

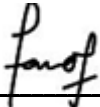
 MOTOROLA SOLUTIONS	    CERTIFICATE 2518.08 SAMM 825																																
MOTOROLA PENANG ADV. COMM. LABORATORY Motorola Solutions Malaysia Sdn. Bhd. Plot 2A Medan Bayan Lepas, Mukim 12, S.W.D. 11900 Bayan Lepas, Penang, Malaysia.	FCC / ISED TEST REPORT Report Revision : Rev.B																																
<table><tr><td>Date/s Tested</td><td>: 06-April-2026 - 21-April-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 Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900, Bayan Lepas, Penang, Malaysia</td></tr><tr><td>Requestor</td><td>: SUBRAMANIAM VASU</td></tr><tr><td>Product Type</td><td>: Mobile / Vehicle Mount</td></tr><tr><td>Product Marketing Name (PMN)</td><td>: MR7r</td></tr><tr><td>Hardware Version Identification Number (HVIN)</td><td>: AAM29JNN9YA1AN</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 - 22.39 mWatts 802.11g - 199.53 mWatts 802.11n(HT20) - 199.53 mWatts</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	: 06-April-2026 - 21-April-2026	Report Issue Date	: 04-August-2026	Test Location	: MOTOROLA PENANG ADV. COMM. LABORATORY	Manufacturer/Location	: Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900, Bayan Lepas, Penang, Malaysia	Requestor	: SUBRAMANIAM VASU	Product Type	: Mobile / Vehicle Mount	Product Marketing Name (PMN)	: MR7r	Hardware Version Identification Number (HVIN)	: AAM29JNN9YA1AN	Frequency Band	: 2.412-2.462 GHz	Max RF Output Power	: 802.11b - 22.39 mWatts 802.11g - 199.53 mWatts 802.11n(HT20) - 199.53 mWatts	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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Prepared By:  SITI NURHIDAYATI BINTI ABDUL HALIM Test Personnel	Approved Signatory:  VINCENT FOONG CHUEN KIT Responsible Engineer																																

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REVISION HISTORY

Revision History	Description	Date	Originator
Rev. A	Initial Report	7-May-2026	Hidayati
Rev. B	Updated Results of AC Powerline Conducted Emission from NA to Pass	4-August-2026	Hidayati

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

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 132-174 3DB GAIN	MOTOROLA	HAD4022A
MOBILE ANTENNA GNSS L1 & L5 MAGNET MOUNT	MOTOROLA	PMAN4013A
GENESEE COLOR DISPLAY CONTROL HEAD	MOTOROLA	PMLN8805A
LTD DESKTOP MOBILE MIC	MOTOROLA	RMN5050A
DESKTOP TRAY WITH SPEAKER	MOTOROLA	RSN4005A
POWER SUPPLY ADAPTOR,EXT 280W POWER SUPPLY , 100-240VAC, SAE	MOTOROLA	PS000280A02
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: 13.497MHz (13M5G1D) 802.11g: 16.746MHz (16M7D1D) 802.11n(HT20): 17.715MHz (17M7D1D)	008TCF1506	Hidayati
15.247 (b)(3)	RSS-247 5.4(d)	Conducted RF Output Power (Peak)	Pass	Highest output power: 802.11b: 12.880 dBm (19.409 mW) 802.11g: 22.120 dBm (162.930 mW) 802.11n(HT20): 22.540 dBm (179.473 mW)	008TCF1506	Hidayati
15.247(e)	RSS-247 5.2(b)	Maximum Power Spectral Density	Pass	Meet the limit requirement.	008TCF1506	Hidayati
15.247(d)	RSS-247 5.5	Conducted Spurious Emissions	Pass	Worst case emission: -42.44 dBm	008TCF1506	Hidayati
15.247 (d)	RSS-247 5.5	Band edge Conducted Spurious Emission	Pass	Worst case emission: -31.76 dBm	008TCF1506	Hidayati
15.205, 15.209, 15.247 (d)	RSS-247 5.5	Radiated Emission within Restricted Bands	Pass	Worst case emission: RBE: 68.19 dBuV/m (margin: 5.81 dB) RSE: 48.83 dBuV/m (margin: 5.17 dB),	008TCF1512	Nazrin & Fuad
15.207	RSS-Gen 8.8	AC Power Line Conducted Emission	Pass	Meet the limit requirement.	008TCF1512	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 # 1 (SW Version: Ate Main_3.2.2)

Description	Model	Serial Number	Calibration Date	Calibration Due Date
CHAMBER	SH-641	92003820	9-Jul-25	9-Jul-26
POWER SUPPLY	6652A	MY40001438	27-Aug-25	27-Aug-26
PULSE SENSOR	MA2411B	2214139	5-Mar-26	5-Mar-27
PULSE POWER METER	ML2495A	0844003	24-Feb-26	24-Feb-27
SPECTRUM ANALYZER	E4440A	MY46185415	15-Jan-25	15-Jul-26

Radiated Emission Station (SW Version: EMC FCC 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
5m SEMI-ANECHOIC CHAMBER	S800-HX	J2308	No Cal. Req'd	No Cal. Req'd
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
SYSTEM CONTROLLER	SC104V	050806-1	No Cal. Req'd	No Cal. Req'd
TURNTABLE FLUSH MOUNT 2M	FM2011	FM2011-001	No Cal. Req'd	No Cal. Req'd
ANTENNA POSITIONING TOWER	TLT2	090308-5	No Cal. Req'd	No Cal. Req'd
BROAD-BAND HORN ANTENNA	BBHA9170	BBHA9170143	30-Sep-25	30-Sep-26
PREAMPLIFIER 18-40GHz	JS44-18004000-33-8P	2034566	No Cal. Req'd	No Cal. Req'd
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

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	4-Sep-2025	4-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.

5.0. 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
	802.11n (HT40)	x	x	x	x	x	x
	802.11ax (HE20)	x	x	x	x	x	x
	802.11ax (HE40)	x	x	x	x	x	x
	802.11ax (HE40)	x	x	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	2	SISO	23.6°C, 68.9%RH
Test Mode	802.11g	1 to 11	1,6,11	OFDM	BPSK	6	SISO	23.6°C, 68.9%RH
Test Mode	802.11n (HT20)	1 to 11	1,6,11	OFDM	BPSK	6.5	SISO	23.6°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	2	SISO	23.6°C, 68.9%RH
Test Mode	802.11g	1 to 11	1,6,11	OFDM	BPSK	6	SISO	23.6°C, 68.9%RH
Test Mode	802.11n (HT20)	1 to 11	1,6,11	OFDM	BPSK	6.5	SISO	23.6°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	22.1°C, 64.0%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	2	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 CDD (MIMO)	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

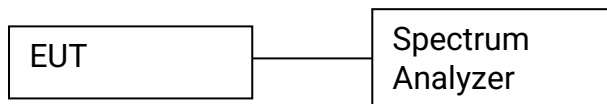
Where:

- 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.

6.0. Transmitter Test Parameters

6.1. 6dB Channel Bandwidth

6.1.1. 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.

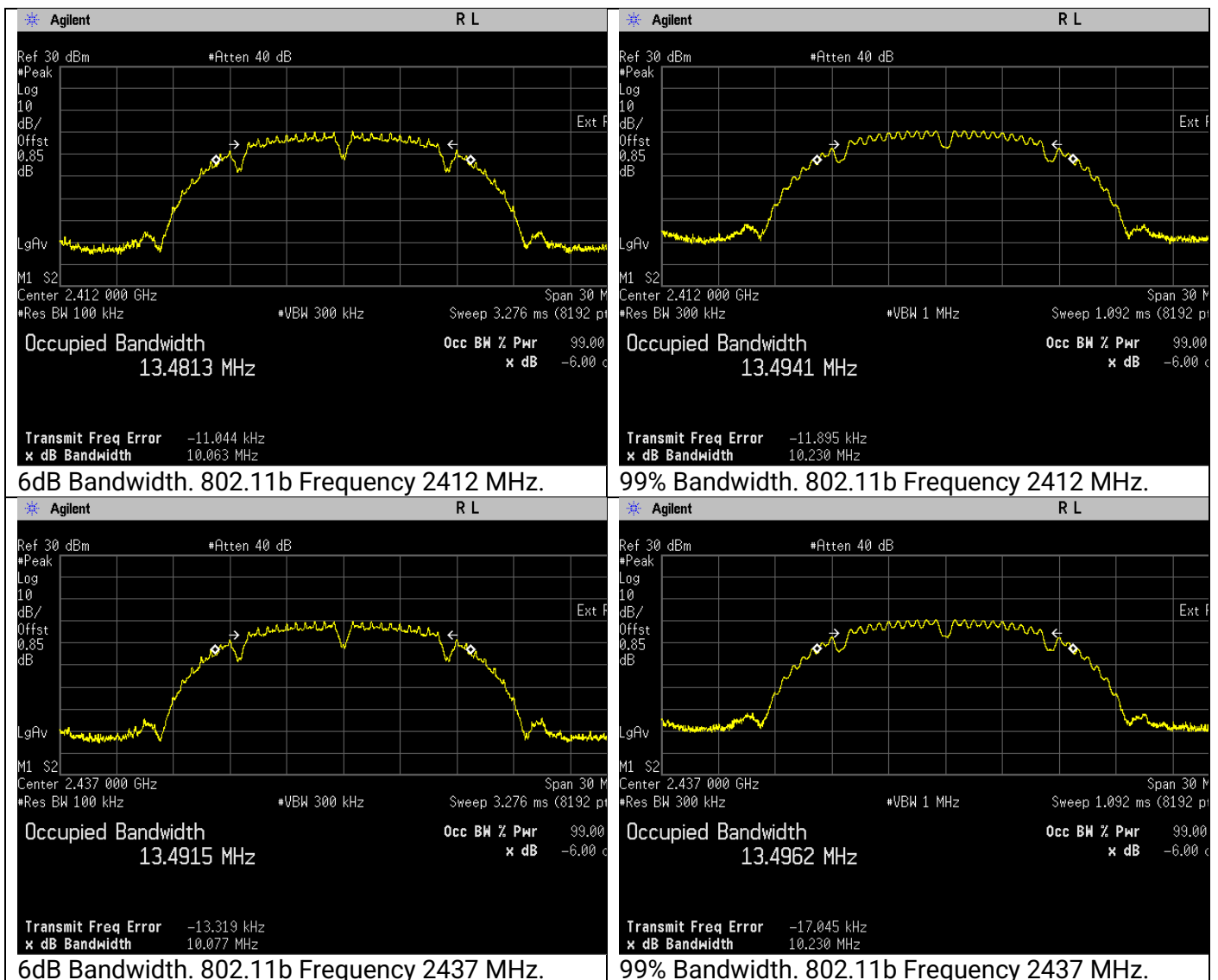
6.1.2. Test Limits:

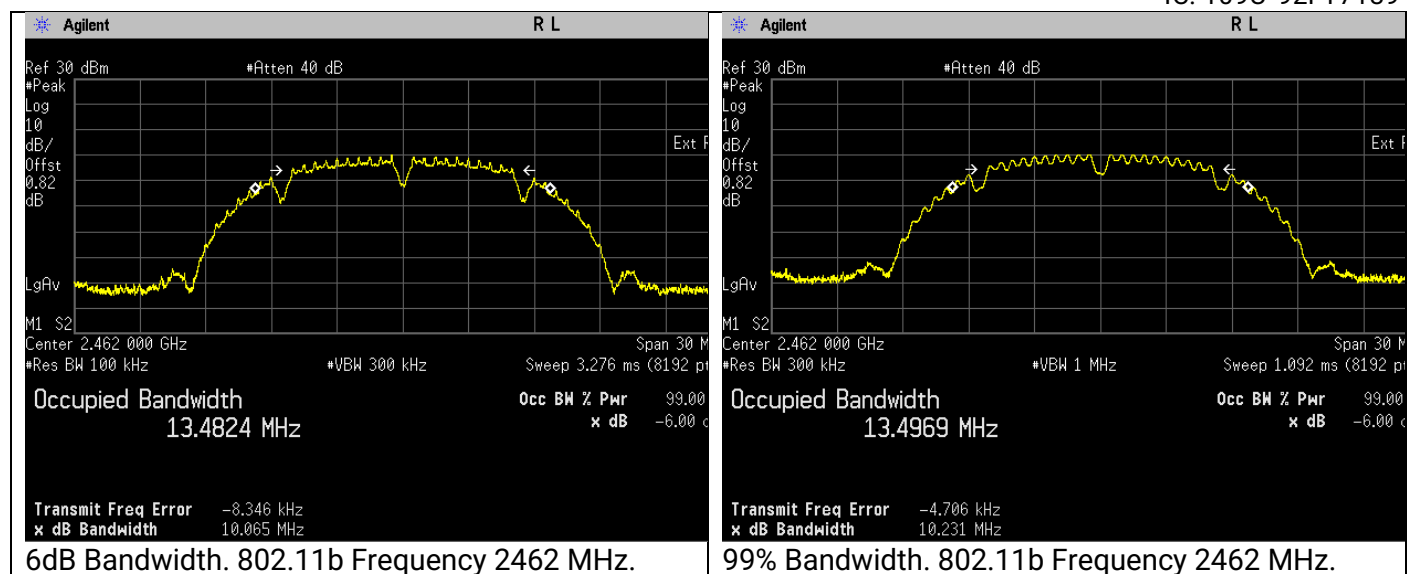
Normal Condition (25 ° C)
≥500 kHz

6.1.3. Test Data:

802.11 b

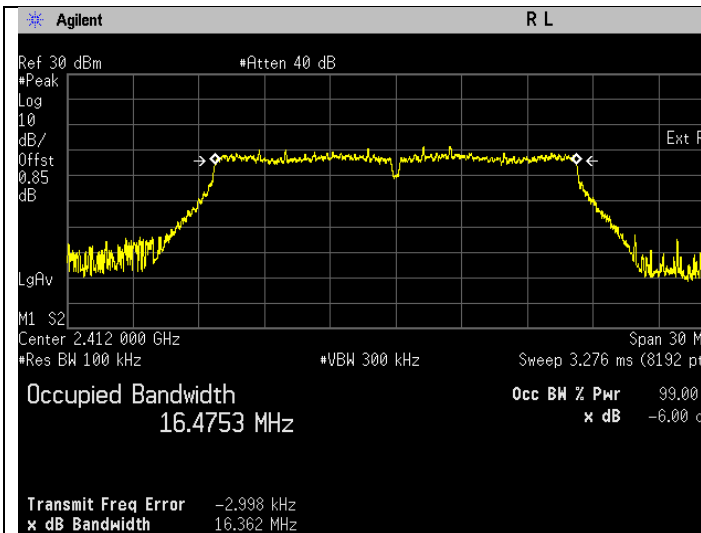
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (Mbps)	Tx (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Status
802.11b	DSSS	BPSK	1	2412	10.063	13.494	Pass
802.11b	DSSS	BPSK	1	2437	10.077	13.496	Pass
802.11b	DSSS	BPSK	1	2462	10.065	13.497	Pass



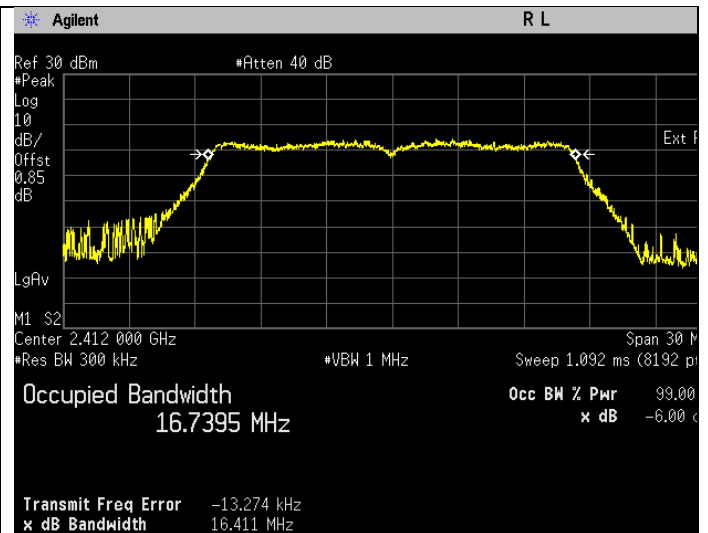


802.11g

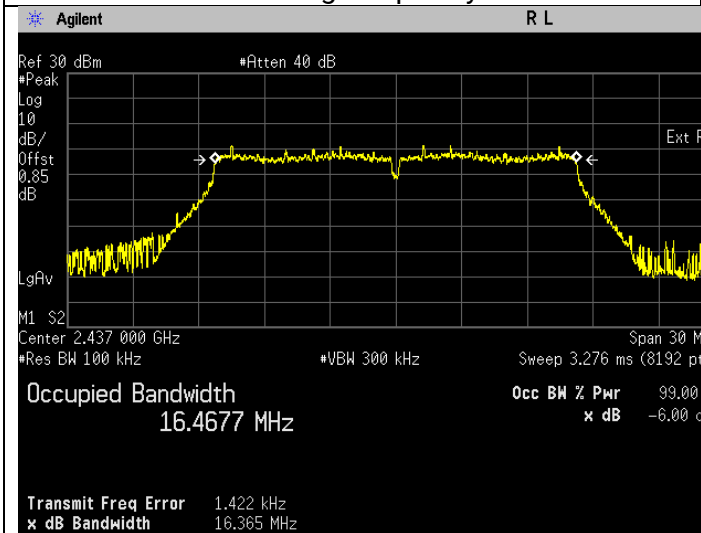
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Status
802.11g	OFDM	BPSK	6	2412	16.362	16.740	Pass
802.11g	OFDM	BPSK	6	2437	16.365	16.746	Pass
802.11g	OFDM	BPSK	6	2462	16.376	16.729	Pass



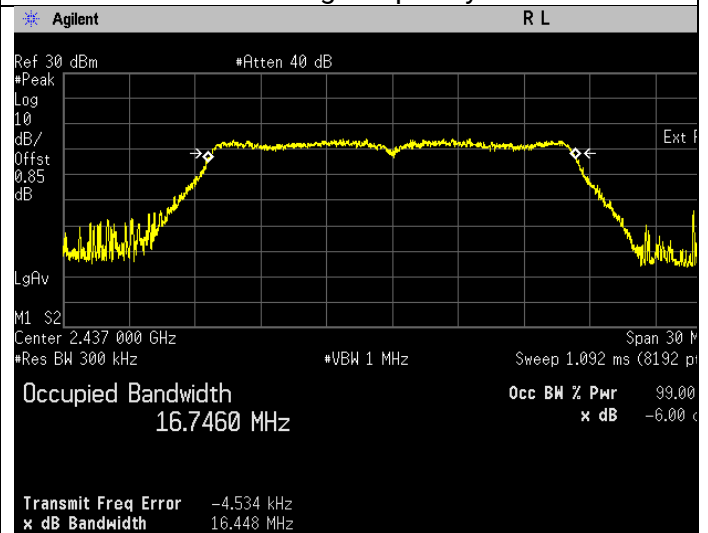
6dB Bandwidth. 802.11g Frequency 2412 MHz.



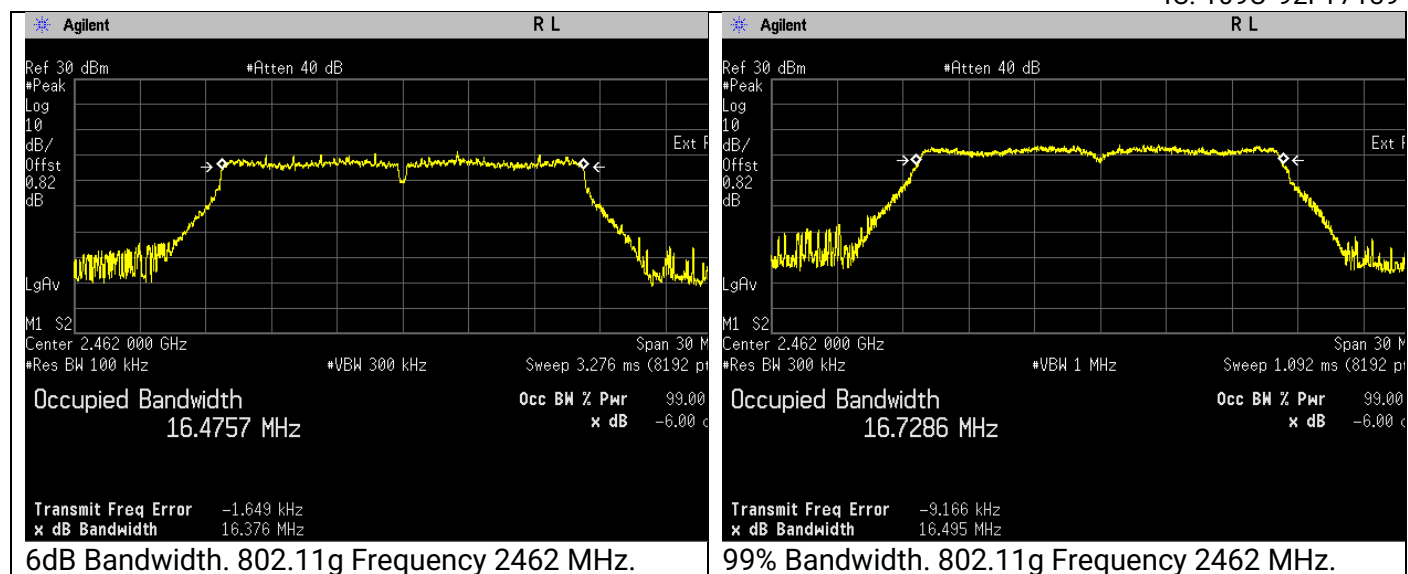
99% Bandwidth. 802.11g Frequency 2412 MHz.



6dB Bandwidth. 802.11g Frequency 2437 MHz.

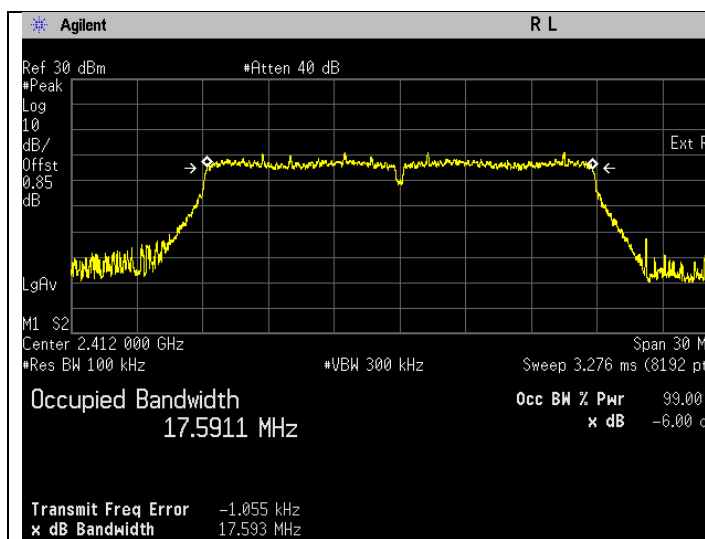


99% Bandwidth. 802.11g Frequency 2437 MHz.

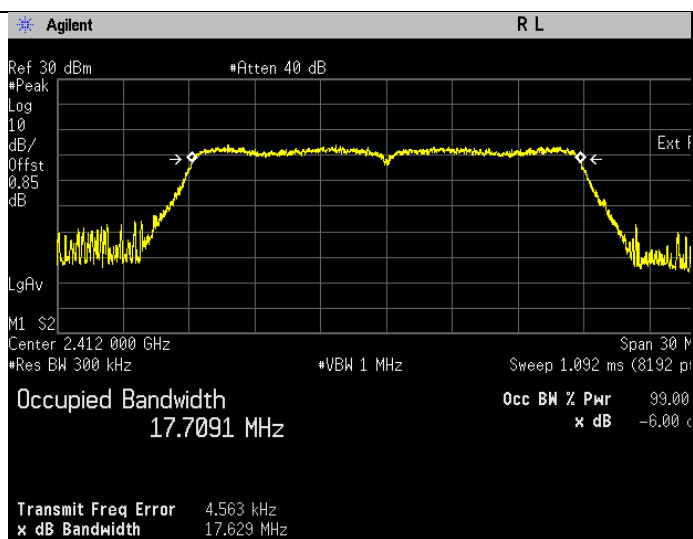


802.11n (HT20)

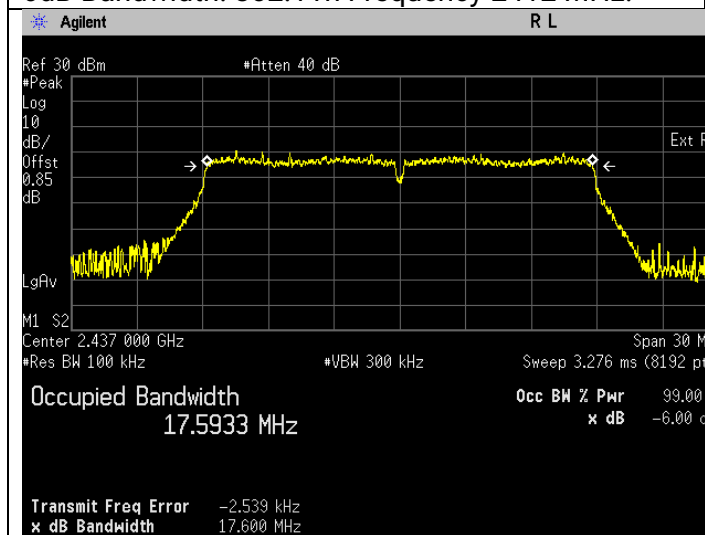
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Status
802.11n	OFDM	BPSK	6.5	2412	17.593	17.709	Pass
802.11n	OFDM	BPSK	6.5	2437	17.600	17.700	Pass
802.11n	OFDM	BPSK	6.5	2462	17.588	17.715	Pass



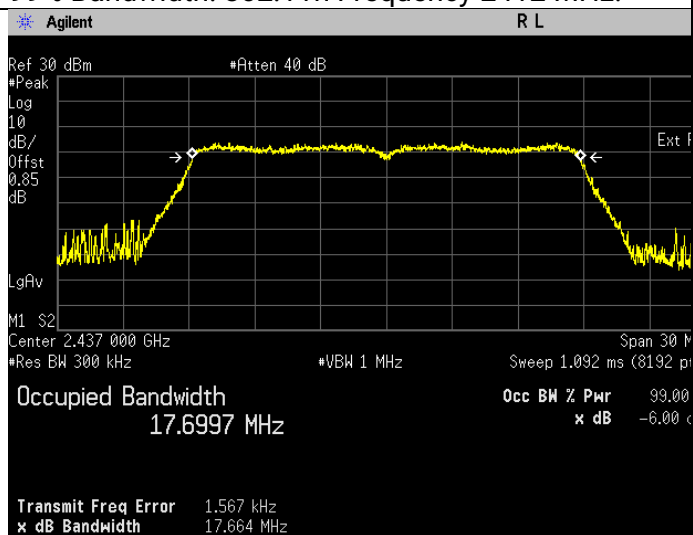
6dB Bandwidth. 802.11n Frequency 2412 MHz.



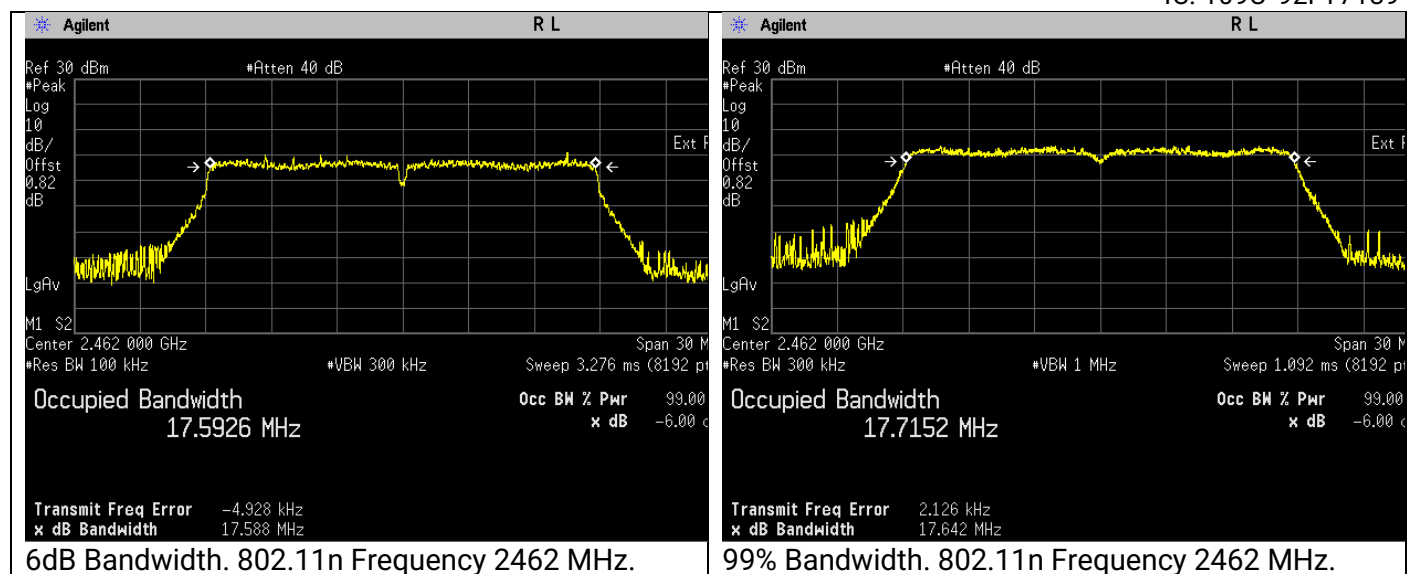
99% Bandwidth. 802.11n Frequency 2412 MHz.



6dB Bandwidth. 802.11n Frequency 2437 MHz.

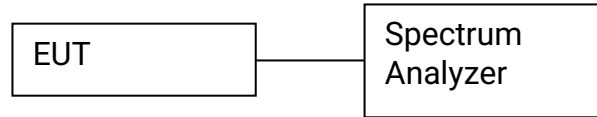


99% Bandwidth. 802.11n Frequency 2437 MHz.



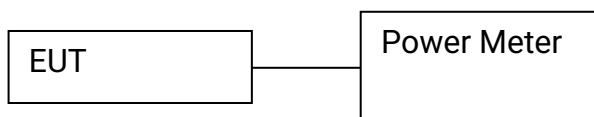
6.2. Conducted RF Output Power

6.2.1. Test Setup



Average

- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Measure the duty cycle of transmitter output signal.
- d) Setting of Spectrum analyzer :
 - a. Set the RBW = 300 kHz.
 - b. Set the VBW $\geq [3 \times \text{RBW}]$.
 - c. Set the span $\geq [1.5 \times \text{OBW bandwidth}]$.
 - d. Detector = average.
 - e. Sweep time = auto couple.
 - f. Trace mode = free run.
 - g. Allow trace to fully stabilize.
- e) Add in duty cycle correction into final test result.
- f) Duty cycle correction is calculated as below:
 $10 \log (1/x)$
- g) Measure every antenna port by repeat the step above for MIMO measurement.



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.

6.2.2. Test Limits:

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

6.2.3. Test Data:

Test was conducted with 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	12.88	Pass
802.11b	DSSS	BPSK	1	2437	12.78	Pass
802.11b	DSSS	BPSK	1	2462	12.63	Pass

802.11g

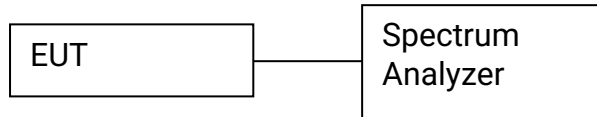
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Output Power (dBm)	Status
802.11g	OFDM	BPSK	6	2412	22.12	Pass
802.11g	OFDM	BPSK	6	2437	22.05	Pass
802.11g	OFDM	BPSK	6	2462	21.89	Pass

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	22.54	Pass
802.11n	OFDM	BPSK	6.5	2437	22.39	Pass
802.11n	OFDM	BPSK	6.5	2462	22.08	Pass

6.3. Duty Cycle of the test signal

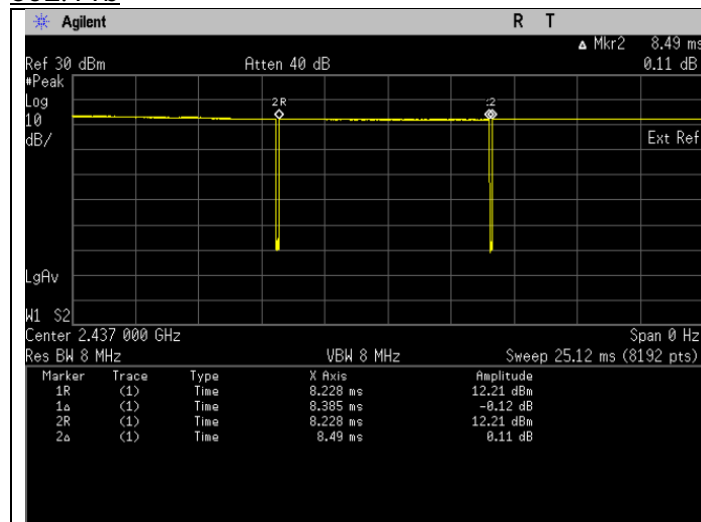
6.3.1. Test Setup



- 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.

6.3.2. Test Data

802.11b



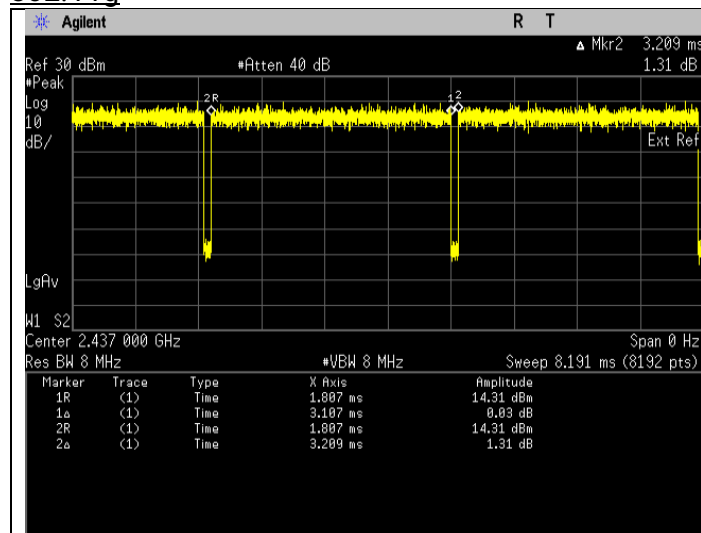
Duty Cycle

On time (ms)	8.385
On + Off Time (ms)	8.490
Duty cycle	0.9876
Duty Cycle factor	0.054

*Duty cycle = On time/ On +off time

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

802.11g



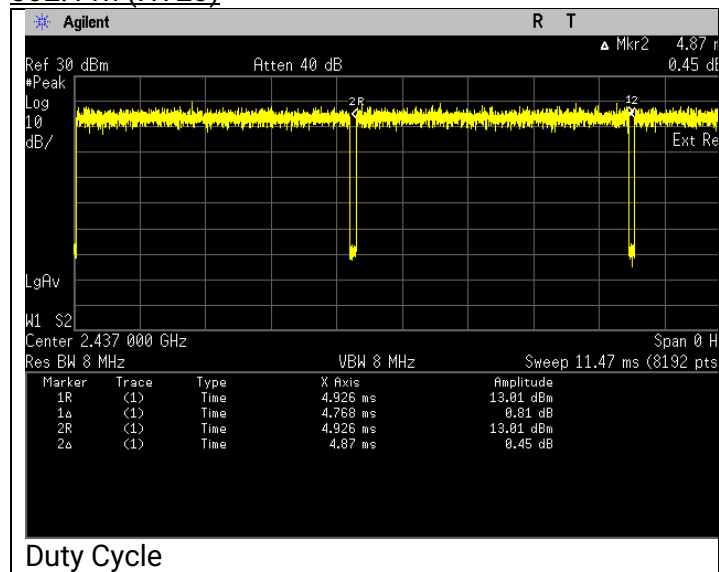
Duty Cycle

On time (ms)	3.105
On + Off Time (ms)	3.209
Duty cycle	0.9676
Duty Cycle factor	0.143

*Duty cycle = On time/ On +off time

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

802.11n (HT20)



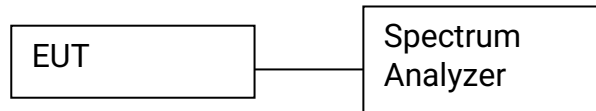
On time (ms)	4.768
On + Off Time (ms)	4.870
Duty cycle	0.9791
Duty Cycle factor	0.010

*Duty cycle = On time/ On +off time

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

6.4. Maximum Peak Power Spectral Density

6.4.1. 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.

