

 MOTOROLA SOLUTIONS	 CERTIFICATE 2518.08   SAMM 825																																
MOTOROLA PENANG ADV. COMM. LABORATORY Motorola Solutions Malaysia Sdn. Bhd. Plot 2A Medan Bayan Lepas, Mukim 12, S.W.D. 11900 Bayan Lepas, Penang, Malaysia.	FCC / ISED TEST REPORT Report Revision : Rev.B																																
<table><tr><td>Date/s Tested</td><td>: 01-May-2026 - 15-May-2026</td></tr><tr><td>Report Issue Date</td><td>: 04-August-2026</td></tr><tr><td>Test Location</td><td>: MOTOROLA PENANG ADV. COMM. LABORATORY</td></tr><tr><td>Manufacturer/Location</td><td>: Motorola Solutions Malaysia Sdn Bhd</td></tr><tr><td>Requestor</td><td>: Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>Product Type</td><td>: CHUAH YIH JIAN</td></tr><tr><td>Product Marketing Name (PMN)</td><td>: MR7r</td></tr><tr><td>Hardware Version Identification Number (HVIN)</td><td>: AAM29QPN9YA1AN</td></tr><tr><td>Frequency Band</td><td>: 2.412-2.462 GHz</td></tr><tr><td>Max RF Output Power</td><td>: 802.11b - 22.39mWatts 802.11g - 199.53mWatts 802.11n(HT20) - 199.53mWatts</td></tr><tr><td>Applicant Name</td><td>: Motorola Solutions Inc</td></tr><tr><td>Applicant Address</td><td>: Plot 2A, Medan bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>FCC Registrations</td><td>: 461337</td></tr><tr><td>CAB ID</td><td>: MY0001</td></tr><tr><td>Firmware Version Identification Number (FVIN)</td><td>: D02.26.02.0175</td></tr></table> The equipment was tested accordance to the requirement listed below: <table><tr><td>(2.4GHz Wifi) 47CFR Part 15C ISED RSS 247 Issue 4</td><td>PASS</td></tr></table>		Date/s Tested	: 01-May-2026 - 15-May-2026	Report Issue Date	: 04-August-2026	Test Location	: MOTOROLA PENANG ADV. COMM. LABORATORY	Manufacturer/Location	: Motorola Solutions Malaysia Sdn Bhd	Requestor	: Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia	Product Type	: CHUAH YIH JIAN	Product Marketing Name (PMN)	: MR7r	Hardware Version Identification Number (HVIN)	: AAM29QPN9YA1AN	Frequency Band	: 2.412-2.462 GHz	Max RF Output Power	: 802.11b - 22.39mWatts 802.11g - 199.53mWatts 802.11n(HT20) - 199.53mWatts	Applicant Name	: Motorola Solutions Inc	Applicant Address	: Plot 2A, Medan bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia	FCC Registrations	: 461337	CAB ID	: MY0001	Firmware Version Identification Number (FVIN)	: D02.26.02.0175	(2.4GHz Wifi) 47CFR Part 15C ISED RSS 247 Issue 4	PASS
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Table of Contents

1.0. General Information	3
1.1. Channel number and frequency information:	3
2.0. Summary of Test Results.....	5
3.0. Measurement Uncertainty	6
4.0. Equipment List.....	7
5.0. Transmitter Test Parameters	11
5.1. 6dB Channel Bandwidth.....	11
5.1.1. Test Setup.....	11
5.1.2. Test Limits:.....	11
5.1.3. Test Data:.....	12
5.2. Conducted RF Output Power	18
5.2.1. Test Setup.....	18
5.2.2. Test Limits:.....	18
5.2.3. Test Data:.....	19
5.3. Duty Cycle of the test signal	20
5.3.1. Test Setup.....	20
5.3.2. Test Data.....	21
5.4. Maximum Peak Power Spectral Density	23
5.4.1. Test Setup.....	23
5.4.2. Test Limits	23
5.4.3. Test Result.....	24
5.5. Conducted Spurious Emission	27
5.5.1. Test Setup.....	27
5.5.2. Test Limits:.....	27
5.5.3. Test Result.....	28
5.6. Band edge Conducted Spurious Emission	46
5.6.1. Test Setup.....	46
5.6.2. Test Limits:.....	46
5.6.3. Test Result.....	47
5.7. Radiated Emission within restricted Bands.....	50
5.7.1. Test Setup.....	50
5.7.2. Test Limits:.....	51
5.7.3. Test Data:.....	52
5.8. AC Powerline Conducted Emission	90
5.8.1. Test Setup.....	90
5.8.2. Test Limits:.....	90
5.8.3. Test Result.....	92

REVISION HISTORY

Revision History	Description	Date	Originator
Rev. A	Initial Report	15-June-2026	Nur Alieya
Rev. B	Updated Results of AC Powerline Conducted Emission from NA to Pass	4-August-2026	Nur Alieya

1.0. General Information

EUT Description:

Technologies	2.4GHz Wi-Fi
TX Frequency range	2412MHz – 2462MHz
Modulation Type	DSSS, OFDM
Connector type	PROGRAMMING, TEST & ALIGNMENT CABLE
Antenna type	PIFA
Temporary RF Connector	0.56dB

Note: The description and information regarding the EUT are provided by the customer. The laboratory shall not be held responsible for any inaccuracies or misinformation in the provided details that may result in incorrect test outcomes.

1.1. Channel number and frequency information:

There are two bandwidth systems.

For 20MHz Bandwidth systems (802.11b, 802.11g, 802.11n), use channel 1 ~ channel 11

For 40MHz Bandwidth systems (802.11n), use channel 3 ~ channel 9

802.11b, g, n

Mode	802.11b			802.11g			802.11n		
Channel	1	6	11	1	6	11	1	6	11
Resource Unit	NA			NA			NA		
Frequency	2412	2437	2462	2412	2437	2462	2412	2437	2462
Bandwidth	20 MHz			20MHz			20MHz		

The EUT contains following accessory devices and data cable:

Item	Brand	Model or P/N
ANTENNA COMBO GNSS (GPS/GALILEO/QZSS/GLONASS), UHF 406-420 MHZ, 3.5 DB GN MINI-U	MOTOROLA	PMAE4032B
MOBILE ANTENNA GNSS L1 & L5 MAGNET MOUNT	MOTOROLA	PMAN4013A
LTD DESKTOP MOBILE MIC	MOTOROLA	RMN5050A-C4
DESKTOP TRAY WITH SPEAKER	MOTOROLA	RSN4005A-CF1
POWER SUPPLY ADAPTOR, EXT 280W POWER SUPPLY, 100-240VAC, SAE	MOTOROLA	PS000280A02-CF1
GENESEE COLOR DISPLAY CONTROL HEAD	MOTOROLA	PMLN8805A
MOTOTRBO REAR ACCESSORY CONNECTOR KIT	MOTOROLA	PMLN5072A
POWER CORD, US	MOTOROLA	3087791G01

General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, the EUT is to comply with the requirements of the following standards:

FCC 47 CFR Part 15 Subpart C

KDB 558074 D01 15.247 Meas Guidance v05

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024

Deviation from standard

Not applicable as no deviation from standard test method

Modifications to EUT

For RF conducted measurements a pigtail was soldered out of the board while for radiated measurements there were no modifications to the device

2.0. Summary of Test Results

FCC Clause	IC Clause	Test Item	Result	Remark	Serial number tested	Tested by
15.247 (a)(2)	RSS-247 5.2(a)	DTS & 99% Channel Bandwidth	Pass	Highest 99% OCB: 802.11b: 13.498MHz (13M5G1D) 802.11g: 16.766MHz (16M8D1D) 802.11n(HT20): 17.701MHz (17M7D1D)	008TCF1821	Hidayati
15.247 (b)(3)	RSS-247 5.4(d)	Conducted RF Output Power (Peak)	Pass	Highest output power: 802.11b: 12.89dBm (19.45mW) 802.11g: 22.09dBm (161.81mW) 802.11n(HT20): 22.23dBm (167.11mW)	008TCF1821	Hidayati
15.247(e)	RSS-247 5.2(b)	Maximum Power Spectral Density	Pass	Meet the limit requirement.	008TCF1821	Hidayati
15.247(d)	RSS-247 5.5	Conducted Spurious Emissions	Pass	Worst case emission: -40.77dBm	008TCF1821	Hidayati
15.247 (d)	RSS-247 5.5	Band edge Conducted Spurious Emission	Pass	Worst case emission: -33.00dBm	008TCF1821	Hidayati
15.205, 15.209, 15.247 (d)	RSS-247 5.5	Radiated Emission within Restricted Bands	Pass	Worst case emission: RBE: 66.94dBuV/m (Margin: 7.06dB) RSE: 48.72dBuV/m (Margin: 5.28dB)	008TCF1848	Nazrin & Fuad
15.207	RSS-Gen 8.8	AC Power Line Conducted Emission	Pass	Meet the limit requirement.	008TCF1848	Helmy
15.203	-	Antenna requirement	NA	Internal antenna is not accessible to the end-user	NA	NA

NA → Not Available

3.0. Measurement Uncertainty

The measurement uncertainties below were calculated using approach describe in ETSI TR 100 028, ETSI TR 100 028-2 (using a coverage factor of $k = 1.96$) & CISPR 16-4-2 (using a coverage factor of $k=2$), which gives a level of confidence of approximately 95%.

According to CISPR 16-4-2, the levels were found to be below levels of U_{CISPR} and therefore no adjustment of the data for measurement uncertainty is required.

ETSI TR 100 028 & ETSI TR 100 028-2:

MEASUREMENT TYPE	FREQUENCY RANGE	EXPANDED UNCERTAINTY
Conducted Spurious Output Power	9kHz-12750MHz	± 2.82 dB

CISPR 16-4-2:

MEASUREMENT TYPE	FREQUENCY RANGE	EXPANDED UNCERTAINTY
AC Power-line Conducted Emissions	150kHz-30MHz	± 3.44 dB
Radiated Emissions	30MHz-1000MHz	± 6.00 dB
Radiated Emissions	1000MHz-18000MHz	± 5.14 dB
Radiated Emissions	18000MHz-40000MHz	± 5.36 dB

4.0. Equipment List

Bluetooth ATE # 3 (SW Version: Ate Main_v3.2.2)

Description	Model	Serial Number	Calibration Date	Calibration Due Date
POWER SUPPLY	6652A	3541A02371	30-Sep-25	03-Sep-26
SPECTRUM ANALYZER	E4440A	MY46186938	13-Nov-25	13-Nov-26
CHAMBER	SH-641	92003820	09-Jul-25	09-Jul-26
PULSE POWER METER	ML2495A	1845014	09-Sep-25	09-Sep-26
PULSE SENSOR	MA2411B	1726287	10-Sep-25	10-Sep-26

Radiated Emission Station (SW Version: EMC FCC IC RE v1.8.2)

Description	Model	Serial Number	Calibration Date	Calibration Due Date
DRG HORN FREQ.	SAS-571	719	31-Oct-25	31-Oct-26
DRG HORN FREQ.	SAS-571	1027	21-Jul-25	21-Jul-26
DC Power Supply	6031A	3313A02730	06-Oct-25	06-Oct-26
SIGNAL GENERATOR	SMB 100A	180683	20-Dec-24	20-Dec-27
EMI TEST RECEIVER	ESW44	101731	11-Aug-25	10-Aug-26
BILOG ANTENNA	CBL 6112D	55546	30-Jun-25	30-Jun-26
BILOG ANTENNA	CBL6112B	2964	06-Nov-25	06-Nov-26
DATA LOGGER THERMOHYGROMETER	SDL500	A.016785	16-Jul-25	16-Jul-26
BROAD-BAND HORN ANTENNA	BBHA9170	BBHA9170143	30-Sep-25	30-Sep-26
PREAMPLIFIER 1-18GHz	EMC0518A45SE	981005	19-Sep-25	18-Sep-26
PREAMPLIFIER	PAM-0118P	361	29-Sep-23	29-Sep-26
LOOP ANTENNA	6502	00208416	06-Nov-25	06-Nov-26
5m SEMI-ANECHOIC CHAMBER	S800-HX	J2308	Not Required	Not Required
SYSTEM CONTROLLER	SC104V	050806-1	Not Required	Not Required
TURNTABLE FLUSH MOUNT 2M	FM2011	FM2011-001	Not Required	Not Required
ANTENNA POSITIONING TOWER	TLT2	090308-5	Not Required	Not Required
PREAMPLIFIER 18-40GHz	JS44-18004000-33-8P	2034566	Not Required	Not Required

AC Powerline Station (SW Version: EMC32 Ver.10.60.10)

Description	Model	Serial Number	Calibration Date	Calibration Due Date
DATA LOGGER	DSB	16344143	16-Jul-2025	16-Jul-2026
V-NETWORK 2-LINE	ENV216	101268	30-Jun-2025	30-Jun-2026
EMI TEST RECEIVER	ESCI 3	100225	04-Sep-2025	04-Sep-2026
PROGRAMMABLE AC SOURCE	61604	ABR000000926	20-Aug-2025	20-Aug-2026

Note: Performed test site validation in accordance with ANSI C63.4-2014+C63.4a-2017 (30 MHz - 1 GHz) and CISPR 16-1-4 (1 GHz - 18 GHz) annually but no less than once every 3 years.

4.1. Test Mode Applicability and Test Channel Detail

The device employs MIMO technology. Below are the possible configurations.

WLAN Configurations		Mode					
		SISO		Spatial Diversity Multiplexing (MIMO)		Cyclic Delay Diversity (MIMO)	
	Antenna	Primary	Secondary	Primary	Secondary	Primary	Secondary
2.4GHz	802.11b	√	√	x	x	x	x
	802.11g	√	√	x	x	x	x
	802.11n (HT20)	√	√	x	x	x	x

√ = Support;
 x = NOT Support

Note: This Device supports simultaneous transmission operation, which allows for two SISO or two MIMO channels to operate independent of one another in the 2.4GHz band on each antenna. 802.11n mode is capable of transmitting simultaneously on two antennas using Cyclic Delay Diversity and Spatial Diversity Multiplexing (2x2 MIMO). The following tables show the worst case configurations determined during testing. The data for these configurations is contained in this test report.

Radiated Emission Test (Above 1GHz)

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Modulation	Available Channel	Tested Channel	Modulation Technology	Data Modulation Type	Date Rate (Mbps)	Mode	Environmental Conditions
Test Mode	802.11b	1 to 11	1,6,11	DSSS	QPSK	1	SISO	23.7°C, 68.9%RH
Test Mode	802.11g	1 to 11	1,6,11	OFDM	BPSK	6	SISO	23.7°C, 68.9%RH
Test Mode	802.11n (HT20)	1 to 11	1,6,11	OFDM	BPSK	6.5	SISO	23.7°C, 68.9%RH

Radiated Emission Test (Below 1GHz)

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Modulation	Available Channel	Tested Channel	Modulation Technology	Data Modulation Type	Date Rate (Mbps)	Mode	Environmental Conditions
Test Mode	802.11b	1 to 11	1,6,11	DSSS	QPSK	1	SISO	23.7°C, 68.9%RH
Test Mode	802.11g	1 to 11	1,6,11	OFDM	BPSK	6	SISO	23.7°C, 68.9%RH
Test Mode	802.11n (HT20)	1 to 11	1,6,11	OFDM	BPSK	6.5	SISO	23.7°C, 68.9%RH

Power Line Conducted Emission Test

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Modulation	Available Channel	Tested Channel	Modulation Technology	Data Modulation Type	Date Rate (Mbps)	Environmental Conditions
Application Mode	802.11bgn mixed	1 to 11	AUTO	DSSS, OFDM	AUTO	AUTO	20.1°C, 54.9%RH

Antenna Port Conducted Measurement:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Modulation	Available Channel	Tested Channel	Modulation Technology	Data Modulation Type	Data Rate (Mbps)	Mode	Environmental Conditions
Test Mode	802.11b	1 to 11	1,6,11	DSSS	QPSK	1	SISO	25°C, 54.8%RH
Test Mode	802.11g	1 to 11	1,6,11	OFDM	BPSK	6	SISO	25°C, 54.8%RH
Test Mode	802.11n (HT20)	1 to 11	1,6,11	OFDM	BPSK	6.5	SISO	25°C, 54.8%RH

Duty Cycle of Test Signal

802.11b, 802.11g and 802.11n: Duty cycle of test signal is $\geq 98\%$. (Refer to Clause 6.3 for duty cycle test signal)

Final Reported Test Results

The final reported test results are calculated using the following equation:

Reported RF Measurement Results = Measured Measurement Results + Correction Factor

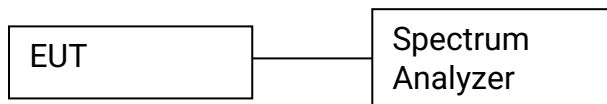
Where:

- Measured Measurement Results is the measured test results
- Correction Factor is the cumulative loss of all cables used during measurement, including temporary RF connector and antenna gain.

5.0. Transmitter Test Parameters

5.1. 6dB Channel Bandwidth

5.1.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. Detector mode = Peak
 - d. Trace = Max hold
 - e. Sweep = auto
- e) Measure the freq different of two frequencies that were attenuated 6dB from peak of the emission & record the frequency difference as the emission bandwidth.
- f) Measure every antenna port by repeat the step above for MIMO measurement.

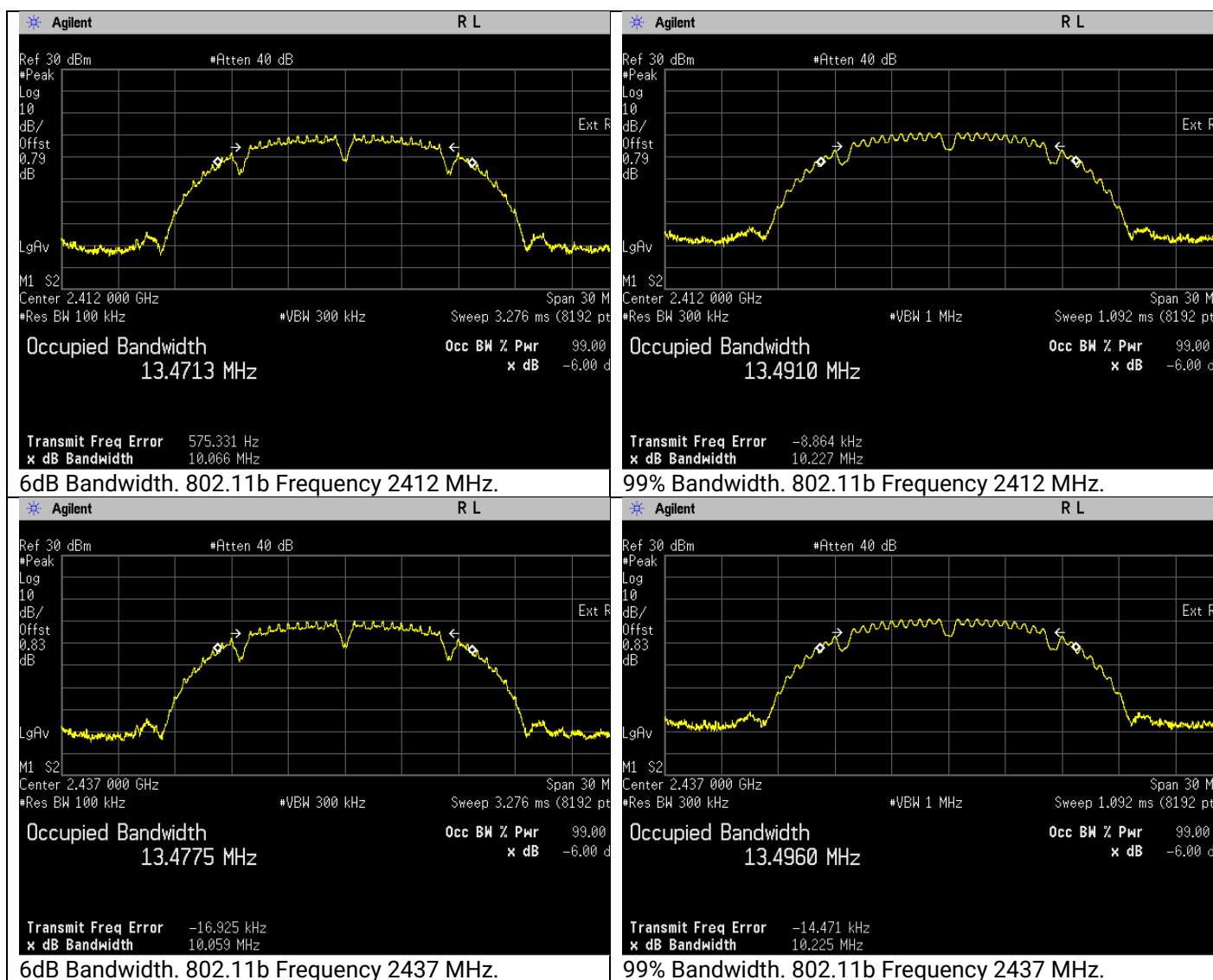
5.1.2. Test Limits:

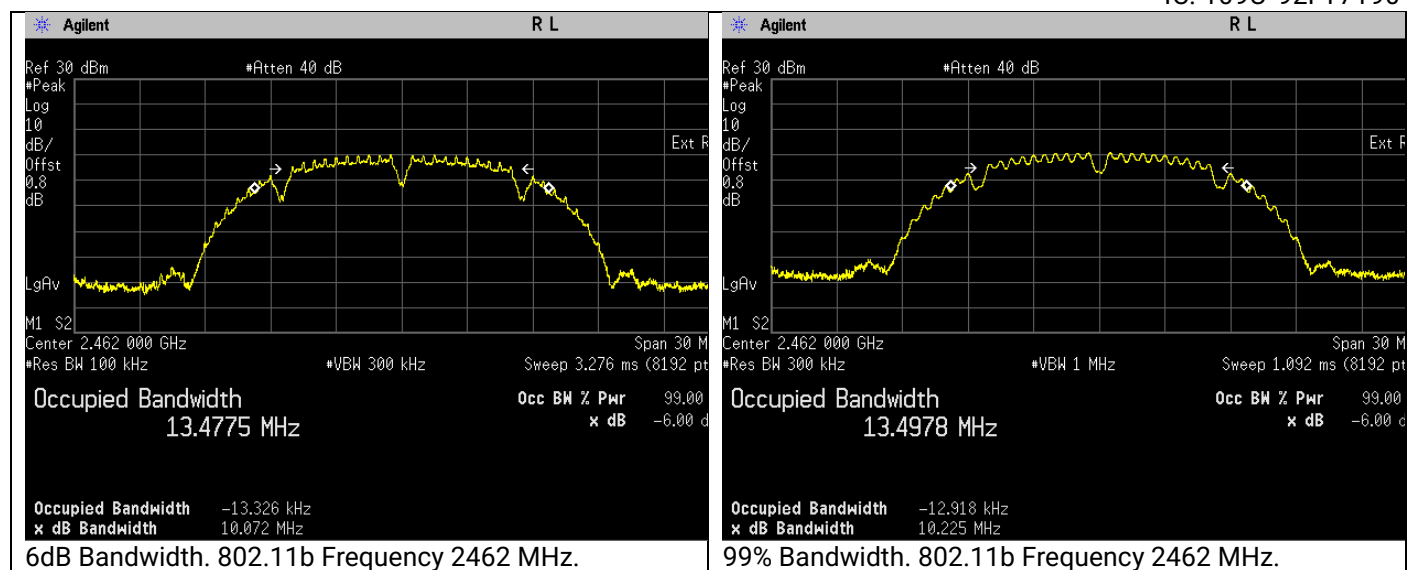
Normal Condition (25 ° C)
≥500 kHz

5.1.3. Test Data:

802.11 b

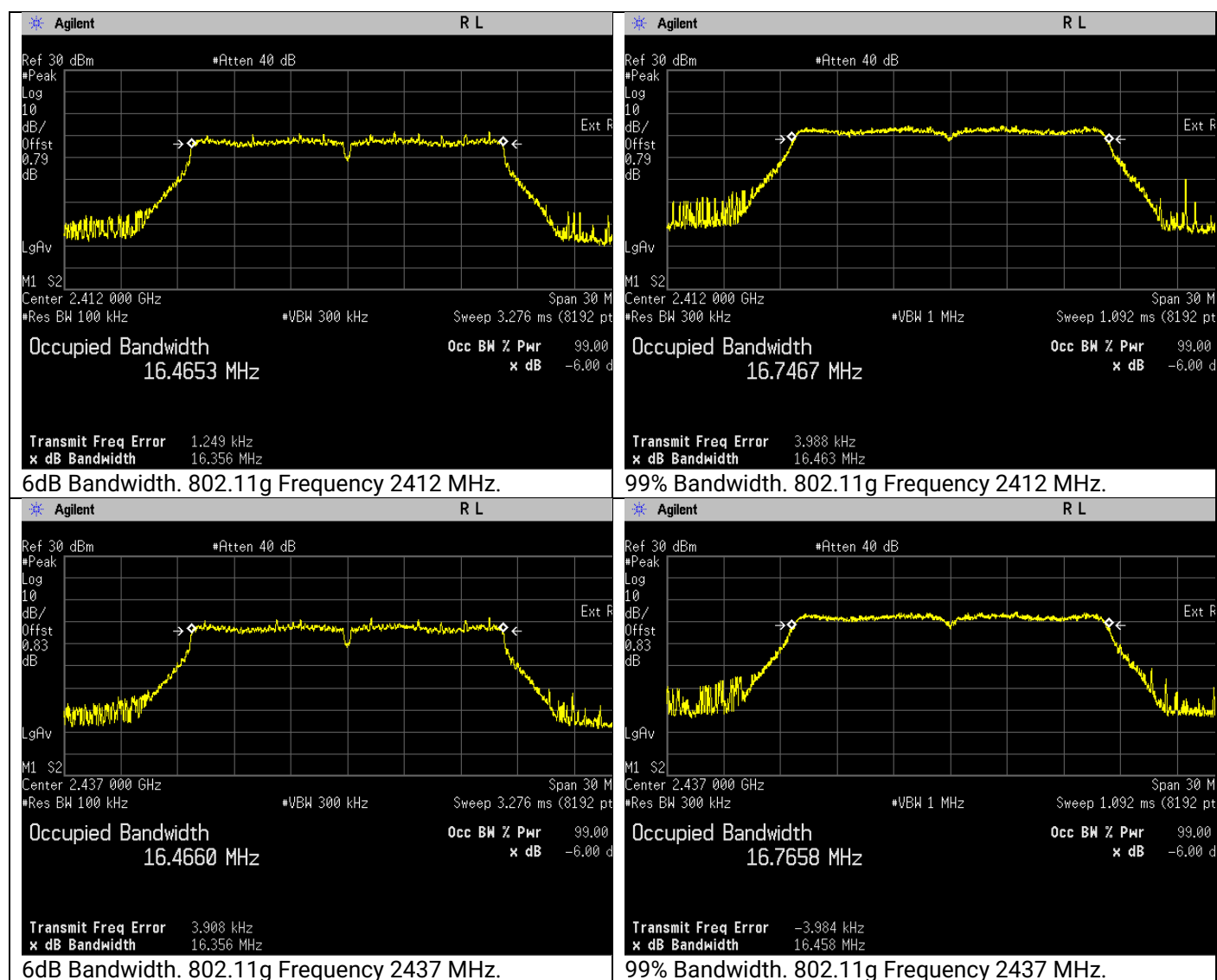
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Status
802.11b	DSSS	BPSK	1	2412	10.066	13.491	Pass
802.11b	DSSS	BPSK	1	2437	10.059	13.496	Pass
802.11b	DSSS	BPSK	1	2462	10.072	13.498	Pass

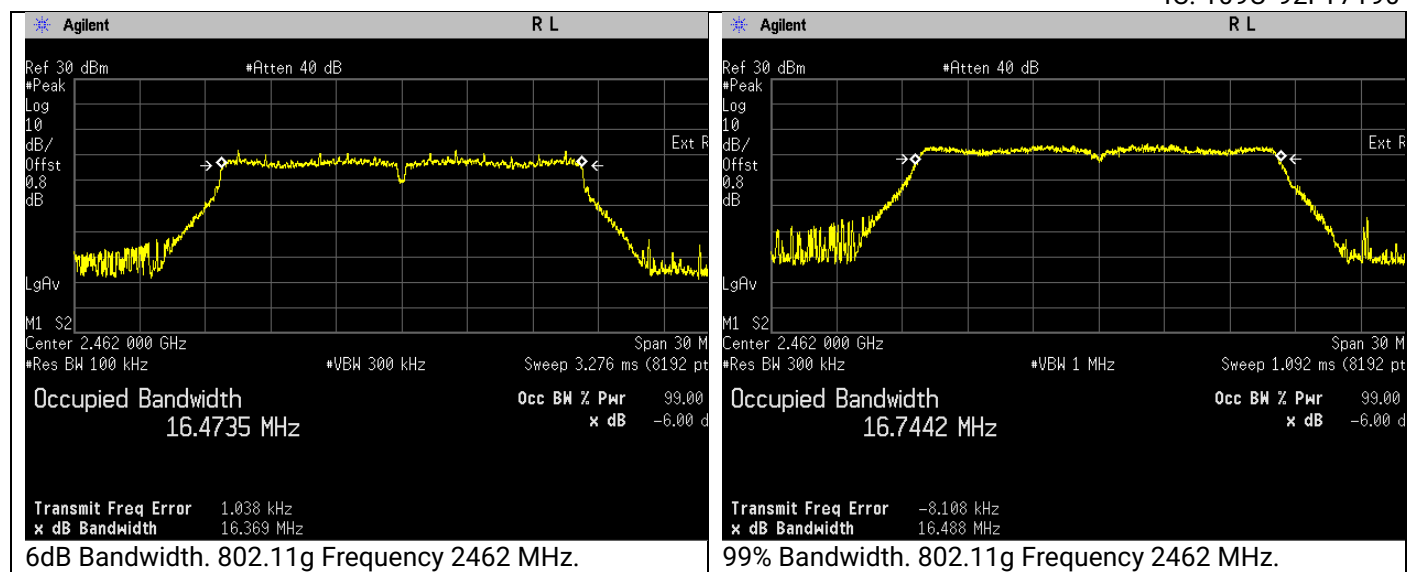




802.11g

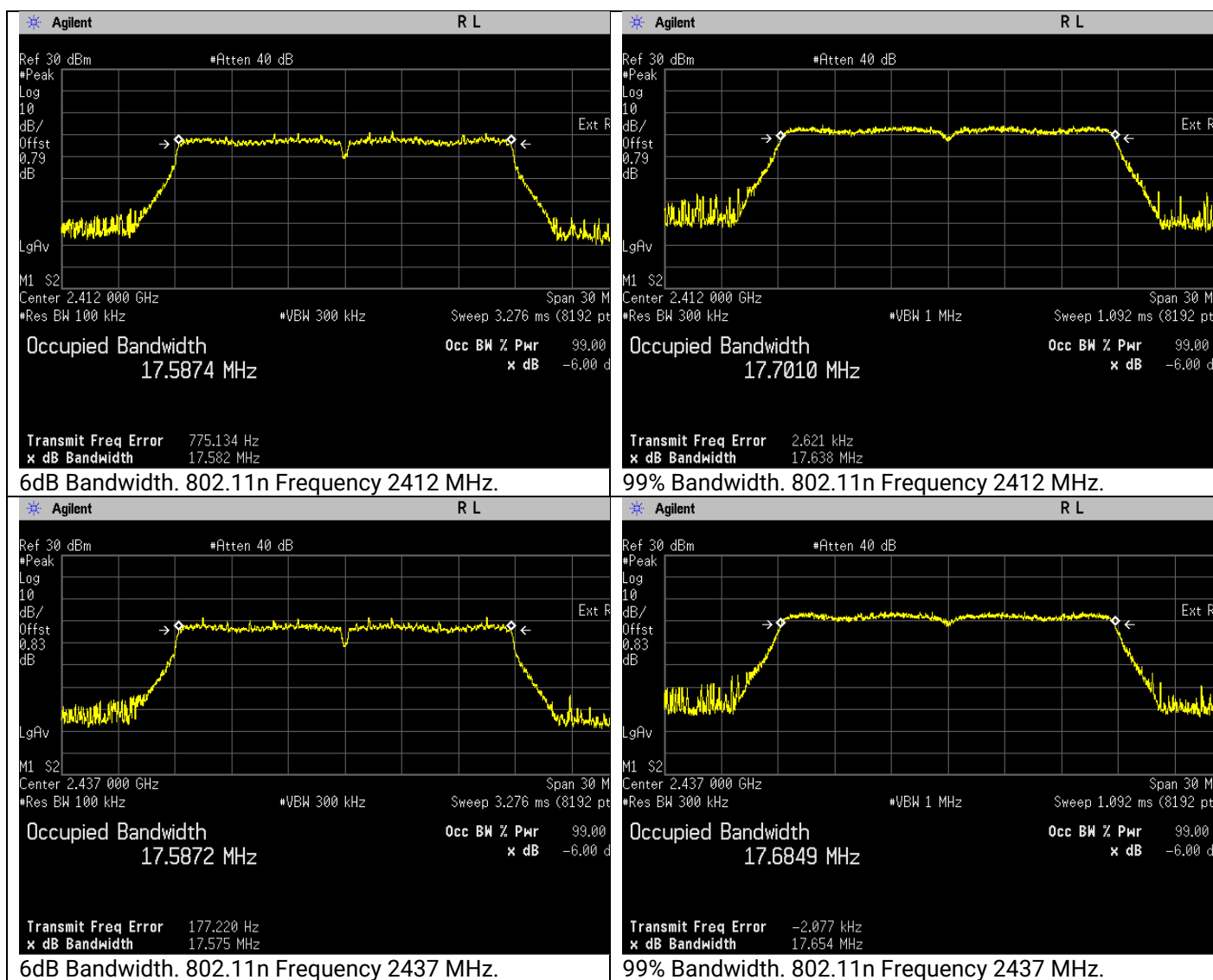
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Status
802.11g	OFDM	BPSK	6	2412	16.356	16.747	Pass
802.11g	OFDM	BPSK	6	2437	16.356	16.766	Pass
802.11g	OFDM	BPSK	6	2462	16.369	16.744	Pass

