



# FCC RADIO TEST REPORT

FCC ID : A4RGR83Y  
Equipment : Phone  
Model Name : GR83Y  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : FCC Part 15 Subpart C §15.247

The product was received on Dec. 20, 2023 and testing was performed from Jan. 11, 2024 to Mar. 30, 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
<b>1 General Description.....</b>	<b>5</b>
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT .....	7
1.3 Testing Location .....	7
1.4 Applicable Standards.....	7
<b>2 Test Configuration of Equipment Under Test .....</b>	<b>8</b>
2.1 Carrier Frequency Channel .....	8
2.2 Test Mode.....	9
2.3 Connection Diagram of Test System.....	10
2.4 Support Unit used in test configuration and system .....	11
2.5 EUT Operation Test Setup .....	12
2.6 Measurement Results Explanation Example.....	12
<b>3 Test Result.....</b>	<b>13</b>
3.1 6dB and 99% Bandwidth Measurement .....	13
3.2 Output Power Measurement.....	14
3.3 Power Spectral Density Measurement .....	15
3.4 Conducted Band Edges and Spurious Emission Measurement .....	16
3.5 Radiated Band Edges and Spurious Emission Measurement .....	17
3.6 AC Conducted Emission Measurement.....	21
3.7 Antenna Requirements .....	23
<b>4 List of Measuring Equipment .....</b>	<b>24</b>
<b>5 Measurement Uncertainty .....</b>	<b>26</b>
<b>Appendix A. Conducted Test Results</b>	
<b>Appendix B. AC Conducted Emission Test Result</b>	
<b>Appendix C. Radiated Spurious Emission</b>	
<b>Appendix D. Radiated Spurious Emission Plots</b>	
<b>Appendix E. Duty Cycle Plots</b>	
<b>Appendix F. Setup Photographs</b>	



### History of this test report

Report No.	Version	Description	Issue Date
FR3N23250	01	Initial issue of report	Apr. 25, 2024
FR3N23250	02	Revise Test Mode and Appendix A This report is an updated version, replacing the report issued on Apr. 25, 2024.	May 08, 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)(3) 15.247(b)(4)	Output Power	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges and Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Spurious Emission	Pass	11.07 dB under the limit at 2483.50 MHz
3.6	15.207	AC Conducted Emission	Pass	6.79 dB under the limit at 0.18 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: William Chen**

**Report Producer: Wilda Wei**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature
<p><b>General Specs</b> GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Thread, Wi-Fi 802.11be, UWB, NFC, WPT, NTN and GNSS.</p> <p><b>Antenna Type</b> WLAN: &lt;Ant.3&gt;: PIFA Antenna &lt;Ant.4&gt;: IFA Antenna</p>

EUT Information List	
S/N	Performed Test Item
41101FDAP0002H	RF Conducted Measurement
3B131FDAP0007E 41051FDAP00024 41051FDAP0001R	Radiated Spurious Emission
3B131FDAP0007E 41051FDAP0001R	Conducted Emission

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	Ant.3: -0.10 Ant.4: -0.30

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

### 1.1.1 Antenna Directional Gain

**<For CDD Mode>**

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain =  $G_{ANT}$  + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ .

$G_{ANT}$  is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

$N_{SS}$  = the number of independent spatial streams of data;

$N_{ANT}$  = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$  if the  $k$ th antenna is being fed by spatial stream  $j$ , or zero if it is not;  
 $G_k$  is the gain in dBi of the  $k$ th antenna.

As minimum  $N_{SS}=1$  is supported by EUT, the formula can be simplified as:

Directional gain =  $10 \cdot \log[(10^{G_1 / 20} + 10^{G_2 / 20} + \dots + 10^{G_N / 20})^2 / N_{ANT}]$  dBi

Where  $G_1, G_2, \dots, G_N$  denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 3	Ant 4	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
<b>Bluetooth</b>	-0.10	-0.30	-0.10	2.81	0.00	0.00

Calculation example:

If a device has two antenna,  $G_{ANT3} = -0.1$  dBi;  $G_{ANT4} = -0.3$  dBi

Directional gain of power measurement =  $\max(-0.1, -0.3) + 0 = -0.1$  dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[ 10^{(-0.1 \text{ dBi} / 20)} + 10^{(-0.3 \text{ dBi} / 20)} \right]^2 / 2 \right\}$$

$$= 2.81 \text{ dBi}$$

Power and PSD limit reduction = Composite gain – 6dBi, ( min = 0 )



### 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, 03CH15-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
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ 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

### 2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	0	2402	21	2444
	1	2404	22	2446
	2	2406	23	2448
	3	2408	24	2450
	4	2410	25	2452
	5	2412	26	2454
	6	2414	27	2456
	7	2416	28	2458
	8	2418	29	2460
	9	2420	30	2462
	10	2422	31	2464
	11	2424	32	2466
	12	2426	33	2468
	13	2428	34	2470
	14	2430	35	2472
	15	2432	36	2474
	16	2434	37	2476
	17	2436	38	2478
	18	2438	39	2480
	19	2440	-	-
20	2442	-	-	





## 2.2 Test Mode

- 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 only the worst plane, and the worst mode of radiated spurious emissions are X with Adapter for 2DH Ant 3+4, Z with Adapter for 3DH Ant 3+4, and recorded in this report.
- b. The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.
- c. AC power line Conducted Emission was tested under maximum output power.

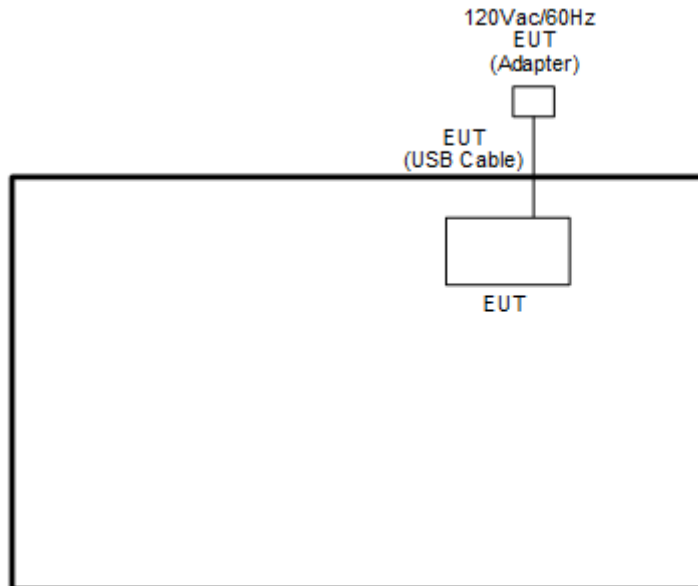
The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases	
Test Item	Data Rate / Modulation
<b>Conducted Test Cases</b>	<b>Bluetooth EDR</b>
	Mode 1: Bluetooth Tx CH00_2402 MHz_2Mbps
	Mode 2: Bluetooth Tx CH19_2441 MHz_2Mbps
	Mode 3: Bluetooth Tx CH39_2480 MHz_2Mbps
	Mode 4: Bluetooth Tx CH00_2402 MHz_3Mbps
	Mode 5: Bluetooth Tx CH19_2441 MHz_3Mbps
	Mode 6: Bluetooth Tx CH39_2480 MHz_3Mbps
<b>Radiated Test Cases</b>	Mode 1: Bluetooth Tx CH00_2402 MHz_2Mbps
	Mode 2: Bluetooth Tx CH19_2441 MHz_2Mbps
	Mode 3: Bluetooth Tx CH39_2480 MHz_2Mbps
	Mode 4: Bluetooth Tx CH00_2402 MHz_3Mbps
	Mode 5: Bluetooth Tx CH19_2441 MHz_3Mbps
	Mode 6: Bluetooth Tx CH39_2480 MHz_3Mbps

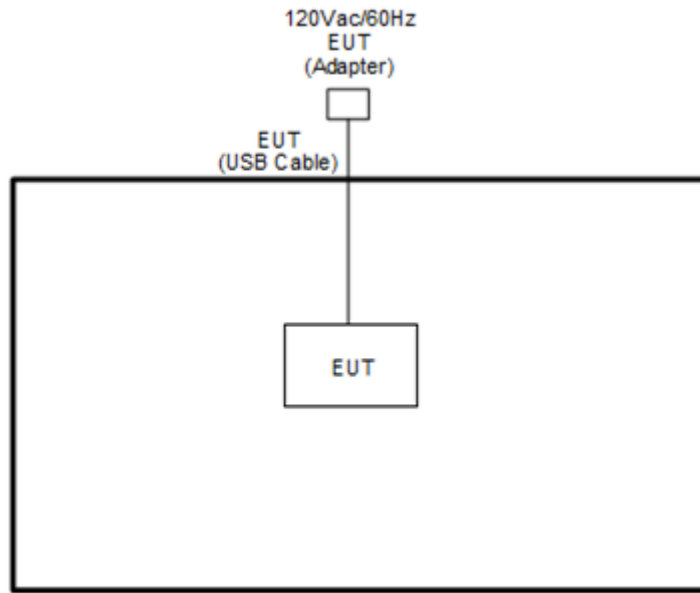
Summary table of Test Cases	
Test Item	Data Rate / Modulation
AC Conducted Emission	Mode 1: Bluetooth Link + USB cable 2 (Charging from Adapter 1)
<b>Remark:</b> 1. For Radiated Test Cases, the tests were performed with Adapter 1, USB Cable 2 2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 3. During the preliminary test, both charging modes (Adapter mode and WPC Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.	

### 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<Bluetooth 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.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



## 2.5 EUT Operation Test Setup

The RF test items, utility “BT\_DUT\_Control\_GUI.exe ver.01-01-26” for DTS 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 6dB 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 Bandwidth

Please refer to Appendix A.

##### 3.1.6 Test Result of 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 of 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.

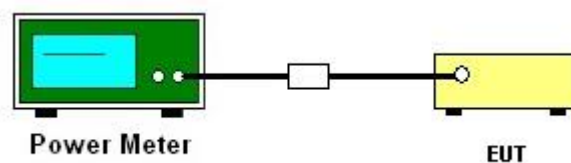
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

1. For Peak Power, the testing follows ANSI C63.10 Section 11.9.1.3 PKPM1.
2. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
3. The RF output of EUT is connected to the power meter by RF cable and attenuator.
4. The path loss is compensated to the results for each measurement.
5. Set the maximum power setting and enable the EUT to transmit continuously.
6. Measure the conducted output power and record the results in the test report.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

### 3.2.6 Test Result of Average Output Power (Reporting Only)

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. (6 dB 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.
7. The Measured power density (dBm)/ 100 kHz is a reference level and is used as 20 dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

#### 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

All harmonics/spurious must be at least 30 dB down from the highest emission level within the authorized band.

### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedure

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.
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 Plots

Please refer to Appendix A.

### 3.4.6 Test Result of Conducted Spurious Emission Plots

Please refer to Appendix A.





### 3.5 Radiated Band Edges and Spurious Emission Measurement

#### 3.5.1 Limit of Radiated Band Edges and Spurious Emission

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.

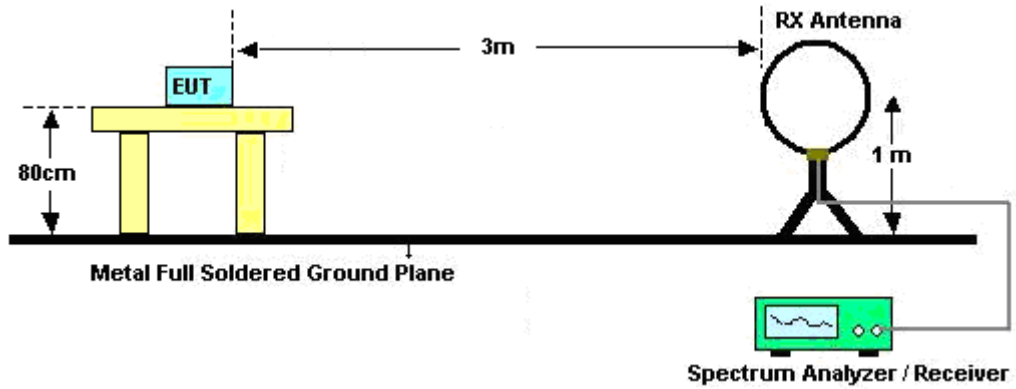


### 3.5.3 Test Procedures

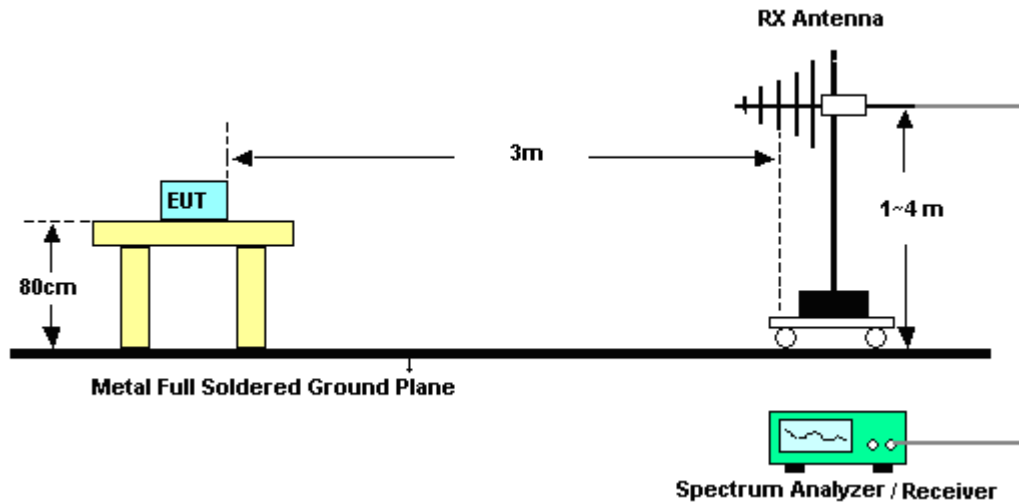
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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

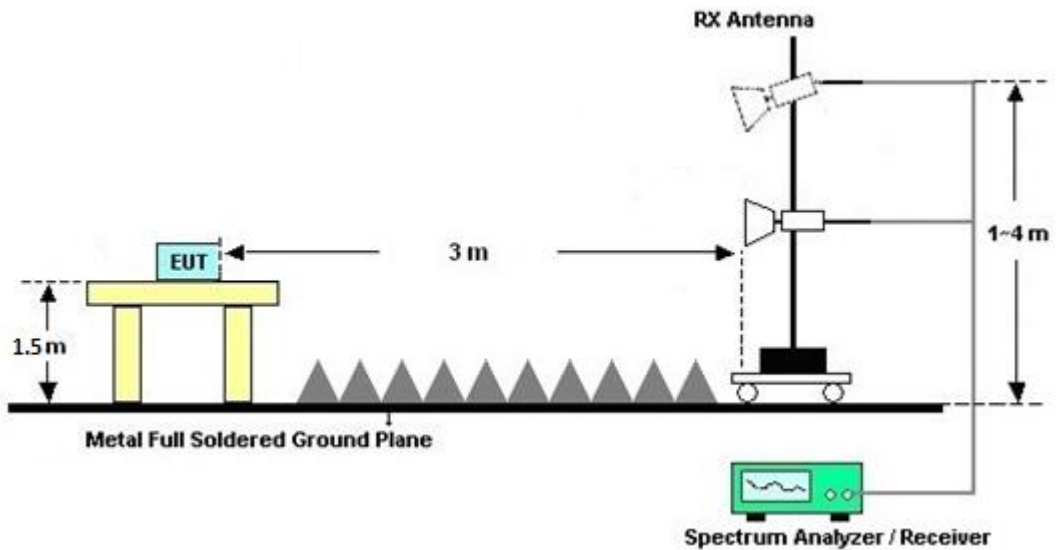
For radiated test below 30MHz



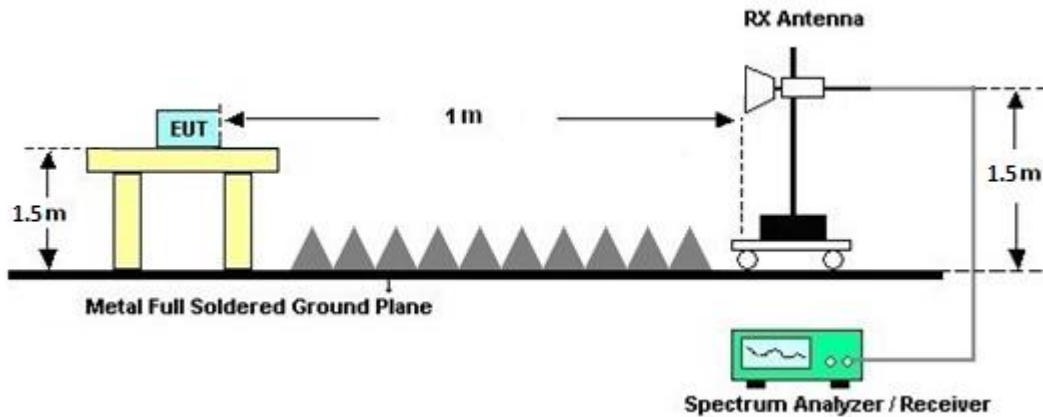
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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 (30 MHz ~ 10th 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 (dB $\mu$ V)	
	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.

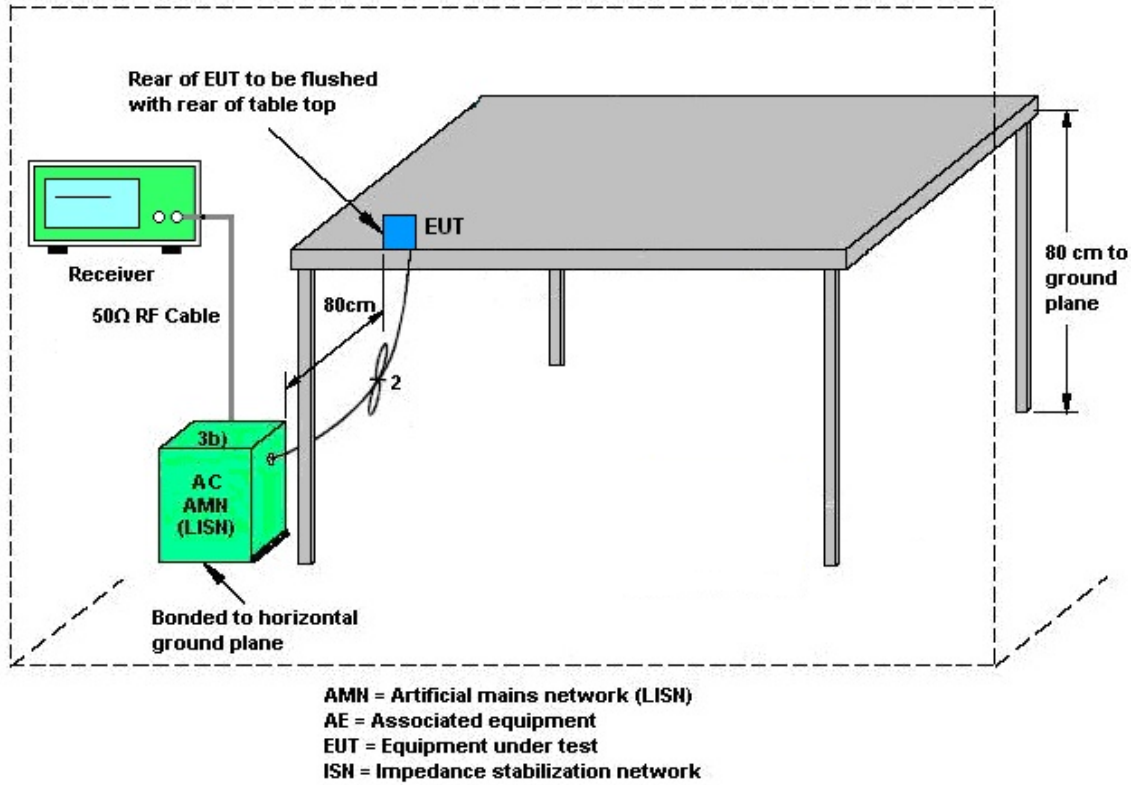
#### 3.6.2 Measuring Instruments

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 = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

