

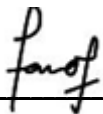
																																	
MOTOROLA PENANG ADV. COMM. LABORATORY Motorola Solutions Malaysia Sdn. Bhd. Plot 2A Medan Bayan Lepas, Mukim 12, S.W.D. 11900 Bayan Lepas, Penang, Malaysia.	FCC / ISED TEST REPORT Report Revision : Rev.A																																
<table><tr><td>Date/s Tested</td><td>: 06-May-2026 - 04-June-2026</td></tr><tr><td>Report Issue Date</td><td>: 18-June-2026</td></tr><tr><td>Test Location</td><td>: MOTOROLA PENANG ADV. COMM. LABORATORY</td></tr><tr><td>Manufacturer/Location</td><td>: Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 S.W.D 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>: 2.402 - 2.480 GHz</td></tr><tr><td>Max RF Output Power</td><td>: GFSK - 11.22mW PI/4 DQPSK & 8DPSK - 15.85mW</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 S.W.D. 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>FCC Registrations</td><td>: 461337</td></tr><tr><td>CAB ID</td><td>: MY0001</td></tr><tr><td>Firmware Version Identification Number (FVIN)</td><td>: D02.26.02.0175</td></tr></table> The equipment was tested accordance to the requirement listed below: <table><tr><td>(2.4GHz BT) FCC 47CFR Part 15C ISED RSS 247 Issue 4</td><td>PASS</td></tr></table>		Date/s Tested	: 06-May-2026 - 04-June-2026	Report Issue Date	: 18-June-2026	Test Location	: MOTOROLA PENANG ADV. COMM. LABORATORY	Manufacturer/Location	: Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 S.W.D 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	: 2.402 - 2.480 GHz	Max RF Output Power	: GFSK - 11.22mW PI/4 DQPSK & 8DPSK - 15.85mW	Applicant Name	: Motorola Solutions Inc	Applicant Address	: Plot 2A, Medan Bayan Lepas, Mukim 12 S.W.D. 11900 Bayan Lepas, Penang, Malaysia	FCC Registrations	: 461337	CAB ID	: MY0001	Firmware Version Identification Number (FVIN)	: D02.26.02.0175	(2.4GHz BT) FCC 47CFR Part 15C ISED RSS 247 Issue 4	PASS
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Prepared By:  SITI NURHIDAYATI BINTI ABDUL HALIM Test Personnel	Approved Signatory:  VINCENT FOONG CHUEN KIT Responsible Engineer																																

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REVISION HISTORY

Revision History	Description	Date	Originator
Rev. A	Initial Report	18-June-2026	Hidayati

1.0. General Information

EUT Description:

Technologies	2.4GHz BT
TX Frequency range	2402MHz – 2480MHz
Modulation Type	GFSK, Pi/4 DQPSK,8DPSK
Connector type	PROGRAMMING, TEST & ALIGNMENT CABLE
Antenna type	PIFA
Temporary RF Connector	0.56dB

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

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

Channel number and frequency information:

79 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

General Description of Applied Standards

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

FCC 47 CFR Part 15 Subpart C

KDB 558074 D01 15.247 Meas Guidance v05

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

Deviation from standard

Not applicable as no deviation from standard test method

Modifications to EUT

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

2.0. Summary of Test Results

FCC Clause	ISED Clause	Test Item	Result	Remark	Serial number tested	Tested by
15.247 (b)(1)	RSS-247 5.4(b)	Conducted RF Output Power (Peak)	Pass	Highest output power: 10.730dBm (11.830mW)	008TCH0246	Hidayati
15.247 (a)(1)	RSS-247 5.1(a) RSS-247 5.1(b)	(1) 20dB Channel Bandwidth (2) Channel Separation	Pass	GFSK – 974KF1D Pi/4 DQPSK – 1M33G1D 8DPSK - 1M31G1D	008TCH0246	Hidayati
15.247(a)(1)(iii)	RSS-247 5.1(d)	Number of hopping Frequency used	Pass	Meet the limit requirement.	008TCH0246	Hidayati
15.247(a)(1)(iii)	RSS-247 5.1(d)	Dwell time on each channel	Pass	Meet the limit requirement.	008TCH0246	Hidayati
15.247 (d)	RSS-247 5.5	Band Edge Conducted Spurious Emission	Pass	Worst case emission: -44.11dB	008TCH0246	Hidayati
15.247 (d)	RSS-247 5.5	Conducted Spurious Emission	Pass	Worst case emission: -42.552dBm	008TCH0246	Hidayati
15.205, 15.209, 15.247 (d)	RSS-247 5.5	Radiated Emission within Restricted Bands	Pass	Worst case emission: RBE: 42.63dBuV/m (Margin: 11.37dB) RSE: 31.54dBuV/m (Margin: 8.46dB)	008TCH0251	Nazrin, Rezza & Fuad
15.207	RSS-Gen 8.8	AC Powerline Conducted Emission	Pass	Meet the limit requirement.	008TCH0251	Helmy
15.203	-	Antenna Requirement	NA	Internal antenna is not accessible to the end-user	NA	NA

3.0. Measurement Uncertainty

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

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

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

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

CISPR 16-4-2:

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

Final Reported Test Results

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

Reported RF Measurement Results = Measured Measurement Results + Correction Factor

Where:

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

4.0. Equipment List

Bluetooth ATE # 1 (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	MY40001438	27-Aug-25	27-Aug-26
SPECTRUM ANALYZER	E4440A	MY46185415	15-Jan-25	15-Jul-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.

5.0. Test Mode Applicability and Test Channel Detail

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	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Environmental Conditions
Test Mode	0 to 78	0,39,78	FHSS	GFSK, Pi/4 DQPSK,8DPSK	23.7C, 68.9%RH

Radiated Emission Test (Below 1GHz)

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

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

EUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Environmental Conditions
Test Mode	0 to 78	0,39,78	FHSS	GFSK, Pi/4 DQPSK,8DPSK	23.7°C, 68.9%RH

Power Line Conducted Emission Test

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

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

NAEUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Environmental Conditions
Application Mode	0 to 78	AUTO	FHSS	AUTO	19.3°C, 56.7%RH

Antenna Port Conducted Measurement:

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

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

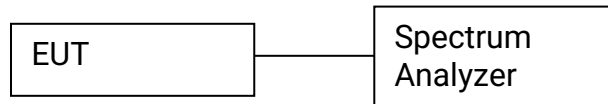
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Environmental Conditions
Test Mode	0 to 78	0,39,78	FHSS	GFSK, Pi/4 DQPSK,8DPSK	25°C, 54.8%RH

6.0. Transmitter Test Parameters

6.1. Conducted RF Output Power (Peak)

6.1.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and set EUT to transmit maximum data rate with hopping disable.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = > 20 dB bandwidth
 - b. VBW = RBW
 - c. Detector mode = Peak
 - d. AMPLITUDE → Scale/Div = 10 dB
 - e. Trace = Max hold
 - f. Sweep = auto
- e) Measure the captured power within the band and recording the plot.
- f) Repeat above procedure with other different mode of operation.

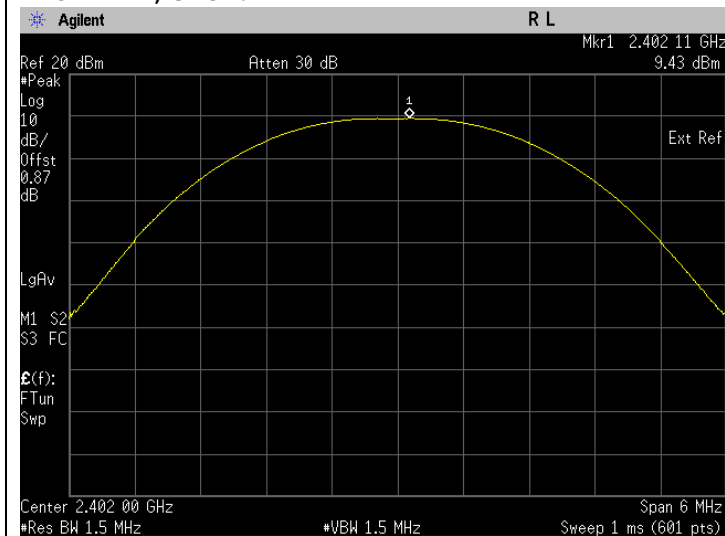
6.1.2. Test Limits:

Normal Condition (25 ° C)
≤ 125mW (or 20.9dBm)

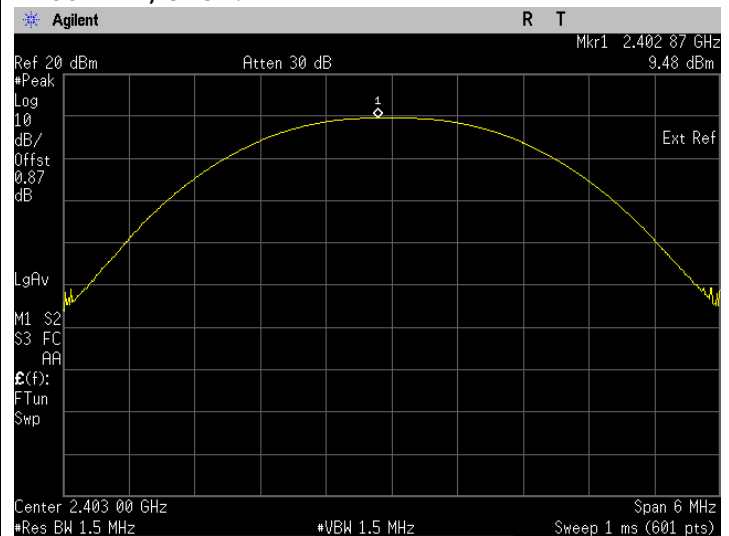
6.1.3. Test Data:

Test Conditions			Results	
Modulation	Voltage(V)	Test Frequency (GHz)	dBm	Status
GFSK	13.60	2.4020	9.432	Pass
		2.4030	9.480	Pass
		2.4410	9.201	Pass
		2.4790	9.150	Pass
		2.4800	9.058	Pass
Pi/4 DQPSK	13.60	2.4020	10.510	Pass
		2.4030	10.490	Pass
		2.4410	10.202	Pass
		2.4790	10.130	Pass
		2.4800	10.045	Pass
8DPSK	13.60	2.4020	10.706	Pass
		2.4030	10.730	Pass
		2.4410	10.446	Pass
		2.4790	10.380	Pass
		2.4800	10.314	Pass

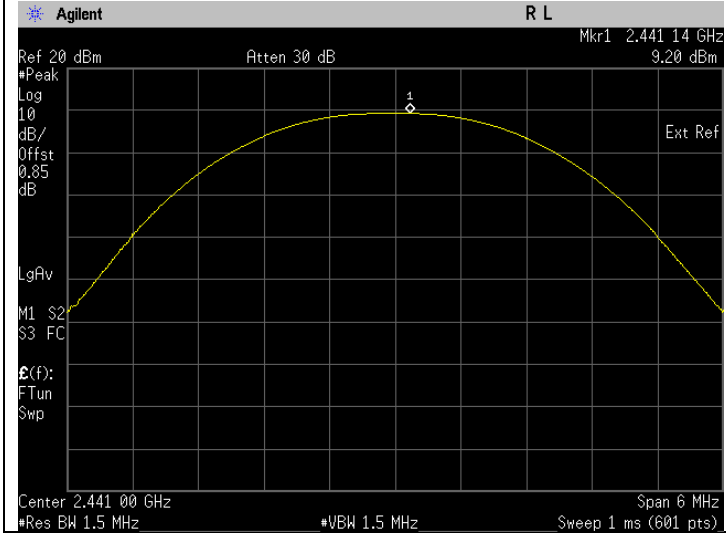
The Conducted RF Output Power test with result at 2402 MHz, GFSK.



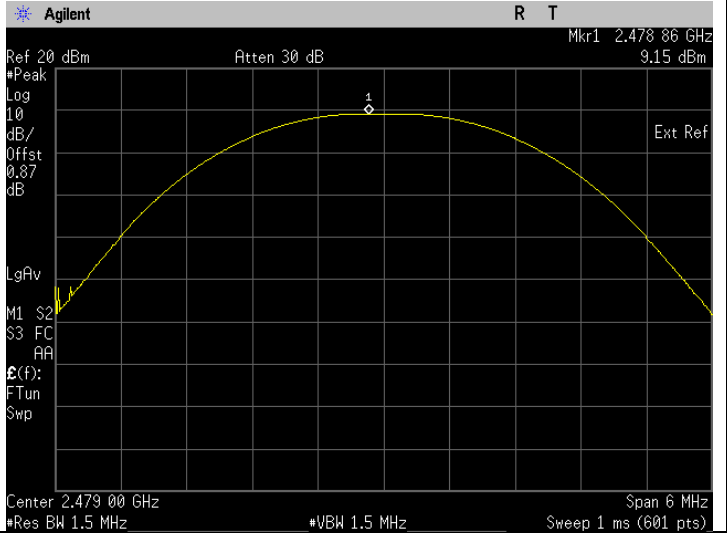
The Conducted RF Output Power test with result at 2403 MHz, GFSK.



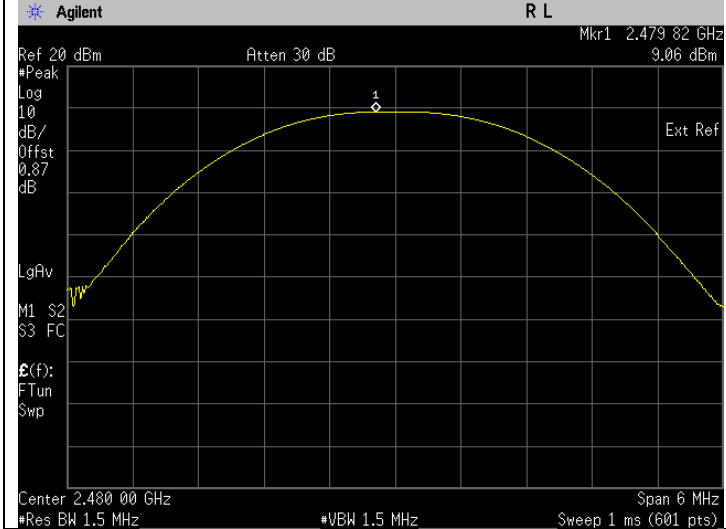
The Conducted RF Output Power test with result at 2441 MHz, GFSK.



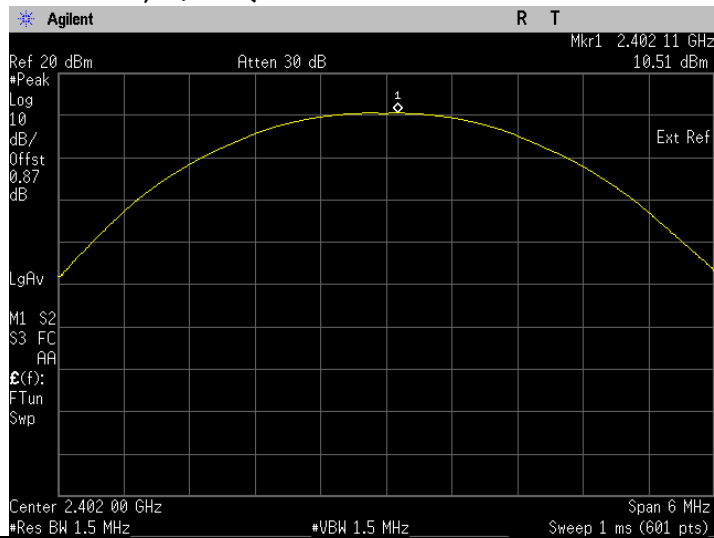
The Conducted RF Output Power test with result at 2479 MHz, GFSK.



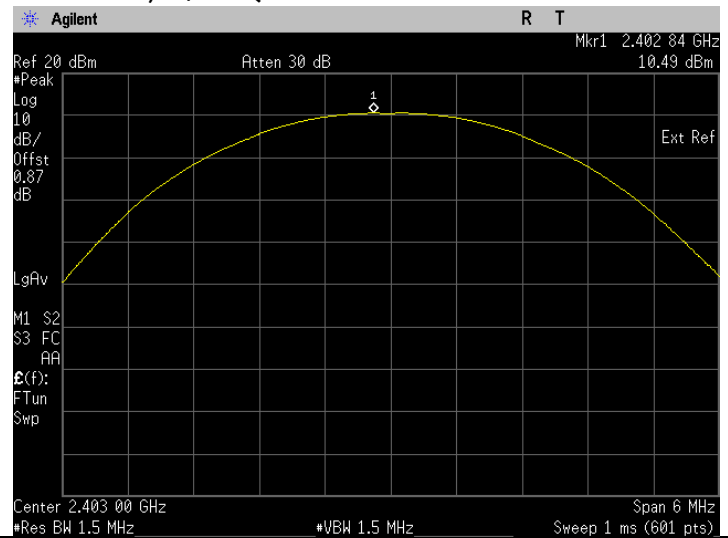
The Conducted RF Output Power test with result at 2480 MHz, GFSK.



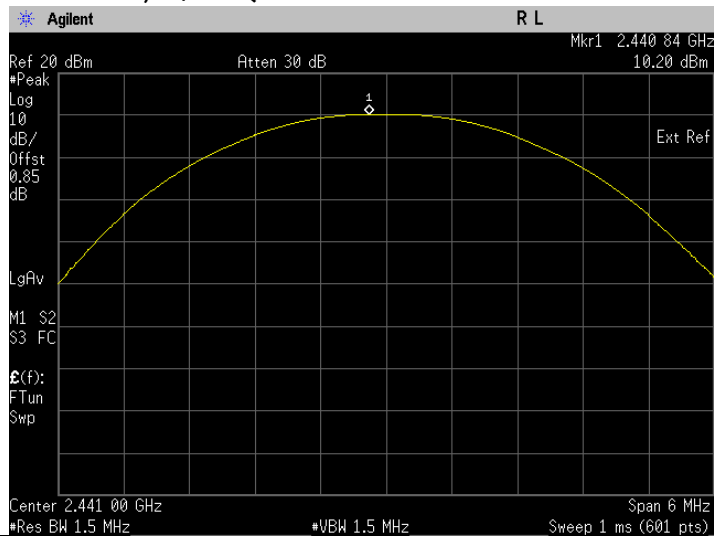
The Conducted RF Output Power test with result at 2402 MHz, Pi/4 DQPSK.



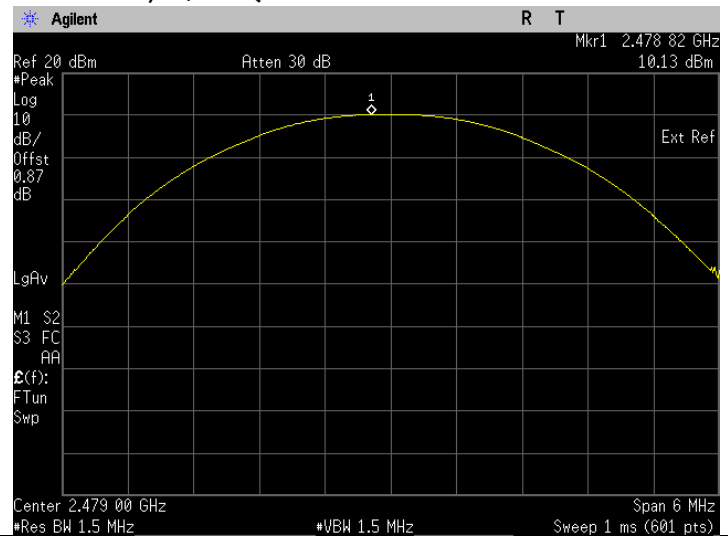
The Conducted RF Output Power test with result at 2403 MHz, Pi/4 DQPSK.



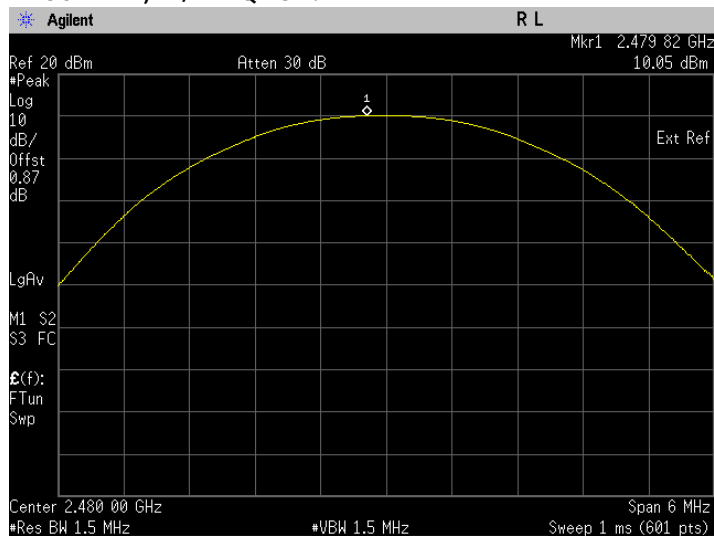
The Conducted RF Output Power test with result at 2441 MHz, Pi/4 DQPSK.



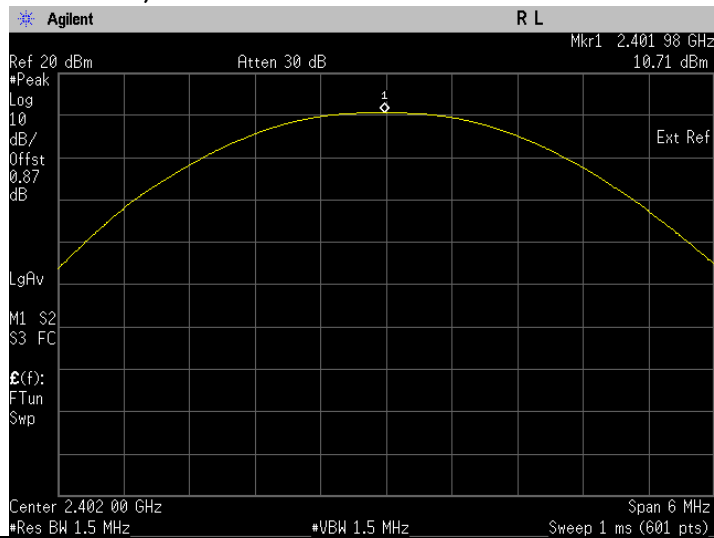
The Conducted RF Output Power test with result at 2479 MHz, Pi/4 DQPSK.