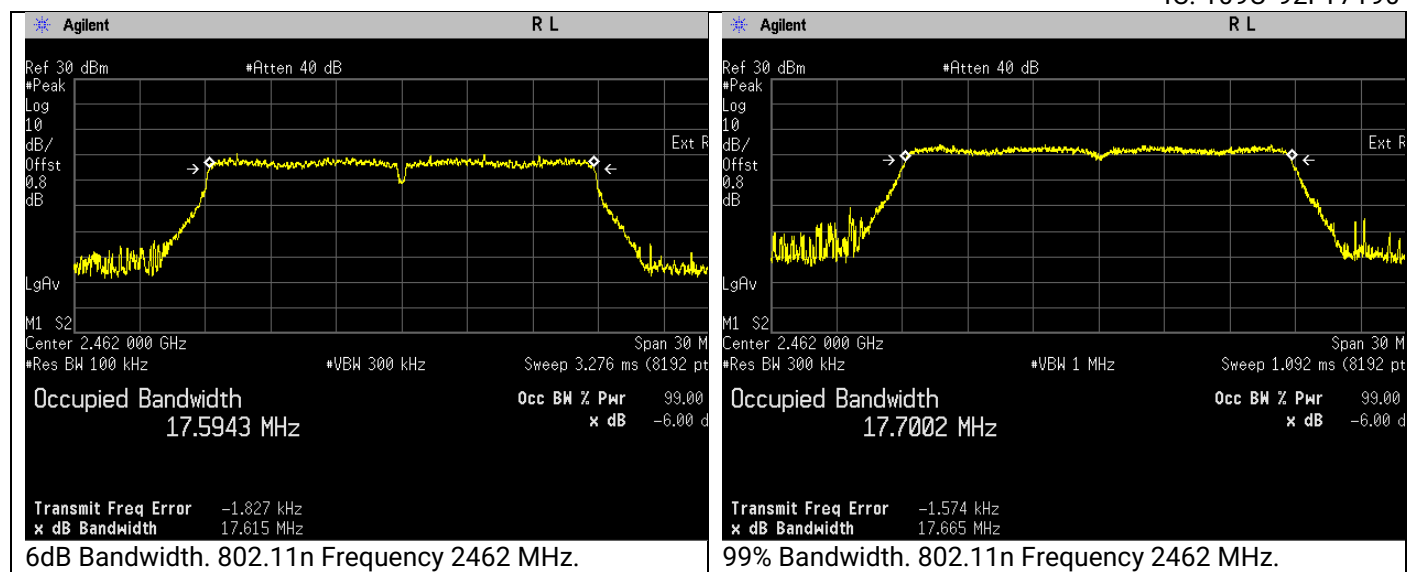




802.11n (HT20)

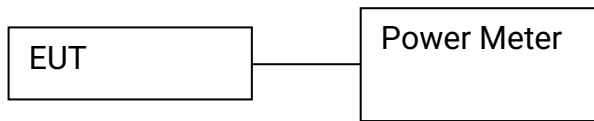
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Status
802.11n	OFDM	BPSK	6.5	2412	17.582	17.701	Pass
802.11n	OFDM	BPSK	6.5	2437	17.575	17.685	Pass
802.11n	OFDM	BPSK	6.5	2462	17.615	17.700	Pass





5.2. Conducted RF Output Power

5.2.1. Test Setup



Peak

- a) Set the following settings on the power meter:
 - a. Preset -> reset
 - b. Cal/Zero -> Zero & Cal
 - c. Preset -> 802.11g
 - d. Sensor -> Cal Factor -> Enter freq
 - e. Channel -> Trigger -> Trigger Source -> Internal, Rising Edge
 - f. Channel -> Trigger -> More -> Arming -> Automatic
 - g. Channel -> Averaging -> Averaging
 - h. Sensor -> offset -> fixed to couple for losses from ancillaries
 - i. Record peak data
- b) Key up DUT
- c) Restart averaging and read data once the numbers stabilize.
- d) Record power by reading peak data
- e) Repeat the steps in (1) (omit first 3 steps if done previously) by setting DUT to transmit at mid frequency and high frequency.

5.2.2. Test Limits:

Normal Condition (25 ° C)
≤1 Watt(30 dBm)

5.2.3. Test Data:

Test was conducted peak power.

802.11b

Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Output Power (dBm)	Status
802.11b	DSSS	BPSK	1	2412	12.89	Pass
802.11b	DSSS	BPSK	1	2437	12.82	Pass
802.11b	DSSS	BPSK	1	2462	12.69	Pass

802.11g

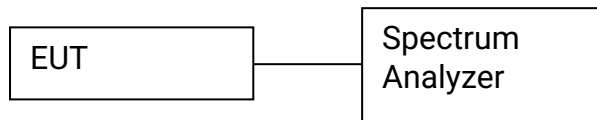
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Output Power (dBm)	Status
802.11g	OFDM	BPSK	6	2412	21.97	Pass
802.11g	OFDM	BPSK	6	2437	22.09	Pass
802.11g	OFDM	BPSK	6	2462	21.89	Pass

802.11n (HT20)

Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Output Power (dBm)	Status
802.11n	OFDM	BPSK	6.5	2412	22.23	Pass
802.11n	OFDM	BPSK	6.5	2437	22.19	Pass
802.11n	OFDM	BPSK	6.5	2462	22.09	Pass

5.3. Duty Cycle of the test signal

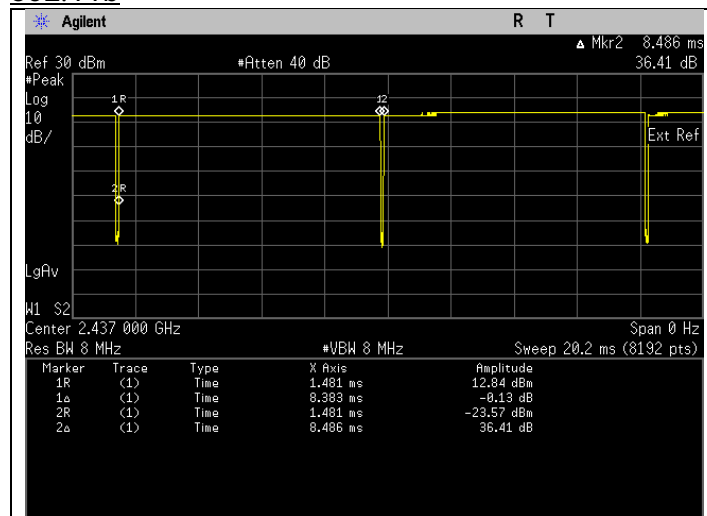
5.3.1. Test Setup



- 1) Check and ensure the spectrum analyzer well calibrate.
- 2) Turn on the DUT and set DUT to transmit maximum power.
- 3) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- 4) Setting of Spectrum analyzer :
 - a. Set the RBW = 10 MHz or the highest RBW available on spectrum analyzer.
 - b. Set the VBW $\geq$ RBW.
 - c. Set the span $\geq [1.5 \times \text{DTS bandwidth}]$.
 - d. Detector = Peak.
 - e. Sweep time = 10ms or others that allow to measure accurate duty cycle.
 - f. Trace mode = max hold.
 - g. Allow trace to fully stabilize.
- 5) Record the duty cycle as X and save the plot.
- 6) Measure every antenna port by repeat the step above for MIMO measurement.

5.3.2. Test Data

802.11b



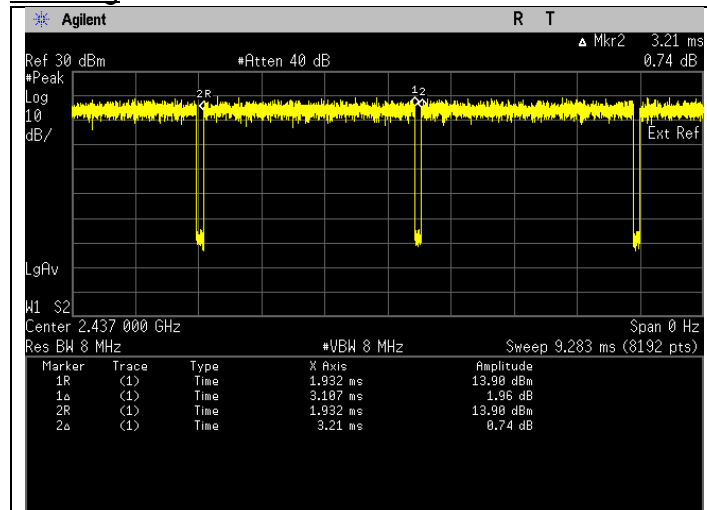
Duty Cycle

On time (ms)	8.383
On + Off Time (ms)	8.486
Duty Cycle	0.9879
Duty Cycle factor	0.053

*Duty cycle = On time/ On +off time

*Duty Cycle factor = $10 \cdot \log(1/\text{Duty Cycle})$

802.11g



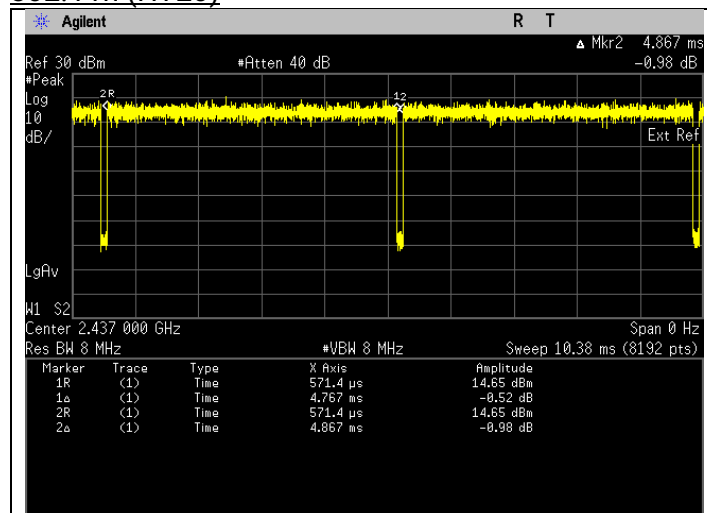
Duty Cycle

On time (ms)	3.107
On + Off Time (ms)	3.210
Duty Cycle	0.9679
Duty Cycle factor	0.142

*Duty cycle = On time/ On +off time

*Duty Cycle factor = $10 \cdot \log(1/\text{Duty Cycle})$

802.11n (HT20)



Duty Cycle

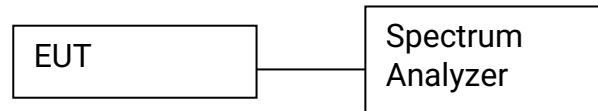
On time (ms)	4.767
On + Off Time (ms)	4.867
Duty Cycle	0.9795
Duty Cycle factor	0.01

*Duty cycle = On time/ On +off time

*Duty Cycle factor = $10 \cdot \log(1/\text{Duty Cycle})$

5.4. Maximum Peak Power Spectral Density

5.4.1. Test Setup



Maximum Peak

- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
 - a. Set analyzer center frequency to DTS channel center frequency.
 - b. Set the span to 1.5 times the DTS bandwidth.
 - c. Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
 - d. Set the VBW $\geq [3 \times \text{RBW}]$.
 - e. Detector = peak.
 - f. Sweep time = auto couple.
 - g. Trace mode = max hold.
 - h. Allow trace to fully stabilize.
 - i. Use the peak marker function to determine the maximum amplitude level within the RBW.
 - j. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
- e) Measure every antenna port by repeat the step above for MIMO measurement.

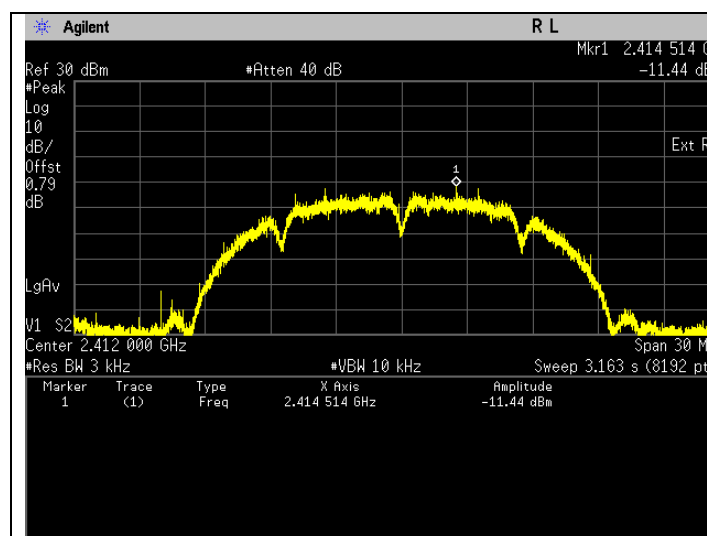
5.4.2. Test Limits

Normal Condition (25 ° C)
$\leq 8 \text{ dBm/3kHz}$

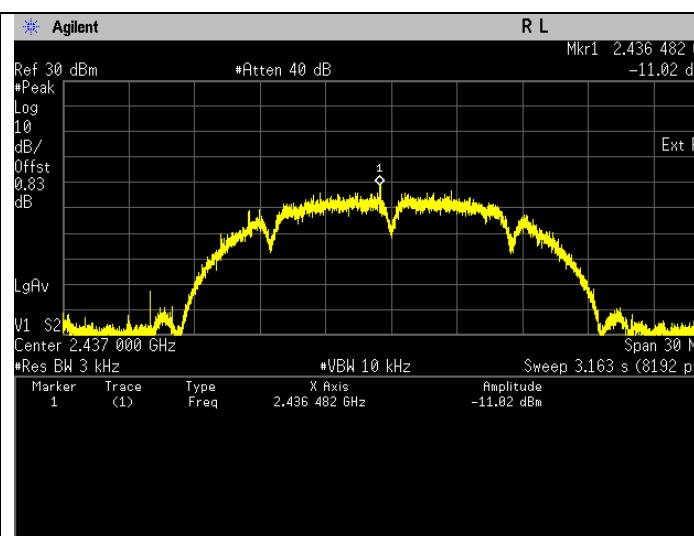
5.4.3. Test Result

802.11b

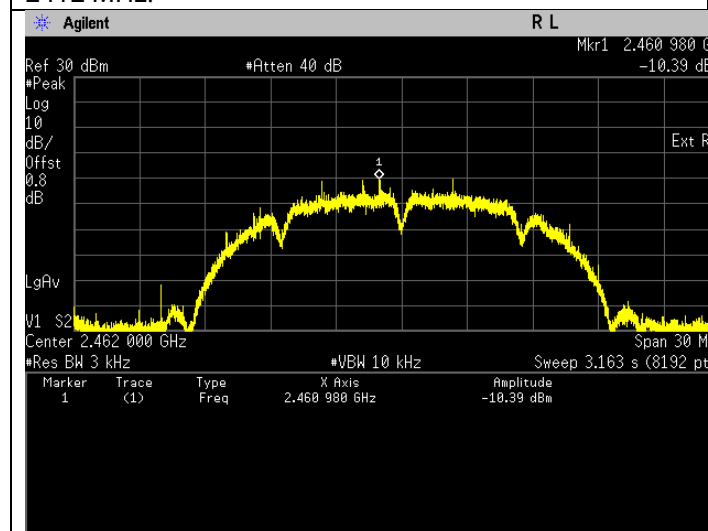
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Power (dBm/3kHz)	Status
802.11b	DSSS	BPSK	1	2412	-11.44	Pass
802.11b	DSSS	BPSK	1	2437	-11.02	Pass
802.11b	DSSS	BPSK	1	2462	-10.39	Pass



Maximum Power Spectral Density. 802.11b Frequency 2412 MHz.



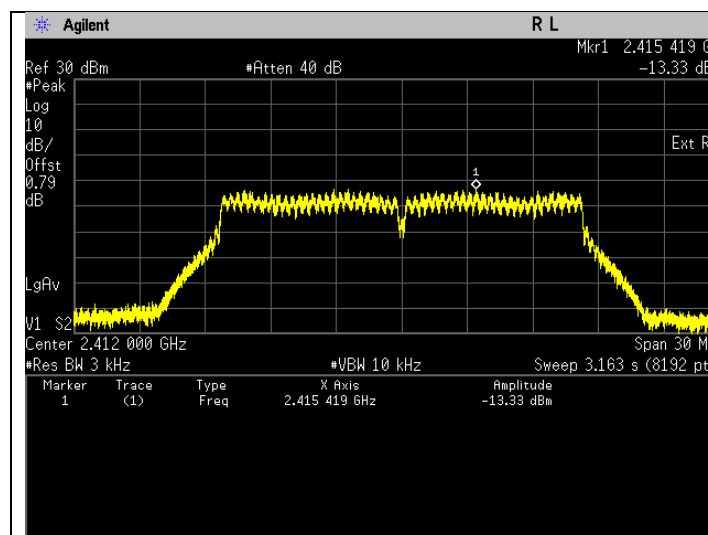
Maximum Power Spectral Density. 802.11b Frequency 2437 MHz.



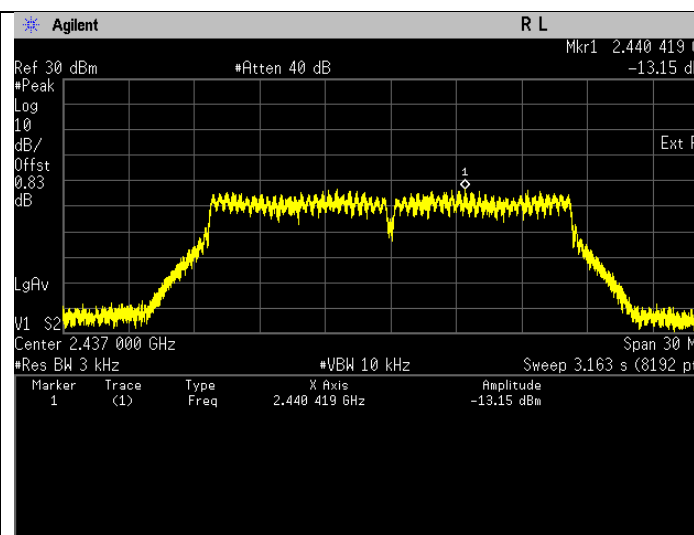
Maximum Power Spectral Density. 802.11b Frequency 2462 MHz.

802.11g

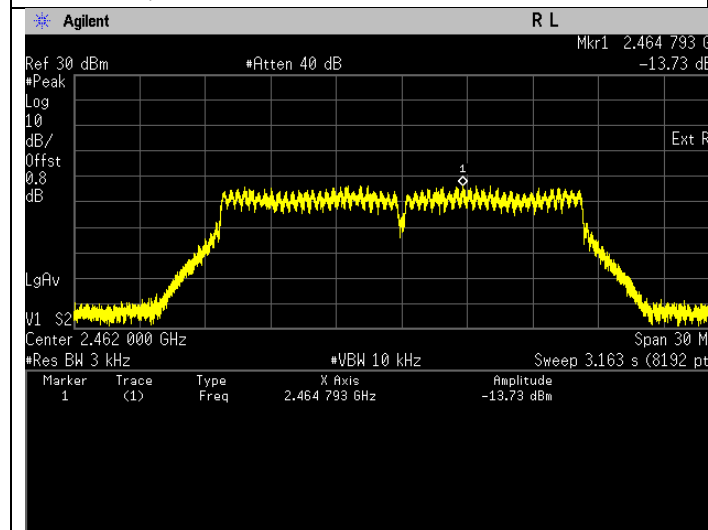
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Power (dBm/3kHz)	Status
802.11g	OFDM	BPSK	6	2412	-13.33	Pass
802.11g	OFDM	BPSK	6	2437	-13.15	Pass
802.11g	OFDM	BPSK	6	2462	-13.73	Pass



Maximum Power Spectral Density. 802.11g Frequency 2412 MHz.



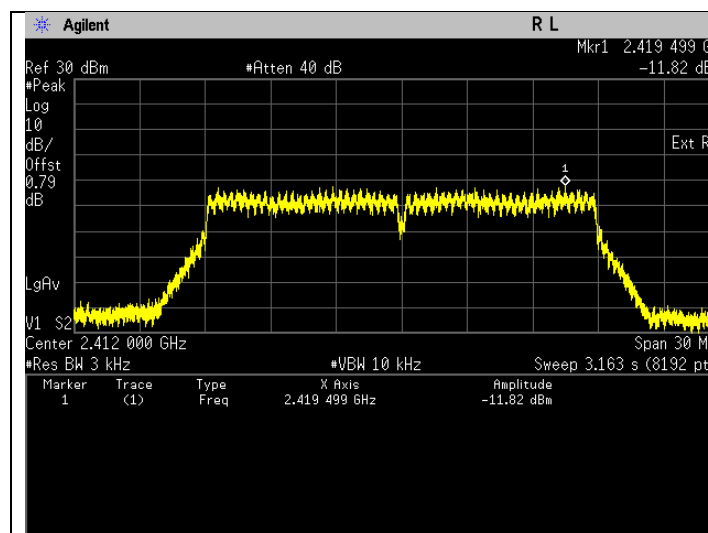
Maximum Power Spectral Density. 802.11g Frequency 2437 MHz.



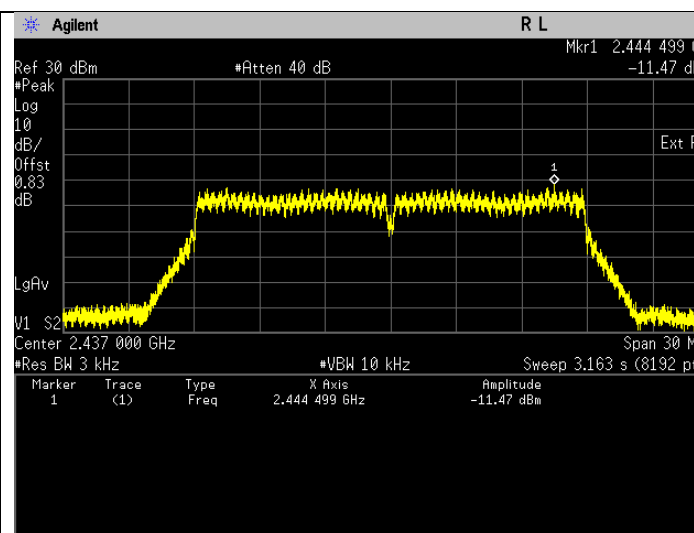
Maximum Power Spectral Density. 802.11g Frequency 2462 MHz.

802.11n (HT20)

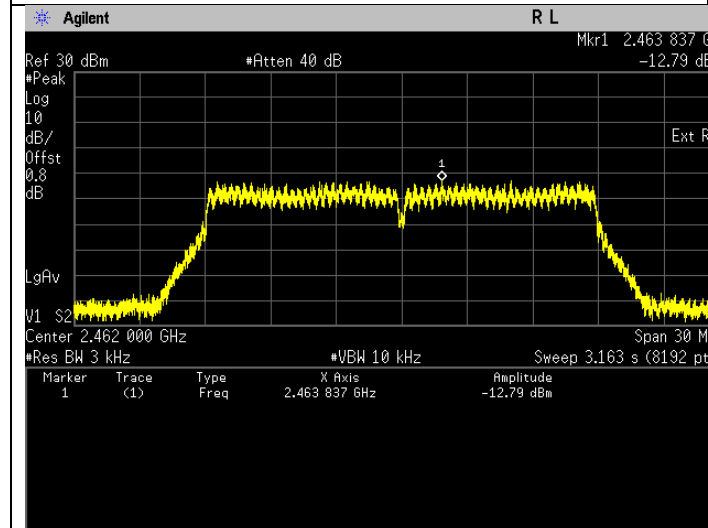
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Power (dBm/3kHz)	Status
802.11n	OFDM	BPSK	6.5	2412	-11.82	Pass
802.11n	OFDM	BPSK	6.5	2437	-11.47	Pass
802.11n	OFDM	BPSK	6.5	2462	-12.79	Pass



Maximum Power Spectral Density. 802.11n Frequency 2412 MHz.



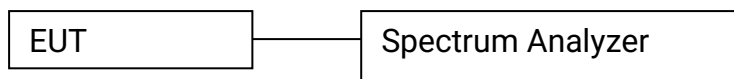
Maximum Power Spectral Density. 802.11n Frequency 2437 MHz.



Maximum Power Spectral Density. 802.11n Frequency 2462 MHz.

5.5. Conducted Spurious Emission

5.5.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. Detector mode = Peak
 - d. Trace = Max Hold
 - e. Sweep = auto
- e) Use the peak marker function to measure highest emission and scan up to 10th harmonic.
- f) Measure every antenna port by repeat the step above for MIMO measurement.

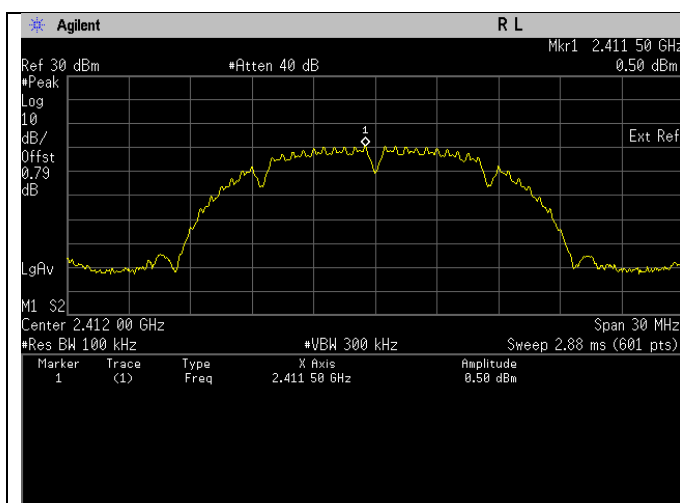
5.5.2. Test Limits:

Normal Condition (25 ° C)
Shall be at least 20 dB below max power. (Peak detector)

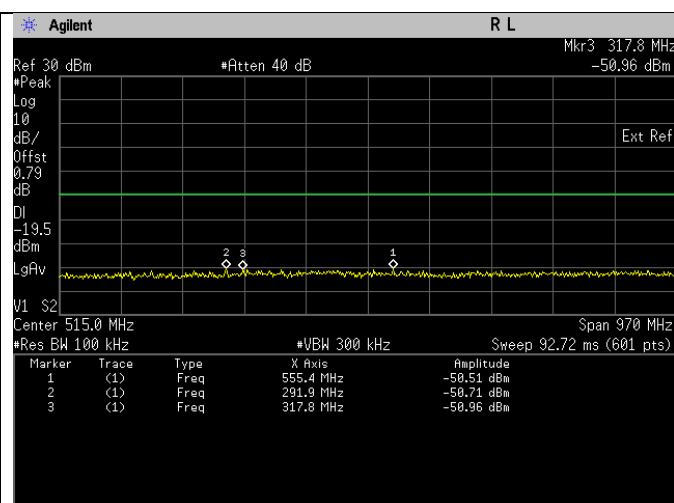
5.5.3. Test Result

802.11b

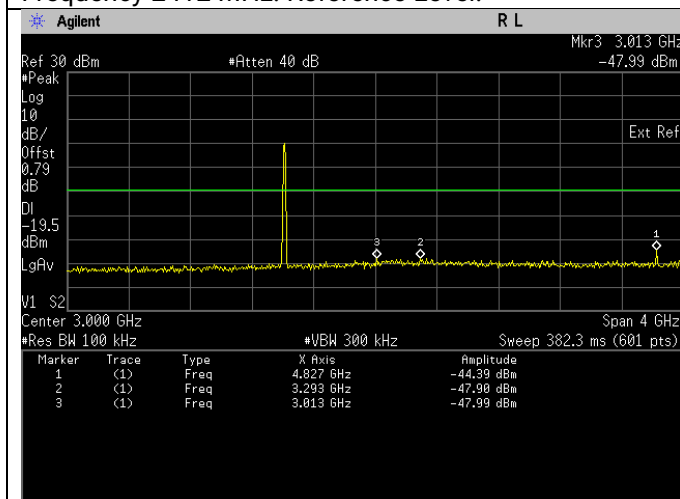
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Spurs (MHz)	Level (dBm)	Status
802.11b	DSSS	BPSK	1	2412	24875.000	-41.32	Pass
					24792.000	-42.02	Pass
					15000.000	-42.04	Pass
802.11b	DSSS	BPSK	1	2437	14000.000	-41.40	Pass
					24942.000	-41.68	Pass
					14575.000	-41.91	Pass
802.11b	DSSS	BPSK	1	2462	24833.000	-41.84	Pass
					24742.000	-42.09	Pass
					24517.000	-42.14	Pass



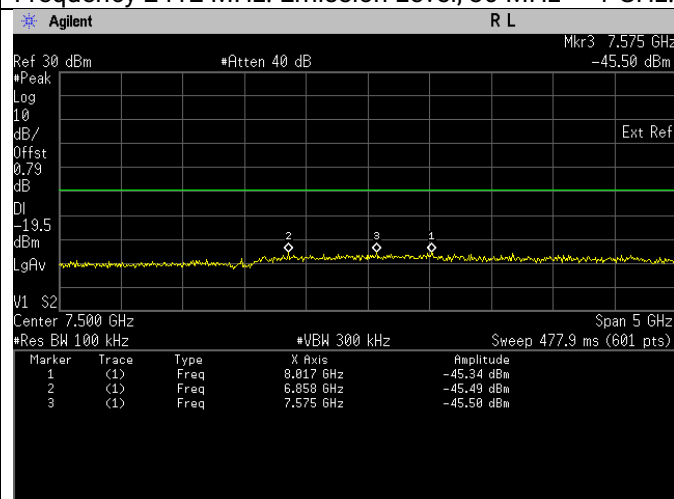
Frequency 2412 MHz. Reference Level.