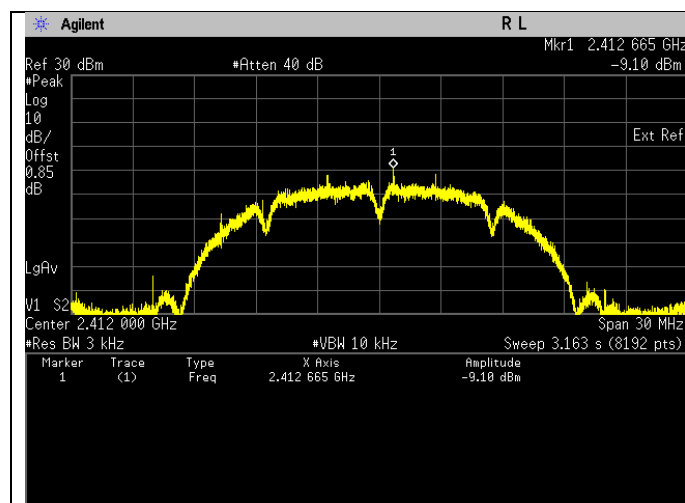
6.4.2. Test Limits

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

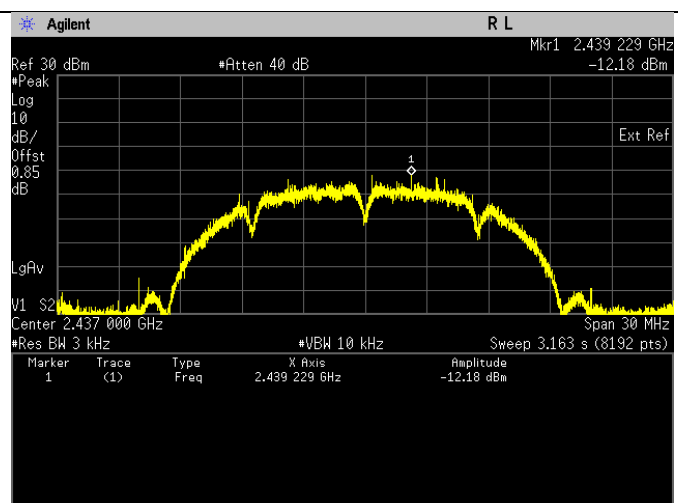
6.4.3. Test Result

802.11b

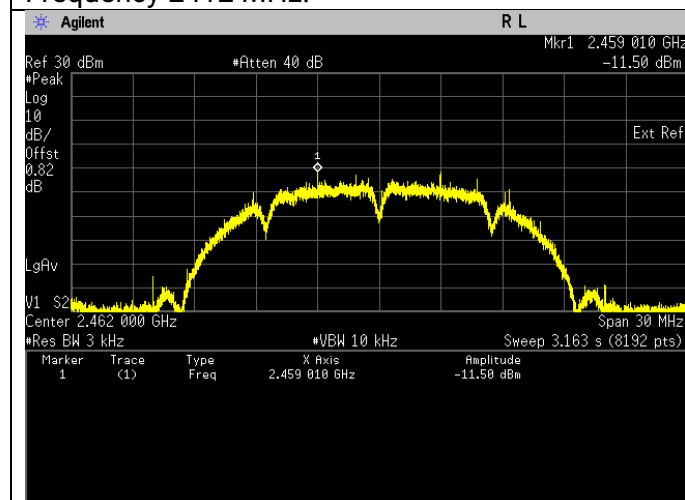
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Power (dBm/3kHz)	Status
802.11b	DSSS	BPSK	1	2412	-9.10	Pass
802.11b	DSSS	BPSK	1	2437	-12.18	Pass
802.11b	DSSS	BPSK	1	2462	-11.50	Pass



Maximum Power Spectral Density. 802.11b
Frequency 2412 MHz.



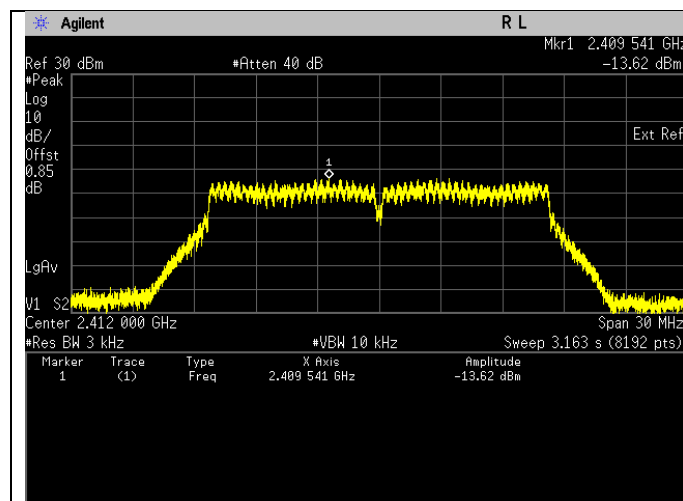
Maximum Power Spectral Density. 802.11b
Frequency 2437 MHz.



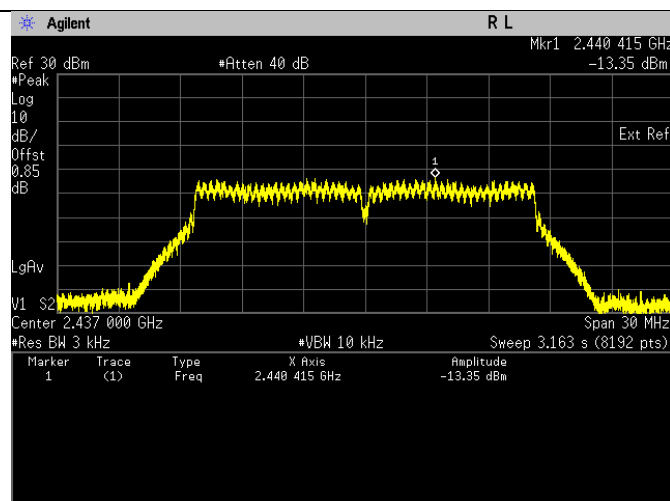
Maximum Power Spectral Density. 802.11b
Frequency 2462 MHz.

802.11g

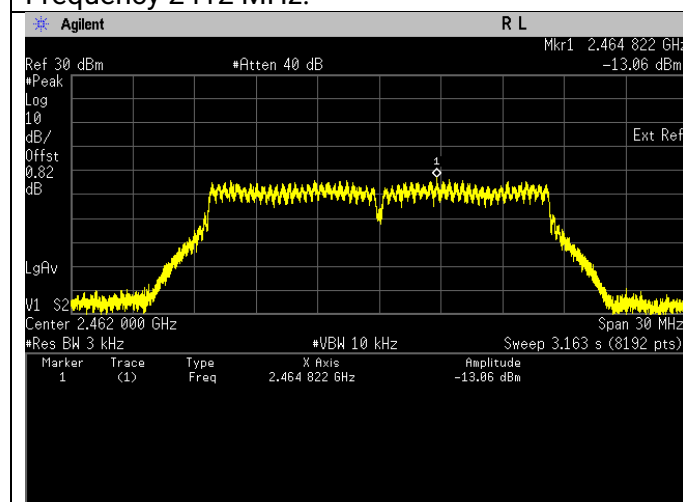
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Power (dBm/3kHz)	Status
802.11g	OFDM	BPSK	6	2412	-13.62	Pass
802.11g	OFDM	BPSK	6	2437	-13.35	Pass
802.11g	OFDM	BPSK	6	2462	-13.06	Pass



Maximum Power Spectral Density. 802.11g
 Frequency 2412 MHz.



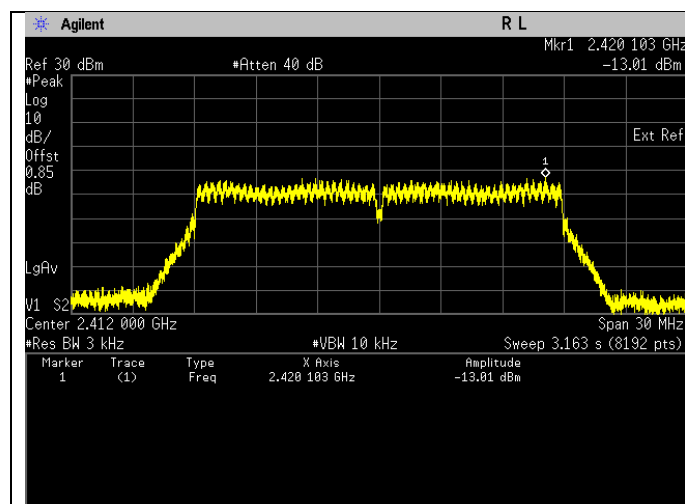
Maximum Power Spectral Density. 802.11g
 Frequency 2437 MHz.



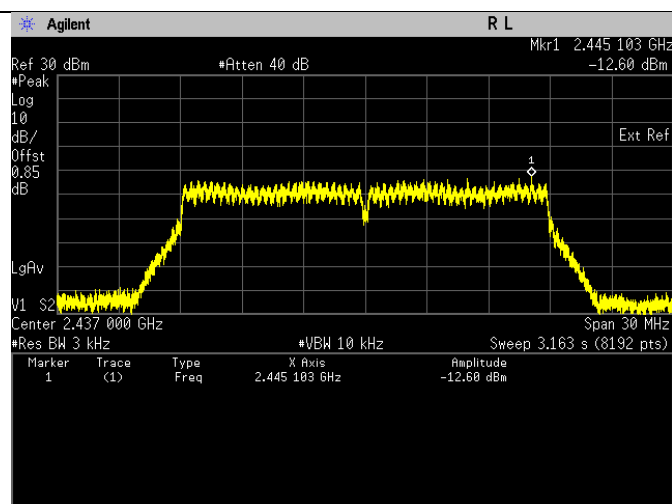
Maximum Power Spectral Density. 802.11g
 Frequency 2462 MHz.

802.11n (HT20)

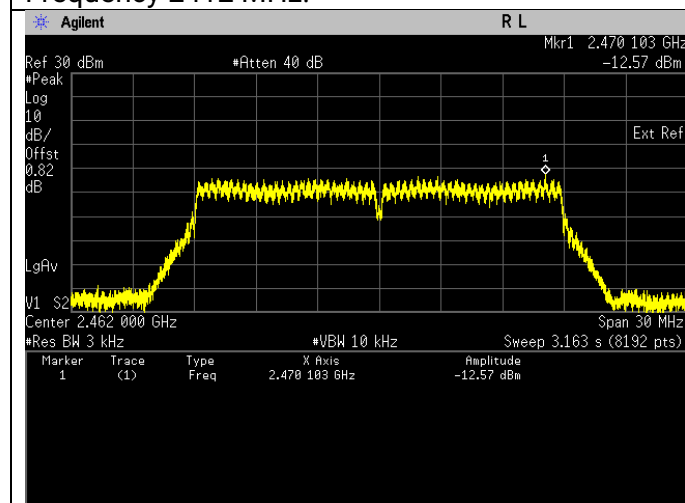
Test Conditions				Test Frequency	Results	
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Power (dBm/3kHz)	Status
802.11n	OFDM	BPSK	6.5	2412	-13.01	Pass
802.11n	OFDM	BPSK	6.5	2437	-12.60	Pass
802.11n	OFDM	BPSK	6.5	2462	-12.57	Pass



Maximum Power Spectral Density. 802.11n
Frequency 2412 MHz.



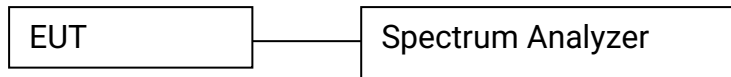
Maximum Power Spectral Density. 802.11n
Frequency 2437 MHz.



Maximum Power Spectral Density. 802.11n
Frequency 2462 MHz.

6.5. Conducted Spurious Emission

6.5.1. 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.

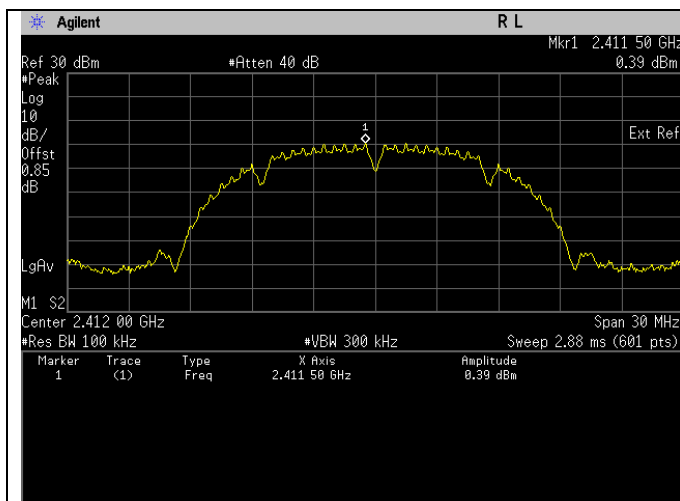
6.5.2. Test Limits:

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

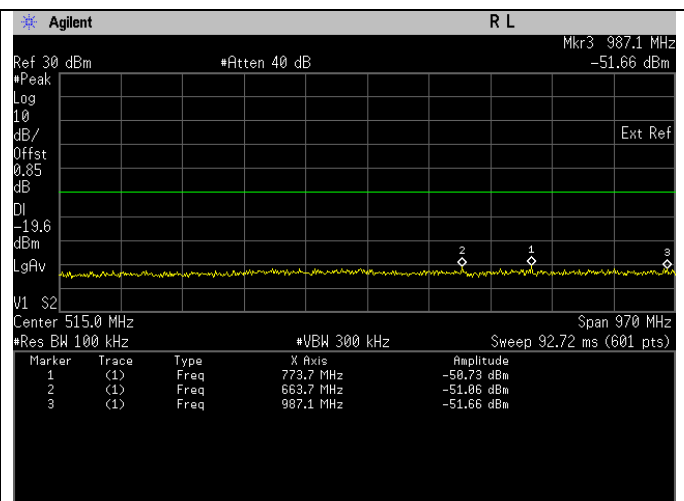
6.5.3. Test Result

802.11b

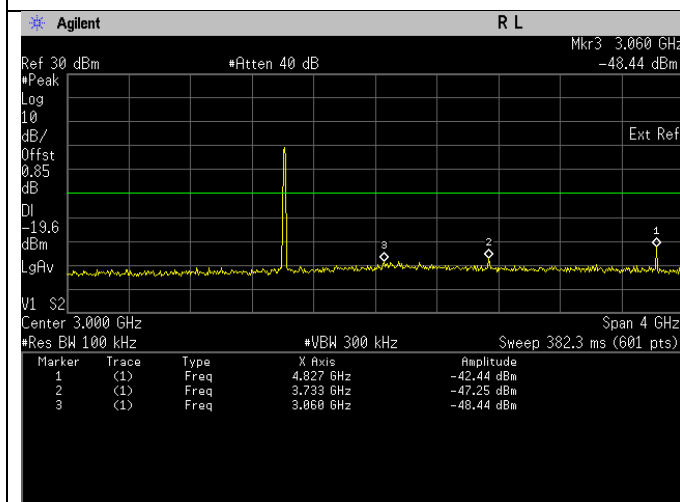
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Spurs (MHz)	Level (dBm)	Status
802.11b	DSSS	BPSK	1	2412	4827.000	-42.44	Pass
					24942.000	-42.59	Pass
					23867.000	-42.90	Pass
802.11b	DSSS	BPSK	1	2437	24758.000	-43.10	Pass
					24900.000	-43.40	Pass
					24733.000	-43.55	Pass
802.11b	DSSS	BPSK	1	2462	24342.000	-42.96	Pass
					24733.000	-43.30	Pass
					24592.000	-43.60	Pass



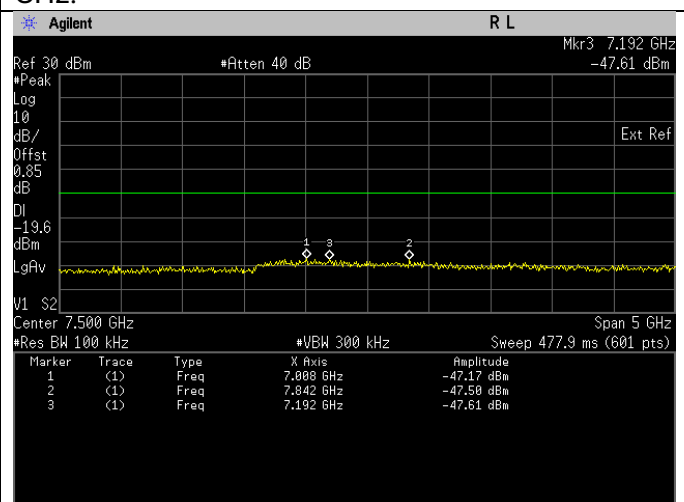
Frequency 2412 MHz. Reference Level.



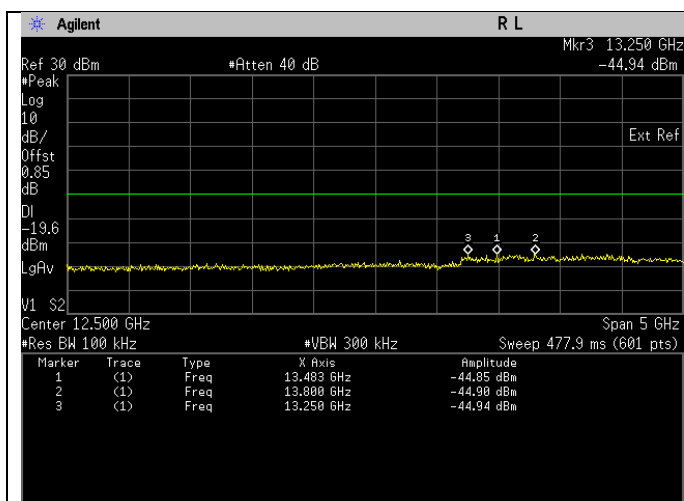
Frequency 2412 MHz. Emission Level, 30 MHz -> 1 GHz.



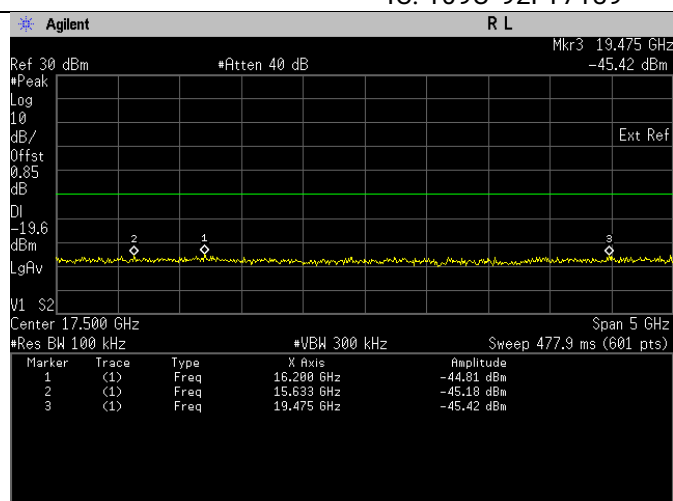
Frequency 2412 MHz. Emission Level, 1 GHz -> 5 GHz.



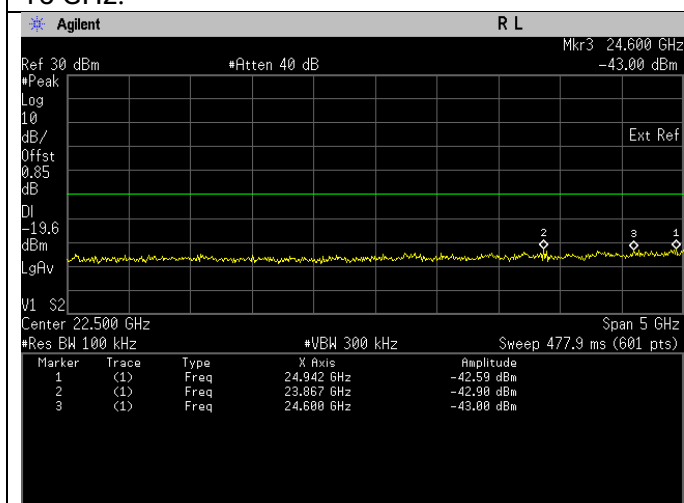
Frequency 2412 MHz. Emission Level, 5 GHz -> 10 GHz.



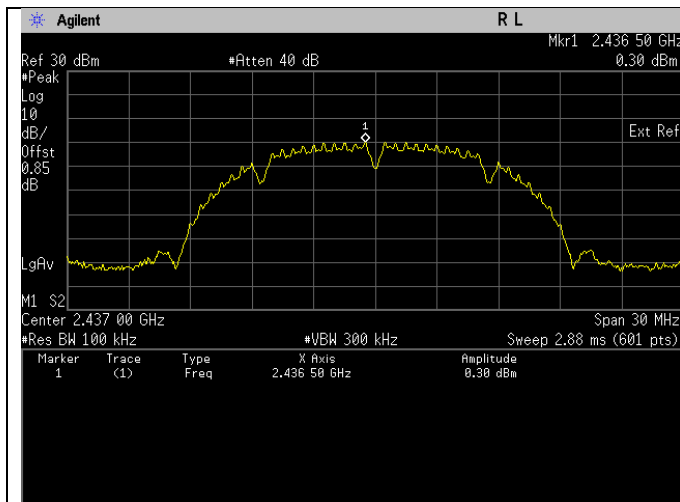
Frequency 2412 MHz. Emission Level, 10 GHz -> 15 GHz.



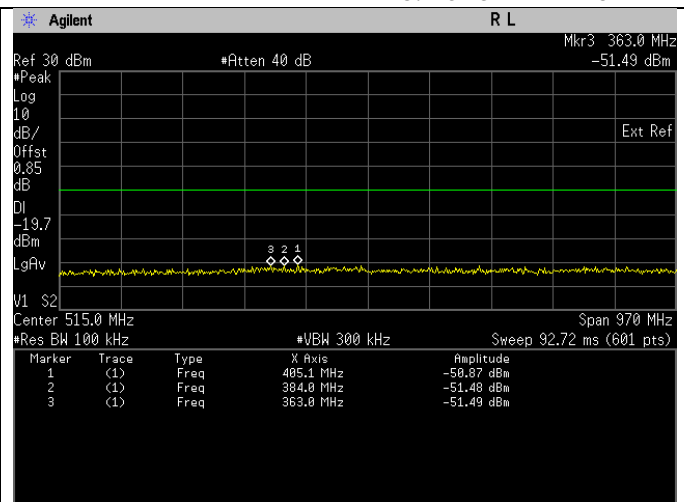
Frequency 2412 MHz. Emission Level, 15 GHz -> 20 GHz.



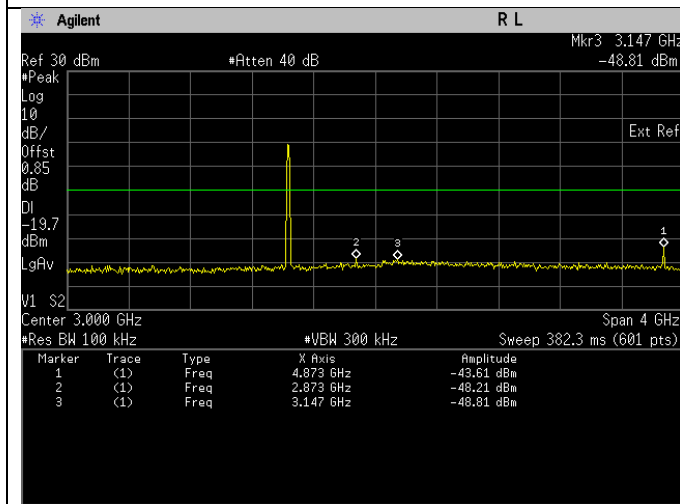
Frequency 2412 MHz Emission Level, 20 GHz -> 25 GHz.



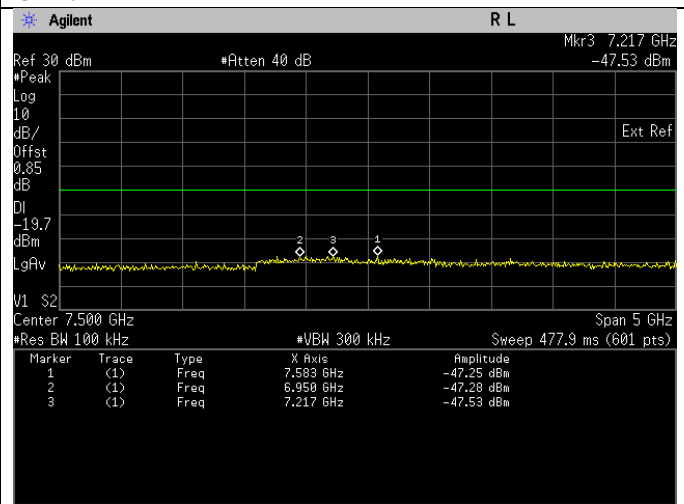
Frequency 2437 MHz. Reference Level.



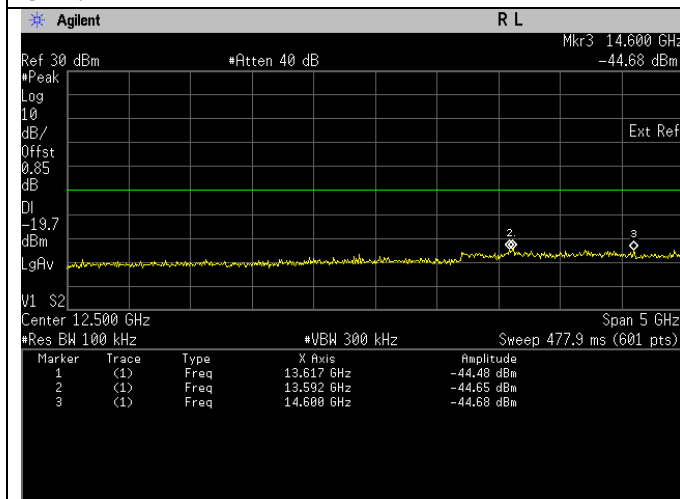
Frequency 2437 MHz. Emission Level, 30 MHz -> 1 GHz.



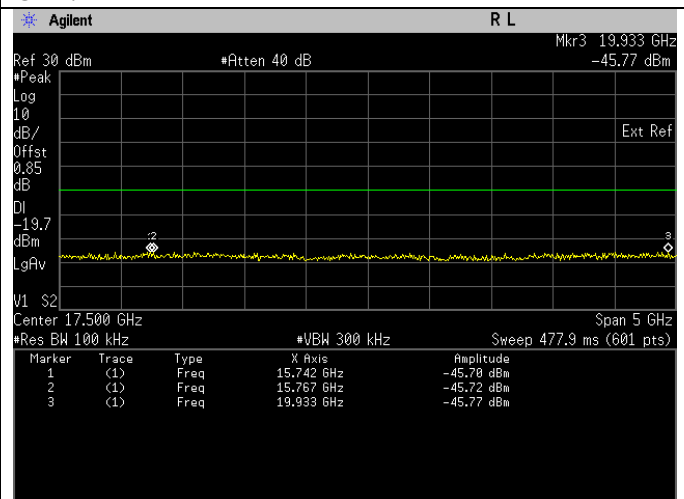
Frequency 2437 MHz. Emission Level, 1 GHz -> 5 GHz.



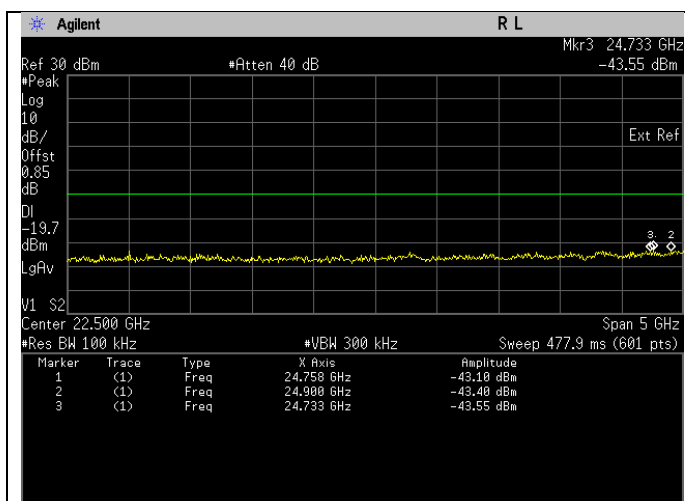
Frequency 2437 MHz. Emission Level, 5 GHz -> 10 GHz.



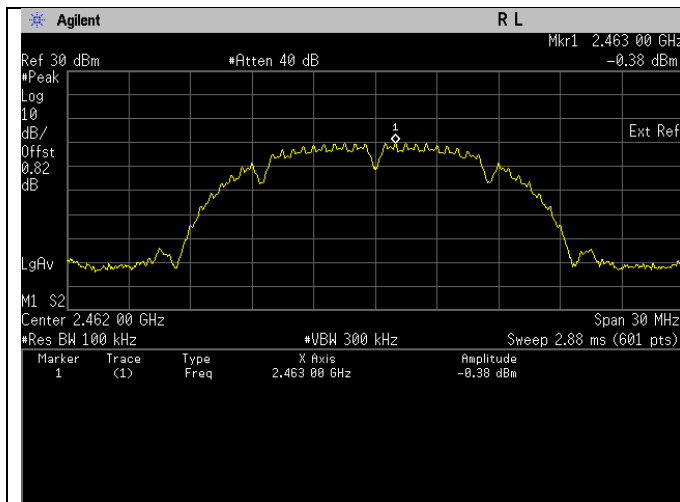
Frequency 2437 MHz. Emission Level, 10 GHz -> 15 GHz.



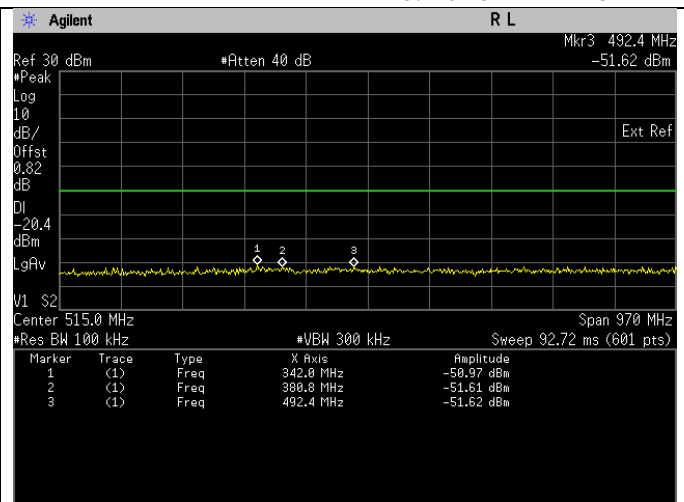
Frequency 2437 MHz. Emission Level, 15 GHz -> 20 GHz.



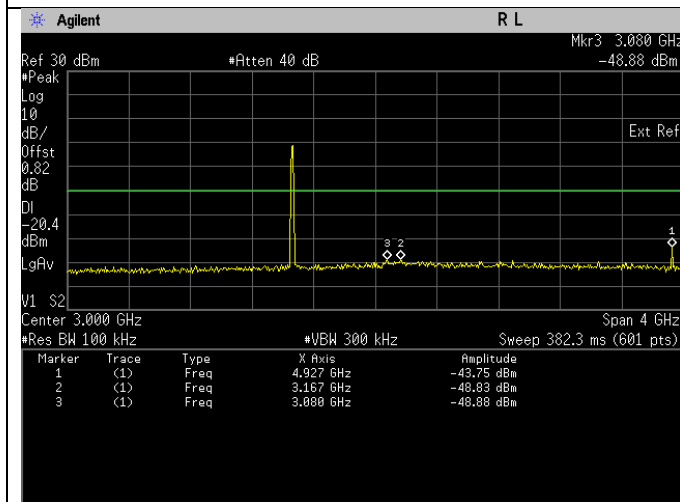
Frequency 2437 MHz Emission Level, 20 GHz -> 25 GHz.



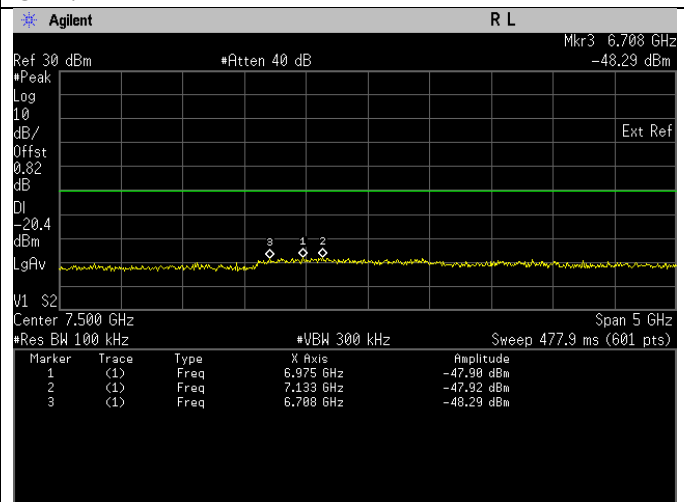
Frequency 2462 MHz. Reference Level.



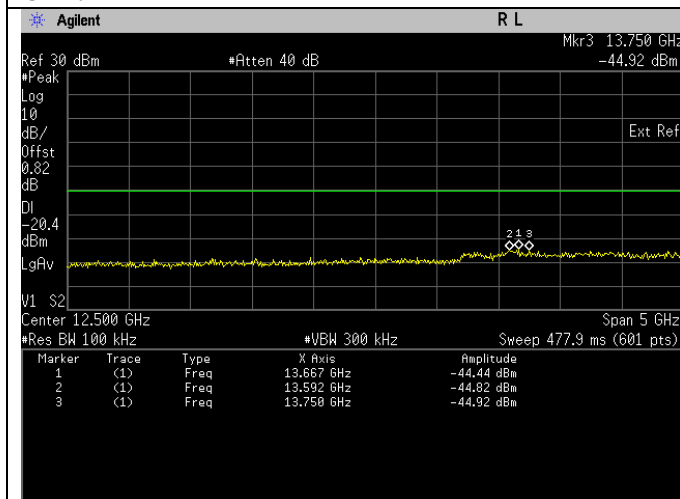
Frequency 2462 MHz. Emission Level, 30 MHz -> 1 GHz.



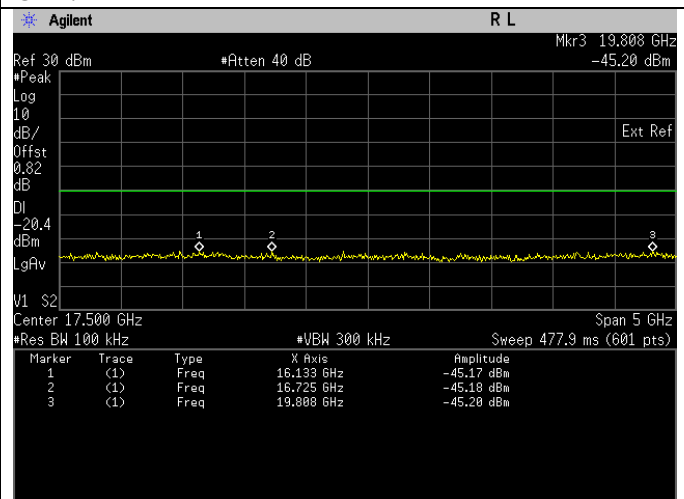
Frequency 2462 MHz. Emission Level, 1 GHz -> 5 GHz.



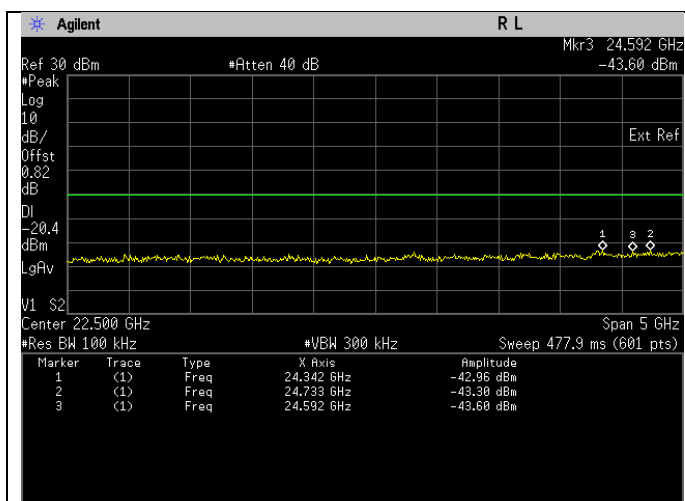
Frequency 2462 MHz. Emission Level, 5 GHz -> 10 GHz.