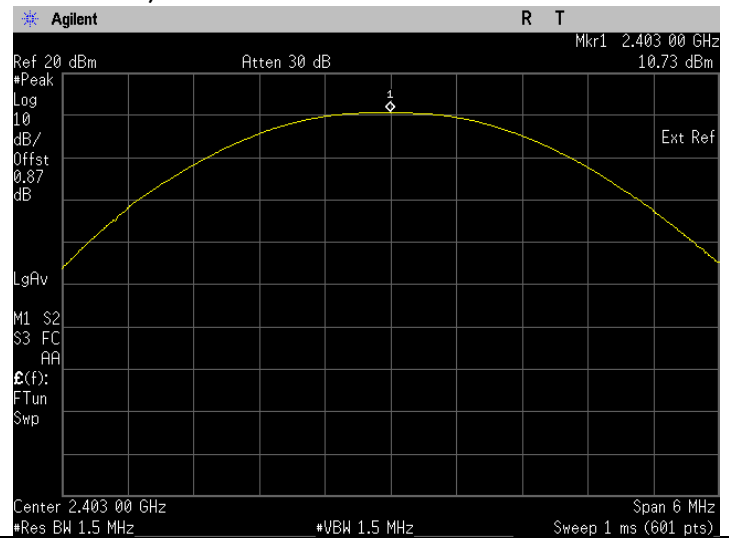
The Conducted RF Output Power test with result at 2480 MHz, Pi/4 DQPSK.



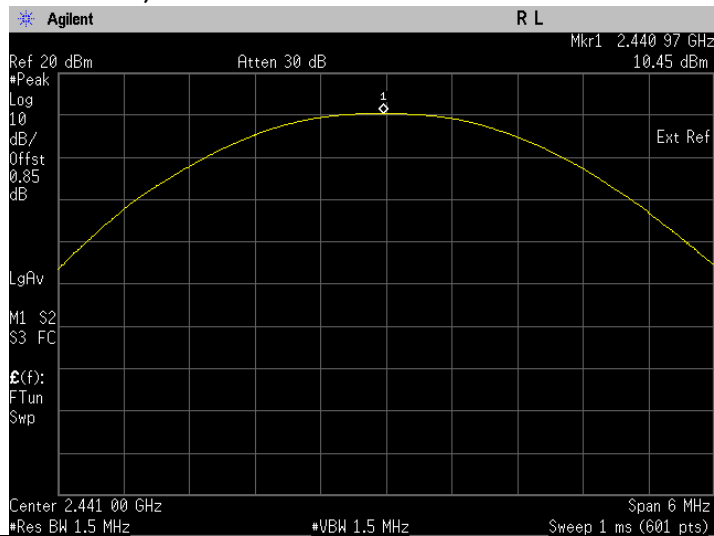
The Conducted RF Output Power test with result at 2402 MHz, 8DPSK.



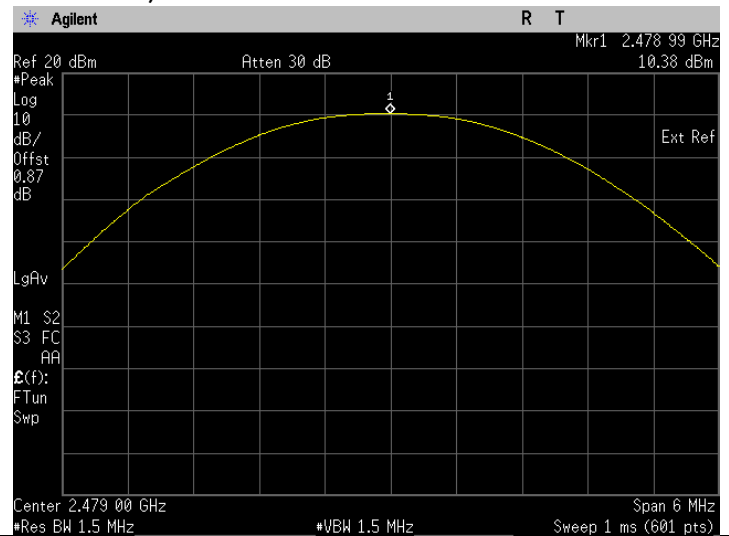
The Conducted RF Output Power test with result at 2403 MHz, 8DPSK.



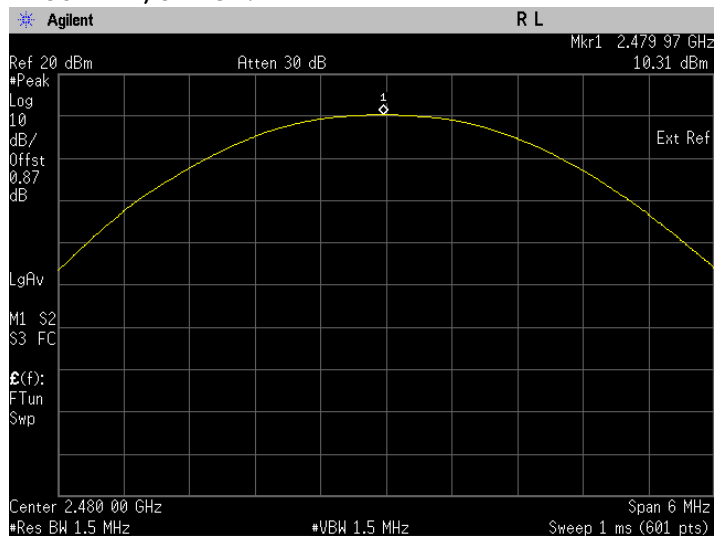
The Conducted RF Output Power test with result at 2441 MHz, 8DPSK.



The Conducted RF Output Power test with result at 2479 MHz, 8DPSK.

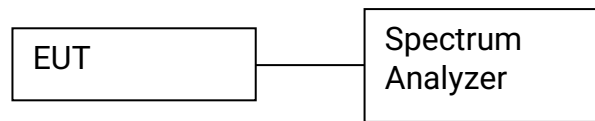


The Conducted RF Output Power test with result at 2480 MHz, 8DPSK.



6.2. 20dB Channel Bandwidth

6.2.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and set EUT to transmit maximum data rate with hopping disable.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = 30 kHz
 - b. VBW = 100 kHz
 - c. SPAN = 3 MHz, center on test frequency
 - d. AMPLITUDE → Scale/Div = 10 dB
 - e. Detector mode = Peak
 - f. Trace = Max hold
 - g. Sweep = auto
- e) Measure the freq different of two frequencies that were attenuated 20dB from peak of the emission & record the frequency difference as the emission bandwidth.
- f) Save the plot result from spectrum analyzer screen.
- g) Repeat above procedure with other different mode of operation.

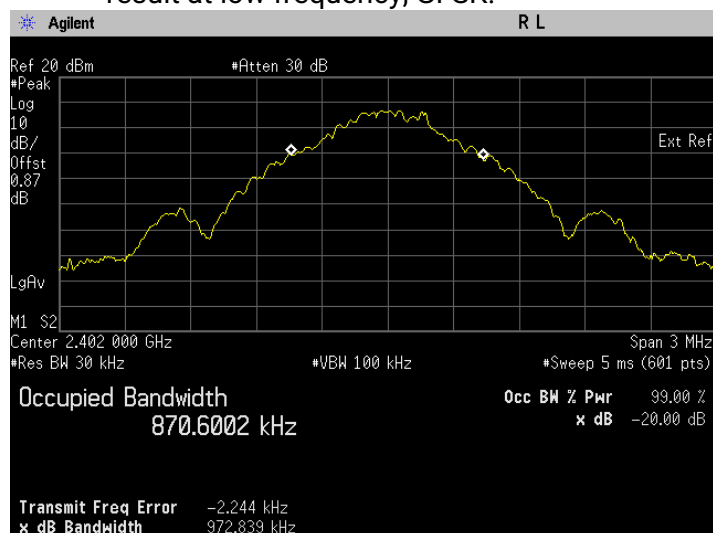
6.2.2. Test Limits:

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

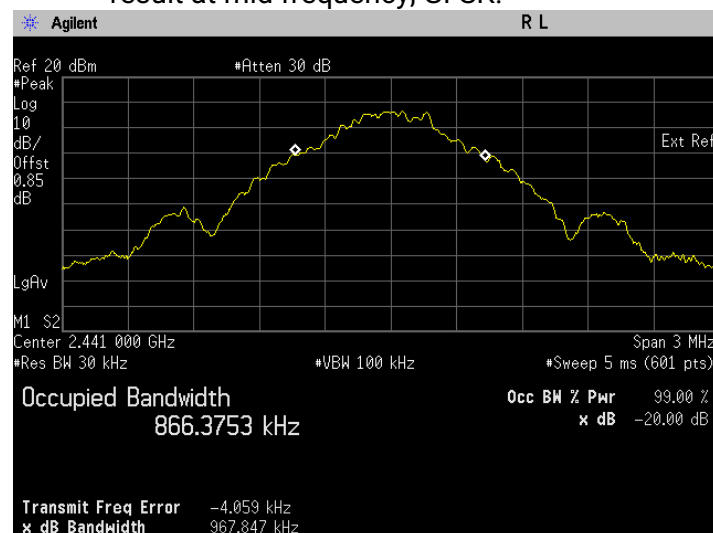
6.2.3. Test Data:

Test Conditions		Test Frequency	Results		
Modulation Type	Voltage(V)	TX (GHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Status
GFSK	13.60	2.4020	0.973	0.871	Pass
		2.4410	0.968	0.866	Pass
		2.4800	0.974	0.867	Pass
Pi/4 DQPSK	13.60	2.4020	1.321	1.181	Pass
		2.4410	1.326	1.182	Pass
		2.4800	1.321	1.177	Pass
8DPSK	13.60	2.4020	1.307	1.182	Pass
		2.4410	1.307	1.180	Pass
		2.4800	1.307	1.181	Pass

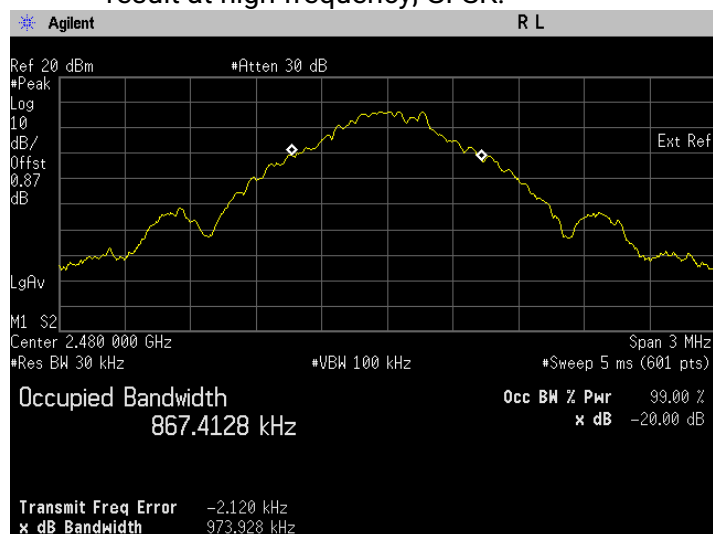
i. The 20 dB BW & occupied bandwidth test with result at low frequency, GFSK.



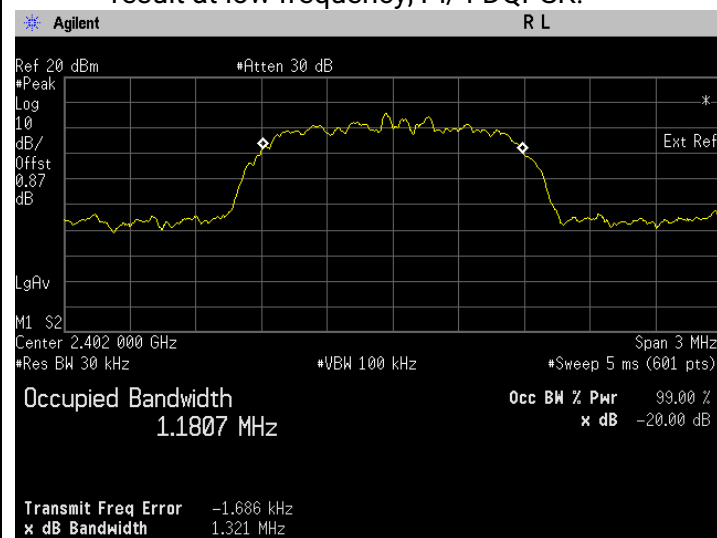
ii. The 20 dB BW & occupied bandwidth test with result at mid frequency, GFSK.



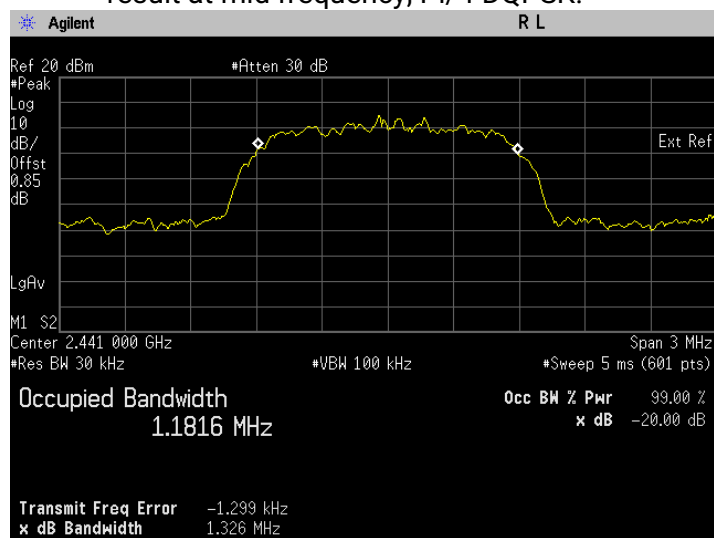
iii. The 20 dB BW & occupied bandwidth test with result at high frequency, GFSK.



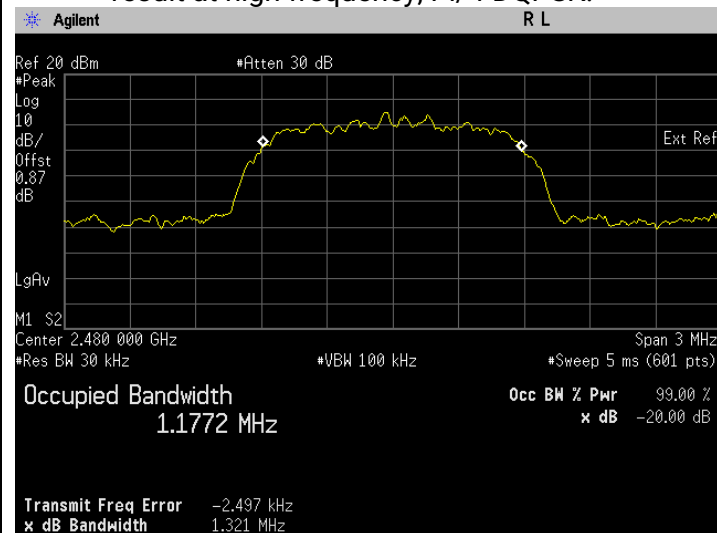
i. The 20 dB BW & occupied bandwidth test with result at low frequency, Pi/4 DQPSK.



ii. The 20 dB BW & occupied bandwidth test with result at mid frequency, Pi/4 DQPSK.

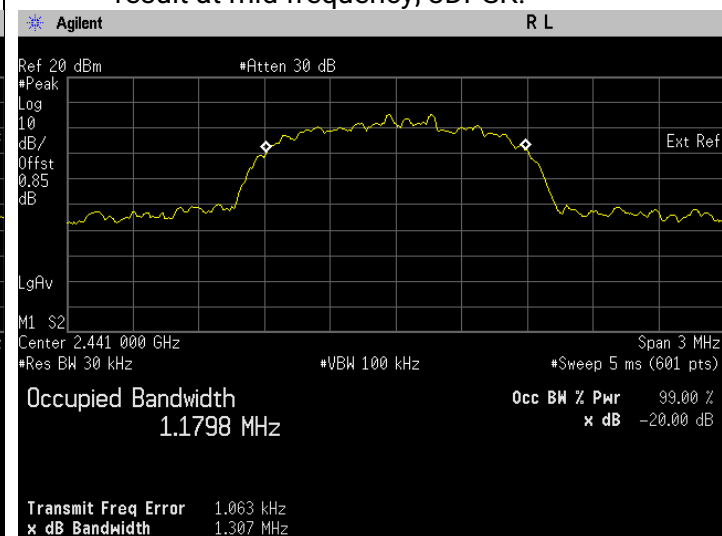
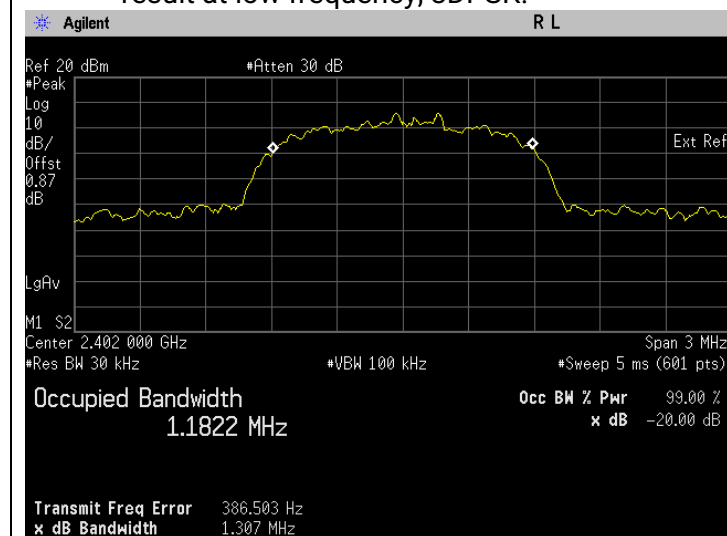


iii. The 20 dB BW & occupied bandwidth test with result at high frequency, Pi/4 DQPSK.

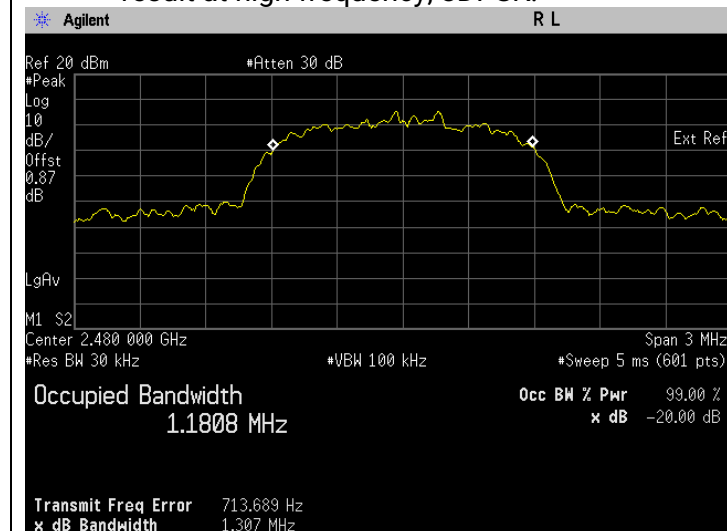


i. The 20 dB BW & occupied bandwidth test with result at low frequency, 8DPSK.

ii. The 20 dB BW & occupied bandwidth test with result at mid frequency, 8DPSK.

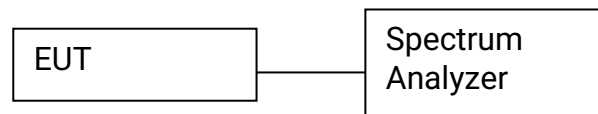


iii. The 20 dB BW & occupied bandwidth test with result at high frequency, 8DPSK.



6.3. Band-edge Conducted Spurious Emission

6.3.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and keep the EUT in hopping mode.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. SPAN = 4 MHz (Low channel) or 6MHz (High Channel)
 - d. Detector mode = Peak
 - e. AMPLITUDE → Scale/Div = 10 dB
 - f. Trace = Max hold
 - g. Sweep = auto
- e) Measure the captured band edge emission result and recording the plot.
- f) Repeat above on EUT with hopping disable.
- g) Repeat above procedure with other different test frequency.

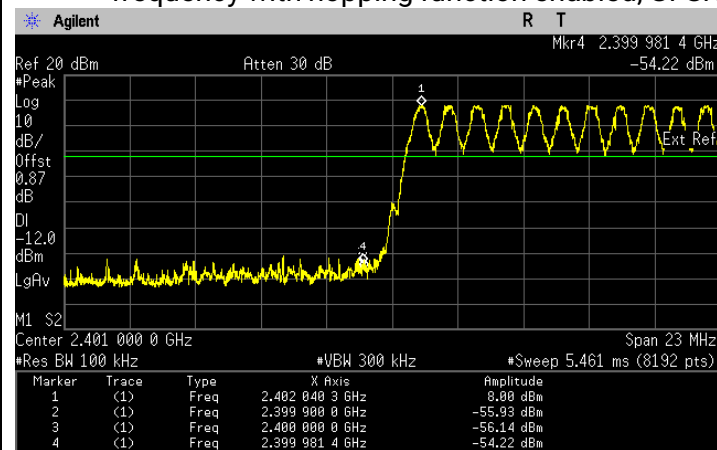
6.3.2. Test Limits

Normal Condition (25 ° C)
Shall be at least 20 dB below the peak power.