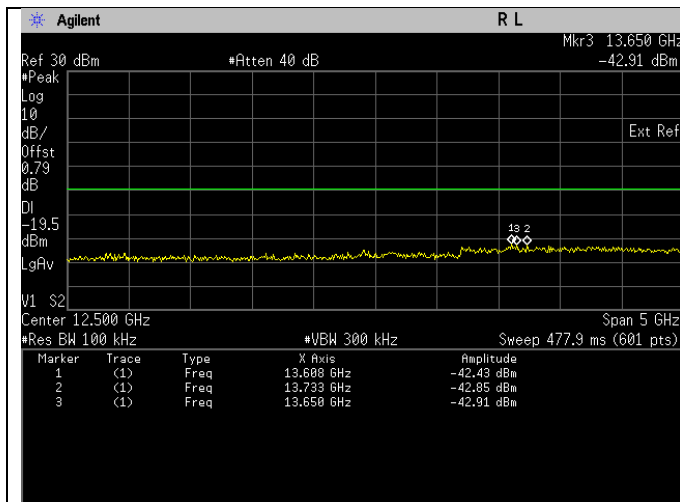
Frequency 2412 MHz. Emission Level, 30 MHz -> 1 GHz.



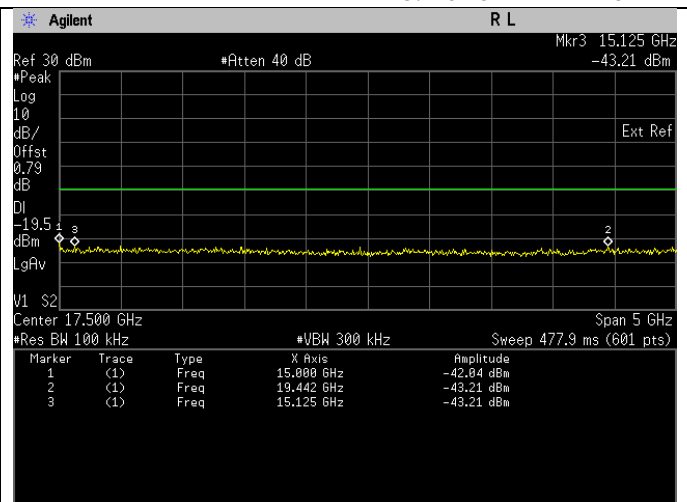
Frequency 2412 MHz. Emission Level, 1 GHz -> 5 GHz.



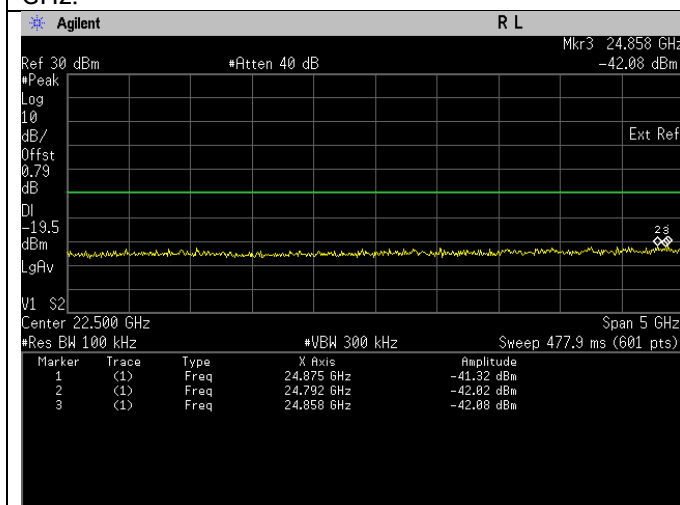
Frequency 2412 MHz. Emission Level, 5 GHz -> 10 GHz.



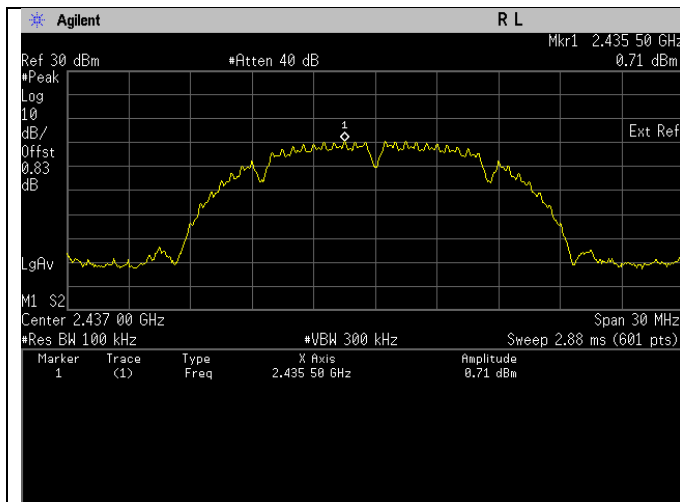
Frequency 2412 MHz. Emission Level, 10 GHz -> 15 GHz.



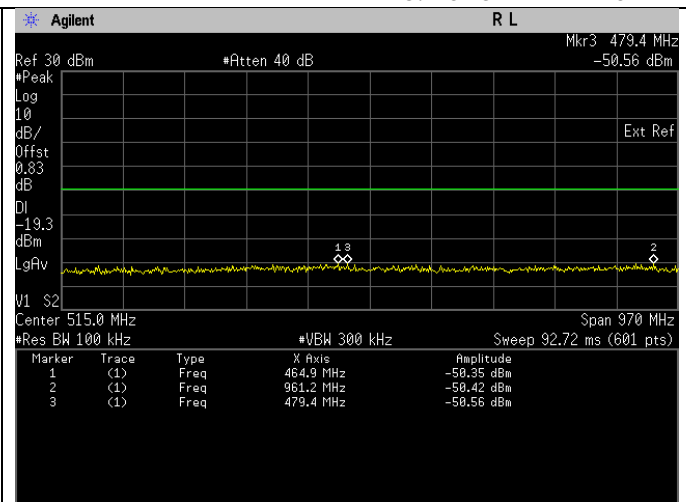
Frequency 2412 MHz. Emission Level, 15 GHz -> 20 GHz.



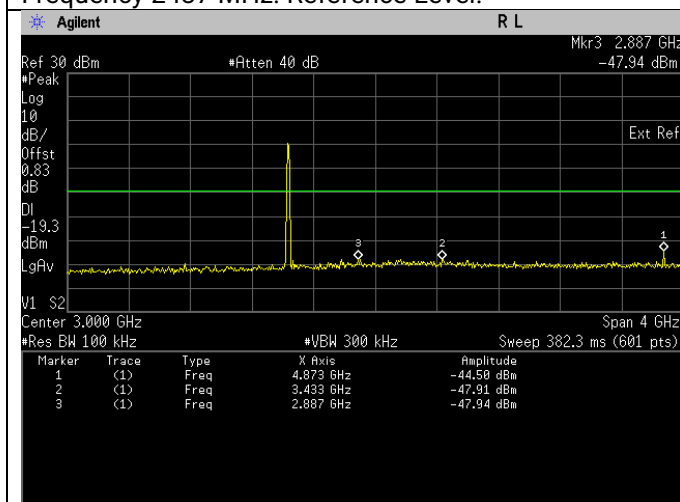
Frequency 2412 MHz Emission Level, 20 GHz -> 25 GHz.



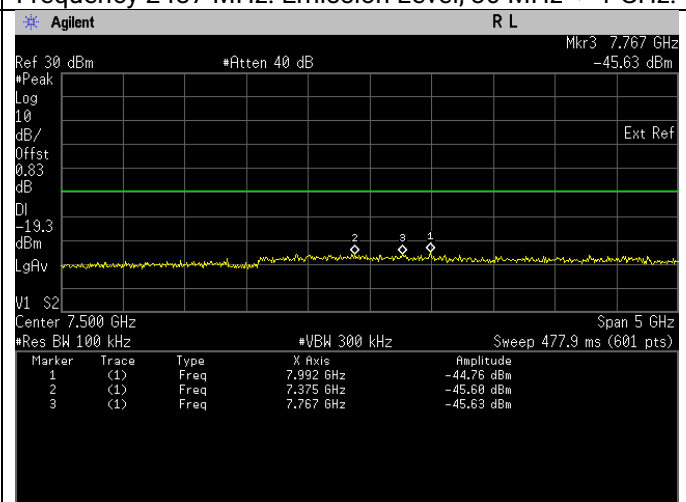
Frequency 2437 MHz. Reference Level.



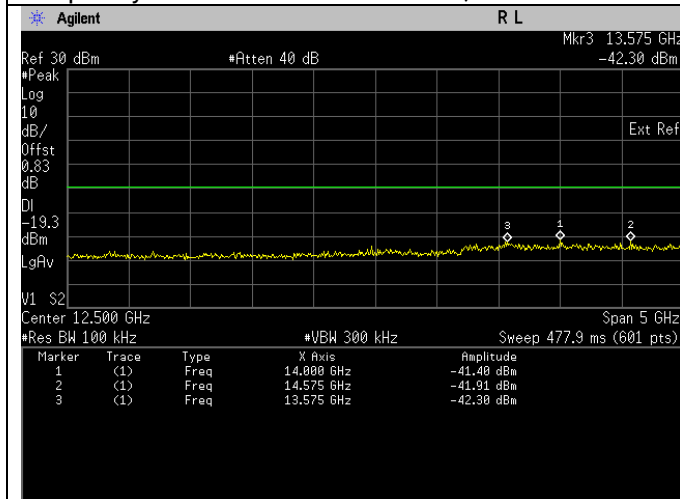
Frequency 2437 MHz. Emission Level, 30 MHz -> 1 GHz.



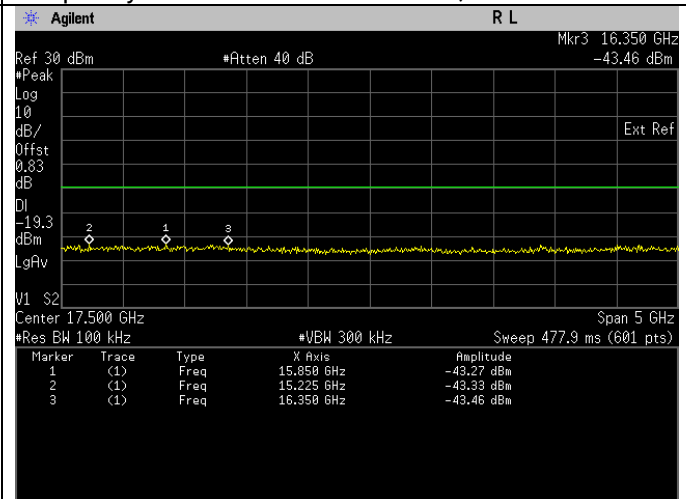
Frequency 2437 MHz. Emission Level, 1 GHz -> 5 GHz.



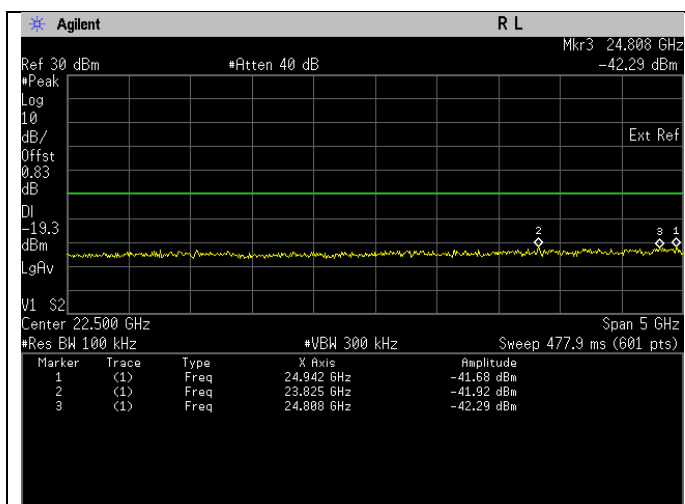
Frequency 2437 MHz. Emission Level, 5 GHz -> 10 GHz.



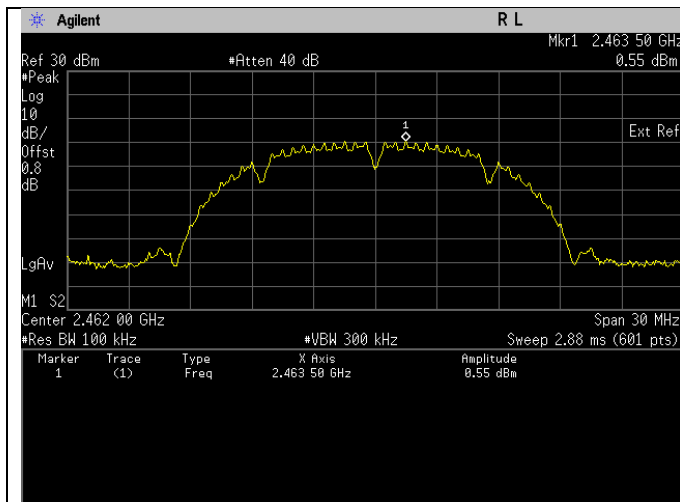
Frequency 2437 MHz. Emission Level, 10 GHz -> 15 GHz.



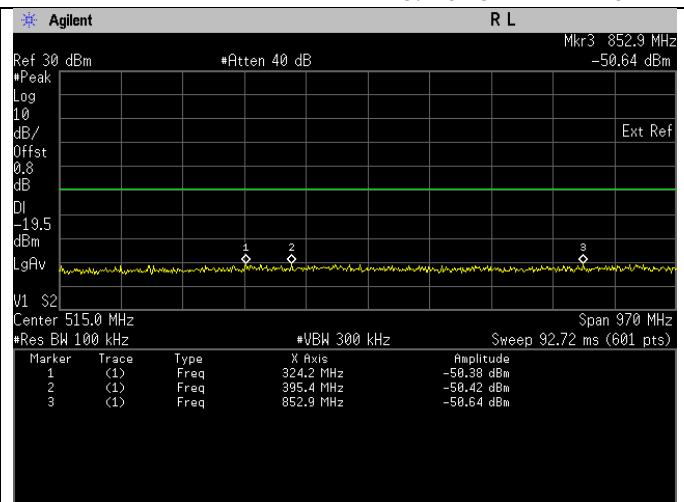
Frequency 2437 MHz. Emission Level, 15 GHz -> 20 GHz.



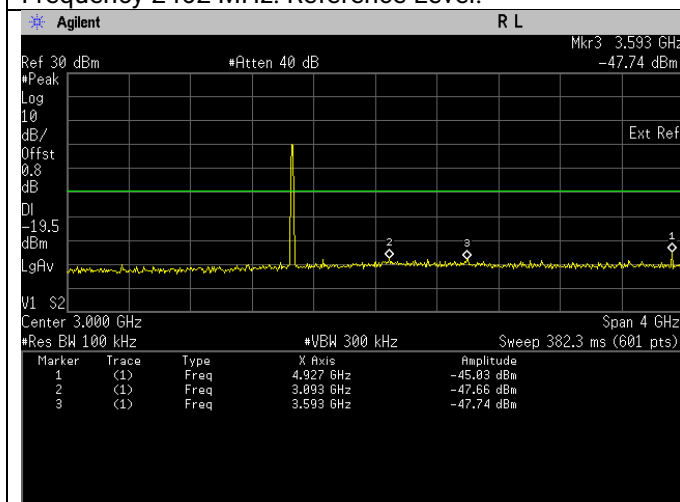
Frequency 2437 MHz Emission Level, 20 GHz -> 25 GHz.



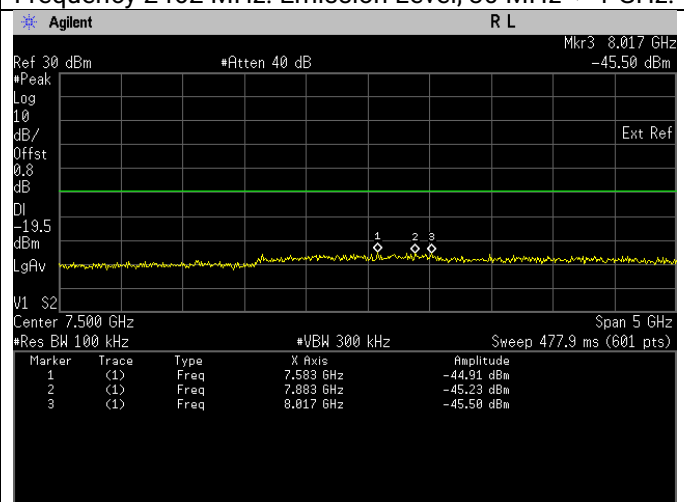
Frequency 2462 MHz. Reference Level.



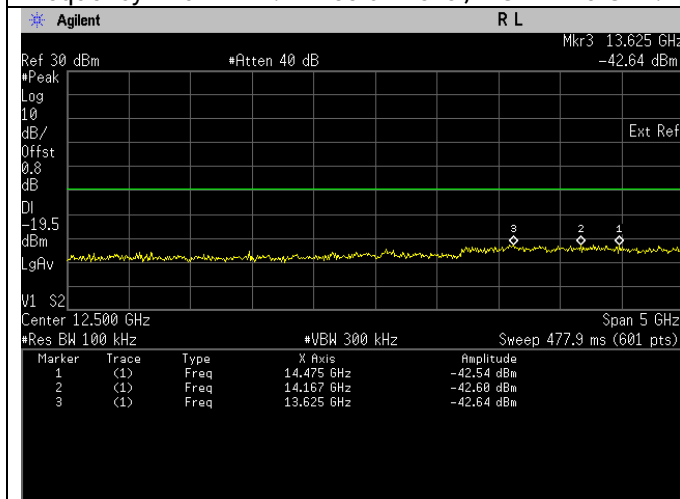
Frequency 2462 MHz. Emission Level, 30 MHz -> 1 GHz.



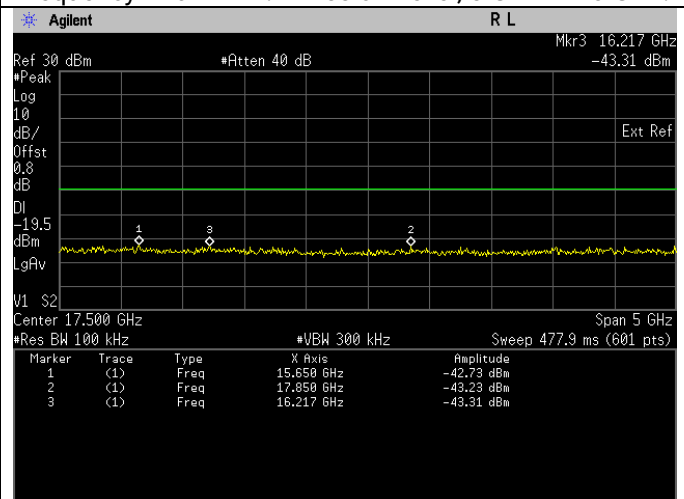
Frequency 2462 MHz. Emission Level, 1 GHz -> 5 GHz.



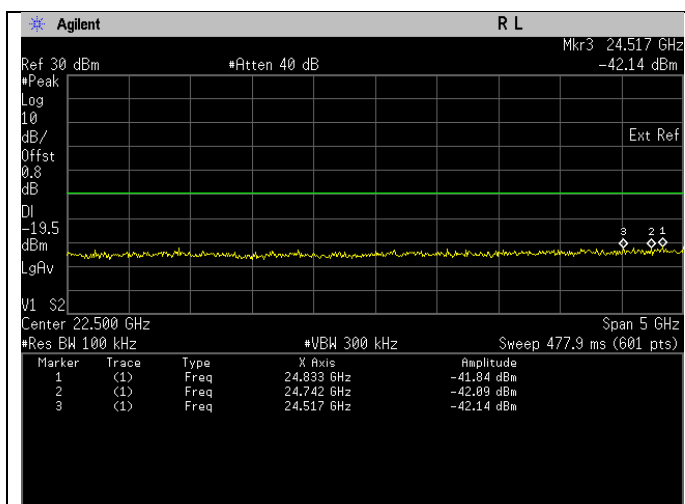
Frequency 2462 MHz. Emission Level, 5 GHz -> 10 GHz.



Frequency 2462 MHz. Emission Level, 10 GHz -> 15 GHz.



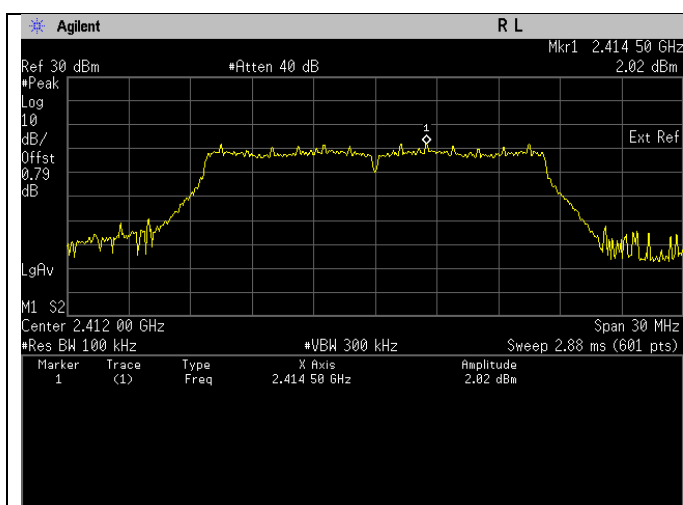
Frequency 2462 MHz. Emission Level, 15 GHz -> 20 GHz.



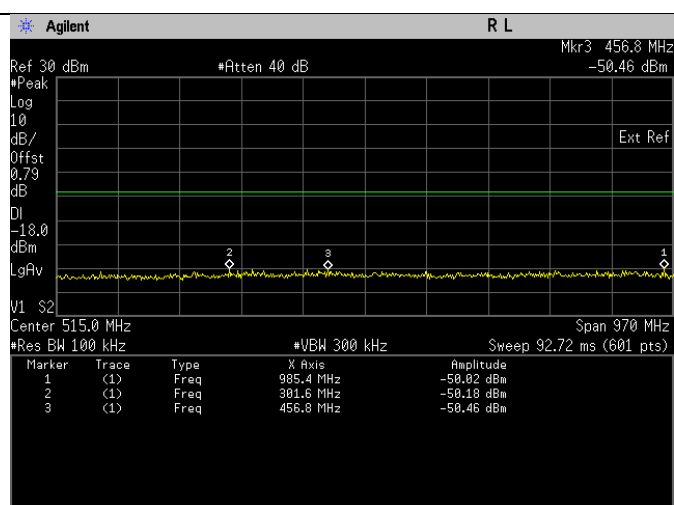
Frequency 2462 MHz Emission Level, 20 GHz -> 25 GHz.

802.11g

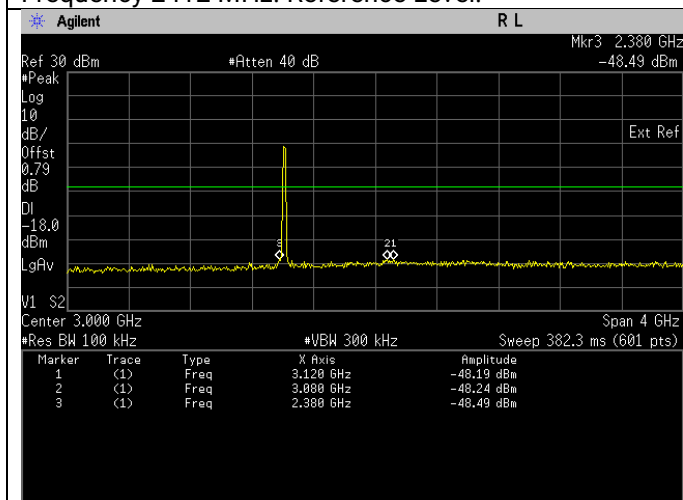
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Spurs (MHz)	Level (dBm)	Status
802.11g	OFDM	BPSK	6	2412	14758.000	-42.06	Pass
					14808.000	-42.20	Pass
					16233.000	-42.42	Pass
802.11g	OFDM	BPSK	6	2437	13833.000	-41.67	Pass
					23917.000	-41.77	Pass
					24192.000	-41.91	Pass
802.11g	OFDM	BPSK	6	2462	23108.000	-41.74	Pass
					24183.000	-41.76	Pass
					20433.000	-41.89	Pass



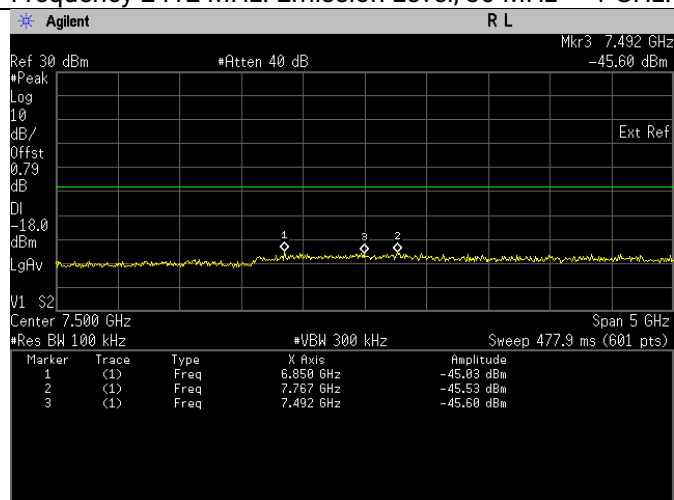
Frequency 2412 MHz. Reference Level.



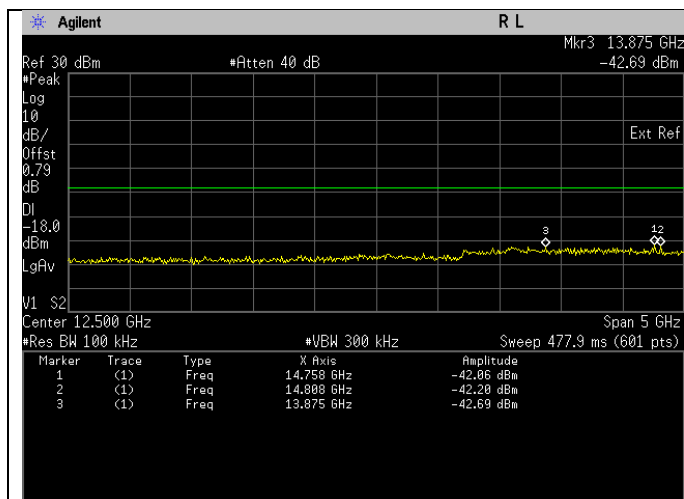
Frequency 2412 MHz. Emission Level, 30 MHz -> 1 GHz.



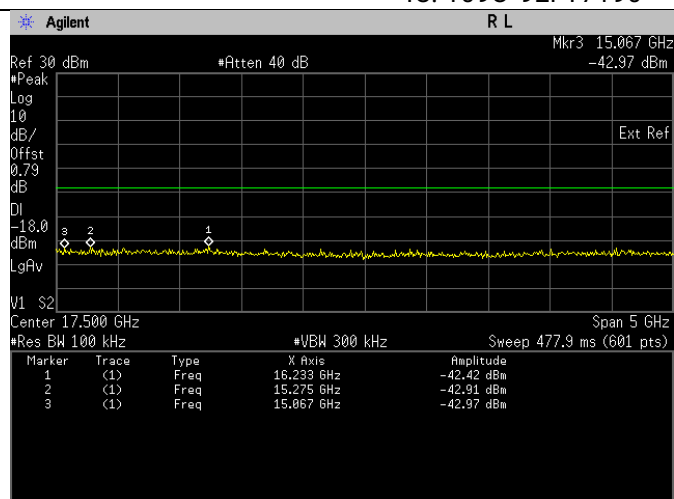
Frequency 2412 MHz. Emission Level, 1 GHz -> 5 GHz.



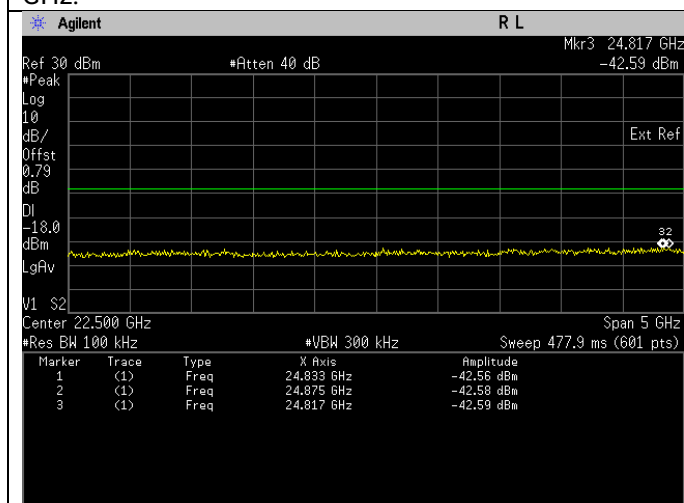
Frequency 2412 MHz. Emission Level, 5 GHz -> 10 GHz.



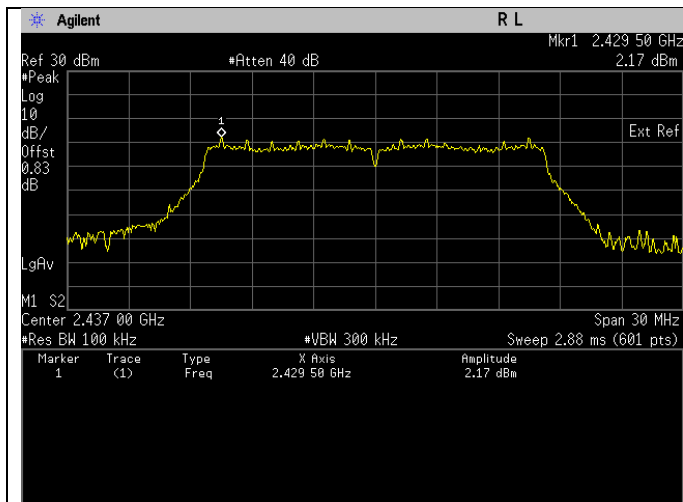
Frequency 2412 MHz. Emission Level, 10 GHz -> 15 GHz.



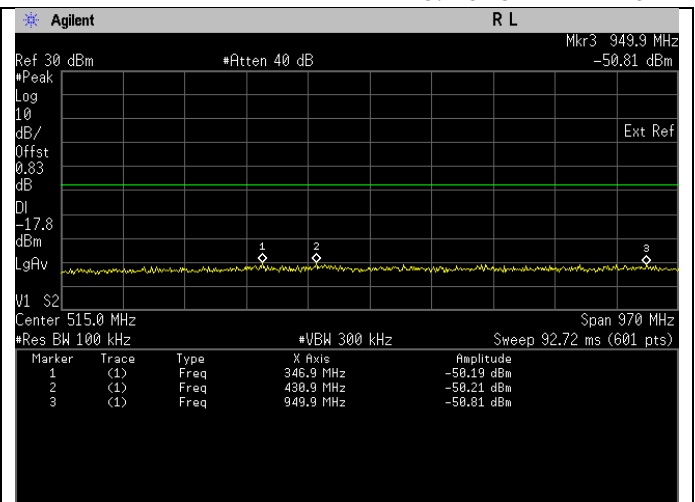
Frequency 2412 MHz. Emission Level, 15 GHz -> 20 GHz.



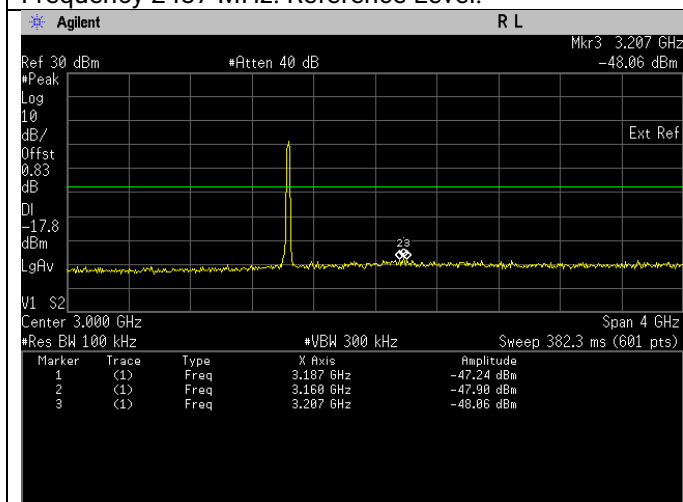
Frequency 2412 MHz Emission Level, 20 GHz -> 25 GHz.