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



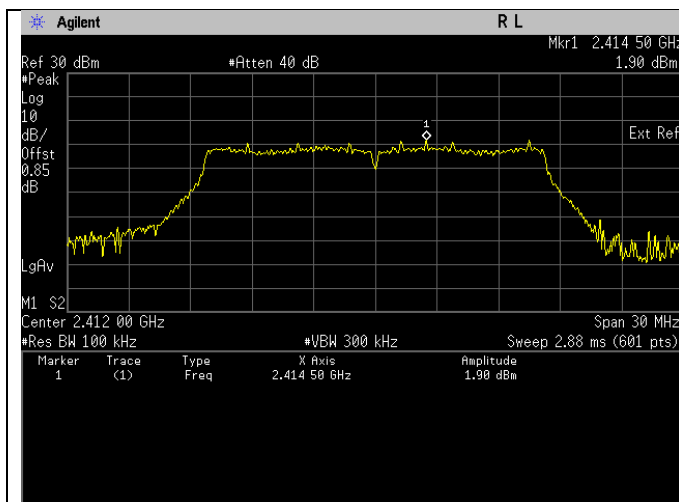
Frequency 2462 MHz. Emission Level, 15 GHz -> 20 GHz.



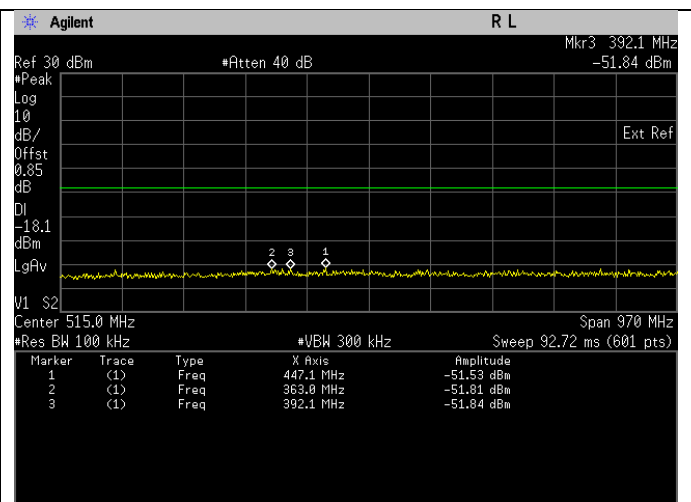
Frequency 2462 MHz Emission Level, 20 GHz -> 25 GHz.

802.11g

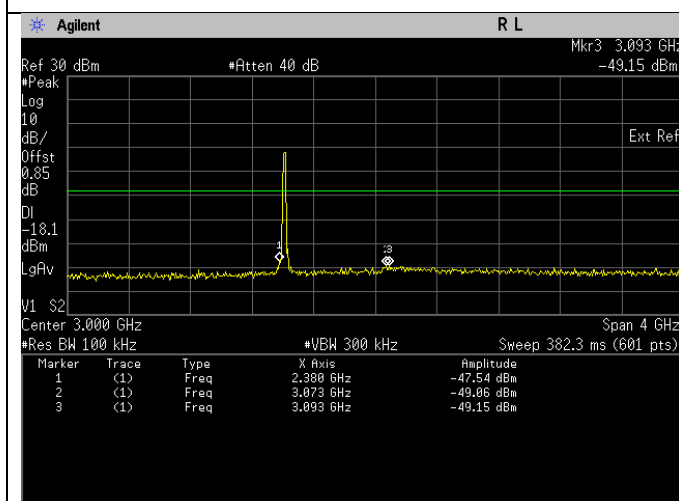
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Spurs (MHz)	Level (dBm)	Status
802.11g	OFDM	BPSK	6	2412	24867.000	-42.89	Pass
					23833.000	-43.37	Pass
					24308.000	-43.39	Pass
802.11g	OFDM	BPSK	6	2437	23808.000	-43.25	Pass
					24925.000	-43.39	Pass
					24875.000	-43.73	Pass
802.11g	OFDM	BPSK	6	2462	24700.000	-43.43	Pass
					24725.000	-43.47	Pass
					24292.000	-43.57	Pass



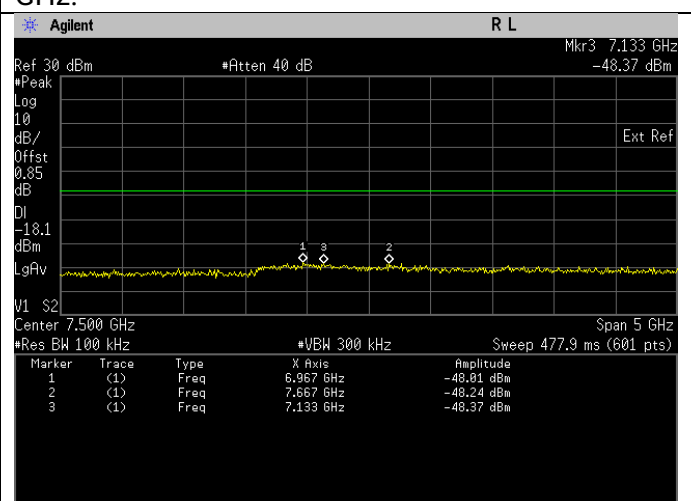
Frequency 2412 MHz. Reference Level.



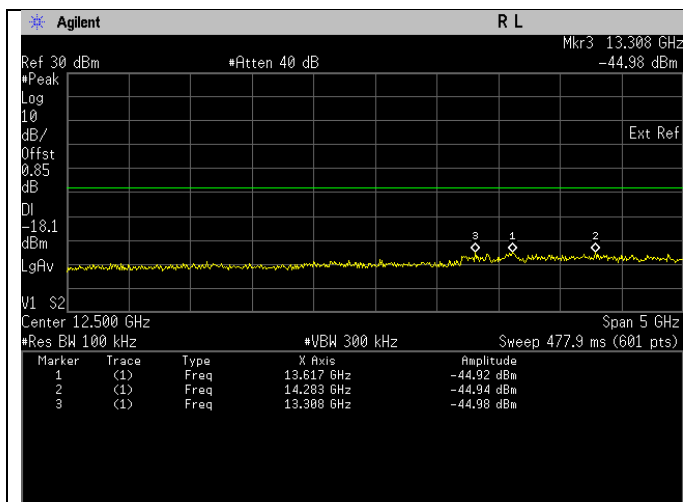
Frequency 2412 MHz. Emission Level, 30 MHz -> 1 GHz.



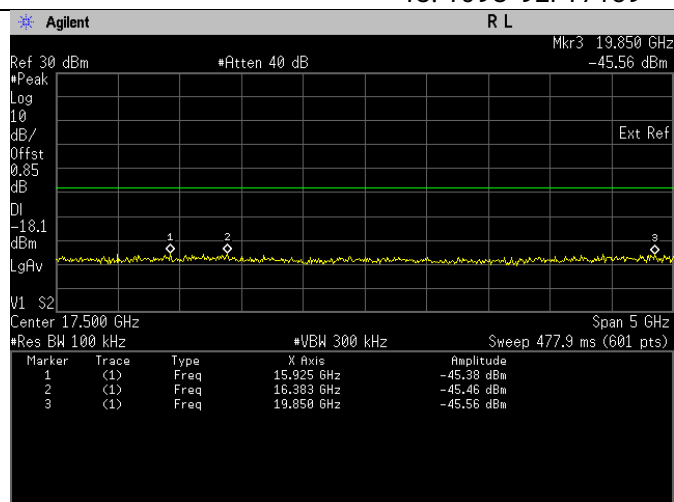
Frequency 2412 MHz. Emission Level, 1 GHz -> 5 GHz.



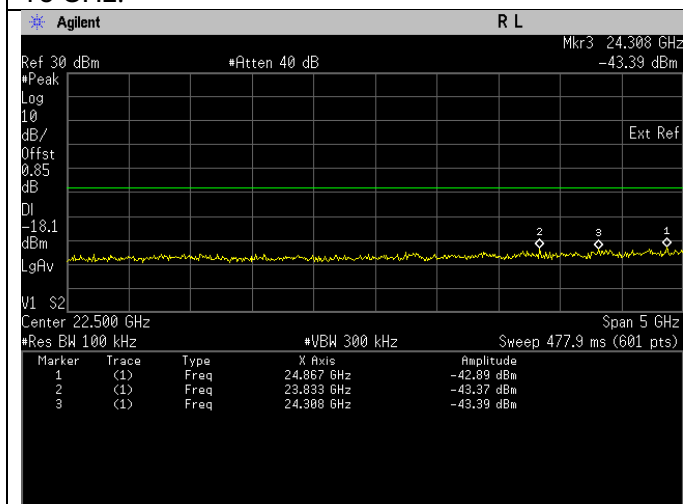
Frequency 2412 MHz. Emission Level, 5 GHz -> 10 GHz.



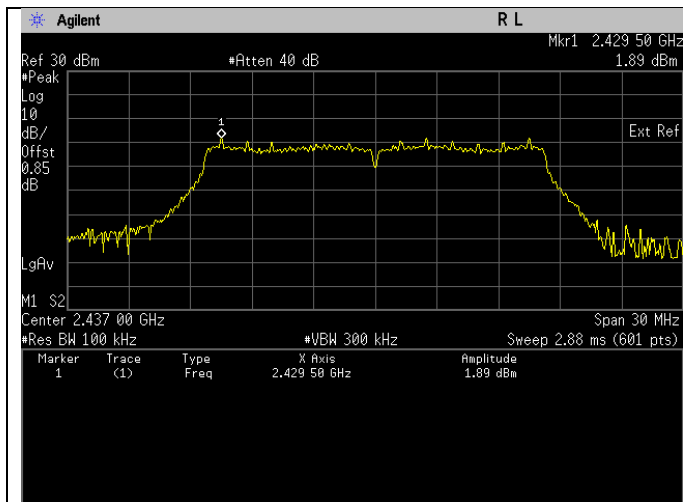
Frequency 2412 MHz. Emission Level, 10 GHz -> 15 GHz.



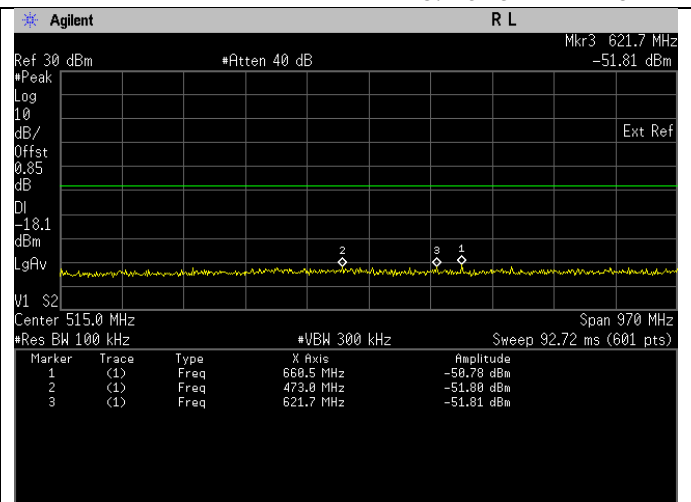
Frequency 2412 MHz. Emission Level, 15 GHz -> 20 GHz.



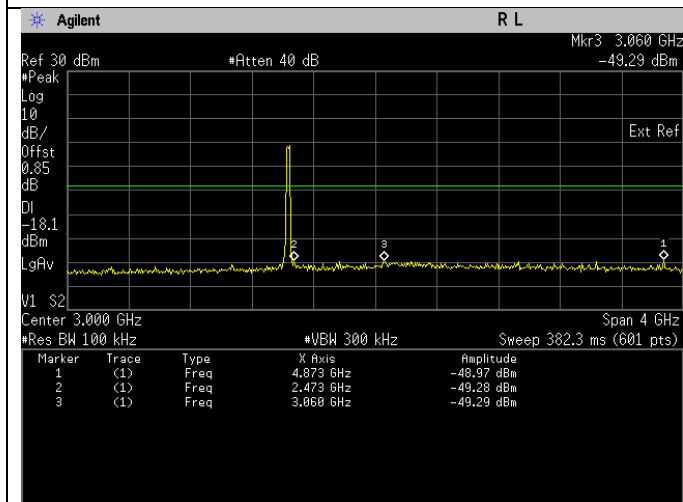
Frequency 2412 MHz Emission Level, 20 GHz -> 25 GHz.



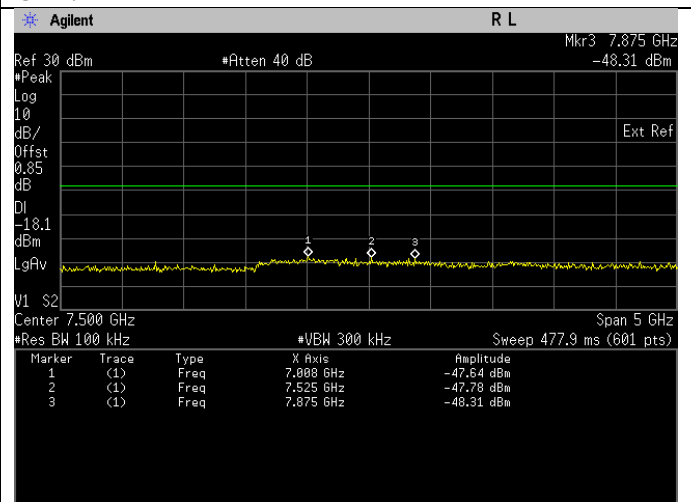
Frequency 2437 MHz. Reference Level.



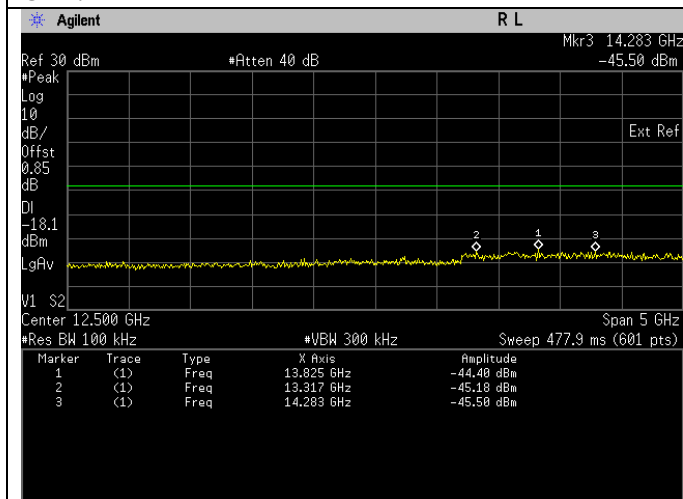
Frequency 2437 MHz. Emission Level, 30 MHz -> 1 GHz.



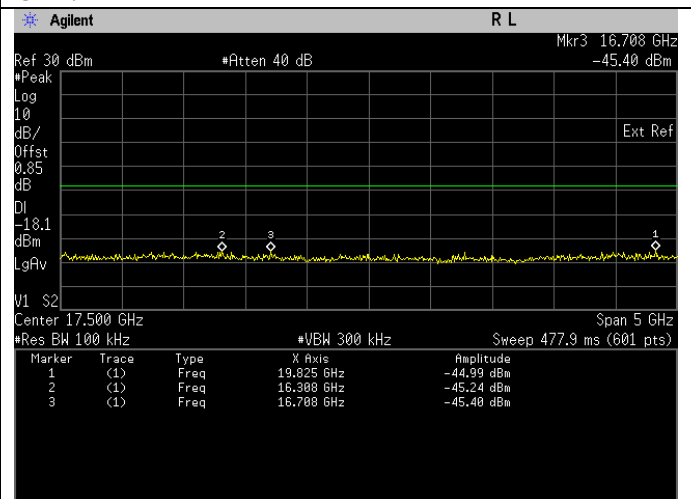
Frequency 2437 MHz. Emission Level, 1 GHz -> 5 GHz.



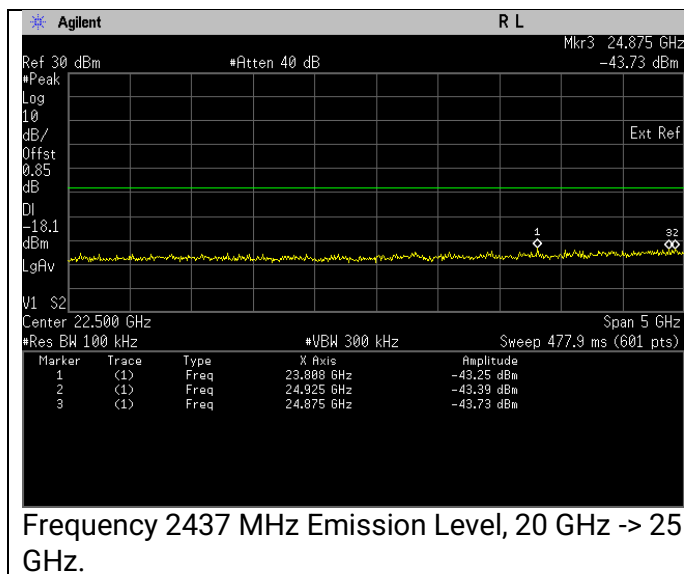
Frequency 2437 MHz. Emission Level, 5 GHz -> 10 GHz.

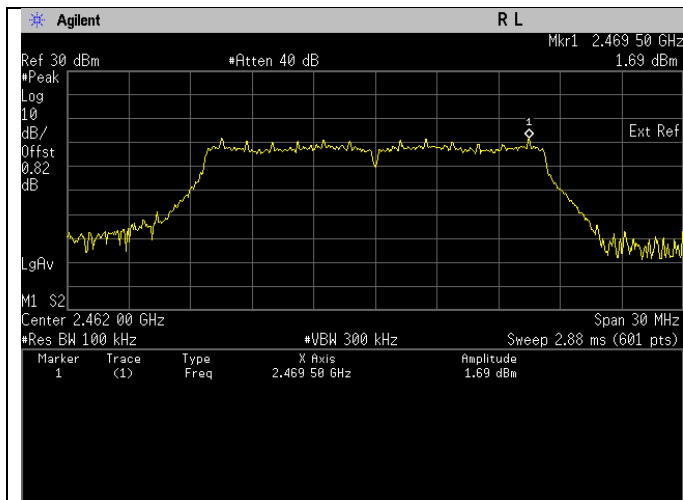


Frequency 2437 MHz. Emission Level, 10 GHz -> 15 GHz.

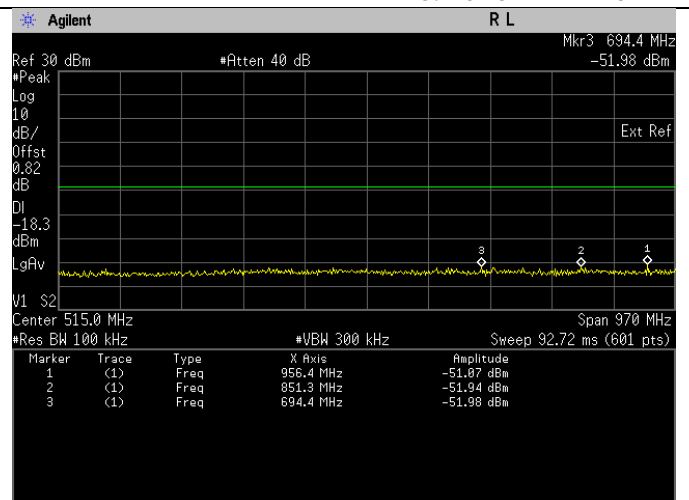


Frequency 2437 MHz. Emission Level, 15 GHz -> 20 GHz.

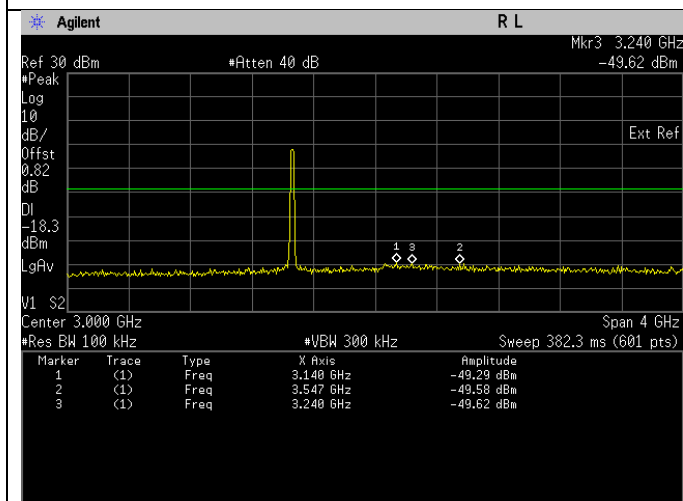




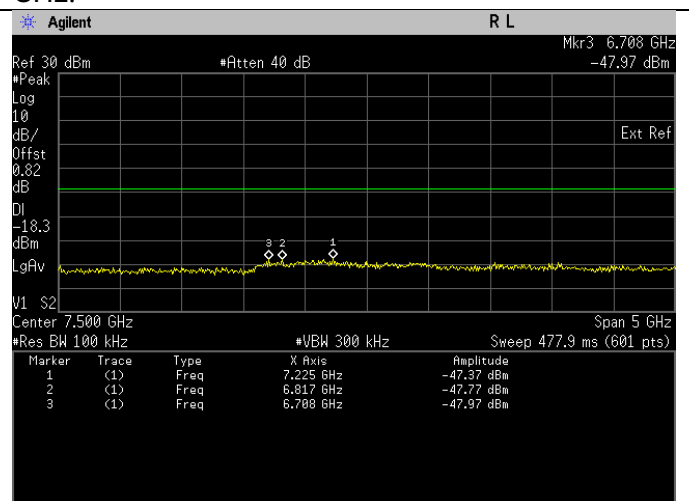
Frequency 2462 MHz. Reference Level.



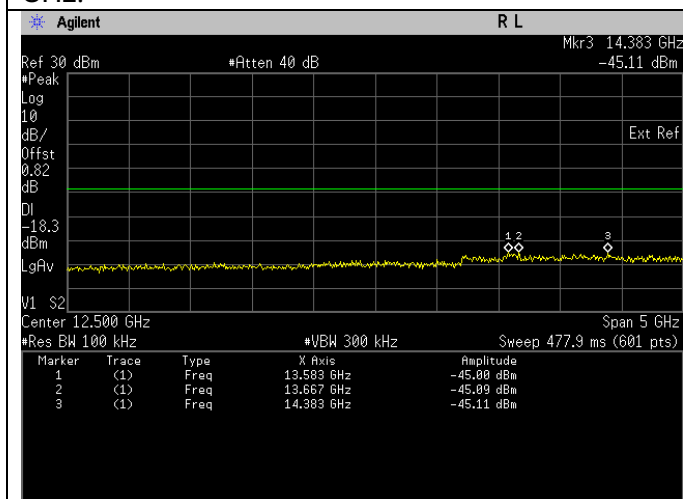
Frequency 2462 MHz. Emission Level, 30 MHz -> 1 GHz.



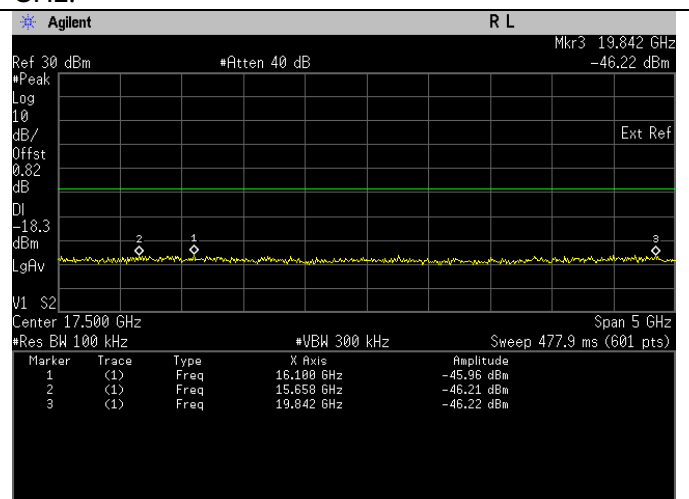
Frequency 2462 MHz. Emission Level, 1 GHz -> 5 GHz.



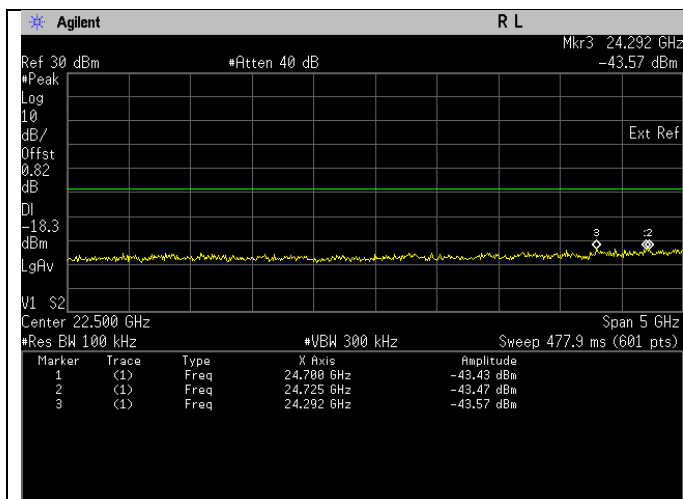
Frequency 2462 MHz. Emission Level, 5 GHz -> 10 GHz.



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



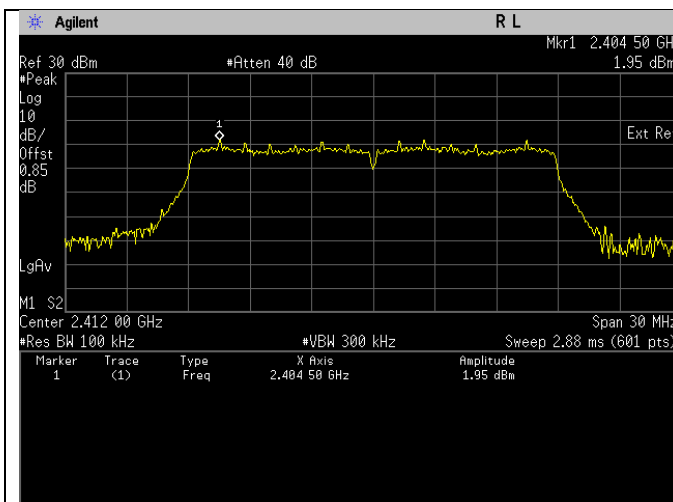
Frequency 2462 MHz. Emission Level, 15 GHz -> 20 GHz.



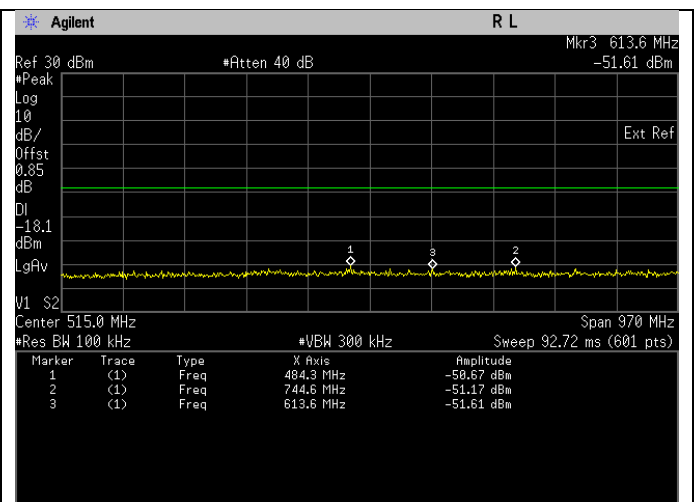
Frequency 2462 MHz Emission Level, 20 GHz -> 25 GHz.

802.11n (HT20)

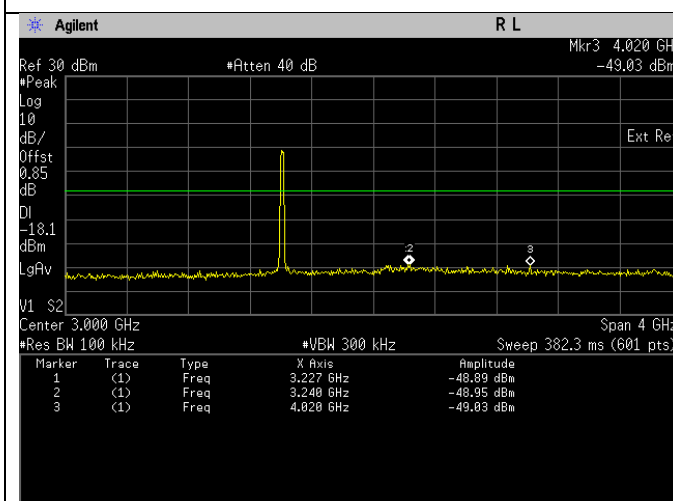
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Spurs (MHz)	Level (dBm)	Status
802.11n	OFDM	BPSK	6.5	2412	24408.000	-43.60	Pass
					24292.000	-43.61	Pass
					24675.000	-43.83	Pass
802.11n	OFDM	BPSK	6.5	2437	24975.000	-43.75	Pass
					24317.000	-43.78	Pass
					24742.000	-44.02	Pass
802.11n	OFDM	BPSK	6.5	2462	24900.000	-42.59	Pass
					24925.000	-42.87	Pass
					24983.000	-43.28	Pass



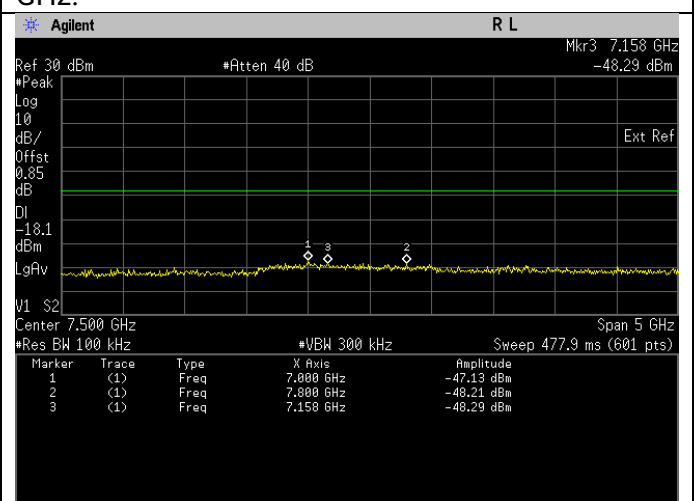
Frequency 2412 MHz. Reference Level.



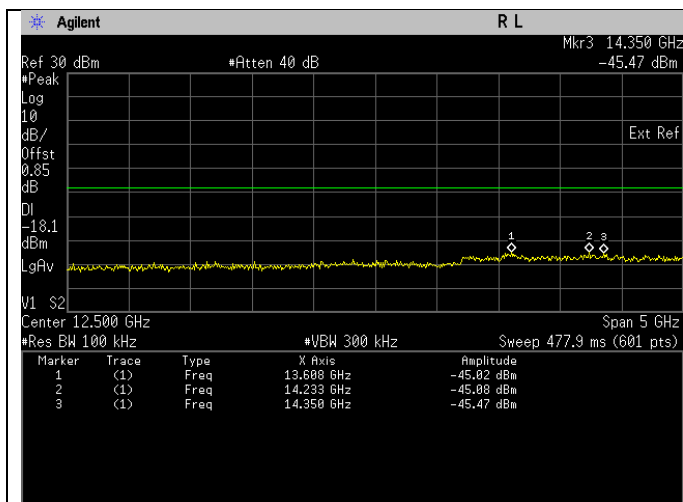
Frequency 2412 MHz. Emission Level, 30 MHz -> 1 GHz.



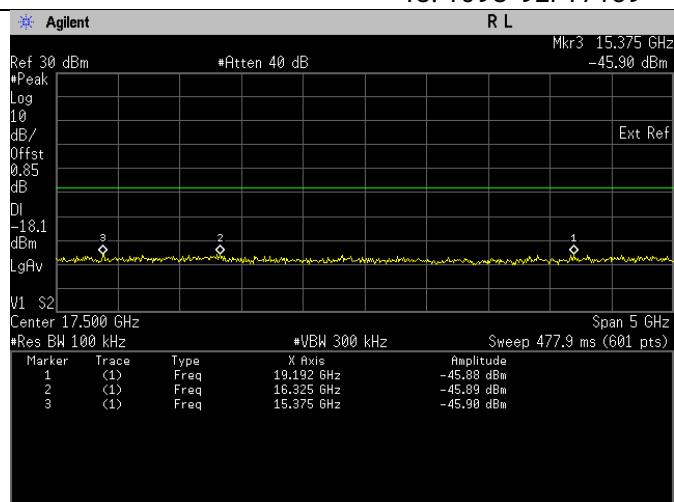
Frequency 2412 MHz. Emission Level, 1 GHz -> 5 GHz.



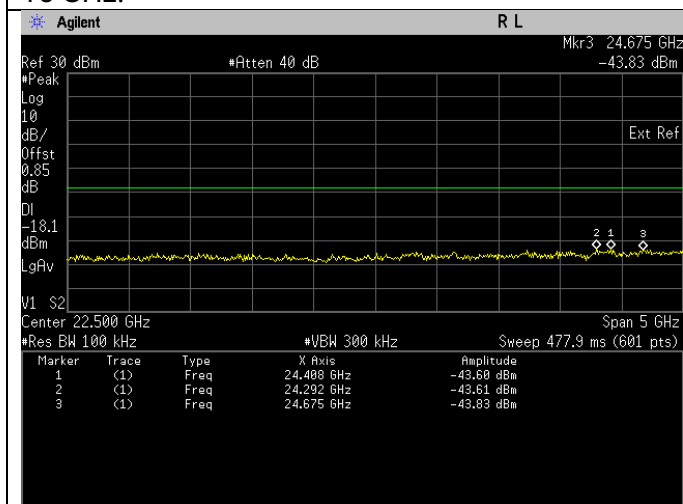
Frequency 2412 MHz. Emission Level, 5 GHz -> 10 GHz.



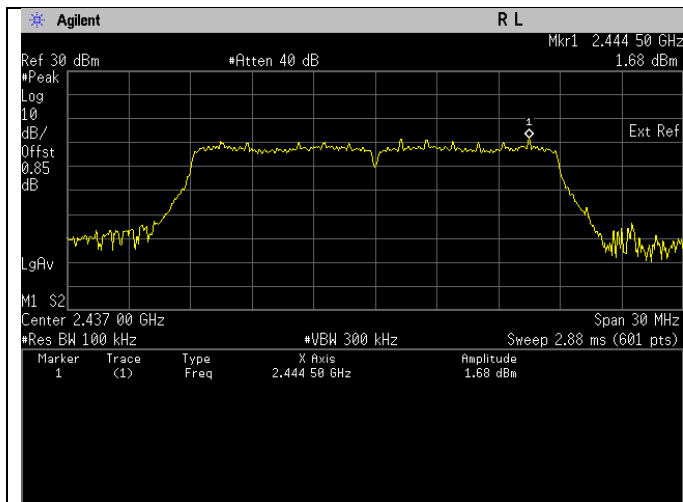
Frequency 2412 MHz. Emission Level, 10 GHz -> 15 GHz.



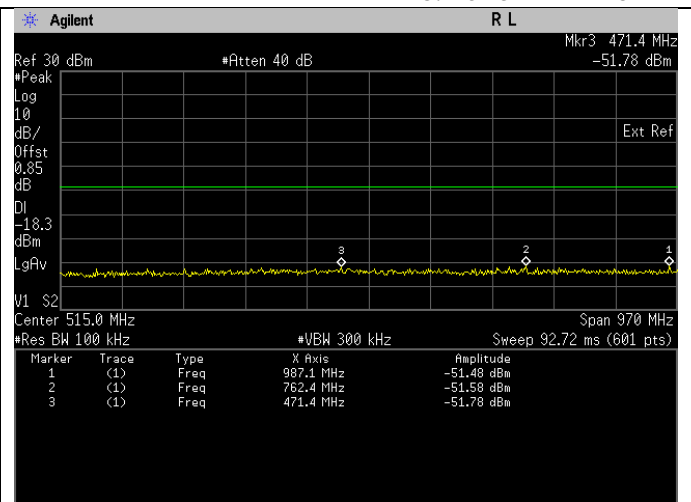
Frequency 2412 MHz. Emission Level, 15 GHz -> 20 GHz.



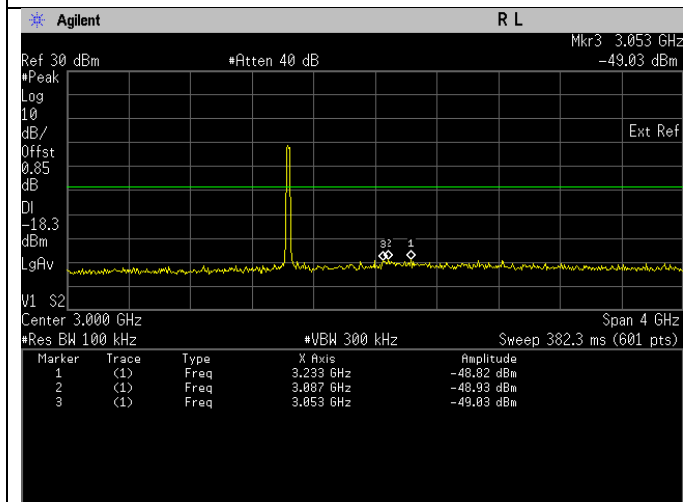
Frequency 2412 MHz Emission Level, 20 GHz -> 25 GHz.



