

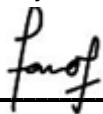
 MOTOROLA SOLUTIONS	    CERTIFICATE 2518.08 SAMM 825																												
MOTOROLA PENANG ADV. COMM. LABORATORY Motorola Solutions Malaysia Sdn. Bhd. Plot 2A Medan Bayan Lepas, Mukim 12, S.W.D. 11900 Bayan Lepas, Penang, Malaysia.	FCC / IC TEST REPORT Report Revision : Rev.A																												
<table><tr><td>Date/s Tested</td><td>: 07-May-2026 - 23-May-2026</td></tr><tr><td>Manufacturer/Location</td><td>: Motorola Solutions Malaysia SDN BHD</td></tr><tr><td>Manufacturer Address</td><td>: Plot 2A Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>Requestor</td><td>: CHUAH YIH JIAN</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>: AAM29QNN9YA1AN</td></tr><tr><td>Frequency Band</td><td>: 5180 - 5825 MHz</td></tr><tr><td>Firmware Version Identification Number (FVIN)</td><td>: D02.26.02.0175</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></table> The equipment was tested accordance to the requirement listed below: <table><tr><td>(5GHz Wi-Fi) FCC 47 CFR Part 15 Subpart E ISED RSS 247 Issue 4</td><td>PASS</td></tr></table>		Date/s Tested	: 07-May-2026 - 23-May-2026	Manufacturer/Location	: Motorola Solutions Malaysia SDN BHD	Manufacturer Address	: Plot 2A Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia	Requestor	: CHUAH YIH JIAN	Product Type	: Mobile / Vehicle Mount	Product Marketing Name (PMN)	: MR7r	Hardware Version Identification Number (HVIN)	: AAM29QNN9YA1AN	Frequency Band	: 5180 - 5825 MHz	Firmware Version Identification Number (FVIN)	: D02.26.02.0175	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	(5GHz Wi-Fi) FCC 47 CFR Part 15 Subpart E ISED RSS 247 Issue 4	PASS
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Prepared By:  _____ SITI NURHIDAYATI BINTI ABDUL HALIM Technician	Approved Signatory:  _____ VINCENT FOONG CHUEN KIT Responsible Engineer																												

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Revision History	Description	Date	Originator
Rev. A	Initial Report	21-June-2026	Hidayati

1.0. Summary of Test Results

FCC Clause	IC Clause	Test Item	Result	Remarks	Serial Number tested	Tested by
15.407 (a) (1/2/3)	RSS 247 6.2	Maximum Conducted Output Power (Average)	Pass	Highest output power: 802.11a: 14.333dBm (27.121mW) 802.11n20/ac20: 13.213dBm (20.956mW)	008TCH0246	Hidayati
15.407(a) (1/2/3)	RSS 247 6.2	Maximum Power Spectral Density	Pass	Meet the requirement limits.	008TCH0246	Hidayati
15.407 (e)	RSS 247 6.2.4	6dB Bandwidth	Pass	a20: 16.812 MHz (16M8D1D) n20/ac20: 17.733 MHz (17M7D1D)	008TCH0246	Hidayati
15.407 (g)	RSS Gen 6.11	Frequency Stability	Pass	Meet the requirement limits.	008TCH0246	Hidayati
15.407 (b) (1/2/3/4/6)	RSS 247 6.2	Band Edge Radiated Spurious Emission Measurement	Pass	Worst case emission: 48.15dBuV/m (Margin: 5.85dB)	008TCH0251	Nazrin, Rezza & Fuad
15.407 (b) (1/2/3/4/6)	RSS 247 6.2	Radiated Spurious Emission Measurement	Pass	Worst case emission: 32.08dBuV/m (Margin: 7.92dB)	008TCH0251	Nazrin, Rezza & Fuad
15.207 15.407 (b)(6)	RSS Gen 8.8	AC Powerline Conducted Emission	Pass	Meets the requirement limits.	008TCH0251	Helmy
15.203	-	Antenna requirement	Pass	Internal antenna is not accessible to the end-user	NA	NA

2.0. 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

3.0. Equipment List

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

Description	Model	Serial Number	Calibration Date	Calibration Due Date
CHAMBER	SH-641	92003820	09-Jul-25	09-Jul-26
POWER SUPPLY	6652A	3541A02371	3-Sep-25	3-Sep-26
SPECTRUM ANALYZER	E4440A	MY46186938	13-Nov-25	13-Nov-26

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

Description	Model	Serial Number	Calibration Date	Calibration Due Date
DRG HORN FREQ.	SAS-571	719	31-Oct-25	31-Oct-26
DRG HORN FREQ.	SAS-571	1027	21-Jul-25	21-Jul-26
DC Power Supply	6031A	3313A02730	06-Oct-25	06-Oct-26
SIGNAL GENERATOR	SMB 100A	180683	20-Dec-24	20-Dec-27
EMI TEST RECEIVER	ESW44	101731	11-Aug-25	10-Aug-26
5m SEMI-ANECHOIC CHAMBER	S800-HX	J2308	Not Required	Not Required
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	Not Required	Not Required
TURNTABLE FLUSH MOUNT 2M	FM2011	FM2011-001	Not Required	Not Required
ANTENNA POSITIONING TOWER	TLT2	090308-5	Not Required	Not Required
BROAD-BAND HORN ANTENNA	BBHA9170	BBHA9170143	30-Sep-25	30-Sep-26
PREAMPLIFIER 18-40GHz	JS44-18004000-33-8P	2034566	Not Required	Not Required
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-25	16-Jul-26
V-NETWORK 2-LINE	ENV216	101268	30-Jun-25	30-Jun-26
EMI TEST RECEIVER	ESCI 3	100225	04-Sep-25	04-Sep-26
PROGRAMMABLE AC SOURCE	61604	ABR000000926	20-Aug-25	20-Aug-26

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

4.0. General Information

General Description of EUT:

Product	Mobile / Vehicle Mount
Brand	Motorola Solutions
Test Model	GENESEE
Power Supply Rating	13.6Vdc
Mode of operation	WLAN 5GHz
Modulation Type	QPSK, BPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	OFDM
Transfer Rate	802.11a: 6.0/9.0/12.0/18.0/24.0/36.0/48.0/54.0 Mbps 802.11n: up to MCS15 802.11ac: up to MCS9
Operating Frequency	5.180 ~ 5.240 GHz, 5.260 ~ 5.320 GHz, 5.50 ~ 5.720 GHz, 5.745 ~ 5.825 GHz
Output Power (26 EBW or 99% OBW)	28.18mW for 5.180 ~ 5.240 GHz 28.18mW for 5.260 ~ 5.320 GHz 28.18mW for 5.50 ~ 5.720 GHz 28.18mW for 5.745 ~ 5.825 GHz
Antenna Type	PIFA
SW Version	D02.26.02.0175

Note:

The EUT contains following accessory devices and data cable:

Item	Brand	Model or P/N
ANTENNA COMBO GNSS (GPS/GALILEO/QZSS/GLONASS), UHF 406-420 MHZ, 3.5 DB GN MINI-U	MOTOROLA	PMAE4032B
MOBILE ANTENNA GNSS L1 & L5 MAGNET MOUNT	MOTOROLA	PMAN4013A
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
MOTOTRBO REAR ACCESSORY CONNECTOR KIT	MOTOROLA	PMLN5072A

Description of Test Modes:

For 5180 to 5240 MHz:

Channels for 802.11a, 802.11n, 802.11ac (HT20, VHT20)

Channel	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240

Channels for 802.11n, 802.11ac (HT40, VHT40)

Channel	Frequency (MHz)
38	5190
46	5230

Channels for 802.11ac (VHT80)

Channel	Frequency (MHz)
42	5210

For 5260 to 5320 MHz:

Channels for 802.11a, 802.11n, 802.11ac (HT20, VHT20)

Channel	Frequency (MHz)
52	5260
56	5280
60	5300
64	5320

Channels for 802.11n, 802.11ac (HT40, VHT40)

Channel	Frequency (MHz)
54	5270
62	5310

Channels for 802.11ac (VHT80)

Channel	Frequency (MHz)
58	5290

For 5500 to 5720 MHz:

Channels for 802.11a, 802.11n, 802.11ac (HT20, VHT20)

Channel	Frequency (MHz)
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700
144	5720

Channels for 802.11n, 802.11ac (HT40, VHT40)

Channel	Frequency (MHz)
102	5510
110	5550
118	5590
126	5630
134	5670
142	5710

Channels for 802.11ac (VHT80)

Channel	Frequency (MHz)
106	5530
122	5610
138	5690

For 5745 to 5825 MHz:

Channels for 802.11a, 802.11n, 802.11ac (HT20, VHT40)

Channel	Frequency (MHz)
149	5745
153	5765
157	5785
161	5805
165	5825

Channels for 802.11n, 802.11ac (HT40, VHT40)

Channel	Frequency (MHz)
151	5755
159	5795

Channels for 802.11ac (VHT80)

Channel	Frequency (MHz)
155	5775

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 Part15, Subpart E (15.407)

789033 D02 General UNII Test Procedures New Rules v01r04

644545 D03 Guidance for IEEE 802 11ac New Rules v01

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

RSS 247 Issue 2, RSS Gen

All test have been performed and recorded as per above standards.

Deviation from standard

Not applicable as no deviation from standard test method

Modifications to EUT

No modifications were done to the UUT to facilitate the tests in this report.

5.0. Test Mode Applicability and Test Channel Detail

EUT Configure Mode	Applicable to				Description
	RE $\geq$ 1G	RE<1G	PLC	APCM	
A	✓	✓	✓	✓	Power from adapter
B	x	✓	x	x	Power from carcharger (12Vdc)
C	x	✓	x	x	Power from carcharger (24Vdc)

Where:

RE $\geq$ 1G: Radiated Emission above 1GHz & Band edge Measurement

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

Note: The EUT had been pre-scanned on the position of each 3 axis planes. The worst case was found when positioned on Y-plane.

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	Frequency Band	MODE	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	5180-5240	802.11a	36-48	36,44,48	OFDM	BPSK	6.0
-	5180-5240	802.11n/ac (HT20, VHT20)	36-48	36,44,48	OFDM	BPSK	6.5
-	5260-5320	802.11a	52-64	52,60,64	OFDM	BPSK	6.0
-	5260-5320	802.11n/ac (HT20, VHT20)	52-46	52,60,64	OFDM	BPSK	6.5
-	5500-5700	802.11a	100-140	100,116,140	OFDM	BPSK	6.0
-	5500-5720	802.11n/ac (HT20, VHT20)	100-144	100,116,144	OFDM	BPSK	6.5
-	5745-5825	802.11a	149-165	149,157,165	OFDM	BPSK	6.0
-	5745-5825	802.11n/ac (HT20, VHT20)	149-165	149,157,165	OFDM	BPSK	6.5

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	MODE	Frequency band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	802.11a	5180-5240	36 to 48	36	OFDM	BPSK	6.0
-	802.11a	5260-5320	52 to 64		OFDM	BPSK	6.0
-	802.11a	5500-5700	100 to 140		OFDM	BPSK	6.0
-	802.11a	5745-5825	149 to 165		OFDM	BPSK	6.0

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	MODE	Frequency band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	802.11a	5180-5240	36 to 48	36	OFDM	BPSK	6.0
-	802.11a	5260-5320	52 to 64		OFDM	BPSK	6.0
-	802.11a	5500-5700	100 to 140		OFDM	BPSK	6.0
-	802.11a	5745-5825	149 to 165		OFDM	BPSK	6.0

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	Frequency Band	MODE	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
-	5180-5240	802.11a	36-48	36,44,48	OFDM	BPSK	6.0
-	5180-5240	802.11n/ac (HT20, VHT20)	36-48	36,44,48	OFDM	BPSK	6.5
-	5260-5320	802.11a	52-64	52,60,64	OFDM	BPSK	6.0
-	5260-5320	802.11n/ac (HT20, VHT20)	52-46	52,60,64	OFDM	BPSK	6.5
-	5500-5700	802.11a	100-140	100,116, 140	OFDM	BPSK	6.0
-	5500-5720	802.11n/ac (HT20, VHT20)	100-144	100,116, 144	OFDM	BPSK	6.5
-	5745-5825	802.11a	149-165	149,157, 165	OFDM	BPSK	6.0
-	5745-5825	802.11n/ac (HT20, VHT20)	149-165	149,157, 165	OFDM	BPSK	6.5

Test Condition:

Applicable To	Environmental Conditions	Input Power	Tested By
RE $\geq$ 1G	23.7°C, 68.9% RH	120V AC	Nazrin/Fuad
RE<1G	23.7°C, 68.9% RH	120V AC	Nazrin/Fuad
PLC	19.2°C, 57.2% RH	120V AC	Helmy
APCM	25°C, 50% RH	13.6V DC	Hidayati

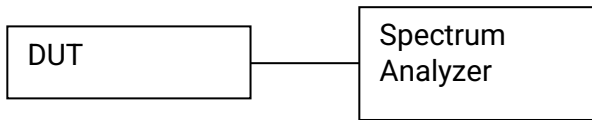
Duty Cycle of Test Signal

802.11a and 802.11n (HT20): Duty cycle of test signal is > 95%.

If Duty cycle of test signal is <98%, duty cycle factor shall be considered. (Refer to section 6.0 for duty cycle measurement)

6.0. Duty Cycle of Test Signal

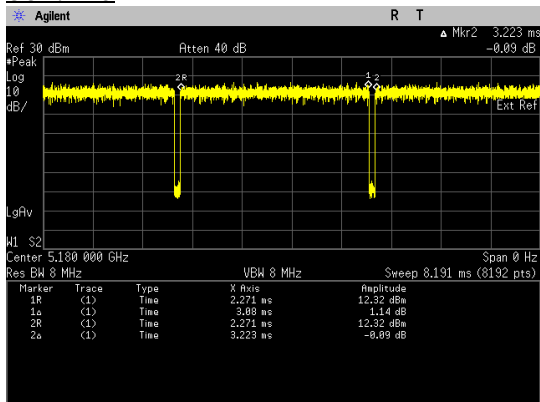
6.0.1. Test Setup



- 1) Set DUT to desire transmit frequency and transmit with maximum power.
- 2) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- 3) 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 to Zero Span.
 - d. Detector = Peak.
 - e. Sweep time = 10ms or others that allow to measure accurate duty cycle.
 - f. Trace mode = Max hold.
- 4) Record the duty cycle as X and save the plot.

6.0.2. Test Data

802.11a

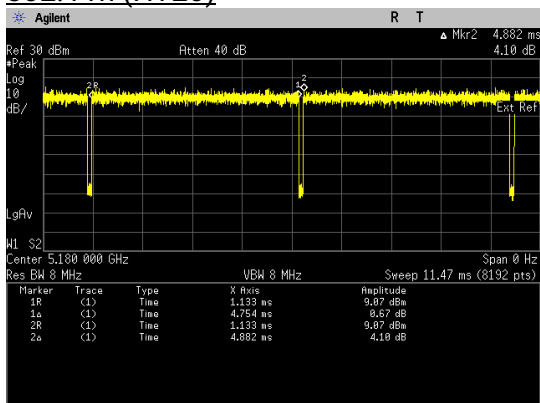


On time	3.080	ms
On + off time	3.223	ms
Duty Cycle	0.9556	
Duty Cycle Factor	0.197	

*Duty cycle = On time/ On +off time

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

802.11n (HT20)



On time	4.754	ms
On + off time	4.882	ms
Duty Cycle	0.9738	
Duty Cycle Factor	0.115	

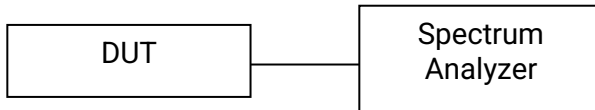
*Duty cycle = On time/ On +off time

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

7.0. Transmitter Test Parameters

7.1. Bandwidth measurements

7.1.1. Test Setup



- a) Test Setup as per illustrated above.
- b) Set DUT to transmit at desire transmit frequency.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer for 26dB EBW:
 - RBW = approximate 1% of emission bandwidth
 - VBW > RBW
 - Detector = Peak
 - Trace =Max hold
 - Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
 - Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
- e) Setting of Spectrum analyzer for 99% Occupied bandwidth:
 - Span = 1.5 times to 5.0 times the OBW
 - RBW = 1% to 5 % of the OBW
 - VBW $\geq 3 \cdot$ RBW
 - Detector = Peak
 - Trace = Max Hold
 - Use the 99% power bandwidth function of the instrument
- f) The measurement method follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 under clause C.1) & D).

7.1.2. Test Limits

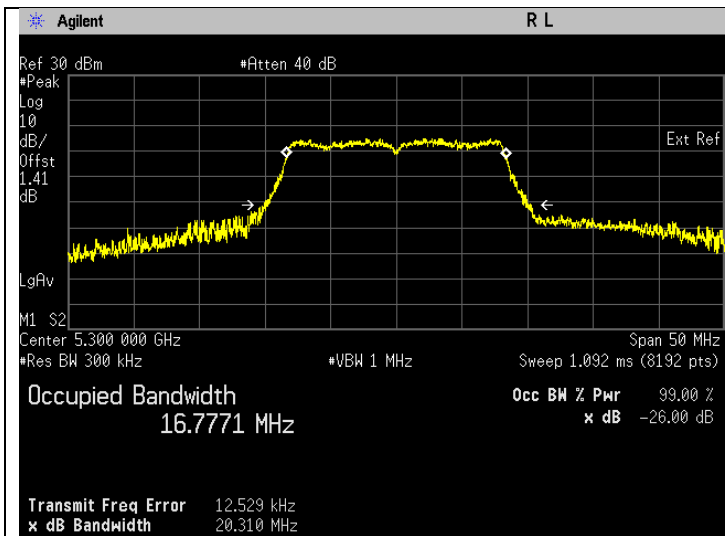
Not applicable.

7.1.3. Test Data

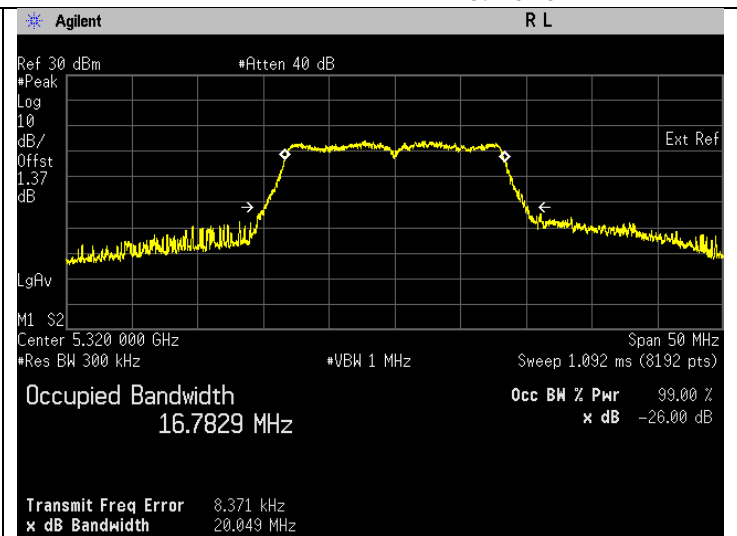
802.11a

Frequency (MHz)	Test Configuration	Results			
		26 dB Bandwidth (MHz)	Status	99% Bandwidth (MHz)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.204	Pass	16.810	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.017	Pass	16.795	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	19.769	Pass	16.800	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	19.908	Pass	16.797	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.310	Pass	16.777	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.049	Pass	16.783	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.567	Pass	16.812	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	19.912	Pass	16.759	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	19.740	Pass	16.773	Pass
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6, UNII-2C	14.956	Pass	13.403	Pass
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6, UNII-3	4.956	Pass	3.403	Pass
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	19.947	Pass	16.761	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	19.853	Pass	16.760	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.103	Pass	16.768	Pass

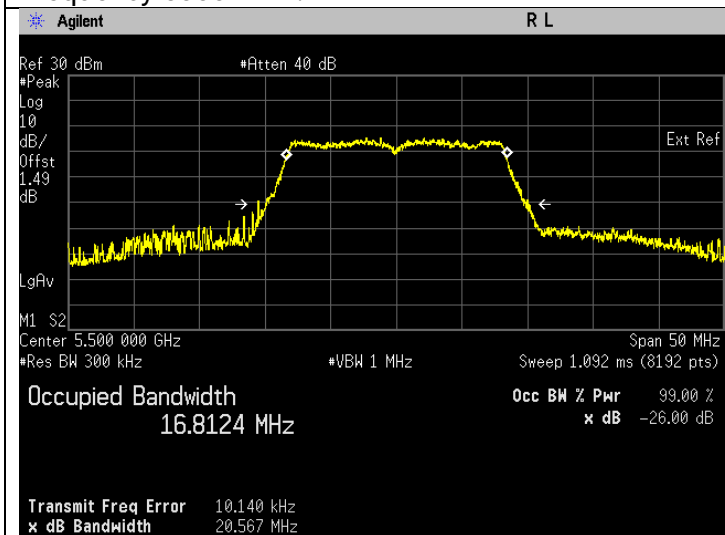
Frequency (MHz)	Occupied Bandwidth (MHz)	Transmit Freq Error (kHz)	x dB Bandwidth (MHz)
5180	16.8104	10.064	20.204
5220	16.7945	3.647	20.017
5240	16.8003	11.894	19.769
5260	16.7972	13.978	19.908



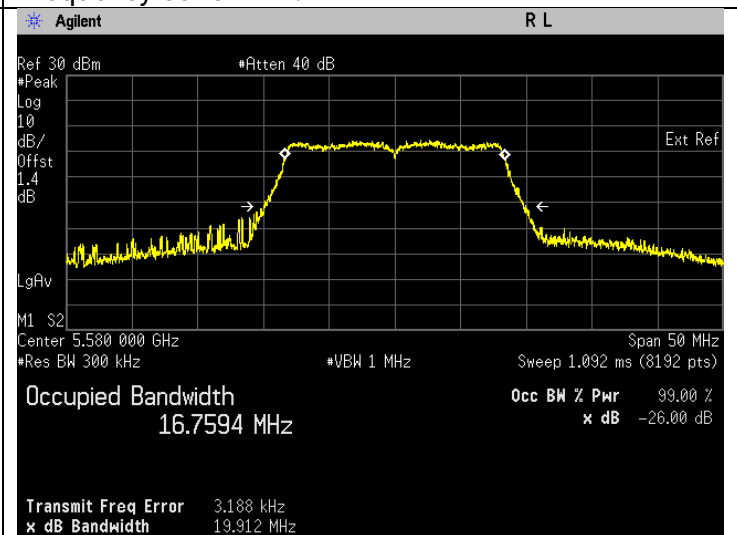
Frequency 5300 MHz.



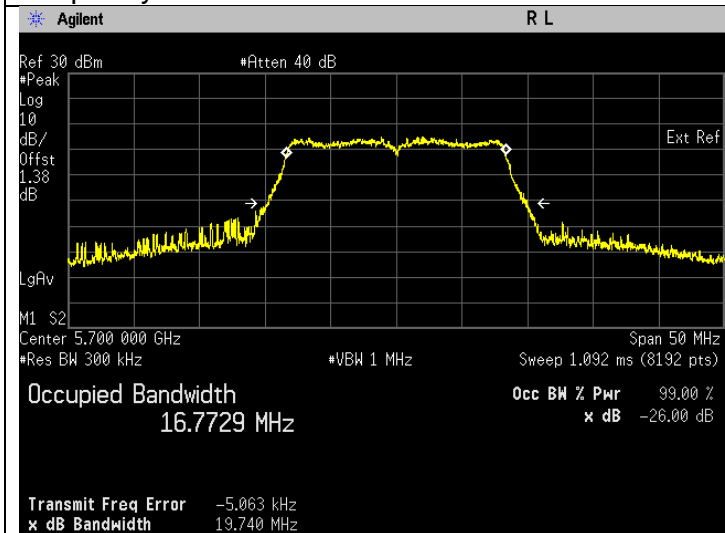
Frequency 5320 MHz.



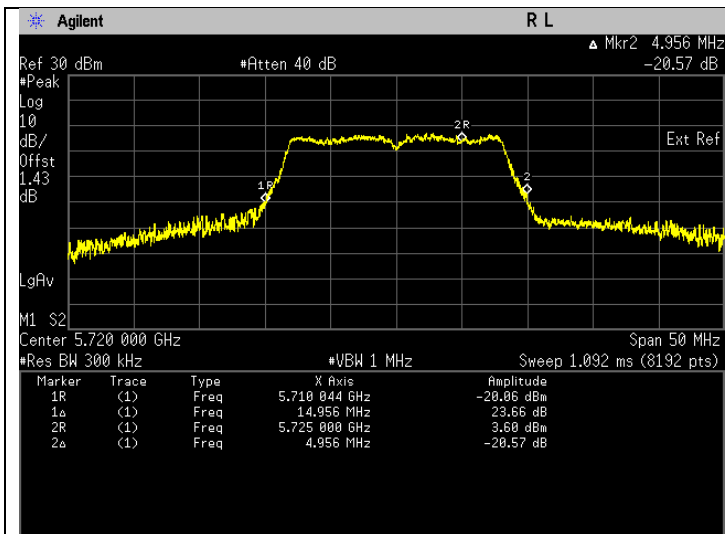
Frequency 5500 MHz.



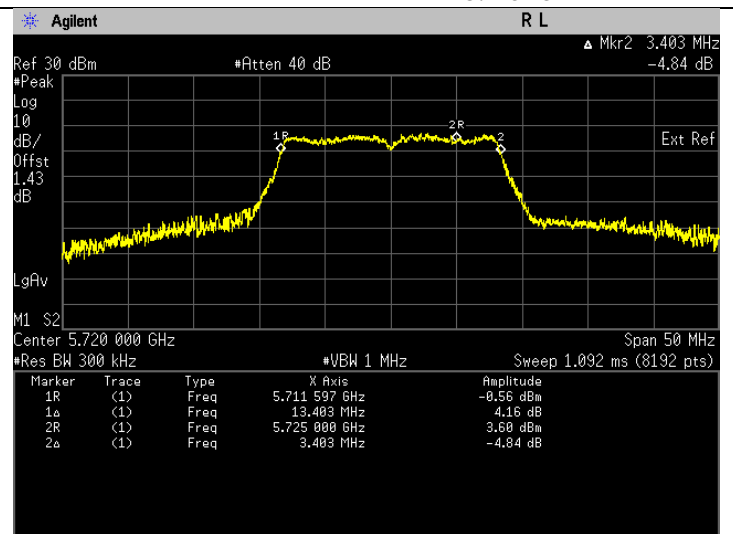
Frequency 5580 MHz.



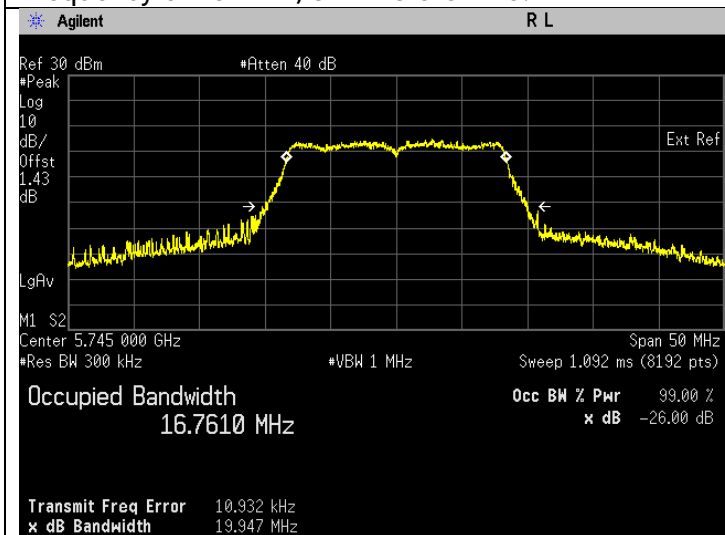
Frequency 5700 MHz.



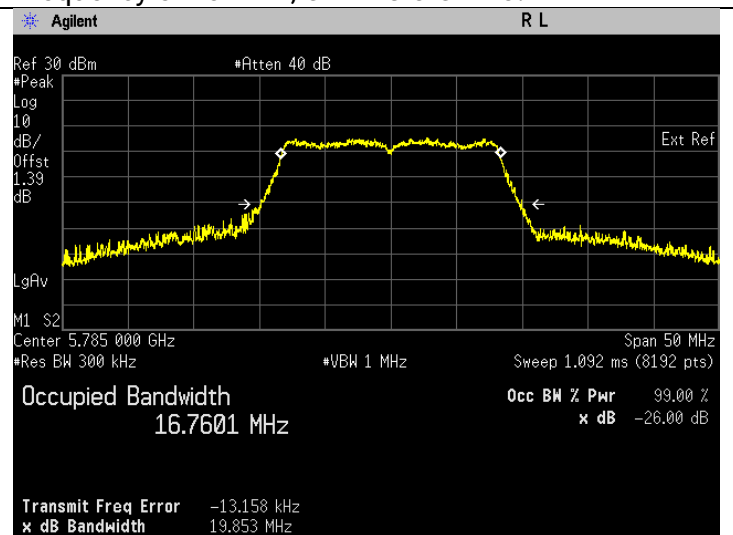
Frequency 5720 MHz, UNII-2C & UNII-3.



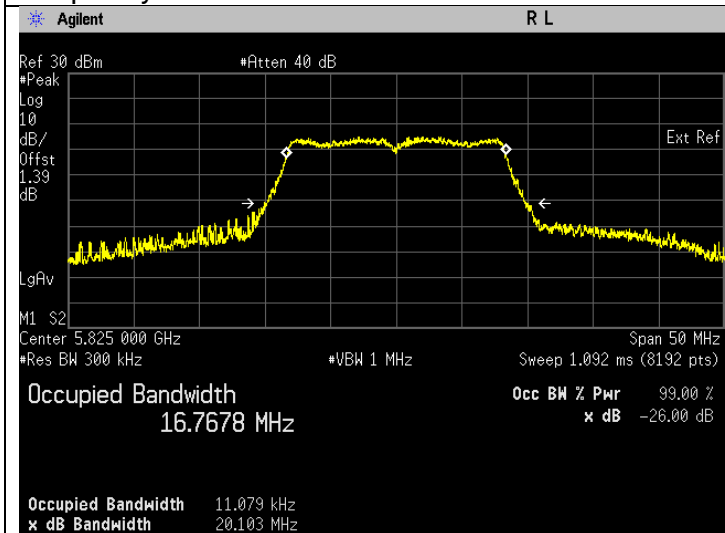
Frequency 5720 MHz, UNII-2C & UNII-3.



Frequency 5745 MHz.



Frequency 5785 MHz.

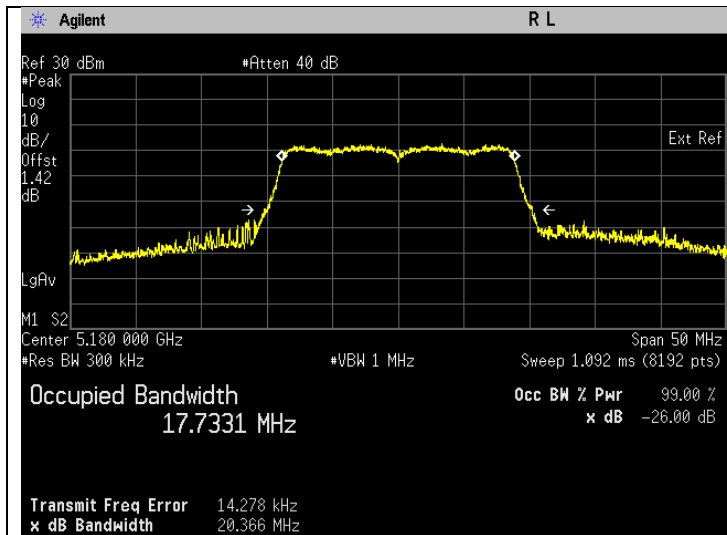


Frequency 5825 MHz.

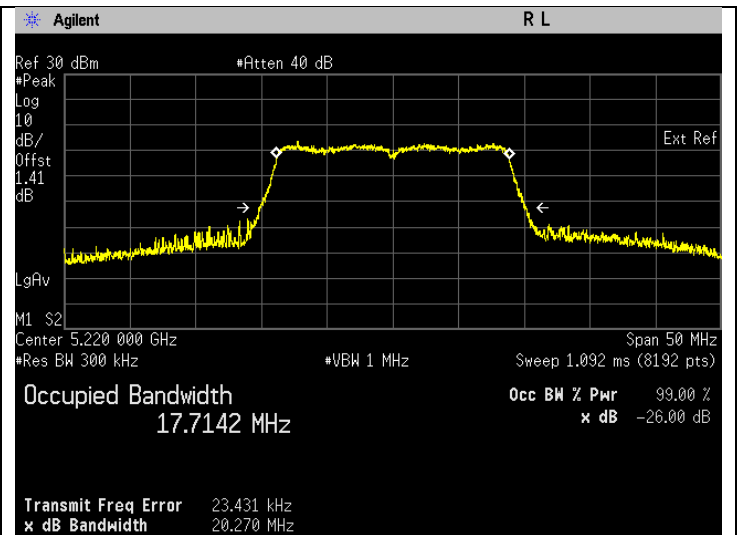
802.11n (HT20)

Frequency (MHz)	Test Configuration	Results			
		26 dB Bandwidth (MHz)	Status	99% Bandwidth (MHz)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.366	Pass	17.733	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.270	Pass	17.714	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.398	Pass	17.698	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.981	Pass	17.713	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.324	Pass	17.716	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.140	Pass	17.718	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.380	Pass	17.719	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.288	Pass	17.707	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.157	Pass	17.704	Pass
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5, UNII-2C	15.075	Pass	13.853	Pass
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5, UNII-3	5.075	Pass	3.853	Pass
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.331	Pass	17.705	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.456	Pass	17.731	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.302	Pass	17.697	Pass

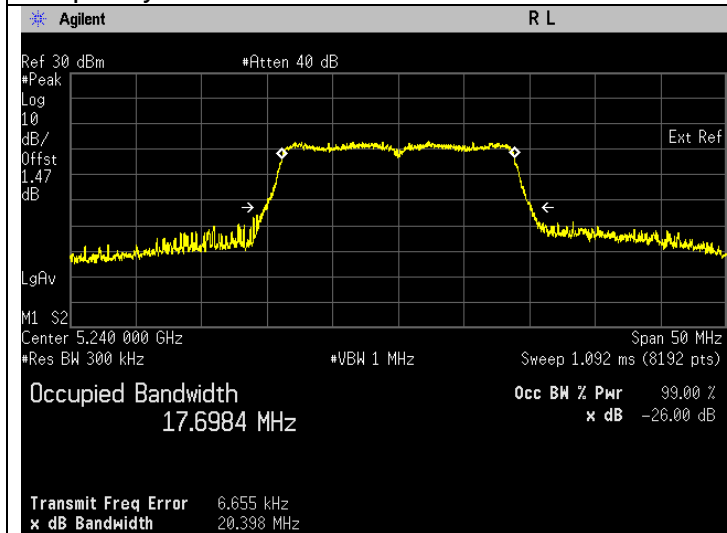
26 dB Bandwidth/ 99% Bandwidth



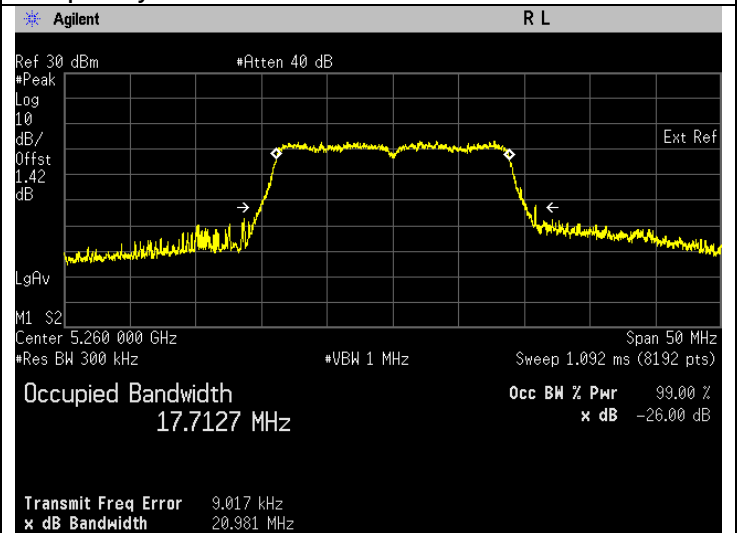
Frequency 5180 MHz.



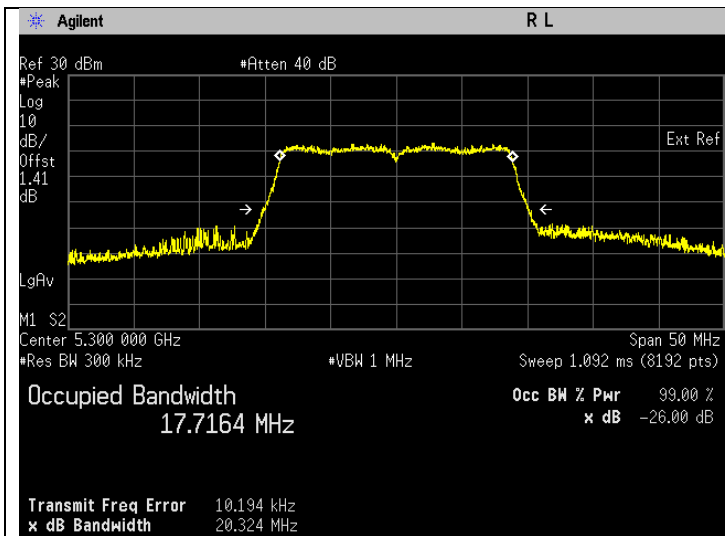
Frequency 5220 MHz.



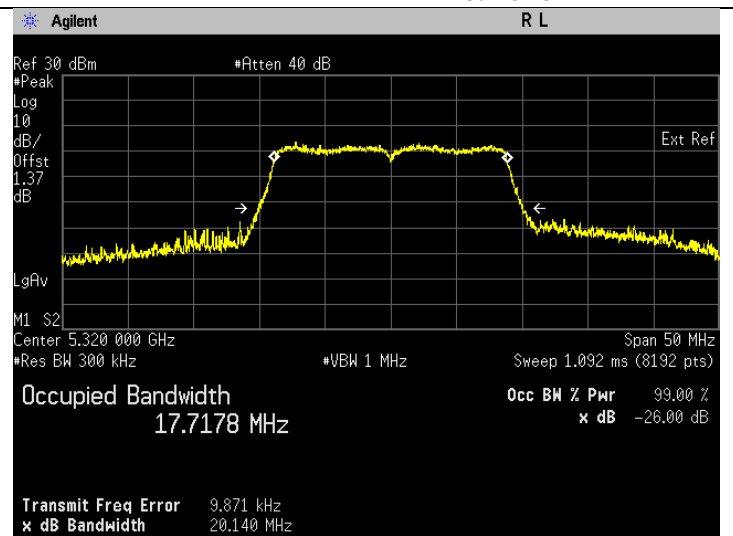
Frequency 5240 MHz.



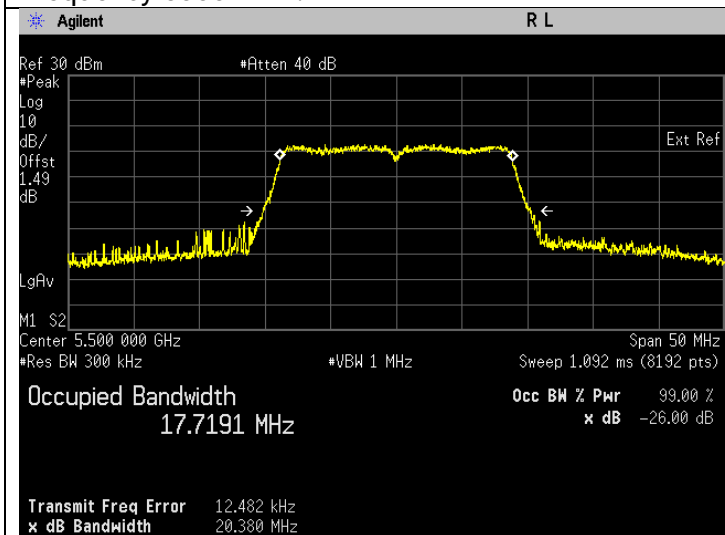
Frequency 5260 MHz.



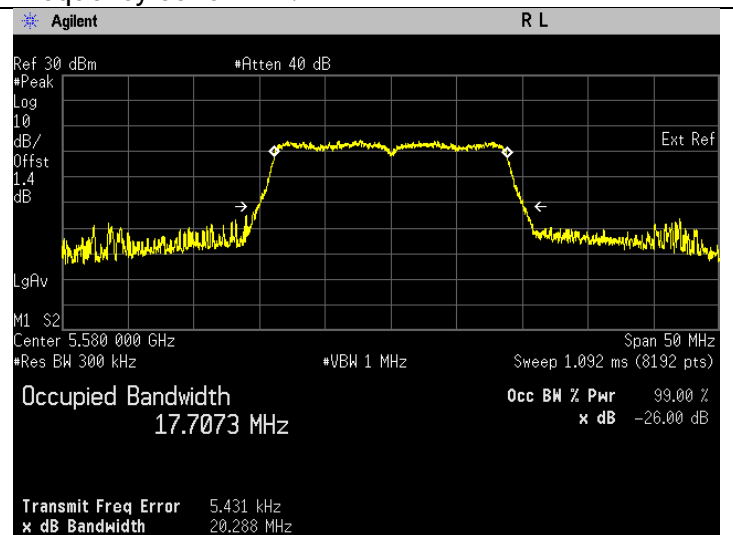
Frequency 5300 MHz.



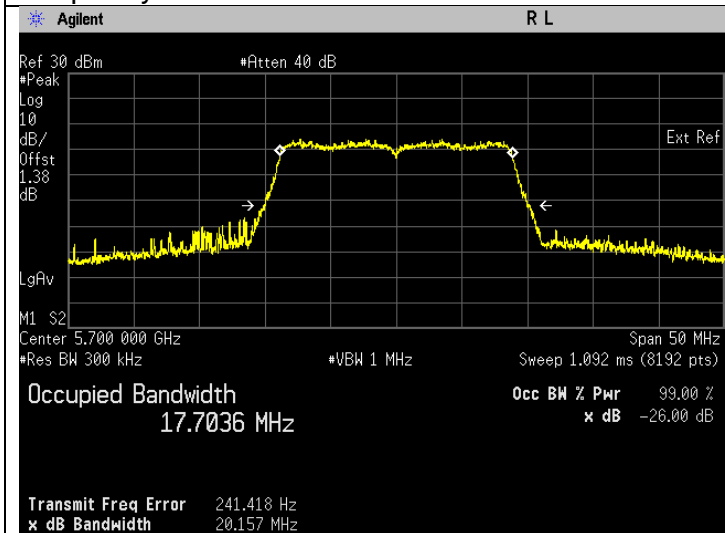
Frequency 5320 MHz.



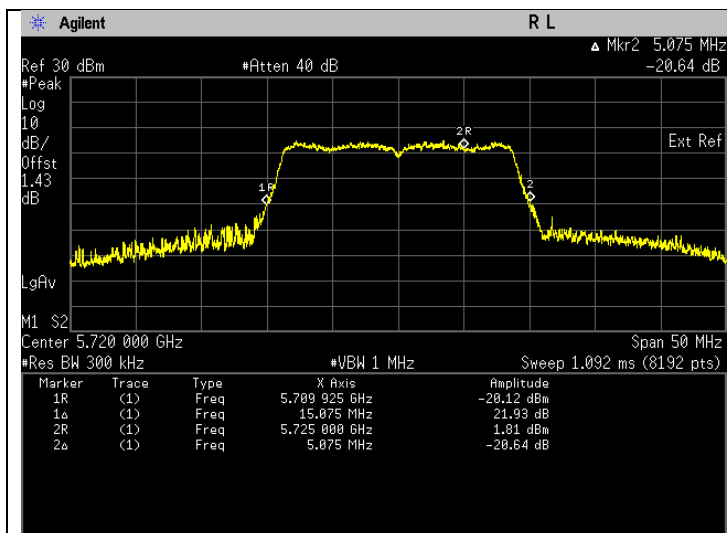
Frequency 5500 MHz.



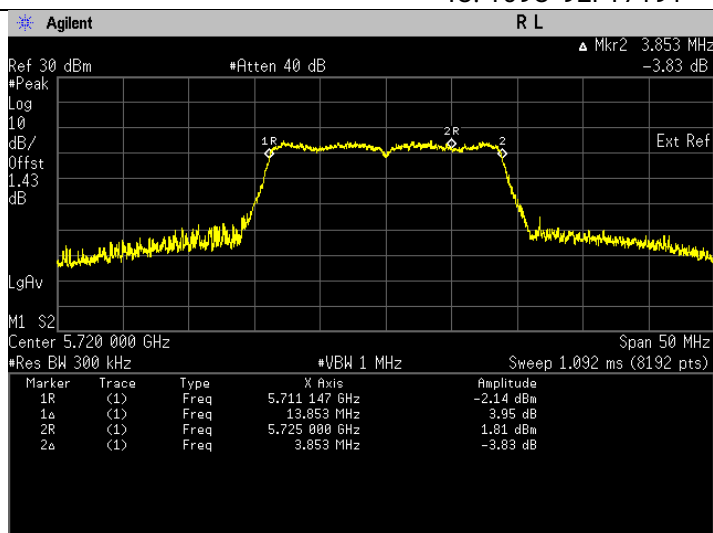
Frequency 5580 MHz.



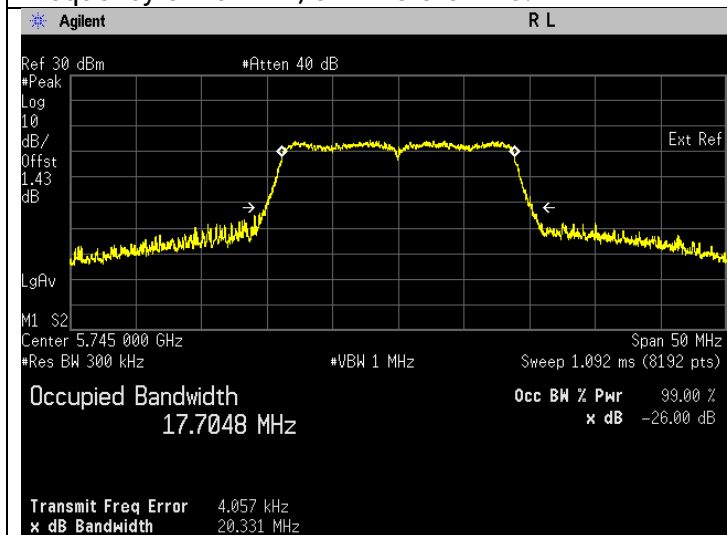
Frequency 5700 MHz.



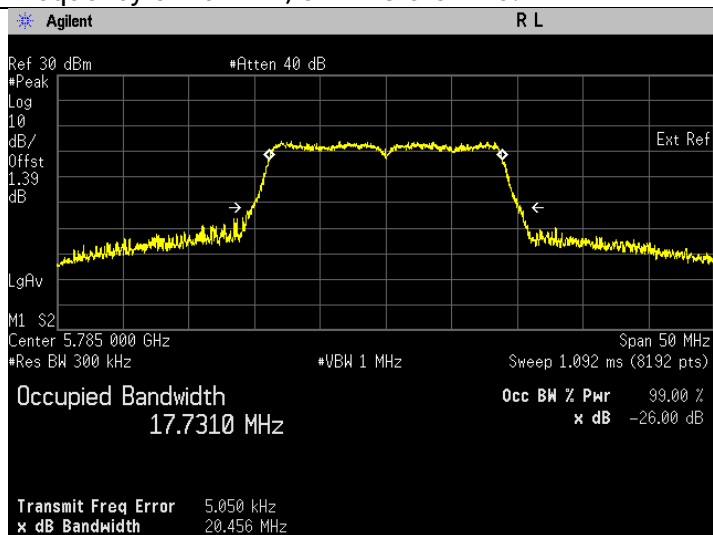
Frequency 5720 MHz, UNII-2C & UNII-3.



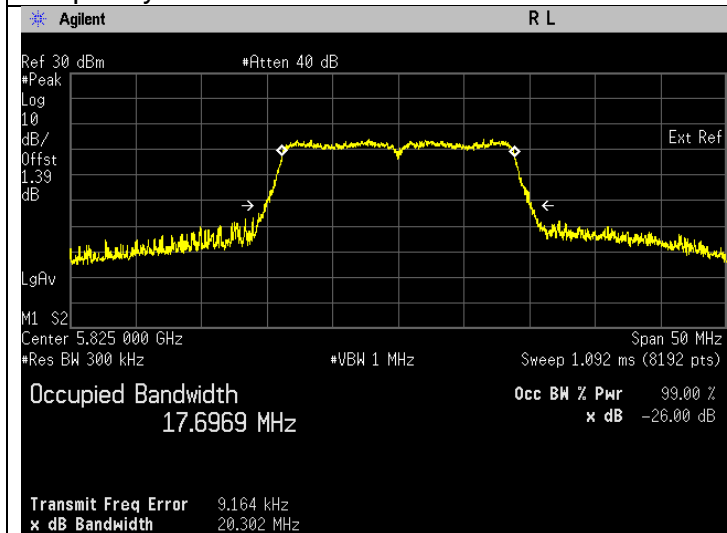
Frequency 5720 MHz, UNII-2C & UNII-3.



Frequency 5745 MHz.



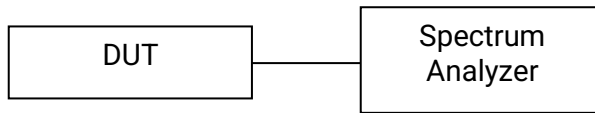
Frequency 5785 MHz.



Frequency 5825 MHz.

7.2. Maximum Conducted Output Power

7.2.1. Test Setup



- a) Test setup as per illustrated above.
- b) Set DUT to transmit at desire transmit frequency.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - Span to encompass the entire 26dB EBW or 99% Occupied Bandwidth.
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = power averaging (RMS)
 - Trace = Max hold
 - Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$
 - Sweep time = auto
 - Trace average at least 100 traces in power averaging (rms) mode
 - Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges.
 - Add $10 \log (1/x)$, where x is the duty cycle, to the measured power to compute the average power during the actual transmission times
- e) The measurement method follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 under clause E.2.d) Method SA-2.
- f) The Maximum output power results are included duty cycle correction factor.