### 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	100488	9 kHz~30 MHz	Sep. 12, 2023	Jan. 11, 2024~ Mar. 27, 2024	Sep. 11, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 07, 2023	Jan. 11, 2024~ Feb. 06, 2024	Oct. 06, 2024	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 04, 2024	Feb. 07, 2024~ Mar. 27, 2024	Feb. 03, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 30, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jun. 29, 2024	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz~40GHz	Jul. 10, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jul. 09, 2024	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 26, 2023	Jan. 11, 2024~ Mar. 27, 2024	Dec. 25, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060812	1GHz~18GHz	Dec. 25, 2023	Jan. 11, 2024~ Feb. 20, 2024	Dec. 24, 2024	Radiation (03CH15-HY)
Preamplifier	EMEC	EM01G18G	060837	1GHz~18GHz	Feb. 15, 2024	Feb. 21, 2024~ Mar. 27, 2024	Feb. 14, 2025	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Jan. 11, 2024~ Mar. 01, 2024	Dec. 06, 2024	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 29, 2024	Mar. 01, 2024~ Mar. 27, 2024	Feb. 28, 2025	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jun. 26, 2024	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Oct. 06, 2023	Jan. 11, 2024~ Mar. 27, 2024	Oct. 05, 2024	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jul. 05, 2024	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 11, 2024~ Mar. 27, 2024	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 11, 2024~ Mar. 27, 2024	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Jan. 11, 2024~ Mar. 27, 2024	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,803 950/2	N/A	Jun. 13, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jun. 12, 2024	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Jan. 02, 2024	Jan. 11, 2024~ Mar. 27, 2024	Jan. 01, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 14, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN4	3GHz High Pass Filter	Jun. 14, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jun. 13, 2024	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Jul. 26, 2023	Jan. 11, 2024~ Mar. 27, 2024	Jul. 25, 2024	Radiation (03CH15-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. 23, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 23, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Mar. 23, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Mar. 23, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Mar. 23, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Mar. 23, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Mar. 23, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Feb. 15, 2024~ Mar. 30, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1036004	N/A	Jul. 27, 2023	Feb. 15, 2024~ Mar. 30, 2024	Jul. 26, 2024	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Jul. 27, 2023	Feb. 15, 2024~ Mar. 30, 2024	Jul. 26, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2023	Feb. 15, 2024~ Mar. 30, 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
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.30 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.50 dB
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### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.50 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.40 dB
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## Appendix A. Test Result of Conducted Test Items

Test Engineer:	Ju Chang	Temperature:	21~25	°C
Test Date:	2024/02/15-2024/03/30	Relative Humidity:	51~54	%

&lt;EDR Ant. 3+4&gt;

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

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass /Fail
					Ant3	Ant4	Ant3	Ant4		
2DH	2Mbps	2	0	2402	1.193	1.195	1.080	1.080	0.50	Pass
2DH	2Mbps	2	39	2441	1.196	1.196	1.080	1.080	0.50	Pass
2DH	2Mbps	2	78	2480	1.194	1.195	1.084	1.080	0.50	Pass
3DH	3Mbps	2	0	2402	1.172	1.172	1.103	1.082	0.50	Pass
3DH	3Mbps	2	39	2441	1.172	1.172	1.074	1.074	0.50	Pass
3DH	3Mbps	2	78	2480	1.173	1.173	1.074	1.074	0.50	Pass

**TEST RESULTS DATA**  
**Peak Power Table**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)	DG (dBi)	Total EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant3	Ant4	SUM					
2DH	2Mbps	2	0	2402	19.38	19.91	22.66	30.00	-0.10	22.56	36.00	Pass
2DH	2Mbps	2	39	2441	18.13	19.30	21.76	30.00	-0.10	21.66	36.00	Pass
2DH	2Mbps	2	78	2480	18.73	19.77	22.29	30.00	-0.10	22.19	36.00	Pass
3DH	3Mbps	2	0	2402	19.34	20.00	22.69	30.00	-0.10	22.59	36.00	Pass
3DH	3Mbps	2	39	2441	18.73	19.34	22.06	30.00	-0.10	21.96	36.00	Pass
3DH	3Mbps	2	78	2480	19.07	20.09	22.62	30.00	-0.10	22.52	36.00	Pass

**TEST RESULTS DATA**  
**Average Power Table**  
**(Reporting Only)**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)	DG (dBi)	Total EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant3	Ant4	SUM					
2DH	2Mbps	2	0	2402	16.50	16.68	19.60	30.00	-0.10	19.50	36.00	Pass
2DH	2Mbps	2	39	2441	15.56	15.87	18.72	30.00	-0.10	18.62	36.00	Pass
2DH	2Mbps	2	78	2480	16.04	16.46	19.26	30.00	-0.10	19.16	36.00	Pass
3DH	3Mbps	2	0	2402	16.26	16.51	19.40	30.00	-0.10	19.30	36.00	Pass
3DH	3Mbps	2	39	2441	15.76	15.56	18.67	30.00	-0.10	18.57	36.00	Pass
3DH	3Mbps	2	78	2480	16.03	16.47	19.27	30.00	-0.10	19.17	36.00	Pass

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

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	Peak PSD Worst +3.01 (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass /Fail
2DH	2Mbps	2	39	2441	15.63	1.79	4.80	-0.10	8.00	Pass
2DH	2Mbps	2	78	2480	15.83	1.87	4.88	-0.10	8.00	Pass
3DH	3Mbps	2	0	2402	16.32	2.72	5.73	-0.10	8.00	Pass
3DH	3Mbps	2	39	2441	16.21	2.22	5.23	-0.10	8.00	Pass
3DH	3Mbps	2	78	2480	16.16	2.42	5.43	-0.10	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 20dBc limit.



<DTS Ant. 3>

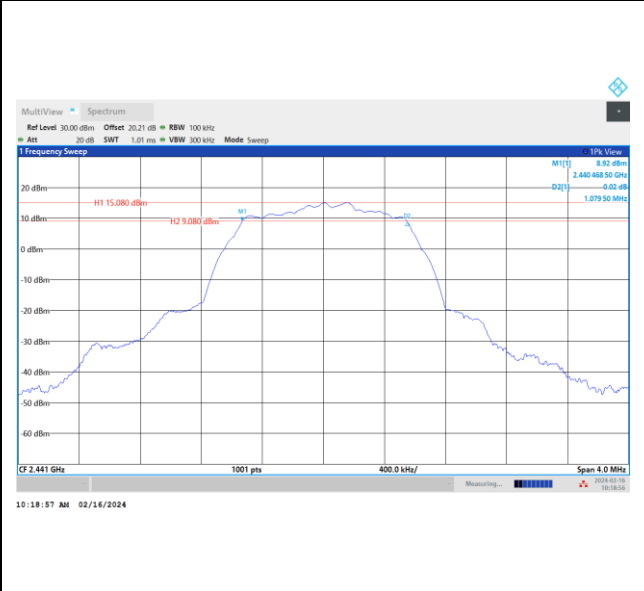
# 6dB Bandwidth

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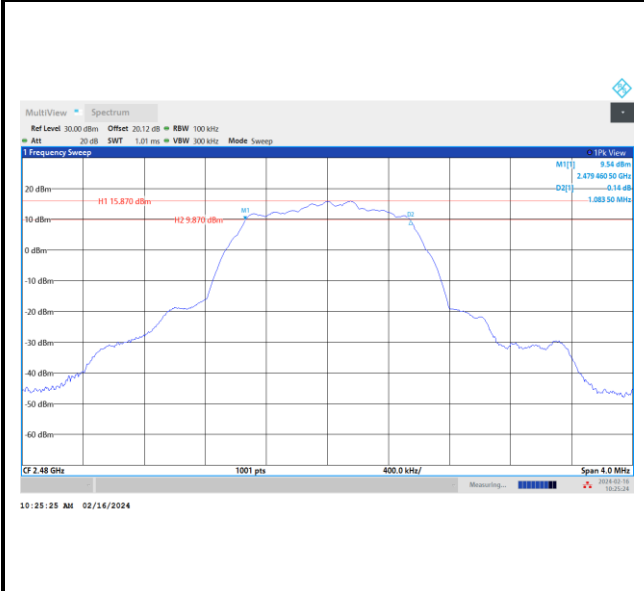
6 dB Bandwidth Plot on Channel 00



6 dB Bandwidth Plot on Channel 39



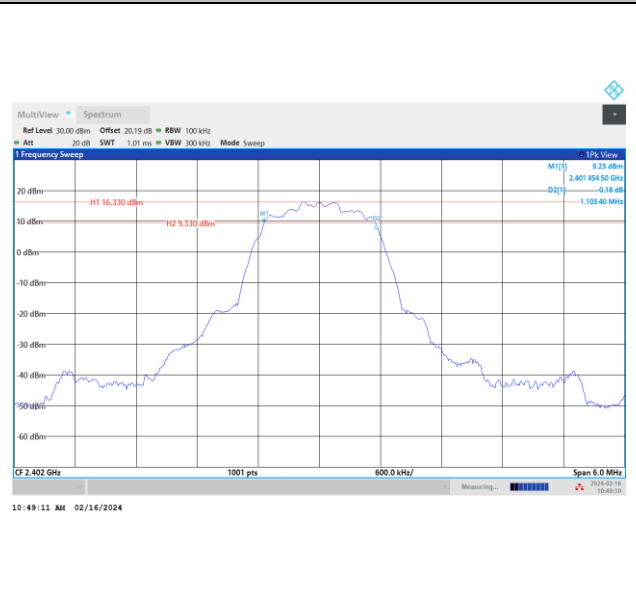
6 dB Bandwidth Plot on Channel 78



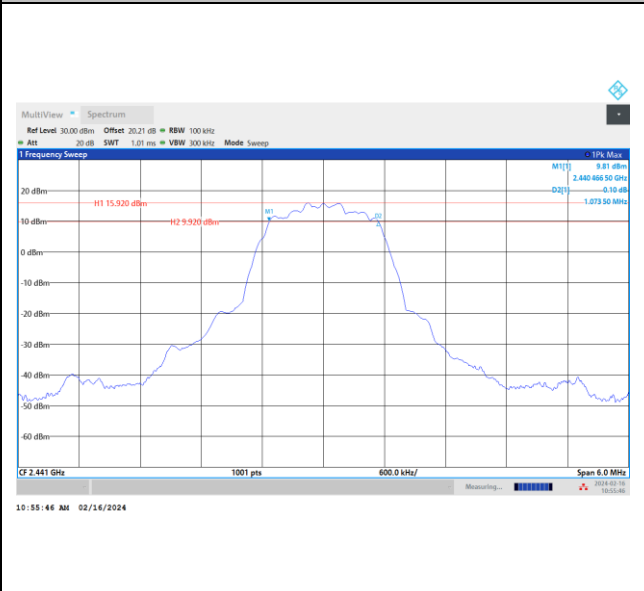


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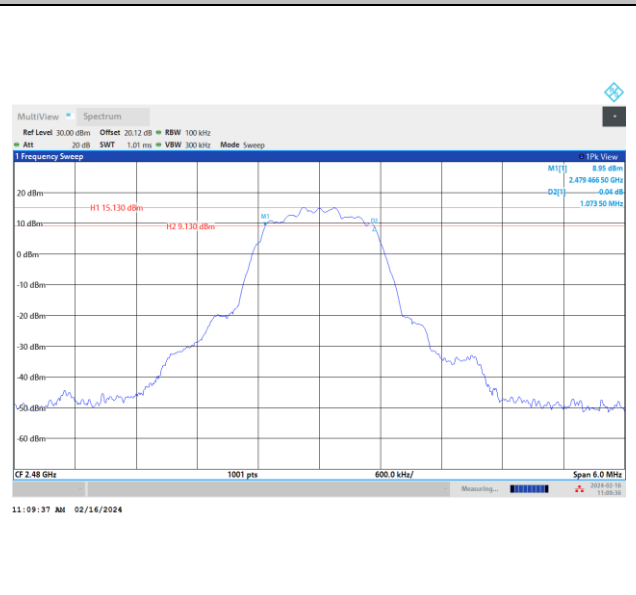
6 dB Bandwidth Plot on Channel 00



6 dB Bandwidth Plot on Channel 39



6 dB Bandwidth Plot on Channel 78



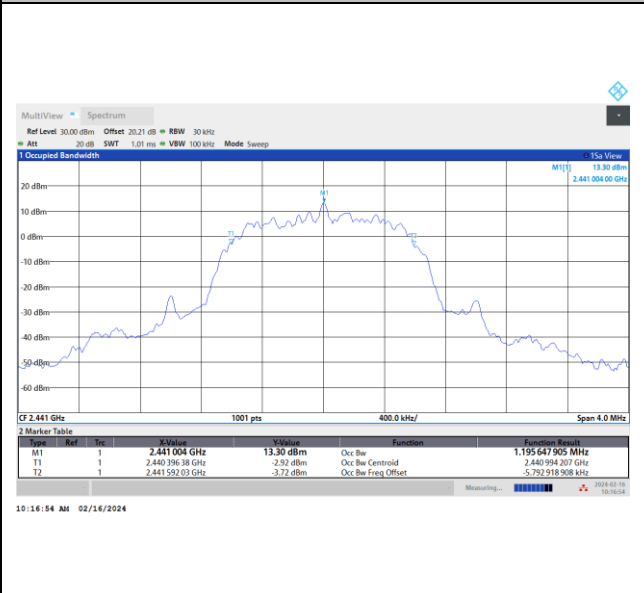
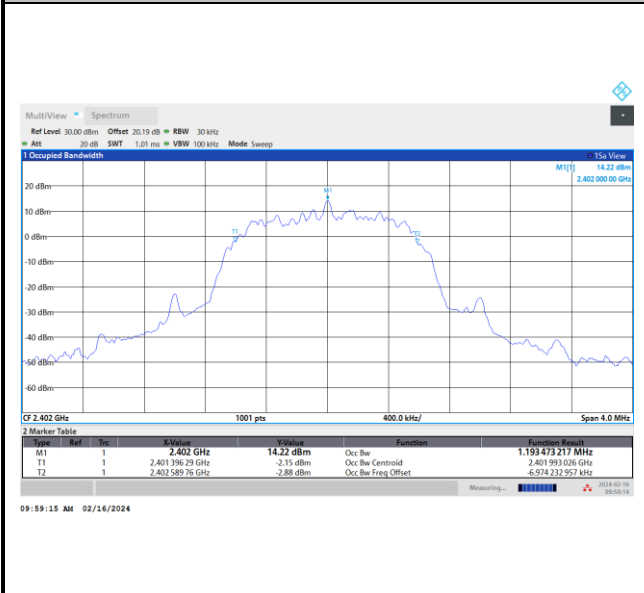


99% Occupied Bandwidth

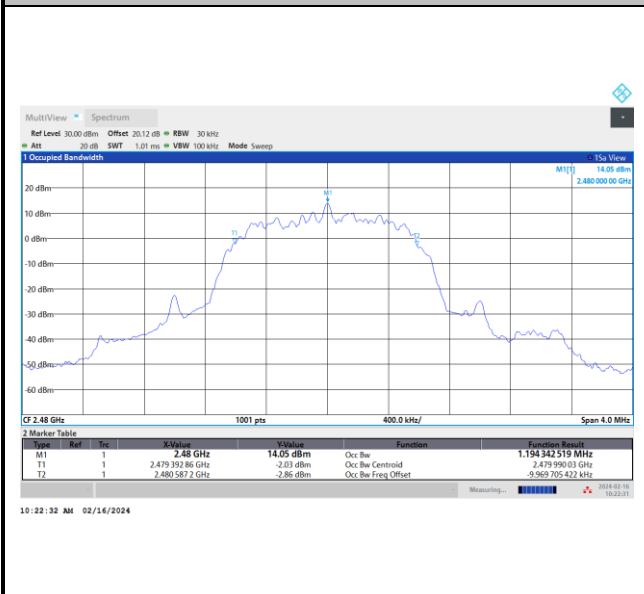
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99% Occupied Bandwidth Plot on Channel 00

99% Occupied Plot Bandwidth on Channel 39



99% Occupied Bandwidth Plot on Channel 78

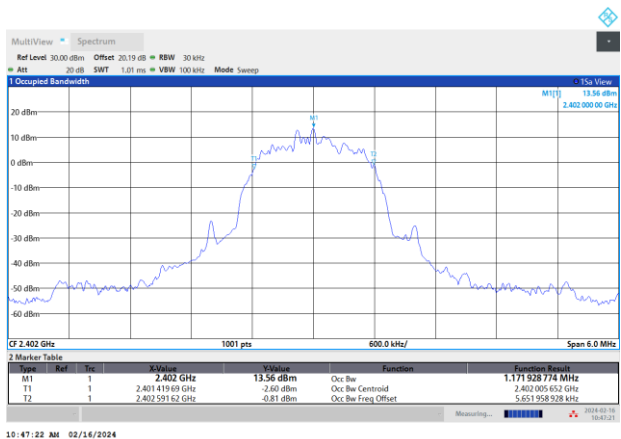


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



<3Mbps>

99% Occupied Bandwidth Plot on Channel 00



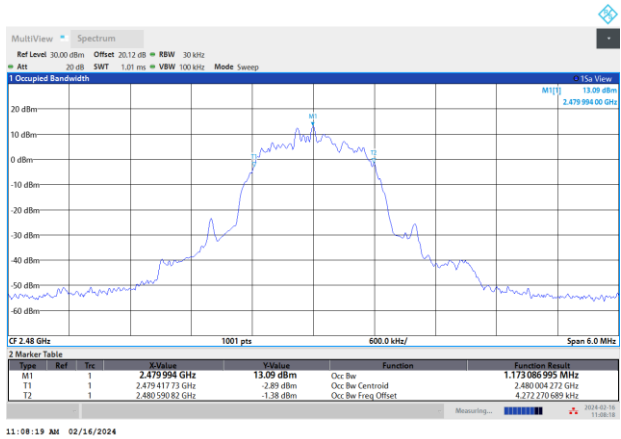
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99% Occupied Plot Bandwidth on Channel 39



10:51:57 AM 02/16/2024

99% Occupied Bandwidth Plot on Channel 78



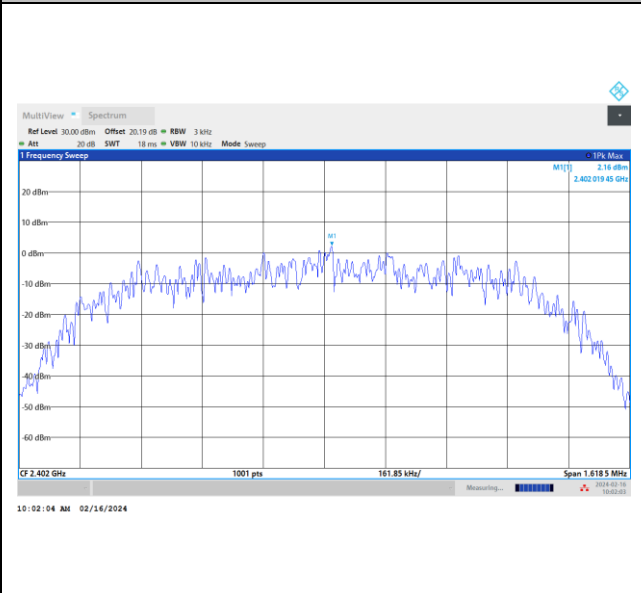
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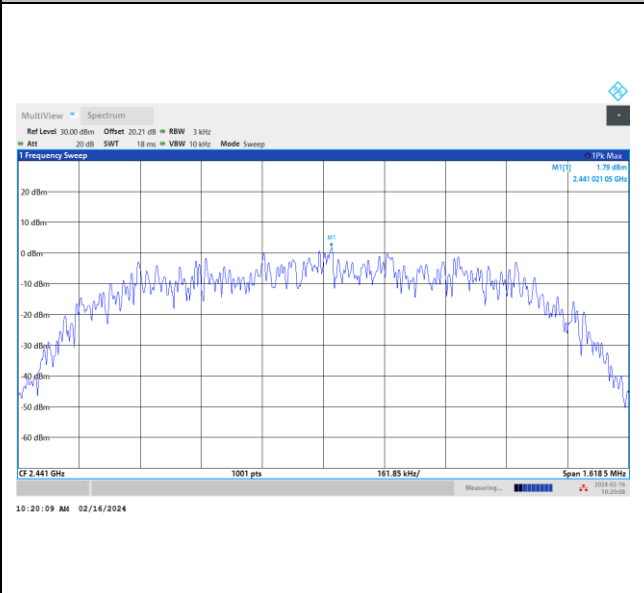
# Power Spectral Density (dBm/3kHz)

<2Mbps>

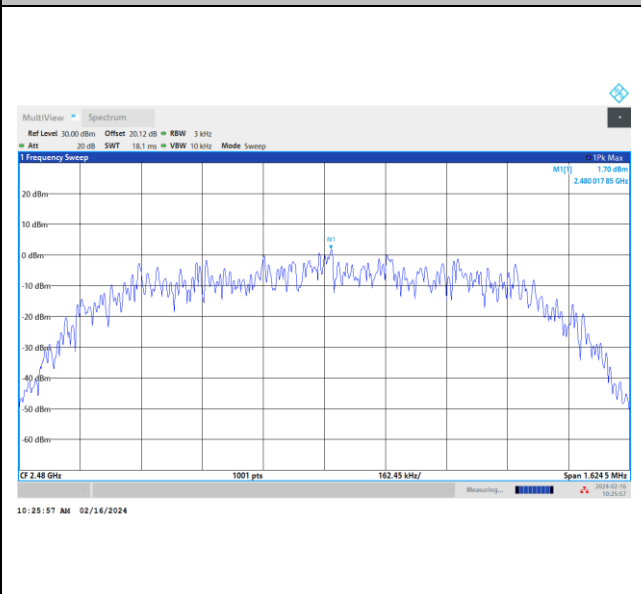
Power Density (dBm/3kHz) Plot Channel 00



