FCC RF Test Report

APPLICANT	:	**Amazon.com Services LLC**
EQUIPMENT	:	**Electronic Display Device**
MODEL NAME	:	**C2V2L3**
FCC ID	:	**2A4DH-4832**
STANDARD	:	**FCC Part 15 Subpart C §15.247**
CLASSIFICATION	:	**(DTS) Digital Transmission System**
TEST DATE(S)	:	**Jan. 21, 2022 ~ Jun. 01, 2022**

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR1O2129-01C	Rev. 01	Initial issue of report	Mar. 18, 2022
FR1O2129-01C	Rev. 02	Update Conducted Emission test mode and test data	Jun. 15, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.1	-	99% Bandwidth	-	Report Only	-
3.2	15.247(b)	Power Output Measurement	≤ 30dBm	Pass	-
3.3	15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
3.4	15.247(d)	Conducted Band Edges	≤ 30dBc	Pass	-
		Conducted Spurious Emission		Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.32 dB at 2484.040 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 17.94 dB at 0.191 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	15.203 & 15.247(b)	Pass	-
Remark: Not required means after assessing, test items are not necessary to carry out.					

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits.
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.

1 General Description

1.1 Applicant

Amazon.com Services LLC
410 Terry Avenue N, Seattle, WA 98109-5210, United States

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Electronic Display Device
Model Name	C2V2L3
FCC ID	2A4DH-4832

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2472 MHz
Maximum (Average) Output Power to antenna	802.11b : 16.10dBm (0.0407 W) 802.11g : 14.70dBm (0.0295 W) 802.11n HT20 : 14.60dBm (0.0288 W)
99% Occupied Bandwidth	802.11b : 12.84MHz 802.11g : 16.78MHz 802.11n HT20 : 17.78MHz
Antenna Type / Gain	PIFA Antenna type with gain 3.72dBi
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO02-SZ 03CH02-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a
2.	CO02-SZ	Rohde&Schwarz	EMC32	10.60.0.0

1.7 Applicable Standards

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

- 47 CFR Part 15 Subpart C §15.247
- FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	13	2472
	7	2442		

2.2 Test Mode

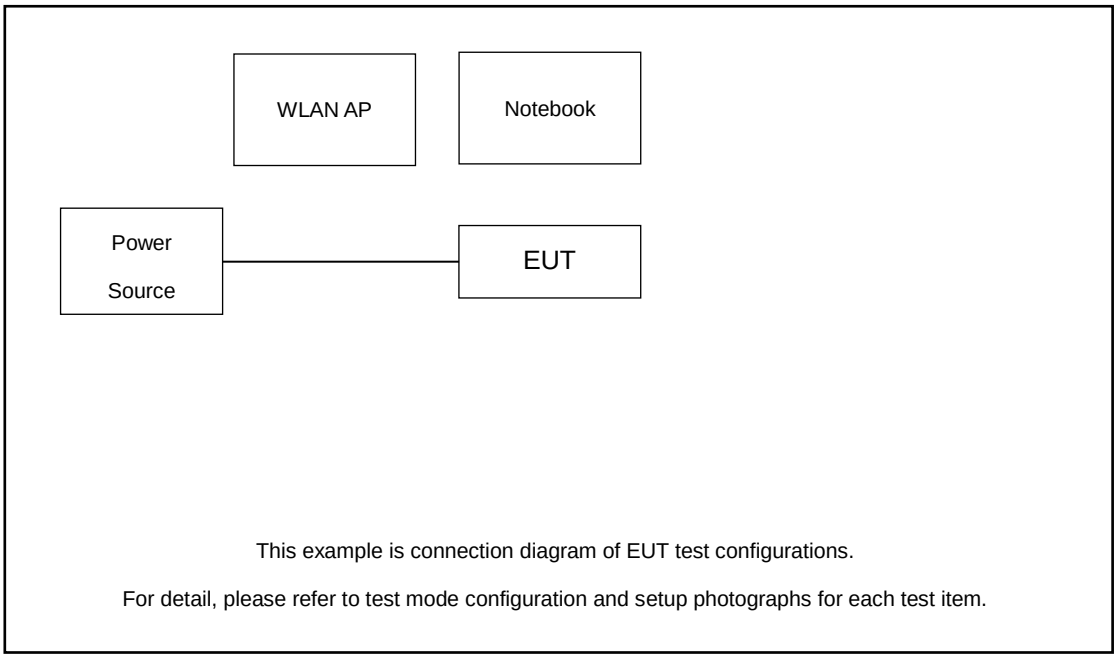
Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11b	**1 Mbps**
802.11g	**6 Mbps**
802.11n HT20	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 :All Stress (CPU/Display/EMMC/Display Page Turn/Front Light) + WLAN Link (2.4G) + Charging from Adapter via USB-C + Battery

2.3 Connection Diagram of Test System

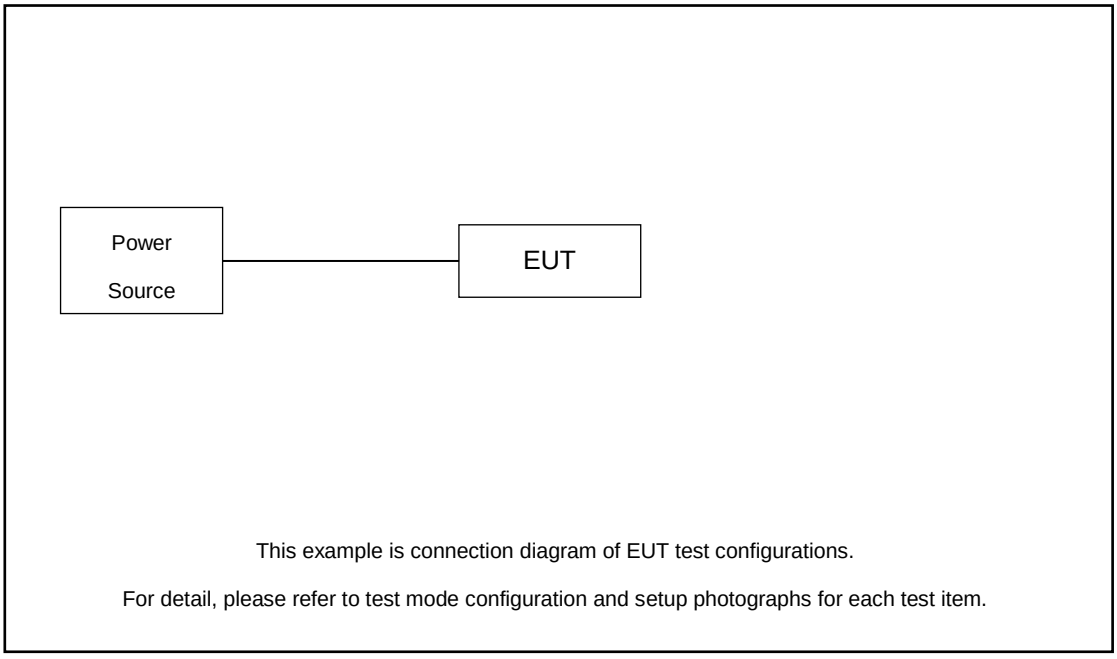
For Conducted Emission:



This example is connection diagram of EUT test configurations.

For detail, please refer to test mode configuration and setup photographs for each test item.

For Radiated Emission:



This example is connection diagram of EUT test configurations.

For detail, please refer to test mode configuration and setup photographs for each test item.

2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Router	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
2.	Notebook	DELL	Inspiron 15-7570	Fcc DoC	N/A	shielded cable DC O/P 1.8m Unshielded AC I/P cable 1.8m
3.	AC Adapter	N/A	PS57CP	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the router under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 1.5 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 1.5 + 10 = 11.5 (dB)

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

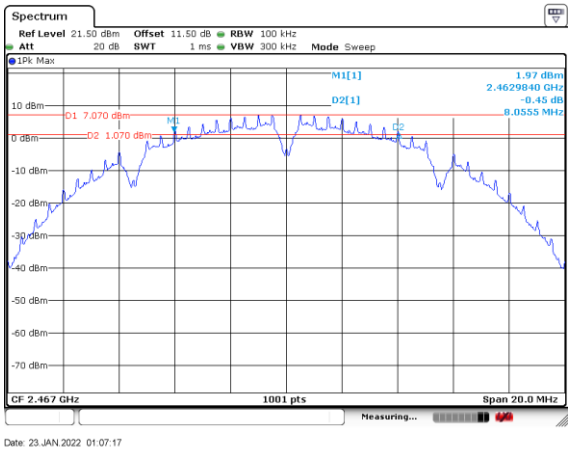
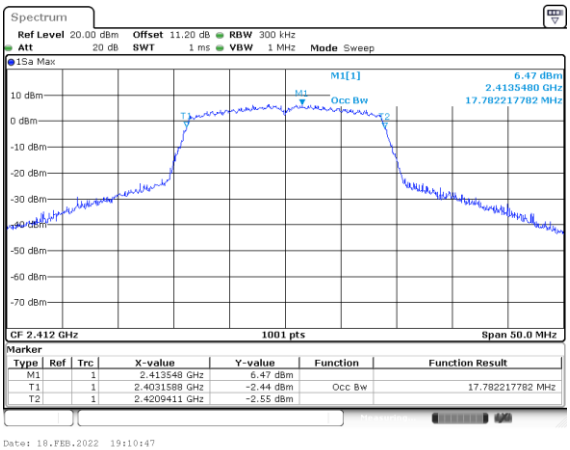
3.1.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.8
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1MHz and set the Video bandwidth (VBW) = 3MHz.
6. Measure and record the results in the test report.

3.1.4 Test Setup

3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.

Minimum 6dB Bandwidth	Maximum 99% Occupied Bandwidth
	

Note : The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is used, the output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

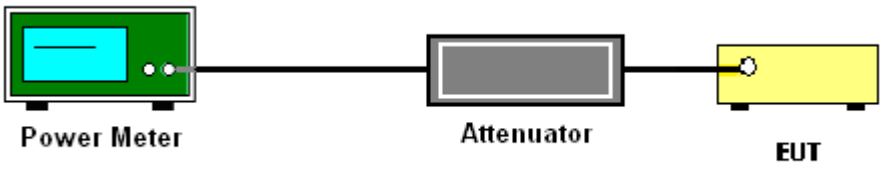
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.2.3.2 Method AVGPM-G method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

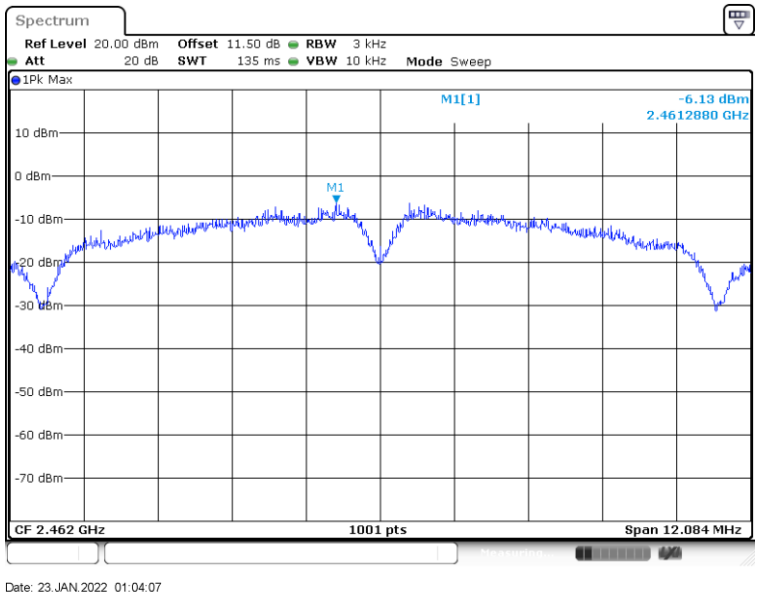
1. The testing follows Measurement Procedure of ANSI C63.10-2013 clause 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/3kHz)



3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

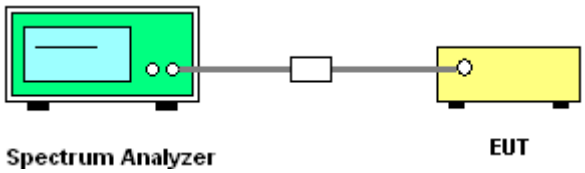
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.13
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup

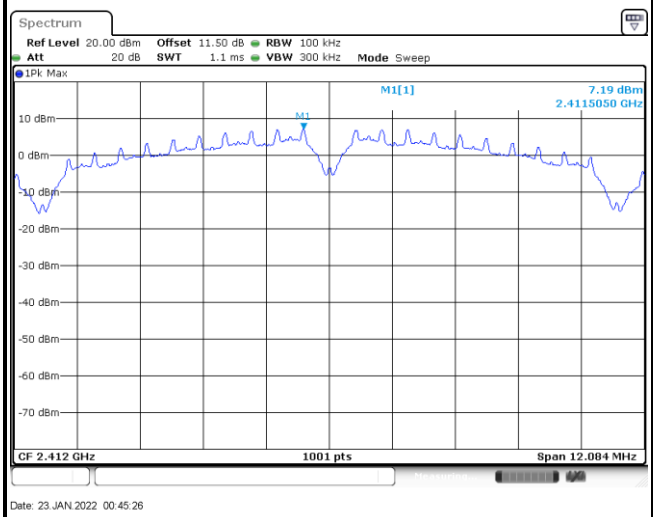


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

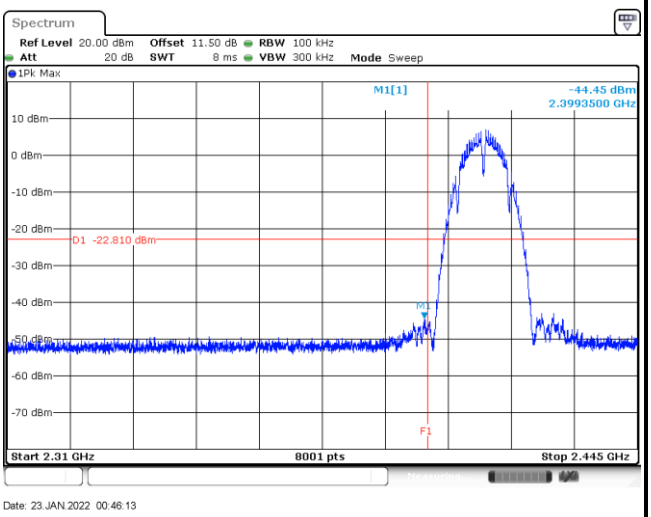
Test Engineer :	Zhang Xue Yi	**Temperature :**	21~25℃
		Relative Humidity :	51~54%

Test Mode :	802.11b	**Test Channel :**	01

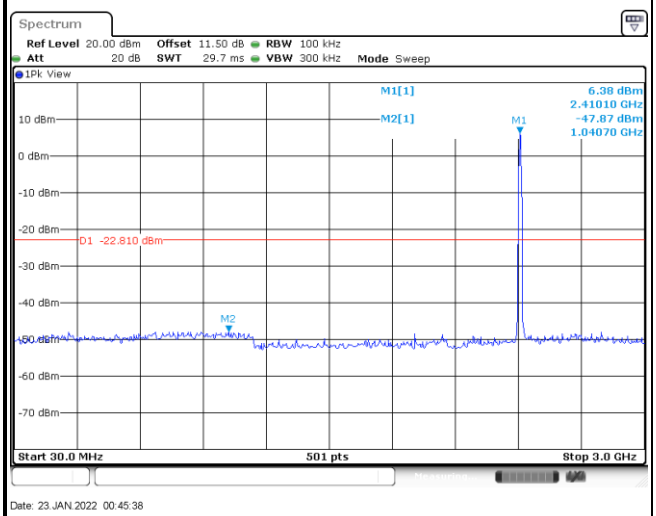
100kHz PSD reference Level



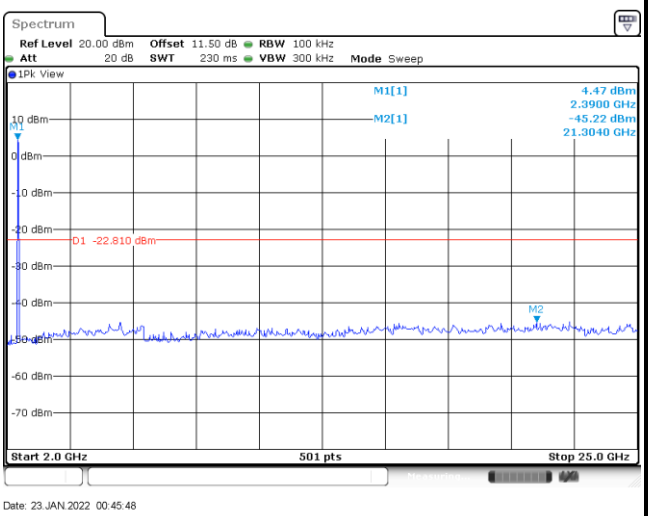
Channel Plot



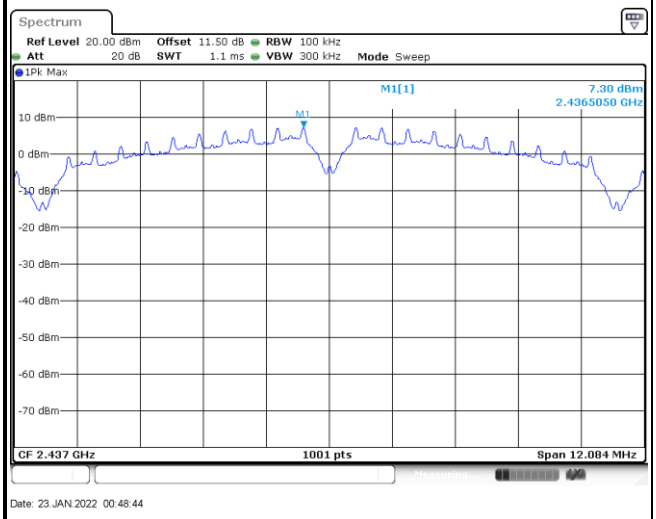
Spurious Emission 30MHz~3GHz

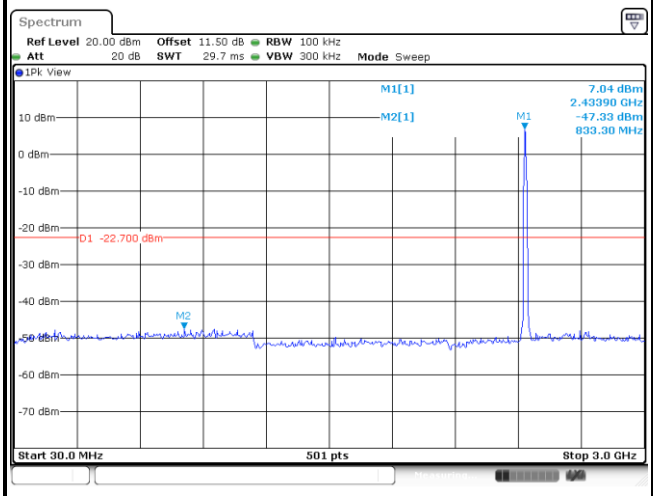
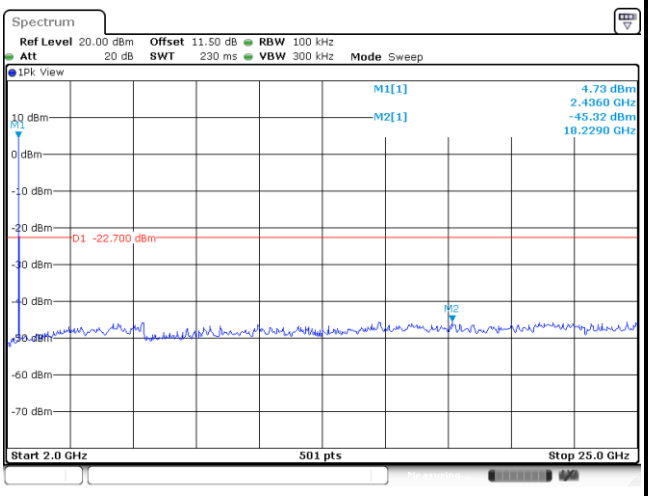