7.2.2. Test Limits

FCC 15.407(a)

Range (GHz)	Condition	Output Power Limit
5.15-5.25 (UNII-1)	Outdoor AP	$\leq 1W$
	Indoor AP	$\leq 1W$
	Fixed Point to Point AP	$\leq 1W$
	√ Mobile and Portable client devices	$\leq 250mW$

5.25-5.35 (UNII-2A)	√	$\leq 250mW$ or $11dBm + 10\log_{10} B^*$
5.47-5.525 (UNII-2C)	√	*B is 26dB emission bandwidth in MHz

5.725-5.85 (UNII-3)	√	$\leq 1W$
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RSS-247 6.2

Range (GHz)	Condition	Output Power Limit
5.15-5.25	indoor only (e.i.r.p.)	$\leq 200mW$ or $10 + 10\log_{10} B^*$ *B is 99% emission bandwidth in 1MHz

5.25-5.35	(Conducted & e.i.r.p.)	Conducted: $\leq 250mW$ or $11 + 10\log_{10} B^*$ EIRP: $< 1.0W$ or $17 + 10\log_{10} B^*$ *B is 99% emission bandwidth in 1MHz
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5.47-5.6 5.65-5.725	(Conducted & e.i.r.p.)	Conducted: $\leq 250mW$ or $11 + 10\log_{10} B^*$ EIRP: $< 1.0W$ or $17 + 10\log_{10} B^*$ *B is 99% emission bandwidth in 1MHz
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5.725-5.85	(Conducted)	$\leq 1W$
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7.2.3. Additional Info

Antenna	Gain (dBi)
UNII-1	6
UNII-2A & 2C	3
UNII-3	6
Duty Cycle Correction Factor	
802.11a	0.197
802.11n20	0.115

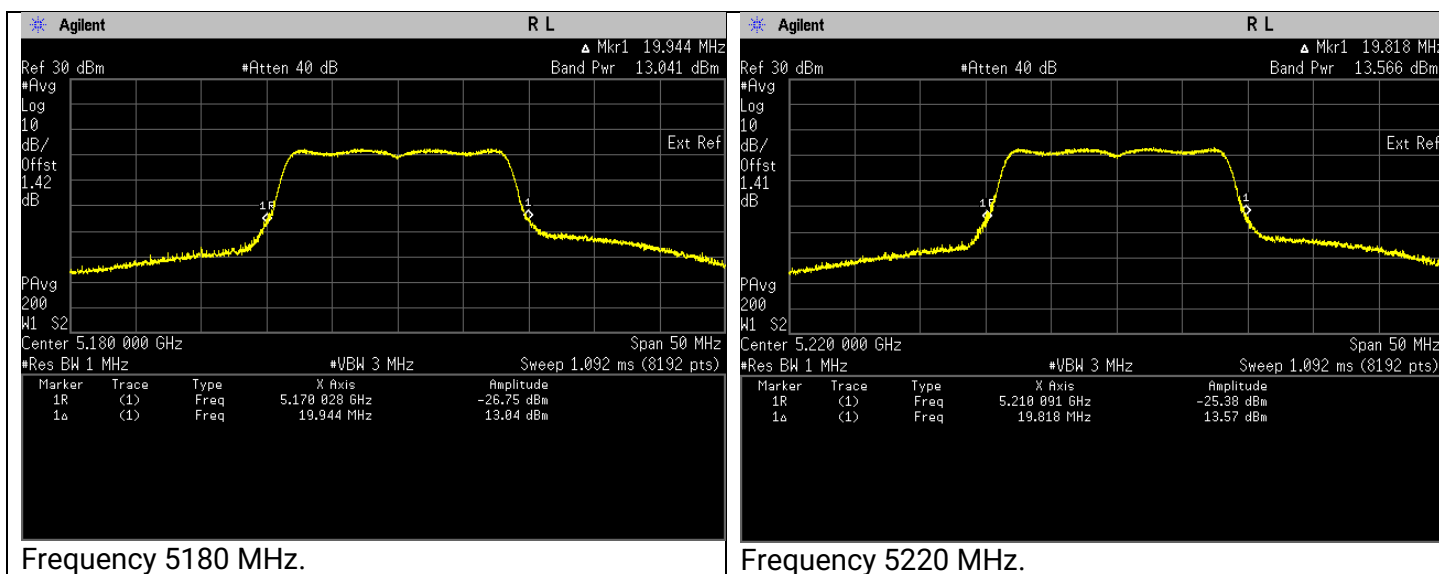
7.2.4. Test Data

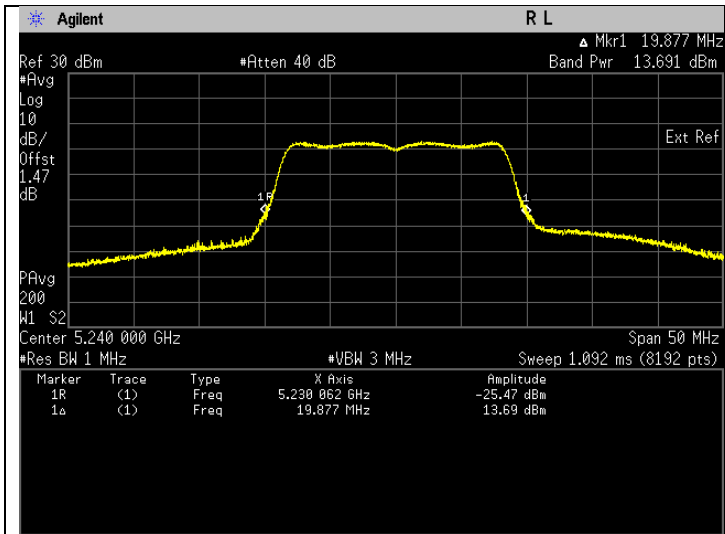
Summary table

WLAN	Frequency Range (MHz)	Bandwidth (MHz)	RF Power Output		EIRP		Max Emission Designator
			Max measured (mW)	Max declared (mW)	Max measured (mW)	Max declared (mW)	
802.11a	5180-5240	20	24.20	28.18	96.34	112.20	16M8D1D
	5260-5320	20	22.96	28.18	45.80	56.23	16M8D1D
	5500-5580	20	23.95	28.18	47.79	56.23	16M8D1D
	5660-5720	20	27.12	28.18	54.11	56.23	16M8D1D
	5745-5825	20	23.32	28.18	92.85	112.20	16M8D1D
802.11n/ac (HT20)	5180-5240	20	15.61	22.39	62.13	89.13	17M7D1D
	5260-5320	20	14.98	22.39	29.90	44.67	17M7D1D
	5500-5580	20	20.96	22.39	41.81	44.67	17M7D1D
	5660-5720	20	17.85	22.39	35.61	44.67	17M7D1D
	5745-5825	20	20.75	22.39	82.60	89.13	17M7D1D

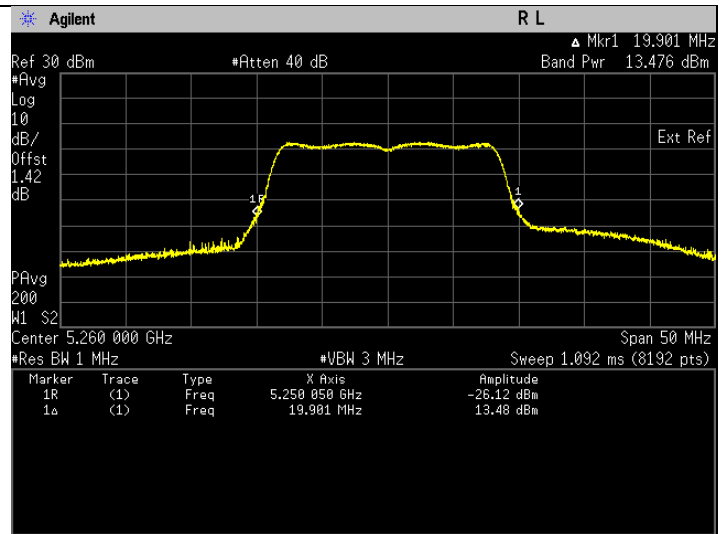
802.11a (26dB EBW)

Freq. (MHz)	Test Conditions	Results		
		Power (mW)	Power (dBm)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	21.077	13.238	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	23.785	13.763	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	24.479	13.888	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	23.297	13.673	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	23.265	13.667	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	17.709	12.482	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	24.384	13.871	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.100	13.032	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	21.948	13.414	Pass
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	20.366	13.089	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	24.044	13.810	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	23.131	13.642	Pass

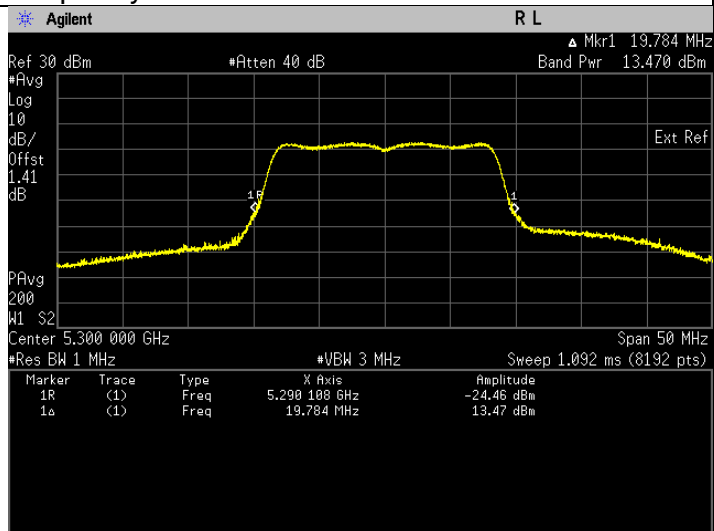




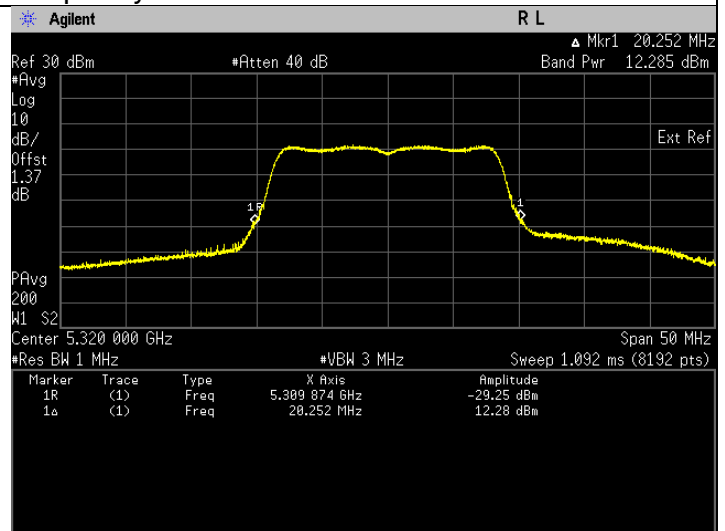
Frequency 5240 MHz.



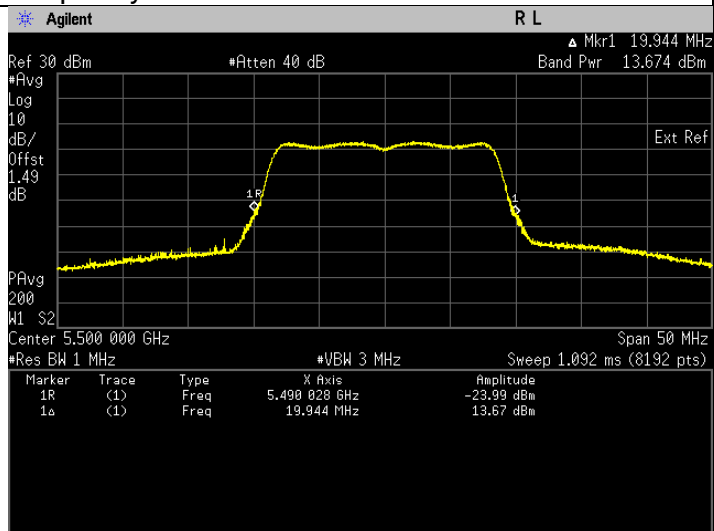
Frequency 5260 MHz.



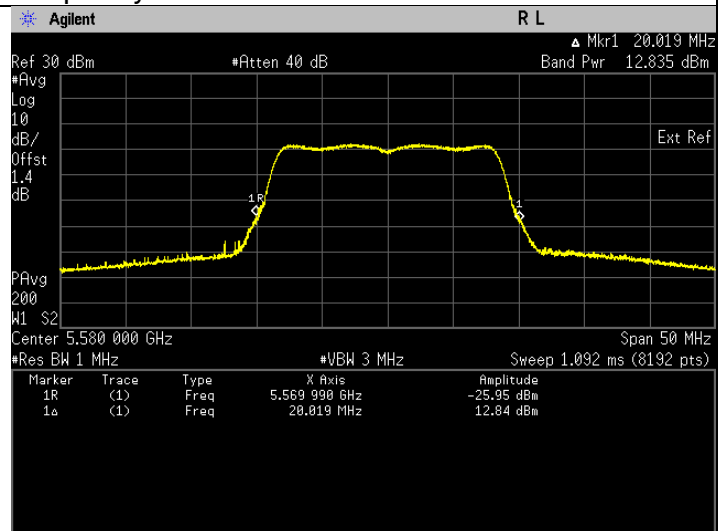
Frequency 5300 MHz.



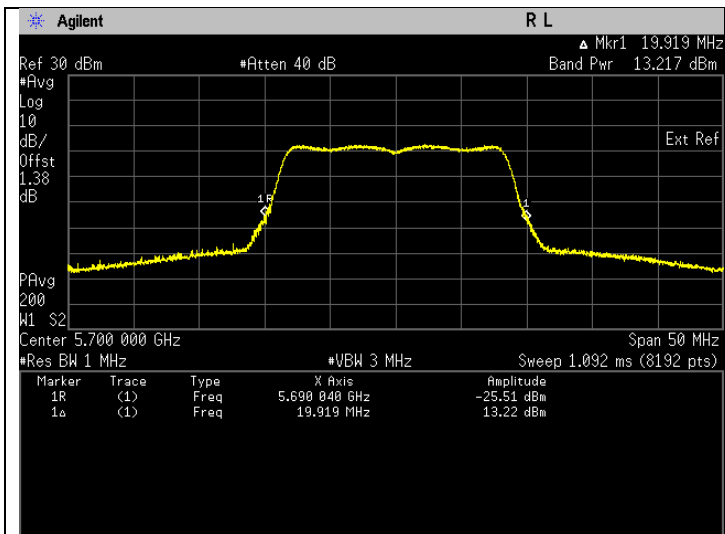
Frequency 5320 MHz.



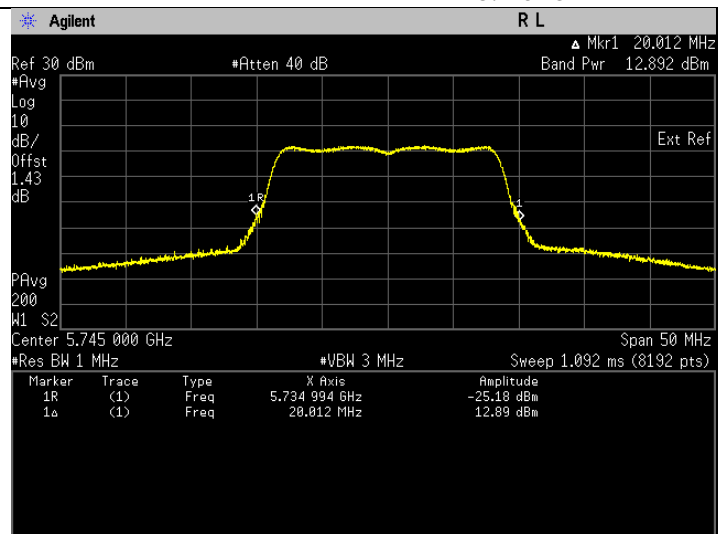
Frequency 5500 MHz.



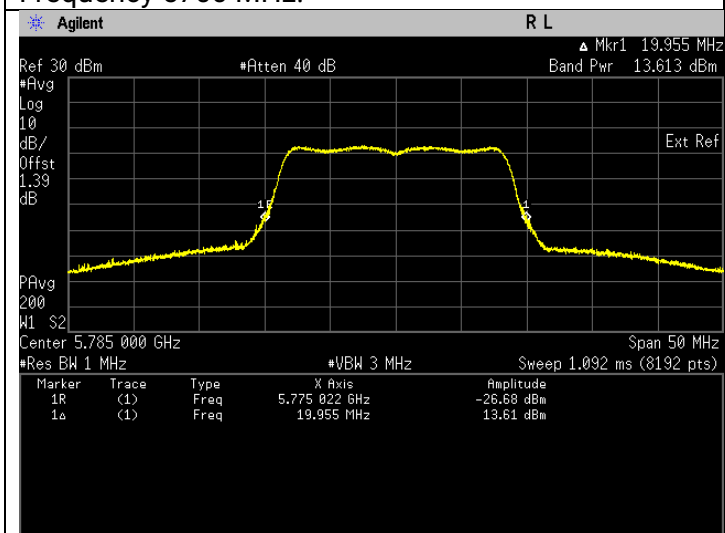
Frequency 5580 MHz.



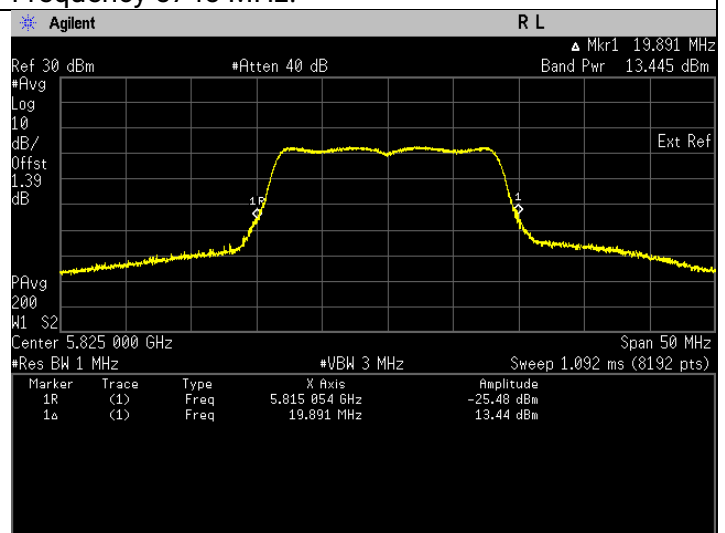
Frequency 5700 MHz.



Frequency 5745 MHz.



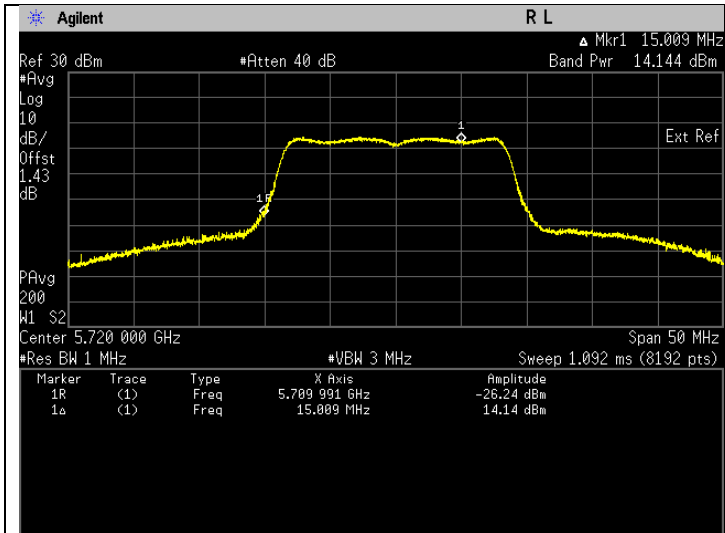
Frequency 5785 MHz.



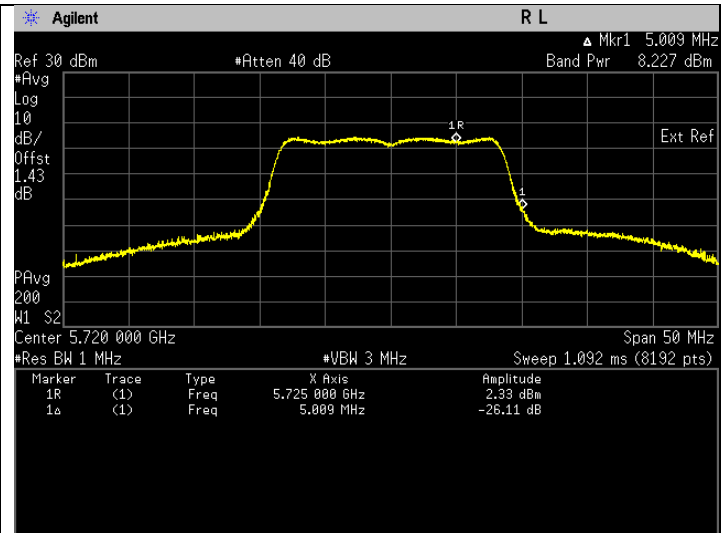
Frequency 5825 MHz.

Straddle Frequency

Freq. (MHz)	Test Conditions	Results		
		U-NII- 2C		
		Power (mW)	Power (dBm)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	27.171	14.341	Pass
		U-NII-3		
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.957	8.424	Pass



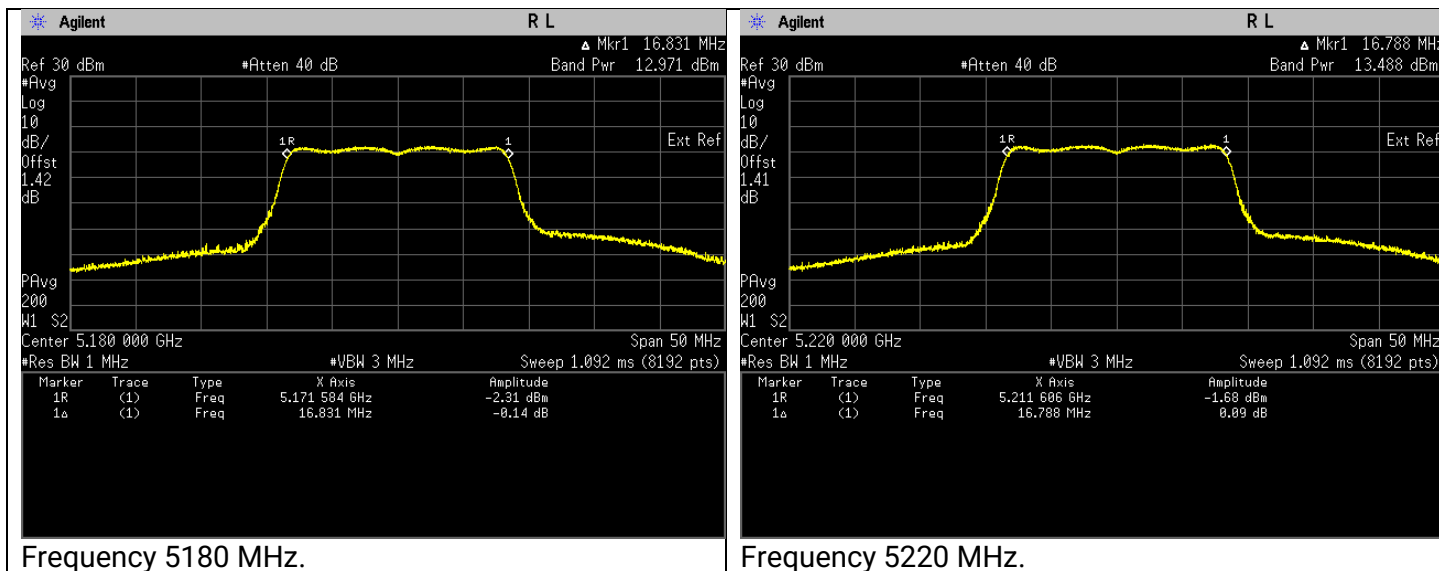
Frequency 5720 MHz, U-NII-2C. *Note: The band power is captured before the 5725 MHz.

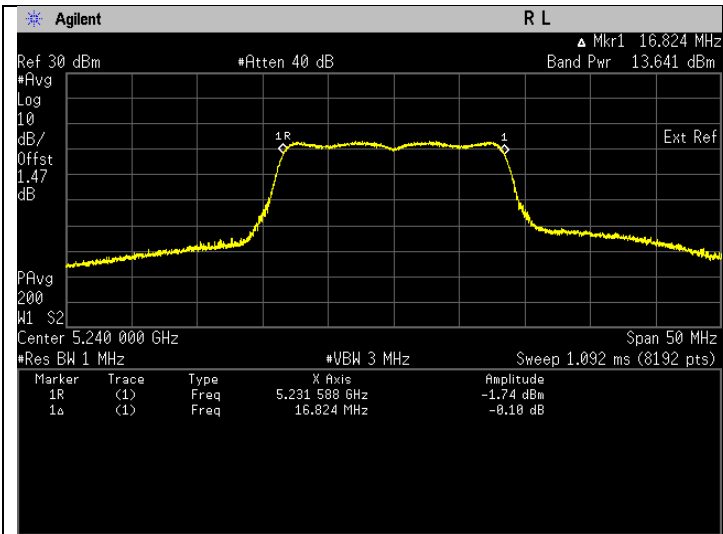


Frequency 5720 MHz, U-NII-3. *Note: The band power is captured after the 5725 MHz.

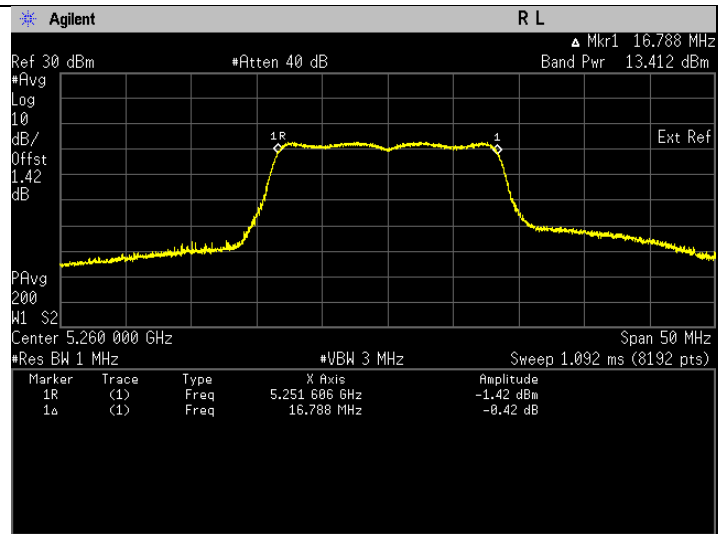
802.11a (99% EBW)

Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results				
			Power (mW)	Power (dBm)	Status	EIRP (dBm)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	20.740	13.168	Pass	19.168	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	23.361	13.685	Pass	19.685	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	24.199	13.838	Pass	19.838	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	22.956	13.609	Pass	16.609	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	22.511	13.524	Pass	16.524	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	17.652	12.468	Pass	15.468	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	23.950	13.793	Pass	16.793	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	19.870	12.982	Pass	15.982	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	21.523	13.329	Pass	16.329	Pass
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	19.756	12.957	Pass	18.957	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	23.324	13.678	Pass	19.678	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	22.877	13.594	Pass	19.594	Pass

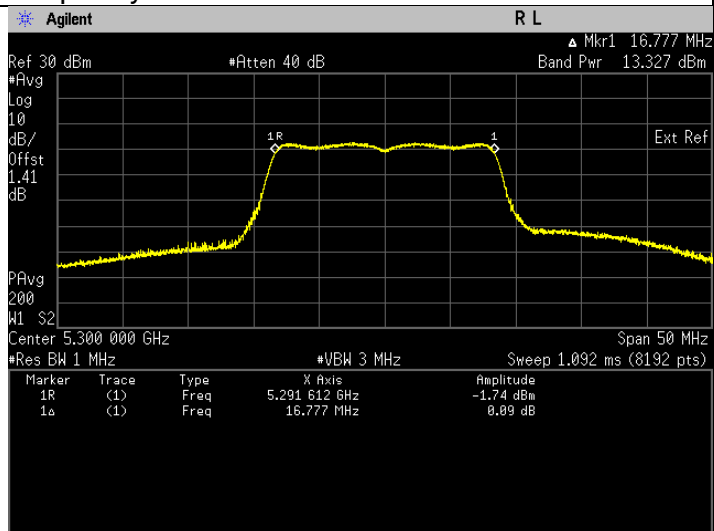




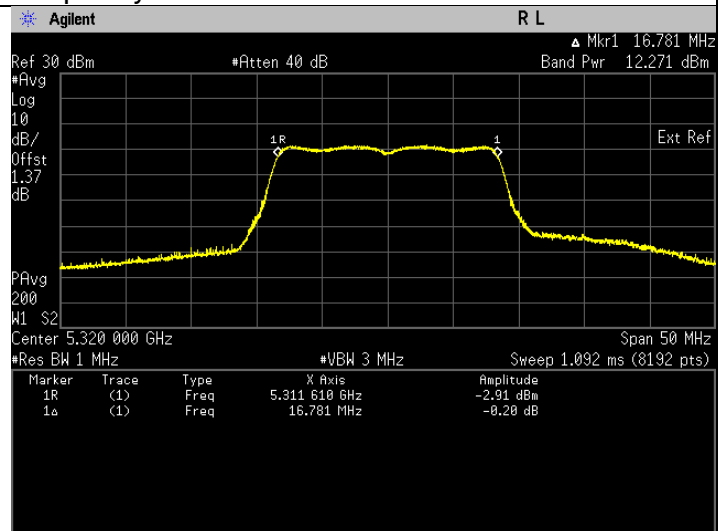
Frequency 5240 MHz.



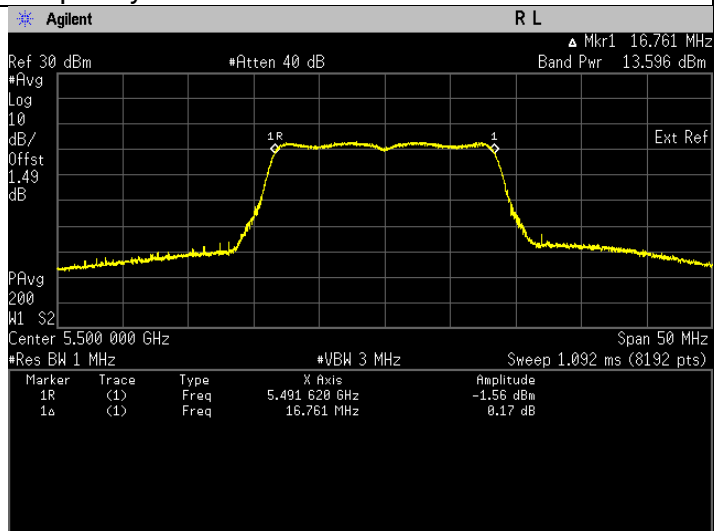
Frequency 5260 MHz.



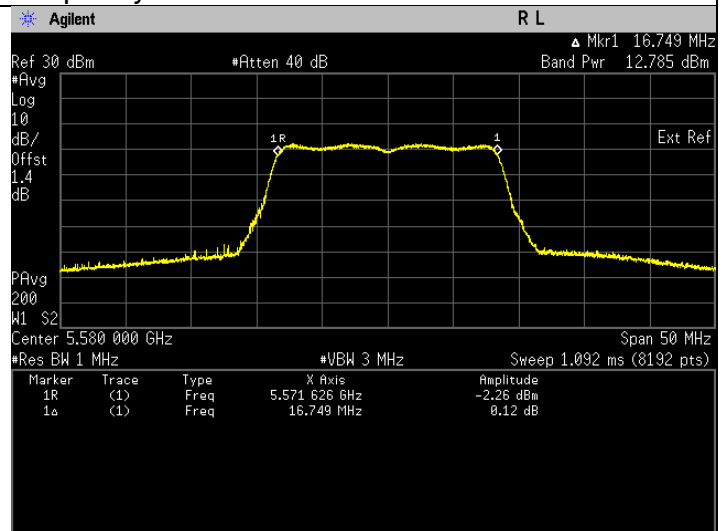
Frequency 5300 MHz.



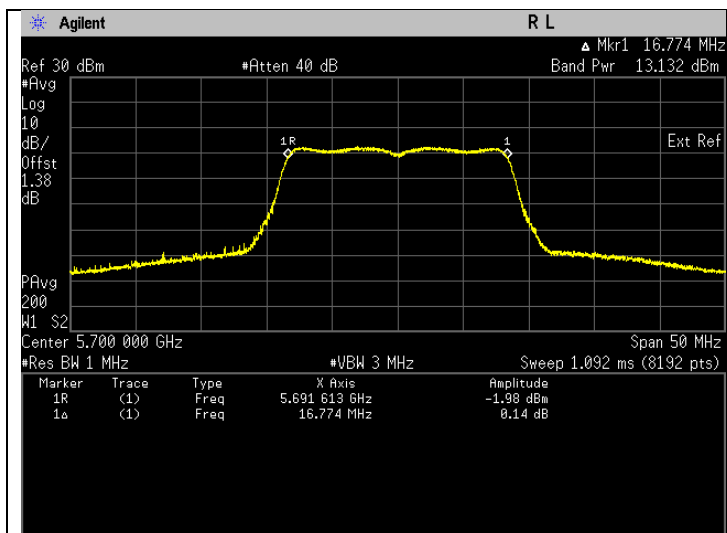
Frequency 5320 MHz.



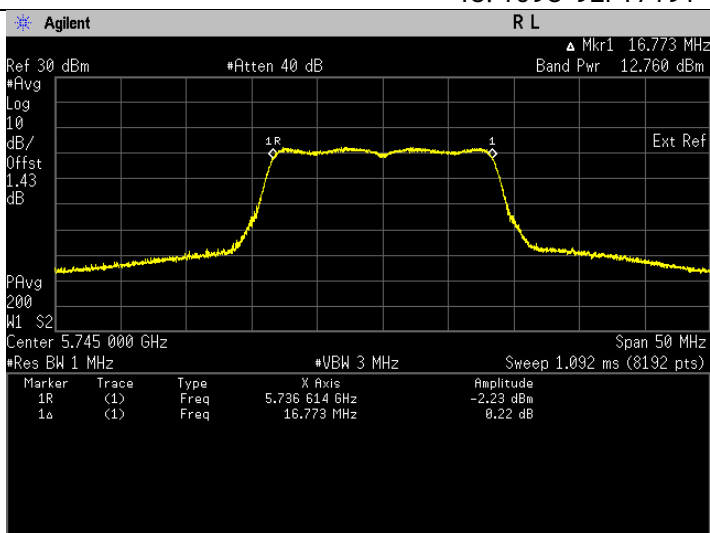
Frequency 5500 MHz.



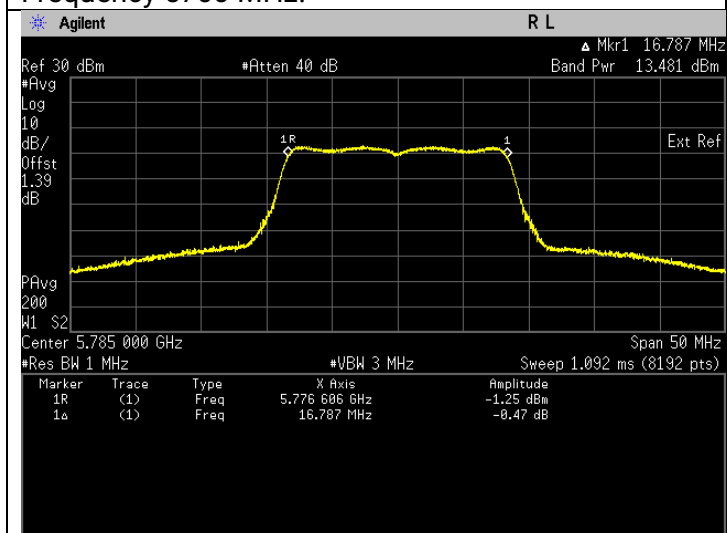
Frequency 5580 MHz.



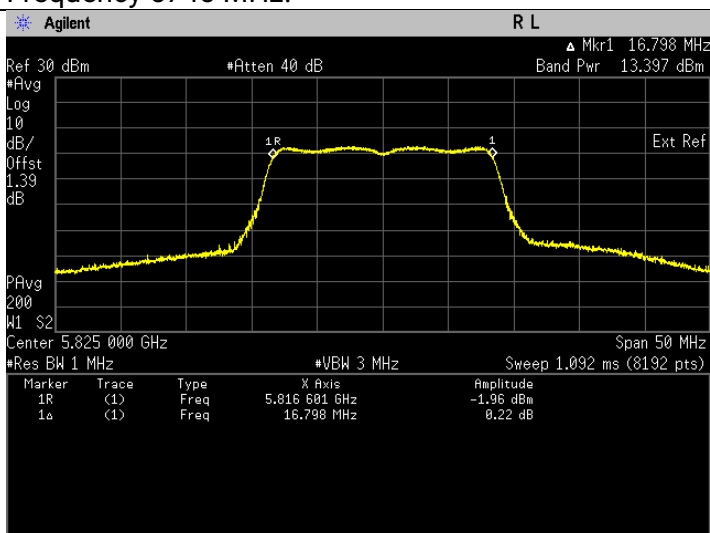
Frequency 5700 MHz.



Frequency 5745 MHz.



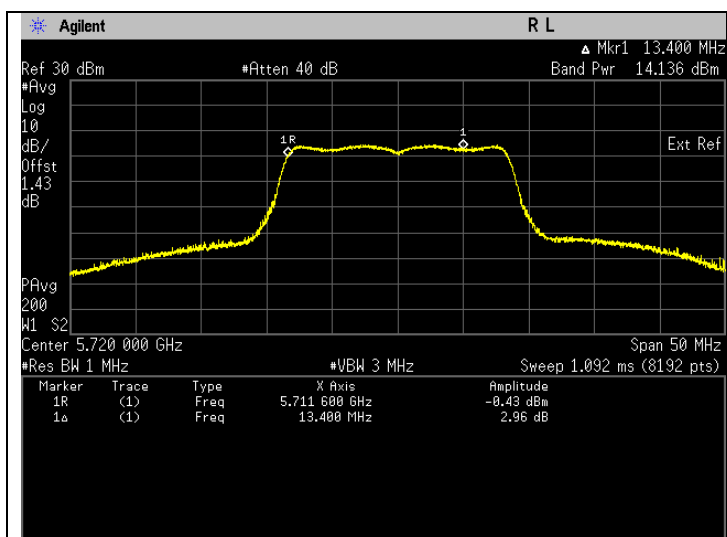
Frequency 5785 MHz.



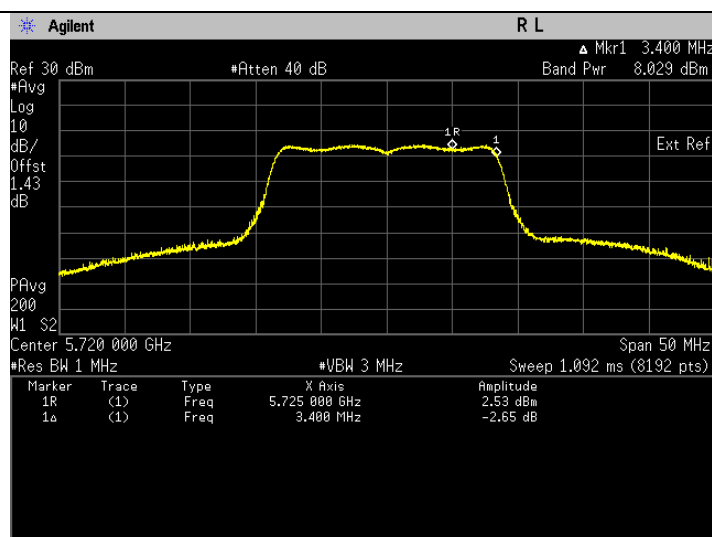
Frequency 5825 MHz.

Straddle Frequency

Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results				
			U-NII- 2C				
			Power (mW)	Power (dBm)	Status	EIRP (dBm)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	27.121	14.333	Pass	17.333	Pass
U-NII-3							
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	6.647	8.226	Pass	11.226	Pass



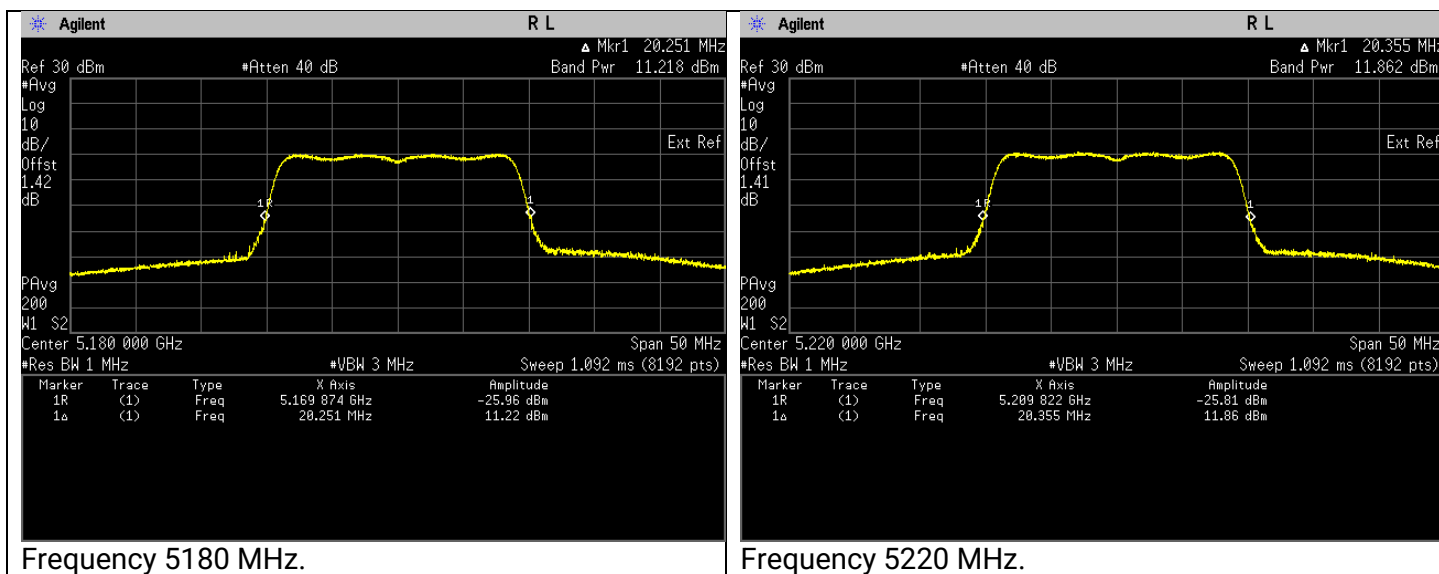
Frequency 5720 MHz, U-NII-2C. *Note: The band power is captured before the 5725 MHz.

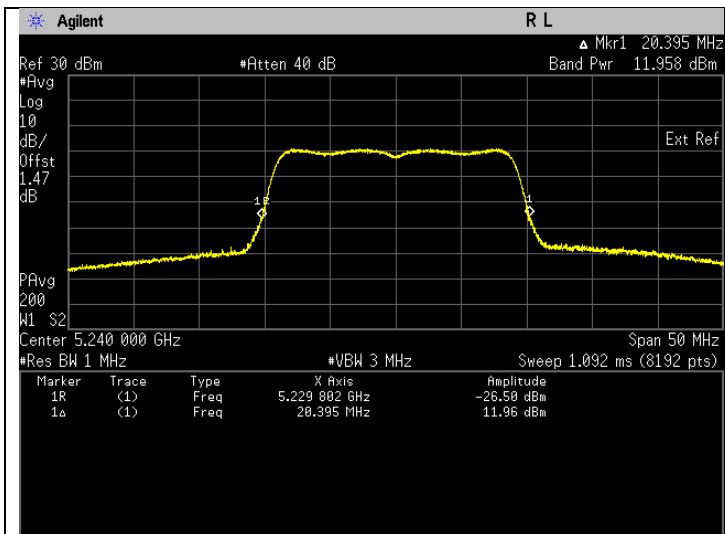


Frequency 5720 MHz, U-NII-3. *Note: The band power is captured after the 5725 MHz.

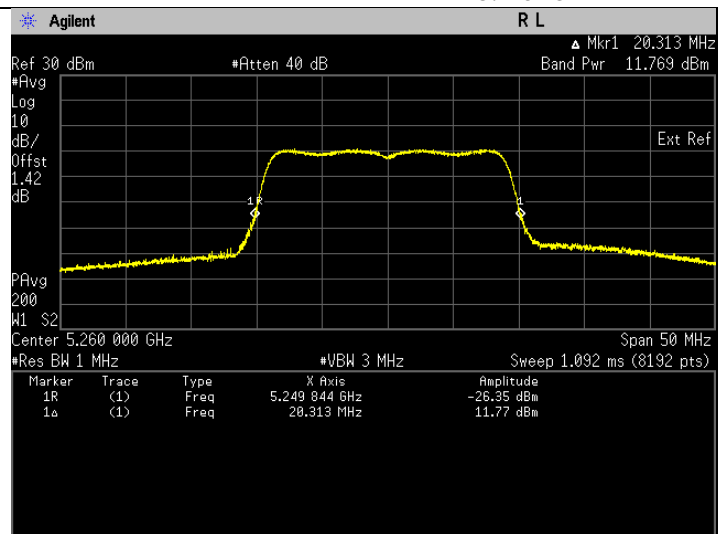
802.11n (HT20) (26dB EBW)

Freq. (MHz)	Test Conditions	Results		
		Power (mW)	Power (dBm)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	13.593	11.333	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	15.765	11.977	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	16.118	12.073	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	15.431	11.884	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	15.076	11.783	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	14.723	11.680	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	16.162	12.085	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	21.311	13.286	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	18.260	12.615	Pass
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	20.845	13.190	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	19.751	12.956	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	19.015	12.791	Pass

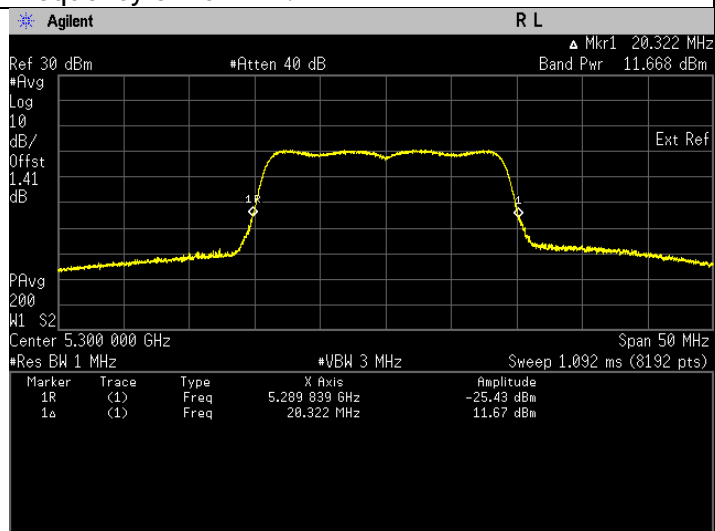




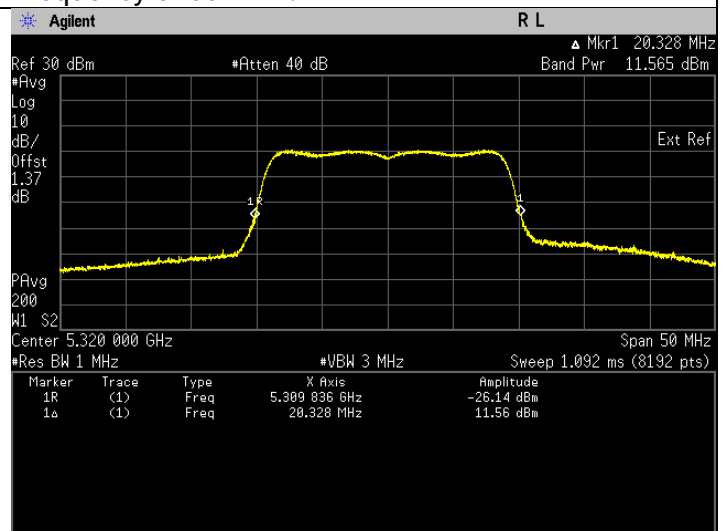
Frequency 5240 MHz.



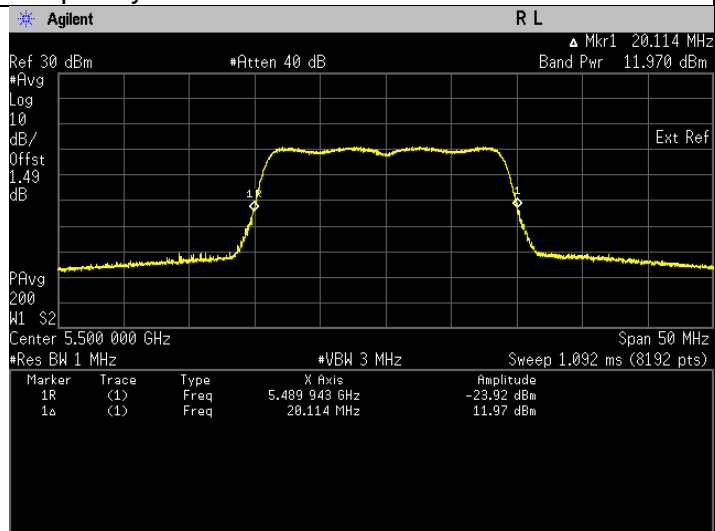
Frequency 5260 MHz.



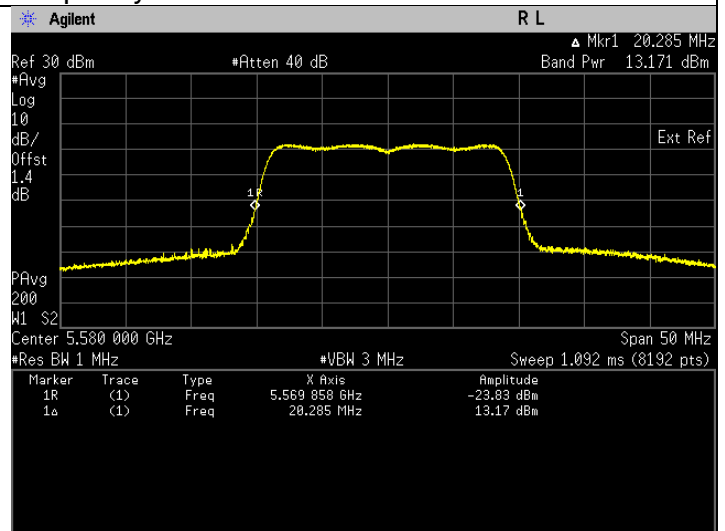
Frequency 5300 MHz.



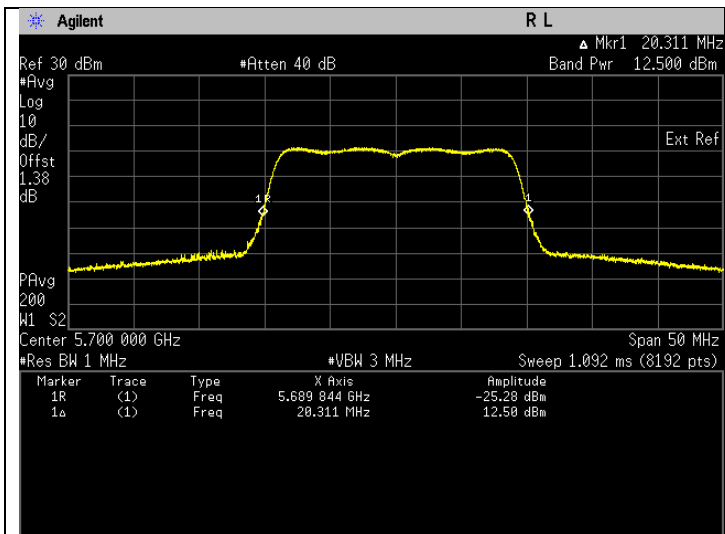
Frequency 5320 MHz.



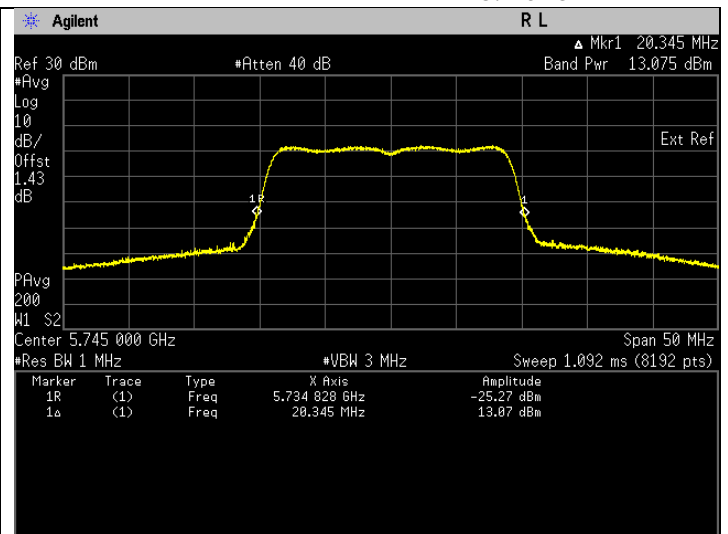
Frequency 5500 MHz.



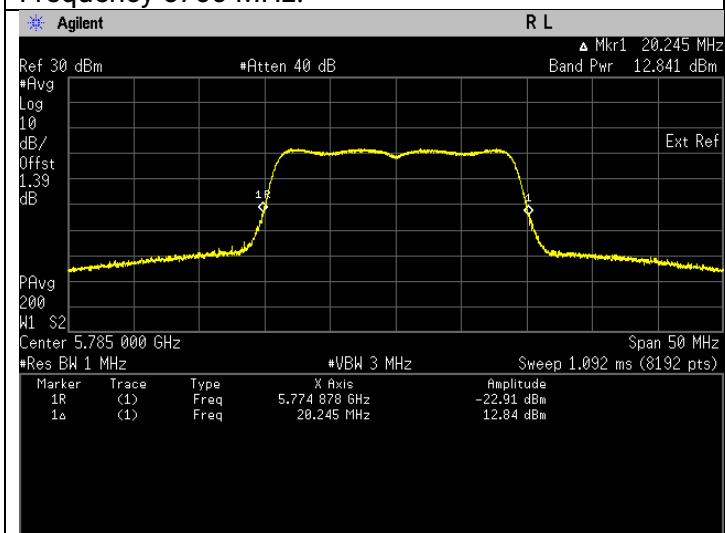
Frequency 5580 MHz.



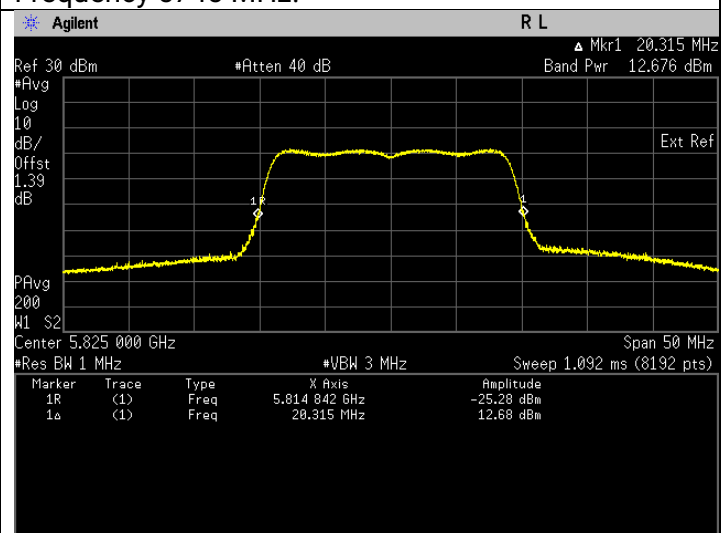
Frequency 5700 MHz.



Frequency 5745 MHz.



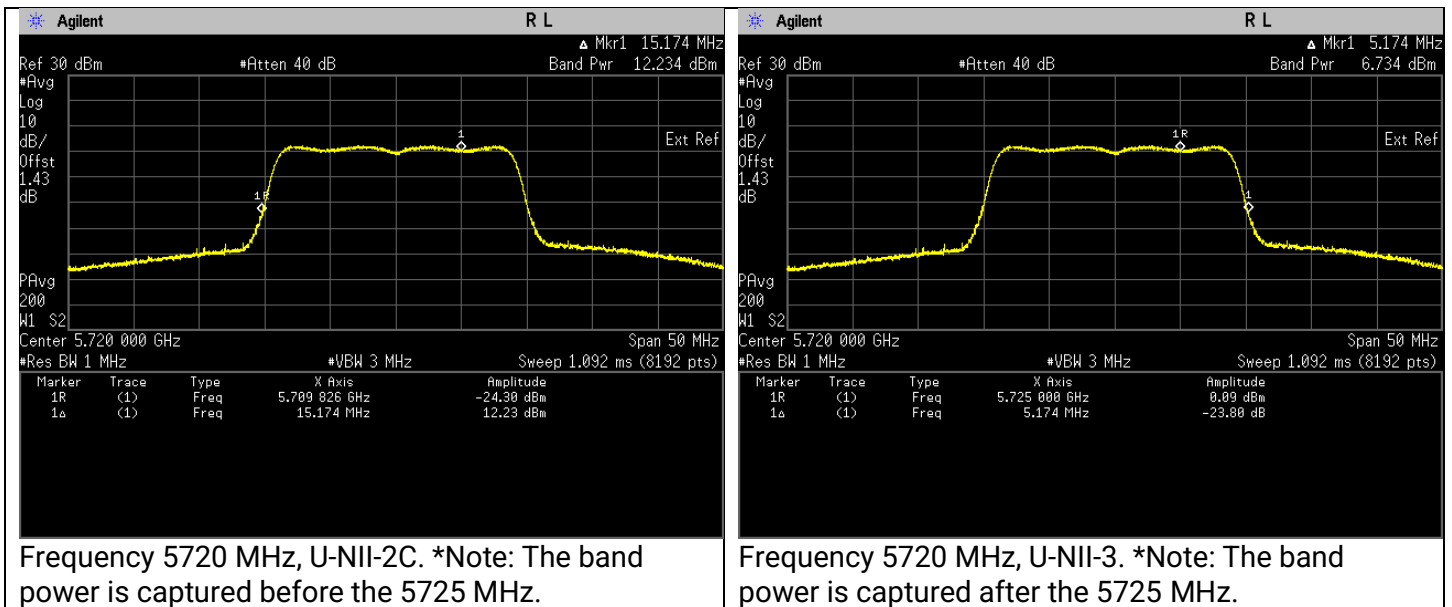
Frequency 5785 MHz.



