



# FCC RADIO TEST REPORT

**FCC ID** : A4RGRY0E  
**Equipment** : Wireless Device  
**Model Name** : GRY0E  
**Applicant** : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
**Standard** : FCC Part 15 Subpart C §15.247

The product was received on Feb. 06, 2024 and testing was performed from Feb. 11, 2024 to Mar. 20, 2024. We, Sporton International Inc. Wensan Laboratory, 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 from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



# Table of Contents

**History of this test report..... 3**

**Summary of Test Result..... 4**

**1 General Description ..... 5**

    1.1 Product Feature of Equipment Under Test..... 5

    1.2 Modification of EUT ..... 5

    1.3 Testing Location ..... 6

    1.4 Applicable Standards..... 6

**2 Test Configuration of Equipment Under Test ..... 7**

    2.1 Carrier Frequency and Channel ..... 7

    2.2 Test Mode..... 8

    2.3 Connection Diagram of Test System..... 9

    2.4 Support Unit used in test configuration and system ..... 10

    2.5 EUT Operation Test Setup ..... 10

    2.6 Measurement Results Explanation Example..... 10

**3 Test Result ..... 11**

    3.1 6dB and 99% Bandwidth Measurement ..... 11

    3.2 Output Power Measurement..... 12

    3.3 Power Spectral Density Measurement ..... 13

    3.4 Conducted Band Edges and Spurious Emission Measurement ..... 14

    3.5 Radiated Band Edges and Spurious Emission Measurement ..... 15

    3.6 AC Conducted Emission Measurement..... 19

    3.7 Antenna Requirements ..... 21

**4 List of Measuring Equipment..... 22**

**5 Measurement Uncertainty ..... 24**

**Appendix A. Conducted Test Results**

**Appendix B. AC Conducted Emission Test Result**

**Appendix C. Radiated Spurious Emission**

**Appendix D. Radiated Spurious Emission Plots**

**Appendix E. Duty Cycle Plots**

**Appendix F. Setup Photographs**



### History of this test report

Report No.	Version	Description	Issue Date
FR420106C	01	Initial issue of report	Apr. 19, 2024



### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	2.76 dB under the limit at 2483.64 MHz
3.6	15.207	AC Conducted Emission	Pass	25.53 dB under the limit at 0.15 MHz
3.7	15.203	Antenna Requirement	Pass	-

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Yun Huang**  
**Report Producer: Michelle Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature
<b>General Specs</b> WCDMA/LTE, Bluetooth, BLE, BLE (CH2-76), Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, UWB and GPS.
<b>Antenna Type</b> WLAN: PIFA Antenna

EUT Information List	
S/N	Performed Test Item
1JE65011331050541D03FC0	RF Conducted Measurement
41311JEAYL0087	Radiated Spurious Emission
	Conducted Emission

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	-8.3

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.



### 1.3 Testing Location

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH05-HY, CO07-HY, 03CH13-HY

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW3786

### 1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



## 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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane as worst plane.
  
- 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	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		



## 2.2 Test Mode

This device support 26/52/106/242-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel.

The final test modes include the worst data rates for each modulation shown in the table below.

### Single Antenna

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11ax HE20	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :Bluetooth Link + WLAN (2.4GHz) Link + USB Cable (Charging from AC Adapter)

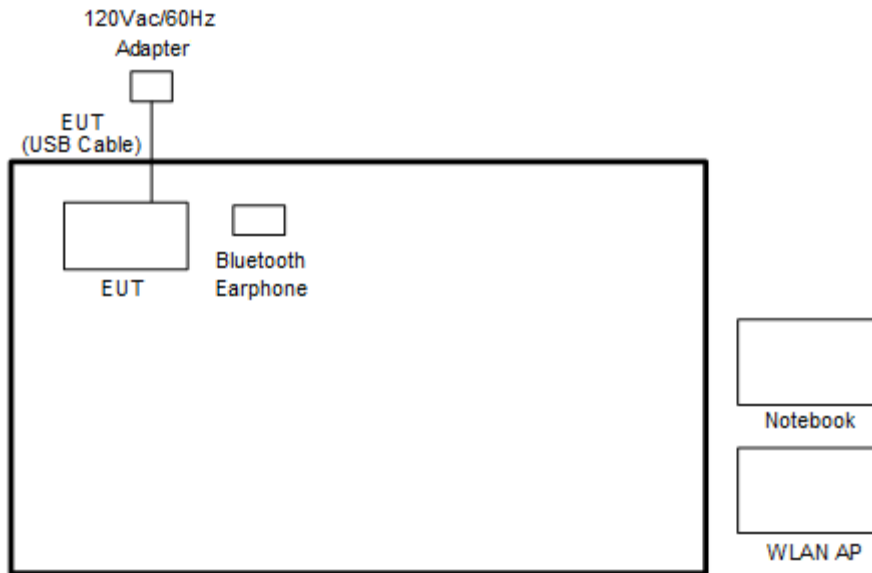
Ch. #	2400-2483.5 MHz			
	802.11b	802.11g	802.11n HT20	802.11ax HE20
Low	01	01	01	01
Low	06	06	06	06
Middle	11	11	11	11

**Remark:** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

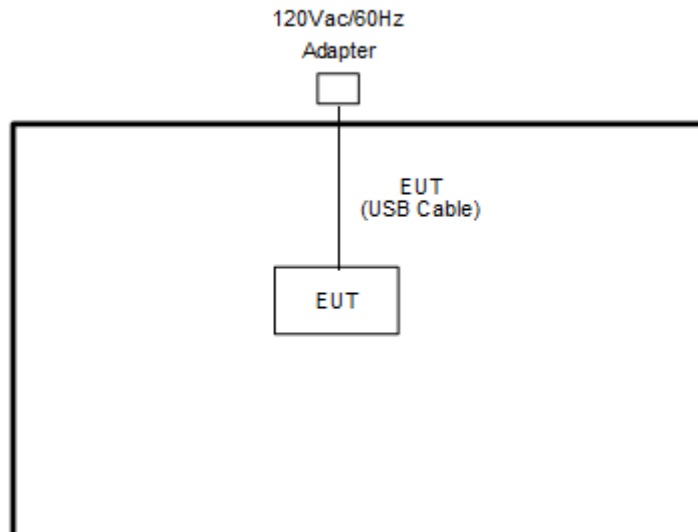


## 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





## 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Adapter	Chicony	G9BR1	N/A	N/A	N/A

## 2.5 EUT Operation Test Setup

The RF test items, utility “adb command 1.0.36” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 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 4.2 dB and 10 dB attenuator.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

### 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

Please refer to the measuring equipment list in this test report.

##### 3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
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.

## 3.2 Output Power Measurement

### 3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the peak 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 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

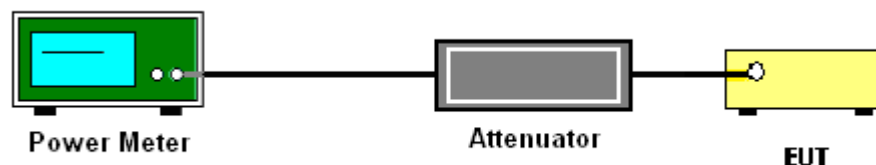
### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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 8 dBm in any 3 kHz band at any time interval of continuous transmission.

#### 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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.

## 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 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

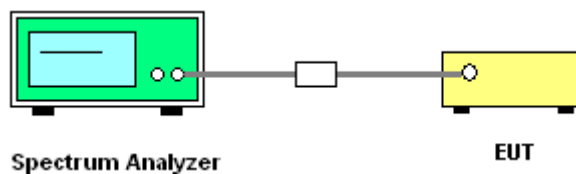
### 3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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

Please refer to Appendix A.



### 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 is 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

Please refer to the measuring equipment list in this test report.

#### 3.5.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is 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 is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.

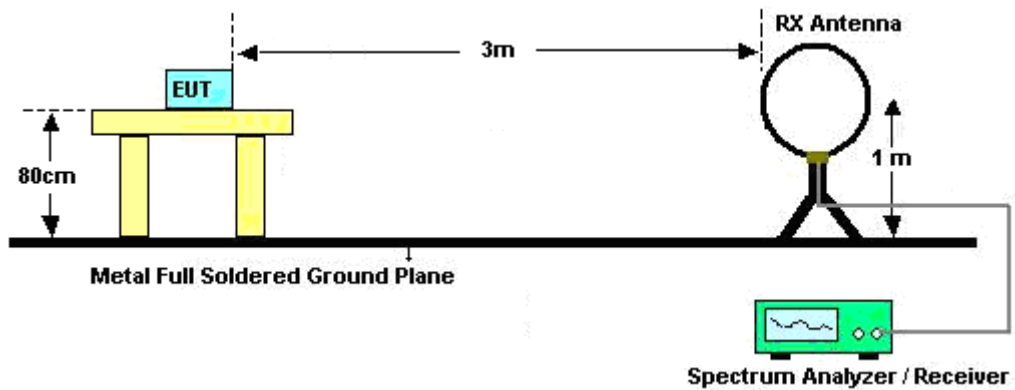
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-“.
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;  $VBW \geq RBW$ ; Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz,  $VBW = 3$  MHz for  $f \geq 1$  GHz for peak measurement.

For average measurement:

  - $VBW = 10$  Hz, when duty cycle is no less than 98 percent.
  - $VBW \geq 1/T$ , 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.

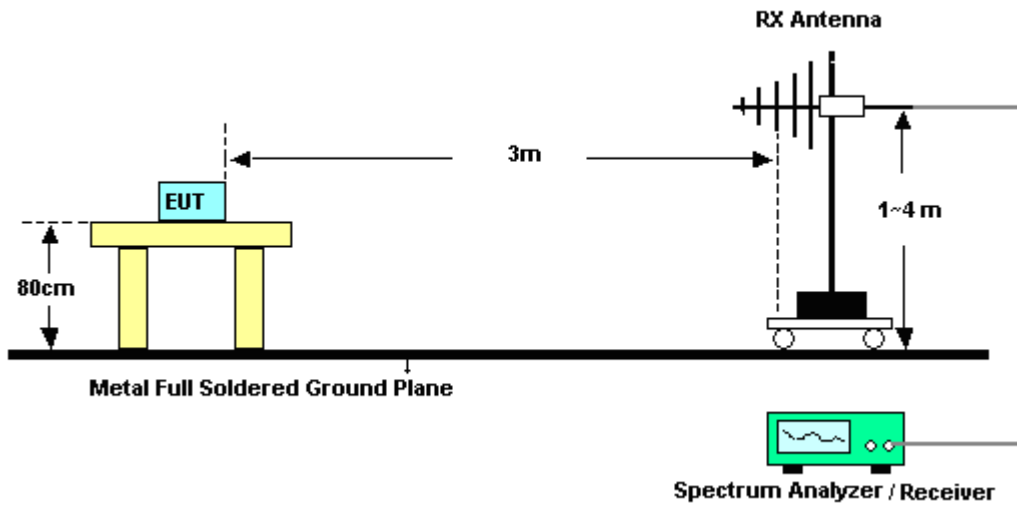
### 3.5.4 Test Setup

For radiated emissions below 30MHz

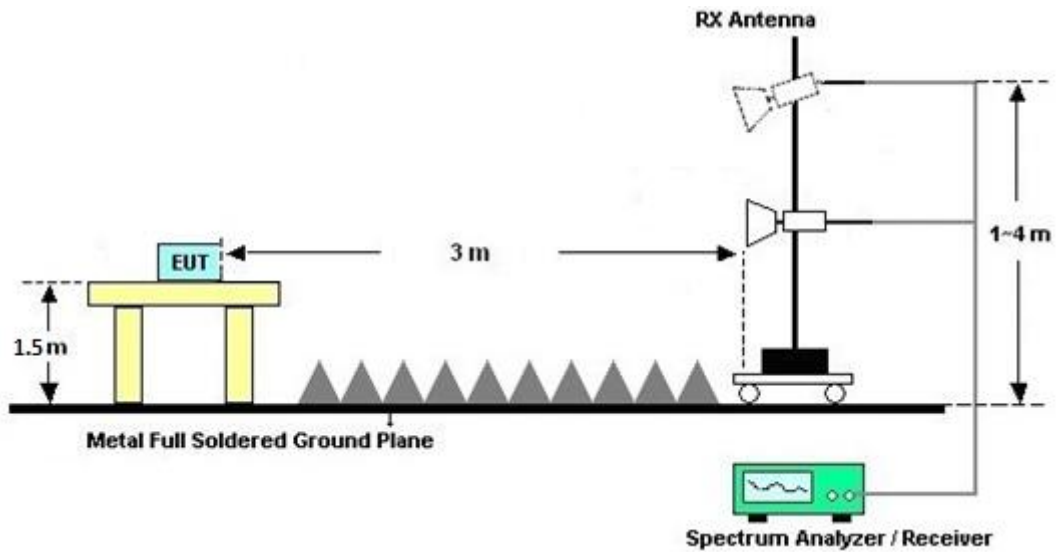




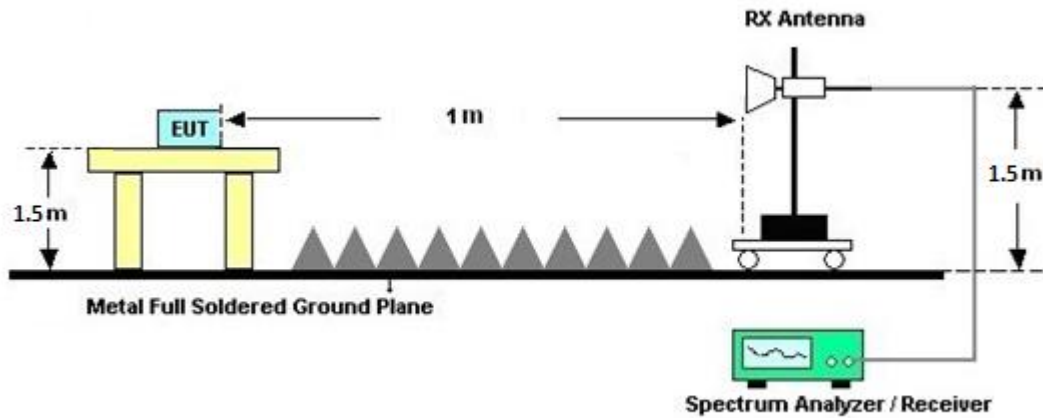
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

### 3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

### 3.5.7 Duty Cycle

Please refer to Appendix E.

### 3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix C and D.



### 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

Please refer to the measuring equipment list in this test report.

#### 3.6.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
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**

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.



## 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 23, 2024	Mar. 09, 2024~ Mar. 20, 2024	Feb. 22, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9k~30M	Mar. 06, 2024	Mar. 09, 2024~ Mar. 20, 2024	Mar. 05, 2025	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 13, 2023	Mar. 09, 2024~ Mar. 20, 2024	Dec. 12, 2024	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz~1GHz	Oct. 07, 2023	Mar. 09, 2024~ Mar. 20, 2024	Oct. 06, 2024	Radiation (03CH13-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Apr. 25, 2023	Mar. 09, 2024~ Mar. 20, 2024	Apr. 24, 2024	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Aug. 17, 2023	Mar. 09, 2024~ Mar. 20, 2024	Aug. 16, 2024	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 16, 2023	Mar. 09, 2024~ Mar. 20, 2024	May 15, 2024	Radiation (03CH13-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz~18GHz	Jan. 09, 2024	Mar. 09, 2024~ Mar. 20, 2024	Jan. 08, 2025	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Mar. 09, 2024~ Mar. 20, 2024	Jun. 26, 2024	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1223	18GHz-40GHz	Jul. 10, 2023	Mar. 09, 2024~ Mar. 20, 2024	Jul. 09, 2024	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 17, 2023	Mar. 09, 2024~ Mar. 20, 2024	Aug. 16, 2024	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Mar. 09, 2024~ Mar. 20, 2024	Jun. 13, 2024	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 10, 2023	Mar. 09, 2024~ Mar. 20, 2024	Jul. 09, 2024	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 08, 2024	Mar. 09, 2024~ Mar. 20, 2024	Mar. 07, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 07, 2024	Mar. 09, 2024~ Mar. 20, 2024	Feb. 06, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2, 804012/2	18GHz~40GHz	Jan. 02, 2024	Mar. 09, 2024~ Mar. 20, 2024	Jan. 01, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 07, 2024	Mar. 09, 2024~ Mar. 20, 2024	Feb. 06, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 07, 2024	Mar. 09, 2024~ Mar. 20, 2024	Feb. 06, 2025	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303A	TP215159	N/A	Sep. 13, 2023	Mar. 09, 2024~ Mar. 20, 2024	Sep. 12, 2024	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 09, 2024~ Mar. 20, 2024	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 09, 2024~ Mar. 20, 2024	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 09, 2024~ Mar. 20, 2024	N/A	Radiation (03CH13-HY)
Software	Audix	N/A	RK-001124	N/A	N/A	Mar. 09, 2024~ Mar. 20, 2024	N/A	Radiation (03CH13-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 15, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz-200MHz	Oct. 20, 2023	Mar. 15, 2024	Oct. 19, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Mar. 15, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Mar. 15, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Mar. 15, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Feb. 11, 2024~ Mar. 01, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Jun. 05, 2023	Feb. 11, 2024~ Mar. 01, 2024	Jun. 04, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2023	Feb. 11, 2024~ Mar. 01, 2024	Aug. 22, 2024	Conducted (TH05-HY)



## 5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.44 dB
---	---------

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.50 dB
---	---------

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.20 dB
---	---------

### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.60 dB
---	---------

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.30 dB
---	---------



**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2024/2/11~2024/3/1	Relative Humidity:	51~54	%

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

2.4GHz Band Single Antenna										
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	13.19	-	8.52	-	0.50	Pass
11b	1Mbps	1	6	2437	13.24	-	8.55	-	0.50	Pass
11b	1Mbps	1	11	2462	13.14	-	8.55	-	0.50	Pass
11g	6Mbps	1	1	2412	17.33	-	16.34	-	0.50	Pass
11g	6Mbps	1	6	2437	17.33	-	16.32	-	0.50	Pass
11g	6Mbps	1	11	2462	17.13	-	16.33	-	0.50	Pass
HT20	MCS0	1	1	2412	18.33	-	17.56	-	0.50	Pass
HT20	MCS0	1	6	2437	18.43	-	17.32	-	0.50	Pass
HT20	MCS0	1	11	2462	18.23	-	17.57	-	0.50	Pass

**TEST RESULTS DATA**  
**Average Output Power**

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	-	SUM	Ant1	-	Ant1	-	Ant1	-	Ant1	-	
11b	1Mbps	1	1	2412	18.30	-		30.00	-	-8.30	-	10.00	-	36.00	-	Pass
11b	1Mbps	1	6	2437	18.30	-		30.00	-	-8.30	-	10.00	-	36.00	-	Pass
11b	1Mbps	1	11	2462	18.40	-		30.00	-	-8.30	-	10.10	-	36.00	-	Pass
11g	6Mbps	1	1	2412	18.10	-		30.00	-	-8.30	-	9.80	-	36.00	-	Pass
11g	6Mbps	1	6	2437	18.10	-		30.00	-	-8.30	-	9.80	-	36.00	-	Pass
11g	6Mbps	1	11	2462	18.20	-		30.00	-	-8.30	-	9.90	-	36.00	-	Pass
HT20	MCS0	1	1	2412	18.20	-		30.00	-	-8.30	-	9.90	-	36.00	-	Pass
HT20	MCS0	1	6	2437	18.10	-		30.00	-	-8.30	-	9.80	-	36.00	-	Pass
HT20	MCS0	1	11	2462	18.20	-		30.00	-	-8.30	-	9.90	-	36.00	-	Pass

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

**TEST RESULTS DATA**  
**Peak Power Spectral Density**

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant1	-	Worse + 3.01	Ant1	-	Ant1	-	
11b	1Mbps	1	1	2412	-3.69	-		-8.30	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-4.18	-		-8.30	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-3.84	-		-8.30	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-7.97	-		-8.30	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-7.78	-		-8.30	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-7.51	-		-8.30	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-7.96	-		-8.30	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-8.11	-		-8.30	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-8.26	-		-8.30	-	8.00	-	Pass

Measured power density (dBm) has offset with cable loss.