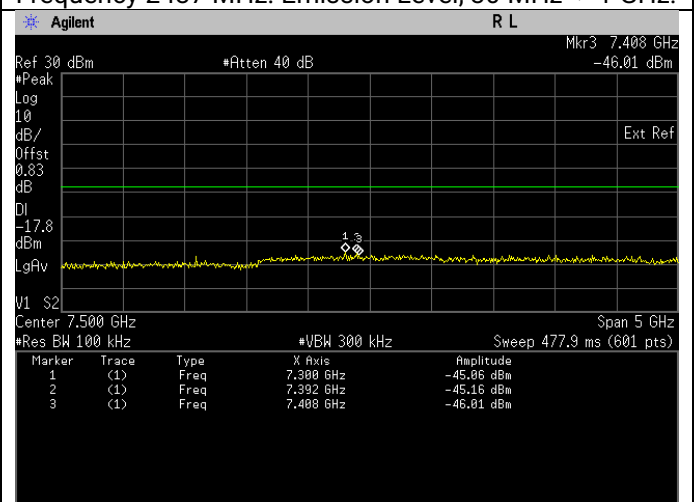
Frequency 2437 MHz. Reference Level.



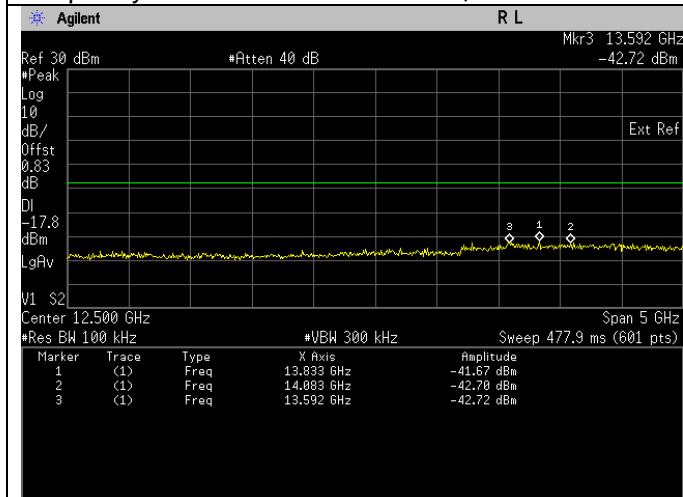
Frequency 2437 MHz. Emission Level, 30 MHz -> 1 GHz.



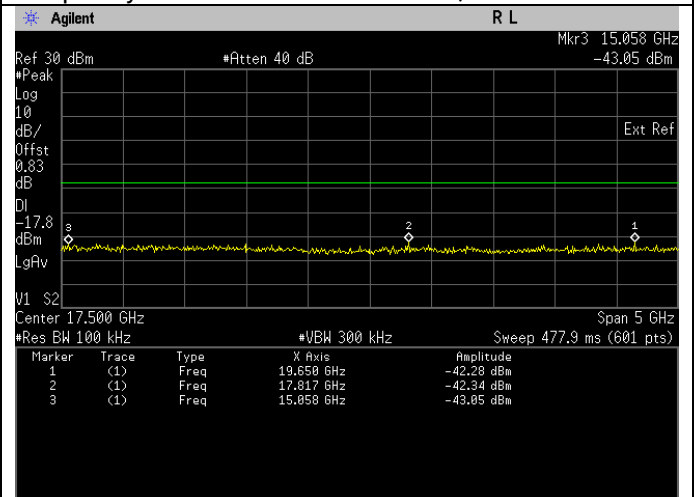
Frequency 2437 MHz. Emission Level, 1 GHz -> 5 GHz.



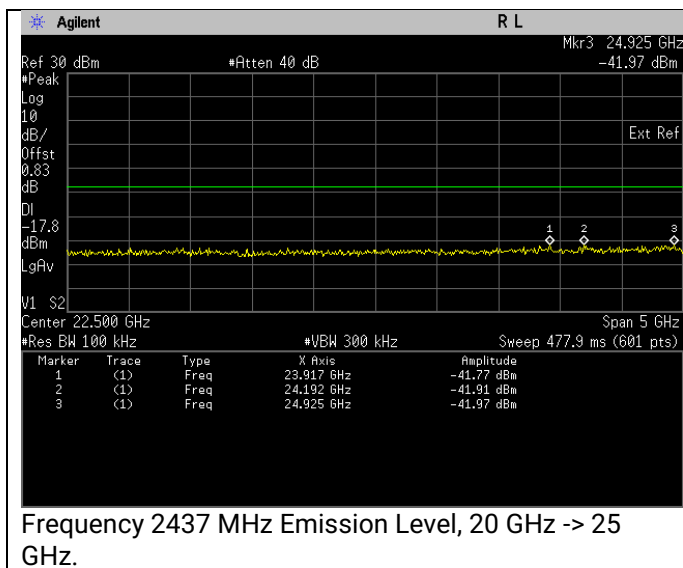
Frequency 2437 MHz. Emission Level, 5 GHz -> 10 GHz.

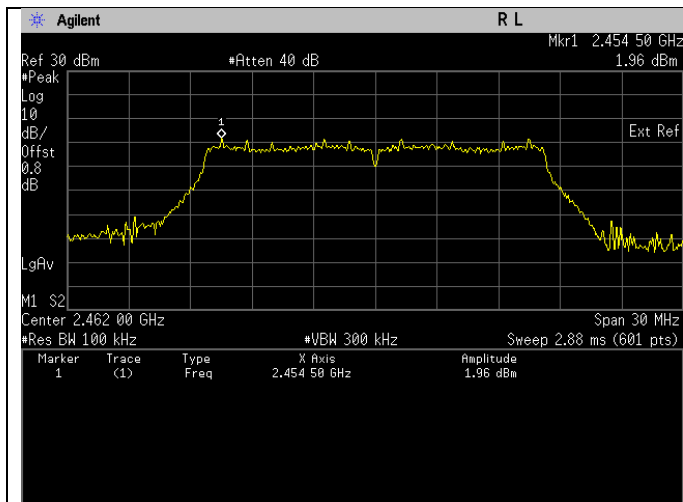


Frequency 2437 MHz. Emission Level, 10 GHz -> 15 GHz.

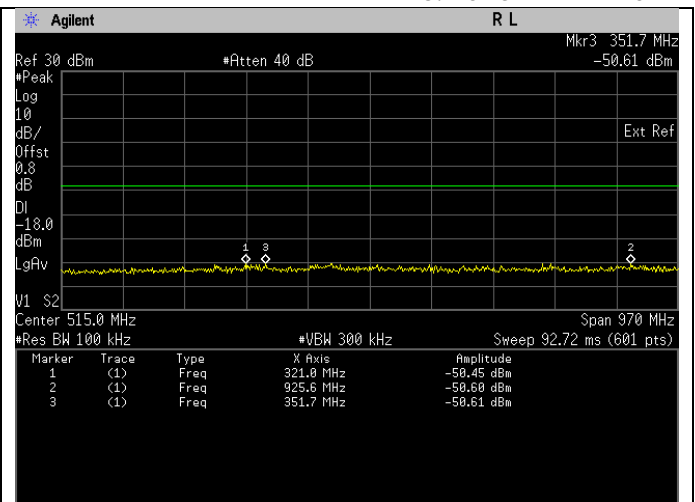


Frequency 2437 MHz. Emission Level, 15 GHz -> 20 GHz.

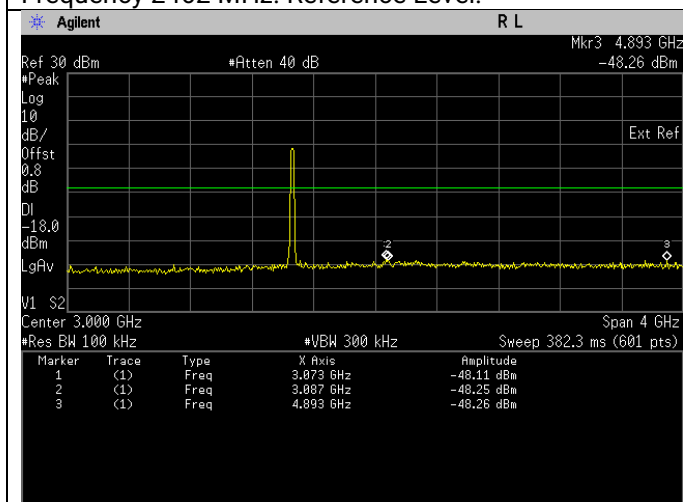




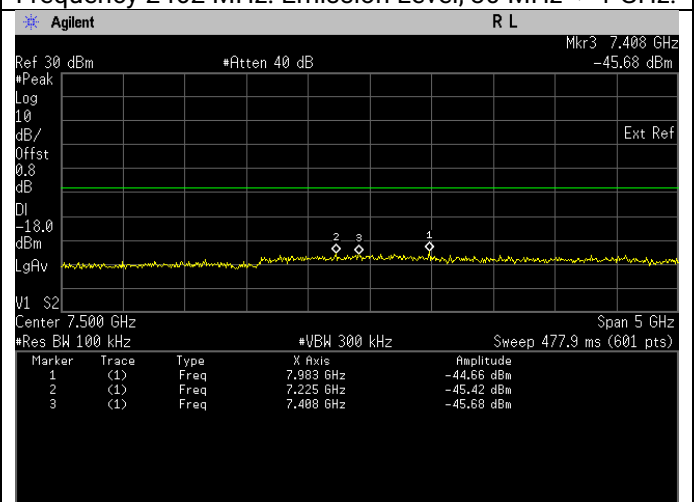
Frequency 2462 MHz. Reference Level.



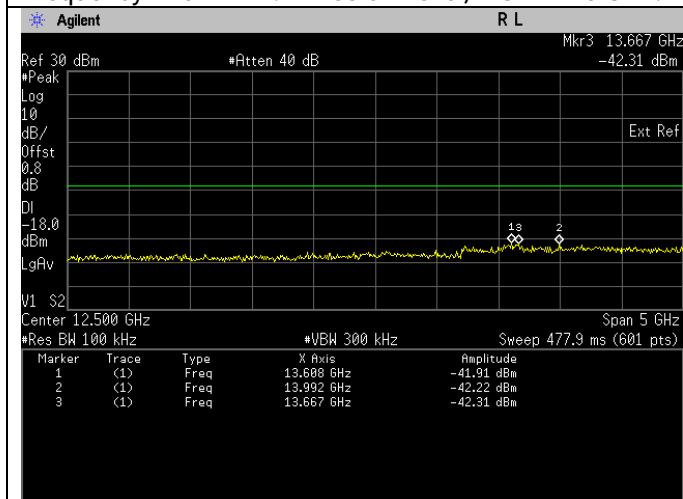
Frequency 2462 MHz. Emission Level, 30 MHz -> 1 GHz.



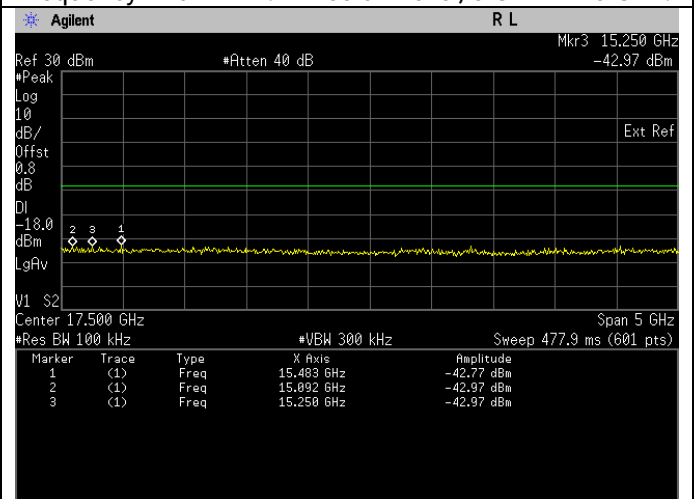
Frequency 2462 MHz. Emission Level, 1 GHz -> 5 GHz.



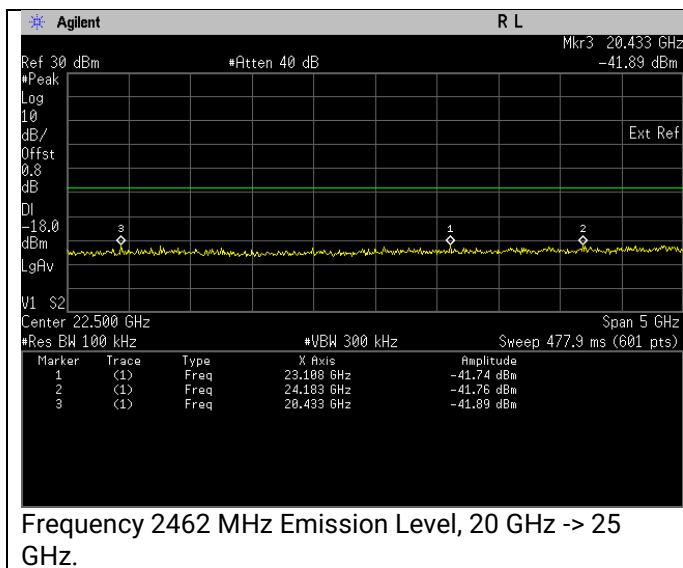
Frequency 2462 MHz. Emission Level, 5 GHz -> 10 GHz.



Frequency 2462 MHz. Emission Level, 10 GHz -> 15 GHz.

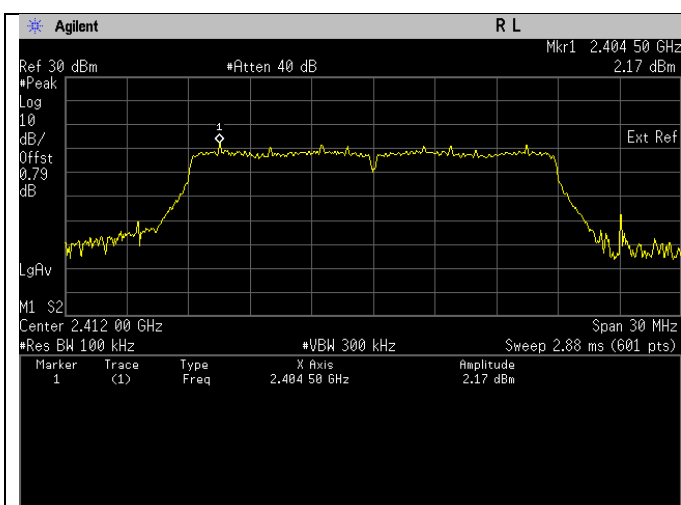


Frequency 2462 MHz. Emission Level, 15 GHz -> 20 GHz.

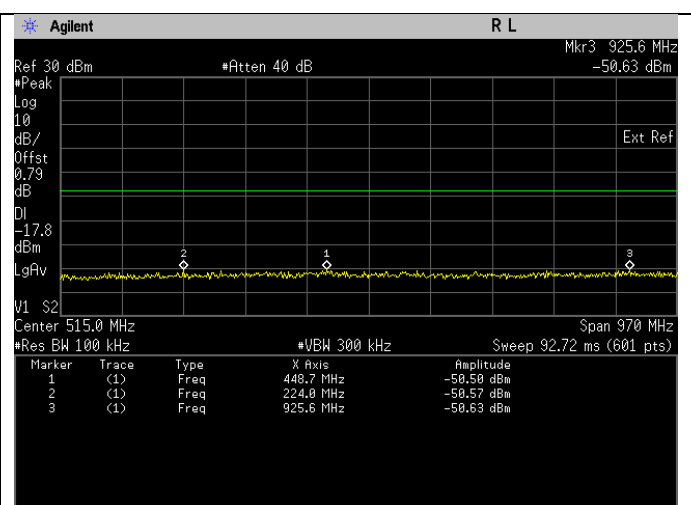


802.11n (HT20)

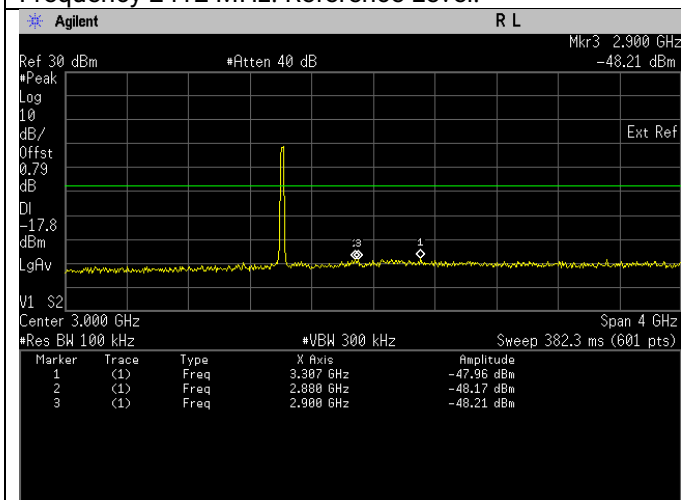
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Spurs (MHz)	Level (dBm)	Status
802.11n	OFDM	BPSK	6.5	2412	24242.000	-41.63	Pass
					24808.000	-41.81	Pass
					24950.000	-42.04	Pass
802.11n	OFDM	BPSK	6.5	2437	24808.000	-40.77	Pass
					24917.000	-41.83	Pass
					24192.000	-41.93	Pass
802.11n	OFDM	BPSK	6.5	2462	23808.000	-41.66	Pass
					24200.000	-42.10	Pass
					24392.000	-42.31	Pass



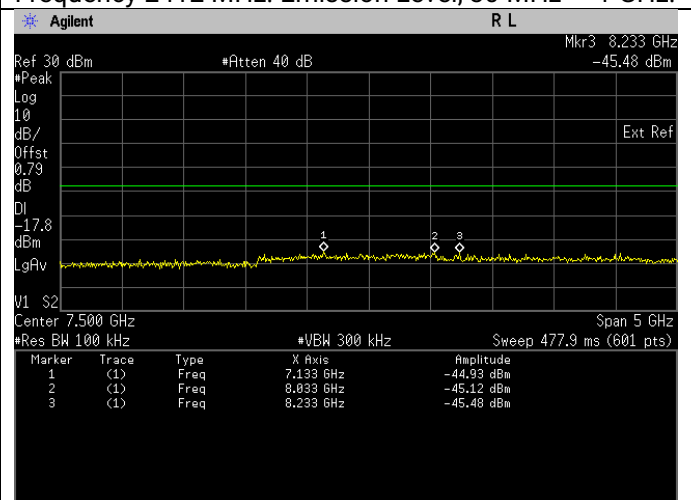
Frequency 2412 MHz. Reference Level.



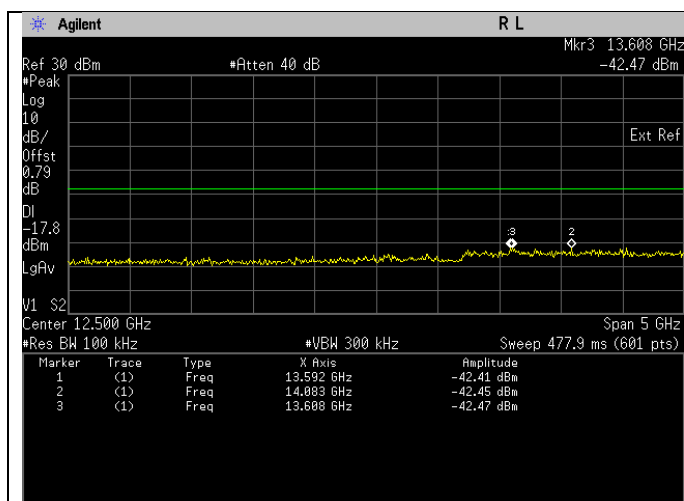
Frequency 2412 MHz. Emission Level, 30 MHz -> 1 GHz.



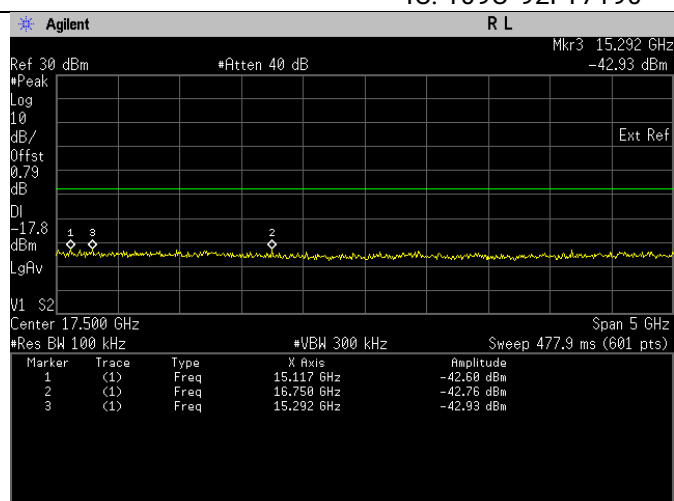
Frequency 2412 MHz. Emission Level, 1 GHz -> 5 GHz.



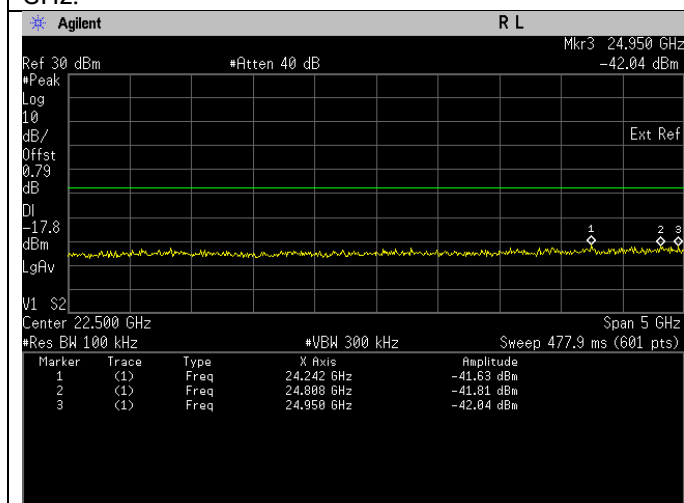
Frequency 2412 MHz. Emission Level, 5 GHz -> 10 GHz.



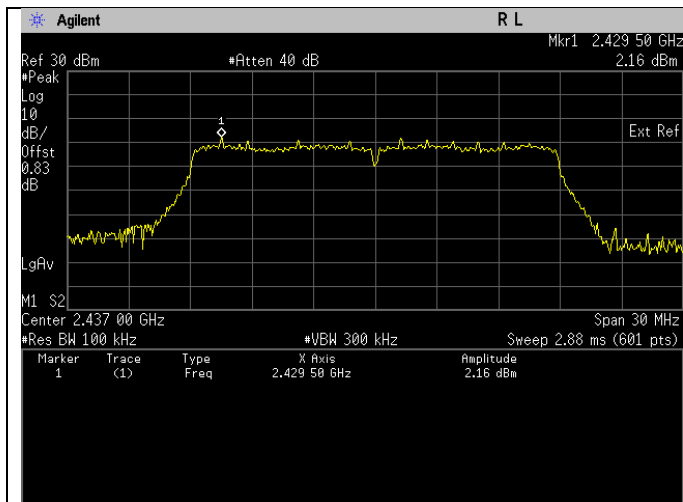
Frequency 2412 MHz. Emission Level, 10 GHz -> 15 GHz.



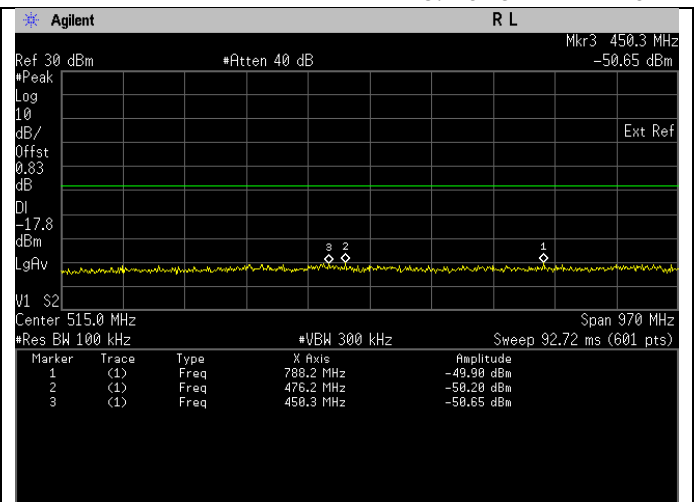
Frequency 2412 MHz. Emission Level, 15 GHz -> 20 GHz.



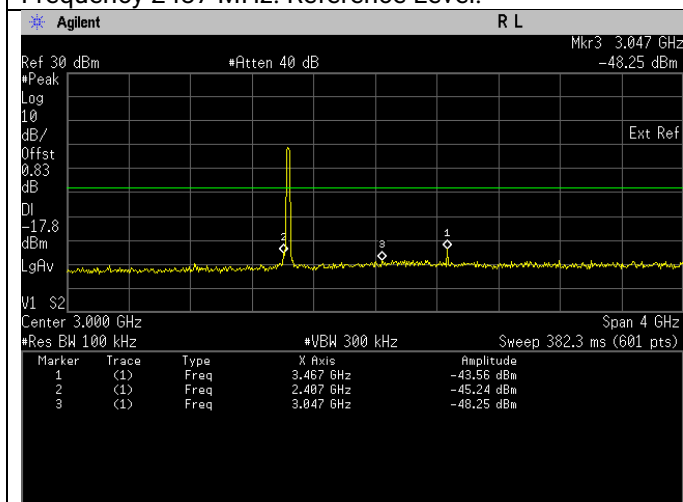
Frequency 2412 MHz Emission Level, 20 GHz -> 25 GHz.



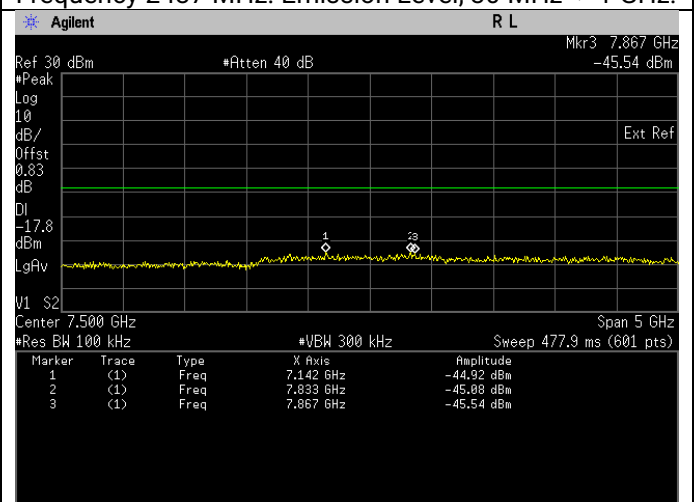
Frequency 2437 MHz. Reference Level.



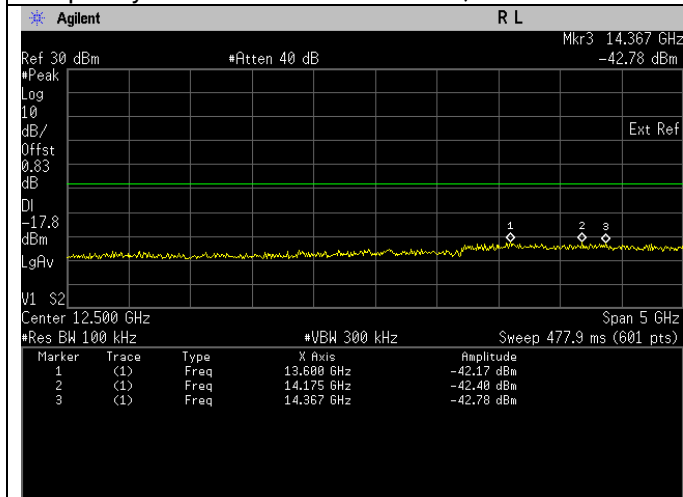
Frequency 2437 MHz. Emission Level, 30 MHz -> 1 GHz.



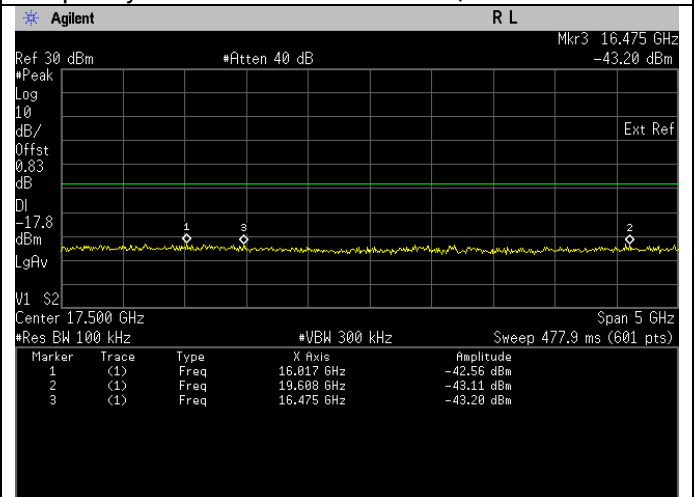
Frequency 2437 MHz. Emission Level, 1 GHz -> 5 GHz.



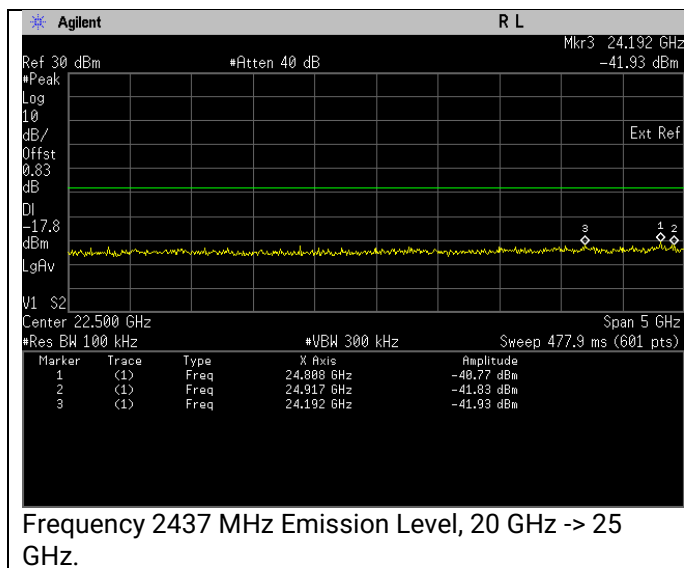
Frequency 2437 MHz. Emission Level, 5 GHz -> 10 GHz.

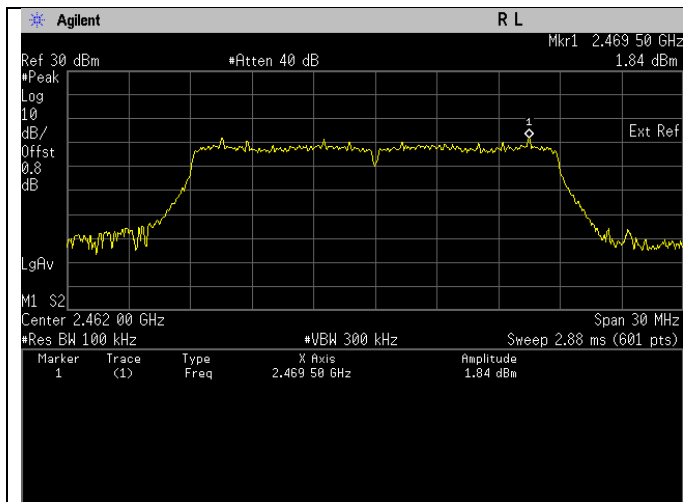


Frequency 2437 MHz. Emission Level, 10 GHz -> 15 GHz.