Frequency 5825 MHz.

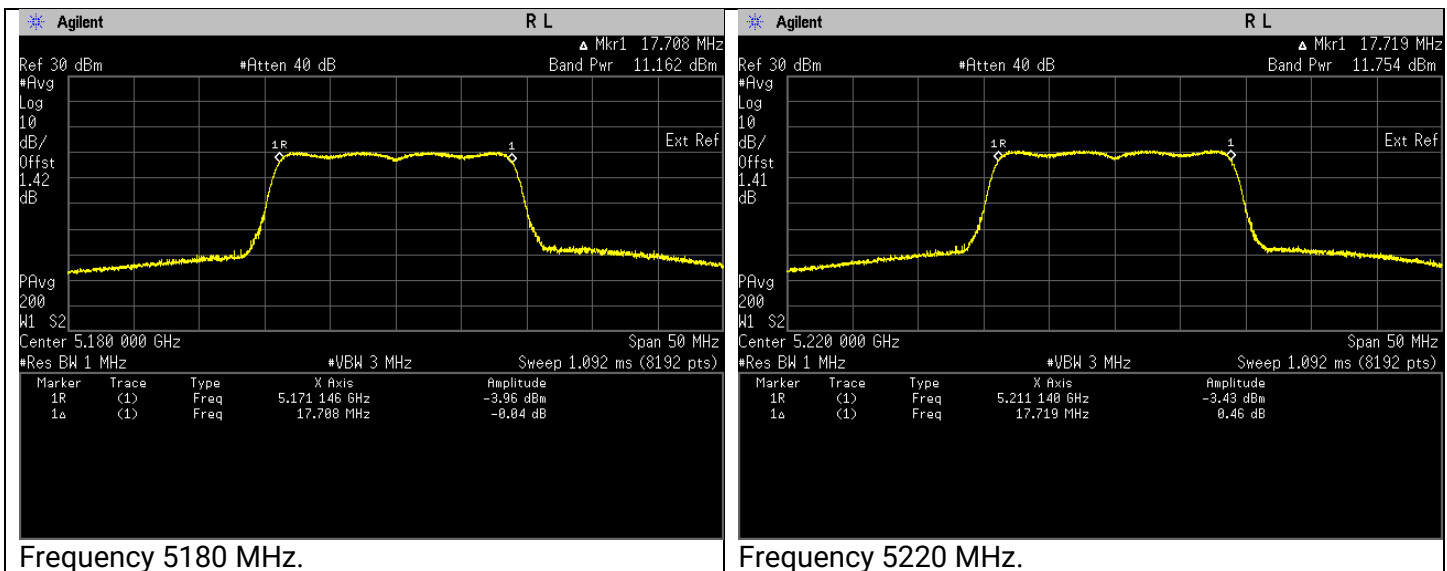
Straddle Frequency

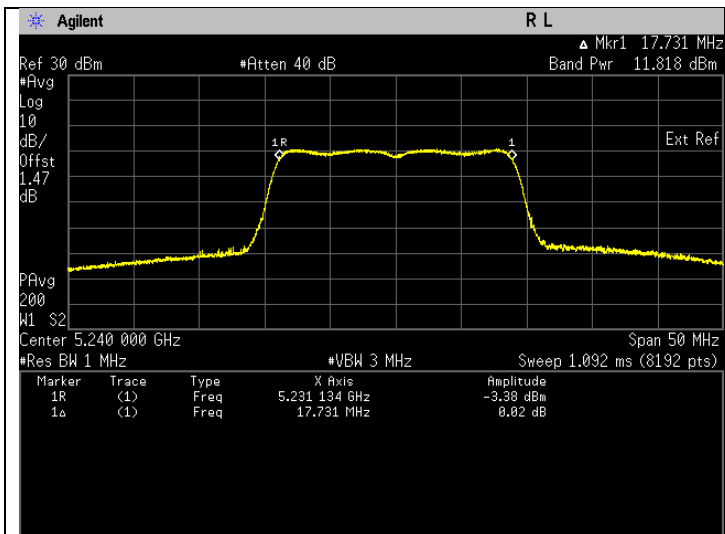
Freq. (MHz)	Test Conditions	Results		
		U-NII- 2C		
		Power (mW)	Power (dBm)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	17.175	12.349	Pass
		U-NII-3		
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	4.841	6.849	Pass



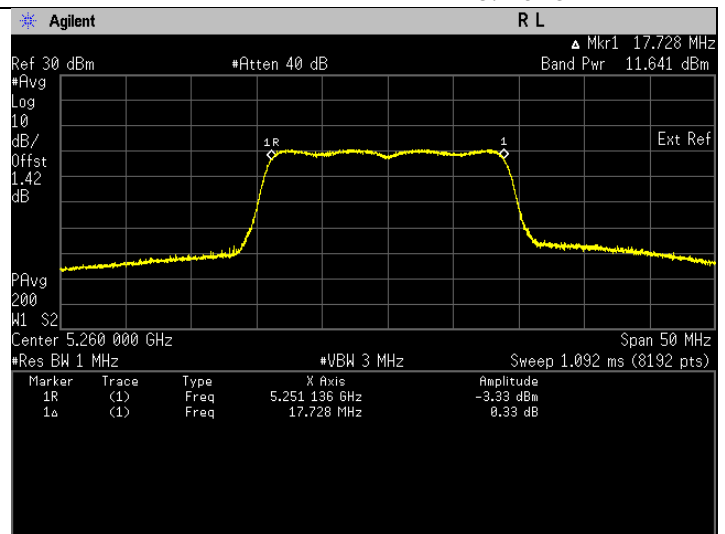
802.11n (HT20) (99% EBW)

Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results				
			Power (mW)	Power (dBm)	Status	EIRP (dBm)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	13.418	11.277	Pass	17.277	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	15.378	11.869	Pass	17.869	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	15.606	11.933	Pass	17.933	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	14.983	11.756	Pass	14.756	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	14.737	11.684	Pass	14.684	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	14.498	11.613	Pass	14.613	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	15.621	11.937	Pass	14.937	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	20.956	13.213	Pass	16.213	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	17.848	12.516	Pass	15.516	Pass
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	20.749	13.170	Pass	19.170	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	19.557	12.913	Pass	18.913	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	18.442	12.658	Pass	18.658	Pass

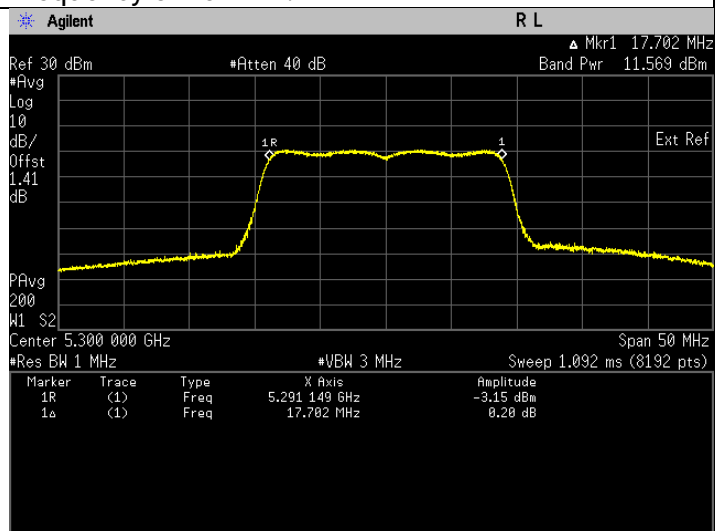




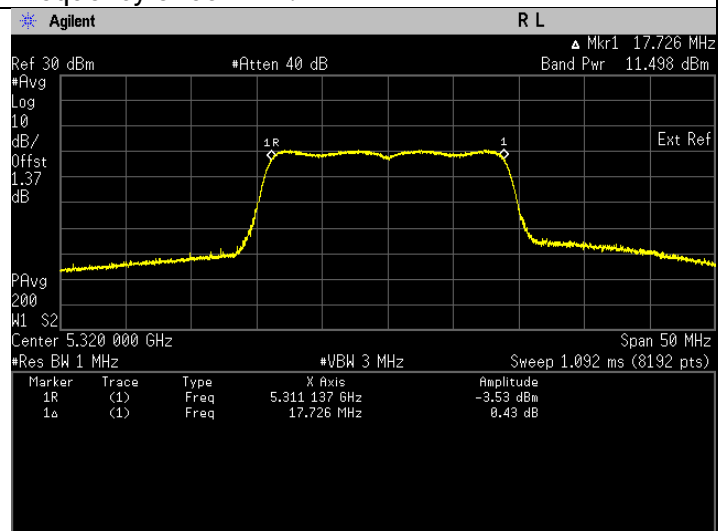
Frequency 5240 MHz.



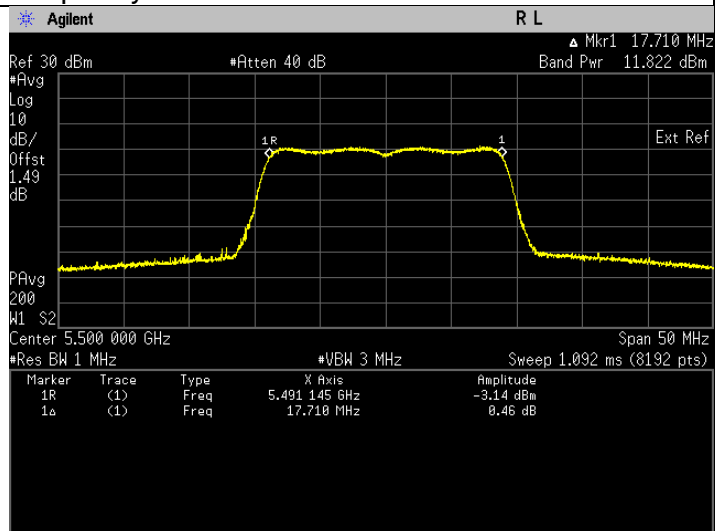
Frequency 5260 MHz.



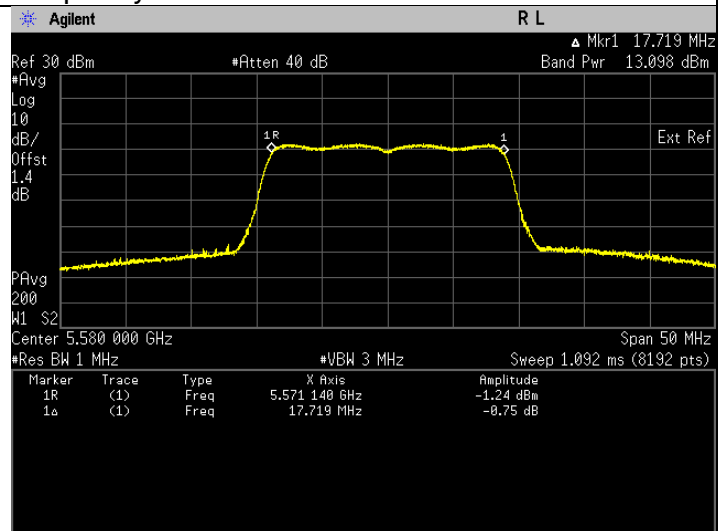
Frequency 5300 MHz.



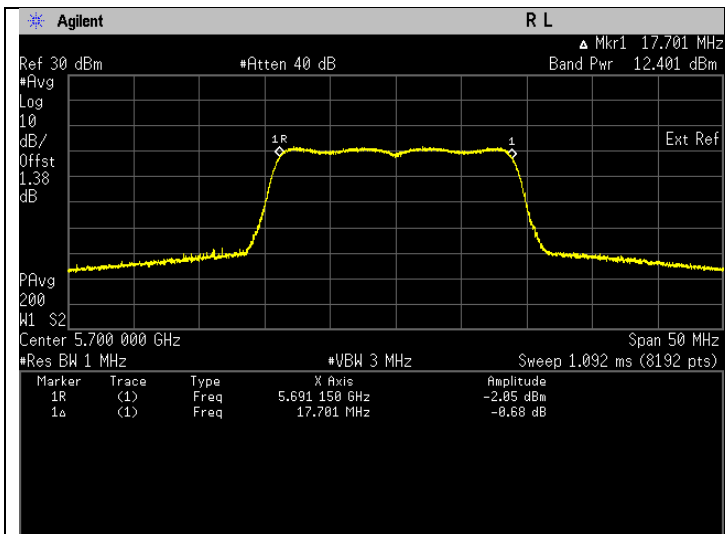
Frequency 5320 MHz.



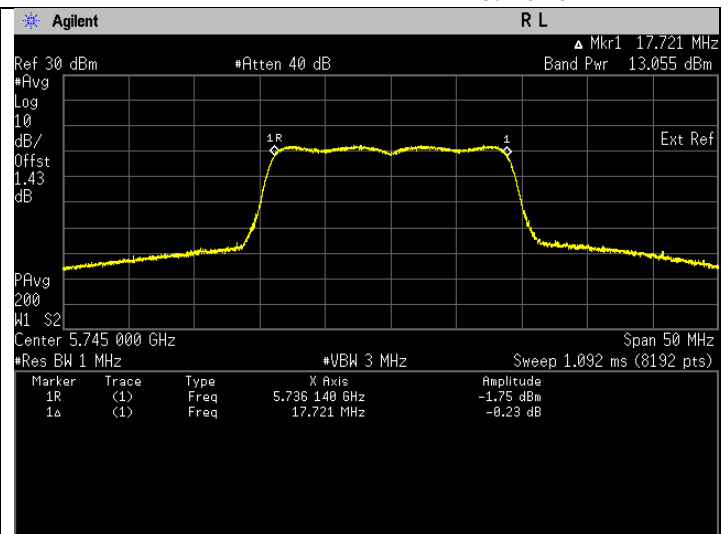
Frequency 5500 MHz.



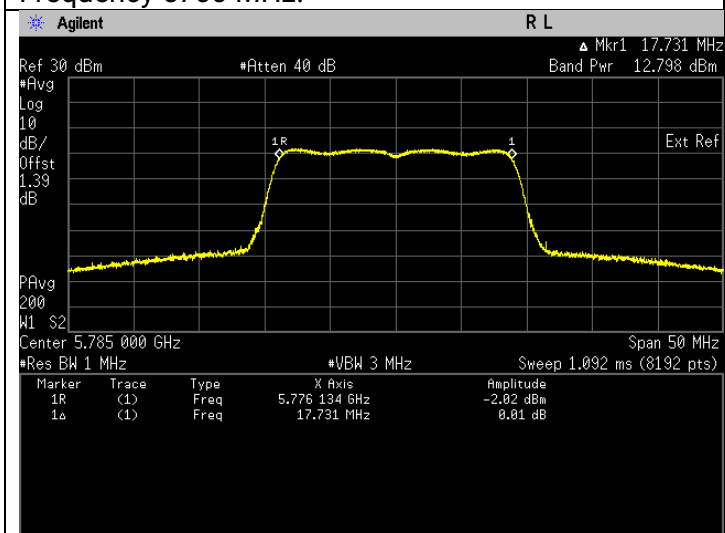
Frequency 5580 MHz.



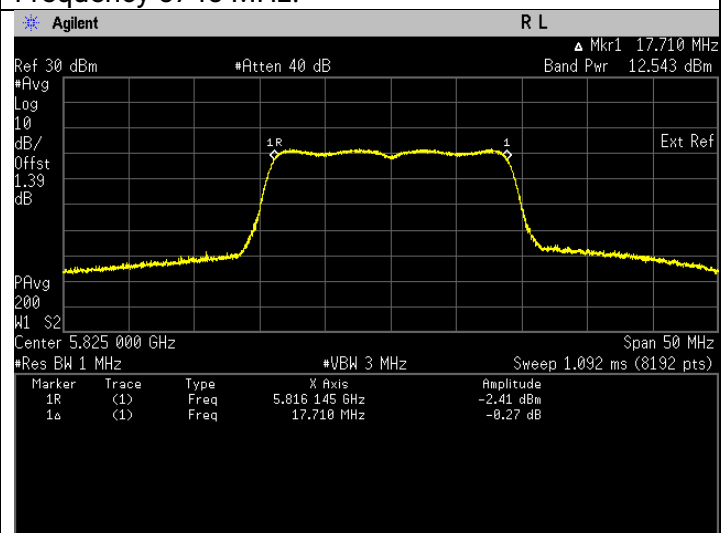
Frequency 5700 MHz.



Frequency 5745 MHz.



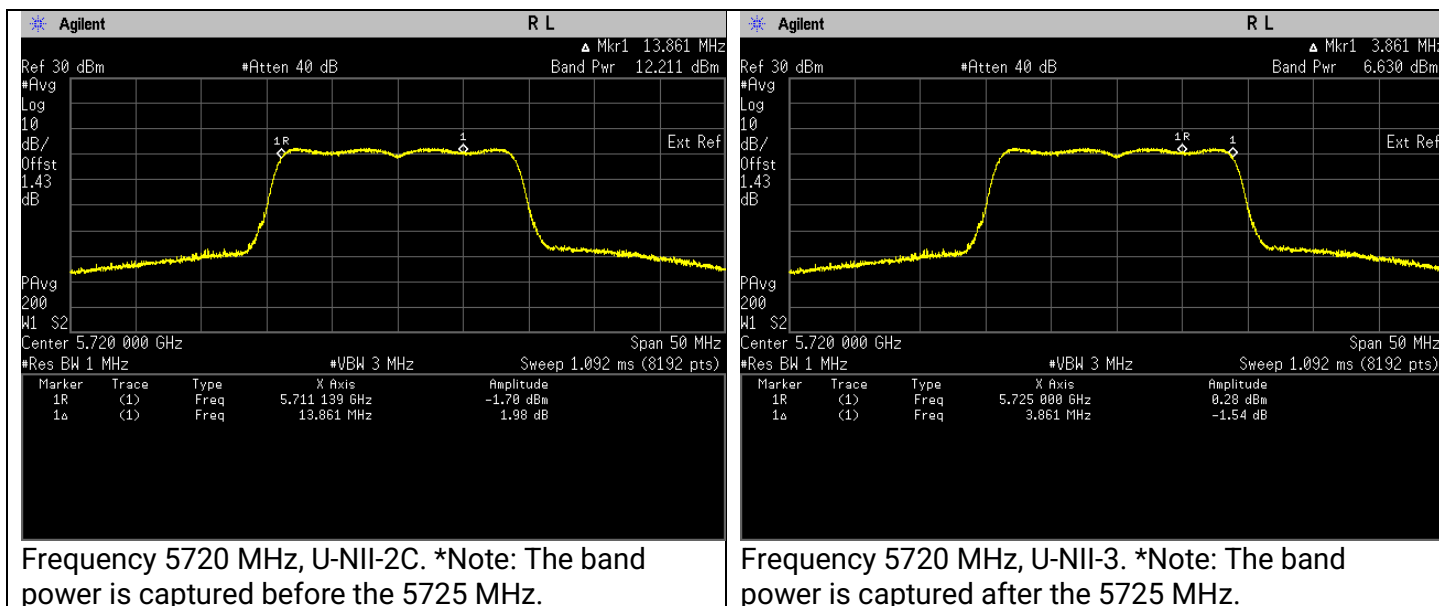
Frequency 5785 MHz.



Frequency 5825 MHz.

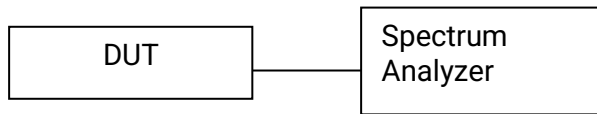
Straddle Frequency

Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results				
			U-NII- 2C				
			Power (mW)	Power (dBm)	Status	EIRP (dBm)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	17.084	12.326	Pass	15.326	Pass
U-NII-3							
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	4.726	6.745	Pass	9.745	Pass



7.3. Maximum Power Spectral Density

7.3.1. Test Setup



- a) Test setup as per illustrated above.
- b) Set DUT to transmit at desire transmit frequency.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - Span to encompass the entire 26dB EBW or 99% occupied bandwidth.
 - RBW = 1 MHz (5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz) / 500 kHz (5.725-5.85 GHz)
 - VBW $\geq$ 3·RBW
 - Detector = power averaging (RMS)
 - Trace = Max hold
 - Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$
 - Sweep time = auto
 - Trace average at least 100 traces in power averaging (rms) mode
- e) Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- f) Add $10 \log (1/x)$, where x is the duty cycle, to the peak of the spectrum.
- g) The measurement method follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 under clause F) Method SA-2.
- h) The Maximum power spectral density results are included duty cycle correction factor.

7.3.2. Test Limits

FCC 15.407(a)

Range (GHz)	Condition		Limit
5.15-5.25		Outdoor AP	17dBm/ 1MHz
		Indoor AP	17dBm/ 1MHz
		Fixed Point to Point AP	17dBm/ 1MHz
	√	Mobile and Portable Client Devices	11dBm/ 1MHz
5.25-5.35	√		11dBm/ 1MHz
5.47-5.525	√		11dBm/ 1MHz
5.725-5.85	√		30dBm/ 500kHz

RSS-247 6.2

Range (GHz)	Condition	Limit
5.15-5.25	Indoor Operation Only	EIRP: 10dBm/ 1MHz
5.25-5.35		11dBm/ 1MHz
5.47-5.6 5.6-5.525		11dBm/ 1MHz
5.725-5.85		30dBm/ 500kHz

7.3.3. Additional Info

Antenna Type	Gain (dBi)
UNII-1	6
UNII-2A & UNII-2C	3
UNII-3	6
Duty Cycle Correction Factor	
802.11a	0.197
802.11n20	0.115

7.3.4. Test Data

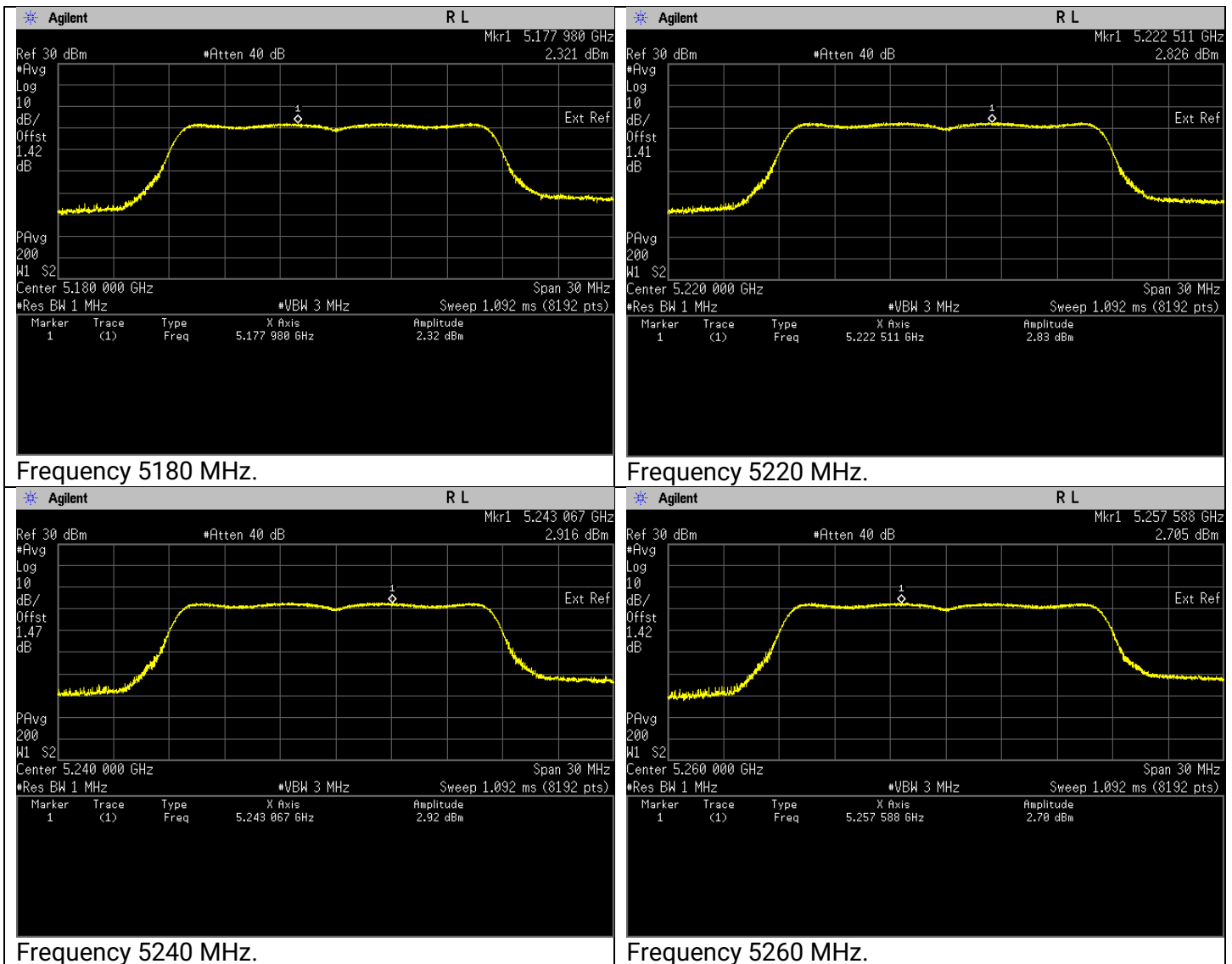
802.11a (26dB EBW)

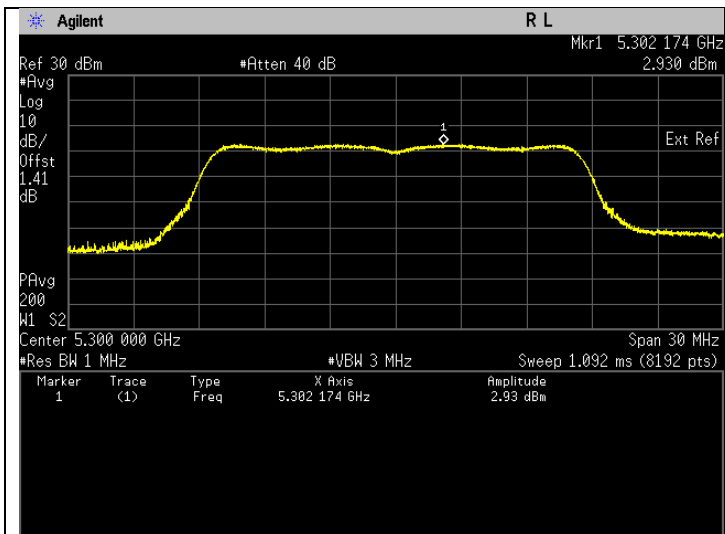
Freq. (MHz)	Test Conditions	Results	
		Power/Frequency (dBm/MHz)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	2.518	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.023	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.113	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	2.902	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.127	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	1.902	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.162	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	2.560	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	2.590	Pass
Freq. (MHz)	Test Conditions	Power/Frequency (dBm/500kHz)	Status
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	-0.544	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	0.266	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	0.315	Pass

802.11a (99% EBW)

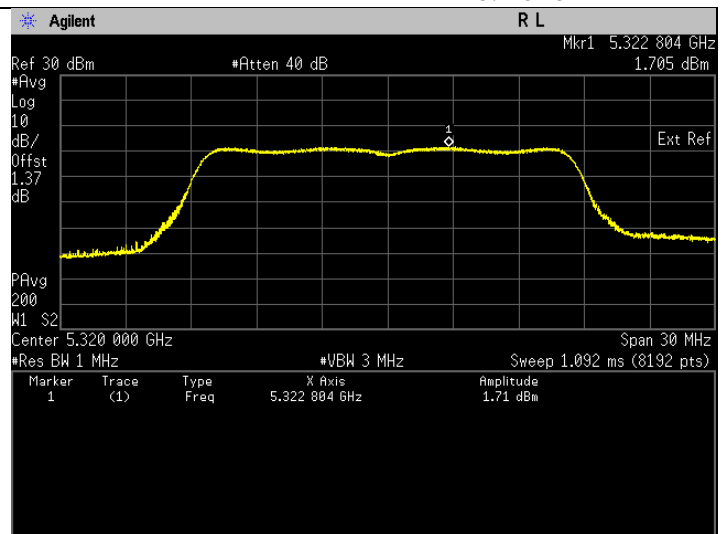
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results			
			Power/Frequency (dBm/MHz)	Status	EIRP (dBm/MHz)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	2.518	Pass	8.518	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	3.023	Pass	9.023	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	3.113	Pass	9.113	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	2.902	Pass	5.902	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	3.127	Pass	6.127	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	1.902	Pass	4.902	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	3.162	Pass	6.162	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	2.560	Pass	5.560	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	2.590	Pass	5.590	Pass
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Power/Frequency (dBm/500kHz)	Status	EIRP (dBm/500kHz)	Status
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	-0.544	Pass	5.456	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	0.266	Pass	6.266	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	6.00	0.315	Pass	6.315	Pass

Plots for 802.11a (26dB EBW & 99% EBW)

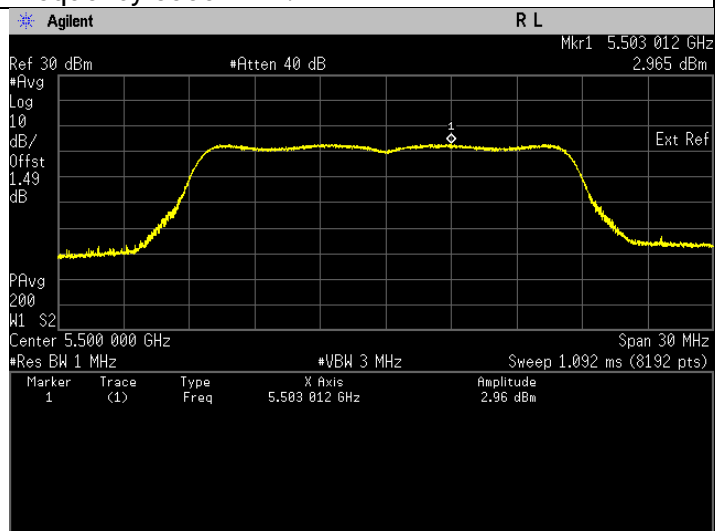




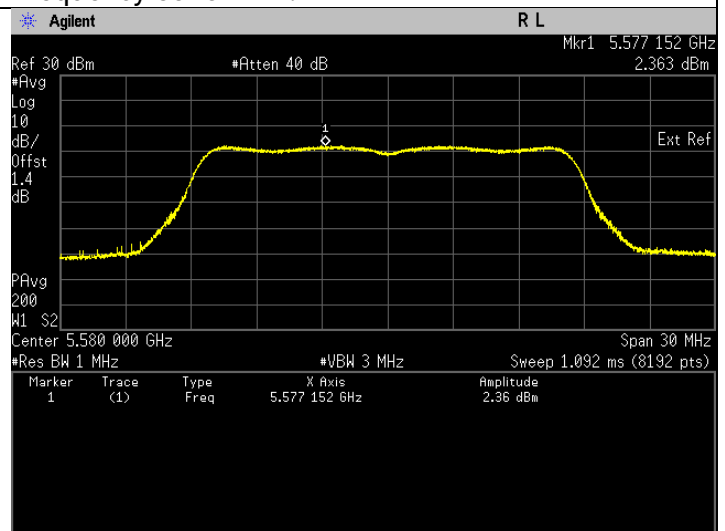
Frequency 5300 MHz.



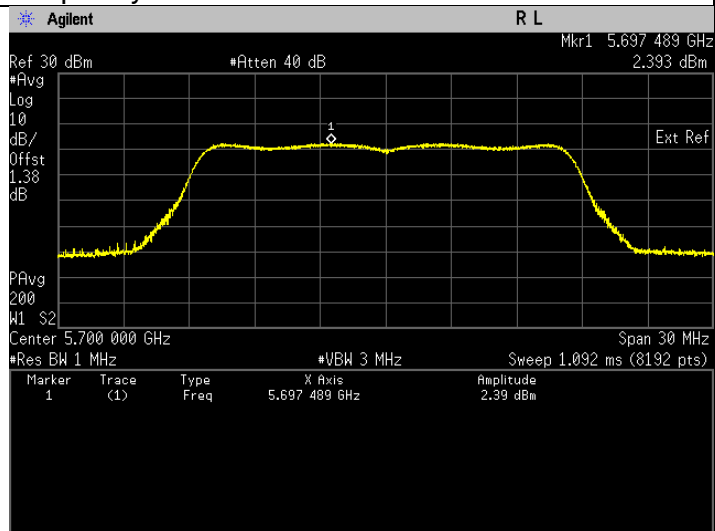
Frequency 5320 MHz.



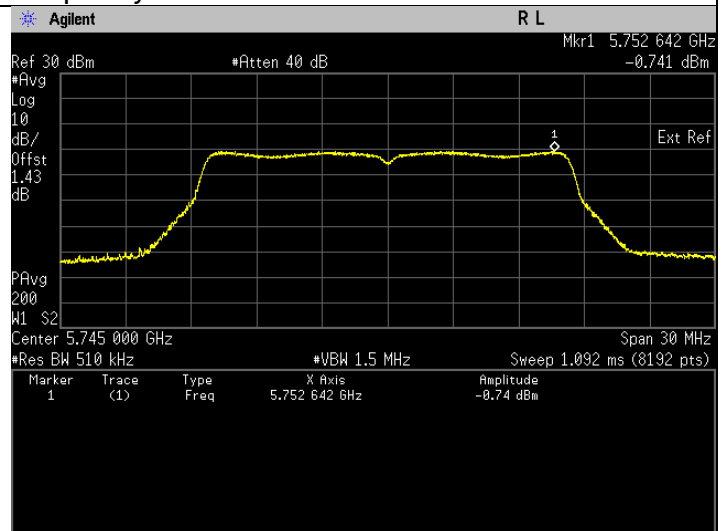
Frequency 5500 MHz.



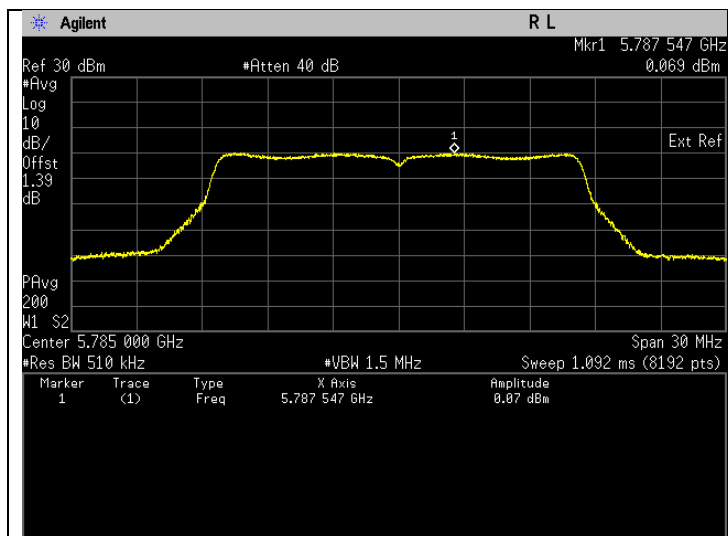
Frequency 5580 MHz.



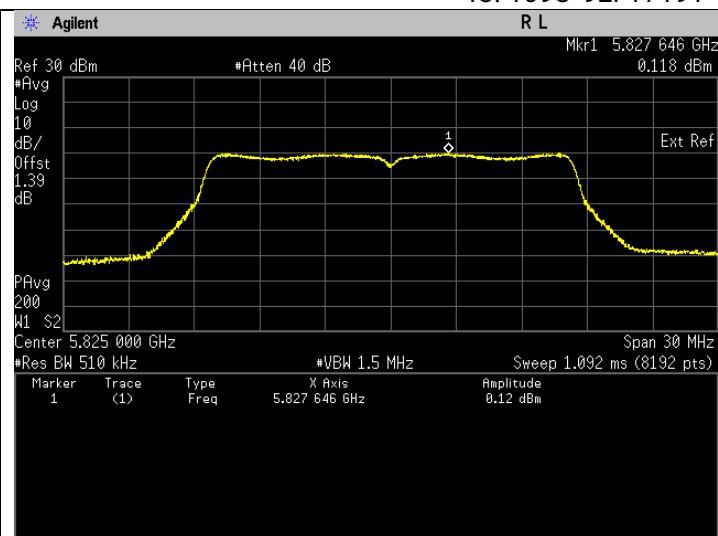
Frequency 5700 MHz.



Frequency 5745 MHz.



Frequency 5785 MHz.



Frequency 5825 MHz.

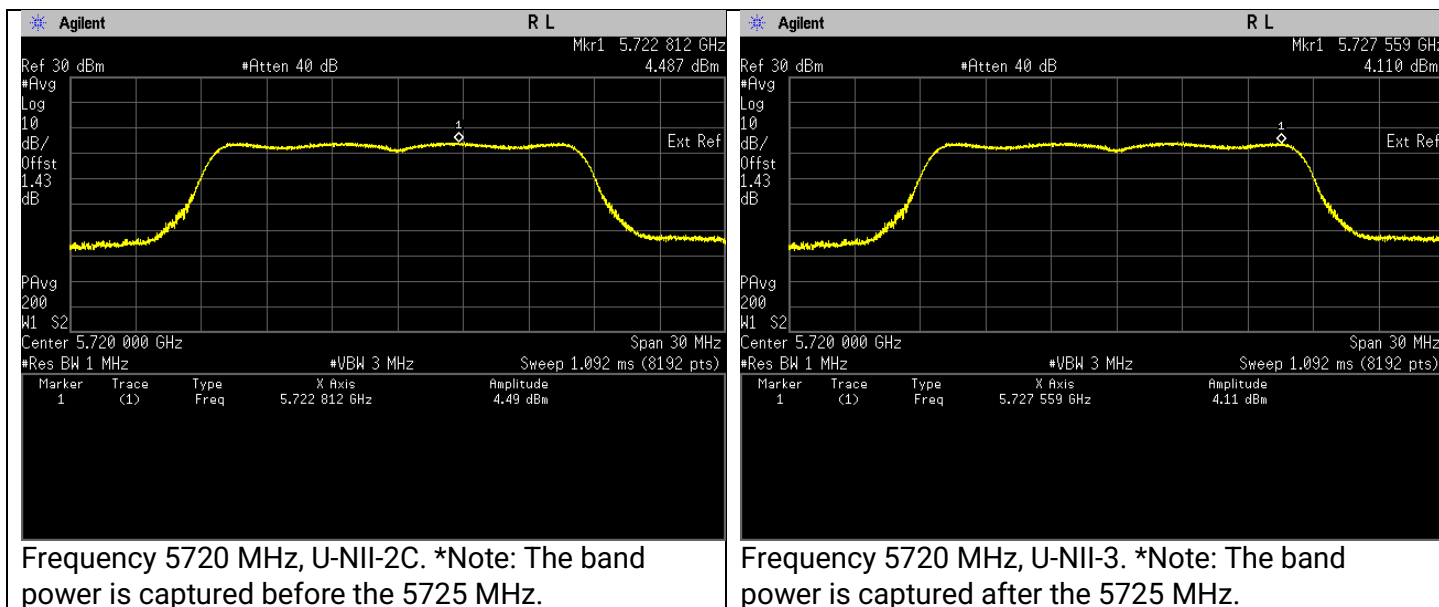
Straddle Frequency for 802.11a (26dB EBW)

Freq. (MHz)	Test Conditions	Results	
		Power/Frequency (dBm/MHz)	Status
		U-NII- 2C	
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	4.684	Pass
Freq. (MHz)	Test Conditions	U-NII-3	
		Power/Frequency (dBm/500kHz)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	4.307	Pass

Straddle Frequency for 802.11a (99% EBW)

Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results		
			Power/Frequency (dBm/MHz)	EIRP (dBm/MHz)	Status
			U-NII- 2C		
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	4.684	7.684	Pass
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	U-NII-3		
			Power/Frequency (dBm/500kHz)	EIRP (dBm/500kHz)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.00	4.307	7.307	Pass

Plots for 802.11a Straddle Frequency (26dB EBW & 99% EBW)



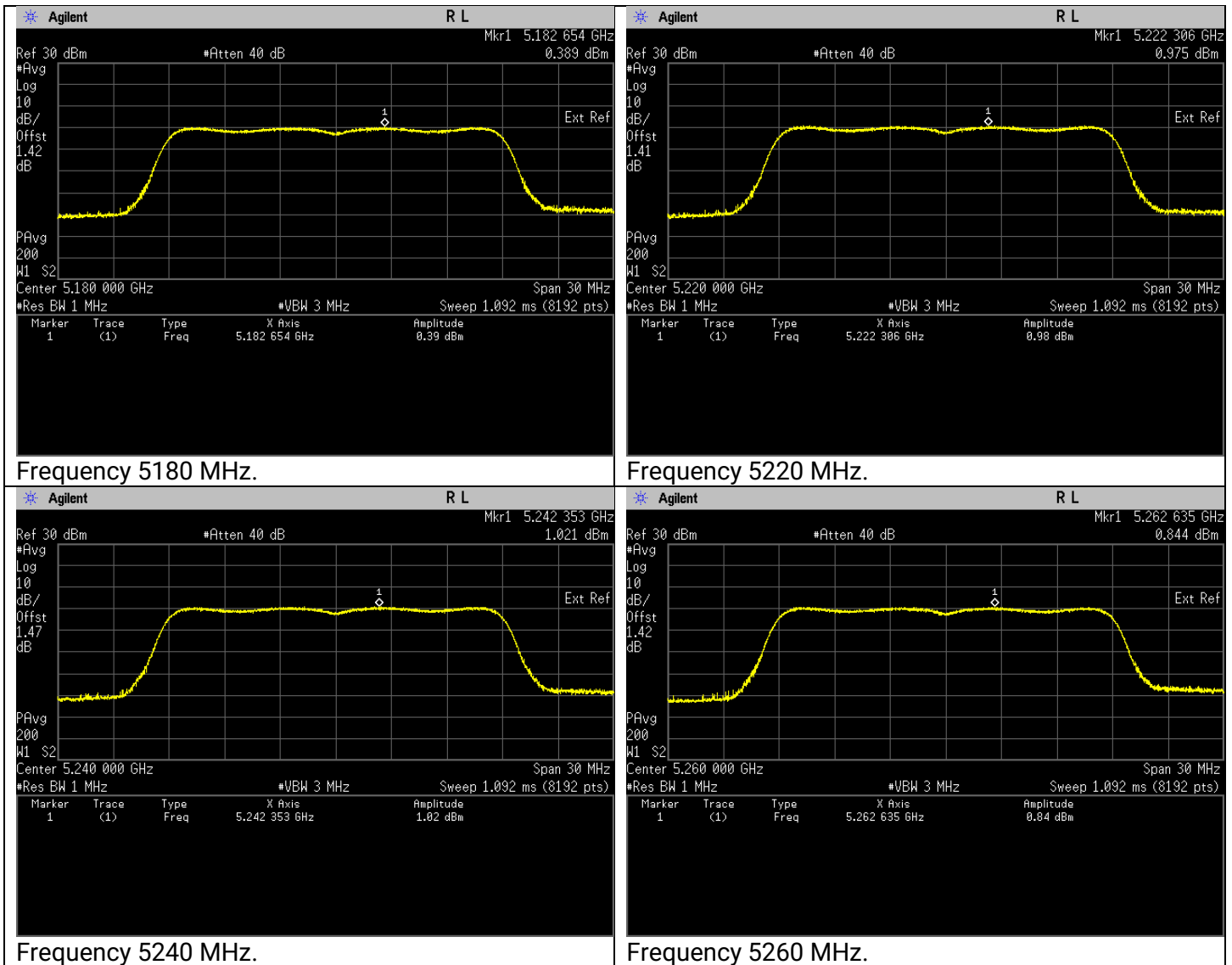
802.11n (HT20) (26dB EBW)

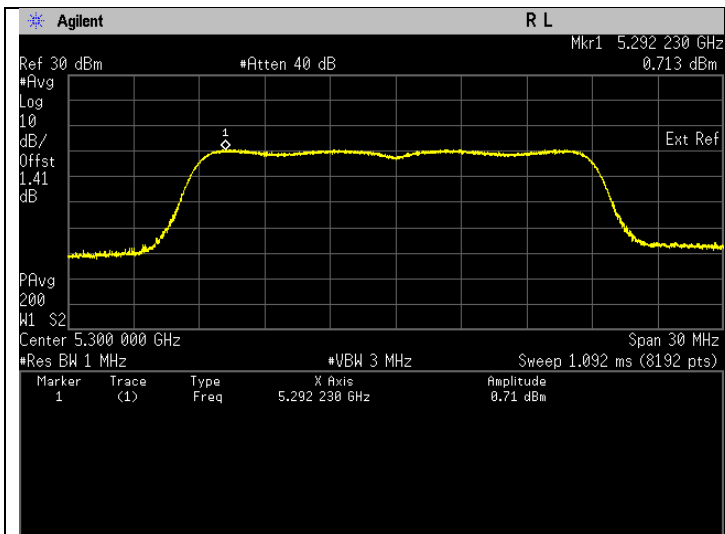
Freq. (MHz)	Test Conditions	Results	
		Power/Frequency (dBm/MHz)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	0.504	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	1.090	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	1.136	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	0.959	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	0.828	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	1.010	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	1.013	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	2.419	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	1.646	Pass
Freq. (MHz)	Test Conditions	Power/Frequency (dBm/500kHz)	Status
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	-0.564	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	-0.596	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	-0.949	Pass

802.11n (HT20) (99% EBW)

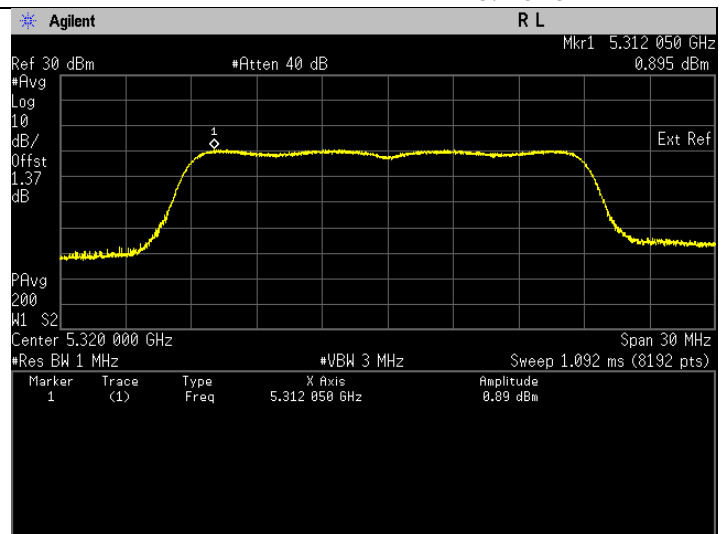
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results			
			Power/Frequency (dBm/MHz)	Status	EIRP (dBm/MHz)	Status
5180	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	0.504	Pass	6.504	Pass
5220	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	1.090	Pass	7.090	Pass
5240	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	1.136	Pass	7.136	Pass
5260	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	0.959	Pass	3.959	Pass
5300	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	0.828	Pass	3.828	Pass
5320	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	1.010	Pass	4.010	Pass
5500	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	1.013	Pass	4.013	Pass
5580	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	2.419	Pass	5.419	Pass
5700	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	1.646	Pass	4.646	Pass
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Power/Frequency (dBm/500kHz)	Status	EIRP (dBm/500kHz)	Status
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	-0.564	Pass	5.436	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	-0.596	Pass	5.404	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	6.00	-0.949	Pass	5.051	Pass

Plots for 802.11n (HT20) (26dB EBW & 99% EBW)

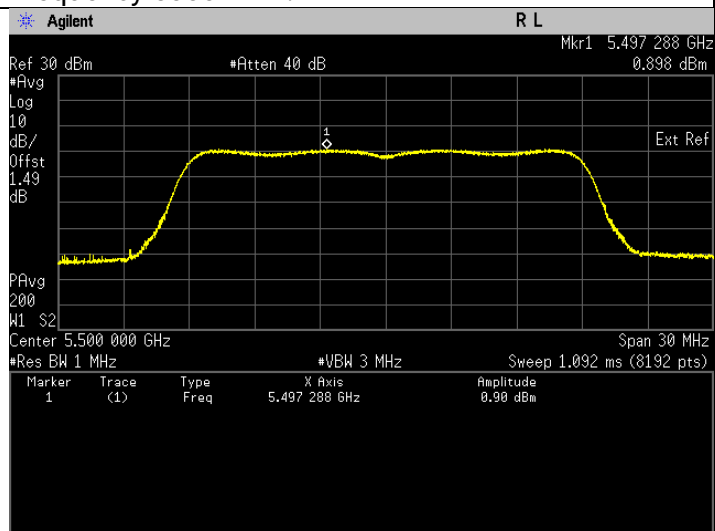




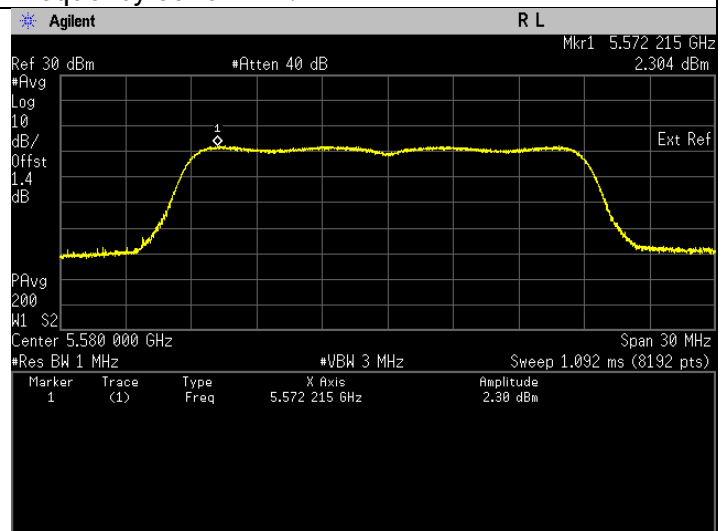
Frequency 5300 MHz.



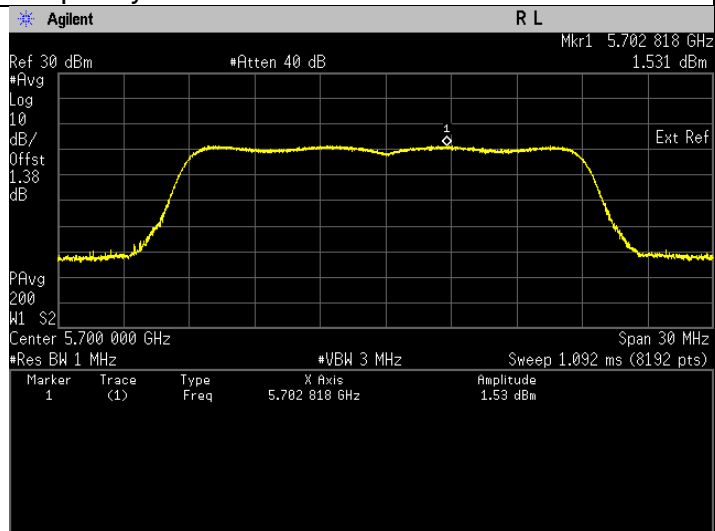
Frequency 5320 MHz.



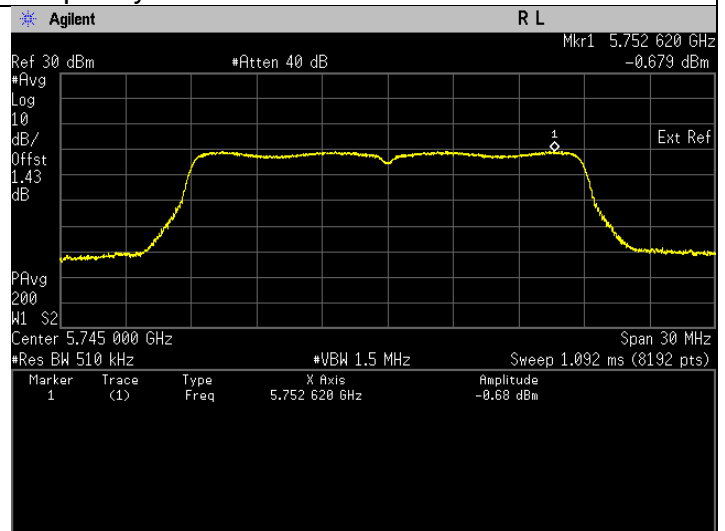
Frequency 5500 MHz.



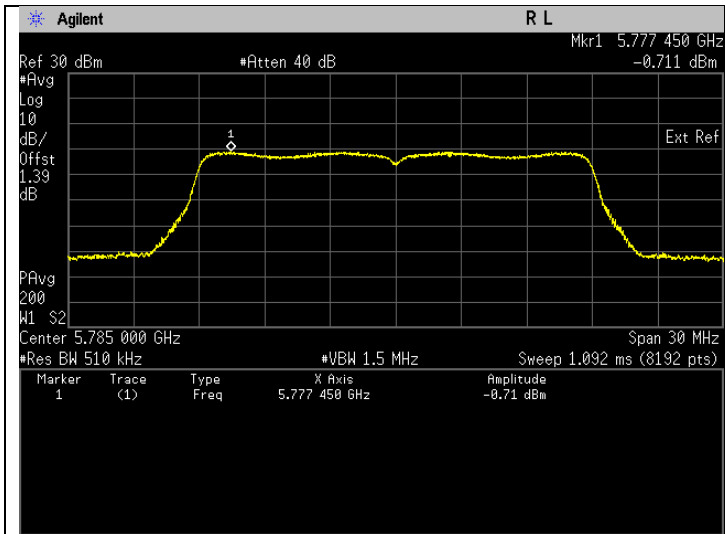
Frequency 5580 MHz.



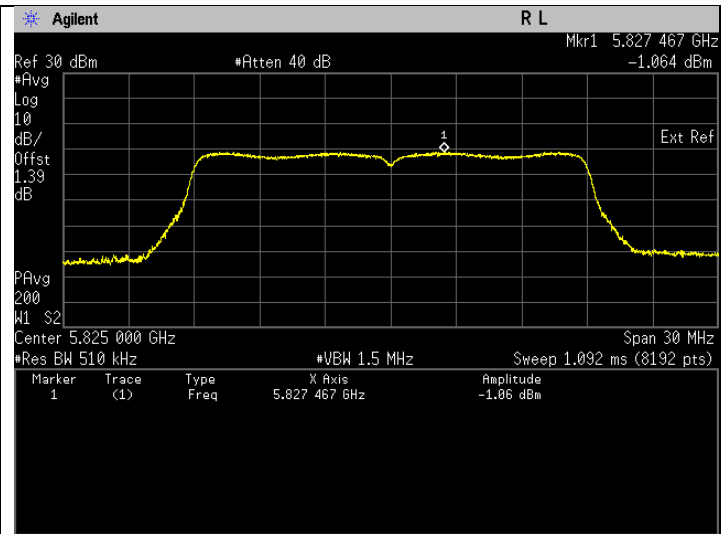
Frequency 5700 MHz.