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

2.4GHz Band Single Antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
						Ant1	-	Ant1	-		
HE20	MCS0	1	1	2412	Full	19.23	-	18.89	-	0.50	Pass
HE20	MCS0	1	6	2437	Full	19.28	-	18.96	-	0.50	Pass
HE20	MCS0	1	11	2462	Full	19.23	-	18.98	-	0.50	Pass

**TEST RESULTS DATA**  
**Average Output Power**

2.4GHz Band Single Antenna																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	-	SUM	Ant1	-	Ant1	-	Ant1	-	Ant1	-	
HE20	MCS0	1	1	2412	Full	18.10	-		30.00	-	-8.30	-	9.80	-	36.00	-	Pass
HE20	MCS0	1	1	2412	26/0	10.00	-		30.00	-	-8.30	-	1.70	-	36.00	-	Pass
HE20	MCS0	1	1	2412	52/37	12.50	-		30.00	-	-8.30	-	4.20	-	36.00	-	Pass
HE20	MCS0	1	1	2412	106/53	14.40	-		30.00	-	-8.30	-	6.10	-	36.00	-	Pass
HE20	MCS0	1	6	2437	Full	18.10	-		30.00	-	-8.30	-	9.80	-	36.00	-	Pass
HE20	MCS0	1	6	2437	26/4	10.00	-		30.00	-	-8.30	-	1.70	-	36.00	-	Pass
HE20	MCS0	1	6	2437	52/38	12.40	-		30.00	-	-8.30	-	4.10	-	36.00	-	Pass
HE20	MCS0	1	6	2437	106/53	15.00	-		30.00	-	-8.30	-	6.70	-	36.00	-	Pass
HE20	MCS0	1	11	2462	Full	18.10	-		30.00	-	-8.30	-	9.80	-	36.00	-	Pass
HE20	MCS0	1	11	2462	26/8	9.80	-		30.00	-	-8.30	-	1.50	-	36.00	-	Pass
HE20	MCS0	1	11	2462	52/40	11.90	-		30.00	-	-8.30	-	3.60	-	36.00	-	Pass
HE20	MCS0	1	11	2462	106/54	14.60	-		30.00	-	-8.30	-	6.30	-	36.00	-	Pass

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

**TEST RESULTS DATA**  
**Peak Power Spectral Density**

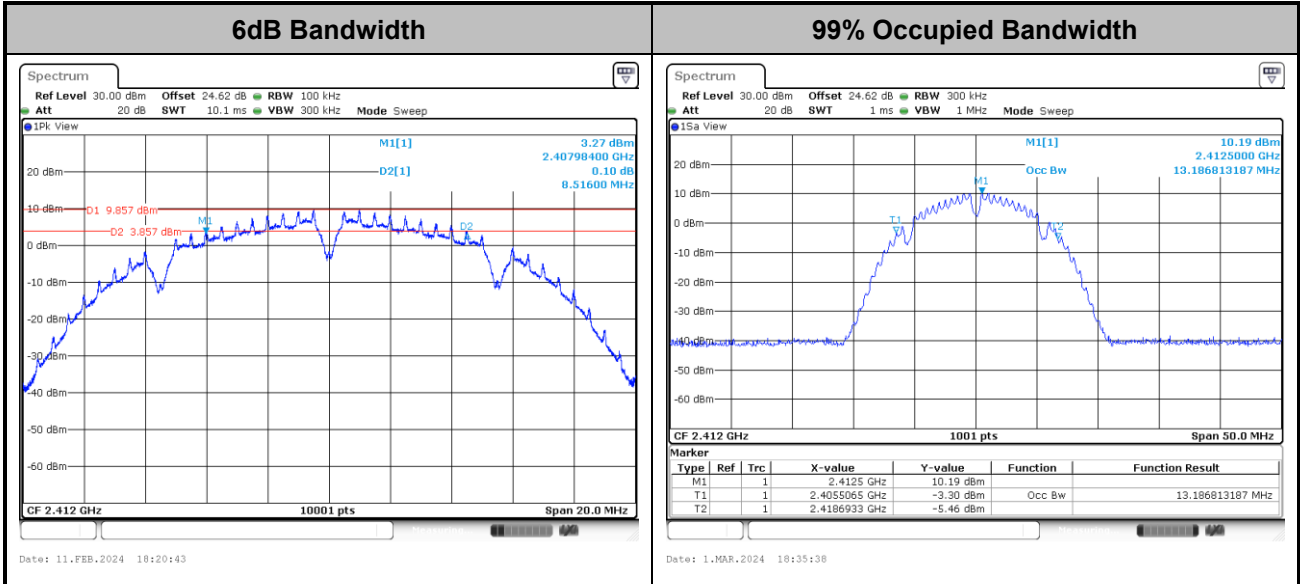
2.4GHz Band Single Antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant1	-	Worse + 3.01	Ant1	-	Ant1	-	
HE20	MCS0	1	1	2412	Full	-8.22	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	1	2412	26/0	-8.46	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	1	2412	52/37	-8.36	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	1	2412	106/53	-8.24	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	6	2437	Full	-8.66	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	6	2437	26/4	-8.79	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	6	2437	52/38	-9.03	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	6	2437	106/53	-8.69	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	11	2462	Full	-8.59	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	11	2462	26/8	-8.75	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	11	2462	52/40	-8.73	-		-8.30	-	8.00	-	Pass
HE20	MCS0	1	11	2462	106/54	-8.86	-		-8.30	-	8.00	-	Pass

Measured power density (dBm) has offset with cable loss.