Power Density (dBm/3kHz) Plot Channel 39



Power Density (dBm/3kHz) Plot Channel 78

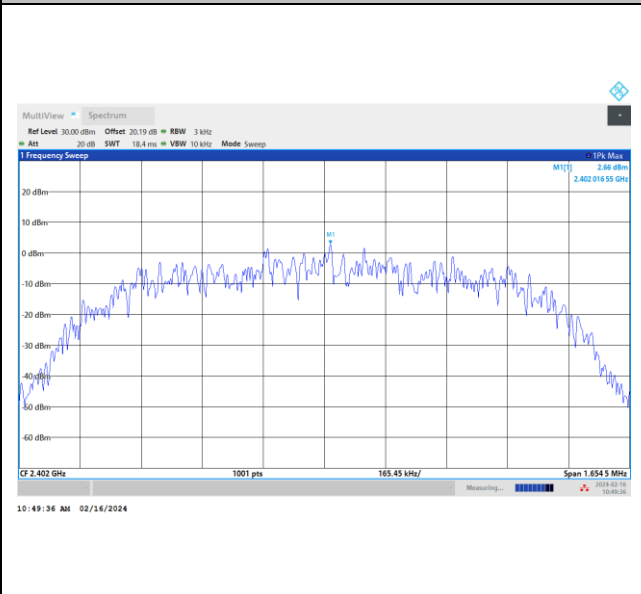




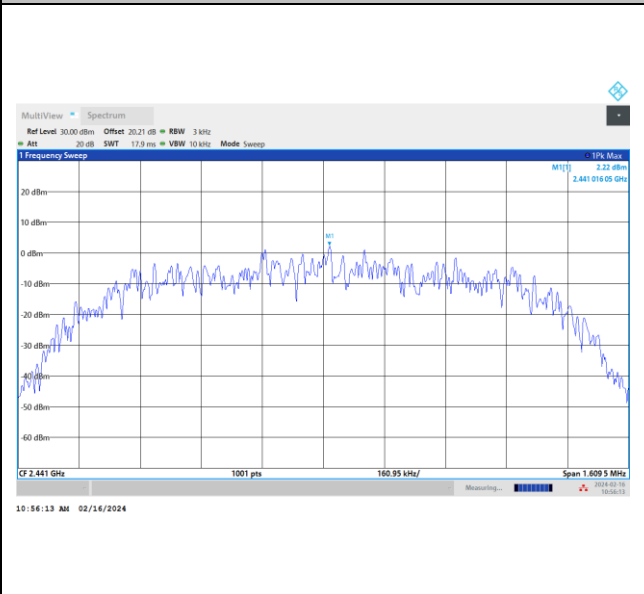


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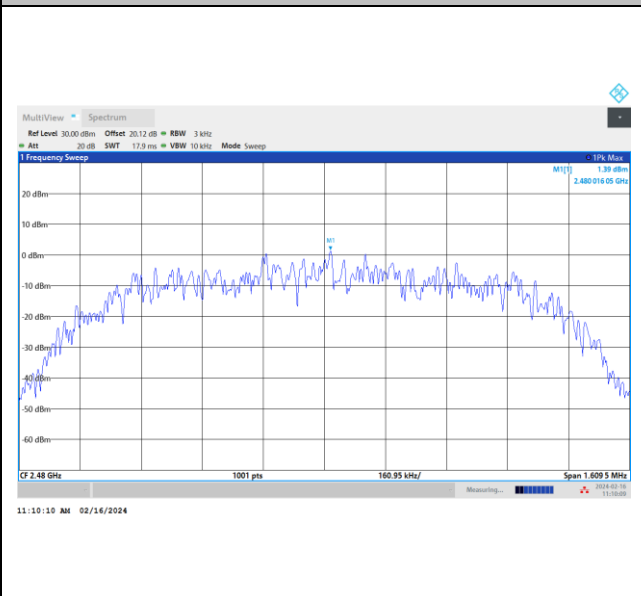
Power Density (dBm/3kHz) Plot Channel 00