Frequency 5745 MHz.



Frequency 5785 MHz.



Frequency 5825 MHz.

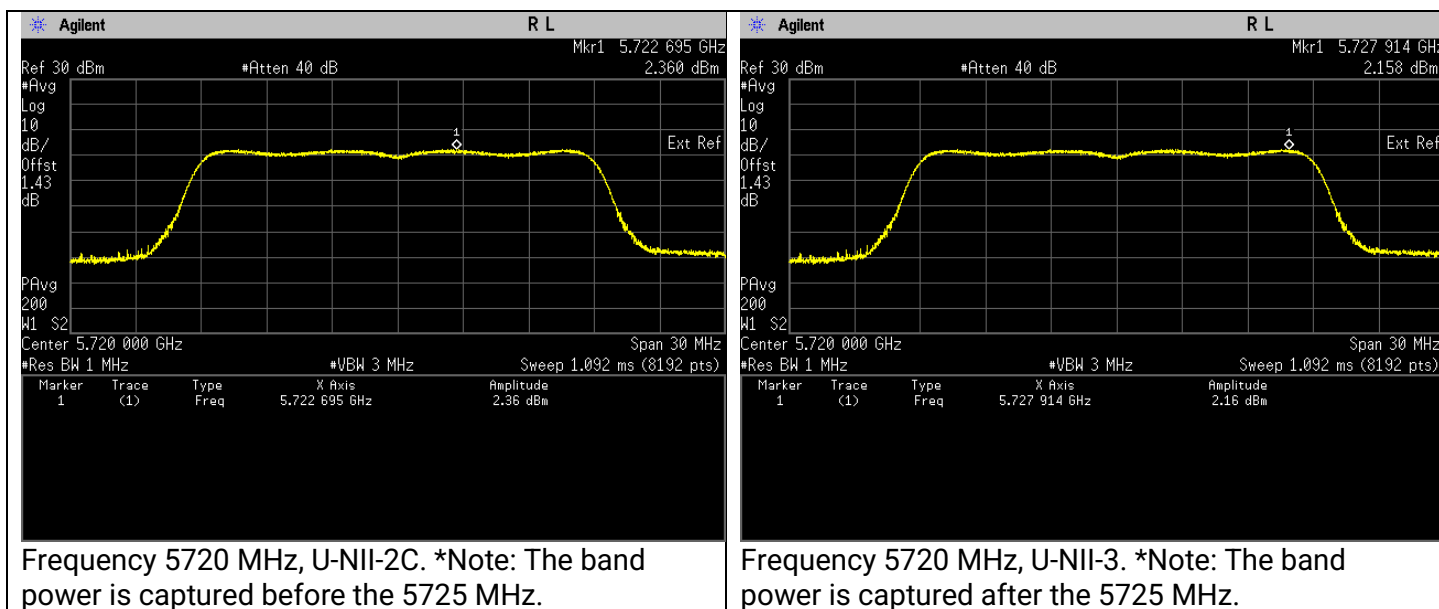
Straddle Frequency for 802.11n (HT20) (26dB EBW)

Freq. (MHz)	Test Conditions	Results	
		Power/Frequency (dBm/MHz)	Status
		U-NII- 2C	
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	2.475	Pass
Freq. (MHz)	Test Conditions	U-NII-3	
		Power/Frequency (dBm/500kHz)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	2.273	Pass

Straddle Frequency for 802.11n (HT20) (99% EBW)

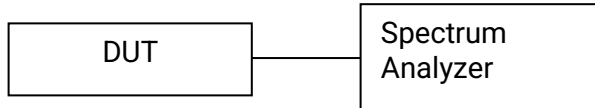
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	Results		
			Power/Frequency (dBm/MHz)	EIRP (dBm/ MHz)	Status
			U-NII- 2C		
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	2.475	5.475	Pass
Freq. (MHz)	Test Conditions	Antenna Gain (dBi)	U-NII-3		
			Power/Frequency (dBm/500kHz)	EIRP (dBm/500kHz)	Status
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.00	2.273	5.273	Pass

Plots for 802.11n (HT20) Straddle Frequency (26dB EBW & 99% EBW)



7.4. 6dB Bandwidth

7.4.1. Test Setup



- a) Test setup as per illustrated above.
- b) Set DUT to transmit at desire transmit frequency.
- c) 6dB bandwidth is applicable for the band 5.725-5.85GHz only.
- d) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- e) Setting of Spectrum analyzer:
 - RBW = 100 kHz
 - VBW $\geq 3 \cdot$ RBW
 - Detector = Peak
 - Trace = Max Hold
 - Sweep = Auto couple
- f) Allow trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- h) The measurement method follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 under clause C.2).

7.4.2. Test Limits

FCC 15.407(e)

Within the 5.725-5.85GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

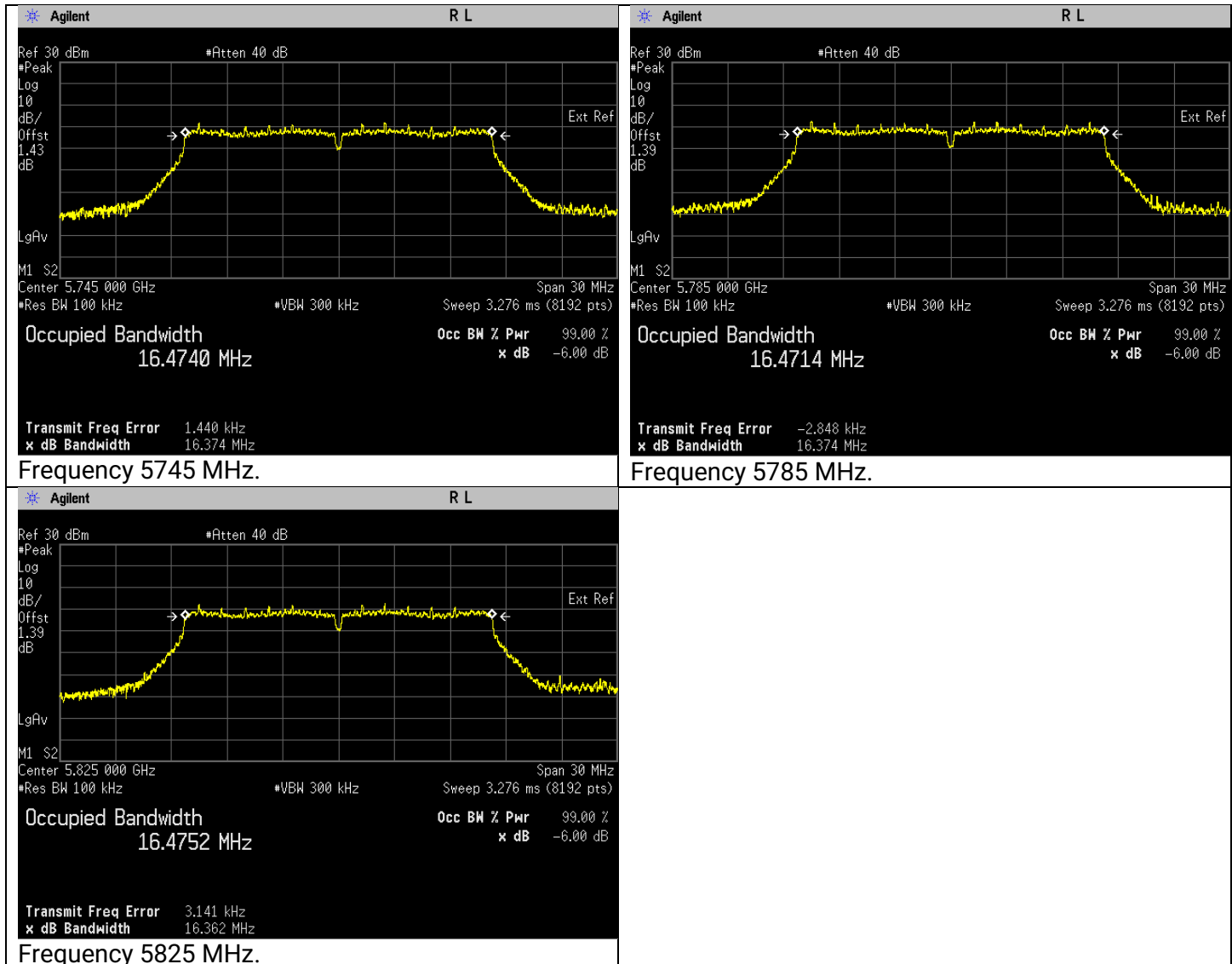
RSS 247 6.2.4

For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

7.4.3. Test Data

802.11a

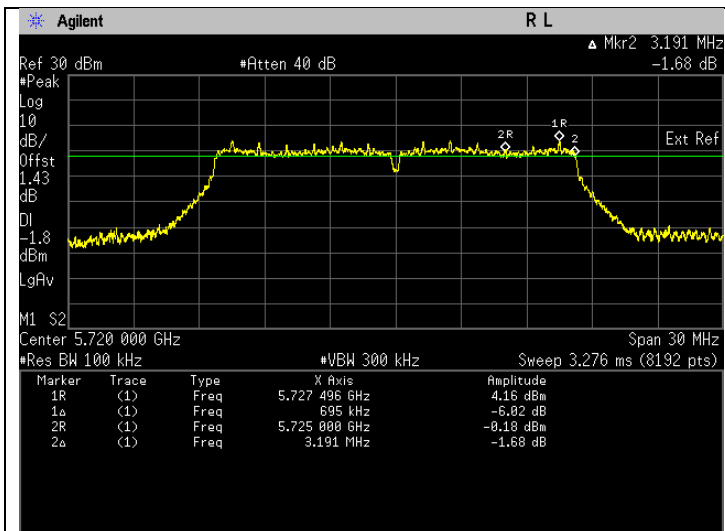
Freq. (MHz)	Test Configuration	Results	
		Bandwidth (MHz)	Status
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	16.374	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	16.374	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	16.362	Pass



Straddle Frequency for 802.11a

Freq. (MHz)	Test Conditions	Results	
		Bandwidth (MHz)	Status
		U-NII- 3	
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	3.191	Pass

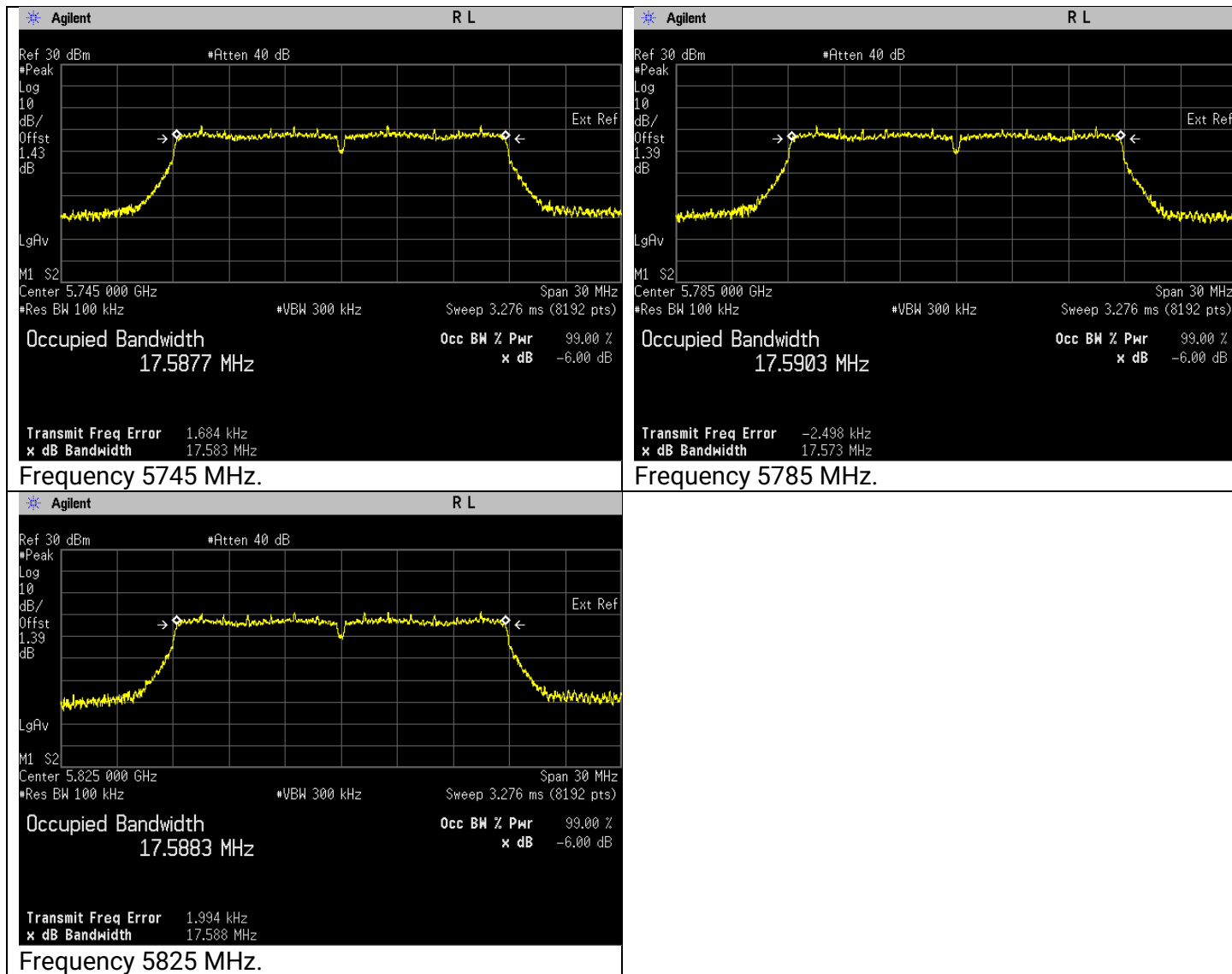
Plots for 802.11a Straddle Frequency



Frequency 5720 MHz.

802.11n (HT20)

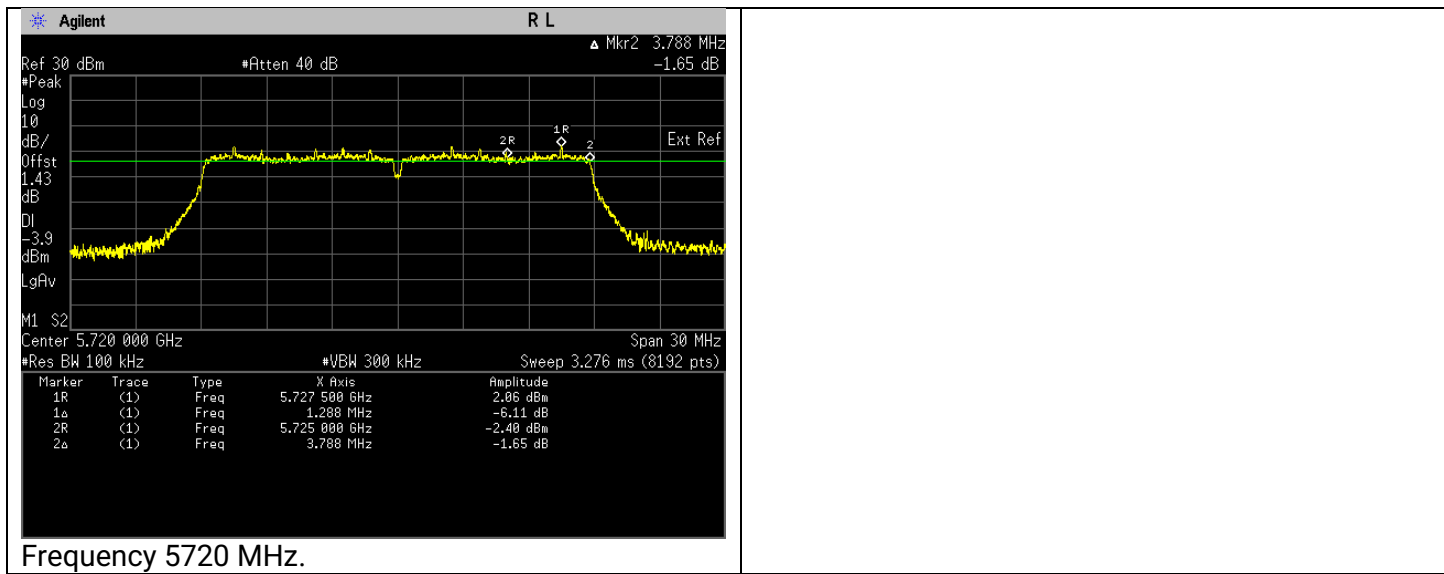
Freq. (MHz)	Test Configuration	Results	
		Bandwidth (MHz)	Status
5745	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	17.583	Pass
5785	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	17.573	Pass
5825	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	17.588	Pass



Straddle Frequency for 802.11n (HT20)

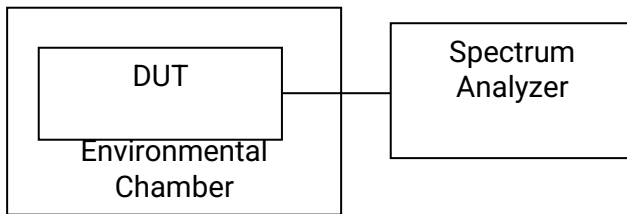
Freq. (MHz)	Test Conditions	Results	
		Bandwidth (MHz)	Status
		U-NII- 3	
5720	Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6.5	3.788	Pass

Plots for 802.11n (HT20) Straddle Frequency



7.5. Frequency Stability

7.5.1. Test Setup



- a) Test setup as per illustrated above.
- b) Set DUT to transmit un-modulated signal at desire transmit frequency.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) The DUT was operated at the maximum output power, and spectrum which is set to maximum hold function and peak detector.
- e) The peak value of the power envelope was measured and noted.
- f) Test was conducted from temperature range from -30°C to 50°C with step size of 10°C on manufacturer's rated supply voltage.
- g) At temperature of 20°C, +/-15% of manufacturer's rated voltage are to be applied.
- h) The frequency stability is measured and recorded of frequency deviation due to temperature and supply voltage variations as mentioned at condition f) & g) above.

7.5.2. Test Limits

FCC 15.407(g)

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

RSS-GEN 6.11

7.5.3. Test Data

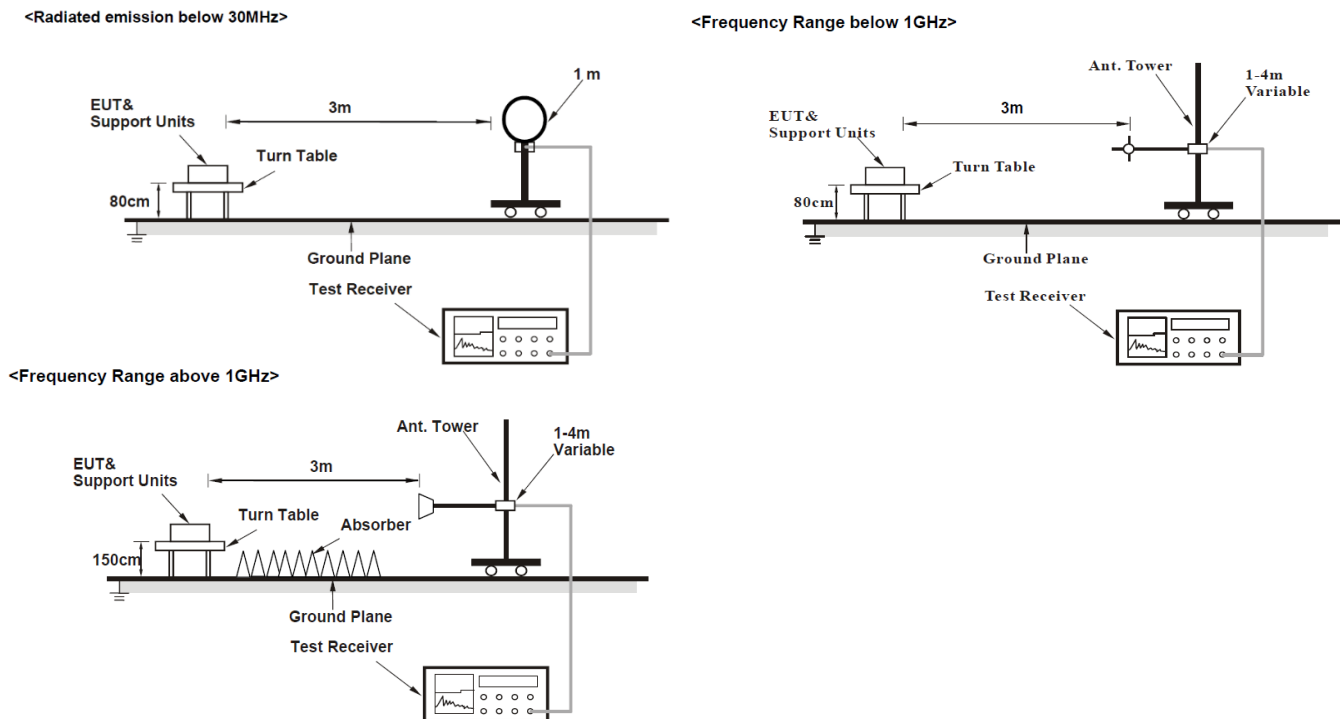
802.11a

Test Configuration	Test Frequency
	Tx (MHz)
Mod Type: OFDM, Mod Tech: BPSK, Data Rate: 6	5180

Temperature(°C)	Voltage	Results			
		Measured Frequency (MHz)	Frequency Error(kHz)	Frequency Error (%)	Status
20	+15%	5179.997276	2.724000	0.000053	Pass
	±0%	5179.997286	2.714000	0.000052	Pass
	-15%	5179.997288	2.712000	0.000052	Pass
-30		5179.997290	2.710000	0.000052	Pass
-20		5179.997291	2.709000	0.000052	Pass
-10		5179.997287	2.713000	0.000052	Pass
0		5179.997283	2.717000	0.000052	Pass
10		5179.997280	2.720000	0.000053	Pass
30		5179.997248	2.752000	0.000053	Pass
40		5179.997251	2.749000	0.000053	Pass
50		5179.997251	2.749000	0.000053	Pass

7.6. Band Edge Radiated Spurious Emission Measurement

7.6.1. Test Setup



1. The EUT is placed on the top of a rotating table 0.8m/1.5m above the ground at a 3m semi-anechoic chamber. The table is rotated 360 degrees to determine the position of the highest radiation.
2. The EUT is set 3m away from the interference-receiving antenna, which is mounted on the top of a variable-height antenna tower.
3. 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.
4. 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.
5. The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. 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.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection using reduced video bandwidth (Duty cycle $\geq 98\%$) at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $1/\tau$ Hz, where τ is minimum transmitter on time (Duty cycle $< 98\%$) for Average detection using reduced video bandwidth at frequency above 1GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7.6.2. Test Limits

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

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.

For Radiated emissions which fall out of the restricted bands must comply with the radiated emission limits specified as below table.

Applicable To		Limit	
789033 D02 General UNII Test Procedures New Rules v01r03		Field Strength at 3 m	
		PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
5150~5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2 (dBμV/m) ^{*1} PK:105.2 (dBμV/m) ^{*2} PK: 110.8 (dBμV/m) ^{*3} PK:122.2 (dBμV/m) ^{*4}
	15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
^{*1} beyond 75 MHz or more above of the band edge.			
^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.			
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.			
^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.			

NOTE:

The following formula is used to convert the equipment isotropic radiated power (eirr) to field strength:

$$E = (1000000\sqrt{30P}) / 3 \text{ } \mu\text{V/m, where P is the eirr (Watts)}$$

7.6.3. Test Result

802.11a

SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID :	AZ492FT7191	IC :	109U-92FT7191
Model No :	AAM29QNN9YA1AN	Serial No :	008TCH0251
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5180.0000	Softpot Power :	15.00
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	5095.5290	42.05	54.00	11.95
Vertical	Average	5096.1290	42.06	54.00	11.94
Horizontal	Average	5098.2270	42.08	54.00	11.92
Horizontal	Average	5100.1750	42.09	54.00	11.91
Horizontal	Average	5101.0740	42.09	54.00	11.91
Horizontal	Average	5103.6220	42.13	54.00	11.87
Horizontal	Average	5105.2700	42.11	54.00	11.89
Vertical	Average	5106.0190	42.04	54.00	11.96
Horizontal	Average	5106.1690	42.10	54.00	11.90
Vertical	Average	5106.3190	42.04	54.00	11.96
Horizontal	Average	5110.2150	42.17	54.00	11.83
Horizontal	Average	5112.4620	42.07	54.00	11.93
Horizontal	Average	5113.2120	42.18	54.00	11.82
Vertical	Average	5115.1600	42.08	54.00	11.92
Vertical	Average	5116.2090	42.06	54.00	11.94
Vertical	Average	5116.8080	42.05	54.00	11.95
Vertical	Average	5117.4080	42.10	54.00	11.90
Vertical	Average	5118.9060	42.14	54.00	11.86
Vertical	Peak	5147.6770	64.07	74.00	9.93
Horizontal	Average	5149.4760	46.01	54.00	7.99
Vertical	Average	5149.9250	45.21	54.00	8.79
Vertical	Average	5150.0000	45.24	54.00	8.76
Horizontal	Average	5150.0000	46.01	54.00	7.99
Vertical	Peak	5150.0000	64.32	74.00	9.68
Horizontal	Peak	5150.0000	62.69	74.00	11.31

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Fuad & Rezza	Test Date :	Tue, 19 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

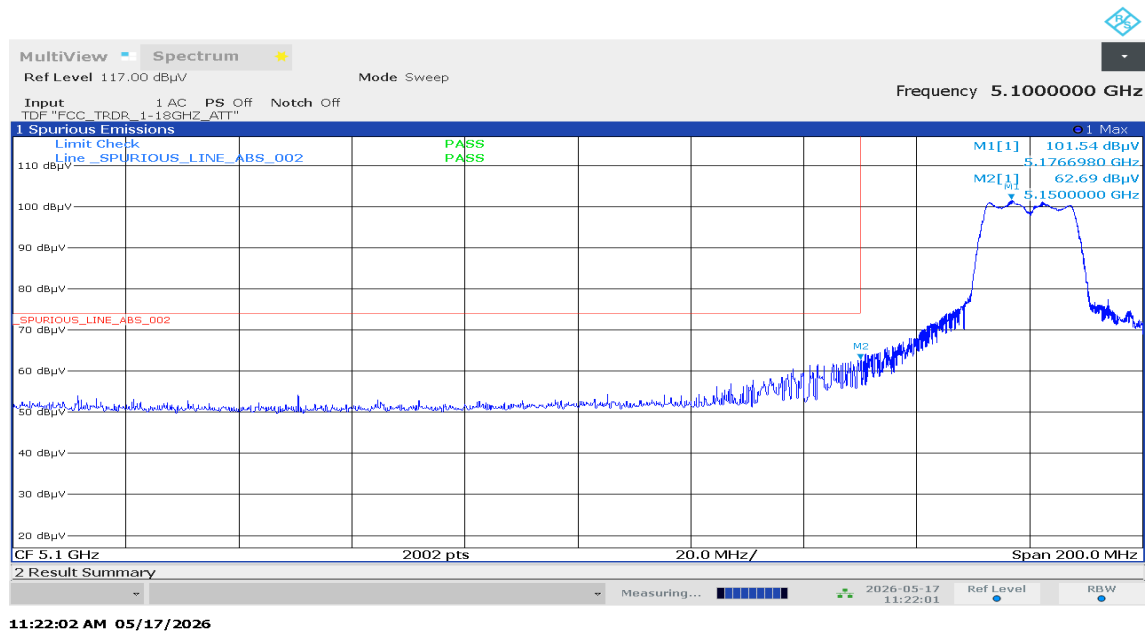
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

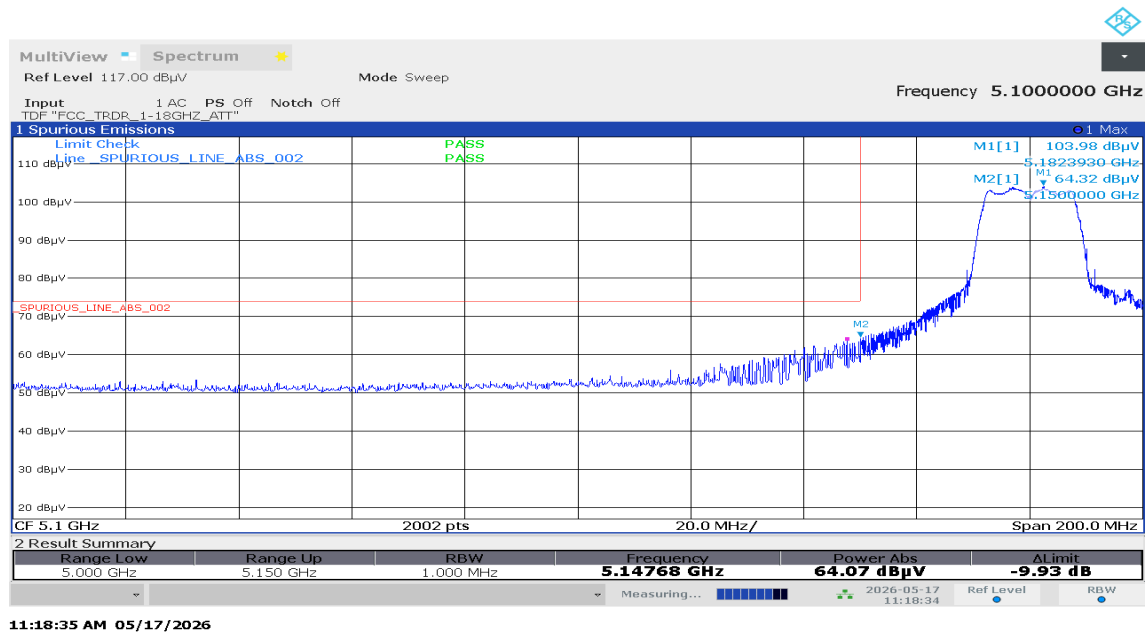
NOTE :

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

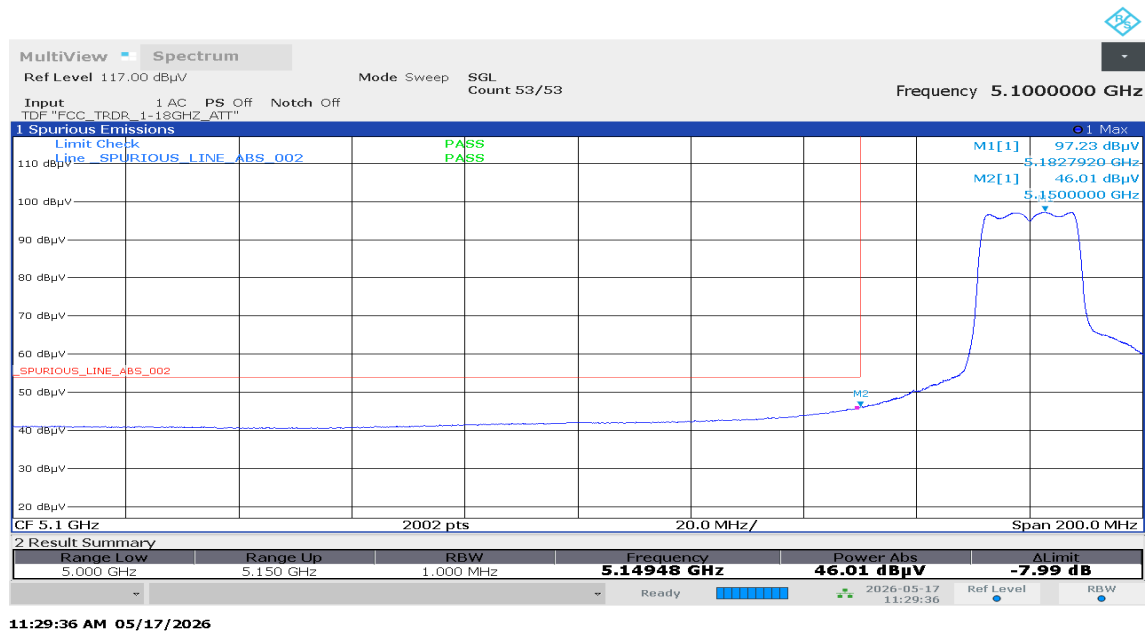
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5320.0000 Softpot Power : 14.00
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	5350.0000	48.15	54.00	5.85
Horizontal	Average	5350.0000	47.69	54.00	6.31
Vertical	Peak	5350.0000	66.42	74.00	7.58
Horizontal	Peak	5350.0000	64.47	74.00	9.53
Vertical	Average	5350.0250	48.15	54.00	5.85
Horizontal	Peak	5350.1250	65.19	74.00	8.81
Horizontal	Average	5350.1750	47.74	54.00	6.26
Vertical	Peak	5350.1750	66.71	74.00	7.29
Vertical	Peak	5350.4750	66.35	74.00	7.65
Vertical	Peak	5350.6250	65.76	74.00	8.24
Horizontal	Peak	5350.7740	64.39	74.00	9.61
Vertical	Peak	5350.9740	65.03	74.00	8.97
Vertical	Peak	5351.0740	65.55	74.00	8.45
Vertical	Peak	5351.3740	65.13	74.00	8.87
Vertical	Peak	5351.6240	64.26	74.00	9.74
Vertical	Peak	5351.8230	65.12	74.00	8.88
Vertical	Peak	5352.1230	64.73	74.00	9.27
Vertical	Peak	5353.8710	64.05	74.00	9.95

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

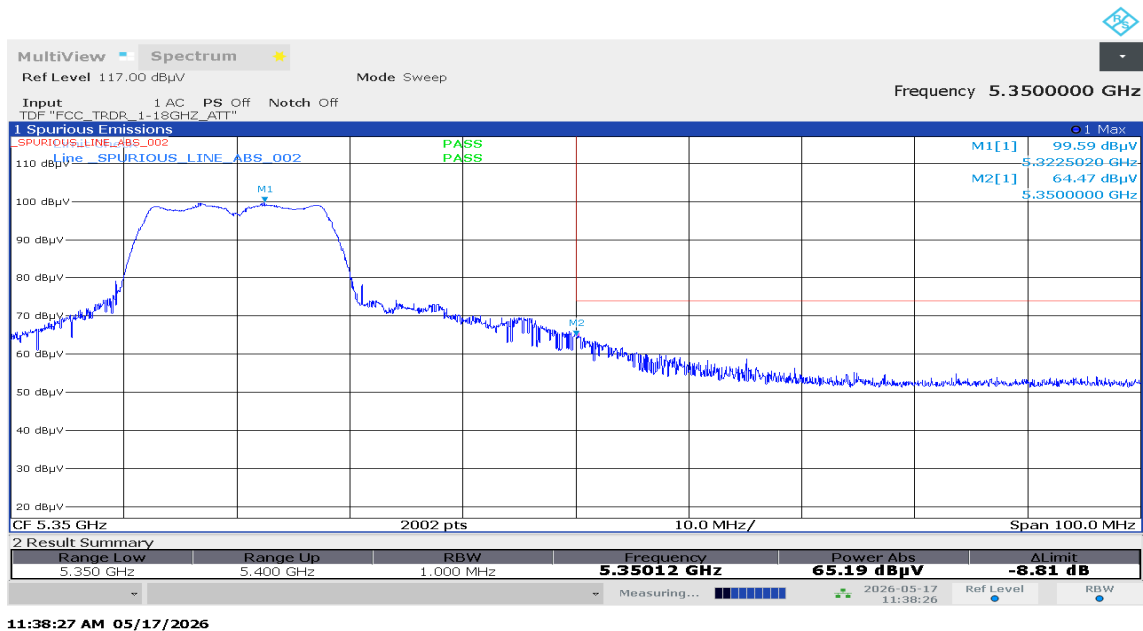
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

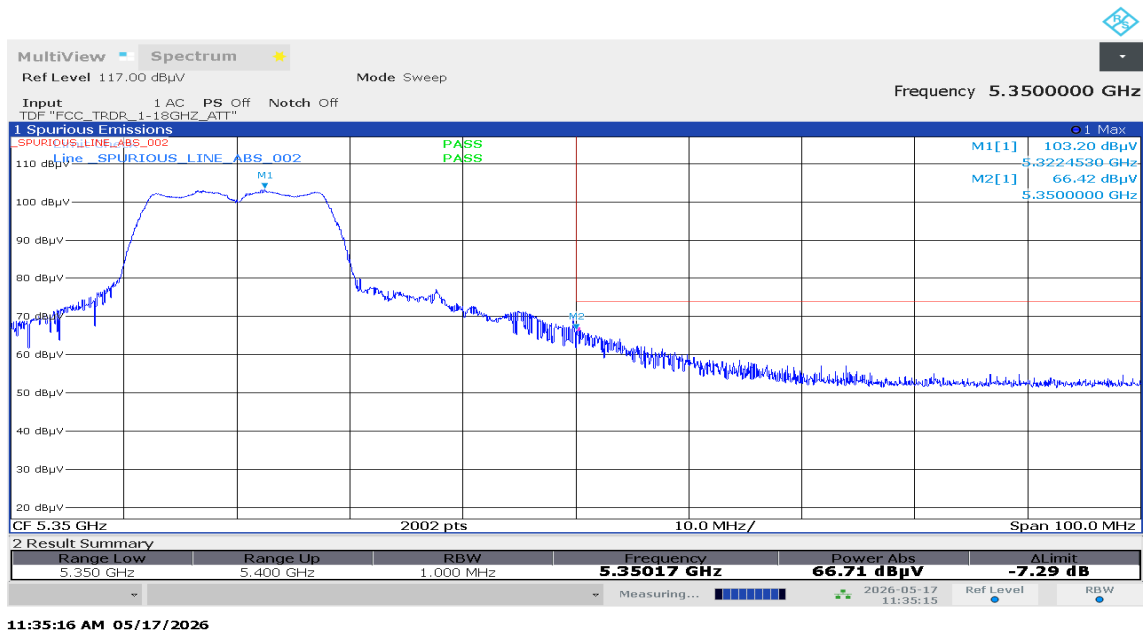
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID :	AZ492FT7191	IC :	109U-92FT7191
Model No :	AAM29QNN9YA1AN	Serial No :	008TCH0251
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5500.0000	Softpot Power :	14.00
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	Average	5379.8370	42.03	54.00	11.97
Horizontal	Average	5383.4130	42.00	54.00	12.00
Horizontal	Average	5385.3370	42.12	54.00	11.88
Horizontal	Average	5408.9870	42.43	54.00	11.57
Horizontal	Average	5425.4870	42.17	54.00	11.83
Horizontal	Average	5428.5130	42.11	54.00	11.89
Horizontal	Average	5430.1630	42.17	54.00	11.83
Vertical	Average	5459.3130	43.99	54.00	10.01
Horizontal	Peak	5463.4250	60.68	68.20	7.52
Vertical	Peak	5465.0750	60.75	68.20	7.45
Vertical	Peak	5465.7250	60.87	68.20	7.33
Horizontal	Peak	5466.1250	60.75	68.20	7.45
Horizontal	Peak	5466.8250	60.71	68.20	7.49
Horizontal	Peak	5467.0250	61.30	68.20	6.90
Vertical	Peak	5467.2250	61.29	68.20	6.91
Horizontal	Peak	5467.6250	60.97	68.20	7.23
Vertical	Peak	5467.8750	60.97	68.20	7.23
Vertical	Peak	5468.1750	60.89	68.20	7.31
Horizontal	Peak	5468.2250	60.72	68.20	7.48
Horizontal	Peak	5468.9750	60.95	68.20	7.25
Vertical	Peak	5469.0750	61.72	68.20	6.48
Horizontal	Peak	5469.3250	60.65	68.20	7.55
Vertical	Peak	5469.3750	60.12	68.20	8.08
Vertical	Peak	5469.6250	60.90	68.20	7.30
Horizontal	Peak	5469.6750	61.85	68.20	6.35
Vertical	Peak	5469.7250	61.27	68.20	6.93
Vertical	Average	5469.8250	45.75	54.00	8.25
Horizontal	Peak	5469.8250	61.91	68.20	6.29
Vertical	Peak	5469.8750	61.21	68.20	6.99
Vertical	Average	5470.0000	46.06	54.00	7.94

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Average	5470.0000	41.72	54.00	12.28
Vertical	Peak	5470.0000	53.20	68.20	15.00
Horizontal	Peak	5470.0000	51.59	68.20	16.61

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

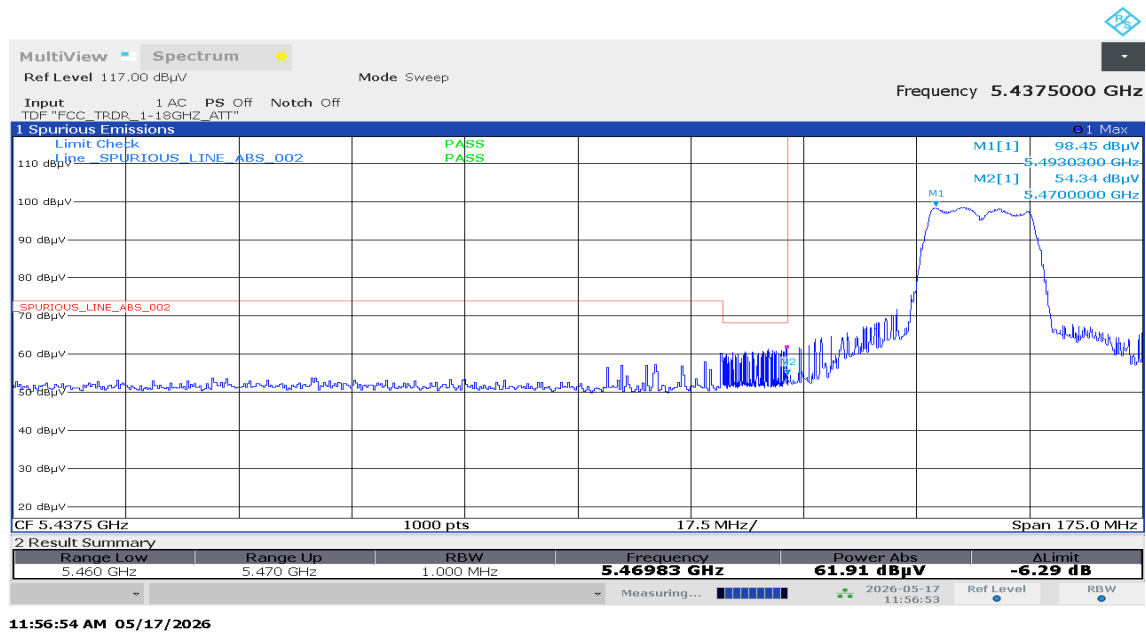
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

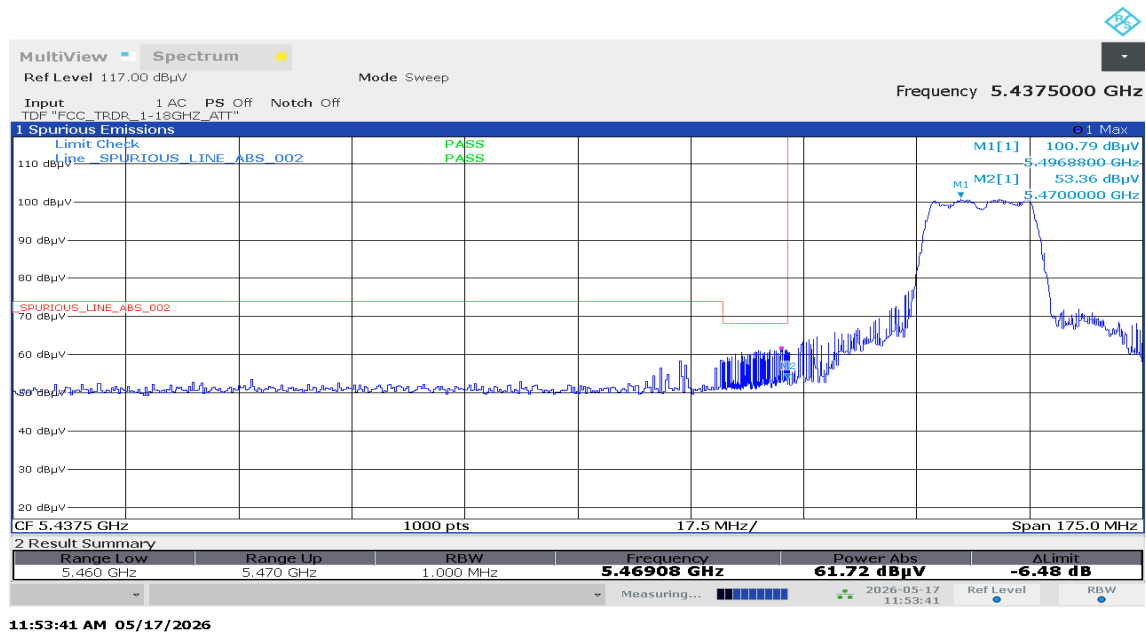
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
 Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
 Battery : - Charger : -
 Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
 Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
 Test Frequency (MHz) : 5700.0000 Softpot Power : 13.00
 Plane : Y-Plane Band : -
 Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
 2023+C63.10a-2024 +
 Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5725.0000	60.11	68.20	8.09
Horizontal	Peak	5725.0000	54.88	68.20	13.32
Vertical	Peak	5725.5490	60.43	68.20	7.77
Vertical	Peak	5726.0490	61.05	68.20	7.15
Vertical	Peak	5726.4490	61.56	68.20	6.64
Vertical	Peak	5727.2480	60.35	68.20	7.85
Vertical	Peak	5727.6470	61.47	68.20	6.73
Vertical	Peak	5728.9460	61.69	68.20	6.51
Vertical	Peak	5729.3460	60.43	68.20	7.77
Vertical	Peak	5729.6460	60.56	68.20	7.64
Vertical	Peak	5730.3450	60.45	68.20	7.75
Vertical	Peak	5741.3330	58.46	68.20	9.74

Temperature (°C) : 23.7 Humidity (%) : 68.9
 Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
 System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

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

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

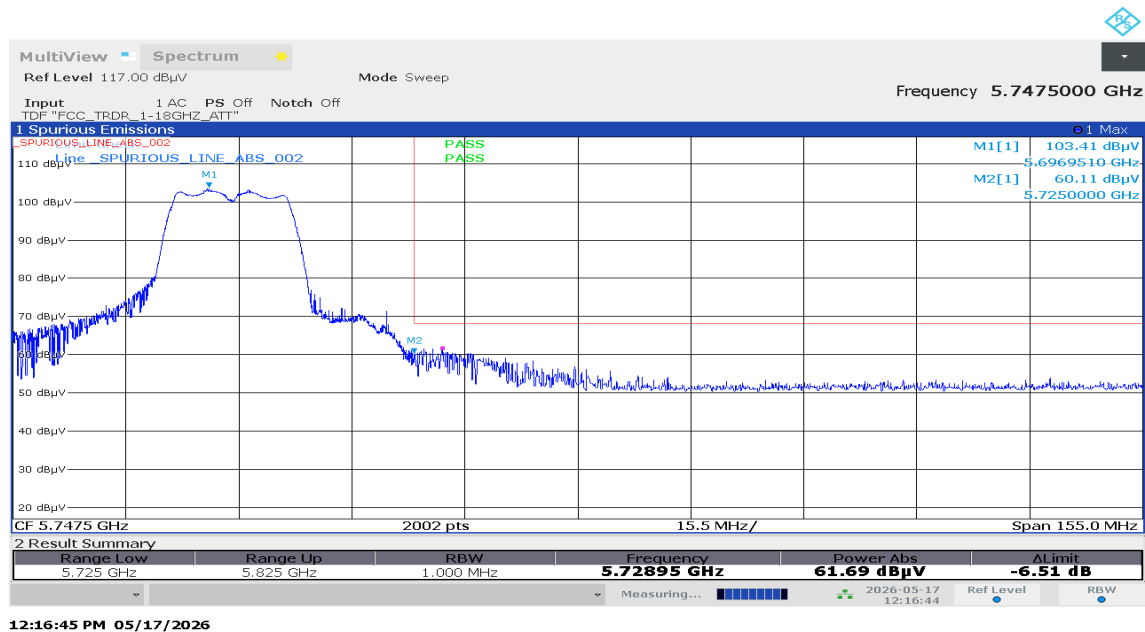
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5720.0000 Softpot Power : 15.00
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	Peak	5889.7500	59.85 *	94.28	34.43

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

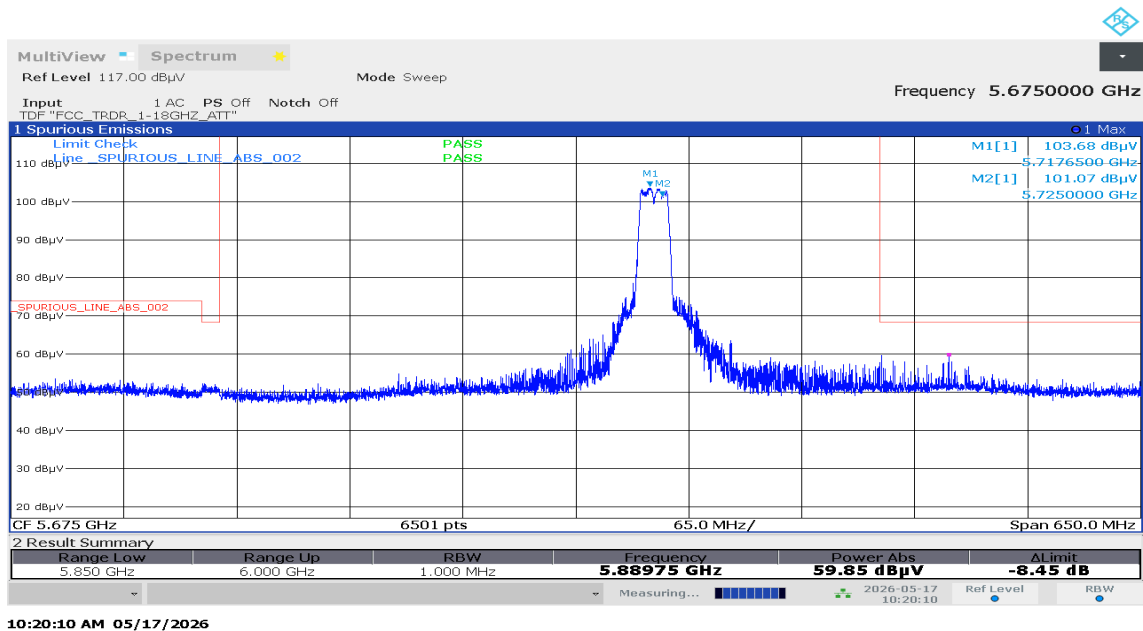
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

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

Restricted Band Edge (Peak,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID :	AZ492FT7191	IC :	109U-92FT7191
Model No :	AAM29QNN9YA1AN	Serial No :	008TCH0251
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5745.0000	Softpot Power :	12.00
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	5725.0000	54.93 *	122.20	67.27
Horizontal	Peak	5725.0000	56.40 *	122.20	65.80

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Fuad & Rezza	Test Date :	Tue, 19 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

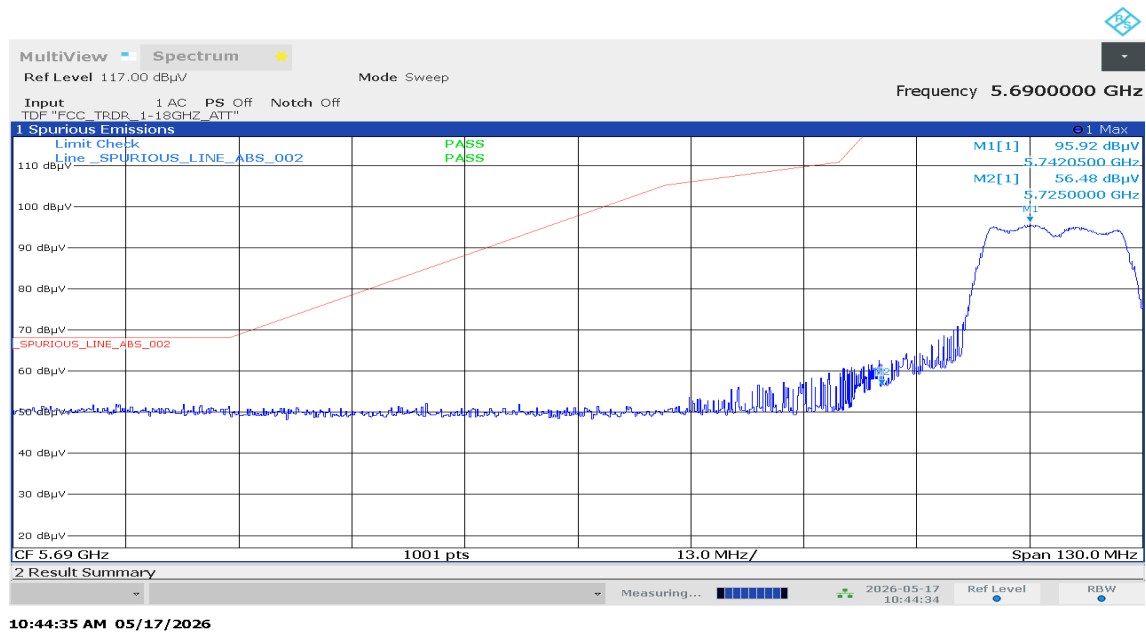
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