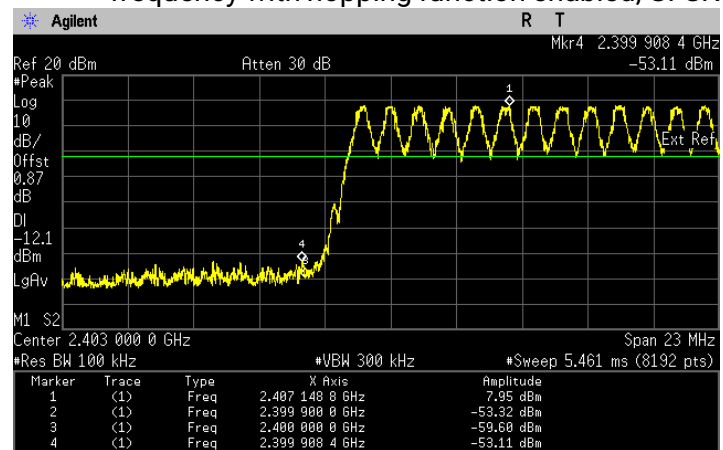
6.3.3. Test Result

Test Conditions				Results	
Modulation	Voltage(V)	Hopping Method	Test Frequency (GHz)	dB	Status
GFSK	13.60	Enabled (continuously)	2.402	-54.22	Pass
			2.403	-53.11	Pass
			2.479	-57.56	Pass
			2.480	-55.53	Pass
		Disabled (constantly)	2.402	-51.42	Pass
			2.403	-53.90	Pass
			2.479	-57.77	Pass
			2.480	-56.70	Pass
Pi/4 DQPSK	13.60	Enabled (continuously)	2.402	-51.24	Pass
			2.403	-51.87	Pass
			2.479	-52.06	Pass
			2.480	-56.20	Pass
		Disabled (constantly)	2.402	-49.49	Pass
			2.403	-54.75	Pass
			2.479	-57.34	Pass
			2.480	-55.69	Pass
8 DPSK	13.60	Enabled (continuously)	2.402	-46.08	Pass
			2.403	-46.77	Pass
			2.479	-55.45	Pass
			2.480	-55.02	Pass
		Disabled (constantly)	2.402	-44.11	Pass
			2.403	-52.78	Pass
			2.479	-55.20	Pass
			2.480	-53.14	Pass

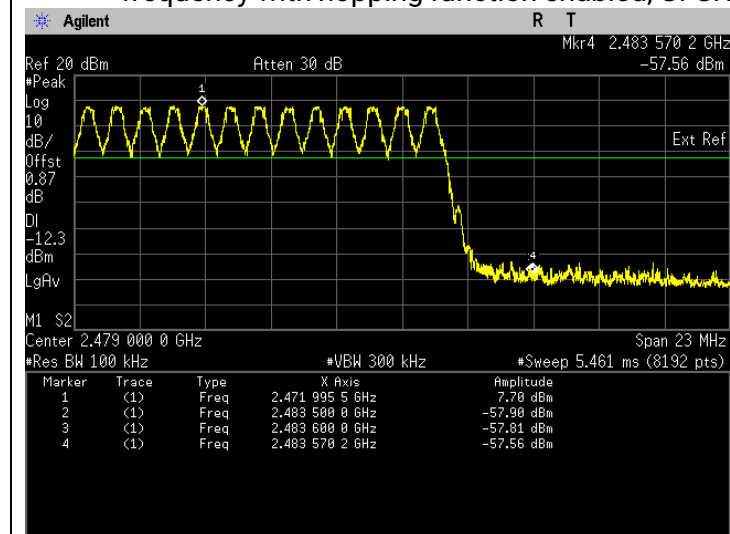
i. The highest band edge emission at low carrier frequency with hopping function enabled, GFSK



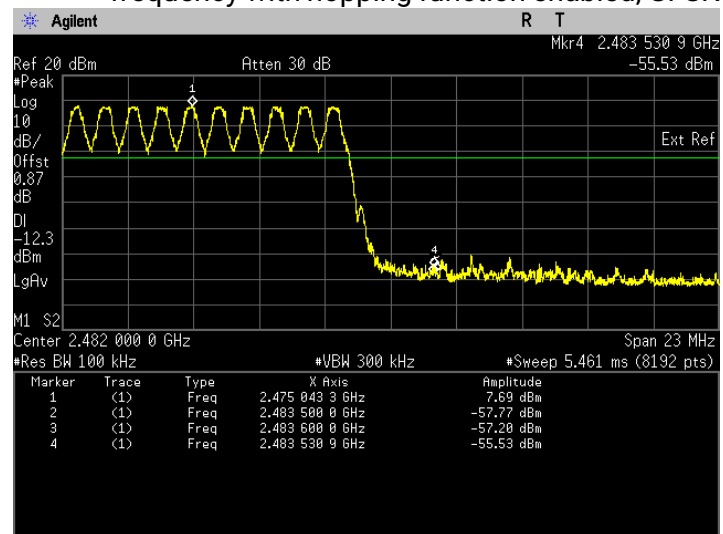
ii. The highest band edge emission at low carrier frequency with hopping function enabled, GFSK



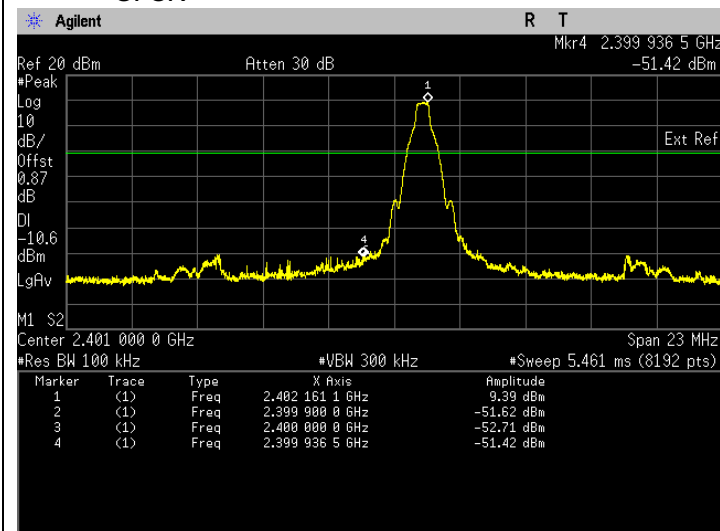
iii. The highest band edge emission at high carrier frequency with hopping function enabled, GFSK



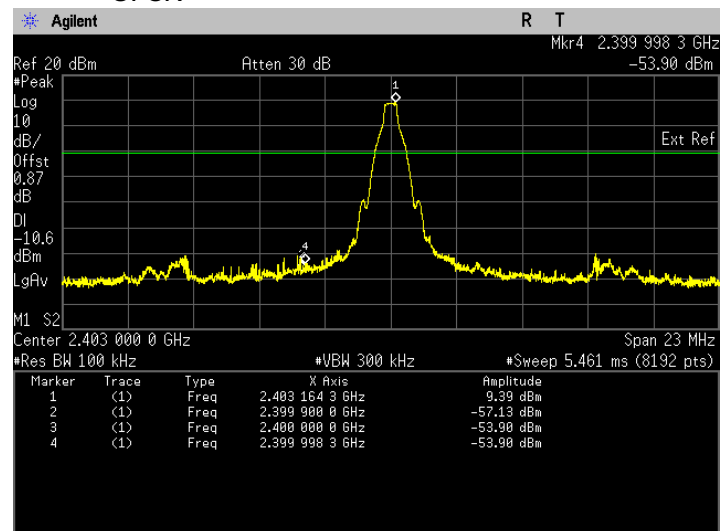
iv. The highest band edge emission at high carrier frequency with hopping function enabled, GFSK



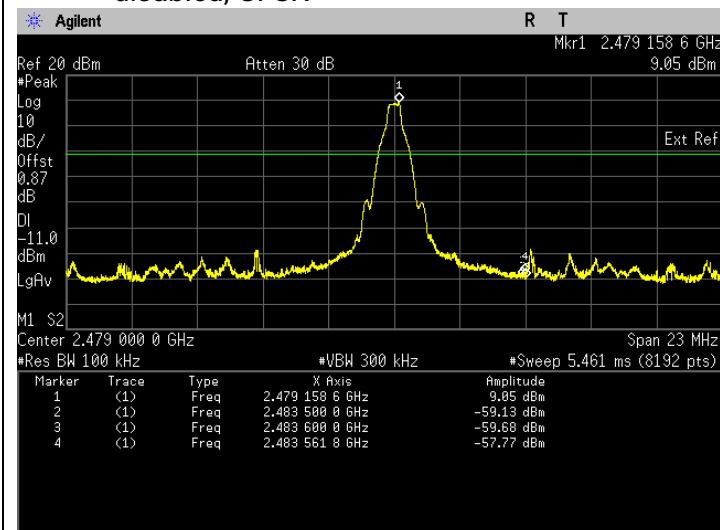
v. The highest band edge emission at low carrier frequency with hopping function disabled, GFSK



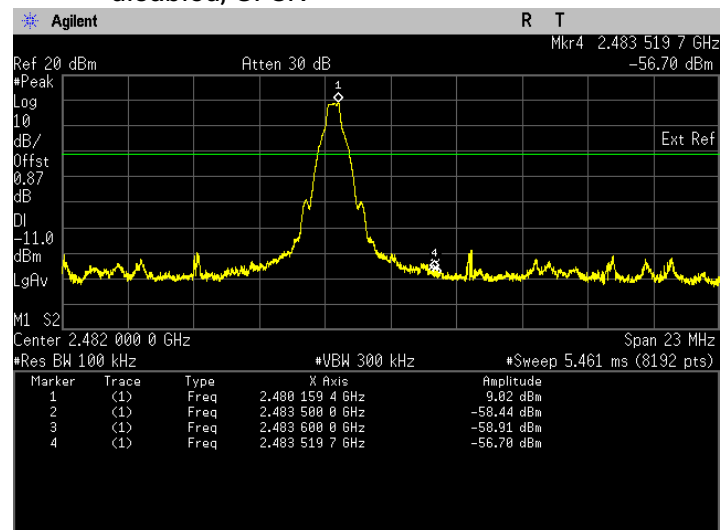
vi. The highest band edge emission at low carrier frequency with hopping function disabled, GFSK



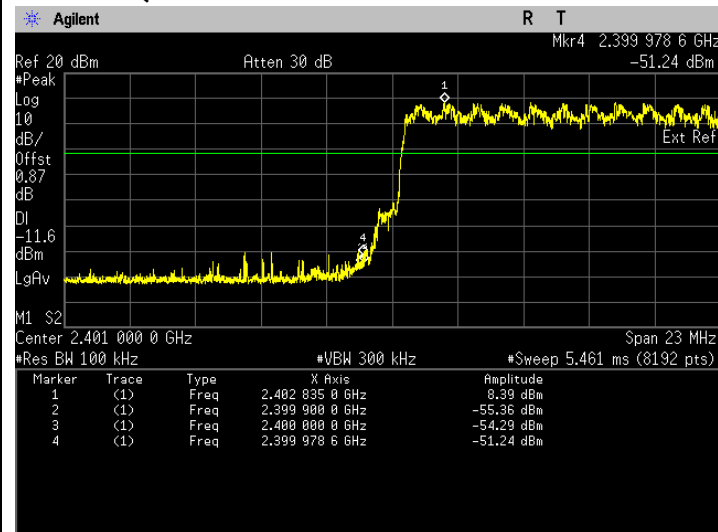
vii. The highest band edge emission at high carrier frequency with hopping function disabled, GFSK



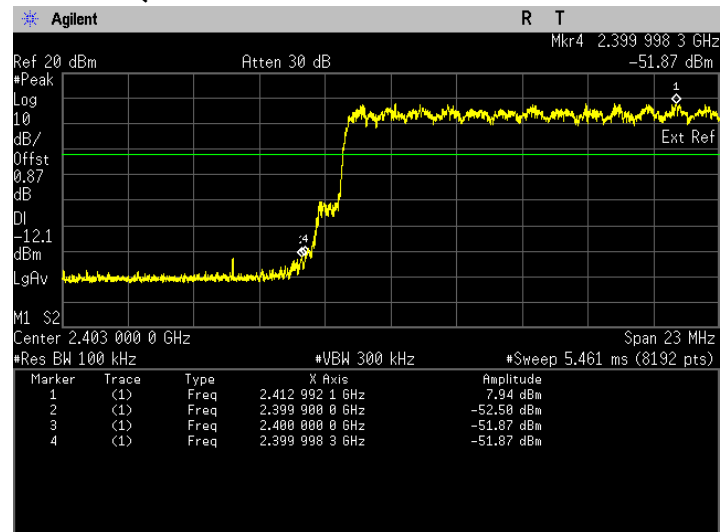
viii. The highest band edge emission at high carrier frequency with hopping function disabled, GFSK



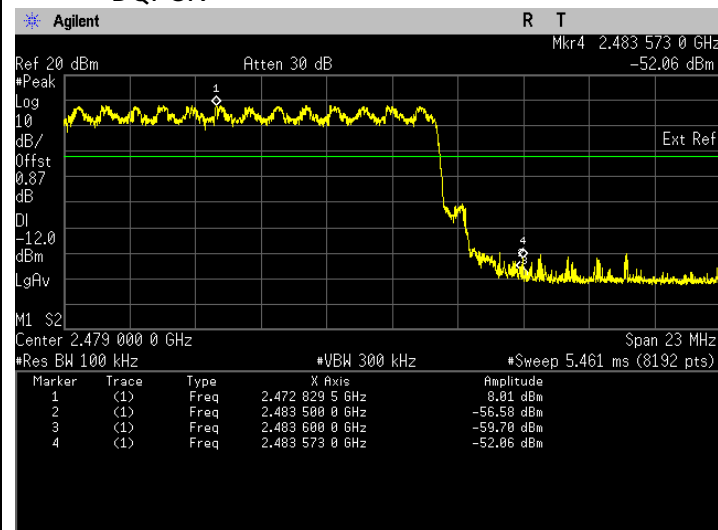
i. The highest band edge emission at low carrier frequency with hopping function enabled, Pi/4 DQPSK



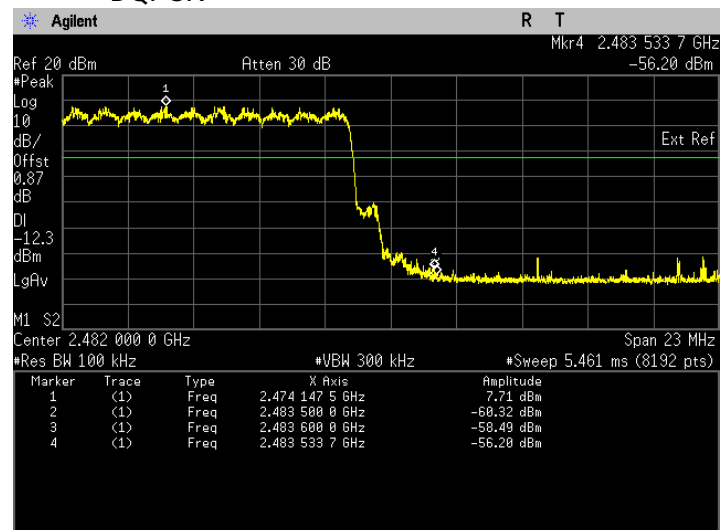
ii. The highest band edge emission at low carrier frequency with hopping function enabled, Pi/4 DQPSK



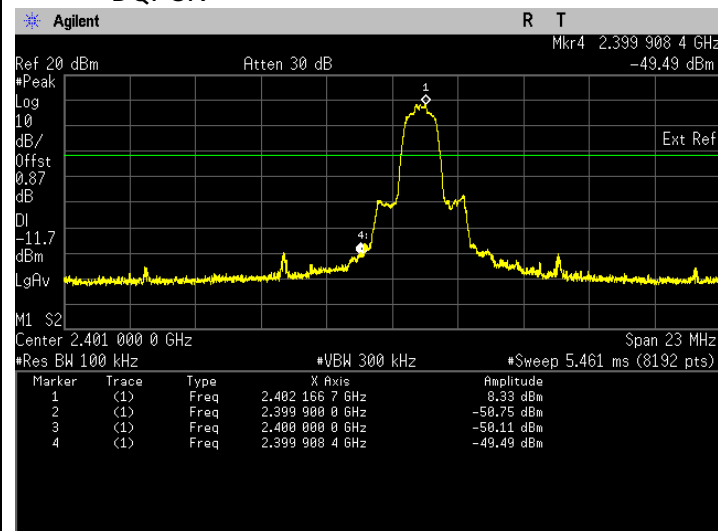
iii. The highest band edge emission at high carrier frequency with hopping function enabled, Pi/4 DQPSK



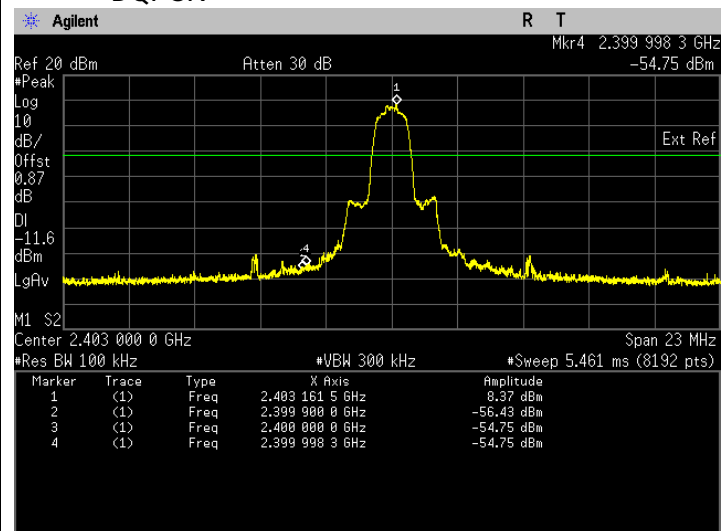
iv. The highest band edge emission at high carrier frequency with hopping function enabled, Pi/4 DQPSK



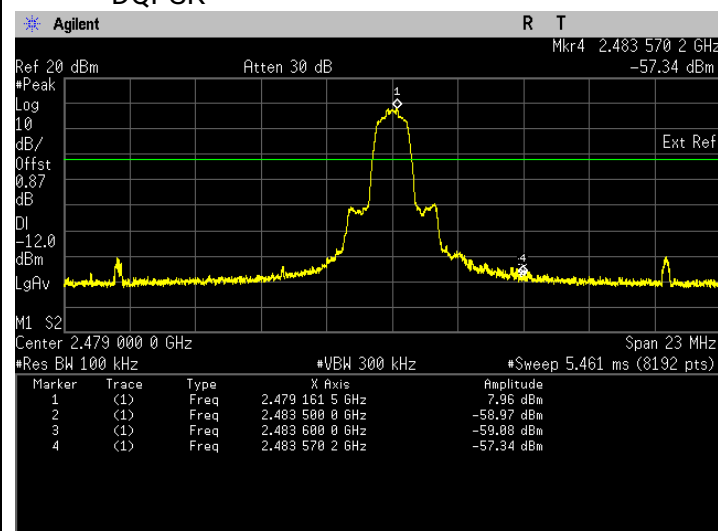
v. The highest band edge emission at low carrier frequency with hopping function disabled, Pi/4 DQPSK



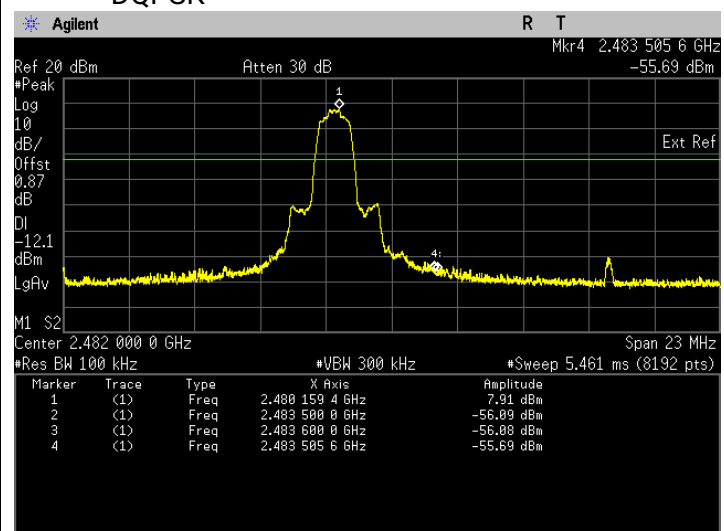
vi. The highest band edge emission at low carrier frequency with hopping function disabled, Pi/4 DQPSK



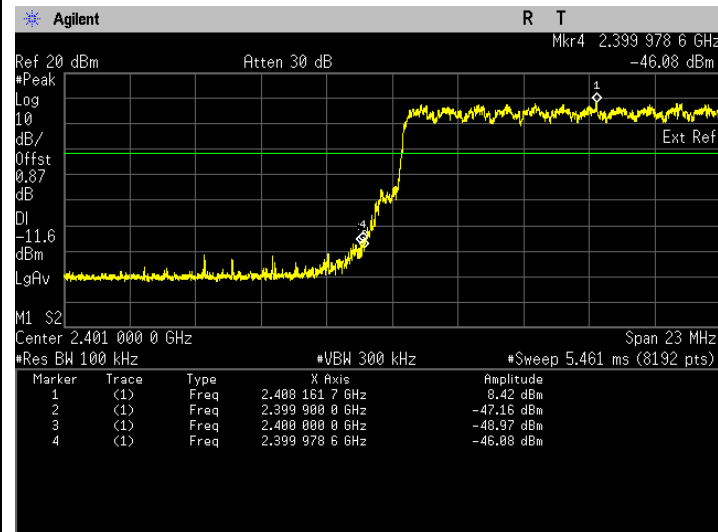
vii. The highest band edge emission at high carrier frequency with hopping function disabled, Pi/4 DQPSK



