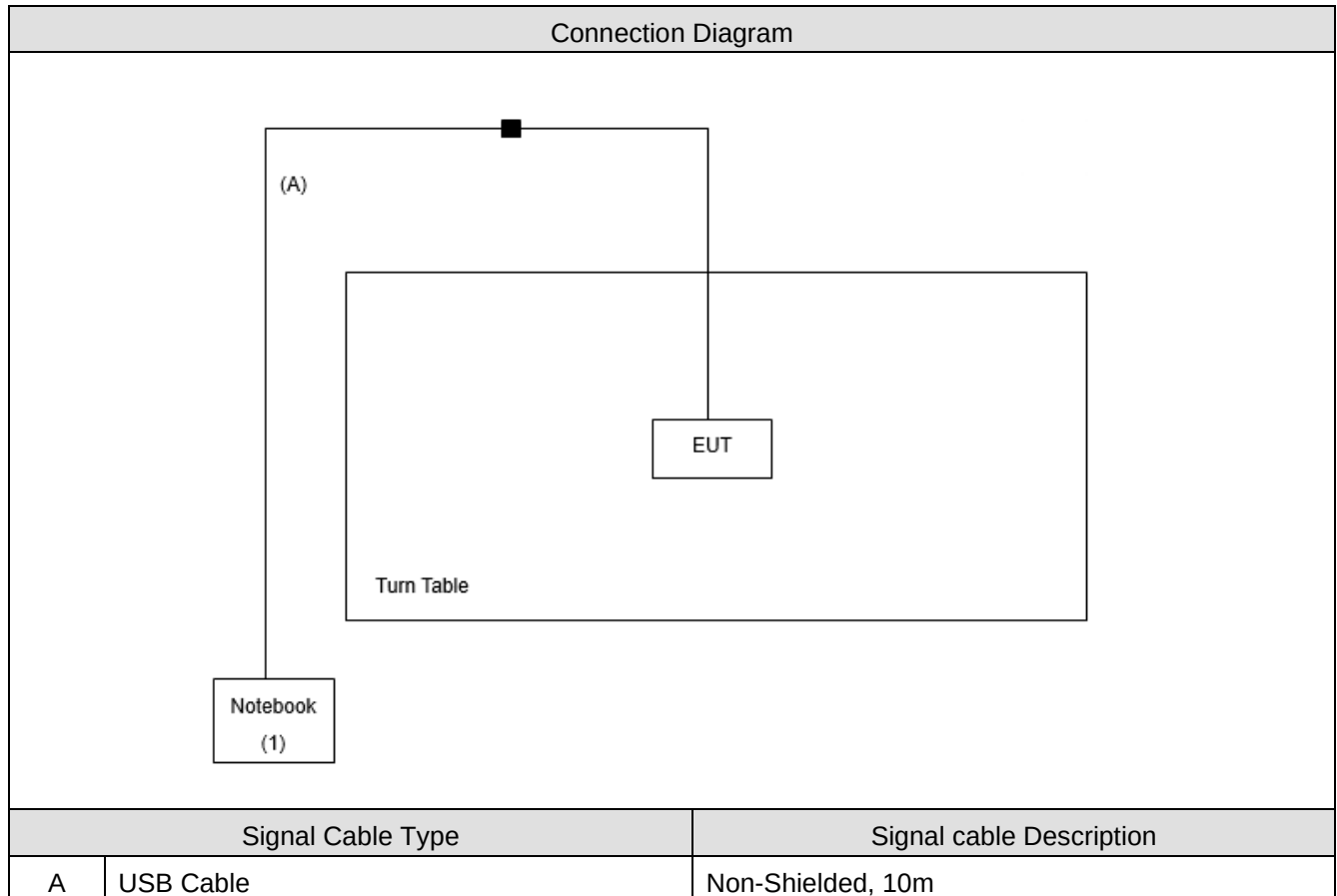
Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. For radiated 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.
3. The modulation and bandwidth are similar for 802.11n mode for HT20/HT40, 802.11ac mode for VHT20/VHT40/VHT80/VHT160, 802.11ax mode for HEW20/HEW40/HEW80/HEW160 and 802.11be mode for EHT20/EHT40/EHT80/EHT160, therefore investigated worst case to representative mode in test report.

2.5. Tested System Details

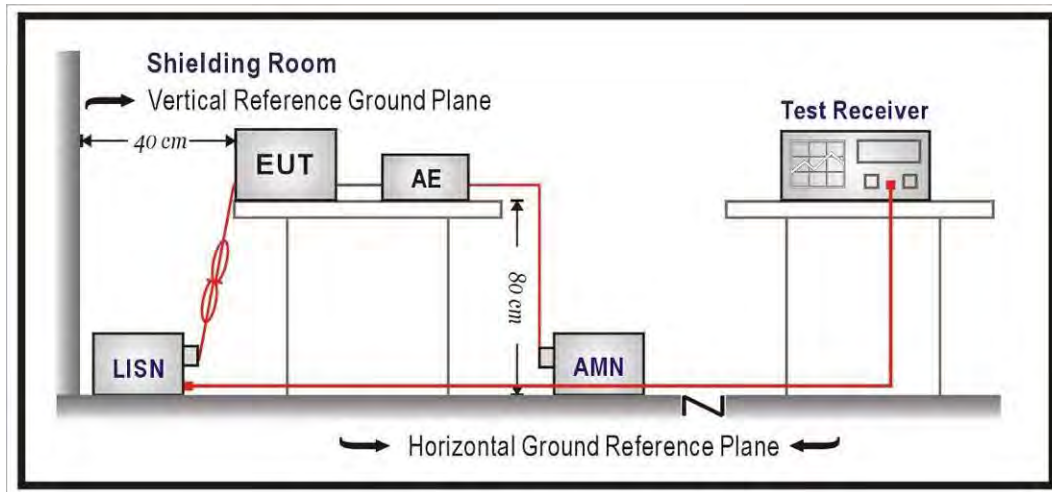
No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	ASUS	BX310U	J5N0CV04S32319B

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

Remark: 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.

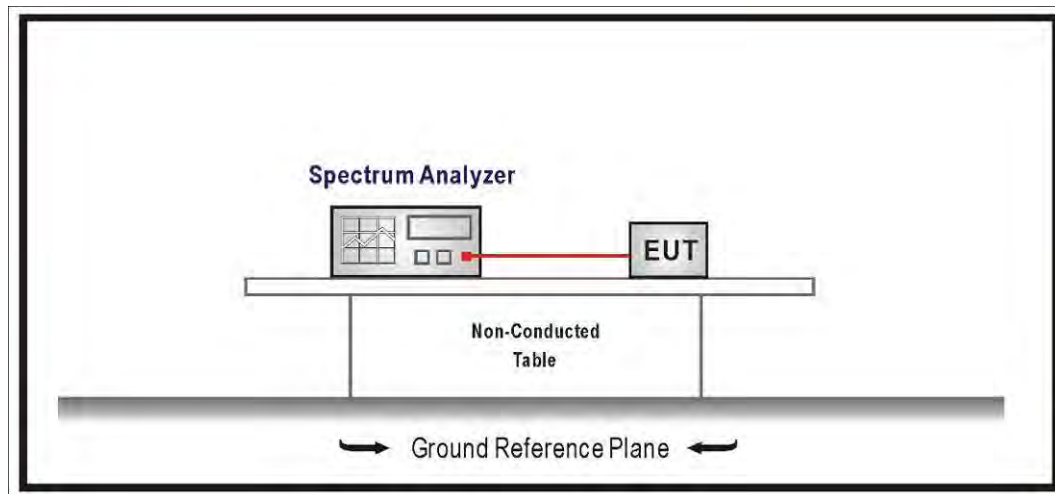
Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. Emission Bandwidth

4.1. Test Setup



4.2. Test Limit

99% & 26dB Bandwidth : No Required

6dB Bandwidth $\geq$ 500kHz (within the 5.725-5.85GHz and 5.85-5.896GHz)

4.3. Test Procedure

99% & 26dB Bandwidth :

The EUT was tested according to U-NII test procedure of KDB 789033.

Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

DTS Bandwidth :

Set RBW = 100kHz, VBW $\geq$ 3xRBW, Sweep time=Auto, Set Peak detector.

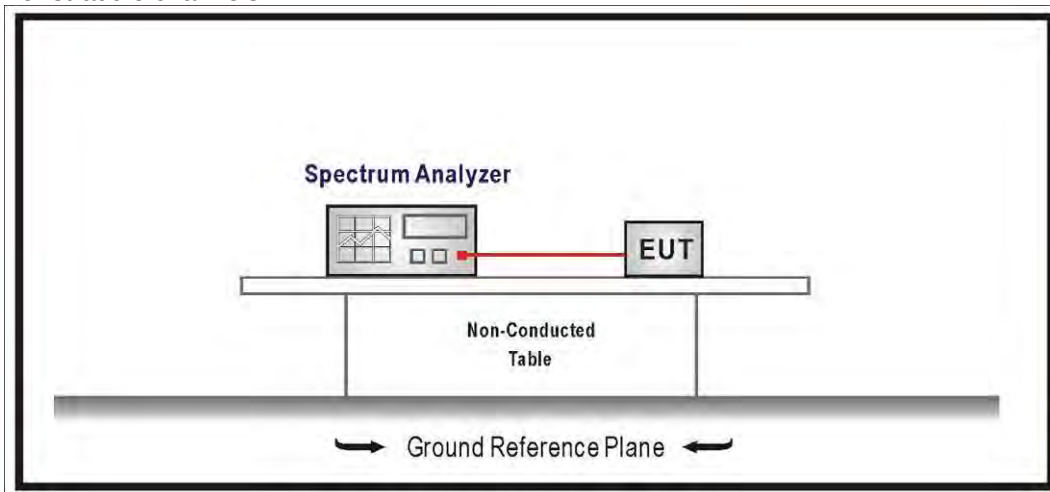
4.4. Test Result of Emission Bandwidth

Refer as Appendix B

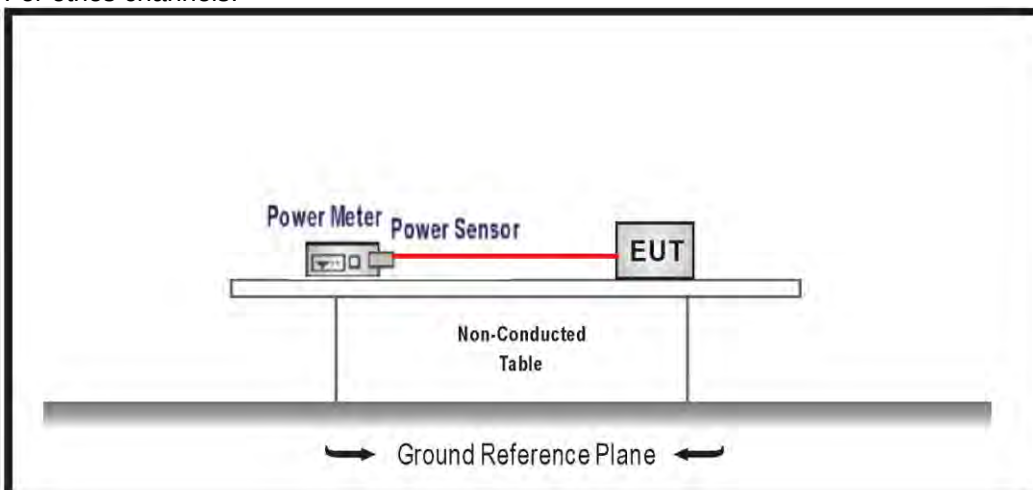
5. Maximum Conducted Output Power

5.1. Test Setup

For straddle channels:



For other channels:



5.2. Test Limit

For the 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3. Test Procedure

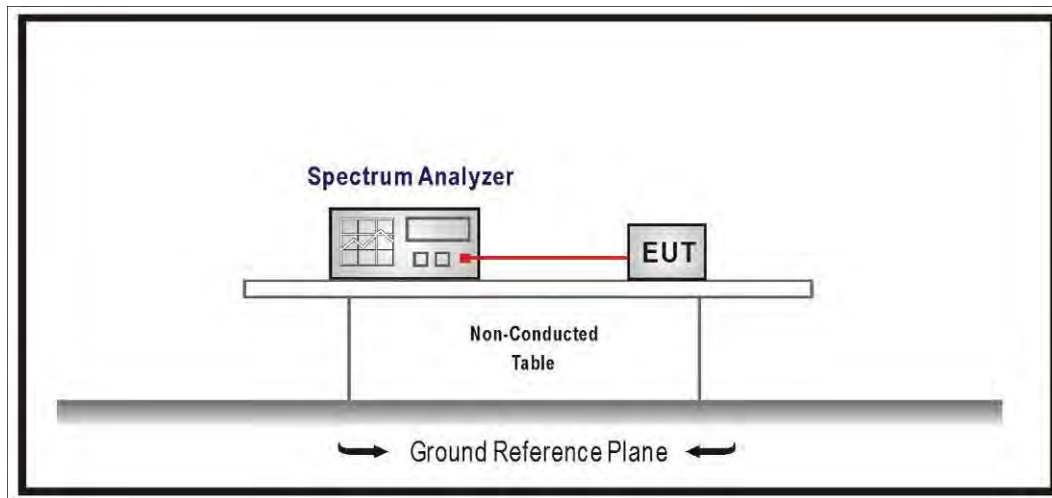
The EUT was setup to ANSI C63.10: 2013; tested according to U-NII test procedure of KDB 789033.

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

For the 5.25 ~ 5.35 GHz, 5470 ~ 5600 MHz and 5650 ~ 5725 MHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

6.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033.