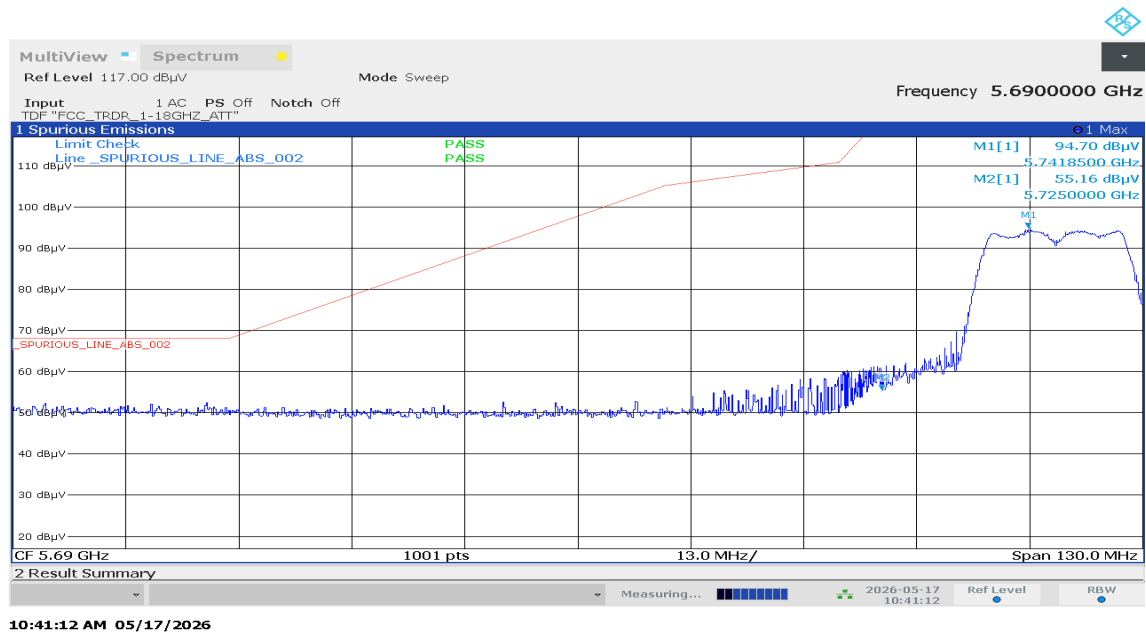
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID :	AZ492FT7191	IC :	109U-92FT7191
Model No :	AAM29QNN9YA1AN	Serial No :	008TCH0251
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5825.0000	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	5850.0000	62.31 *	122.20	59.89
Horizontal	Peak	5850.0000	62.68 *	122.20	59.52

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Fuad & Rezza	Test Date :	Tue, 19 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

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

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

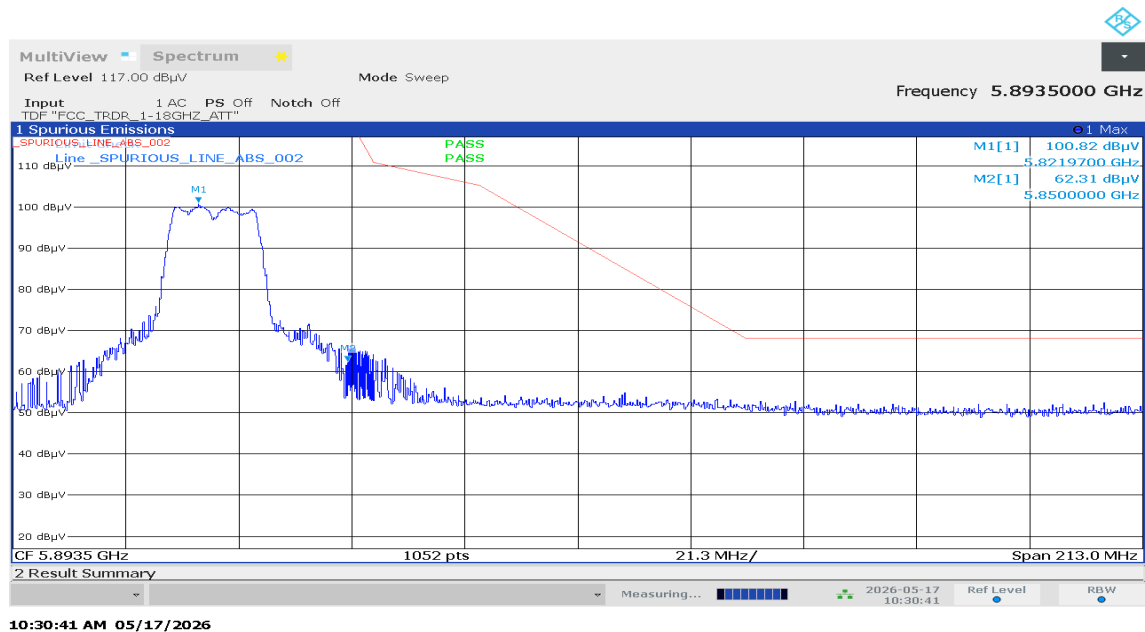
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



802.11n (HT20)

SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5180.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Average	5097.7770	42.02	54.00	11.98
Vertical	Average	5098.9760	42.02	54.00	11.98
Vertical	Average	5099.5750	42.03	54.00	11.97
Vertical	Average	5099.8750	42.03	54.00	11.97
Vertical	Average	5100.6250	42.03	54.00	11.97
Vertical	Average	5102.4220	42.14	54.00	11.86
Horizontal	Average	5140.4840	42.02	54.00	11.98
Horizontal	Average	5140.7840	42.07	54.00	11.93
Horizontal	Average	5141.5340	42.12	54.00	11.88
Horizontal	Average	5149.3260	42.56	54.00	11.44
Vertical	Average	5149.7750	45.13	54.00	8.87
Vertical	Average	5150.0000	45.30	54.00	8.70
Horizontal	Average	5150.0000	42.65	54.00	11.35
Vertical	Peak	5150.0000	62.44	74.00	11.56
Horizontal	Peak	5150.0000	58.28	74.00	15.72

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

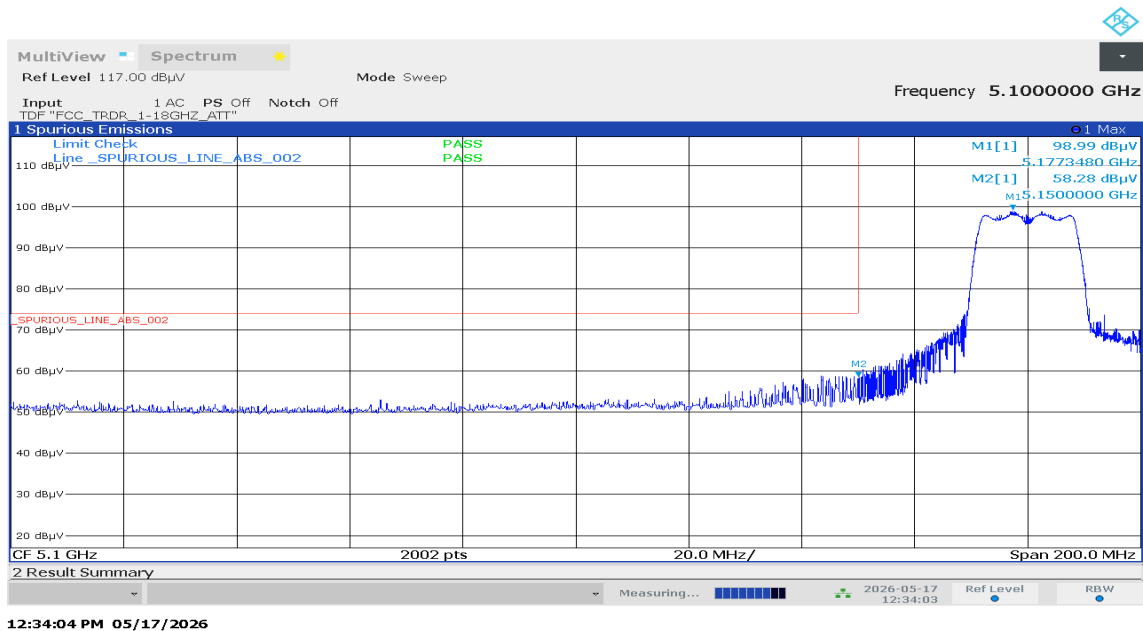
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

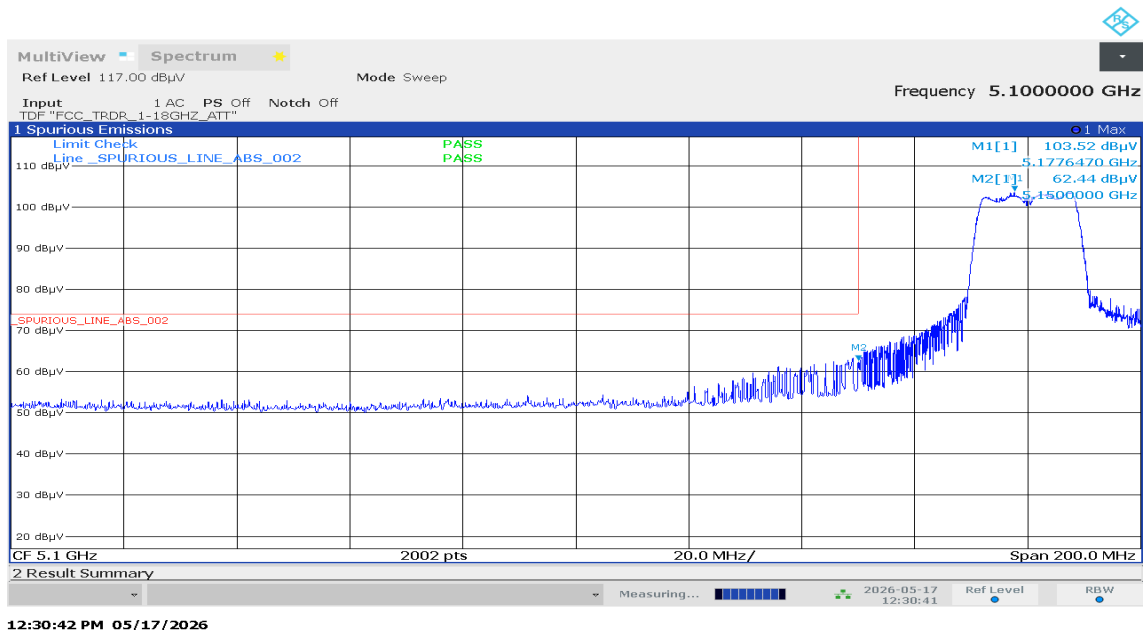
NOTE :

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

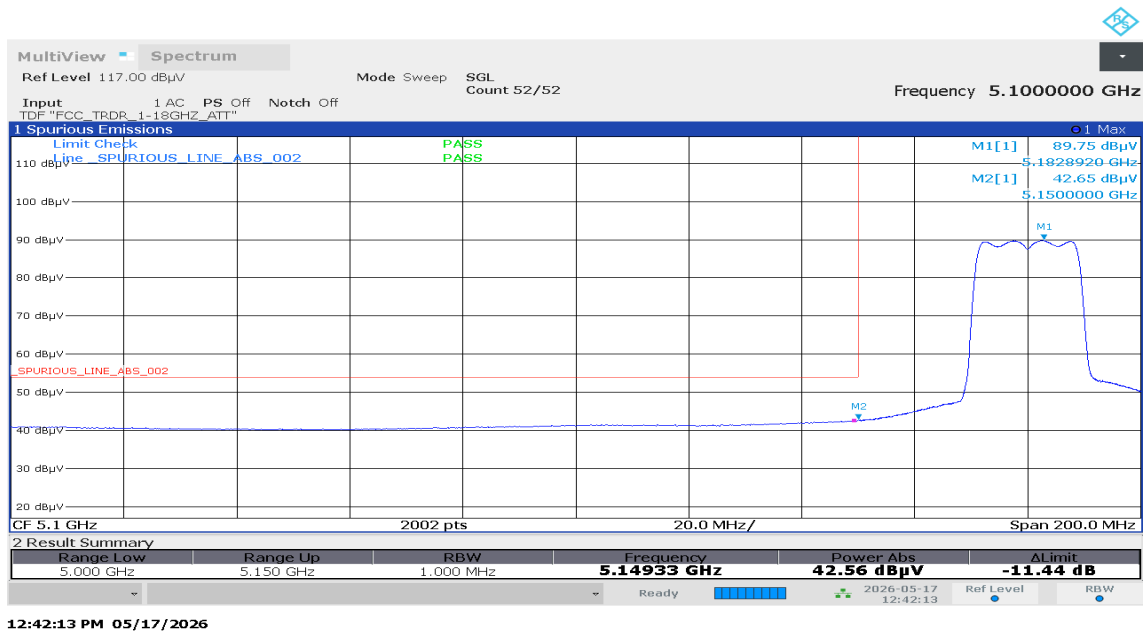
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5320.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5350.0000	43.76	54.00	10.24
Horizontal	Average	5350.0000	45.82	54.00	8.18
Vertical	Peak	5350.0000	61.30	74.00	12.70
Horizontal	Peak	5350.0000	60.50	74.00	13.50
Vertical	Average	5350.1750	43.83	54.00	10.17
Horizontal	Average	5350.6250	45.82	54.00	8.18
Vertical	Average	5371.7530	42.22	54.00	11.78
Vertical	Average	5375.7500	42.21	54.00	11.79
Vertical	Average	5380.2950	42.21	54.00	11.79
Vertical	Average	5381.1940	42.22	54.00	11.78
Vertical	Average	5384.3910	42.27	54.00	11.73
Vertical	Average	5385.9890	42.21	54.00	11.79
Vertical	Average	5391.1840	42.20	54.00	11.80
Vertical	Average	5393.4320	42.22	54.00	11.78
Vertical	Average	5398.0270	42.08	54.00	11.92

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

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

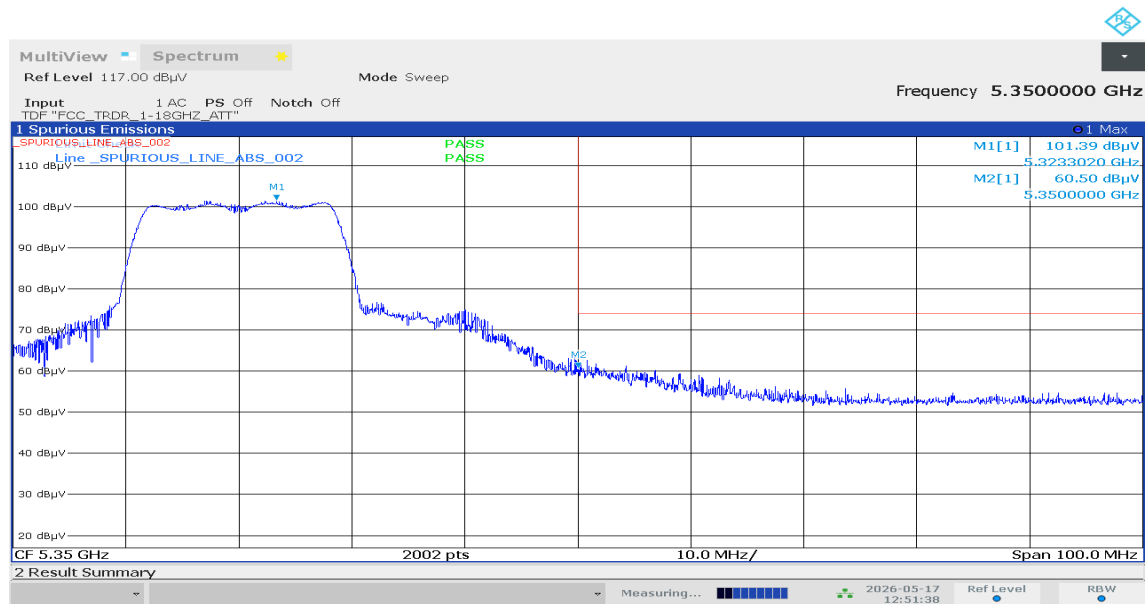
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

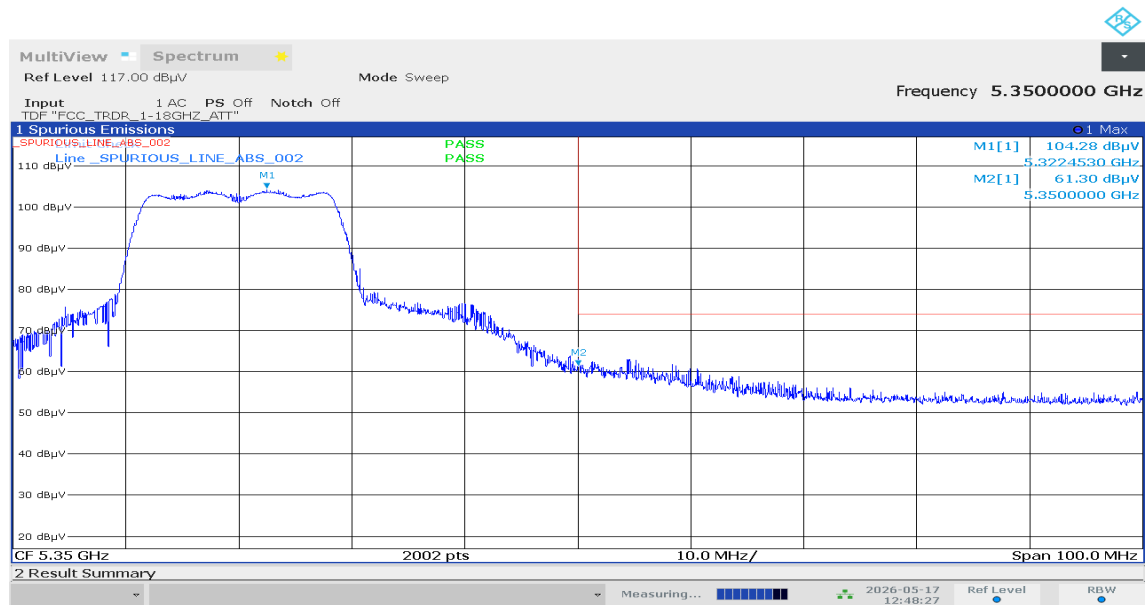
2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



12:51:38 PM 05/17/2026

Restricted Band Edge (Peak,Vertical)



12:48:27 PM 05/17/2026

Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID :	AZ492FT7191	IC :	109U-92FT7191
Model No :	AAM29QNN9YA1AN	Serial No :	008TCH0251
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5500.0000	Softpot Power :	12.00
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	5364.9870	42.10	54.00	11.90
Vertical	Average	5368.8370	42.08	54.00	11.92
Vertical	Average	5370.2120	42.11	54.00	11.89
Vertical	Average	5370.7630	42.03	54.00	11.97
Vertical	Average	5371.8620	42.05	54.00	11.95
Vertical	Average	5372.4130	42.06	54.00	11.94
Vertical	Average	5372.9620	42.07	54.00	11.93
Horizontal	Average	5389.7370	42.10	54.00	11.90
Horizontal	Average	5397.4380	42.07	54.00	11.93
Horizontal	Average	5397.9870	42.08	54.00	11.92
Vertical	Average	5398.5380	42.66	54.00	11.34
Horizontal	Average	5398.8130	42.25	54.00	11.75
Horizontal	Average	5399.3620	42.08	54.00	11.92
Horizontal	Average	5401.8370	42.07	54.00	11.93
Horizontal	Average	5403.2120	42.06	54.00	11.94
Horizontal	Average	5406.7880	42.20	54.00	11.80
Horizontal	Average	5408.9870	42.09	54.00	11.91
Horizontal	Average	5413.6630	42.03	54.00	11.97
Vertical	Average	5448.3130	42.20	54.00	11.80
Vertical	Average	5459.3130	42.36	54.00	11.64
Vertical	Average	5460.0250	42.10	54.00	11.90
Vertical	Average	5460.4750	42.09	54.00	11.91
Vertical	Average	5460.6750	42.08	54.00	11.92
Vertical	Average	5460.8250	42.00	54.00	12.00
Vertical	Average	5461.0750	42.07	54.00	11.93
Vertical	Average	5461.2250	42.07	54.00	11.93
Vertical	Average	5461.8250	42.05	54.00	11.95
Vertical	Average	5461.9750	42.05	54.00	11.95
Vertical	Average	5462.2750	42.04	54.00	11.96
Vertical	Peak	5463.7750	59.69	68.20	8.51

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5464.1750	60.00	68.20	8.20
Vertical	Peak	5465.9250	59.72	68.20	8.48
Vertical	Peak	5466.3750	59.61	68.20	8.59
Vertical	Peak	5466.5750	59.90	68.20	8.30
Vertical	Peak	5467.5250	59.61	68.20	8.59
Horizontal	Peak	5468.4750	58.48	68.20	9.72
Vertical	Peak	5468.5750	60.51	68.20	7.69
Horizontal	Peak	5468.6250	58.25	68.20	9.95
Horizontal	Peak	5468.9250	58.56	68.20	9.64
Horizontal	Peak	5469.1250	58.97	68.20	9.23
Horizontal	Peak	5469.2250	58.33	68.20	9.87
Vertical	Peak	5469.4250	59.80	68.20	8.40
Horizontal	Peak	5469.4250	58.24	68.20	9.96
Horizontal	Peak	5469.8250	58.76	68.20	9.44
Vertical	Average	5469.8750	43.10	54.00	10.90
Vertical	Peak	5469.8750	60.89	68.20	7.31
Vertical	Peak	5469.9750	58.93	68.20	9.27
Vertical	Average	5470.0000	43.35	54.00	10.65
Horizontal	Average	5470.0000	41.64	54.00	12.36
Vertical	Peak	5470.0000	51.78	68.20	16.42
Horizontal	Peak	5470.0000	51.72	68.20	16.48

Temperature (°C) : 23.7 Humidity (%) : 68.9
 Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
 System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

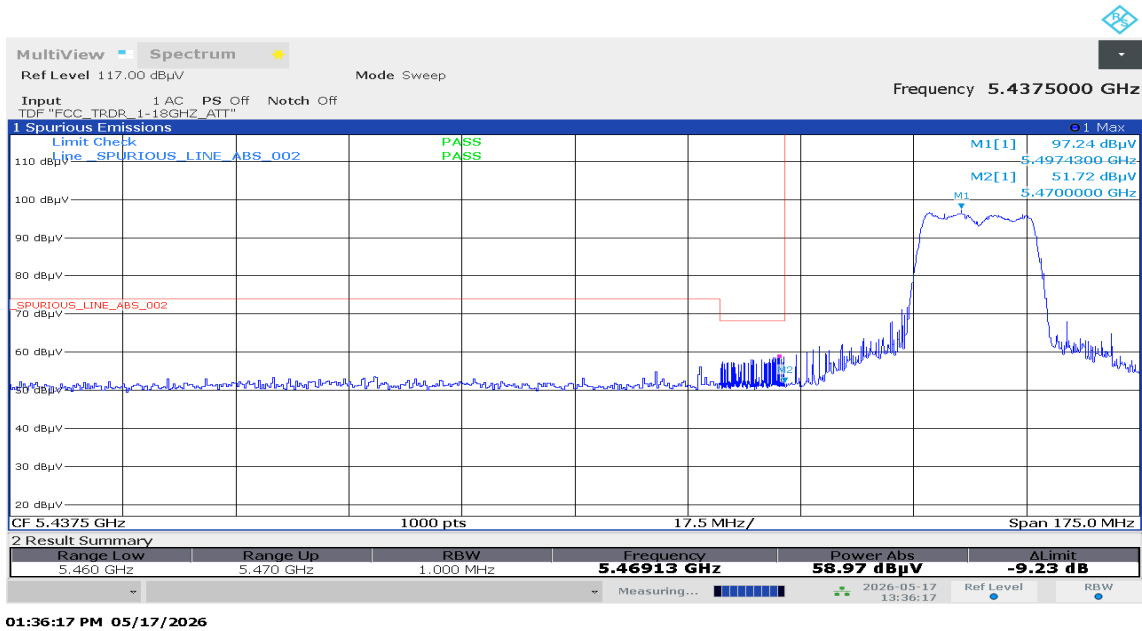
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

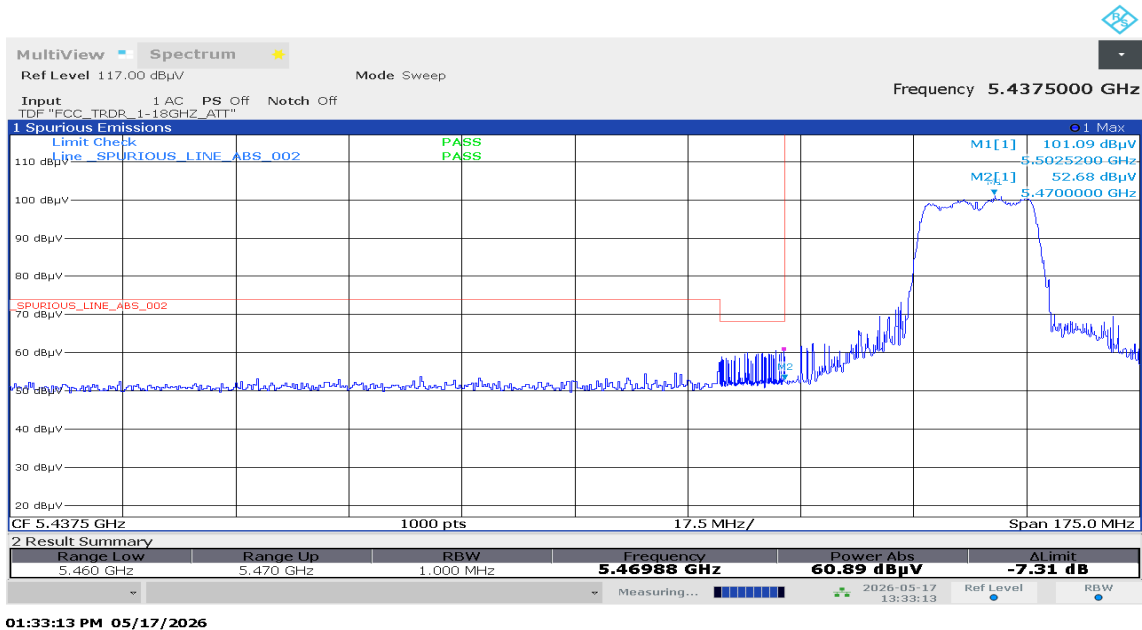
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



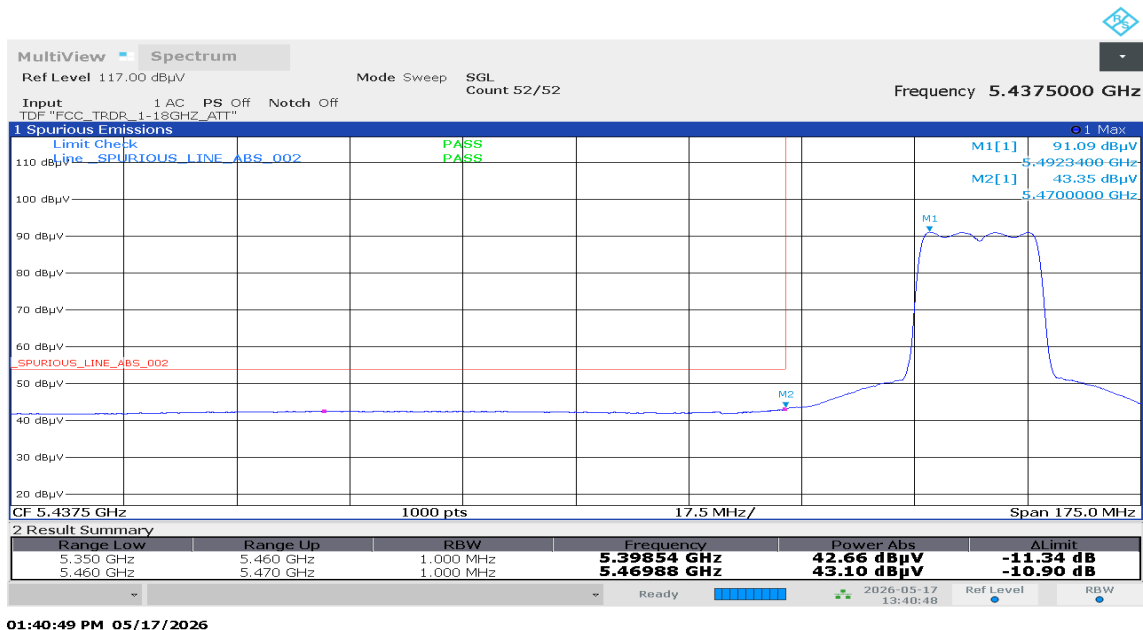
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5700.0000 Softpot Power : 12.00
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	Peak	5725.0000	56.89	68.20	11.31
Horizontal	Peak	5725.0000	50.45	68.20	17.75
Vertical	Peak	5725.1500	58.67	68.20	9.53
Vertical	Peak	5725.7500	59.02	68.20	9.18

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

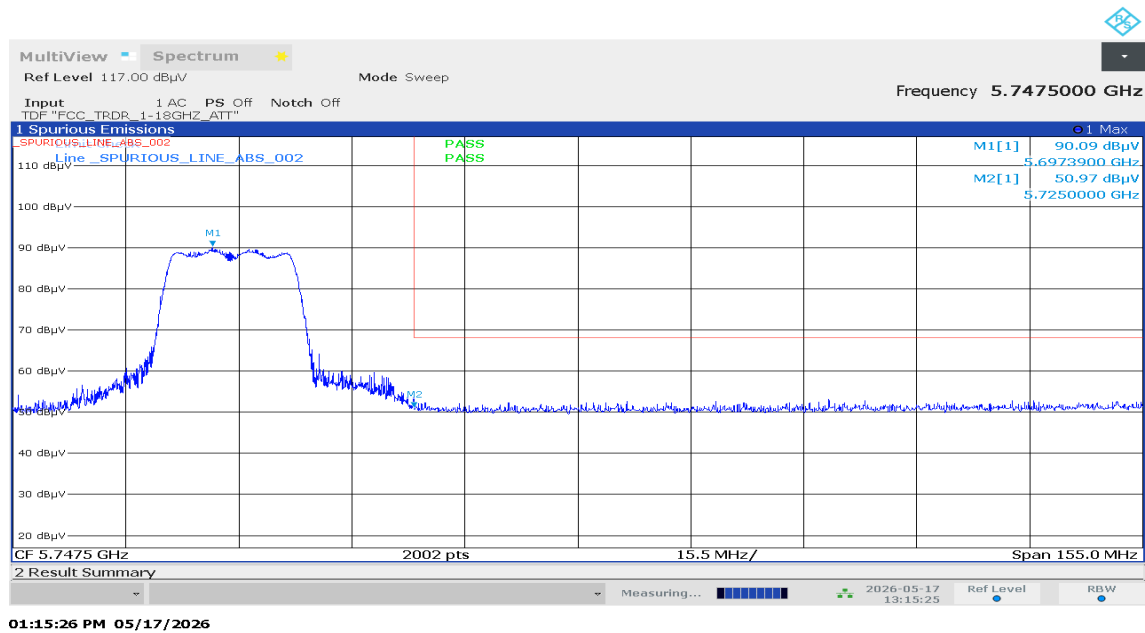
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

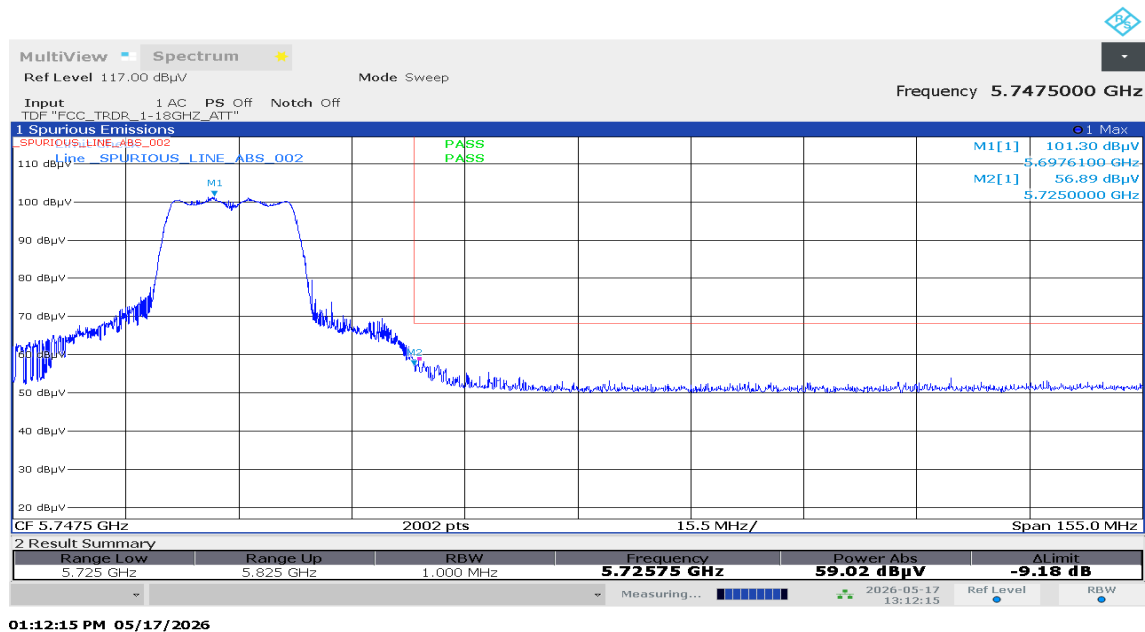
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5720.0000 Softpot Power : 13
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	Spur Level	Limit	Margin (dB)
Vertical	Peak	No Spurious Emission Detected			
Horizontal	Peak	No Spurious Emission Detected			

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : null

Remarks:

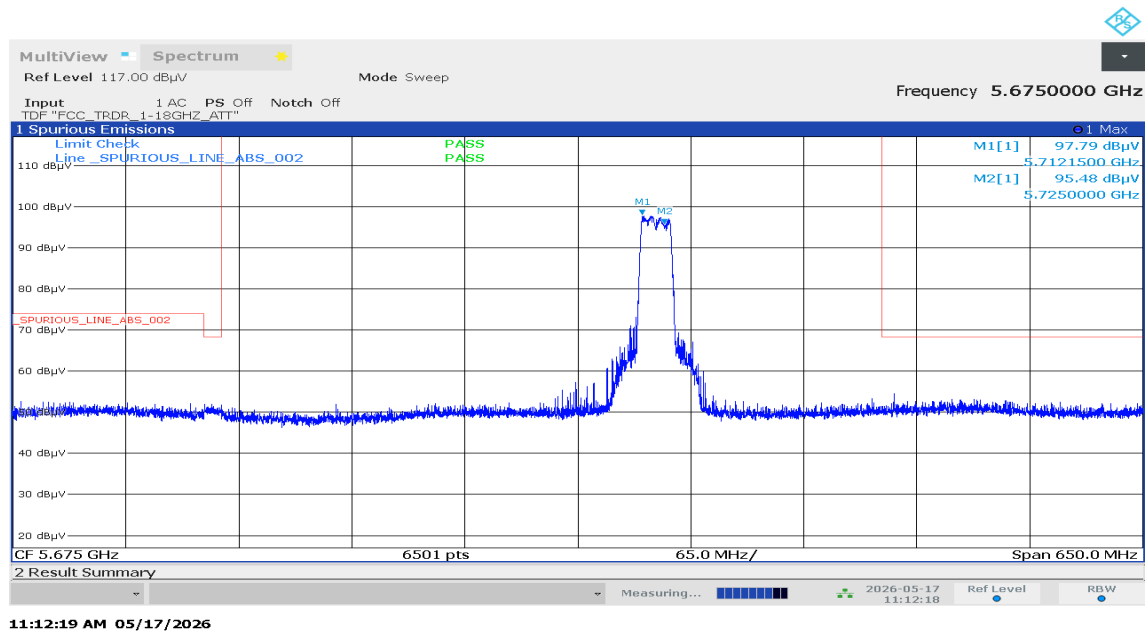
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

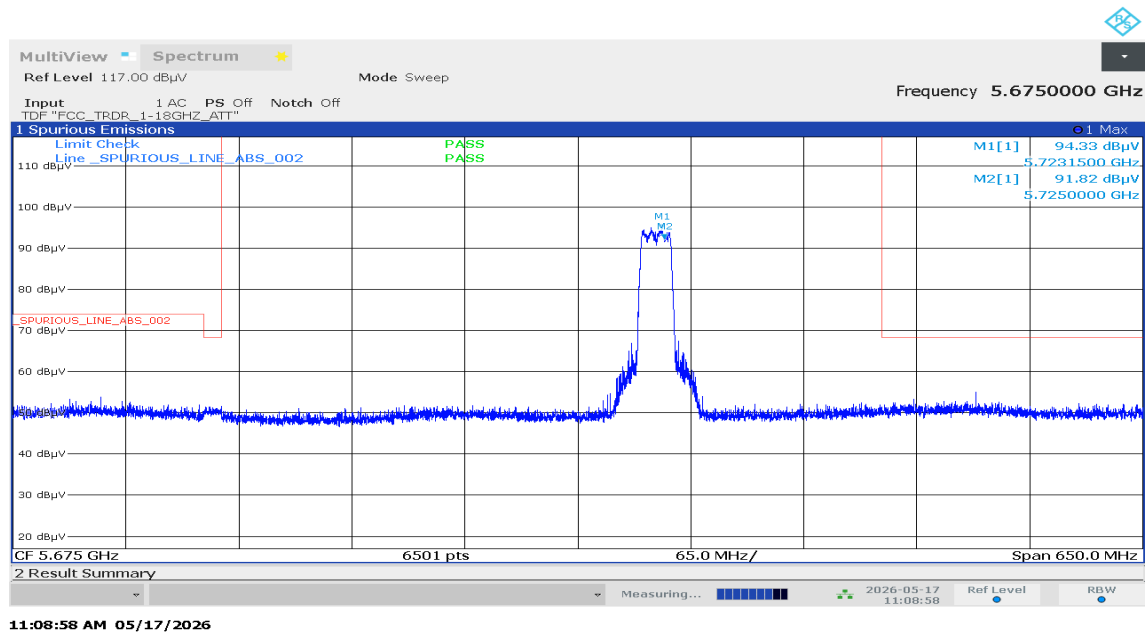
NOTE :

- 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)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID :	AZ492FT7191	IC :	109U-92FT7191
Model No :	AAM29QNN9YA1AN	Serial No :	008TCH0251
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5745.0000	Softpot Power :	12.00
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	5725.0000	60.45 *	122.20	61.75
Horizontal	Peak	5725.0000	58.27 *	122.20	63.93

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Fuad & Rezza	Test Date :	Tue, 19 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

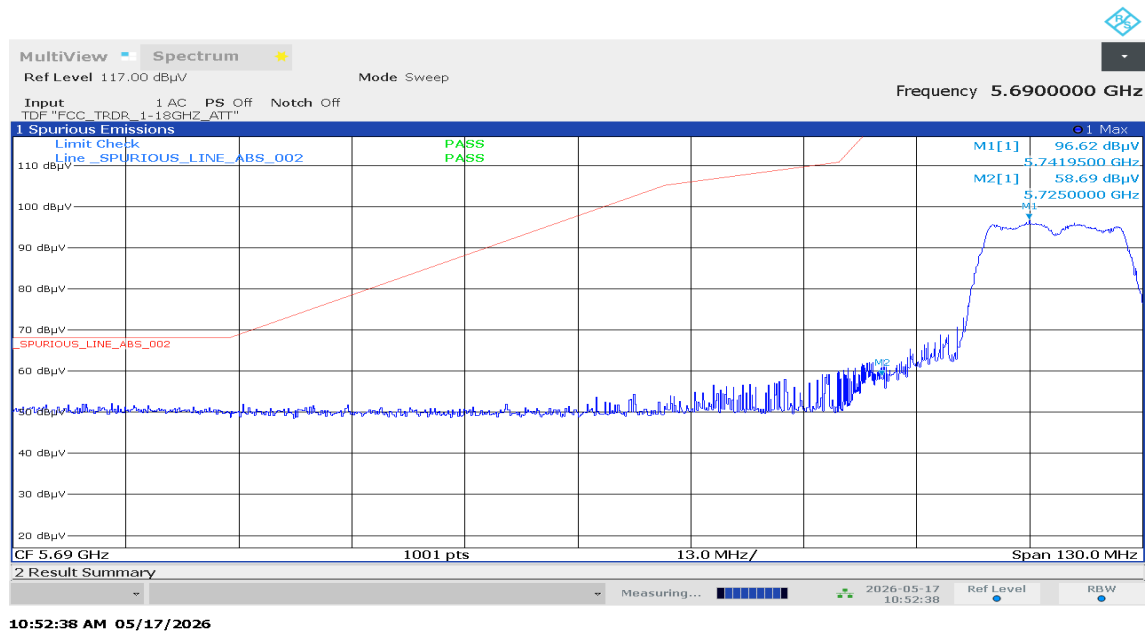
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

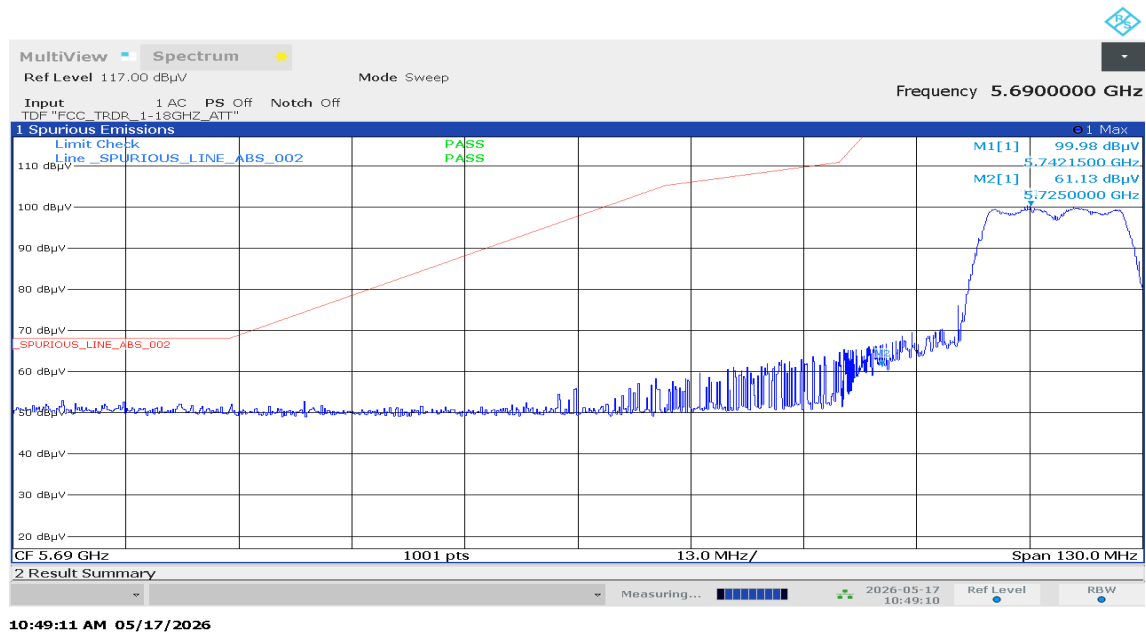
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5825.0000 Softpot Power : 12.00
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	Peak	5850.0000	52.62 *	122.20	69.58
Horizontal	Peak	5850.0000	52.81 *	122.20	69.39

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Tue, 19 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

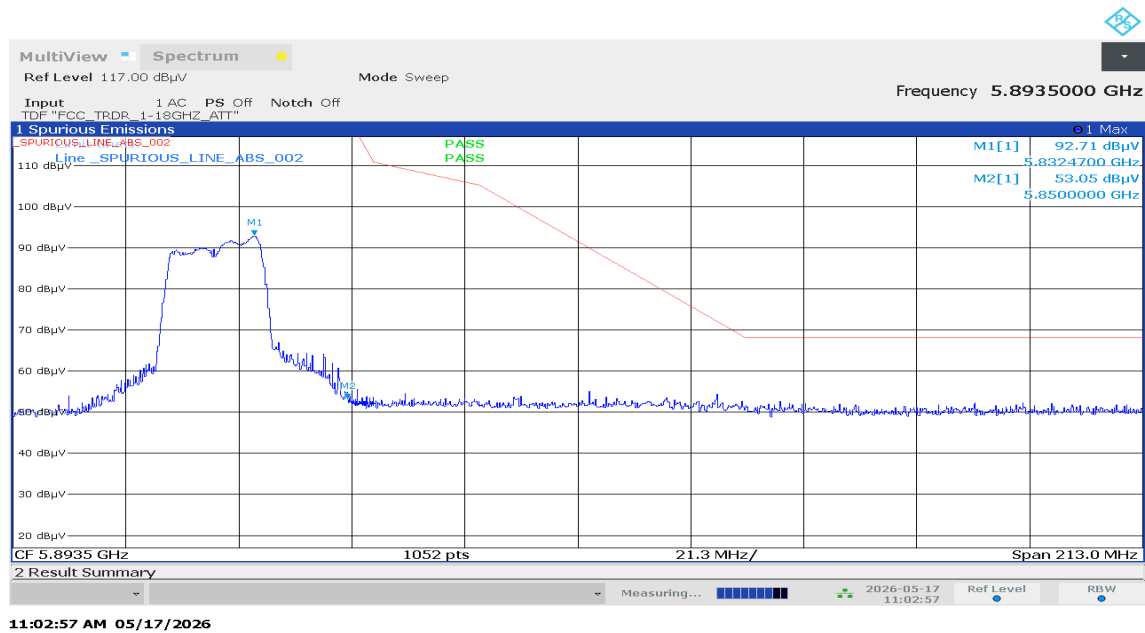
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

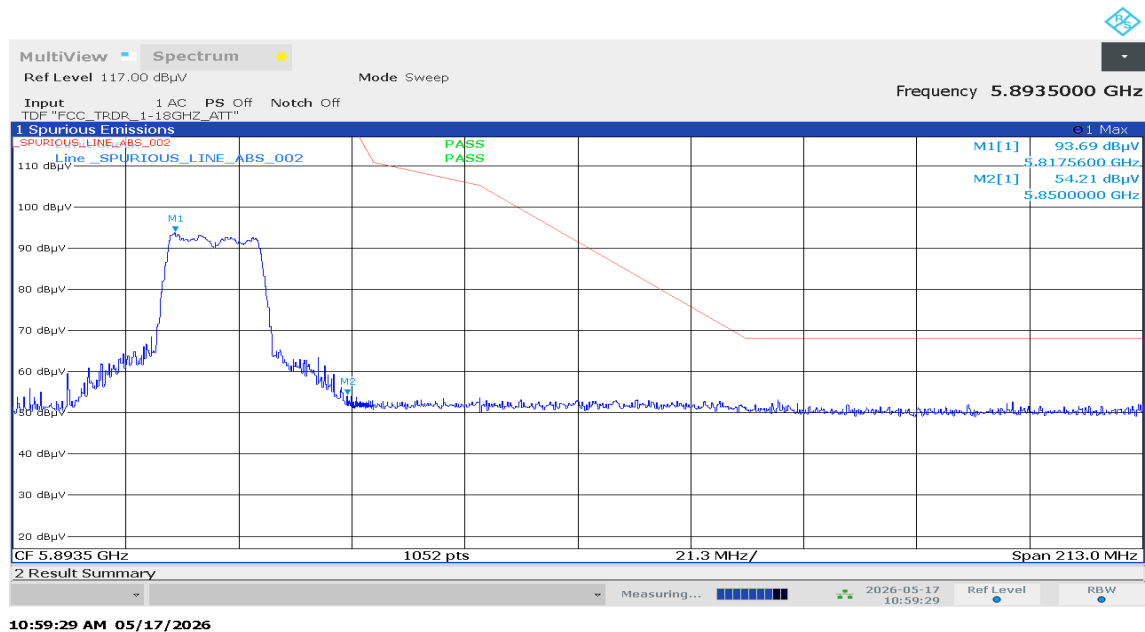
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



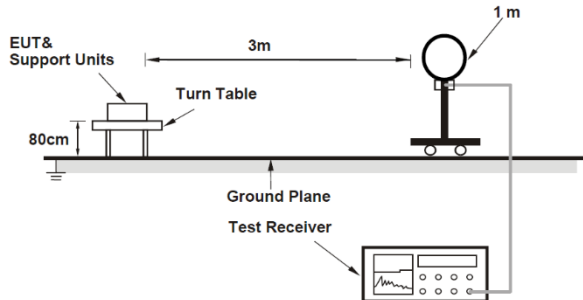
Restricted Band Edge (Peak,Vertical)



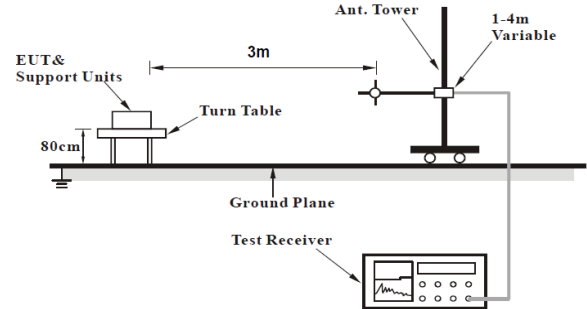
7.7. Radiated Spurious Emission Measurement

7.7.1. Test Setup

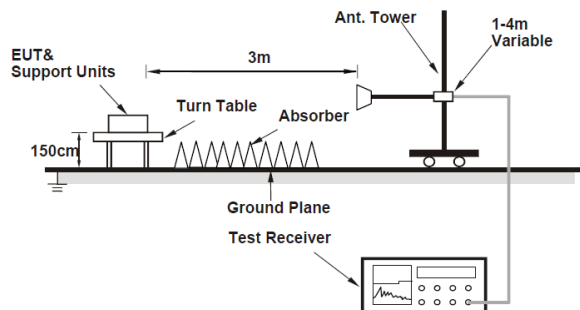
<Radiated emission below 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



1. The EUT is placed on the top of a rotating table 0.8m/1.5m above the ground at a 3m semi-anechoic chamber. The table is rotated 360 degrees to determine the position of the highest radiation.
2. The EUT is set 3m away from the interference-receiving antenna, which is mounted on the top of a variable-height antenna tower.
3. 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.
4. 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.
5. The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. 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.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection using reduced video bandwidth (Duty cycle $\geq 98\%$) at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $1/\tau$ Hz, where τ is minimum transmitter on time (Duty cycle $< 98\%$) for Average detection using reduced video bandwidth at frequency above 1GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7.7.2. Test Limits

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

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.

For Radiated emissions which fall out of the restricted bands must comply with the radiated emission limits specified as below table.

Applicable To		Limit	
789033 D02 General UNII Test Procedures New Rules v01r03		Field Strength at 3 m	
		PK: 74 (dBµV/m)	AV: 54 (dBµV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
5150-5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)
5250-5350 MHz	15.407(b)(2)		
5470-5725 MHz	15.407(b)(3)		
5725-5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2 (dBµV/m) ^{*1} PK:105.2 (dBµV/m) ^{*2} PK: 110.8 (dBµV/m) ^{*3} PK:122.2 (dBµV/m) ^{*4}
	15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
^{*1} beyond 75 MHz or more above of the band edge.			
^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.			
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.			
^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.			