Spurious Emission 2GHz~25GHz

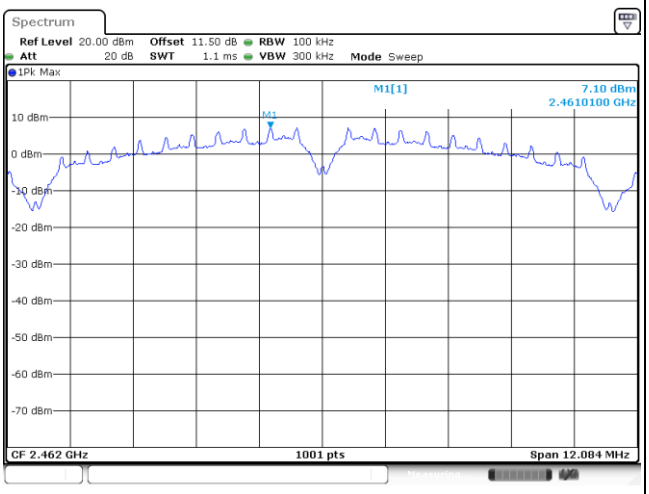
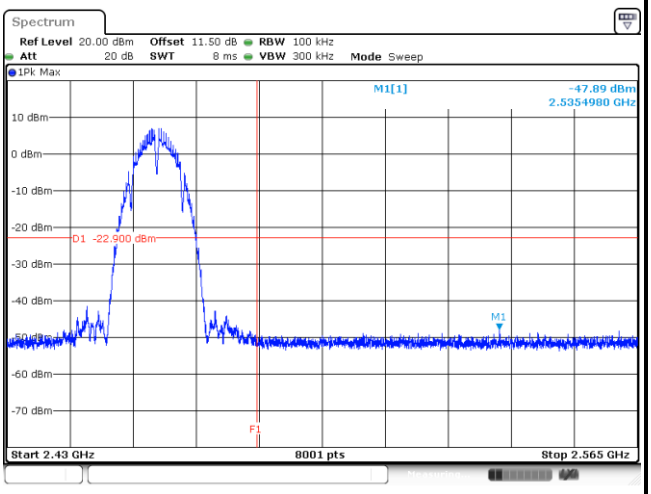
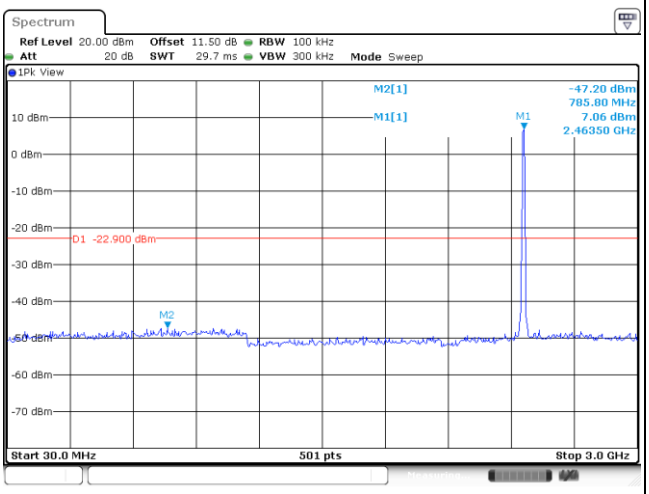
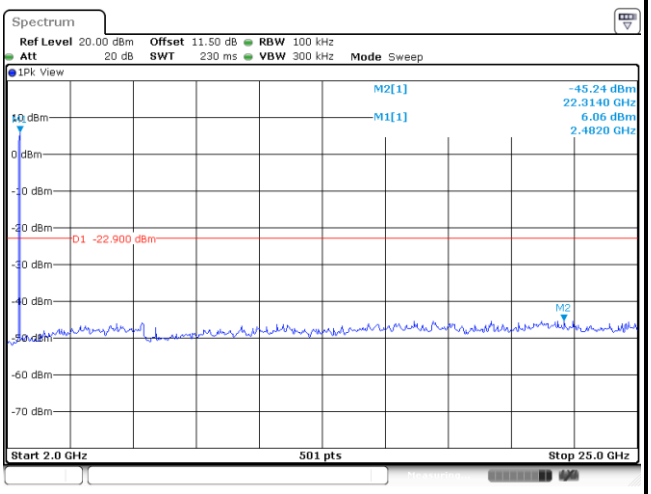


Test Mode :	802.11b	Test Channel :	06

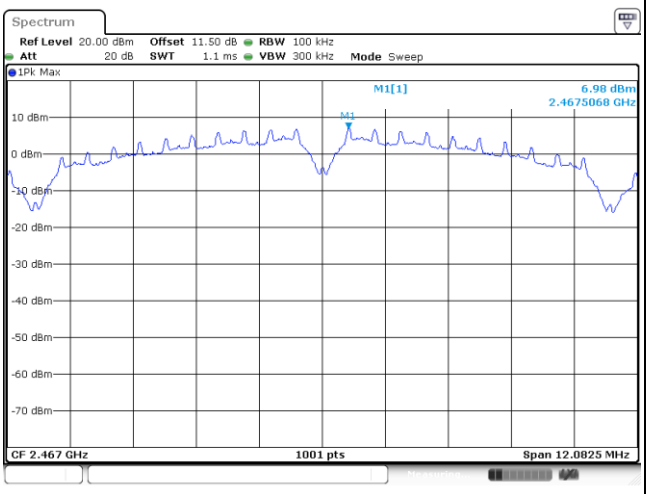
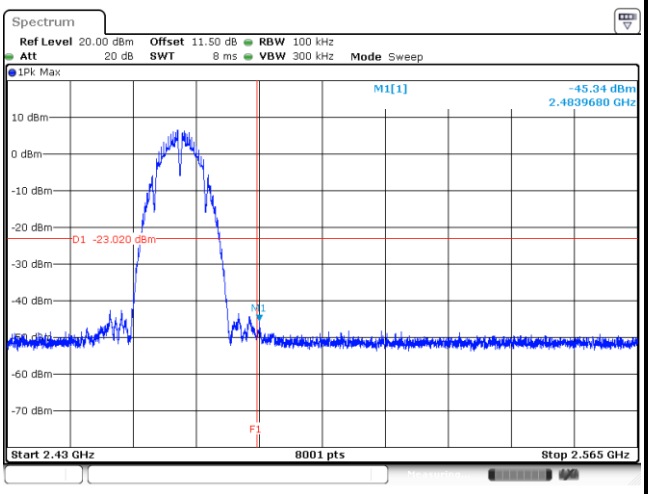
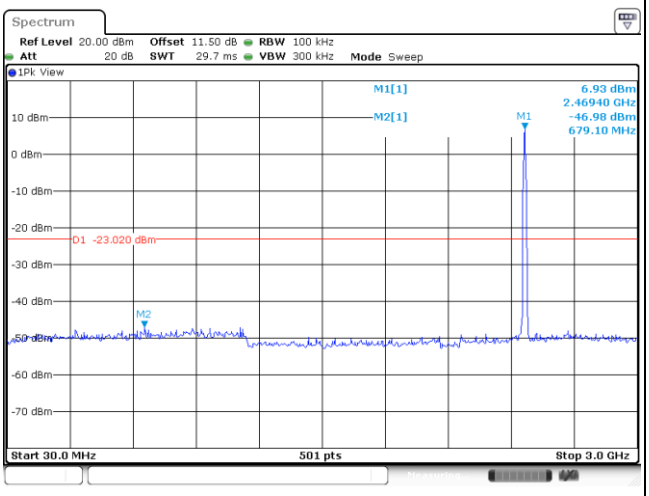
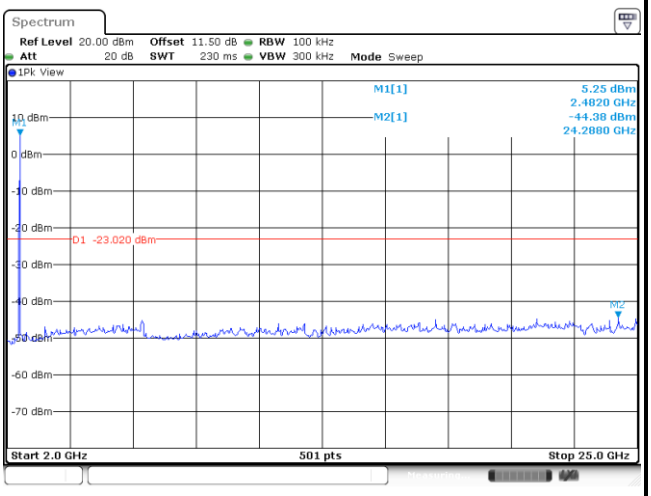
100kHz PSD reference Level	Channel Plot
	

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

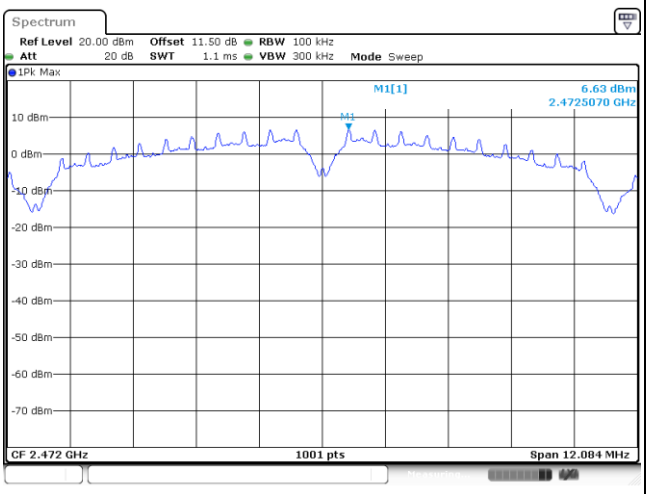
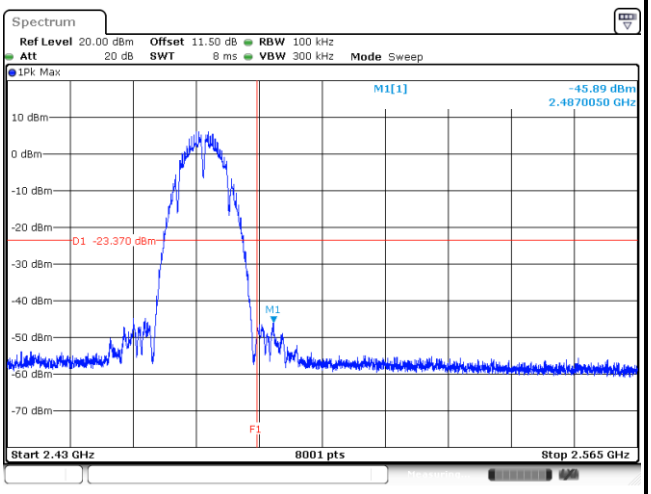
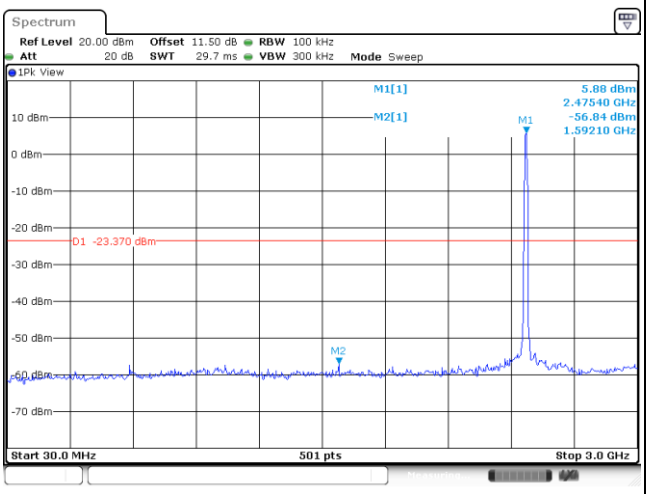
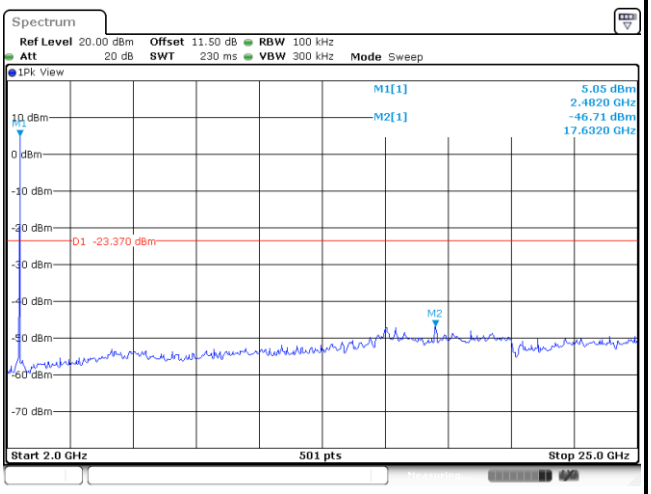
Test Mode :	802.11b	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

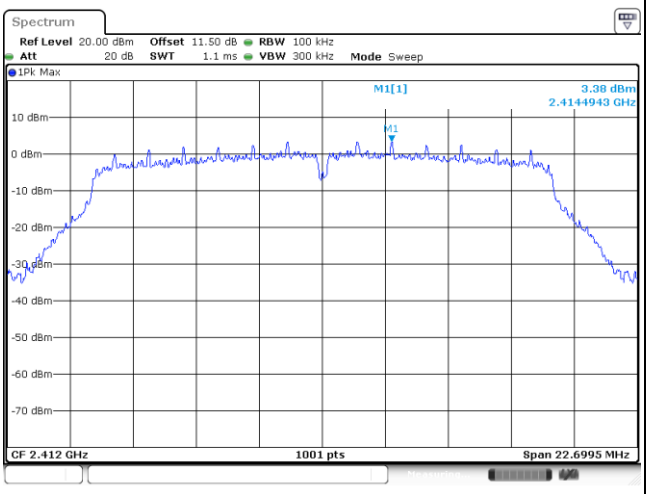
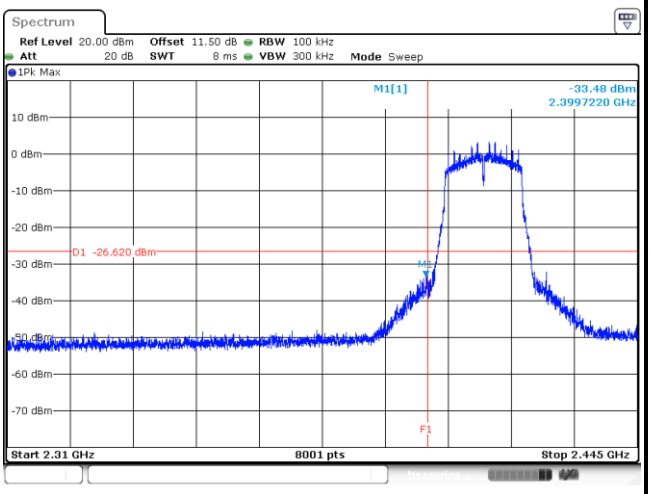
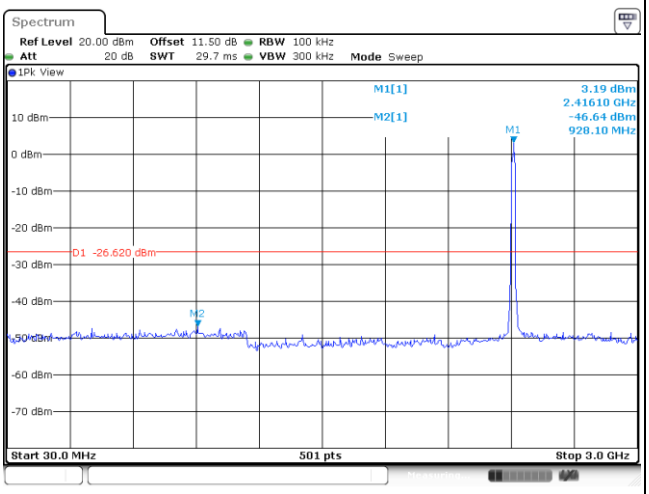
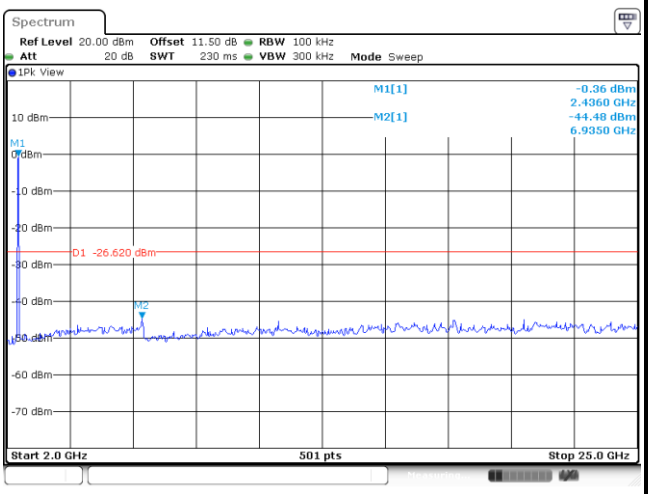
Test Mode :	802.11b	Test Channel :	12

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

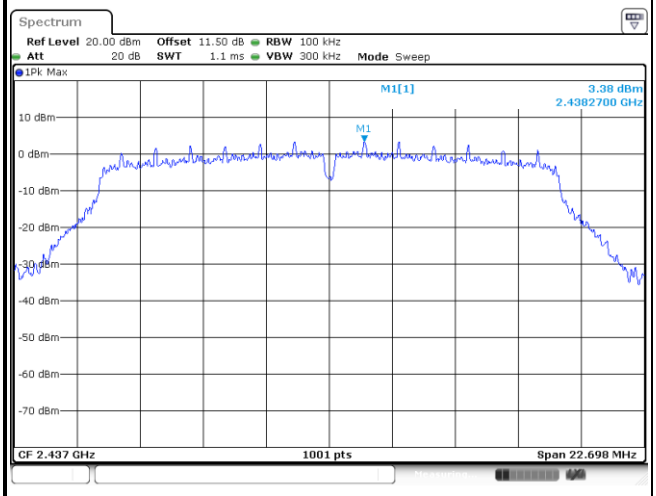
Test Mode :	802.11b	Test Channel :	13

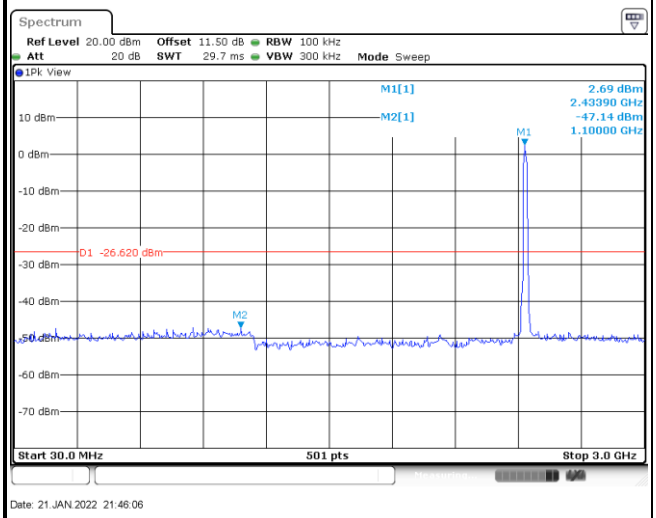
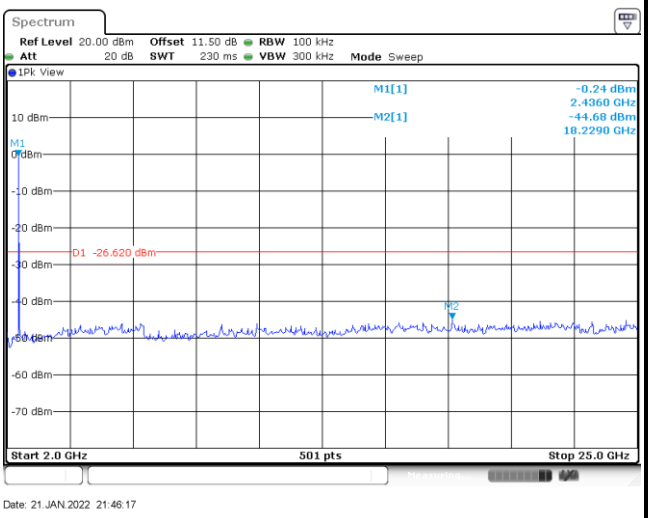
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	01