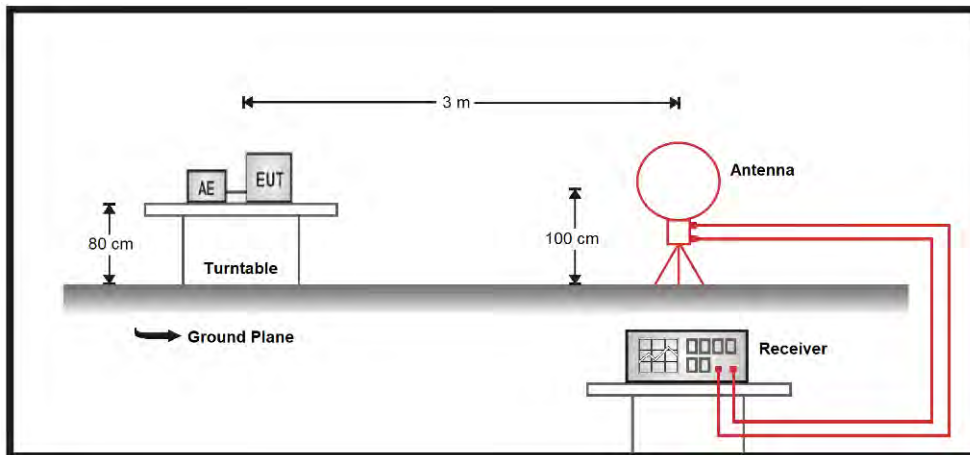
6.4. Test Result of Maximum Power Spectral Density

Refer as Appendix D

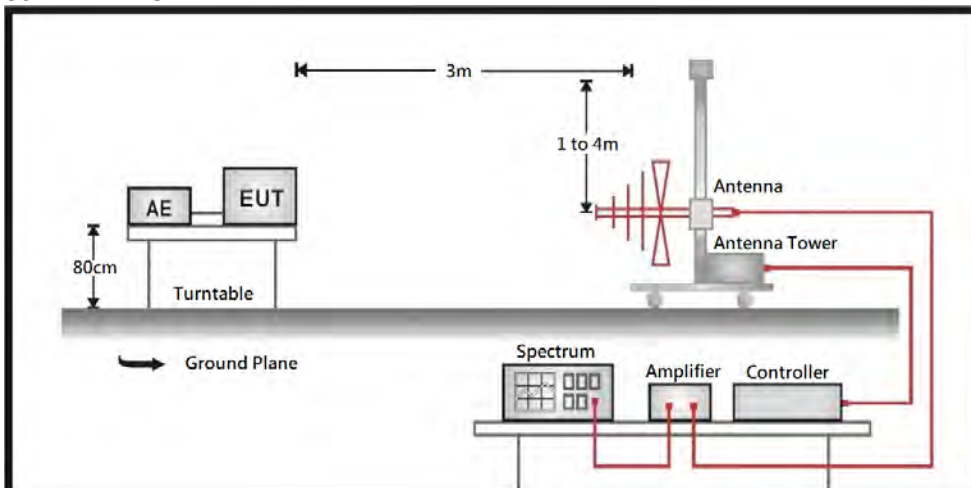
7. Transmitter Radiated Spurious Emission

7.1. Test Setup

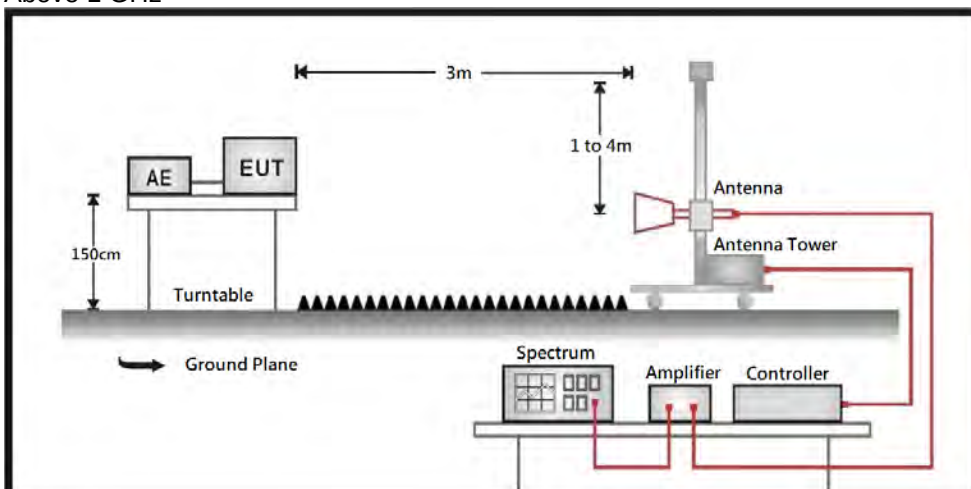
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



7.2. 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.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

Unwanted Emission out of the restricted bands Test Limit

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBuV/m@3m)
5470 – 5725	-27	68.2

Remark:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where P is the eirp (Watts).}$$

7.3. Test Procedure

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

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.

The additional latch filter below 1 GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

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

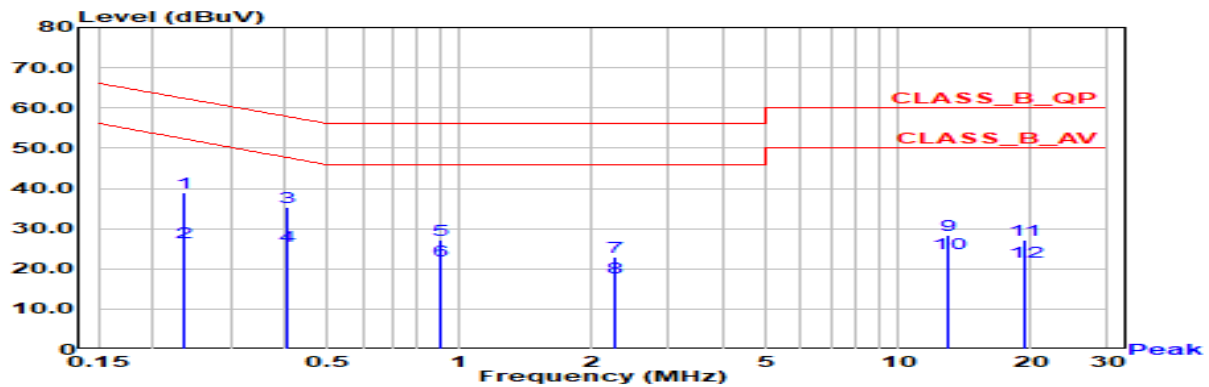
The frequency range from 9 kHz to 10th harmonics and included The frequency range from the lowest oscillator frequency generated within the device up to the 10th harmonic was checked is checked.

7.4. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix E

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode	Transmit	Phase	Line
Test Condition	802.11be (80 MHz) / Ant. 1 + Ant. 2		

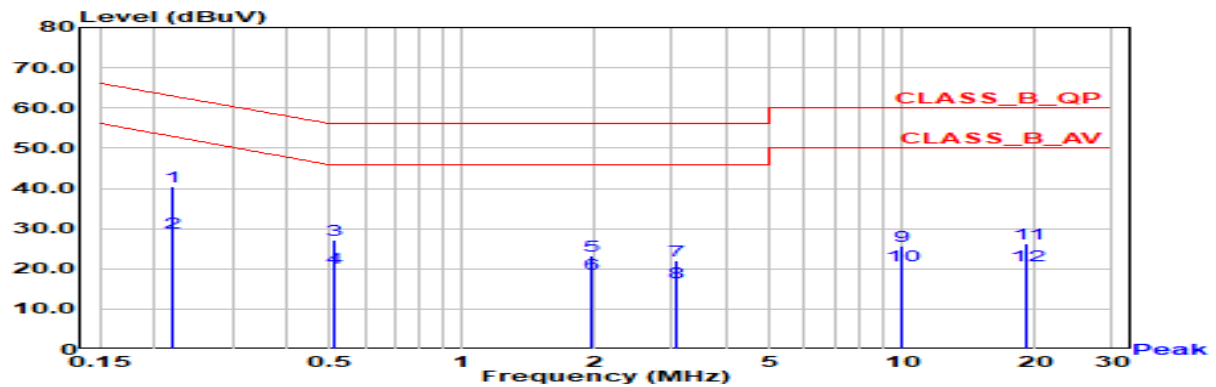


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.235	39.01	62.27	-23.26	29.34	9.67	QP
2	0.235	26.63	52.27	-25.64	16.96	9.67	AV
3	0.403	35.34	57.80	-22.45	25.67	9.67	QP
*4	0.403	25.78	47.80	-22.02	16.11	9.67	AV
5	0.907	27.03	56.00	-28.97	17.34	9.69	QP
6	0.907	22.00	46.00	-24.00	12.30	9.69	AV
7	2.261	23.01	56.00	-32.99	13.14	9.88	QP
8	2.261	17.91	46.00	-28.09	8.04	9.88	AV
9	12.919	28.45	60.00	-31.55	18.29	10.15	QP
10	12.919	23.75	50.00	-26.25	13.60	10.15	AV
11	19.441	27.21	60.00	-32.79	16.97	10.24	QP
12	19.441	21.78	50.00	-28.22	11.54	10.24	AV

Remark:

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	802.11be (80 MHz) / Ant. 1 + Ant. 2		



Remark:

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. Test Result of Emission Bandwidth

Modulation	Frequency (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% & 26dB Bandwidth
802.11a	5500	16.22	16.26	17.88	18.00	-
	5580	16.22	16.22	17.72	17.64	-
	5700	16.22	16.22	18.04	17.80	-

Modulation	Frequency (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% & 26dB Bandwidth
802.11be (20 MHz)	5500	18.74	18.70	20.04	20.04	-
	5580	18.74	18.74	20.04	19.92	-
	5700	18.78	18.78	20.12	19.96	-

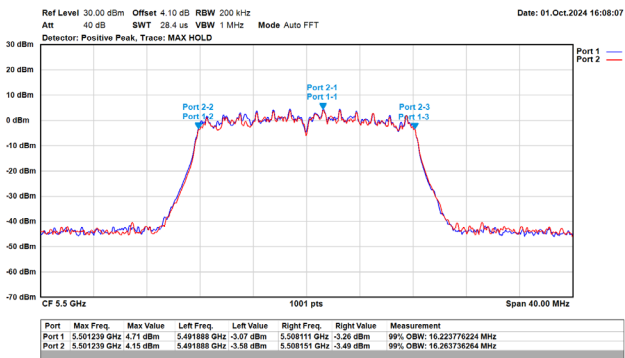
Modulation	Frequency (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% & 26dB Bandwidth
802.11be (40 MHz)	5510	37.64	37.56	39.84	39.68	-
	5550	37.64	37.64	39.76	39.52	-
	5670	37.32	37.48	39.28	39.36	-

Modulation	Frequency (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% & 26dB Bandwidth
802.11be (80 MHz)	5530	76.88	76.72	80.00	80.16	-
	5610	76.72	76.88	80.00	79.84	-

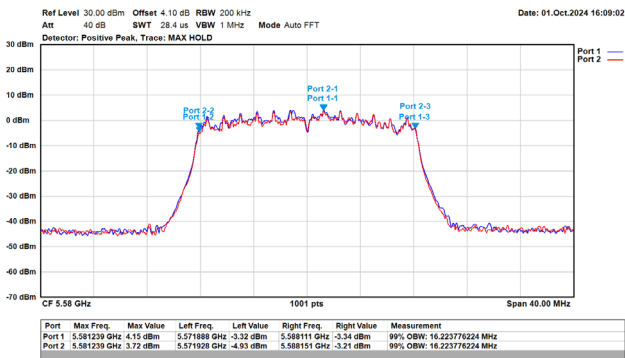
Modulation	Frequency (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		Limit (MHz)
		Ant. 1	Ant. 2	Ant. 1	Ant. 2	99% & 26dB Bandwidth
802.11be (160 MHz)	5570	154.73	153.77	161.92	161.60	-

For 99% Bandwidth:

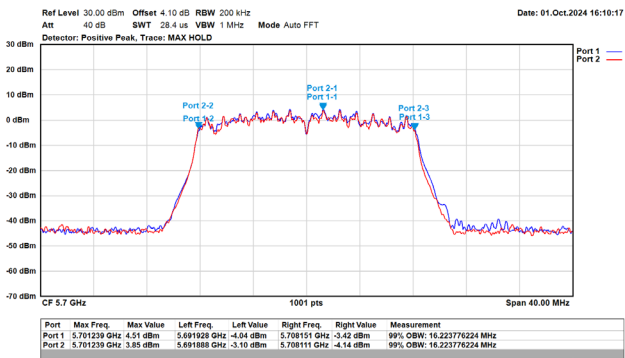
802.11a / Ant.1+Ant.2 / 6M / 5500MHz / Ch100



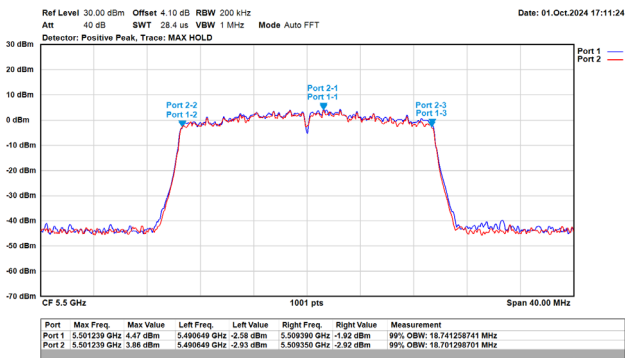
802.11a / Ant.1+Ant.2 / 6M / 5580MHz / Ch116