Power Density (dBm/3kHz) Plot Channel 39



Power Density (dBm/3kHz) Plot Channel 78

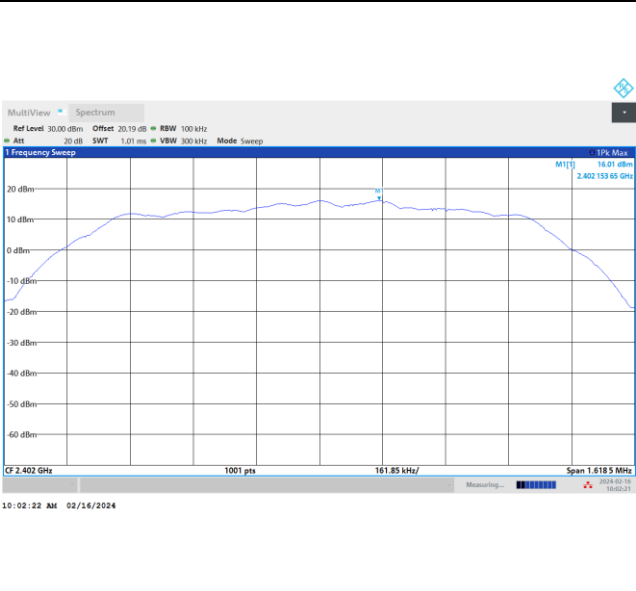




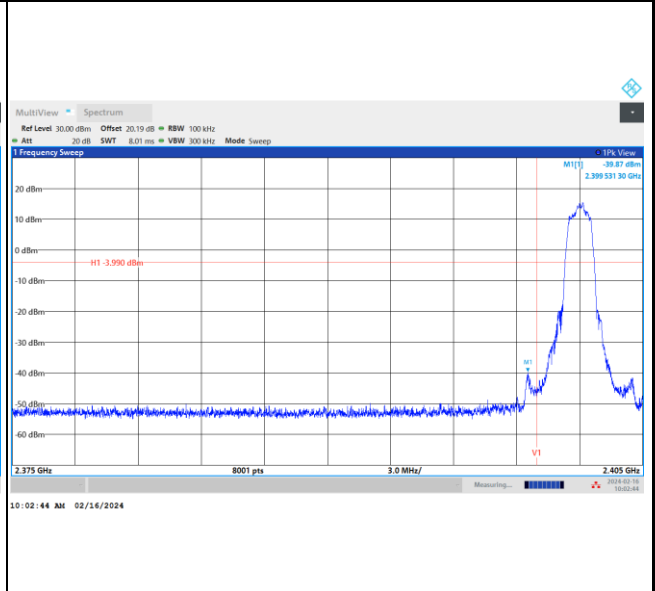
# Band Edge and Spurious Emission

## <2Mbps> Channel 00

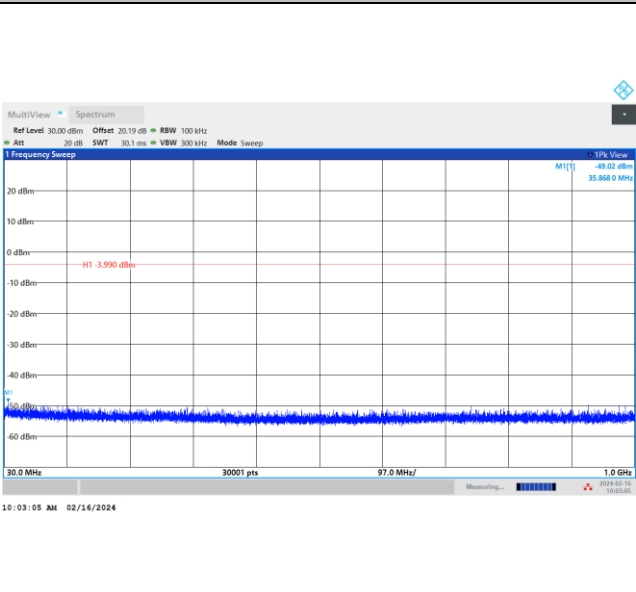
### 100kHz PSD reference Level Plot



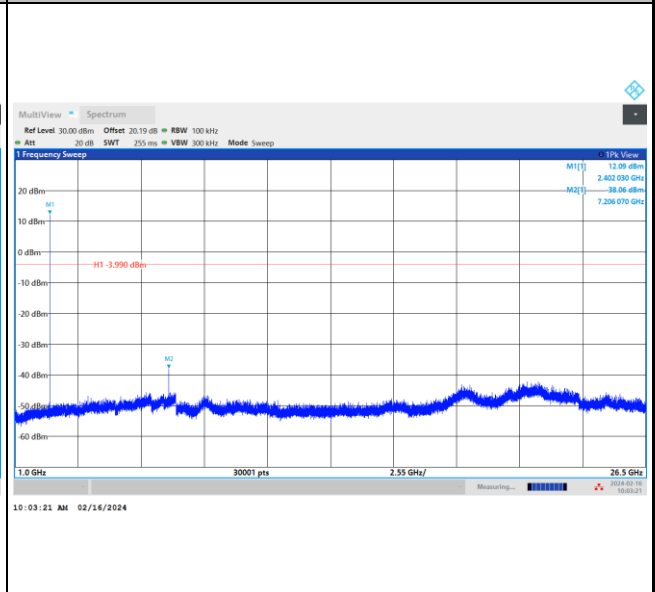
### Low Channel Plot



### Spurious Emission 30MHz~1GHz Plot



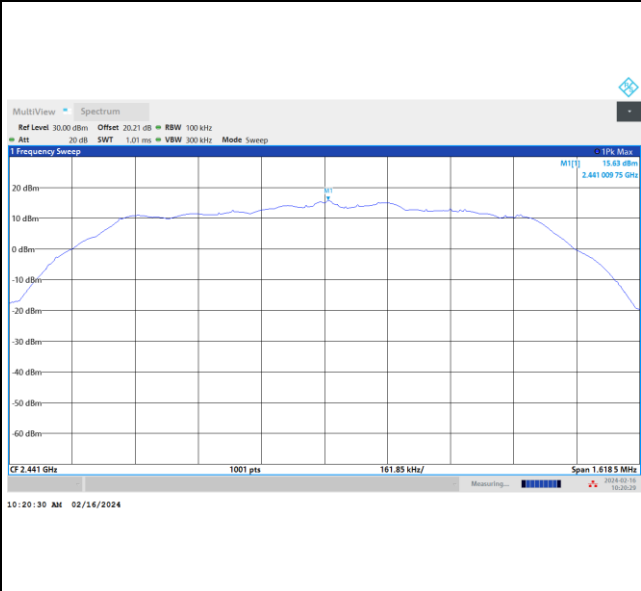
### Spurious Emission 1GHz~26.5GHz Plot





<2Mbps> Channel 39

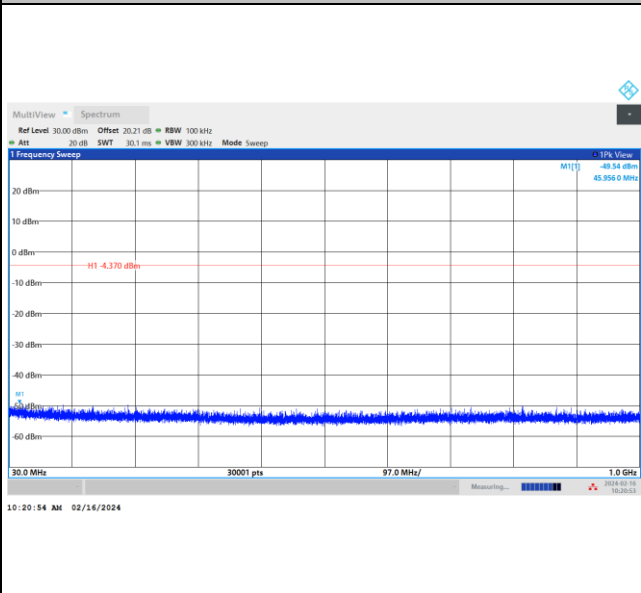
100kHz PSD reference Level Plot



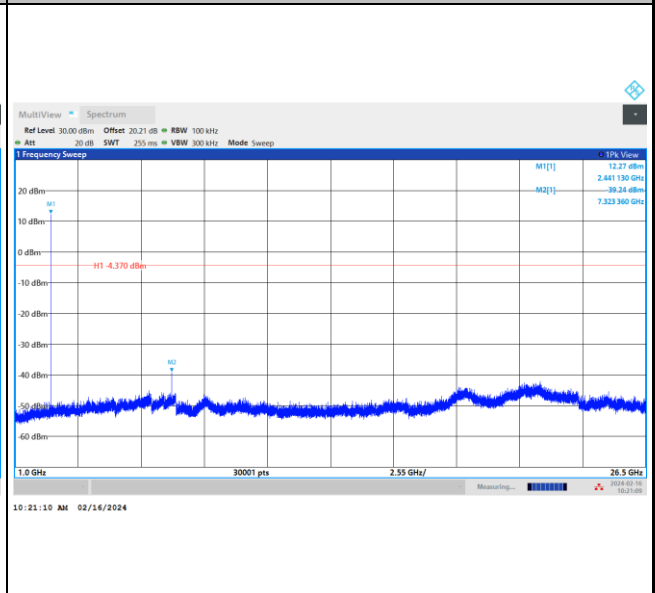
Middle Channel Plot



Spurious Emission 30MHz~1GHz Plot



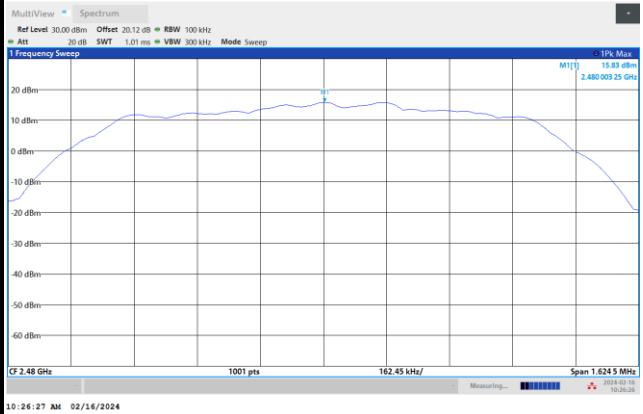
Spurious Emission 1GHz~26.5GHz Plot



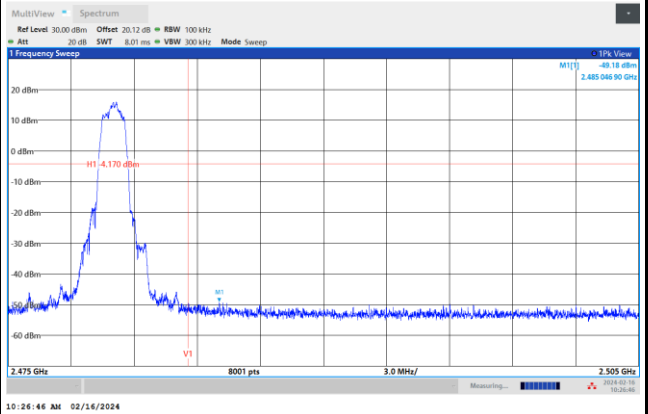


<2Mbps> Channel 78

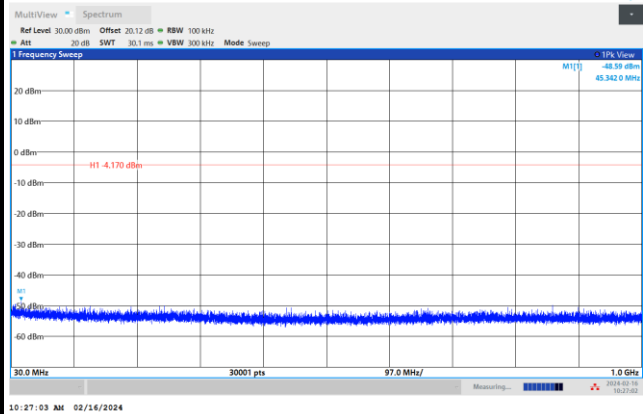
100kHz PSD reference Level Plot



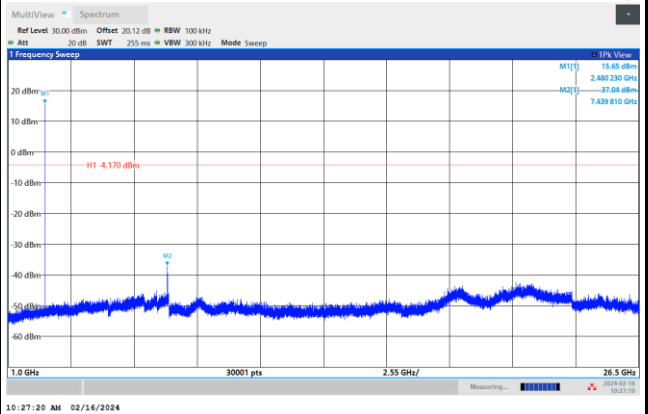
High Channel Plot



Spurious Emission 30MHz~1GHz Plot



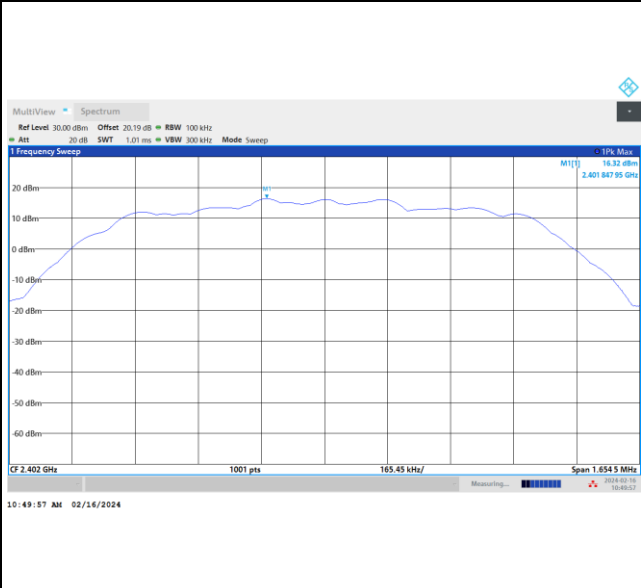
Spurious Emission 1GHz~26.5GHz Plot



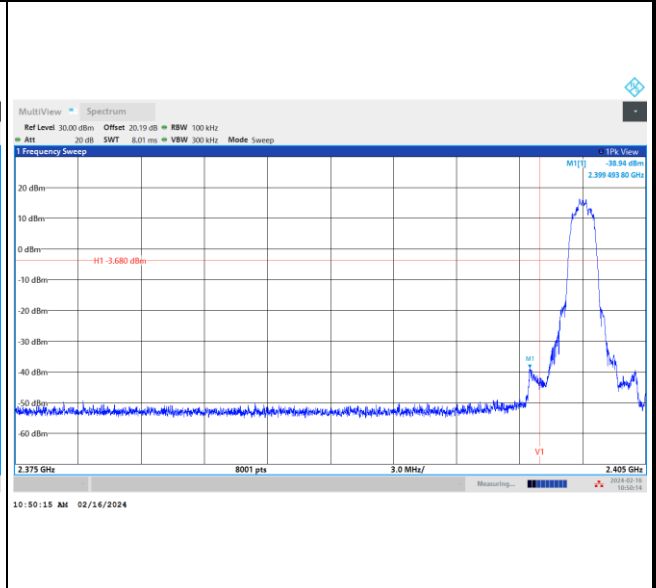


<3Mbps> Channel 00

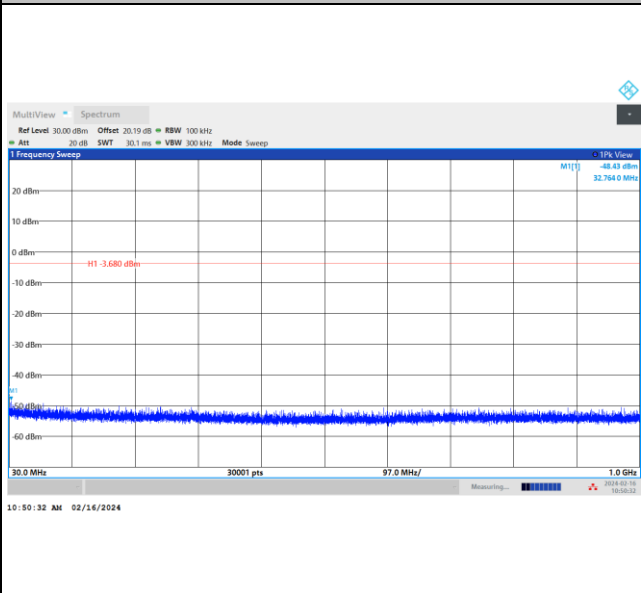
100kHz PSD reference Level Plot



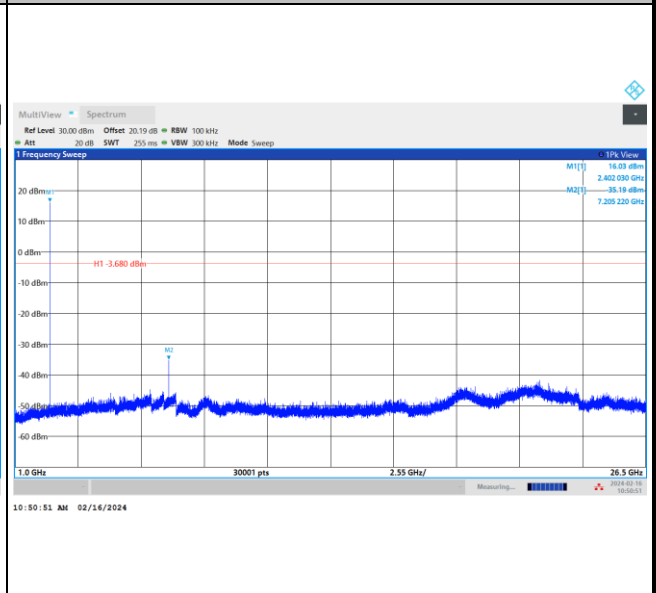
Low Channel Plot



Spurious Emission 30MHz~1GHz Plot



Spurious Emission 1GHz~26.5GHz Plot





<3Mbps> Channel 39

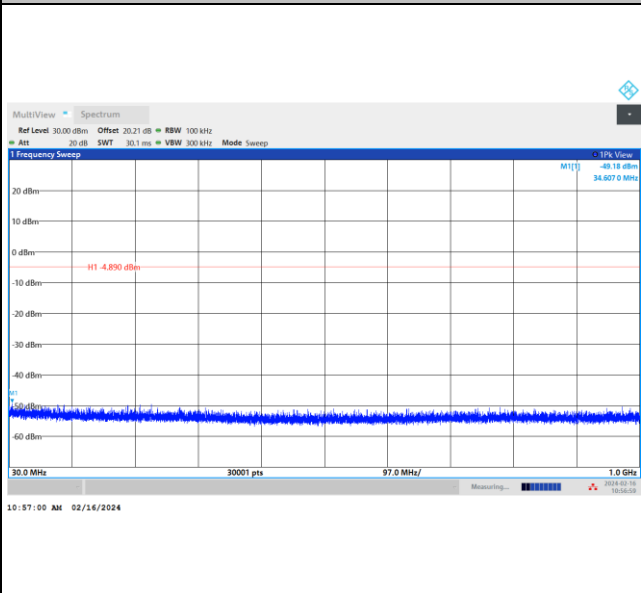
100kHz PSD reference Level Plot



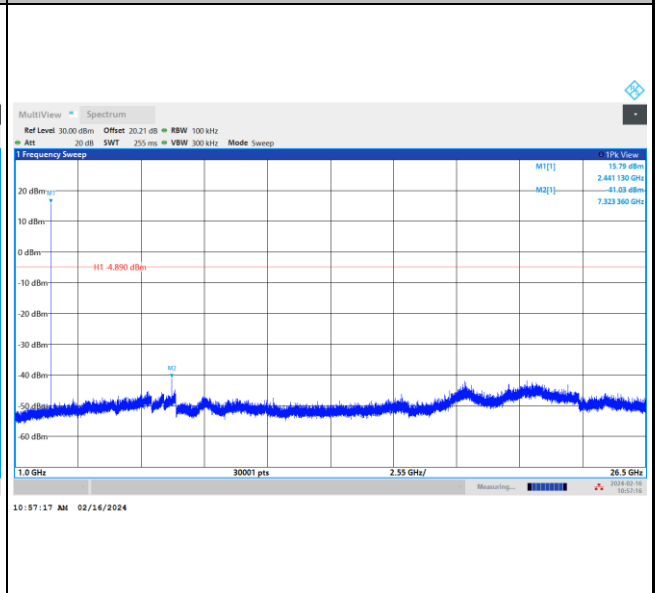
Middle Channel Plot



Spurious Emission 30MHz~1GHz Plot



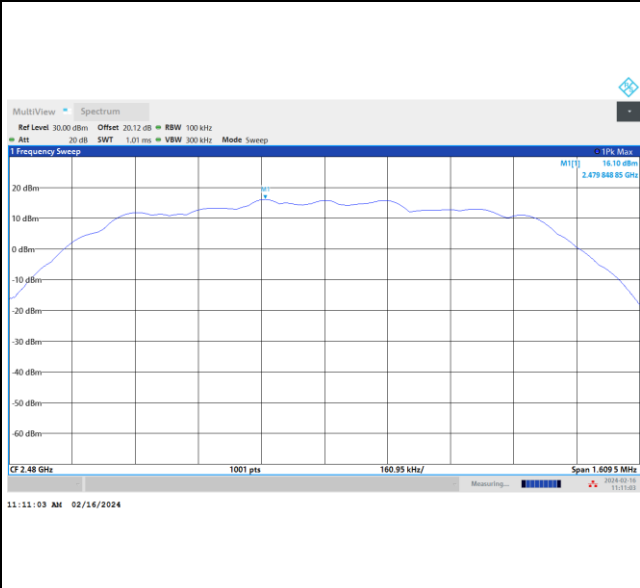
Spurious Emission 1GHz~26.5GHz Plot



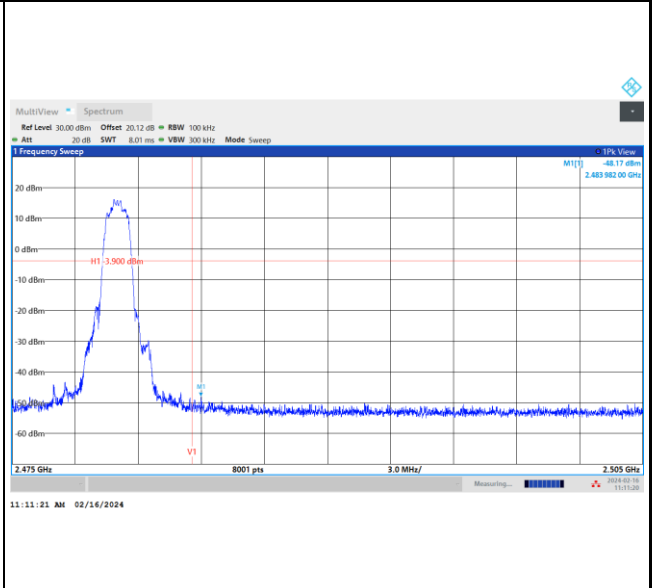


<3Mbps> Channel 78

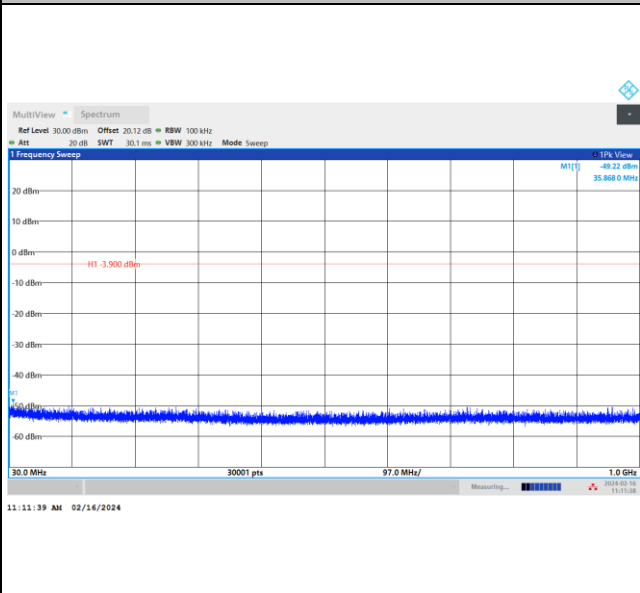
100kHz PSD reference Level Plot



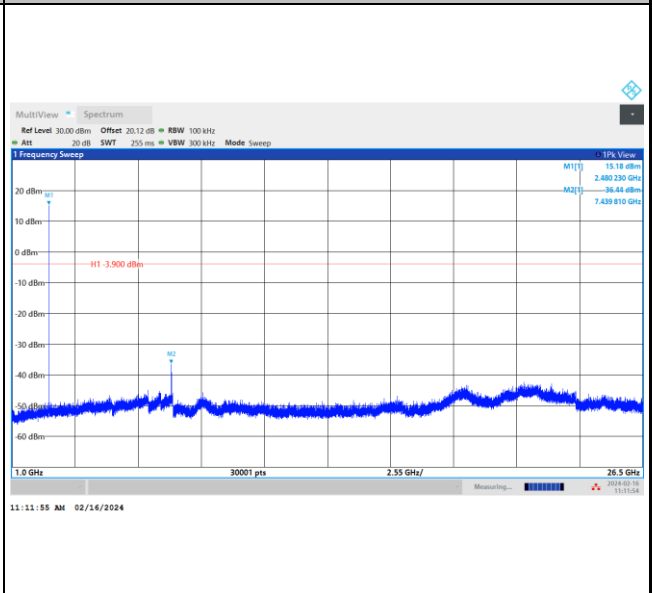
High Channel Plot



Spurious Emission 30MHz~1GHz Plot



Spurious Emission 1GHz~26.5GHz Plot



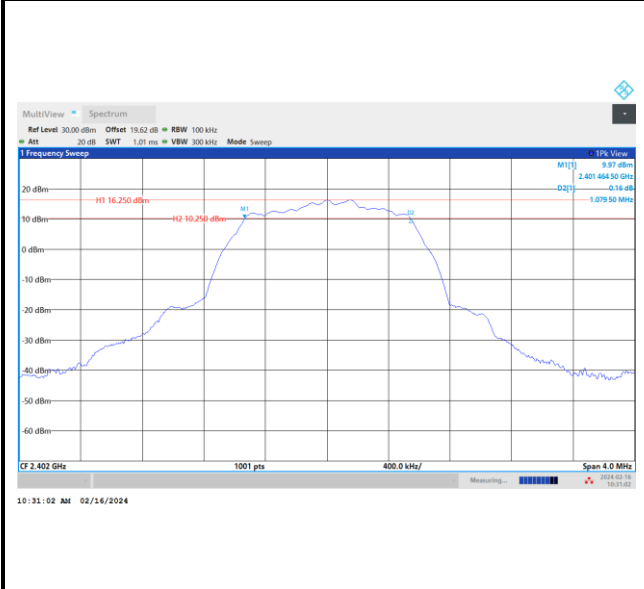


<DTS Ant. 4>

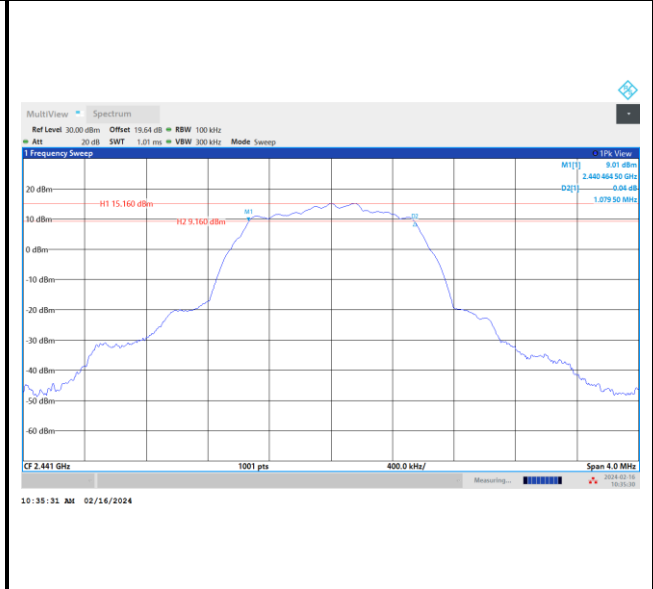
# 6dB Bandwidth

<2Mbps>

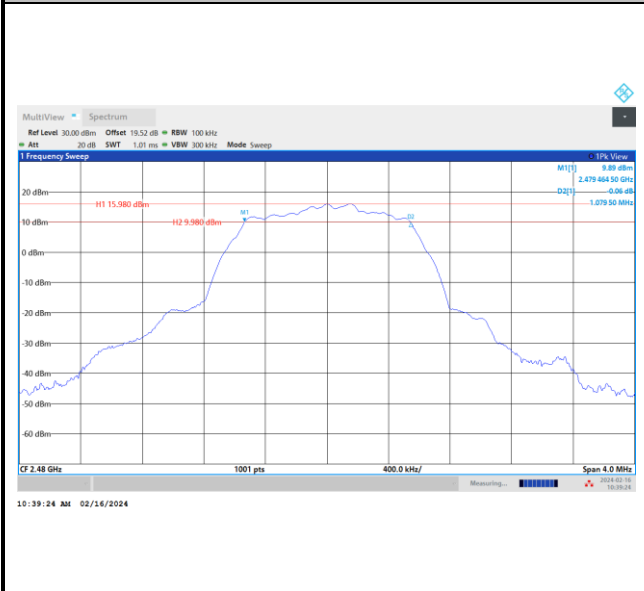
6 dB Bandwidth Plot on Channel 00



6 dB Bandwidth Plot on Channel 39



6 dB Bandwidth Plot on Channel 78

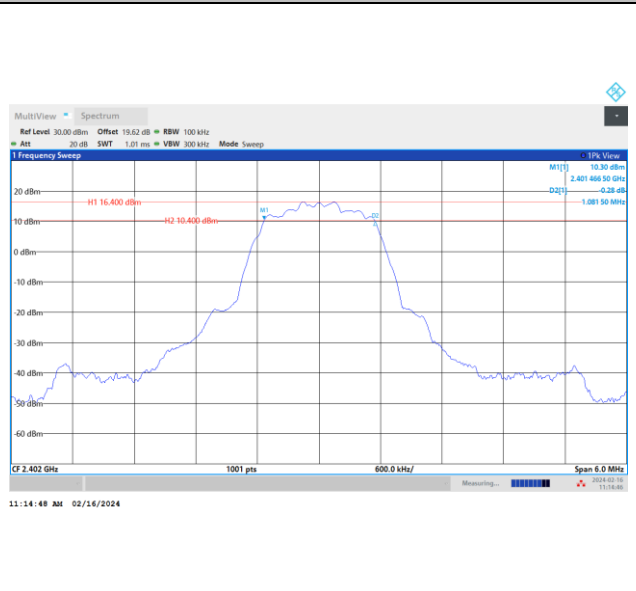




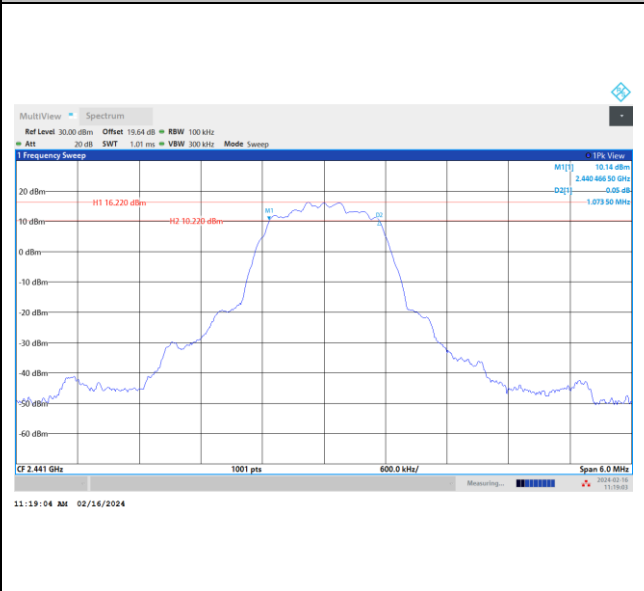


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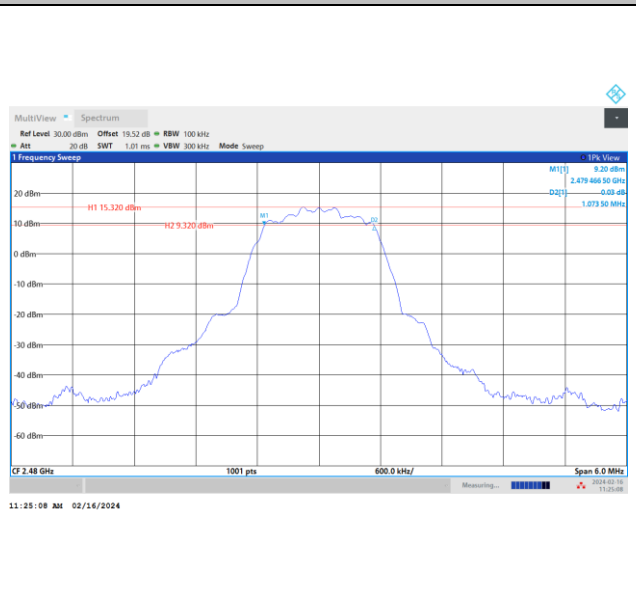
6 dB Bandwidth Plot on Channel 00



6 dB Bandwidth Plot on Channel 39



6 dB Bandwidth Plot on Channel 78





99% Occupied Bandwidth

<2Mbps>

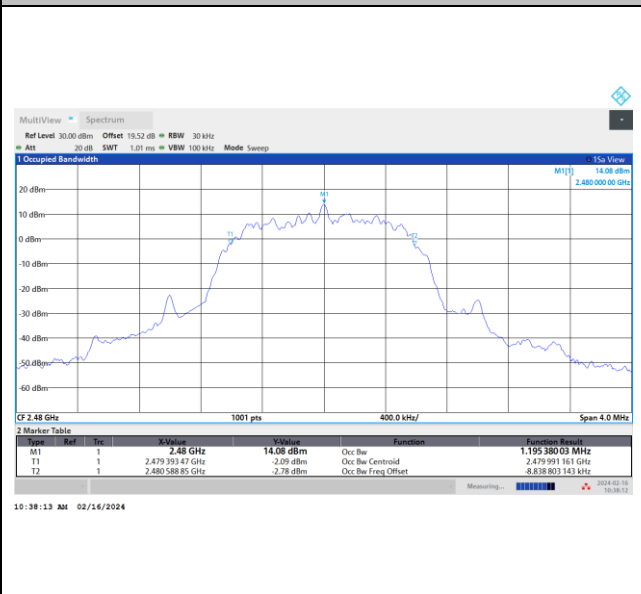
99% Occupied Bandwidth Plot on Channel 00



99% Occupied Plot Bandwidth on Channel 39



99% Occupied Bandwidth Plot on Channel 78



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



<3Mbps>

99% Occupied Bandwidth Plot on Channel 00



99% Occupied Plot Bandwidth on Channel 39



99% Occupied Bandwidth Plot on Channel 78

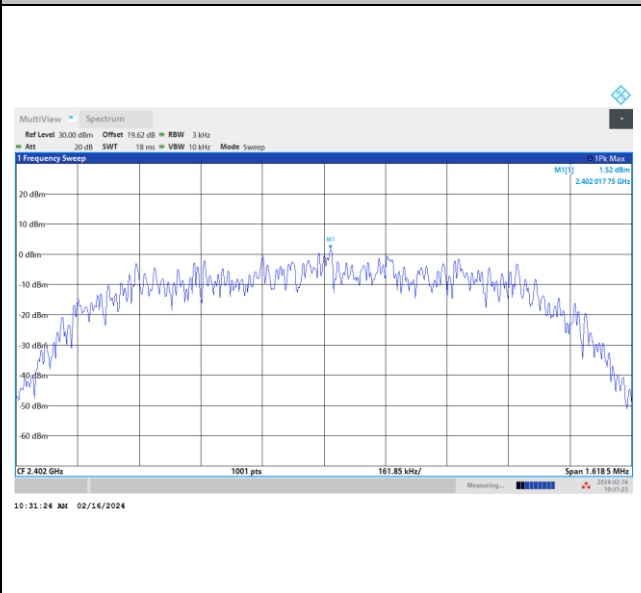




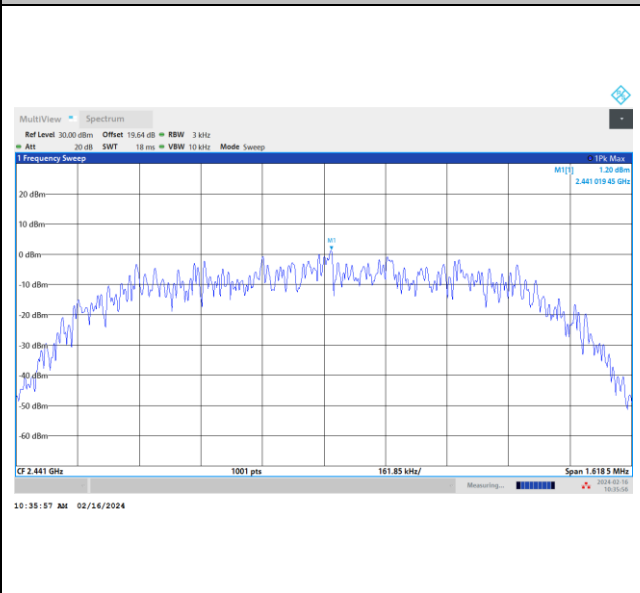
# Power Spectral Density (dBm/3kHz)