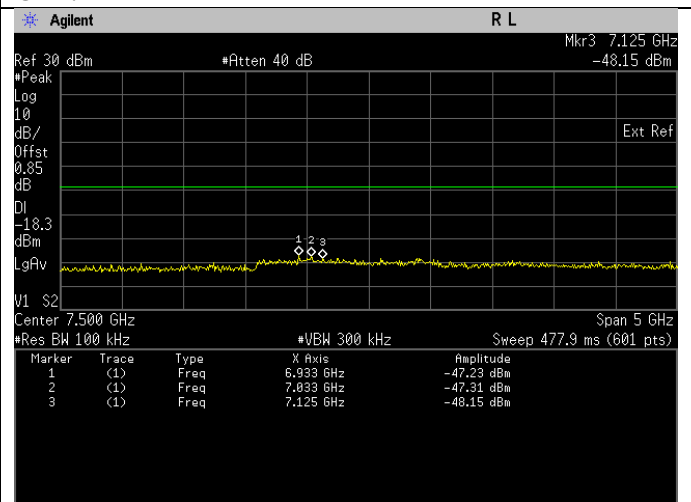
Frequency 2437 MHz. Reference Level.



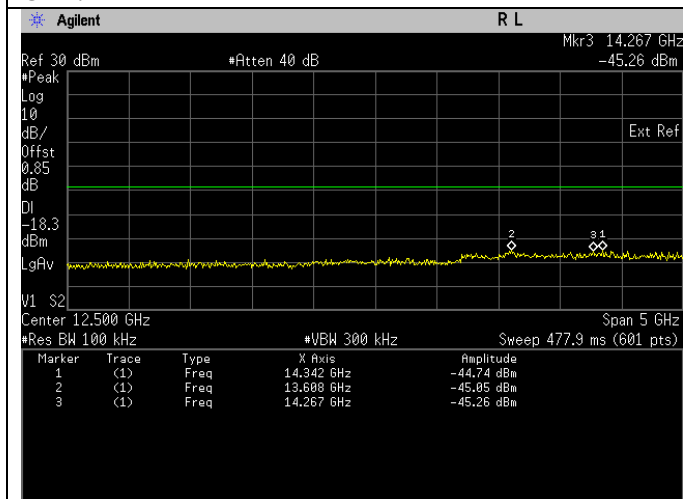
Frequency 2437 MHz. Emission Level, 30 MHz -> 1 GHz.



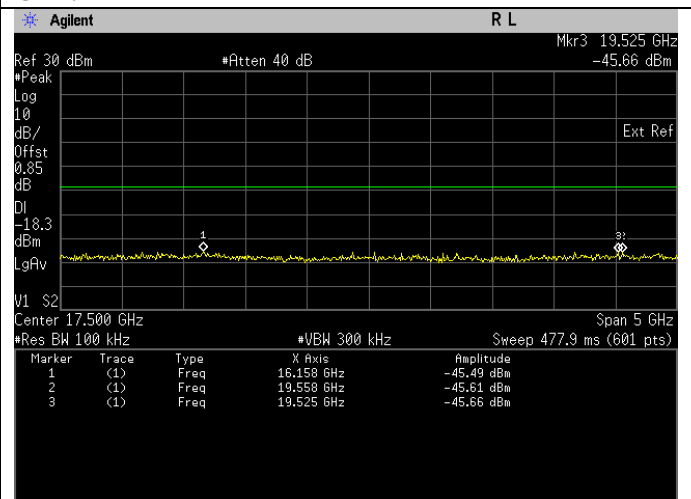
Frequency 2437 MHz. Emission Level, 1 GHz -> 5 GHz.



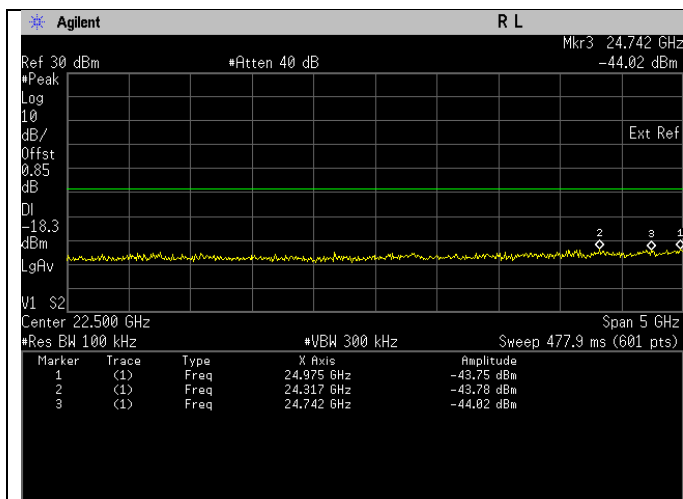
Frequency 2437 MHz. Emission Level, 5 GHz -> 10 GHz.



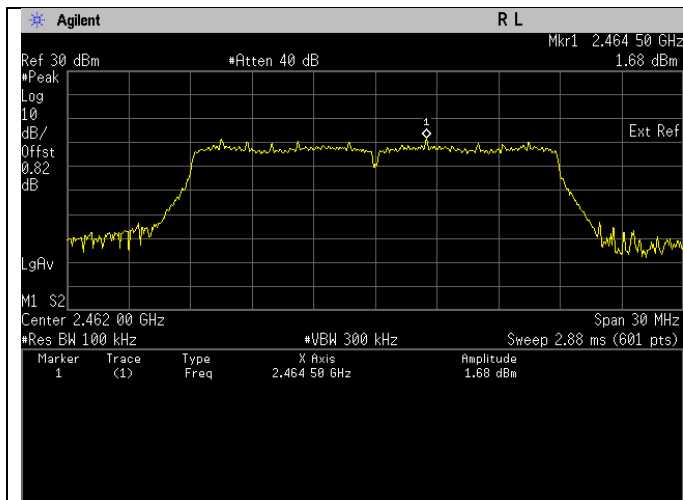
Frequency 2437 MHz. Emission Level, 10 GHz -> 15 GHz.



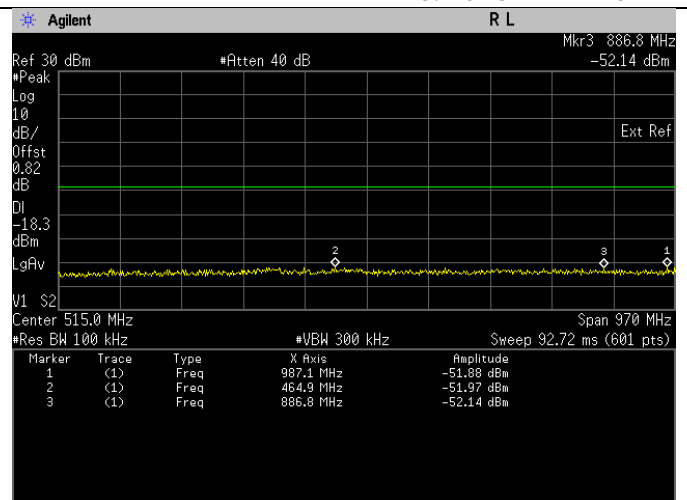
Frequency 2437 MHz. Emission Level, 15 GHz -> 20 GHz.



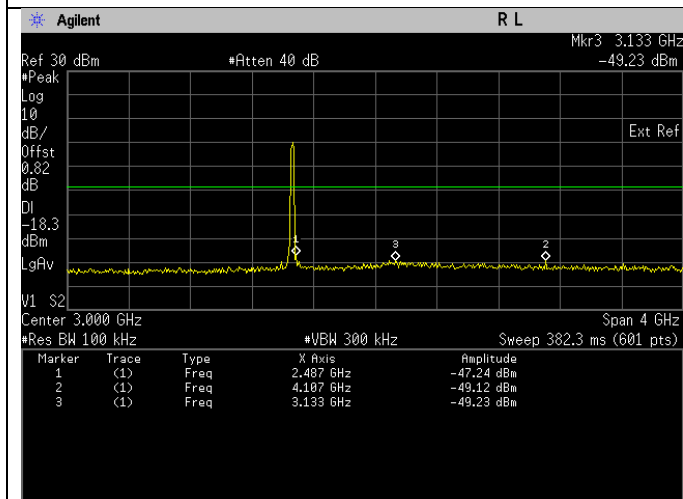
Frequency 2437 MHz Emission Level, 20 GHz -> 25 GHz.



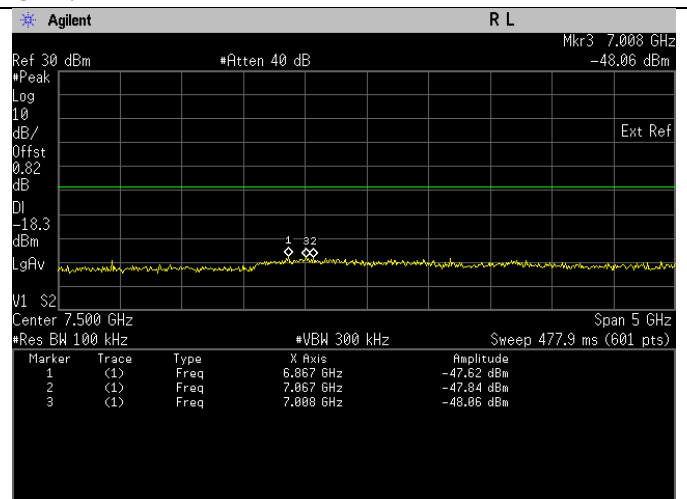
Frequency 2462 MHz. Reference Level.



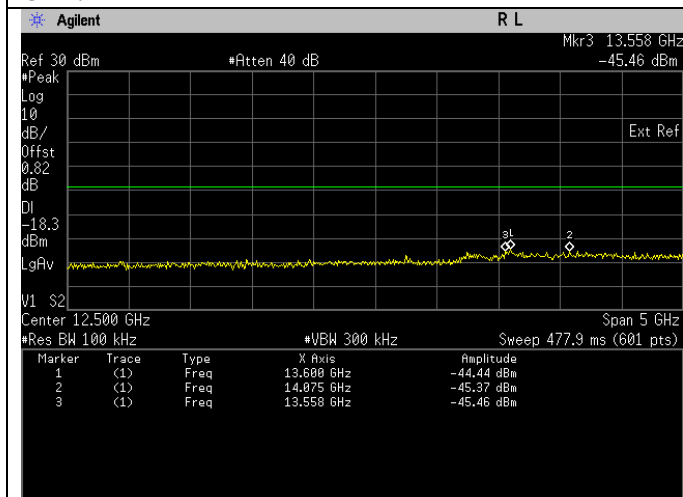
Frequency 2462 MHz. Emission Level, 30 MHz -> 1 GHz.



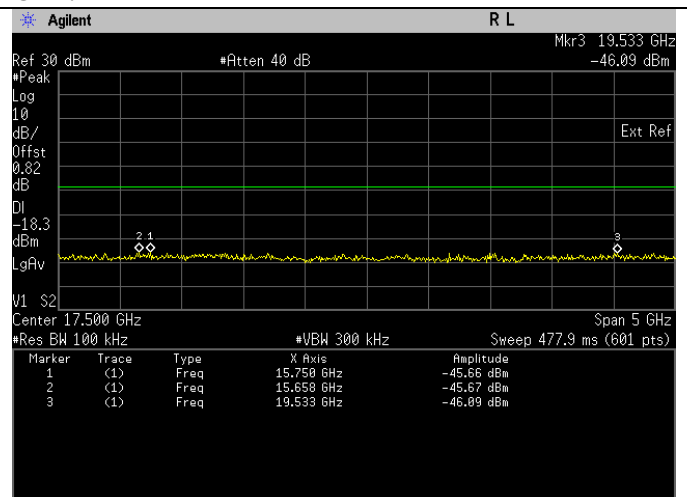
Frequency 2462 MHz. Emission Level, 1 GHz -> 5 GHz.



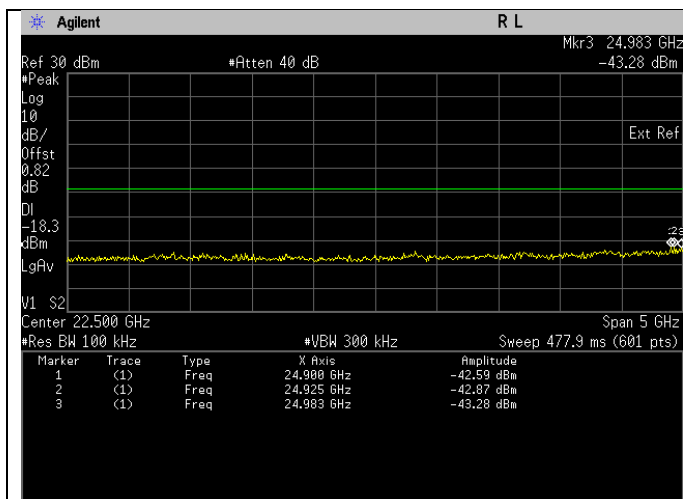
Frequency 2462 MHz. Emission Level, 5 GHz -> 10 GHz.



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



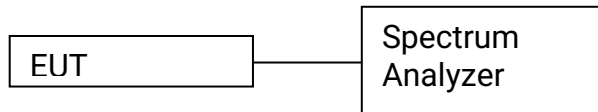
Frequency 2462 MHz. Emission Level, 15 GHz -> 20 GHz.



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

6.6. Band edge Conducted Spurious Emission

6.6.1. 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.

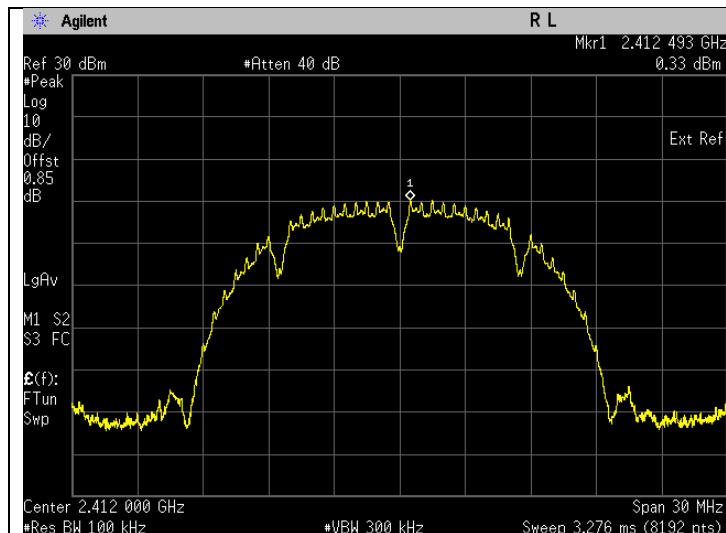
6.6.2. Test Limits:

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

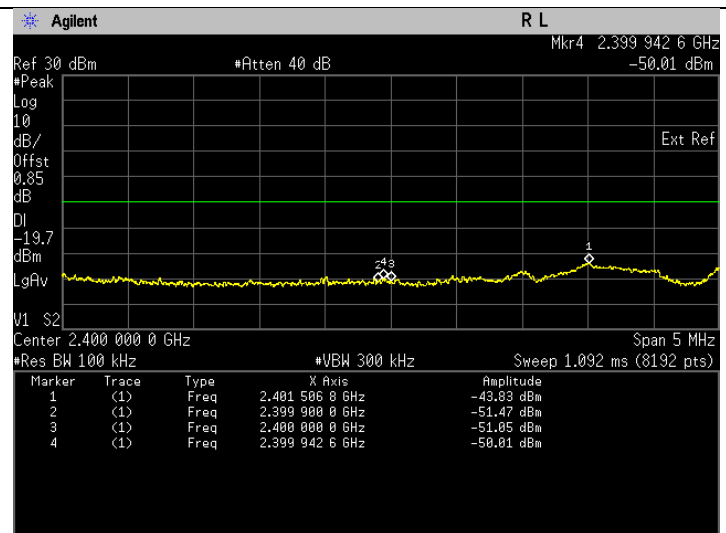
6.6.3. Test Result

802.11b

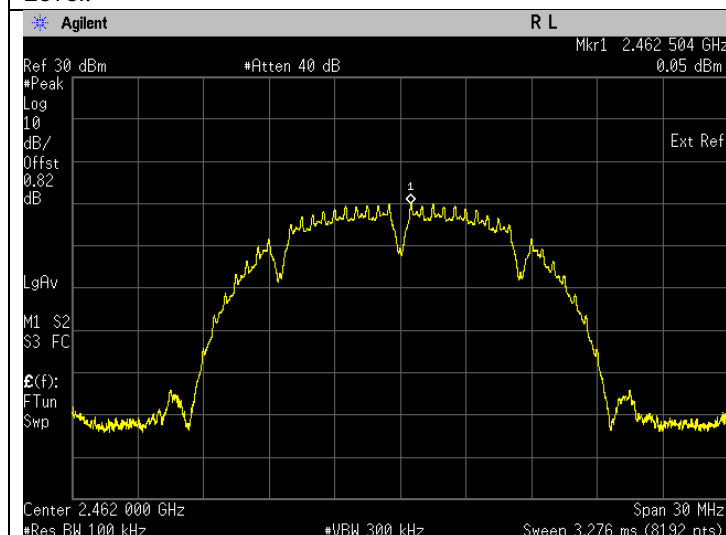
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Frequencies (MHz)	Power (dBm)	Status
802.11b	DSSS	BPSK	1	2412	2399.94	-50.01	Pass
802.11b	DSSS	BPSK	1	2462	2483.50	-50.05	Pass



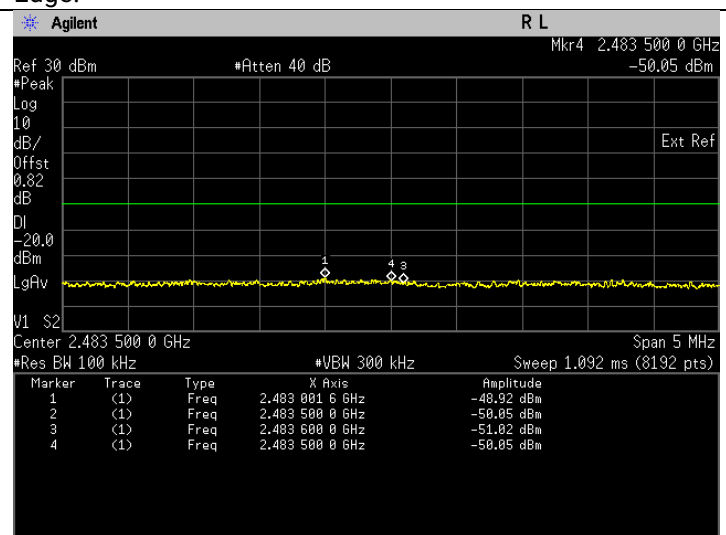
Band Edge(Peak). 802.11b Frequency 2412 MHz Reference Level.



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



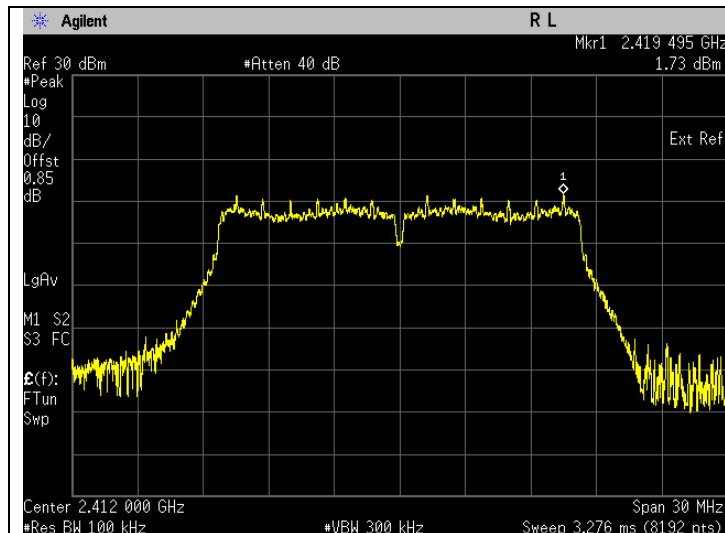
Band Edge(Peak). 802.11b Frequency 2462 MHz Reference Level.



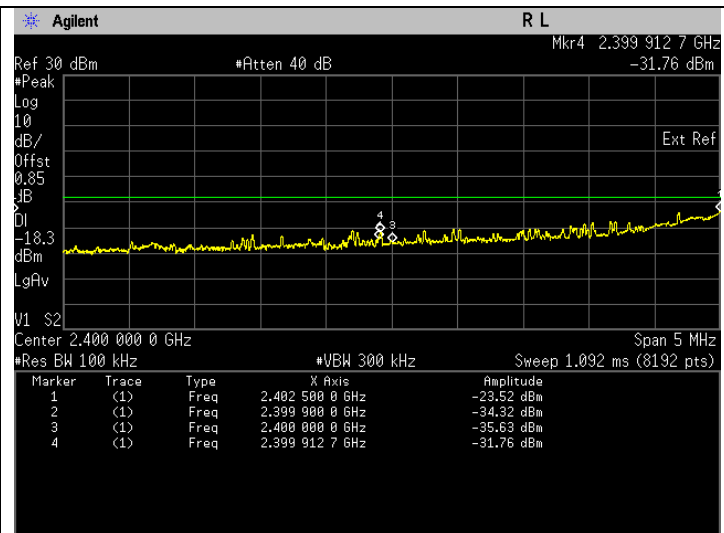
Band Edge(Peak). 802.11b Frequency 2462 MHz Band Edge.

802.11g

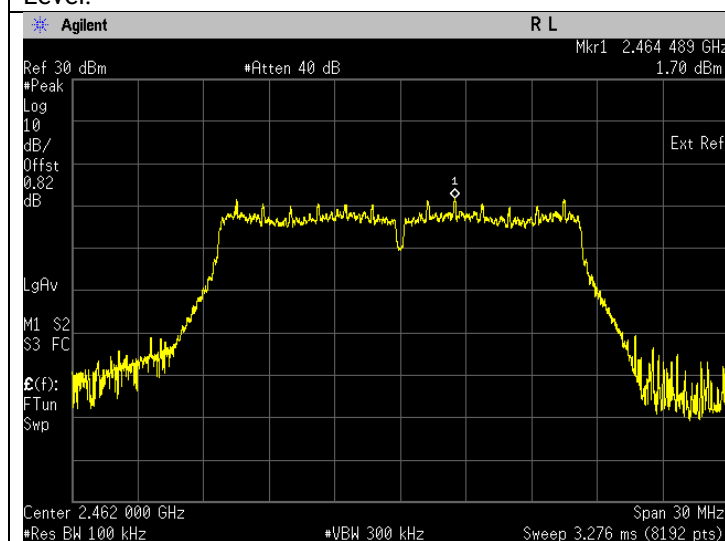
Test Conditions				Test Frequency	Results		
Standard	Modulation Type	Modulation Technology	Data Rate (mbps)	Tx (MHz)	Frequencies (MHz)	Power (dBm)	Status
802.11g	OFDM	BPSK	6	2412	2399.91	-31.76	Pass
802.11g	OFDM	BPSK	6	2462	2483.55	-43.59	Pass



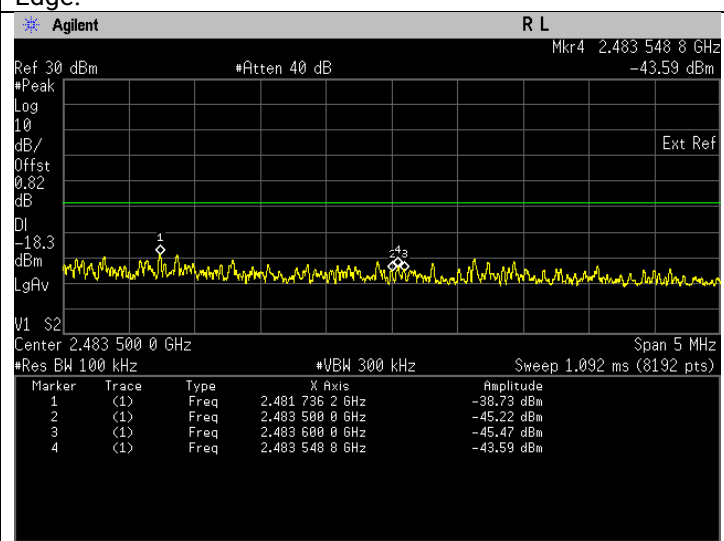
Band Edge(Peak). 802.11g Frequency 2412 MHz Reference Level.



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



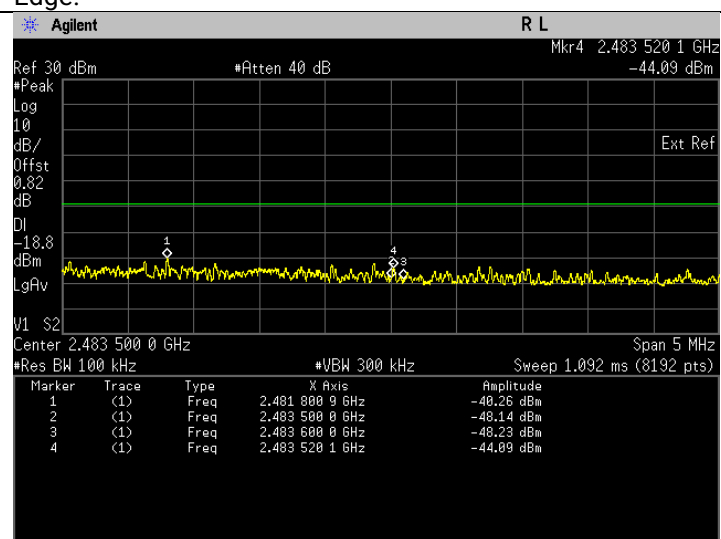
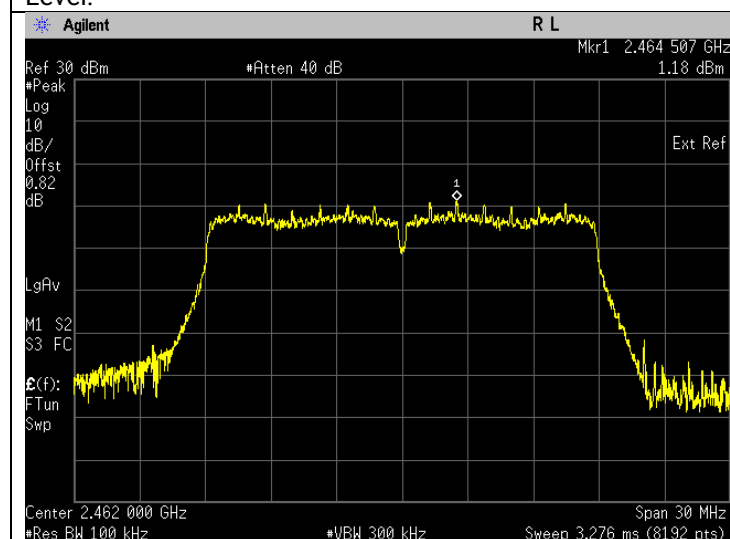
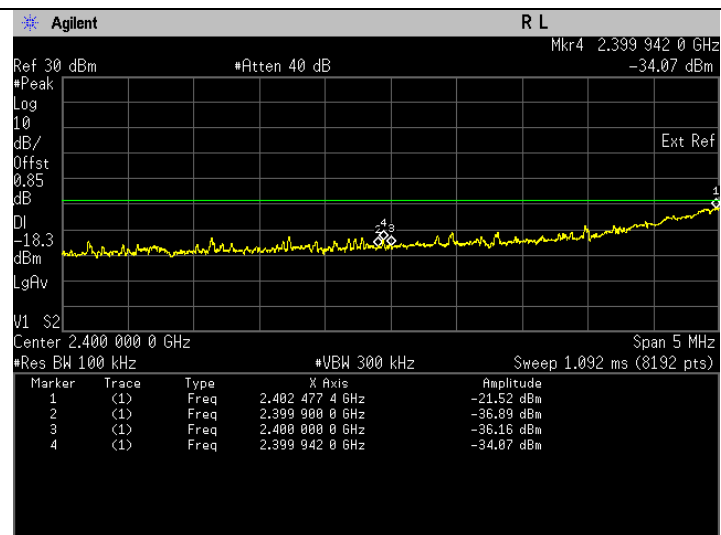
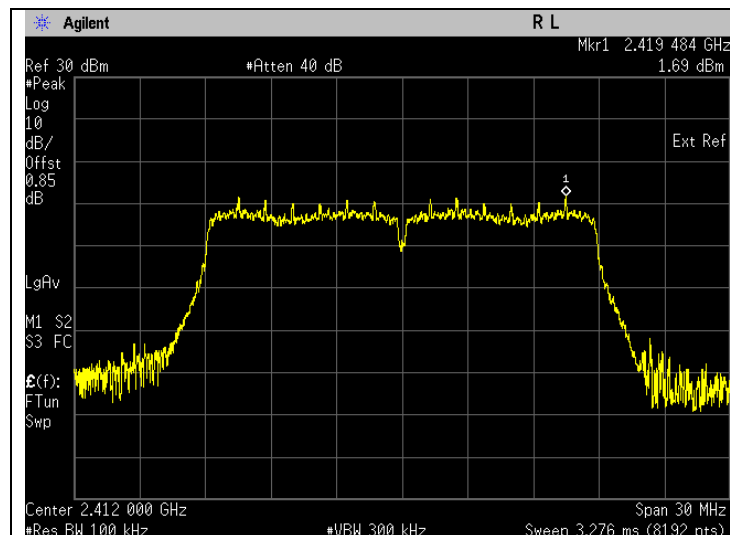
Band Edge(Peak). 802.11g Frequency 2462 MHz Reference Level.



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	2399.94	-34.07	Pass
802.11n	OFDM	BPSK	6.5	2462	2483.52	-44.09	Pass

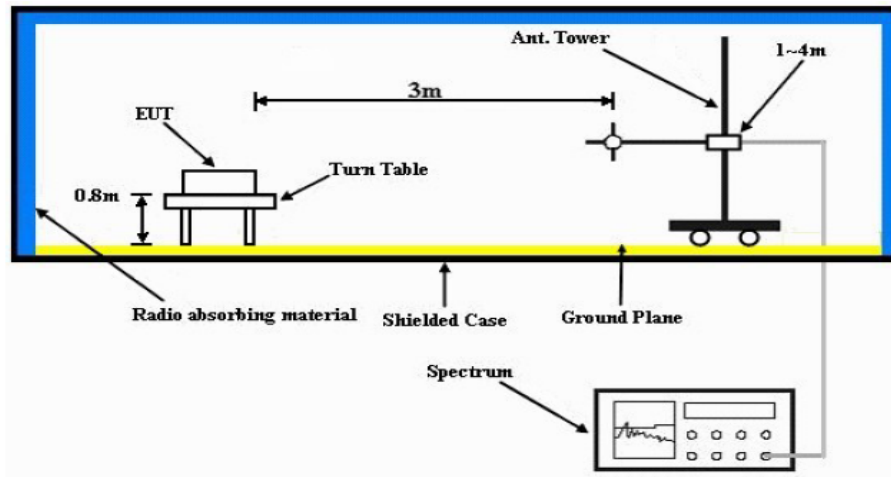


Band Edge(Peak). 802.11n Frequency 2462 MHz Reference Level.

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

6.7. Radiated Emission within restricted Bands

6.7.1. 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.

6.7.2. 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.

6.7.3. Test Data:

SAC TX Restricted Band-edge : 1467N00-EMC-00043

FCC ID :	AZ492FT7189	IC :	109U-92FT7189
Model No :	AAM29JNN9YA1AN	Serial No :	008TCF1512
Battery :	-	Charger :	-
Accessory :	HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 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	2326.1840	49.58 *	74.00	24.42
Horizontal	Peak	2330.6590	48.26 *	74.00	25.74
Vertical	Average	2390.0000	37.71	54.00	16.29
Horizontal	Average	2390.0000	36.09	54.00	17.91
Vertical	Peak	2390.0000	48.18 *	74.00	25.82
Horizontal	Peak	2390.0000	46.29 *	74.00	27.71

Temperature (°C) :	23.6	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sun, 12 Apr, 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.

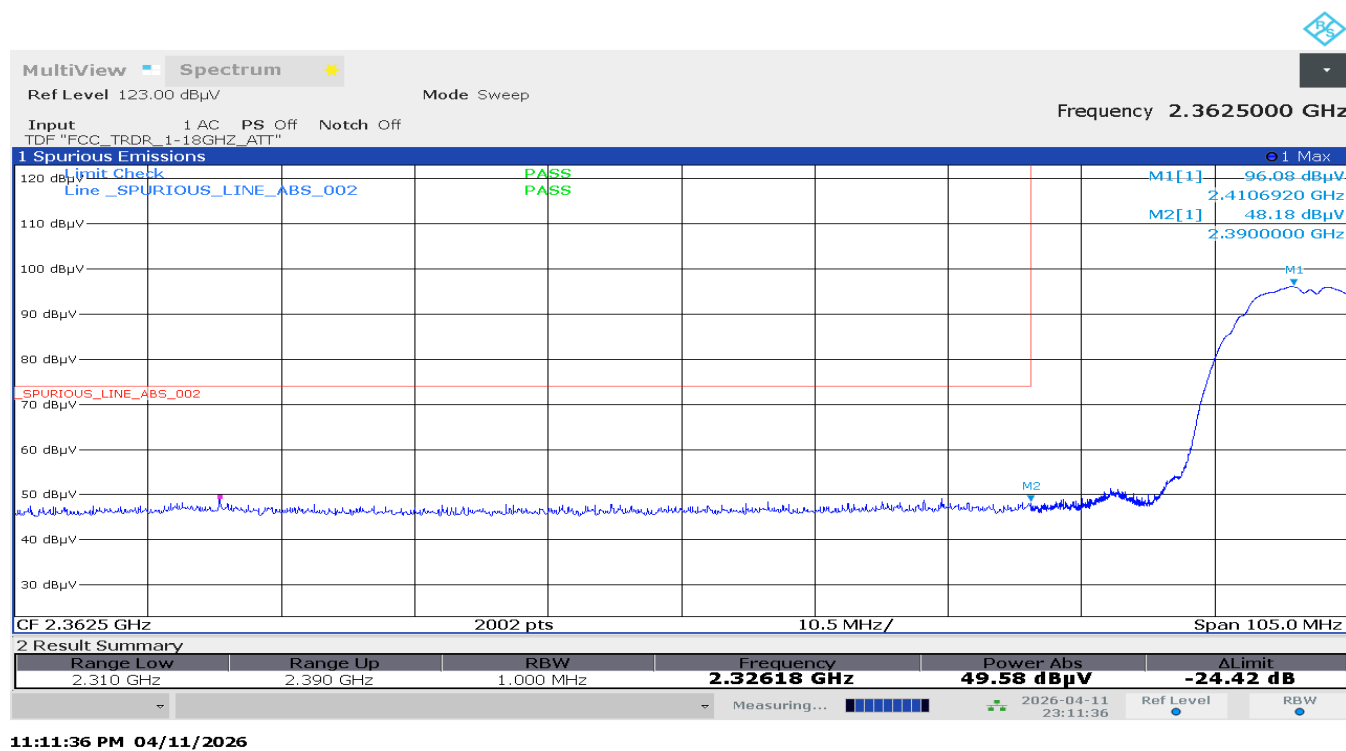
NOTE :

- 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.