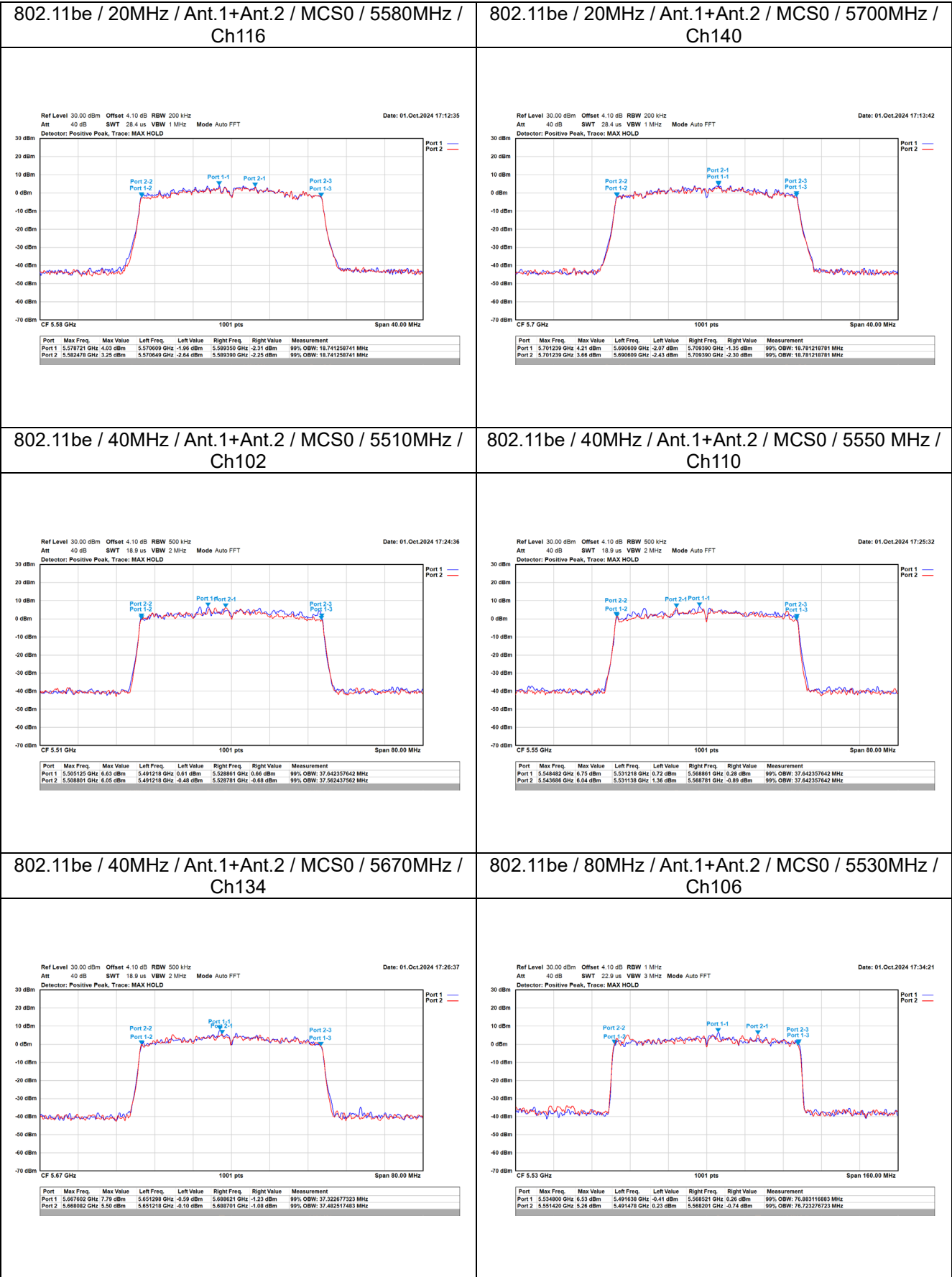


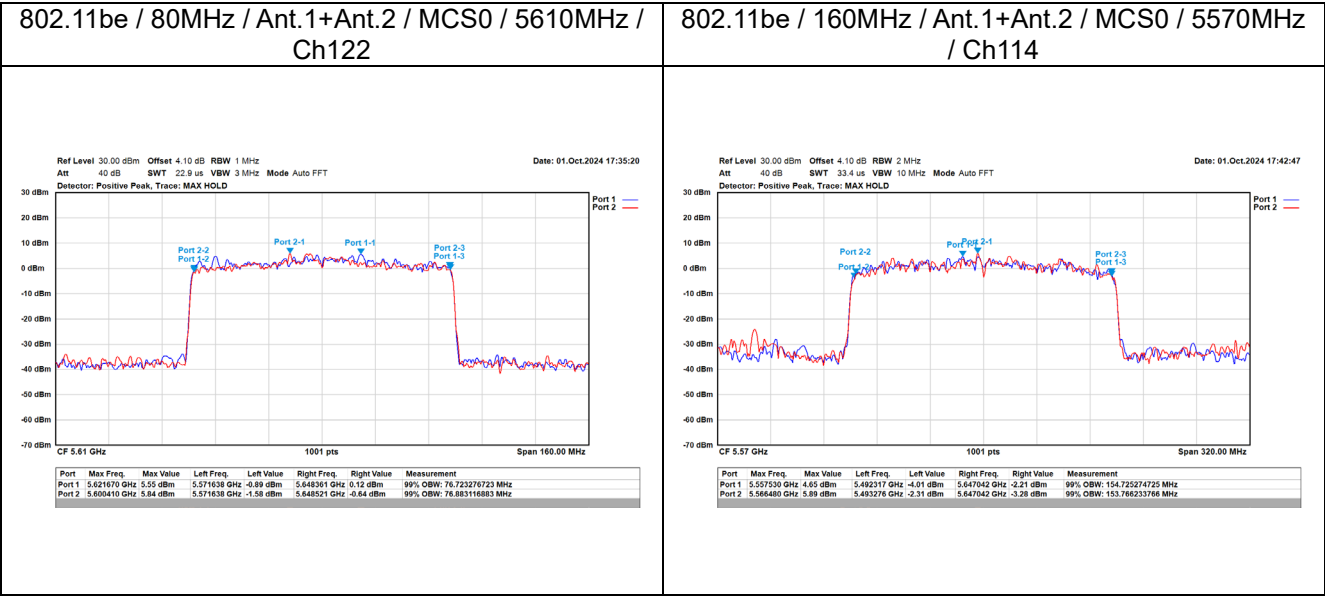
802.11a / Ant.1+Ant.2 / 6M / 5700MHz / Ch140



802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5500MHz / Ch100

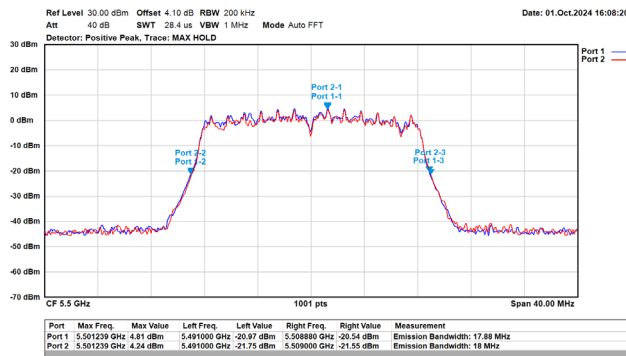




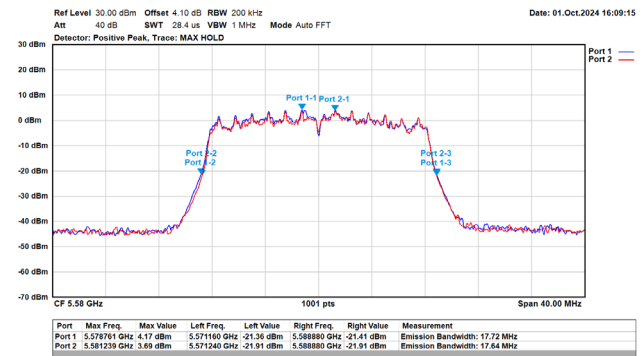


For 26dB Bandwidth:

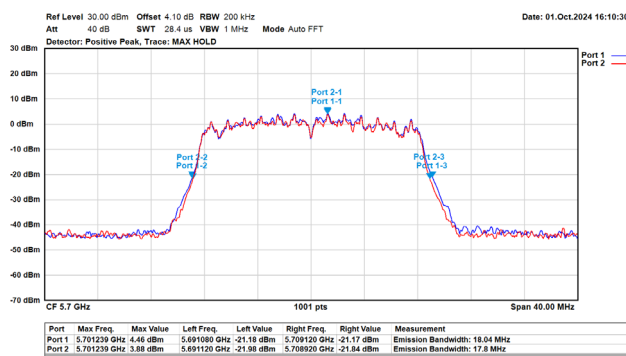
802.11a / Ant.1+Ant.2 / 6M / 5500MHz / Ch100



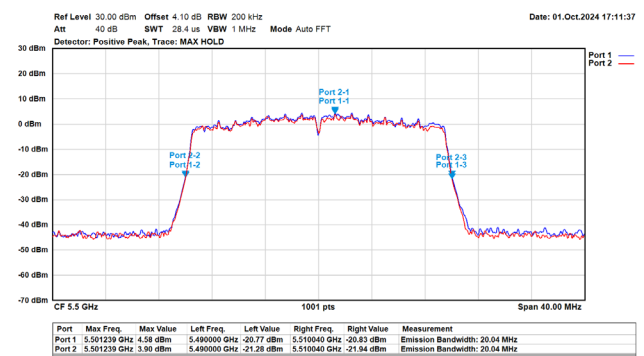
802.11a / Ant.1+Ant.2 / 6M / 5580MHz / Ch116



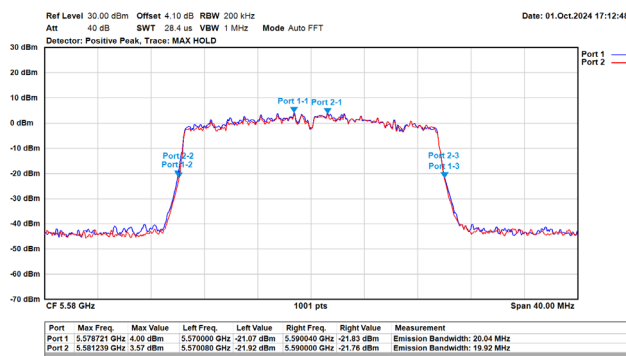
802.11a / Ant.1+Ant.2 / 6M / 5700MHz / Ch140



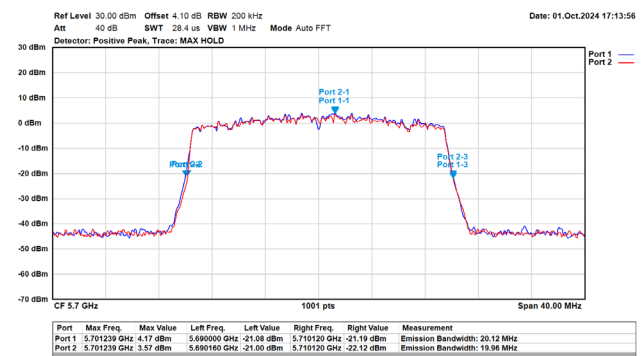
802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5500MHz / Ch100



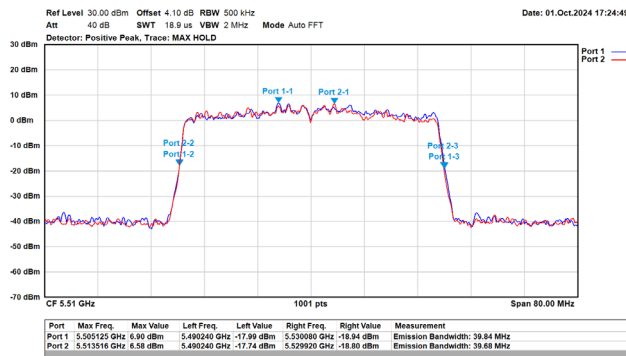
802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5580MHz / Ch116



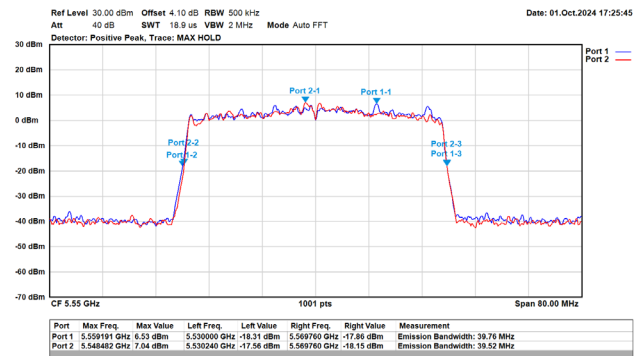
802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5700MHz / Ch140



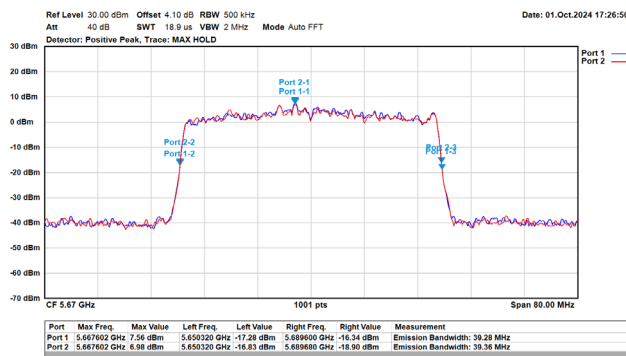
802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / 5510MHz / Ch102