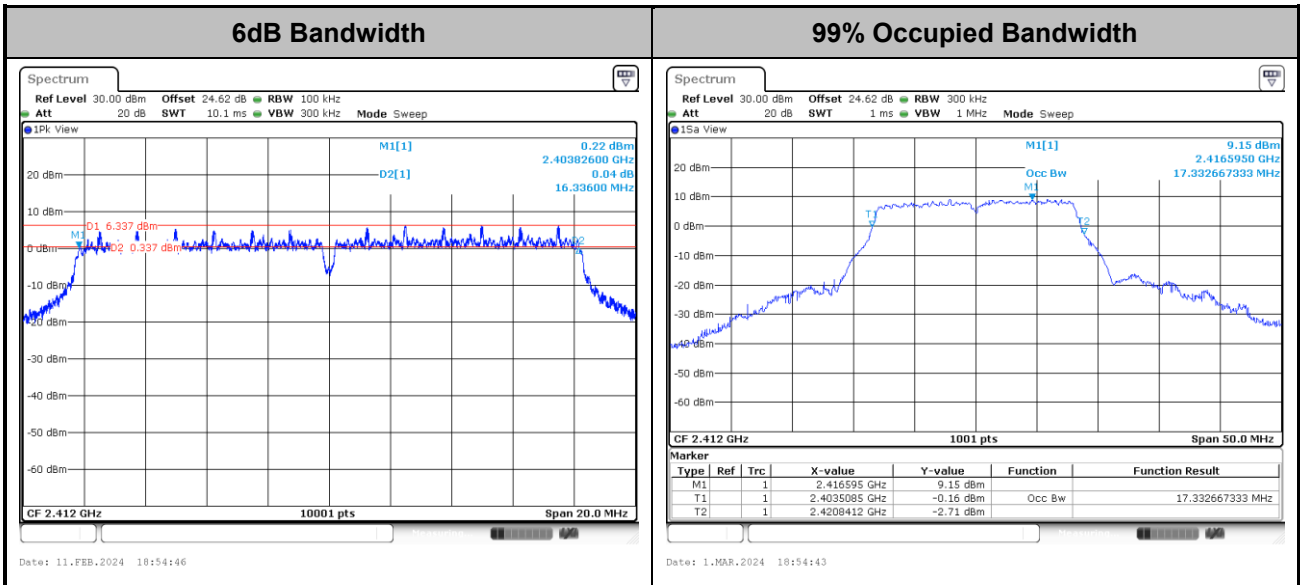
6dB and 99% Occupied Bandwidth

<802.11b>



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

<802.11g>

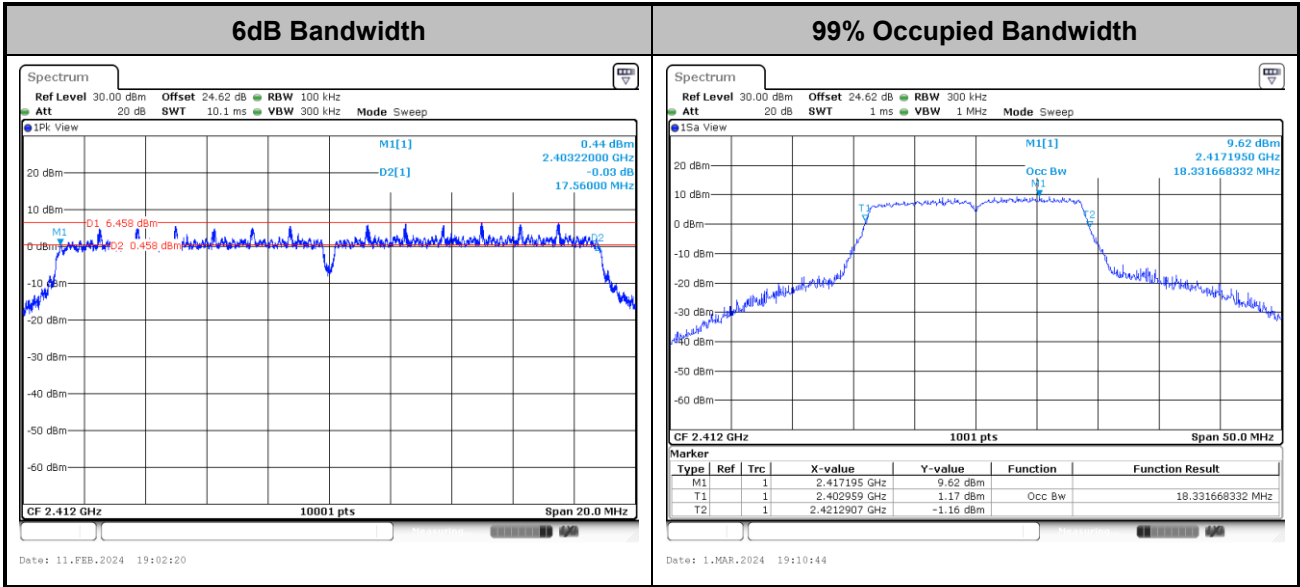


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



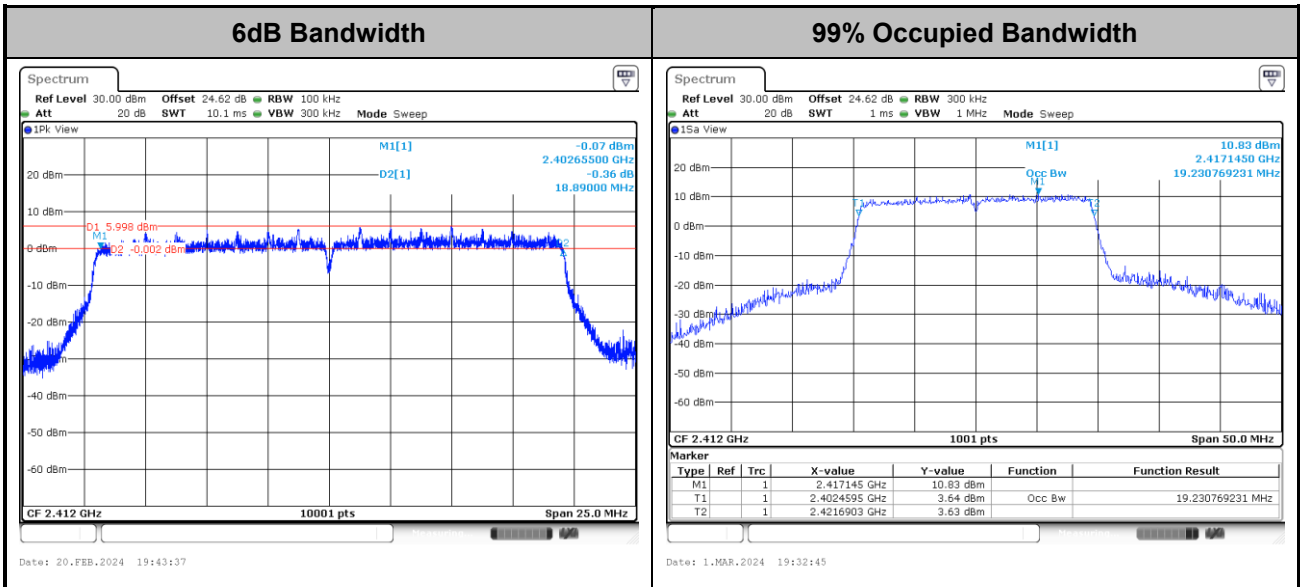


<802.11n HT20>



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

<802.11ax HE20>

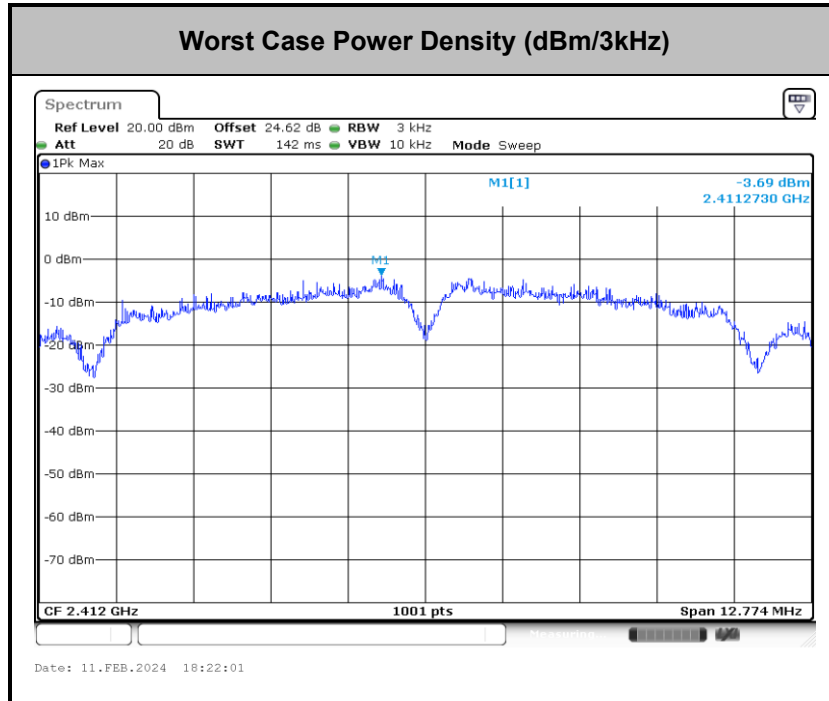


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

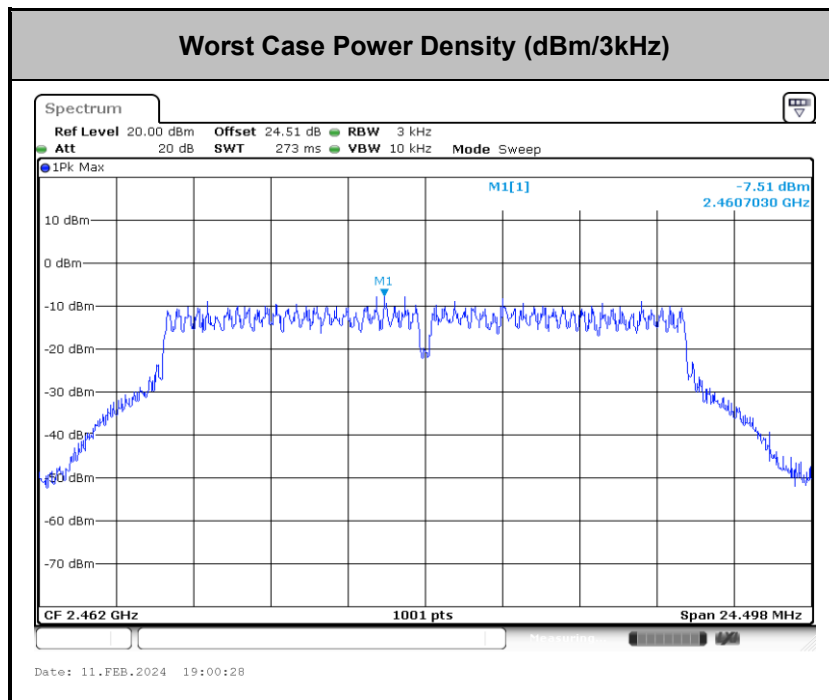


**Power Spectral Density(dBm/3kHz)**

<802.11b>

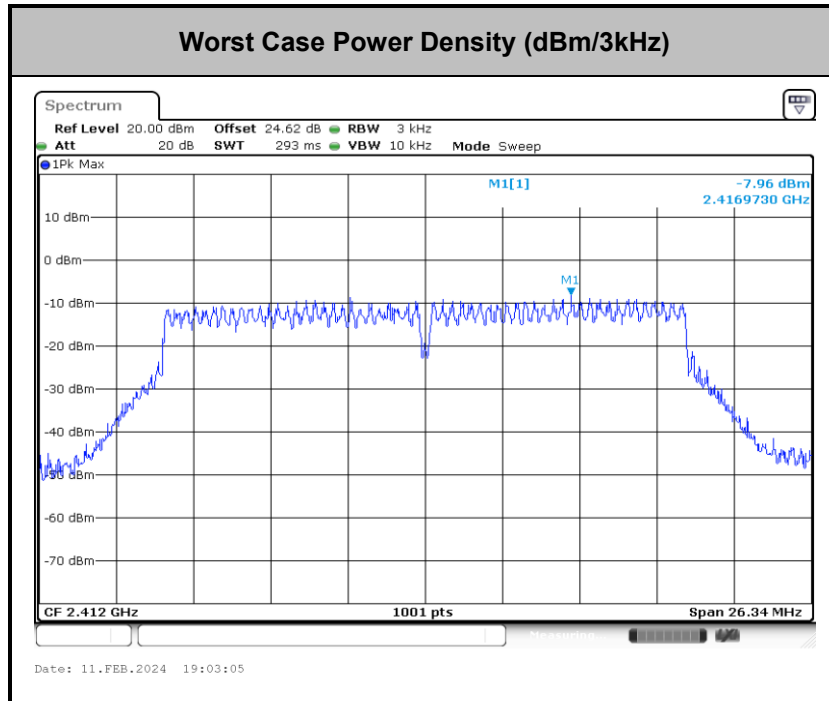


<802.11g>

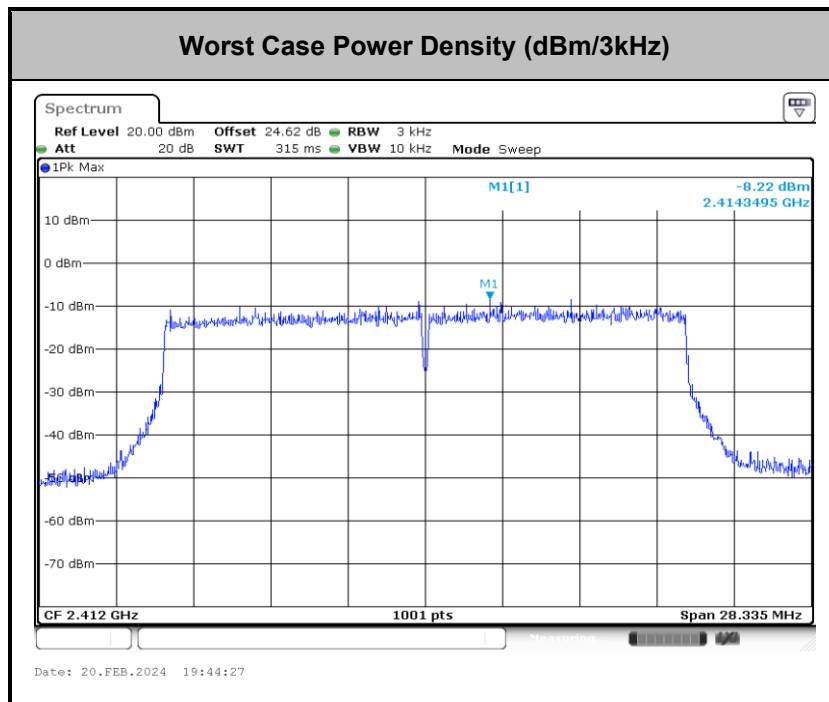




<802.11n HT20>



<802.11ax HE20>

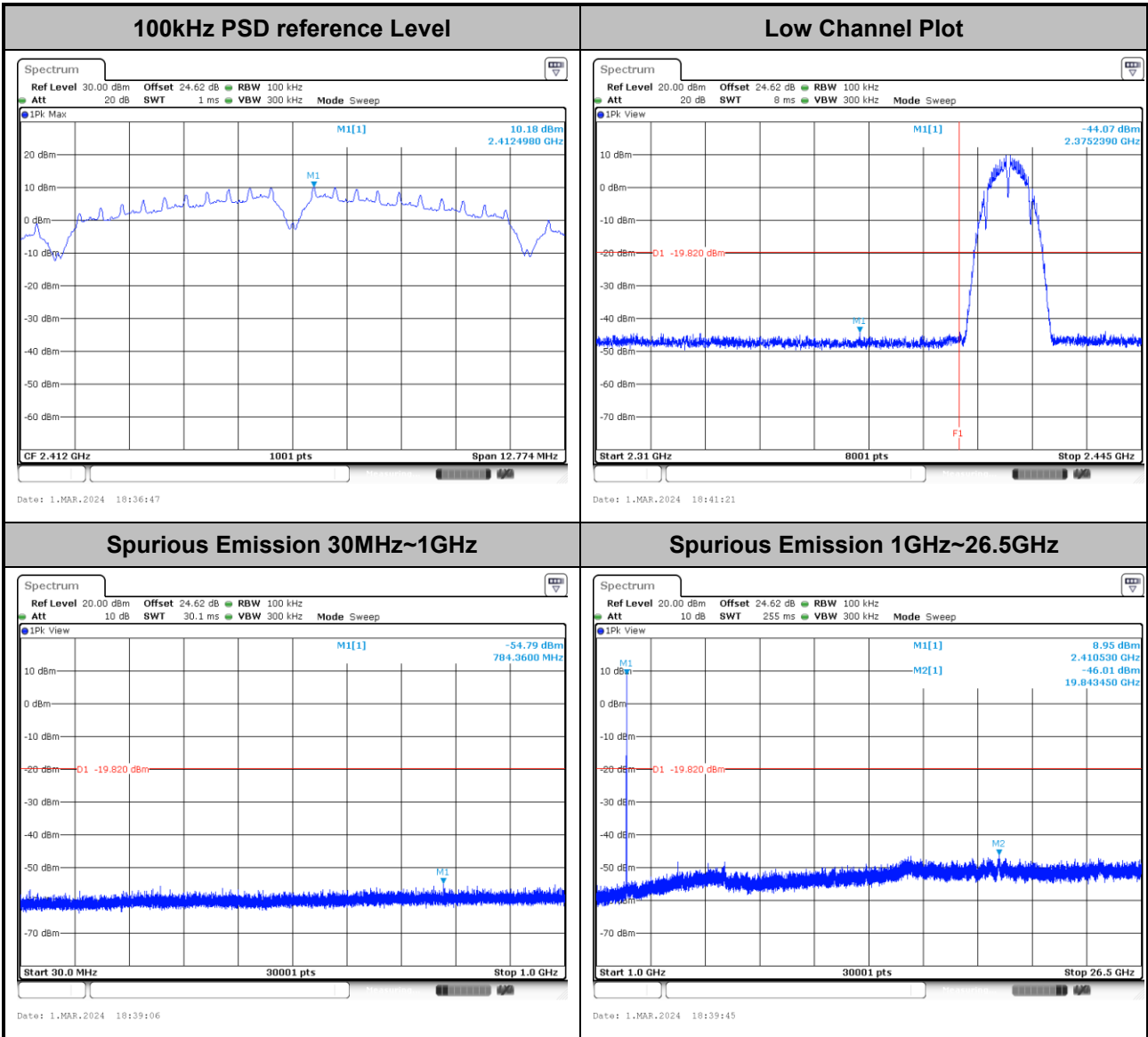




**Band Edges and Spurious Emission**

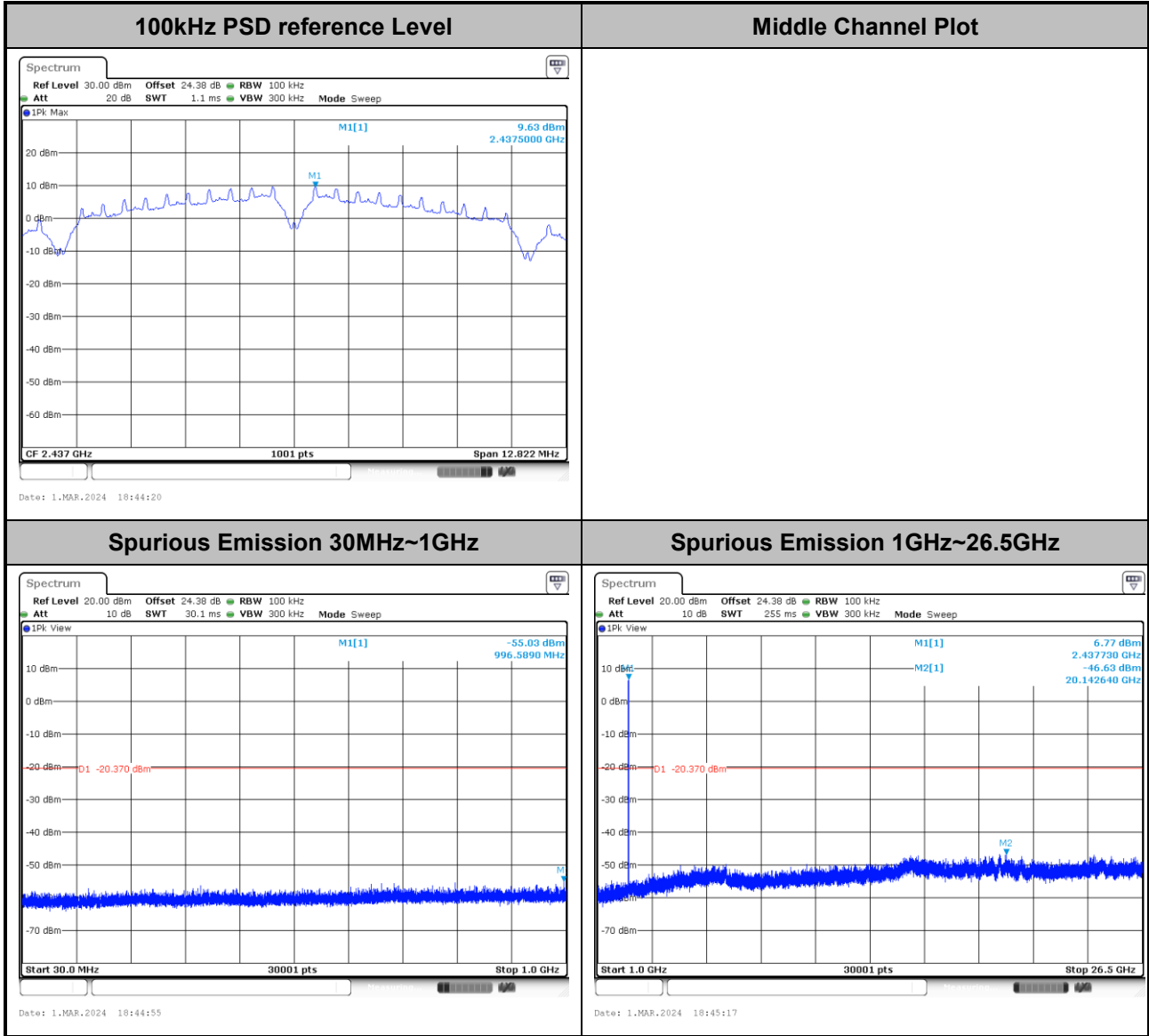
Number of TX = 1, Ant. 1 (Measured)

Test Mode :	802.11b	Test Channel :	01
-------------	---------	----------------	----



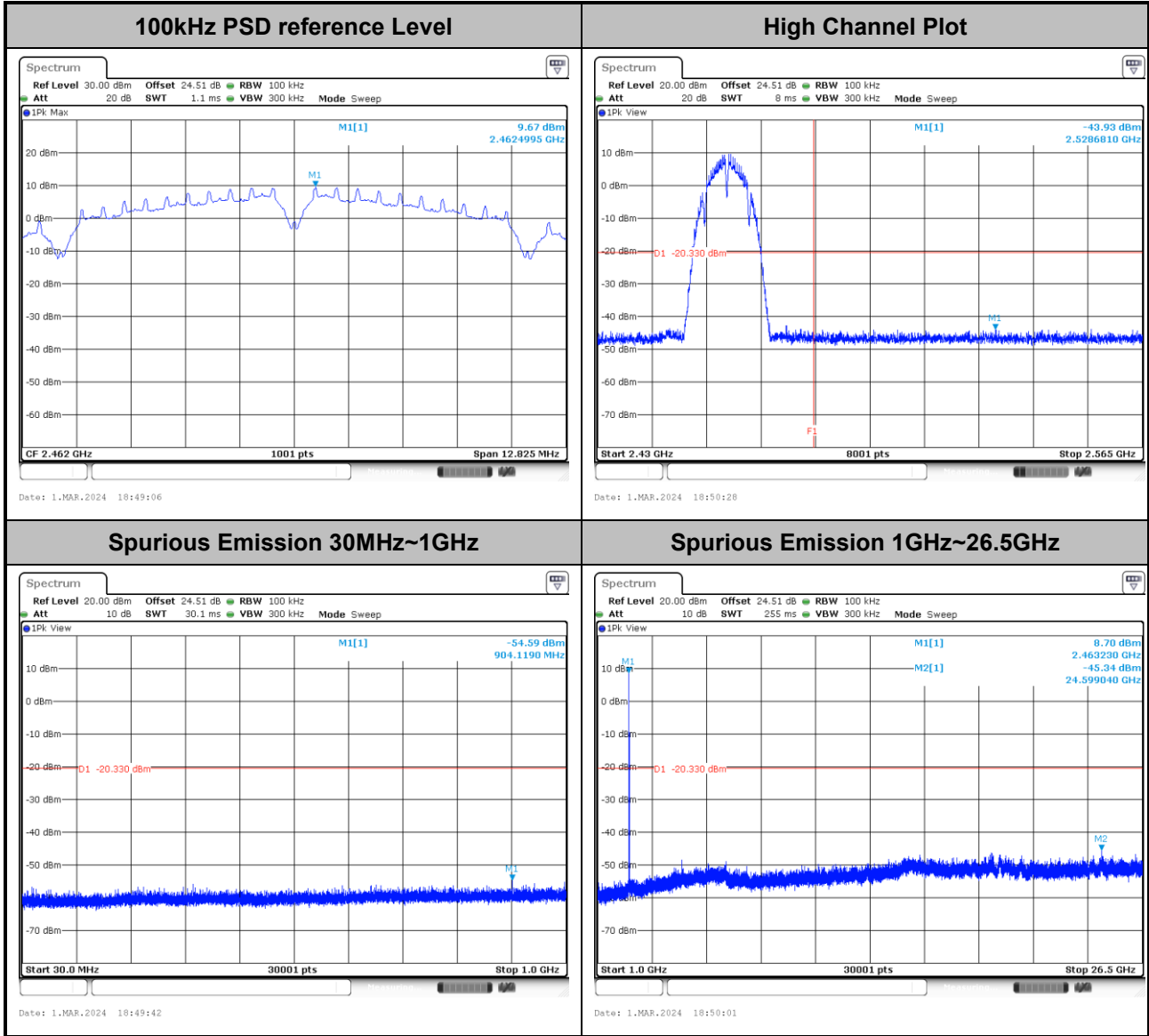


Test Mode :	802.11b	Test Channel :	06
-------------	---------	----------------	----



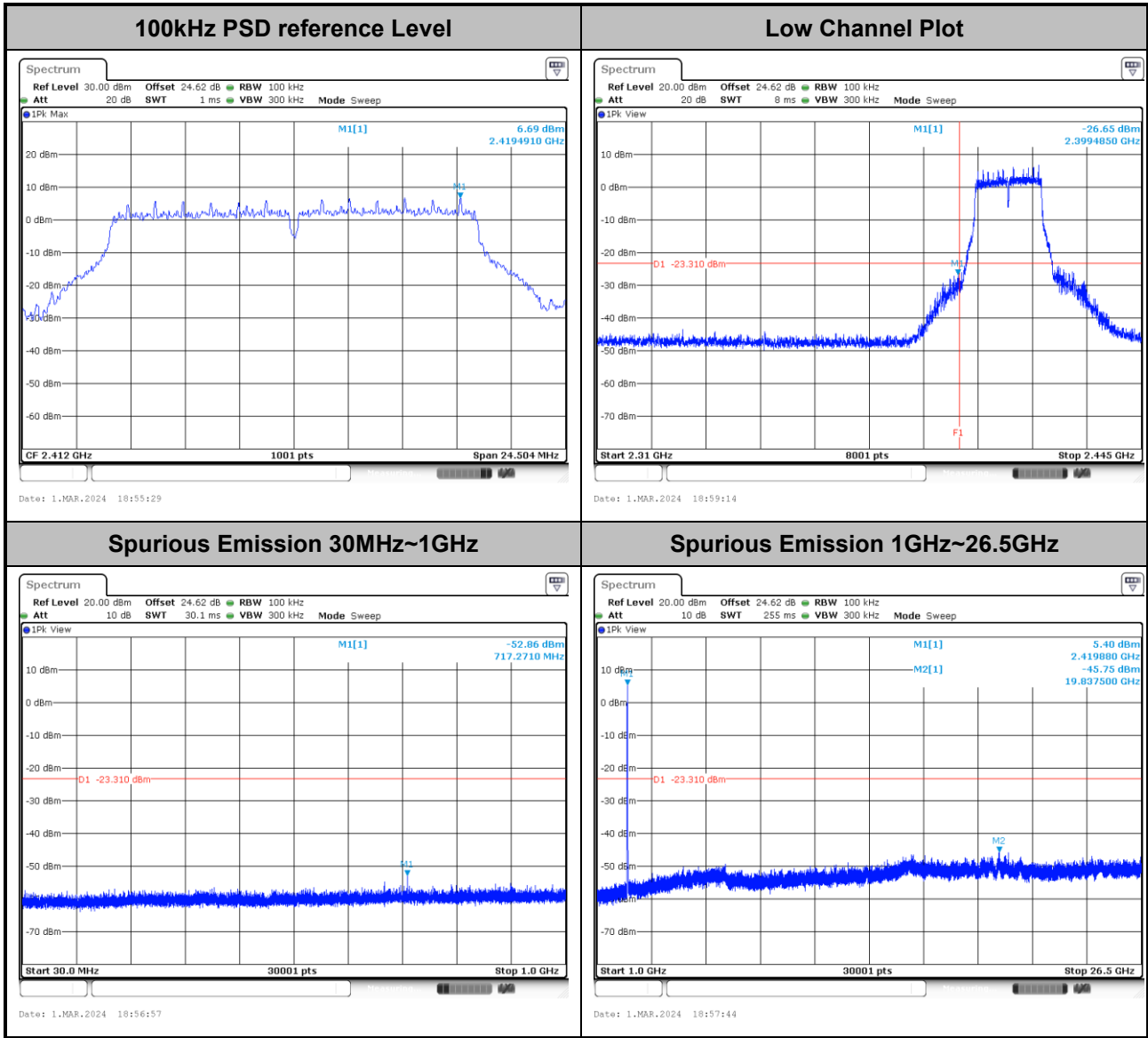


Test Mode :	802.11b	Test Channel :	11
-------------	---------	----------------	----



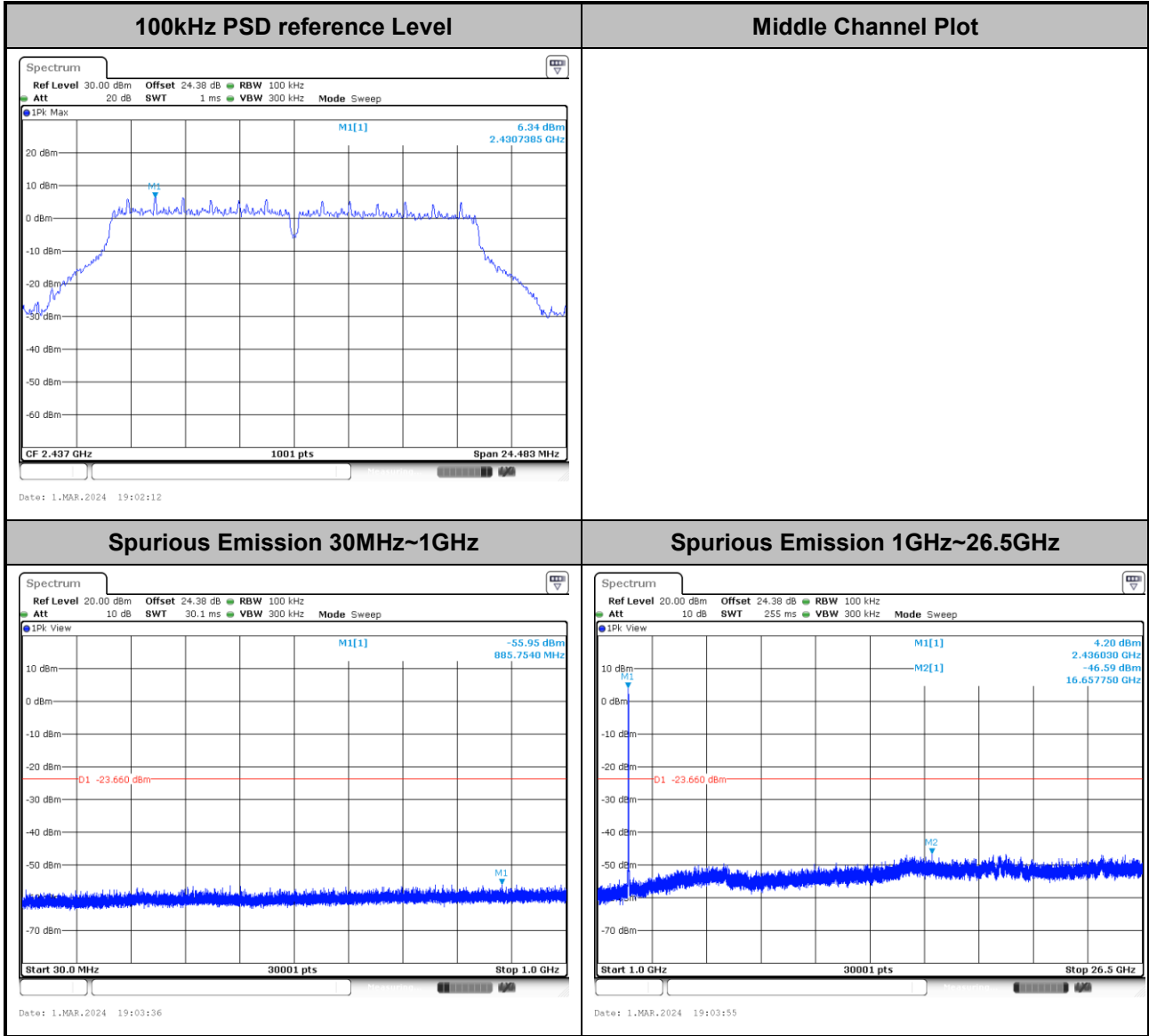


Test Mode :	802.11g	Test Channel :	01
-------------	---------	----------------	----