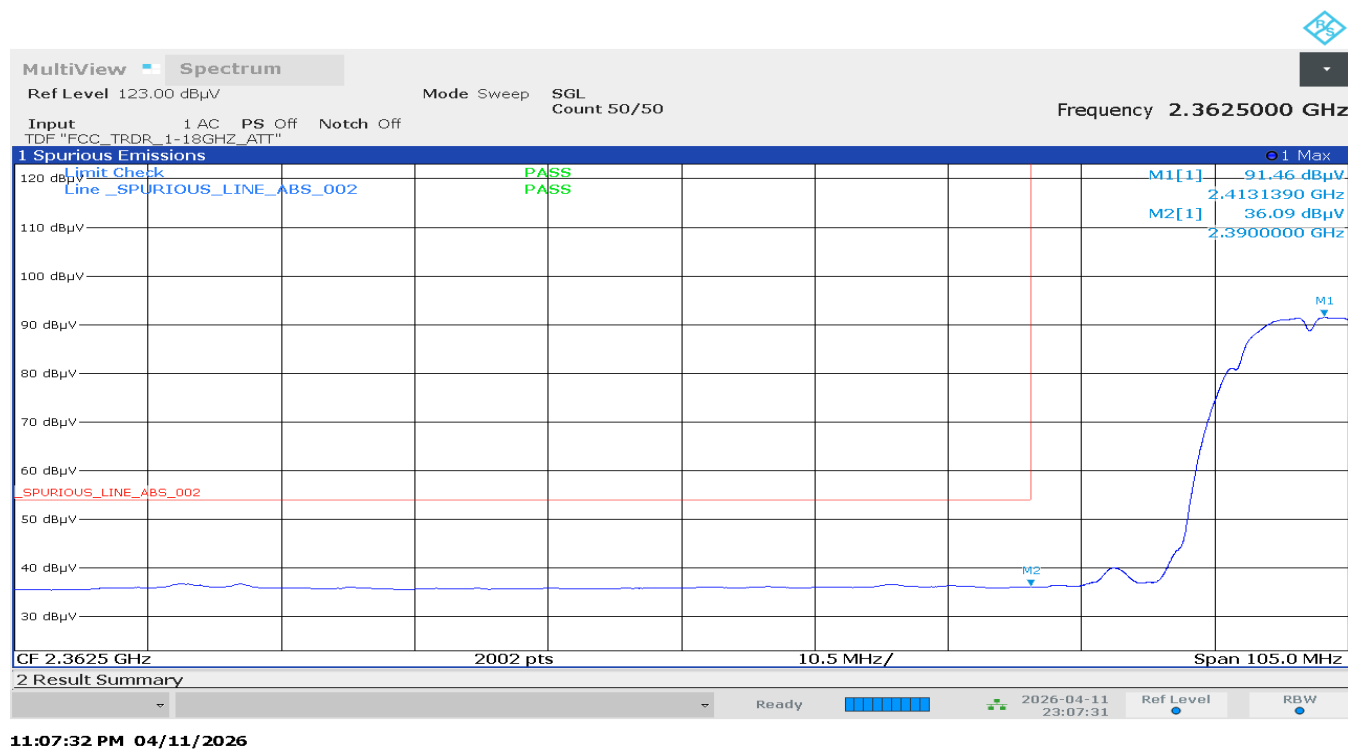
Restricted Band Edge (Peak,Horizontal)



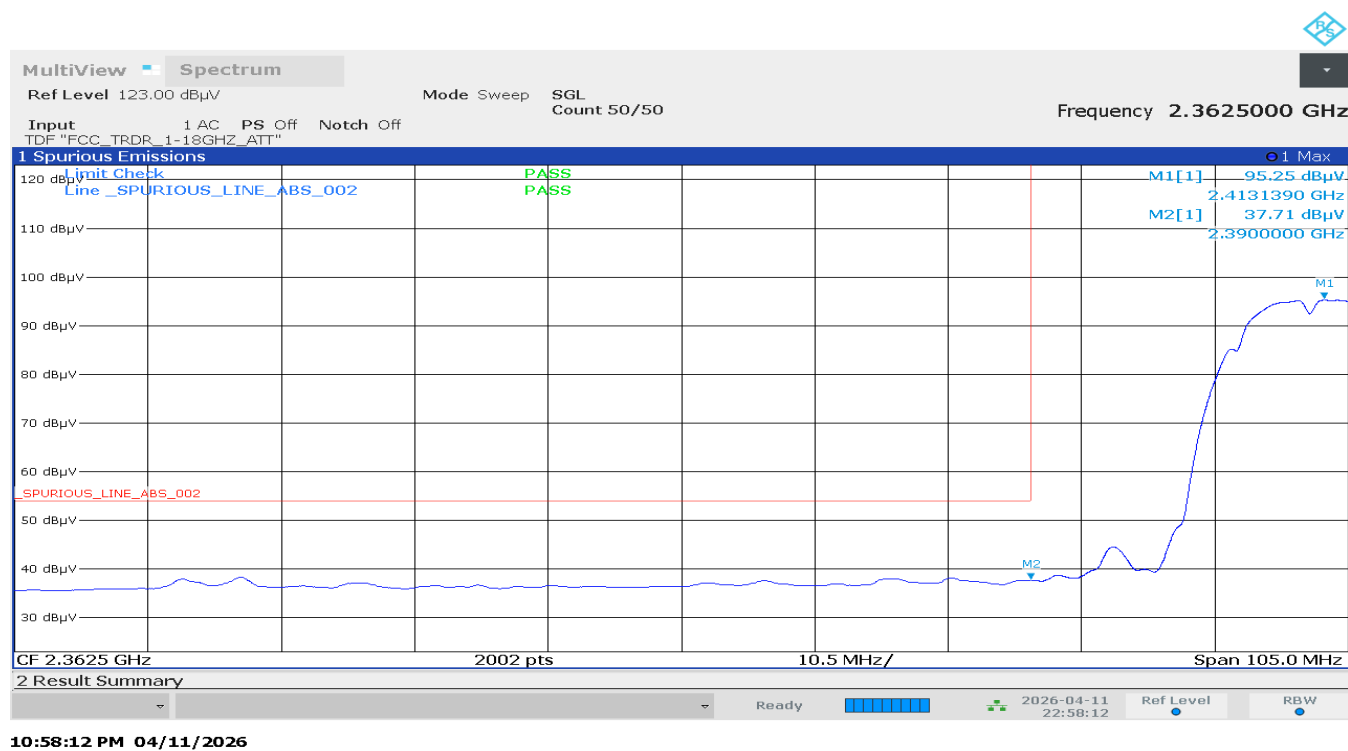
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11b Channel SP/Bandwidth (kHz) : 20000.0000
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	39.61	54.00	14.39
Horizontal	Average	2483.5000	36.56	54.00	17.44
Vertical	Peak	2483.5000	47.46 *	74.00	26.54
Horizontal	Peak	2483.5000	48.12 *	74.00	25.88
Vertical	Average	2488.8650	42.10	54.00	11.90
Vertical	Peak	2489.5410	51.00 *	74.00	23.00
Vertical	Average	2490.2330	42.36	54.00	11.64
Horizontal	Peak	2494.3870	49.76 *	74.00	24.24

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sun, 12 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

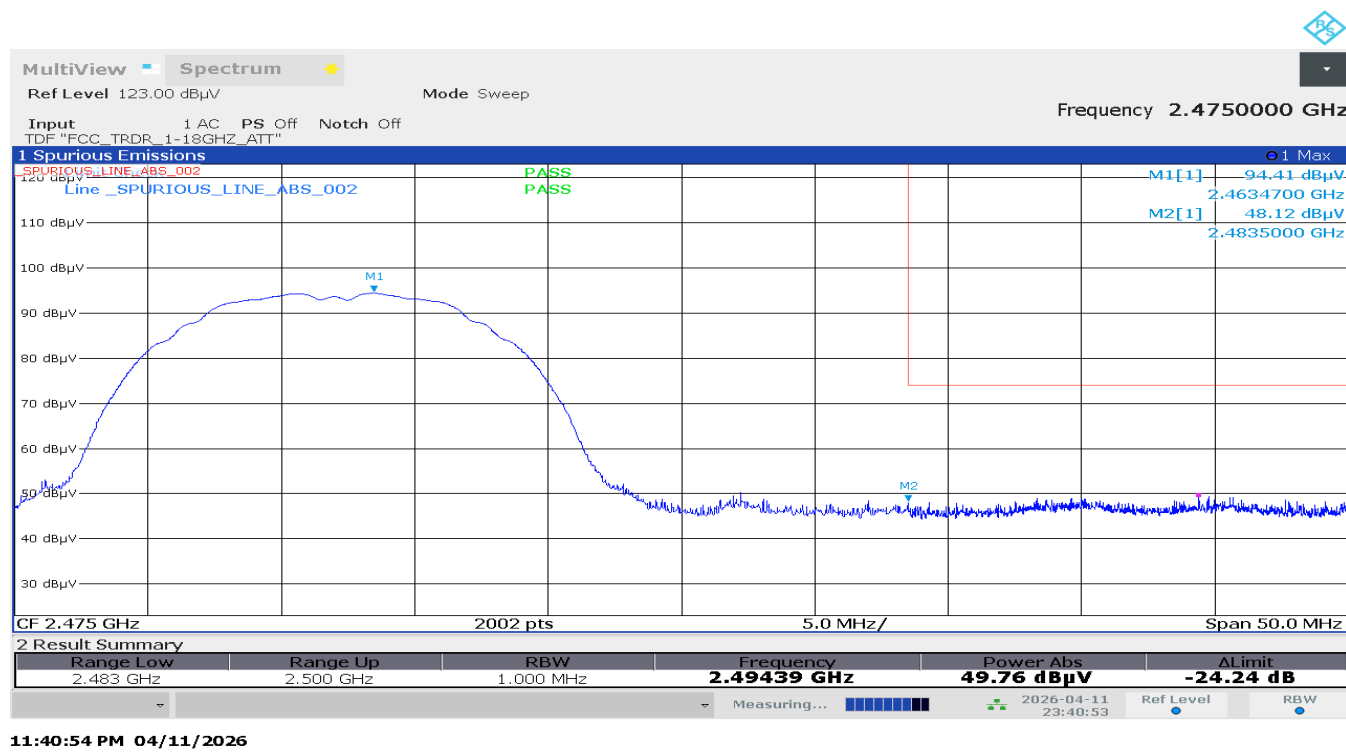
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

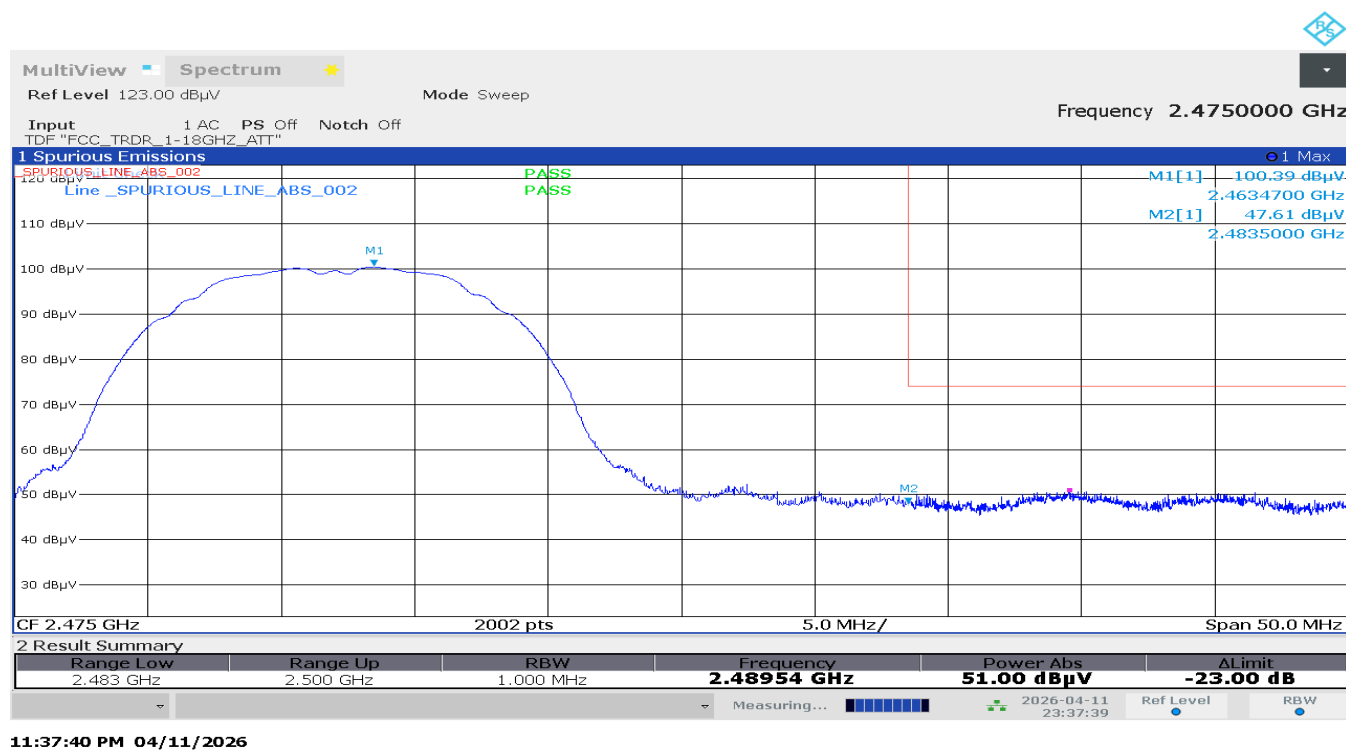
NOTE :

- 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.

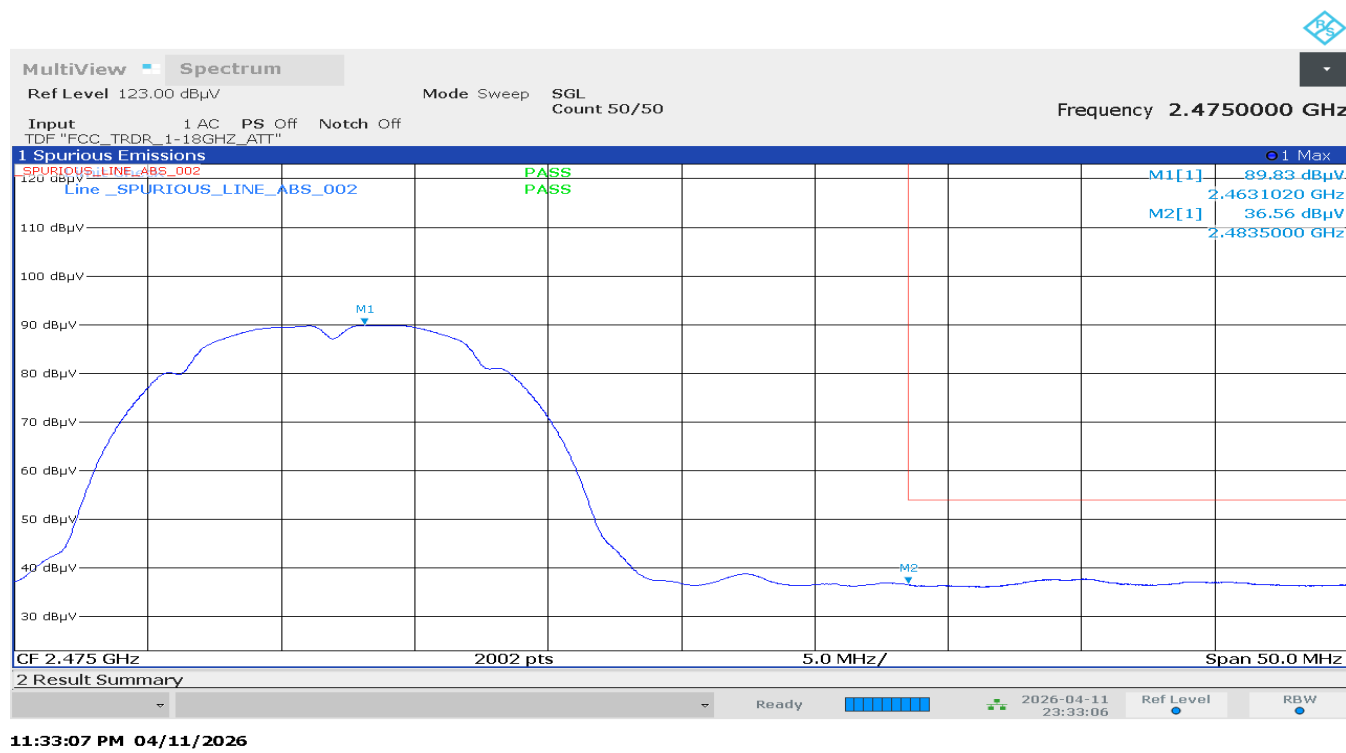
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1467N00-EMC-00043

FCC ID :	AZ492FT7189	IC :	109U-92FT7189
Model No :	AAM29JNN9YA1AN	Serial No :	008TCF1512
Battery :	-	Charger :	-
Accessory :	HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 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	2379.7300	64.67	74.00	9.33
Vertical	Peak	2380.3700	64.91	74.00	9.09
Vertical	Peak	2381.6480	65.47	74.00	8.53
Horizontal	Peak	2382.1280	58.43	74.00	15.57
Vertical	Peak	2383.0870	65.29	74.00	8.71
Horizontal	Peak	2383.1670	58.35	74.00	15.65
Horizontal	Peak	2384.4460	58.69	74.00	15.31
Vertical	Peak	2384.6850	66.24	74.00	7.76
Horizontal	Peak	2385.4050	59.50	74.00	14.50
Horizontal	Peak	2385.8040	59.27	74.00	14.73
Vertical	Peak	2386.0440	66.17	74.00	7.83
Horizontal	Peak	2386.9230	58.32	74.00	15.68
Vertical	Peak	2387.1630	66.84	74.00	7.16
Horizontal	Peak	2387.3230	59.56	74.00	14.44
Vertical	Peak	2387.8020	67.10	74.00	6.90
Horizontal	Peak	2388.0420	60.16	74.00	13.84
Vertical	Peak	2388.5210	67.11	74.00	6.89
Horizontal	Peak	2388.9210	61.54	74.00	12.46
Vertical	Peak	2389.8800	68.19	74.00	5.81
Vertical	Average	2389.9600	42.57	54.00	11.43
Horizontal	Peak	2389.9600	61.27	74.00	12.73
Vertical	Average	2390.0000	42.74	54.00	11.26
Horizontal	Average	2390.0000	36.43	54.00	17.57
Vertical	Peak	2390.0000	59.10	74.00	14.90
Horizontal	Peak	2390.0000	61.71	74.00	12.29

Temperature (°C) :	23.6	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sun, 12 Apr, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

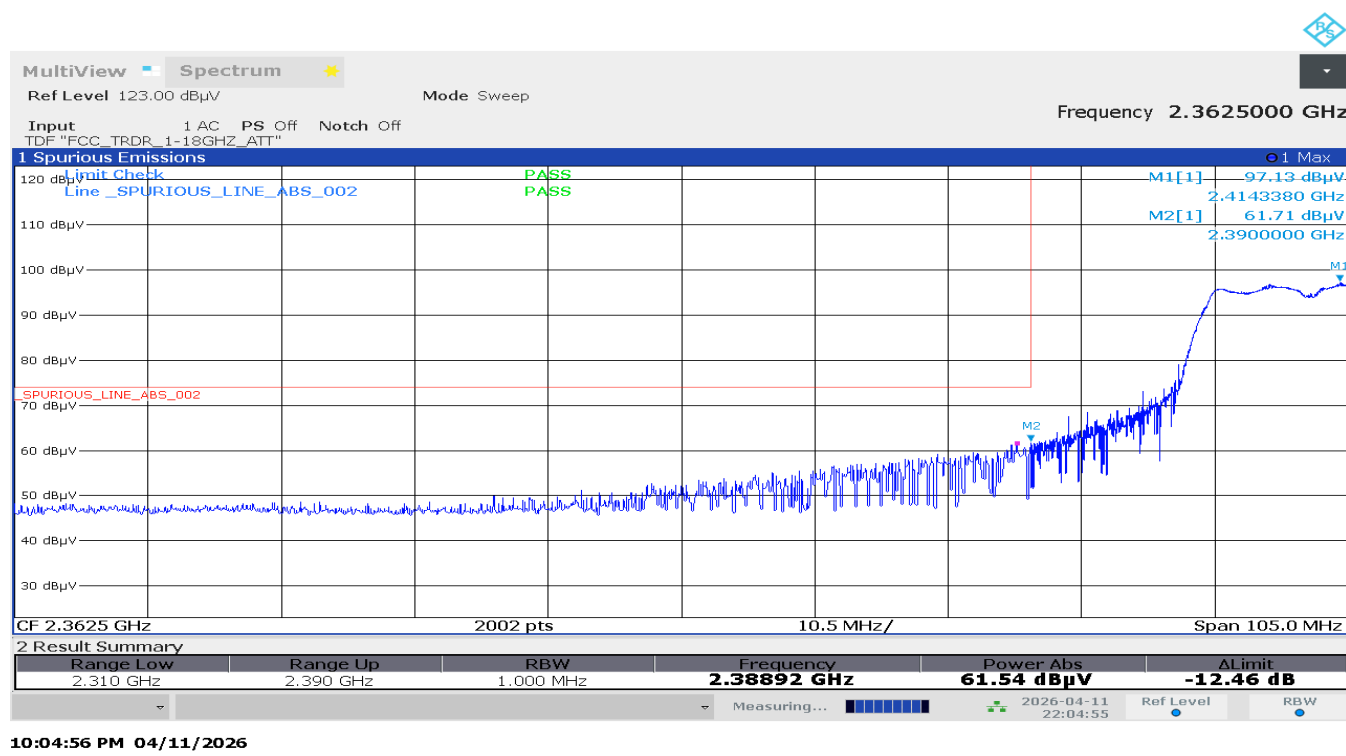
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

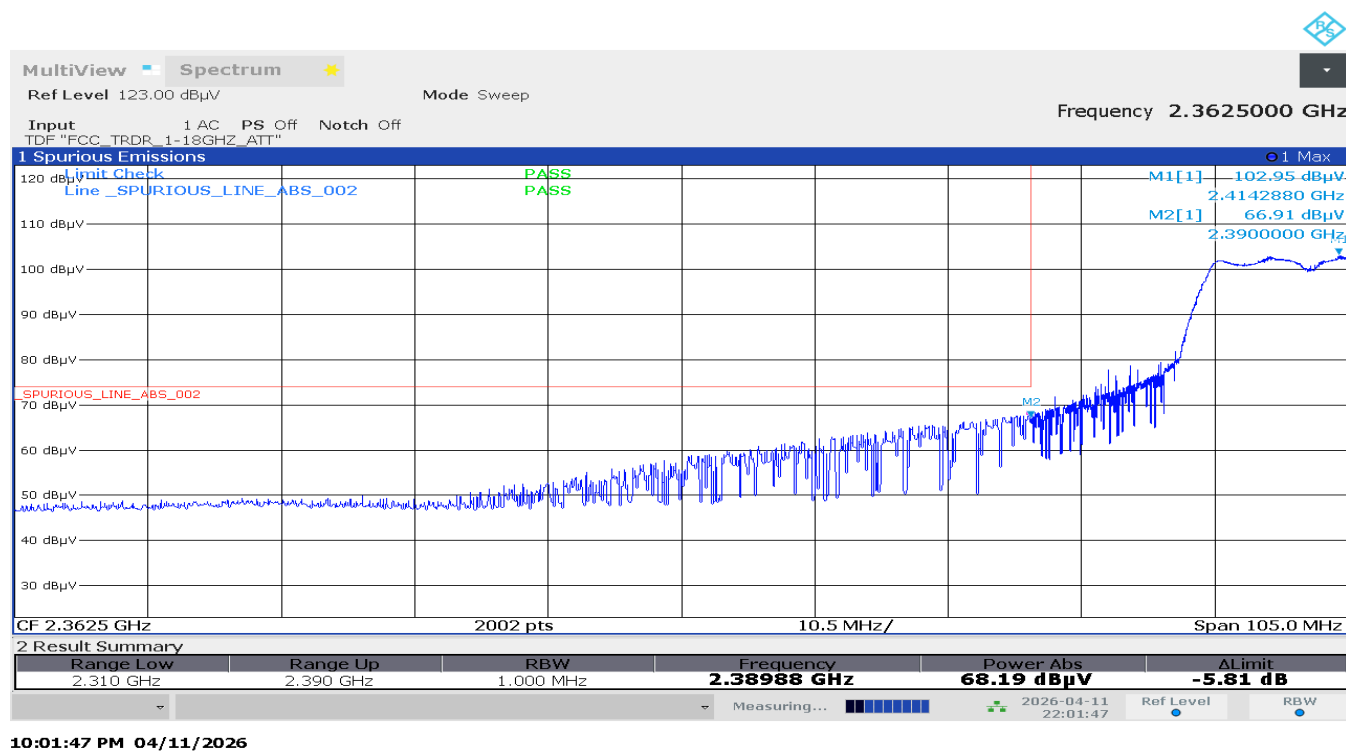
NOTE :

- 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.

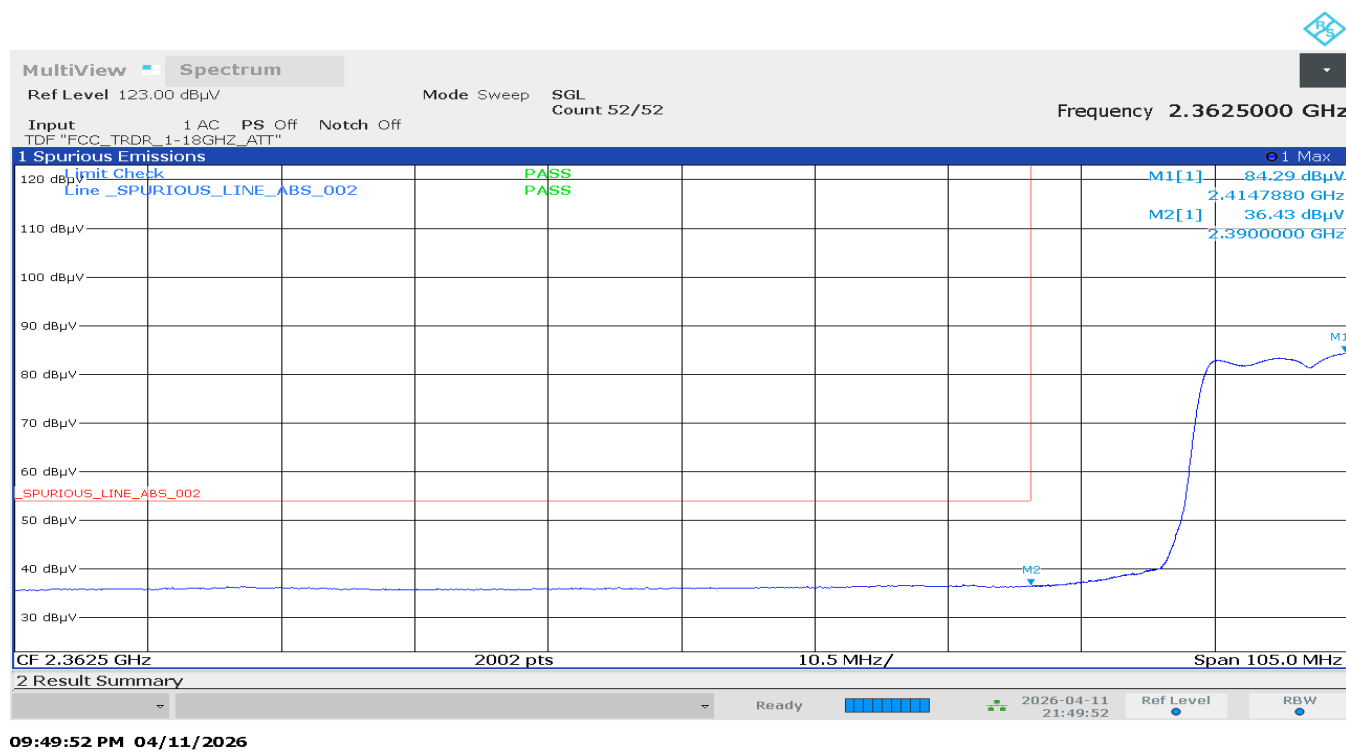
Restricted Band Edge (Peak,Horizontal)



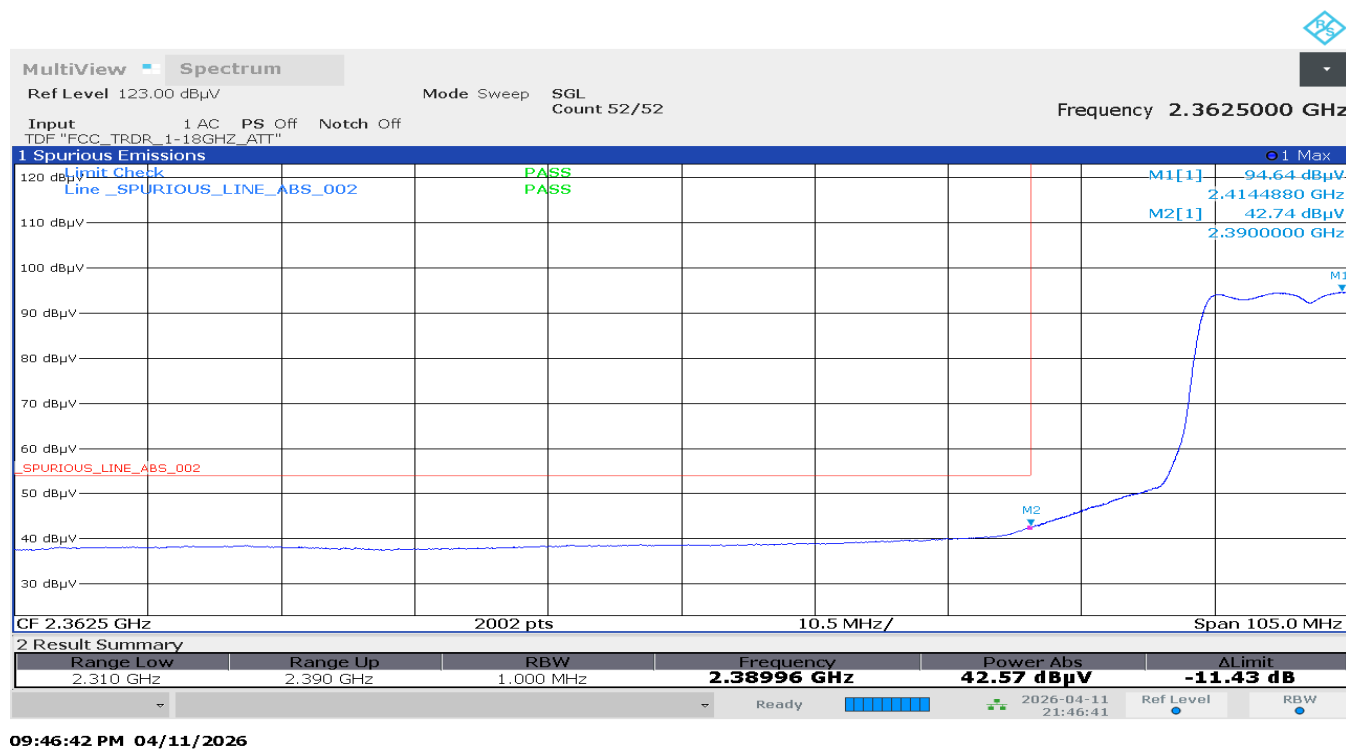
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1467N00-EMC-00043

FCC ID :	AZ492FT7189	IC :	109U-92FT7189
Model No :	AAM29JNN9YA1AN	Serial No :	008TCF1512
Battery :	-	Charger :	-
Accessory :	HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01		
Test Mode :	Wifi 2.4 GHz 802.11g	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	2462.0000	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	Average	2483.5000	43.32	54.00	10.68
Horizontal	Average	2483.5000	40.14	54.00	13.86
Vertical	Peak	2483.5000	55.81	74.00	18.19
Horizontal	Peak	2483.5000	47.17 *	74.00	26.83
Vertical	Average	2483.5910	43.37	54.00	10.63
Vertical	Peak	2483.9530	60.94	74.00	13.06
Vertical	Peak	2484.0360	66.39	74.00	7.61
Horizontal	Peak	2484.0690	55.01	74.00	18.99
Horizontal	Peak	2484.2500	54.31	74.00	19.69
Horizontal	Peak	2484.3650	56.47	74.00	17.53
Horizontal	Peak	2484.9420	55.42	74.00	18.58
Vertical	Peak	2484.9590	60.89	74.00	13.11
Vertical	Peak	2485.0080	60.95	74.00	13.05
Vertical	Peak	2486.0960	60.51	74.00	13.49
Horizontal	Peak	2486.1290	56.86	74.00	17.14
Horizontal	Peak	2486.1790	54.99	74.00	19.01
Vertical	Peak	2486.3930	60.38	74.00	13.62
Horizontal	Peak	2487.1840	54.80	74.00	19.20
Vertical	Peak	2487.3330	61.08	74.00	12.92
Vertical	Peak	2488.3210	60.42	74.00	13.58
Horizontal	Peak	2489.7220	54.30	74.00	19.70
Vertical	Peak	2489.8210	64.21	74.00	9.79
Horizontal	Peak	2491.2220	54.34	74.00	19.66
Horizontal	Peak	2492.0960	54.13	74.00	19.87
Vertical	Peak	2492.7220	61.03	74.00	12.97

Temperature (°C) :	23.6	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sun, 12 Apr, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

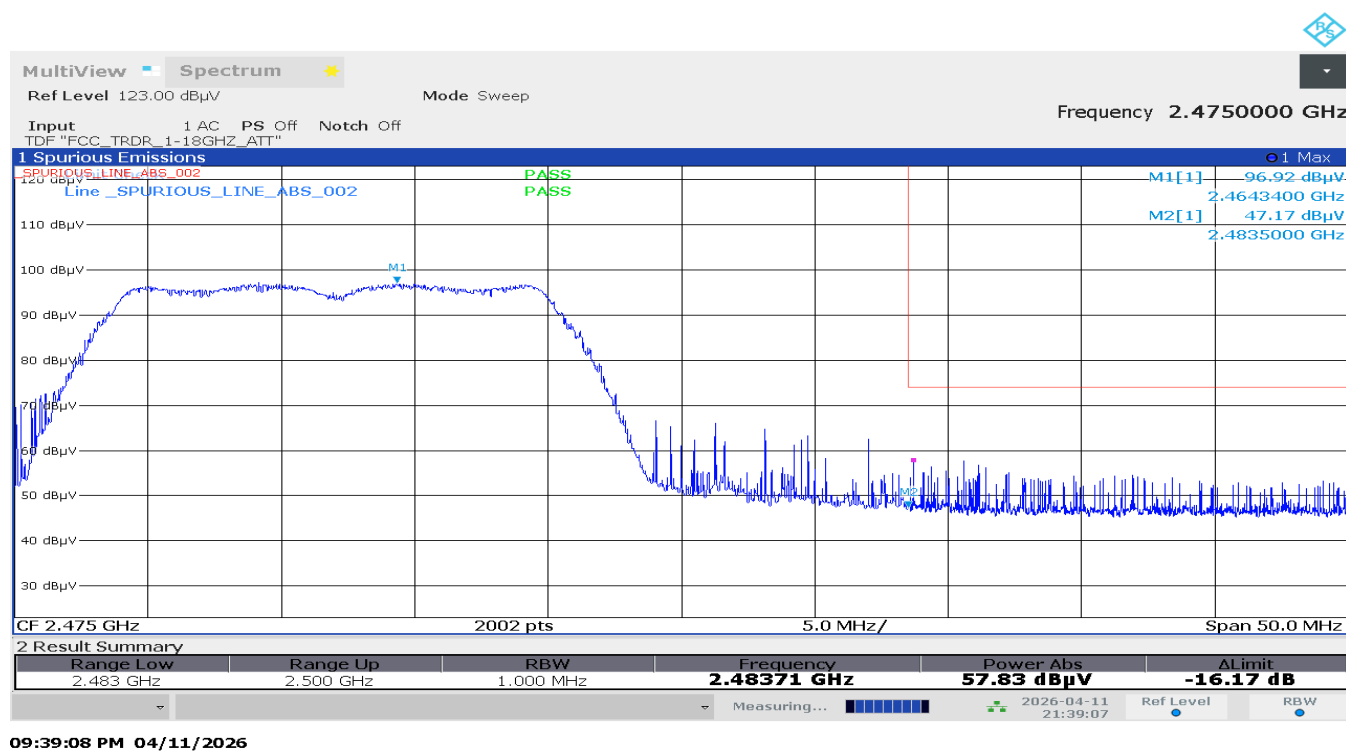
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

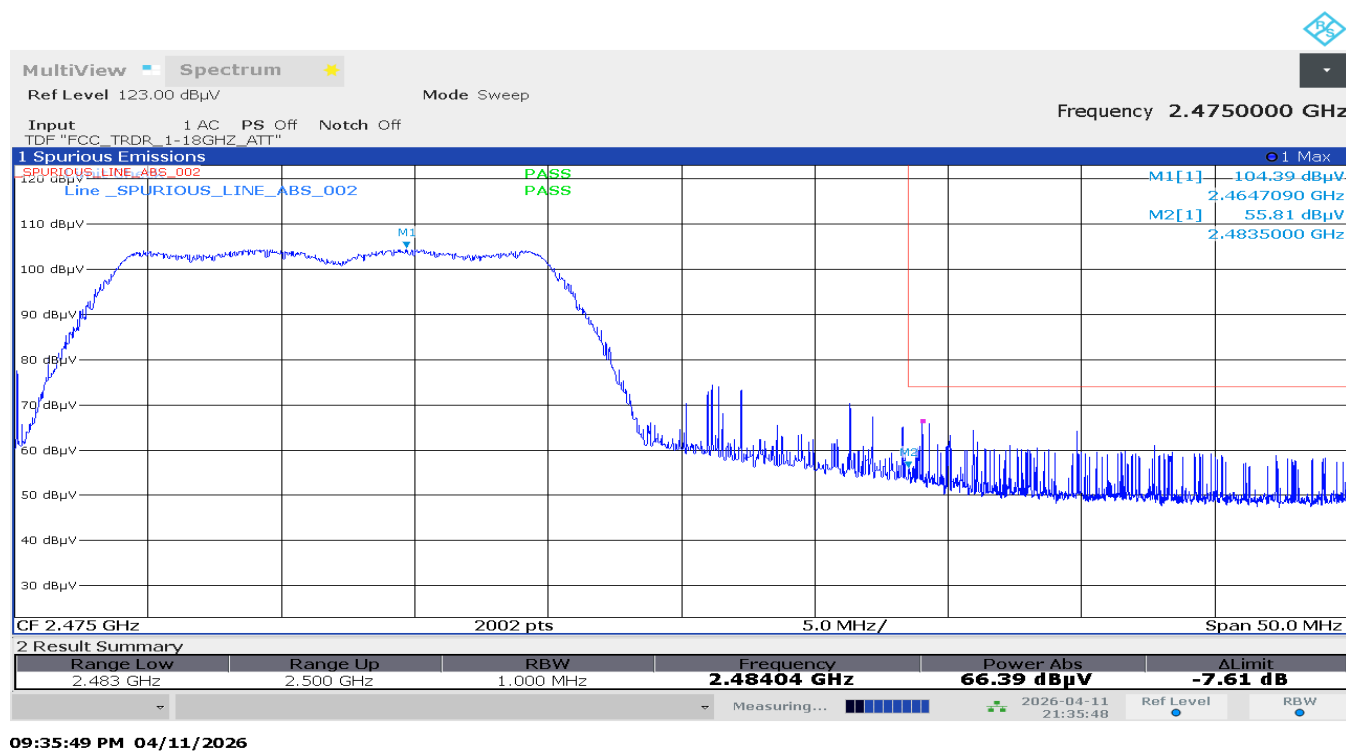
NOTE :

- 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.