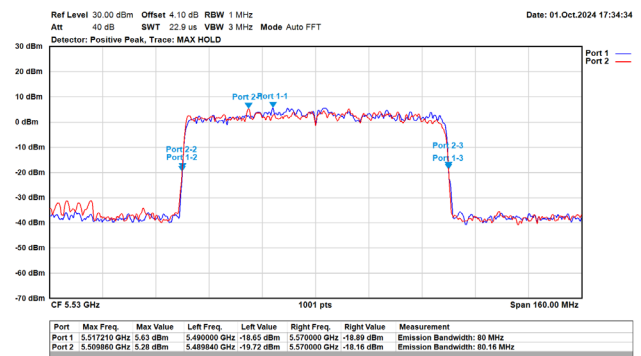
802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / 5550MHz / Ch110



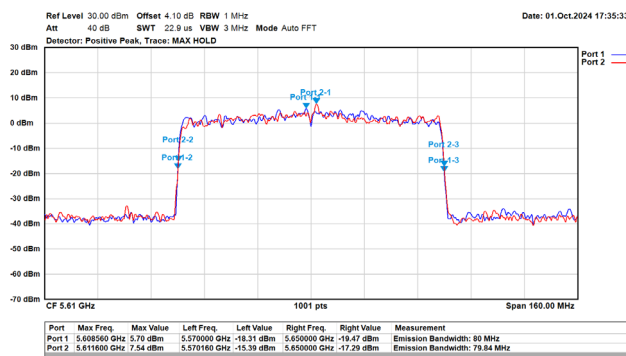
802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / 5670MHz / Ch134



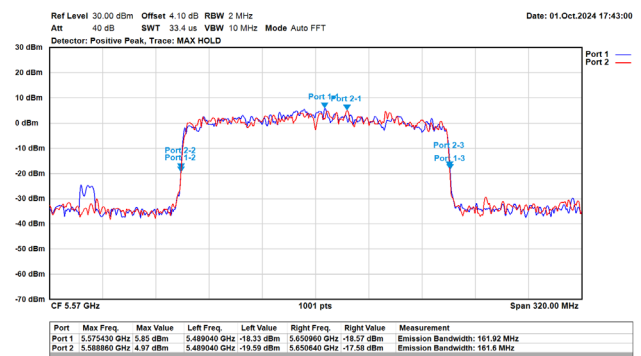
802.11be / 80MHz / Ant.1+Ant.2 / MCS0 / 5530MHz / Ch106



802.11be / 80MHz / Ant.1+Ant.2 / MCS0 / 5610MHz / Ch122



802.11be / 160MHz / Ant.1+Ant.2 / MCS0 / 5570MHz / Ch114



Appendix C. Test Result of Maximum Conducted Output Power

<2TX, NSS1 for 5GHz U-NII 2C>

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)			
		Ant. 1	Ant. 2	Total	Limit
802.11a	5500	12.770	12.480	15.638	23.524
	5580	12.840	12.630	15.747	23.465
	5700	12.770	12.660	15.726	23.504
802.11be (20 MHz)	5500	12.840	12.750	15.806	24.000
	5580	12.960	12.820	15.901	23.993
	5700	12.720	12.700	15.720	24.000
802.11be (40 MHz)	5510	12.930	12.720	15.837	24.000
	5550	12.880	12.940	15.920	24.000
	5670	12.970	12.940	15.965	24.000
802.11be (80 MHz)	5530	12.800	12.740	15.780	24.000
	5610	12.740	12.710	15.735	24.000
802.11be (160 MHz)	5570	12.930	12.880	15.915	24.000

Note: For straddle channels, the total power = conducted output power + duty factor, and the duty factor refer to section 2.3.

<2TX, NSS 2 for 5GHz U-NII 2C>

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)			
		Ant. 1	Ant. 2	Total	Limit
802.11be (20 MHz)	5500	12.900	12.710	15.816	24.000
	5580	12.520	12.420	15.481	23.993
	5700	12.890	12.800	15.856	23.984
802.11be (40 MHz)	5510	11.910	12.820	15.399	24.000
	5550	12.910	12.860	15.895	24.000
	5670	12.930	12.910	15.930	24.000
802.11be (80 MHz)	5530	12.730	12.710	15.730	24.000
	5610	12.910	12.820	15.876	24.000
802.11be (160 MHz)	5570	12.910	12.860	15.895	24.000

Appendix D. Test Result of Maximum Power Spectral Density

<2TX, NSS1>

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11a	5500	-1.19	-1.42	6.50	11.00	Pass
	5580	-2.46	-1.09	6.43	11.00	Pass
	5700	-2.73	-2.61	5.50	11.00	Pass

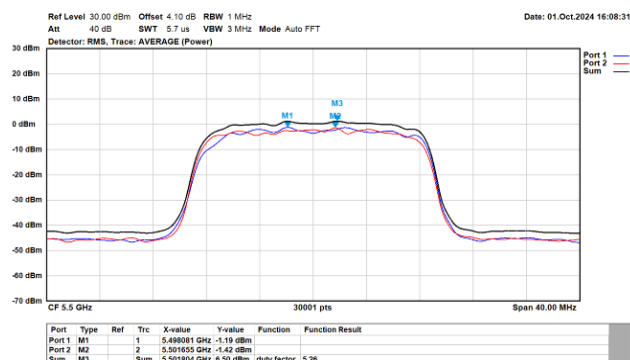
Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (20 MHz)	5500	0.89	1.23	6.14	11.00	Pass
	5580	0.74	0.83	5.86	11.00	Pass
	5700	0.51	1.59	5.86	11.00	Pass

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (40 MHz)	5510	-0.82	-0.99	4.08	11.00	Pass
	5550	-0.99	-1.31	3.17	11.00	Pass
	5670	-0.62	-2.26	3.73	11.00	Pass

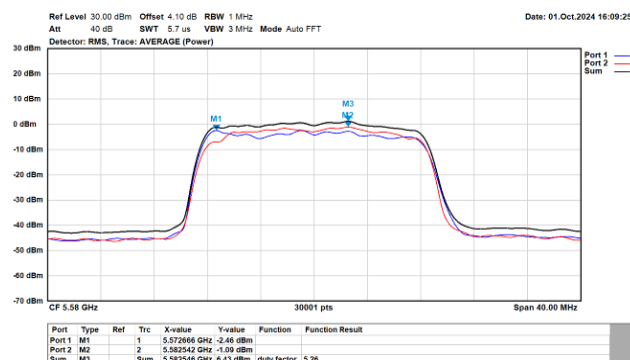
Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (80 MHz)	5530	-4.06	-5.10	0.24	11.00	Pass
	5610	-3.72	-3.37	1.17	11.00	Pass

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (160 MHz)	5570	-5.71	-5.85	-1.23	11.00	Pass

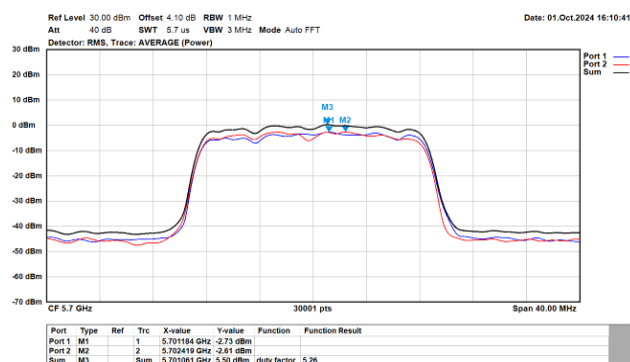
802.11a / Ant.1+Ant.2 / 6M / 5500MHz / Ch100



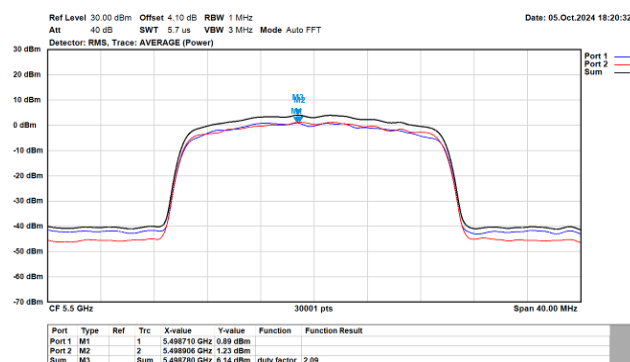
802.11a / Ant.1+Ant.2 / 6M / 5580MHz / Ch116



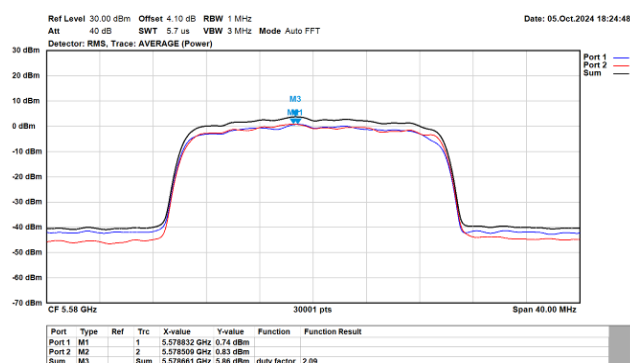
802.11a / Ant.1+Ant.2 / 6M / 5700MHz / Ch140



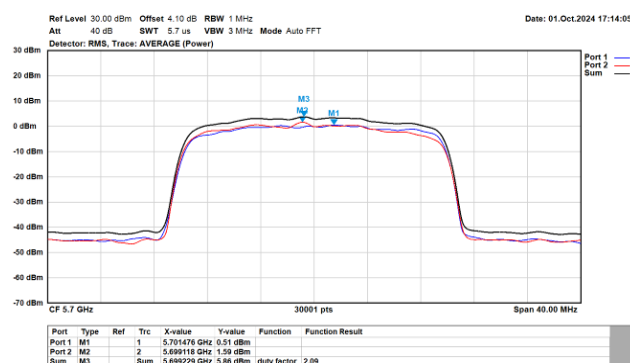
802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5500MHz / Ch100

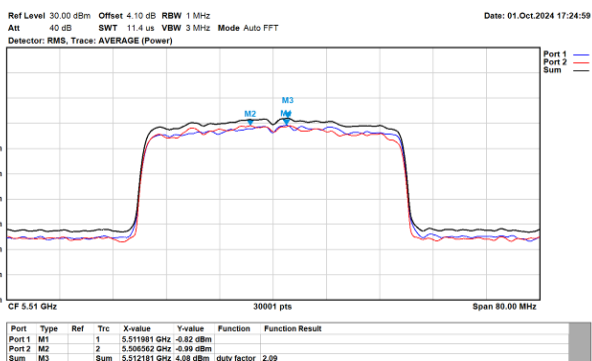
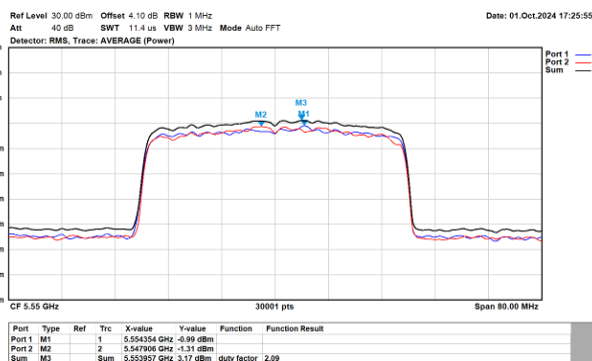
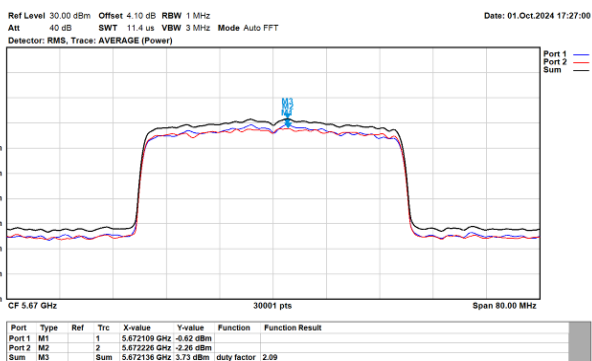
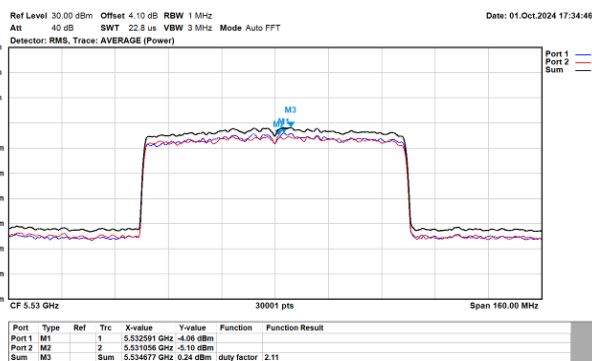
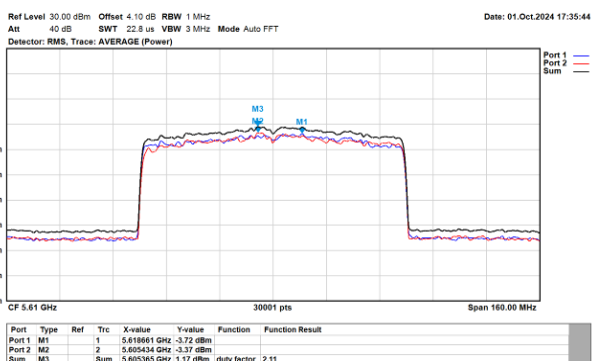
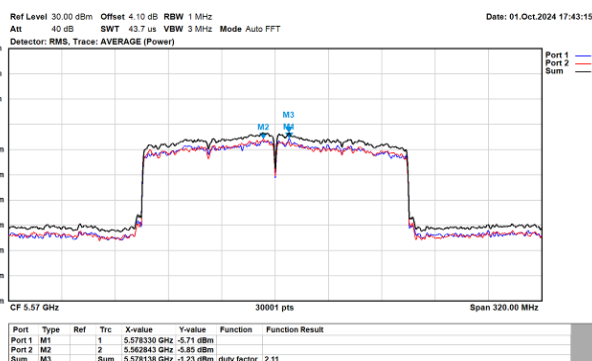