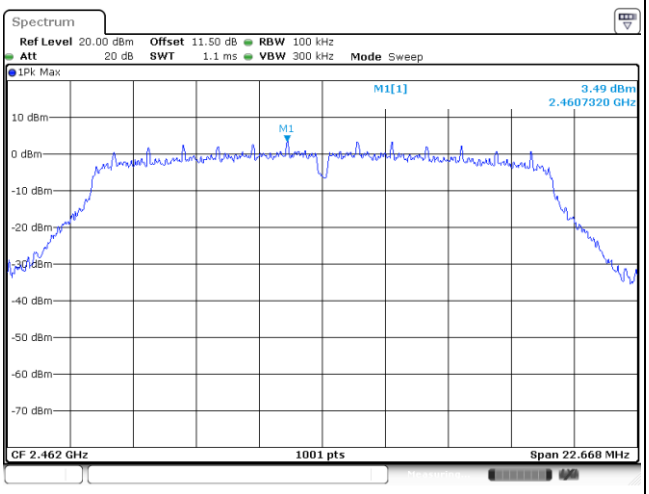
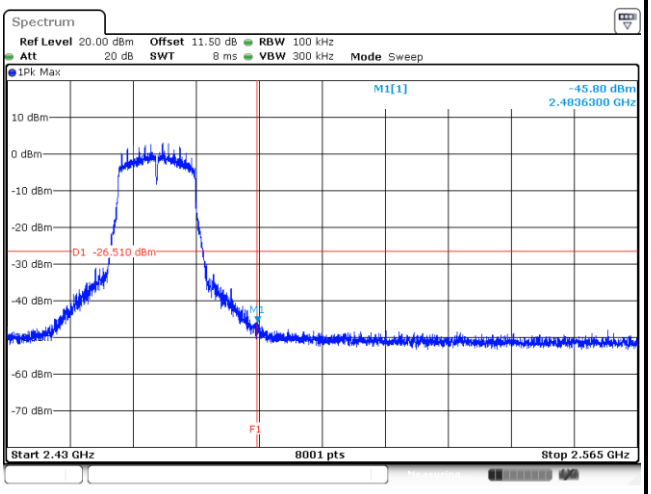
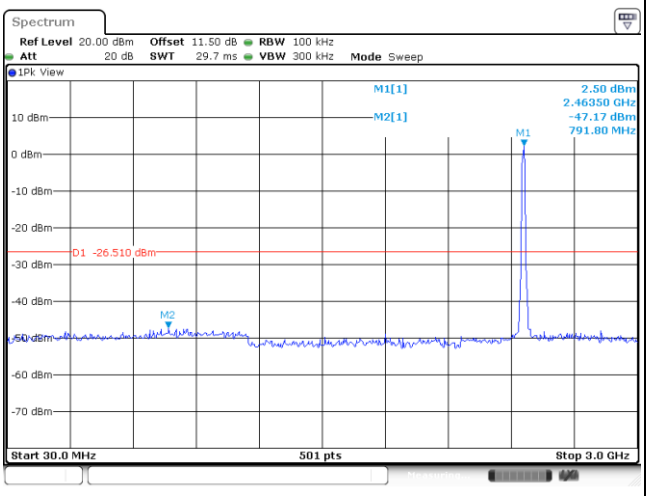
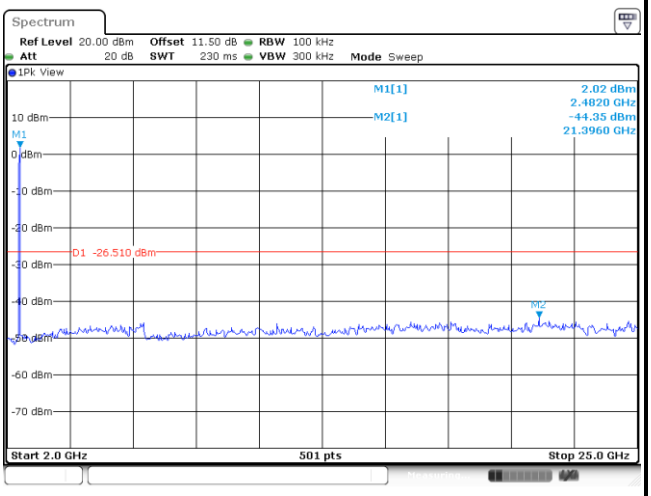
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	06

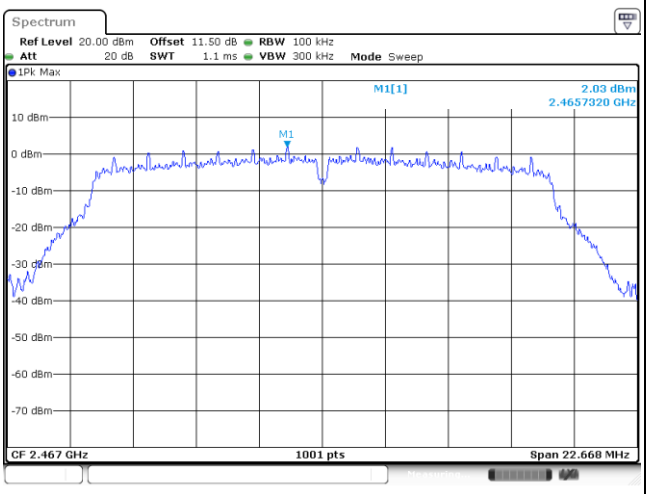
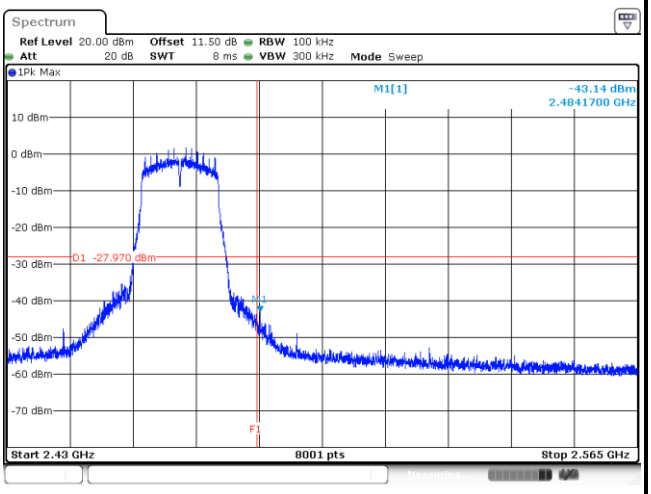
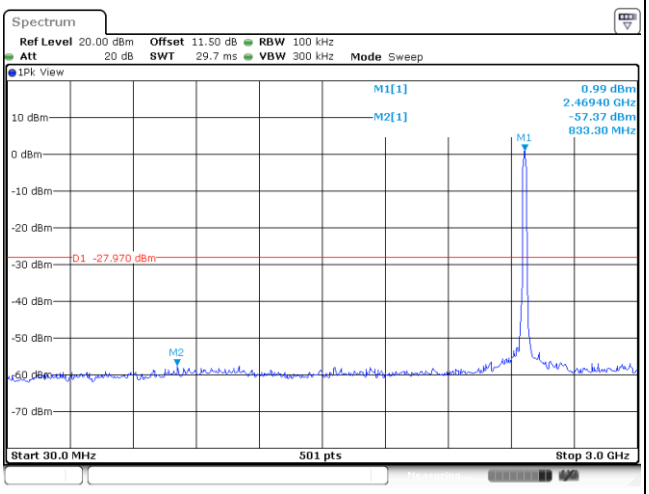
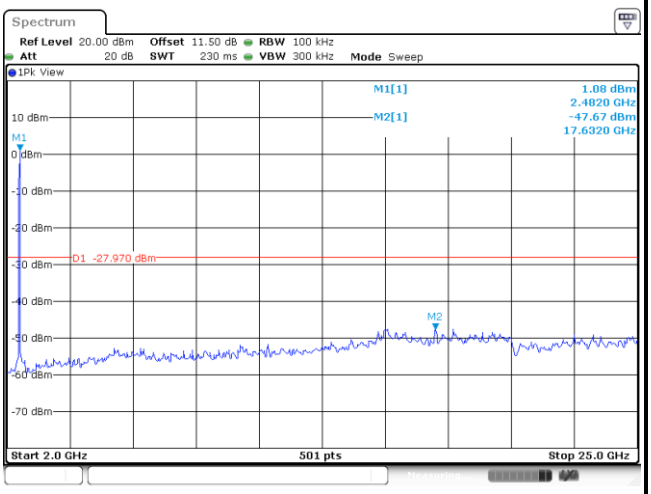
100kHz PSD reference Level	Channel Plot
	

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

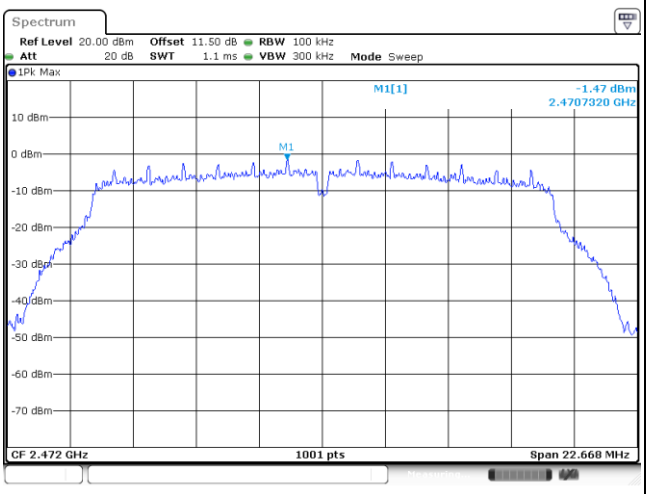
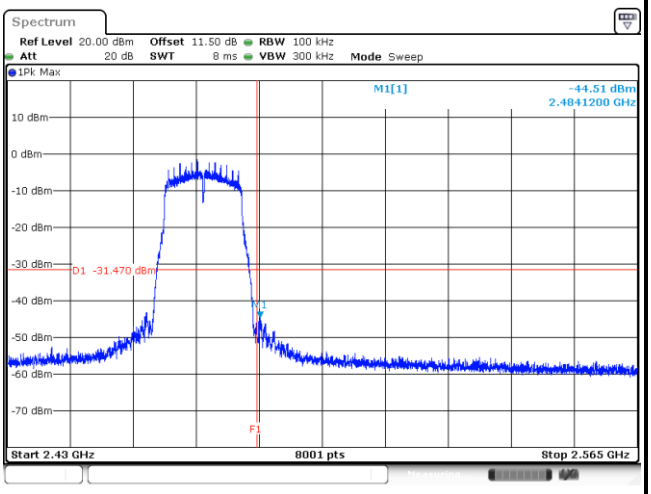
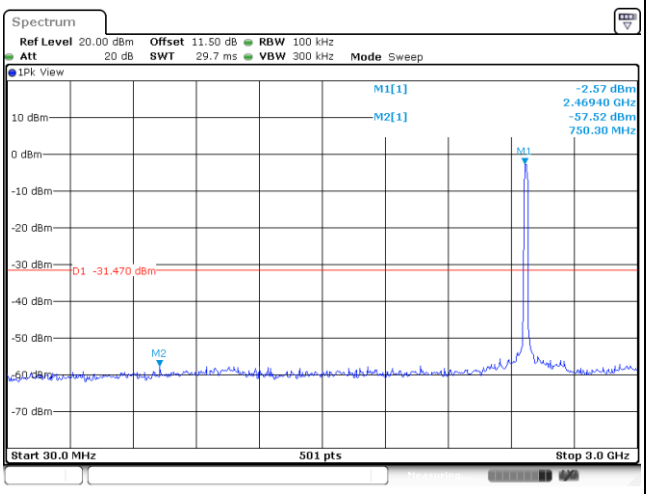
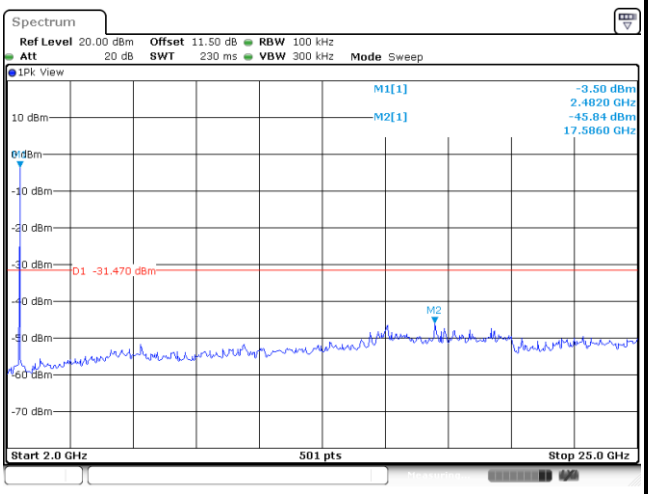
Test Mode :	802.11g	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

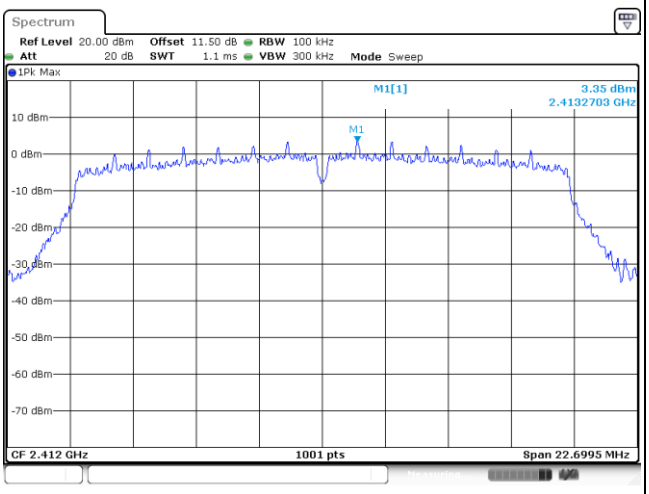
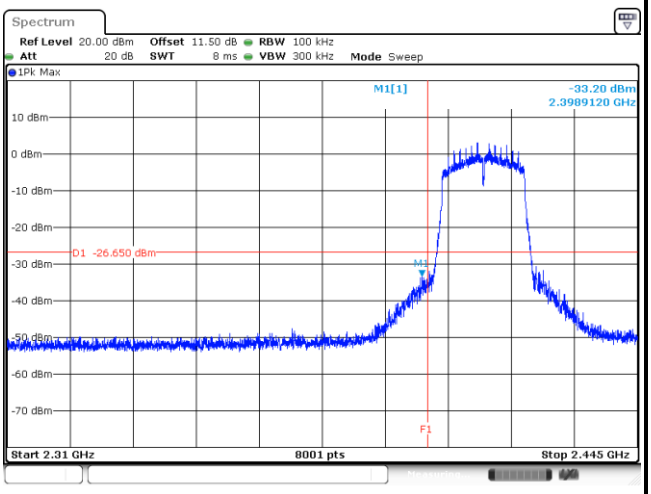
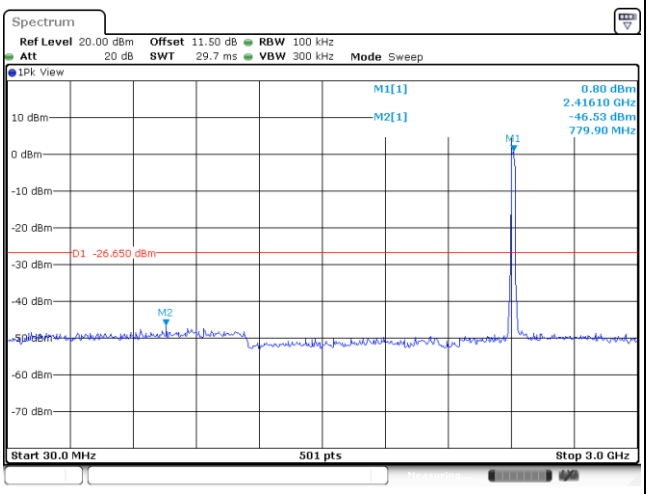
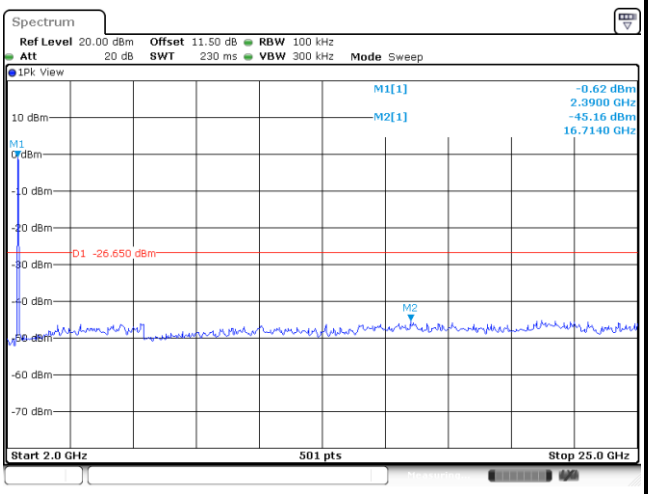
Test Mode :	802.11g	Test Channel :	12

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

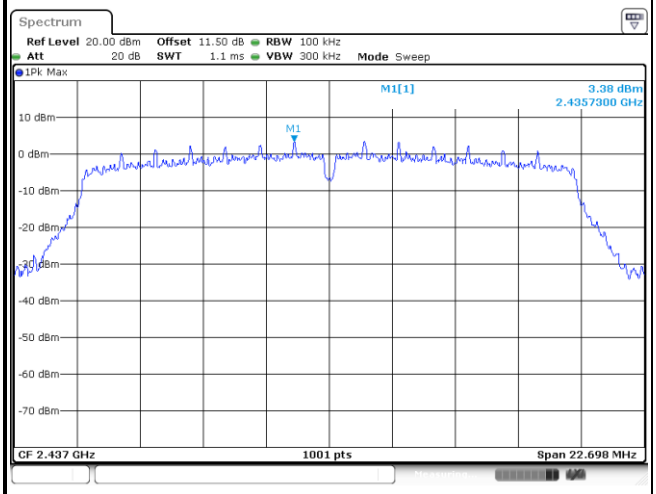
Test Mode :	802.11g	Test Channel :	13

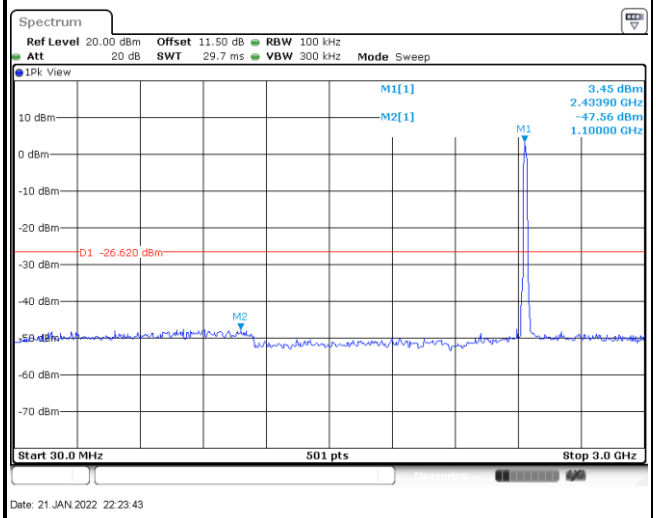
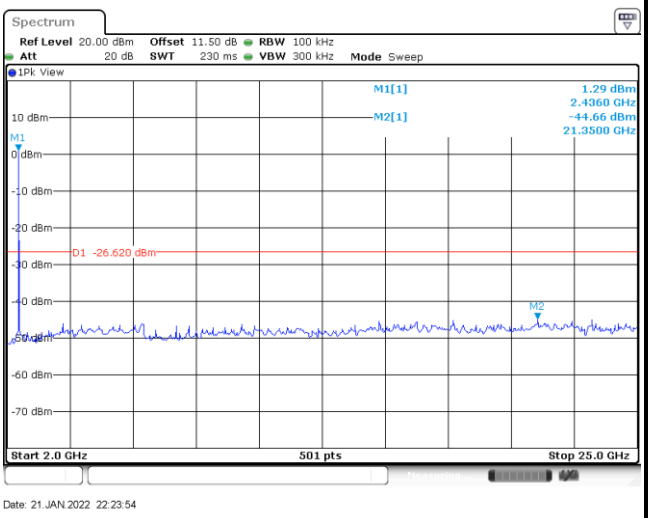
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	01