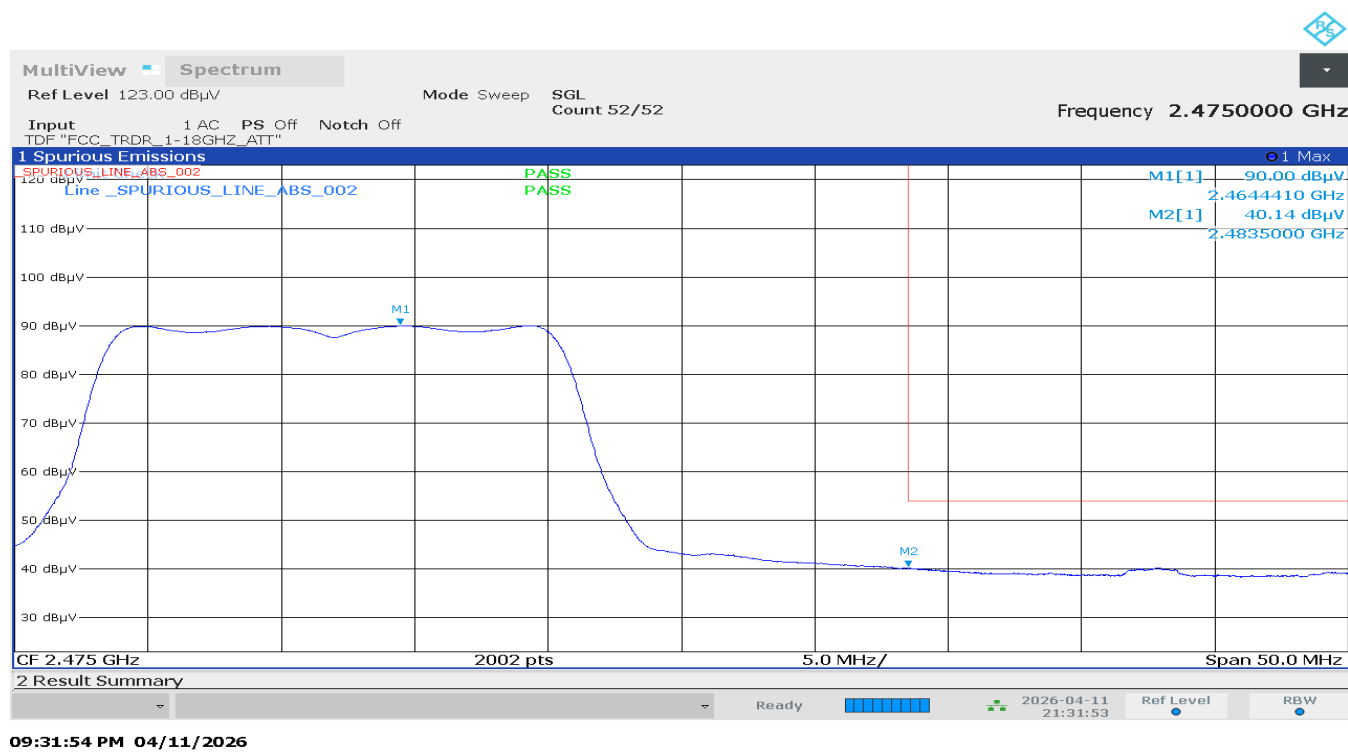
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1467N00-EMC-00043

FCC ID :	AZ492FT7189	IC :	109U-92FT7189
Model No :	AAM29JNN9YA1AN	Serial No :	008TCF1512
Battery :	-	Charger :	-
Accessory :	HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 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	2382.7670	59.87	74.00	14.13
Vertical	Peak	2384.2860	61.67	74.00	12.33
Horizontal	Peak	2384.2860	61.08	74.00	12.92
Vertical	Peak	2384.5250	61.97	74.00	12.03
Horizontal	Peak	2384.9250	61.64	74.00	12.36
Vertical	Peak	2385.4050	61.65	74.00	12.35
Horizontal	Peak	2385.4050	60.50	74.00	13.50
Vertical	Peak	2386.0440	61.60	74.00	12.40
Horizontal	Peak	2386.5230	62.19	74.00	11.81
Vertical	Peak	2386.6040	62.84	74.00	11.16
Vertical	Peak	2386.8430	62.32	74.00	11.68
Horizontal	Peak	2387.1630	62.50	74.00	11.50
Vertical	Peak	2387.4030	63.25	74.00	10.75
Vertical	Peak	2387.9620	63.59	74.00	10.41
Vertical	Peak	2388.3620	63.72	74.00	10.28
Horizontal	Peak	2388.4420	63.94	74.00	10.06
Horizontal	Peak	2388.6010	63.60	74.00	10.40
Horizontal	Peak	2389.3210	63.53	74.00	10.47
Vertical	Peak	2389.8000	64.65	74.00	9.35
Horizontal	Peak	2389.9600	63.85	74.00	10.15
Vertical	Average	2390.0000	40.96	54.00	13.04
Horizontal	Average	2390.0000	38.82	54.00	15.18
Vertical	Peak	2390.0000	65.03	74.00	8.97
Horizontal	Peak	2390.0000	63.05	74.00	10.95

Temperature (°C) :	23.6	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sun, 12 Apr, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

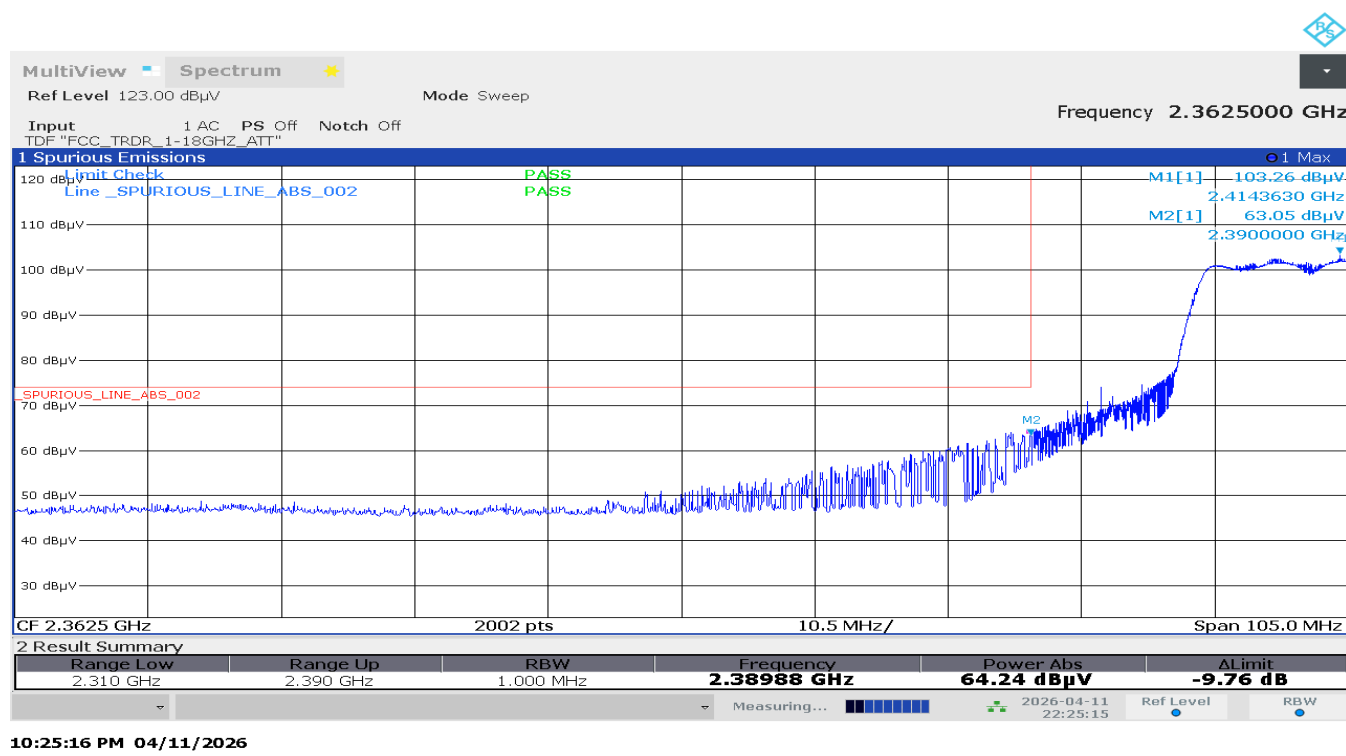
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

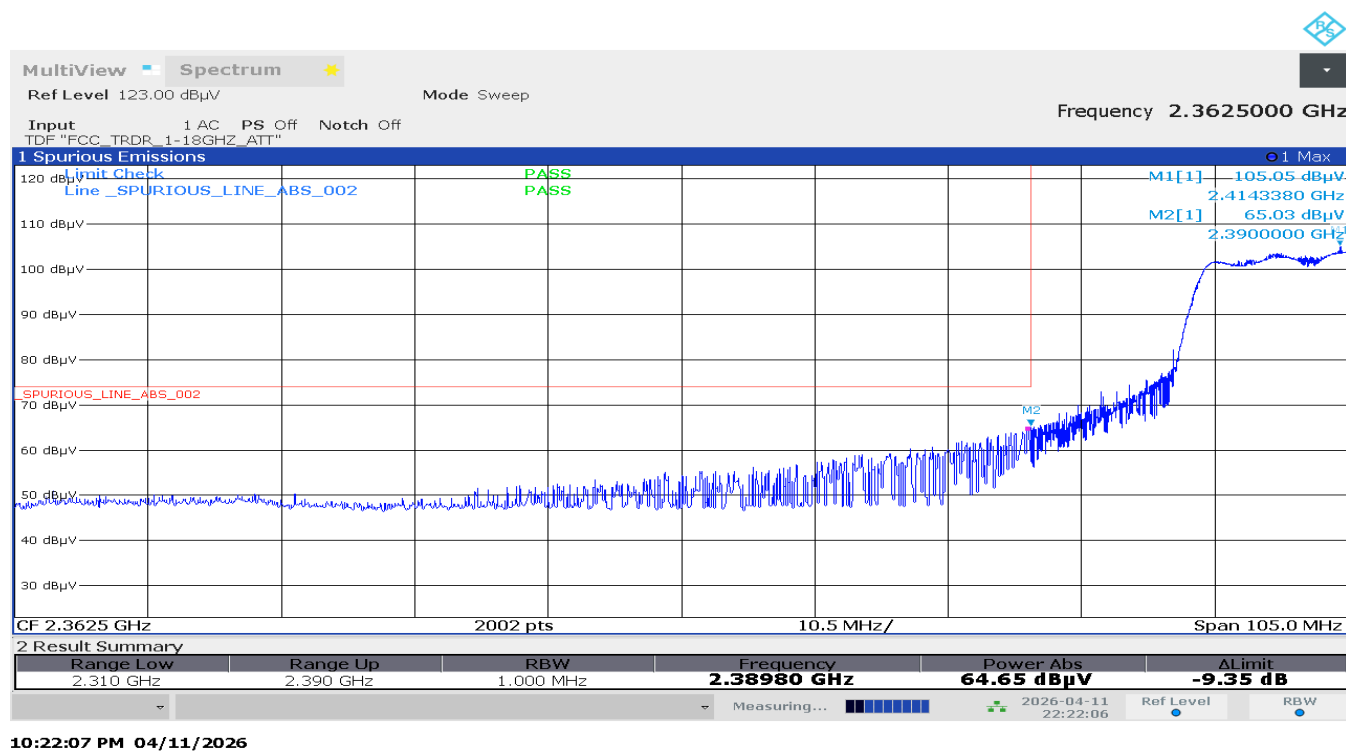
NOTE :

- 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.

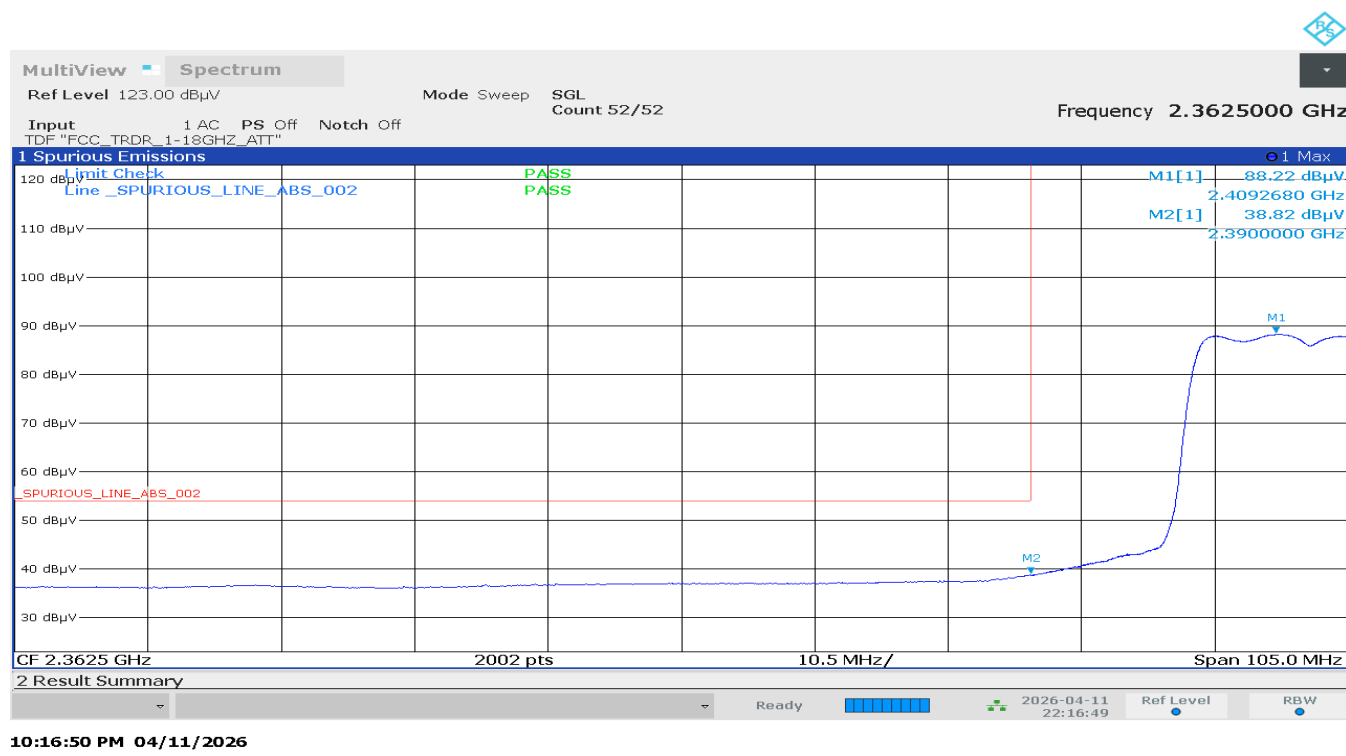
Restricted Band Edge (Peak,Horizontal)



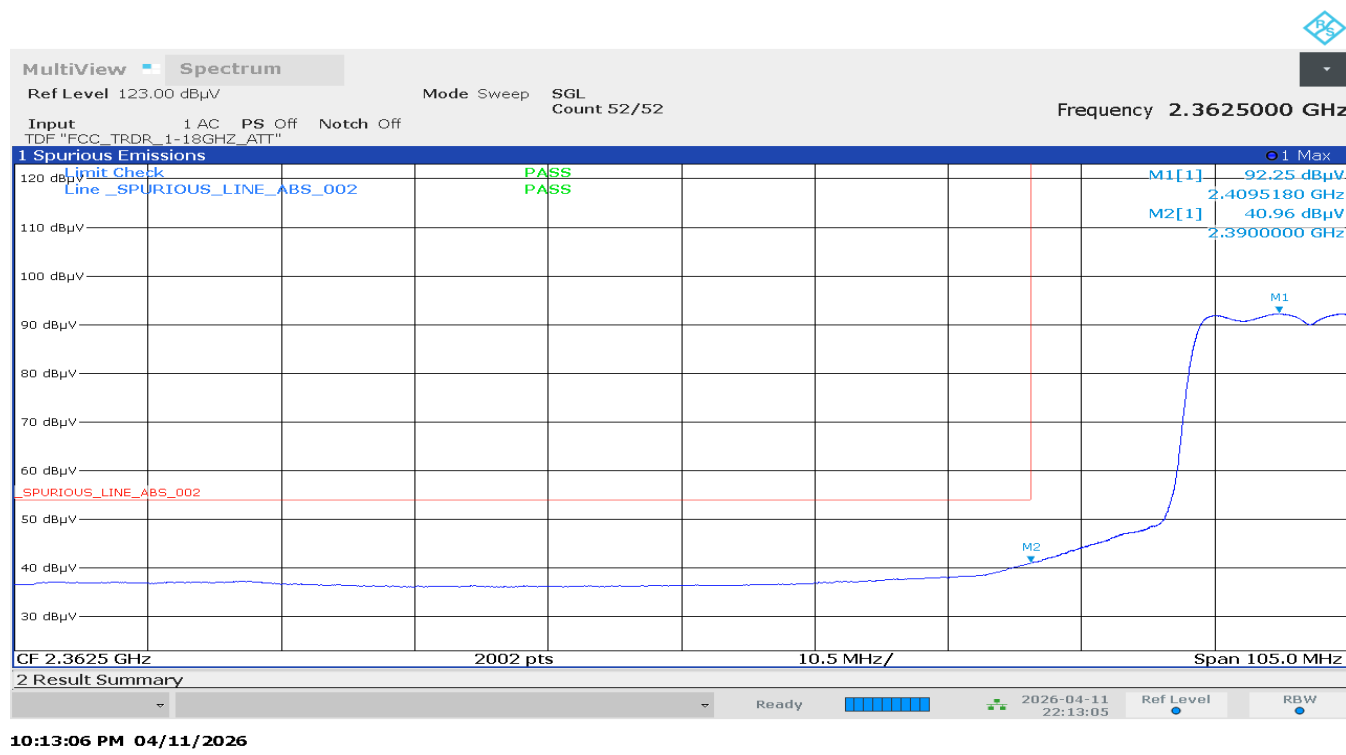
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth (kHz) : 20000.0000
Test Frequency (MHz) : 2462.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. Voltage (V) : 120.00
1-2023+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	42.77	54.00	11.23
Horizontal	Average	2483.5000	39.20	54.00	14.80
Vertical	Peak	2483.5000	58.14	74.00	15.86
Horizontal	Peak	2483.5000	47.87 *	74.00	26.13
Horizontal	Peak	2483.5580	55.69	74.00	18.31
Vertical	Peak	2483.5740	64.94	74.00	9.06
Vertical	Peak	2483.6560	67.62	74.00	6.38
Horizontal	Peak	2483.9040	55.62	74.00	18.38
Horizontal	Peak	2484.1020	58.65	74.00	15.35
Vertical	Peak	2484.1840	64.79	74.00	9.21
Horizontal	Peak	2484.1840	57.25	74.00	16.75
Vertical	Peak	2484.4310	64.78	74.00	9.22
Vertical	Peak	2484.5470	64.87	74.00	9.13
Horizontal	Peak	2484.8440	55.12	74.00	18.88
Vertical	Average	2484.8930	45.46	54.00	8.54
Horizontal	Peak	2485.7000	55.89	74.00	18.11
Vertical	Peak	2485.8160	64.85	74.00	9.15
Vertical	Peak	2485.8820	64.52	74.00	9.48
Vertical	Peak	2486.2440	64.79	74.00	9.21
Vertical	Peak	2486.3760	65.87	74.00	8.13
Vertical	Peak	2486.6900	64.61	74.00	9.39
Horizontal	Peak	2491.6510	56.44	74.00	17.56
Horizontal	Peak	2493.3330	55.82	74.00	18.18
Horizontal	Peak	2494.4860	56.24	74.00	17.76
Horizontal	Peak	2495.2780	56.15	74.00	17.85

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sun, 12 Apr, 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.

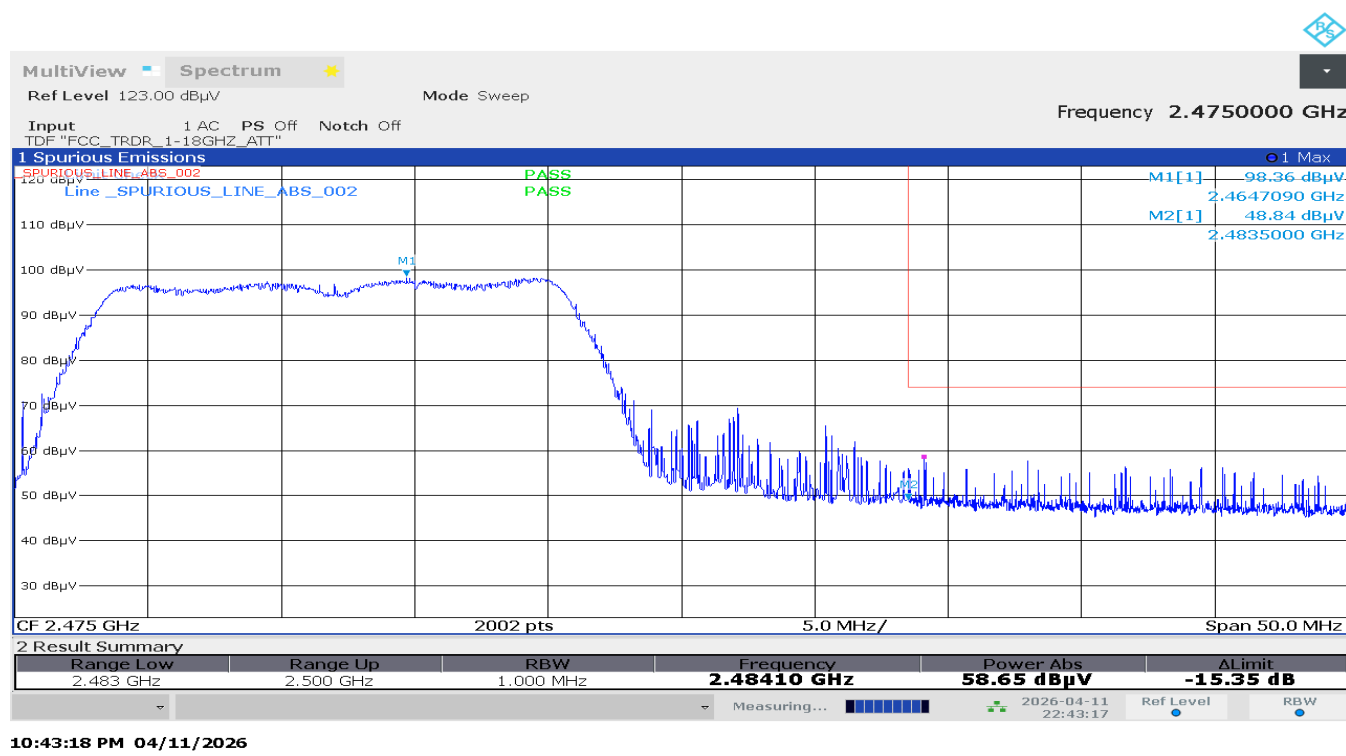
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

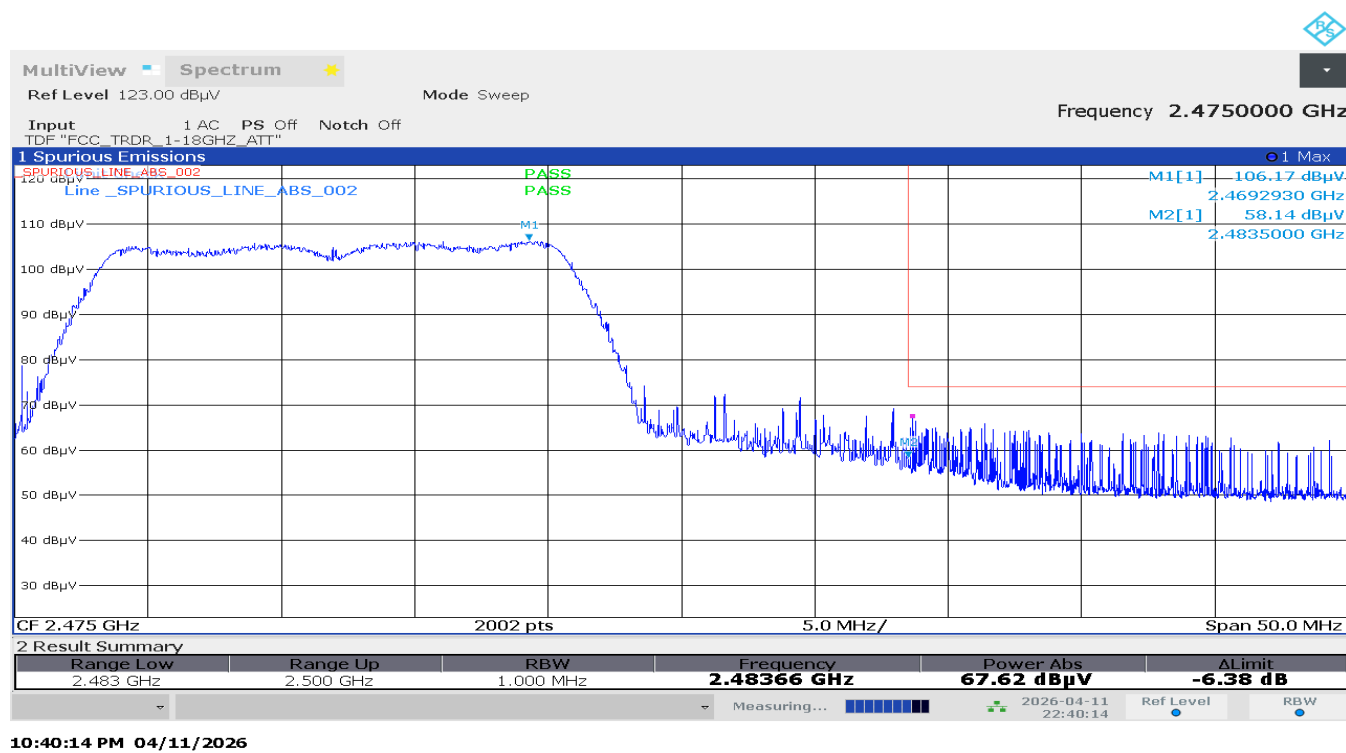
1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.

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

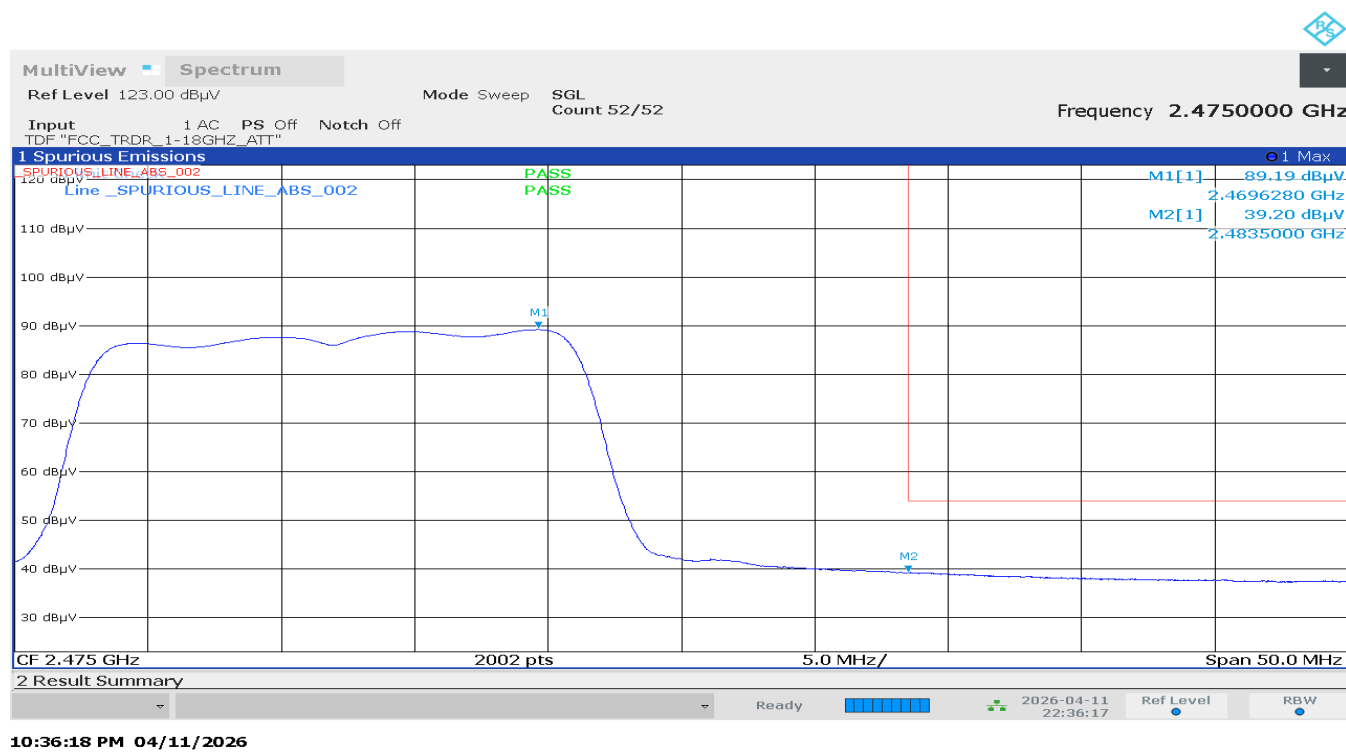
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Radiated Emission : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 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. Voltage (V) : 120.00
1-2023+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	49.7732	31.84 *	95.89	75.89	44.05
Horizontal	Peak	49.7742	26.50 *	95.89	75.89	49.39
Horizontal	Peak	84.8351	26.40 *	95.89	75.89	49.50
Vertical	Peak	85.0459	32.99 *	95.89	75.89	42.90
Horizontal	Peak	89.8440	31.62 *	95.89	75.89	44.27
Vertical	Peak	89.9868	27.07 *	95.89	75.89	48.83
Horizontal	Peak	140.1671	37.84 *	95.89	75.89	38.05
Vertical	Peak	140.5937	26.06 *	95.89	75.89	49.84
Horizontal	Quasi-Peak	250.0060	33.94	-	46.00	12.06
Vertical	Quasi-Peak	250.0100	27.70	-	46.00	18.30
Vertical	Peak	501.5990	35.47 *	95.89	75.89	40.43
Horizontal	Peak	501.6040	34.95 *	95.89	75.89	40.94
Vertical	Peak	1499.8640	40.30 *	-	74.00	33.70
Vertical	Average	1499.8640	34.95	-	54.00	19.05
Horizontal	Peak	1499.9940	39.26 *	-	74.00	34.74
Horizontal	Average	1499.9940	33.36 *	-	54.00	20.64
Horizontal	Peak	4823.9300	50.01 *	-	74.00	23.99
Horizontal	Average	4823.9300	43.94	-	54.00	10.06
Vertical	Peak	4824.0100	52.02 *	-	74.00	21.98
Vertical	Average	4824.0100	48.31	-	54.00	5.69

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

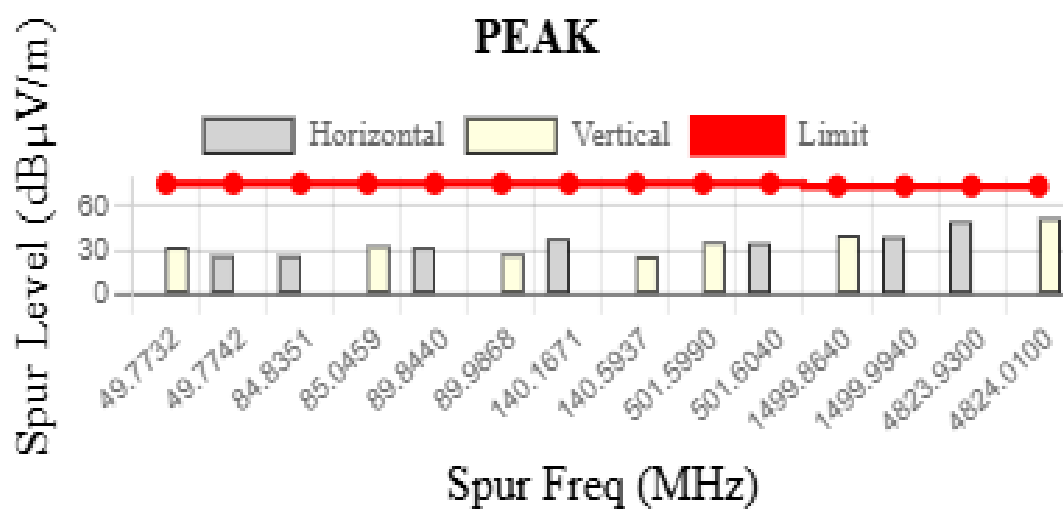
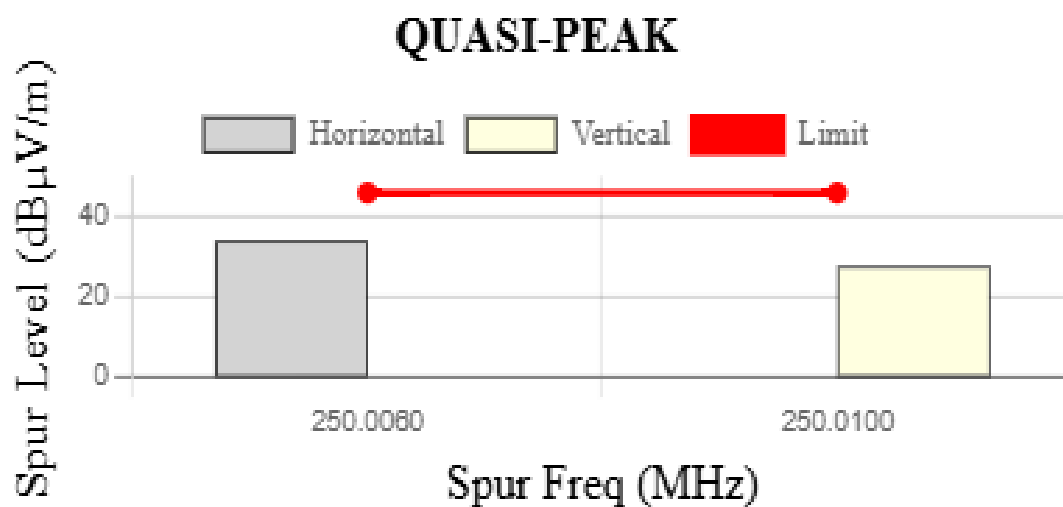
Remarks:

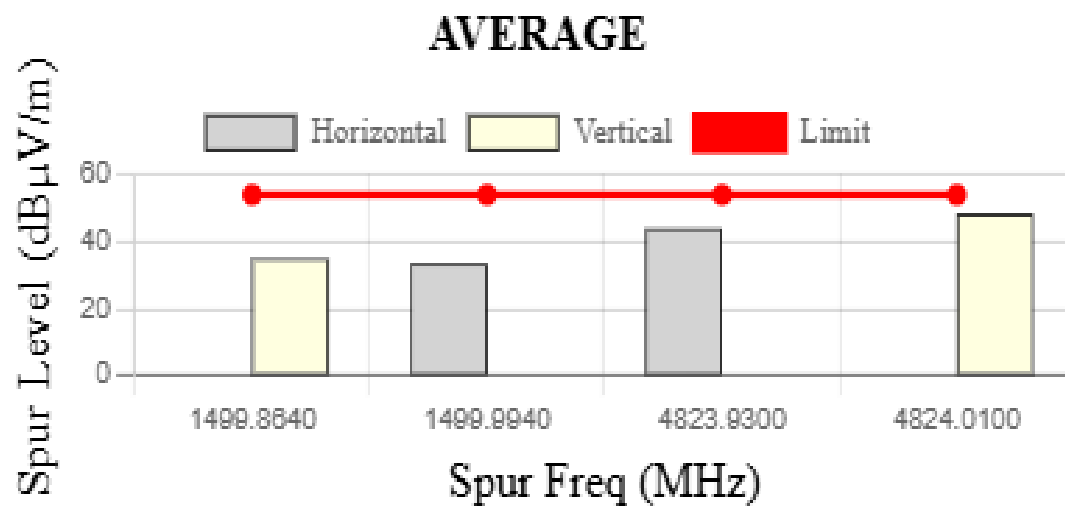
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11b Channel SP/Bandwidth (kHz) : 20000.0000
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)
Vertical	Peak	89.7490	32.95 *	95.89	75.89	42.95
Horizontal	Peak	89.8409	31.65 *	95.89	75.89	44.24
Vertical	Peak	100.7543	25.06 *	95.89	75.89	50.84
Horizontal	Peak	101.2129	34.53 *	95.89	75.89	41.36
Vertical	Peak	139.6550	29.61 *	95.89	75.89	46.29
Horizontal	Peak	140.0986	37.12 *	95.89	75.89	38.77
Horizontal	Peak	141.7820	37.78 *	95.89	75.89	38.11
Vertical	Peak	141.9678	28.88 *	95.89	75.89	47.01
Vertical	Quasi-Peak	249.9870	26.11	-	46.00	19.89
Horizontal	Quasi-Peak	250.0100	33.69	-	46.00	12.31
Horizontal	Peak	501.5940	34.78 *	95.89	75.89	41.12
Vertical	Peak	501.5980	35.54 *	95.89	75.89	40.35
Vertical	Peak	1500.0900	40.15 *	-	74.00	33.85
Vertical	Average	1500.0900	35.08	-	54.00	18.92
Horizontal	Peak	1500.1800	39.13 *	-	74.00	34.87
Horizontal	Average	1500.1800	34.16	-	54.00	19.84
Horizontal	Peak	4873.8200	51.75 *	-	74.00	22.25
Horizontal	Average	4873.8200	45.99	-	54.00	8.01
Vertical	Peak	4873.9200	53.42 *	-	74.00	20.58
Vertical	Average	4873.9200	48.83	-	54.00	5.17

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

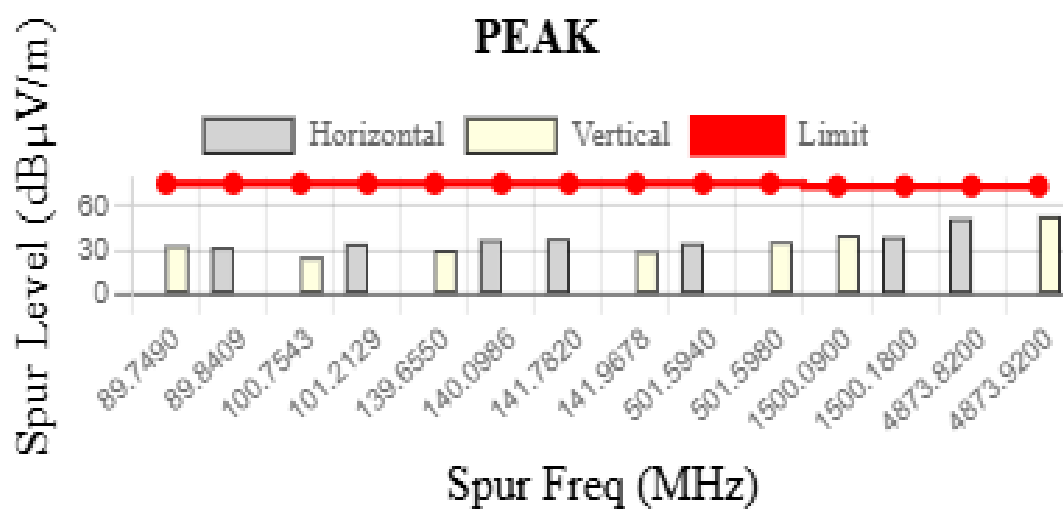
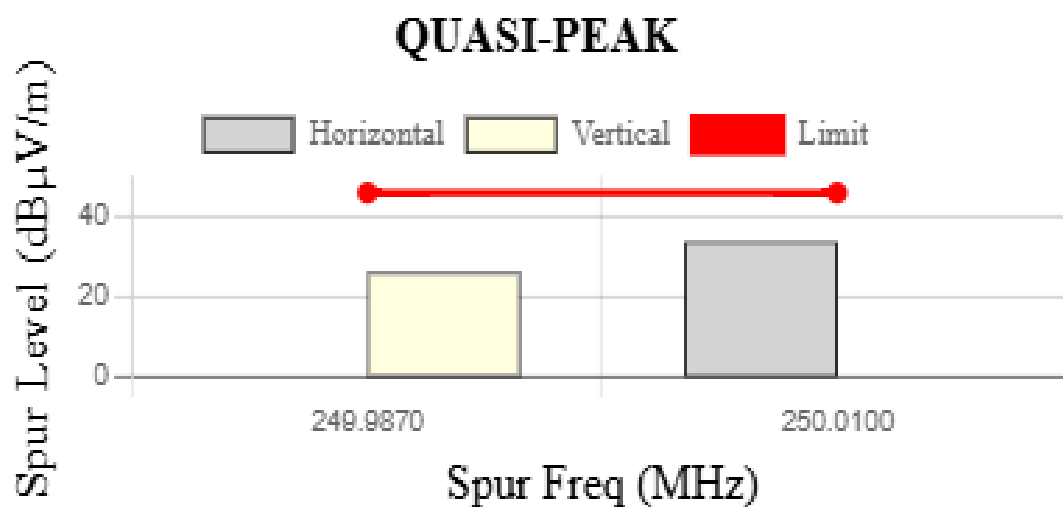
Remarks:

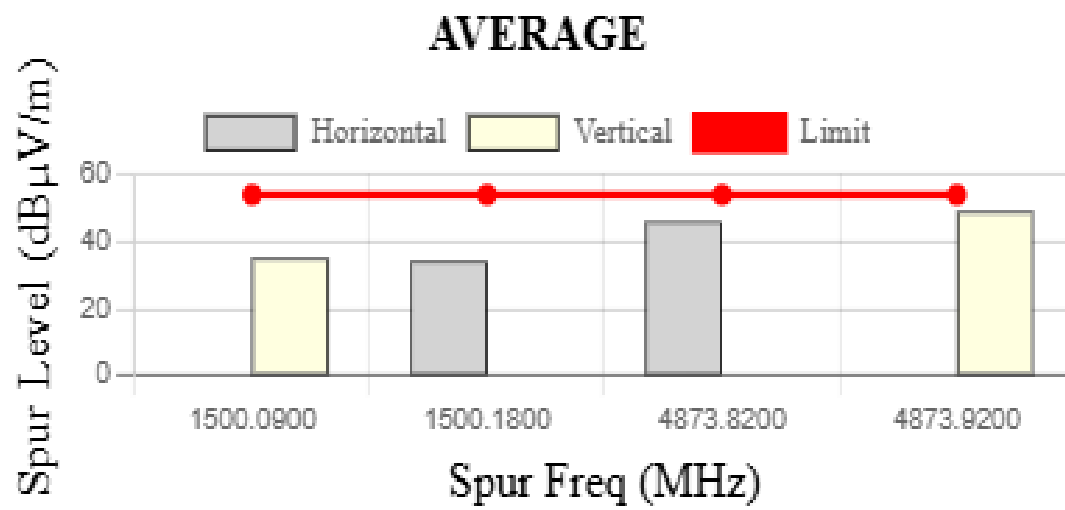
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11b Channel SP/Bandwidth (kHz) : 20000.0000
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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.4241	25.54	-	40.00	14.46
Vertical	Quasi-Peak	74.5870	27.80	-	40.00	12.20
Horizontal	Peak	79.1501	33.98 *	95.89	75.89	41.92
Vertical	Peak	79.2700	33.37 *	95.89	75.89	42.52
Vertical	Peak	89.3824	33.30 *	95.89	75.89	42.59
Horizontal	Peak	89.6821	31.99 *	95.89	75.89	43.91
Horizontal	Peak	141.8761	38.19 *	95.89	75.89	37.70
Vertical	Peak	142.1049	27.36 *	95.89	75.89	48.53
Horizontal	Quasi-Peak	249.9940	33.82	-	46.00	12.18
Vertical	Quasi-Peak	250.0020	26.11	-	46.00	19.89
Horizontal	Peak	501.5830	34.68 *	95.89	75.89	41.21
Vertical	Peak	501.6139	35.58 *	95.89	75.89	40.31
Horizontal	Peak	1499.8480	39.89 *	-	74.00	34.11
Horizontal	Average	1499.8480	34.24	-	54.00	19.76
Vertical	Peak	1500.0850	40.25 *	-	74.00	33.75
Vertical	Average	1500.0850	34.89	-	54.00	19.11
Horizontal	Peak	4923.8900	49.74 *	-	74.00	24.26
Horizontal	Average	4923.8900	45.39	-	54.00	8.61
Vertical	Peak	4923.9400	51.43 *	-	74.00	22.57
Vertical	Average	4923.9400	48.43	-	54.00	5.57

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

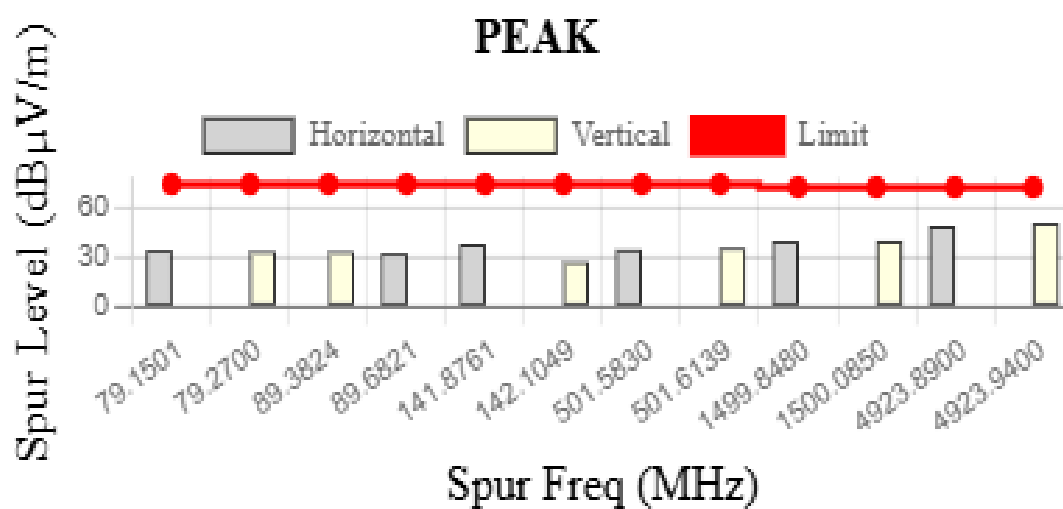
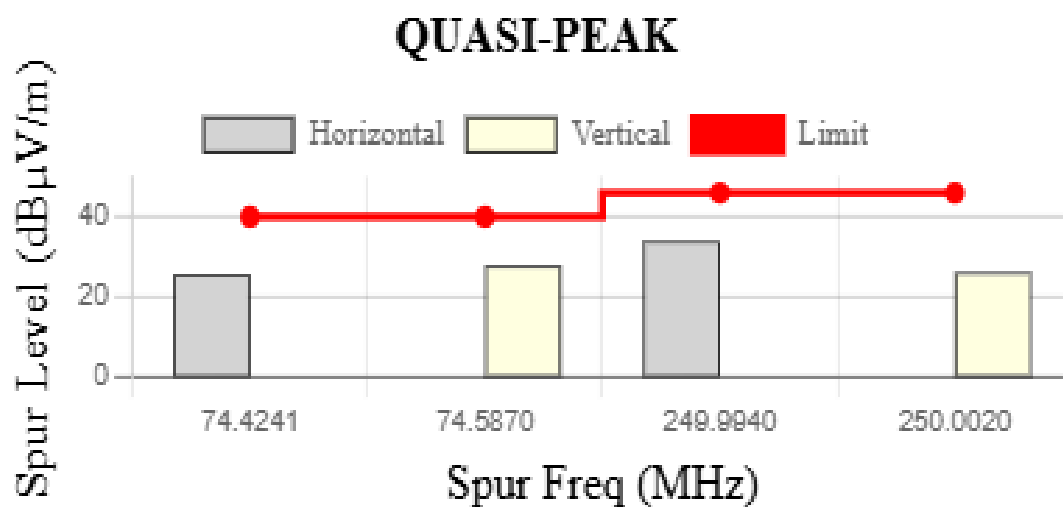
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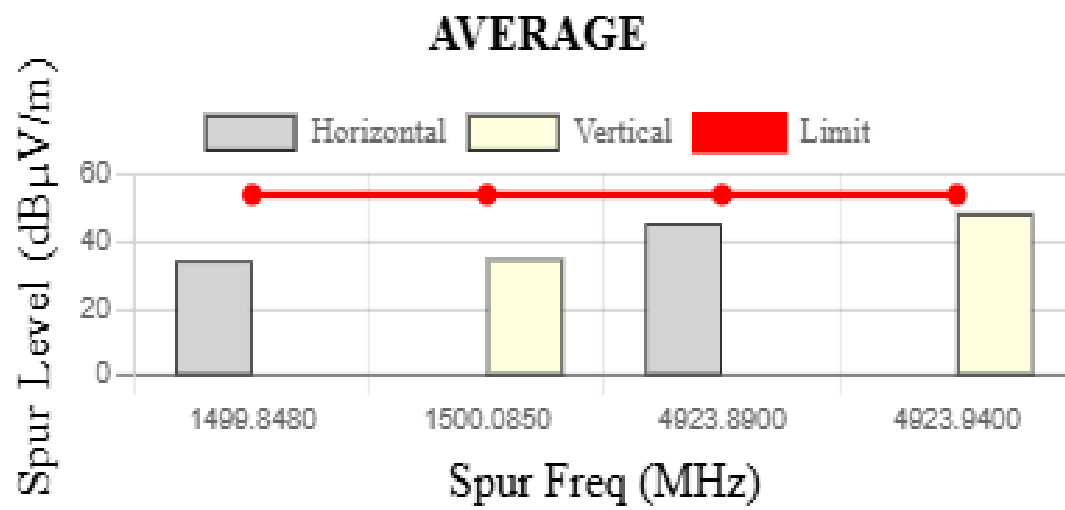
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 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- 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	31.7723	30.31 *	95.89	75.89	45.58
Horizontal	Peak	32.0730	28.03 *	95.89	75.89	47.86
Vertical	Peak	49.2983	32.62 *	95.89	75.89	43.28
Horizontal	Peak	49.9366	26.80 *	95.89	75.89	49.10
Vertical	Peak	89.1762	33.12 *	95.89	75.89	42.78
Horizontal	Peak	89.7267	32.18 *	95.89	75.89	43.72
Vertical	Peak	141.6403	28.36 *	95.89	75.89	47.53
Horizontal	Peak	142.3825	37.79 *	95.89	75.89	38.11
Horizontal	Quasi-Peak	250.0110	34.06	-	46.00	11.94
Vertical	Quasi-Peak	250.0140	27.87	-	46.00	18.13
Vertical	Peak	501.5830	35.37 *	95.89	75.89	40.52
Horizontal	Peak	501.5880	34.30 *	95.89	75.89	41.60
Horizontal	Peak	1499.9000	39.14 *	-	74.00	34.86
Horizontal	Average	1499.9000	32.72 *	-	54.00	21.28
Vertical	Peak	1499.9400	39.72 *	-	74.00	34.28
Vertical	Average	1499.9400	34.90	-	54.00	19.10
Horizontal	Peak	4814.0500	51.22 *	-	74.00	22.78
Horizontal	Average	4814.0500	39.18	-	54.00	14.82
Vertical	Peak	4824.9390	52.26 *	-	74.00	21.74
Vertical	Average	4824.9390	40.11	-	54.00	13.89

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

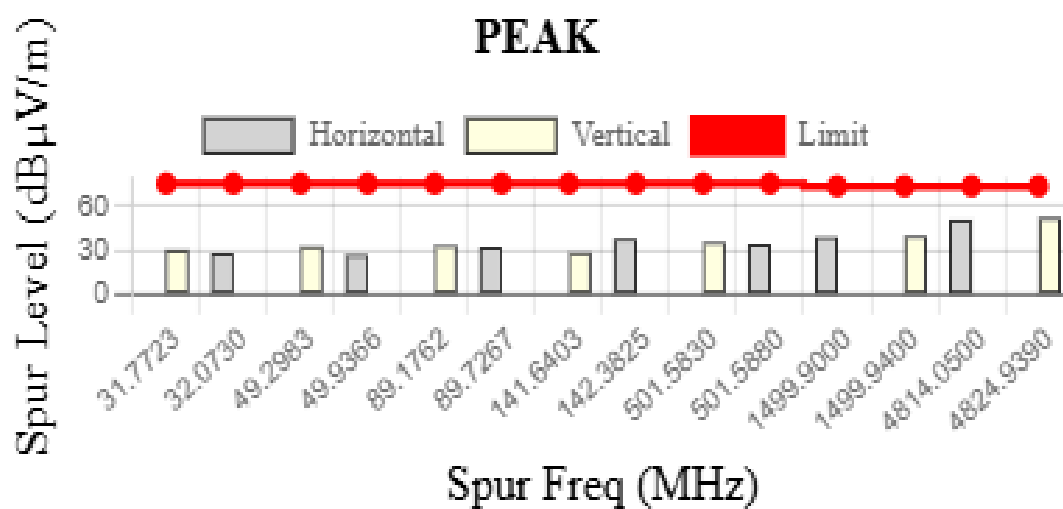
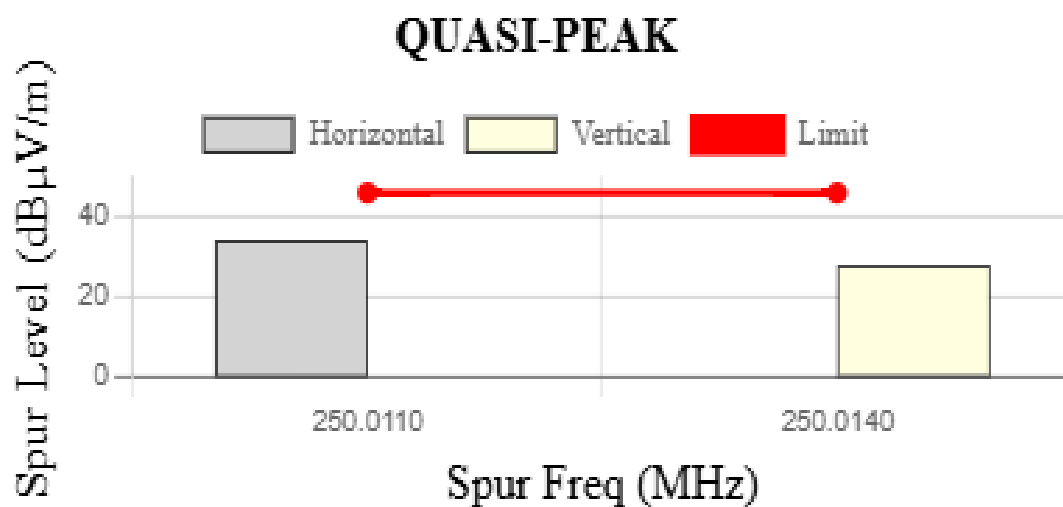
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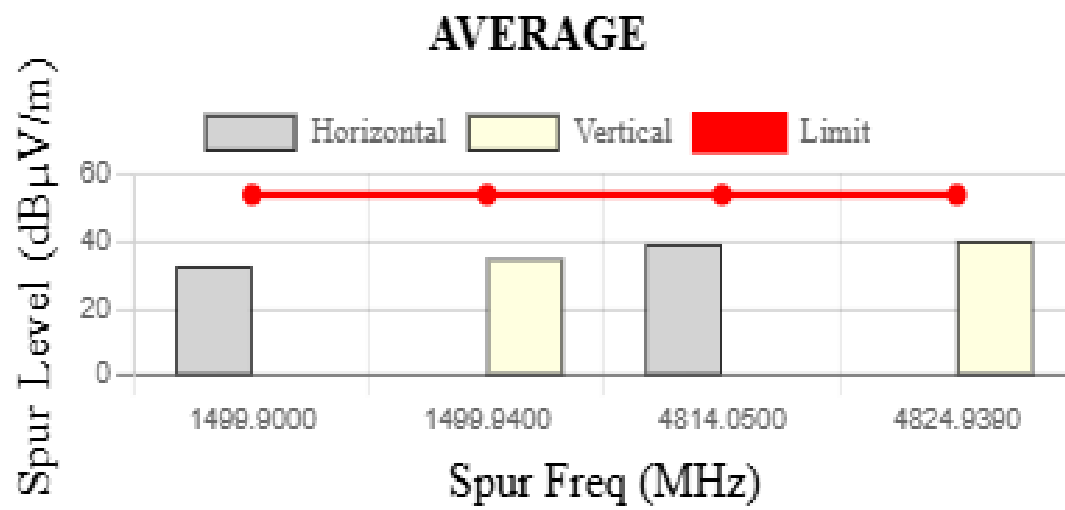
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11g Channel SP/Bandwidth (kHz) : 20000.0000
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	32.8925	29.20 *	95.89	75.89	46.70
Horizontal	Peak	33.6068	27.02 *	95.89	75.89	48.87
Vertical	Peak	85.2563	35.73 *	95.89	75.89	40.17
Horizontal	Peak	85.9416	31.78 *	95.89	75.89	44.11
Vertical	Peak	101.3674	33.11 *	95.89	75.89	42.78
Horizontal	Peak	101.5901	35.39 *	95.89	75.89	40.51
Vertical	Peak	139.9423	29.40 *	95.89	75.89	46.49
Horizontal	Peak	140.1331	37.73 *	95.89	75.89	38.16
Horizontal	Quasi-Peak	250.0000	33.42	-	46.00	12.58
Vertical	Quasi-Peak	250.0030	27.12	-	46.00	18.88
Vertical	Peak	501.5970	35.43 *	95.89	75.89	40.46
Horizontal	Peak	501.6040	34.82 *	95.89	75.89	41.07
Horizontal	Peak	1499.9320	39.09 *	-	74.00	34.91
Horizontal	Average	1499.9320	34.15	-	54.00	19.85
Vertical	Peak	1499.9810	40.77 *	-	74.00	33.23
Vertical	Average	1499.9810	36.20	-	54.00	17.80
Horizontal	Peak	4873.7980	53.20 *	-	74.00	20.80
Horizontal	Average	4873.7980	40.73	-	54.00	13.27
Vertical	Peak	4873.9760	53.13 *	-	74.00	20.87
Vertical	Average	4873.9760	37.96	-	54.00	16.04

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

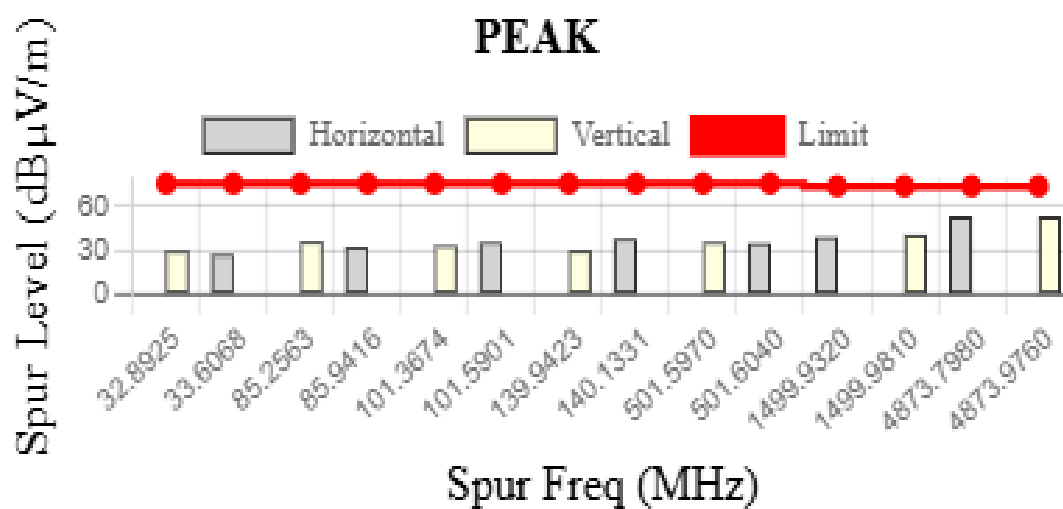
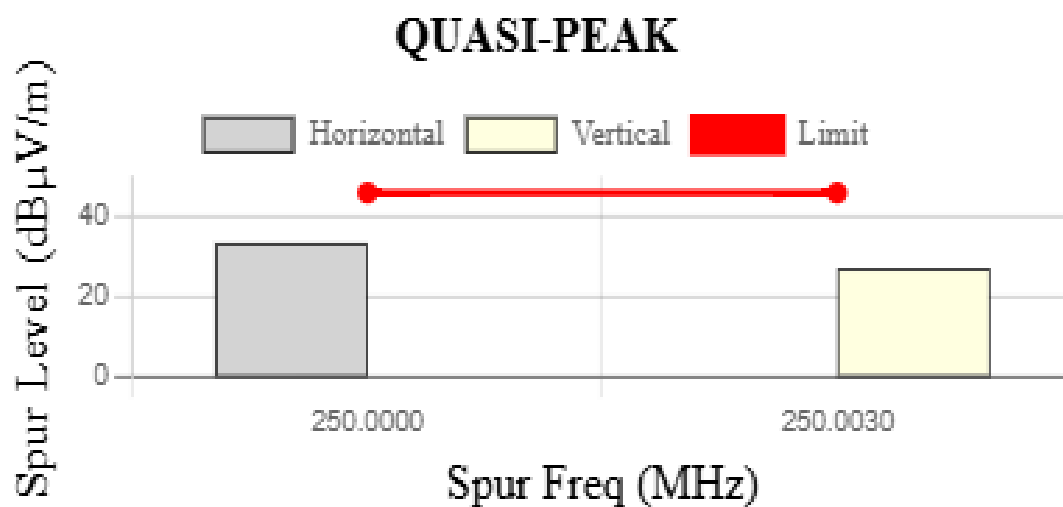
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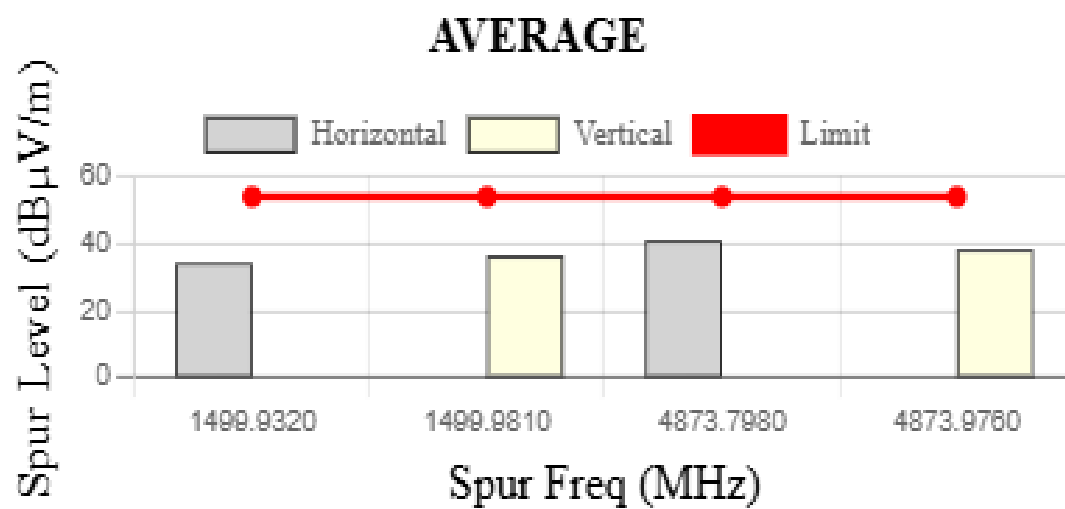
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1,
PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11g Channel SP/Bandwidth (kHz) : 20000.0000
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	38.7813	26.27 *	95.89	75.89	49.62
Vertical	Peak	38.7973	34.17 *	95.89	75.89	41.72
Horizontal	Peak	48.9765	33.83 *	95.89	75.89	42.06
Vertical	Peak	49.2602	39.50 *	95.89	75.89	36.39
Horizontal	Peak	81.5960	38.35 *	95.89	75.89	37.54
Vertical	Peak	81.5970	38.56 *	95.89	75.89	37.33
Vertical	Peak	139.3259	30.08 *	95.89	75.89	45.81
Horizontal	Peak	139.6026	37.67 *	95.89	75.89	38.23
Vertical	Quasi-Peak	249.9940	27.72	-	46.00	18.28
Horizontal	Quasi-Peak	250.0110	34.18	-	46.00	11.82
Horizontal	Peak	501.5820	34.94 *	95.89	75.89	40.95
Vertical	Peak	501.6020	35.50 *	95.89	75.89	40.39
Vertical	Peak	1500.1180	40.49 *	-	74.00	33.51
Vertical	Average	1500.1180	35.98	-	54.00	18.02
Horizontal	Peak	1500.3340	39.07 *	-	74.00	34.93
Horizontal	Average	1500.3340	31.71 *	-	54.00	22.29
Horizontal	Peak	4923.5830	49.43 *	-	74.00	24.57
Horizontal	Average	4923.5830	37.19	-	54.00	16.81
Vertical	Peak	4924.0350	51.43 *	-	74.00	22.57
Vertical	Average	4924.0350	36.63	-	54.00	17.37

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

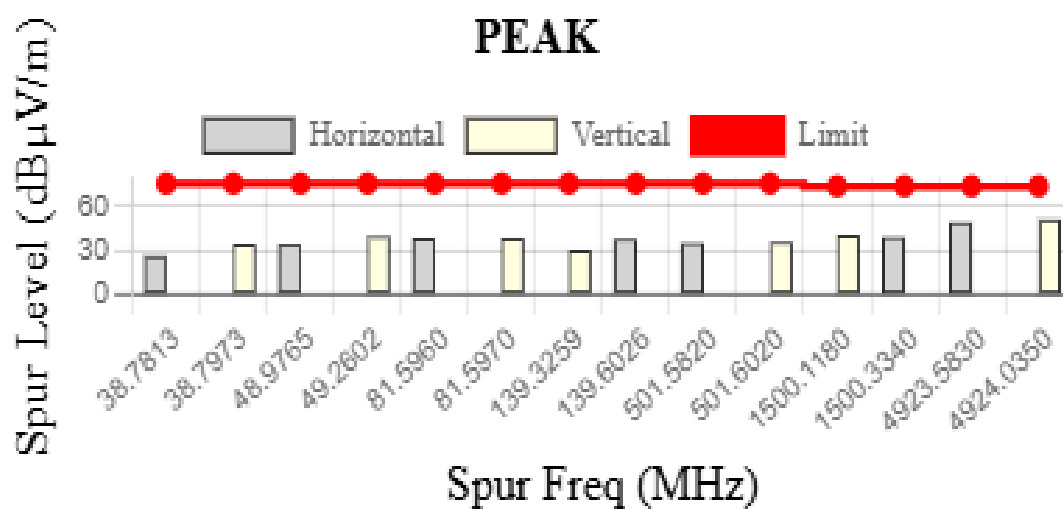
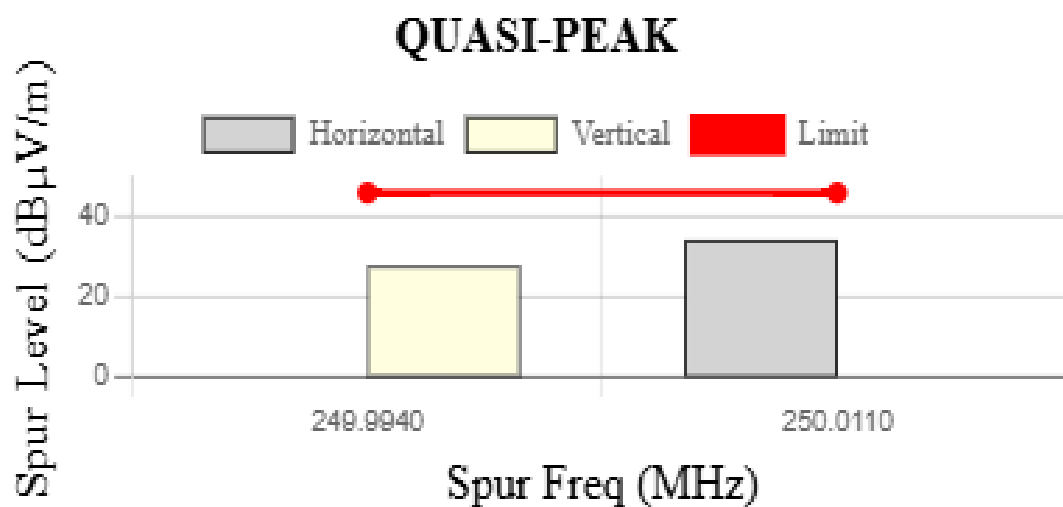
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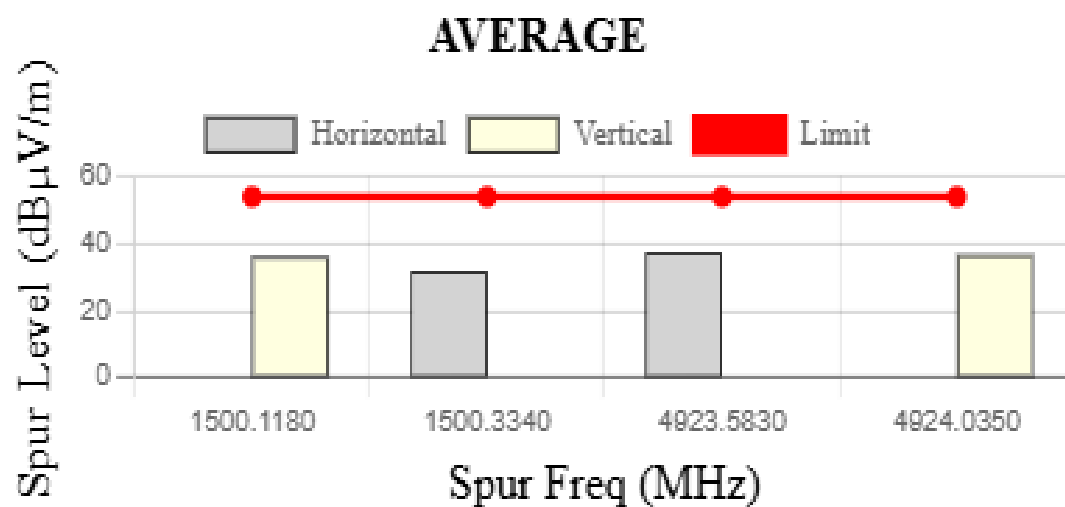
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 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- 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	41.4043	30.04 *	95.89	75.89	45.86
Horizontal	Peak	41.5451	26.61 *	95.89	75.89	49.28
Vertical	Peak	49.3880	38.76 *	95.89	75.89	37.14
Horizontal	Peak	49.8416	33.57 *	95.89	75.89	42.32
Vertical	Peak	79.2634	38.86 *	95.89	75.89	37.03
Horizontal	Peak	79.7130	39.58 *	95.89	75.89	36.31
Vertical	Peak	139.6654	27.22 *	95.89	75.89	48.67
Horizontal	Peak	139.7703	38.26 *	95.89	75.89	37.63
Horizontal	Quasi-Peak	250.0070	33.99	-	46.00	12.01
Vertical	Quasi-Peak	250.0230	27.56	-	46.00	18.44
Vertical	Peak	501.5930	35.20 *	95.89	75.89	40.69
Horizontal	Peak	501.6089	34.77 *	95.89	75.89	41.12
Vertical	Peak	1499.9530	40.75 *	-	74.00	33.25
Vertical	Average	1499.9530	36.70	-	54.00	17.30
Horizontal	Peak	1500.2190	38.30 *	-	74.00	35.70
Horizontal	Average	1500.2190	32.63 *	-	54.00	21.37
Vertical	Peak	4823.8460	53.96 *	-	74.00	20.04
Vertical	Average	4823.8460	40.67	-	54.00	13.33
Horizontal	Peak	4824.3370	50.07 *	-	74.00	23.93
Horizontal	Average	4824.3370	36.43	-	54.00	17.57