<2Mbps>

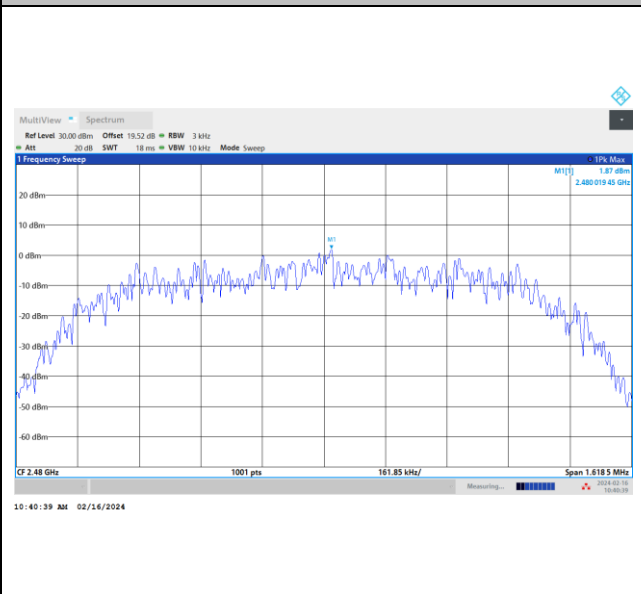
Power Density (dBm/3kHz) Plot Channel 00



Power Density (dBm/3kHz) Plot Channel 39



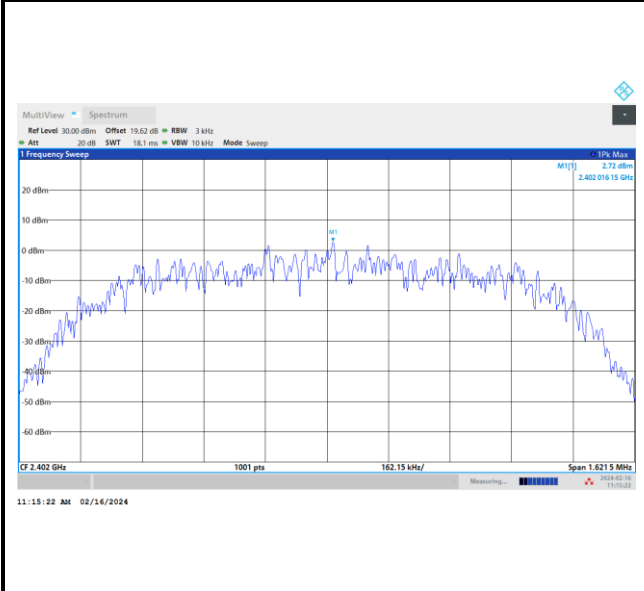
Power Density (dBm/3kHz) Plot Channel 78



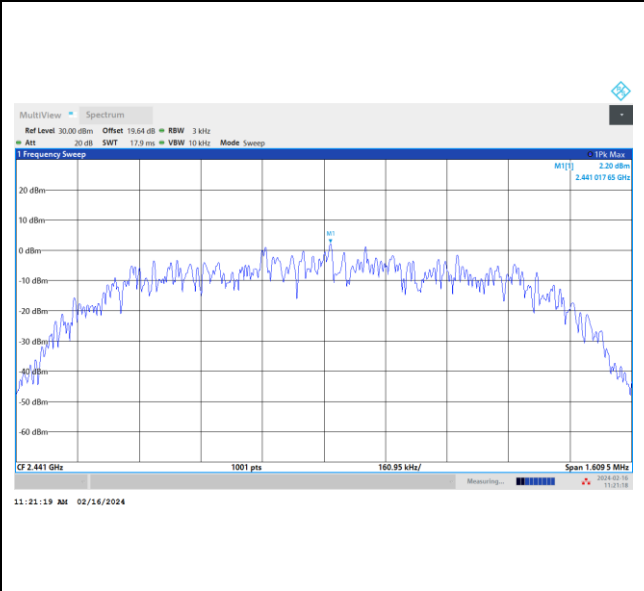


<3Mbps>

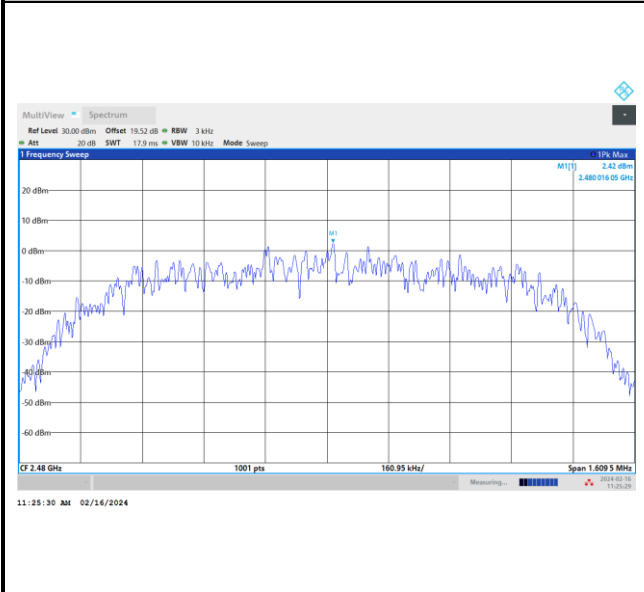
Power Density (dBm/3kHz) Plot Channel 00