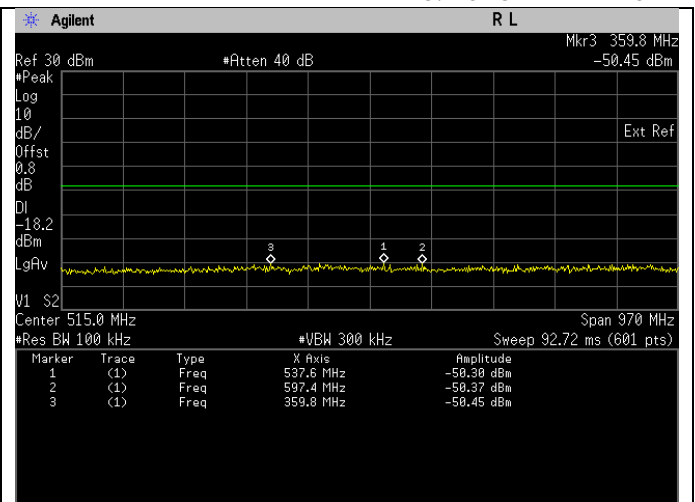


Frequency 2437 MHz. Emission Level, 15 GHz -> 20 GHz.

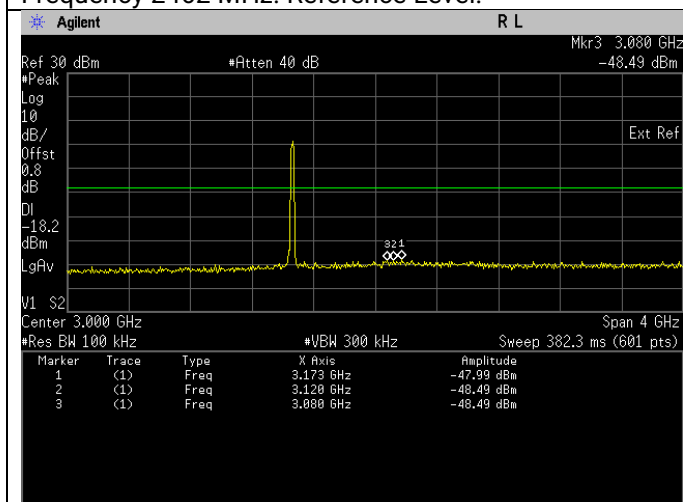




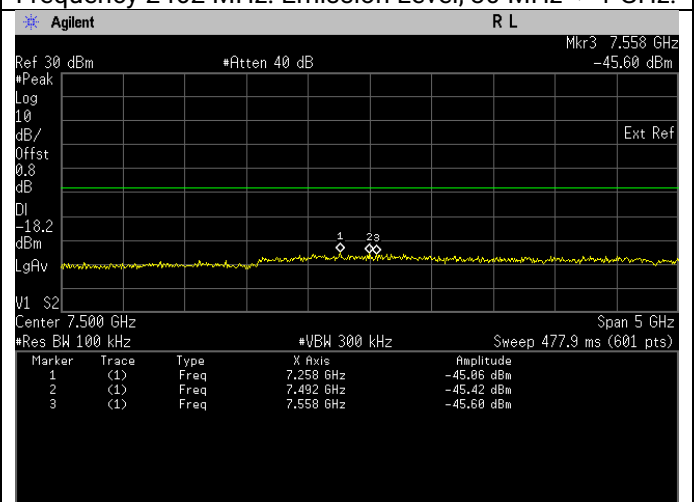
Frequency 2462 MHz. Reference Level.



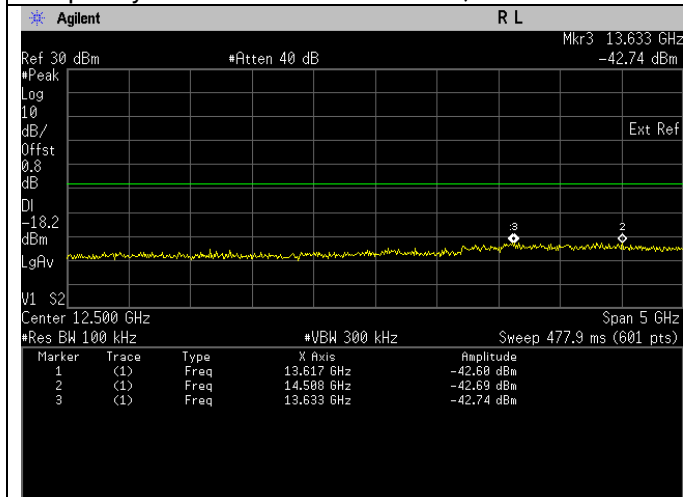
Frequency 2462 MHz. Emission Level, 30 MHz -> 1 GHz.



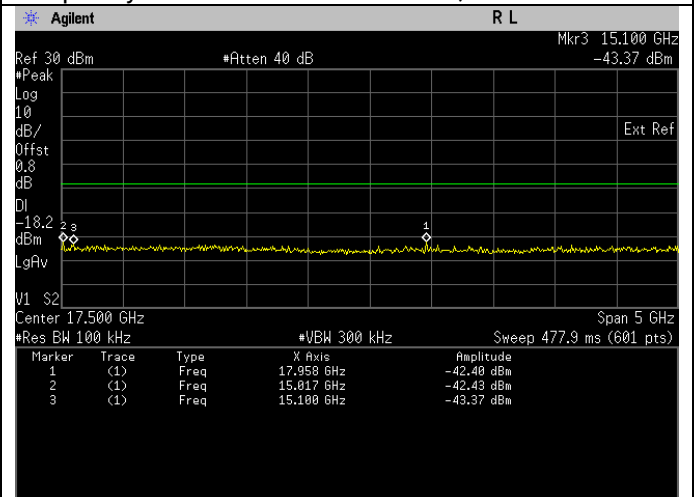
Frequency 2462 MHz. Emission Level, 1 GHz -> 5 GHz.



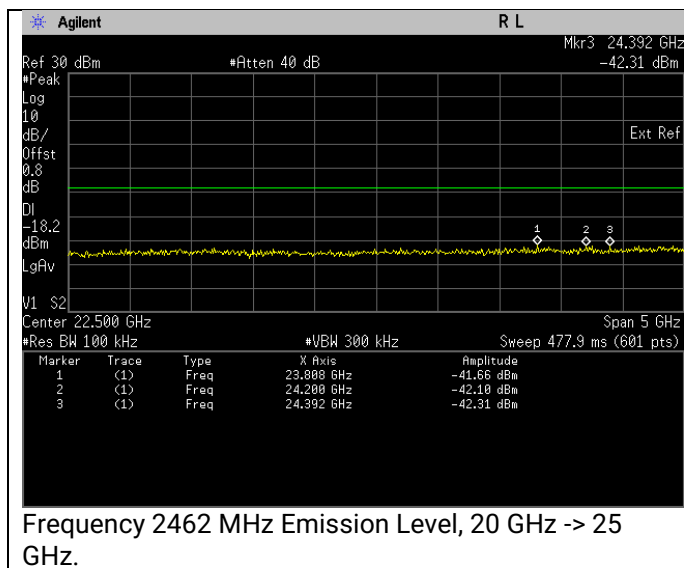
Frequency 2462 MHz. Emission Level, 5 GHz -> 10 GHz.



Frequency 2462 MHz. Emission Level, 10 GHz -> 15 GHz.

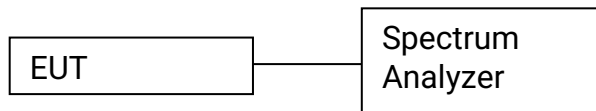


Frequency 2462 MHz. Emission Level, 15 GHz -> 20 GHz.



5.6. Band edge Conducted Spurious Emission

5.6.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. Detector mode = Peak
 - d. Trace = Max Hold
 - e. Sweep = auto
- e) Use the peak marker function to measure highest emission.
- f) Measure every antenna port by repeat the step above for MIMO measurement.

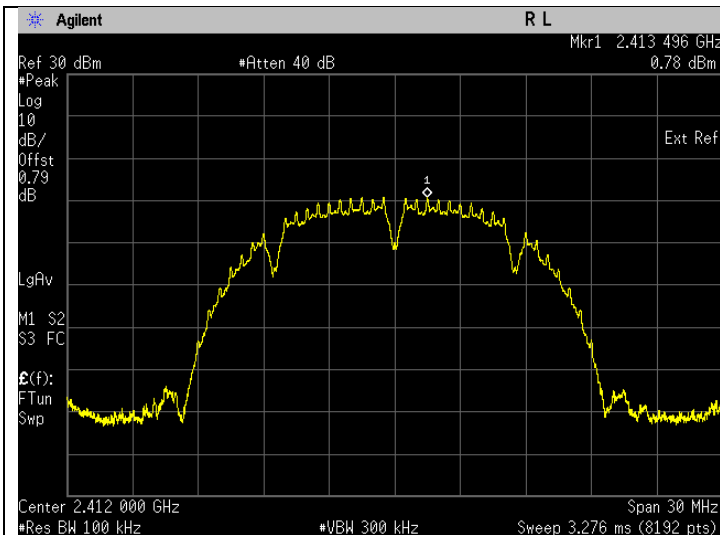
5.6.2. Test Limits:

Normal Condition (25 ° C)
Shall be at least 20 dB below max power. (Peak detector)

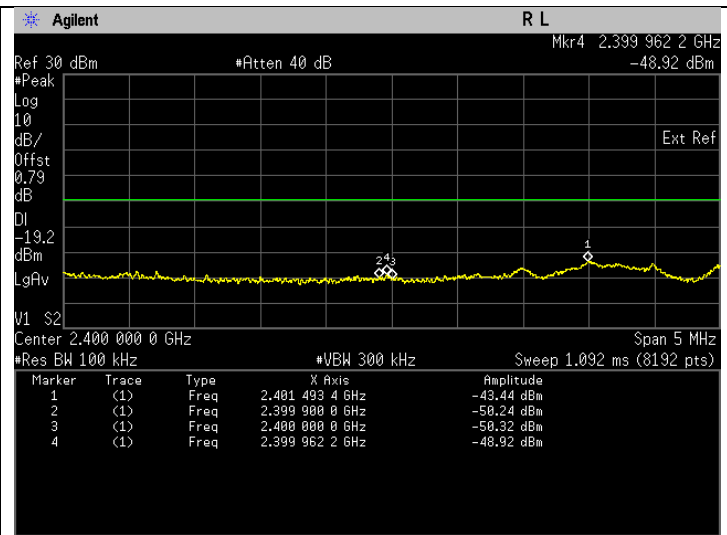
5.6.3. Test Result

802.11b

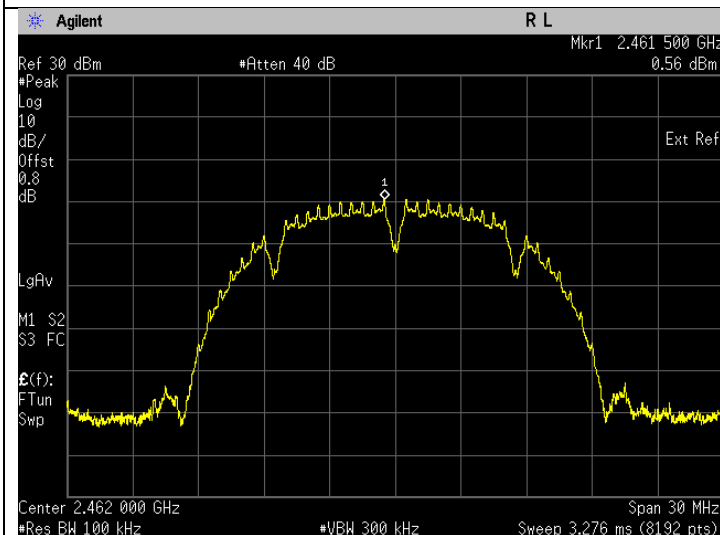
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Frequencies (MHz)	Power (dBm)	Status
802.11b	DSSS	BPSK	1	2412	2399.96	-48.92	Pass
802.11b	DSSS	BPSK	1	2462	2483.51	-49.80	Pass



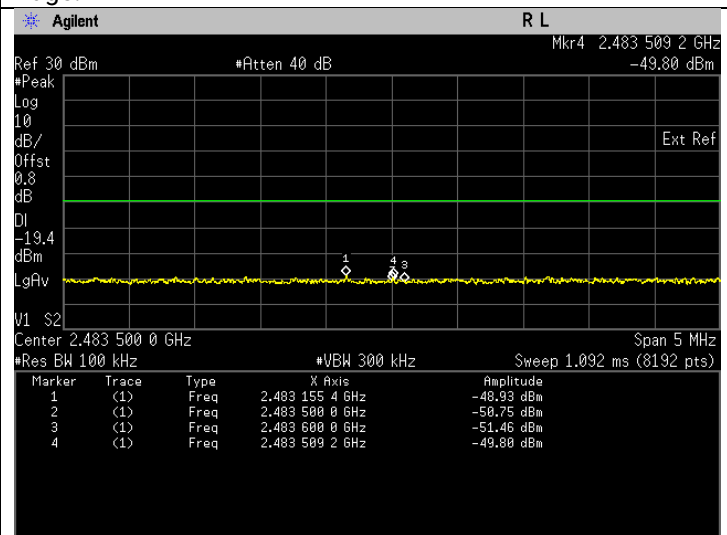
Band Edge (Peak). 802.11b Frequency 2412 MHz Reference Level.



Band Edge (Peak). 802.11b Frequency 2412 MHz Band Edge.



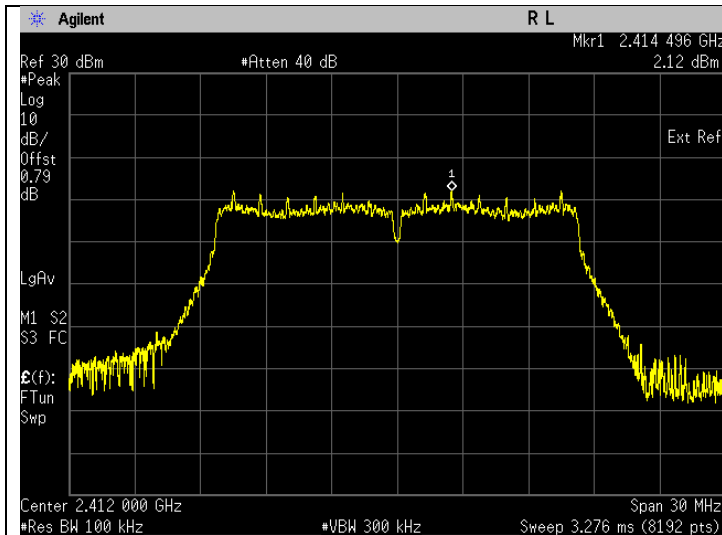
Band Edge (Peak). 802.11b Frequency 2462 MHz Reference Level.



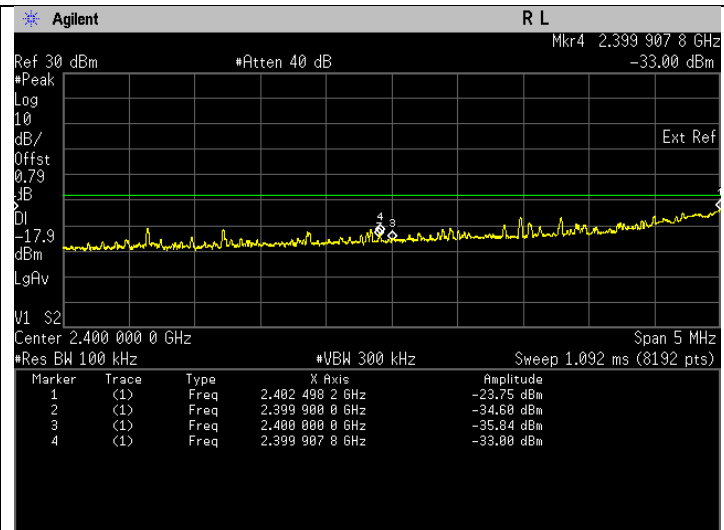
Band Edge (Peak). 802.11b Frequency 2462 MHz Band Edge.

802.11g

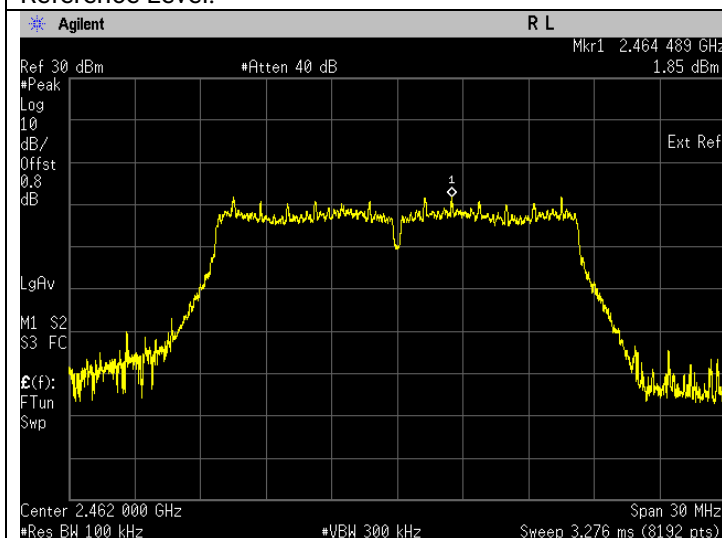
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Frequencies (MHz)	Power (dBm)	Status
802.11g	OFDM	BPSK	6	2412	2399.91	-33.00	Pass
802.11g	OFDM	BPSK	6	2462	2483.53	-45.23	Pass



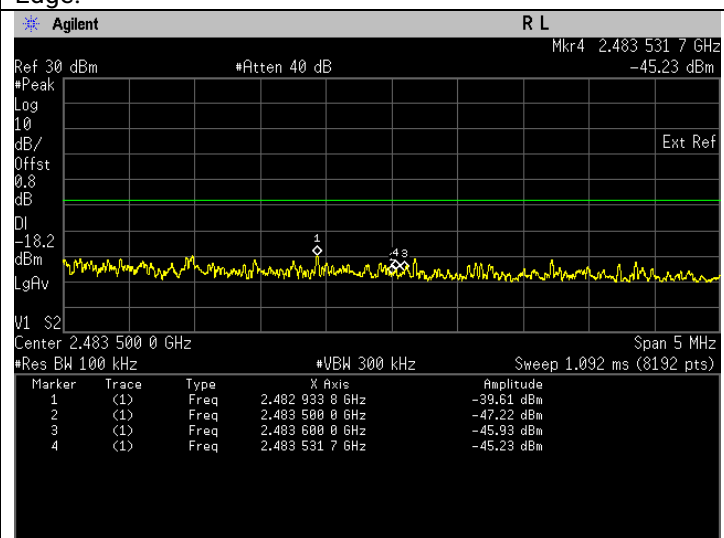
Band Edge (Peak). 802.11g Frequency 2412 MHz Reference Level.



Band Edge (Peak). 802.11g Frequency 2412 MHz Band Edge.



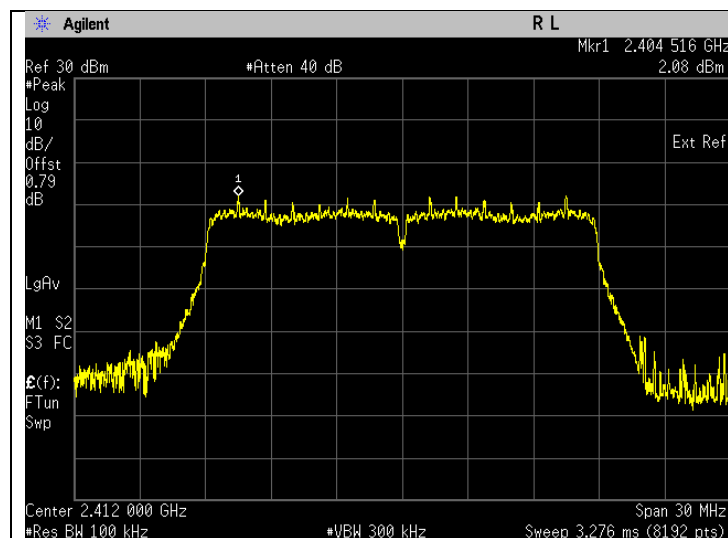
Band Edge (Peak). 802.11g Frequency 2462 MHz Reference Level.



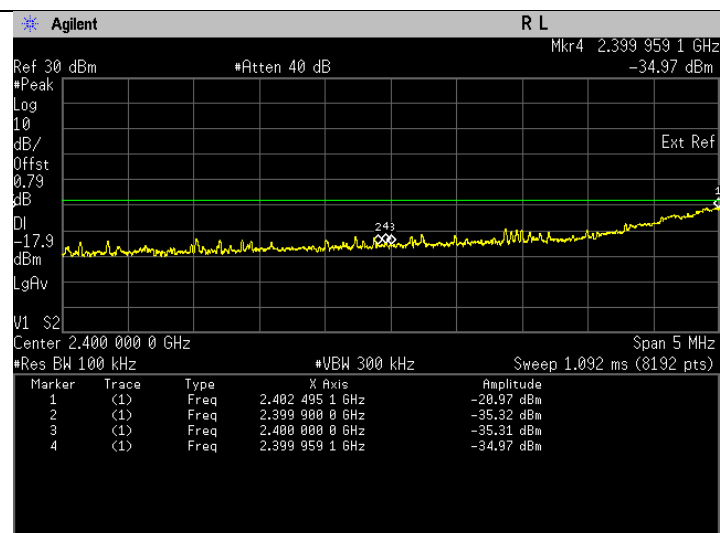
Band Edge (Peak). 802.11g Frequency 2462 MHz Band Edge.

802.11n (HT20)

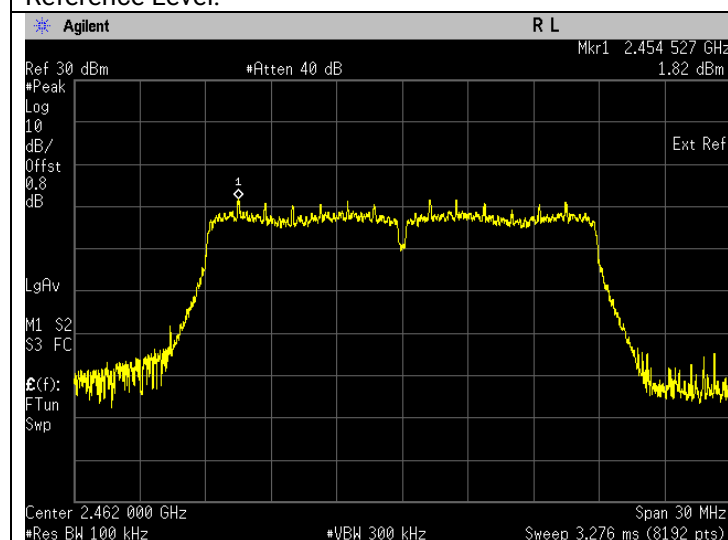
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Frequencies (MHz)	Power (dBm)	Status
802.11n	OFDM	BPSK	6.5	2412	2399.96	-34.97	Pass
802.11n	OFDM	BPSK	6.5	2462	2483.53	-41.58	Pass



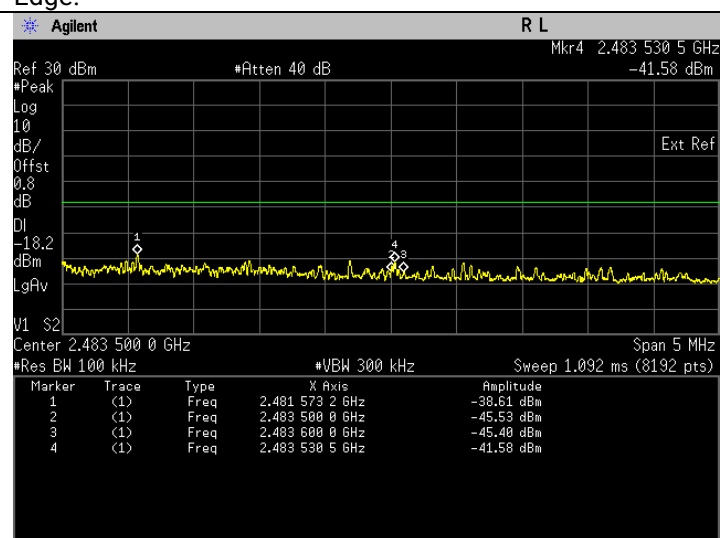
Band Edge (Peak). 802.11n Frequency 2412 MHz
Reference Level.



Band Edge (Peak). 802.11n Frequency 2412 MHz Band
Edge.



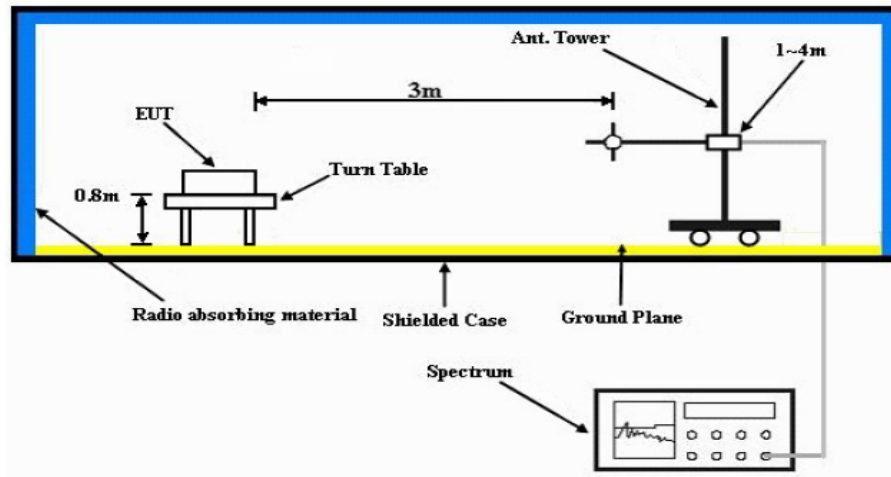
Band Edge (Peak). 802.11n Frequency 2462 MHz
Reference Level.



Band Edge (Peak). 802.11n Frequency 2462 MHz Band
Edge.

5.7. Radiated Emission within restricted Bands

5.7.1. Test Setup



- The EUT is placed on the top of a rotating table 0.8m above the ground (<1GHz) and 1.5m above the ground (>1GHz) at a 3m semi-anechoic chamber. The table is rotated 360 degrees to determine the position of the highest radiation.
- The EUT is set 3m away from the interference-receiving antenna, which is mounted on the top of a variable-height antenna tower.
- The antenna is Bilog/Horn antenna depend on which frequency range uses, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT is arranged to its worst case and then the antenna is tuned to heights from 1m to 4m and the rotatable table is turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode is fall within the range of 10dB from the limit specified, the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Otherwise, the testing could be stopped and the peak values of the EUT would be reported.

NOTE:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection at frequency below 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

5.7.2. Test Limits:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power.

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

NOTE:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

5.7.3. Test Data:

802.11b

SAC TX Restricted Band-edge : 1468N00-EMC-00053

FCC ID :	AZ492FT7190	IC :	109U-92FT7190
Model No :	AAM29QPN9YA1AN	Serial No :	008TCF1848
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01		
Test Mode :	Wifi 2.4 GHz 802.11b	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	2412.0000	Softpot Power :	10.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	Voltage (V) :	120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	2377.7320	49.33 *	74.00	24.67
Horizontal	Peak	2389.6400	50.63 *	74.00	23.37
Vertical	Average	2390.0000	36.41	54.00	17.59
Horizontal	Average	2390.0000	34.92	54.00	19.08
Vertical	Peak	2390.0000	47.11 *	74.00	26.89
Horizontal	Peak	2390.0000	48.37 *	74.00	25.63

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 7 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

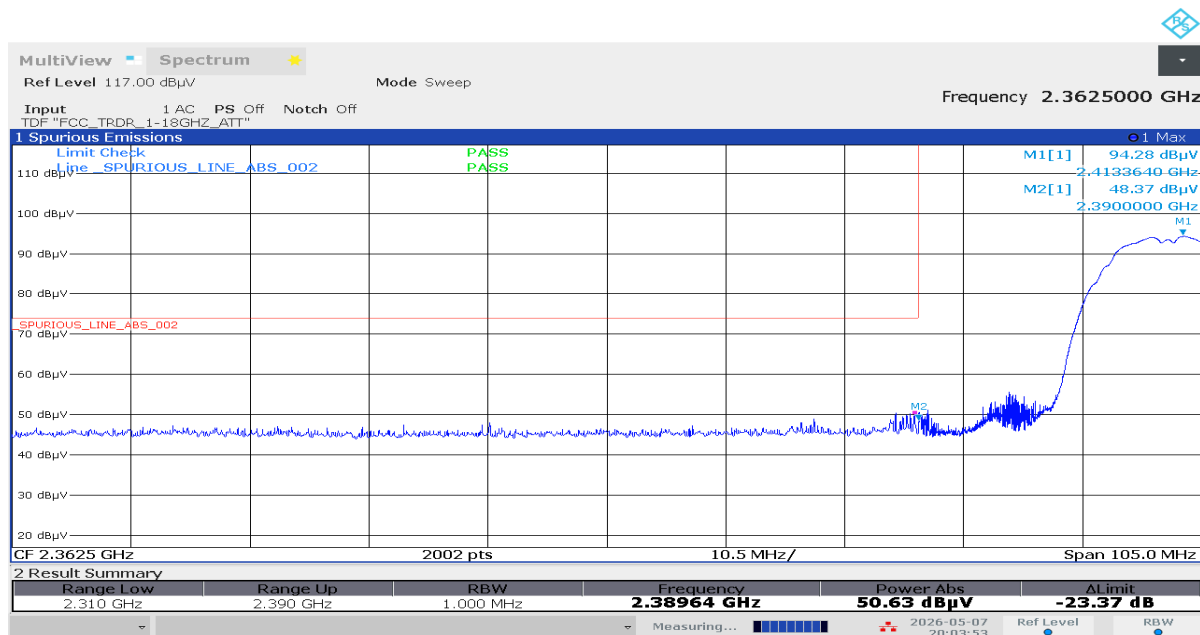
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



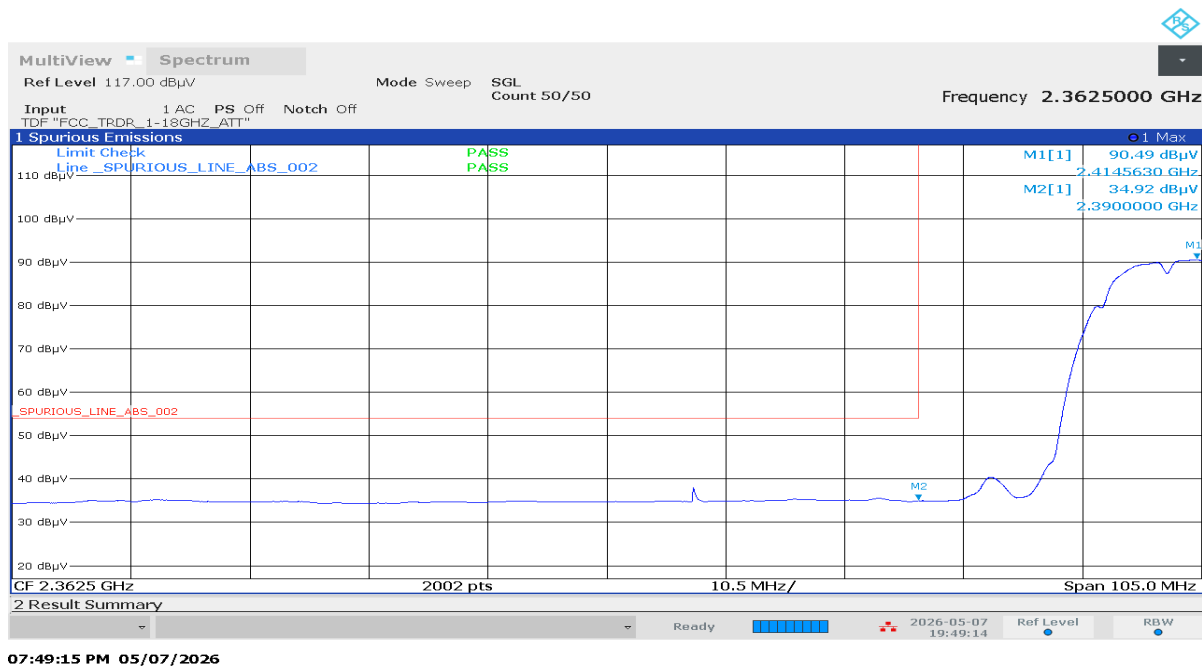
08:03:54 PM 05/07/2026

Restricted Band Edge (Peak,Vertical)