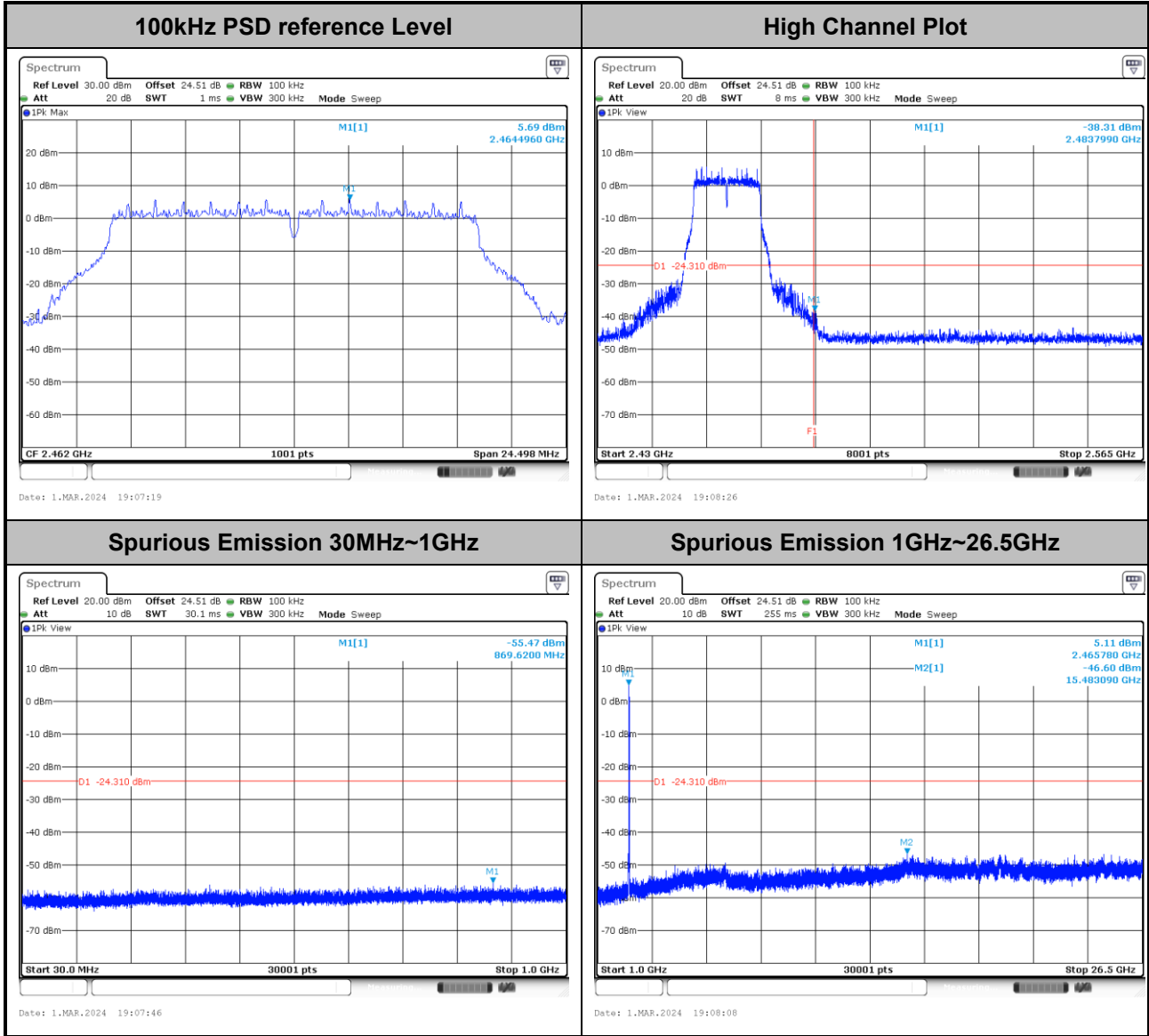
Test Mode :	802.11g	Test Channel :	06
-------------	---------	----------------	----





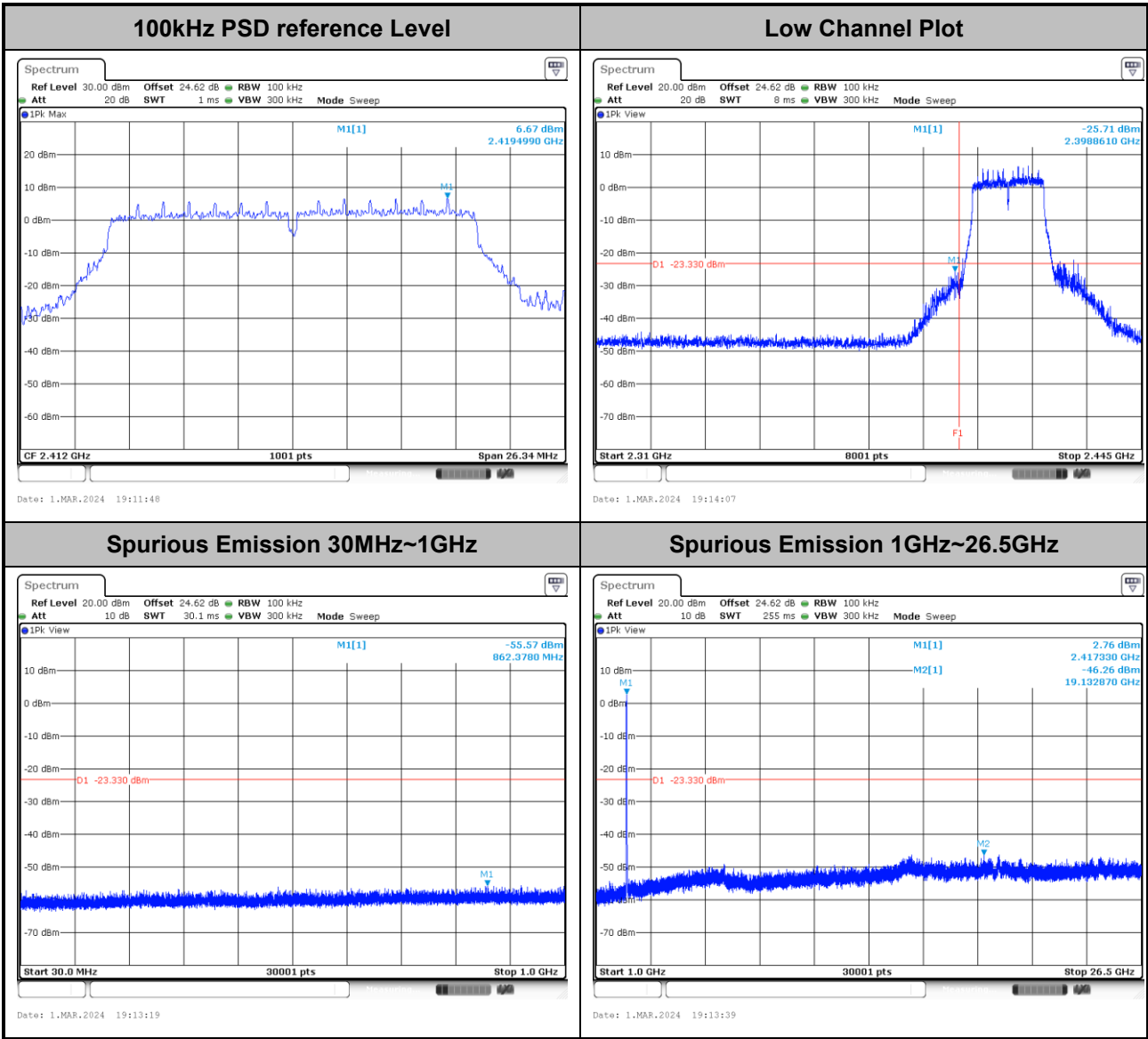


Test Mode :	802.11g	Test Channel :	11
-------------	---------	----------------	----



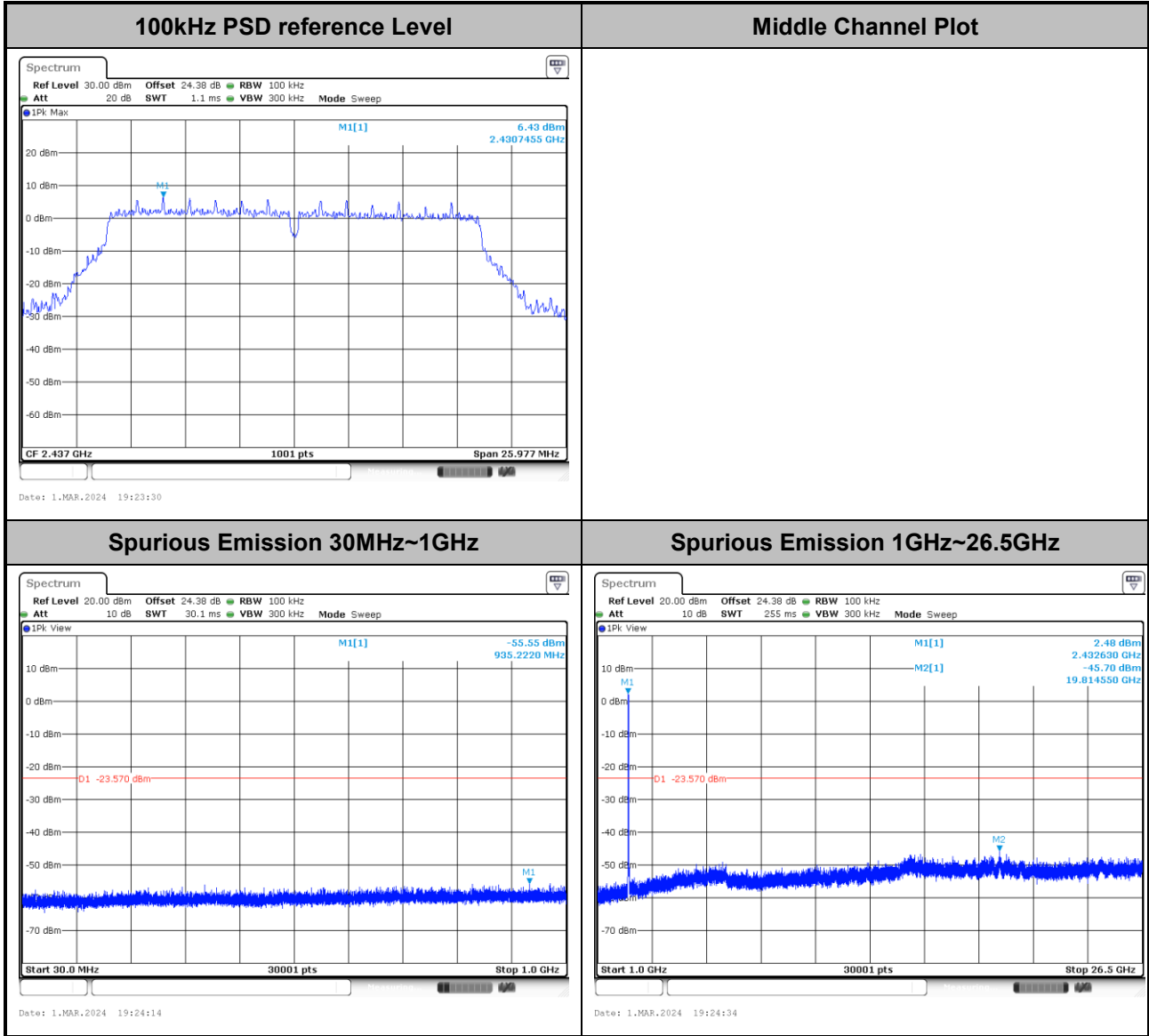


<b>Test Mode :</b>	802.11n HT20	<b>Test Channel :</b>	01
--------------------	--------------	-----------------------	----



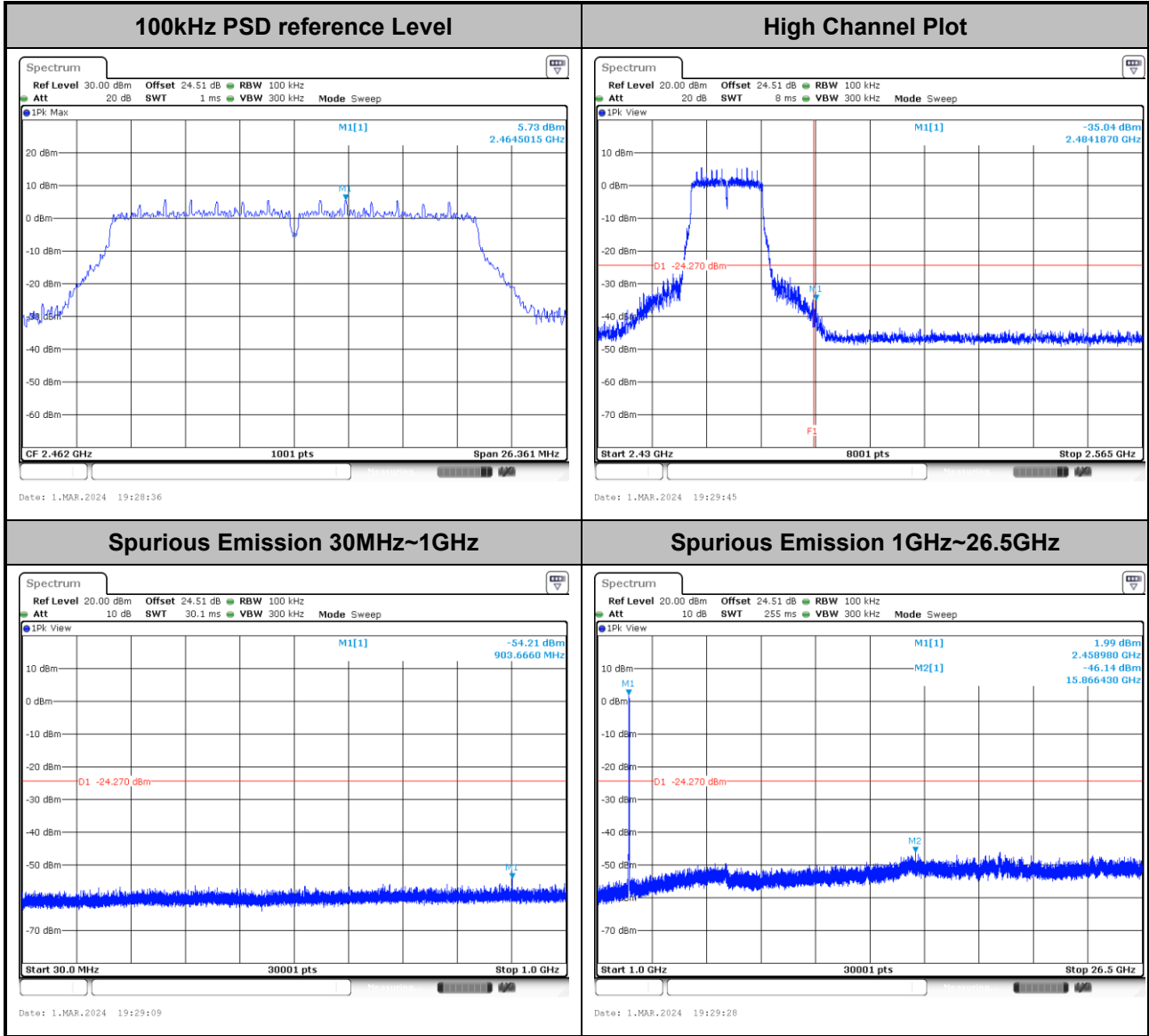


Test Mode :	802.11n HT20	Test Channel :	06
-------------	--------------	----------------	----



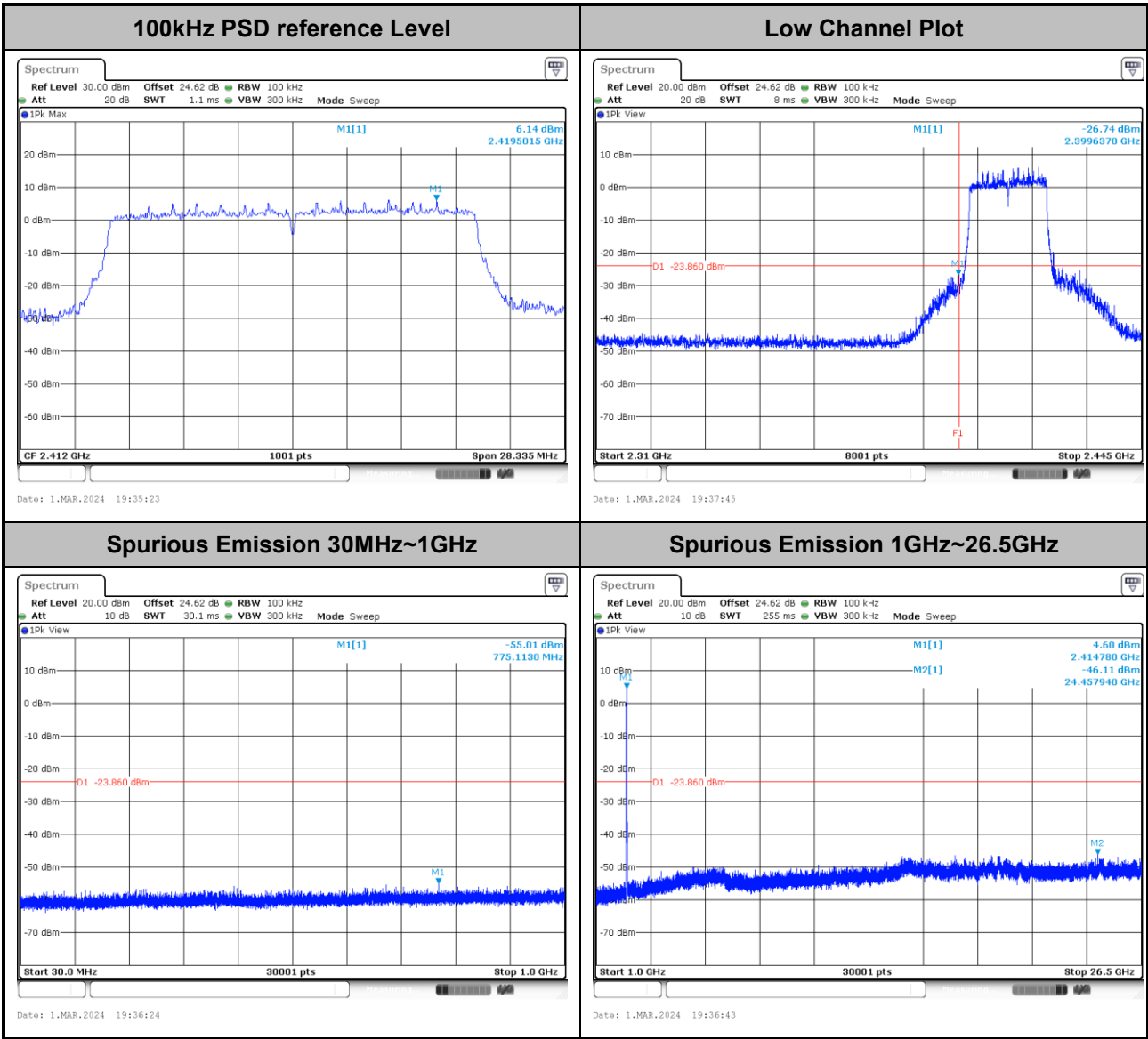


Test Mode :	802.11n HT20	Test Channel :	11
-------------	--------------	----------------	----