Power Density (dBm/3kHz) Plot Channel 39

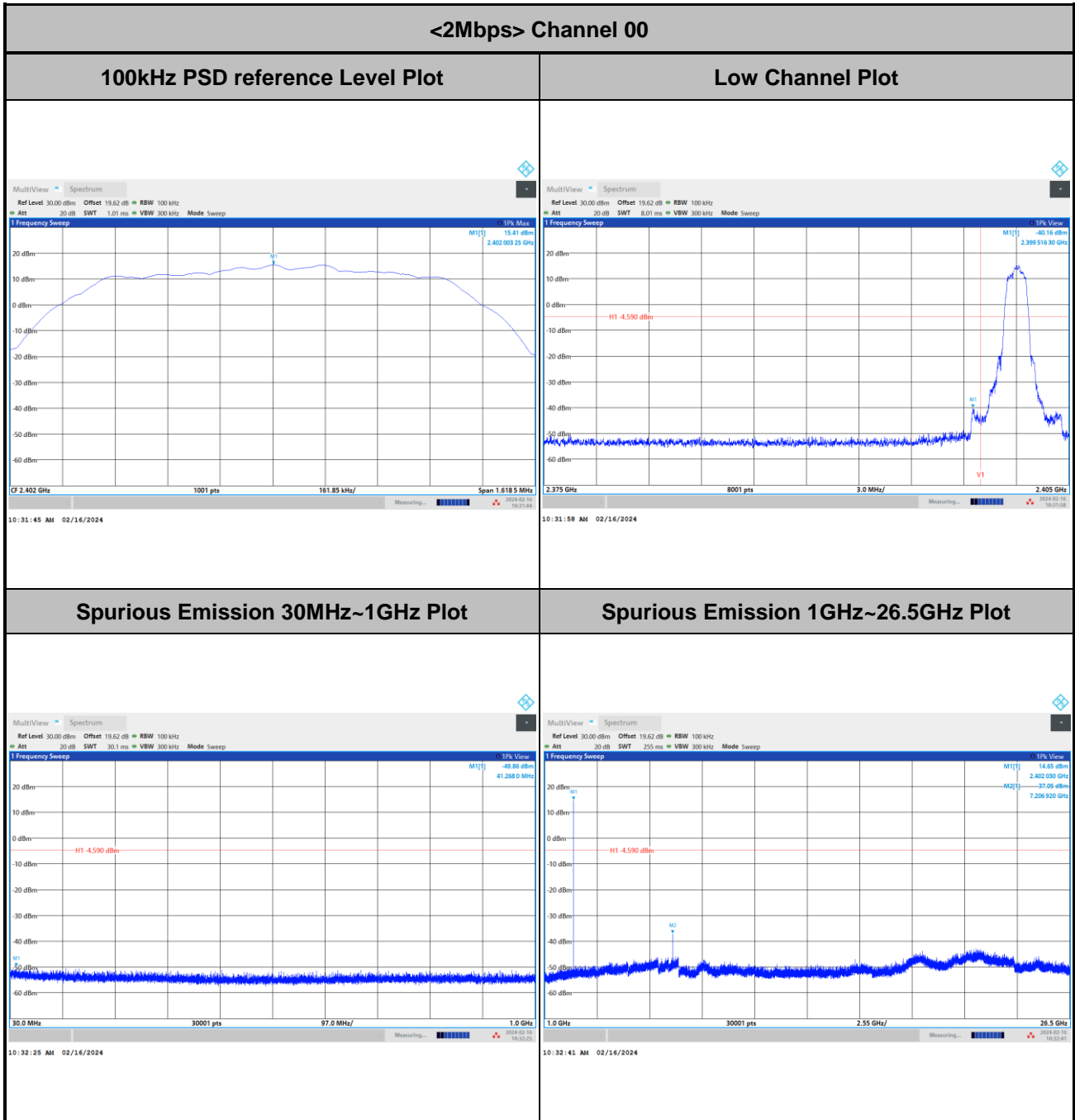


Power Density (dBm/3kHz) Plot Channel 78





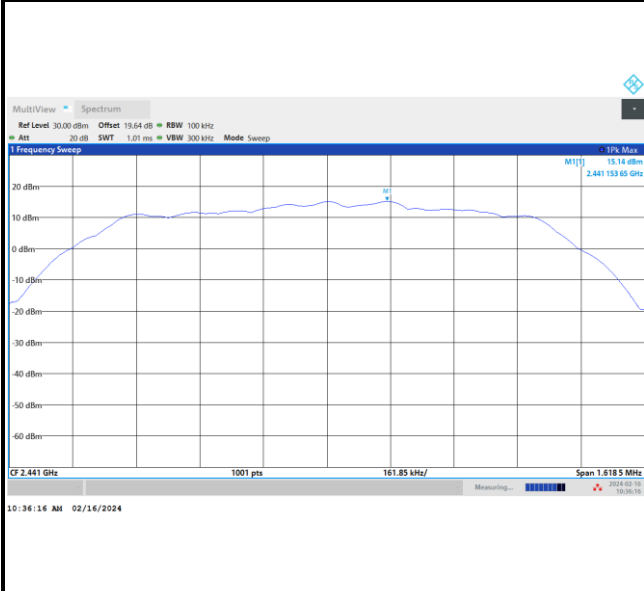
# Band Edge and Spurious Emission





<2Mbps> Channel 39

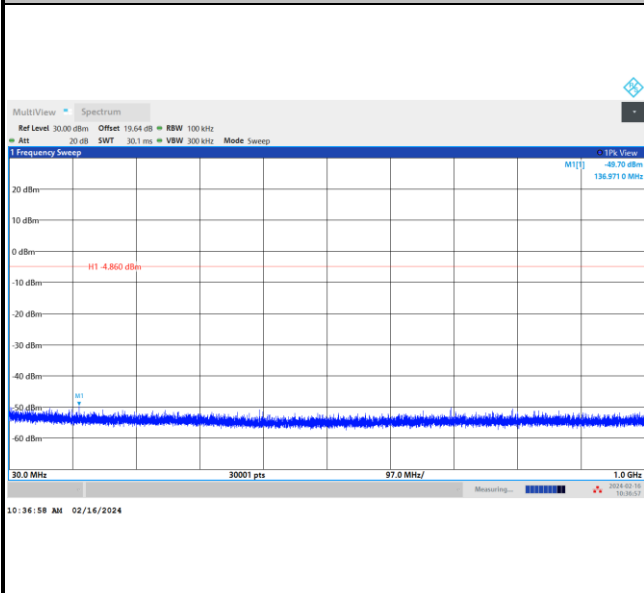
100kHz PSD reference Level Plot



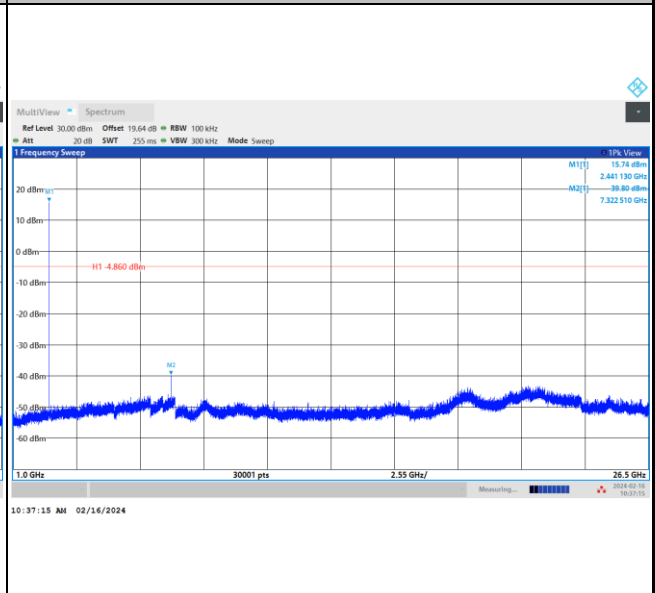
Middle Channel Plot



Spurious Emission 30MHz~1GHz Plot



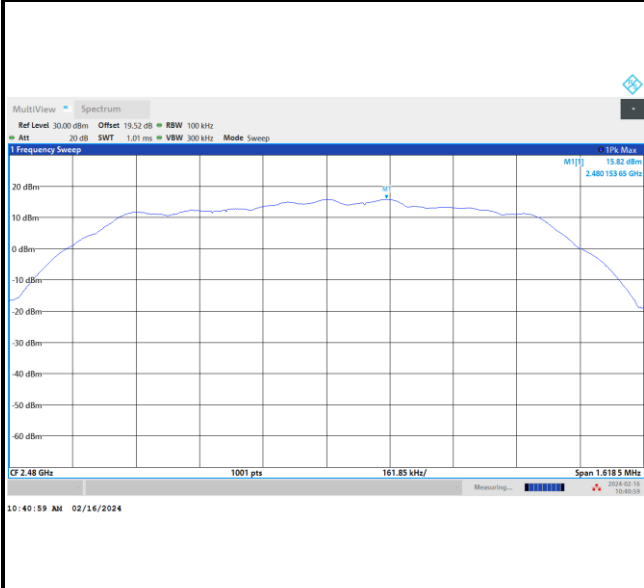
Spurious Emission 1GHz~26.5GHz Plot



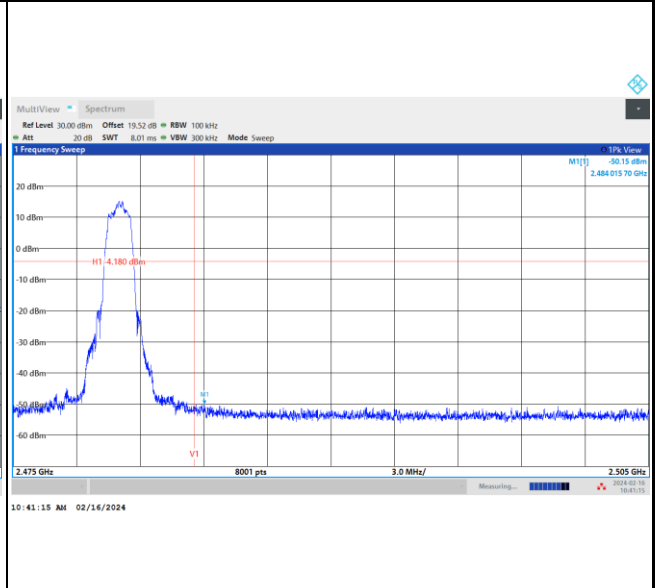


<2Mbps> Channel 78

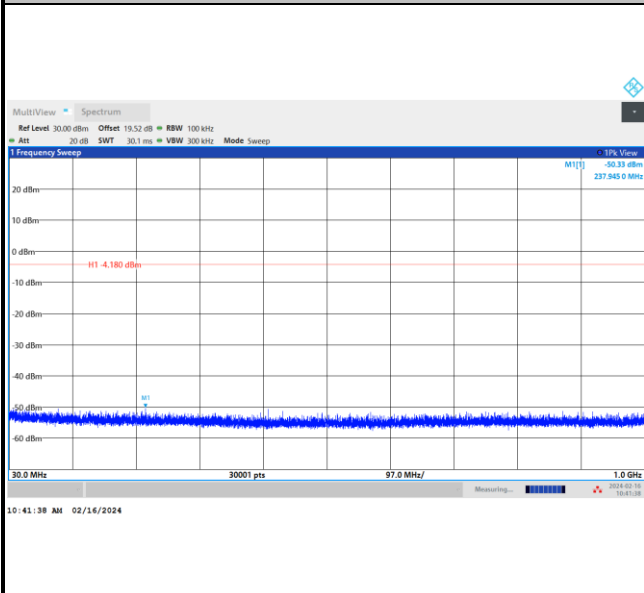
100kHz PSD reference Level Plot



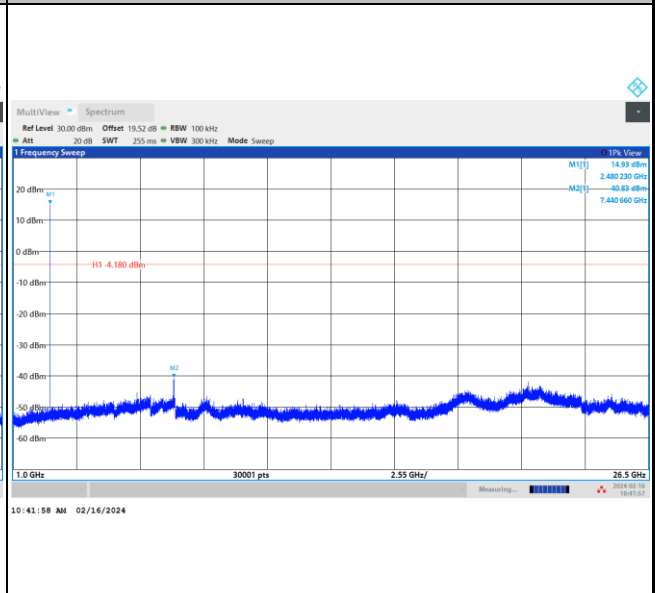
High Channel Plot



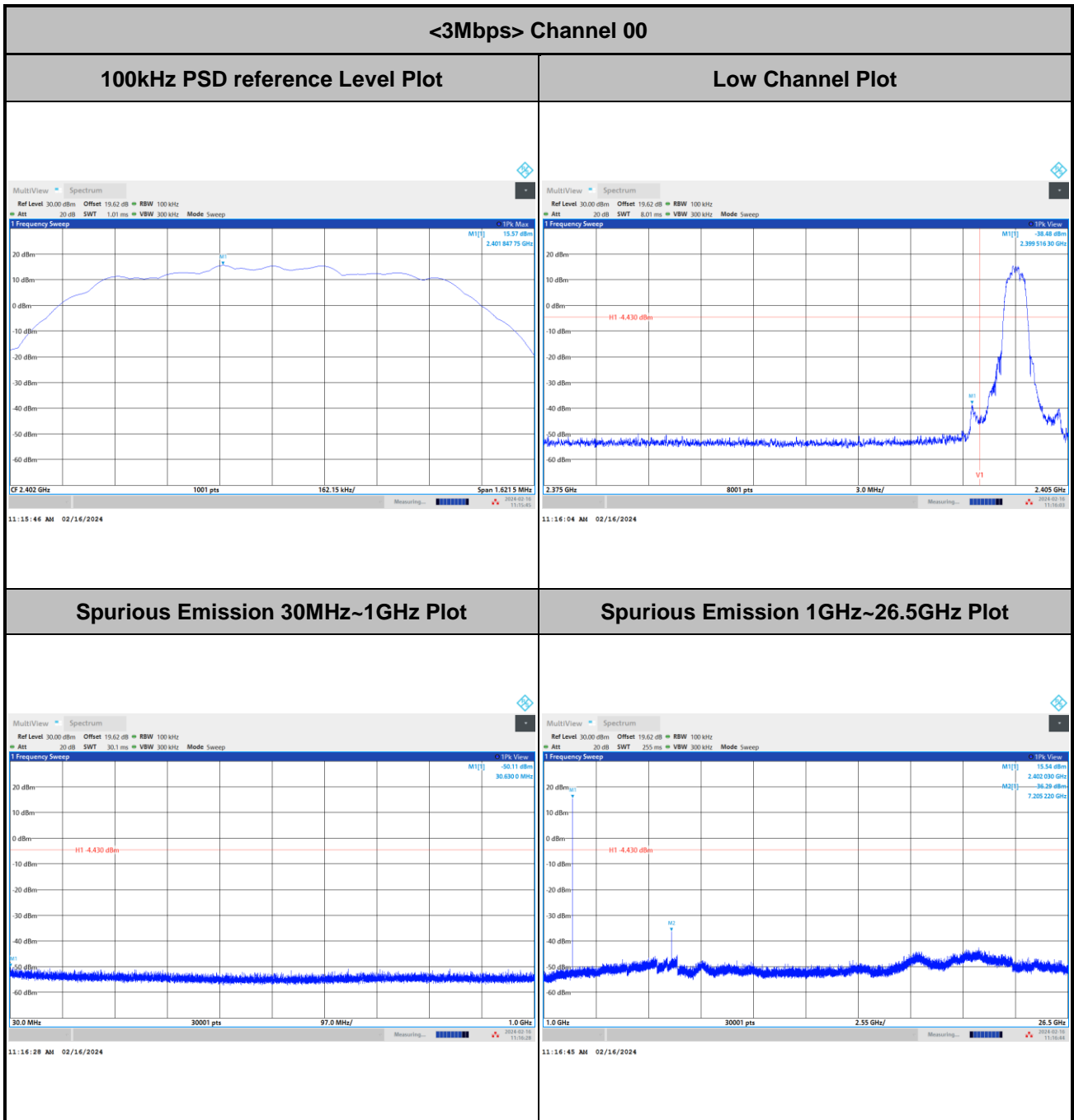
Spurious Emission 30MHz~1GHz Plot

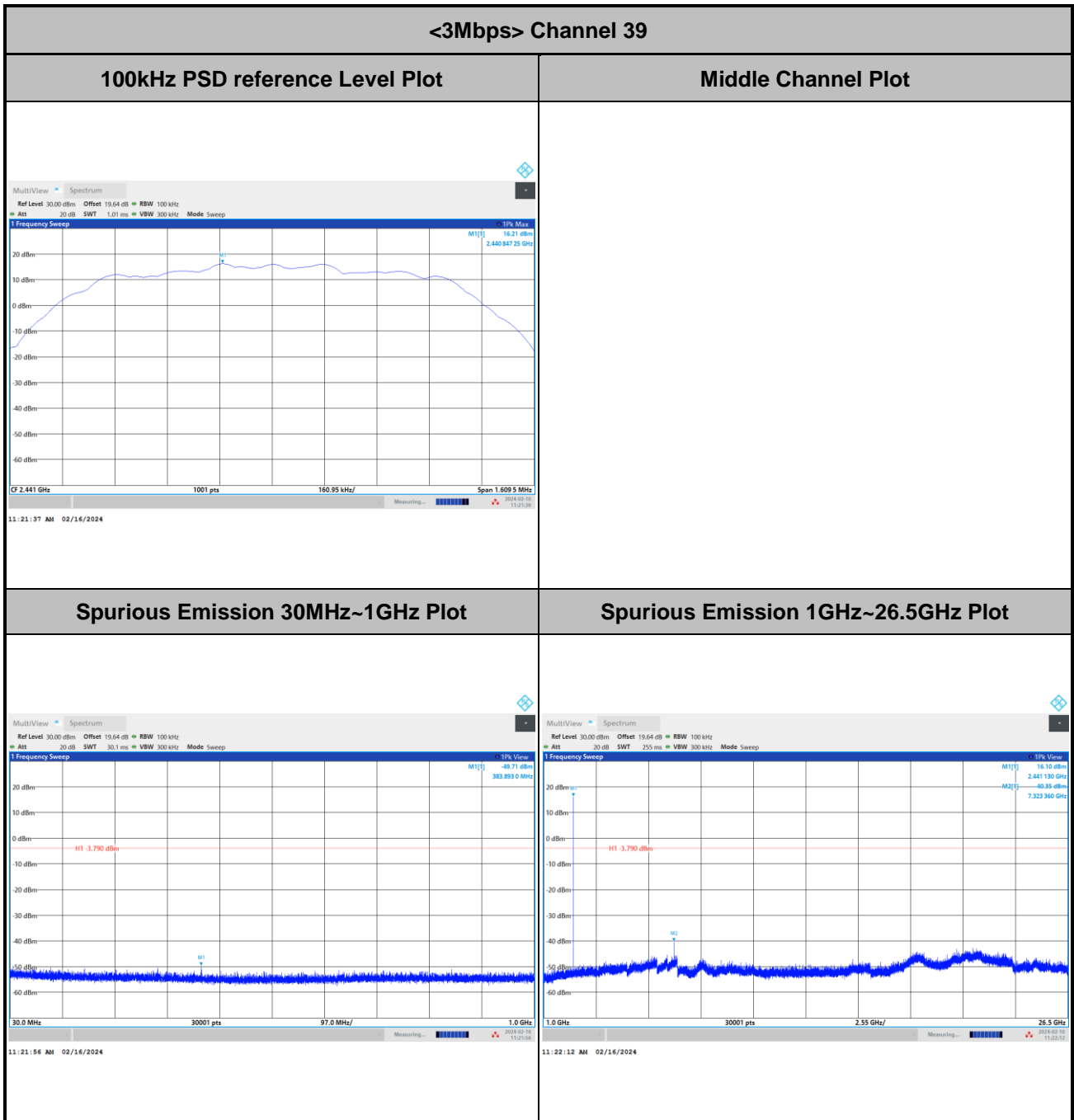


Spurious Emission 1GHz~26.5GHz Plot





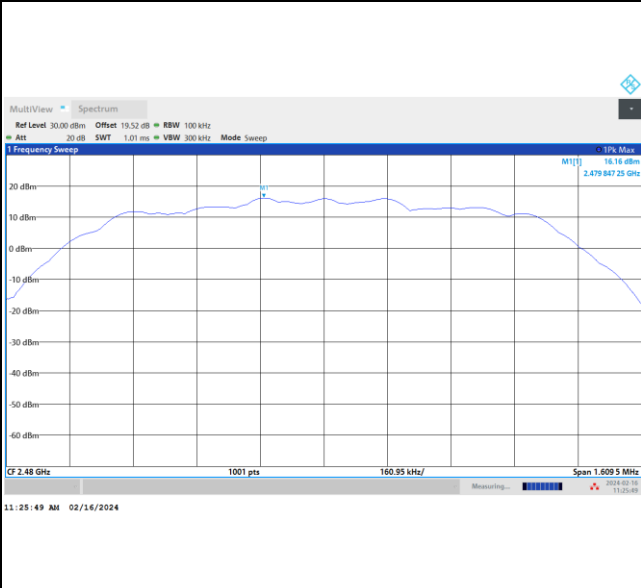




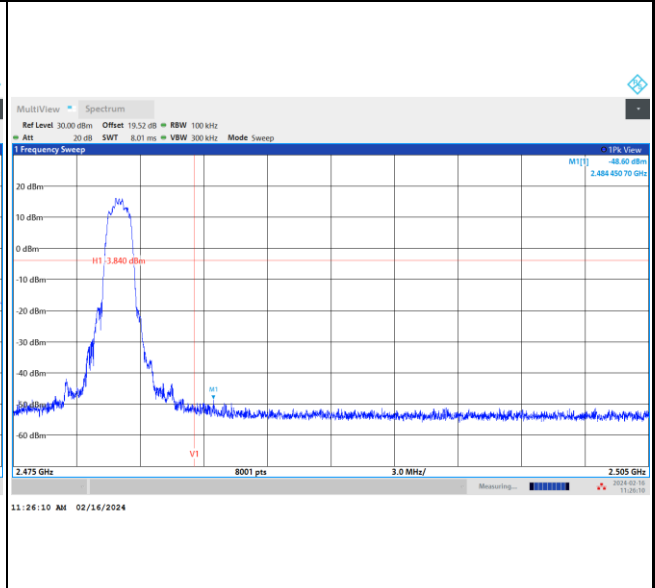


<3Mbps> Channel 78

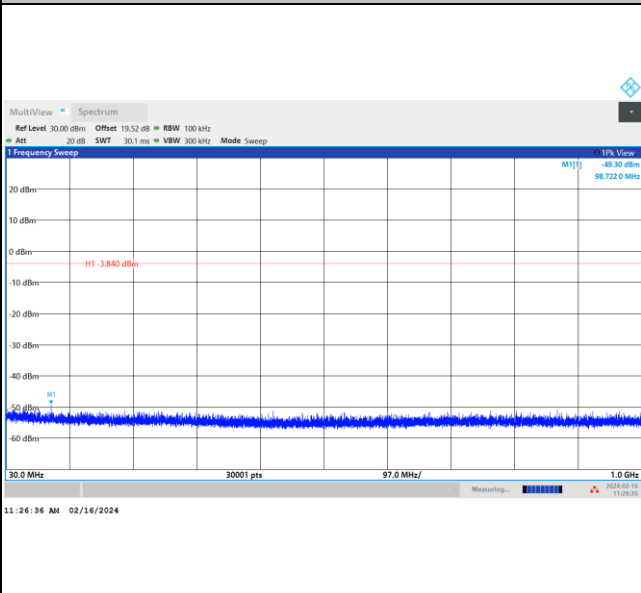
100kHz PSD reference Level Plot



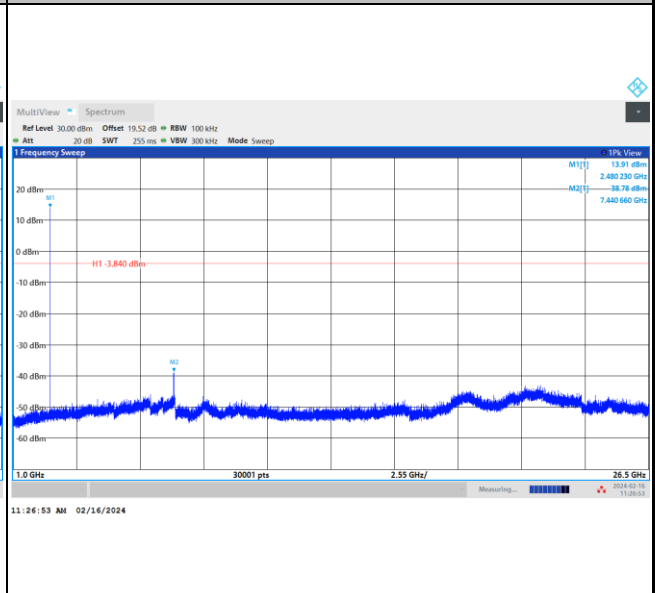
High Channel Plot



Spurious Emission 30MHz~1GHz Plot



Spurious Emission 1GHz~26.5GHz Plot





## Appendix B. AC Conducted Emission Test Results

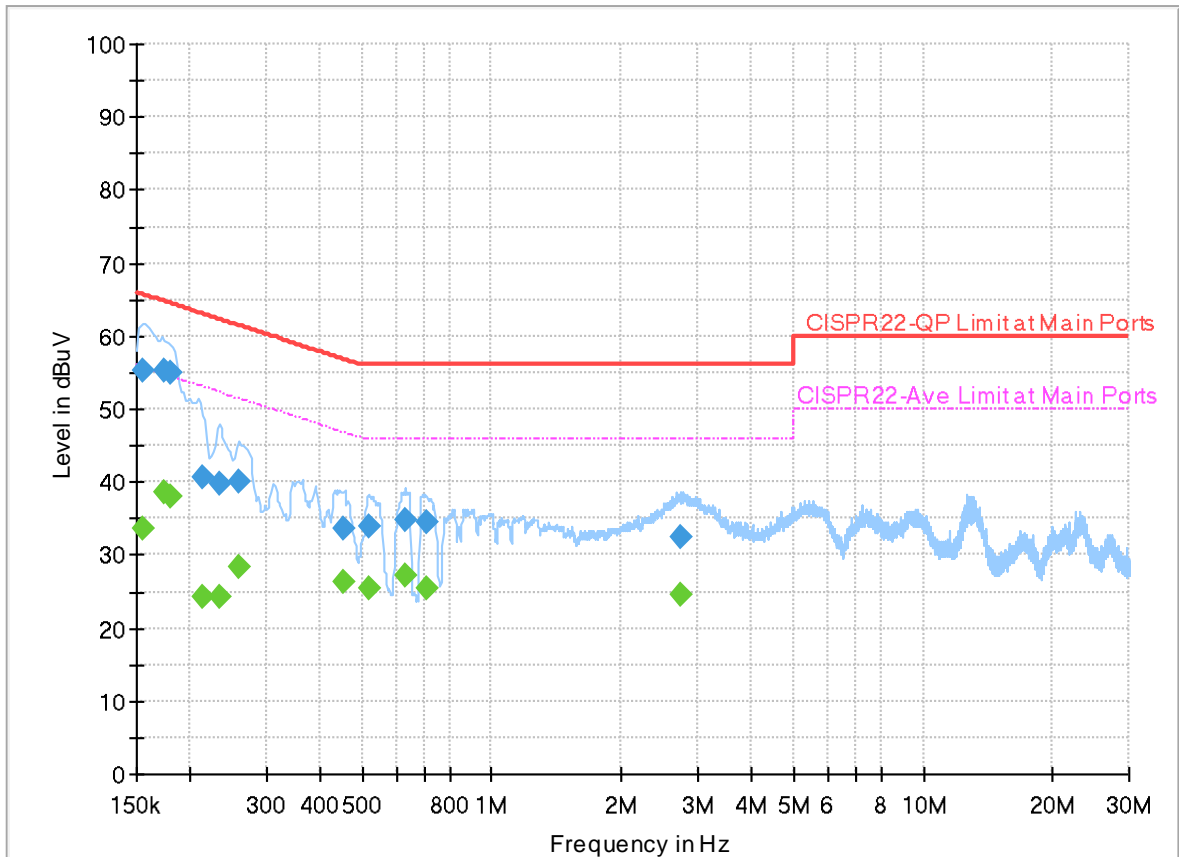
Test Engineer :	Louis Chung	Temperature :	19.2~23.3°C
		Relative Humidity :	49.5~53.6%

# EUT Information

Report NO : 3N2325

Test Voltage : 120Vac/60Hz  
Phase : Line

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.155760	---	33.53	55.69	22.16	L1	OFF	19.9
0.155760	55.14	---	65.69	10.55	L1	OFF	19.9
0.174750	---	38.69	54.73	16.04	L1	OFF	19.9
0.174750	55.14	---	64.73	9.59	L1	OFF	19.9
0.179250	---	38.06	54.52	16.46	L1	OFF	19.9
0.179250	55.04	---	64.52	9.48	L1	OFF	19.9
0.213000	---	24.12	53.09	28.97	L1	OFF	19.9
0.213000	40.51	---	63.09	22.58	L1	OFF	19.9
0.233160	---	24.15	52.34	28.19	L1	OFF	19.9
0.233160	39.65	---	62.34	22.69	L1	OFF	19.9
0.260250	---	28.39	51.42	23.03	L1	OFF	19.9
0.260250	40.10	---	61.42	21.32	L1	OFF	19.9
0.455460	---	26.35	46.78	20.43	L1	OFF	19.9
0.455460	33.62	---	56.78	23.16	L1	OFF	19.9
0.520170	---	25.33	46.00	20.67	L1	OFF	19.9
0.520170	34.00	---	56.00	22.00	L1	OFF	19.9
0.629250	---	27.12	46.00	18.88	L1	OFF	19.9
0.629250	34.77	---	56.00	21.23	L1	OFF	19.9
0.705750	---	25.44	46.00	20.56	L1	OFF	19.9

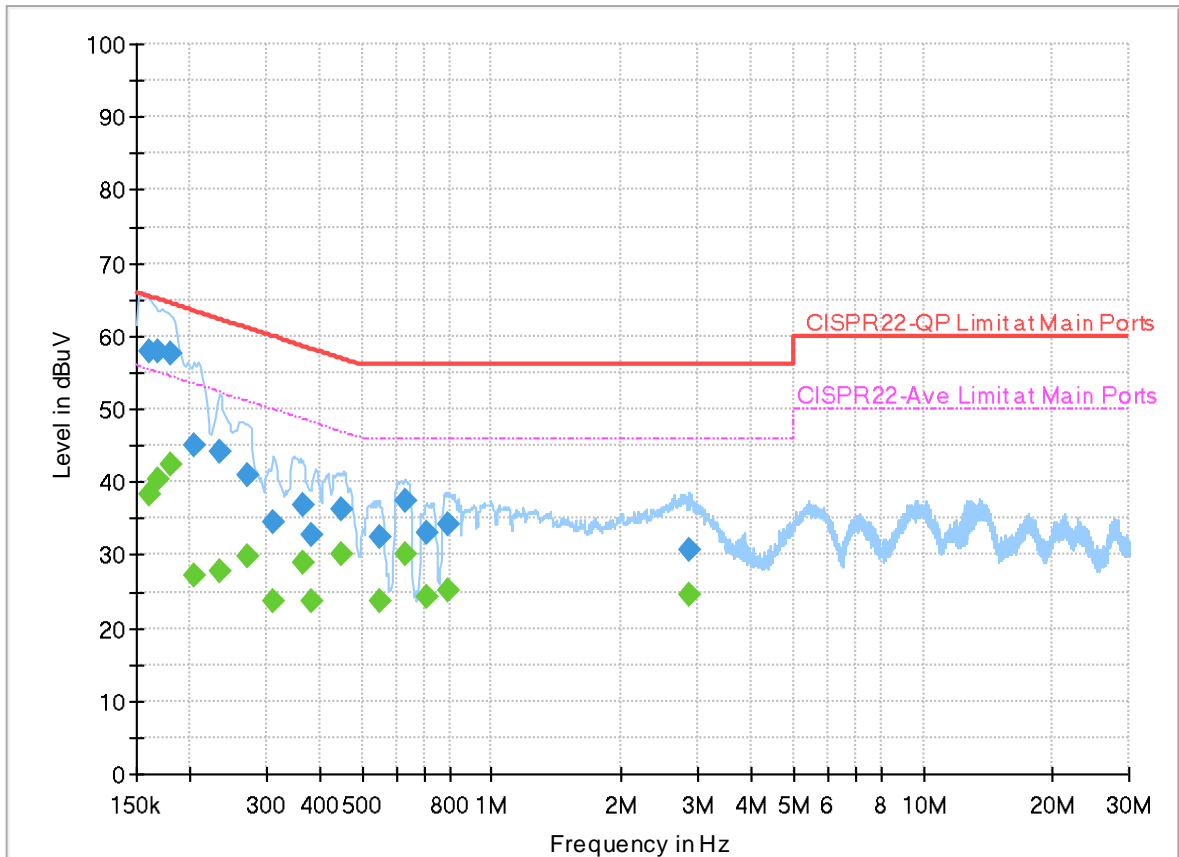
<b>0.705750</b>	<b>34.58</b>	<b>---</b>	<b>56.00</b>	<b>21.42</b>	<b>L1</b>	<b>OFF</b>	<b>19.9</b>
<b>2.737500</b>	<b>---</b>	<b>24.71</b>	<b>46.00</b>	<b>21.29</b>	<b>L1</b>	<b>OFF</b>	<b>20.0</b>
<b>2.737500</b>	<b>32.35</b>	<b>---</b>	<b>56.00</b>	<b>23.65</b>	<b>L1</b>	<b>OFF</b>	<b>20.0</b>

# EUT Information

Report NO : 3N2325

Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	38.41	55.40	16.99	N	OFF	19.9
0.161250	57.98	---	65.40	7.42	N	OFF	19.9
0.168000	---	40.46	55.06	14.60	N	OFF	19.9
0.168000	57.96	---	65.06	7.10	N	OFF	19.9
0.179880	---	42.44	54.49	12.05	N	OFF	19.9
0.179880	57.70	---	64.49	6.79	N	OFF	19.9
0.204270	---	27.24	53.44	26.20	N	OFF	19.9
0.204270	44.89	---	63.44	18.55	N	OFF	19.9
0.235230	---	27.69	52.26	24.57	N	OFF	19.9
0.235230	44.05	---	62.26	18.21	N	OFF	19.9
0.271590	---	29.76	51.07	21.31	N	OFF	19.9
0.271590	40.93	---	61.07	20.14	N	OFF	19.9
0.309750	---	23.71	49.98	26.27	N	OFF	19.9
0.309750	34.58	---	59.98	25.40	N	OFF	19.9
0.363300	---	29.07	48.65	19.58	N	OFF	19.9
0.363300	36.75	---	58.65	21.90	N	OFF	19.9
0.382920	---	23.74	48.22	24.48	N	OFF	19.9
0.382920	32.74	---	58.22	25.48	N	OFF	19.9
0.449250	---	30.22	46.89	16.67	N	OFF	19.9

0.449250	36.35	---	56.89	20.54	N	OFF	19.9
0.550680	---	23.79	46.00	22.21	N	OFF	19.9
0.550680	32.51	---	56.00	23.49	N	OFF	19.9
0.629430	---	30.13	46.00	15.87	N	OFF	19.9
0.629430	37.45	---	56.00	18.55	N	OFF	19.9
0.708450	---	24.30	46.00	21.70	N	OFF	19.9
0.708450	32.98	---	56.00	23.02	N	OFF	19.9
0.787470	---	25.07	46.00	20.93	N	OFF	19.9
0.787470	34.35	---	56.00	21.65	N	OFF	19.9
2.869620	---	24.52	46.00	21.48	N	OFF	20.0
2.869620	30.66	---	56.00	25.34	N	OFF	20.0





## Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Quentin Liu and Bigshow Wang	Temperature :	22.1~22.6°C
		Relative Humidity :	55~57%