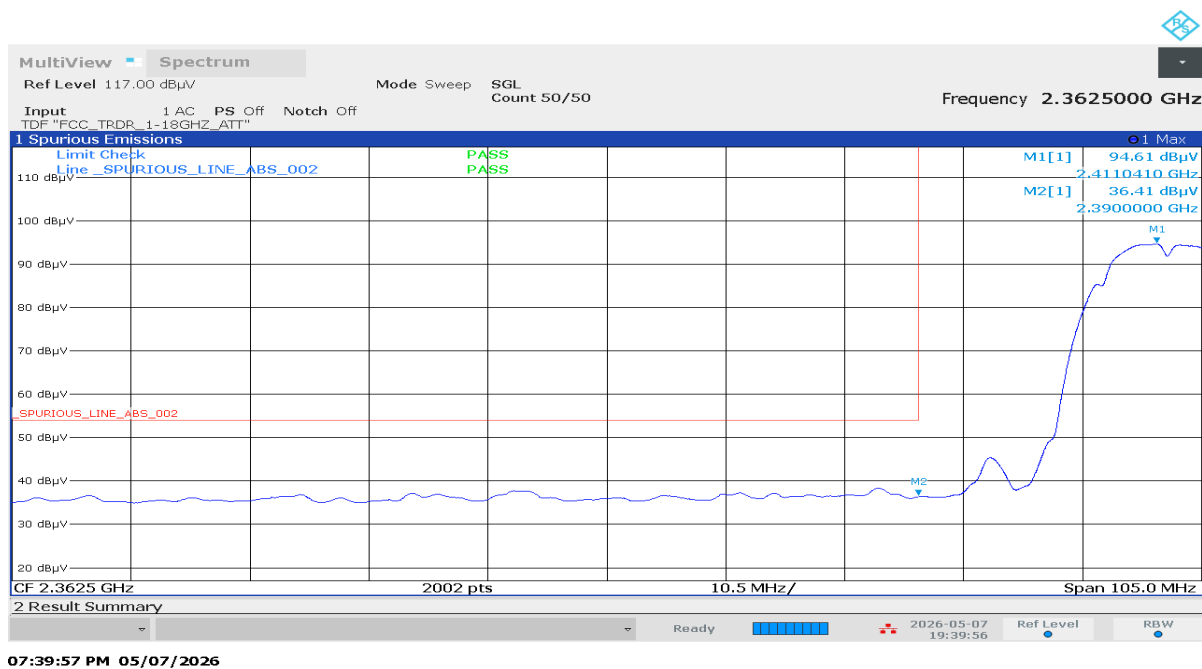


08:00:56 PM 05/07/2026

Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11b Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2462.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	2483.5000	35.51	54.00	18.49
Horizontal	Average	2483.5000	35.29	54.00	18.71
Vertical	Peak	2483.5000	45.16 *	74.00	28.84
Horizontal	Peak	2483.5000	45.04 *	74.00	28.96
Horizontal	Peak	2483.5080	45.04 *	74.00	28.96
Vertical	Peak	2487.5800	51.55 *	74.00	22.45
Horizontal	Peak	2487.9090	49.21 *	74.00	24.79

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Thu, 7 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

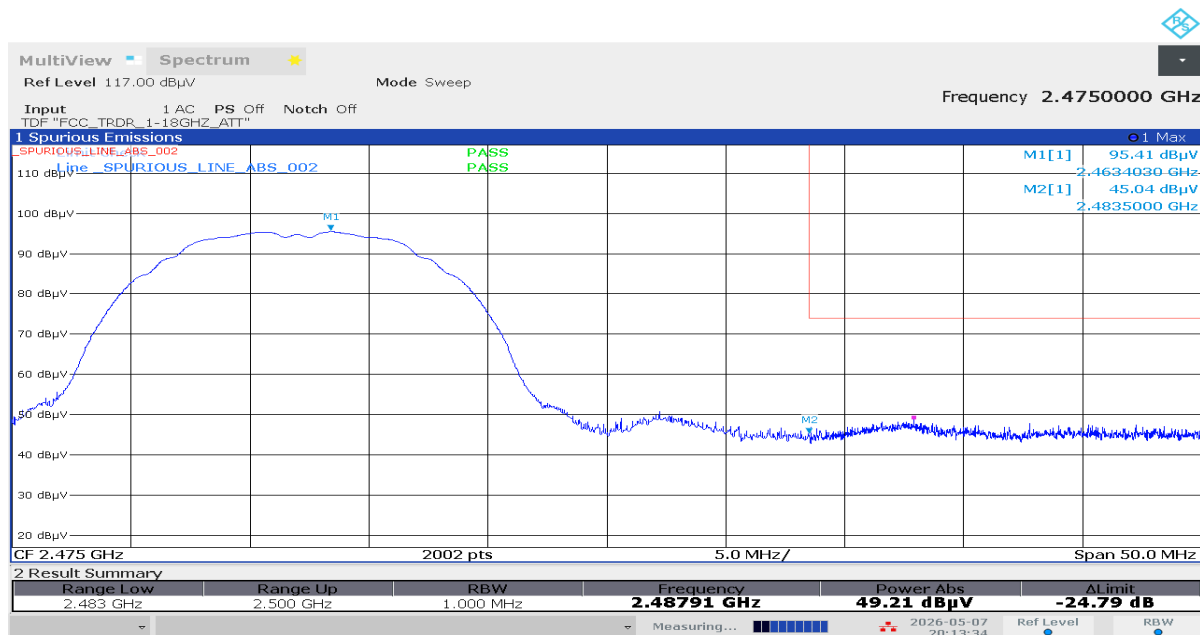
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



08:13:35 PM 05/07/2026

Restricted Band Edge (Peak,Vertical)



08:10:17 PM 05/07/2026

Restricted Band Edge (Average,Horizontal)



08:28:02 PM 05/07/2026

Restricted Band Edge (Average,Vertical)



08:21:41 PM 05/07/2026

802.11g

SAC TX Restricted Band-edge : 1468N00-EMC-00053

FCC ID :	AZ492FT7190	IC :	109U-92FT7190
Model No :	AAM29QPN9YA1AN	Serial No :	008TCF1848
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01		
Test Mode :	Wifi 2.4 GHz 802.11g	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	2412.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	Voltage (V) :	120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	2380.7690	64.21	74.00	9.79
Horizontal	Peak	2381.8080	60.33	74.00	13.67
Vertical	Peak	2382.0480	64.08	74.00	9.92
Vertical	Peak	2383.0070	64.25	74.00	9.75
Horizontal	Peak	2383.8060	60.55	74.00	13.45
Vertical	Peak	2384.3650	64.51	74.00	9.49
Horizontal	Peak	2385.1650	62.10	74.00	11.90
Horizontal	Peak	2385.8040	61.59	74.00	12.41
Vertical	Peak	2386.0440	65.79	74.00	8.21
Horizontal	Peak	2386.2840	62.43	74.00	11.57
Horizontal	Peak	2386.8430	62.64	74.00	11.36
Vertical	Peak	2387.1630	66.37	74.00	7.63
Horizontal	Peak	2387.1630	62.14	74.00	11.86
Vertical	Peak	2387.3230	65.30	74.00	8.70
Horizontal	Peak	2387.4030	62.47	74.00	11.53
Vertical	Peak	2387.4820	66.44	74.00	7.56
Horizontal	Peak	2387.8820	62.66	74.00	11.34
Vertical	Peak	2388.7610	66.62	74.00	7.38
Horizontal	Peak	2389.5600	64.09	74.00	9.91
Vertical	Peak	2389.8800	66.94	74.00	7.06
Vertical	Average	2390.0000	39.85	54.00	14.15
Horizontal	Average	2390.0000	38.51	54.00	15.49
Vertical	Peak	2390.0000	64.81	74.00	9.19
Horizontal	Peak	2390.0000	63.25	74.00	10.75

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Fri, 8 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

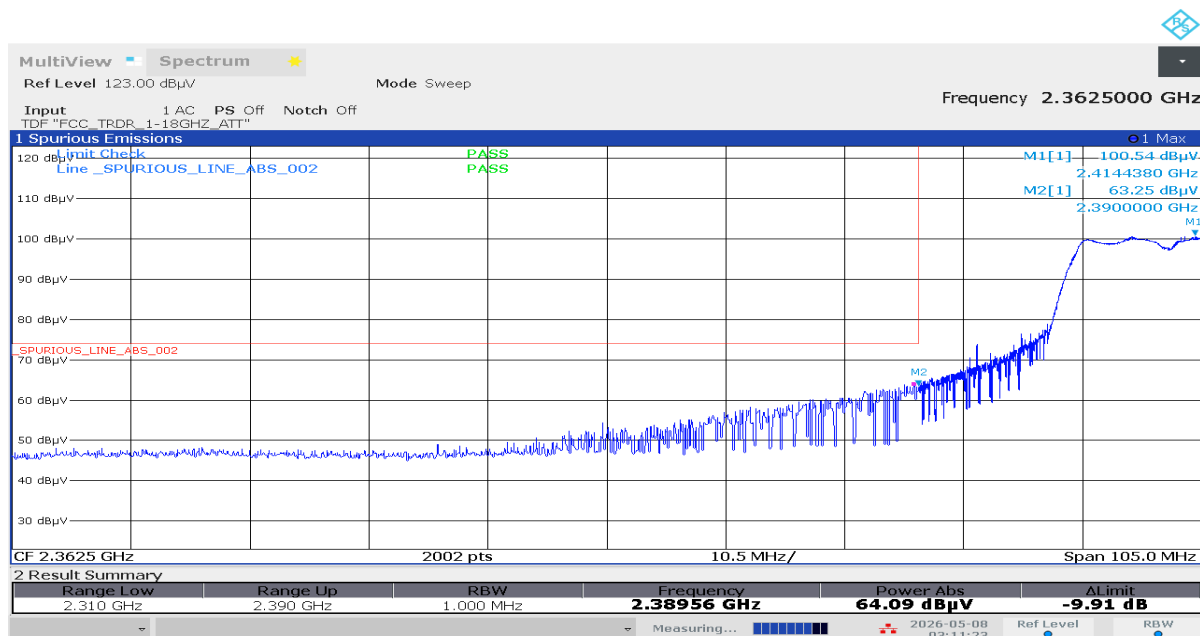
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

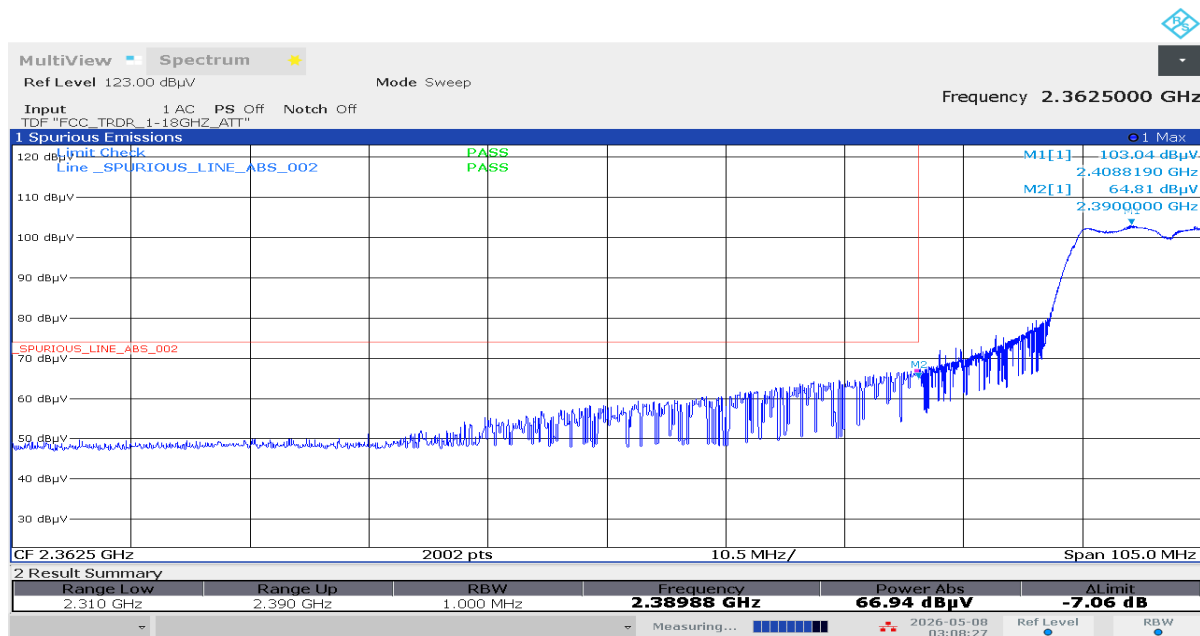
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



03:11:24 AM 05/08/2026

Restricted Band Edge (Peak,Vertical)



03:08:28 AM 05/08/2026

Restricted Band Edge (Average,Horizontal)



03:19:12 AM 05/08/2026

Restricted Band Edge (Average,Vertical)



03:16:04 AM 05/08/2026

SAC TX Restricted Band-edge : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11g Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2462.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Average	2483.5000	41.26	54.00	12.74
Horizontal	Average	2483.5000	40.18	54.00	13.82
Vertical	Peak	2483.5000	58.98	74.00	15.02
Horizontal	Peak	2483.5000	50.25 *	74.00	23.75
Horizontal	Peak	2483.9700	60.73	74.00	13.27
Horizontal	Peak	2484.1670	66.06	74.00	7.94
Vertical	Peak	2484.3330	61.45	74.00	12.55
Horizontal	Peak	2484.4310	60.33	74.00	13.67
Vertical	Peak	2484.5470	61.66	74.00	12.34
Horizontal	Peak	2484.6950	56.06	74.00	17.94
Horizontal	Peak	2484.7610	56.26	74.00	17.74
Horizontal	Peak	2485.1560	57.55	74.00	16.45
Vertical	Peak	2485.9970	62.31	74.00	11.69
Horizontal	Peak	2486.0960	56.05	74.00	17.95
Vertical	Peak	2486.1460	61.78	74.00	12.22
Vertical	Peak	2486.3930	61.54	74.00	12.46
Vertical	Peak	2487.0030	62.86	74.00	11.14
Vertical	Peak	2487.0850	63.82	74.00	10.18
Vertical	Peak	2487.3980	65.69	74.00	8.31
Vertical	Peak	2487.7610	64.40	74.00	9.60
Vertical	Peak	2489.5580	62.05	74.00	11.95
Horizontal	Peak	2493.1350	56.18	74.00	17.82
Horizontal	Peak	2493.5800	56.32	74.00	17.68
Horizontal	Peak	2493.9260	56.04	74.00	17.96

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Fri, 8 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

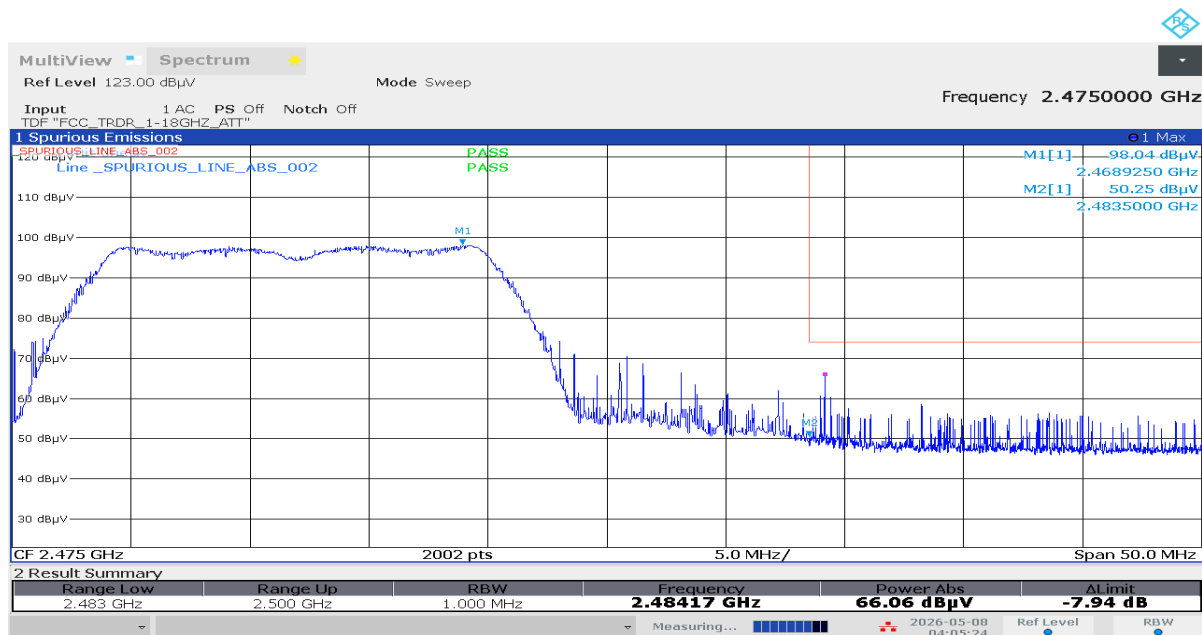
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

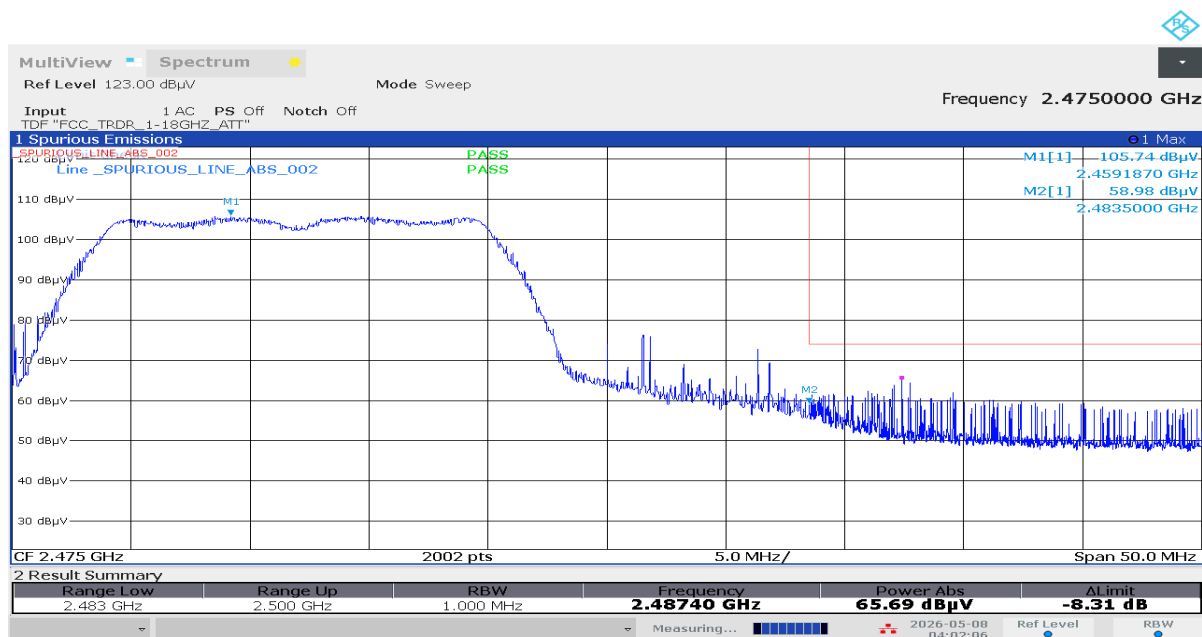
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



04:05:25 AM 05/08/2026

Restricted Band Edge (Peak,Vertical)



04:02:06 AM 05/08/2026

Restricted Band Edge (Average,Horizontal)



03:50:40 AM 05/08/2026

Restricted Band Edge (Average,Vertical)



03:47:30 AM 05/08/2026

802.11n (HT20)

SAC TX Restricted Band-edge : 1468N00-EMC-00053

FCC ID :	AZ492FT7190	IC :	109U-92FT7190
Model No :	AAM29QPN9YA1AN	Serial No :	008TCF1848
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01		
Test Mode :	Wifi 2.4 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	2412.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	Voltage (V) :	120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Horizontal	Peak	2382.4480	57.78	74.00	16.22
Horizontal	Peak	2383.1670	57.95	74.00	16.05
Vertical	Average	2383.4060	46.58	54.00	7.42
Vertical	Peak	2383.4870	63.10	74.00	10.90
Vertical	Peak	2384.2860	62.89	74.00	11.11
Horizontal	Peak	2384.5250	58.50	74.00	15.50
Vertical	Peak	2384.6050	63.04	74.00	10.96
Horizontal	Peak	2384.7650	58.89	74.00	15.11
Vertical	Peak	2385.0050	63.32	74.00	10.68
Horizontal	Peak	2385.4850	58.85	74.00	15.15
Vertical	Peak	2385.5640	64.28	74.00	9.72
Horizontal	Peak	2385.8840	59.35	74.00	14.65
Vertical	Peak	2386.5230	63.98	74.00	10.02
Vertical	Peak	2387.0830	64.23	74.00	9.77
Vertical	Peak	2387.8020	64.16	74.00	9.84
Horizontal	Peak	2388.0420	59.89	74.00	14.11
Vertical	Peak	2388.3620	65.08	74.00	8.92
Horizontal	Peak	2388.4420	60.56	74.00	13.44
Horizontal	Peak	2389.4010	61.59	74.00	12.41
Vertical	Average	2389.8000	44.89	54.00	9.11
Horizontal	Peak	2389.8000	61.25	74.00	12.75
Vertical	Peak	2389.9600	66.16	74.00	7.84
Vertical	Average	2390.0000	43.32	54.00	10.68
Horizontal	Average	2390.0000	38.05	54.00	15.95
Vertical	Peak	2390.0000	65.91	74.00	8.09
Horizontal	Peak	2390.0000	60.91	74.00	13.09

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Fri, 8 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

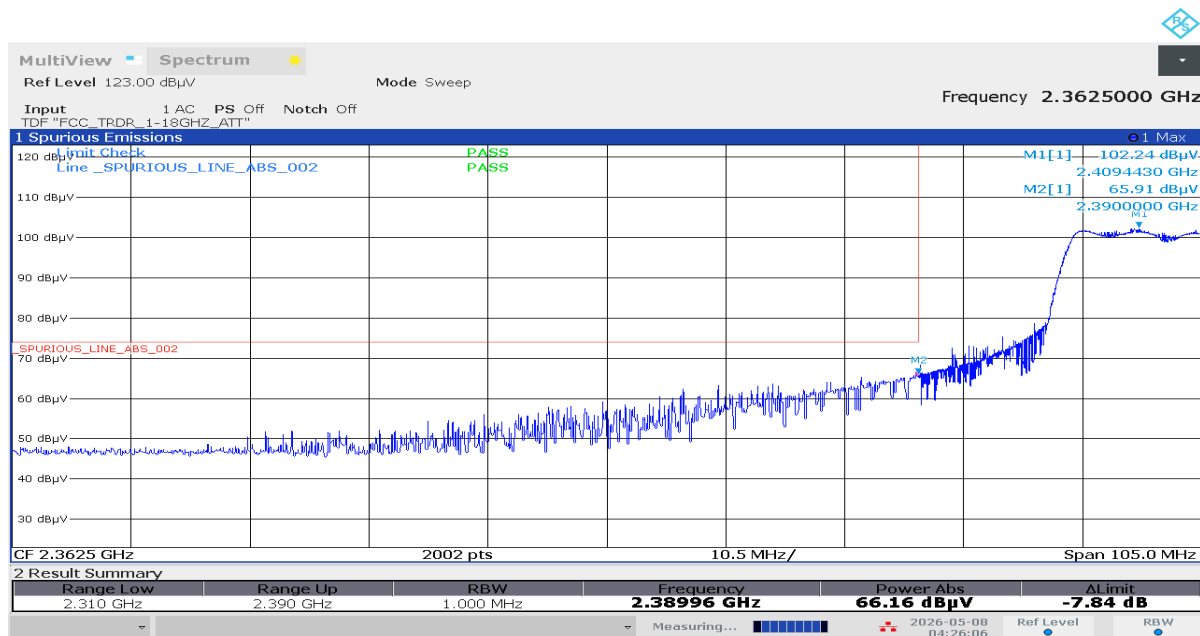
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



04:29:07 AM 05/08/2026

Restricted Band Edge (Peak,Vertical)



04:26:08 AM 05/08/2026

Restricted Band Edge (Average,Horizontal)



04:38:11 AM 05/08/2026

Restricted Band Edge (Average,Vertical)



04:35:08 AM 05/08/2026

SAC TX Restricted Band-edge : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2462.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	2483.5000	42.02	54.00	11.98
Horizontal	Average	2483.5000	41.38	54.00	12.62
Vertical	Peak	2483.5000	50.17 *	74.00	23.83
Horizontal	Peak	2483.5000	52.94 *	74.00	21.06
Vertical	Average	2483.5740	42.02	54.00	11.98
Vertical	Peak	2483.7890	58.77	74.00	15.23
Horizontal	Peak	2483.9530	60.63	74.00	13.37
Horizontal	Peak	2484.4310	56.20	74.00	17.80
Horizontal	Peak	2484.7110	57.01	74.00	16.99
Horizontal	Average	2484.8760	45.81	54.00	8.19
Vertical	Peak	2484.9420	55.25	74.00	18.75
Vertical	Peak	2484.9920	54.98	74.00	19.02
Horizontal	Peak	2485.0080	56.15	74.00	17.85
Vertical	Peak	2485.5190	54.91	74.00	19.09
Horizontal	Peak	2485.6350	54.75	74.00	19.25
Horizontal	Peak	2485.7000	54.95	74.00	19.05
Vertical	Peak	2486.0960	56.23	74.00	17.77
Vertical	Peak	2486.5250	55.54	74.00	18.46
Vertical	Peak	2486.8540	56.50	74.00	17.50
Horizontal	Peak	2488.3210	55.39	74.00	18.61
Vertical	Peak	2488.3540	54.54	74.00	19.46
Vertical	Peak	2488.8160	58.67	74.00	15.33
Horizontal	Peak	2488.9810	55.19	74.00	18.81
Vertical	Peak	2489.4590	54.46	74.00	19.54
Horizontal	Peak	2490.3980	53.50 *	74.00	20.50
Horizontal	Peak	2491.3380	53.62 *	74.00	20.38

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Fri, 8 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

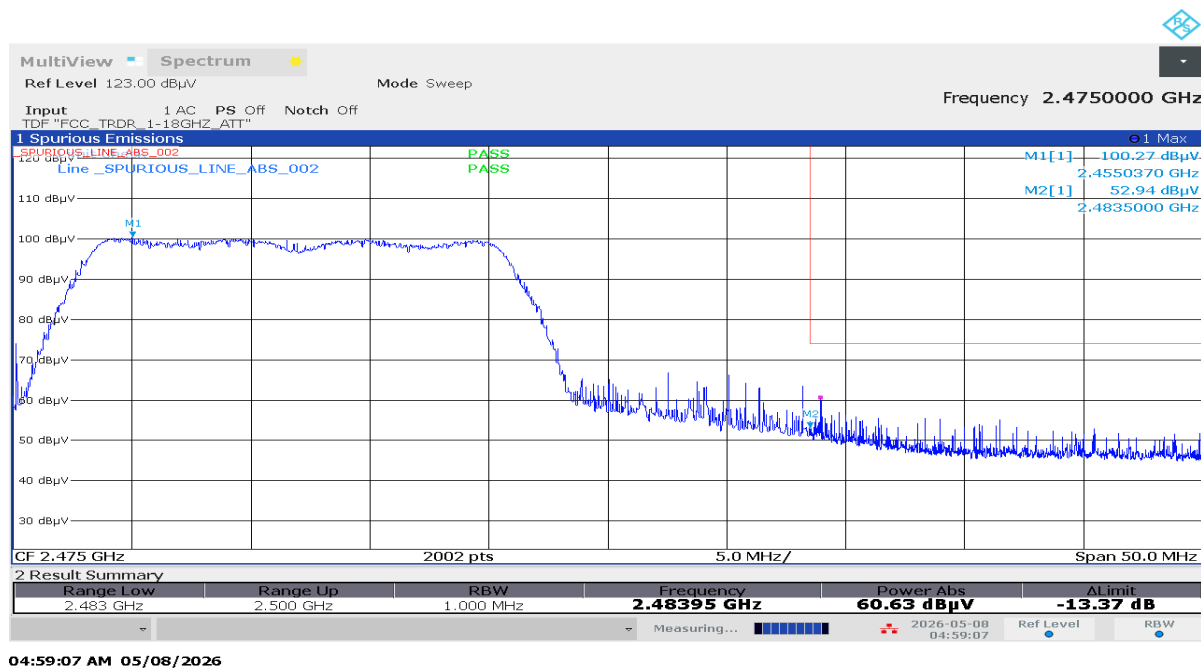
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

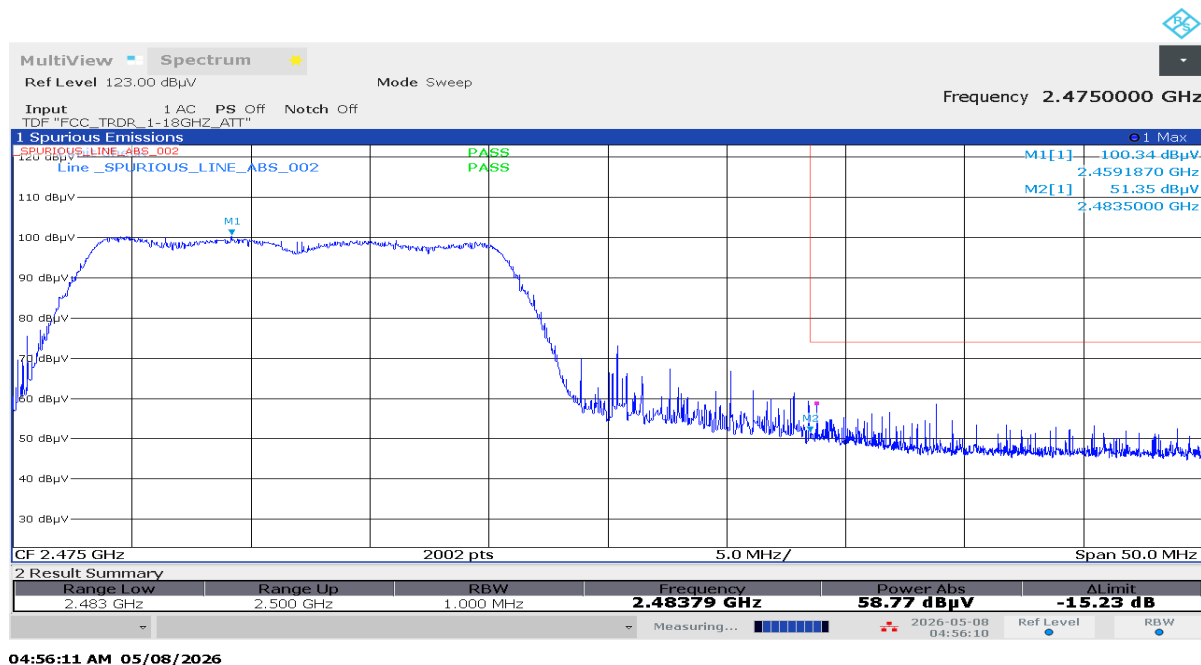
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



05:09:14 AM 05/08/2026

Restricted Band Edge (Average,Vertical)