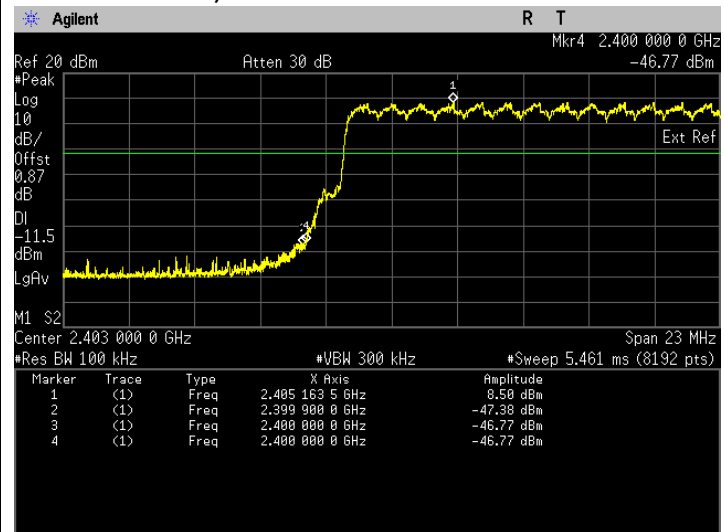
viii. The highest band edge emission at high carrier frequency with hopping function disabled, Pi/4 DQPSK



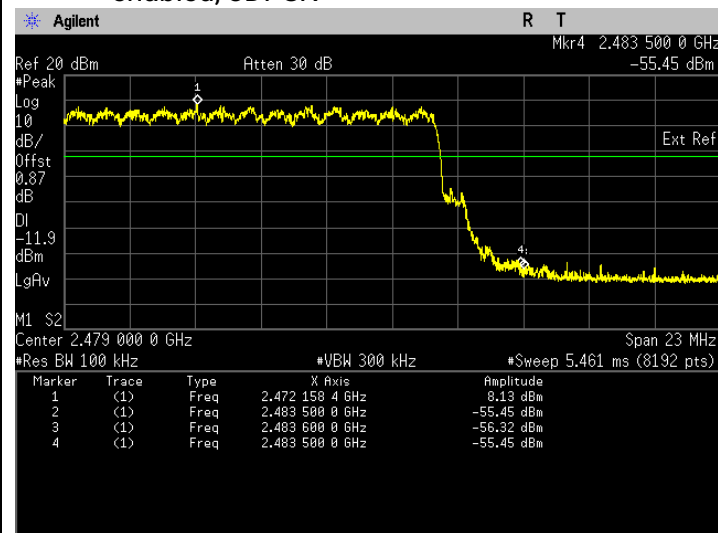
i. The highest band edge emission at low carrier frequency with hopping function enabled, 8DPSK



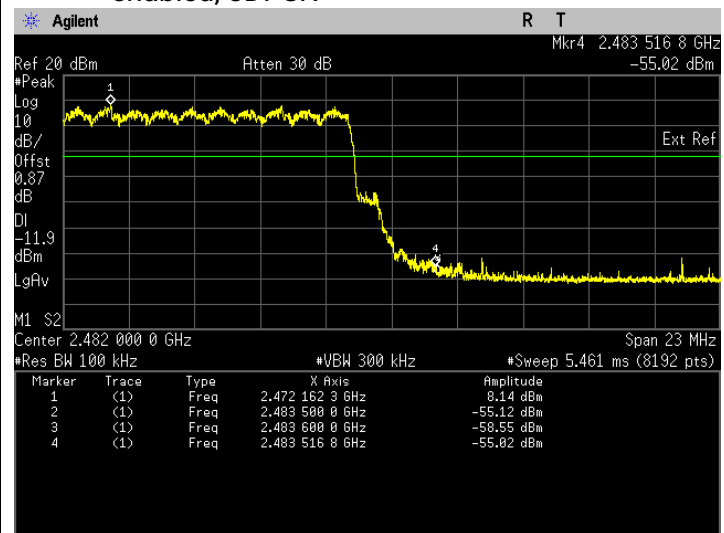
ii. The highest band edge emission at high carrier frequency with hopping function enabled, 8DPSK



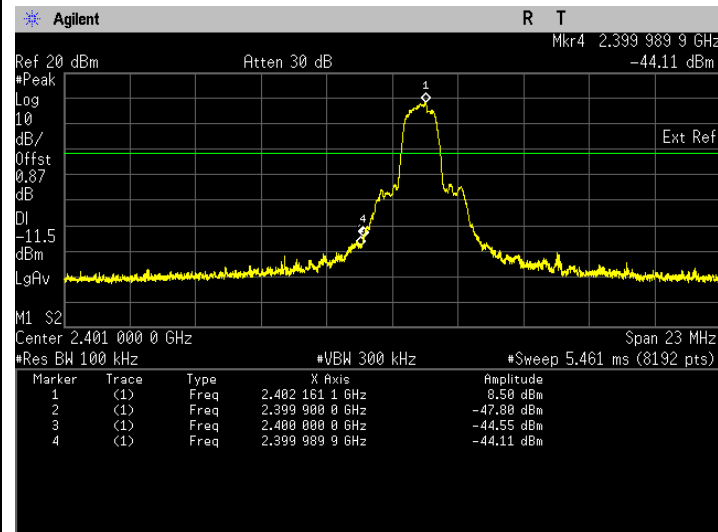
iii. The highest band edge emission at high carrier frequency with hopping function enabled, 8DPSK



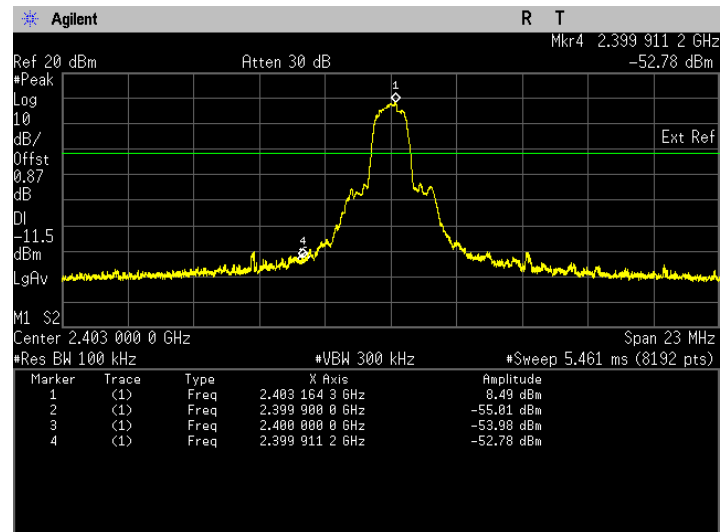
iv. The highest band edge emission at high carrier frequency with hopping function enabled, 8DPSK



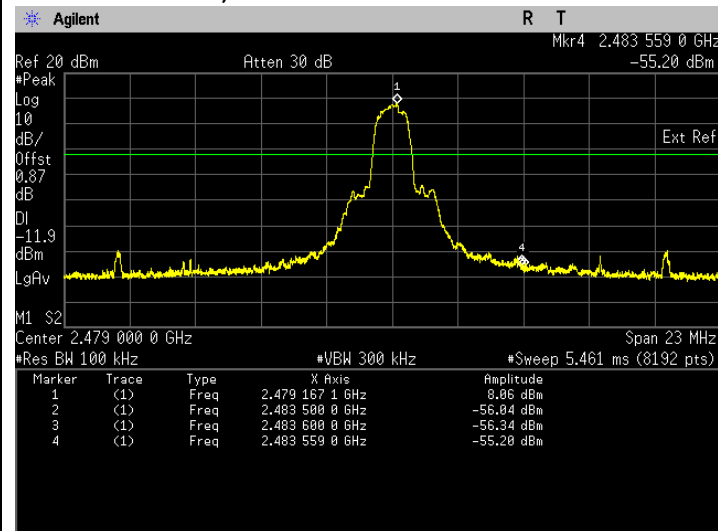
v. The highest band edge emission at low carrier frequency with hopping function disabled, 8DPSK



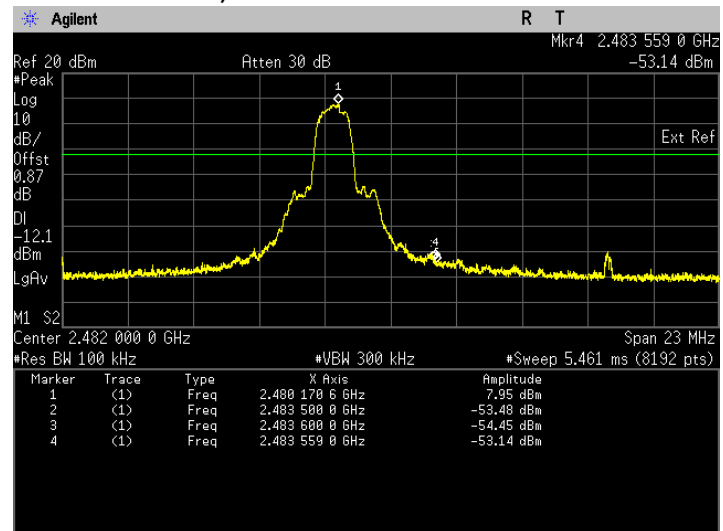
vi. The highest band edge emission at low carrier frequency with hopping function disabled, 8DPSK



vii. The highest band edge emission at high carrier frequency with hopping function disabled, 8DPSK

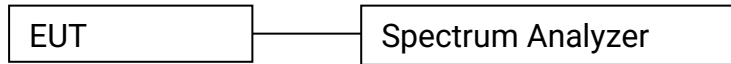


viii. The highest band edge emission at high carrier frequency with hopping function disabled, 8DPSK



6.4. Dwell time on each channel

6.4.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and keep the EUT in hopping mode.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. SPAN = Zero SPAN, center on hopping frequency
 - d. Detector mode = Peak
 - e. Trace = Max hold
 - f. Sweep time = 5second
 - g. Sweep = Single
- e) Measure total numbers of transmissions occur in 5 second and save the plot.
- f) Change the setting of spectrum analyzer:
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. Sweep time = sufficient to capture dwell time for 1 transmission
 - d. Sweep = Single
- g) Measure dwell time for 1 transmission and save the plot.
- h) Calculate accumulate dwell time in a given period equal to number of hopping frequencies x 0.4
- i) Repeat above procedure with other different mode of operation.

6.4.2. Test Limits:

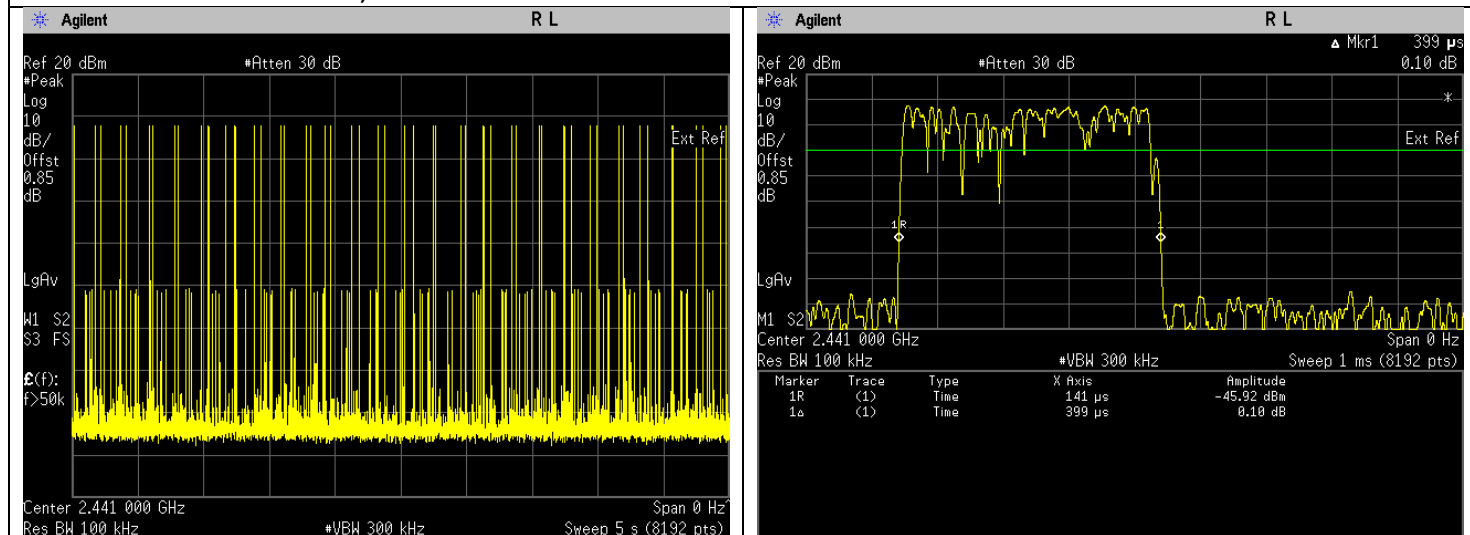
Normal Condition (25 ° C)
≤ 400ms

6.4.3. Test Result

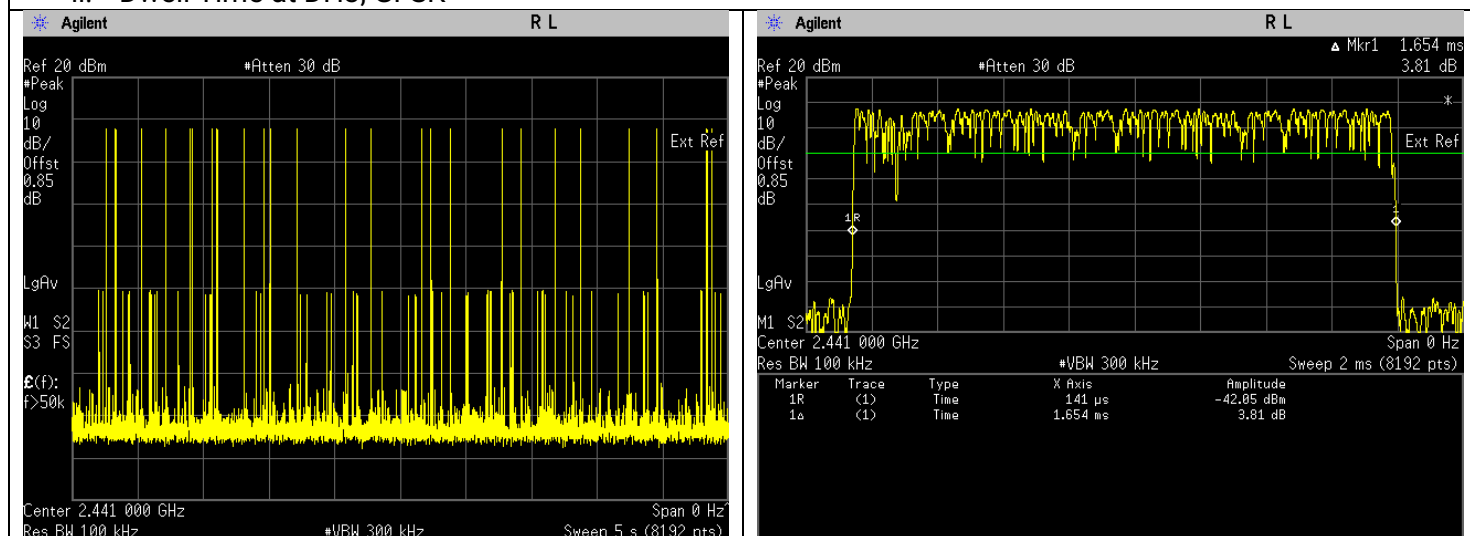
Test Conditions				Results			
Modulation	Voltage (V)	TX Frequency (MHz)	Data Package	No. of transmission in 5s (a)	Dwell time in one transmission (b)	Total accumulate dwell time in 31.6s. (c)	Status
GFSK	13.60	2441	DH1	52	0.399	131.127360	Pass
			DH3	26	1.654	271.785280	Pass
			DH5	18	2.903	330.245280	Pass
Pi/4 DQPSK	13.60	2441	DH1	51	0.402	129.572640	Pass
			DH3	28	1.653	292.514880	Pass
			DH5	16	2.901	293.349120	Pass
8 DPSK	13.60	2441	DH1	51	0.401	129.250320	Pass
			DH3	28	1.651	292.160960	Pass
			DH5	20	2.901	366.686400	Pass

**Note: Total dwell time 31.6s (79Hopping*0.4), (c) = (a) x 6.32 x (b)

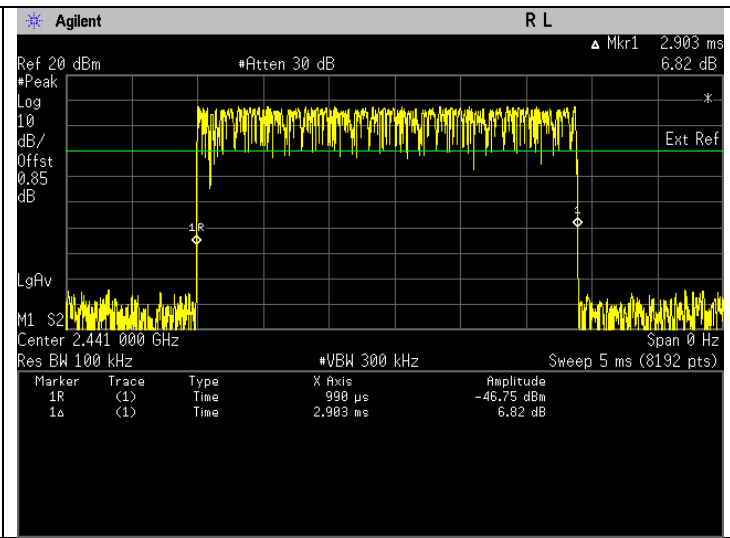
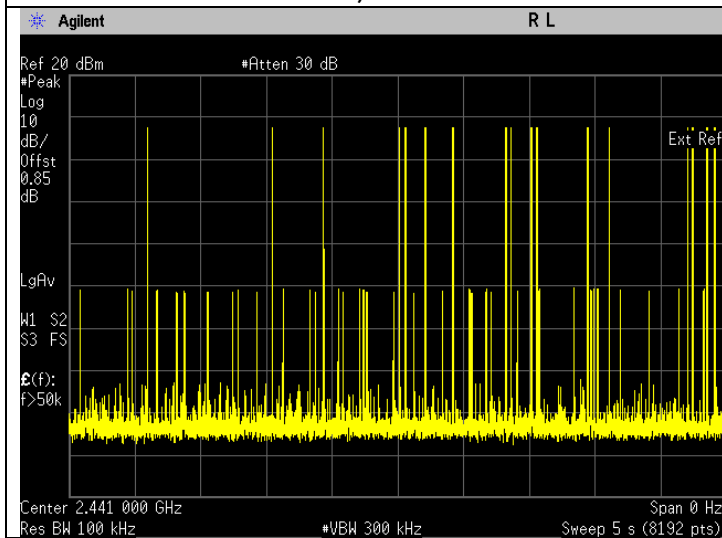
i. Dwell Time at DH1, GFSK



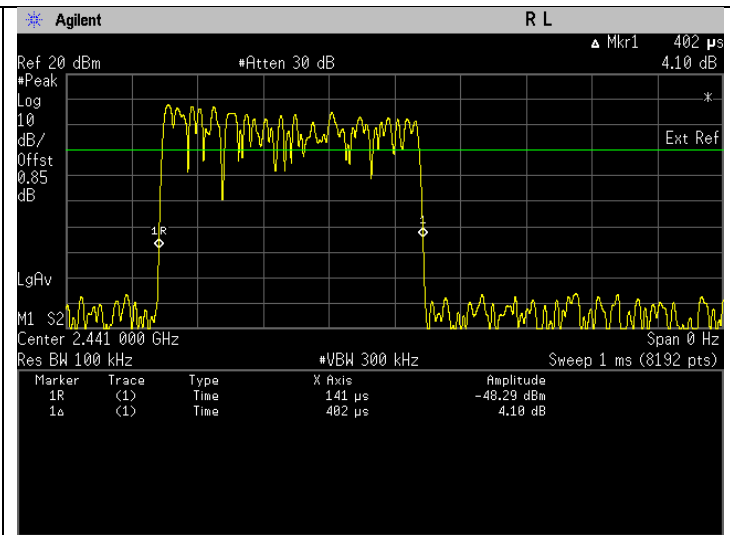
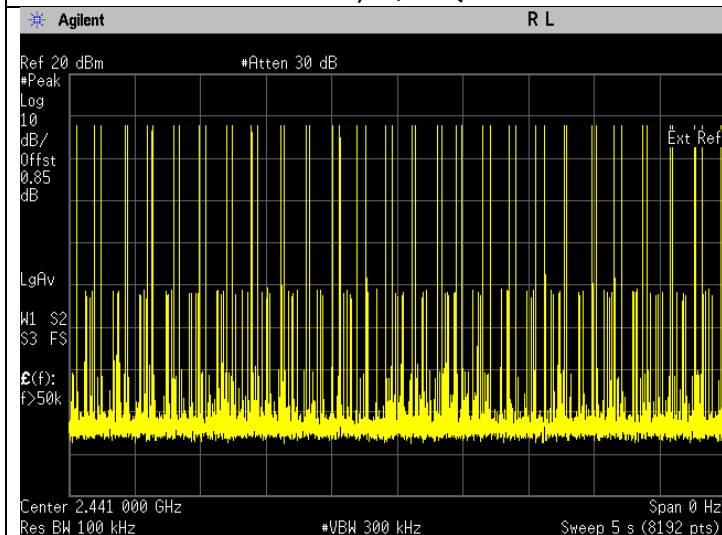
ii. Dwell Time at DH3, GFSK