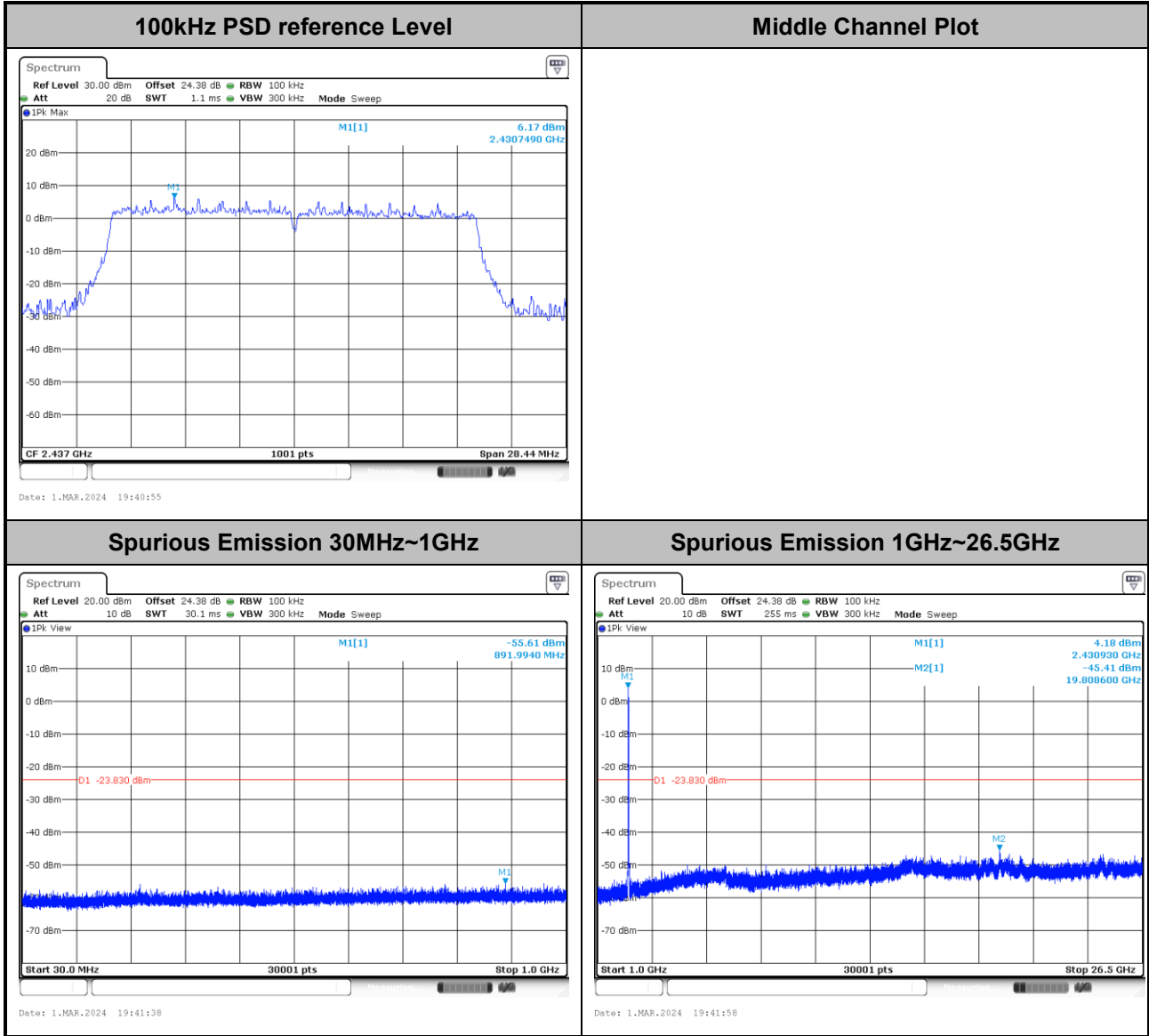


Test Mode :	802.11ax HE20	Test Channel :	01
-------------	---------------	----------------	----



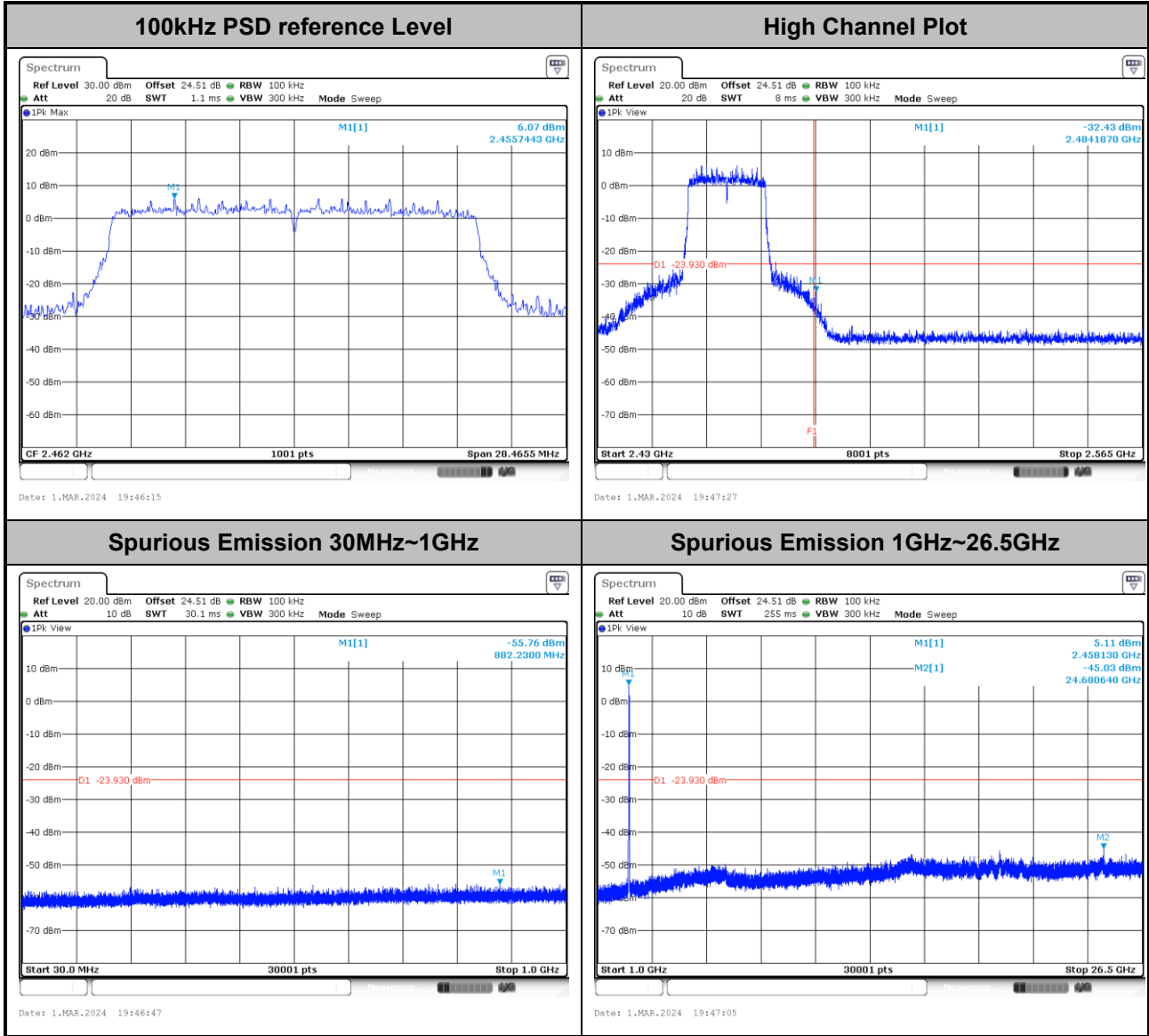


Test Mode :	802.11ax HE20	Test Channel :	06
-------------	---------------	----------------	----





Test Mode :	802.11ax HE20	Test Channel :	11
-------------	---------------	----------------	----





## Appendix B. AC Conducted Emission Test Results

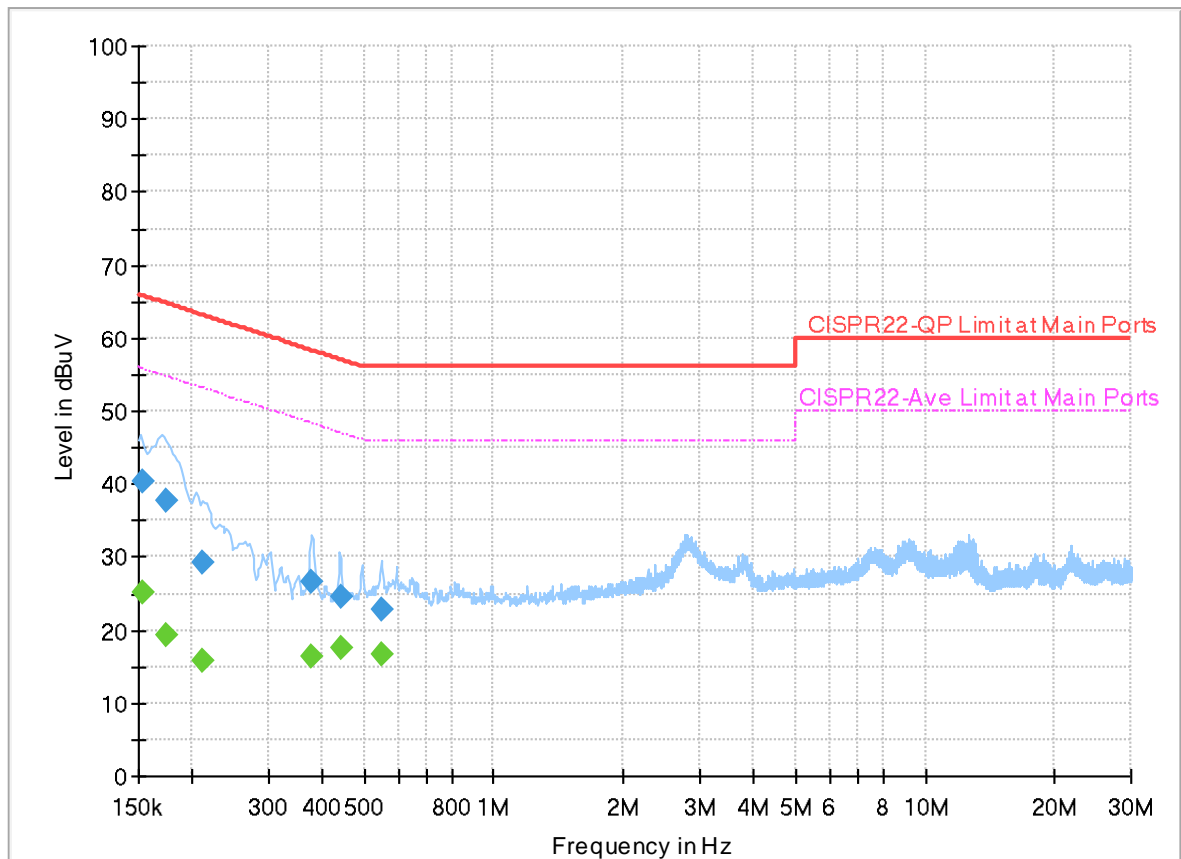
Test Engineer :	Louis Chung	Temperature :	20.5~21.7°C
		Relative Humidity :	41.2~46.4%



## EUT Information

Report NO : 420106  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



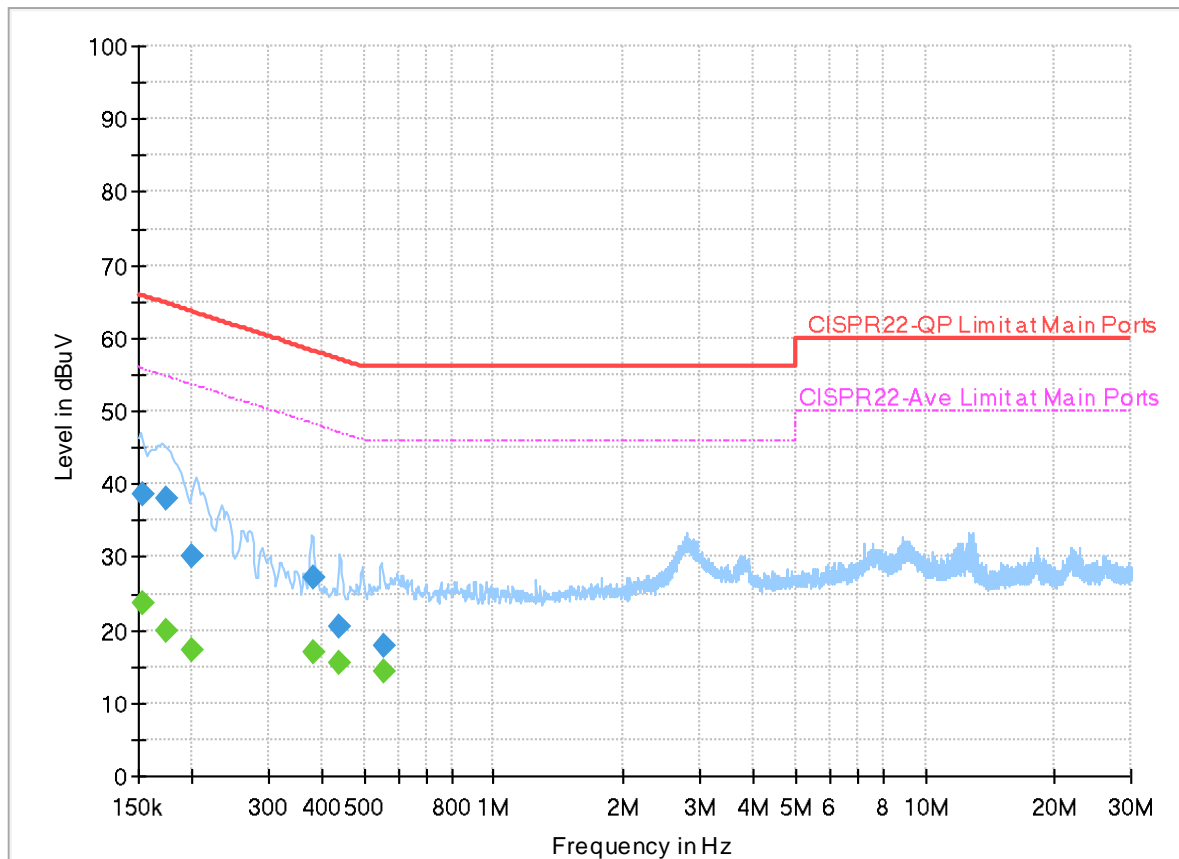
## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.153105	---	25.07	55.83	30.76	L1	OFF	19.9
0.153105	40.30	---	65.83	25.53	L1	OFF	19.9
0.174750	---	19.27	54.73	35.46	L1	OFF	19.9
0.174750	37.69	---	64.73	27.04	L1	OFF	19.9
0.210750	---	15.77	53.18	37.41	L1	OFF	19.9
0.210750	29.12	---	63.18	34.06	L1	OFF	19.9
0.379500	---	16.48	48.29	31.81	L1	OFF	19.9
0.379500	26.70	---	58.29	31.59	L1	OFF	19.9
0.441780	---	17.47	47.03	29.56	L1	OFF	19.9
0.441780	24.71	---	57.03	32.32	L1	OFF	19.9
0.549420	---	16.55	46.00	29.45	L1	OFF	19.9
0.549420	22.67	---	56.00	33.33	L1	OFF	19.9

## EUT Information

Report NO : 420106  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154185	---	23.74	55.77	32.03	N	OFF	19.9
0.154185	38.54	---	65.77	27.23	N	OFF	19.9
0.173670	---	19.75	54.78	35.03	N	OFF	19.9
0.173670	38.00	---	64.78	26.78	N	OFF	19.9
0.199500	---	17.12	53.63	36.51	N	OFF	19.9
0.199500	30.21	---	63.63	33.42	N	OFF	19.9
0.380040	---	17.03	48.28	31.25	N	OFF	19.9
0.380040	27.21	---	58.28	31.07	N	OFF	19.9
0.435840	---	15.55	47.14	31.59	N	OFF	19.9
0.435840	20.42	---	57.14	36.72	N	OFF	19.9
0.555000	---	14.35	46.00	31.65	N	OFF	19.9
0.555000	17.79	---	56.00	38.21	N	OFF	19.9



### Appendix C. Radiated Spurious Emission

Test Engineer :	Rain Lee, Jacky Hong and Mancy Chou	Temperature :	20~26°C
		Relative Humidity :	40~65%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					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		2345.805	53.32	-20.68	74	48.57	27.26	14.58	37.09	342	115	P	H	
		2389.59	41.86	-12.14	54	36.82	27.5	14.62	37.08	342	115	A	H	
	*	2412	103.63	-	-	98.57	27.5	14.64	37.08	342	115	P	H	
	*	2412	100.52	-	-	95.46	27.5	14.64	37.08	342	115	A	H	
													H	
														H
			2353.995	53.34	-20.66	74	48.54	27.3	14.59	37.09	391	84	P	V
			2388.645	41.82	-12.18	54	36.79	27.49	14.62	37.08	391	84	A	V
	*		2412	98.79	-	-	93.73	27.5	14.64	37.08	391	84	P	V
	*		2412	95.64	-	-	90.58	27.5	14.64	37.08	391	84	A	V
														V
														V
802.11b CH 06 2437MHz		2378.88	52.95	-21.05	74	48.03	27.39	14.61	37.08	124	115	P	H	
		2389.38	41.85	-12.15	54	36.82	27.49	14.62	37.08	124	115	A	H	
	*	2437	105.97	-	-	100.78	27.6	14.67	37.08	124	115	P	H	
	*	2437	102.85	-	-	97.66	27.6	14.67	37.08	124	115	A	H	
			2495.5	53.3	-20.7	74	47.83	27.8	14.74	37.07	124	115	P	H
			2498.38	42.23	-11.77	54	36.76	27.8	14.74	37.07	124	115	A	H
			2376.22	53.05	-20.95	74	48.16	27.36	14.61	37.08	374	267	P	V
			2389.66	41.81	-12.19	54	36.77	27.5	14.62	37.08	374	267	A	V
	*		2437	97.16	-	-	91.97	27.6	14.67	37.08	374	267	P	V
	*		2437	93.98	-	-	88.79	27.6	14.67	37.08	374	267	A	V
			2488.93	52.96	-21.04	74	47.5	27.8	14.73	37.07	374	267	P	V
			2498.65	42.24	-11.76	54	36.77	27.8	14.74	37.07	374	267	A	V



<b>802.11b CH 11 2462MHz</b>	*	2462	105.03	-	-	99.78	27.62	14.7	37.07	116	110	P	H
	*	2462	101.87	-	-	96.62	27.62	14.7	37.07	116	110	A	H
		2491.2	50.13	-23.87	74	44.67	27.8	14.73	37.07	116	110	P	H
		2487.44	38.74	-15.26	54	33.28	27.8	14.73	37.07	116	110	A	H
													H
													H
	*	2462	95.74	-	-	90.49	27.62	14.7	37.07	367	94	P	V
	*	2462	92.68	-	-	87.43	27.62	14.7	37.07	367	94	A	V
		2492.4	49.87	-24.13	74	44.41	27.8	14.73	37.07	367	94	P	V
		2487.28	38.53	-15.47	54	33.07	27.8	14.73	37.07	367	94	A	V
													V
													V
<b>Remark</b>	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 )	Margin ( 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	40.86	-33.14	74	58.41	32.44	7.35	57.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4824	40.85	-33.15	74	58.4	32.44	7.35	57.34	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V





WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 11 2462MHz		4924	42.29	-31.71	74	58.85	32.84	7.66	57.06	-	-	P	H	
		7386	47.77	-26.23	74	58.7	36.58	9.45	56.96	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4924	41.6	-32.4	74	58.16	32.84	7.66	57.06	-	-	P	V
			7386	50.3	-23.7	74	61.23	36.58	9.45	56.96	100	227	P	V
			7386	43.64	-10.36	54	54.57	36.58	9.45	56.96	100	227	A	V
														V
														V
														V
														V
														V
														V
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		2389.905	60.95	-13.05	74	55.91	27.5	14.62	37.08	119	111	P	H	
		2390	44.55	-9.45	54	39.51	27.5	14.62	37.08	119	111	A	H	
	*	2414	107.85	-	-	102.78	27.5	14.65	37.08	119	111	P	H	
	*	2410	99.92	-	-	94.86	27.5	14.64	37.08	119	111	A	H	
													H	
													H	
			2389.8	54.42	-19.58	74	49.38	27.5	14.62	37.08	393	81	P	V
			2390	40.03	-13.97	54	34.99	27.5	14.62	37.08	393	81	A	V
	*		2412	99.22	-	-	94.16	27.5	14.64	37.08	393	81	P	V
	*		2412	91.13	-	-	86.07	27.5	14.64	37.08	393	81	A	V
													V	
													V	
802.11g CH 06 2437MHz		2389.38	52.38	-21.62	74	47.35	27.49	14.62	37.08	111	127	P	H	
		2388.4	42.14	-11.86	54	37.12	27.48	14.62	37.08	111	127	A	H	
	*	2437	103.73	-	-	98.54	27.6	14.67	37.08	111	127	P	H	
	*	2437	96.1	-	-	90.91	27.6	14.67	37.08	111	127	A	H	
			2483.69	54.61	-19.39	74	49.16	27.8	14.72	37.07	111	127	P	H
			2496.99	42.84	-11.16	54	37.37	27.8	14.74	37.07	111	127	A	H
			2358.72	52.21	-21.79	74	47.41	27.3	14.59	37.09	361	352	P	V
			2389.66	42.12	-11.88	54	37.08	27.5	14.62	37.08	361	352	A	V
	*		2437	99.44	-	-	94.25	27.6	14.67	37.08	361	352	P	V
	*		2437	91.79	-	-	86.6	27.6	14.67	37.08	361	352	A	V
			2493.63	53.15	-20.85	74	47.69	27.8	14.73	37.07	361	352	P	V
			2499.79	42.83	-11.17	54	37.36	27.8	14.74	37.07	361	352	A	V





<b>802.11g CH 11 2462MHz</b>	*	2462	104.14	-	-	98.89	27.62	14.7	37.07	111	126	P	H
	*	2462	95.78	-	-	90.53	27.62	14.7	37.07	111	126	A	H
		2483.84	64.75	-9.25	74	59.3	27.8	14.72	37.07	111	126	P	H
		2483.84	46.71	-7.29	54	41.26	27.8	14.72	37.07	111	126	A	H
													H
													H
	*	2462	98.64	-	-	93.39	27.62	14.7	37.07	400	330	P	V
	*	2462	90.51	-	-	85.26	27.62	14.7	37.07	400	330	A	V
		2484.12	60.27	-13.73	74	54.82	27.8	14.72	37.07	400	330	P	V
		2483.52	44.2	-9.8	54	38.75	27.8	14.72	37.07	400	330	A	V
													V
													V
<b>Remark</b>	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 )	Margin ( 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	39.95	-34.05	74	57.5	32.44	7.35	57.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4824	40.64	-33.36	74	58.19	32.44	7.35	57.34	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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 06 2437MHz		4874	41.31	-32.69	74	58.35	32.65	7.51	57.2	-	-	P	H	
		7311	52.07	-21.93	74	62.46	36.96	9.48	56.83	400	239	P	H	
		7311	40.56	-13.44	54	50.95	36.96	9.48	56.83	400	239	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4874	41.08	-32.92	74	58.12	32.65	7.51	57.2	-	-	P	V
			7311	53.4	-20.6	74	63.79	36.96	9.48	56.83	100	225	P	V
		7311	42.61	-11.39	54	53	36.96	9.48	56.83	100	225	A	V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 11 2462MHz		4924	40.91	-33.09	74	57.47	32.84	7.66	57.06	-	-	P	H
		7386	46.75	-27.25	74	57.68	36.58	9.45	56.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4924	40.76	-33.24	74	57.32	32.84	7.66	57.06	-	-	P
		7386	46.01	-27.99	74	56.94	36.58	9.45	56.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 01 2412MHz		2390	65.18	-8.82	74	60.14	27.5	14.62	37.08	116	133	P	H	
		2390	46.21	-7.79	54	41.17	27.5	14.62	37.08	116	133	A	H	
	*	2412	105.02	-	-	99.96	27.5	14.64	37.08	116	133	P	H	
	*	2412	97.34	-	-	92.28	27.5	14.64	37.08	116	133	A	H	
													H	
														H
			2390	55.83	-18.17	74	50.79	27.5	14.62	37.08	374	301	P	V
			2389.38	42.96	-11.04	54	37.93	27.49	14.62	37.08	374	301	A	V
		*	2412	99.38	-	-	94.32	27.5	14.64	37.08	374	301	P	V
		*	2412	91.71	-	-	86.65	27.5	14.64	37.08	374	301	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2360.96	52.89	-21.11	74	48.09	27.3	14.59	37.09	132	145	P	H	
		2386.02	42.15	-11.85	54	37.15	27.46	14.62	37.08	132	145	A	H	
	*	2437	104.58	-	-	99.39	27.6	14.67	37.08	132	145	P	H	
	*	2437	96.24	-	-	91.05	27.6	14.67	37.08	132	145	A	H	
			2485.65	52.58	-21.42	74	47.13	27.8	14.72	37.07	132	145	P	H
			2486.98	42.79	-11.21	54	37.33	27.8	14.73	37.07	132	145	A	H
			2361.38	52.31	-21.69	74	47.51	27.3	14.59	37.09	373	303	P	V
			2359.28	42.02	-11.98	54	37.22	27.3	14.59	37.09	373	303	A	V
		*	2437	100.09	-	-	94.9	27.6	14.67	37.08	373	303	P	V
		*	2437	91.77	-	-	86.58	27.6	14.67	37.08	373	303	A	V
		2488.94	53.21	-20.79	74	47.75	27.8	14.73	37.07	373	303	P	V	
		2495.03	42.81	-11.19	54	37.35	27.8	14.73	37.07	373	303	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	104.91	-	-	99.66	27.62	14.7	37.07	108	146	P	H
	*	2462	95.89	-	-	90.64	27.62	14.7	37.07	108	146	A	H
		2484.36	70.86	-3.14	74	65.41	27.8	14.72	37.07	108	146	P	H
		2483.64	48.5	-5.5	54	43.05	27.8	14.72	37.07	108	146	A	H
													H
													H
	*	2462	98.39	-	-	93.14	27.62	14.7	37.07	400	330	P	V
	*	2462	90.46	-	-	85.21	27.62	14.7	37.07	400	330	A	V
		2484.6	63.88	-10.12	74	58.43	27.8	14.72	37.07	400	330	P	V
		2483.52	46.54	-7.46	54	41.09	27.8	14.72	37.07	400	330	A	V
													V
													V
<b>Remark</b>	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 )	Margin ( 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 01 2412MHz		4824	40.57	-33.43	74	58.12	32.44	7.35	57.34	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
			4824	41.79	-32.21	74	59.34	32.44	7.35	57.34	-	-	P	V
														V
														V
														V



WiFi Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 06 2437MHz		4874	42.21	-31.79	74	59.25	32.65	7.51	57.2	-	-	P	H	
		7311	52.18	-21.82	74	62.57	36.96	9.48	56.83	400	234	P	H	
		7311	40.58	-13.42	54	50.97	36.96	9.48	56.83	400	234	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4874	40.84	-33.16	74	57.88	32.65	7.51	57.2	-	-	P	V
			7311	53.53	-20.47	74	63.92	36.96	9.48	56.83	100	227	P	V
			7311	41.25	-12.75	54	51.64	36.96	9.48	56.83	100	227	A	V
														V
														V
														V
													V	
													V	
													V	
													V	
													V	
													V	
													V	





WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 11 2462MHz		4924	40.48	-33.52	74	57.04	32.84	7.66	57.06	-	-	P	H	
		7386	51.59	-22.41	74	62.52	36.58	9.45	56.96	100	73	P	H	
		7386	39.85	-14.15	54	50.78	36.58	9.45	56.96	100	73	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4924	40.63	-33.37	74	57.19	32.84	7.66	57.06	-	-	P	V
			7386	51.48	-22.52	74	62.41	36.58	9.45	56.96	100	220	P	V
			7386	40.23	-13.77	54	51.16	36.58	9.45	56.96	100	220	A	V
														V
														V
														V
														V
														V
													V	
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )	
802.11ax HE20 Full CH 01 2412MHz		2389.632	61.05	-12.95	74	56.01	27.5	14.62	37.08	114	148	P	H	
		2389.856	46.44	-7.56	54	41.4	27.5	14.62	37.08	114	148	A	H	
	*	2412	105.73	-	-	100.67	27.5	14.64	37.08	114	148	P	H	
	*	2412	97.06	-	-	92	27.5	14.64	37.08	114	148	A	H	
													H	
														H
			2388.96	57.15	-16.85	74	52.12	27.49	14.62	37.08	373	352	P	V
			2389.968	42.81	-11.19	54	37.77	27.5	14.62	37.08	373	352	A	V
		*	2412	101.61	-	-	96.55	27.5	14.64	37.08	373	352	P	V
		*	2412	93.27	-	-	88.21	27.5	14.64	37.08	373	352	A	V
													V	
													V	
802.11ax HE20 Full CH 06 2437MHz		2331.56	48.6	-25.4	74	43.93	27.2	14.56	37.09	132	148	P	H	
		2387.7	38.68	-15.32	54	33.66	27.48	14.62	37.08	132	148	A	H	
	*	2437	106.38	-	-	101.19	27.6	14.67	37.08	132	148	P	H	
	*	2437	96.68	-	-	91.49	27.6	14.67	37.08	132	148	A	H	
			2485.79	50.79	-23.21	74	45.34	27.8	14.72	37.07	132	148	P	H
			2487.75	39.04	-14.96	54	33.58	27.8	14.73	37.07	132	148	A	H
			2328.62	48.91	-25.09	74	44.24	27.2	14.56	37.09	370	354	P	V
			2388.82	38.66	-15.34	54	33.63	27.49	14.62	37.08	370	354	A	V
		*	2437	101.52	-	-	96.33	27.6	14.67	37.08	370	354	P	V
		*	2437	92.47	-	-	87.28	27.6	14.67	37.08	370	354	A	V
		2494.75	49.52	-24.48	74	44.06	27.8	14.73	37.07	370	354	P	V	
		2484.88	38.99	-15.01	54	33.54	27.8	14.72	37.07	370	354	A	V	



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
802.11ax HE20 Full CH 11 2462MHz	*	2462	105.69	-	-	100.44	27.62	14.7	37.07	110	146	P	H
	*	2462	96.41	-	-	91.16	27.62	14.7	37.07	110	146	A	H
		2485.76	67.41	-6.59	74	61.96	27.8	14.72	37.07	110	146	P	H
		2483.64	51.24	-2.76	54	45.79	27.8	14.72	37.07	110	146	A	H
													H
													H
	*	2462	100.29	-	-	95.04	27.62	14.7	37.07	400	331	P	V
	*	2462	91.31	-	-	86.06	27.62	14.7	37.07	400	331	A	V
		2484.16	62.58	-11.42	74	57.13	27.8	14.72	37.07	400	331	P	V
		2483.52	46.17	-7.83	54	40.72	27.8	14.72	37.07	400	331	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )
802.11ax HE20 Full CH 01 2412MHz		4824	41.28	-32.72	74	58.83	32.44	7.35	57.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4824	41.6	-32.4	74	59.15	32.44	7.35	57.34	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V







2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )	
802.11ax HE20 Partial 26/0 CH 01 2412MHz		2356.83	52.66	-21.34	74	47.86	27.3	14.59	37.09	100	124	P	H	
		2347.8	42.15	-11.85	54	37.38	27.28	14.58	37.09	100	124	A	H	
	*	2412	106.04	-	-	100.98	27.5	14.64	37.08	100	124	P	H	
	*	2412	96.93	-	-	91.87	27.5	14.64	37.08	100	124	A	H	
													H	
														H
			2352.315	52.31	-21.69	74	47.52	27.3	14.58	37.09	259	336	P	V
			2389.38	42.15	-11.85	54	37.12	27.49	14.62	37.08	259	336	A	V
	*		2412	99.51	-	-	94.45	27.5	14.64	37.08	259	336	P	V
	*		2412	91.84	-	-	86.78	27.5	14.64	37.08	259	336	A	V
													V	
													V	
802.11ax HE20 Partial 26/4 CH 06 2437MHz		2386.72	52.36	-21.64	74	47.35	27.47	14.62	37.08	122	131	P	H	
		2379.44	42.15	-11.85	54	37.23	27.39	14.61	37.08	122	131	A	H	
	*	2437	105.54	-	-	100.35	27.6	14.67	37.08	122	131	P	H	
	*	2437	96.85	-	-	91.66	27.6	14.67	37.08	122	131	A	H	
			2486.42	52.76	-21.24	74	47.3	27.8	14.73	37.07	122	131	P	H
			2498.18	42.72	-11.28	54	37.25	27.8	14.74	37.07	122	131	A	H
			2346.12	52.06	-21.94	74	47.31	27.26	14.58	37.09	253	333	P	V
			2386.58	42.16	-11.84	54	37.15	27.47	14.62	37.08	253	333	A	V
	*		2437	98.71	-	-	93.52	27.6	14.67	37.08	253	333	P	V
	*		2437	90.82	-	-	85.63	27.6	14.67	37.08	253	333	A	V
		2497.83	52.9	-21.1	74	47.43	27.8	14.74	37.07	253	333	P	V	
		2486.49	42.84	-11.16	54	37.38	27.8	14.73	37.07	253	333	A	V	



<b>802.11ax</b> <b>HE20</b> <b>Partial 26/8</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	108.88	-	-	103.63	27.62	14.7	37.07	107	131	P	H
	*	2462	98.56	-	-	93.31	27.62	14.7	37.07	107	131	A	H
		2484.68	57.09	-16.91	74	51.64	27.8	14.72	37.07	107	131	P	H
		2485.12	43.02	-10.98	54	37.57	27.8	14.72	37.07	107	131	A	H
													H
													H
	*	2462	101.92	-	-	96.67	27.62	14.7	37.07	245	335	P	V
	*	2462	91.65	-	-	86.4	27.62	14.7	37.07	245	335	A	V
		2485.32	53.1	-20.9	74	47.65	27.8	14.72	37.07	245	335	P	V
		2491.36	42.83	-11.17	54	37.37	27.8	14.73	37.07	245	335	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )
802.11ax HE20 Partial 26/0 CH 01 2412MHz		4824	41.24	-32.76	74	58.79	32.44	7.35	57.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4824	41.2	-32.8	74	58.75	32.44	7.35	57.34	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )	
802.11ax HE20 Partial 26/4 CH 06 2437MHz		4874	41.86	-32.14	74	58.9	32.65	7.51	57.2	-	-	P	H	
		7311	51.79	-22.21	74	62.18	36.96	9.48	56.83	149	180	P	H	
		7311	39.53	-14.47	54	49.92	36.96	9.48	56.83	149	180	A	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4874	41.17	-32.83	74	58.21	32.65	7.51	57.2	-	-	P	V
			7311	53.85	-20.15	74	64.24	36.96	9.48	56.83	100	220	P	V
			7311	40.75	-13.25	54	51.14	36.96	9.48	56.83	100	220	A	V
														V
														V
														V
														V
														V
													V	
													V	



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )
802.11ax HE20 Partial 26/8 CH 11 2462MHz		4924	40.45	-33.55	74	57.01	32.84	7.66	57.06	-	-	P	H
		7386	45.47	-28.53	74	56.4	36.58	9.45	56.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
	802.11ax HE20 Partial 26/8 CH 11 2462MHz		4924	40.41	-33.59	74	56.97	32.84	7.66	57.06	-	-	P
		7386	45.26	-28.74	74	56.19	36.58	9.45	56.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )	
802.11ax HE20 Partial 52/37 CH 01 2412MHz		2389.905	51.34	-22.66	74	46.3	27.5	14.62	37.08	117	122	P	H	
		2387.49	39.12	-14.88	54	34.11	27.47	14.62	37.08	117	122	A	H	
	*	2412	109.37	-	-	104.31	27.5	14.64	37.08	117	122	P	H	
	*	2412	98.49	-	-	93.43	27.5	14.64	37.08	117	122	A	H	
													H	
														H
			2369.43	49.86	-24.14	74	45.05	27.3	14.6	37.09	380	64	P	V
			2388.015	39.13	-14.87	54	34.11	27.48	14.62	37.08	380	64	A	V
	*		2412	100.65	-	-	95.59	27.5	14.64	37.08	380	64	P	V
	*		2412	91.75	-	-	86.69	27.5	14.64	37.08	380	64	A	V
													V	
													V	
802.11ax HE20 Partial 52/40 CH 11 2462MHz	*	2462	108.12	-	-	102.87	27.62	14.7	37.07	100	113	P	H	
	*	2462	97.96	-	-	92.71	27.62	14.7	37.07	100	113	A	H	
			2484.32	57.83	-16.17	74	52.38	27.8	14.72	37.07	100	113	P	H
			2483.96	40.35	-13.65	54	34.9	27.8	14.72	37.07	100	113	A	H
														H
														H
	*		2462	101.25	-	-	96	27.62	14.7	37.07	358	72	P	V
	*		2462	91.6	-	-	86.35	27.62	14.7	37.07	358	72	A	V
			2483.56	53.44	-20.56	74	47.99	27.8	14.72	37.07	358	72	P	V
			2494.2	39.57	-14.43	54	34.11	27.8	14.73	37.07	358	72	A	V
													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 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )	
802.11ax HE20 Partial 106/53 CH 01 2412MHz		2388.96	50.94	-23.06	74	45.91	27.49	14.62	37.08	100	124	P	H	
		2389.59	39.18	-14.82	54	34.14	27.5	14.62	37.08	100	124	A	H	
	*	2412	106.21	-	-	101.15	27.5	14.64	37.08	100	124	P	H	
	*	2412	97.39	-	-	92.33	27.5	14.64	37.08	100	124	A	H	
													H	
														H
			2344.335	49.93	-24.07	74	45.2	27.24	14.58	37.09	379	74	P	V
			2386.86	39.09	-14.91	54	34.08	27.47	14.62	37.08	379	74	A	V
	*		2412	100.33	-	-	95.27	27.5	14.64	37.08	379	74	P	V
	*		2412	90.61	-	-	85.55	27.5	14.64	37.08	379	74	A	V
													V	
													V	
802.11ax HE20 Partial 106/54 CH 11 2462MHz	*	2462	106.44	-	-	101.19	27.62	14.7	37.07	101	123	P	H	
	*	2462	96.69	-	-	91.44	27.62	14.7	37.07	101	123	A	H	
			2483.6	59.56	-14.44	74	54.11	27.8	14.72	37.07	101	123	P	H
			2484	40.94	-13.06	54	35.49	27.8	14.72	37.07	101	123	A	H
														H
														H
	*		2462	100.59	-	-	95.34	27.62	14.7	37.07	362	69	P	V
	*		2462	90.1	-	-	84.85	27.62	14.7	37.07	362	69	A	V
			2483.6	53.39	-20.61	74	47.94	27.8	14.72	37.07	362	69	P	V
			2487.52	39.58	-14.42	54	34.12	27.8	14.73	37.07	362	69	A	V
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission above 18GHz