05:05:50 AM 05/08/2026

802.11b

SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID :	AZ492FT7190	IC :	109U-92FT7190
Model No :	AAM29QPN9YA1AN	Serial No :	008TCF1848
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01		
Test Mode :	Wifi 2.4 GHz 802.11b	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	2412.0000	Softpot Power :	10.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Carrier Power (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	77.2050	27.50 *	97.33	77.33	49.83
Horizontal	Peak	77.2100	34.23 *	97.33	77.33	43.10
Vertical	Peak	143.2780	26.39 *	97.33	77.33	50.94
Horizontal	Peak	143.3359	31.08 *	97.33	77.33	46.25
Vertical	Peak	148.1160	26.78 *	97.33	77.33	50.55
Horizontal	Peak	148.1190	33.43 *	97.33	77.33	43.90
Vertical	Peak	188.0254	25.36 *	97.33	77.33	51.97
Horizontal	Peak	188.1942	28.49 *	97.33	77.33	48.83
Horizontal	Peak	501.5940	34.89 *	97.33	77.33	42.44
Vertical	Peak	501.6010	32.04 *	97.33	77.33	45.29
Horizontal	Peak	900.0340	33.40 *	97.33	77.33	43.92
Vertical	Peak	900.0360	29.74 *	97.33	77.33	47.59
Vertical	Peak	1499.9160	37.64 *	-	74.00	36.36
Vertical	Average	1499.9160	27.98 *	-	54.00	26.02
Horizontal	Peak	1500.1090	35.50 *	-	74.00	38.50
Horizontal	Average	1500.1090	22.93 *	-	54.00	31.07
Vertical	Peak	4823.9640	51.52 *	-	74.00	22.48
Vertical	Average	4823.9640	47.98	-	54.00	6.02
Horizontal	Peak	4824.0920	51.50 *	-	74.00	22.50
Horizontal	Average	4824.0920	48.17	-	54.00	5.83

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Mon, 11 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

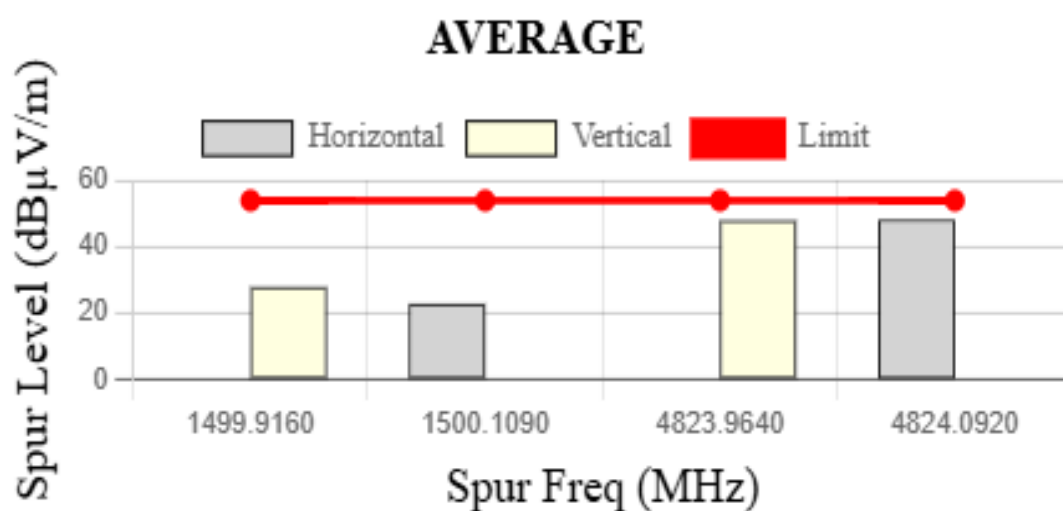
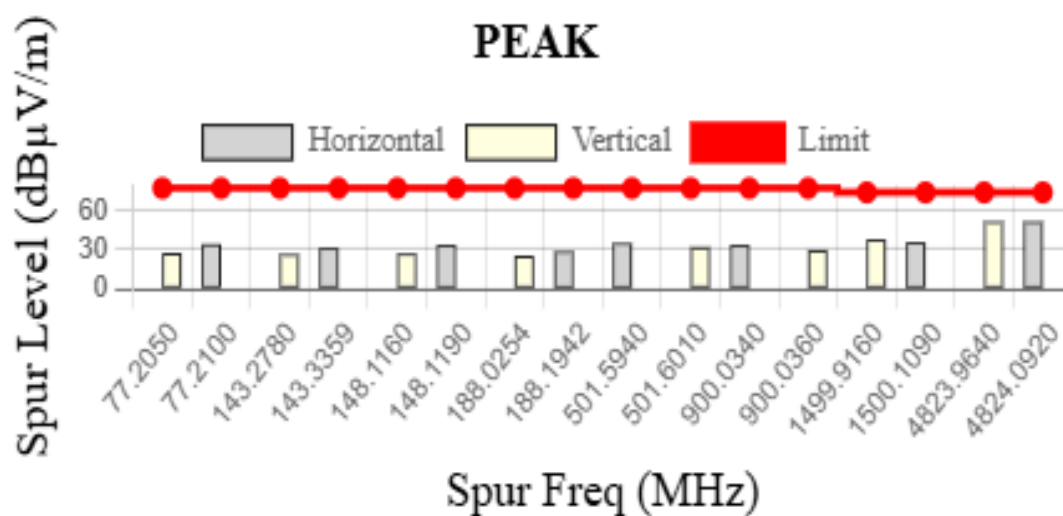
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11b Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2437.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.2120	34.57 *	97.33	77.33	42.76
Vertical	Peak	77.2280	29.38 *	97.33	77.33	47.95
Vertical	Peak	148.1100	28.22 *	97.33	77.33	49.11
Horizontal	Peak	148.1160	33.30 *	97.33	77.33	44.03
Horizontal	Peak	206.1933	26.00 *	97.33	77.33	51.32
Vertical	Peak	206.2263	22.94 *	97.33	77.33	54.39
Horizontal	Quasi-Peak	250.0309	24.68 *	-	46.00	21.32
Vertical	Quasi-Peak	250.0819	11.30 *	-	46.00	34.70
Vertical	Peak	501.5940	31.96 *	97.33	77.33	45.37
Horizontal	Peak	501.5940	34.53 *	97.33	77.33	42.79
Horizontal	Peak	900.0320	33.55 *	97.33	77.33	43.78
Vertical	Peak	900.0530	30.35 *	97.33	77.33	46.98
Horizontal	Peak	4873.9910	53.06 *	-	74.00	20.94
Horizontal	Average	4873.9910	48.41	-	54.00	5.59
Vertical	Peak	4874.0830	55.03	-	74.00	18.97
Vertical	Average	4874.0830	48.72	-	54.00	5.28

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

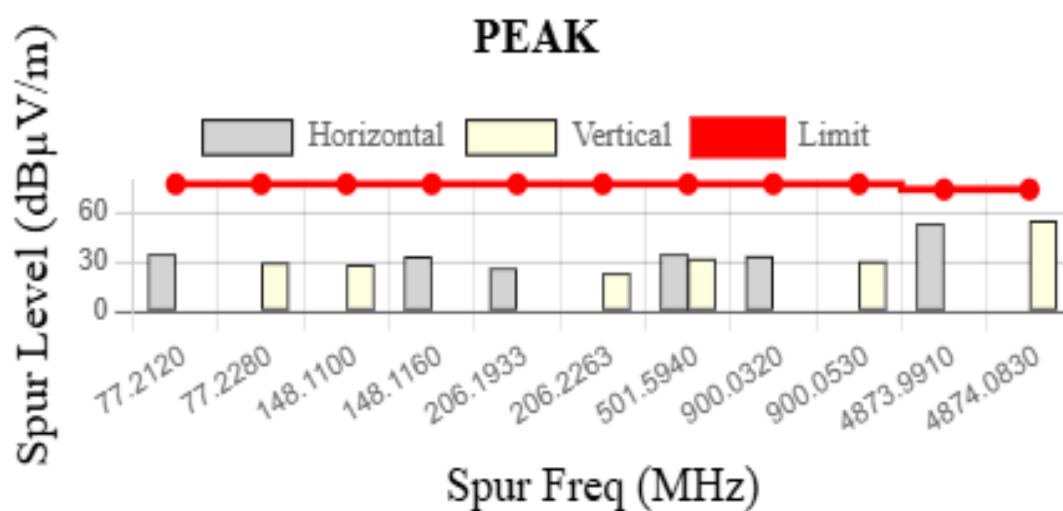
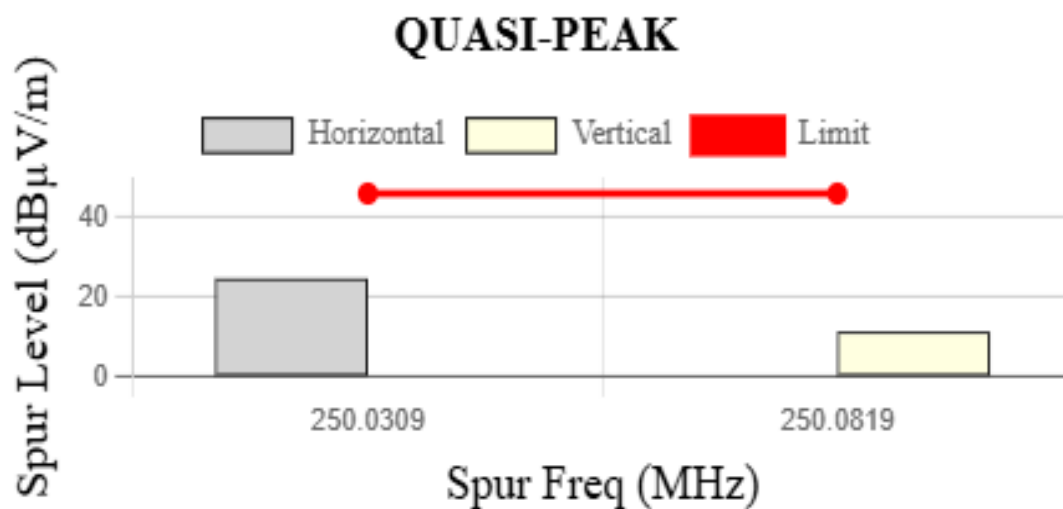
Remarks:

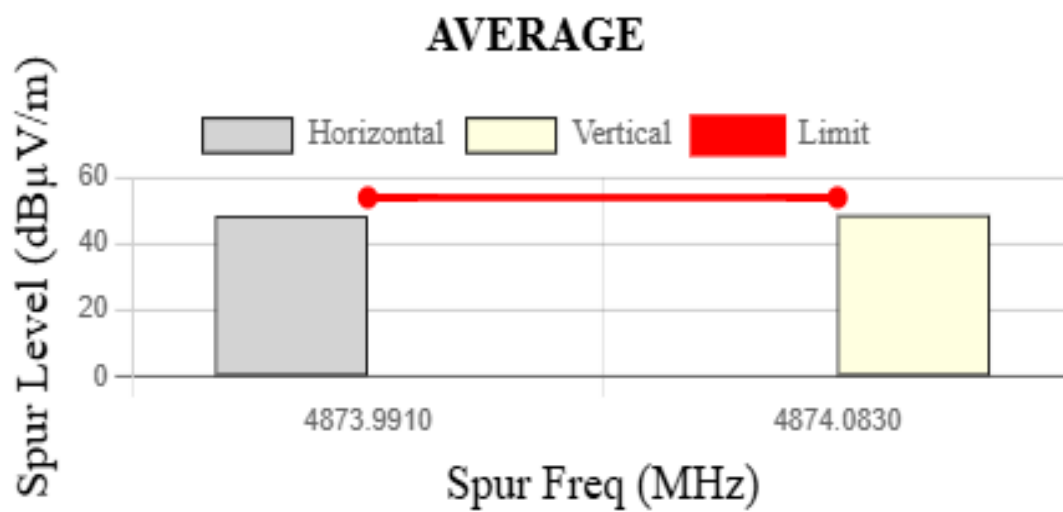
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.





SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11b Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2462.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	77.1840	27.06 *	97.33	77.33	50.27
Horizontal	Peak	77.2080	34.31 *	97.33	77.33	43.01
Horizontal	Peak	148.0970	33.45 *	97.33	77.33	43.88
Vertical	Peak	148.1170	26.68 *	97.33	77.33	50.65
Horizontal	Peak	183.6669	29.78 *	97.33	77.33	47.54
Vertical	Peak	184.0145	26.04 *	97.33	77.33	51.29
Horizontal	Quasi-Peak	249.9900	24.97 *	-	46.00	21.03
Vertical	Quasi-Peak	250.0020	15.33 *	-	46.00	30.67
Horizontal	Peak	501.5740	34.71 *	97.33	77.33	42.62
Vertical	Peak	501.6139	32.31 *	97.33	77.33	45.02
Horizontal	Peak	900.0270	34.26 *	97.33	77.33	43.07
Vertical	Peak	900.0320	29.51 *	97.33	77.33	47.82
Vertical	Peak	4923.8780	49.28 *	-	74.00	24.72
Vertical	Average	4923.8780	41.30	-	54.00	12.70
Horizontal	Peak	4923.9390	51.04 *	-	74.00	22.96
Horizontal	Average	4923.9390	47.48	-	54.00	6.52

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

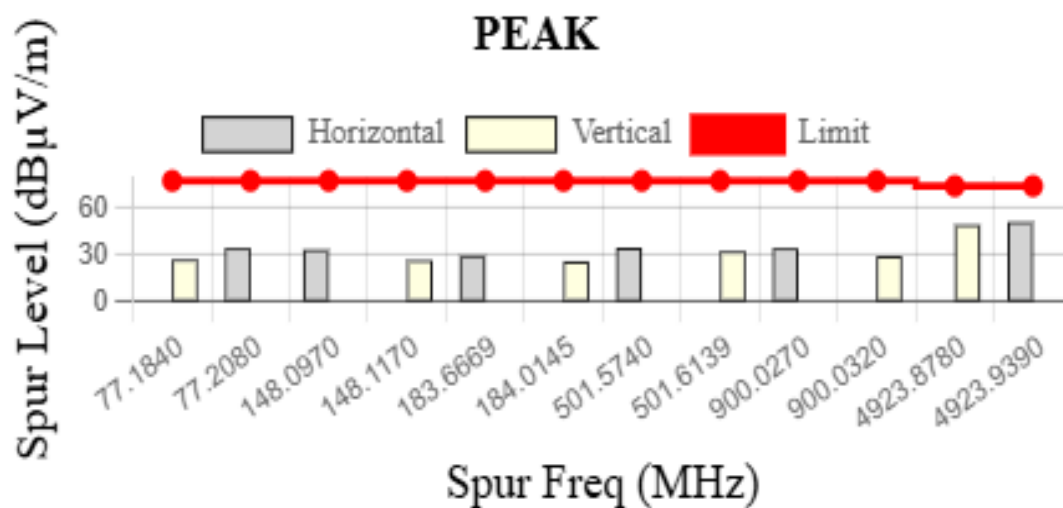
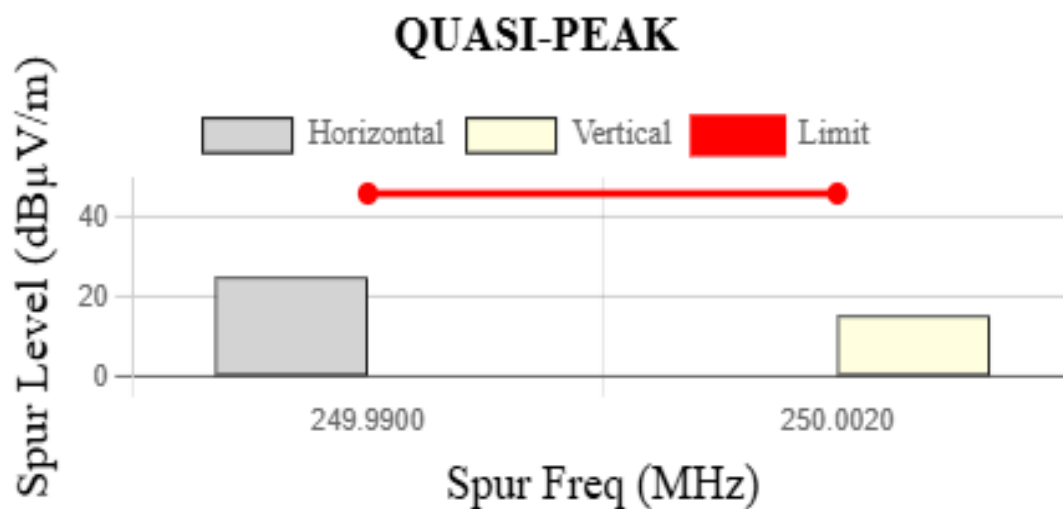
Remarks:

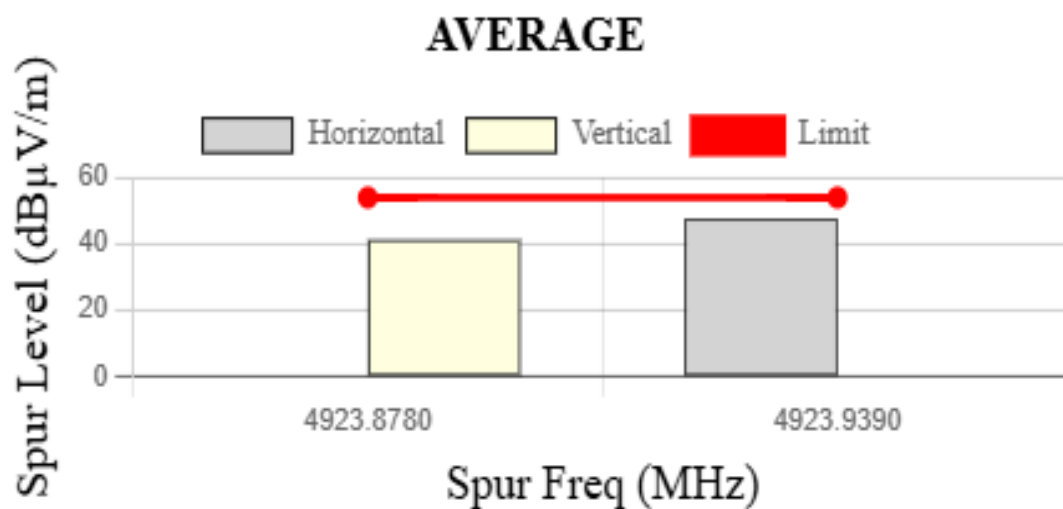
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.





802.11g

SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11g Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2412.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.1990	34.39 *	97.33	77.33	42.94
Vertical	Peak	77.2090	27.42 *	97.33	77.33	49.91
Vertical	Peak	148.0940	27.04 *	97.33	77.33	50.29
Horizontal	Peak	148.1010	33.07 *	97.33	77.33	44.26
Vertical	Peak	185.8114	25.22 *	97.33	77.33	52.11
Horizontal	Peak	186.1431	28.28 *	97.33	77.33	49.05
Vertical	Peak	219.3241	19.52 *	97.33	77.33	57.80
Horizontal	Peak	219.3930	28.71 *	97.33	77.33	48.61
Vertical	Peak	501.6030	30.51 *	97.33	77.33	46.81
Horizontal	Peak	501.6119	34.03 *	97.33	77.33	43.30
Vertical	Peak	900.0490	30.04 *	97.33	77.33	47.29
Horizontal	Peak	900.0560	33.90 *	97.33	77.33	43.43
Horizontal	Peak	4823.5450	52.48 *	-	74.00	21.52
Horizontal	Average	4823.5450	40.03	-	54.00	13.97
Vertical	Peak	4823.6210	55.41	-	74.00	18.59
Vertical	Average	4823.6210	41.91	-	54.00	12.09

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

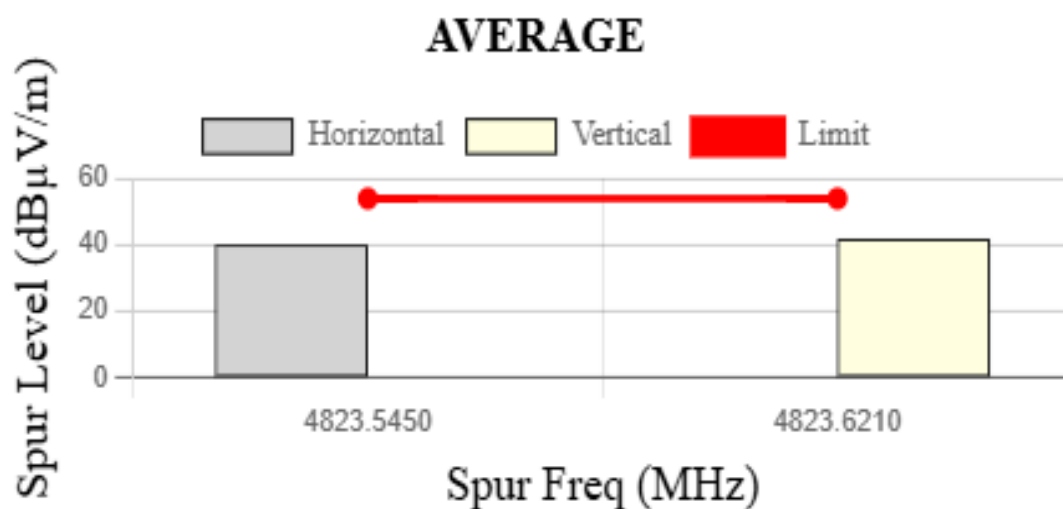
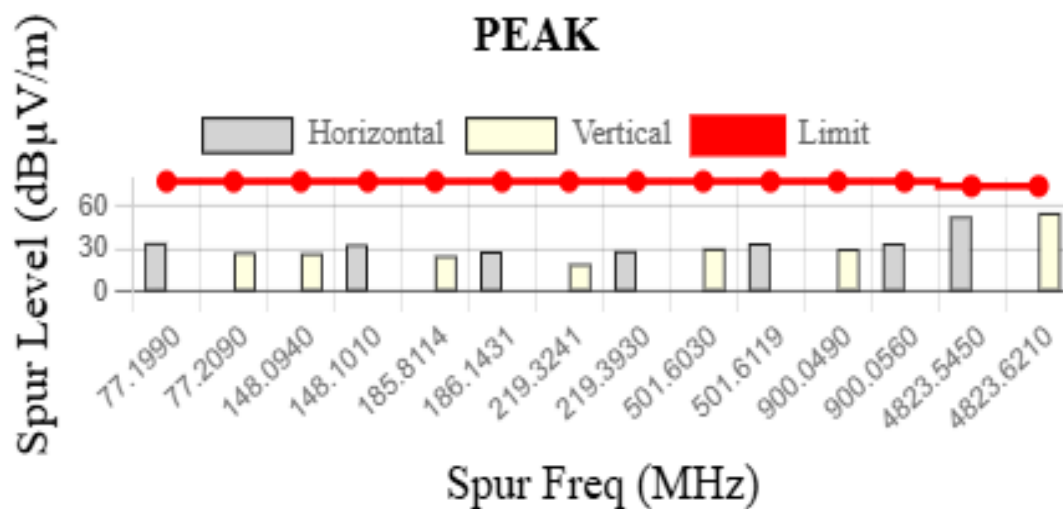
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11g Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2437.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	77.1900	27.43 *	97.33	77.33	49.90
Horizontal	Peak	77.1990	34.36 *	97.33	77.33	42.96
Horizontal	Peak	141.2219	29.12 *	97.33	77.33	48.21
Vertical	Peak	141.2399	28.19 *	97.33	77.33	49.14
Horizontal	Peak	148.1050	33.02 *	97.33	77.33	44.31
Vertical	Peak	148.1100	27.67 *	97.33	77.33	49.66
Vertical	Peak	223.3910	21.15 *	97.33	77.33	56.18
Horizontal	Peak	223.4500	29.84 *	97.33	77.33	47.49
Vertical	Peak	501.5850	31.58 *	97.33	77.33	45.75
Horizontal	Peak	501.5870	34.41 *	97.33	77.33	42.92
Vertical	Peak	900.0380	30.17 *	97.33	77.33	47.15
Horizontal	Peak	900.0420	33.18 *	97.33	77.33	44.15
Horizontal	Peak	4873.8230	52.16 *	-	74.00	21.84
Horizontal	Average	4873.8230	39.58	-	54.00	14.42
Vertical	Peak	4873.8280	56.76	-	74.00	17.24
Vertical	Average	4873.8280	43.27	-	54.00	10.73

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

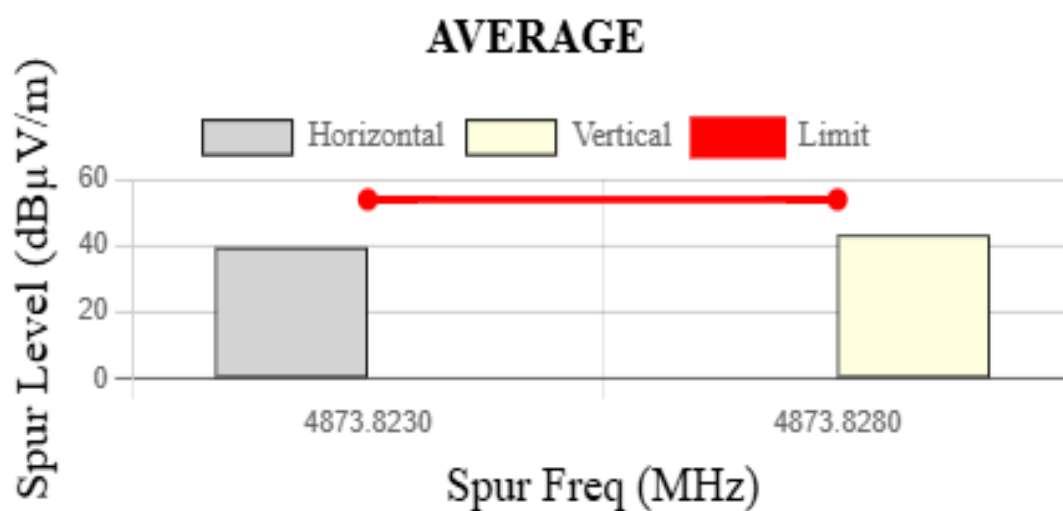
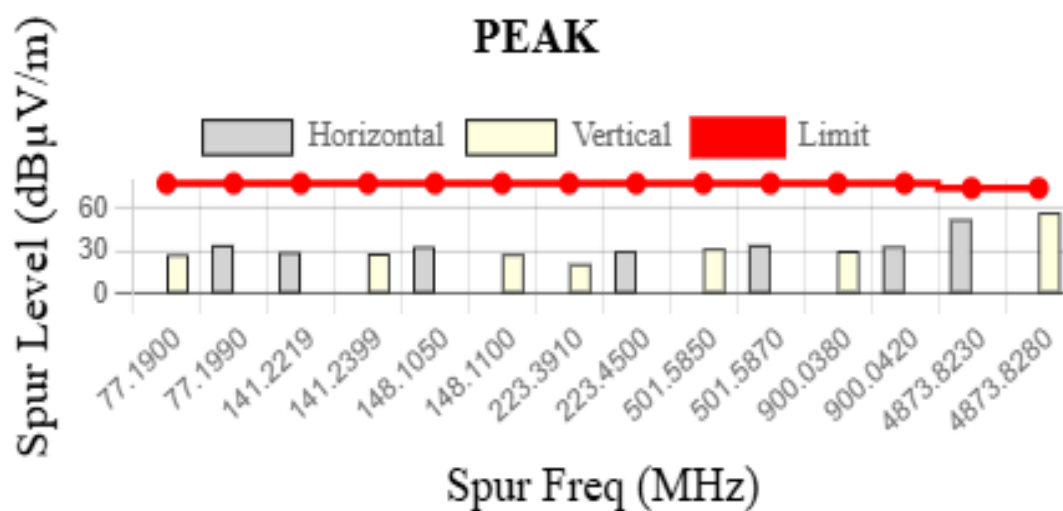
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11g Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2462.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	77.2090	29.00 *	97.33	77.33	48.32
Horizontal	Peak	77.2100	34.22 *	97.33	77.33	43.11
Horizontal	Peak	141.1830	28.97 *	97.33	77.33	48.35
Vertical	Peak	141.2649	28.74 *	97.33	77.33	48.59
Vertical	Peak	148.1040	27.44 *	97.33	77.33	49.89
Horizontal	Peak	148.1150	33.14 *	97.33	77.33	44.18
Horizontal	Peak	223.4720	28.66 *	97.33	77.33	48.67
Vertical	Peak	223.4929	22.02 *	97.33	77.33	55.31
Horizontal	Peak	501.5950	34.14 *	97.33	77.33	43.19
Vertical	Peak	501.6259	29.43 *	97.33	77.33	47.90
Vertical	Peak	899.9960	29.85 *	97.33	77.33	47.48
Horizontal	Peak	900.0390	33.66 *	97.33	77.33	43.67
Horizontal	Peak	4923.6040	50.17 *	-	74.00	23.83
Horizontal	Average	4923.6040	37.43	-	54.00	16.57
Vertical	Peak	4923.8370	54.48	-	74.00	19.52
Vertical	Average	4923.8370	41.62	-	54.00	12.38

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

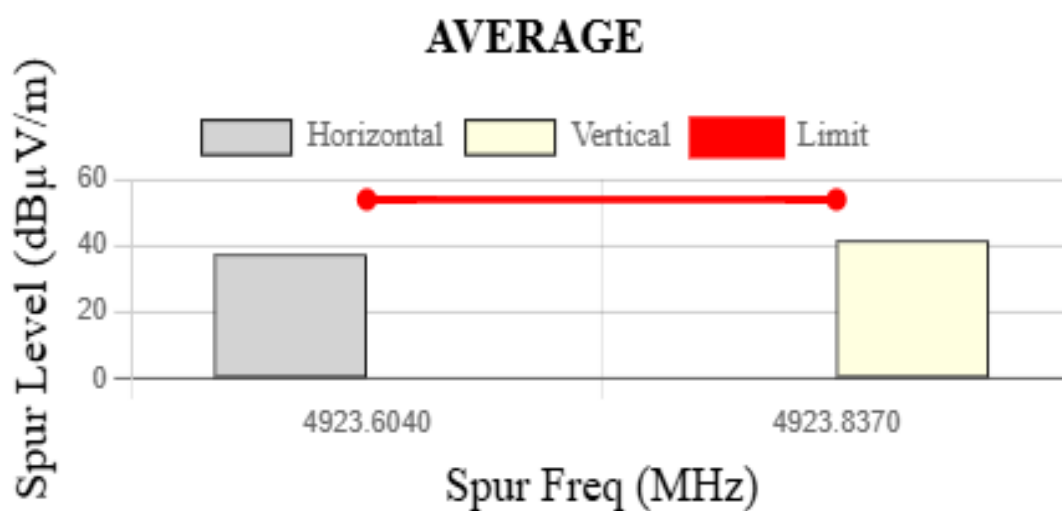
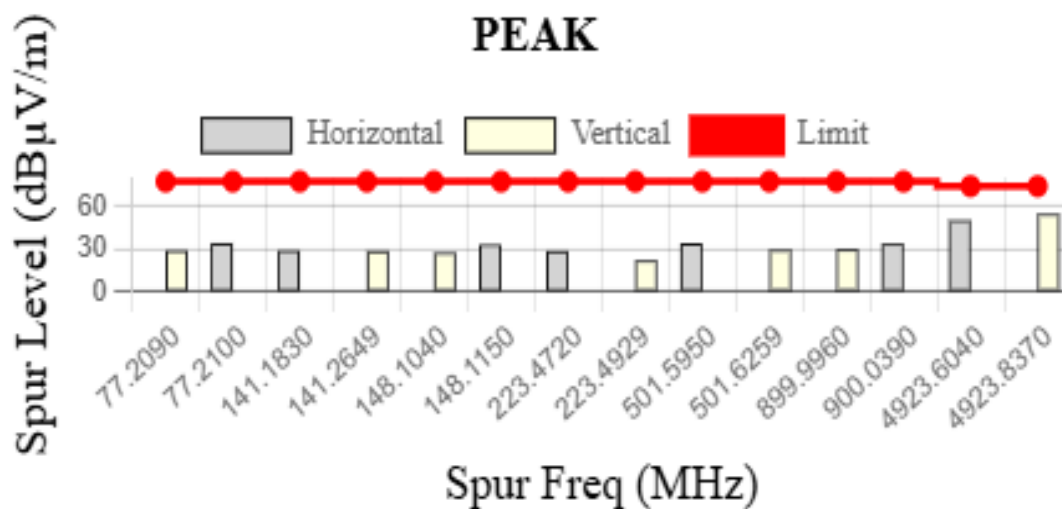
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