802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5580MHz / Ch116



802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5700MHz / Ch140



802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / 5510MHz /
Ch102802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / 5550MHz /
Ch110802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / 5670MHz /
Ch134802.11be / 80MHz / Ant.1+Ant.2 / MCS0 / 5530MHz /
Ch106802.11be / 80MHz / Ant.1+Ant.2 / MCS0 / 5610MHz /
Ch122802.11be / 160MHz / Ant.1+Ant.2 / MCS0 / 5570MHz /
Ch114

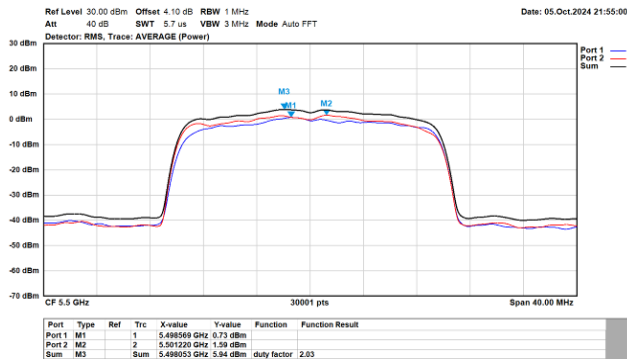
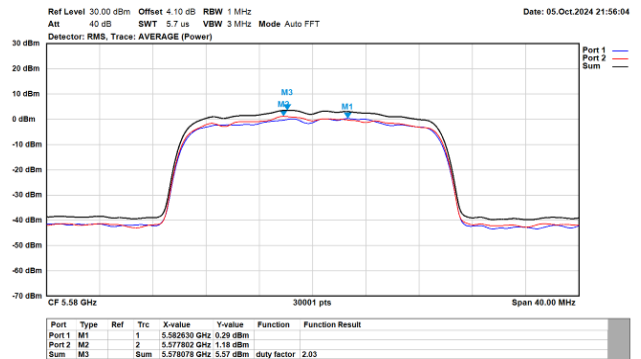
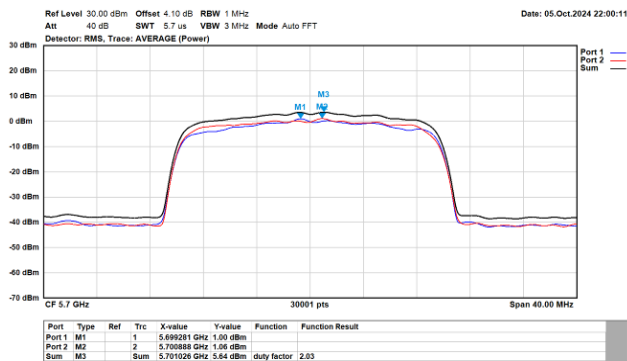
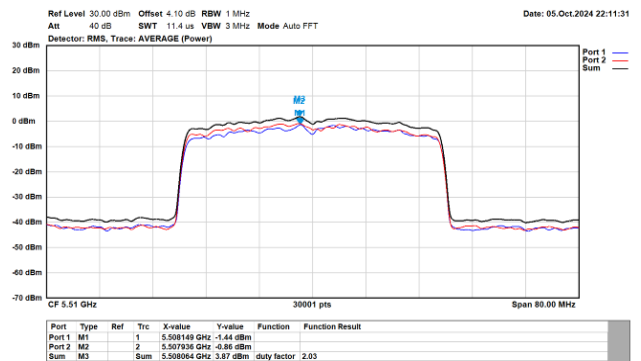
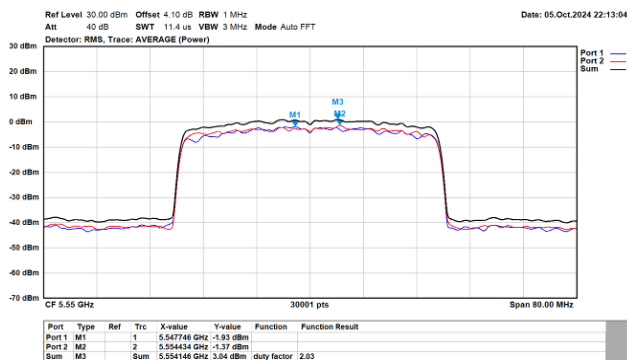
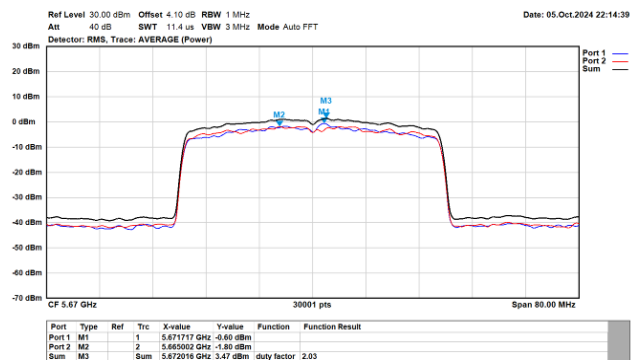
<2TX, NSS2>

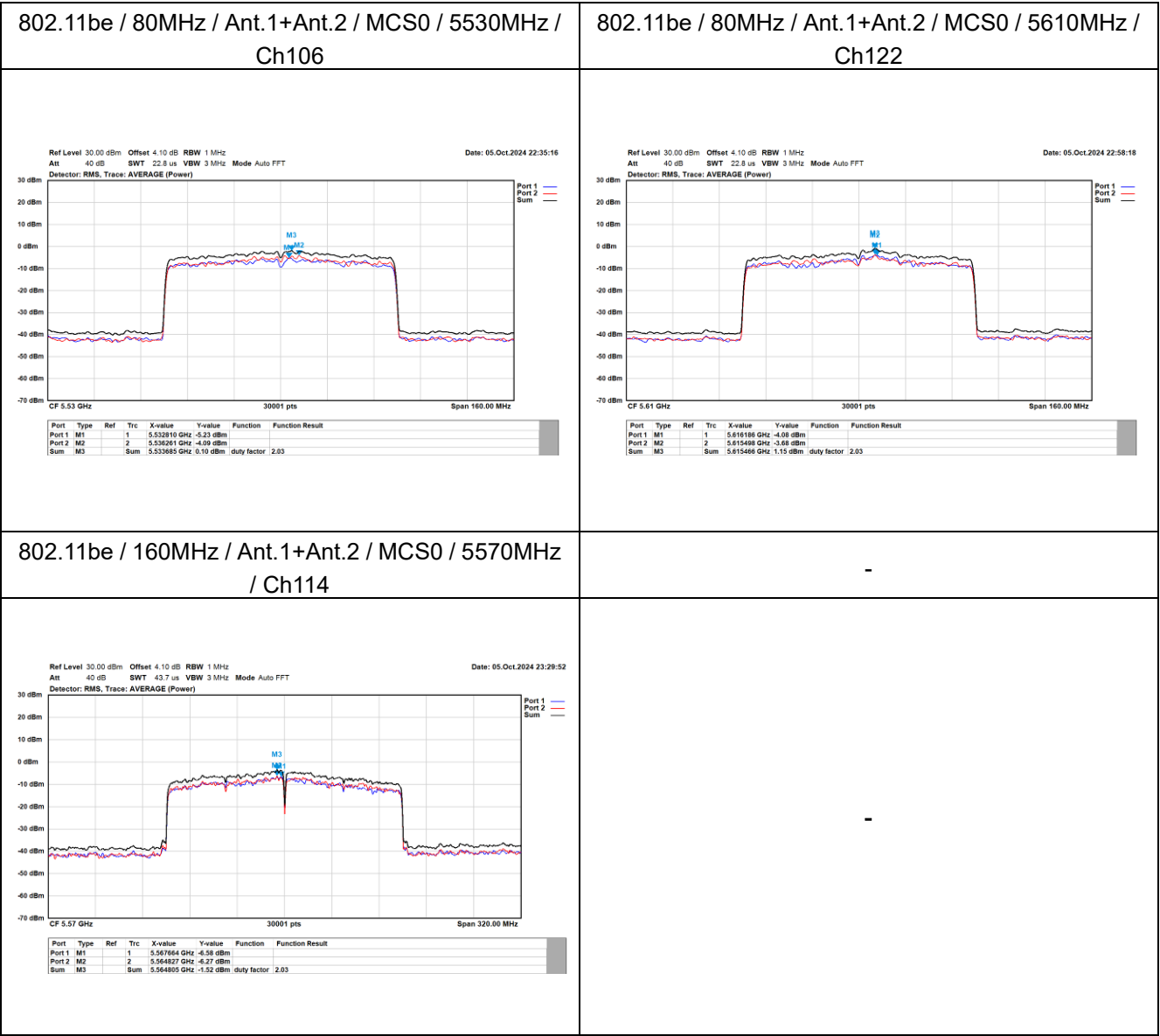
Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (20 MHz)	5500	0.73	1.59	5.94	11.00	Pass
	5580	0.29	1.18	5.57	11.00	Pass
	5700	1.00	1.06	5.64	11.00	Pass

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (40 MHz)	5510	-1.44	-0.86	3.87	11.00	Pass
	5550	-1.93	-1.37	3.04	11.00	Pass
	5670	-0.60	-1.80	3.47	11.00	Pass

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (80 MHz)	5530	-5.23	-4.09	0.10	11.00	Pass
	5610	-4.08	-3.68	1.15	11.00	Pass

Modulation	Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
		Ant. 1	Ant. 2	Total		
802.11be (160 MHz)	5570	-6.58	-6.27	-1.52	11.00	Pass

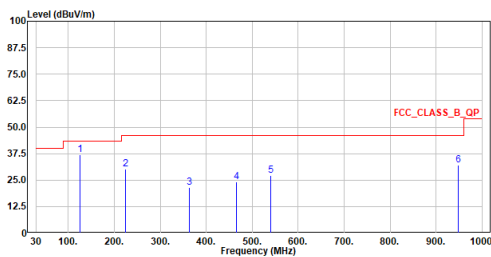
802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5500MHz / Ch100

802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5580MHz / Ch116

802.11be / 20MHz / Ant.1+Ant.2 / MCS0 / 5700MHz / Ch140

802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / MCS0 / 5510MHz / Ch102

802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / MCS0 / 5550MHz / Ch110

802.11be / 40MHz / Ant.1+Ant.2 / MCS0 / MCS0 / 5670MHz / Ch134




Appendix E. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

Site :HC-CB04
Condition :3m Horizontal
Mode :LF_be80_TX
Test By :Ling Chen

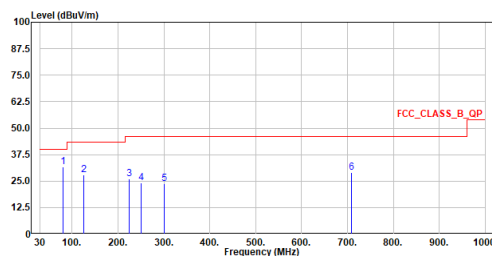


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	125.012	36.81	43.50	-6.69	41.63	-4.82	QP
2	225.019	30.08	46.00	-15.92	36.44	-6.36	QP
3	363.389	21.65	46.00	-24.35	22.67	-1.02	QP
4	465.433	24.00	46.00	-22.00	22.15	1.85	QP
5	540.657	27.03	46.00	-18.97	23.79	3.24	QP
6	948.202	32.03	46.00	-13.97	22.31	9.72	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. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :LF_be80_TX
Test By :Ling Chen



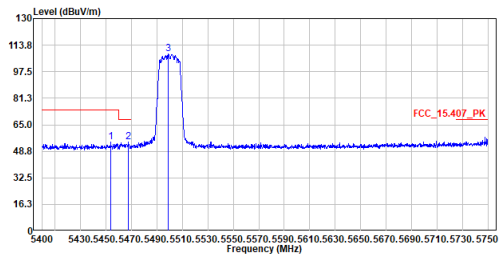
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	80.004	31.68	40.00	-8.32	38.68	-7.00	QP
2	124.963	27.75	43.50	-15.75	32.57	-4.82	QP
3	225.019	25.92	46.00	-20.08	32.28	-6.36	QP
4	249.996	24.33	46.00	-21.67	28.73	-4.40	QP
5	300.000	23.62	46.00	-22.38	26.19	-2.57	QP
6	709.049	28.90	46.00	-17.10	22.48	6.42	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. 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 :a_TX_5500MHz
Test By :Cyril Chen

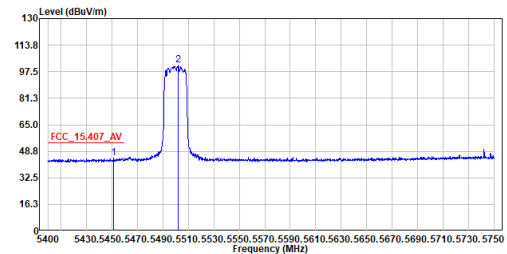


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5453.900	54.21	74.00	-19.79	32.62	21.59	Peak
2	5467.725	54.35	68.20	-13.85	32.76	21.59	Peak
3	5498.875	108.19	-----	-----	86.58	21.61	Peak

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 / 20
Mode :a_TX_5500MHz
Test By :Cyril Chen

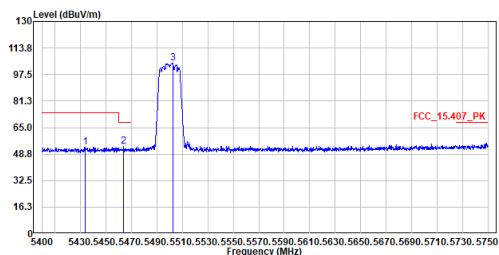


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5451.450	44.69	54.00	-9.31	23.11	21.58	Average
2	5502.200	101.37	-----	-----	79.76	21.61	Average