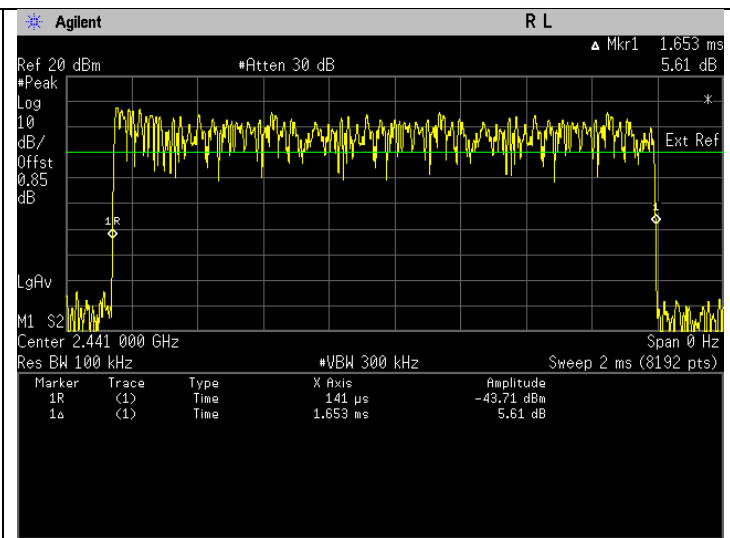
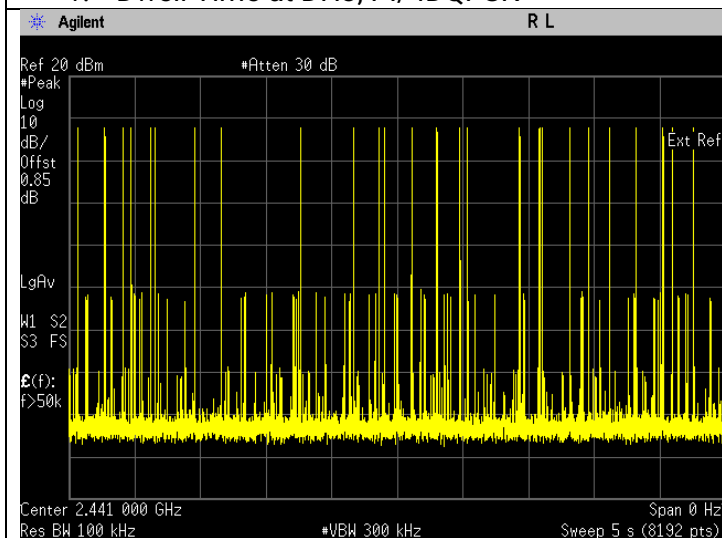
iii. Dwell Time at DH5, GFSK



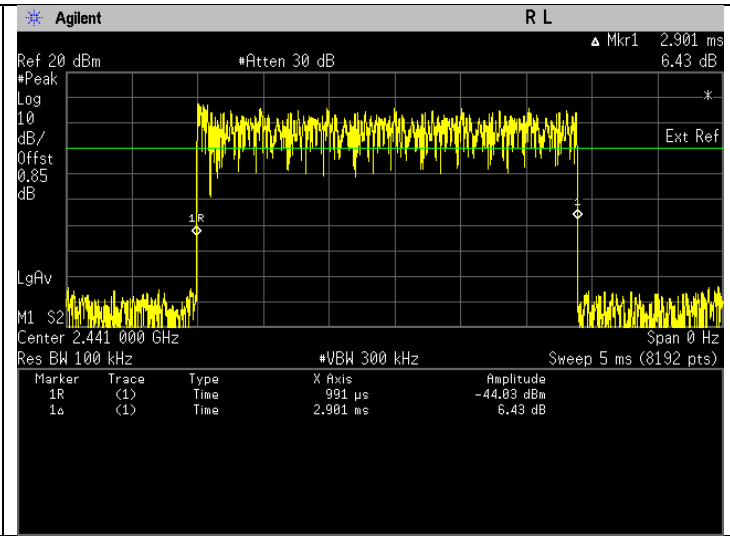
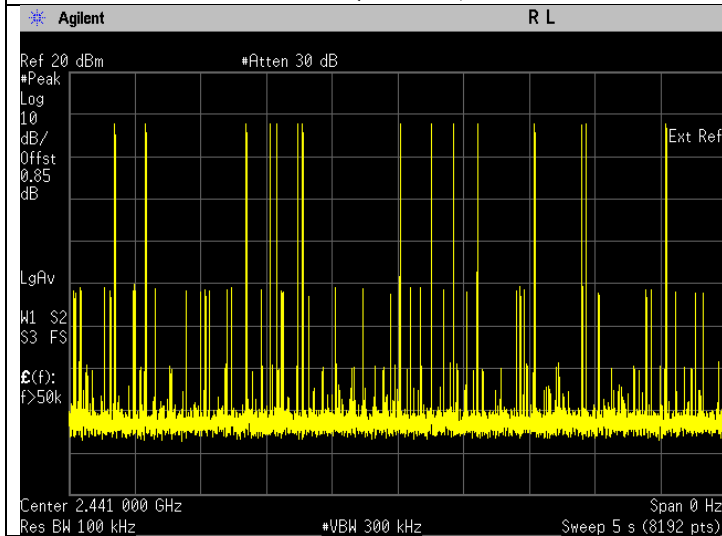
iv. Dwell Time at DH1, PI/4DQPSK



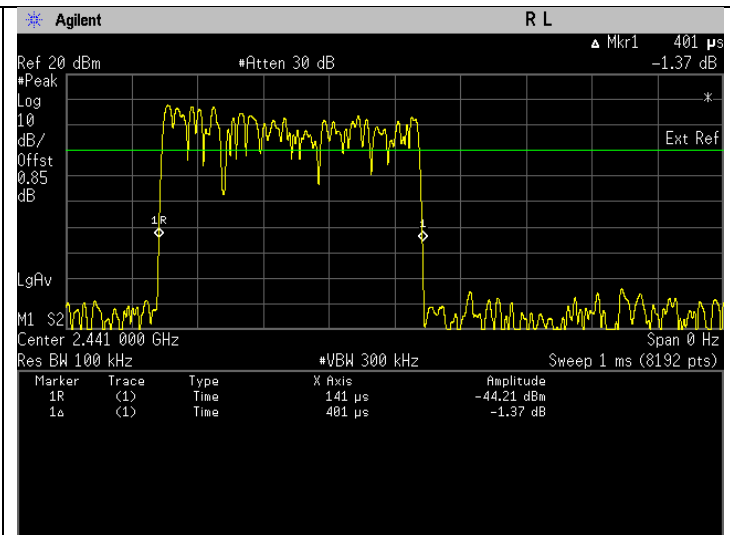
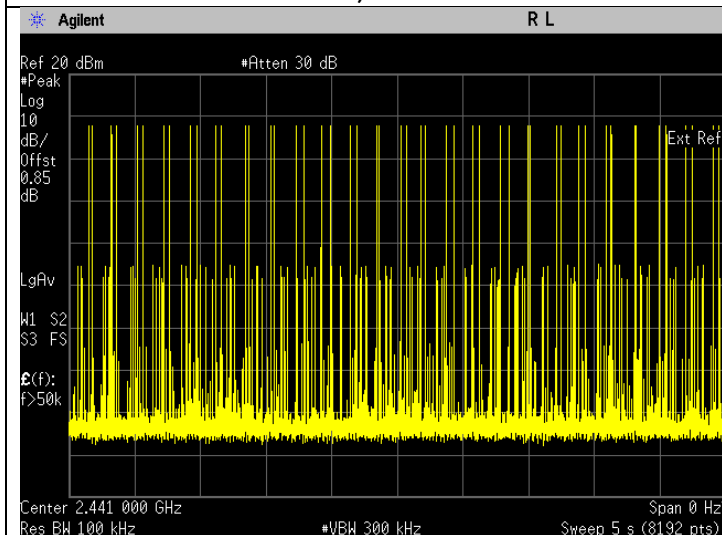
v. Dwell Time at DH3, PI/4DQPSK



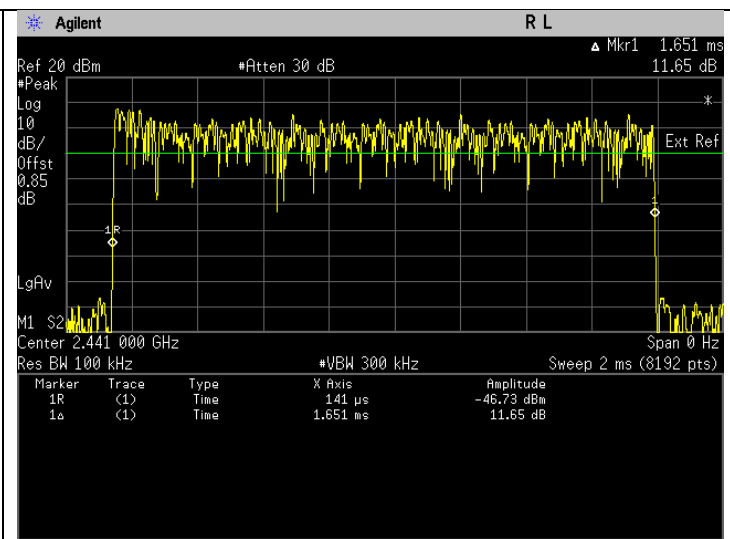
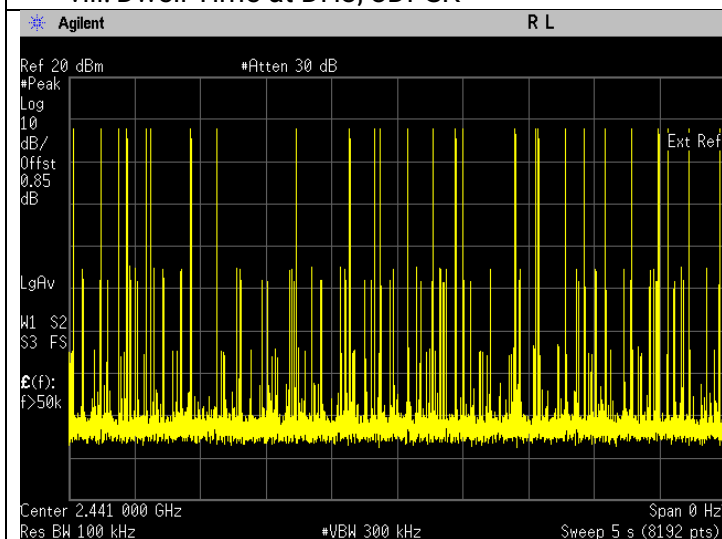
vi. Dwell Time at DH5, PI/4DQPSK



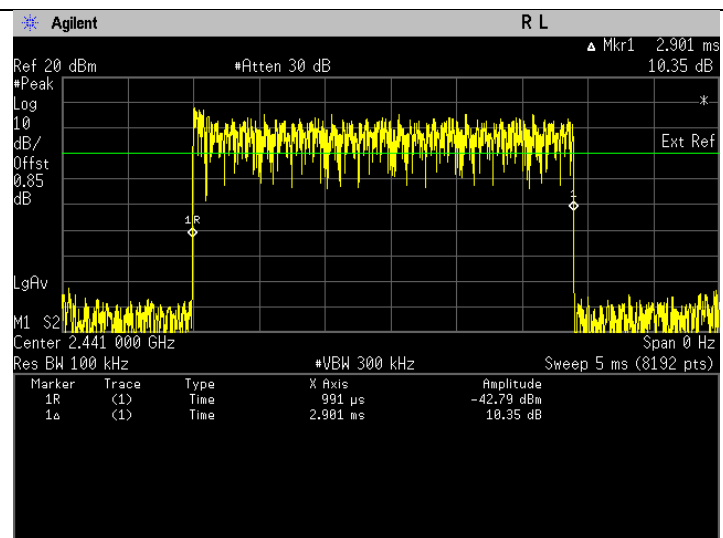
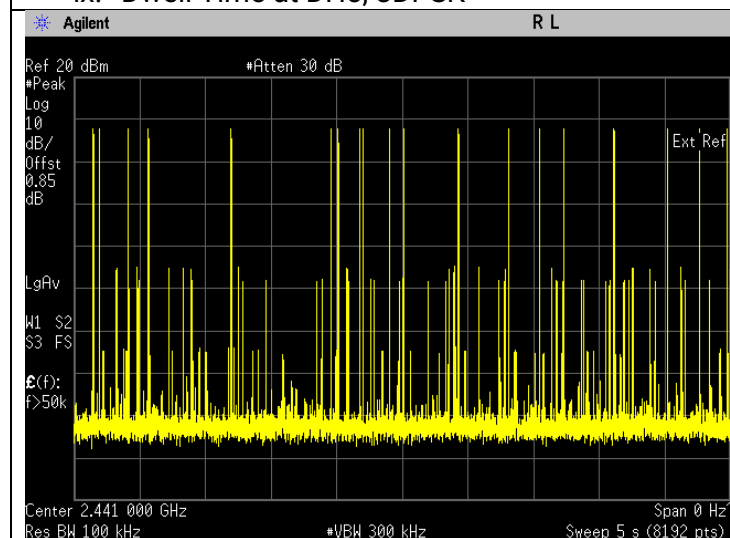
vii. Dwell Time at DH1, 8DPSK



viii. Dwell Time at DH3, 8DPSK

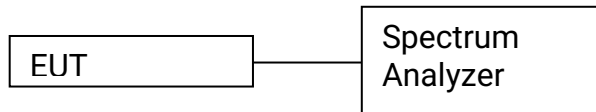


ix. Dwell Time at DH5, 8DPSK



6.5. Number of hopping Frequency

6.5.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and keep the EUT in hopping mode.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = 300 kHz
 - b. VBW = 300 kHz
 - c. Detector mode = Peak
 - d. Trace = Max hold
- e) Allow the trace to stabilized & save the plot result from spectrum analyzer screen.
- f) Count number of channel frequency in the operating.
- g) Repeat above procedure for other test frequency.

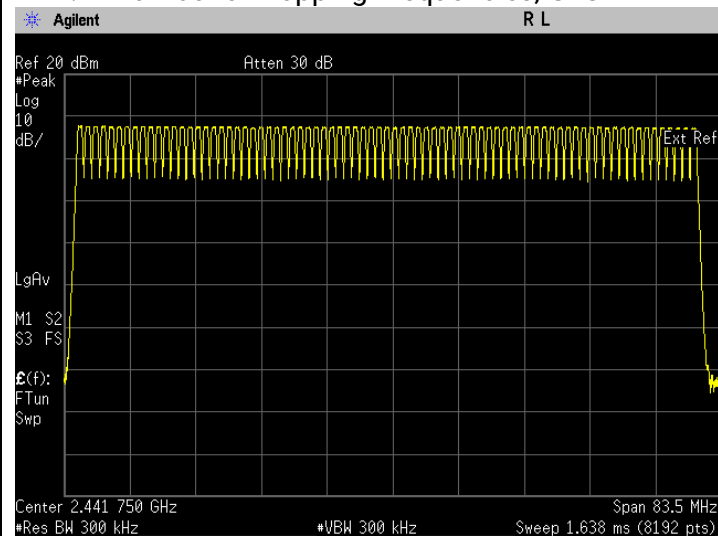
6.5.2. Test Limits:

Normal Condition (25 ° C)
≥ 15

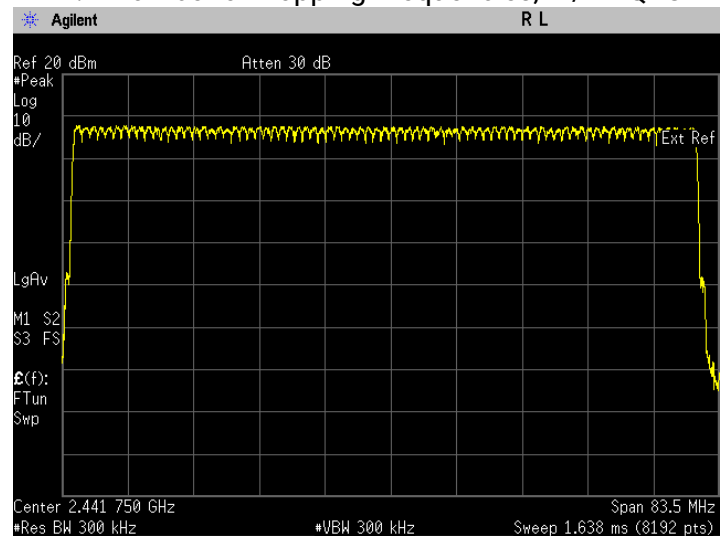
6.5.3. Test Result

Test Conditions			Results	
Modulation	Voltage(V)	Test Frequency (GHz)	No. of Hopping Frequencies	Status
GFSK	13.60	2.4020-2.4835	79	Pass
Pi/4DQPSK	13.60	2.4020-2.4835	79	Pass
8DPSK	13.60	2.4020-2.4835	79	Pass

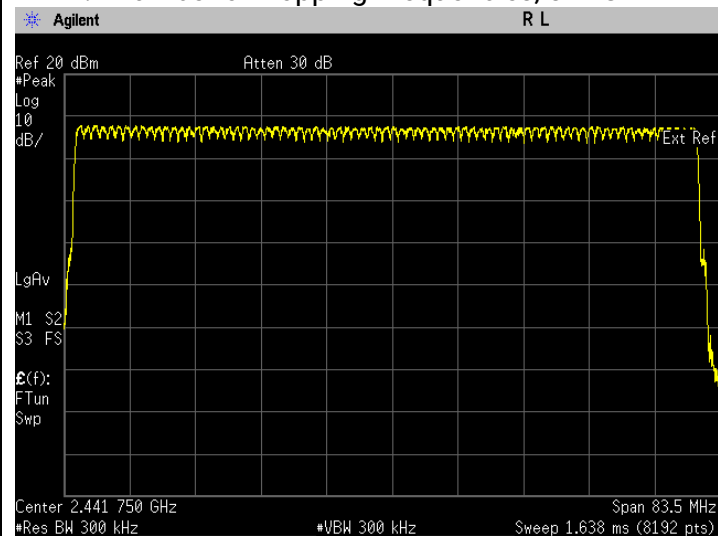
i. Number of Hopping Frequencies, GFSK



ii. Number of Hopping Frequencies, Pi/4 DQPSK

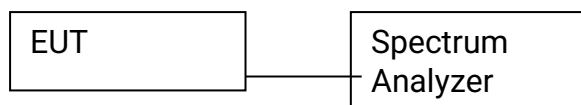


iii. Number of Hopping Frequencies, 8DPSK



6.6.Channel Separation

6.6.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and keep the EUT in hopping mode.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = 300 kHz
 - b. VBW = 300 kHz
 - c. SPAN = 3 MHz, center on test frequency
 - d. AMPLITUDE → Scale/Div = 5 dB
 - e. Detector mode = Peak
 - f. Trace = Max hold
 - g. Sweep = auto
- e) Measure the frequency different of these two adjacent channels with marker delta function & record the measurement results.
- f) Repeat above procedure with other different mode of operation.

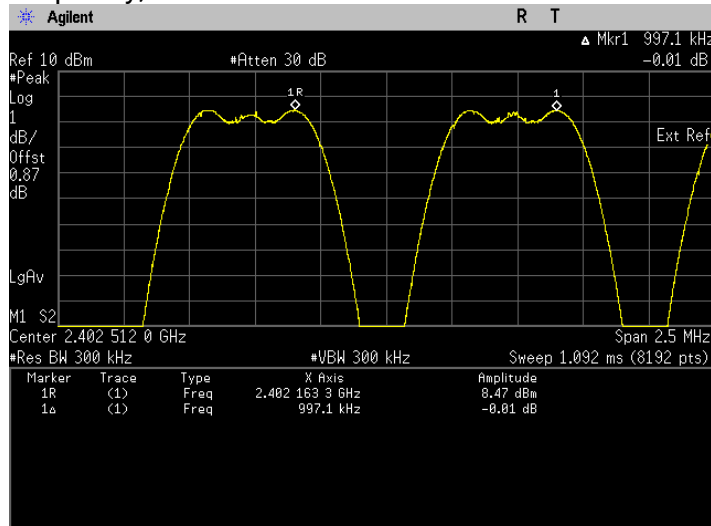
6.6.2. Test Limits:

Normal Condition (25 ° C)
≥ 2/3 of 20dB Bandwidth

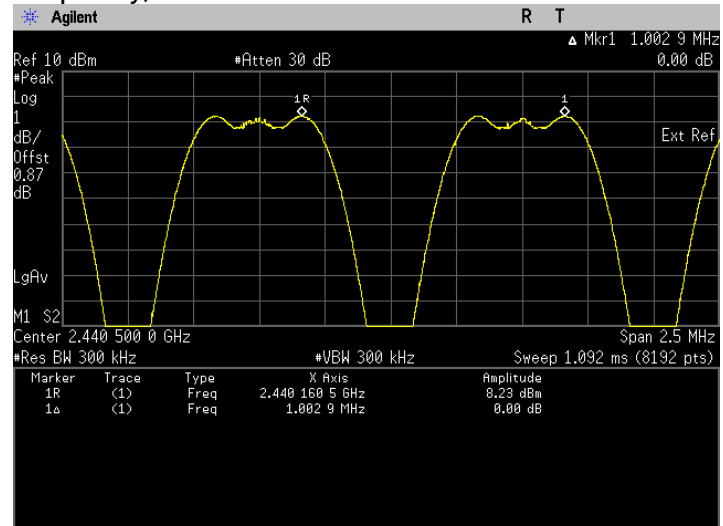
6.6.3. Test Result

Test Conditions			Results			
Modulation	Voltage(V)	Test Frequency (GHz)	Adjacent Channel Separation (MHz)	20dB Bandwidth (MHz)	2/3 of 20dB Bandwidth (kHz)	Status
GFSK	13.60	2.4020	0.997	0.973	648.667	Pass
		2.4410	1.003	0.968	645.333	Pass
		2.4800	0.995	0.974	649.333	Pass
Pi/4DQPSK	13.60	2.4020	0.996	1.321	880.667	Pass
		2.4410	0.999	1.326	884.000	Pass
		2.4800	1.010	1.321	880.667	Pass
8DPSK	13.60	2.4020	1.001	1.307	871.333	Pass
		2.4410	1.002	1.307	871.333	Pass
		2.4800	1.007	1.307	871.333	Pass

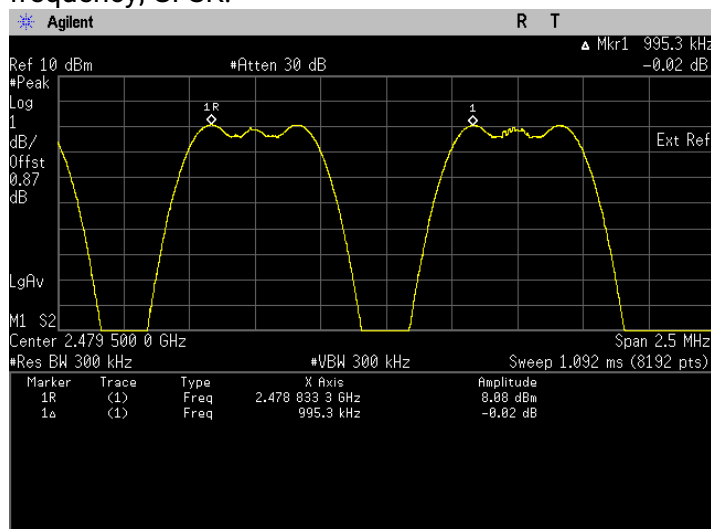
The Conducted RF Output Power test with result at low frequency, GFSK.