2.4GHz WIFI 802.11ax HE20 (SHF)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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)
2.4GHz 802.11ax HE20 SHF		20198	39.4	-34.6	74	59.66	38.1	-3.36	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			23999	41	-33	74	58.65	38.9	-2.65	53.9	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



**Emission below 1GHz  
2.4GHz WIFI 802.11ax HE20 (LF)**

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					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 )	
<b>2.4GHz 802.11ax HE20 LF</b>		31.89	22.69	-17.31	40	30.18	23.73	1.12	32.34	-	-	P	H	
		95.61	32.91	-10.59	43.5	48.33	15.38	1.48	32.28	-	-	P	H	
		227.37	23.81	-22.19	46	38.12	15.96	1.9	32.17	-	-	P	H	
		710.9	32.34	-13.66	46	34.82	26.73	2.91	32.12	-	-	P	H	
		902	35.28	-10.72	46	34.45	29.01	3.23	31.41	-	-	P	H	
		983.9	34.15	-19.85	54	30.82	30.64	3.38	30.69	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
														H
														H
			31.89	28.78	-11.22	40	36.27	23.73	1.12	32.34	-	-	P	V
			94.8	26.16	-17.34	43.5	41.73	15.23	1.48	32.28	-	-	P	V
			257.88	20.93	-25.07	46	31.39	19.66	2.01	32.13	-	-	P	V
		583.5	26.99	-19.01	46	30.77	25.75	2.69	32.22	-	-	P	V	
		836.2	31.38	-14.62	46	31.32	28.71	3.14	31.79	-	-	P	V	
		991.6	33.71	-20.29	54	30.53	30.4	3.4	30.62	-	-	P	V	
													V	
													V	
													V	
													V	
													V	
													V	

**Remark**

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



**Note symbol**

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>Margin</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>





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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		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. Margin (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. Margin (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. Margin (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

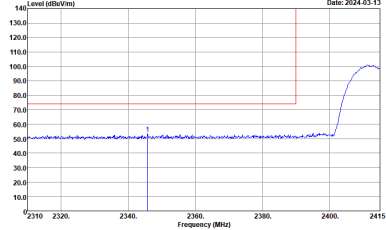
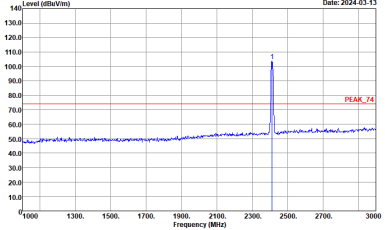
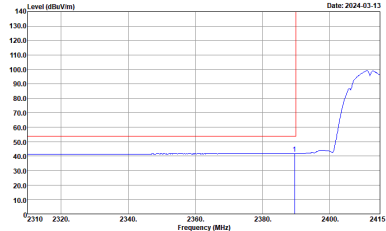
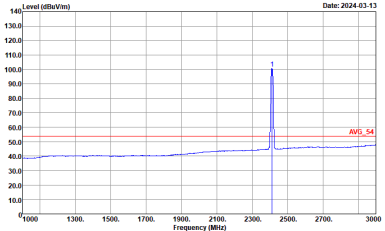
Test Engineer :	Rain Lee, Jacky Hong and Mancy Chou	Temperature :	20~26°C
		Relative Humidity :	40~65%

### Note symbol

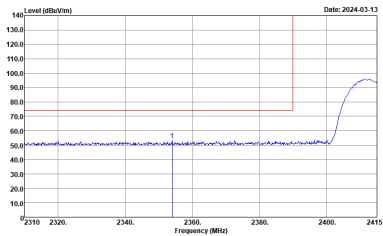
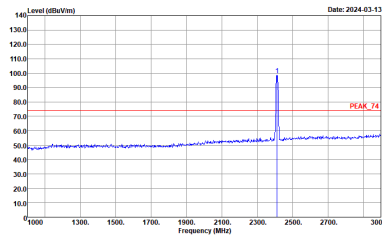
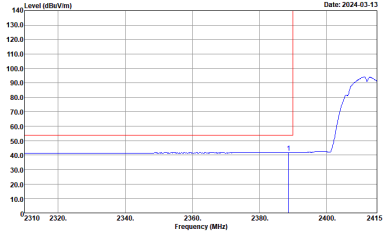
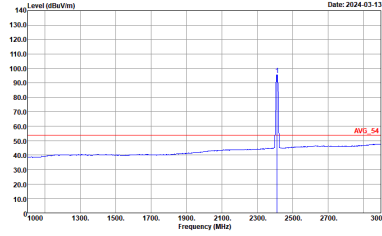
-L	Low channel location
-R	High channel location



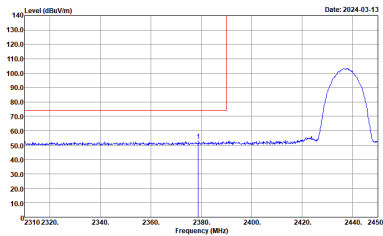
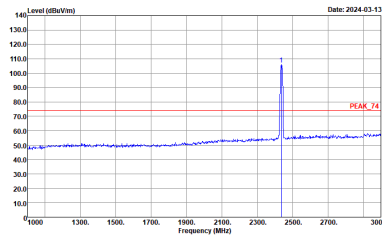
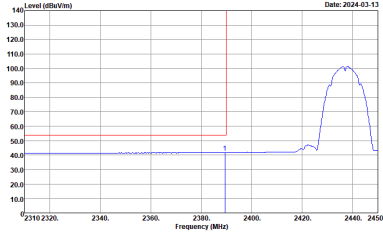
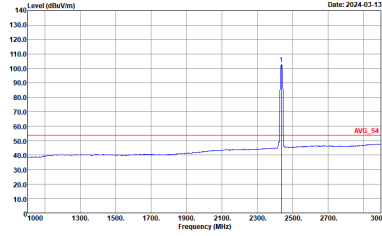
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11b (Band Edge @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
<b>1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2412 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2415 MHz. A red vertical line marks the peak at 2412 MHz.</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2412 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red vertical line marks the peak at 2412 MHz.</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2415 MHz. A red vertical line marks the peak at 2412 MHz.</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red vertical line marks the peak at 2412 MHz.</p> <p>Site : 03CH13-HY            Condition : AVG_54 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

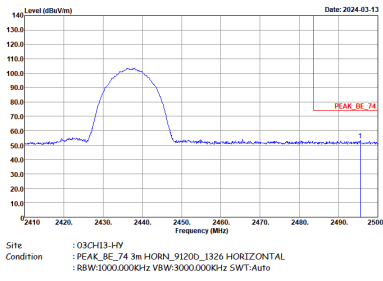
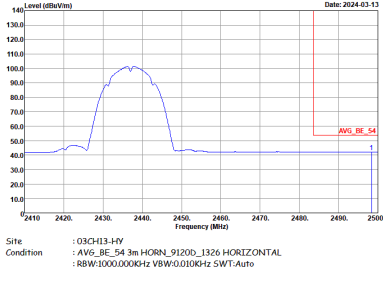


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Horizontal view. The plot shows a peak at approximately 2437 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the peak level at approximately 135 dBm/100kHz.</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental view. The plot shows a sharp peak at approximately 2437 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 135 dBm/100kHz.</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Horizontal view. The plot shows a peak at approximately 2437 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 2310 to 2450 MHz. A red line indicates the average level at approximately 105 dBm/100kHz.</p> <p>Site : 03CH13-HY            Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Level (dBm/100kHz) vs Frequency (MHz) plot for Fundamental view. The plot shows a sharp peak at approximately 2437 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100kHz, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 105 dBm/100kHz.</p> <p>Site : 03CH13-HY            Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>

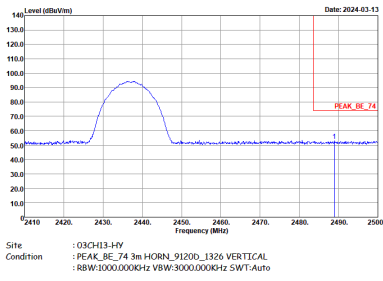
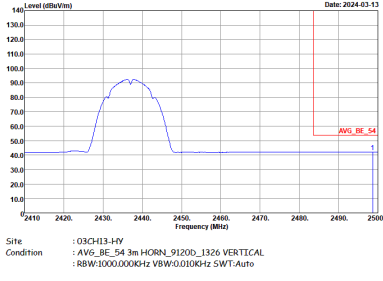


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	<p>Date: 2024-03-13</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2024-03-13</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Date: 2024-03-13</p> <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Date: 2024-03-13</p> <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



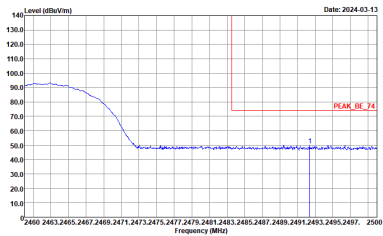
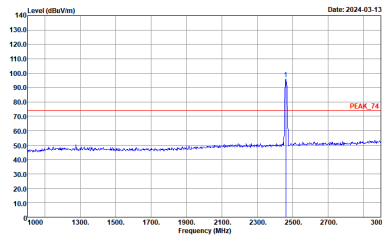
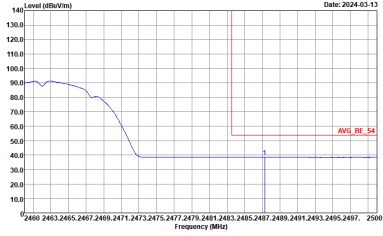
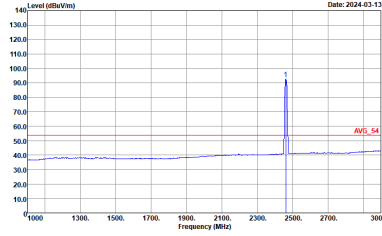
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto</p>	Left blank





WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>



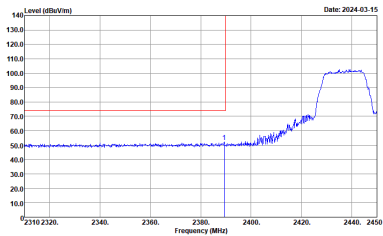
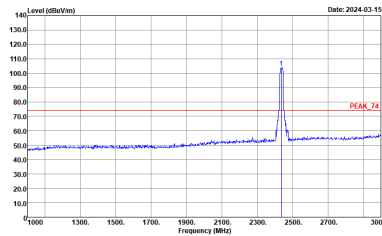
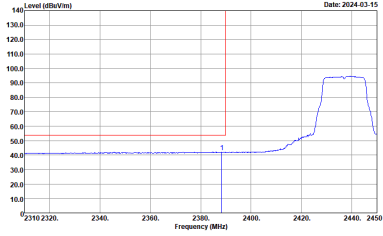
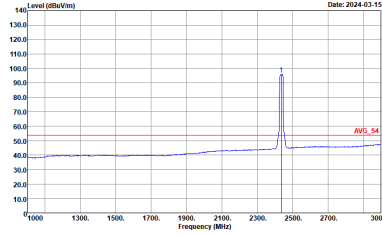
2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

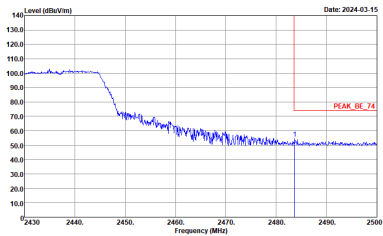
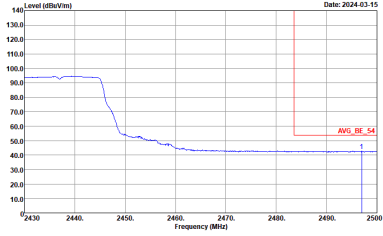


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

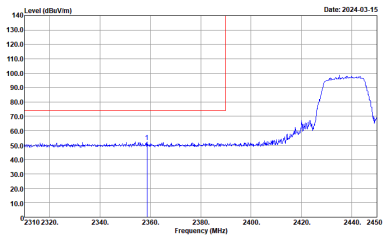
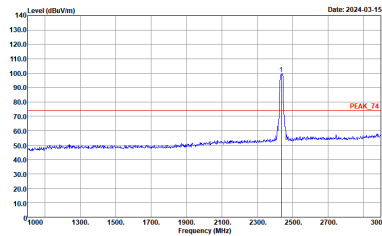
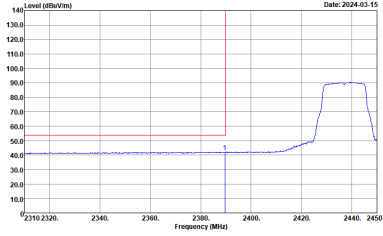
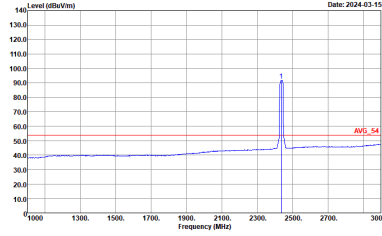


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



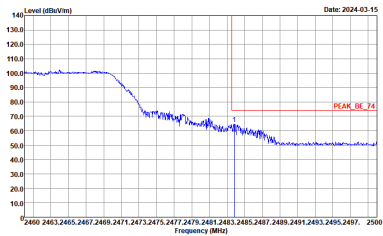
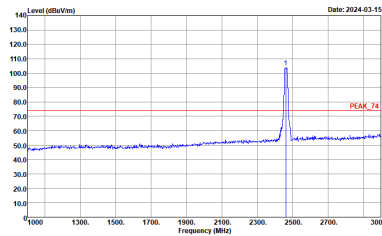
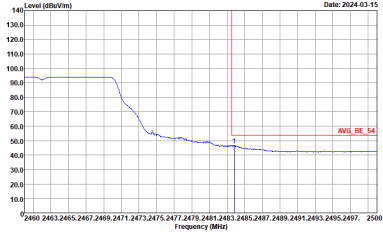
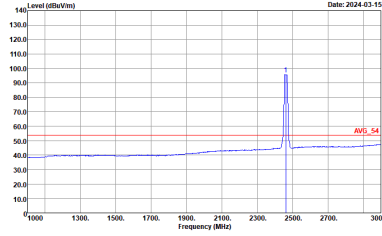
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



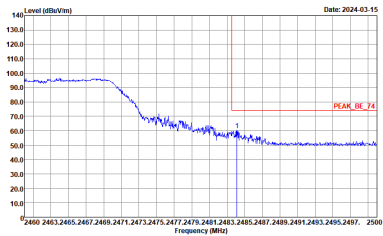
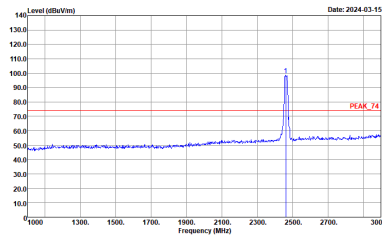
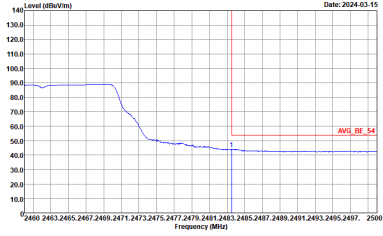
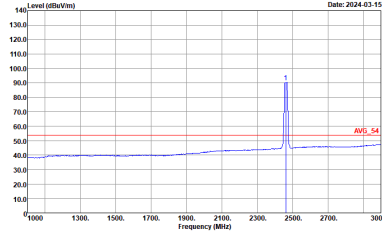
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left Blank





WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



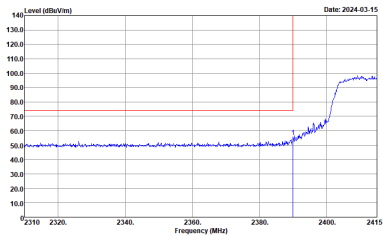
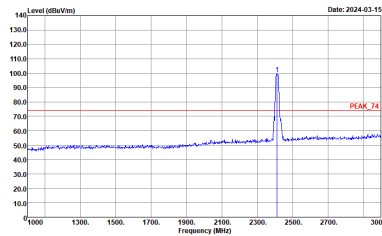
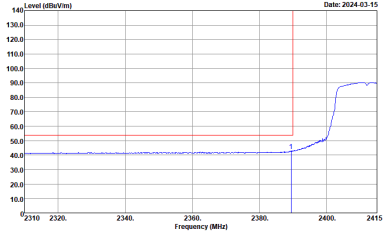
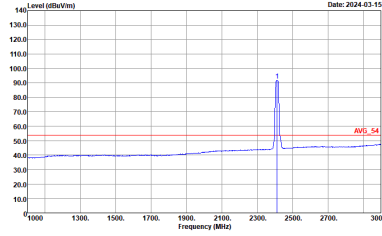
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



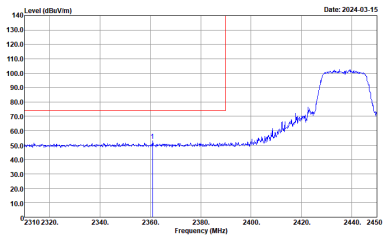
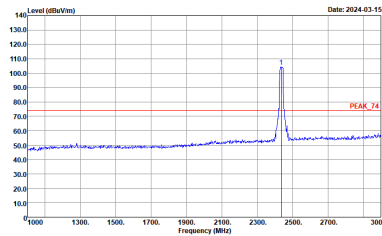
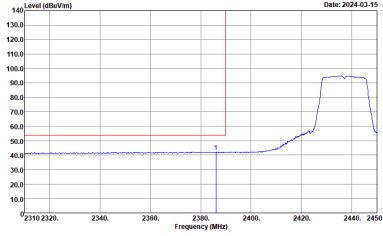
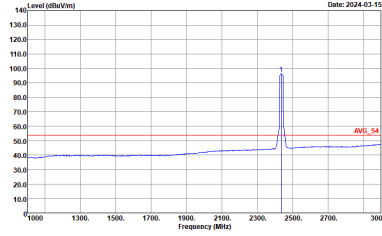
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>	<p>Site : 03CH13-HY            Condition : AVG_54 3m HORN_91200_1326 HORIZONTAL            : RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>

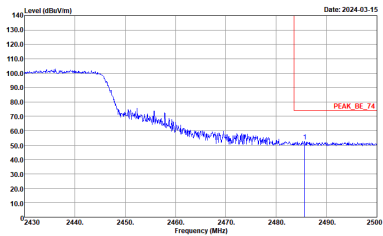
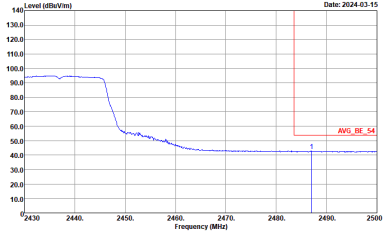


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

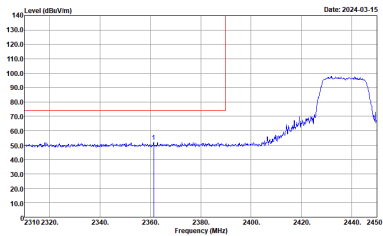
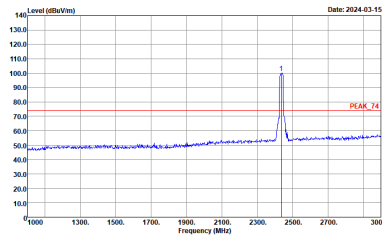
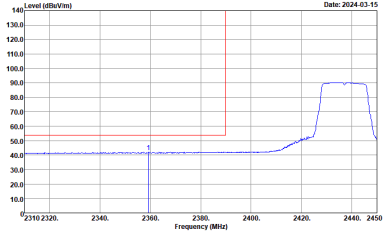
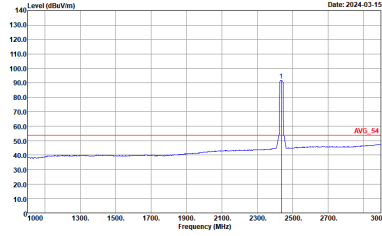