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 :a_TX_5500MHz
Test By :Cyril Chen

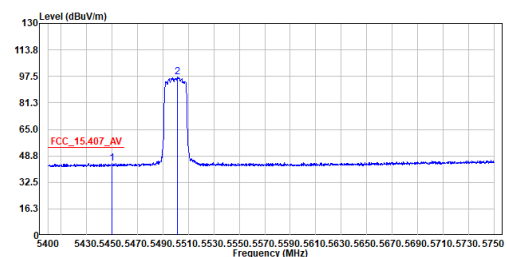


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5433.775	53.11	74.00	-20.89	31.54	21.57	Peak
2	5463.700	53.30	68.20	-14.90	31.71	21.59	Peak
3	5502.550	104.42	-----	-----	82.81	21.61	Peak

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 / 20
Mode :a_TX_5500MHz
Test By :Cyril Chen

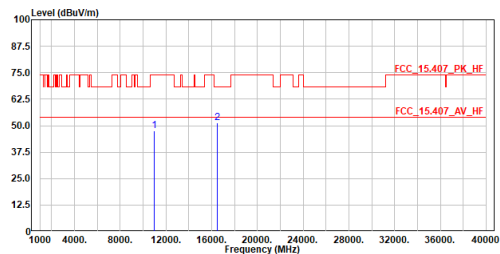


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5450.050	44.23	54.00	-9.77	22.65	21.58	Average
2	5501.675	97.13	-----	-----	75.52	21.61	Average

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 :a_TX_5500MHz
Test By :Brook Cheng

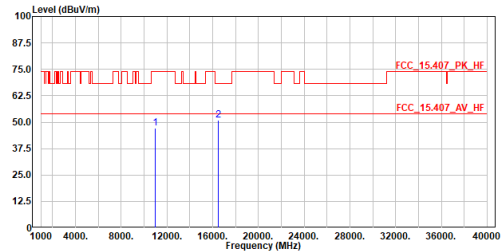


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11000.000	47.72	74.00	-26.28	54.88	-7.16	Peak
2	16500.000	51.39	68.20	-16.81	54.83	-3.44	Peak

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 :a_TX_5500MHz
Test By :Brook Cheng

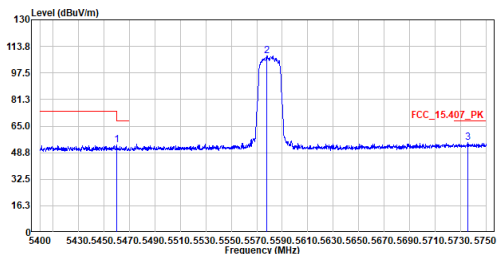


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11000.000	47.27	74.00	-26.73	54.43	-7.16	Peak
2	16500.000	50.93	68.20	-17.27	54.37	-3.44	Peak

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 :a_TX_5580MHz
Test By :Cyril Chen

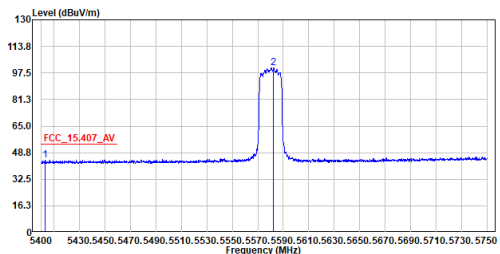


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5459.850	53.50	74.00	-20.50	31.91	21.59	Peak
2	5577.800	107.84	-----	-----	86.00	21.84	Peak
3	5736.000	54.96	68.20	-13.24	32.67	22.29	Peak

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 / 20
Mode :a_TX_5580MHz
Test By :Cyril Chen

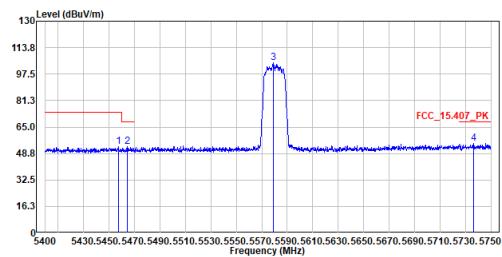


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5402.800	44.17	54.00	-9.83	22.61	21.56	Average
2	5582.350	100.54	-----	-----	78.69	21.85	Average

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 :a_TX_5580MHz
Test By :Cyril Chen

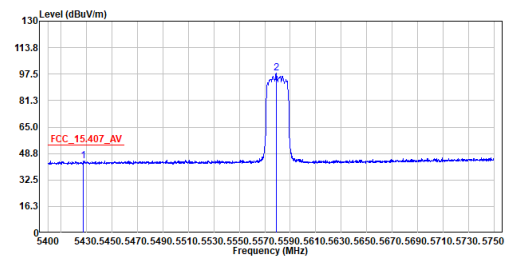


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5457.400	52.94	74.00	-21.06	31.35	21.59	Peak
2	5464.575	52.79	68.20	-15.41	31.20	21.59	Peak
3	5578.850	104.51	-----	-----	82.67	21.84	Peak
4	5736.350	54.70	68.20	-13.50	32.40	22.30	Peak

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 / 20
Mode :a_TX_5580MHz
Test By :Cyril Chen

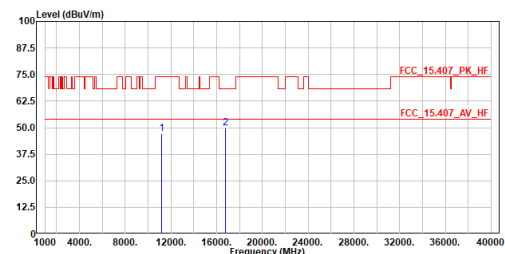


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5427.650	44.15	54.00	-9.85	22.58	21.57	Average
2	5579.025	98.21	-----	-----	76.37	21.84	Average

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 :a_TX_5580MHz
Test By :Brook Cheng

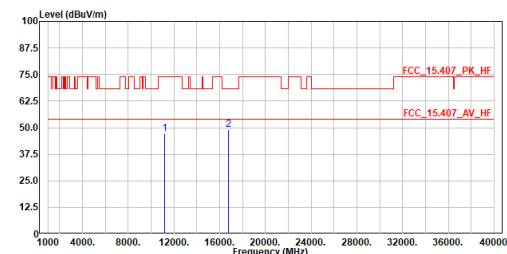


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	47.33	74.00	-26.67	54.13	-6.80	Peak
2	16740.000	49.67	68.20	-18.53	53.21	-3.54	Peak

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 :a_TX_5580MHz
Test By :Brook Cheng

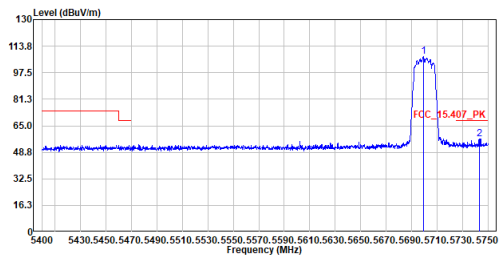


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	47.10	74.00	-26.90	53.90	-6.80	Peak
2	16740.000	48.96	68.20	-19.24	52.50	-3.54	Peak

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 :a_TX_5700MHz
Test By :Cyril Chen

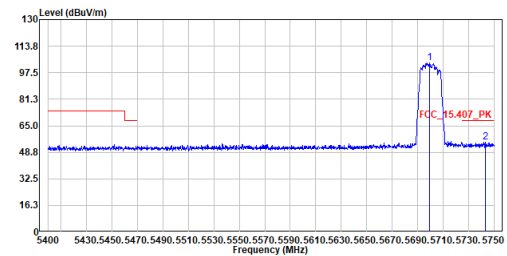


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5699.250	107.37	-----	-----	85.18	22.19	Peak
2	5743.000	57.09	68.20	-11.11	34.77	22.32	Peak

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 / 3000
Mode :a_TX_5700MHz
Test By :Cyril Chen

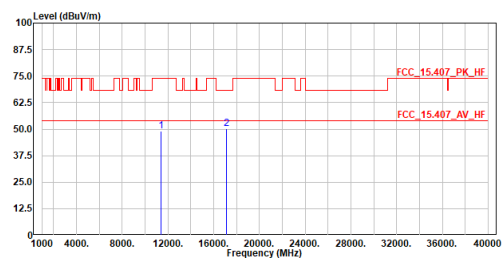


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5699.425	103.55	-----	-----	81.36	22.19	Peak
2	5743.525	54.96	68.20	-13.24	32.64	22.32	Peak

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
Mode :a_TX_5700MHz
Test By :Brook Cheng

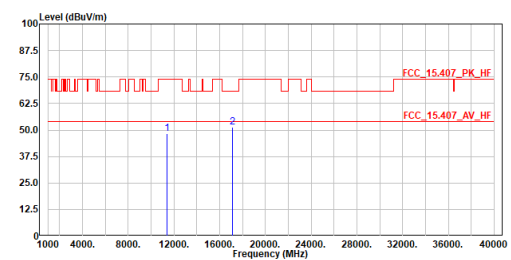


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	48.98	74.00	-25.02	55.27	-6.29	Peak
2	17100.000	50.01	68.20	-18.19	53.54	-3.53	Peak

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 :a_TX_5700MHz
Test By :Brook Cheng

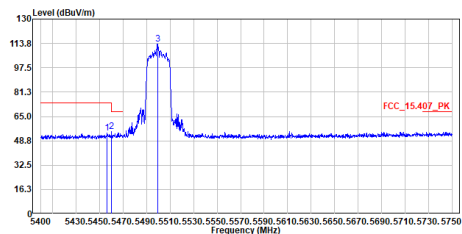


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	48.47	74.00	-25.53	54.76	-6.29	Peak
2	17100.000	51.33	68.20	-16.87	54.86	-3.53	Peak

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 :be20_TX_5500MHz
Test By :Ling Chen

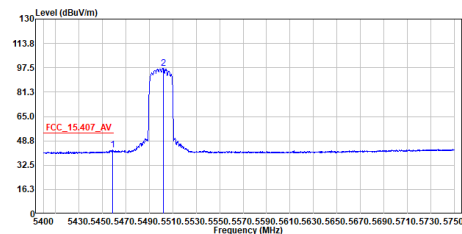


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	5456.350	53.86	74.00	-20.14	32.27	21.59	Peak
2	5468.025	54.73	68.20	-13.47	33.14	21.59	Peak
3	5499.225	113.37	-----	-----	91.76	21.61	Peak

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 / 3
Mode :be20_TX_5500MHz
Test By :Ling Chen

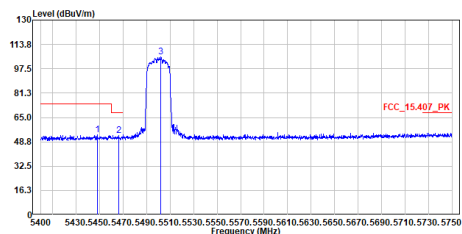


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	5458.975	42.44	54.00	-11.56	20.85	21.59	Average
2	5501.850	97.32	-----	-----	75.71	21.61	Average

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 :be20_TX_5500MHz
Test By :Ling Chen

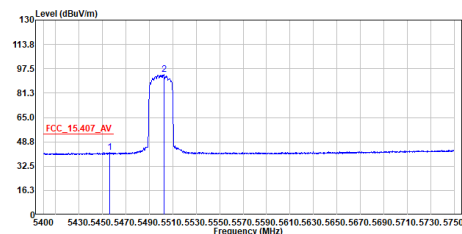


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	5447.950	53.34	74.00	-20.66	31.76	21.58	Peak
2	5466.325	52.85	68.20	-15.35	31.26	21.59	Peak
3	5502.200	105.27	-----	-----	83.66	21.61	Peak

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 / 3
Mode :be20_TX_5500MHz
Test By :Ling Chen

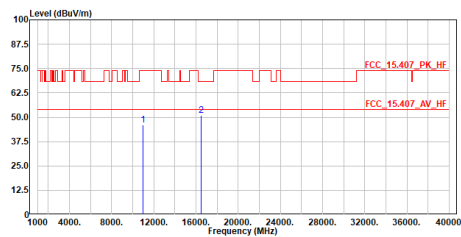


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB	
1	5456.350	41.54	54.00	-12.46	19.95	21.59	Average
2	5502.550	93.55	-----	-----	71.94	21.61	Average

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 :be20_TX_5500MHz
Test By :Brook Cheng

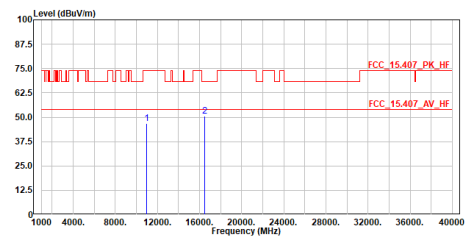


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11800.000	46.08	74.00	-27.92	53.24	-7.16	Peak
2	16500.000	51.05	68.20	-17.15	54.49	-3.44	Peak

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 :be20_TX_5500MHz
Test By :Brook Cheng

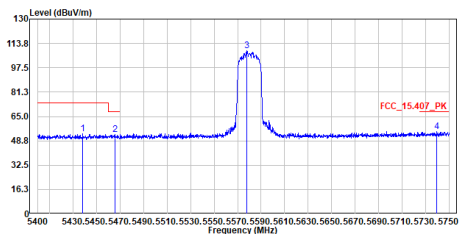


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11800.000	46.89	74.00	-27.11	54.05	-7.16	Peak
2	16500.000	50.54	68.20	-17.66	53.98	-3.44	Peak

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 :be20_TX_5500MHz
Test By :Ling Chen