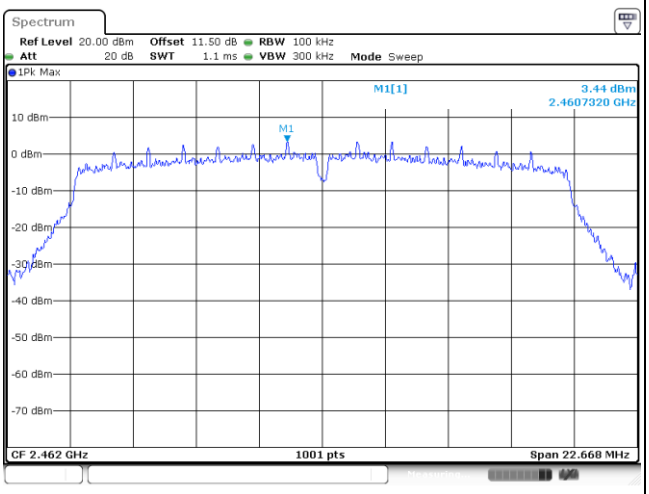
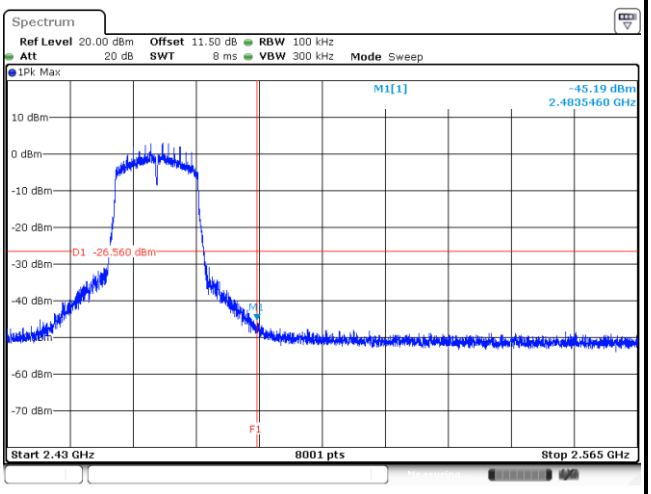
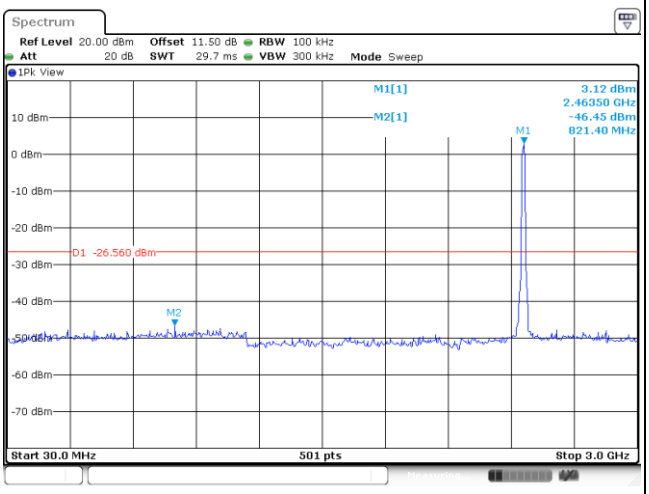
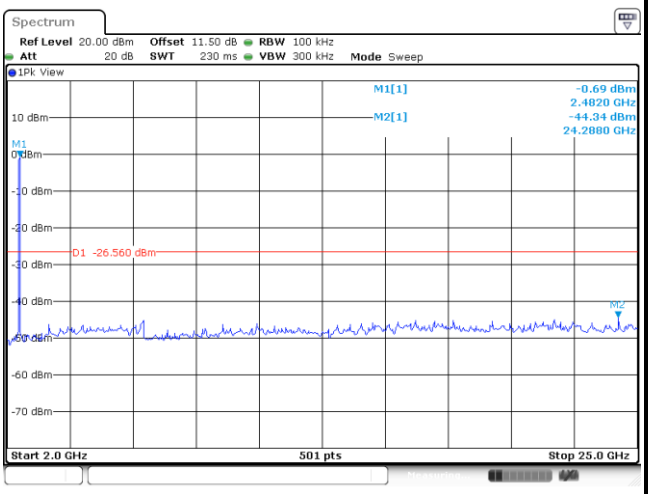
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	06

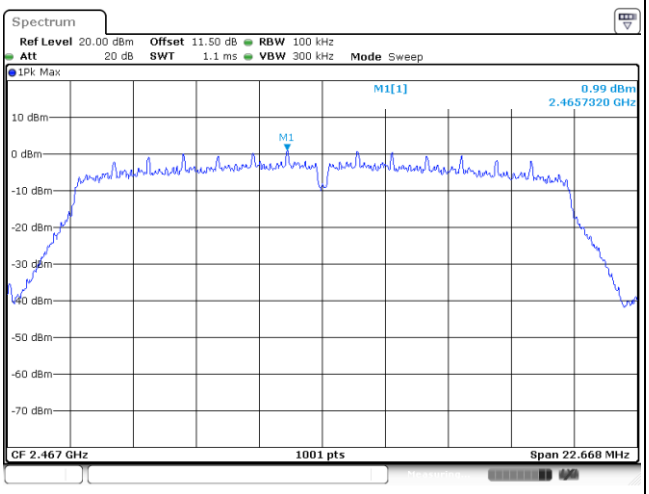
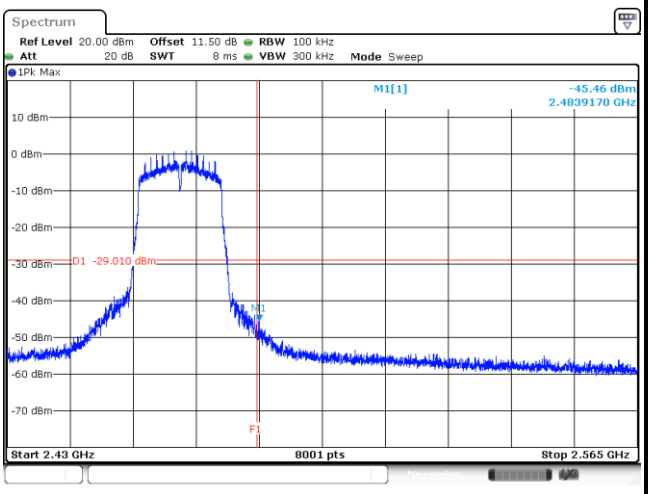
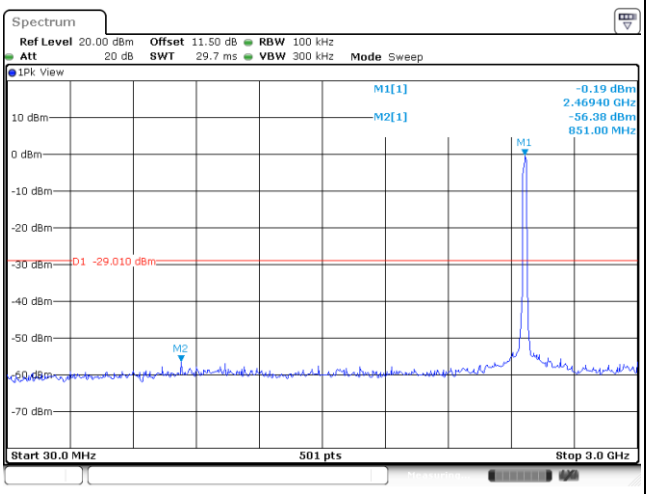
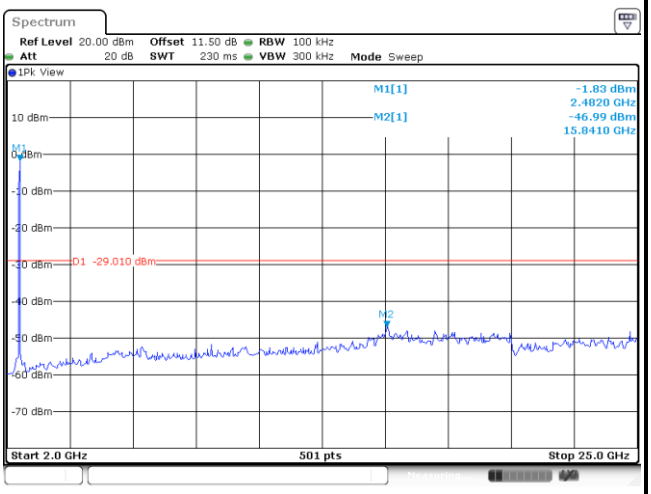
100kHz PSD reference Level	Channel Plot
	

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

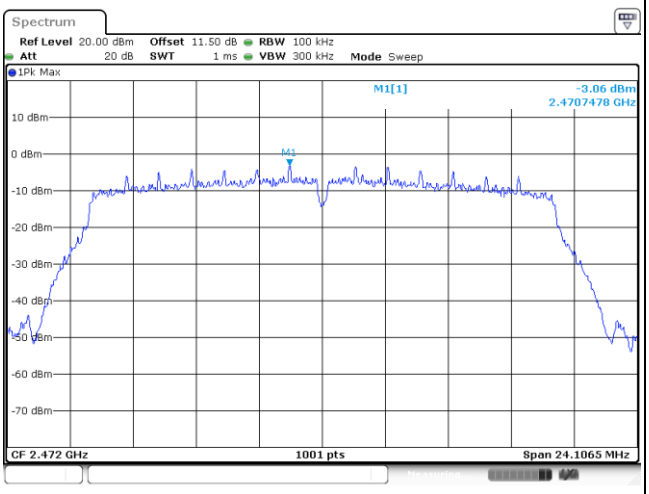
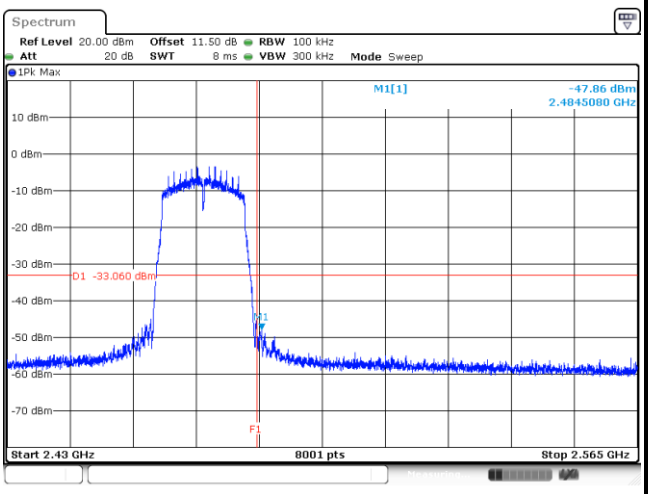
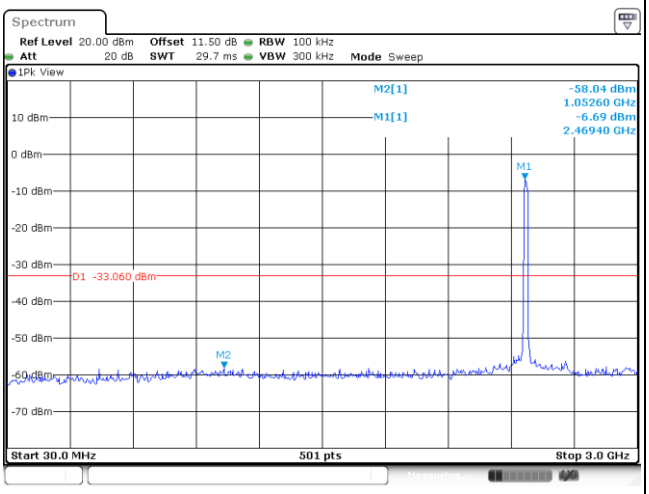
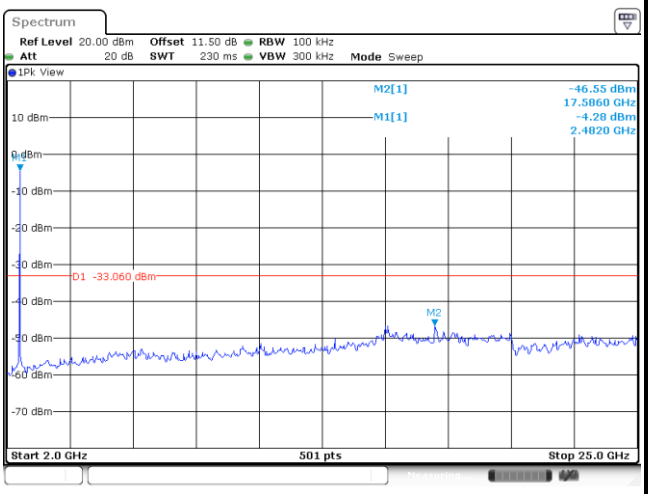
Test Mode :	802.11n HT20	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	12

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	13

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

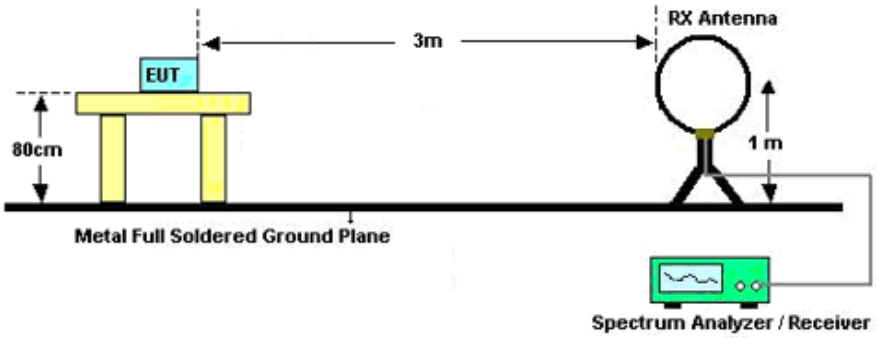
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

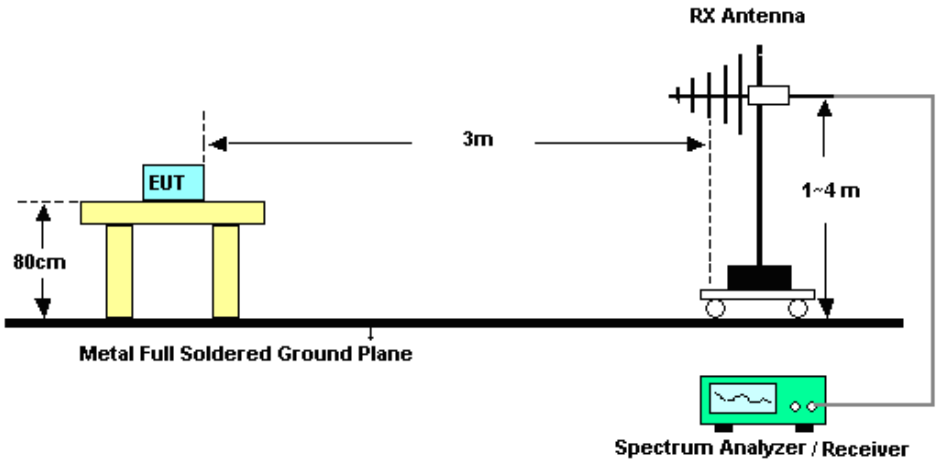
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

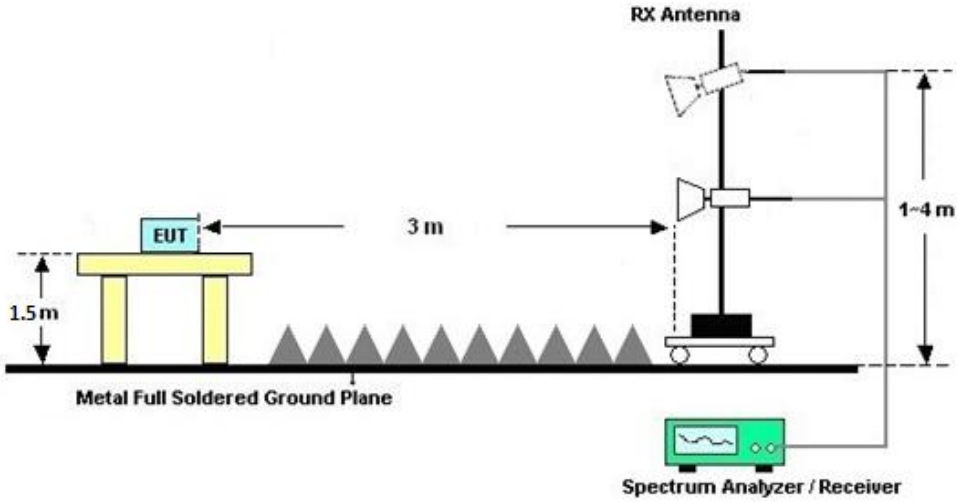
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

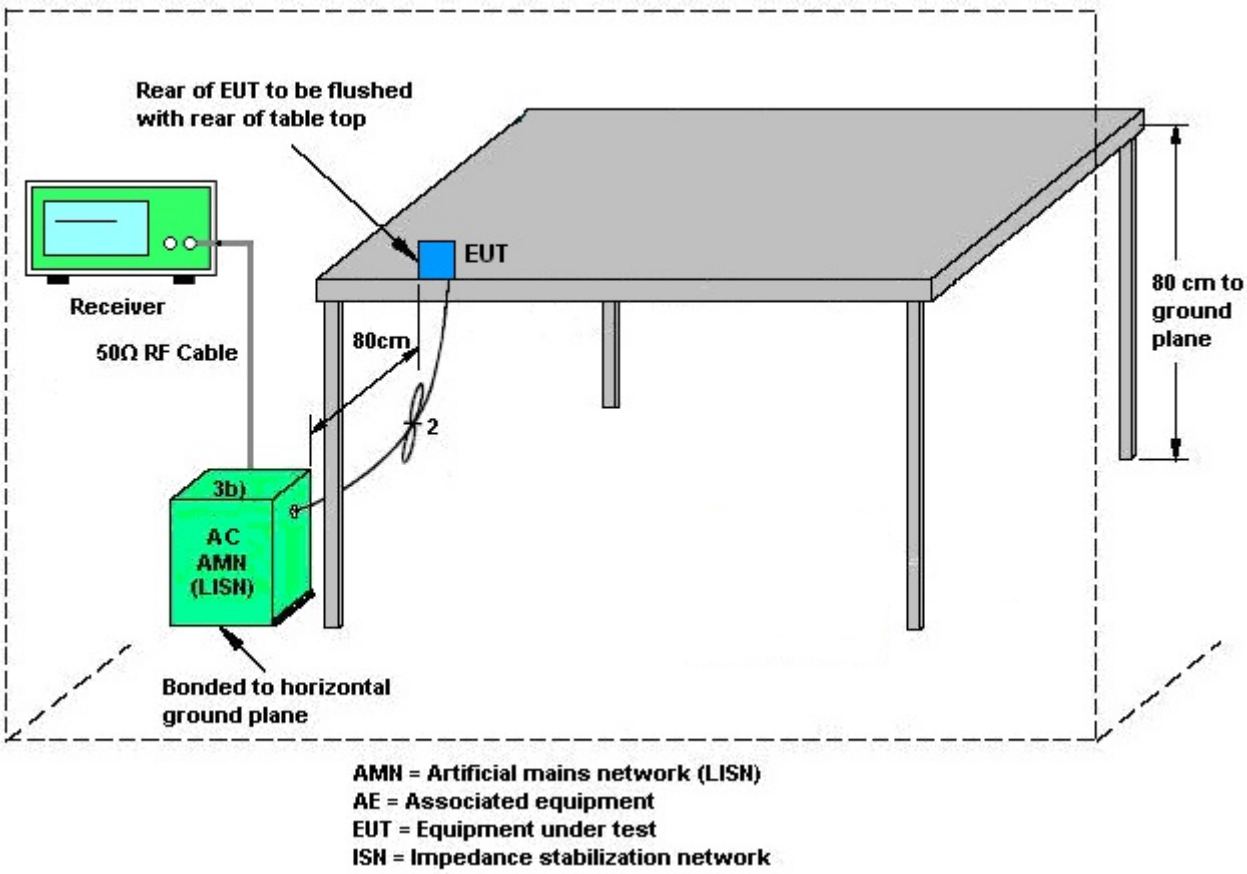
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Jan. 21, 2022~ Feb. 18, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 28, 2021	Jan. 21, 2022~ Feb. 18, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 28, 2021	Jan. 21, 2022~ Feb. 18, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 13, 2021	Jan. 23, 2022~ Jan. 26, 2022	Jul. 13, 2022	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2021	Jan. 23, 2022~ Jan. 26, 2022	Jun. 21, 2022	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2021	Jan. 23, 2022~ Jan. 26, 2022	Jul. 14, 2022	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2021	Jan. 23, 2022~ Jan. 26, 2022	Jul. 24, 2022	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 13, 2021	Jan. 23, 2022~ Jan. 26, 2022	Jul. 13, 2022	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11 2021	Jan. 23, 2022~ Jan. 26, 2022	Apr. 10, 2022	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 22, 2021	Jan. 23, 2022~ Jan. 26, 2022	Oct. 21, 2022	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Jan. 23, 2022~ Jan. 26, 2022	Oct. 21, 2022	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 22, 2021	Jan. 23, 2022~ Jan. 26, 2022	Oct. 21, 2022	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Jan. 23, 2022~ Jan. 26, 2022	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jan. 23, 2022~ Jan. 26, 2022	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jan. 23, 2022~ Jan. 26, 2022	NCR	Radiation (03CH02-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 13, 2021	Jan. 23, 2022~ Jan. 26, 2022	Jul. 13, 2022	Radiation (03CH02-SZ)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 14, 2021	Mar. 02, 2022~ Jun. 01, 2022	Jul. 13, 2022	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 14, 2021	Mar. 02, 2022~ Jun. 01, 2022	Jul. 13, 2022	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	NCR	Mar. 02, 2022~ Jun. 01, 2022	NCR	Conduction (CO02-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.2dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1dB**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1dB**