NOTE:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = (1000000\sqrt{30P}) / 3 \text{ } \mu\text{V/m, where P is the eirp (Watts)}$$

7.7.3. Test Data

802.11a

SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5180.0000 Softpot Power : 15.00
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	Quasi-Peak	74.5670	31.94	40.00	8.06
Horizontal	Quasi-Peak	74.5700	30.92	40.00	9.08
Vertical	Quasi-Peak	106.6770	21.58 *	43.50	21.92
Horizontal	Quasi-Peak	106.7090	29.93	43.50	13.57
Vertical	Quasi-Peak	148.0930	27.39	43.50	16.11
Horizontal	Quasi-Peak	148.1080	26.70	43.50	16.80
Vertical	Quasi-Peak	226.8869	22.15 *	46.00	23.85
Horizontal	Quasi-Peak	226.8919	28.11	46.00	17.89
Horizontal	Quasi-Peak	249.9930	29.88	46.00	16.12
Vertical	Quasi-Peak	250.0230	18.50 *	46.00	27.50
Horizontal	Quasi-Peak	592.8010	25.26 *	46.00	20.74
Vertical	Quasi-Peak	592.8120	28.00	46.00	18.00
Vertical	Peak	4899.7010	49.62 *	74.00	24.38
Vertical	Average	4899.7010	32.32 *	54.00	21.68
Horizontal	Peak	4899.7970	52.83 *	74.00	21.17
Horizontal	Average	4899.7970	32.79 *	54.00	21.21

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

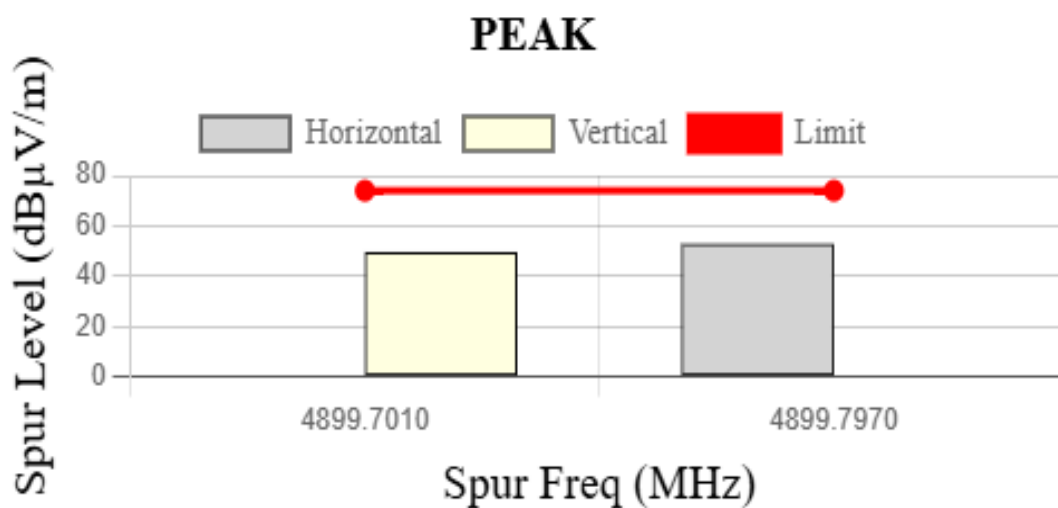
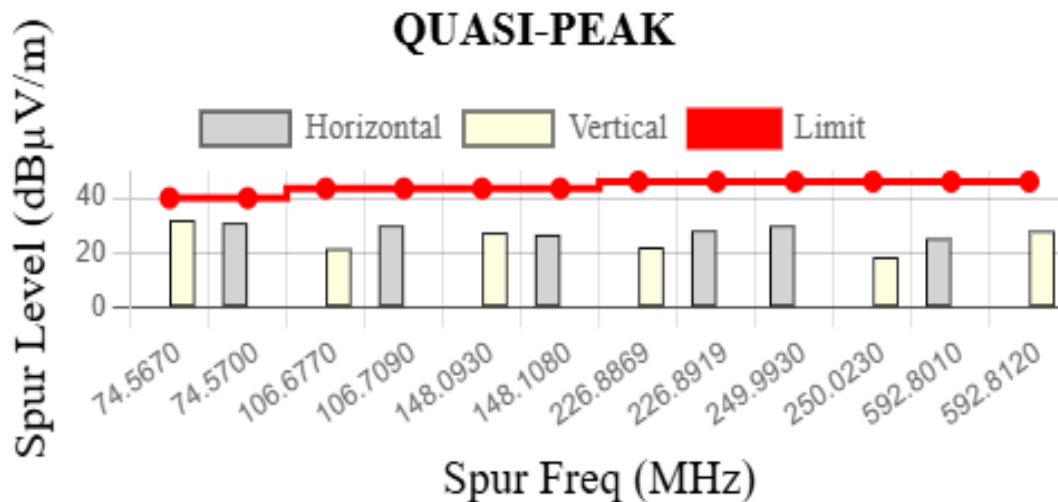
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

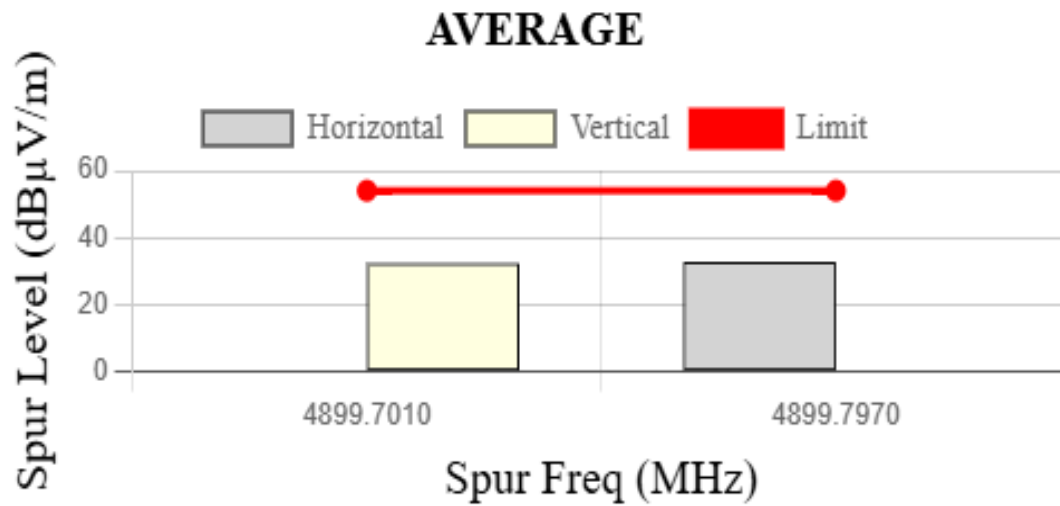
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5220.0000 Softpot Power : 15.00
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	Quasi-Peak	74.5370	30.99	40.00	9.01
Horizontal	Quasi-Peak	74.5889	29.83	40.00	10.17
Vertical	Quasi-Peak	77.1930	30.36	40.00	9.64
Horizontal	Quasi-Peak	77.2150	31.62	40.00	8.38
Horizontal	Quasi-Peak	106.6900	29.49	43.50	14.01
Vertical	Quasi-Peak	106.7100	22.57 *	43.50	20.93
Vertical	Quasi-Peak	148.1230	24.09	43.50	19.41
Horizontal	Quasi-Peak	148.1320	27.05	43.50	16.45
Vertical	Quasi-Peak	226.9139	22.11 *	46.00	23.89
Horizontal	Quasi-Peak	226.9159	28.62	46.00	17.38
Vertical	Quasi-Peak	249.9940	18.43 *	46.00	27.57
Horizontal	Quasi-Peak	250.0020	30.30	46.00	15.70
Vertical	Peak	4892.0910	57.26	74.00	16.74
Vertical	Average	4892.0910	37.04	54.00	16.96
Horizontal	Peak	4892.5620	48.80 *	74.00	25.20
Horizontal	Average	4892.5620	30.88 *	54.00	23.12

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

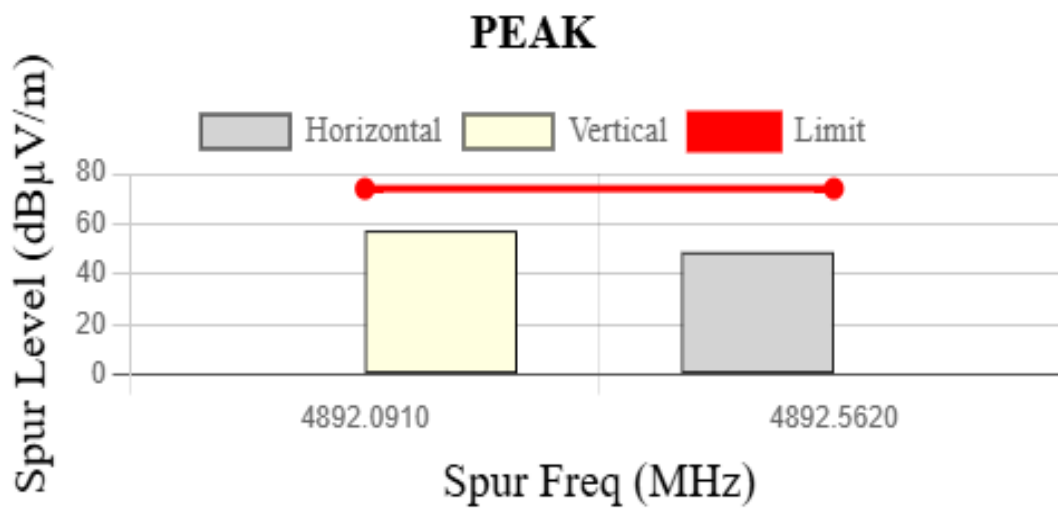
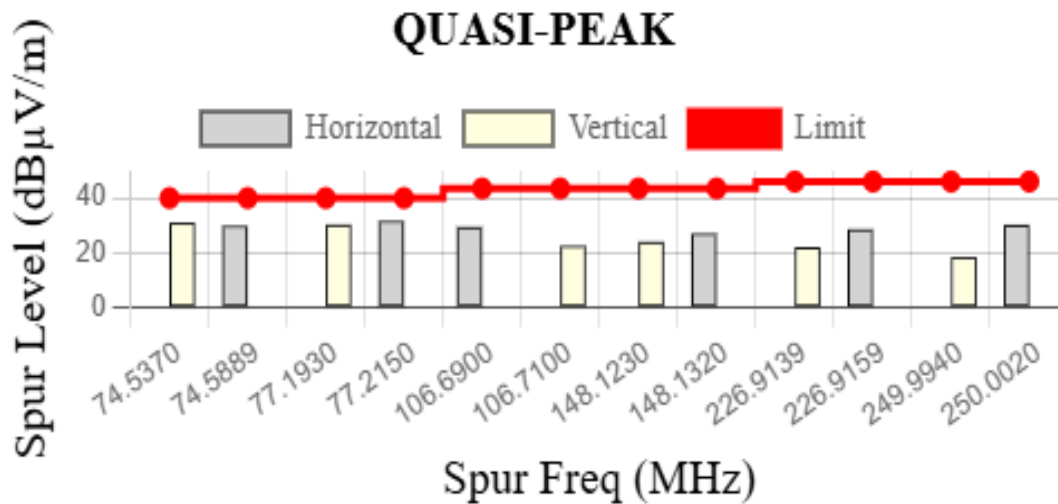
Remarks:

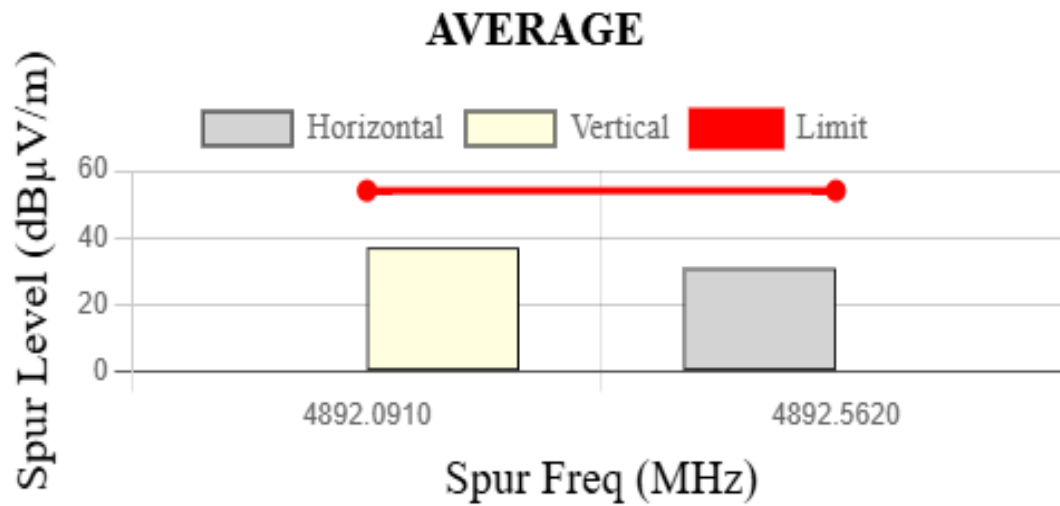
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5240.0000 Softpot Power : 15.00
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	Quasi-Peak	74.5500	31.22	40.00	8.78
Horizontal	Quasi-Peak	74.5610	31.10	40.00	8.90
Vertical	Quasi-Peak	106.7050	26.41	43.50	17.09
Horizontal	Quasi-Peak	106.7120	29.61	43.50	13.89
Vertical	Quasi-Peak	148.1090	27.41	43.50	16.09
Horizontal	Quasi-Peak	148.1090	26.16	43.50	17.34
Vertical	Quasi-Peak	226.8919	16.45 *	46.00	29.55
Horizontal	Quasi-Peak	226.8969	29.03	46.00	16.97
Vertical	Quasi-Peak	249.9920	20.19 *	46.00	25.81
Horizontal	Quasi-Peak	250.0130	30.34	46.00	15.66
Vertical	Quasi-Peak	592.8050	26.51	46.00	19.49
Horizontal	Quasi-Peak	592.8190	27.75	46.00	18.25
Horizontal	Peak	4900.7890	49.82 *	74.00	24.18
Horizontal	Average	4900.7890	32.78 *	54.00	21.22
Vertical	Peak	4901.3810	52.27 *	74.00	21.73
Vertical	Average	4901.3810	34.26	54.00	19.74
Vertical	Peak	5084.7620	48.53 *	74.00	25.47
Vertical	Average	5084.7620	34.90	54.00	19.10
Horizontal	Peak	5084.9540	46.58 *	74.00	27.42
Horizontal	Average	5084.9540	32.43 *	54.00	21.57

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

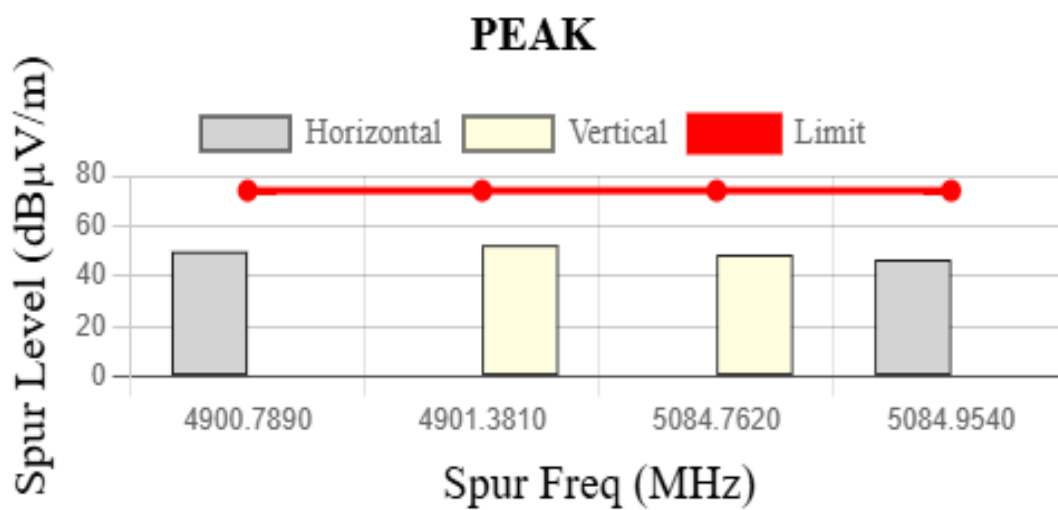
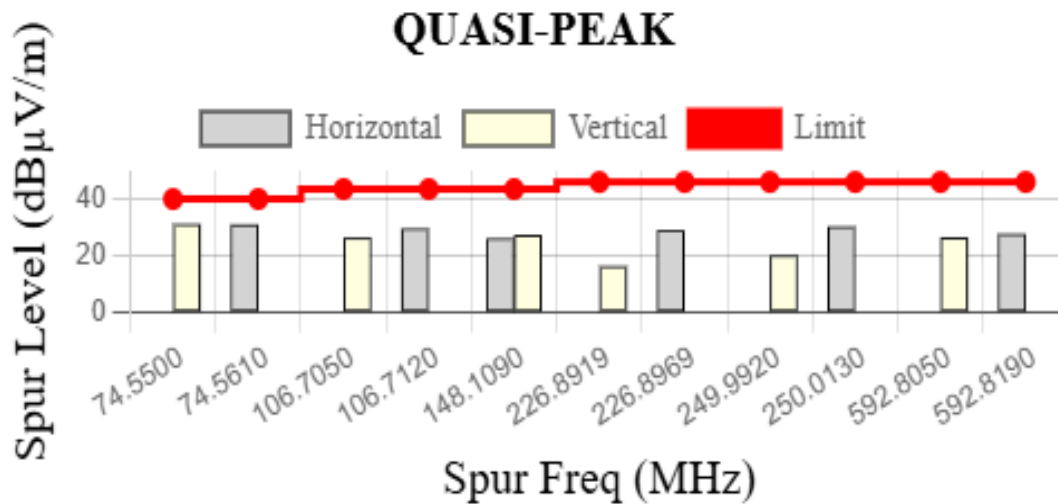
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

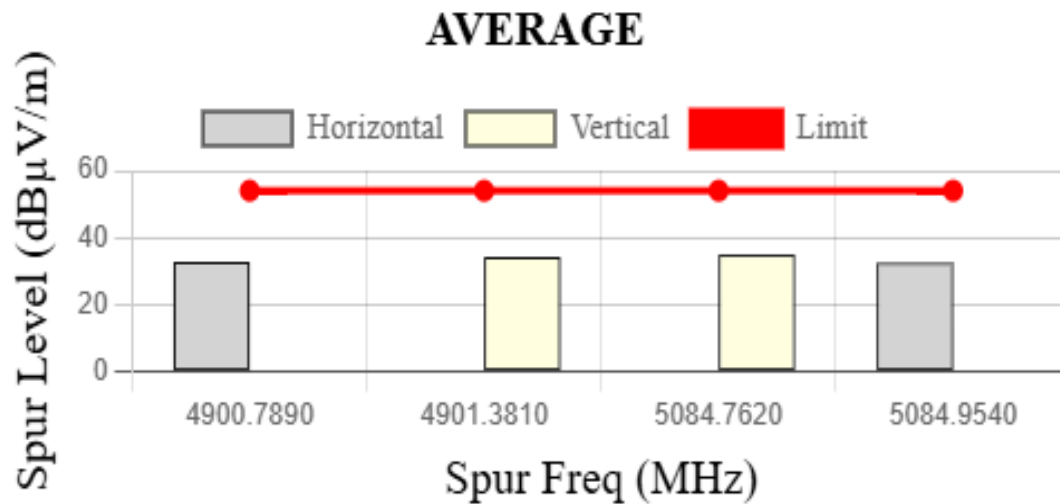
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
 Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
 Battery : - Charger : -
 Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
 Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
 Test Frequency (MHz) : 5260.0000 Softpot Power : 15.00
 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	Quasi-Peak	74.5630	30.75	40.00	9.25
Horizontal	Quasi-Peak	74.5800	30.54	40.00	9.46
Horizontal	Quasi-Peak	77.2020	32.08	40.00	7.92
Vertical	Quasi-Peak	77.2230	30.17	40.00	9.83
Horizontal	Quasi-Peak	106.7060	27.10	43.50	16.40
Vertical	Quasi-Peak	106.7120	26.43	43.50	17.07
Vertical	Quasi-Peak	148.1120	27.32	43.50	16.18
Horizontal	Quasi-Peak	148.1120	27.47	43.50	16.03
Vertical	Quasi-Peak	226.8969	16.04 *	46.00	29.96
Horizontal	Quasi-Peak	226.9049	27.50	46.00	18.50
Vertical	Quasi-Peak	250.0000	18.86 *	46.00	27.14
Horizontal	Quasi-Peak	250.0110	30.65	46.00	15.35
Horizontal	Peak	4908.3750	50.79 *	74.00	23.21
Horizontal	Average	4908.3750	30.68 *	54.00	23.32
Vertical	Peak	4908.9300	52.68 *	74.00	21.32
Vertical	Average	4908.9300	32.40 *	54.00	21.60
Horizontal	Peak	5003.1850	45.47 *	74.00	28.53
Horizontal	Average	5003.1850	31.93 *	54.00	22.07
Vertical	Peak	5003.7180	44.09 *	74.00	29.91
Vertical	Average	5003.7180	30.24 *	54.00	23.76

Temperature (°C) : 23.7 Humidity (%) : 68.9
 Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
 System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

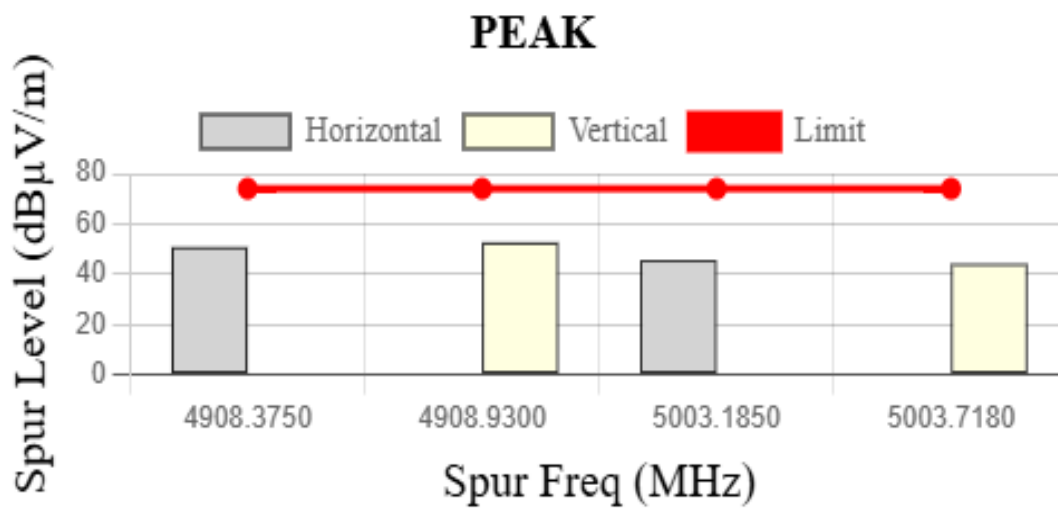
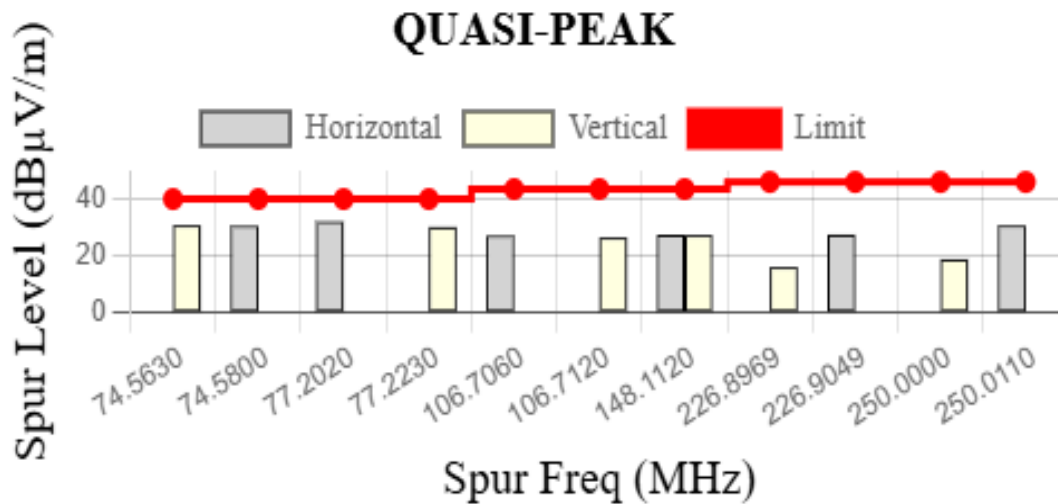
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

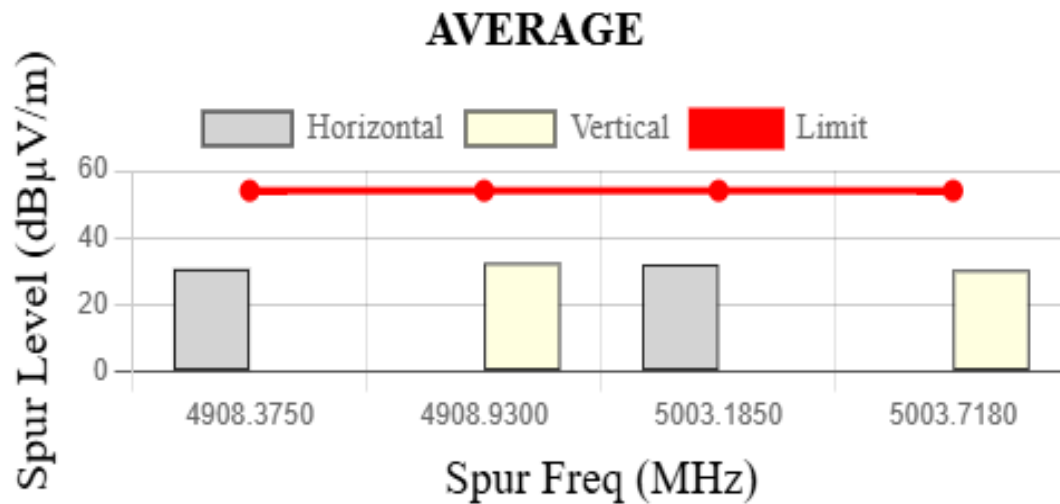
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5300.0000 Softpot Power : 15.00
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)
Horizontal	Quasi-Peak	74.5590	30.42	40.00	9.58
Vertical	Quasi-Peak	74.5740	31.23	40.00	8.77
Horizontal	Quasi-Peak	106.7140	29.89	43.50	13.61
Vertical	Quasi-Peak	106.7369	25.82	43.50	17.68
Horizontal	Quasi-Peak	148.1100	26.94	43.50	16.56
Vertical	Quasi-Peak	148.1220	27.49	43.50	16.01
Vertical	Quasi-Peak	226.8520	21.82 *	46.00	24.18
Horizontal	Quasi-Peak	226.9069	28.78	46.00	17.22
Horizontal	Quasi-Peak	250.0110	30.29	46.00	15.71
Vertical	Quasi-Peak	250.0190	21.66 *	46.00	24.34
Horizontal	Quasi-Peak	592.8080	27.32	46.00	18.68
Vertical	Quasi-Peak	592.8180	25.57 *	46.00	20.43
Vertical	Peak	4874.5380	50.07 *	74.00	23.93
Vertical	Average	4874.5380	31.19 *	54.00	22.81
Horizontal	Peak	4874.7780	51.47 *	74.00	22.53
Horizontal	Average	4874.7780	31.80 *	54.00	22.20

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

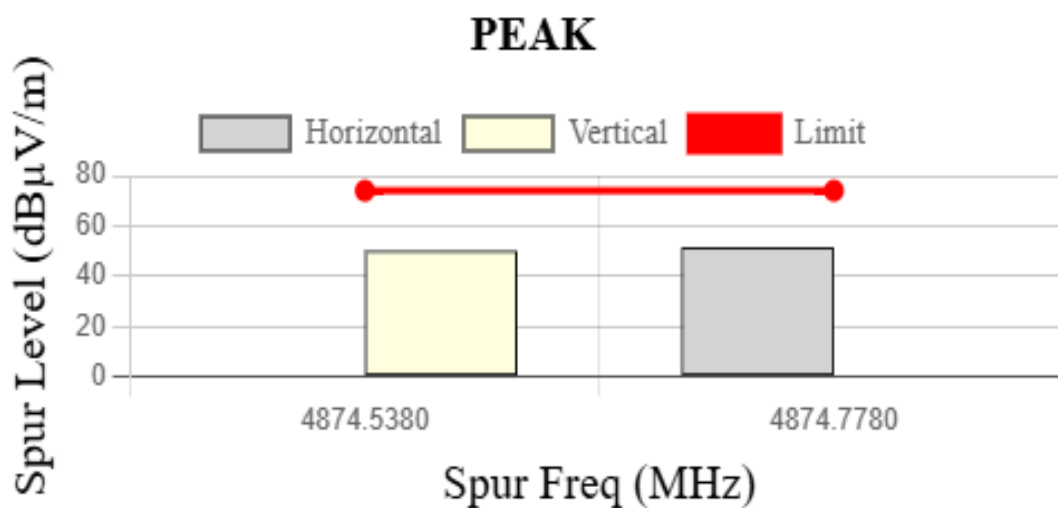
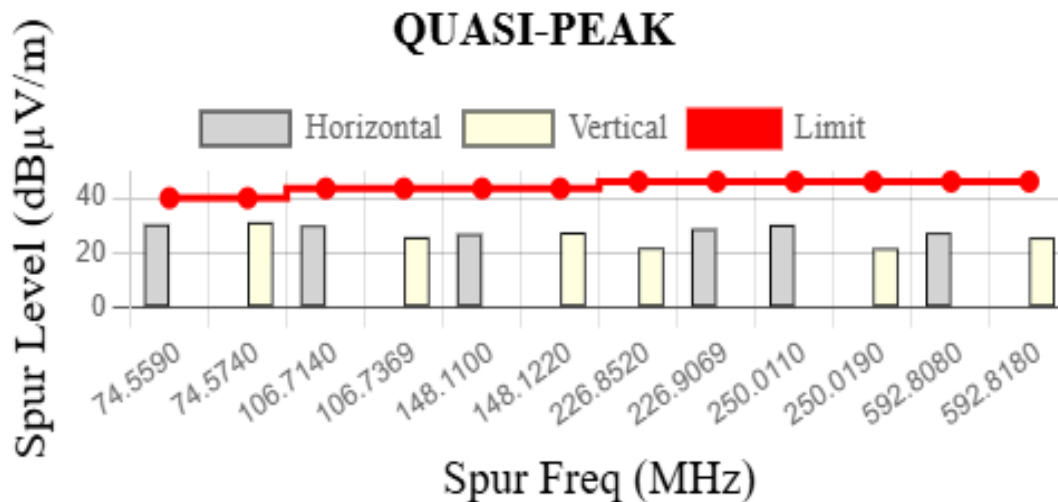
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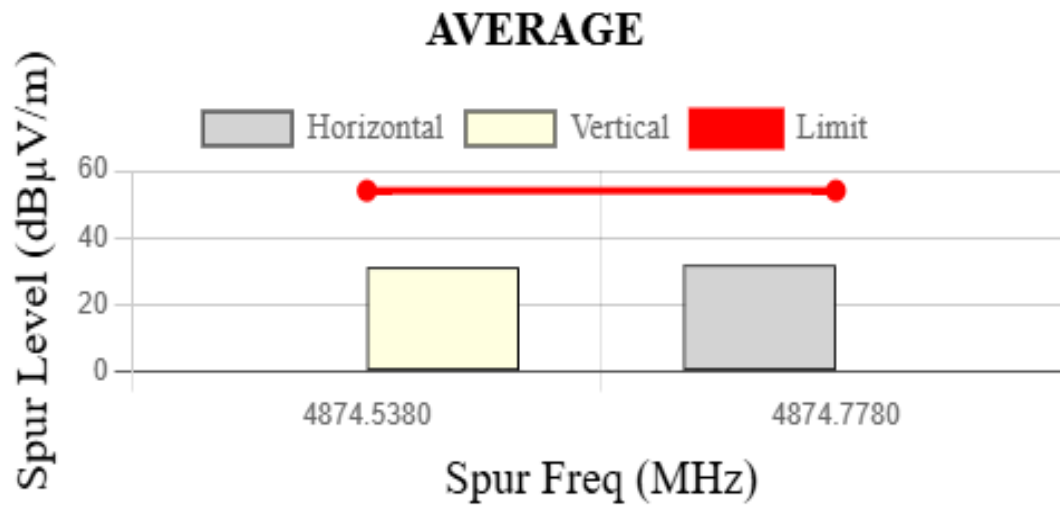
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
 Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
 Battery : - Charger : -
 Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
 Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
 Test Frequency (MHz) : 5320.0000 Softpot Power : 14.00
 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)
Horizontal	Quasi-Peak	74.5540	31.00	40.00	9.00
Vertical	Quasi-Peak	74.5909	31.20	40.00	8.80
Horizontal	Quasi-Peak	77.1870	31.58	40.00	8.42
Vertical	Quasi-Peak	77.2010	30.01	40.00	9.99
Vertical	Quasi-Peak	104.7480	26.99	43.50	16.51
Horizontal	Quasi-Peak	104.7500	30.13	43.50	13.37
Vertical	Quasi-Peak	148.0990	27.83	43.50	15.67
Horizontal	Quasi-Peak	148.1200	26.40	43.50	17.10
Vertical	Quasi-Peak	226.9139	22.92 *	46.00	23.08
Horizontal	Quasi-Peak	226.9289	27.79	46.00	18.21
Horizontal	Quasi-Peak	249.9990	30.13	46.00	15.87
Vertical	Quasi-Peak	250.0419	15.83 *	46.00	30.17
Horizontal	Peak	4911.4160	48.20 *	74.00	25.80
Horizontal	Average	4911.4160	31.66 *	54.00	22.34
Vertical	Peak	4911.5870	54.61	74.00	19.39
Vertical	Average	4911.5870	34.42	54.00	19.58
Horizontal	Peak	5445.5690	45.65 *	74.00	28.35
Horizontal	Average	5445.5690	31.56 *	54.00	22.44
Vertical	Peak	5445.9940	44.42 *	74.00	29.58
Vertical	Average	5445.9940	30.98 *	54.00	23.02
Horizontal	Peak	5909.2480	46.63 *	68.20	21.57
Vertical	Peak	5909.7270	49.17	68.20	19.03

Temperature (°C) : 23.7 Humidity (%) : 68.9
 Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
 System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

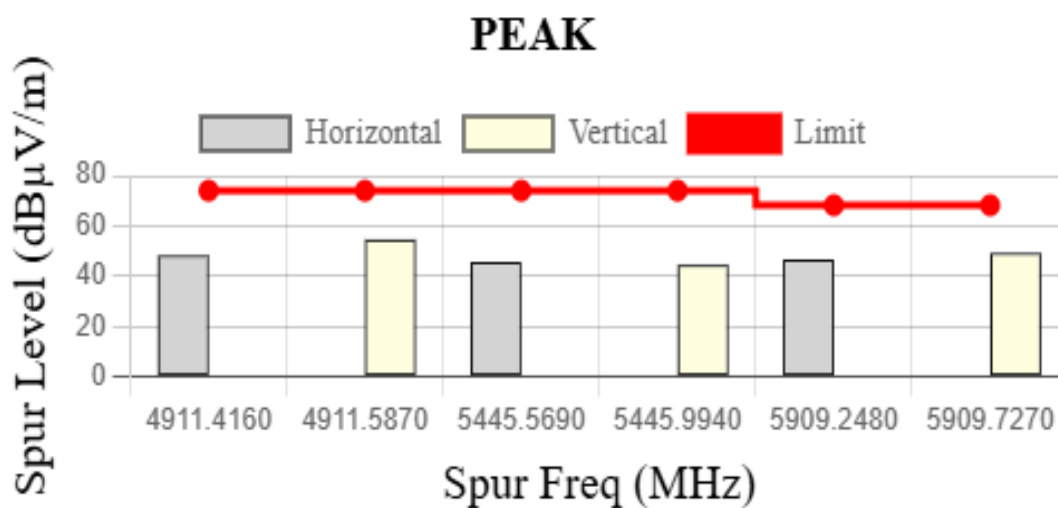
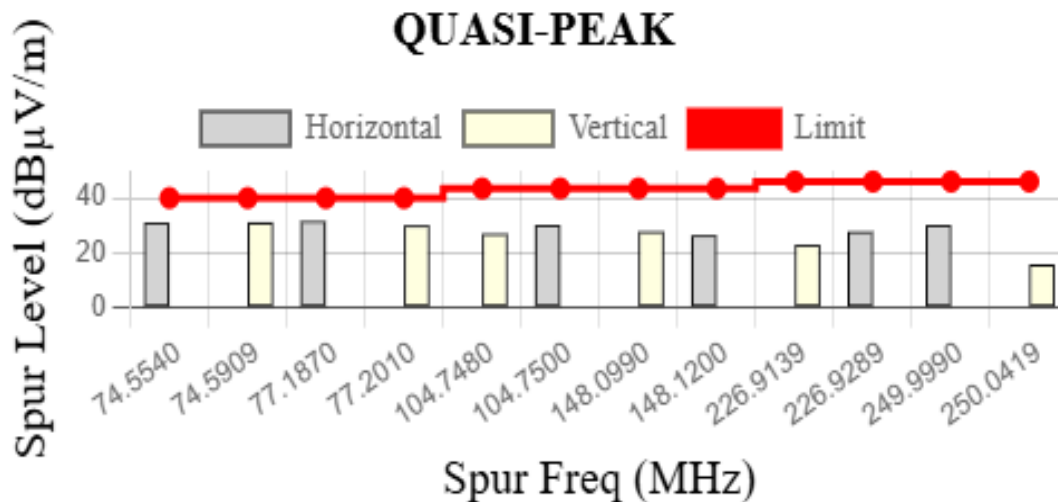
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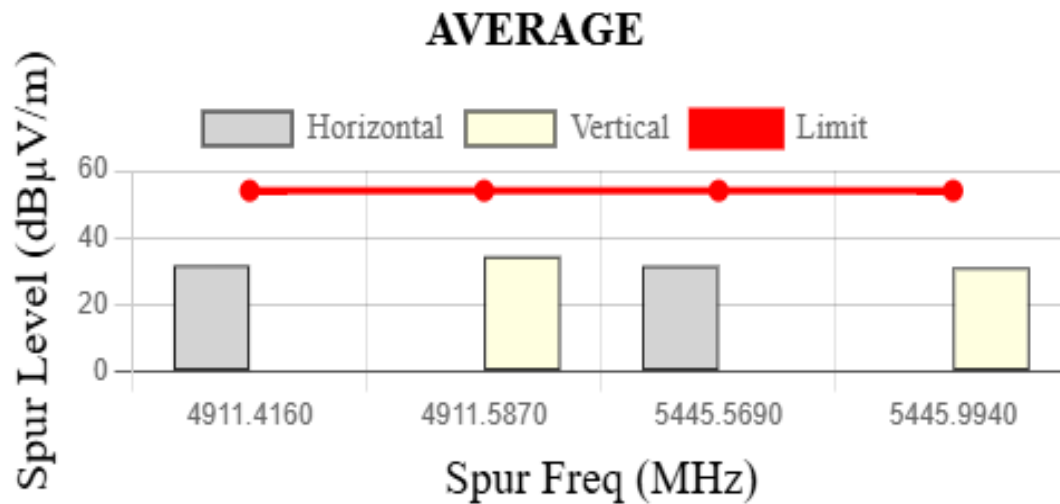
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5500.0000 Softpot Power : 14.00
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)
Horizontal	Quasi-Peak	74.5550	30.87	40.00	9.13
Vertical	Quasi-Peak	74.5640	31.94	40.00	8.06
Horizontal	Quasi-Peak	77.1910	31.75	40.00	8.25
Vertical	Quasi-Peak	77.1940	30.97	40.00	9.03
Vertical	Quasi-Peak	106.6535	25.03	43.50	18.47
Horizontal	Quasi-Peak	106.6675	28.30	43.50	15.20
Horizontal	Quasi-Peak	148.0770	26.42	43.50	17.08
Vertical	Quasi-Peak	148.1190	27.56	43.50	15.94
Horizontal	Quasi-Peak	226.8879	28.27	46.00	17.73
Vertical	Quasi-Peak	226.8909	15.48 *	46.00	30.52
Horizontal	Quasi-Peak	250.0120	30.08	46.00	15.92
Vertical	Quasi-Peak	250.0220	18.25 *	46.00	27.75
Horizontal	Peak	4125.3100	42.58 *	74.00	31.42
Horizontal	Average	4125.3100	29.68 *	54.00	24.32
Vertical	Peak	4125.9420	47.19 *	74.00	26.81
Vertical	Average	4125.9420	34.43	54.00	19.57
Horizontal	Peak	4810.0330	45.84 *	74.00	28.16
Horizontal	Average	4810.0330	32.86 *	54.00	21.14
Vertical	Peak	4810.3200	45.42 *	74.00	28.58
Vertical	Average	4810.3200	32.46 *	54.00	21.54
Horizontal	Peak	5314.7150	49.75	68.20	18.45
Vertical	Peak	5314.8480	51.72	68.20	16.48

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

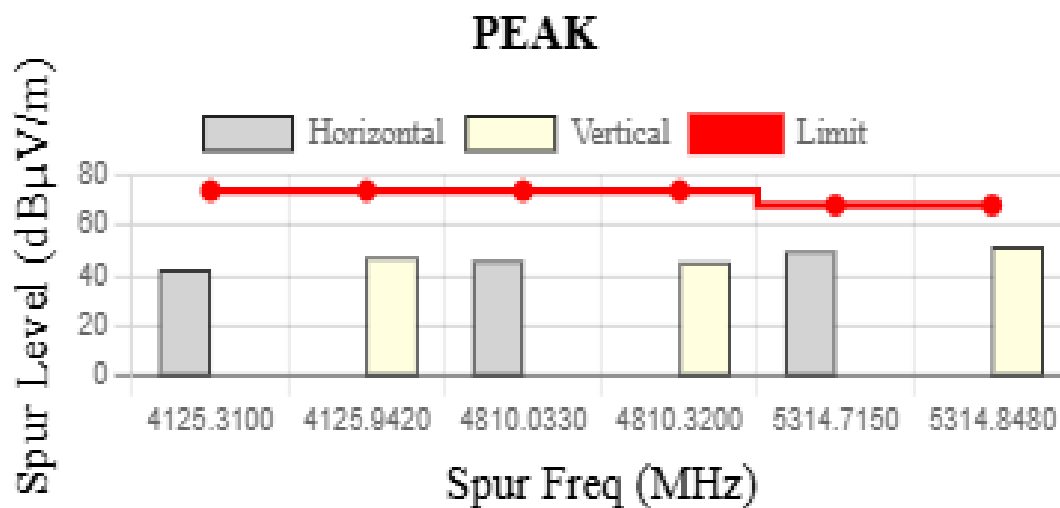
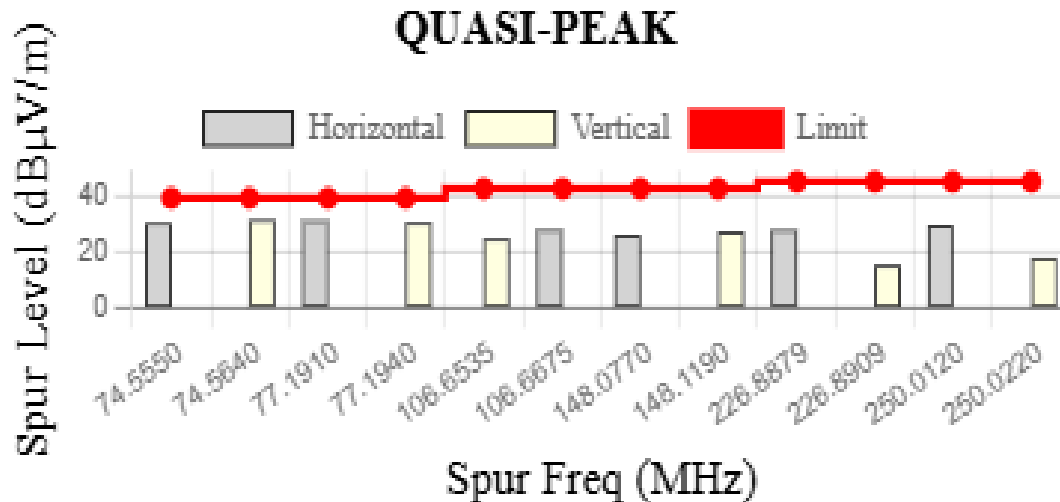
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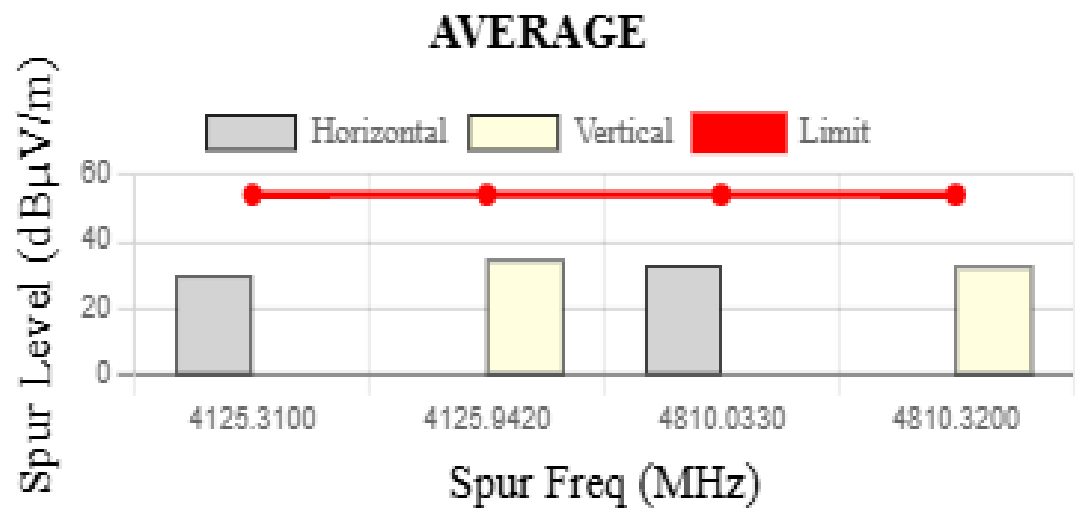
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5580.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Quasi-Peak	74.5450	31.48	40.00	8.52
Horizontal	Quasi-Peak	74.5610	30.76	40.00	9.24
Vertical	Quasi-Peak	106.6525	24.72	43.50	18.78
Horizontal	Quasi-Peak	106.6535	27.63	43.50	15.87
Horizontal	Quasi-Peak	145.9452	21.05 *	43.50	22.45
Vertical	Quasi-Peak	146.1010	23.86	43.50	19.64
Horizontal	Quasi-Peak	226.9019	28.98	46.00	17.02
Vertical	Quasi-Peak	226.9239	15.28 *	46.00	30.72
Vertical	Quasi-Peak	249.9910	20.54 *	46.00	25.46
Horizontal	Quasi-Peak	250.0130	30.63	46.00	15.37
Horizontal	Quasi-Peak	592.7790	27.45	46.00	18.55
Vertical	Quasi-Peak	592.7990	25.52 *	46.00	20.48
Horizontal	Peak	1499.7910	39.47 *	74.00	34.53
Horizontal	Average	1499.7910	32.82 *	54.00	21.18
Vertical	Peak	1500.1920	39.01 *	74.00	34.99
Vertical	Average	1500.1920	33.36 *	54.00	20.64
Vertical	Peak	5339.8300	49.60	68.20	18.60
Horizontal	Peak	5340.4920	48.57	68.20	19.63

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

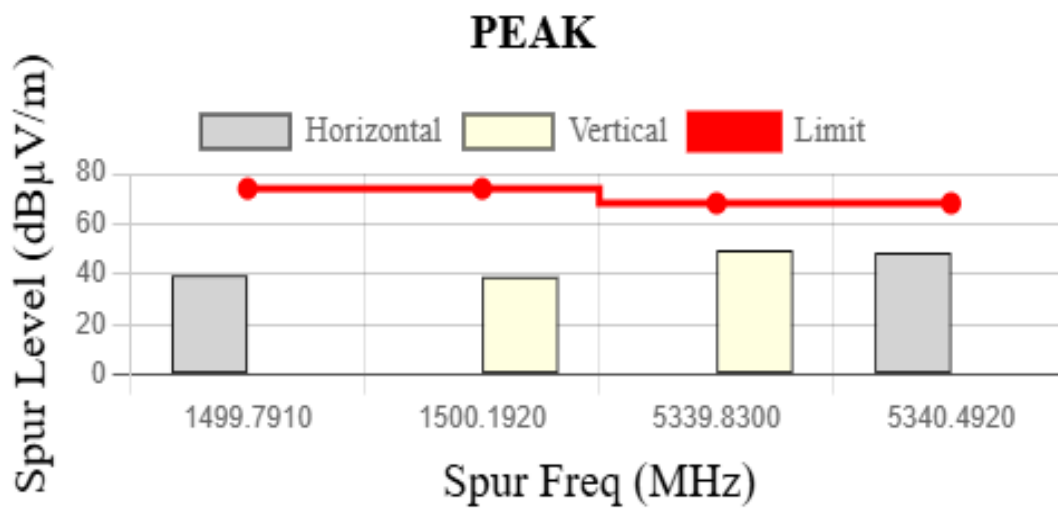
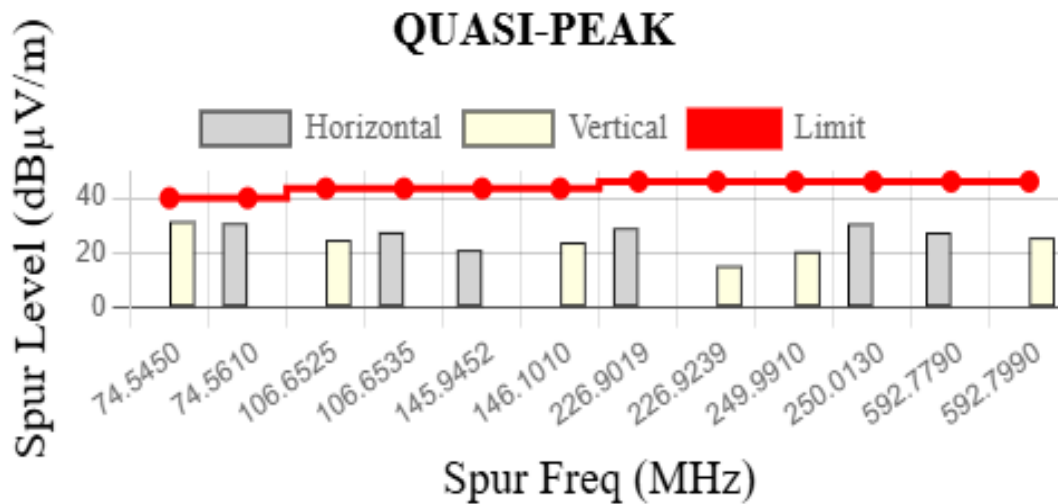
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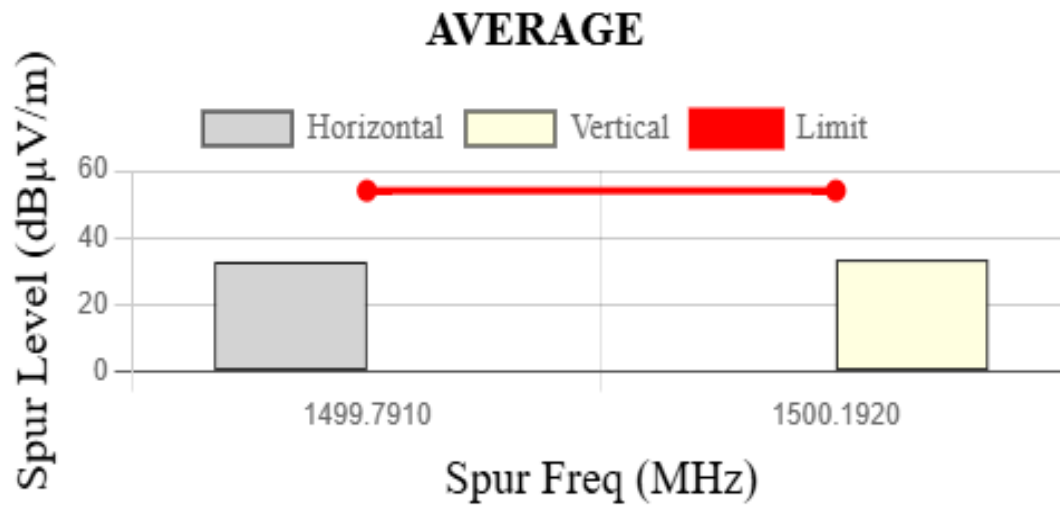
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*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5720.0000 Softpot Power : 15.00
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	Quasi-Peak	74.5610	31.98	40.00	8.02
Horizontal	Quasi-Peak	74.5869	29.95	40.00	10.05
Horizontal	Quasi-Peak	106.6870	29.75	43.50	13.75
Vertical	Quasi-Peak	106.6970	26.33	43.50	17.17
Vertical	Quasi-Peak	148.1310	27.63	43.50	15.87
Horizontal	Quasi-Peak	148.1320	26.88	43.50	16.62
Vertical	Quasi-Peak	226.8869	19.83 *	46.00	26.17
Horizontal	Quasi-Peak	226.8899	28.76	46.00	17.24
Vertical	Quasi-Peak	249.9910	18.51 *	46.00	27.49
Horizontal	Quasi-Peak	249.9970	30.06	46.00	15.94
Vertical	Quasi-Peak	592.8160	27.85	46.00	18.15
Horizontal	Quasi-Peak	592.8170	25.70 *	46.00	20.30
Horizontal	Peak	4283.8900	50.65 *	74.00	23.35
Horizontal	Average	4283.8900	39.24	54.00	14.76
Vertical	Peak	4284.1170	50.40 *	74.00	23.60
Vertical	Average	4284.1170	38.27	54.00	15.73
Horizontal	Peak	4885.9250	45.51 *	74.00	28.49
Horizontal	Average	4885.9250	31.51 *	54.00	22.49
Vertical	Peak	4886.2460	48.15 *	74.00	25.85
Vertical	Average	4886.2460	32.46 *	54.00	21.54
Horizontal	Peak	5227.2070	50.05	68.20	18.15
Vertical	Peak	5227.7260	46.12 *	68.20	22.08
Vertical	Peak	5820.6650	52.09	68.20	16.11
Horizontal	Peak	5820.9030	48.00 *	68.20	20.20

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

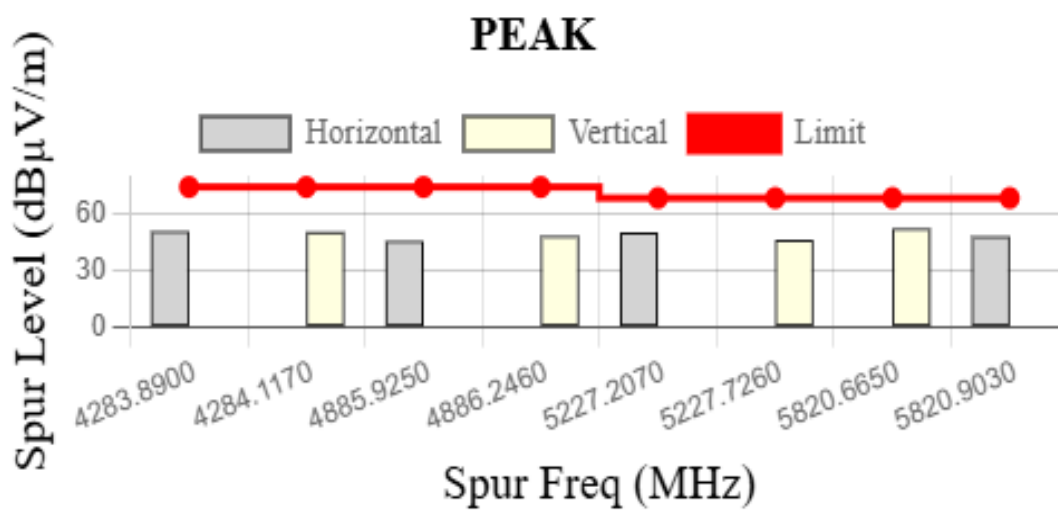
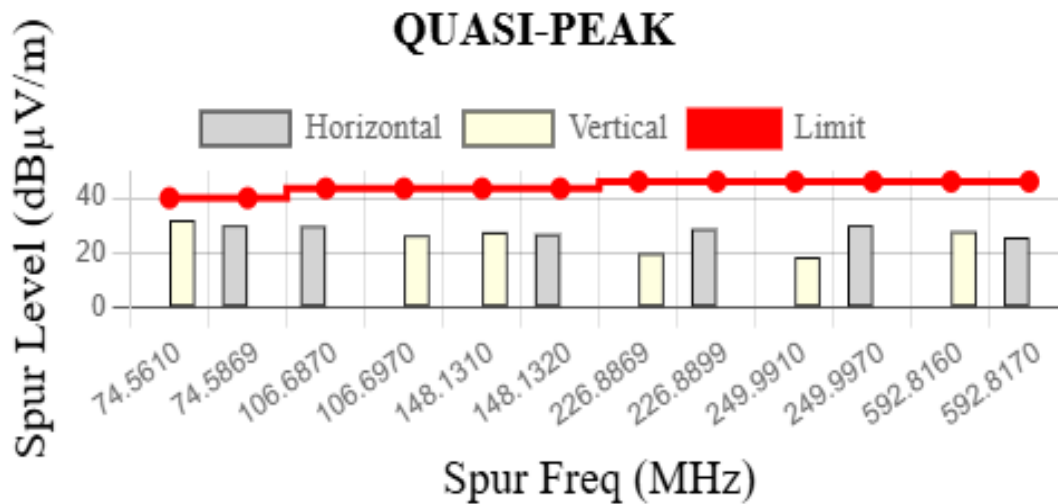
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