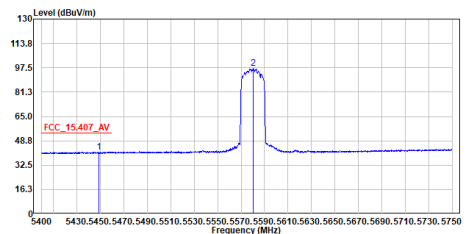


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5438.150	53.64	74.00	-20.36	32.06	21.58	Peak
2	5465.800	53.05	68.20	-15.15	31.46	21.59	Peak
3	5577.625	108.67	-----	-----	86.83	21.84	Peak
4	5739.500	55.11	68.20	-13.09	32.81	22.30	Peak

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 / 3
Mode :be20_TX_5500MHz
Test By :Ling Chen

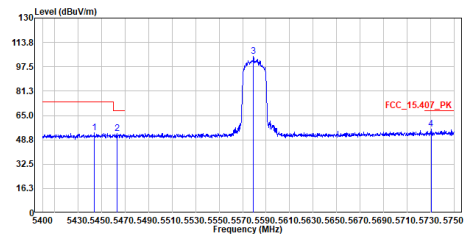


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5448.475	41.44	54.00	-12.56	19.86	21.58	Average
2	5580.425	96.95	-----	-----	75.11	21.84	Average

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 :be20_TX_5580MHz
Test By :Ling Chen

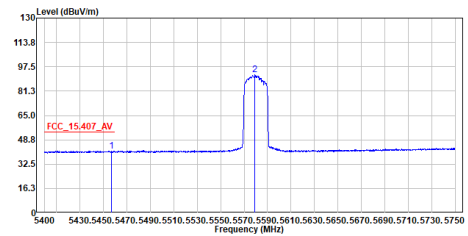


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5443.750	53.26	74.00	-20.74	31.68	21.58	Peak
2	5463.350	53.00	68.20	-15.20	31.41	21.59	Peak
3	5579.375	104.37	-----	-----	82.53	21.84	Peak
4	5730.400	55.68	68.20	-12.52	33.41	22.27	Peak

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 / 3
Mode :be20_TX_5580MHz
Test By :Ling Chen

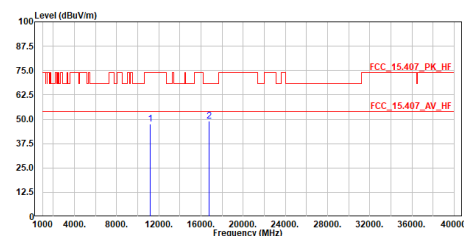


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5456.875	41.32	54.00	-12.68	19.73	21.59	Average
2	5579.375	92.20	-----	-----	70.36	21.84	Average

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 :be20_TX_5580MHz
Test By :Brook Cheng

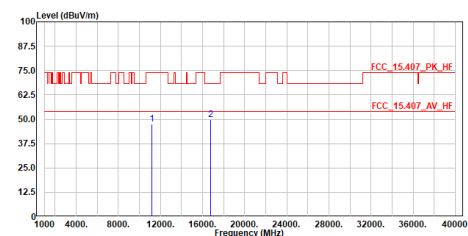


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	47.44	74.00	-26.56	54.24	-6.80	Peak
2	16740.000	49.15	68.20	-19.05	52.69	-3.54	Peak

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 :be20_TX_5580MHz
Test By :Brook Cheng

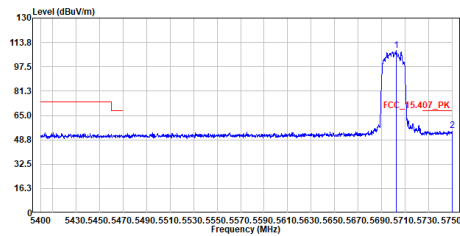


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11160.000	47.48	74.00	-26.52	54.28	-6.80	Peak
2	16740.000	49.83	68.20	-18.37	53.37	-3.54	Peak

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 :be20_TX_5700MHz
Test By :Ling Chen

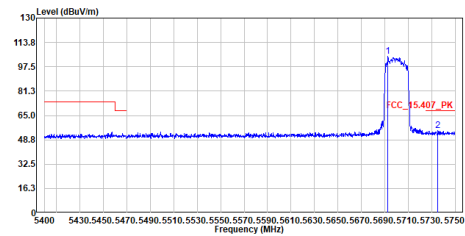


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5702.400	108.55	-----	-----	86.35	22.20	Peak
2	5750.000	54.89	68.20	-13.31	32.56	22.33	Peak

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 / 3000
Mode :be20_TX_5700MHz
Test By :Ling Chen

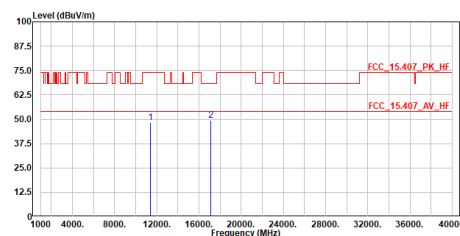


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5692.775	104.52	-----	-----	82.35	22.17	Peak
2	5735.125	54.75	68.20	-13.45	32.46	22.29	Peak

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
Mode :be20_TX_5700MHz
Test By :Brook Cheng

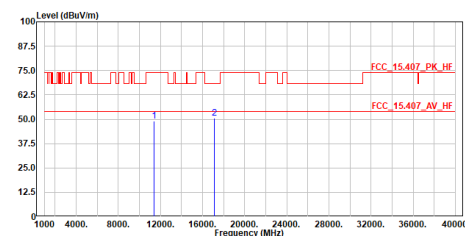


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	48.29	74.00	-25.71	54.58	-6.29	Peak
2	17100.000	49.59	68.20	-18.61	53.12	-3.53	Peak

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 :be20_TX_5700MHz
Test By :Brook Cheng

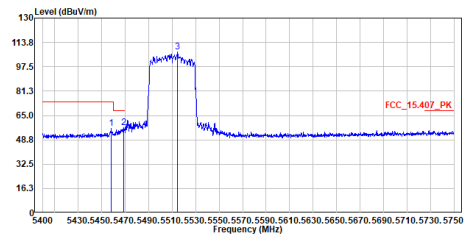


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11400.000	48.91	74.00	-25.09	55.20	-6.29	Peak
2	17100.000	50.51	68.20	-17.69	54.04	-3.53	Peak

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 :be40_TX_5510MHz
Test By :Ling Chen

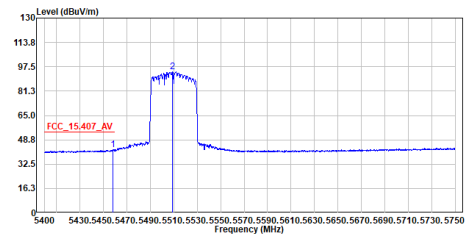


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5458.100	56.64	74.00	-17.36	35.05	21.59	Peak
2	5468.950	57.00	68.20	-11.20	35.41	21.59	Peak
3	5514.800	107.58	-----	-----	85.92	21.66	Peak

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 / 3
Mode :be40_TX_5510MHz
Test By :Ling Chen

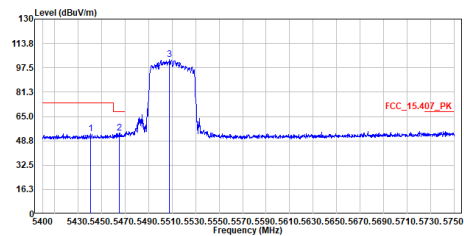


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5458.100	42.34	54.00	-11.66	20.75	21.59	Average
2	5509.025	94.09	-----	-----	72.45	21.64	Average

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 :be40_TX_5510MHz
Test By :Ling Chen

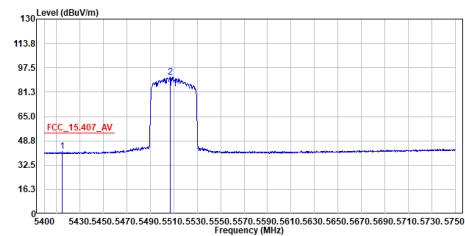


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5440.600	53.34	74.00	-20.66	31.76	21.58	Peak
2	5464.925	54.11	68.20	-14.09	32.52	21.59	Peak
3	5507.625	102.83	-----	-----	81.21	21.62	Peak

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 / 3
Mode :be40_TX_5510MHz
Test By :Ling Chen

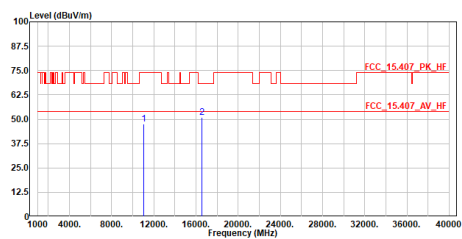


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5415.050	41.56	54.00	-12.44	20.00	21.56	Average
2	5507.275	91.20	-----	-----	69.58	21.62	Average

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 :be40_TX_5510MHz
Test By :Brook Cheng

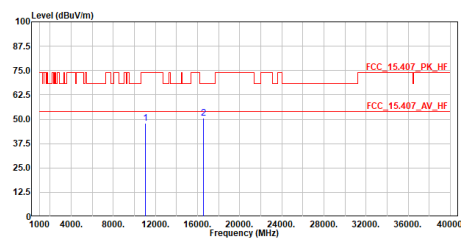


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11820.000	47.60	74.00	-26.40	54.72	-7.12	Peak
2	16530.000	50.79	68.20	-17.41	54.24	-3.45	Peak

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 :be40_TX_5510MHz
Test By :Brook Cheng

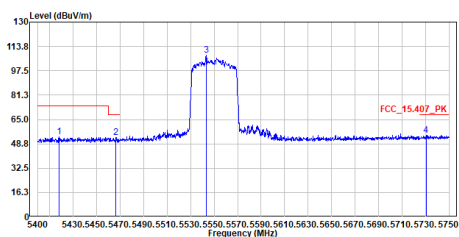


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11820.000	48.01	74.00	-25.99	55.13	-7.12	Peak
2	16530.000	50.63	68.20	-17.57	54.08	-3.45	Peak

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 :be40_TX_5550MHz
Test By :Ling Chen

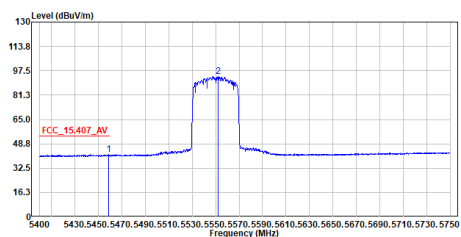


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5417.850	53.44	74.00	-20.56	31.87	21.57	Peak
2	5466.500	53.16	68.20	-15.04	31.57	21.59	Peak
3	5543.150	107.89	-----	-----	86.15	21.74	Peak
4	5730.400	54.60	68.20	-13.60	32.33	22.27	Peak

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 / 3
Mode :be40_TX_5550MHz
Test By :Ling Chen

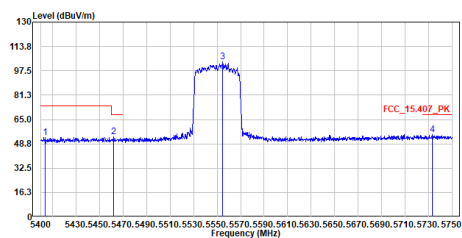


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5458.625	41.49	54.00	-12.51	19.90	21.59	Average
2	5552.250	93.90	-----	-----	72.14	21.76	Average

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.

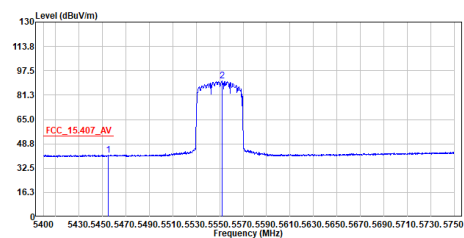
Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :be40_TX_5550MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5483.850	53.17	74.00	-20.83	31.61	21.56	Peak
2	5462.125	53.33	68.20	-14.87	31.74	21.59	Peak
3	5554.700	103.41	-----	-----	81.64	21.77	Peak
4	5733.375	54.71	68.20	-13.49	32.43	22.28	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.

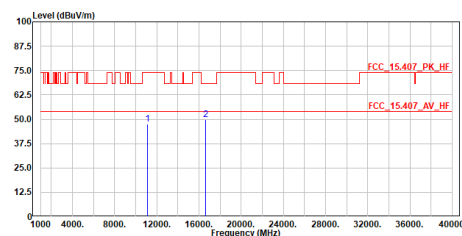
Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3
Mode :be40_TX_5550MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5455.300	41.32	54.00	-12.68	19.73	21.59	Average
2	5551.900	90.61	-----	-----	68.86	21.75	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.

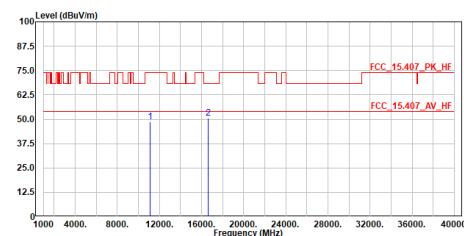
Site :HC-CB04
Condition :3m ,Horizontal
Mode :be40_TX_5550MHz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11100.000	47.48	74.00	-26.52	54.42	-6.94	Peak
2	16650.000	49.78	68.20	-18.42	53.28	-3.50	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.