802.11n (HT20)

SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2412.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.1820	34.37 *	97.33	77.33	42.95
Vertical	Peak	77.2170	27.10 *	97.33	77.33	50.22
Vertical	Peak	140.9202	28.40 *	97.33	77.33	48.93
Horizontal	Peak	141.1640	29.20 *	97.33	77.33	48.13
Vertical	Peak	148.1010	25.29 *	97.33	77.33	52.04
Horizontal	Peak	148.1390	33.36 *	97.33	77.33	43.97
Vertical	Peak	223.4710	18.96 *	97.33	77.33	58.36
Horizontal	Peak	223.4819	26.04 *	97.33	77.33	51.29
Vertical	Peak	501.5810	31.08 *	97.33	77.33	46.25
Horizontal	Peak	501.6099	34.06 *	97.33	77.33	43.27
Vertical	Peak	900.0390	30.09 *	97.33	77.33	47.23
Horizontal	Peak	900.0390	34.21 *	97.33	77.33	43.12
Horizontal	Peak	1499.9610	36.55 *	-	74.00	37.45
Horizontal	Average	1499.9610	25.31 *	-	54.00	28.69
Vertical	Peak	1500.0890	38.41 *	-	74.00	35.59
Vertical	Average	1500.0890	28.57 *	-	54.00	25.43
Vertical	Peak	4824.3400	55.30	-	74.00	18.70
Vertical	Average	4824.3400	41.02	-	54.00	12.98
Horizontal	Peak	4824.4060	52.82 *	-	74.00	21.18
Horizontal	Average	4824.4060	38.28	-	54.00	15.72

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

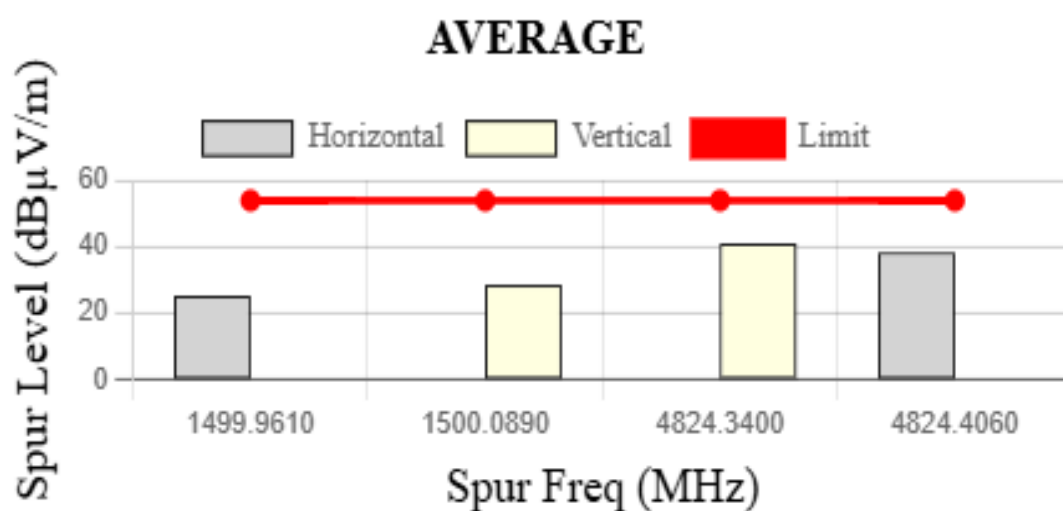
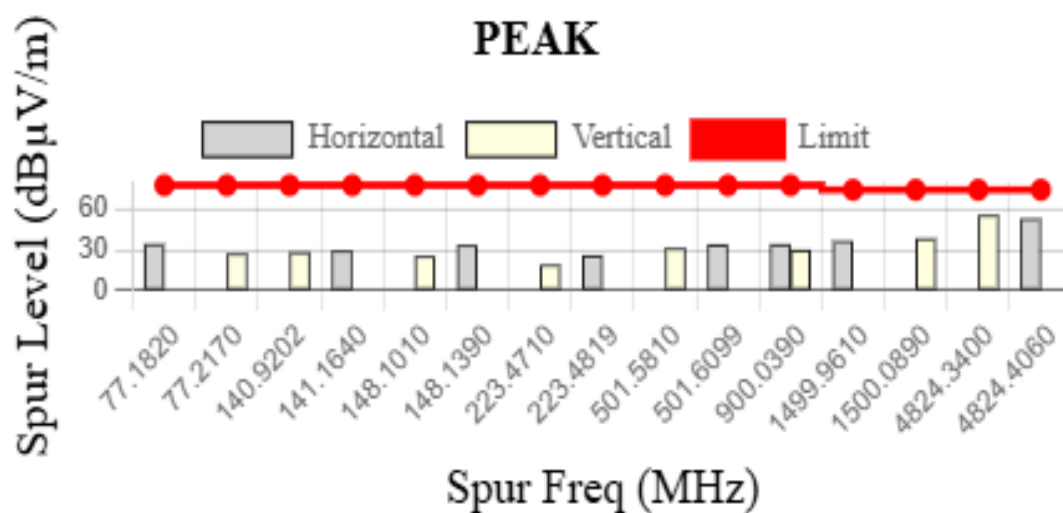
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2437.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	77.1970	27.50 *	97.33	77.33	49.83
Horizontal	Peak	77.2030	34.31 *	97.33	77.33	43.01
Horizontal	Peak	141.2219	28.50 *	97.33	77.33	48.83
Vertical	Peak	141.2259	28.45 *	97.33	77.33	48.88
Vertical	Peak	148.1050	24.07 *	97.33	77.33	53.26
Horizontal	Peak	148.1260	32.82 *	97.33	77.33	44.51
Vertical	Peak	223.4540	19.02 *	97.33	77.33	58.31
Horizontal	Peak	223.5109	25.13 *	97.33	77.33	52.20
Horizontal	Peak	501.5950	34.17 *	97.33	77.33	43.16
Vertical	Peak	501.6060	30.35 *	97.33	77.33	46.97
Horizontal	Peak	900.0590	33.58 *	97.33	77.33	43.75
Vertical	Peak	900.0839	28.77 *	97.33	77.33	48.56
Horizontal	Peak	4873.8580	53.35 *	-	74.00	20.65
Horizontal	Average	4873.8580	40.11	-	54.00	13.89
Vertical	Peak	4874.0060	57.40	-	74.00	16.60
Vertical	Average	4874.0060	43.10	-	54.00	10.90

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

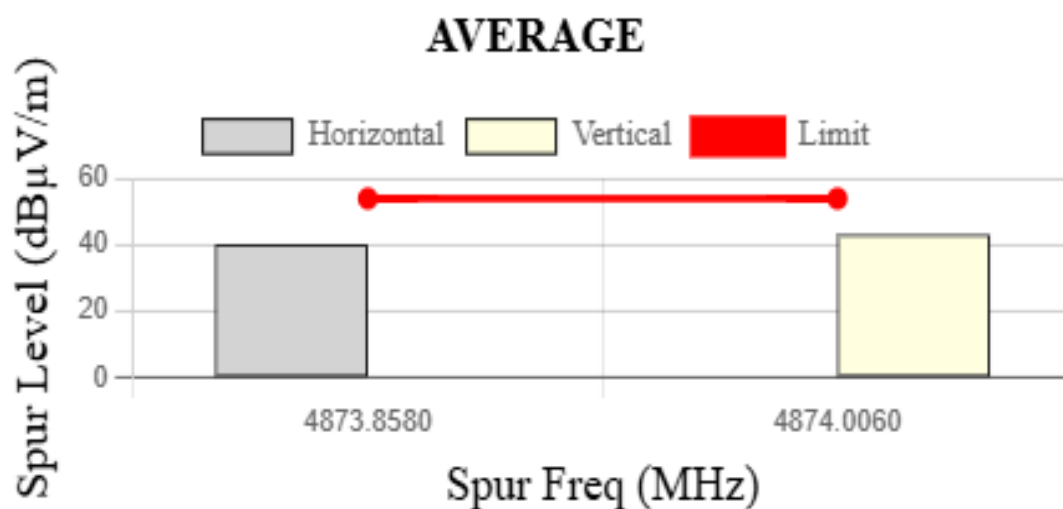
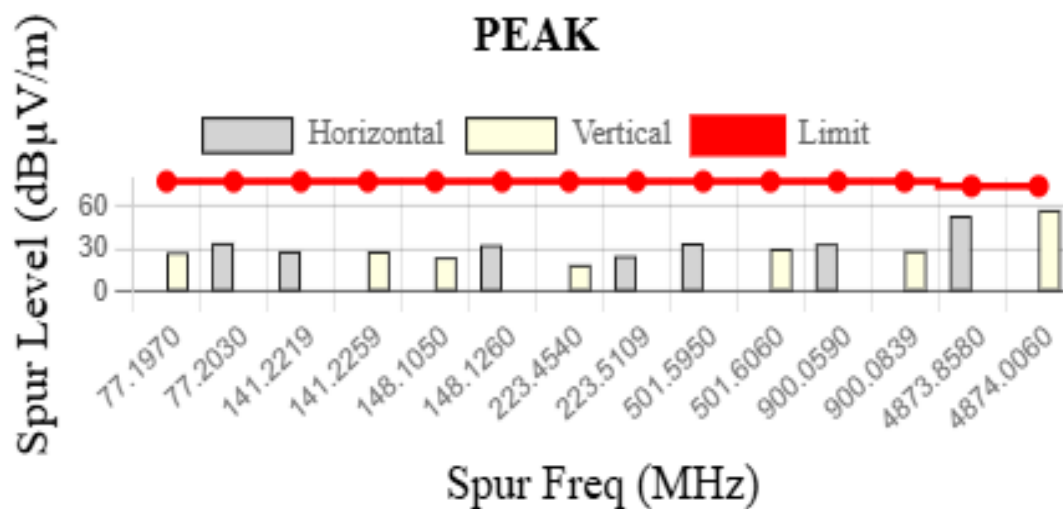
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



SAC TX Radiated Emission : 1468N00-EMC-00053

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 2462.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 + Errata
to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.1850	34.21 *	97.33	77.33	43.12
Vertical	Peak	77.2160	27.05 *	97.33	77.33	50.28
Horizontal	Peak	141.2030	29.68 *	97.33	77.33	47.65
Vertical	Peak	141.2379	28.59 *	97.33	77.33	48.73
Vertical	Peak	148.0391	23.70 *	97.33	77.33	53.63
Horizontal	Peak	148.1320	32.56 *	97.33	77.33	44.77
Vertical	Peak	223.9435	17.71 *	97.33	77.33	59.62
Horizontal	Peak	224.1423	23.83 *	97.33	77.33	53.49
Horizontal	Peak	501.6139	34.05 *	97.33	77.33	43.28
Vertical	Peak	501.6179	29.58 *	97.33	77.33	47.75
Vertical	Peak	900.0180	30.20 *	97.33	77.33	47.13
Horizontal	Peak	900.0360	33.61 *	97.33	77.33	43.72
Horizontal	Peak	4923.5280	49.84 *	-	74.00	24.16
Horizontal	Average	4923.5280	33.19 *	-	54.00	20.81
Vertical	Peak	4923.9980	53.54 *	-	74.00	20.46
Vertical	Average	4923.9980	39.34	-	54.00	14.66

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 11 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

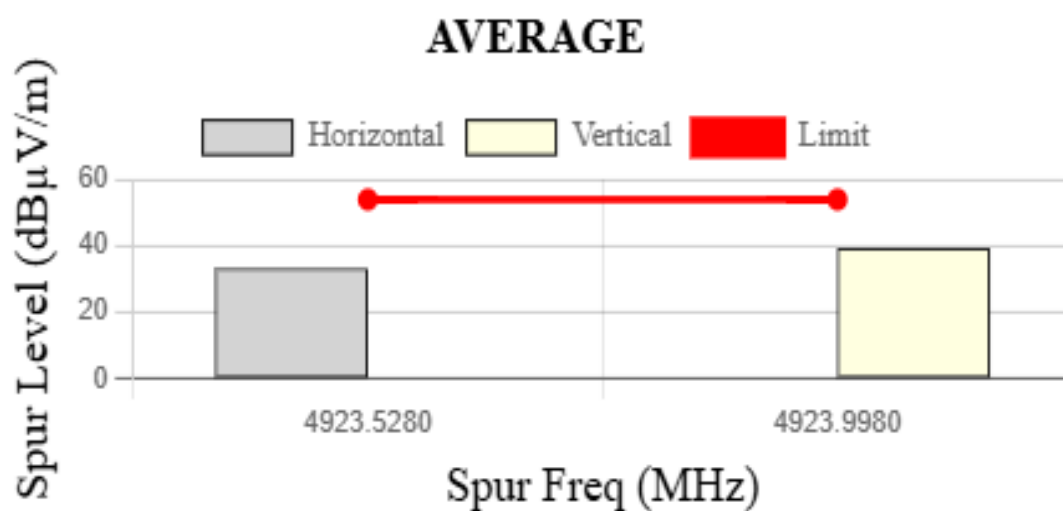
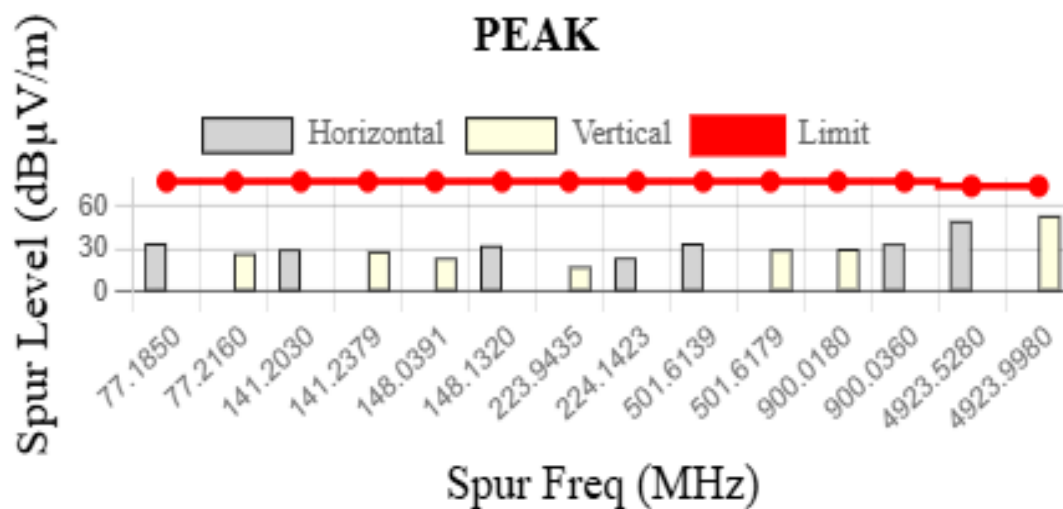
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

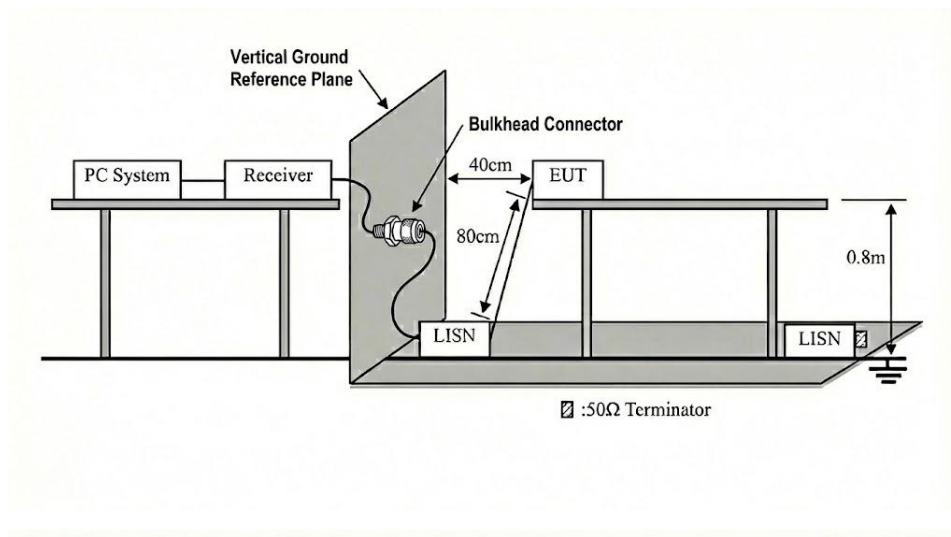
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



5.8. AC Powerline Conducted Emission

5.8.1. Test Setup



- 1) Tests were conducted for both Receive and Transmit Mode of the EUT.
- 2) The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN) and connected to test receiver. All other EUT support units were connected to the power mains through another LISN terminated with 50 ohm loads.
- 3) Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- 4) The frequency range from 150 kHz to 30MHz was measured.

5.8.2. Test Limits:

For AC Power Line Conducted Test Limit can be Class A or B depends on product classification.

**Limits for conducted disturbance at the mains ports
of class A ITE**

Frequency range MHz	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	79	66
0,50 to 30	73	60

NOTE The lower limit shall apply at the transition frequency.

Table 1: Limits for Conducted Disturbance at the Mains Ports of Class A ITE.

**Limits for conducted disturbance at the mains ports
 of class B ITE**

Frequency range MHz	Limits dB(μ V)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50
NOTE 1 The lower limit shall apply at the transition frequencies. NOTE 2 The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz.		

Table 2: Limits for Conducted Disturbance at the Mains Ports of Class B ITE

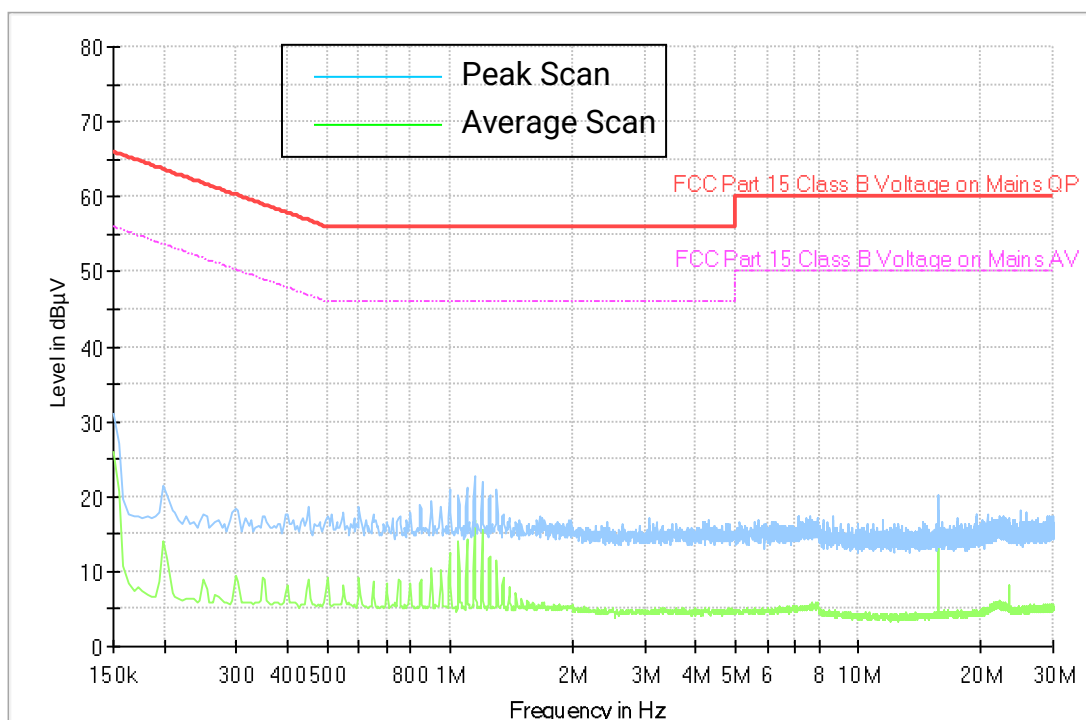
5.8.3. Test Result

Report ID: 1468N00-EMC-00053
Temperature: 20.1 °C
Humidity: 54.9 %RH
Tester: Helmy
Date of Test: 13 May 2026

120VAC, 50Hz

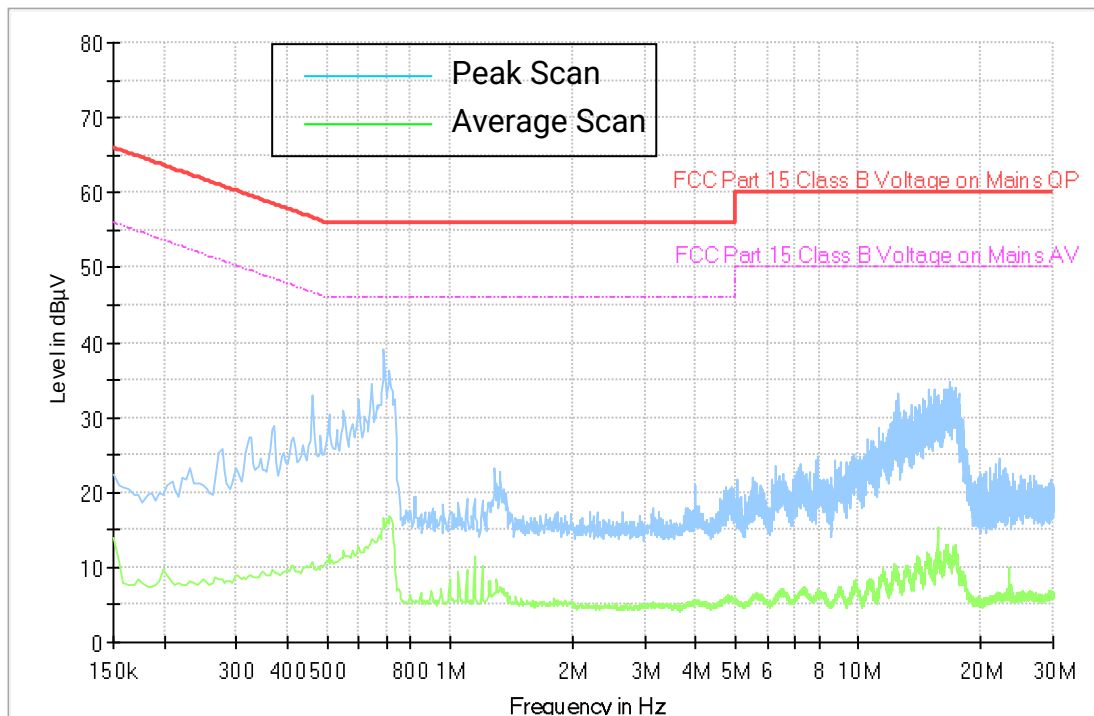
1) Ambient

Full Spectrum



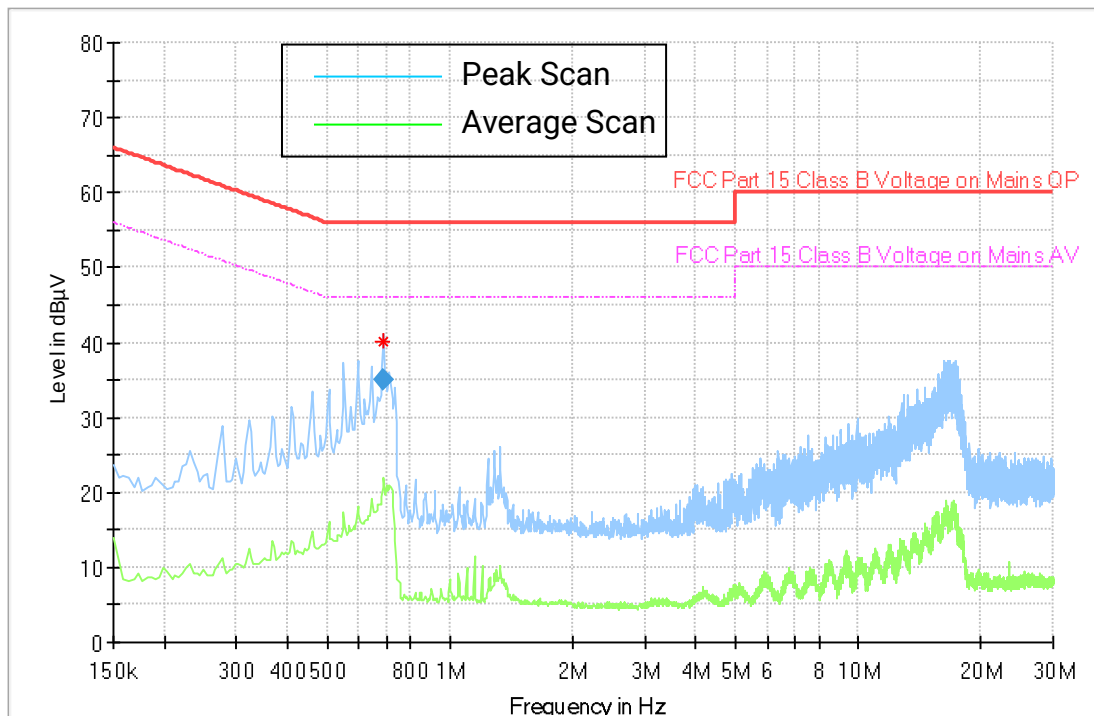
2) PSU Alone

Full Spectrum



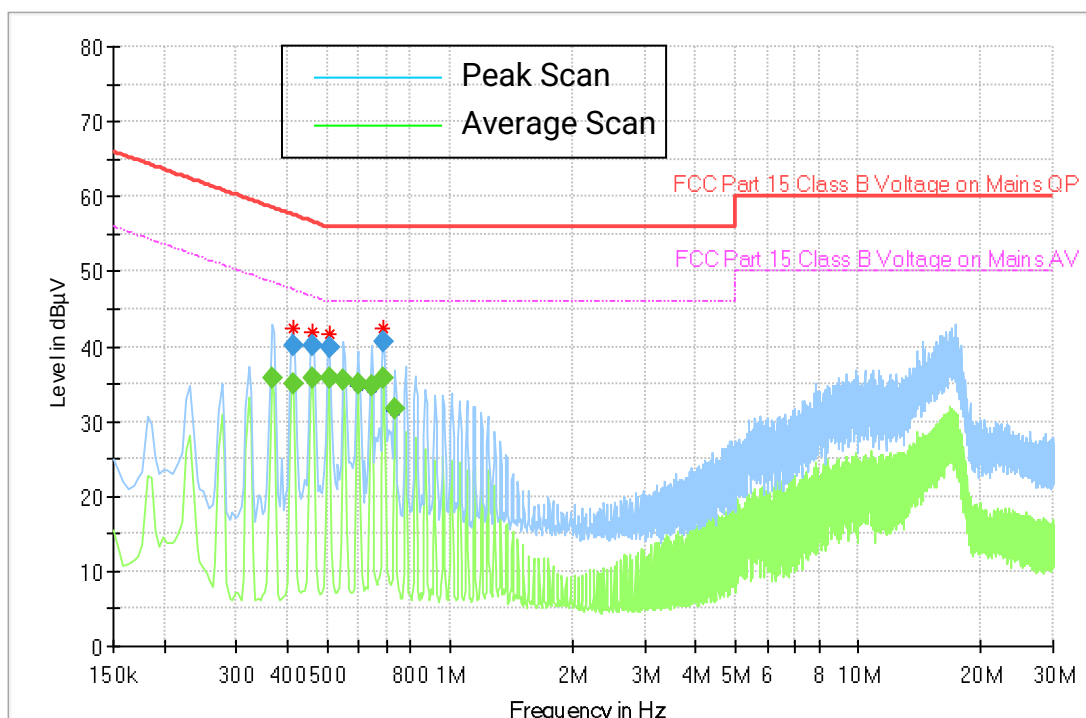
3) Radio OFF

Full Spectrum



4) Radio Standby

Full Spectrum

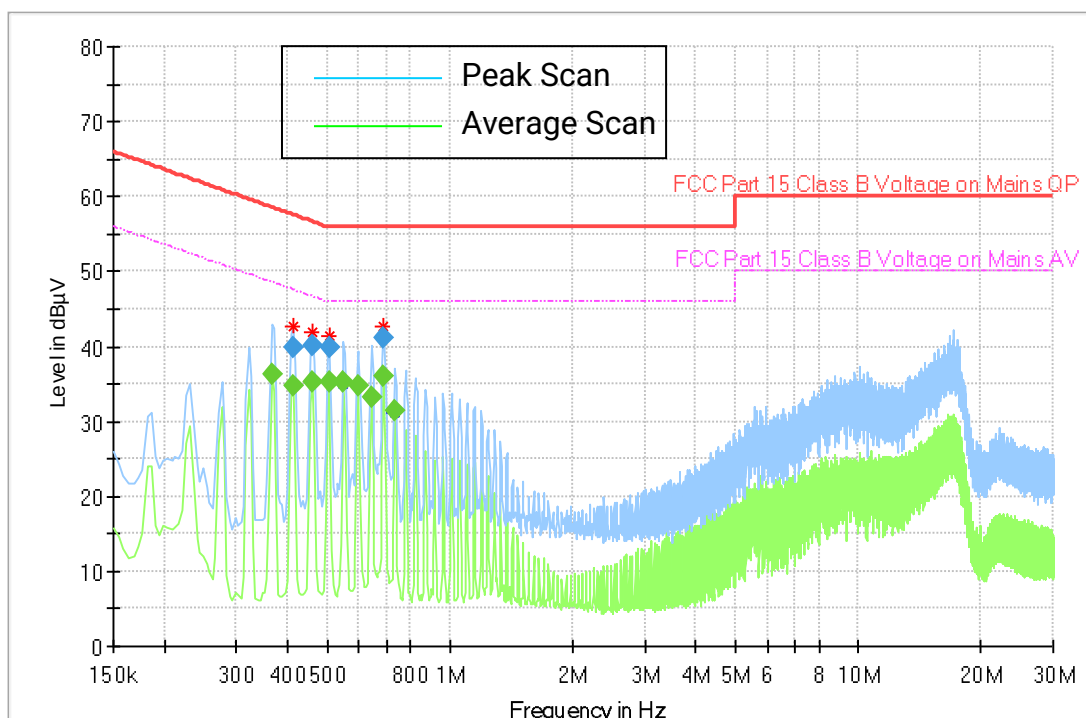


QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.366000	---	35.84	48.59	12.75	L1	ON	10.0
0.415500	40.03	---	57.54	17.51	N	ON	10.0
0.415500	---	35.12	47.54	12.42	L1	ON	10.0
0.460500	---	35.76	46.68	10.92	L1	ON	10.0
0.460500	40.18	---	56.68	16.50	L1	ON	10.0
0.505500	---	35.79	46.00	10.21	L1	ON	10.0
0.505500	39.91	---	56.00	16.09	L1	ON	10.0
0.550500	---	35.52	46.00	10.48	L1	ON	10.0
0.595500	---	34.93	46.00	11.07	L1	ON	10.0
0.640500	---	34.64	46.00	11.36	L1	ON	10.0
0.690000	---	35.73	46.00	10.27	N	ON	9.9
0.690000	40.73	---	56.00	15.27	N	ON	9.9
0.735000	---	31.60	46.00	14.40	L1	ON	9.9

5) WIFI 2.4GHz Transmit CH: 2412MHz, Mod: 802.11n HT20

Full Spectrum



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.366000	---	36.34	48.59	12.25	L1	ON	10.0
0.415500	---	34.87	47.54	12.66	L1	ON	10.0
0.415500	39.99	---	57.54	17.54	L1	ON	10.0
0.460500	---	35.29	46.68	11.40	L1	ON	10.0
0.460500	40.18	---	56.68	16.50	N	ON	10.0
0.505500	---	35.33	46.00	10.67	L1	ON	10.0
0.505500	39.93	---	56.00	16.07	L1	ON	10.0
0.550500	---	35.19	46.00	10.81	L1	ON	10.0
0.595500	---	34.85	46.00	11.15	L1	ON	10.0
0.645000	---	33.32	46.00	12.68	L1	ON	9.9
0.690000	---	36.15	46.00	9.85	L1	ON	9.9
0.690000	41.04	---	56.00	14.96	N	ON	9.9
0.735000	---	31.42	46.00	14.58	L1	ON	9.9

END OF TEST REPORT