<EDR\_DTS Ant. 3+4>

<2Mbps>

### 2.4GHz 2400~2483.5MHz

#### BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH 00 2402MHz		2359.245	49.92	-24.08	74	43.9	27.32	15.48	36.78	299	231	P	H	
		2387.91	39.2	-14.8	54	33.07	27.38	15.52	36.77	299	231	A	H	
	*	2402	99.95	-	--	93.77	27.41	15.54	36.77	299	231	P	H	
	*	2402	97.29	-	-	91.11	27.41	15.54	36.77	299	231	A	H	
													H	
			2382.345	50.81	-23.19	74	44.7	27.36	15.52	36.77	338	265	P	V
			2387.28	39.24	-14.76	54	33.12	27.37	15.52	36.77	338	265	A	V
	*		2402	102.9	-	--	96.72	27.41	15.54	36.77	338	265	P	V
	*		2402	100.31	-	-	94.13	27.41	15.54	36.77	338	265	A	V
														V
BT CH 39 2441MHz		2370.264	49.84	-24.16	74	43.78	27.34	15.5	36.78	100	44	P	H	
		2383.386	39.24	-14.76	54	33.12	27.37	15.52	36.77	100	44	A	H	
	*	2441	101.69	-	--	95.31	27.56	15.59	36.77	100	44	P	H	
	*	2441	98.98	-	-	92.6	27.56	15.59	36.77	100	44	A	H	
			2490.91	50.08	-23.92	74	43.45	27.76	15.64	36.77	100	44	P	H
			2491.9	39.77	-14.23	54	33.12	27.77	15.65	36.77	100	44	A	H
			2355.36	49.58	-24.42	74	43.57	27.31	15.48	36.78	330	265	P	V
			2388.732	39.32	-14.68	54	33.19	27.38	15.52	36.77	330	265	A	V
	*		2441	103.89	-	--	97.51	27.56	15.59	36.77	330	265	P	V
	*		2441	101.19	-	-	94.81	27.56	15.59	36.77	330	265	A	V
			2495.5	50.02	-23.98	74	43.36	27.78	15.65	36.77	330	265	P	V
			2499.55	39.91	-14.09	54	33.23	27.8	15.65	36.77	330	265	A	V



BT	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 )
BT CH 78 2480MHz	*	2480	99.38	-	--	92.8	27.72	15.63	36.77	354	145	P	H
	*	2480	96.78	-	-	90.2	27.72	15.63	36.77	354	145	A	H
		2497.57	51.24	-22.76	74	44.57	27.79	15.65	36.77	354	145	P	H
		2492.08	39.7	-14.3	54	33.05	27.77	15.65	36.77	354	145	A	H
													H
													H
	*	2480	102.01	-	--	95.43	27.72	15.63	36.77	400	292	P	V
	*	2480	99.46	-	-	92.88	27.72	15.63	36.77	400	292	A	V
		2484.46	50.87	-23.13	74	44.26	27.74	15.64	36.77	400	292	P	V
		2483.83	39.91	-14.09	54	33.3	27.74	15.64	36.77	400	292	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  
BT (Harmonic @ 3m)

BT	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 )
BT CH 00 2402MHz		4804	38.17	-35.83	74	55.32	32.12	8.49	57.76	-	-	P	H
													H
													H
													H
													H
													H
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													H
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													H
													H
													H
													H
													H
			4804	38.43	-35.57	74	55.58	32.12	8.49	57.76	-	-	P
													V
													V
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BT	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 )
BT CH 39 2441MHz		4882	39.32	-34.68	74	55.95	32.59	8.56	57.78	-	-	P	H
		7323	44.32	-29.68	74	55.97	36.66	10.35	58.66	-	-	P	H
													H
													H
													H
													H
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													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4882	39.13	-34.87	74	55.76	32.59	8.56	57.78	-	-	P
		7323	44.94	-29.06	74	56.59	36.66	10.35	58.66	-	-	P	V
													V
													V
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BT	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 )
BT CH 78 2480MHz		4960	39.63	-34.37	74	55.79	33	8.63	57.79	-	-	P	H
		7440	43.58	-30.42	74	55.74	36.12	10.47	58.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4960	39.13	-34.87	74	55.29	33	8.63	57.79	-	-	P
		7440	44.14	-29.86	74	56.3	36.12	10.47	58.75	-	-	P	V
													V
													V
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													V
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													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>												



<EDR\_DTS Ant. 3>

<2Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH 00 2402MHz		2386.86	49.12	-24.88	74	43	27.37	15.52	36.77	341	214	P	H	
		2389.905	39.41	-14.59	54	33.27	27.38	15.53	36.77	341	214	A	H	
	*	2402	109.33	-	--	103.15	27.41	15.54	36.77	341	214	P	H	
	*	2402	106.79	-	-	100.61	27.41	15.54	36.77	341	214	A	H	
													H	
													H	
			2364.915	49.5	-24.5	74	43.46	27.33	15.49	36.78	100	273	P	V
			2390	39.73	-14.27	54	33.59	27.38	15.53	36.77	100	273	A	V
	*		2402	111.86	-	--	105.68	27.41	15.54	36.77	100	273	P	V
	*		2402	109.23	-	-	103.05	27.41	15.54	36.77	100	273	A	V
													V	
													V	
BT CH 39 2441MHz		2361.678	50.43	-23.57	74	44.4	27.32	15.49	36.78	300	210	P	H	
		2388.894	39.42	-14.58	54	33.28	27.38	15.53	36.77	300	210	A	H	
	*	2441	111.51	-	--	105.13	27.56	15.59	36.77	300	210	P	H	
	*	2441	108.82	-	-	102.44	27.56	15.59	36.77	300	210	A	H	
			2492.98	50.29	-23.71	74	43.64	27.77	15.65	36.77	300	210	P	H
			2484.16	39.82	-14.18	54	33.21	27.74	15.64	36.77	300	210	A	H
			2350.5	49.98	-24.02	74	43.99	27.3	15.47	36.78	100	273	P	V
			2389.38	39.63	-14.37	54	33.49	27.38	15.53	36.77	100	273	A	V
	*		2441	113.11	-	--	106.73	27.56	15.59	36.77	100	273	P	V
	*		2441	110.21	-	-	103.83	27.56	15.59	36.77	100	273	A	V
			2493.43	49.78	-24.22	74	43.13	27.77	15.65	36.77	100	273	P	V
			2486.23	40.19	-13.81	54	33.58	27.74	15.64	36.77	100	273	A	V



BT	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 )	
BT CH 78 2480MHz	*	2480	109.52	-	--	102.94	27.72	15.63	36.77	363	315	P	H	
	*	2480	106.9	-	-	100.32	27.72	15.63	36.77	363	315	A	H	
		2486.08	56.18	-17.82	74	49.57	27.74	15.64	36.77	363	315	P	H	
		2483.53	41.81	-12.19	54	35.21	27.73	15.64	36.77	363	315	A	H	
													H	
														H
	*	2480	111.88	-	--	105.3	27.72	15.63	36.77	100	273	P	V	
	*	2480	109.32	-	-	102.74	27.72	15.63	36.77	100	273	A	V	
		2485.9	57.74	-16.26	74	51.13	27.74	15.64	36.77	100	273	P	V	
		2483.5	42.93	-11.07	54	36.33	27.73	15.64	36.77	100	273	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  
BT (Harmonic @ 3m)

BT	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 )
BT CH 00 2402MHz		4804	39.81	-34.19	74	56.96	32.12	8.49	57.76	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4804	39.81	-34.19	74	56.96	32.12	8.49	57.76	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V





BT	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 )
BT CH 39 2441MHz		4882	40.44	-33.56	74	57.07	32.59	8.56	57.78	-	-	P	H
		7323	44.18	-29.82	74	55.83	36.66	10.35	58.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4882	39.31	-34.69	74	55.94	32.59	8.56	57.78	-	-	P
		7323	44.42	-29.58	74	56.07	36.66	10.35	58.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



BT	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 )
BT CH 78 2480MHz		4960	39.38	-34.62	74	55.54	33	8.63	57.79	-	-	P	H
		7440	43.97	-30.03	74	56.13	36.12	10.47	58.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4960	39.73	-34.27	74	55.89	33	8.63	57.79	-	-	P
		7440	43.29	-30.71	74	55.45	36.12	10.47	58.75	-	-	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>												



<EDR\_DTS Ant. 4>

<2Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH 00 2402MHz		2310.315	49.08	-24.92	74	43.22	27.22	15.42	36.78	100	287	P	H	
		2388.855	39.46	-14.54	54	33.33	27.38	15.52	36.77	100	287	A	H	
	*	2402	110.25	-	--	104.07	27.41	15.54	36.77	100	287	P	H	
	*	2402	107.45	-	-	101.27	27.41	15.54	36.77	100	287	A	H	
													H	
														H
			2377.725	51.03	-22.97	74	44.93	27.36	15.51	36.77	379	287	P	V
			2389.59	39.37	-14.63	54	33.23	27.38	15.53	36.77	379	287	A	V
	*		2402	109.49	-	--	103.31	27.41	15.54	36.77	379	287	P	V
	*		2402	106.87	-	-	100.69	27.41	15.54	36.77	379	287	A	V
														V
														V
BT CH 39 2441MHz		2354.712	49.55	-24.45	74	43.54	27.31	15.48	36.78	100	287	P	H	
		2368.482	39.38	-14.62	54	33.32	27.34	15.5	36.78	100	287	A	H	
	*	2441	111.14	-	--	104.76	27.56	15.59	36.77	100	287	P	H	
	*	2441	108.28	-	-	101.9	27.56	15.59	36.77	100	287	A	H	
			2490.73	50.35	-23.65	74	43.72	27.76	15.64	36.77	100	287	P	H
			2485.15	40.05	-13.95	54	33.44	27.74	15.64	36.77	100	287	A	H
			2386.14	49.76	-24.24	74	43.64	27.37	15.52	36.77	364	246	P	V
			2388.732	39.41	-14.59	54	33.28	27.38	15.52	36.77	364	246	A	V
	*		2441	111.39	-	--	105.01	27.56	15.59	36.77	364	246	P	V
	*		2441	108.58	-	-	102.2	27.56	15.59	36.77	364	246	A	V
			2492.35	49.95	-24.05	74	43.3	27.77	15.65	36.77	364	246	P	V
			2484.97	39.96	-14.04	54	33.35	27.74	15.64	36.77	364	246	A	V



BT	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 )
BT CH 78 2480MHz	*	2480	109.87	-	--	103.29	27.72	15.63	36.77	100	282	P	H
	*	2480	107.12	-	-	100.54	27.72	15.63	36.77	100	282	A	H
		2486.17	56.62	-17.38	74	50.01	27.74	15.64	36.77	100	282	P	H
		2483.56	42.26	-11.74	54	35.66	27.73	15.64	36.77	100	282	A	H
													H
													H
	*	2480	108.33	-	--	101.75	27.72	15.63	36.77	399	249	P	V
	*	2480	105.68	-	-	99.1	27.72	15.63	36.77	399	249	A	V
		2486.2	55.75	-18.25	74	49.14	27.74	15.64	36.77	399	249	P	V
		2483.5	41.68	-12.32	54	35.08	27.73	15.64	36.77	399	249	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  
BT (Harmonic @ 3m)

BT	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 )
BT CH 00 2402MHz		4804	38.67	-35.33	74	55.82	32.12	8.49	57.76	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4804	38.28	-35.72	74	55.43	32.12	8.49	57.76	-	-	P
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



BT	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 )
BT CH 39 2441MHz		4882	40.09	-33.91	74	56.72	32.59	8.56	57.78	-	-	P	H
		7323	44.81	-29.19	74	56.46	36.66	10.35	58.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4882	38.83	-35.17	74	55.46	32.59	8.56	57.78	-	-	P
		7323	45.33	-28.67	74	56.98	36.66	10.35	58.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V



BT	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 )
BT CH 78 2480MHz		4960	39.91	-34.09	74	56.07	33	8.63	57.79	-	-	P	H
		7440	44.07	-29.93	74	56.23	36.12	10.47	58.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4960	39.15	-34.85	74	55.31	33	8.63	57.79	-	-	P
		7440	43.68	-30.32	74	55.84	36.12	10.47	58.75	-	-	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>												



<EDR\_DTS Ant. 3+4>

<3Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH 00 2402MHz		2366.7	49.37	-24.63	74	43.32	27.33	15.5	36.78	100	18	P	H	
		2388.015	39.15	-14.85	54	33.02	27.38	15.52	36.77	100	18	A	H	
	*	2402	103.65	-	-	97.47	27.41	15.54	36.77	100	18	P	H	
	*	2402	100.96	-	-	94.78	27.41	15.54	36.77	100	18	A	H	
													H	
													H	
			2388.225	49.6	-24.4	74	43.47	27.38	15.52	36.77	360	290	P	V
			2387.7	39.18	-14.82	54	33.05	27.38	15.52	36.77	360	290	A	V
	*		2402	101.18	-	-	95	27.41	15.54	36.77	360	290	P	V
	*		2402	98.4	-	-	92.22	27.41	15.54	36.77	360	290	A	V
													V	
													V	
BT CH 39 2441MHz		2378.364	49.36	-24.64	74	43.26	27.36	15.51	36.77	100	17	P	H	
		2379.336	39.15	-14.85	54	33.05	27.36	15.51	36.77	100	17	A	H	
	*	2441	102.15	-	-	95.77	27.56	15.59	36.77	100	17	P	H	
	*	2441	99.12	-	-	92.74	27.56	15.59	36.77	100	17	A	H	
			2499.37	50.26	-23.74	74	43.58	27.8	15.65	36.77	100	17	P	H
			2490.82	39.7	-14.3	54	33.07	27.76	15.64	36.77	100	17	A	H
			2382.09	49.55	-24.45	74	43.44	27.36	15.52	36.77	400	286	P	V
			2386.464	39.15	-14.85	54	33.03	27.37	15.52	36.77	400	286	A	V
	*		2440	99.97	-	-	93.59	27.56	15.59	36.77	400	286	P	V
	*		2440	97.26	-	-	90.88	27.56	15.59	36.77	400	286	A	V
			2491.99	49.78	-24.22	74	43.13	27.77	15.65	36.77	400	286	P	V
			2497.84	39.74	-14.26	54	33.07	27.79	15.65	36.77	400	286	A	V





BT	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)
BT CH 78 2480MHz	*	2480	102.21	-	-	95.63	27.72	15.63	36.77	284	215	P	H
	*	2480	99.38	-	-	92.8	27.72	15.63	36.77	284	215	A	H
		2486.35	50.75	-23.25	74	44.13	27.75	15.64	36.77	284	215	P	H
		2483.59	39.78	-14.22	54	33.18	27.73	15.64	36.77	284	215	A	H
													H
													H
	*	2480	85.88	-	-	79.3	27.72	15.63	36.77	180	0	P	V
	*	2480	82.81	-	-	76.23	27.72	15.63	36.77	180	0	A	V
		2498.5	50.41	-23.59	74	43.74	27.79	15.65	36.77	180	0	P	V
		2488.39	39.68	-14.32	54	33.06	27.75	15.64	36.77	180	0	A	V
													V
													V

<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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2.4GHz 2400~2483.5MHz  
BT (Harmonic @ 3m)

BT	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 )
BT CH 00 2402MHz		4804	38.49	-35.51	74	55.64	32.12	8.49	57.76	-	-	P	H
													H
													H
													H
													H
													H
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													H
													H
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													H
													H
													H
													H
			4804	38.58	-35.42	74	55.73	32.12	8.49	57.76	-	-	P
													V
													V
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													V
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													V
													V
													V
													V
													V
													V



BT	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 )
BT CH 39 2441MHz		4882	39.59	-34.41	74	56.22	32.59	8.56	57.78	-	-	P	H
		7323	44.24	-29.76	74	55.89	36.66	10.35	58.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	39.23	-34.77	74	55.86	32.59	8.56	57.78	-	-	P	V
		7323	44.48	-29.52	74	56.13	36.66	10.35	58.66	-	-	P	V
													V
													V
													V
													V
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BT	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 )	
BT CH 78 2480MHz		4960	40.1	-33.9	74	56.26	33	8.63	57.79	-	-	P	H	
		7440	43.8	-30.2	74	55.96	36.12	10.47	58.75	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			4960	39.51	-34.49	74	55.67	33	8.63	57.79	-	-	P	V
			7440	44.46	-29.54	74	56.62	36.12	10.47	58.75	-	-	P	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>													



<EDR\_DTS Ant. 3>

<3Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH 00 2402MHz		2343.6	49.18	-24.82	74	43.21	27.29	15.46	36.78	296	215	P	H	
		2389.59	39.42	-14.58	54	33.28	27.38	15.53	36.77	296	215	A	H	
	*	2402	109.83	-	-	103.65	27.41	15.54	36.77	296	215	P	H	
	*	2402	106.7	-	-	100.52	27.41	15.54	36.77	296	215	A	H	
													H	
														H
			2325.435	49.71	-24.29	74	43.8	27.25	15.44	36.78	100	269	P	V
			2389.905	39.63	-14.37	54	33.49	27.38	15.53	36.77	100	269	A	V
	*		2402	111.43	-	-	105.25	27.41	15.54	36.77	100	269	P	V
	*		2402	108.89	-	-	102.71	27.41	15.54	36.77	100	269	A	V
														V
														V
BT CH 39 2441MHz		2366.376	50.07	-23.93	74	44.03	27.33	15.49	36.78	299	209	P	H	
		2388.57	39.41	-14.59	54	33.28	27.38	15.52	36.77	299	209	A	H	
	*	2441	112.52	-	-	106.14	27.56	15.59	36.77	299	209	P	H	
	*	2441	109.35	-	-	102.97	27.56	15.59	36.77	299	209	A	H	
			2497.93	50.06	-23.94	74	43.39	27.79	15.65	36.77	299	209	P	H
			2487.22	39.93	-14.07	54	33.31	27.75	15.64	36.77	299	209	A	H
			2337.054	49.75	-24.25	74	43.8	27.27	15.46	36.78	100	270	P	V
			2389.866	39.49	-14.51	54	33.35	27.38	15.53	36.77	100	270	A	V
	*		2441	113.11	-	--	106.73	27.56	15.59	36.77	100	270	P	V
	*		2441	110.08	-	-	103.7	27.56	15.59	36.77	100	270	A	V
			2487.04	50.16	-23.84	74	43.54	27.75	15.64	36.77	100	270	P	V
			2485.96	40.15	-13.85	54	33.54	27.74	15.64	36.77	100	270	A	V



BT	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 )
BT CH 78 2480MHz	*	2480	108.74	-	--	102.16	27.72	15.63	36.77	299	210	P	H
	*	2480	105.58	-	-	99	27.72	15.63	36.77	299	210	A	H
		2485.93	54.97	-19.03	74	48.36	27.74	15.64	36.77	299	210	P	H
		2483.5	41.59	-12.41	54	34.99	27.73	15.64	36.77	299	210	A	H
													H
													H
	*	2480	111.27	-	--	104.69	27.72	15.63	36.77	100	276	P	V
	*	2480	108.15	-	-	101.57	27.72	15.63	36.77	100	276	A	V
		2485.96	56.76	-17.24	74	50.15	27.74	15.64	36.77	100	276	P	V
		2483.5	42.73	-11.27	54	36.13	27.73	15.64	36.77	100	276	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  
BT (Harmonic @ 3m)

BT	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 )
BT CH 00 2402MHz		4804	38.85	-35.15	74	56	32.12	8.49	57.76	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4804	38.93	-35.07	74	56.08	32.12	8.49	57.76	-	-	P
													V
													V
													V
													V
													V
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													V



BT	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 )
BT CH 39 2441MHz		4882	39.26	-34.74	74	55.89	32.59	8.56	57.78	-	-	P	H
		7323	44.69	-29.31	74	56.34	36.66	10.35	58.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4882	39.95	-34.05	74	56.58	32.59	8.56	57.78	-	-	P
		7323	44.21	-29.79	74	55.86	36.66	10.35	58.66	-	-	P	V
													V
													V
													V
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BT	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 )
BT CH 78 2480MHz		4960	40.05	-33.95	74	56.21	33	8.63	57.79	-	-	P	H
		7440	44.16	-29.84	74	56.32	36.12	10.47	58.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4960	40.14	-33.86	74	56.3	33	8.63	57.79	-	-	P
		7440	44.21	-29.79	74	56.37	36.12	10.47	58.75	-	-	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>												



<EDR\_DTS Ant. 4>

<3Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
BT CH 00 2402MHz		2362.395	49.53	-24.47	74	43.5	27.32	15.49	36.78	320	214	P	H	
		2389.38	39.5	-14.5	54	33.36	27.38	15.53	36.77	320	214	A	H	
	*	2402	111.14	-	-	104.96	27.41	15.54	36.77	320	214	P	H	
	*	2402	107.93	-	-	101.75	27.41	15.54	36.77	320	214	A	H	
													H	
													H	
			2355.78	49.68	-24.32	74	43.67	27.31	15.48	36.78	205	270	P	V
			2389.905	39.68	-14.32	54	33.54	27.38	15.53	36.77	205	270	A	V
	*		2402	112.91	-	-	106.73	27.41	15.54	36.77	205	270	P	V
	*		2402	109.61	-	-	103.43	27.41	15.54	36.77	205	270	A	V
													V	
													V	
BT CH 39 2441MHz		2370.102	50.11	-23.89	74	44.05	27.34	15.5	36.78	331	219	P	H	
		2386.14	39.35	-14.65	54	33.23	27.37	15.52	36.77	331	219	A	H	
	*	2441	111.63	-	-	105.25	27.56	15.59	36.77	331	219	P	H	
	*	2441	108.35	-	-	101.97	27.56	15.59	36.77	331	219	A	H	
			2494.33	50.49	-23.51	74	43.83	27.78	15.65	36.77	331	219	P	H
			2484.34	40.08	-13.92	54	33.47	27.74	15.64	36.77	331	219	A	H
			2327.01	49.59	-24.41	74	43.68	27.25	15.44	36.78	223	271	P	V
			2390	39.47	-14.53	54	33.33	27.38	15.53	36.77	223	271	A	V
	*		2441	113.09	-	-	106.71	27.56	15.59	36.77	223	271	P	V
	*		2441	109.7	-	-	103.32	27.56	15.59	36.77	223	271	A	V
			2484.52	50.2	-23.8	74	43.59	27.74	15.64	36.77	223	271	P	V
			2485.69	40.15	-13.85	54	33.54	27.74	15.64	36.77	223	271	A	V



BT	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 )
BT CH 78 2480MHz	*	2480	108.24	-	--	101.66	27.72	15.63	36.77	302	220	P	H
	*	2480	105.32	-	-	98.74	27.72	15.63	36.77	302	220	A	H
		2486.32	54.49	-19.51	74	47.87	27.75	15.64	36.77	302	220	P	H
		2483.5	41.61	-12.39	54	35.01	27.73	15.64	36.77	302	220	A	H
													H
													H
	*	2480	109.62	-	--	103.04	27.72	15.63	36.77	233	271	P	V
	*	2480	106.59	-	-	100.01	27.72	15.63	36.77	233	271	A	V
		2483.68	55.26	-18.74	74	48.66	27.73	15.64	36.77	233	271	P	V
		2483.5	42.02	-11.98	54	35.42	27.73	15.64	36.77	233	271	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  
BT (Harmonic @ 3m)

BT	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 )
BT CH 00 2402MHz		4804	38.33	-35.67	74	55.48	32.12	8.49	57.76	-	-	P	H
													H
													H
													H
													H
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													H
													H
													H
													H
													H
													H
													H
													H
													H
			4804	38.94	-35.06	74	56.09	32.12	8.49	57.76	-	-	P
													V
													V
													V
													V
													V
													V
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													V
													V
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													V
													V
													V
													V



BT	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 )
BT CH 39 2441MHz		4882	39.89	-34.11	74	56.52	32.59	8.56	57.78	-	-	P	H
		7323	44.77	-29.23	74	56.42	36.66	10.35	58.66	-	-	P	H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4882	39.84	-34.16	74	56.47	32.59	8.56	57.78	-	-	P
		7323	44.1	-29.9	74	55.75	36.66	10.35	58.66	-	-	P	V
													V
													V
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BT	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 )
BT CH 78 2480MHz		4960	40.6	-33.4	74	56.76	33	8.63	57.79	-	-	P	H
		7440	44.18	-29.82	74	56.34	36.12	10.47	58.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			4960	39.43	-34.57	74	55.59	33	8.63	57.79	-	-	P
		7440	43.58	-30.42	74	55.74	36.12	10.47	58.75	-	-	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>												



**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>over limit</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:

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
BT CH 00 2402MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H

1. Path Loss(dB) = CaBT 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)

Peak measured complies with the limit line, so test result is "PASS".





## Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Daniel Lee, Quentin Liu and Bigshow Wang	Temperature :	22.1~22.6°C
		Relative Humidity :	55~57%

### Note symbol

-L	Low channel location
-R	High channel location



<EDR\_DTS Ant. 3+4>

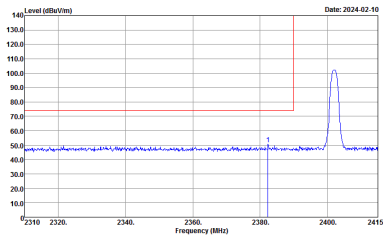
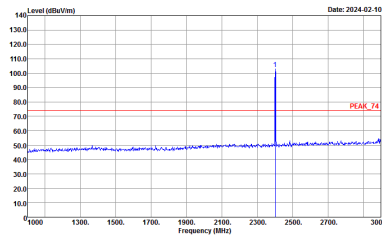
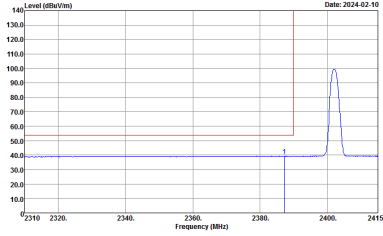
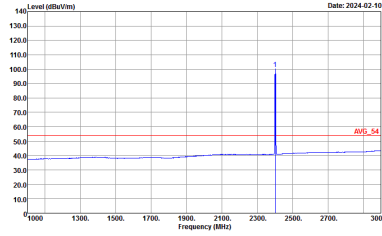
<2Mbps>

2.4GHz 2400~2483.5MHz

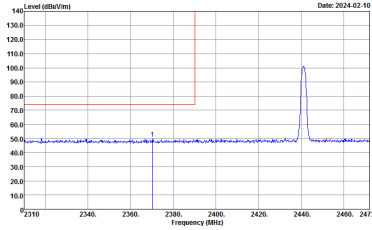
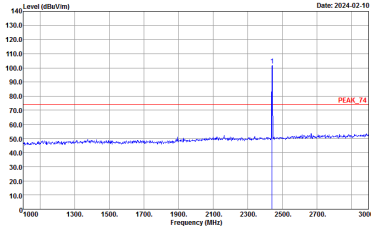
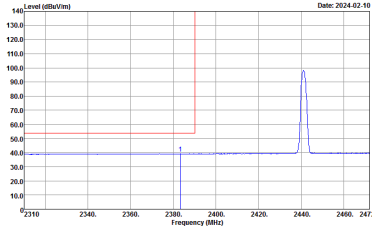
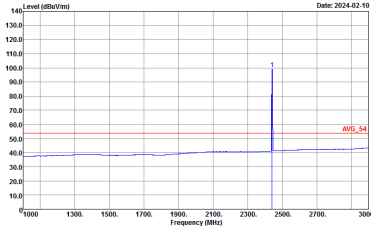
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	<p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>	<p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>

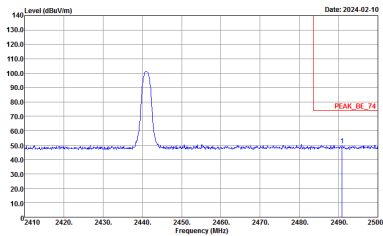
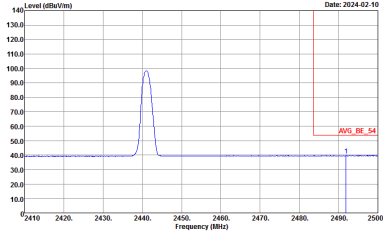


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is drawn at approximately 75 dBuV/m. The peak is labeled with a blue vertical line and a blue '1'.</p> <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2402 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is drawn at approximately 75 dBuV/m. The peak is labeled with a blue vertical line and a blue '1'. A red label 'PEAK_74' is present.</p> <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is drawn at approximately 55 dBuV/m. The average level is labeled with a blue vertical line and a blue '1'.</p> <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : AV6_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average level at 2402 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is drawn at approximately 55 dBuV/m. The average level is labeled with a blue vertical line and a blue '1'. A red label 'AVG_54' is present.</p> <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>

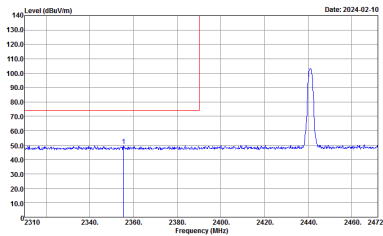
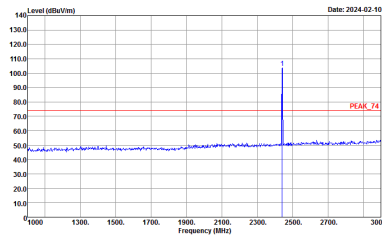
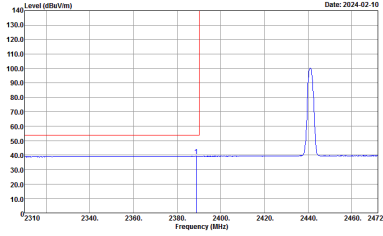
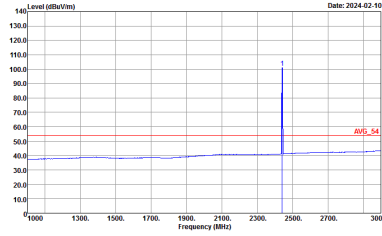


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz - L		
Horizontal		Fundamental
Peak	 <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.360kHz SWT:Auto</p>	 <p>Date: 2024-02-10</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.360kHz SWT:Auto</p>

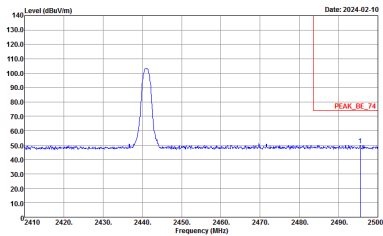
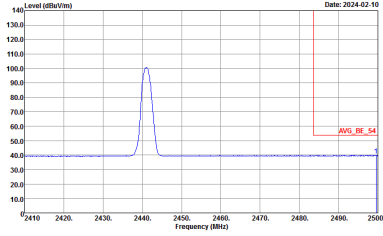


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz - R	
	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000kHz VBW:0.360kHz SWT:Auto</p>	Left blank

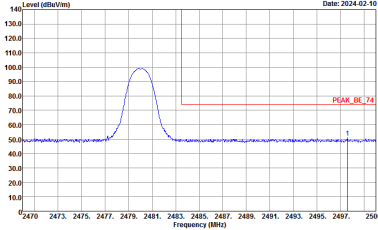
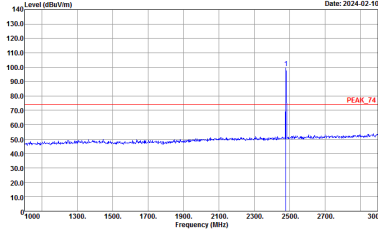
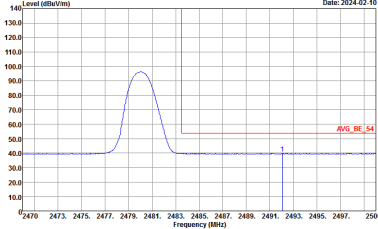
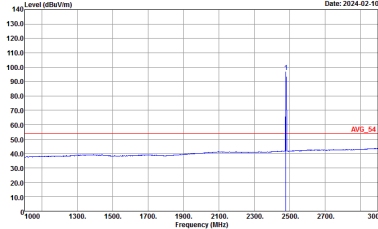


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH39 2441MHz - L		
Vertical		Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2441 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 2310 to 2472 MHz. A red vertical line marks the peak at 2441 MHz.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2441 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line labeled 'PEAK_74' is at approximately 75 dBuV/m.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum with a peak at 2441 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 2310 to 2472 MHz. A red vertical line marks the peak at 2441 MHz.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average spectrum with a peak at 2441 MHz. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line labeled 'AVG_54' is at approximately 55 dBuV/m.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>



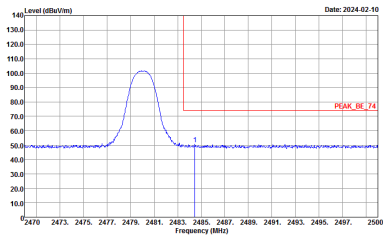
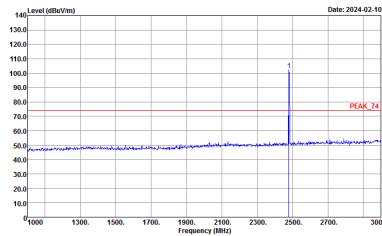
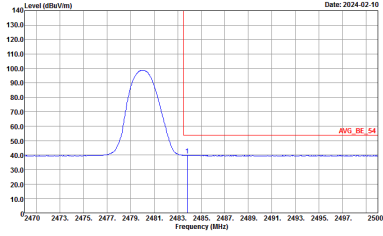
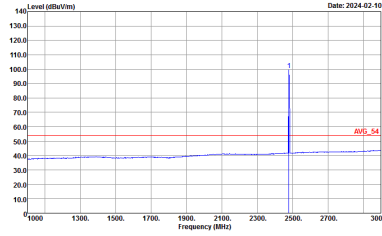
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH39 2441MHz - R	
	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000kHz VBW:0.360kHz SWT:Auto</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH78 2480MHz	
	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at approximately 2480 MHz. The peak level is indicated by a red line labeled 'PEAK_BE_74'.</p> <p>Site : 03CH15-HY  Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL  : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is indicated by a red line labeled 'PEAK_74'.</p> <p>Site : 03CH15-HY  Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL  : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum with a peak at approximately 2480 MHz. The average level is indicated by a red line labeled 'AVG_BE_54'.</p> <p>Site : 03CH15-HY  Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL  : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum with a sharp peak at 2480 MHz. The average level is indicated by a red line labeled 'AVG_54'.</p> <p>Site : 03CH15-HY  Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL  : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>





BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH78 2480MHz		
Vertical		Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2480 MHz. The peak level is approximately 105 dBuV/m. A red horizontal line indicates the peak level, labeled 'PEAK_BE_74'.</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at 2480 MHz. The peak level is approximately 105 dBuV/m. A red horizontal line indicates the peak level, labeled 'PEAK_74'.</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average level of the signal. The average level is approximately 55 dBuV/m. A red horizontal line indicates the average level, labeled 'AVG_BE_54'.</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average level of the signal. The average level is approximately 55 dBuV/m. A red horizontal line indicates the average level, labeled 'AVG_54'.</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 VERTICAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>

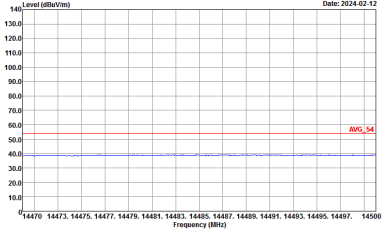
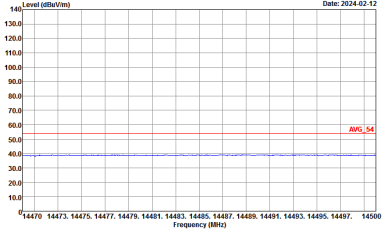
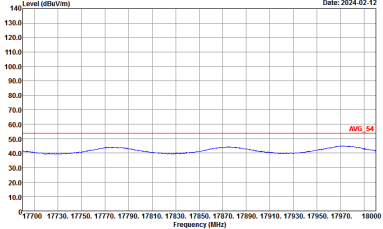
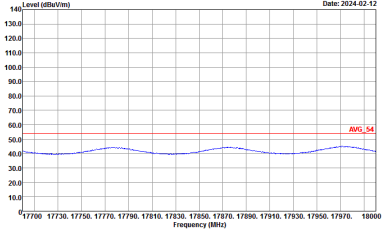


2.4GHz 2400~2483.5MHz

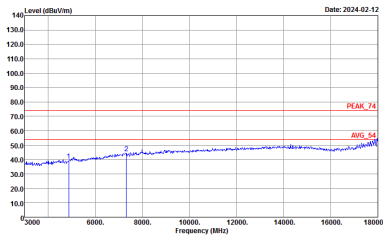
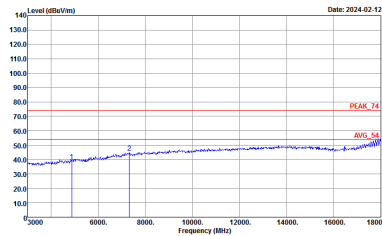
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 VERTICAL</p>

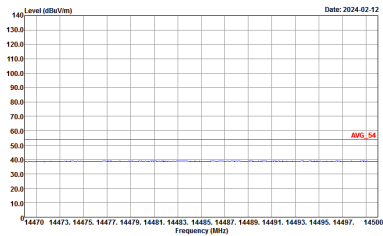
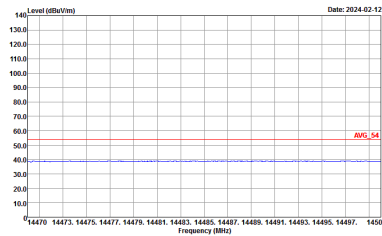
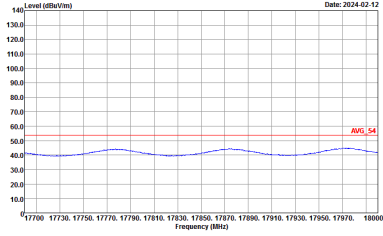
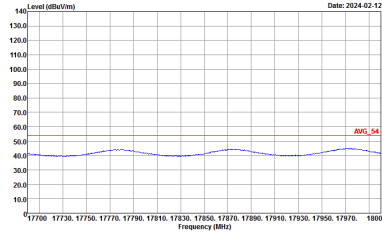


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH00 2402MHz	
	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 VERTICAL</p>

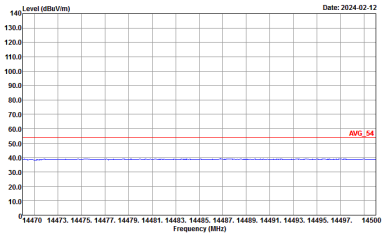
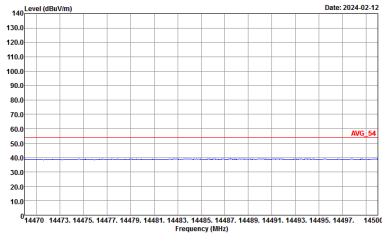
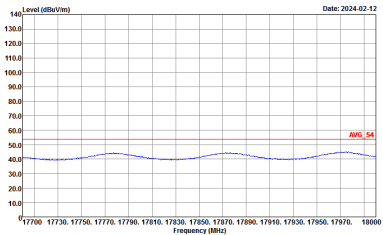
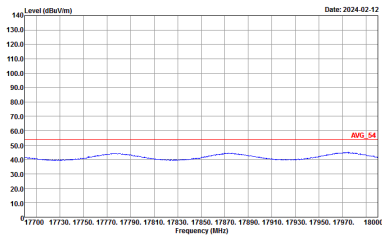


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH39 2441MHz	
	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
Peak	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 VERTICAL</p>



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BT CH78 2480MHz	
	Horizontal	Vertical
<p><b>14.47G</b> <b>~14.5G</b> <b>Avg.</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>
<p><b>17.7G</b> <b>~18G</b> <b>Avg</b></p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 HORIZONTAL</p>	 <p>Site : 03CH15-HY Condition : AV6_54 3m 91200_02294_230630 VERTICAL</p>



<EDR\_DTS Ant. 3>

<2Mbps>

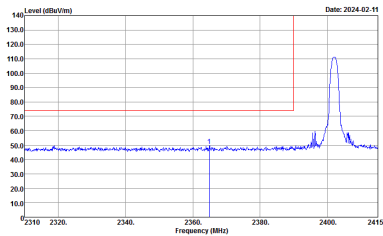
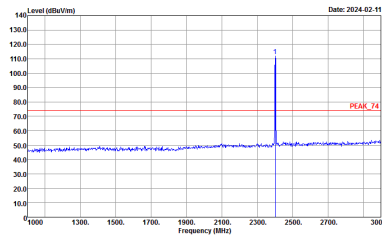
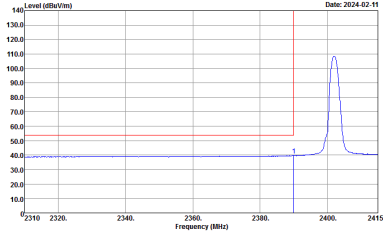
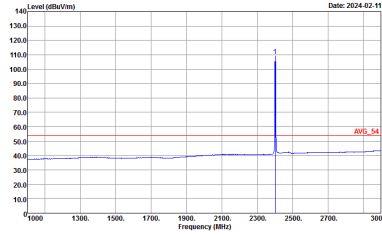
2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BT CH00 2402MHz	
	Horizontal	Fundamental
Peak	<p>Date: 2024-02-11</p> <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2024-02-11</p> <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Date: 2024-02-11</p> <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>	<p>Date: 2024-02-11</p> <p>Site : 03CH15-HY Condition : AVG_54 3m 91200_02294_230630 HORIZONTAL : RBW:1000.000KHz VBW:0.360KHz SWT:Auto</p>





BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
BT CH00 2402MHz		
Vertical		Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2402 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 2402 MHz.</p> <p>Site : 03CH15-HY            Condition : PEAK_BE_74 3m 91200_02294_230630 VERTICAL                          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2402 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 2402 MHz, labeled 'PEAK_74'.</p> <p>Site : 03CH15-HY            Condition : PEAK_74 3m 91200_02294_230630 VERTICAL                          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average peak at 2402 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 2402 MHz.</p> <p>Site : 03CH15-HY            Condition : AV6_BE_54 3m 91200_02294_230630 VERTICAL                          : RBW:1000.000kHz VBW:0.360kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing an average peak at 2402 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 2402 MHz, labeled 'AVG_54'.</p> <p>Site : 03CH15-HY            Condition : AV6_54 3m 91200_02294_230630 VERTICAL                          : RBW:1000.000kHz VBW:0.360kHz SWT:Auto</p>