---------- THE END ----------

Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Zhang Xue Yi	Temperature:	21~25	°C
Test Date:	2022/1/21~2022/2/18	Relative Humidity:	51~54	%

Report Number : FR1O2129-01C

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
					Ant1	Ant1		
11b	1Mbps	1	1	2412	12.79	8.06	0.50	Pass
11b	1Mbps	1	6	2437	12.79	8.06	0.50	Pass
11b	1Mbps	1	11	2462	12.79	8.06	0.50	Pass
11b	1Mbps	1	12	2467	12.84	8.06	0.50	Pass
11b	1Mbps	1	13	2472	12.84	8.06	0.50	Pass
11g	6Mbps	1	1	2412	16.73	15.13	0.50	Pass
11g	6Mbps	1	6	2437	16.78	15.13	0.50	Pass
11g	6Mbps	1	11	2462	16.68	15.11	0.50	Pass
11g	6Mbps	1	12	2467	16.63	15.11	0.50	Pass
11g	6Mbps	1	13	2472	16.68	15.11	0.50	Pass
HT20	MCS0	1	1	2412	17.78	15.13	0.50	Pass
HT20	MCS0	1	6	2437	17.78	15.13	0.50	Pass
HT20	MCS0	1	11	2462	17.73	15.11	0.50	Pass
HT20	MCS0	1	12	2467	17.73	15.11	0.50	Pass
HT20	MCS0	1	13	2472	17.73	16.07	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant1	Ant1	Ant1	Ant1	Ant1	
11b	1Mbps	1	1	2412	16.10	30.00	3.72	19.82	36.00	Pass
11b	1Mbps	1	6	2437	16.00	30.00	3.72	19.72	36.00	Pass
11b	1Mbps	1	11	2462	16.00	30.00	3.72	19.72	36.00	Pass
11b	1Mbps	1	12	2467	16.10	30.00	3.72	19.82	36.00	Pass
11b	1Mbps	1	13	2472	15.60	30.00	3.72	19.32	36.00	Pass
11g	6Mbps	1	1	2412	14.70	30.00	3.72	18.42	36.00	Pass
11g	6Mbps	1	6	2437	14.70	30.00	3.72	18.42	36.00	Pass
11g	6Mbps	1	11	2462	14.60	30.00	3.72	18.32	36.00	Pass
11g	6Mbps	1	12	2467	13.30	30.00	3.72	17.02	36.00	Pass
11g	6Mbps	1	13	2472	9.90	30.00	3.72	13.62	36.00	Pass
HT20	MCS0	1	1	2412	14.60	30.00	3.72	18.32	36.00	Pass
HT20	MCS0	1	6	2437	14.50	30.00	3.72	18.22	36.00	Pass
HT20	MCS0	1	11	2462	14.50	30.00	3.72	18.22	36.00	Pass
HT20	MCS0	1	12	2467	12.30	30.00	3.72	16.02	36.00	Pass
HT20	MCS0	1	13	2472	8.00	30.00	3.72	11.72	36.00	Pass

Note: Measured power (dBm) has offset with cable loss.

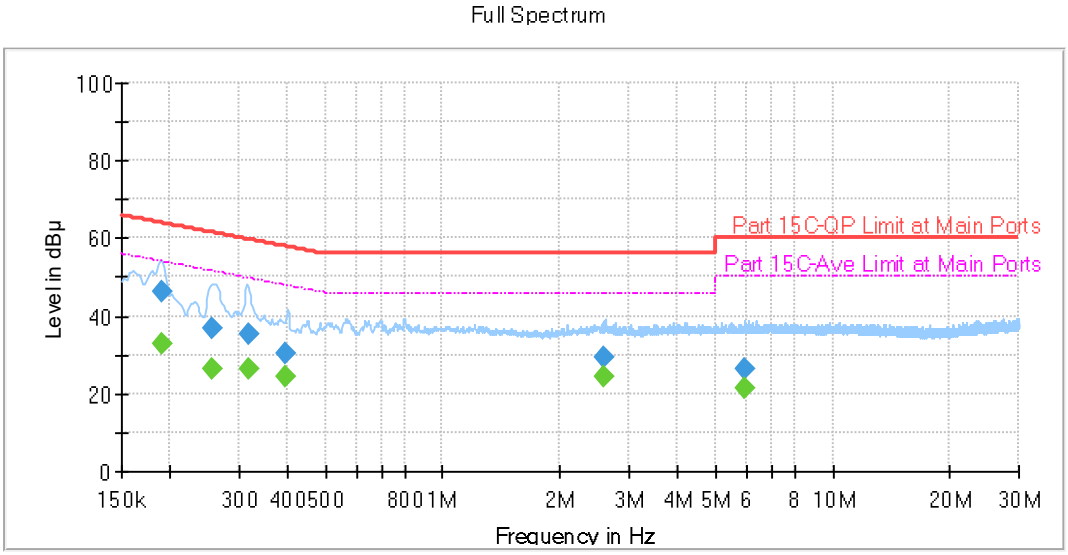
Report Number : FR1O2129-01C

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)	DG (dBi)	Peak PSD Limit (dBm/3kHz)	Pass/Fail
					Ant1	Ant1	Ant1	
11b	1Mbps	1	1	2412	-6.77	3.72	8.00	Pass
11b	1Mbps	1	6	2437	-6.78	3.72	8.00	Pass
11b	1Mbps	1	11	2462	-6.13	3.72	8.00	Pass
11b	1Mbps	1	12	2467	-6.59	3.72	8.00	Pass
11b	1Mbps	1	13	2472	-7.79	3.72	8.00	Pass
11g	6Mbps	1	1	2412	-10.11	3.72	8.00	Pass
11g	6Mbps	1	6	2437	-9.32	3.72	8.00	Pass
11g	6Mbps	1	11	2462	-10.98	3.72	8.00	Pass
11g	6Mbps	1	12	2467	-12.51	3.72	8.00	Pass
11g	6Mbps	1	13	2472	-15.22	3.72	8.00	Pass
HT20	MCS0	1	1	2412	-10.88	3.72	8.00	Pass
HT20	MCS0	1	6	2437	-10.60	3.72	8.00	Pass
HT20	MCS0	1	11	2462	-10.19	3.72	8.00	Pass
HT20	MCS0	1	12	2467	-12.77	3.72	8.00	Pass
HT20	MCS0	1	13	2472	-18.12	3.72	8.00	Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	ZhangXu	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

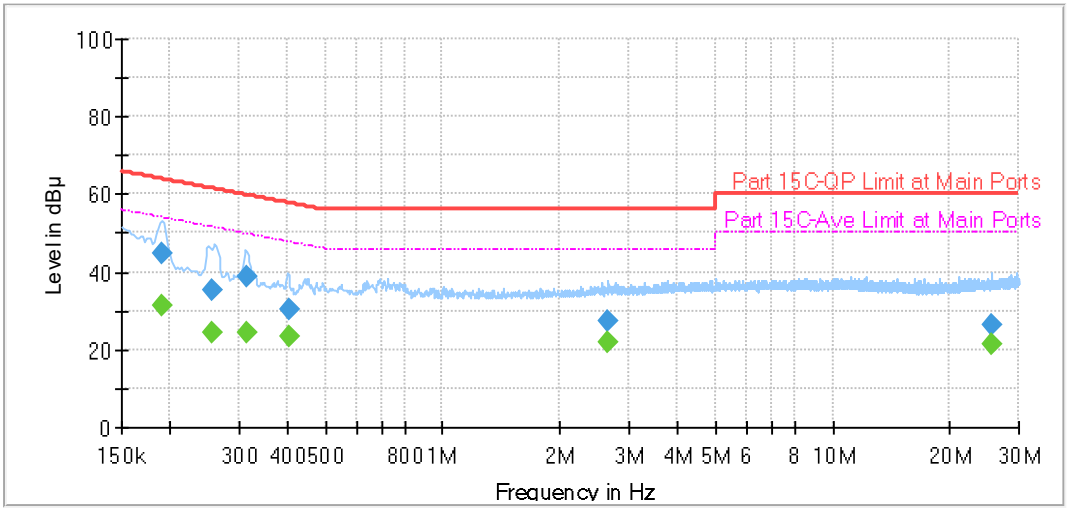


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.191400	46.04	---	63.98	17.94	L1	OFF	19.7
0.191400	---	33.00	53.98	20.97	L1	OFF	19.7
0.255840	36.73	---	61.57	24.83	L1	OFF	19.7
0.255840	---	26.21	51.57	25.35	L1	OFF	19.7
0.318750	35.27	---	59.74	24.46	L1	OFF	19.7
0.318750	---	26.21	49.74	23.53	L1	OFF	19.7
0.395250	30.12	---	57.95	27.83	L1	OFF	19.7
0.395250	---	24.35	47.95	23.61	L1	OFF	19.7
2.603670	29.40	---	56.00	26.60	L1	OFF	19.8
2.603670	---	24.23	46.00	21.77	L1	OFF	19.8
5.964360	26.57	---	60.00	33.43	L1	OFF	19.9
5.964360	---	21.33	50.00	28.67	L1	OFF	19.9

Test Engineer :	ZhangXu	Temperature :	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.191040	44.69	---	63.99	19.30	N	OFF	19.7
0.191040	---	31.44	53.99	22.55	N	OFF	19.7
0.255750	35.19	---	61.57	26.38	N	OFF	19.7
0.255750	---	24.19	51.57	27.38	N	OFF	19.7
0.314610	38.76	---	59.85	21.09	N	OFF	19.7
0.314610	---	24.52	49.85	25.33	N	OFF	19.7
0.403260	30.34	---	57.79	27.45	N	OFF	19.7
0.403260	---	23.25	47.79	24.53	N	OFF	19.7
2.663070	27.16	---	56.00	28.84	N	OFF	19.8
2.663070	---	21.91	46.00	24.09	N	OFF	19.8
25.609290	26.49	---	60.00	33.51	N	OFF	20.5
25.609290	---	21.35	50.00	28.65	N	OFF	20.5

Appendix C. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2369.43	51.72	-22.28	74	46.74	31.7	5.53	32.25	104	236	P	H
		2386.125	41.53	-12.47	54	36.53	31.7	5.55	32.25	104	236	V	H
		2412	108.47	-	-	103.34	31.8	5.57	32.24	104	236	P	H
		2412	104.66	-	-	99.53	31.8	5.57	32.24	104	236	V	H
		2369.43	51.72	-22.28	74	46.74	31.7	5.53	32.25	104	236	P	H
		2386.125	41.53	-12.47	54	36.53	31.7	5.55	32.25	104	236	V	H
		2387.805	51.67	-22.33	74	46.67	31.7	5.55	32.25	320	291	P	V
		2386.02	40.24	-13.76	54	35.24	31.7	5.55	32.25	320	291	V	V
		2412	104.45	-	-	99.32	31.8	5.57	32.24	320	291	P	V
		2412	100.7	-	-	95.57	31.8	5.57	32.24	320	291	V	V
		2387.805	51.67	-22.33	74	46.67	31.7	5.55	32.25	320	291	P	V
		2386.02	40.24	-13.76	54	35.24	31.7	5.55	32.25	320	291	V	V
802.11b CH 06 2437MHz		2350.6	50.67	-23.33	74	45.74	31.7	5.49	32.26	122	233	P	H
		2389.94	40.6	-13.4	54	35.59	31.7	5.55	32.24	122	233	V	H
		2437	108.25	-	-	102.78	32	5.61	32.14	122	233	P	H
		2437	104.45	-	-	98.98	32	5.61	32.14	122	233	V	H
		2485.65	51.59	-22.41	74	45.81	32.07	5.66	31.95	122	233	P	H
		2484.11	41.45	-12.55	54	35.67	32.07	5.66	31.95	122	233	V	H
		2389.38	50.24	-23.76	74	45.24	31.7	5.55	32.25	320	285	P	V
		2389.8	39.9	-14.1	54	34.89	31.7	5.55	32.24	320	285	V	V
		2437	104.66	-	-	99.19	32	5.61	32.14	320	285	P	V
		2437	100.78	-	-	95.31	32	5.61	32.14	320	285	V	V
		2496.92	51.42	-22.58	74	45.49	32.1	5.68	31.85	320	285	P	V
		2483.97	40.74	-13.26	54	34.96	32.07	5.66	31.95	320	285	V	V

802.11b CH 11 2462MHz		2462	108.32	-	-	102.7	32.03	5.64	32.05	107	231	P	H
		2462	104.32	-	-	98.7	32.03	5.64	32.05	107	231	V	H
		2483.68	52.64	-21.36	74	46.86	32.07	5.66	31.95	107	231	P	H
		2484.12	42.39	-11.61	54	36.61	32.07	5.66	31.95	107	231	V	H
		2462	104.02	-	-	98.4	32.03	5.64	32.05	312	265	P	V
		2462	100.22	-	-	94.6	32.03	5.64	32.05	312	265	V	V
		2485.56	51.9	-22.1	74	46.12	32.07	5.66	31.95	312	265	P	V
		2483.96	41.01	-12.99	54	35.23	32.07	5.66	31.95	312	265	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 12 2467MHz		2467	108.19	-	-	102.47	32.03	5.64	31.95	106	232	P	H
		2467	104.35	-	-	98.63	32.03	5.64	31.95	106	232	V	H
		2483.76	55.31	-18.69	74	49.53	32.07	5.66	31.95	106	232	P	H
		2483.84	47.24	-6.76	54	41.46	32.07	5.66	31.95	106	232	V	H
		2467	103.52	-	-	97.8	32.03	5.64	31.95	305	266	P	V
		2467	99.74	-	-	94.02	32.03	5.64	31.95	305	266	V	V
		2483.68	52.96	-21.04	74	47.18	32.07	5.66	31.95	305	266	P	V
		2483.88	43.66	-10.34	54	37.88	32.07	5.66	31.95	305	266	V	V
802.11b CH 13 2472MHz		2472	107.95	-	-	102.17	32.07	5.66	31.95	105	230	P	H
		2472	104.18	-	-	98.4	32.07	5.66	31.95	105	230	V	H
		2484.64	57.81	-16.19	74	52.03	32.07	5.66	31.95	105	230	P	H
		2484.52	50.46	-3.54	54	44.68	32.07	5.66	31.95	105	230	V	H
		2472	102.61	-	-	96.83	32.07	5.66	31.95	298	243	P	V
		2472	98.79	-	-	93.01	32.07	5.66	31.95	298	243	V	V
		2484.44	53.98	-20.02	74	48.2	32.07	5.66	31.95	298	243	P	V
		2484.56	45.74	-8.26	54	39.96	32.07	5.66	31.95	298	243	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	53.14	-20.86	74	68.11	33.8	8.71	57.48	119	141	P	H
		4824	49.49	-4.51	54	64.46	33.8	8.71	57.48	119	141	V	H
		4824	51.13	-22.87	74	66.1	33.8	8.71	57.48	106	15	P	V
		4824	46.5	-7.5	54	61.47	33.8	8.71	57.48	106	15	V	V
802.11b CH 06 2437MHz		4874	52.39	-21.61	74	67.39	33.73	8.79	57.52	110	141	P	H
		4874	49.03	-4.97	54	64.03	33.73	8.79	57.52	110	141	V	H
		7311	46.45	-27.55	74	58.56	35.72	11.09	58.92	-	-	P	H
		4874	48.07	-25.93	74	63.07	33.73	8.79	57.52	-	-	P	V
		7311	46.68	-27.32	74	58.79	35.72	11.09	58.92	-	-	P	V
802.11b CH 11 2462MHz		4924	51.54	-22.46	74	66.49	33.7	8.9	57.55	110	149	P	H
		4924	47.64	-6.36	54	62.59	33.7	8.9	57.55	110	149	V	H
		7386	46.19	-27.81	74	58.3	35.76	11.08	58.95	-	-	P	H
		4924	49.16	-24.84	74	64.11	33.7	8.9	57.55	-	-	P	V
		7386	46.55	-27.45	74	58.66	35.76	11.08	58.95	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 12 2467MHz		4934	50.03	-23.97	74	64.98	33.7	8.9	57.55			P	H
		7401	45.96	-28.04	74	58.05	35.77	11.1	58.96			P	H
		4934	49.24	-24.76	74	64.19	33.7	8.9	57.55			P	V
		7401	46.15	-27.85	74	58.24	35.77	11.1	58.96			P	V
802.11b CH 13 2472MHz		4944	50.52	-23.48	74	65.44	33.7	8.94	57.56			P	H
		7416	46.26	-27.74	74	58.35	35.77	11.1	58.96			P	H
		4944	48.04	-25.96	74	62.96	33.7	8.94	57.56			P	V
		7416	46.38	-27.62	74	58.47	35.77	11.1	58.96			P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.8	59.55	-14.45	74	54.54	31.7	5.55	32.24	111	228	P	H
		2389.905	46.46	-7.54	54	41.45	31.7	5.55	32.24	111	228	V	H
		2412	108.98	-	-	103.85	31.8	5.57	32.24	111	228	P	H
		2412	98.7	-	-	93.57	31.8	5.57	32.24	111	228	V	H
		2389.59	52.05	-21.95	74	47.05	31.7	5.55	32.25	314	111	P	V
		2389.905	41.58	-12.42	54	36.57	31.7	5.55	32.24	314	111	V	V
		2412	101.16	-	-	96.03	31.8	5.57	32.24	314	111	P	V
		2412	90.91	-	-	85.78	31.8	5.57	32.24	314	111	V	V
802.11g CH 06 2437MHz		2372.44	51.55	-22.45	74	46.57	31.7	5.53	32.25	123	224	P	H
		2387.84	42.63	-11.37	54	37.63	31.7	5.55	32.25	123	224	V	H
		2437	109.02	-	-	103.55	32	5.61	32.14	123	224	P	H
		2437	99.2	-	-	93.73	32	5.61	32.14	123	224	V	H
		2483.69	53.64	-20.36	74	47.86	32.07	5.66	31.95	123	224	P	H
		2485.86	43.83	-10.17	54	38.05	32.07	5.66	31.95	123	224	V	H
		2367.68	51.11	-22.89	74	46.15	31.7	5.51	32.25	316	254	P	V
		2376.08	41.24	-12.76	54	36.26	31.7	5.53	32.25	316	254	V	V
		2437	104.97	-	-	99.5	32	5.61	32.14	316	254	P	V
		2437	95.09	-	-	89.62	32	5.61	32.14	316	254	V	V
		2490.69	51.29	-22.71	74	45.46	32.1	5.68	31.95	316	254	P	V
		2484.81	42.27	-11.73	54	36.49	32.07	5.66	31.95	316	254	V	V