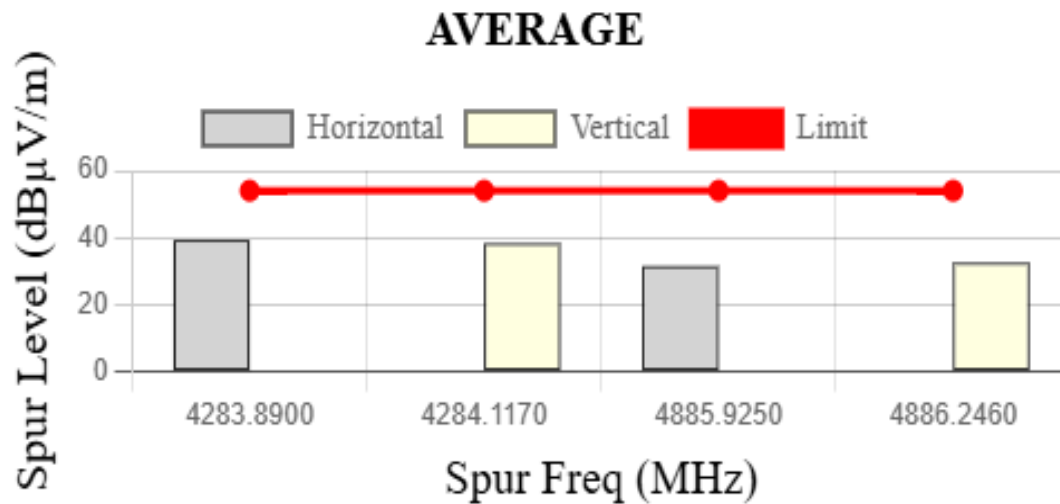
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5745.0000 Softpot Power : 12.00
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)
Horizontal	Quasi-Peak	76.5490	30.63	40.00	9.37
Vertical	Quasi-Peak	76.5620	30.41	40.00	9.59
Vertical	Quasi-Peak	106.6920	26.63	43.50	16.87
Horizontal	Quasi-Peak	106.7060	28.63	43.50	14.87
Horizontal	Quasi-Peak	148.1020	27.62	43.50	15.88
Vertical	Quasi-Peak	148.1250	26.51	43.50	16.99
Vertical	Quasi-Peak	223.3834	19.17 *	46.00	26.83
Horizontal	Quasi-Peak	223.4294	27.39	46.00	18.61
Vertical	Quasi-Peak	249.9950	18.70 *	46.00	27.30
Horizontal	Quasi-Peak	250.0210	30.13	46.00	15.87
Vertical	Quasi-Peak	592.7840	27.87	46.00	18.13
Horizontal	Quasi-Peak	592.7910	27.21	46.00	18.79
Vertical	Peak	4301.9030	47.54 *	74.00	26.46
Vertical	Average	4301.9030	34.08	54.00	19.92
Horizontal	Peak	4301.9750	46.18 *	74.00	27.82
Horizontal	Average	4301.9750	33.07 *	54.00	20.93
Horizontal	Peak	4866.9350	45.69 *	74.00	28.31
Horizontal	Average	4866.9350	31.94 *	54.00	22.06
Vertical	Peak	4866.9800	48.16 *	74.00	25.84
Vertical	Average	4866.9800	31.56 *	54.00	22.44
Vertical	Peak	5591.6960	50.26	68.20	17.94
Horizontal	Peak	5592.1700	45.75 *	68.20	22.45
Horizontal	Peak	6013.6770	46.81 *	68.20	21.39
Vertical	Peak	6013.6950	48.74	68.20	19.46

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sat, 23 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

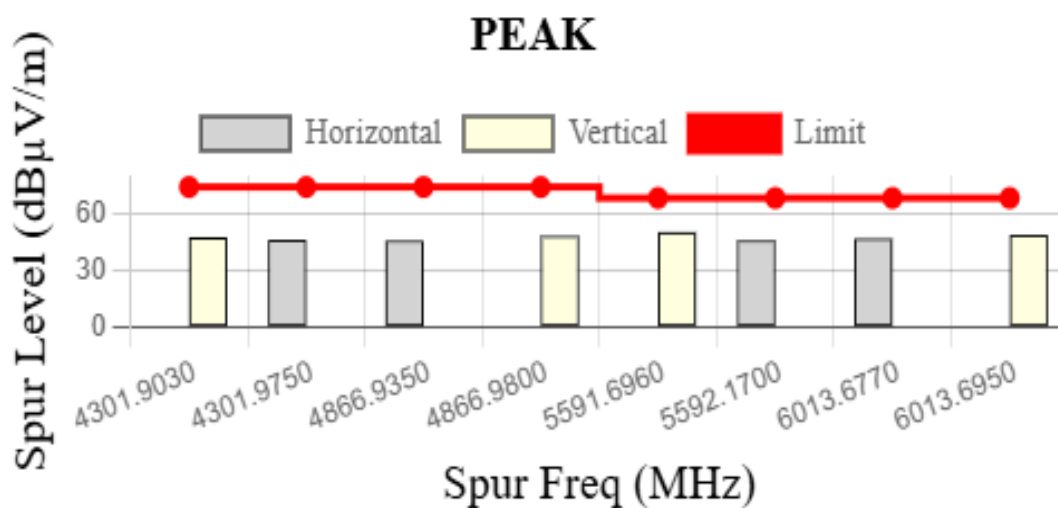
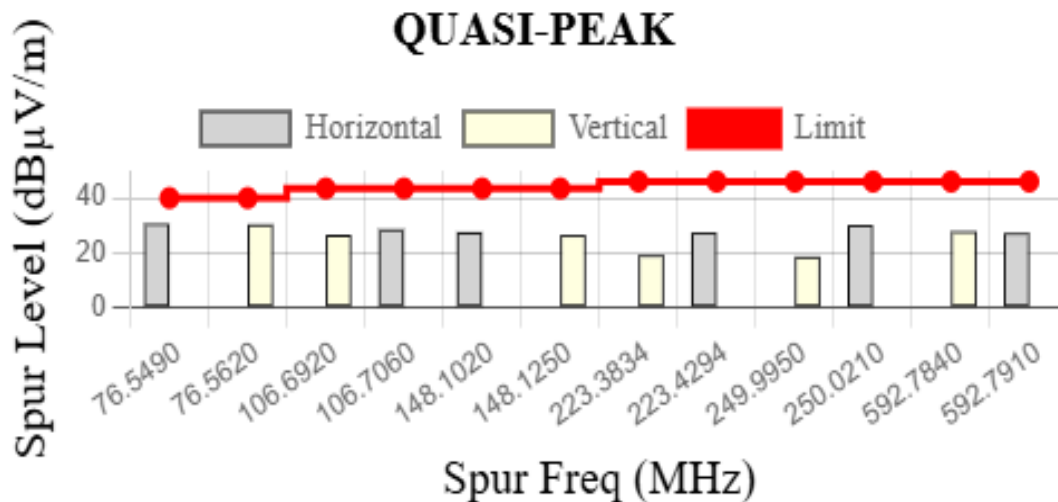
Remarks:

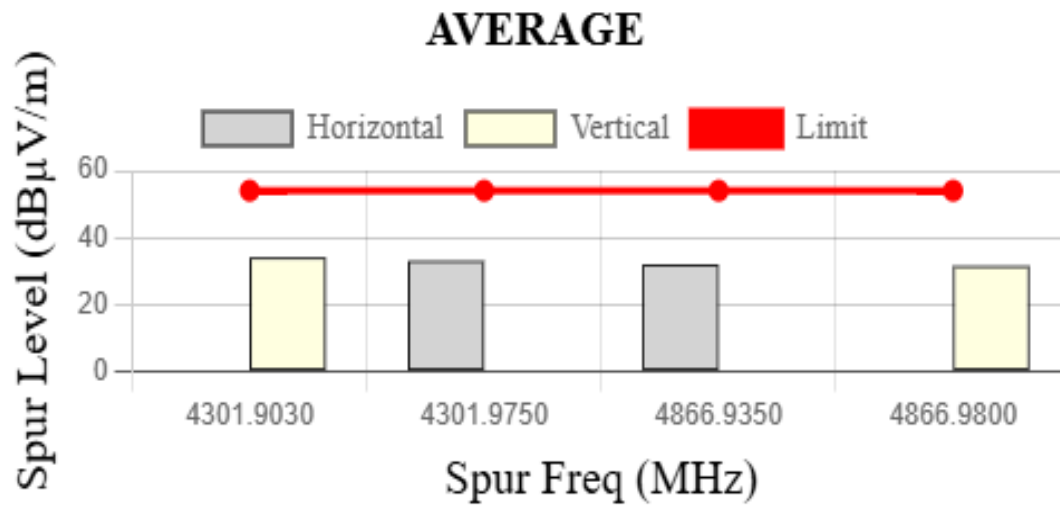
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
 Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
 Battery : - Charger : -
 Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
 Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
 Test Frequency (MHz) : 5785.0000 Softpot Power : 13.00
 Plane : Y-Plane Band : -
 Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
 2023+C63.10a-2024 +
 Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.5470	29.04	40.00	10.96
Vertical	Quasi-Peak	74.5660	31.83	40.00	8.17
Vertical	Quasi-Peak	106.6940	26.38	43.50	17.12
Horizontal	Quasi-Peak	106.7120	29.91	43.50	13.59
Horizontal	Quasi-Peak	148.1090	27.54	43.50	15.96
Vertical	Quasi-Peak	148.1170	28.03	43.50	15.47
Horizontal	Quasi-Peak	223.4604	27.24	46.00	18.76
Vertical	Quasi-Peak	223.4724	13.72 *	46.00	32.28
Vertical	Quasi-Peak	249.9970	21.41 *	46.00	24.59
Horizontal	Quasi-Peak	250.0190	30.41	46.00	15.59
Vertical	Quasi-Peak	592.7840	27.23	46.00	18.77
Horizontal	Quasi-Peak	592.8010	27.88	46.00	18.12
Horizontal	Peak	1499.7920	37.44 *	74.00	36.56
Horizontal	Average	1499.7920	29.01 *	54.00	24.99
Vertical	Peak	1499.8650	39.30 *	74.00	34.70
Vertical	Average	1499.8650	31.75 *	54.00	22.25
Vertical	Peak	4339.2350	48.94 *	74.00	25.06
Vertical	Average	4339.2350	34.71	54.00	19.29
Horizontal	Peak	4339.4820	46.84 *	74.00	27.16
Horizontal	Average	4339.4820	33.85 *	54.00	20.15
Horizontal	Peak	4887.7320	46.00 *	74.00	28.00
Horizontal	Average	4887.7320	32.90 *	54.00	21.10
Vertical	Peak	4887.9930	48.15 *	74.00	25.85
Vertical	Average	4887.9930	32.75 *	54.00	21.25
Horizontal	Peak	5600.7840	46.12 *	68.20	22.08
Vertical	Peak	5601.1290	53.92	68.20	14.28

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) : 23.7 Humidity (%) : 68.9

Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

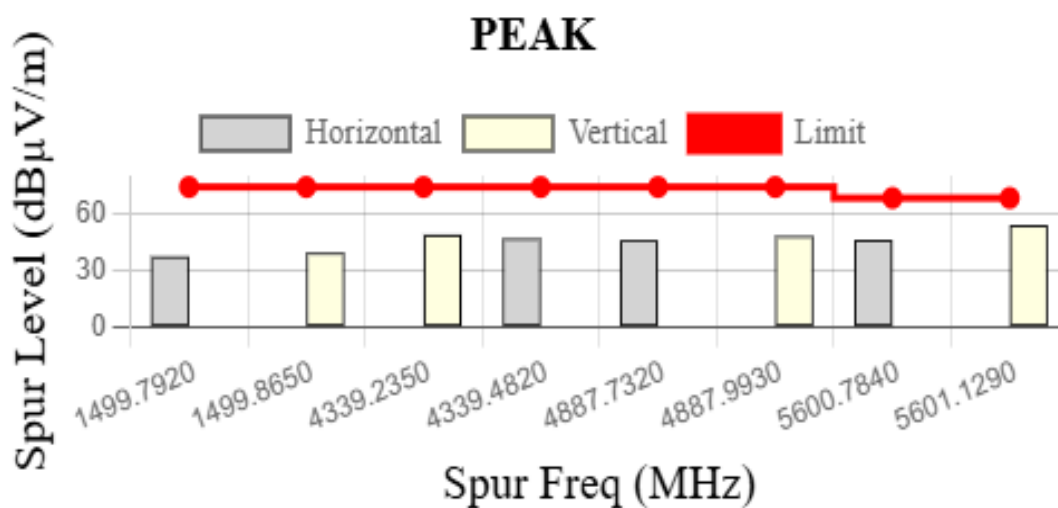
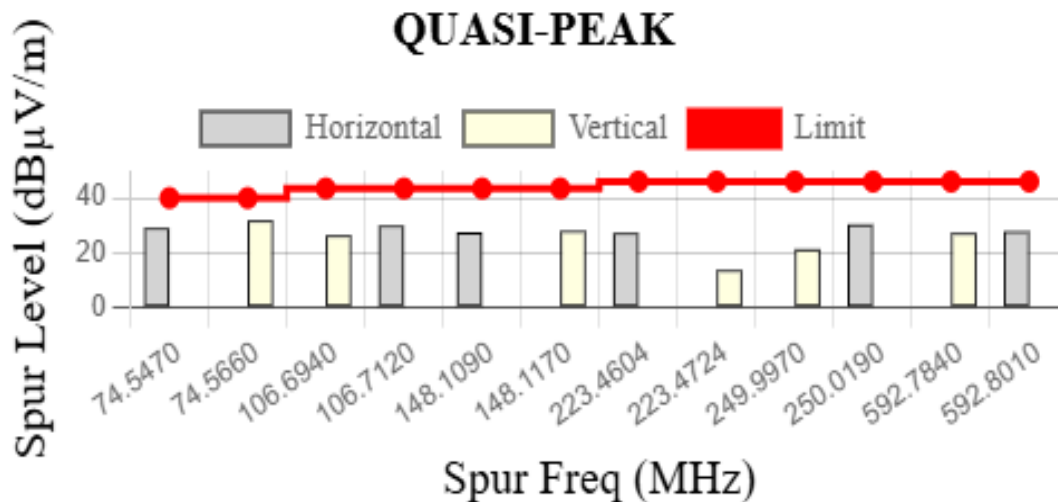
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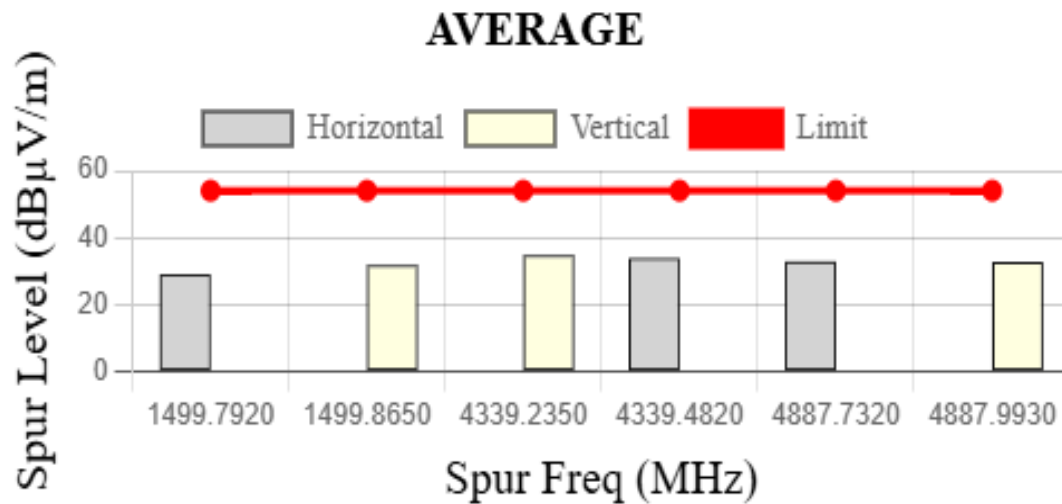
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11a Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5825.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Quasi-Peak	74.5380	30.95	40.00	9.05
Horizontal	Quasi-Peak	74.5420	30.10	40.00	9.90
Horizontal	Quasi-Peak	106.6930	29.76	43.50	13.74
Vertical	Quasi-Peak	106.7030	24.48	43.50	19.02
Vertical	Quasi-Peak	148.1160	27.76	43.50	15.74
Horizontal	Quasi-Peak	148.1290	26.76	43.50	16.74
Horizontal	Quasi-Peak	226.9049	28.26	46.00	17.74
Vertical	Quasi-Peak	226.9269	21.49 *	46.00	24.51
Horizontal	Quasi-Peak	250.0160	30.45	46.00	15.55
Vertical	Quasi-Peak	250.0259	20.70 *	46.00	25.30
Horizontal	Quasi-Peak	592.7850	25.74 *	46.00	20.26
Vertical	Quasi-Peak	592.8350	26.43	46.00	19.57
Vertical	Peak	1499.8910	38.90 *	74.00	35.10
Vertical	Average	1499.8910	31.77 *	54.00	22.23
Horizontal	Peak	1500.0370	35.69 *	74.00	38.31
Horizontal	Average	1500.0370	25.93 *	54.00	28.07
Vertical	Peak	4371.4020	46.01 *	74.00	27.99
Vertical	Average	4371.4020	33.48 *	54.00	20.52
Horizontal	Peak	4371.4220	51.33 *	74.00	22.67
Horizontal	Average	4371.4220	38.84	54.00	15.16
Horizontal	Peak	5308.7850	49.21	68.20	18.99
Vertical	Peak	5309.3950	44.89 *	68.20	23.31
Vertical	Peak	5597.0180	51.51	68.20	16.69
Horizontal	Peak	5597.0670	46.26 *	68.20	21.94

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sat, 23 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

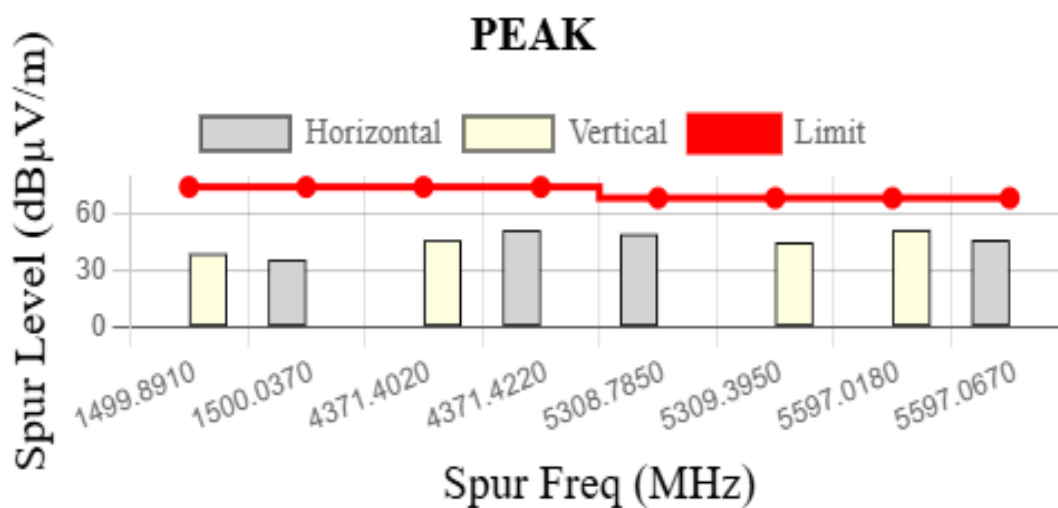
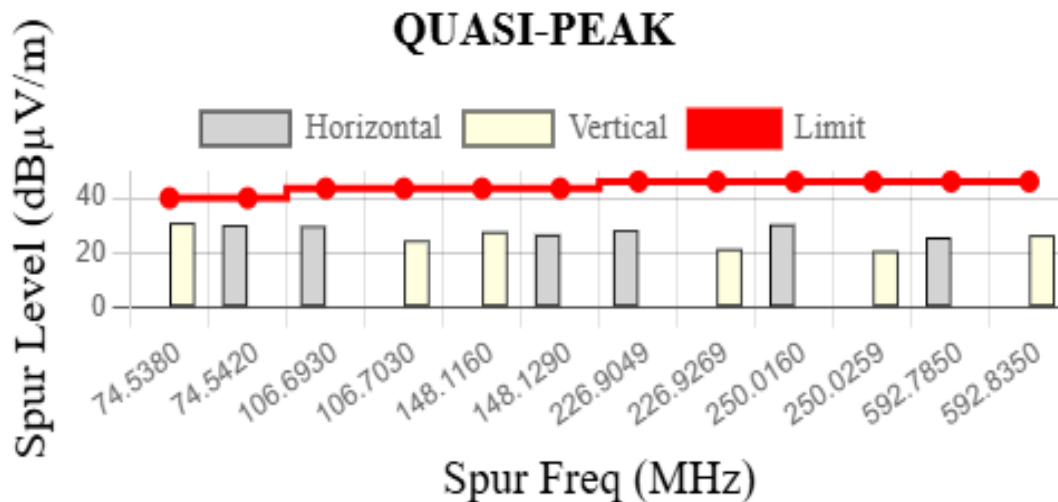
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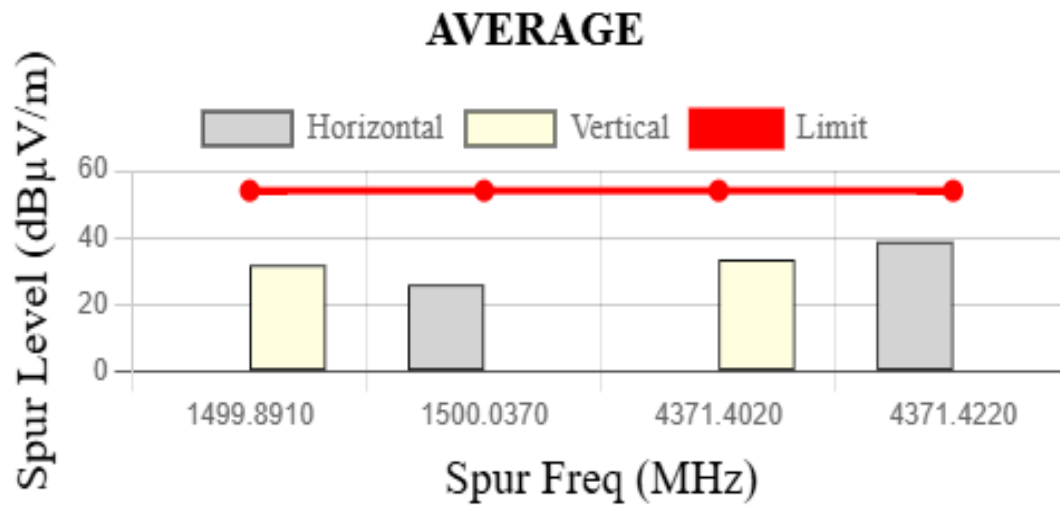
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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.





802.11n (HT20)

SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5180.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Quasi-Peak	74.5490	31.51	40.00	8.49
Horizontal	Quasi-Peak	74.5740	30.43	40.00	9.57
Horizontal	Quasi-Peak	106.6890	28.67	43.50	14.83
Vertical	Quasi-Peak	106.7030	26.69	43.50	16.81
Vertical	Quasi-Peak	148.1350	27.20	43.50	16.30
Horizontal	Quasi-Peak	148.1400	26.56	43.50	16.94
Vertical	Quasi-Peak	226.8799	15.50 *	46.00	30.50
Horizontal	Quasi-Peak	226.9029	28.53	46.00	17.47
Horizontal	Quasi-Peak	250.0070	30.49	46.00	15.51
Vertical	Quasi-Peak	250.0200	21.12 *	46.00	24.88
Horizontal	Quasi-Peak	592.7930	27.92	46.00	18.08
Vertical	Quasi-Peak	592.8070	27.82	46.00	18.18
Horizontal	Peak	1499.9970	37.80 *	74.00	36.20
Horizontal	Average	1499.9970	31.07 *	54.00	22.93
Vertical	Peak	1500.1970	39.91 *	74.00	34.09
Vertical	Average	1500.1970	31.95 *	54.00	22.05
Horizontal	Peak	4991.8450	45.58 *	74.00	28.42
Horizontal	Average	4991.8450	31.45 *	54.00	22.55
Vertical	Peak	4991.8750	44.04 *	74.00	29.96
Vertical	Average	4991.8750	29.88 *	54.00	24.12

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

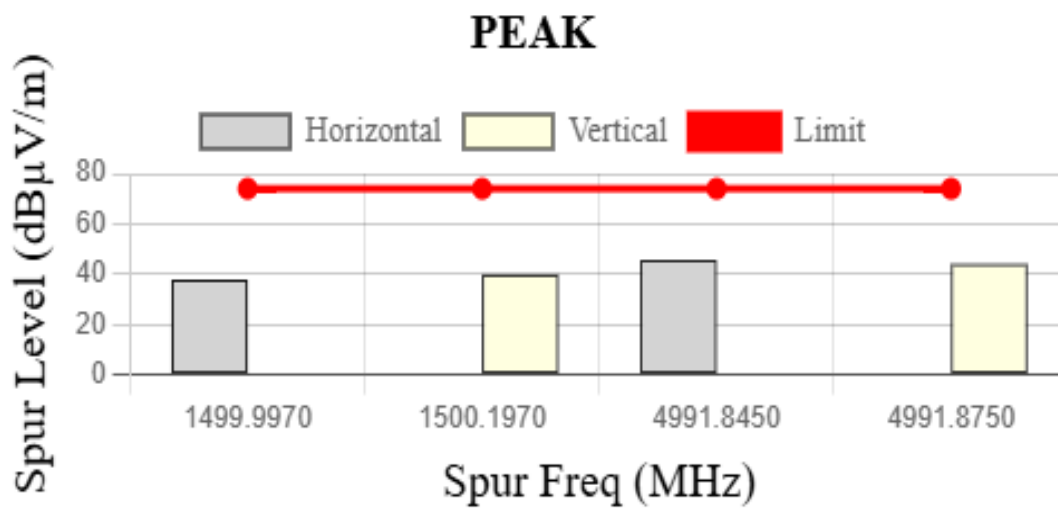
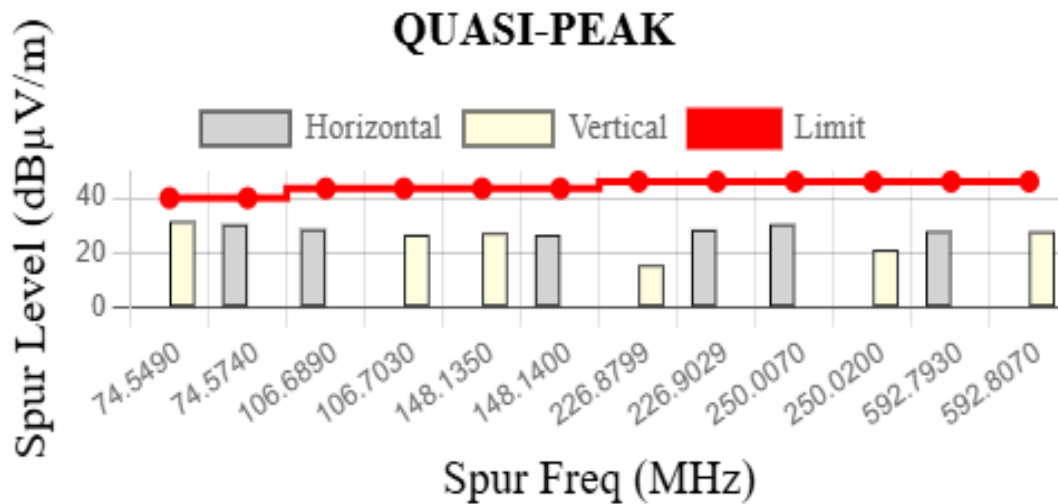
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

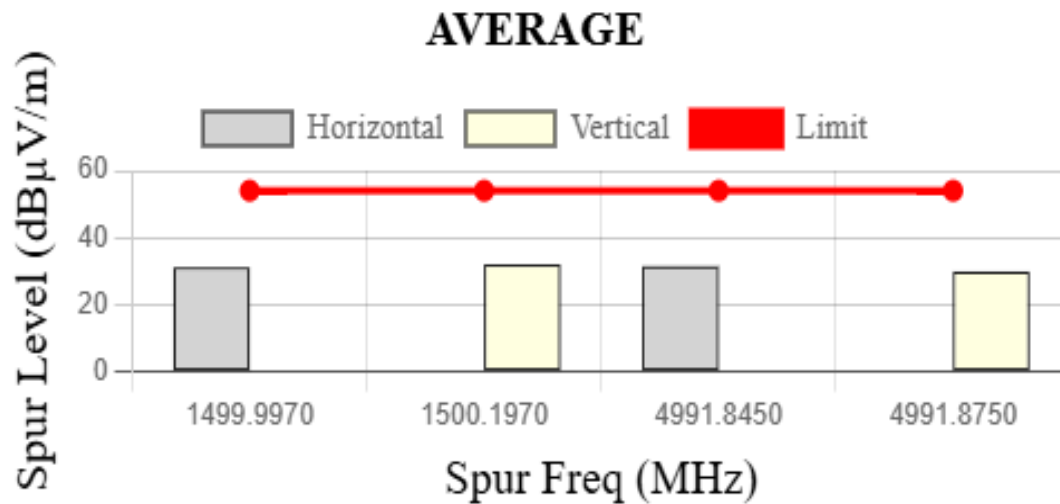
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
 Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
 Battery : - Charger : -
 Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
 Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
 Test Frequency (MHz) : 5220.0000 Softpot Power : 13.00
 Plane : Y-Plane Band : -
 Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
 2023+C63.10a-2024 +
 Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.5630	30.58	40.00	9.42
Vertical	Quasi-Peak	74.5780	31.07	40.00	8.93
Horizontal	Quasi-Peak	106.6940	29.78	43.50	13.72
Vertical	Quasi-Peak	106.6970	26.00	43.50	17.50
Vertical	Quasi-Peak	148.1090	27.25	43.50	16.25
Horizontal	Quasi-Peak	148.1170	27.77	43.50	15.73
Horizontal	Quasi-Peak	226.8869	28.83	46.00	17.17
Vertical	Quasi-Peak	226.9349	20.76 *	46.00	25.24
Horizontal	Quasi-Peak	250.0200	30.35	46.00	15.65
Vertical	Quasi-Peak	250.0479	17.43 *	46.00	28.57
Vertical	Quasi-Peak	592.7990	28.15	46.00	17.85
Horizontal	Quasi-Peak	592.8110	26.10	46.00	19.90
Horizontal	Peak	4887.4800	45.24 *	74.00	28.76
Horizontal	Average	4887.4800	31.52 *	54.00	22.48
Vertical	Peak	4887.5250	50.24 *	74.00	23.76
Vertical	Average	4887.5250	33.22 *	54.00	20.78
Vertical	Peak	5002.6520	49.77 *	74.00	24.23
Vertical	Average	5002.6520	34.44	54.00	19.56
Horizontal	Peak	5003.0640	46.17 *	74.00	27.83
Horizontal	Average	5003.0640	31.22 *	54.00	22.78
Horizontal	Peak	5451.7160	47.33 *	74.00	26.67
Horizontal	Average	5451.7160	32.53 *	54.00	21.47
Vertical	Peak	5452.2410	49.83 *	74.00	24.17
Vertical	Average	5452.2410	34.18	54.00	19.82

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sat, 23 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

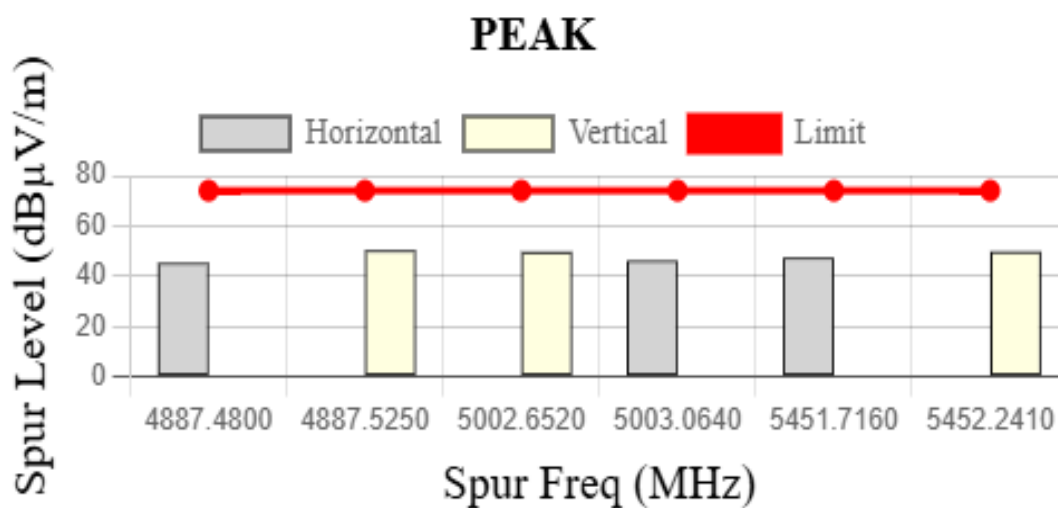
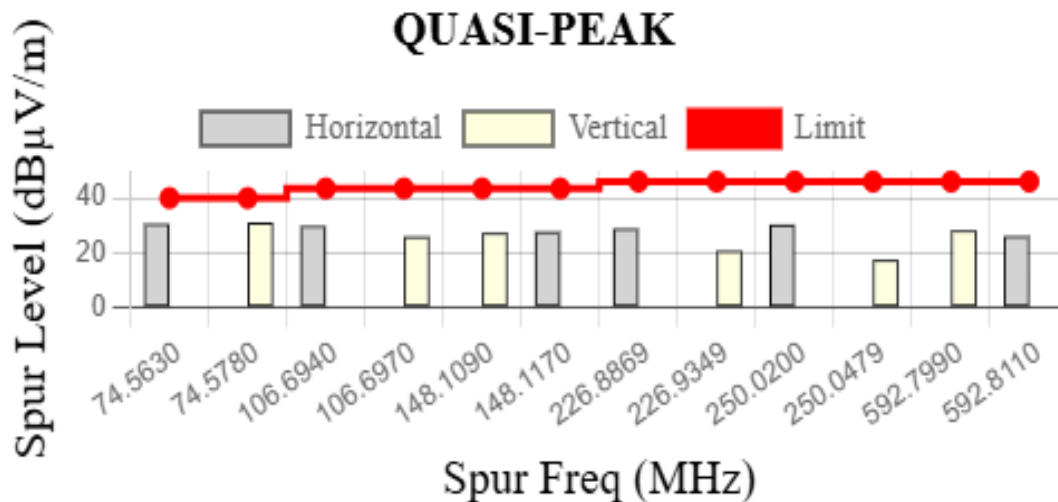
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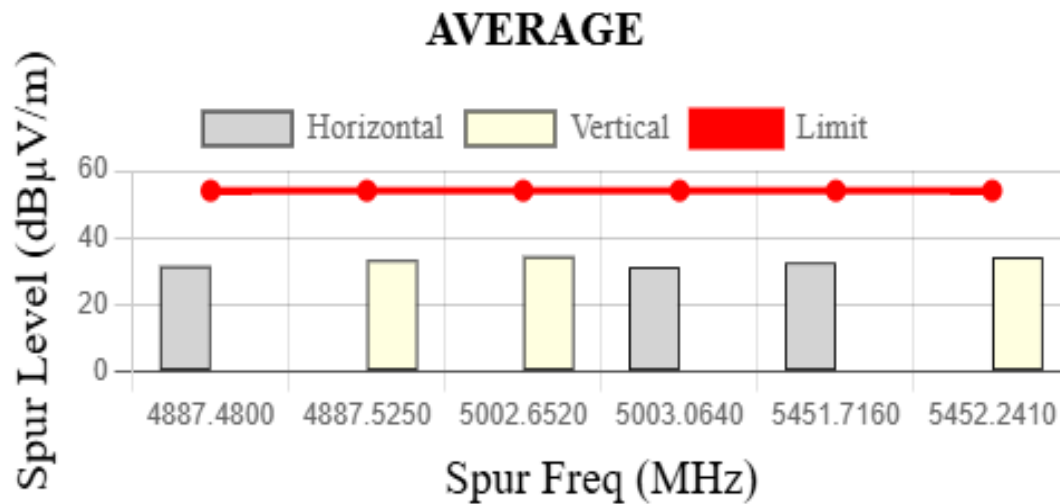
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5240.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.5650	30.79	40.00	9.21
Vertical	Quasi-Peak	74.5969	30.36	40.00	9.64
Vertical	Quasi-Peak	106.6810	26.10	43.50	17.40
Horizontal	Quasi-Peak	106.7070	28.58	43.50	14.92
Vertical	Quasi-Peak	148.1130	27.01	43.50	16.49
Horizontal	Quasi-Peak	148.1220	26.78	43.50	16.72
Horizontal	Quasi-Peak	226.9009	28.81	46.00	17.19
Vertical	Quasi-Peak	226.9379	14.34 *	46.00	31.66
Horizontal	Quasi-Peak	250.0080	30.09	46.00	15.91
Vertical	Quasi-Peak	250.0299	18.49 *	46.00	27.51
Vertical	Quasi-Peak	915.1341	19.39 *	46.00	26.61
Horizontal	Quasi-Peak	915.2080	19.43 *	46.00	26.57
Vertical	Peak	4920.4910	49.81 *	74.00	24.19
Vertical	Average	4920.4910	34.60	54.00	19.40
Horizontal	Peak	4920.9620	44.88 *	74.00	29.12
Horizontal	Average	4920.9620	30.87 *	54.00	23.13
Horizontal	Peak	5015.1620	46.66 *	74.00	27.34
Horizontal	Average	5015.1620	31.99 *	54.00	22.01
Vertical	Peak	5015.2760	45.51 *	74.00	28.49
Vertical	Average	5015.2760	31.69 *	54.00	22.31

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

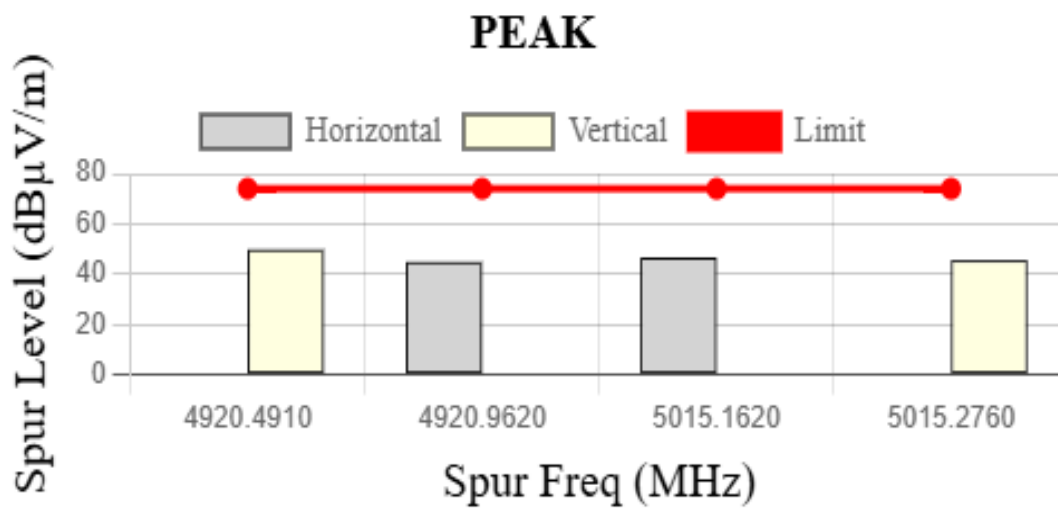
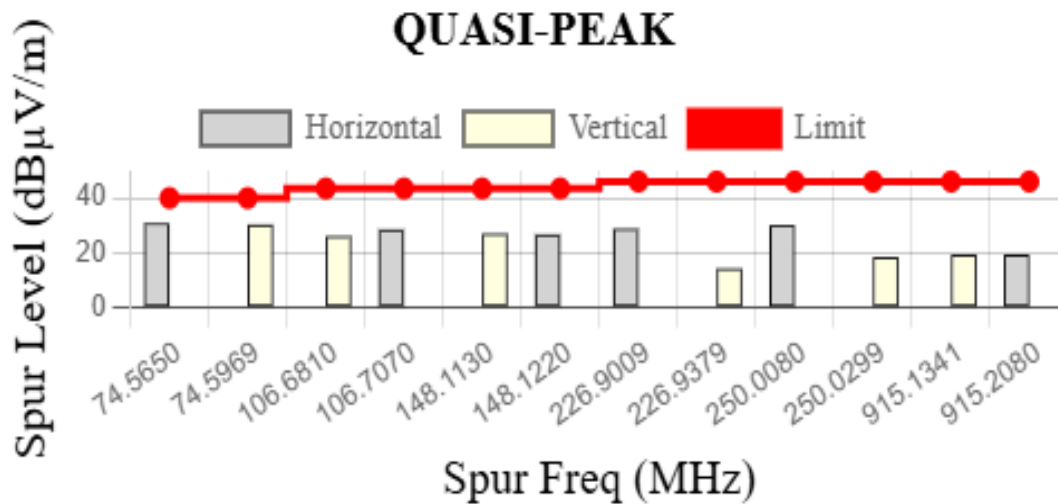
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

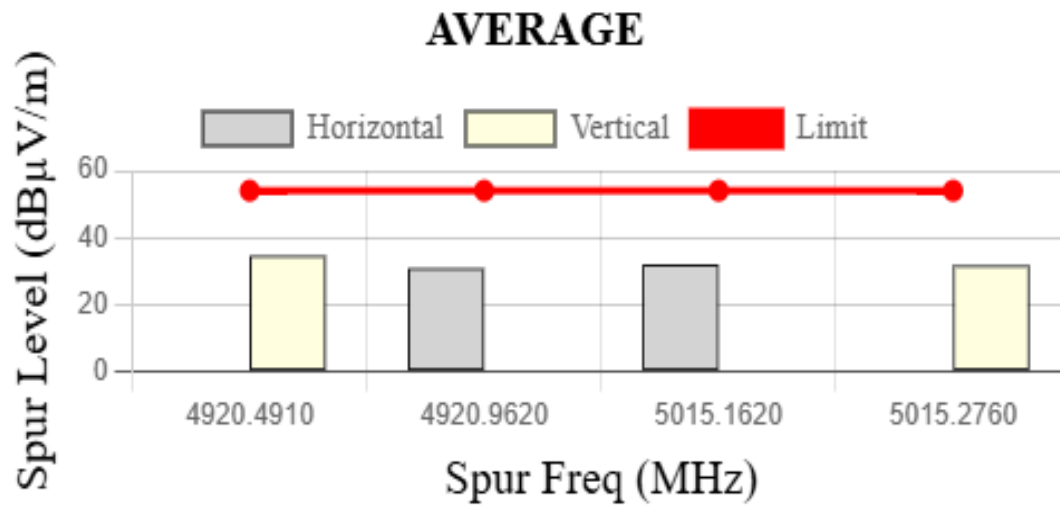
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5260.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Quasi-Peak	74.5530	31.06	40.00	8.94
Horizontal	Quasi-Peak	74.5770	30.24	40.00	9.76
Horizontal	Quasi-Peak	106.6900	29.65	43.50	13.85
Vertical	Quasi-Peak	106.7160	26.57	43.50	16.93
Horizontal	Quasi-Peak	148.1130	27.83	43.50	15.67
Vertical	Quasi-Peak	148.1300	26.83	43.50	16.67
Vertical	Quasi-Peak	226.8690	22.31 *	46.00	23.69
Horizontal	Quasi-Peak	226.9019	28.49	46.00	17.51
Horizontal	Quasi-Peak	250.0090	30.01	46.00	15.99
Vertical	Quasi-Peak	250.0220	18.70 *	46.00	27.30
Horizontal	Quasi-Peak	592.8000	26.57	46.00	19.43
Vertical	Quasi-Peak	592.8140	26.98	46.00	19.02
Horizontal	Peak	4892.4390	45.17 *	74.00	28.83
Horizontal	Average	4892.4390	31.43 *	54.00	22.57
Vertical	Peak	4893.1000	50.53 *	74.00	23.47
Vertical	Average	4893.1000	32.80 *	54.00	21.20

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

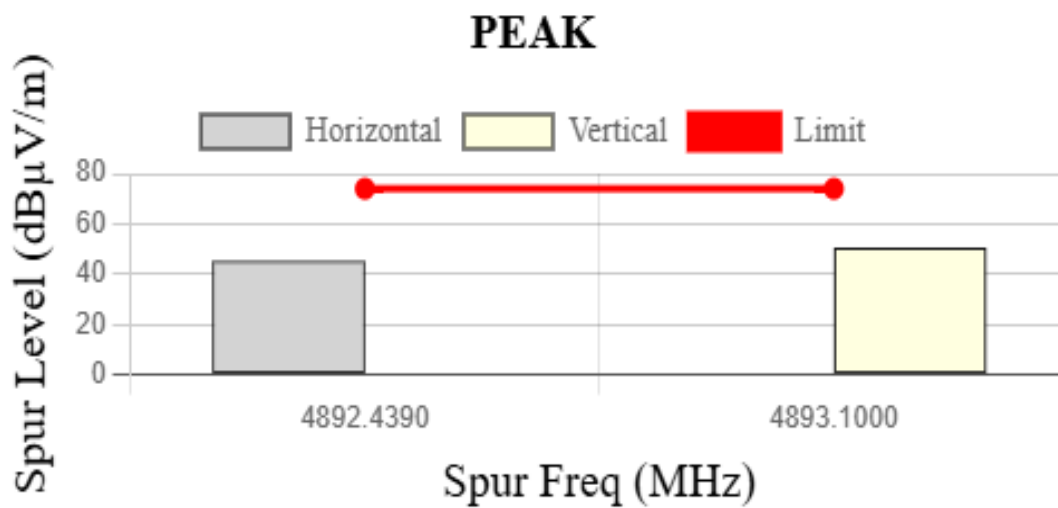
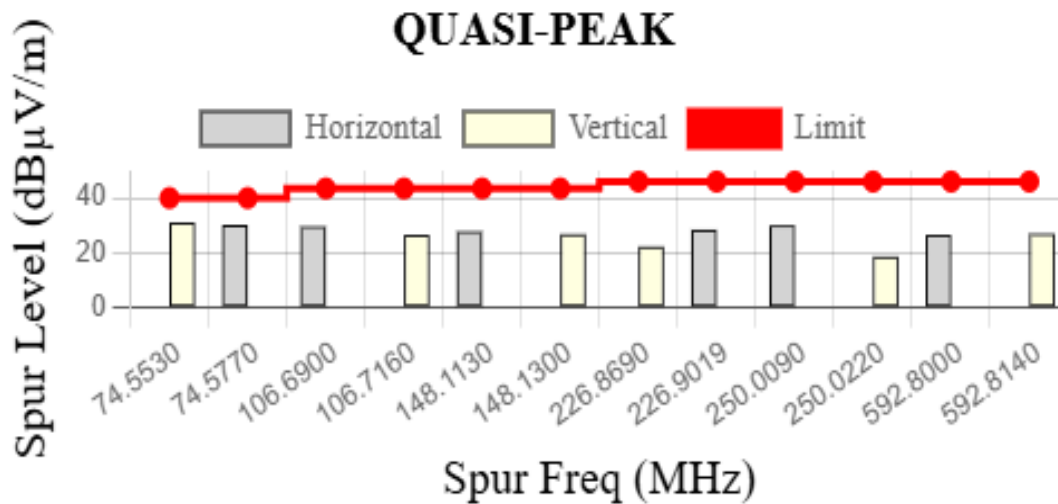
Remarks:

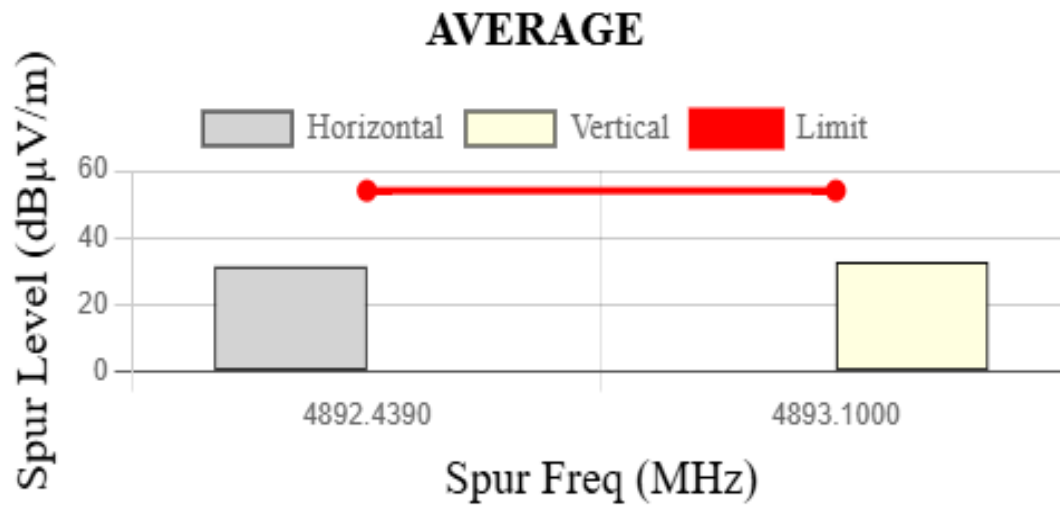
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5300.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.5590	30.55	40.00	9.45
Vertical	Quasi-Peak	74.5939	30.69	40.00	9.31
Vertical	Quasi-Peak	106.6829	25.82	43.50	17.68
Horizontal	Quasi-Peak	106.7089	28.87	43.50	14.63
Horizontal	Quasi-Peak	148.1030	27.60	43.50	15.90
Vertical	Quasi-Peak	148.1290	28.15	43.50	15.35
Horizontal	Quasi-Peak	226.8979	28.93	46.00	17.07
Vertical	Quasi-Peak	226.9009	21.81 *	46.00	24.19
Vertical	Quasi-Peak	249.9660	18.31 *	46.00	27.69
Horizontal	Quasi-Peak	250.0020	30.37	46.00	15.63
Vertical	Quasi-Peak	592.7980	27.95	46.00	18.05
Horizontal	Quasi-Peak	592.8070	26.40	46.00	19.60
Horizontal	Peak	4893.3540	49.56 *	74.00	24.44
Horizontal	Average	4893.3540	31.92 *	54.00	22.08
Vertical	Peak	4893.9040	52.03 *	74.00	21.97
Vertical	Average	4893.9040	32.57 *	54.00	21.43
Horizontal	Peak	5442.9520	48.94 *	74.00	25.06
Horizontal	Average	5442.9520	31.30 *	54.00	22.70
Vertical	Peak	5443.1460	48.70 *	74.00	25.30
Vertical	Average	5443.1460	30.65 *	54.00	23.35
Vertical	Peak	5910.4060	50.45	68.20	17.75
Horizontal	Peak	5910.7050	45.97 *	68.20	22.23

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

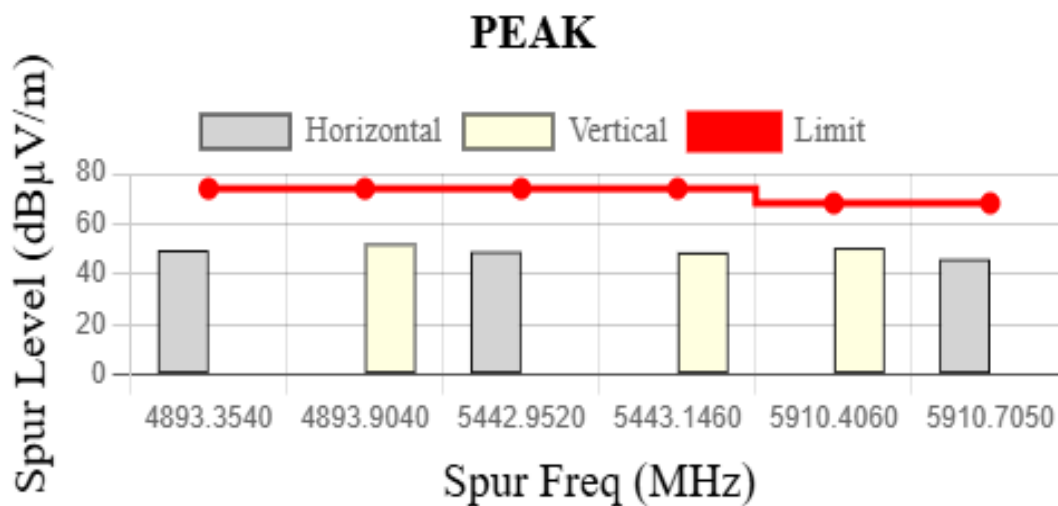
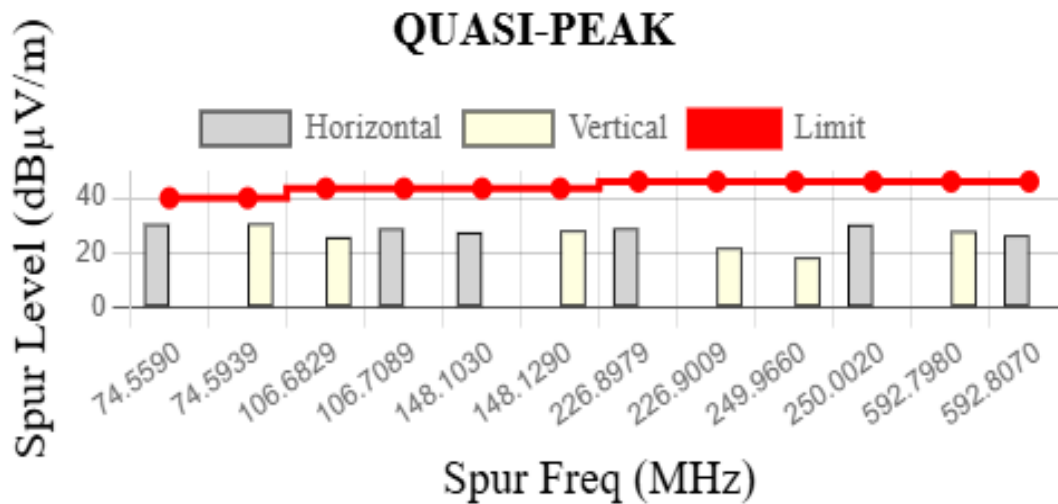
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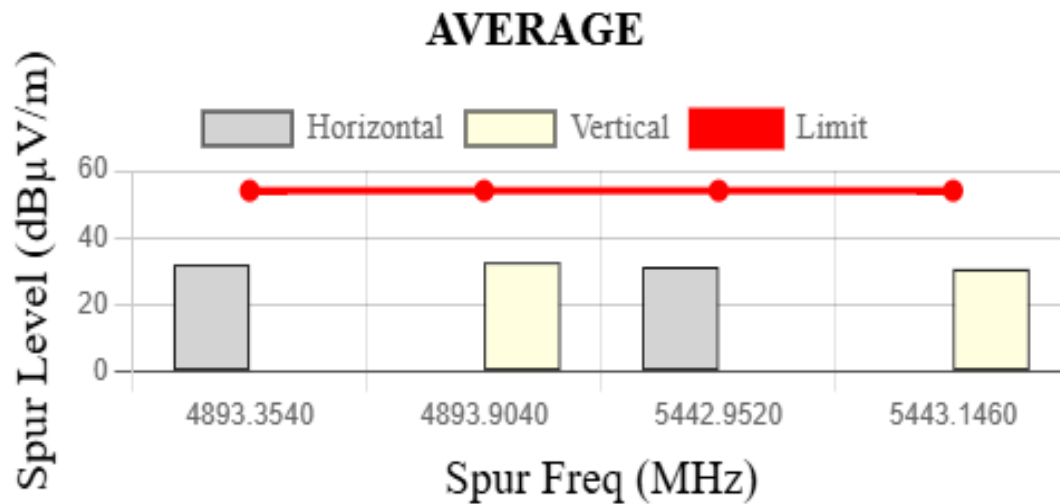
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5320.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.5640	30.65	40.00	9.35
Vertical	Quasi-Peak	74.5889	31.13	40.00	8.87
Vertical	Quasi-Peak	106.6940	26.13	43.50	17.37
Horizontal	Quasi-Peak	106.7299	29.69	43.50	13.81
Vertical	Quasi-Peak	148.1020	27.64	43.50	15.86
Horizontal	Quasi-Peak	148.1190	27.76	43.50	15.74
Vertical	Quasi-Peak	226.8730	22.55 *	46.00	23.45
Horizontal	Quasi-Peak	226.8799	27.98	46.00	18.02
Vertical	Quasi-Peak	250.0030	18.78 *	46.00	27.22
Horizontal	Quasi-Peak	250.0080	30.29	46.00	15.71
Horizontal	Quasi-Peak	592.7930	26.56	46.00	19.44
Vertical	Quasi-Peak	592.7970	28.15	46.00	17.85
Vertical	Peak	4913.9470	54.49	74.00	19.51
Vertical	Average	4913.9470	33.87 *	54.00	20.13
Horizontal	Peak	4913.9800	49.37 *	74.00	24.63
Horizontal	Average	4913.9800	31.33 *	54.00	22.67