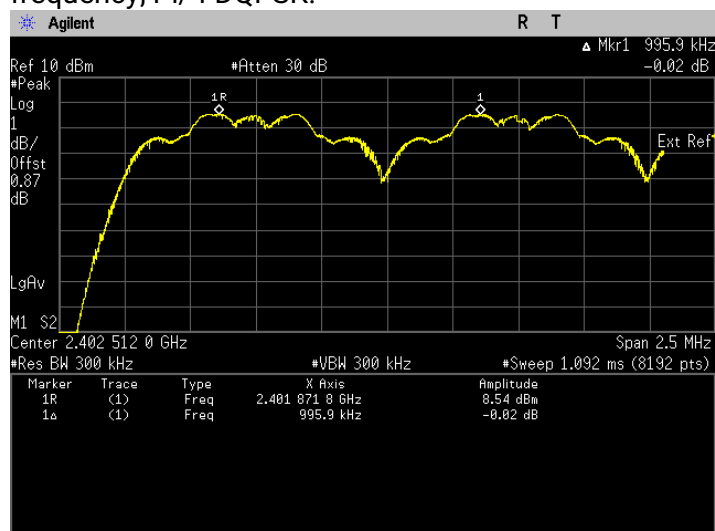
The Conducted RF Output Power test with result at mid frequency, GFSK.



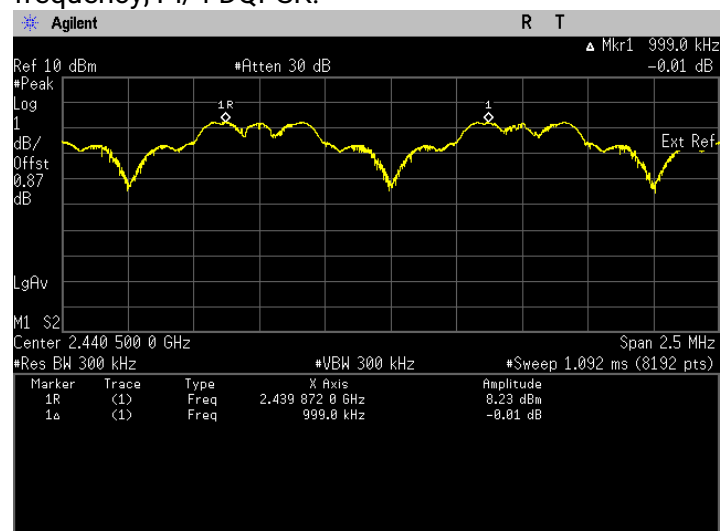
The Conducted RF Output Power test with result at high frequency, GFSK.



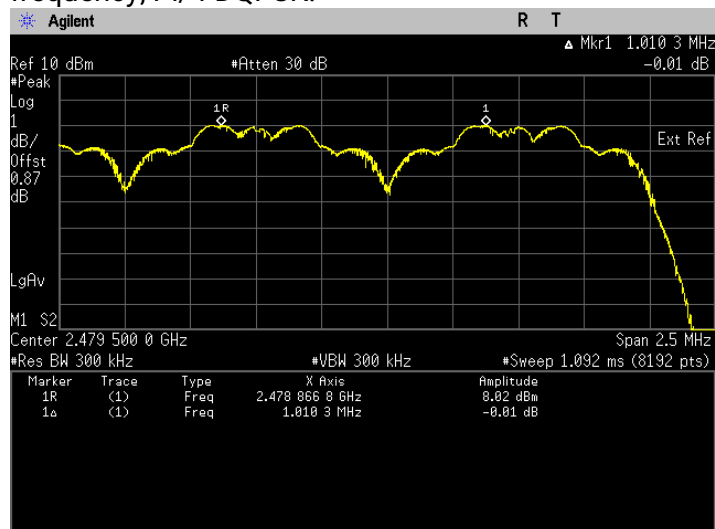
The Conducted RF Output Power test with result at low frequency, Pi/4 DQPSK.



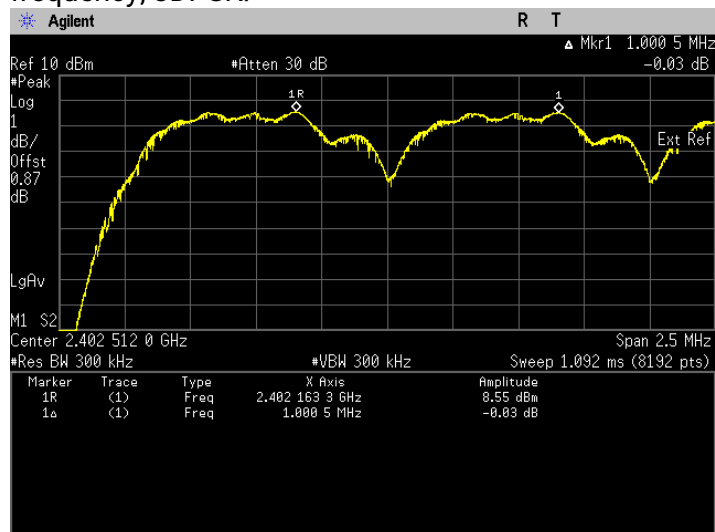
The Conducted RF Output Power test with result at mid frequency, Pi/4 DQPSK.



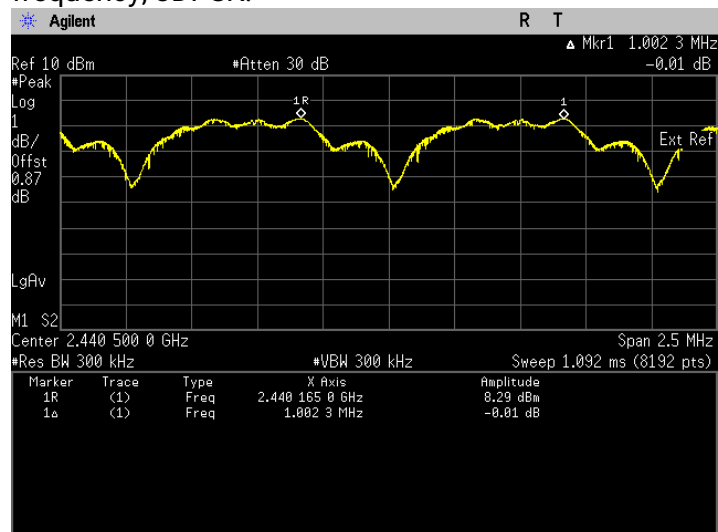
The Conducted RF Output Power test with result at high frequency, Pi/4 DQPSK.



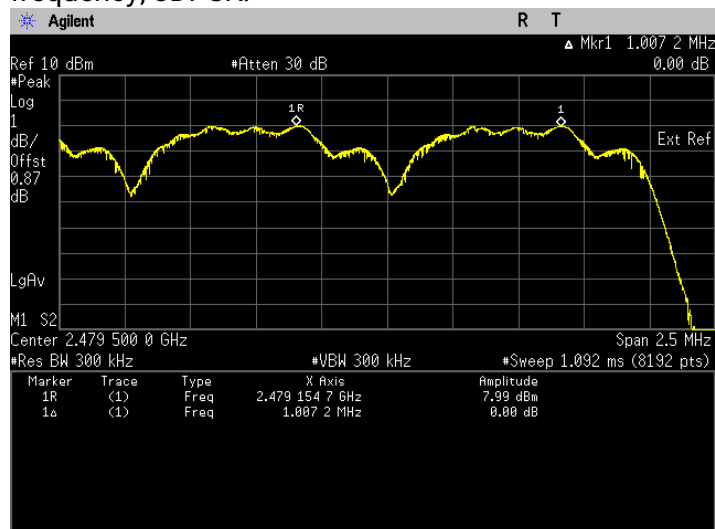
The Conducted RF Output Power test with result at low frequency, 8DPSK.



The Conducted RF Output Power test with result at mid frequency, 8DPSK.

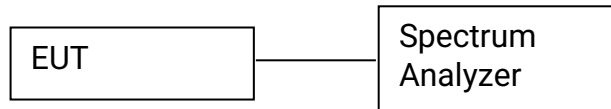


The Conducted RF Output Power test with result at high frequency, 8DPSK.



6.7. Conducted Spurious Emission

6.7.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and set EUT to transmit maximum data rate with hopping disable.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer:
 - a. RBW = 100 kHz
 - b. VBW = 300 kHz
 - c. SPAN = Cover until 10th harmonic
 - d. Detector mode = Peak
 - e. AMPLITUDE → Scale/Div = 10 dB
 - f. Trace = Max hold
 - g. Sweep = auto
- e) Measure the captured spurious emission result and recording the plot.
- f) Repeat above procedure with other different mode of operation.

6.7.2. Test Limits:

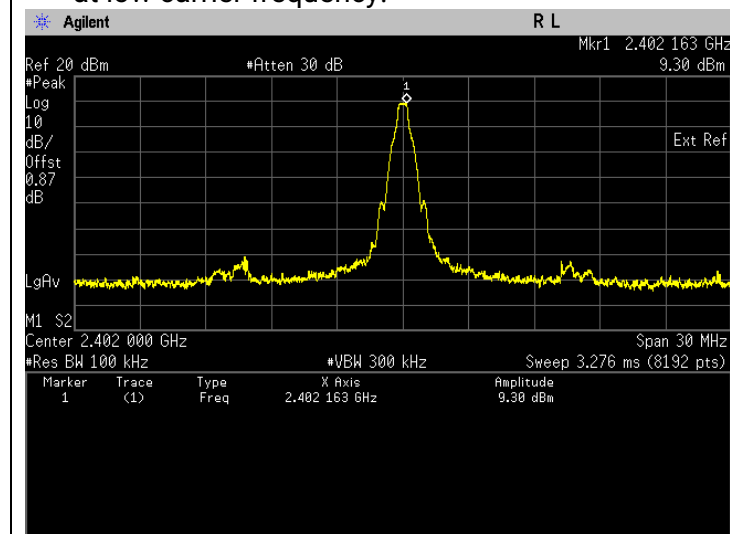
Normal Condition (25 ° C)
Shall be at least 20 dB below for peak power.

6.7.3. Test Data:

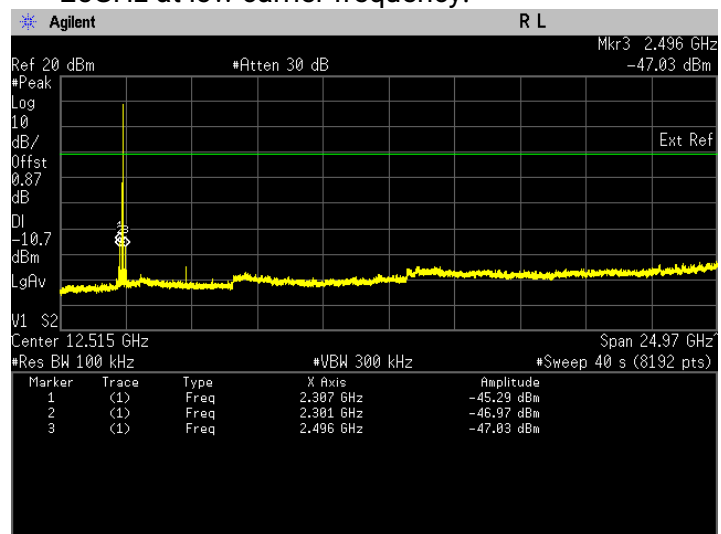
Test Conditions			Results		
Modulation	Voltage(V)	Test Frequency (GHz)	Spurs (MHz)	Level (dBm)	Status
GFSK	13.60	2.4020	2307.000	-45.292	Pass
		2.4030	2304.000	-46.420	Pass
		2.4410	2344.000	-45.805	Pass
		2.4790	2374.000	-45.890	Pass
		2.4800	2374.000	-46.544	Pass
Pi/4 DQPSK	13.60	2.4020	1783.000	-42.552	Pass
		2.4030	2310.000	-50.130	Pass
		2.4410	2347.000	-49.434	Pass
		2.4790	2572.000	-50.220	Pass
		2.4800	2588.000	-52.870	Pass
8DPSK	13.60	2.4020	2304.000	-47.951	Pass
		2.4030	1765.000	-46.270	Pass
		2.4410	2542.000	-48.430	Pass
		2.4790	2469.000	-50.280	Pass
		2.4800	2374.000	-51.521	Pass

GFSK Modulation:

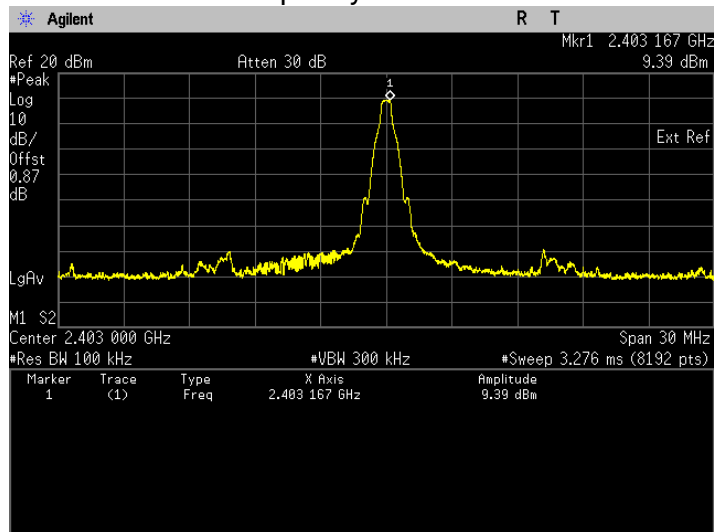
- The high emission level within the assigned band at low carrier frequency.



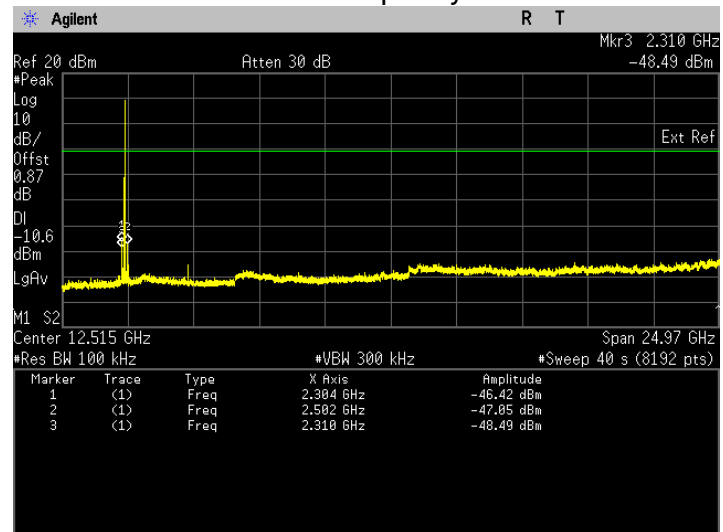
- Spurious emission measurement in 30MHz – 25GHz at low carrier frequency.



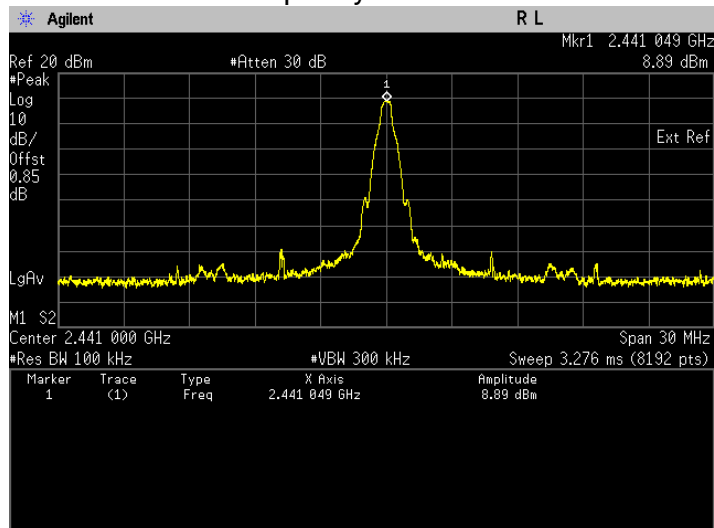
- The high emission level within the assigned band at low carrier frequency.



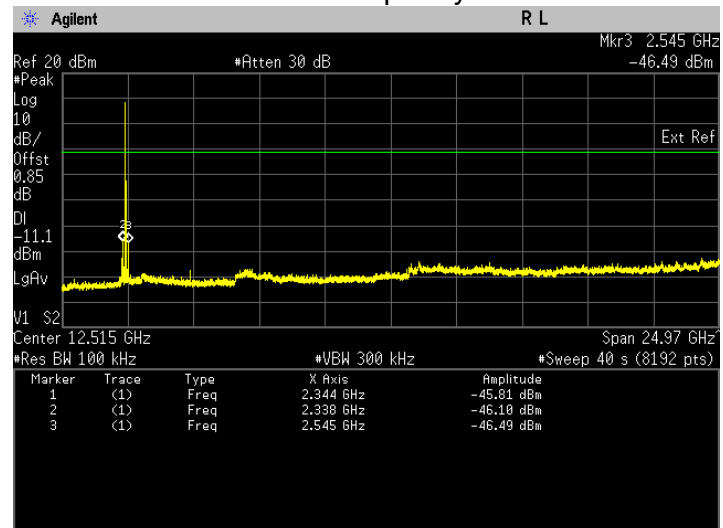
- Spurious emission measurement in 30MHz - 25GHz at low carrier frequency.



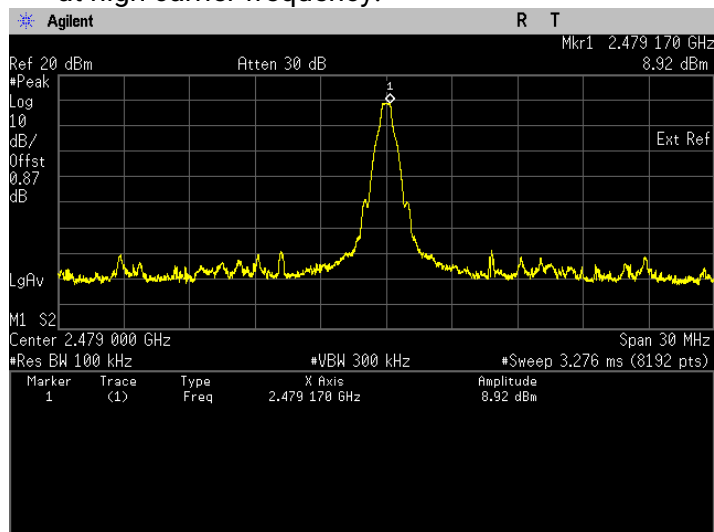
- The high emission level within the assigned band at mid carrier frequency.



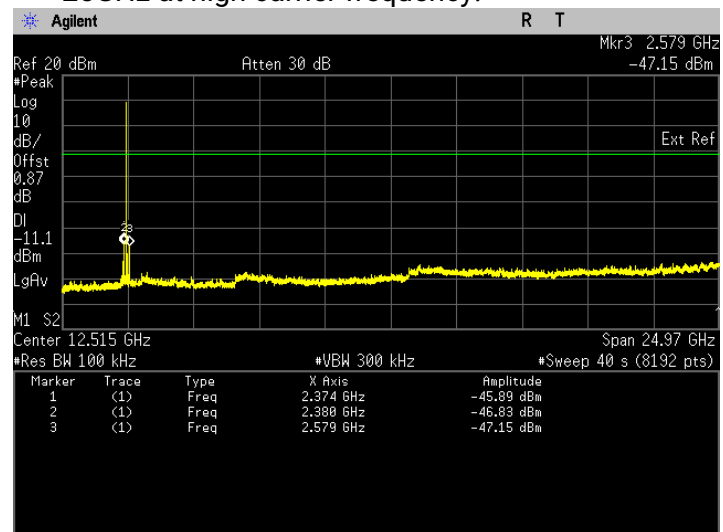
- Spurious emission measurement in 30MHz - 25GHz at mid carrier frequency.