802.11g CH 11 2462MHz		2462	108.92	-	-	103.3	32.03	5.64	32.05	107	233	P	H
		2462	99.76	-	-	94.14	32.03	5.64	32.05	107	233	V	H
		2483.52	59.12	-14.88	74	53.34	32.07	5.66	31.95	107	233	P	H
		2483.6	49.42	-4.58	54	43.64	32.07	5.66	31.95	107	233	V	H
		2462	105.67	-	-	100.05	32.03	5.64	32.05	320	279	P	V
		2462	96.4	-	-	90.78	32.03	5.64	32.05	320	279	V	V
		2483.6	53.95	-20.05	74	48.17	32.07	5.66	31.95	320	279	P	V
		2483.84	45.31	-8.69	54	39.53	32.07	5.66	31.95	320	279	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 12 2467MHz		2467	107.36	-	-	101.64	32.03	5.64	31.95	160	224	P	H
		2467	97.45	-	-	91.73	32.03	5.64	31.95	160	224	V	H
		2484.32	63.13	-10.87	74	57.35	32.07	5.66	31.95	160	224	P	H
		2483.56	50.38	-3.62	54	44.6	32.07	5.66	31.95	160	224	V	H
		2467	104.57	-	-	98.85	32.03	5.64	31.95	320	290	P	V
		2467	94.96	-	-	89.24	32.03	5.64	31.95	320	290	V	V
		2483.92	62.39	-11.61	74	56.61	32.07	5.66	31.95	320	290	P	V
		2483.52	48.06	-5.94	54	42.28	32.07	5.66	31.95	320	290	V	V
802.11g CH 13 2472MHz		2472	104.34	-	-	98.56	32.07	5.66	31.95	148	226	P	H
		2472	94.53	-	-	88.75	32.07	5.66	31.95	148	226	V	H
		2483.56	67.16	-6.84	74	61.38	32.07	5.66	31.95	148	226	P	H
		2484.04	50.68	-3.32	54	44.9	32.07	5.66	31.95	148	226	V	H
		2472	101.04	-	-	95.26	32.07	5.66	31.95	314	285	P	V
		2472	91.19	-	-	85.41	32.07	5.66	31.95	314	285	V	V
		2484.36	60.46	-13.54	74	54.68	32.07	5.66	31.95	314	285	P	V
		2484.24	47.4	-6.6	54	41.62	32.07	5.66	31.95	314	285	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	49.14	-24.86	74	64.11	33.8	8.71	57.48	-	-	P	H
		4824	46.96	-27.04	74	61.93	33.8	8.71	57.48	-	-	P	V
802.11g CH 06 2437MHz		4874	47.14	-26.86	74	62.14	33.73	8.79	57.52	-	-	P	H
		7311	45.71	-28.29	74	57.82	35.72	11.09	58.92	-	-	P	H
		4874	43.13	-30.87	74	58.13	33.73	8.79	57.52	-	-	P	V
		7311	46.33	-27.67	74	58.44	35.72	11.09	58.92	-	-	P	V
802.11g CH 11 2462MHz		4924	48.11	-25.89	74	63.06	33.7	8.9	57.55	-	-	P	H
		7386	45.86	-28.14	74	57.97	35.76	11.08	58.95	-	-	P	H
		4924	46.55	-27.45	74	61.5	33.7	8.9	57.55	-	-	P	V
		7386	45.02	-28.98	74	57.13	35.76	11.08	58.95	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz		4934	47.91	-26.09	74	62.86	33.7	8.9	57.55	-	-	P	H
		7401	45.62	-28.38	74	57.71	35.77	11.1	58.96	-	-	P	H
		4934	45.63	-28.37	74	60.58	33.7	8.9	57.55	-	-	P	V
		7401	46.33	-27.67	74	58.42	35.77	11.1	58.96	-	-	P	V
802.11g CH 13 2472MHz		4944	43.43	-30.57	74	58.35	33.7	8.94	57.56	-	-	P	H
		7416	46.19	-27.81	74	58.28	35.77	11.1	58.96	-	-	P	H
		4944	43.38	-30.62	74	58.3	33.7	8.94	57.56	-	-	P	V
		7416	45.85	-28.15	74	57.94	35.77	11.1	58.96	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2389.905	62.82	-11.18	74	57.81	31.7	5.55	32.24	104	241	P	H
		2389.905	48.47	-5.53	54	43.46	31.7	5.55	32.24	104	241	V	H
802.11n		2412	109.1	-	-	103.97	31.8	5.57	32.24	104	241	P	H
HT20		2412	98.58	-	-	93.45	31.8	5.57	32.24	104	241	V	H
CH 01		2369.85	51.56	-22.44	74	46.58	31.7	5.53	32.25	104	119	P	V
2412MHz		2389.905	41.33	-12.67	54	36.32	31.7	5.55	32.24	104	119	V	V
		2412	99.08	-	-	93.95	31.8	5.57	32.24	104	119	P	V
		2412	88.9	-	-	83.77	31.8	5.57	32.24	104	119	V	V
		2380.7	52.58	-21.42	74	47.6	31.7	5.53	32.25	121	228	P	H
		2388.4	42.66	-11.34	54	37.66	31.7	5.55	32.25	121	228	V	H
		2437	108.65	-	-	103.18	32	5.61	32.14	121	228	P	H
		2437	98.84	-	-	93.37	32	5.61	32.14	121	228	V	H
802.11n		2490.41	53.51	-20.49	74	47.68	32.1	5.68	31.95	121	228	P	H
HT20		2485.09	43.85	-10.15	54	38.07	32.07	5.66	31.95	121	228	V	H
CH 06		2366	51.02	-22.98	74	46.06	31.7	5.51	32.25	316	251	P	V
2437MHz		2377.48	41.34	-12.66	54	36.36	31.7	5.53	32.25	316	251	V	V
		2437	106.19	-	-	100.72	32	5.61	32.14	316	251	P	V
		2437	94.95	-	-	89.48	32	5.61	32.14	316	251	V	V
		2487.4	52.48	-21.52	74	46.7	32.07	5.66	31.95	316	251	P	V
		2483.55	42.23	-11.77	54	36.45	32.07	5.66	31.95	316	251	V	V
		2462	109.35	-	-	103.73	32.03	5.64	32.05	104	226	P	H
		2462	100.08	-	-	94.46	32.03	5.64	32.05	104	226	V	H
802.11n		2483.76	65.09	-8.91	74	59.31	32.07	5.66	31.95	104	226	P	H
HT20		2483.52	49.9	-4.1	54	44.12	32.07	5.66	31.95	104	226	V	H
CH 11		2462	105.72	-	-	100.1	32.03	5.64	32.05	312	259	P	V
2462MHz		2462	96.1	-	-	90.48	32.03	5.64	32.05	312	259	V	V
		2483.88	59.2	-14.8	74	53.42	32.07	5.66	31.95	312	259	P	V
		2483.56	45.69	-8.31	54	39.91	32.07	5.66	31.95	312	259	V	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 12 2467MHz		2467	107.3	-	-	101.58	32.03	5.64	31.95	108	228	P	H
		2467	97.73	-	-	92.01	32.03	5.64	31.95	108	228	V	H
		2483.72	63.99	-10.01	74	58.21	32.07	5.66	31.95	108	228	P	H
		2483.52	50.28	-3.72	54	44.5	32.07	5.66	31.95	108	228	V	H
		2467	102.63	-	-	96.91	32.03	5.64	31.95	314	260	P	V
		2467	92.89	-	-	87.17	32.03	5.64	31.95	314	260	V	V
		2484.32	58.77	-15.23	74	52.99	32.07	5.66	31.95	314	260	P	V
		2483.76	45.77	-8.23	54	39.99	32.07	5.66	31.95	314	260	V	V
802.11n HT20 CH 13 2472MHz		2472	102.47	-	-	96.69	32.07	5.66	31.95	104	226	P	H
		2472	92.46	-	-	86.68	32.07	5.66	31.95	104	226	V	H
		2484.04	62.23	-11.77	74	56.45	32.07	5.66	31.95	104	226	P	H
		2483.56	50.68	-3.32	54	44.9	32.07	5.66	31.95	104	226	V	H
		2472	97.98	-	-	92.2	32.07	5.66	31.95	307	279	P	V
		2472	87.91	-	-	82.13	32.07	5.66	31.95	307	279	V	V
		2483.56	57.17	-16.83	74	51.39	32.07	5.66	31.95	307	279	P	V
		2483.52	46.68	-7.32	54	40.9	32.07	5.66	31.95	307	279	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		4824	46.61	-27.39	74	61.58	33.8	8.71	57.48	–	–	P	H
HT20 CH 01 2412MHz		4824	43.02	-30.98	74	57.99	33.8	8.71	57.48	–	–	P	V
802.11n		4874	43.91	-30.09	74	58.91	33.73	8.79	57.52	–	–	P	H
HT20		7311	46.63	-27.37	74	58.74	35.72	11.09	58.92	–	–	P	H
CH 06		4874	43.17	-30.83	74	58.17	33.73	8.79	57.52	–	–	P	V
2437MHz		7311	47.35	-26.65	74	59.46	35.72	11.09	58.92	–	–	P	V
802.11n		4924	44.13	-29.87	74	59.08	33.7	8.9	57.55	–	–	P	H
HT20		7386	46.55	-27.45	74	58.66	35.76	11.08	58.95	–	–	P	H
CH 11		4924	43.93	-30.07	74	58.88	33.7	8.9	57.55	–	–	P	V
2462MHz		7386	46.38	-27.62	74	58.49	35.76	11.08	58.95	–	–	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		4934	46.36	-27.64	74	61.31	33.7	8.9	57.55	-	-	P	H
HT20		7401	46.17	-27.83	74	58.26	35.77	11.1	58.96	-	-	P	H
CH 12		4934	44.46	-29.54	74	59.41	33.7	8.9	57.55	-	-	P	V
2467MHz		7401	47.06	-26.94	74	59.15	35.77	11.1	58.96	-	-	P	V
802.11n		4944	44.42	-29.58	74	59.34	33.7	8.94	57.56	-	-	P	H
HT20		7416	47.07	-26.93	74	59.16	35.77	11.1	58.96	-	-	P	H
CH 13		4944	43.67	-30.33	74	58.59	33.7	8.94	57.56	-	-	P	V
2472MHz		7416	46.5	-27.5	74	58.59	35.77	11.1	58.96	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		30.97	23.81	-16.19	40	31.32	23.71	0.75	31.97	-	-		H
		134.76	26.8	-16.7	43.5	39.33	17.55	1.52	31.6	-	-		H
		185.2	22.18	-21.32	43.5	36.5	15.3	1.77	31.39	-	-		H
		417.03	27.26	-18.74	46	33.83	22.01	2.64	31.22	-	-		H
		665.35	27.55	-18.45	46	30.5	24.96	3.33	31.24	-	-		H
		969.93	31.46	-22.54	54	31.64	27.12	4.04	31.34	-	-		H
		30	33.84	-6.16	40	40.77	24.3	0.74	31.97	-	-		V
		130.88	29.2	-14.3	43.5	41.65	17.67	1.5	31.62	-	-		V
		288.02	23.16	-22.84	46	33.17	19.02	2.19	31.22	-	-		V
		561.56	25.06	-20.94	46	29.02	24.23	3.06	31.25	-	-		V
		760.41	27.65	-18.35	46	29.51	25.76	3.58	31.2	-	-		V
		945.68	31.2	-14.8	46	31.57	26.97	3.99	31.33	-	-		V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =

Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

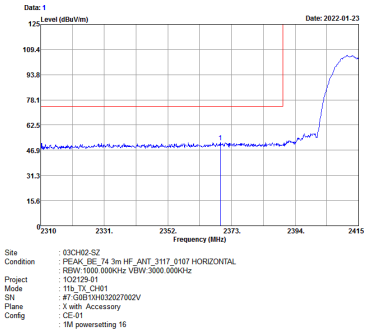
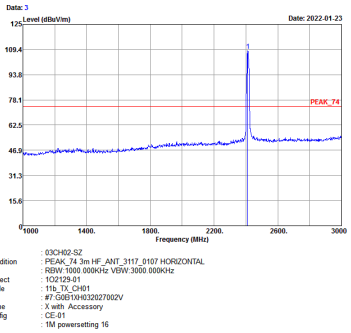
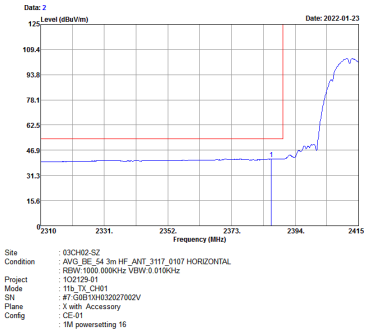
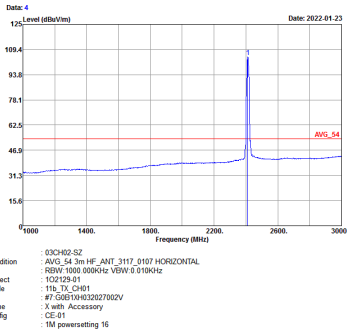
Appendix D. Radiated Spurious Emission Plots

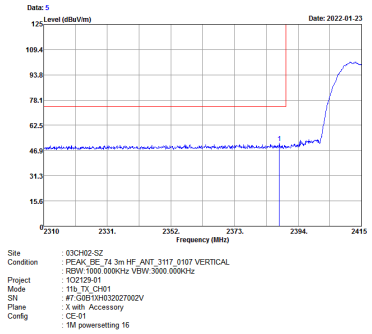
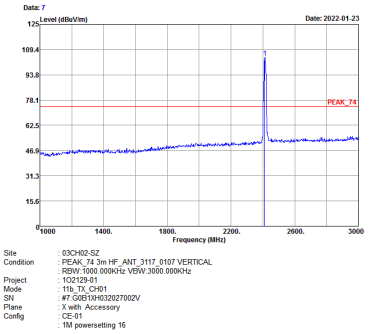
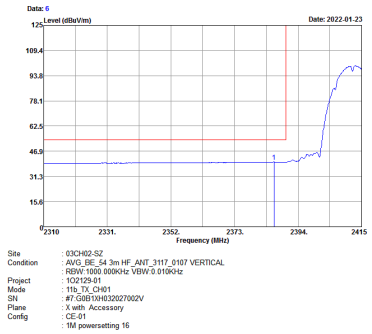
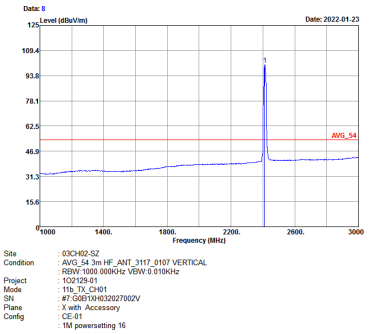
Note symbol

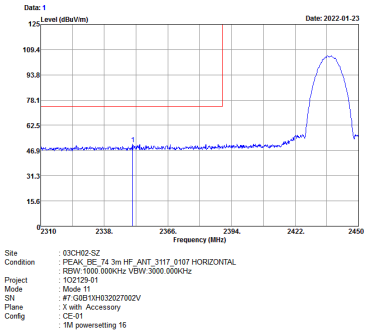
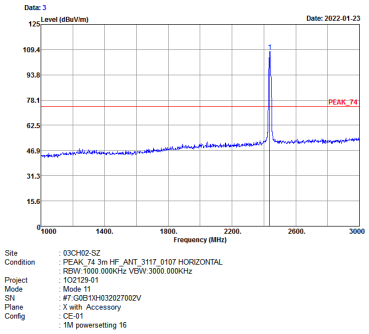
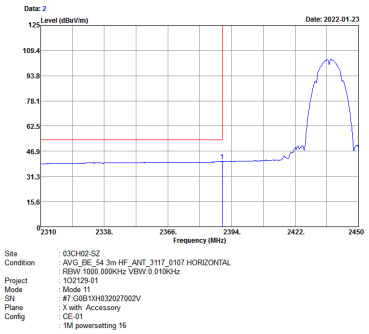
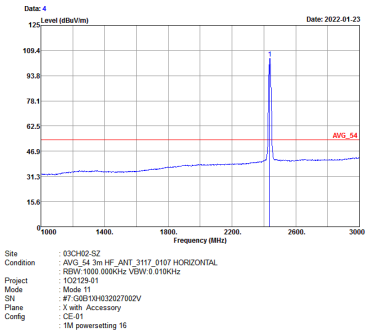
-L	**Low channel location**
-R	**High channel location**

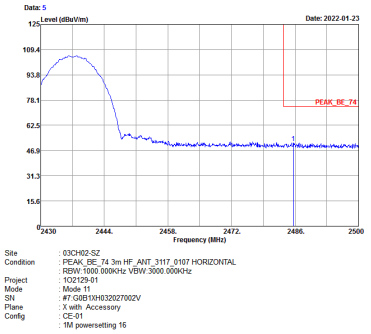
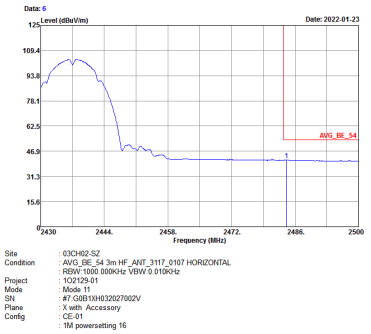
2.4GHz 2400~2483.5MHz

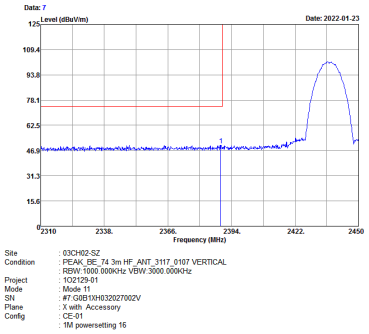
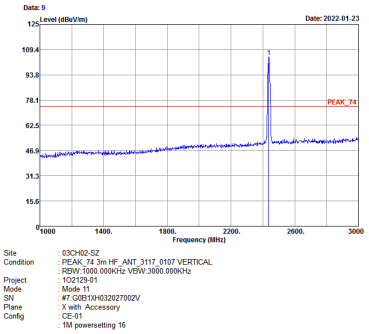
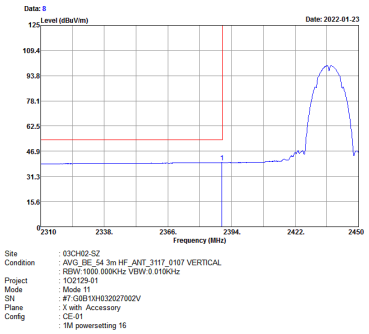
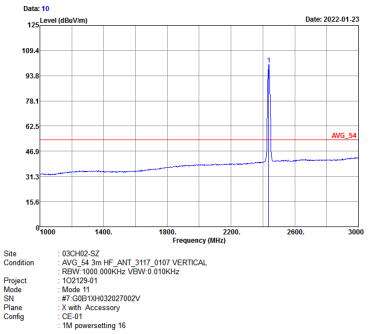
WIFI 802.11b (Band Edge @ 3m)

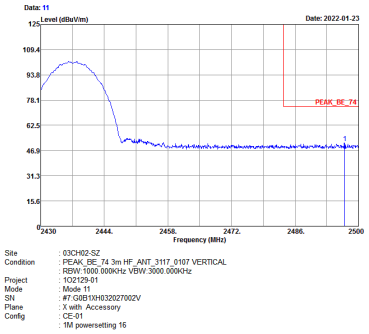
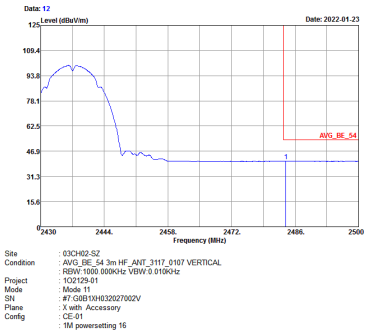
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