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

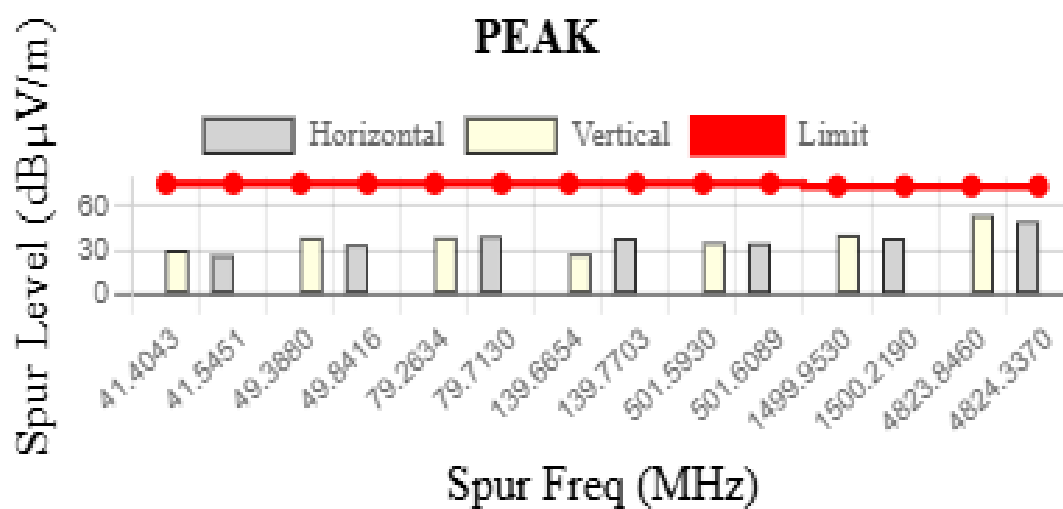
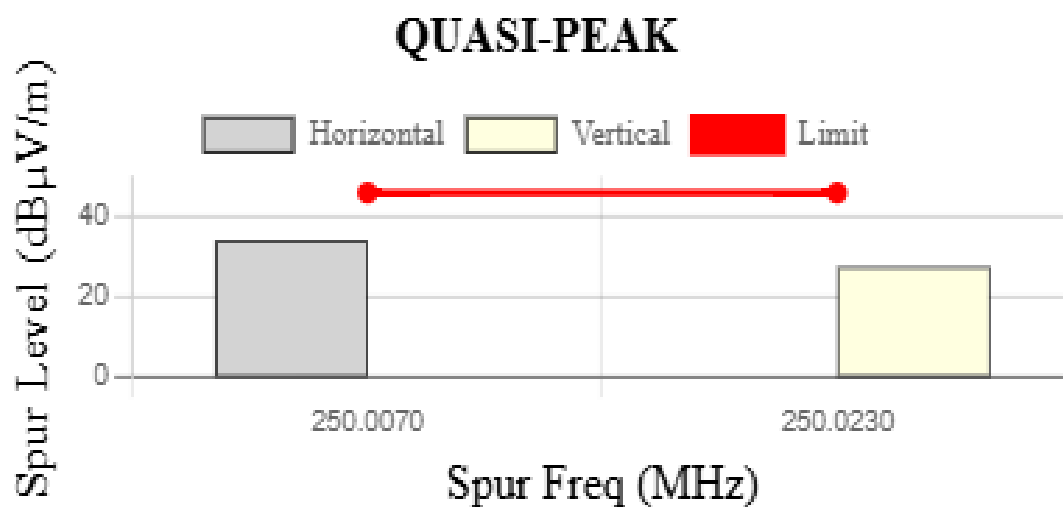
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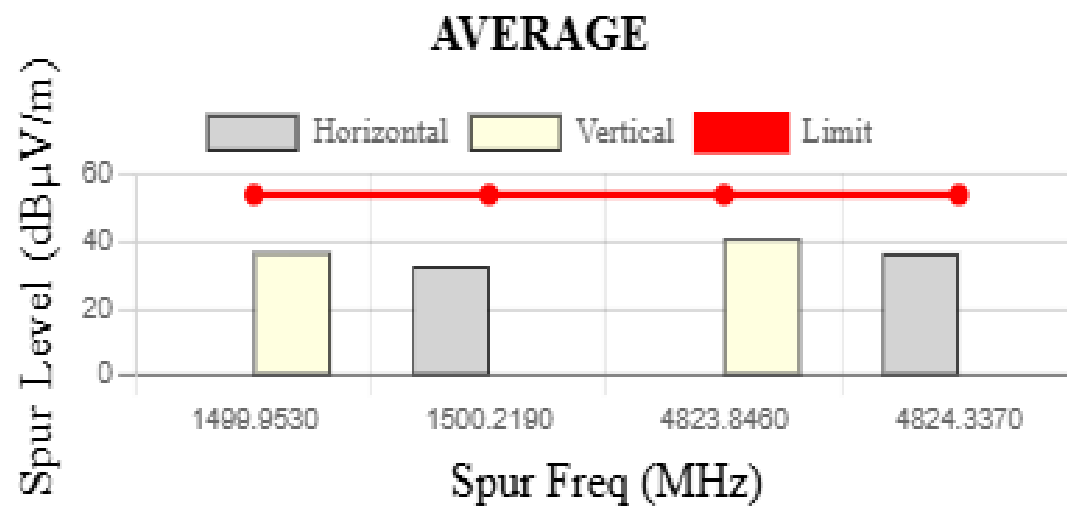
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth (kHz) : 20000.0000
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	40.8812	31.46 *	95.89	75.89	44.44
Horizontal	Peak	41.0790	24.63 *	95.89	75.89	51.26
Vertical	Peak	49.5372	37.52 *	95.89	75.89	38.37
Horizontal	Peak	49.7420	32.27 *	95.89	75.89	43.62
Vertical	Peak	80.1445	37.57 *	95.89	75.89	38.32
Horizontal	Peak	80.2953	37.89 *	95.89	75.89	38.01
Horizontal	Peak	141.7588	38.07 *	95.89	75.89	37.82
Vertical	Peak	141.9846	28.99 *	95.89	75.89	46.90
Vertical	Quasi-Peak	250.0090	27.06	-	46.00	18.94
Horizontal	Quasi-Peak	250.0090	33.92	-	46.00	12.08
Horizontal	Peak	501.5800	35.07 *	95.89	75.89	40.82
Vertical	Peak	501.6159	35.23 *	95.89	75.89	40.66
Horizontal	Peak	1500.1420	38.85 *	-	74.00	35.15
Horizontal	Average	1500.1420	32.67 *	-	54.00	21.33
Vertical	Peak	1500.2110	40.66 *	-	74.00	33.34
Vertical	Average	1500.2110	34.40	-	54.00	19.60
Horizontal	Peak	4874.0140	52.40 *	-	74.00	21.60
Horizontal	Average	4874.0140	37.93	-	54.00	16.07
Vertical	Peak	4874.1890	57.46	-	74.00	16.54
Vertical	Average	4874.1890	44.96	-	54.00	9.04

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

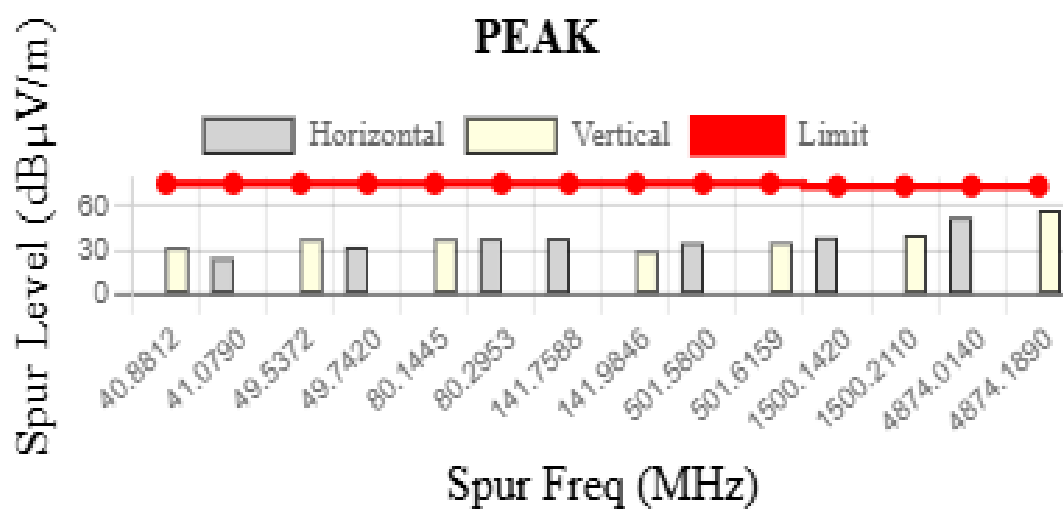
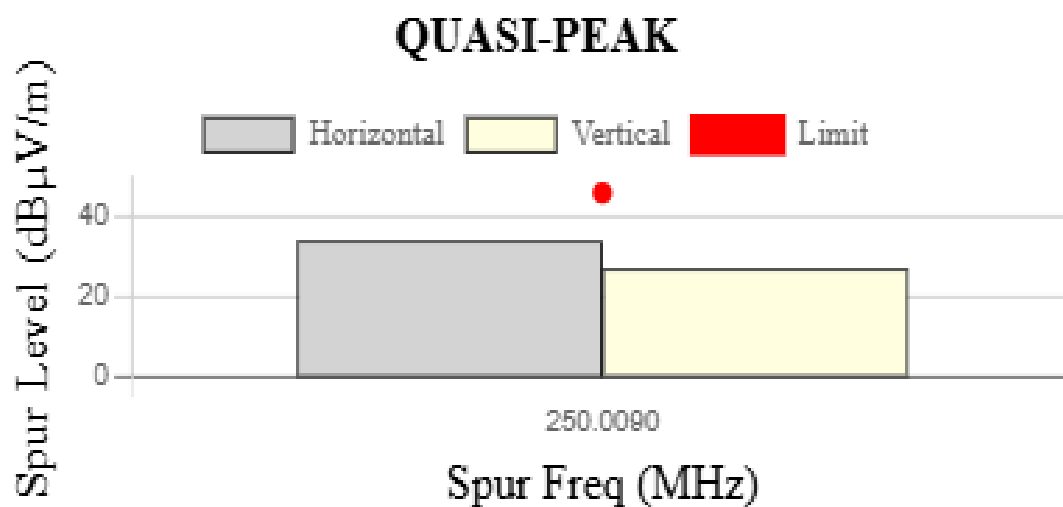
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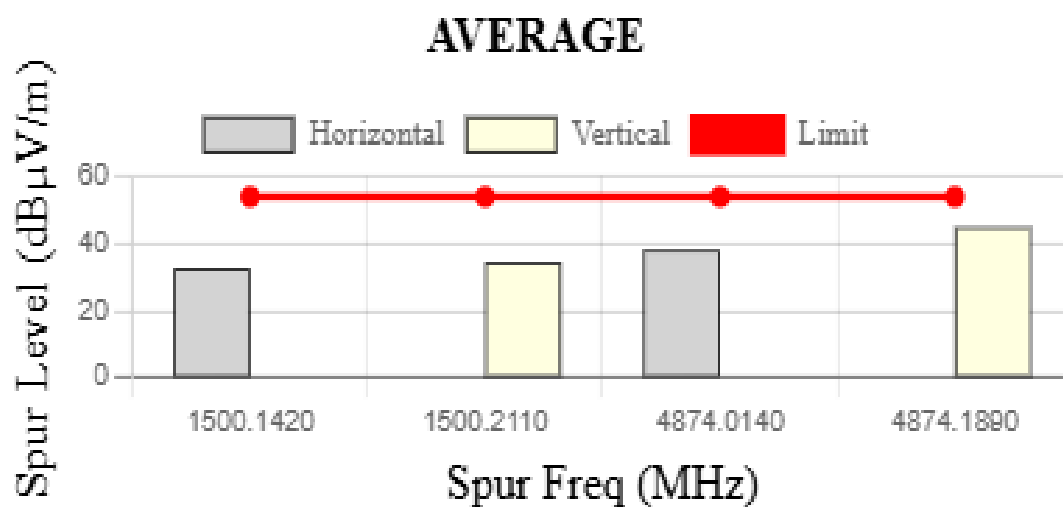
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*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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 : 1467N00-EMC-00043

FCC ID : AZ492FT7189 IC : 109U-92FT7189
Model No : AAM29JNN9YA1AN Serial No : 008TCF1512
Battery : - Charger : -
Accessory : HAD4022A, PMAN4013A, PMLN8805A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, 3087791G01
Test Mode : Wifi 2.4 GHz 802.11n Channel SP/Bandwidth (kHz) : 20000.0000
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	38.4013	27.32 *	95.89	75.89	48.57
Vertical	Peak	38.4242	32.50 *	95.89	75.89	43.40
Vertical	Peak	49.0522	37.19 *	95.89	75.89	38.71
Horizontal	Peak	49.4678	32.59 *	95.89	75.89	43.30
Horizontal	Peak	79.3504	38.83 *	95.89	75.89	37.07
Vertical	Peak	79.7930	38.08 *	95.89	75.89	37.82
Horizontal	Peak	140.3656	37.92 *	95.89	75.89	37.97
Vertical	Peak	140.3826	26.94 *	95.89	75.89	48.96
Horizontal	Quasi-Peak	250.0090	34.11	-	46.00	11.89
Vertical	Quasi-Peak	250.0110	27.85	-	46.00	18.15
Horizontal	Peak	501.6119	34.59 *	95.89	75.89	41.30
Vertical	Peak	501.6139	36.12 *	95.89	75.89	39.77
Horizontal	Peak	1499.8220	38.98 *	-	74.00	35.02
Horizontal	Average	1499.8220	32.39 *	-	54.00	21.61
Vertical	Peak	1499.9270	40.70 *	-	74.00	33.30
Vertical	Average	1499.9270	35.31	-	54.00	18.69
Horizontal	Peak	4923.5030	49.74 *	-	74.00	24.26
Horizontal	Average	4923.5030	34.71	-	54.00	19.29
Vertical	Peak	4923.5860	51.61 *	-	74.00	22.39
Vertical	Average	4923.5860	36.47	-	54.00	17.53

Temperature (°C) : 23.6 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Tue, 14 Apr, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

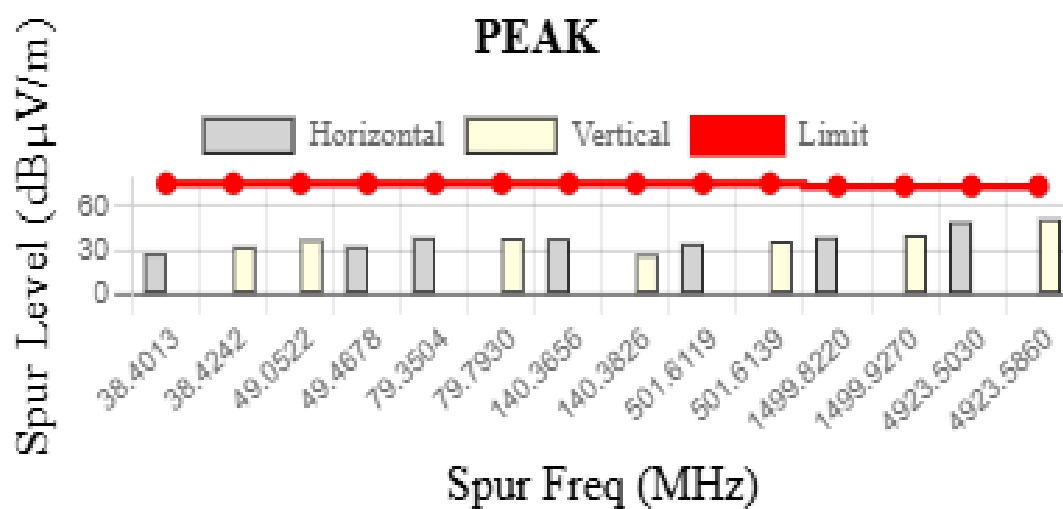
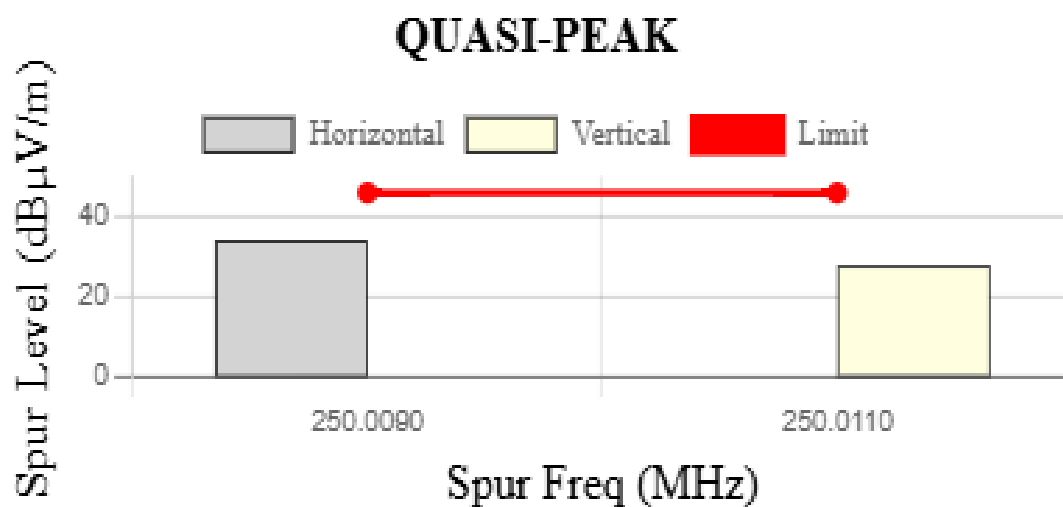
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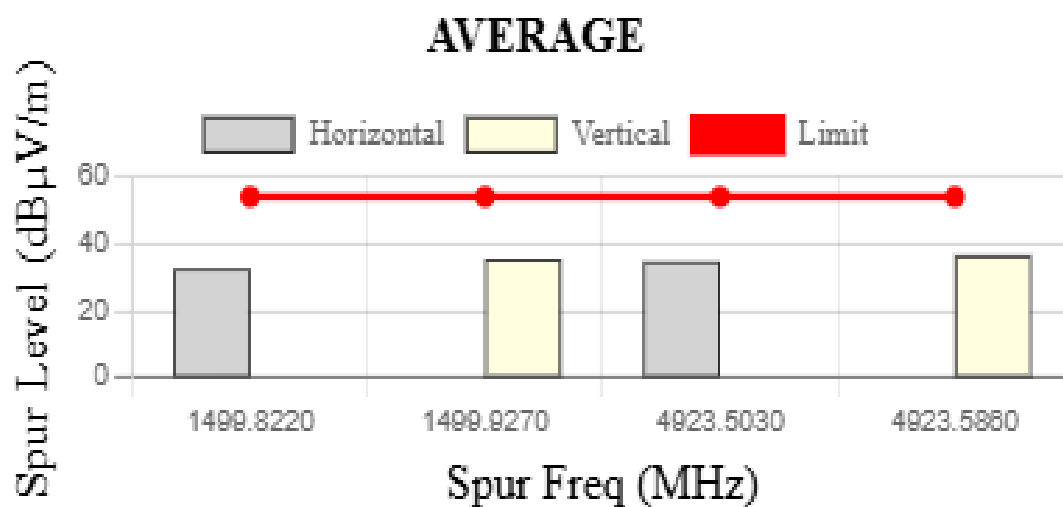
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

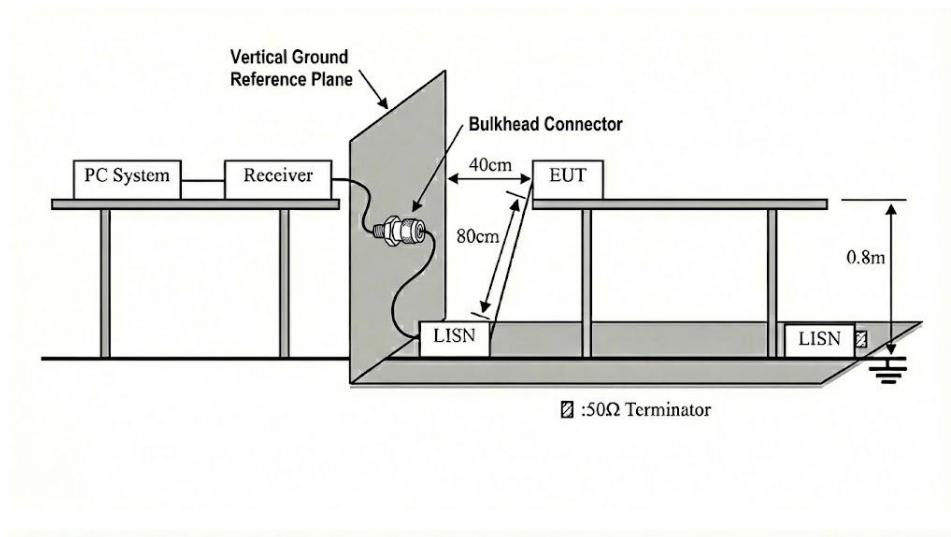
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.





6.8. AC Powerline Conducted Emission

6.8.1. 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.

6.8.2. 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

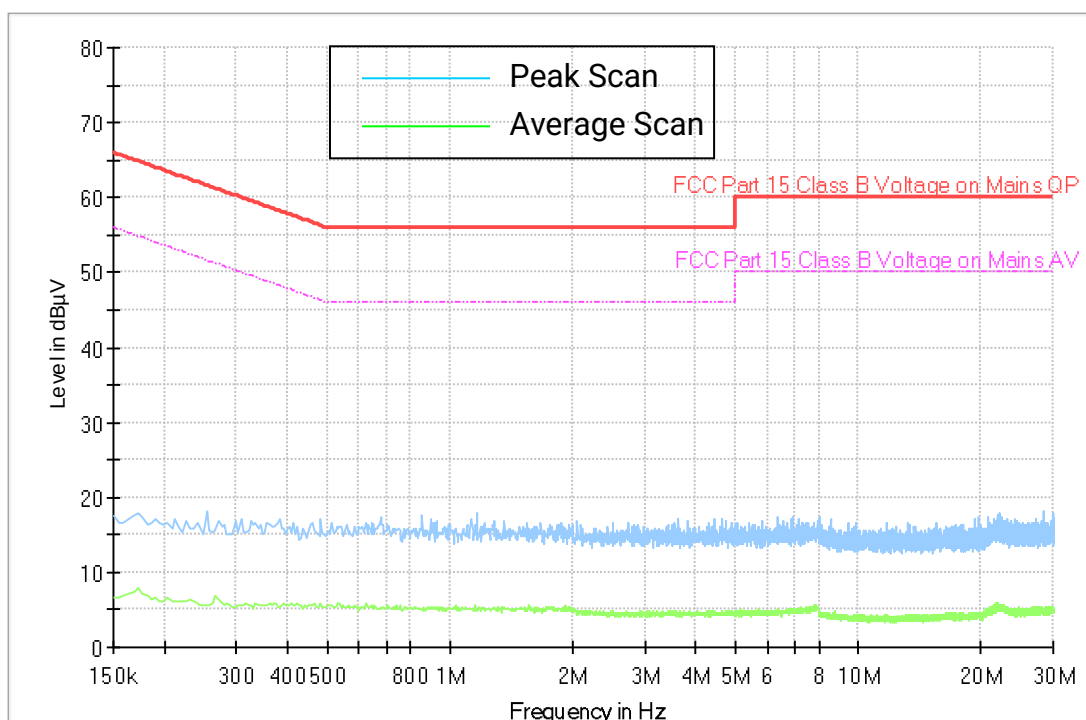
6.8.3. Test Result

Report ID: 1467N00-EMC-00043
Temperature: 22.1 °C
Humidity: 64.0 %RH
Tester: Helmy
Date of Test: 20 April 2026

120VAC, 60Hz

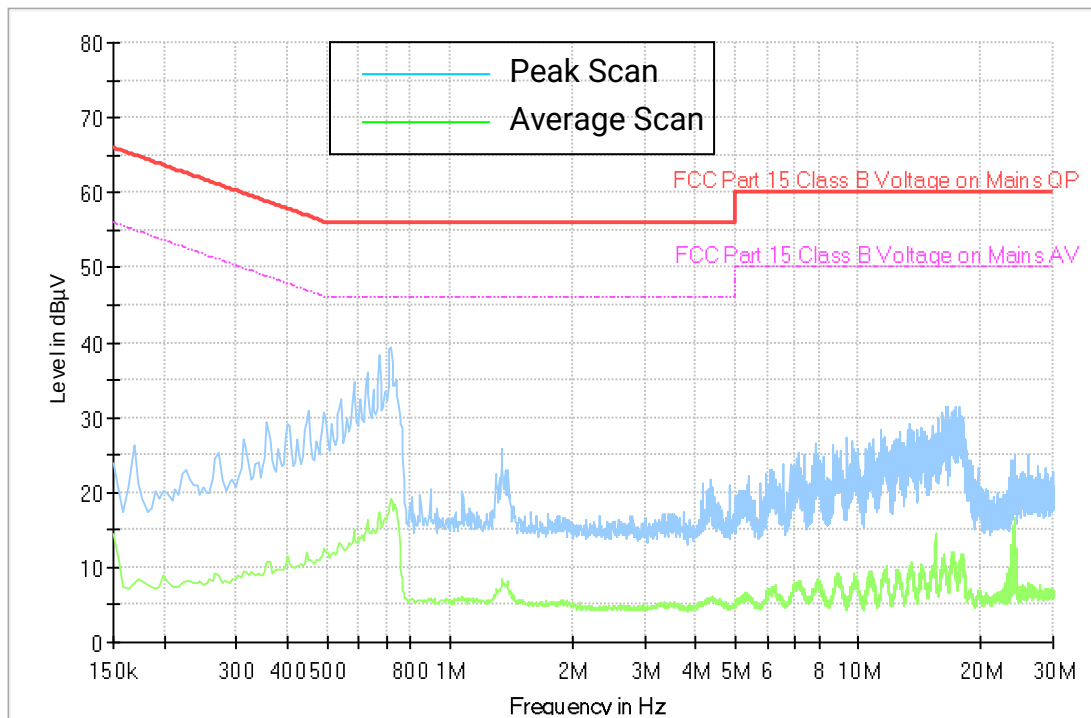
1) Ambient

Full Spectrum

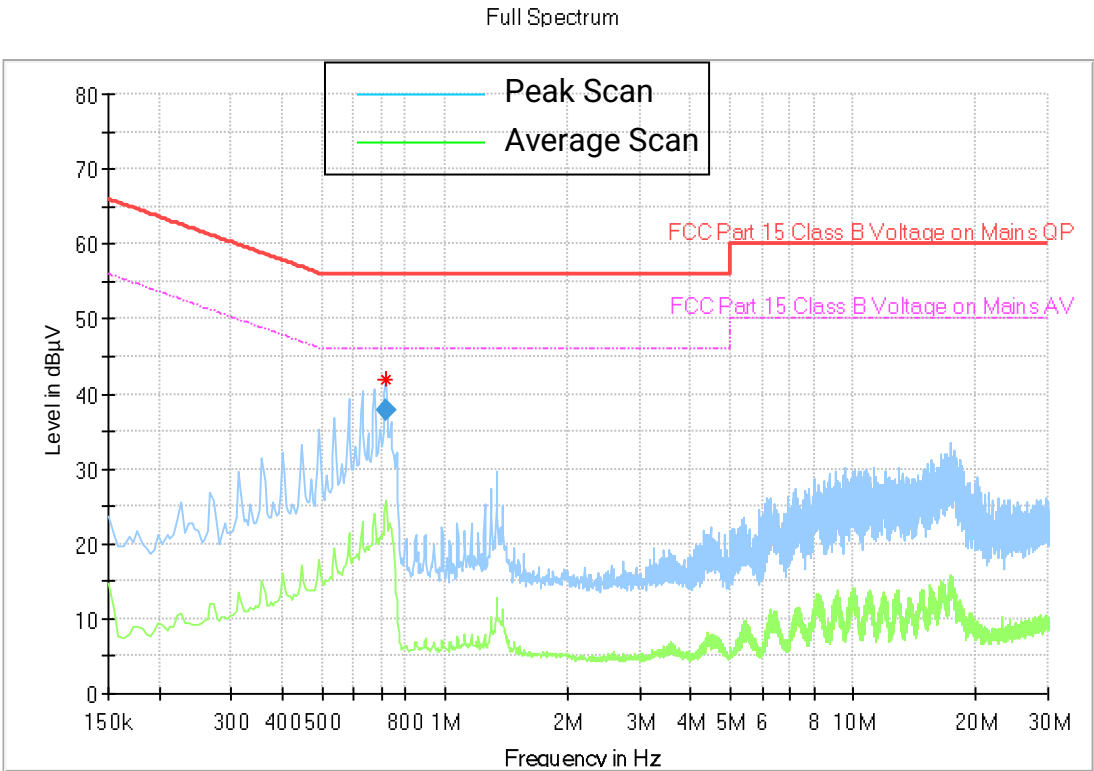


2) PSU Alone

Full Spectrum



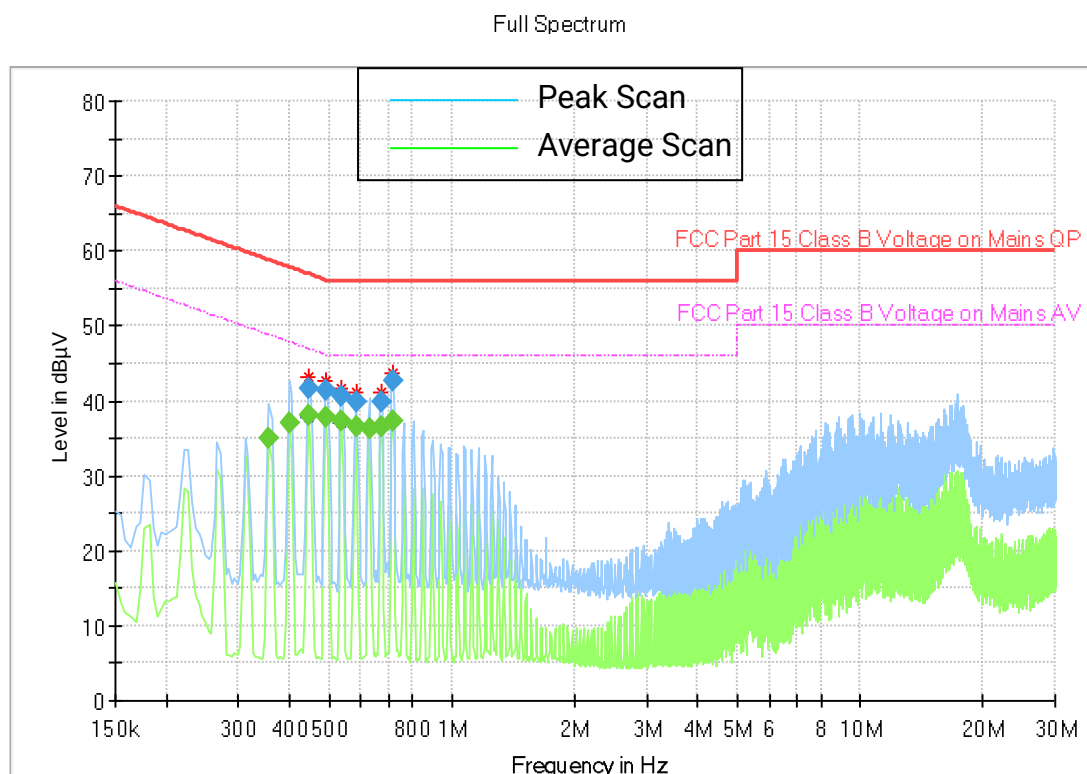
3) PSU + Radio Off



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.717000	37.70	---	56.00	18.30	N	ON	9.9

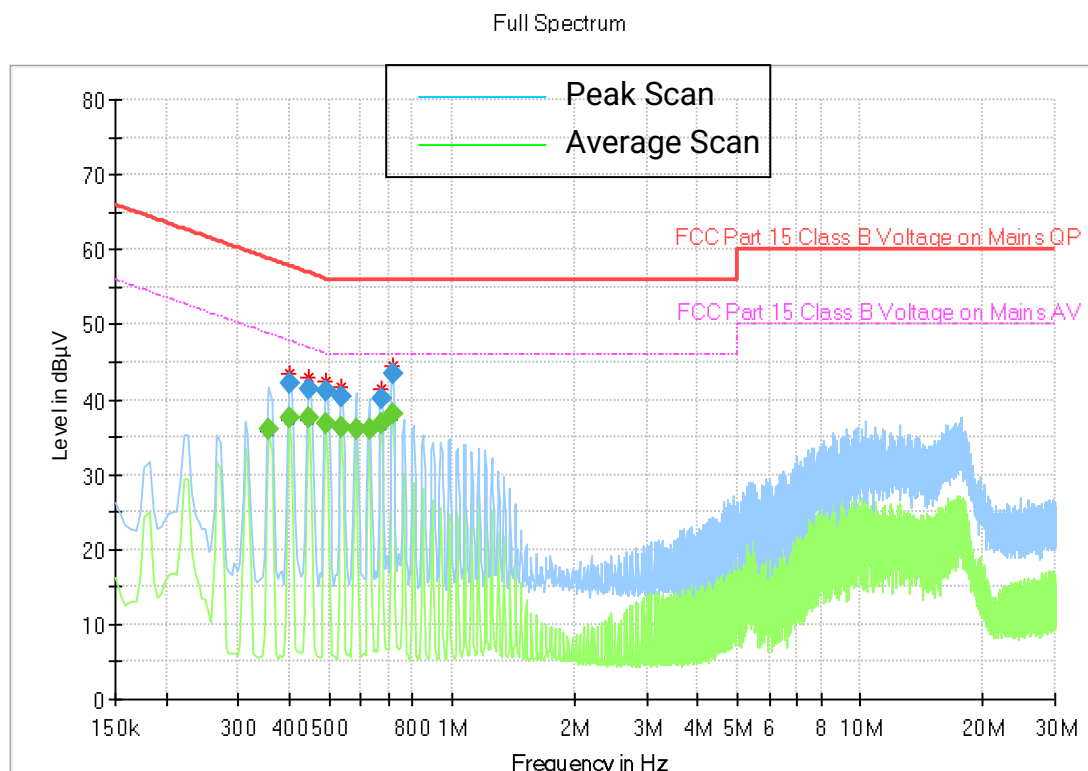
4) PSU + Radio Standby



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.357000	---	35.05	48.80	13.75	N	ON	10.0
0.402000	---	37.09	47.81	10.72	N	ON	10.0
0.447000	---	37.99	46.93	8.94	N	ON	10.0
0.447000	41.75	---	56.93	15.18	N	ON	10.0
0.492000	---	37.87	46.13	8.27	N	ON	10.0
0.492000	41.38	---	56.13	14.76	N	ON	10.0
0.537000	---	37.19	46.00	8.81	N	ON	10.0
0.537000	40.59	---	56.00	15.41	N	ON	10.0
0.582000	39.79	---	56.00	16.21	N	ON	10.0
0.582000	---	36.62	46.00	9.38	N	ON	10.0
0.627000	---	36.40	46.00	9.60	N	ON	10.0
0.672000	39.84	---	56.00	16.16	N	ON	9.9
0.672000	---	36.64	46.00	9.36	L1	ON	9.9
0.717000	---	37.33	46.00	8.67	N	ON	9.9
0.717000	42.68	---	56.00	13.32	L1	ON	9.9

5) PSU + Radio Transmit (WIFI 2.4GHz TX CH: 2412, MOD: 802.11n HT20)



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.357000	---	36.04	48.80	12.75	N	ON	10.0
0.402000	42.15	---	57.81	15.67	N	ON	10.0
0.402000	---	37.55	47.81	10.26	N	ON	10.0
0.447000	---	37.51	46.93	9.42	N	ON	10.0
0.447000	41.50	---	56.93	15.44	N	ON	10.0
0.492000	---	36.82	46.13	9.31	N	ON	10.0
0.492000	41.09	---	56.13	15.04	N	ON	10.0
0.537000	40.34	---	56.00	15.66	L1	ON	10.0
0.537000	---	36.29	46.00	9.71	N	ON	10.0
0.582000	---	36.07	46.00	9.93	L1	ON	10.0
0.627000	---	36.11	46.00	9.89	L1	ON	10.0
0.672000	40.10	---	56.00	15.90	L1	ON	9.9
0.672000	---	36.75	46.00	9.25	L1	ON	9.9
0.717000	---	37.98	46.00	8.02	N	ON	9.9
0.717000	43.41	---	56.00	12.59	N	ON	9.9

END OF TEST REPORT