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

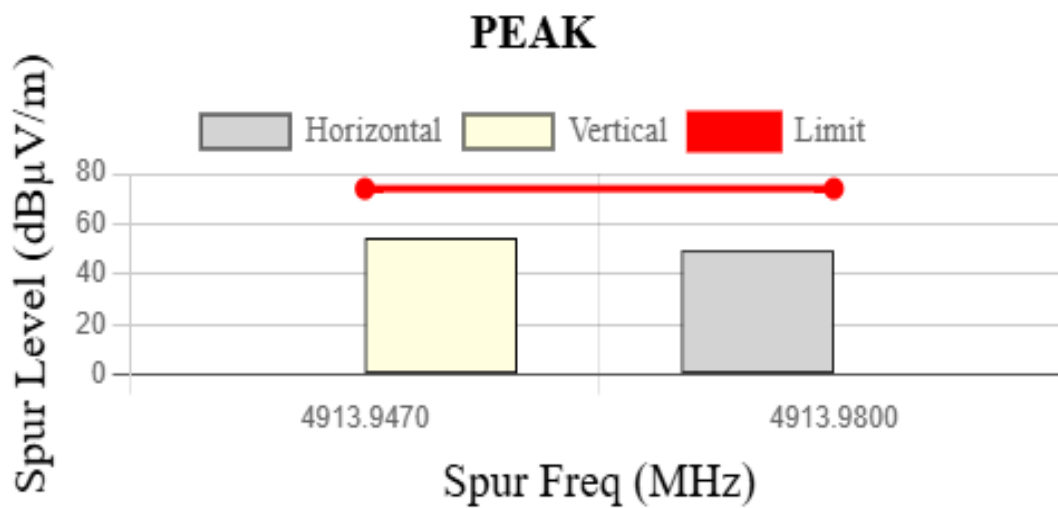
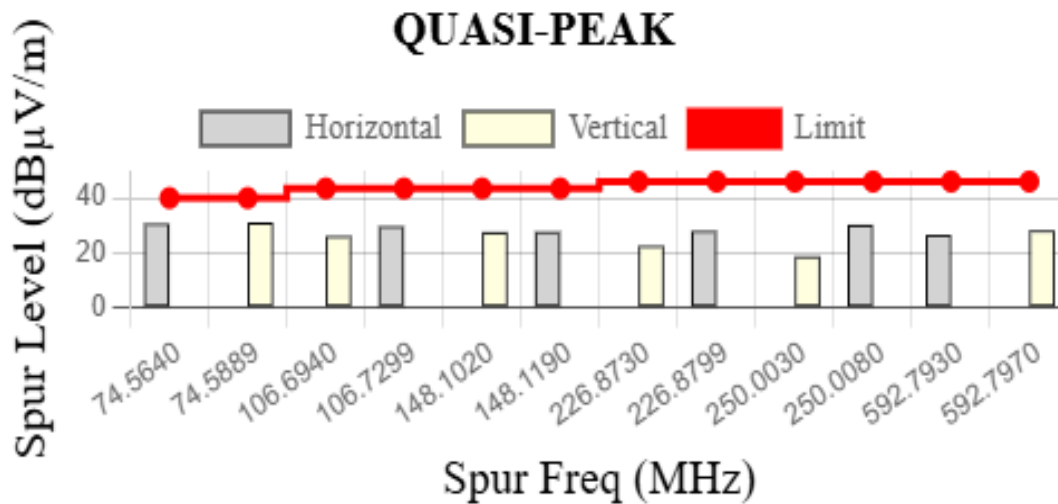
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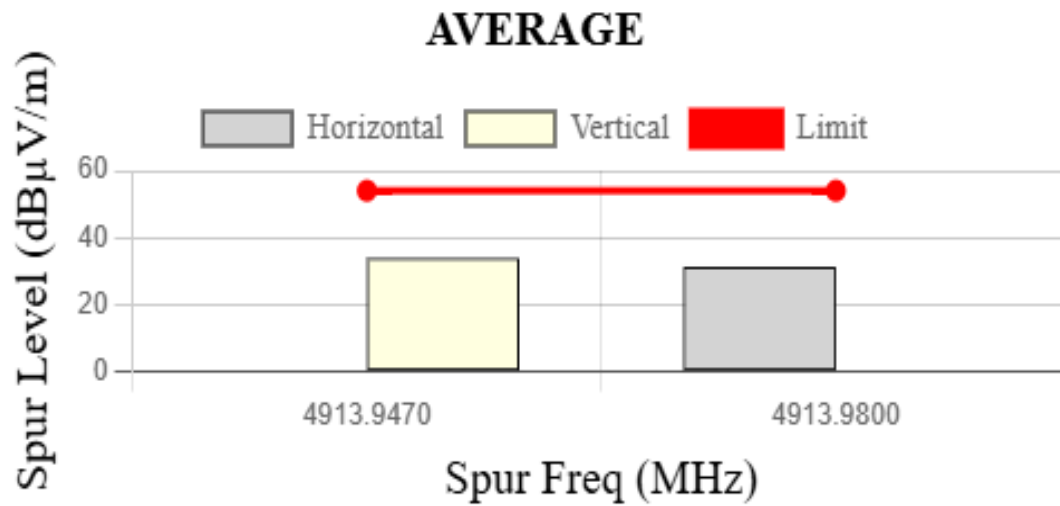
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5500.0000 Softpot Power : 12.00
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)
Horizontal	Quasi-Peak	74.5660	30.85	40.00	9.15
Vertical	Quasi-Peak	74.5690	31.82	40.00	8.18
Horizontal	Quasi-Peak	106.6860	28.43	43.50	15.07
Vertical	Quasi-Peak	106.7010	26.41	43.50	17.09
Vertical	Quasi-Peak	148.1010	27.42	43.50	16.08
Horizontal	Quasi-Peak	148.1160	26.83	43.50	16.67
Horizontal	Quasi-Peak	226.8889	28.41	46.00	17.59
Vertical	Quasi-Peak	226.9209	18.38 *	46.00	27.62
Vertical	Quasi-Peak	249.9800	17.62 *	46.00	28.38
Horizontal	Quasi-Peak	249.9990	30.40	46.00	15.60
Vertical	Quasi-Peak	592.8030	27.67	46.00	18.33
Horizontal	Quasi-Peak	592.8130	26.16	46.00	19.84
Horizontal	Peak	4894.8810	44.65 *	74.00	29.35
Horizontal	Average	4894.8810	31.86 *	54.00	22.14
Vertical	Peak	4895.5990	46.98 *	74.00	27.02
Vertical	Average	4895.5990	32.70 *	54.00	21.30
Horizontal	Peak	5265.7760	47.50 *	68.20	20.70
Vertical	Peak	5265.8430	44.73 *	68.20	23.47

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

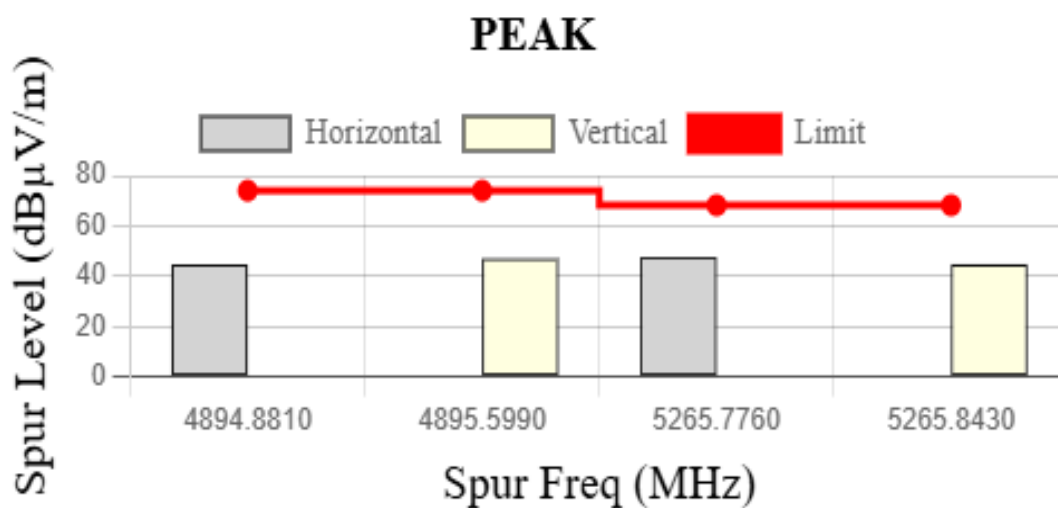
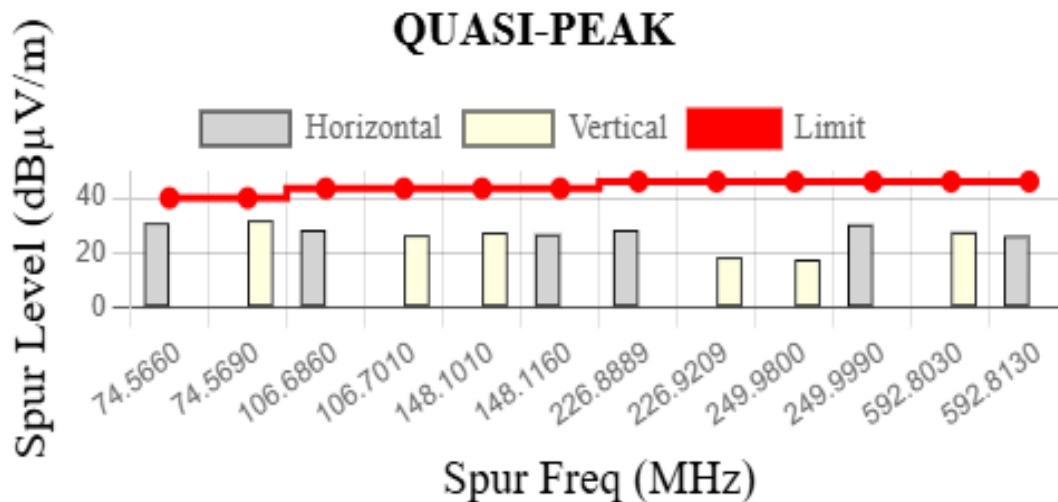
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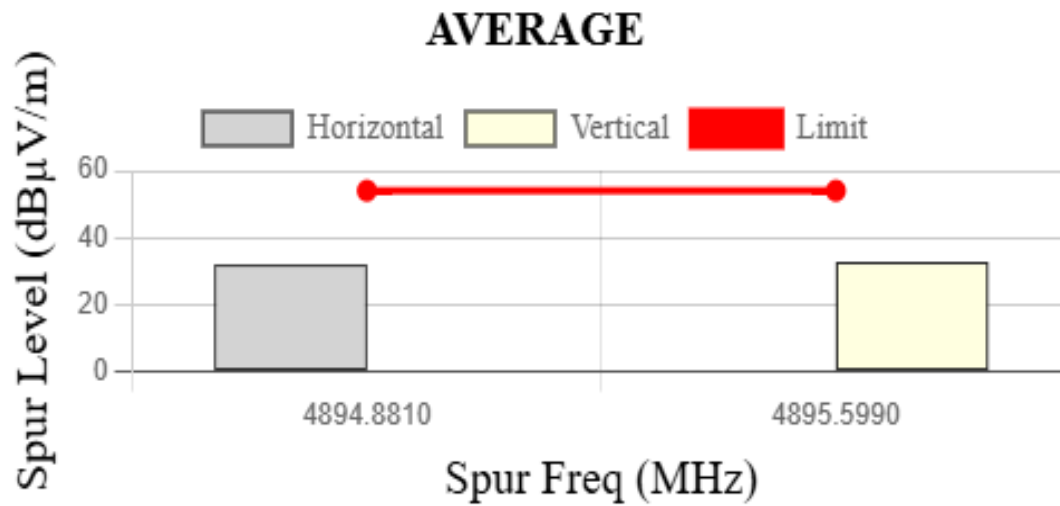
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5580.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	74.5540	30.35	40.00	9.65
Vertical	Quasi-Peak	74.5839	30.00	40.00	10.00
Vertical	Quasi-Peak	106.6830	24.24	43.50	19.26
Horizontal	Quasi-Peak	106.7170	29.56	43.50	13.94
Vertical	Quasi-Peak	148.1300	27.58	43.50	15.92
Horizontal	Quasi-Peak	148.1390	27.32	43.50	16.18
Horizontal	Quasi-Peak	226.9009	28.87	46.00	17.13
Vertical	Quasi-Peak	226.9239	17.73 *	46.00	28.27
Vertical	Quasi-Peak	249.9970	18.16 *	46.00	27.84
Horizontal	Quasi-Peak	250.0180	30.47	46.00	15.53
Vertical	Quasi-Peak	592.7820	26.82	46.00	19.18
Horizontal	Quasi-Peak	592.7870	27.54	46.00	18.46
Horizontal	Peak	4879.6530	48.02 *	74.00	25.98
Horizontal	Average	4879.6530	34.88	54.00	19.12
Vertical	Peak	4880.2210	48.73 *	74.00	25.27
Vertical	Average	4880.2210	35.61	54.00	18.39
Horizontal	Peak	5251.0080	47.79 *	68.20	20.41
Vertical	Peak	5251.3540	49.54	68.20	18.66

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

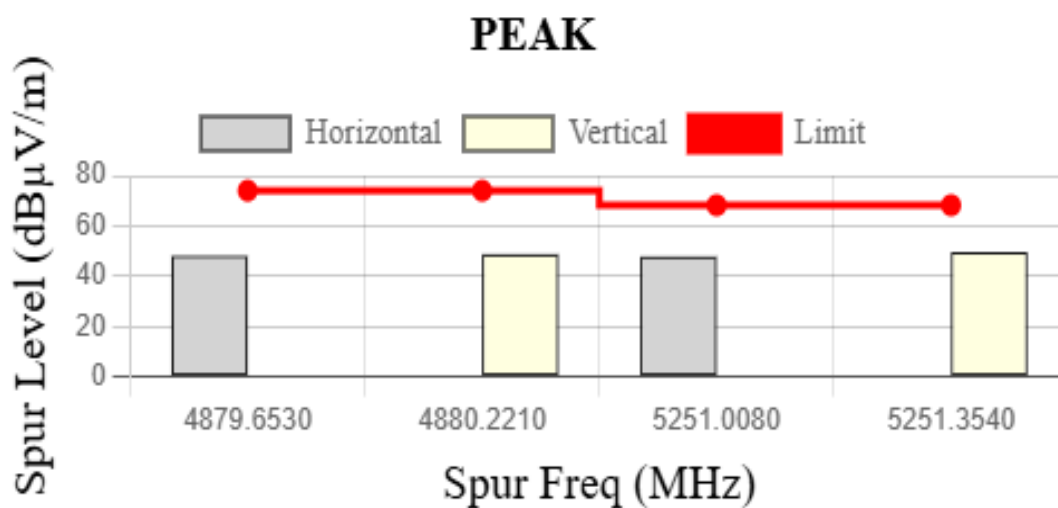
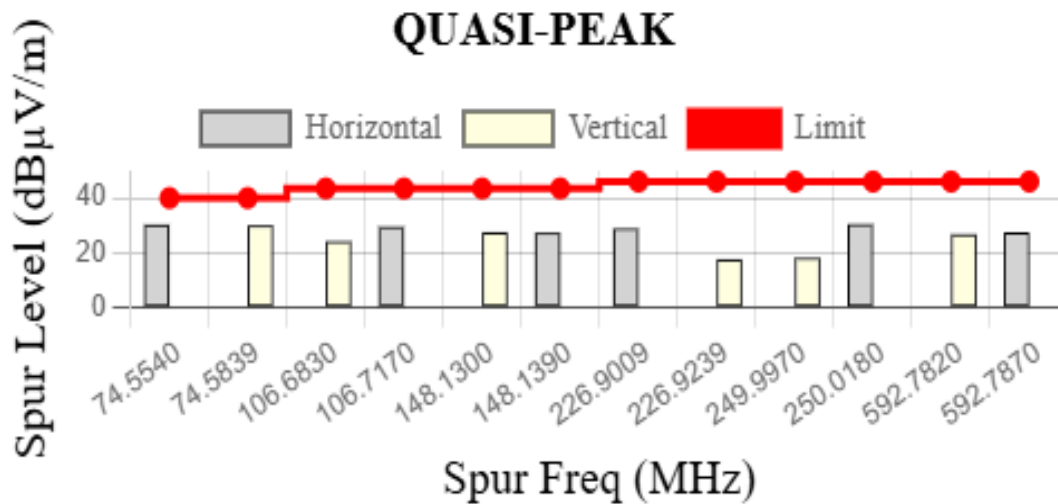
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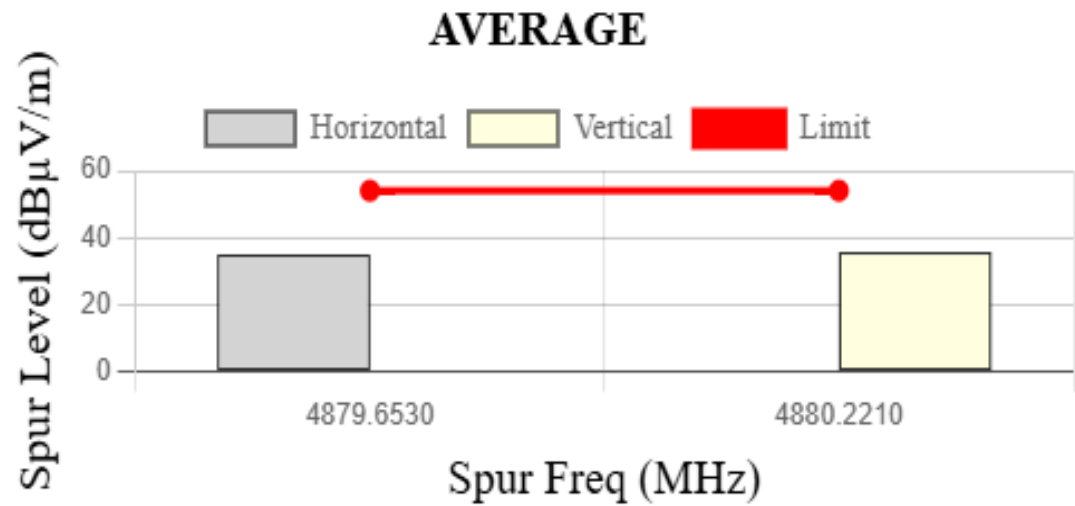
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5720.0000 Softpot Power : 13.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Quasi-Peak	74.5490	31.16	40.00	8.84
Horizontal	Quasi-Peak	74.5790	30.61	40.00	9.39
Vertical	Quasi-Peak	106.7160	24.39	43.50	19.11
Horizontal	Quasi-Peak	106.7240	29.77	43.50	13.73
Vertical	Quasi-Peak	146.1090	24.41	43.50	19.09
Horizontal	Quasi-Peak	146.1250	22.01 *	43.50	21.49
Horizontal	Quasi-Peak	226.9079	28.79	46.00	17.21
Vertical	Quasi-Peak	226.9239	22.17 *	46.00	23.83
Horizontal	Quasi-Peak	250.0100	30.16	46.00	15.84
Vertical	Quasi-Peak	250.0110	18.63 *	46.00	27.37
Horizontal	Quasi-Peak	592.7820	27.09	46.00	18.91
Vertical	Quasi-Peak	592.7930	26.46	46.00	19.54
Horizontal	Peak	1499.7390	38.24 *	74.00	35.76
Horizontal	Average	1499.7390	30.70 *	54.00	23.30
Vertical	Peak	1499.9350	39.59 *	74.00	34.41
Vertical	Average	1499.9350	32.56 *	54.00	21.44
Vertical	Peak	4286.3750	51.07 *	74.00	22.93
Vertical	Average	4286.3750	37.52	54.00	16.48
Horizontal	Peak	4286.6330	48.91 *	74.00	25.09
Horizontal	Average	4286.6330	36.72	54.00	17.28
Vertical	Peak	5884.0910	45.93 *	68.20	22.27
Horizontal	Peak	5884.1090	49.62	68.20	18.58

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

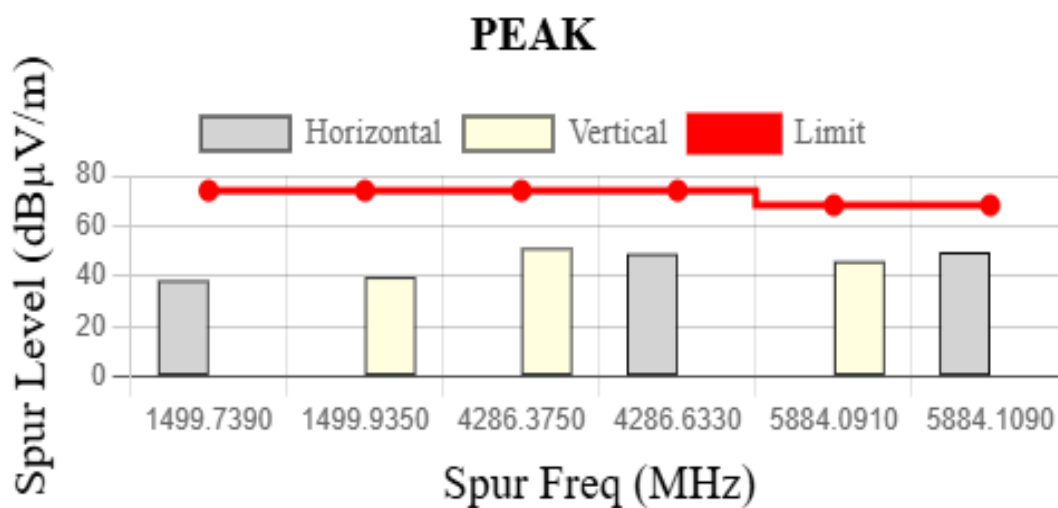
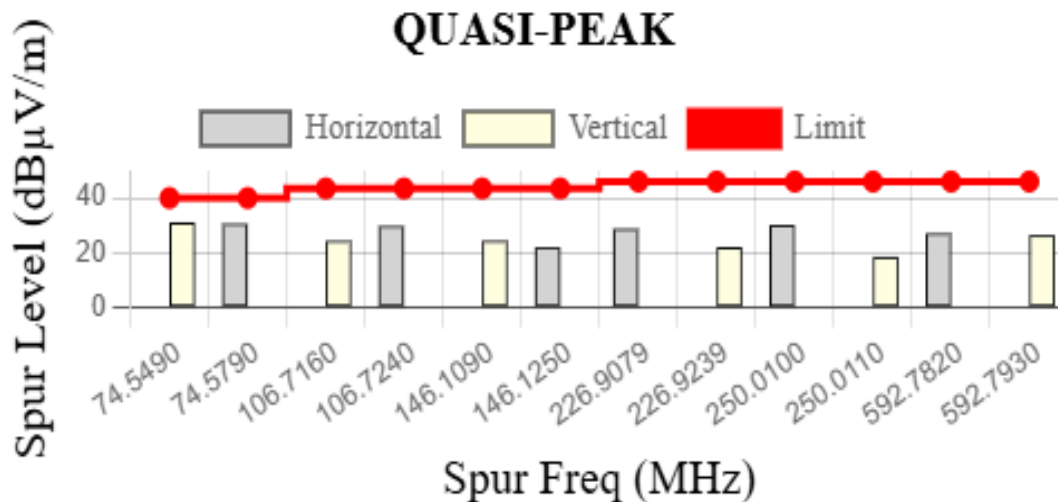
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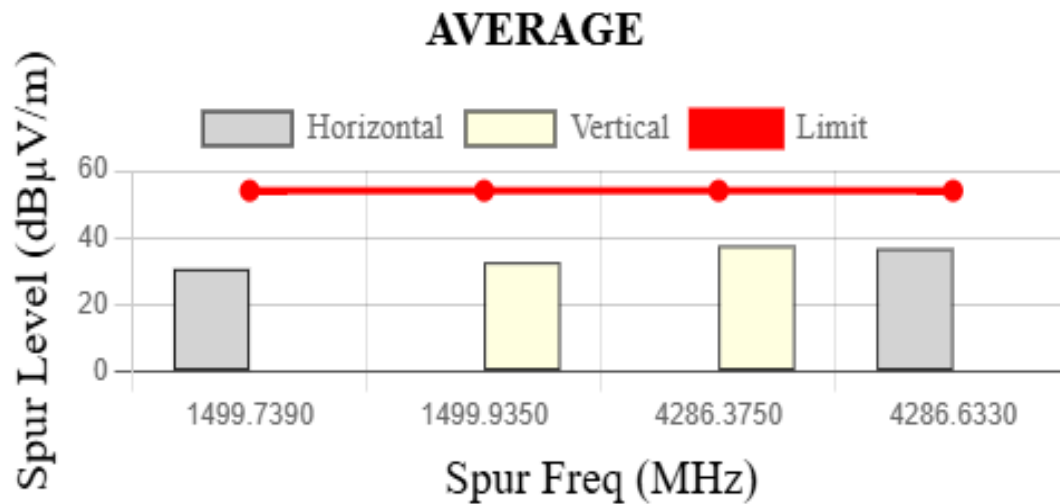
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5745.0000 Softpot Power : 12.00
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)
Horizontal	Quasi-Peak	74.5620	30.98	40.00	9.02
Vertical	Quasi-Peak	74.5800	31.37	40.00	8.63
Vertical	Quasi-Peak	106.7100	25.82	43.50	17.68
Horizontal	Quasi-Peak	106.7150	29.92	43.50	13.58
Vertical	Quasi-Peak	145.2450	25.64	43.50	17.86
Horizontal	Quasi-Peak	145.3079	22.90 *	43.50	20.60
Horizontal	Quasi-Peak	226.9189	28.34	46.00	17.66
Vertical	Quasi-Peak	226.9299	15.64 *	46.00	30.36
Horizontal	Quasi-Peak	249.9950	30.23	46.00	15.77
Vertical	Quasi-Peak	250.0090	21.54 *	46.00	24.46
Vertical	Quasi-Peak	592.7850	25.00 *	46.00	21.00
Horizontal	Quasi-Peak	592.7890	28.00	46.00	18.00
Vertical	Peak	1500.0120	38.82 *	74.00	35.18
Vertical	Average	1500.0120	31.58 *	54.00	22.42
Horizontal	Peak	1500.1540	38.17 *	74.00	35.83
Horizontal	Average	1500.1540	27.39 *	54.00	26.61
Vertical	Peak	4302.9730	44.08 *	74.00	29.92
Vertical	Average	4302.9730	30.09 *	54.00	23.91
Horizontal	Peak	4303.1200	46.53 *	74.00	27.47
Horizontal	Average	4303.1200	32.20 *	54.00	21.80
Horizontal	Peak	4858.7810	46.95 *	74.00	27.05
Horizontal	Average	4858.7810	30.37 *	54.00	23.63
Vertical	Peak	4858.9320	48.90 *	74.00	25.10
Vertical	Average	4858.9320	33.84 *	54.00	20.16
Vertical	Peak	5568.4110	50.39	68.20	17.81
Horizontal	Peak	5568.4940	44.71 *	68.20	23.49

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sat, 23 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

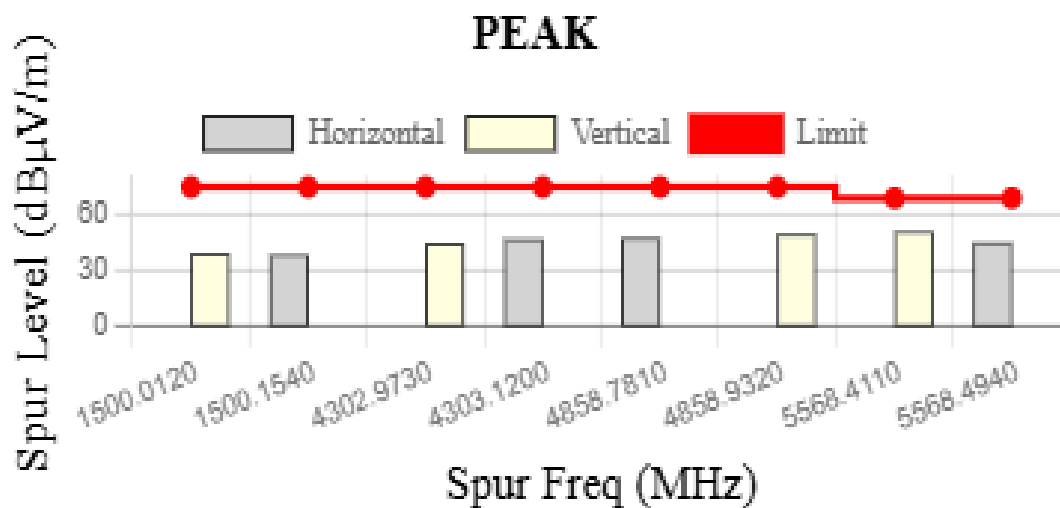
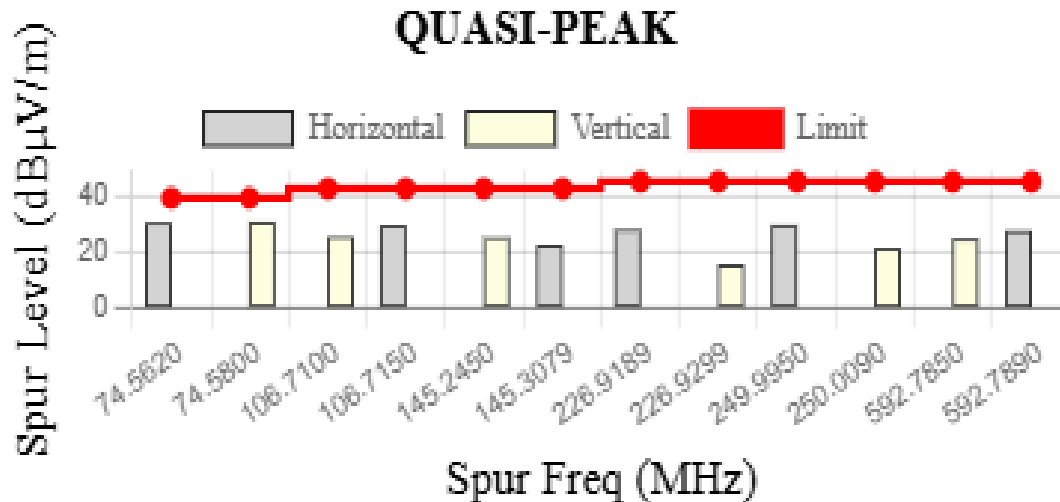
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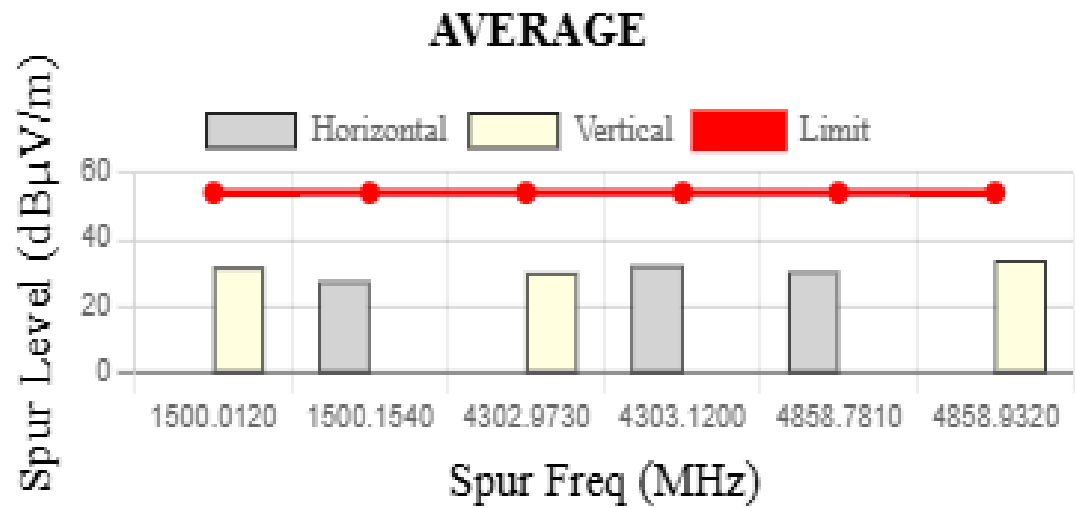
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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 : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5785.0000 Softpot Power : 12.00
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	Quasi-Peak	74.5540	30.73	40.00	9.27
Horizontal	Quasi-Peak	74.5580	24.59	40.00	15.41
Horizontal	Quasi-Peak	106.6910	28.60	43.50	14.90
Vertical	Quasi-Peak	106.7040	26.62	43.50	16.88
Horizontal	Quasi-Peak	148.0872	26.99	43.50	16.51
Vertical	Quasi-Peak	148.1041	27.64	43.50	15.86
Vertical	Quasi-Peak	226.9039	13.81 *	46.00	32.19
Horizontal	Quasi-Peak	226.9039	28.42	46.00	17.58
Vertical	Quasi-Peak	250.0040	18.07 *	46.00	27.93
Horizontal	Quasi-Peak	250.0070	30.33	46.00	15.67
Horizontal	Quasi-Peak	592.7600	24.02 *	46.00	21.98
Vertical	Quasi-Peak	592.7830	26.78	46.00	19.22
Horizontal	Peak	4336.7310	48.72 *	74.00	25.28
Horizontal	Average	4336.7310	35.07	54.00	18.93
Vertical	Peak	4337.2220	48.24 *	74.00	25.76
Vertical	Average	4337.2220	35.20	54.00	18.80
Horizontal	Peak	5405.9820	50.32 *	74.00	23.68
Horizontal	Average	5405.9820	34.80	54.00	19.20
Vertical	Peak	5406.5150	50.56 *	74.00	23.44
Vertical	Average	5406.5150	35.60	54.00	18.40
Horizontal	Peak	5601.8170	45.58 *	68.20	22.62
Vertical	Peak	5602.2880	46.26 *	68.20	21.94

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 23 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

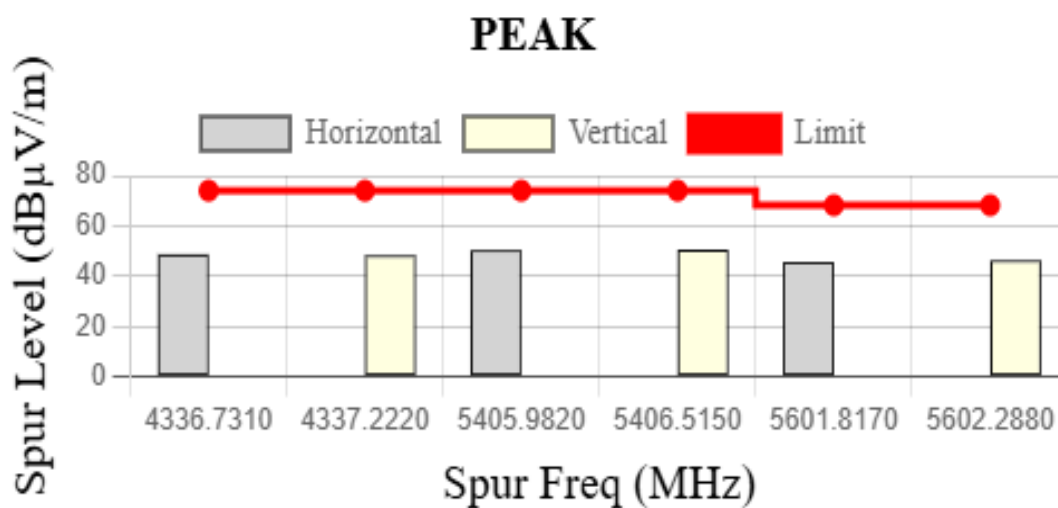
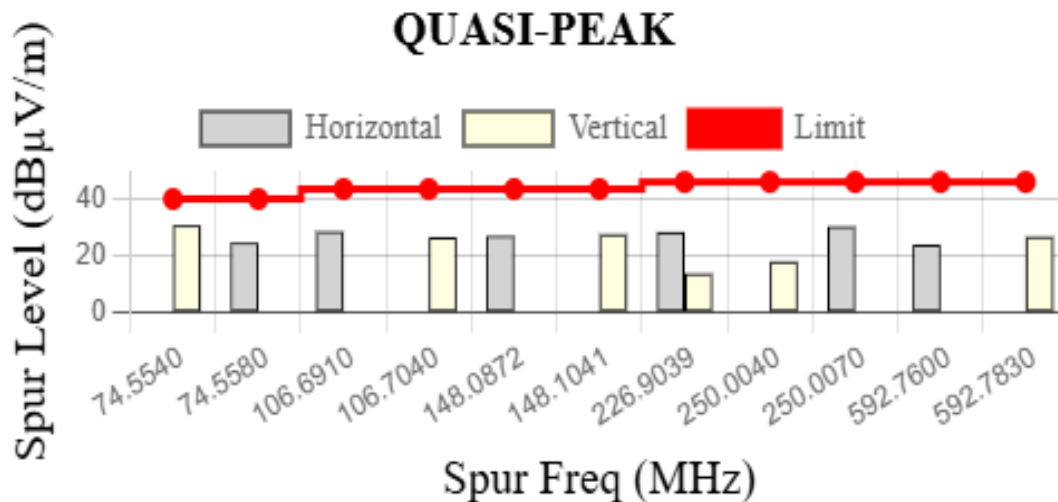
Remarks:

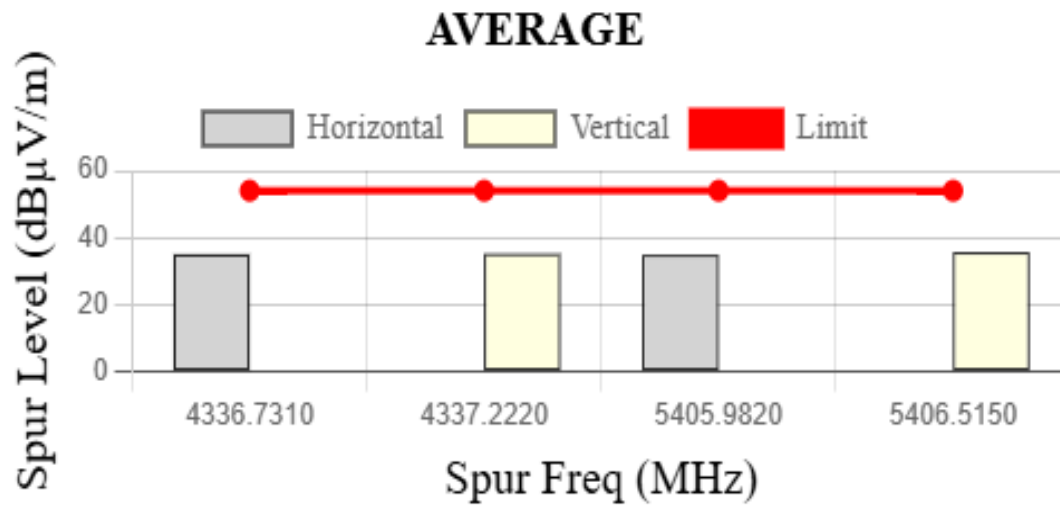
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

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





SAC TX Radiated Emission : 1470N00-EMC-00033

FCC ID : AZ492FT7191 IC : 109U-92FT7191
Model No : AAM29QNN9YA1AN Serial No : 008TCH0251
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PMLN8805A, PS000280A02-CF1, PMLN5072A, 3087791G01
Test Mode : Wifi 5.0 GHz 802.11n Channel SP/Bandwidth 20000.0000 (kHz) :
Test Frequency (MHz) : 5825.0000 Softpot Power : 12.00
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)
Horizontal	Quasi-Peak	74.5530	30.46	40.00	9.54
Vertical	Quasi-Peak	74.5570	31.74	40.00	8.26
Vertical	Quasi-Peak	76.5475	30.12	40.00	9.88
Horizontal	Quasi-Peak	77.2088	30.87	40.00	9.13
Horizontal	Quasi-Peak	106.6850	29.11	43.50	14.39
Vertical	Quasi-Peak	106.7110	26.60	43.50	16.90
Horizontal	Quasi-Peak	148.1121	26.39	43.50	17.11
Vertical	Quasi-Peak	148.1451	26.72	43.50	16.78
Vertical	Quasi-Peak	226.8949	16.38 *	46.00	29.62
Horizontal	Quasi-Peak	226.8959	28.84	46.00	17.16
Horizontal	Quasi-Peak	250.0140	30.42	46.00	15.58
Vertical	Quasi-Peak	250.0409	17.71 *	46.00	28.29
Horizontal	Peak	1499.8630	37.50 *	74.00	36.50
Horizontal	Average	1499.8630	29.87 *	54.00	24.13
Vertical	Peak	1500.1100	39.17 *	74.00	34.83
Vertical	Average	1500.1100	31.39 *	54.00	22.61
Vertical	Peak	4367.8580	51.59 *	74.00	22.41
Vertical	Average	4367.8580	38.91	54.00	15.09
Horizontal	Peak	4367.9470	50.41 *	74.00	23.59
Horizontal	Average	4367.9470	37.96	54.00	16.04
Vertical	Peak	4867.5280	47.66 *	74.00	26.34
Vertical	Average	4867.5280	32.85 *	54.00	21.15
Horizontal	Peak	4867.8040	46.18 *	74.00	27.82
Horizontal	Average	4867.8040	32.39 *	54.00	21.61
Horizontal	Peak	5602.8830	45.93 *	68.20	22.27
Vertical	Peak	5603.0630	50.59	68.20	17.61

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1470N00-RF-00019
FCC ID: AZ492FT7191
IC: 109U-92FT7191

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Sat, 23 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

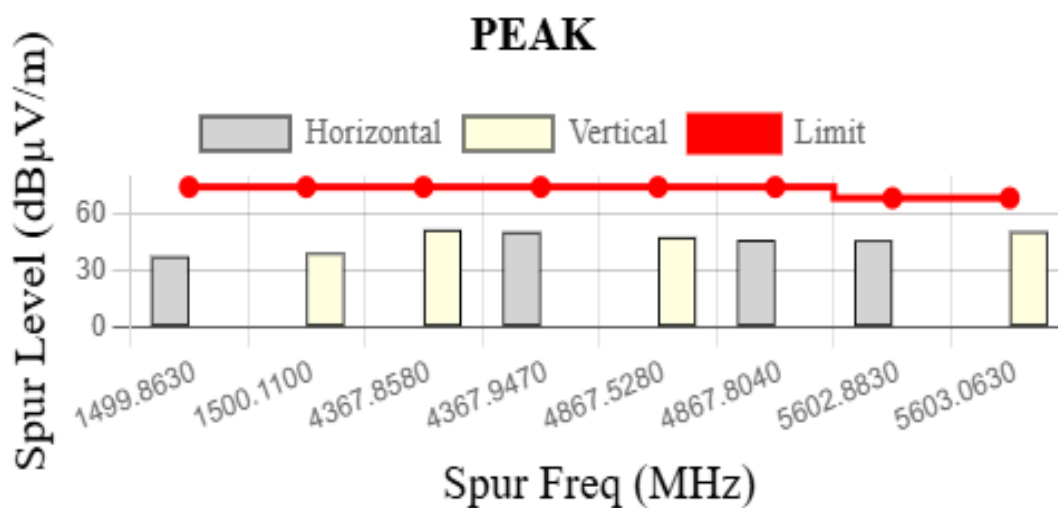
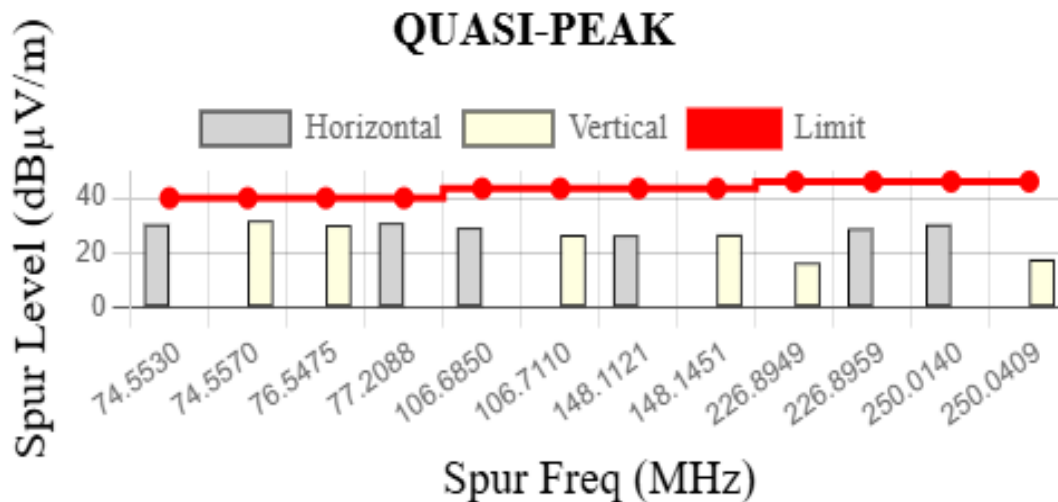
Remarks:

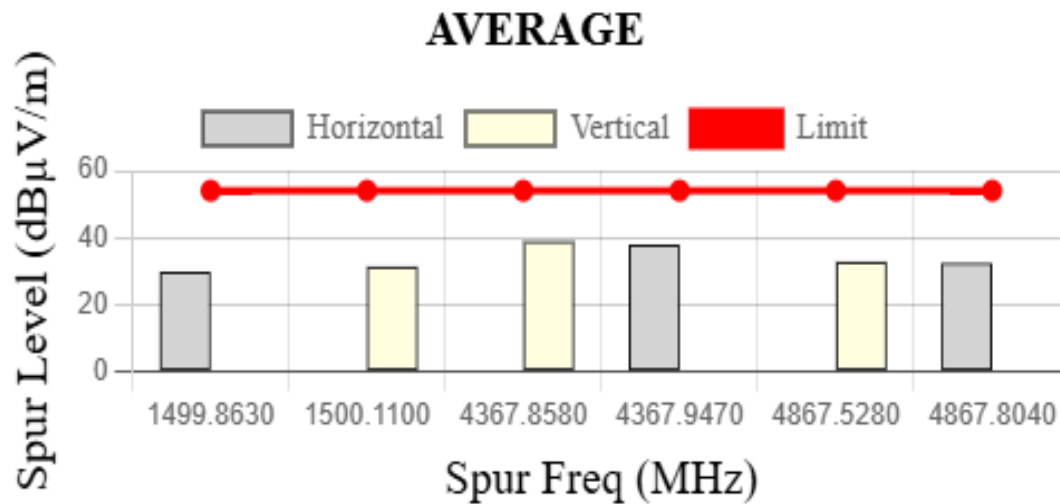
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

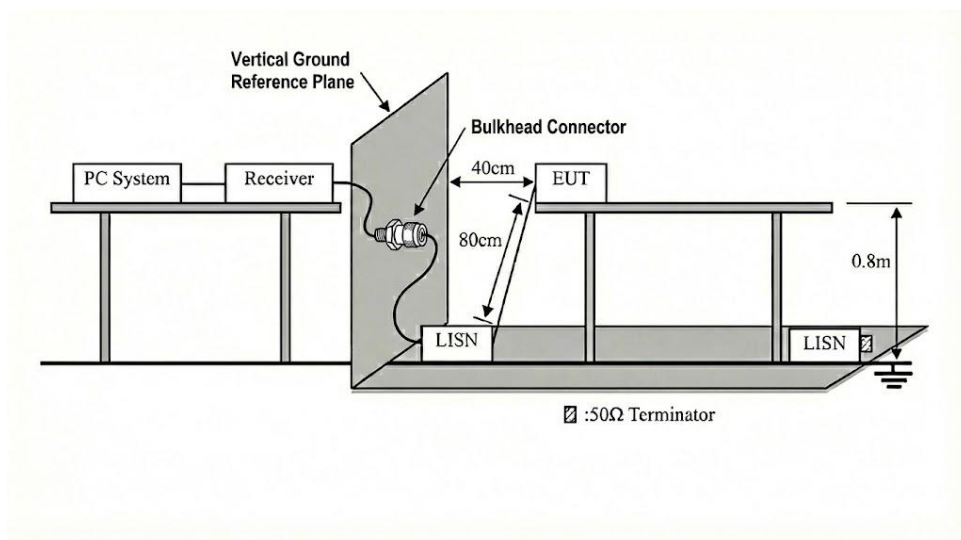
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.





7.8. AC Powerline Conducted Emission

7.8.1. 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 power cords 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.

7.8.2. 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(μ V)	
	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

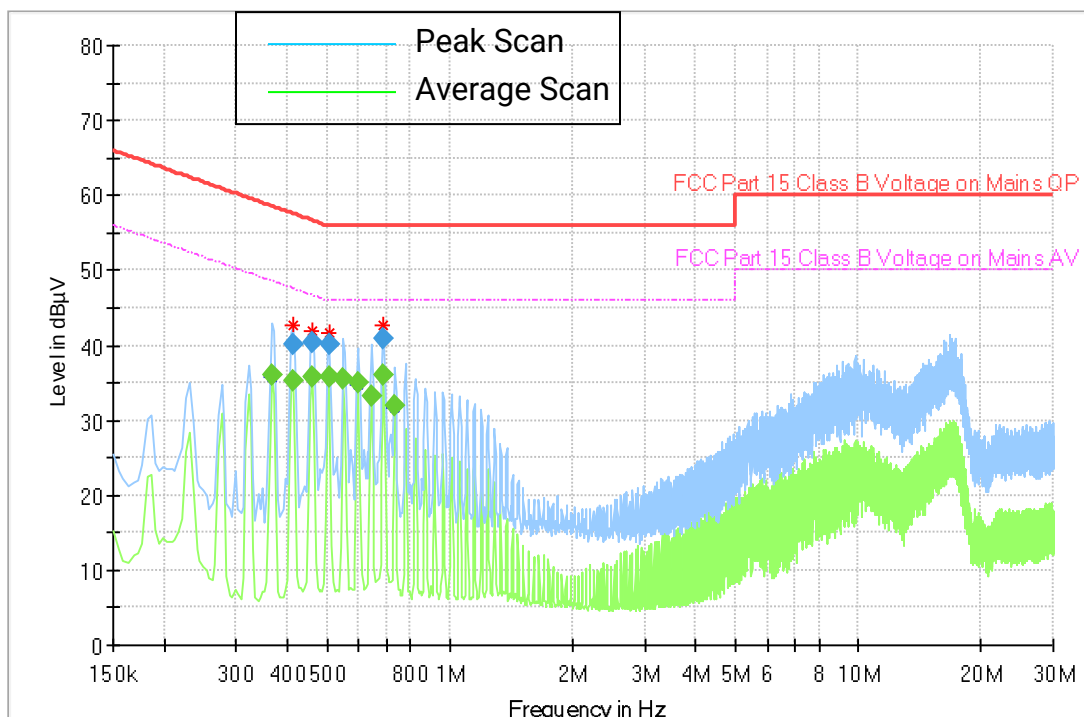
7.8.3. Test Data

Report ID: 1470N00-EMC-00033
 Temperature: 19.2 °C
 Humidity: 57.2 %RH
 Tester: Helmy
 Date of Test: 20 May 2026

120VAC, 60Hz

PSU + Radio (WIFI 5GHz Transmit, CH: 5240, Mod: 802.11a)

Full Spectrum



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.366000	---	35.93	48.59	12.67	N	ON	10.0
0.415500	40.25	---	57.54	17.29	L1	ON	10.0
0.415500	---	35.31	47.54	12.23	N	ON	10.0
0.460500	40.33	---	56.68	16.35	L1	ON	10.0
0.460500	---	35.86	46.68	10.83	N	ON	10.0
0.505500	---	35.84	46.00	10.16	N	ON	10.0
0.505500	40.02	---	56.00	15.98	N	ON	10.0
0.550500	---	35.53	46.00	10.47	N	ON	10.0
0.595500	---	34.90	46.00	11.10	L1	ON	10.0
0.645000	---	33.34	46.00	12.66	L1	ON	9.9
0.690000	---	36.05	46.00	9.95	N	ON	9.9
0.690000	40.96	---	56.00	15.04	N	ON	9.9
0.735000	---	31.85	46.00	14.15	N	ON	9.9

END OF TEST REPORT