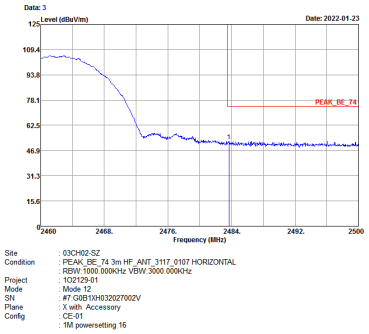
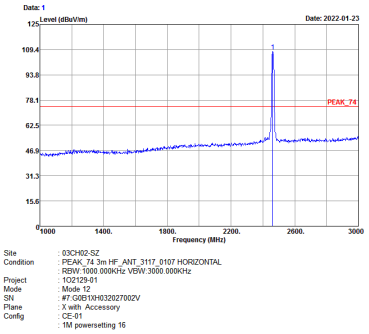
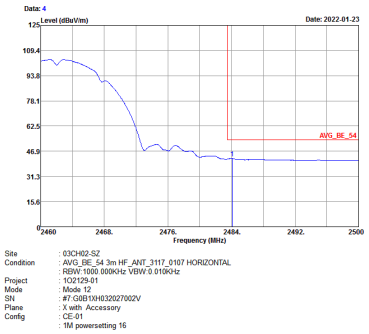
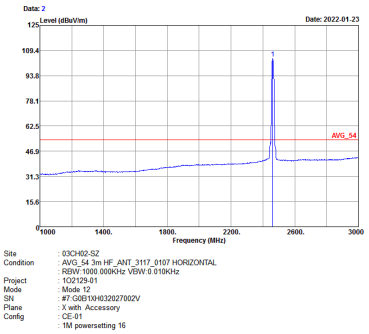
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

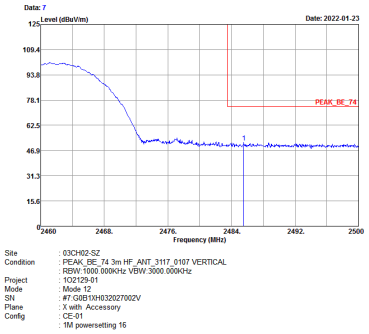
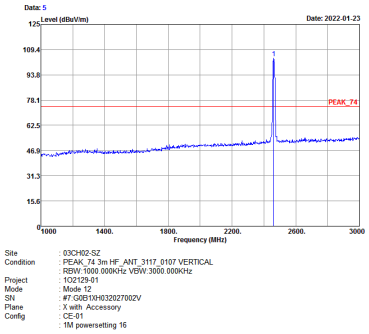
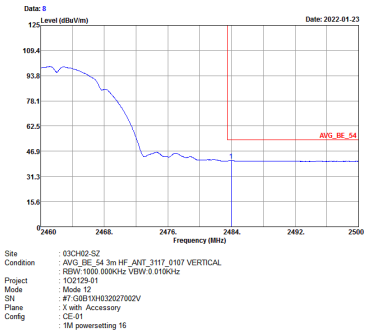
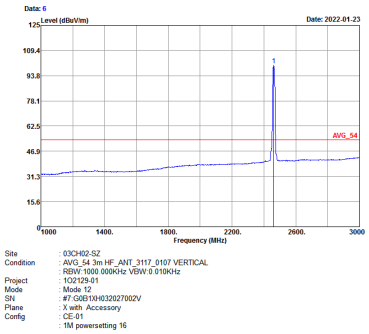
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

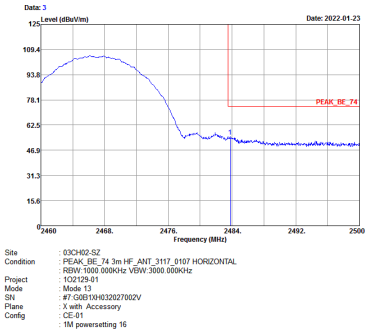
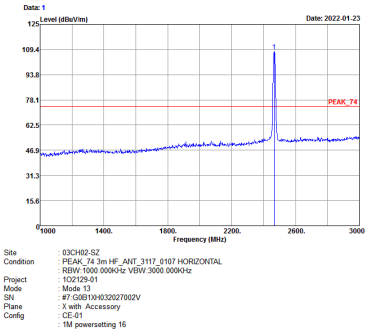
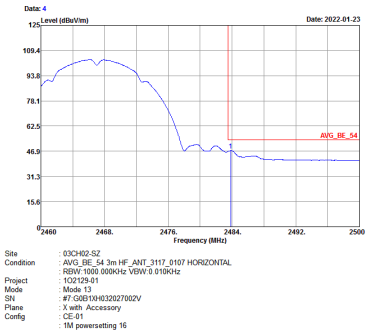
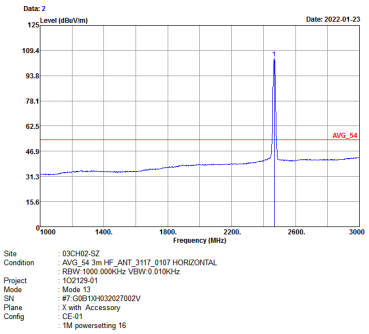
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

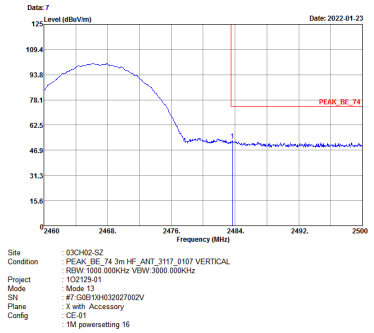
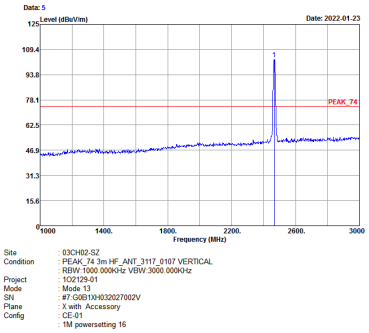
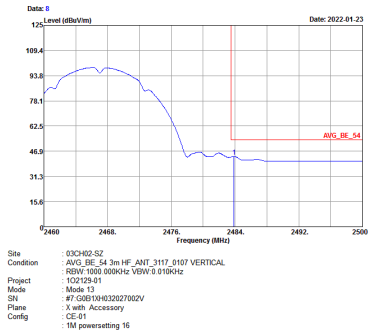
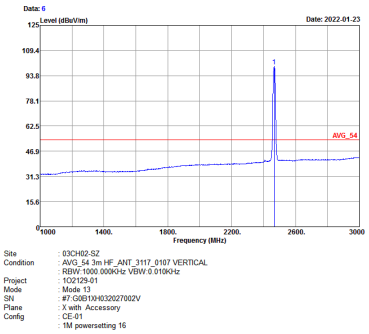
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

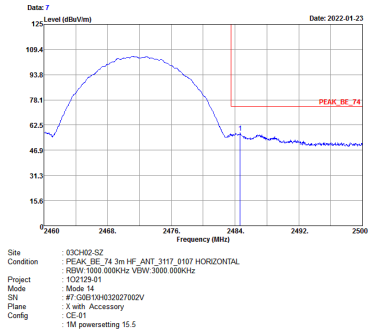
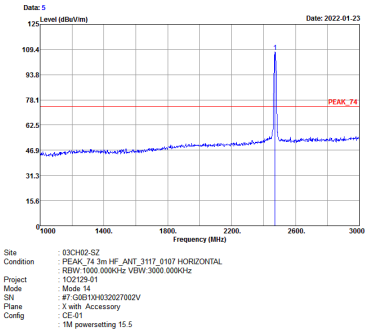
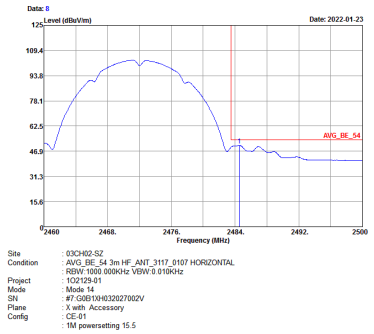
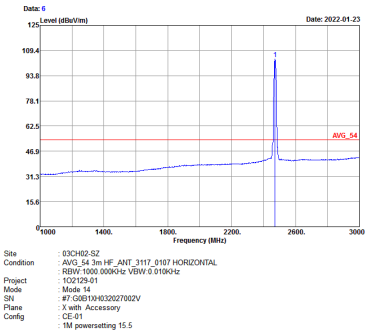
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

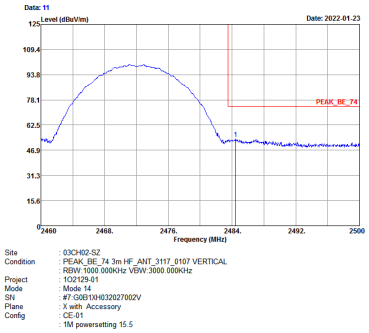
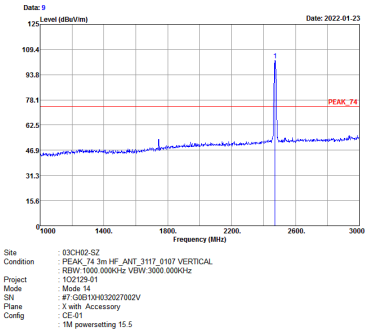
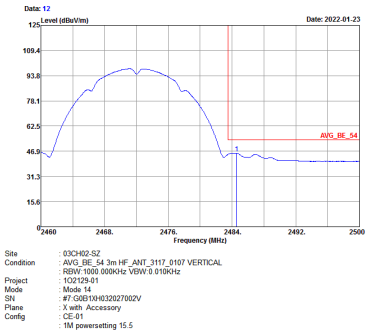
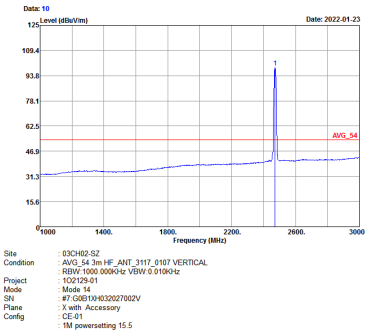
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

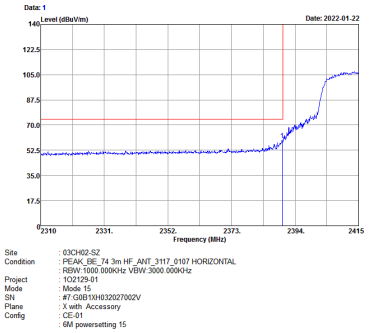
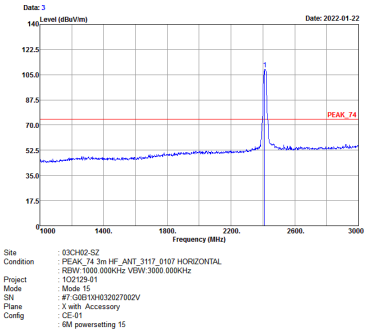
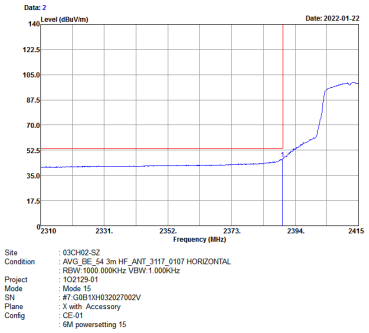
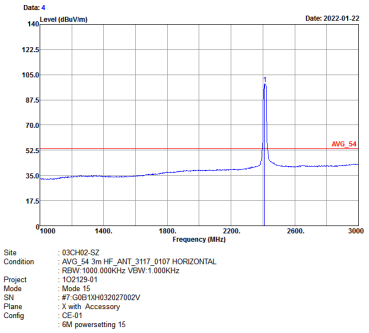
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Vertical	Fundamental
Peak		
Avg.		

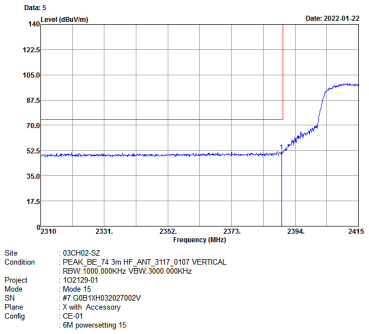
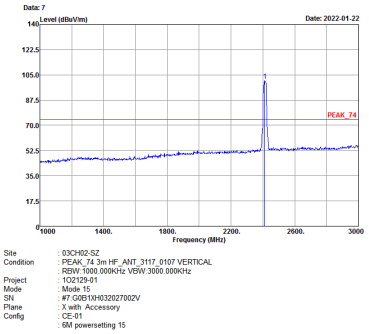
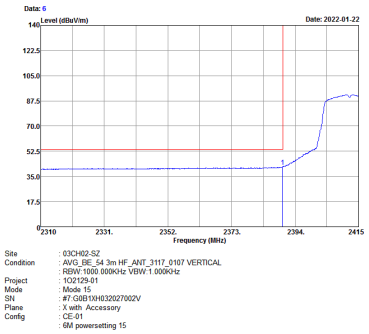
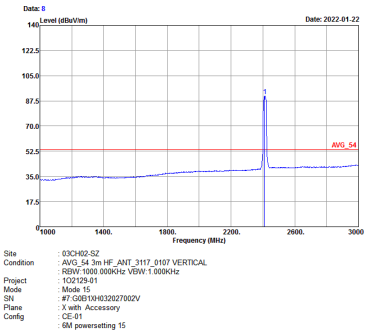
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

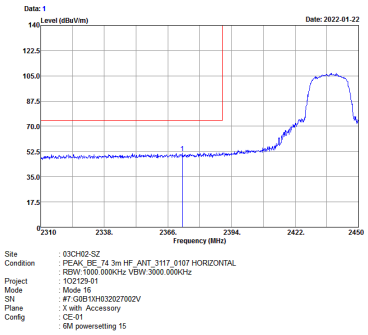
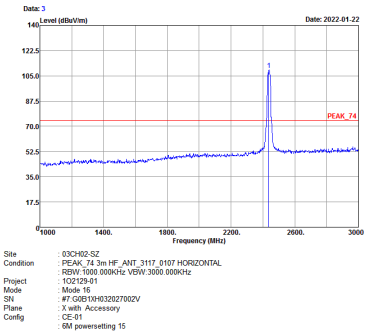
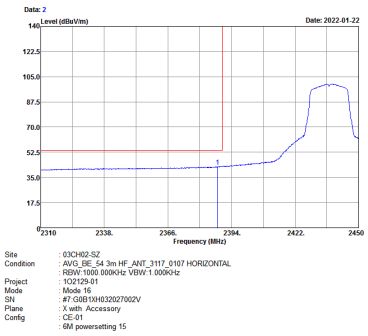
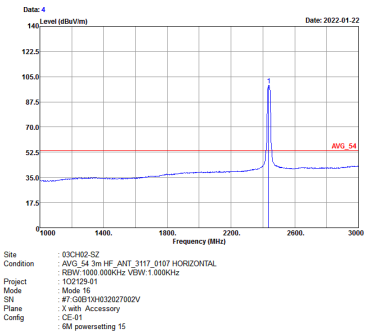
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Vertical	Fundamental
Peak		
Avg.		

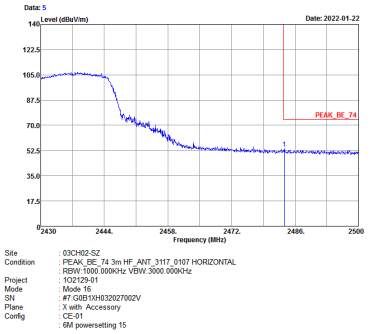
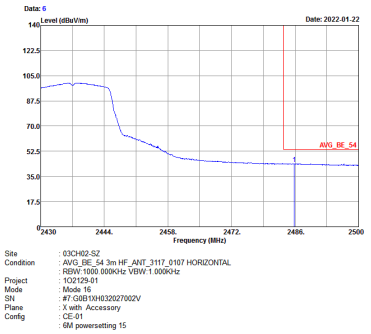
2.4GHz 2400~2483.5MHz

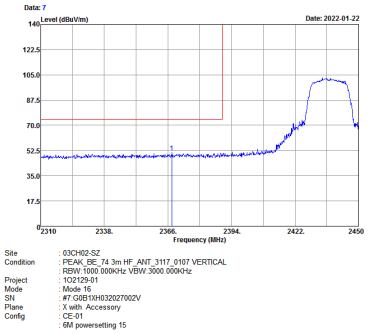
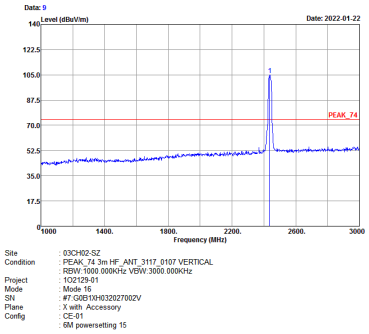
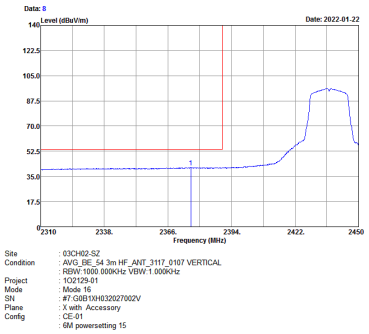
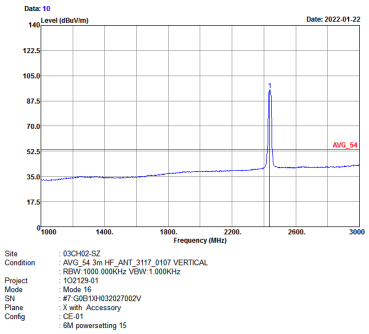
WIFI 802.11g (Band Edge @ 3m)

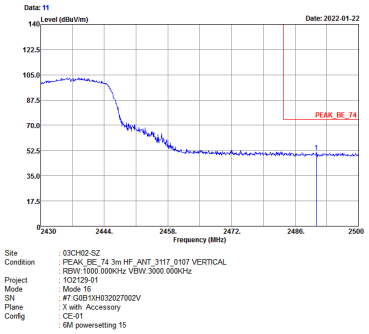
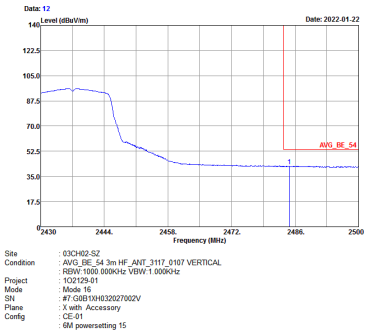
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

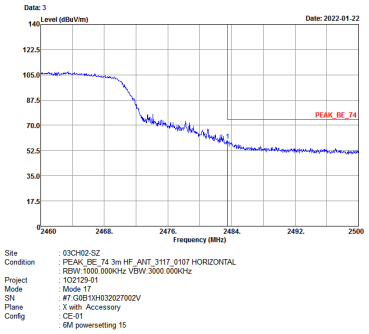
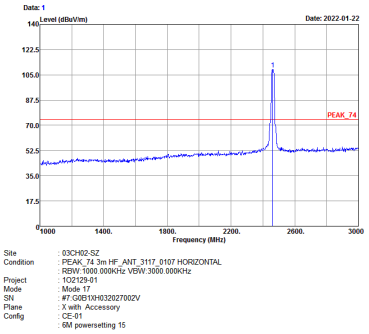
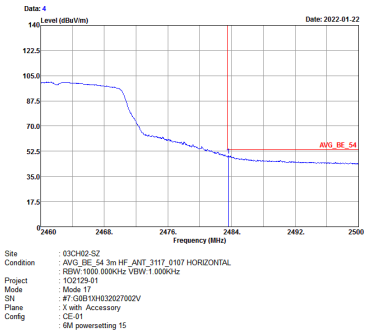
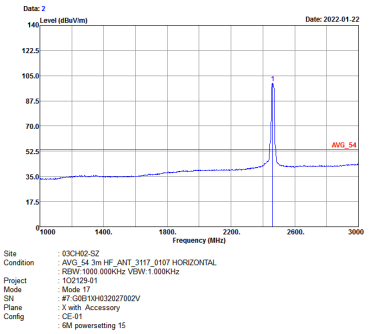
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