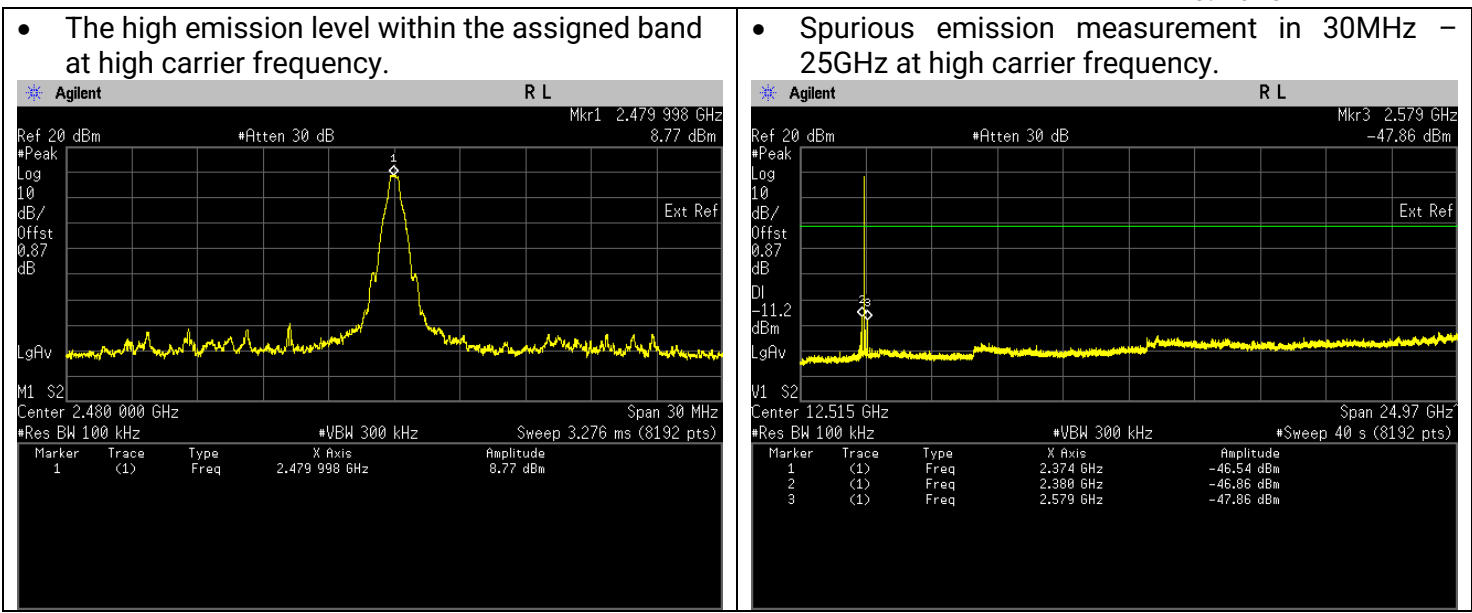


- The high emission level within the assigned band at high carrier frequency.



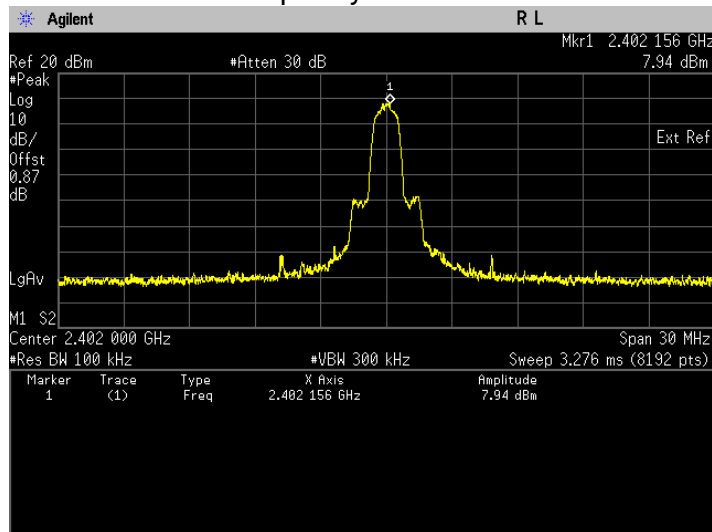
- Spurious emission measurement in 30MHz - 25GHz at high carrier frequency.



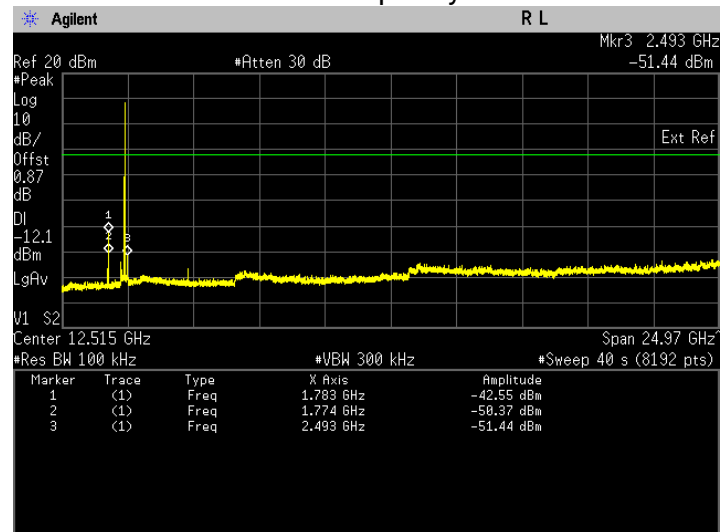


Pi/4 DQPSK Modulation:

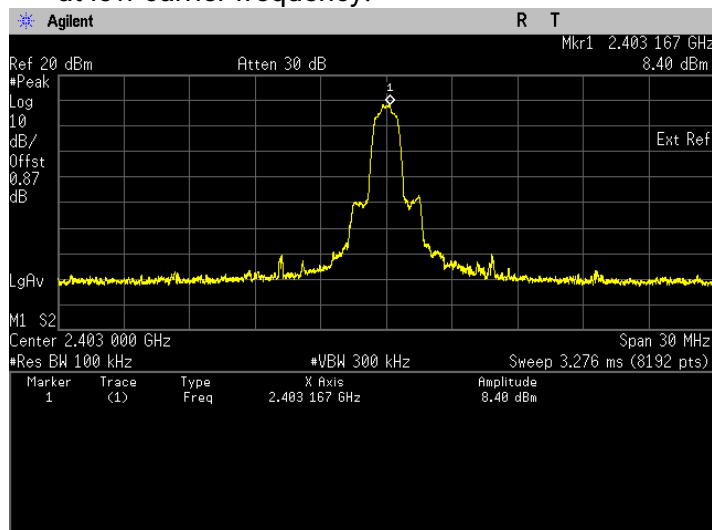
- The high emission level within the assigned band at low carrier frequency.



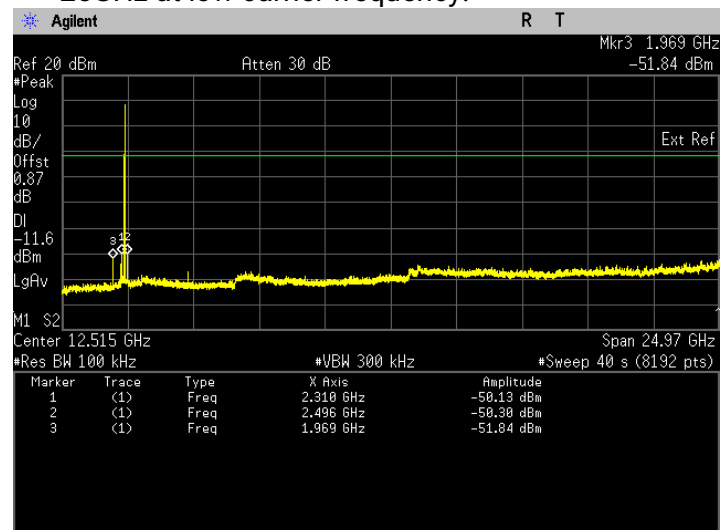
- Spurious emission measurement in 30MHz - 25GHz at low carrier frequency.



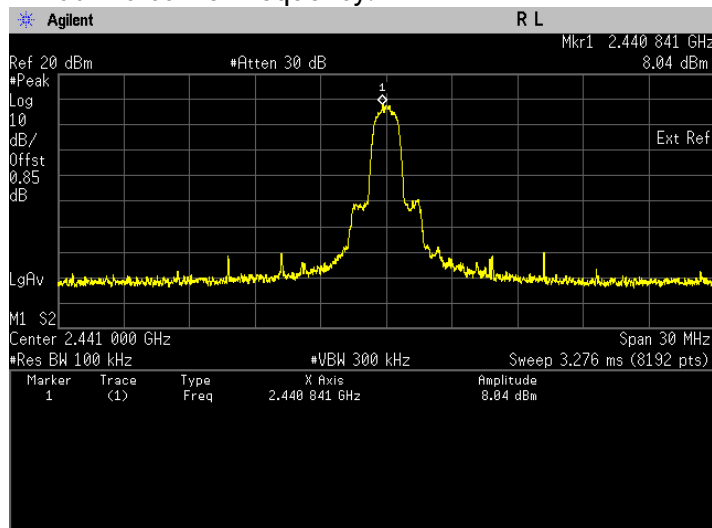
- The high emission level within the assigned band at low carrier frequency.



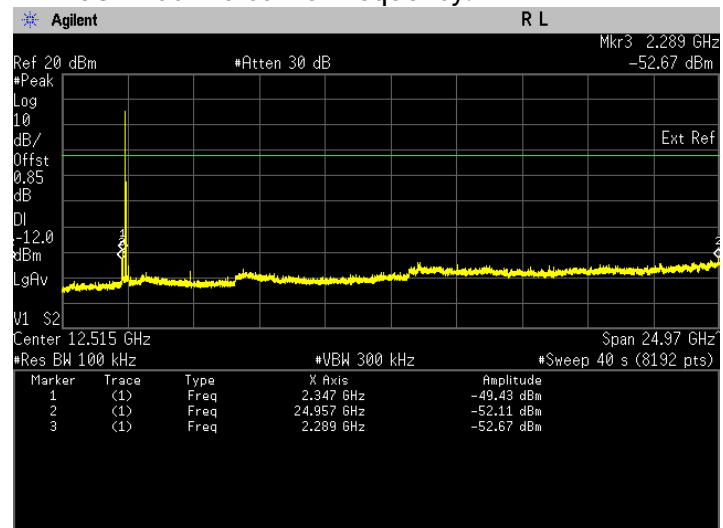
- Spurious emission measurement in 30MHz - 25GHz at low carrier frequency.



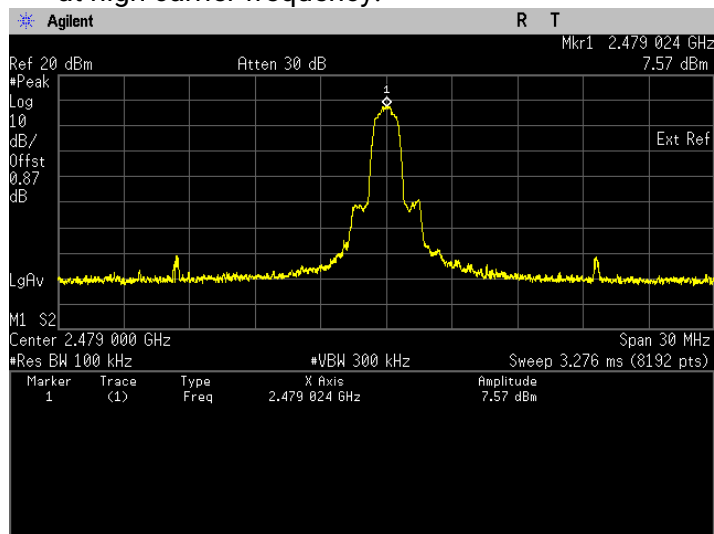
- The high emission level within the assigned band at mid carrier frequency.



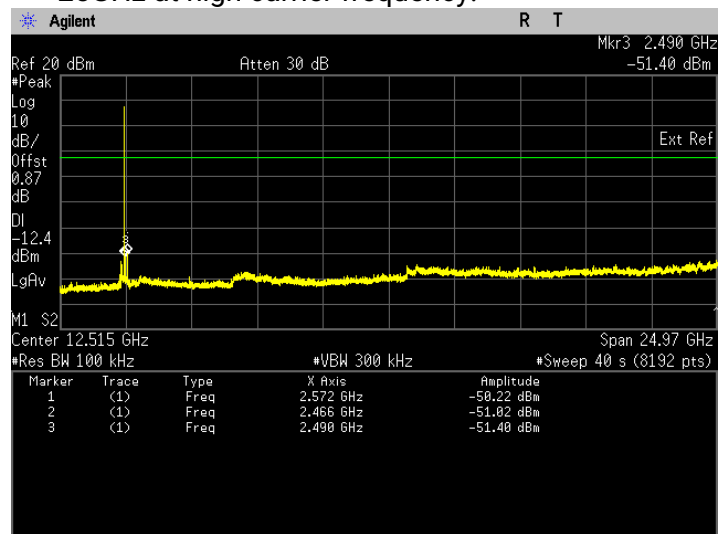
- Spurious emission measurement in 30MHz - 25GHz at mid carrier frequency.



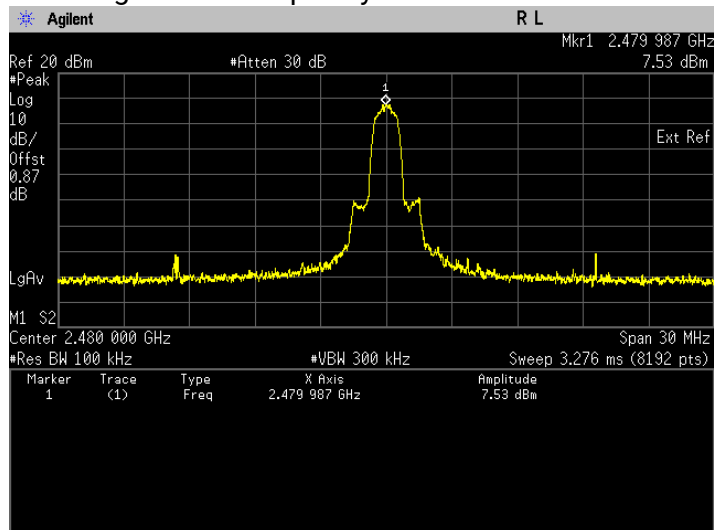
- The high emission level within the assigned band at high carrier frequency.



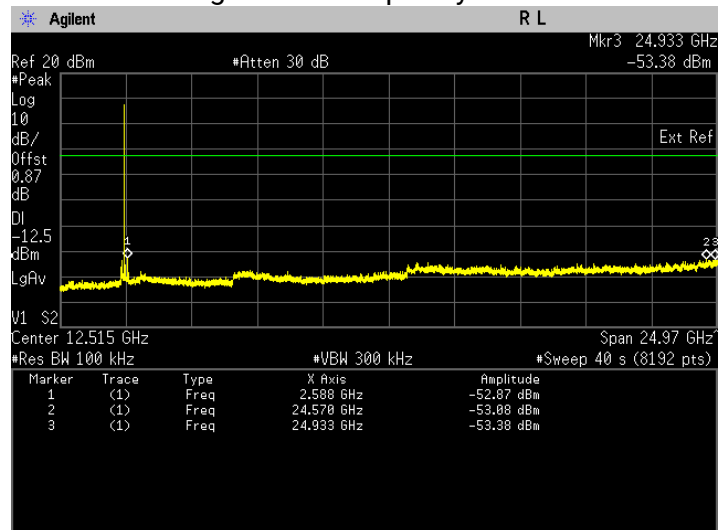
- Spurious emission measurement in 30MHz – 25GHz at high carrier frequency.



- The high emission level within the assigned band at high carrier frequency.

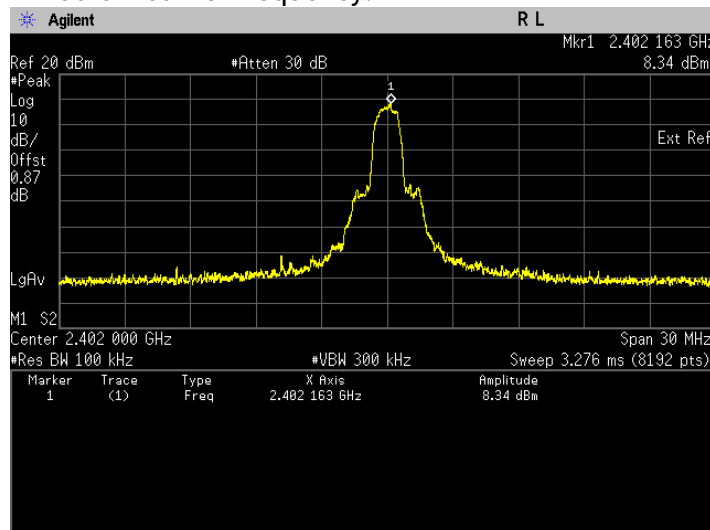


- Spurious emission measurement in 30MHz – 25GHz at high carrier frequency.

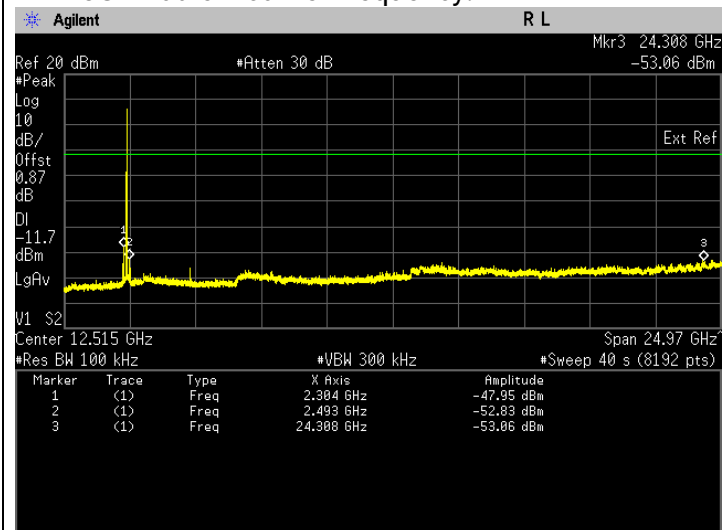


8DPSK Modulation:

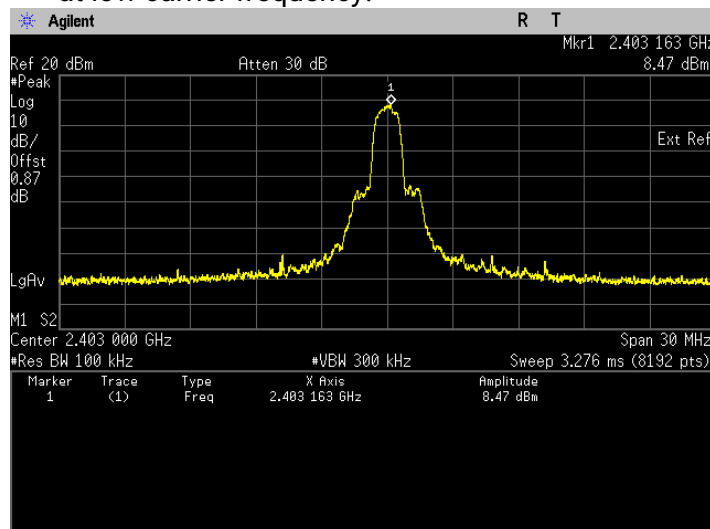
i. The high emission level within the assigned band at low carrier frequency.



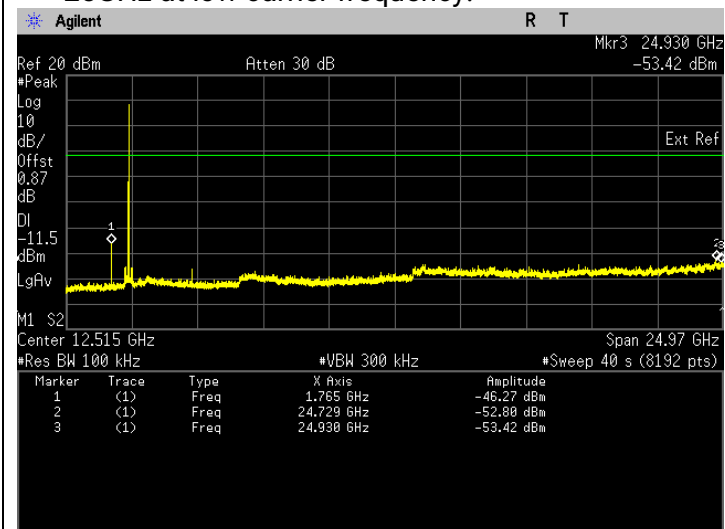
ii. Spurious emission measurement in 30MHz – 25GHz at low carrier frequency.



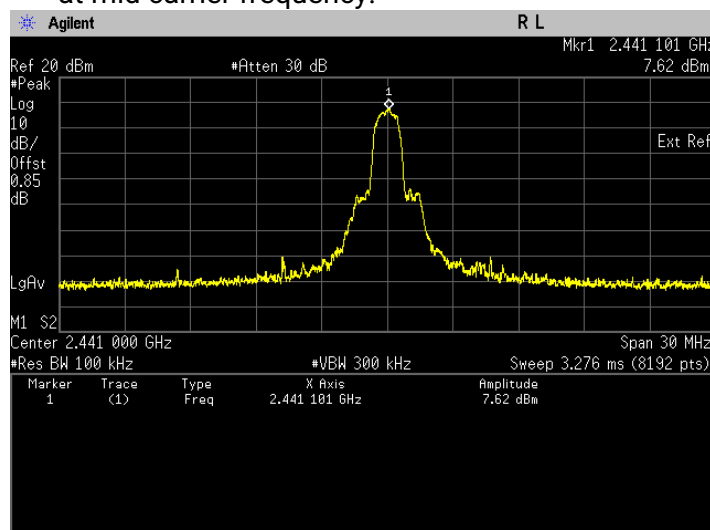
iii. The high emission level within the assigned band at low carrier frequency.



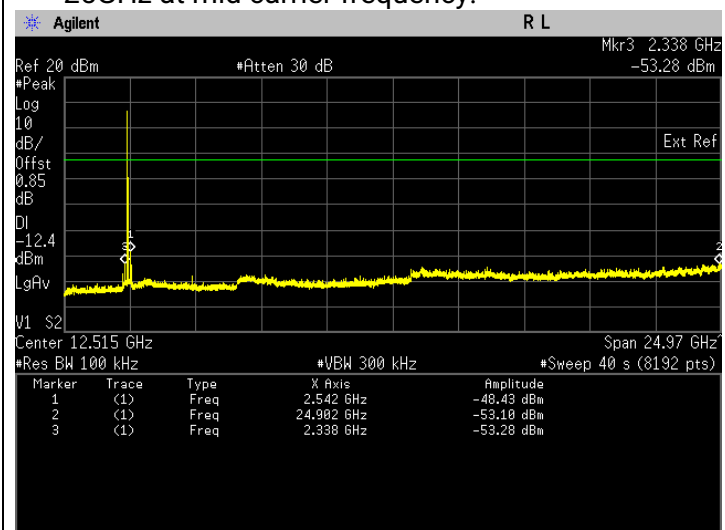
iv. Spurious emission measurement in 30MHz – 25GHz at low carrier frequency.