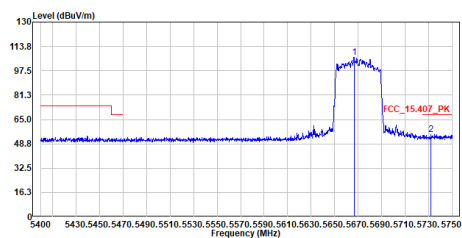
Site :HC-CB04
Condition :3m ,Vertical
Mode :be40_TX_5550MHz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11100.000	48.65	74.00	-25.35	55.59	-6.94	Peak
2	16650.000	50.71	68.20	-17.49	54.21	-3.50	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 :be40_TX_5670MHz
Test By :Ling Chen

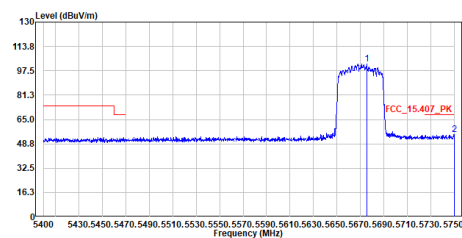


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	5666.525	106.51	68.20	-13.17	84.42	22.09	Peak
2	5732.150	55.03	68.20	-13.17	32.75	22.28	Peak

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 / 3000
Mode :be40_TX_5670MHz
Test By :Ling Chen

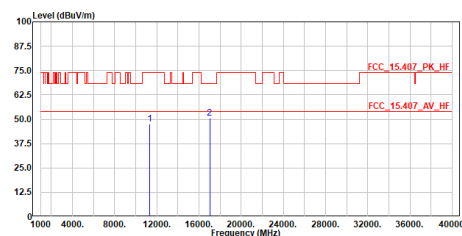


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	5675.450	102.19	68.20	-13.42	80.07	22.12	Peak
2	5749.825	54.78	68.20	-13.42	32.45	22.33	Peak

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
Mode :be40_TX_5670MHz
Test By :Brook Cheng

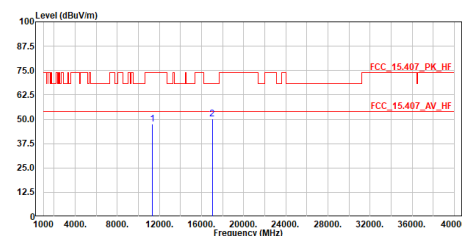


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	11340.000	47.69	74.00	-26.31	54.11	-6.42	Peak
2	17010.000	50.60	68.20	-17.60	54.25	-3.65	Peak

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
Mode :be40_TX_5670MHz
Test By :Brook Cheng

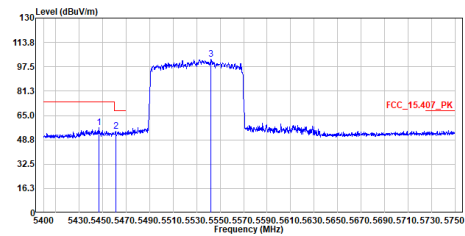


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	11340.000	47.73	74.00	-26.27	54.15	-6.42	Peak
2	17010.000	50.34	68.20	-17.86	53.99	-3.65	Peak

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 / 3000
Mode :be80_TX_5530MHz
Test By :Ling Chen

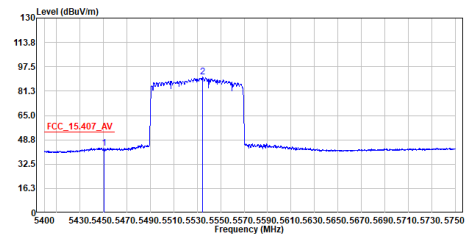


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5447.075	56.83	74.00	-17.17	35.25	21.58	Peak
2	5461.075	54.67	68.20	-13.53	33.88	21.59	Peak
3	5542.275	102.61	-----	-----	80.87	21.74	Peak

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 / 3
Mode :be80_TX_5530MHz
Test By :Ling Chen

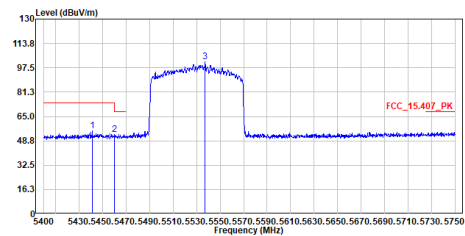


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5450.925	43.29	54.00	-10.71	21.71	21.58	Average
2	5534.575	90.65	-----	-----	68.94	21.71	Average

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 :be80_TX_5530MHz
Test By :Ling Chen

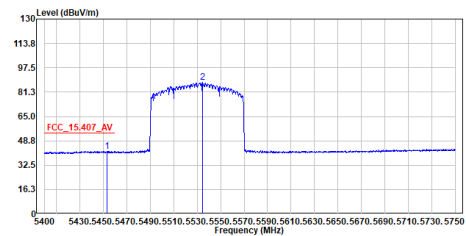


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5441.300	55.31	74.00	-18.69	33.73	21.58	Peak
2	5460.025	53.01	68.20	-15.19	31.42	21.59	Peak
3	5537.200	101.42	-----	-----	79.70	21.72	Peak

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 / 3
Mode :be80_TX_5530MHz
Test By :Ling Chen

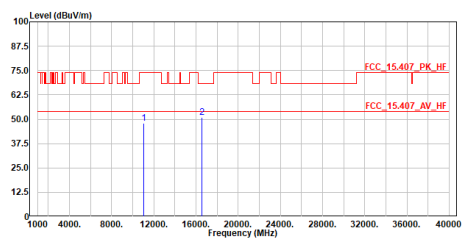


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5453.025	41.85	54.00	-12.15	20.27	21.58	Average
2	5534.400	87.68	-----	-----	65.97	21.71	Average

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 :be80_TX_5530MHz
Test By :Brook Cheng

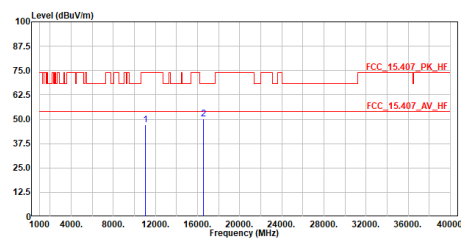


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11860.000	47.78	74.00	-26.22	54.81	-7.03	Peak
2	16590.000	50.97	68.20	-17.23	54.44	-3.47	Peak

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
Mode :be80_TX_5530MHz
Test By :Brook Cheng

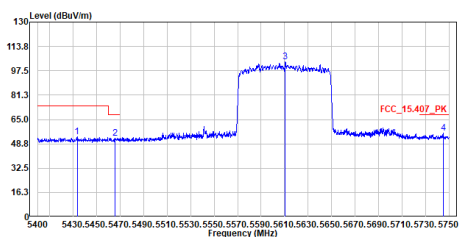


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11860.000	47.17	74.00	-26.83	54.20	-7.03	Peak
2	16590.000	50.13	68.20	-18.07	53.60	-3.47	Peak

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 / 3000
Mode :be80_TX_5610MHz
Test By :Ling Chen

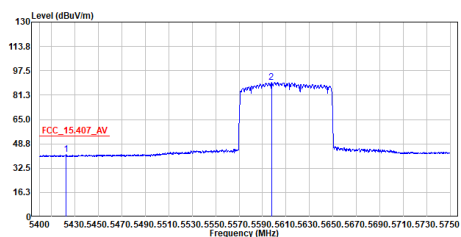


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5433.425	53.51	74.00	-20.49	31.94	21.57	Peak
2	5465.800	52.65	68.20	-15.55	31.06	21.59	Peak
3	5610.700	103.34	-----	-----	81.41	21.93	Peak
4	5744.925	55.97	68.20	-12.23	33.65	22.32	Peak

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 / 3
Mode :be80_TX_5610MHz
Test By :Ling Chen

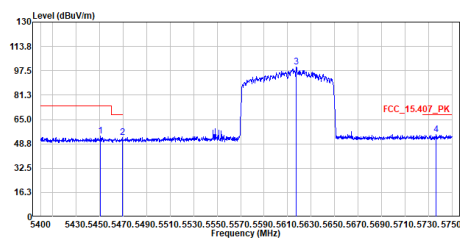


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5422.750	41.46	54.00	-12.54	19.89	21.57	Average
2	5597.575	89.61	-----	-----	67.71	21.90	Average

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 :be80_TX_5610MHz
Test By :Ling Chen

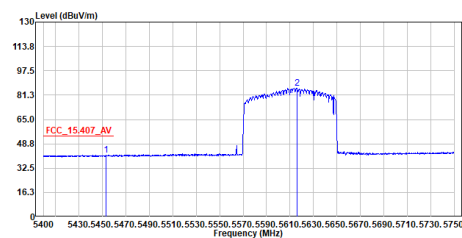


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5450.925	53.72	74.00	-20.28	32.14	21.58	Peak
2	5469.300	52.86	68.20	-15.34	31.27	21.59	Peak
3	5617.525	99.96	-----	-----	78.01	21.95	Peak
4	5736.525	54.90	68.20	-13.30	32.60	22.30	Peak

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 / 3
Mode :be80_TX_5610MHz
Test By :Ling Chen

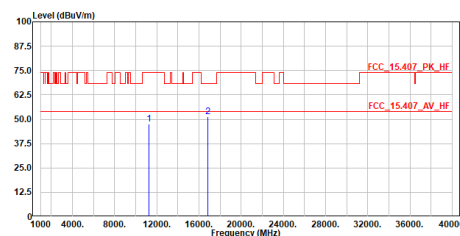


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5453.375	41.37	54.00	-12.63	19.79	21.58	Average
2	5615.775	86.07	-----	-----	64.12	21.95	Average

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 :be80_TX_5610MHz
Test By :Brook Cheng

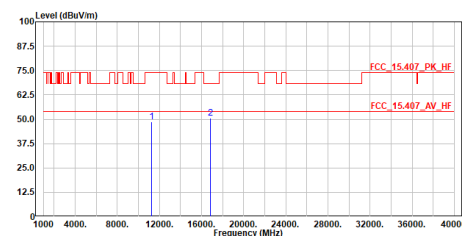


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11220.000	47.63	74.00	-26.37	54.31	-6.68	Peak
2	16830.000	51.40	68.20	-16.80	54.97	-3.57	Peak

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 :be80_TX_5610MHz
Test By :Brook Cheng

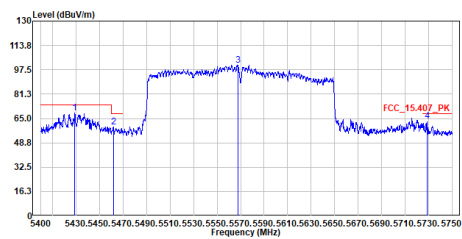


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11220.000	48.68	74.00	-25.32	55.36	-6.68	Peak
2	16830.000	50.45	68.20	-17.75	54.02	-3.57	Peak

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 :be160_TX_5570MHz
Test By :Ling Chen

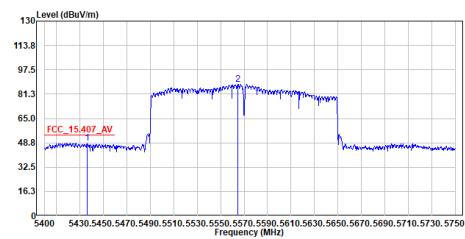


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5428.875	68.47	74.00	-5.53	46.90	21.57	Peak
2	5461.950	59.13	68.20	-9.07	37.54	21.59	Peak
3	5567.825	100.48	-----	-----	78.68	21.80	Peak
4	5728.825	63.49	68.20	-4.71	41.22	22.27	Peak

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 / 3
Mode :be160_TX_5570MHz
Test By :Ling Chen

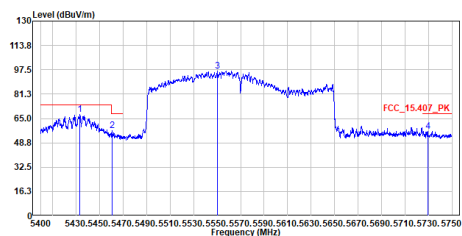


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5436.225	48.60	54.00	-5.40	27.02	21.58	Average
2	5564.850	87.90	-----	-----	66.10	21.80	Average

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 :be160_TX_5570MHz
Test By :Ling Chen

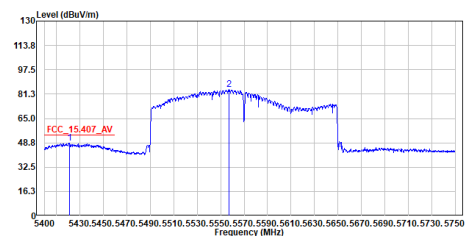


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5433.075	67.90	74.00	-6.10	46.33	21.57	Peak
2	5460.550	56.81	68.20	-11.39	35.22	21.59	Peak
3	5549.975	96.86	-----	-----	75.11	21.75	Peak
4	5729.175	56.55	68.20	-11.65	34.28	22.27	Peak

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 / 3
Mode :be160_TX_5570MHz
Test By :Ling Chen

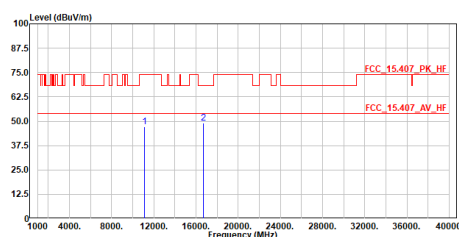


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5421.175	48.46	54.00	-5.54	26.89	21.57	Average
2	5557.325	84.33	-----	-----	62.55	21.78	Average

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 :be160_TX_5570MHz
Test By :Brook Cheng

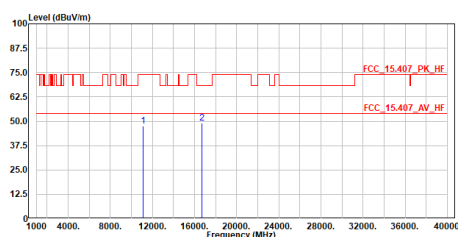


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11140.000	47.21	74.00	-26.79	54.06	-6.85	Peak
2	16710.000	48.97	68.20	-19.23	52.50	-3.53	Peak

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 :be160_TX_5570MHz
Test By :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11140.000	47.48	74.00	-26.52	54.33	-6.85	Peak
2	16710.000	49.03	68.20	-19.17	52.56	-3.53	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.