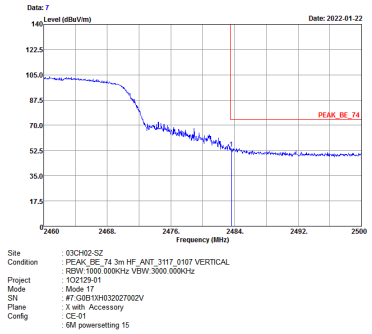
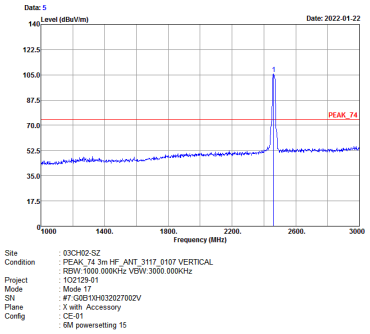
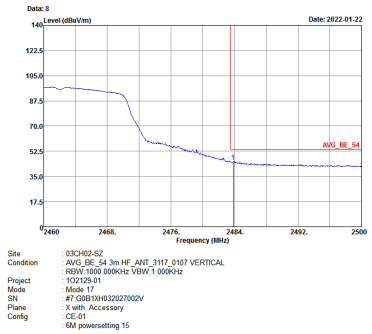
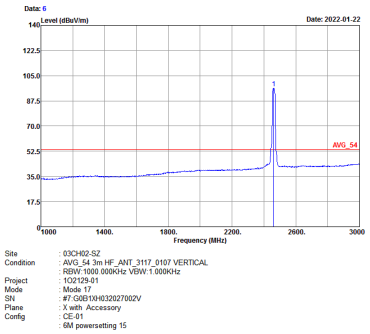
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

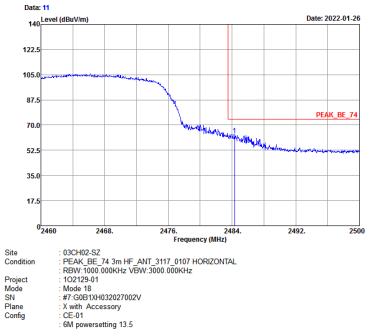
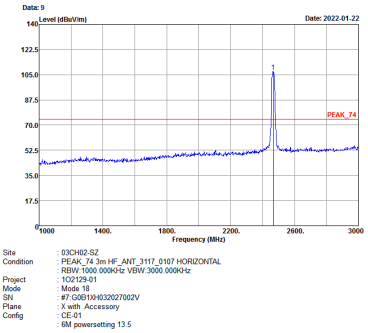
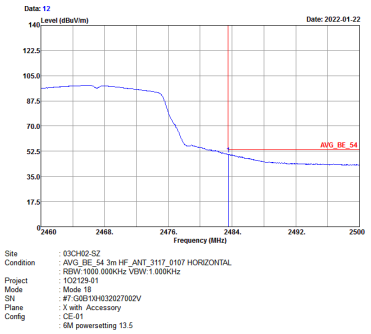
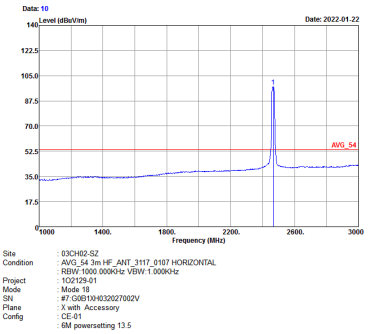
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

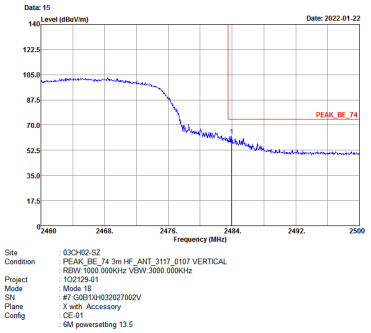
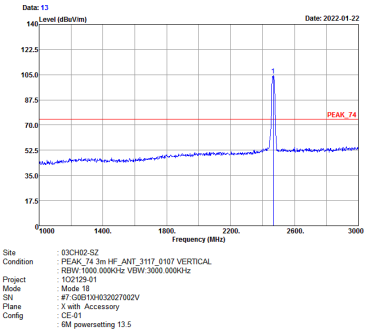
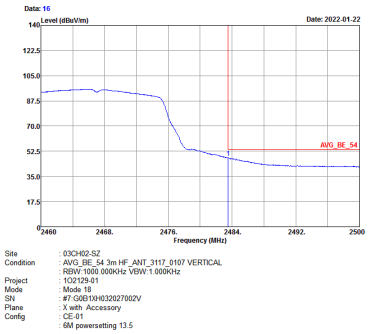
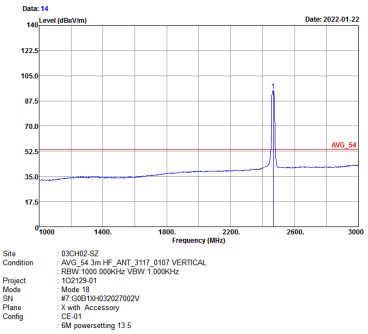
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

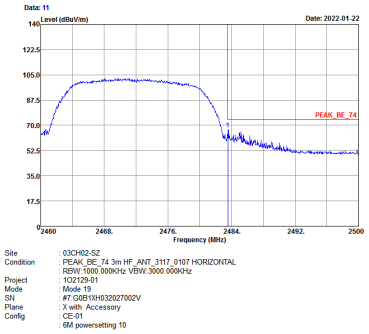
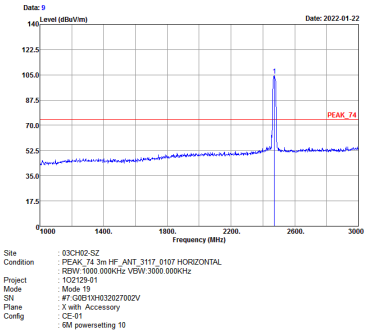
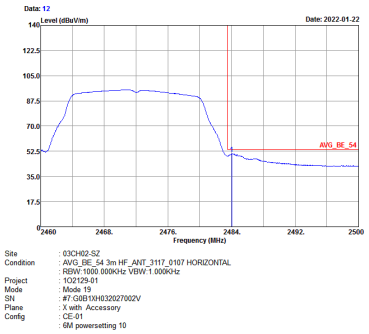
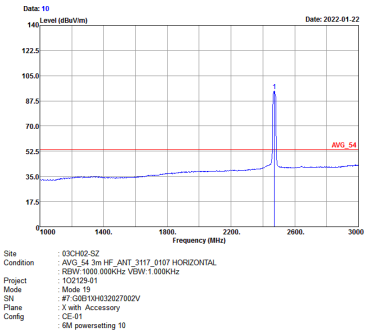
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

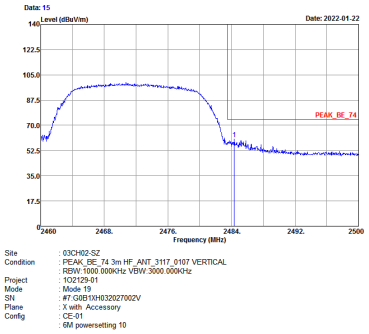
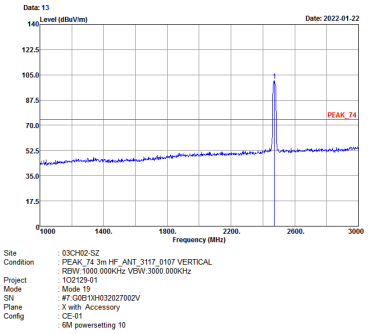
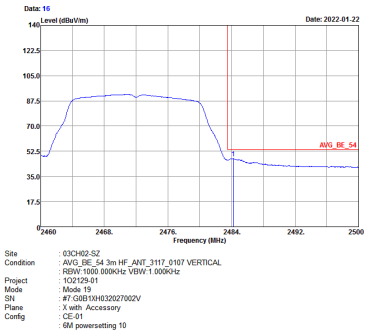
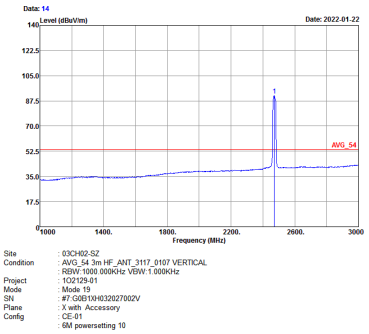
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

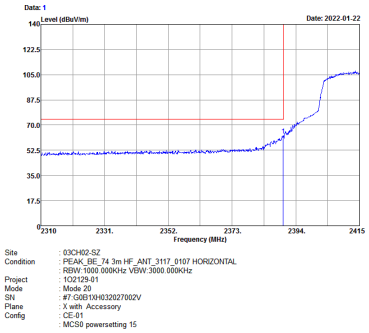
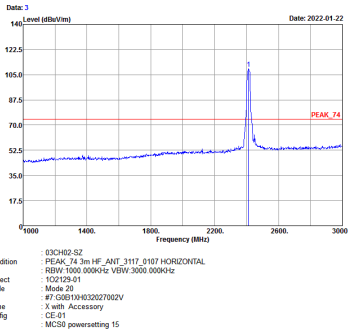
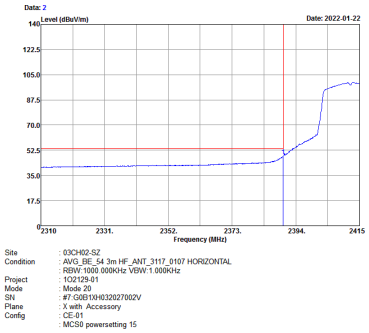
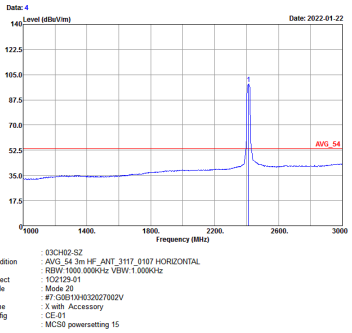
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Vertical	Fundamental
Peak		
Avg.		

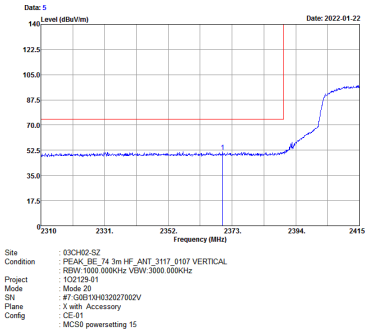
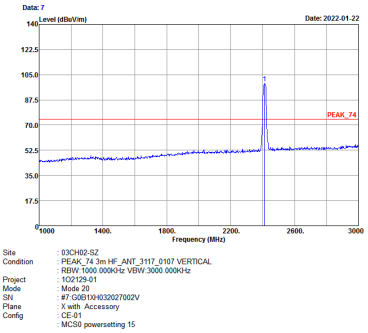
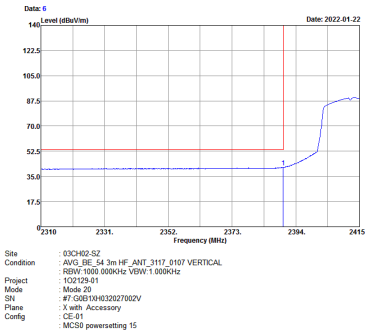
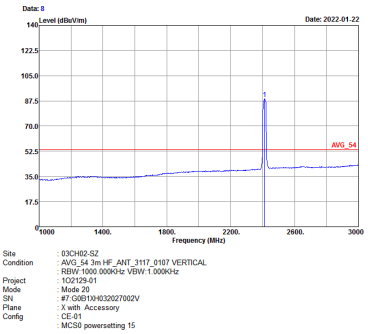
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

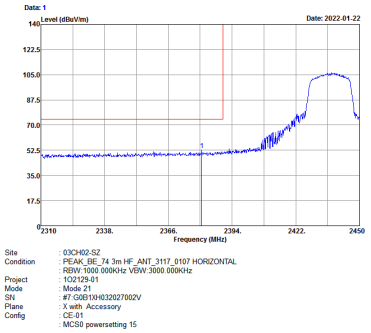
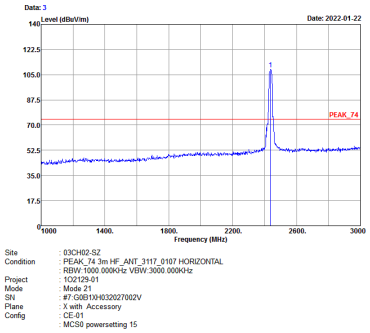
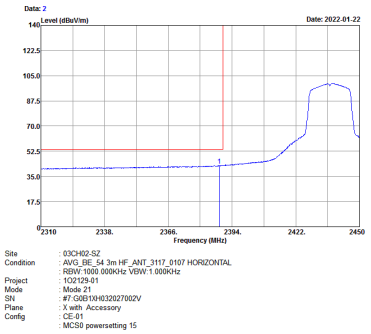
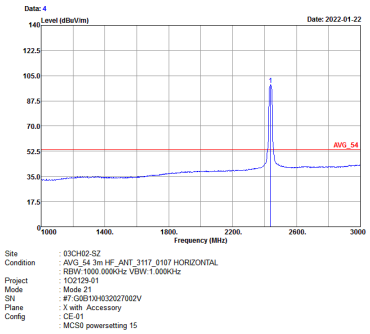
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Vertical	Fundamental
Peak		
Avg.		

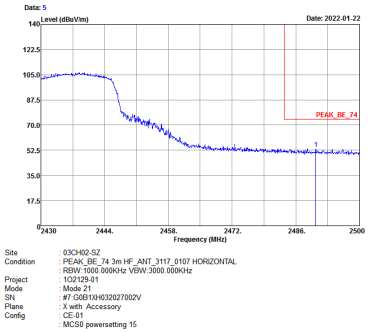
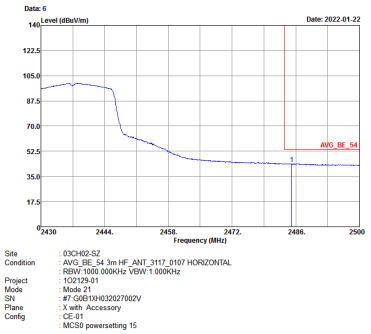
2.4GHz 2400~2483.5MHz

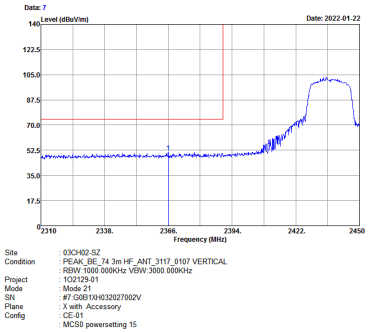
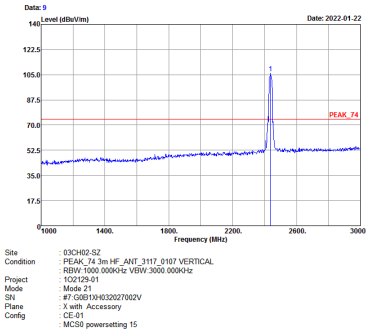
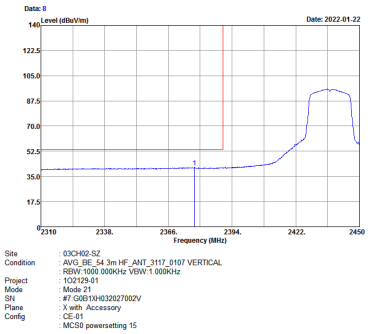
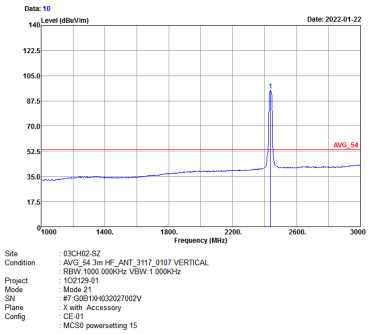
WIFI 802.11n HT20 (Band Edge @ 3m)

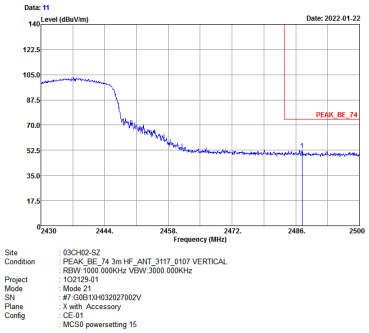
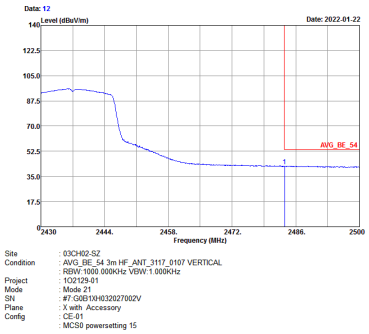
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

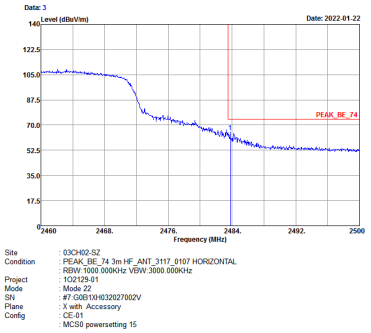
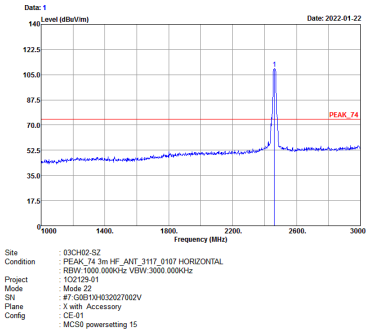
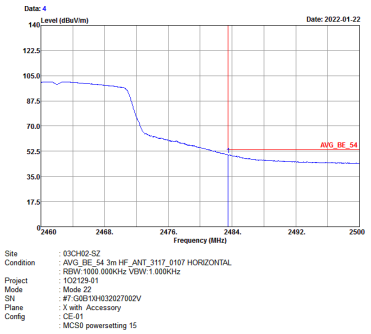
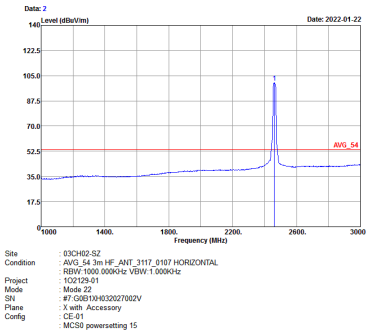
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

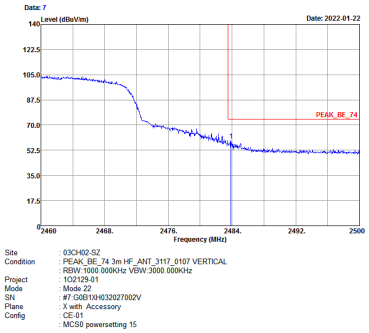
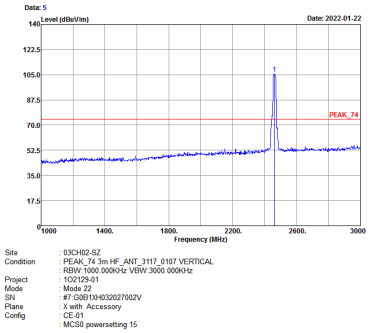
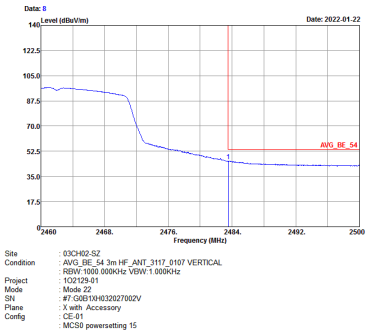
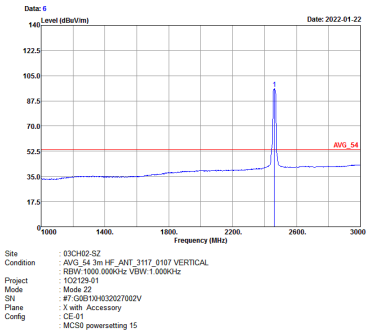
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

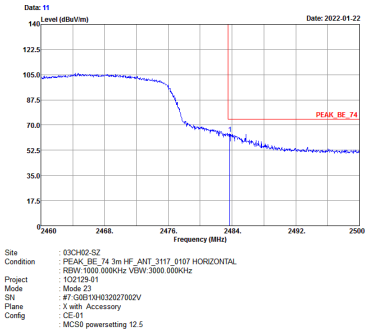
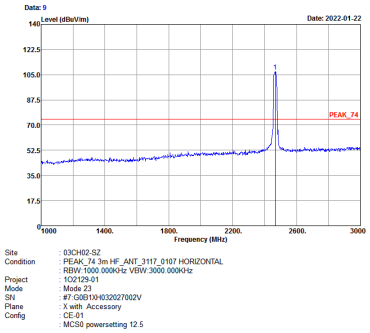
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Horizontal	Fundamental
Peak		
Avg.