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Left blank</p>



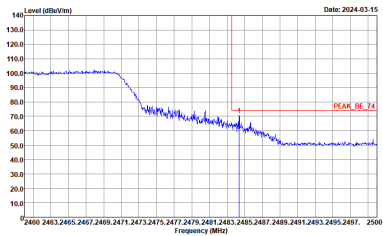
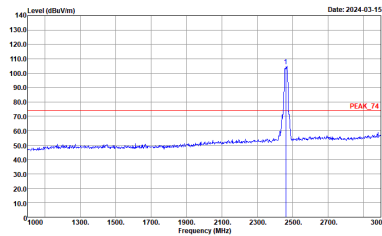
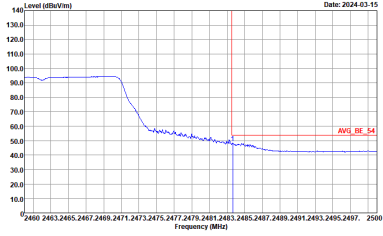
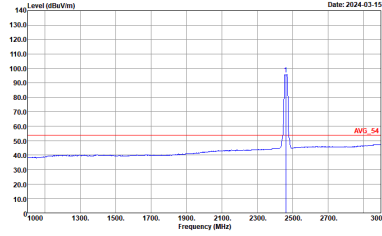
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



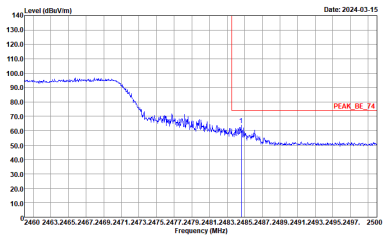
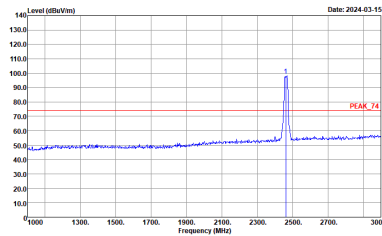
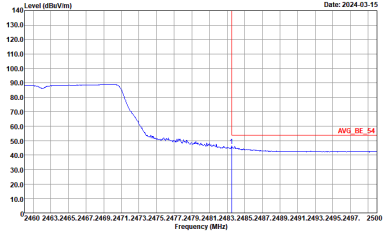
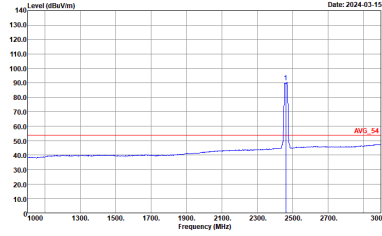
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left Blank





WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

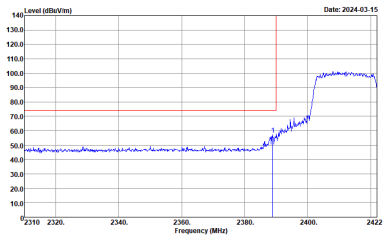
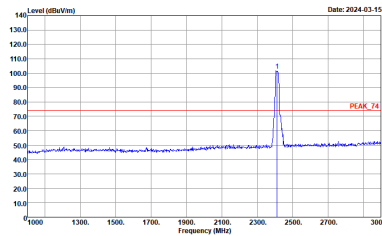
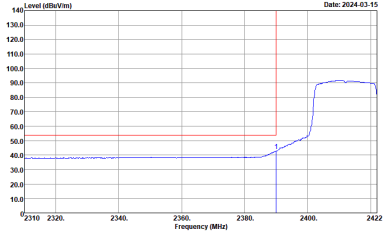
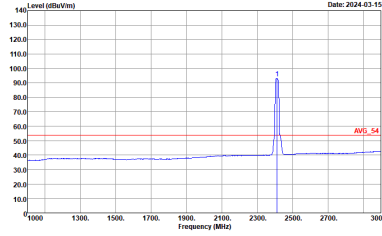


2.4GHz 2400~2483.5MHz

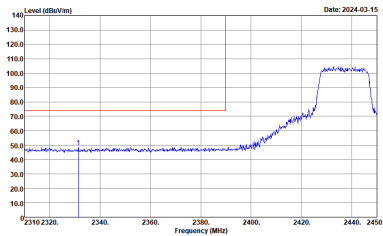
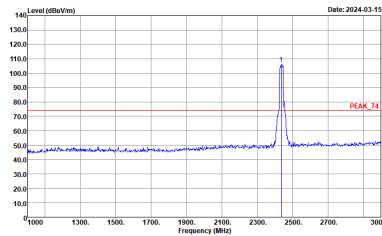
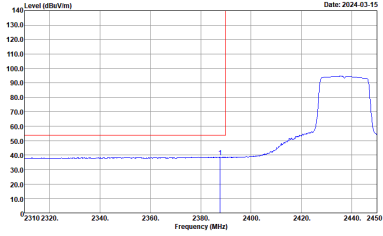
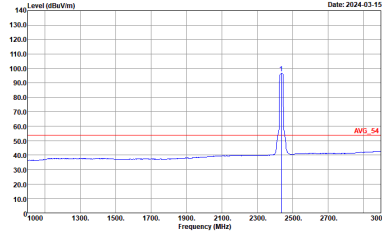
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

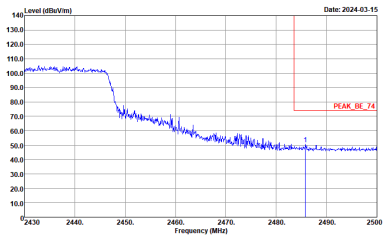
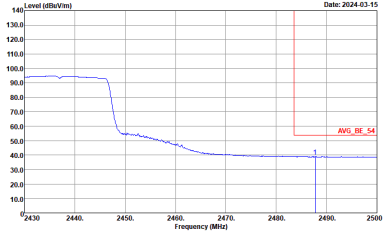


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

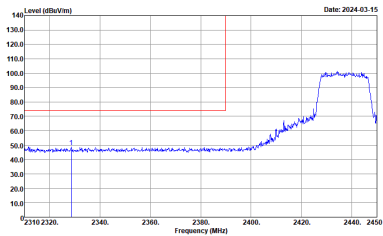
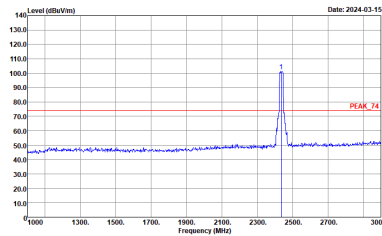
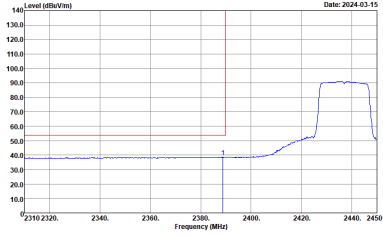
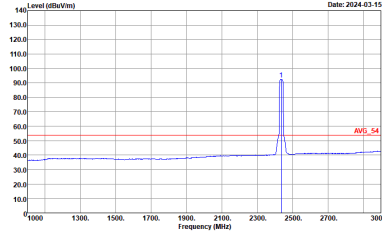


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

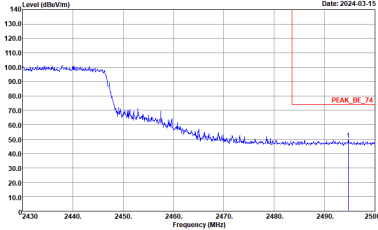
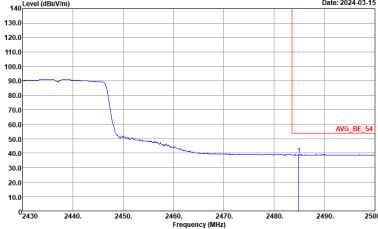


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.300kHz SWT:Auto</p>	<p>Left blank</p>



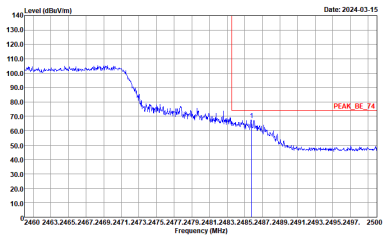
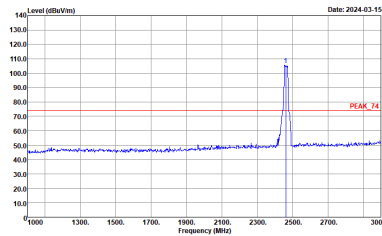
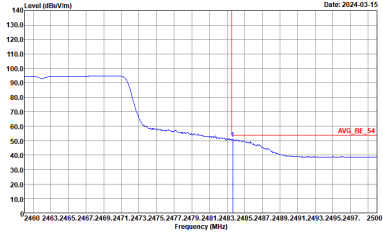
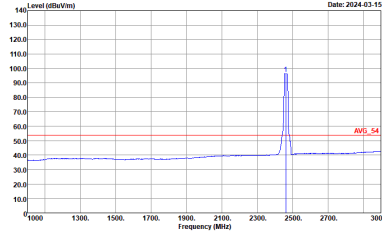
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



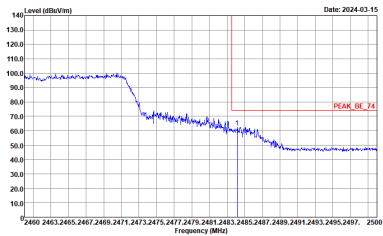
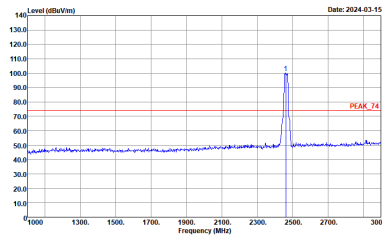
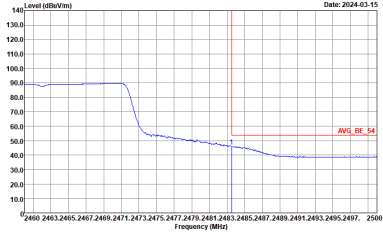
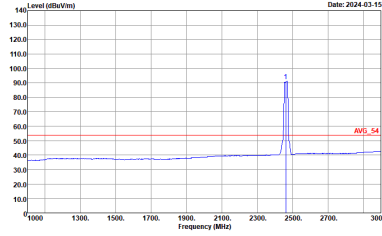
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank





WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

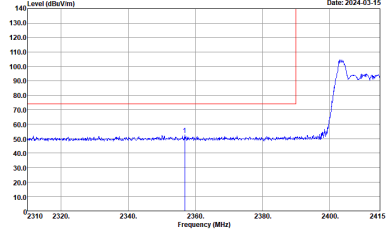
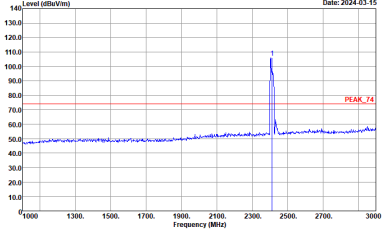
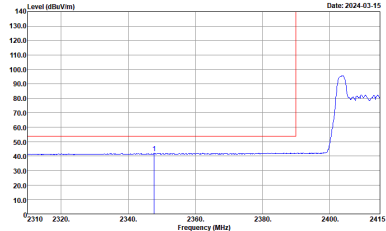
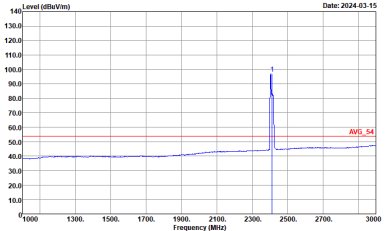


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/0 CH01 2412MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

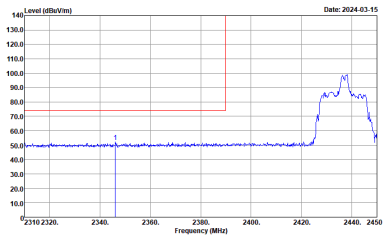
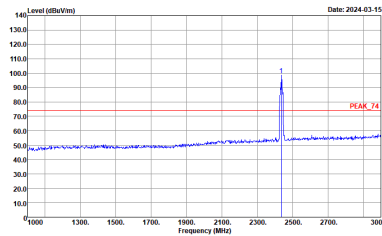
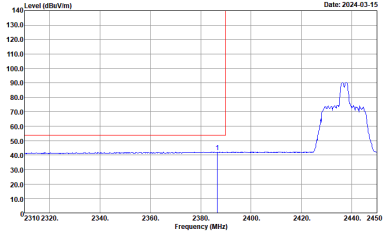
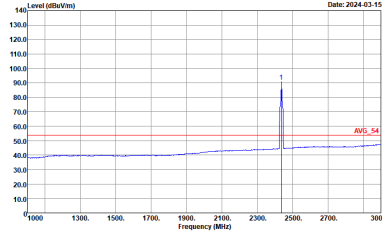


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



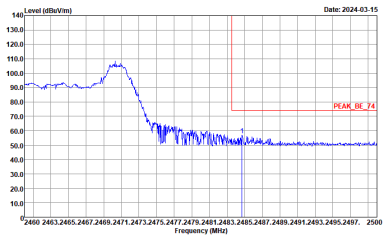
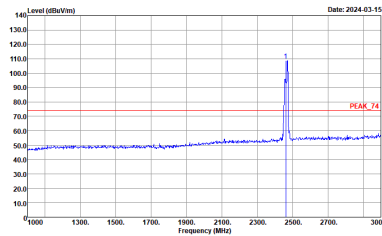
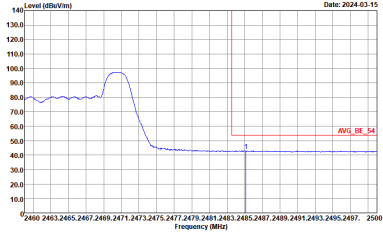
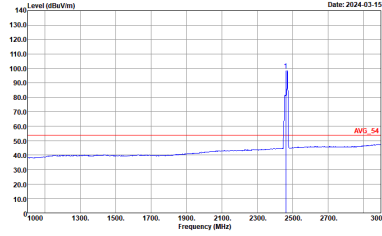
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



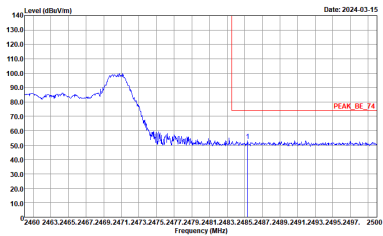
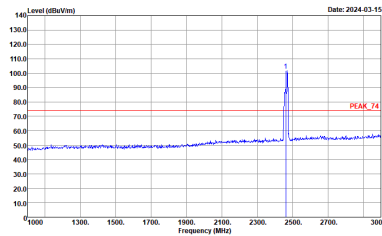
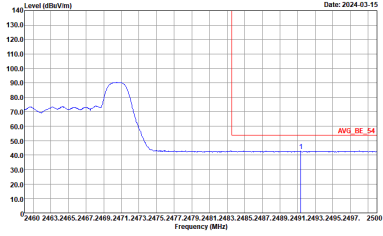
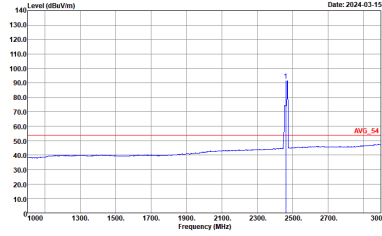
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/4 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left Blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left Blank





WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 26/8 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

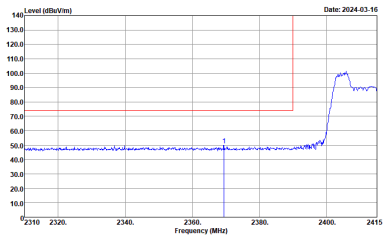
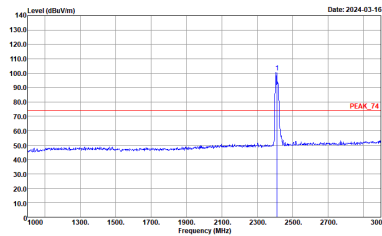
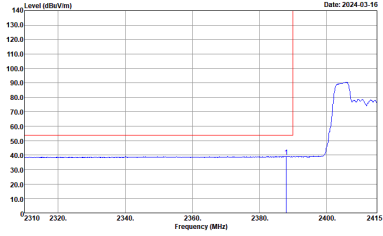
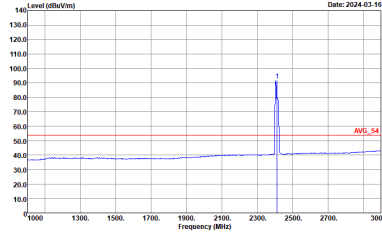


2.4GHz 2400~2483.5MHz

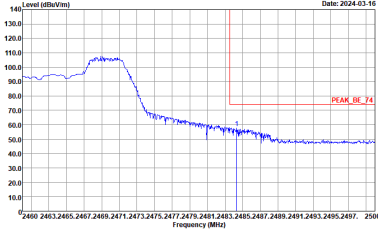
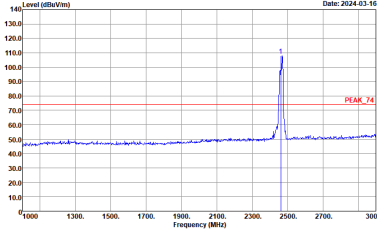
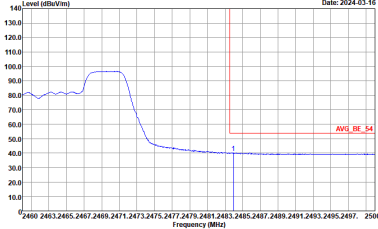
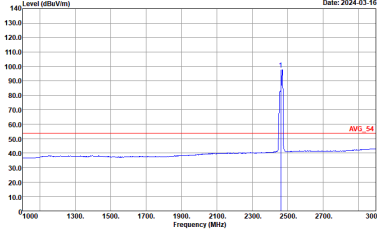
WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH01 2412MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : AVG_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>

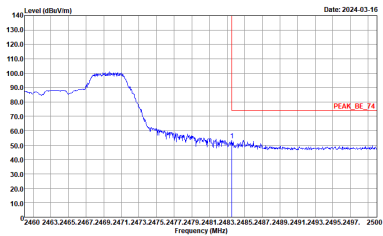
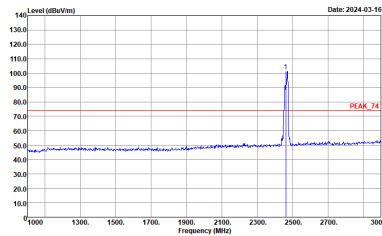
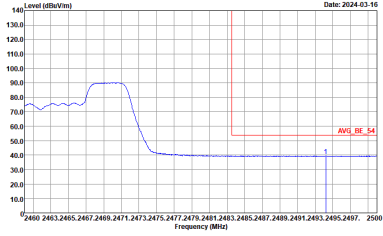
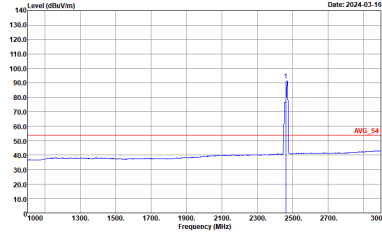


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/37 CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>



WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11ax HE20 Partial 52/40 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : AV6_54 3m HORN_91200_1326 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>