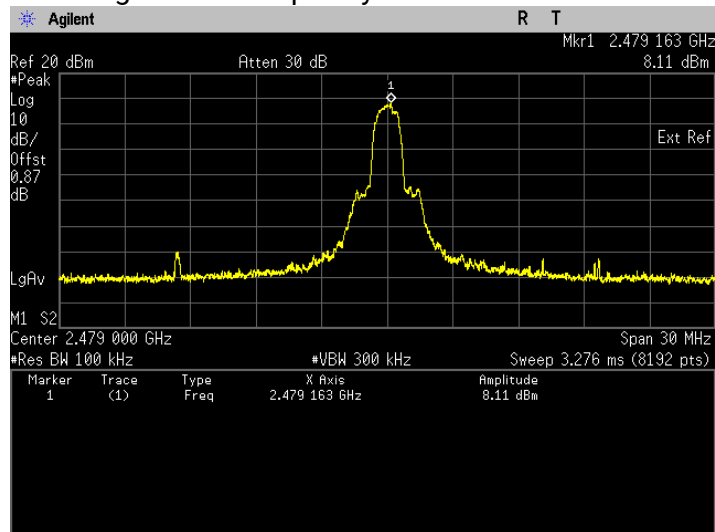
v. The high emission level within the assigned band at mid carrier frequency.



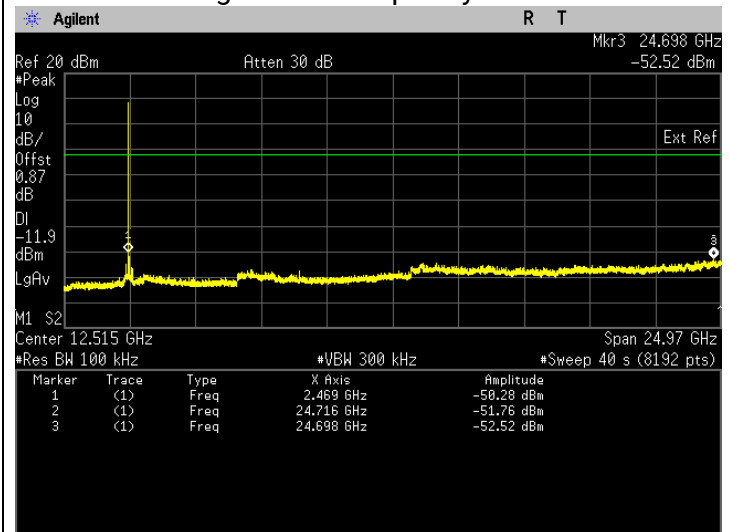
vi. Spurious emission measurement in 30MHz – 25GHz at mid carrier frequency.



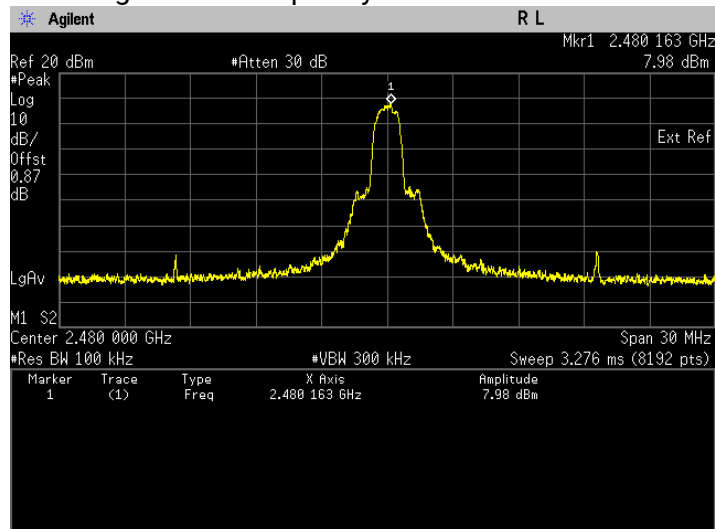
vii. The high emission level within the assigned band at high carrier frequency.



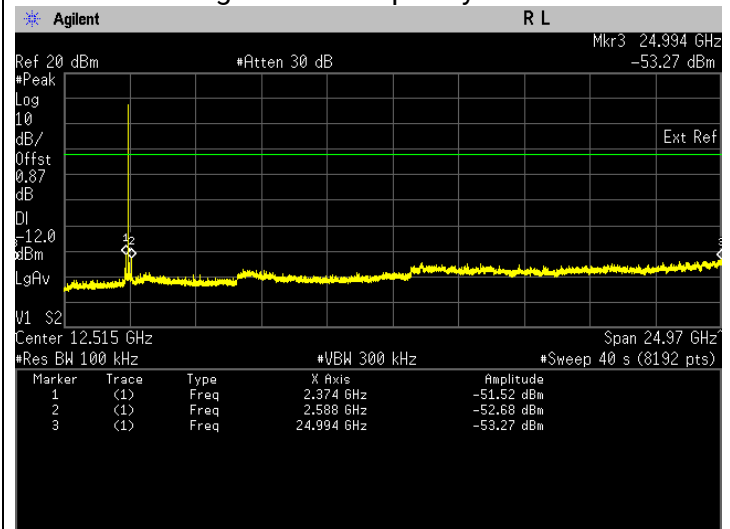
viii. Spurious emission measurement in 30MHz – 25GHz at high carrier frequency.



ix. The high emission level within the assigned band at high carrier frequency.

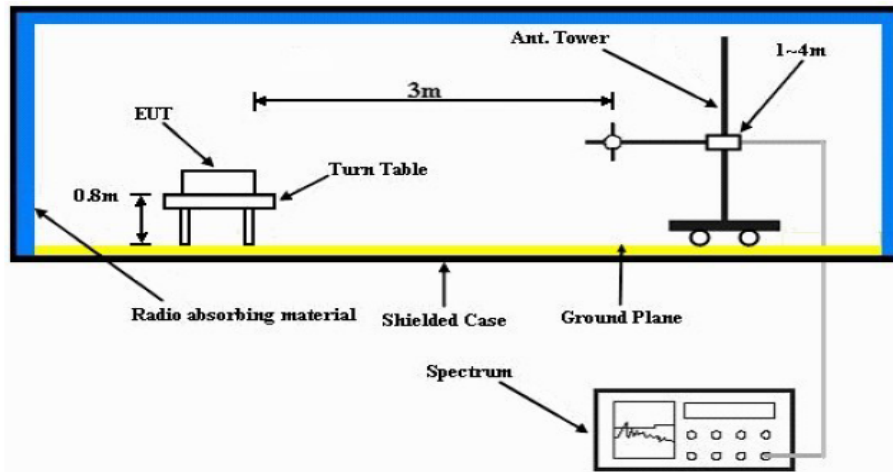


x. Spurious emission measurement in 30MHz – 25GHz at high carrier frequency.



6.8. Radiated Emission within restricted Bands

6.8.1. Test Setup



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

NOTE:

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

6.8.2. Test Limits:

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

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

NOTE:

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

6.8.3. Test Data:

SAC TX Restricted Band-edge : 1470N00-EMC-00030

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 :	BT - GFSK	Channel SP/Bandwidth (kHz) :	1000.0000
Test Frequency (MHz) :	2402.0000	Softpot Power :	10.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	Voltage (V) :	120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	2311.1590	52.40 *	74.00	21.60
Horizontal	Peak	2311.7980	51.05 *	74.00	22.95
Vertical	Average	2390.0000	35.88	54.00	18.12
Horizontal	Average	2390.0000	34.92	54.00	19.08
Vertical	Peak	2390.0000	48.50 *	74.00	25.50
Horizontal	Peak	2390.0000	45.24 *	74.00	28.76

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Sun, 17 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 :

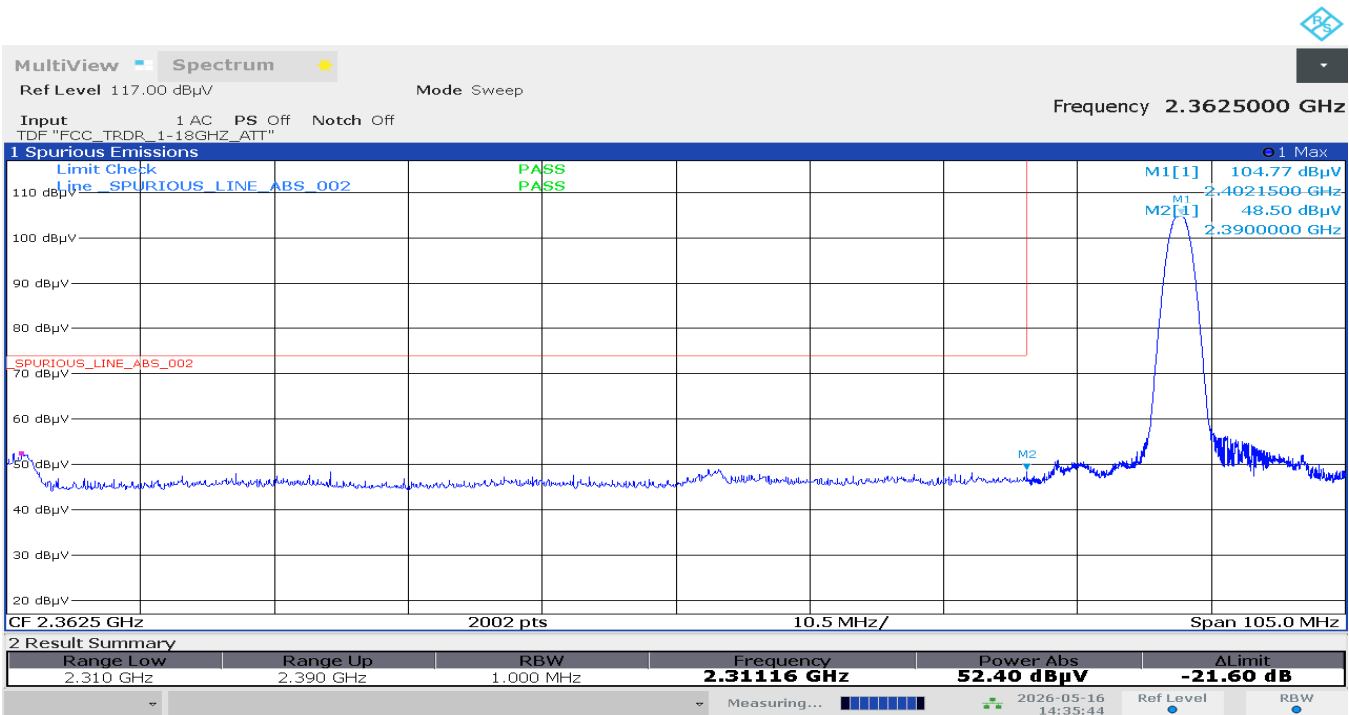
1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.

Restricted Band Edge (Peak,Horizontal)



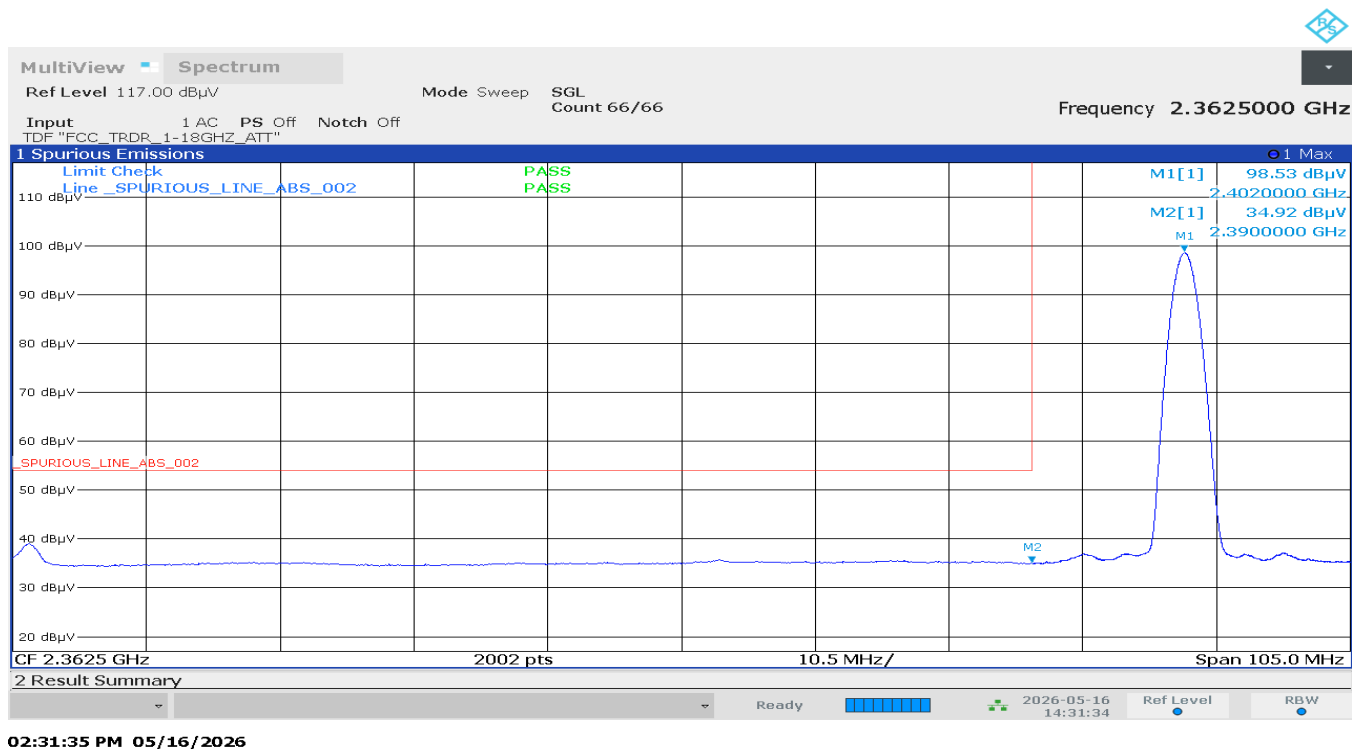
02:38:53 PM 05/16/2026

Restricted Band Edge (Peak,Vertical)

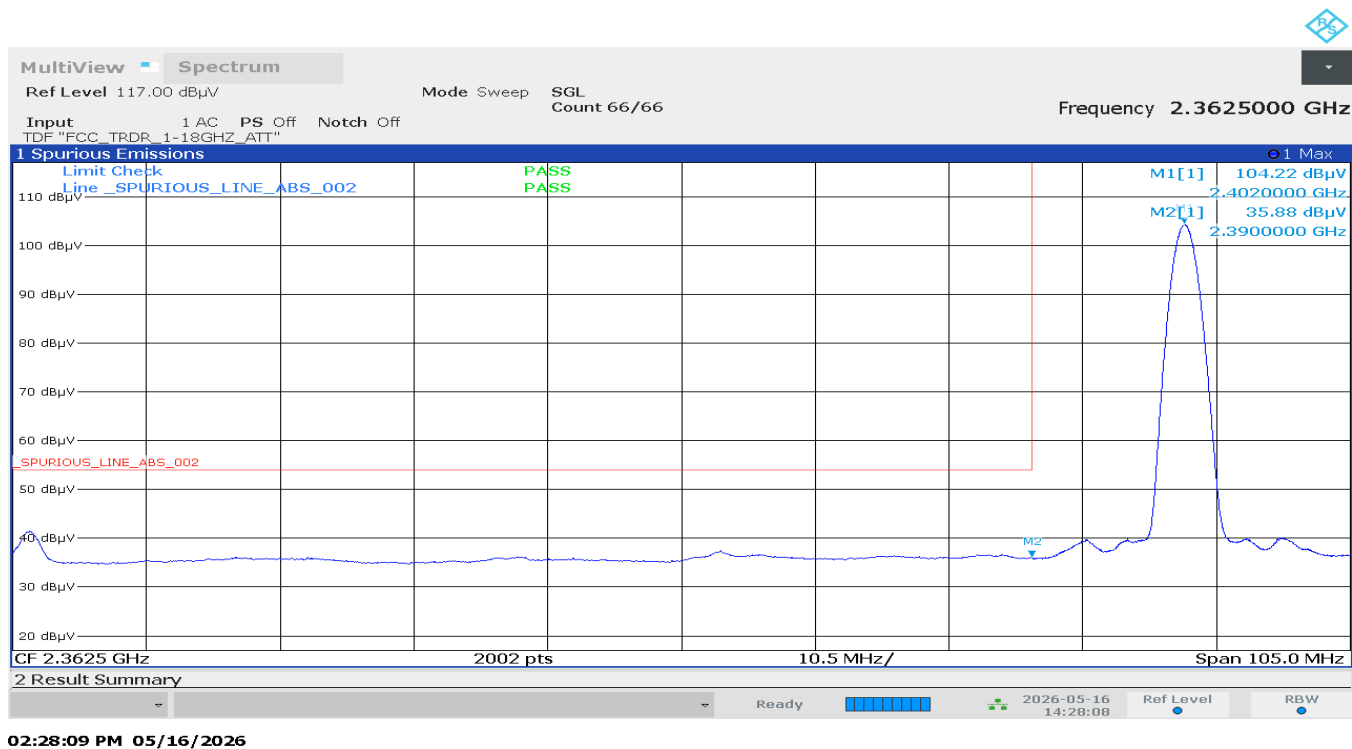


02:35:45 PM 05/16/2026

Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00030

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 : BT - GFSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2480.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	2483.5000	40.65	54.00	13.35
Horizontal	Average	2483.5000	36.44	54.00	17.56
Vertical	Peak	2483.5000	49.38 *	74.00	24.62
Horizontal	Peak	2483.5000	45.98 *	74.00	28.02
Vertical	Peak	2483.8540	54.43	74.00	19.57
Vertical	Peak	2484.2500	53.48 *	74.00	20.52
Horizontal	Peak	2484.4480	50.18 *	74.00	23.82
Vertical	Peak	2484.5470	53.34 *	74.00	20.66
Vertical	Peak	2484.8760	54.29	74.00	19.71
Vertical	Peak	2485.1400	53.56 *	74.00	20.44
Vertical	Peak	2485.2560	53.01 *	74.00	20.99
Vertical	Peak	2485.6180	52.56 *	74.00	21.44
Vertical	Peak	2485.7830	53.79 *	74.00	20.21
Vertical	Peak	2487.2170	52.82 *	74.00	21.18
Horizontal	Peak	2492.8380	46.25 *	74.00	27.75
Vertical	Peak	2499.1350	50.58 *	74.00	23.42
Horizontal	Peak	2499.3160	48.69 *	74.00	25.31

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Rezza Test Date : Sun, 17 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.

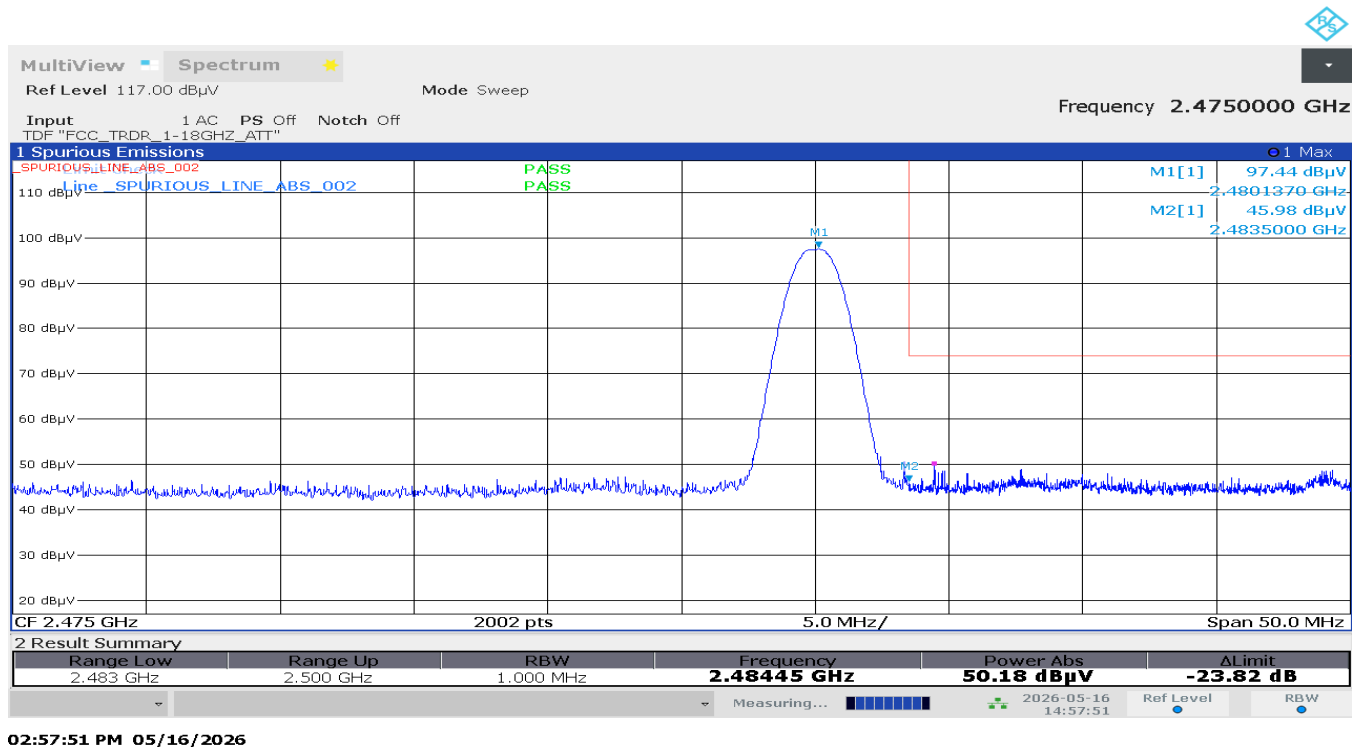
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

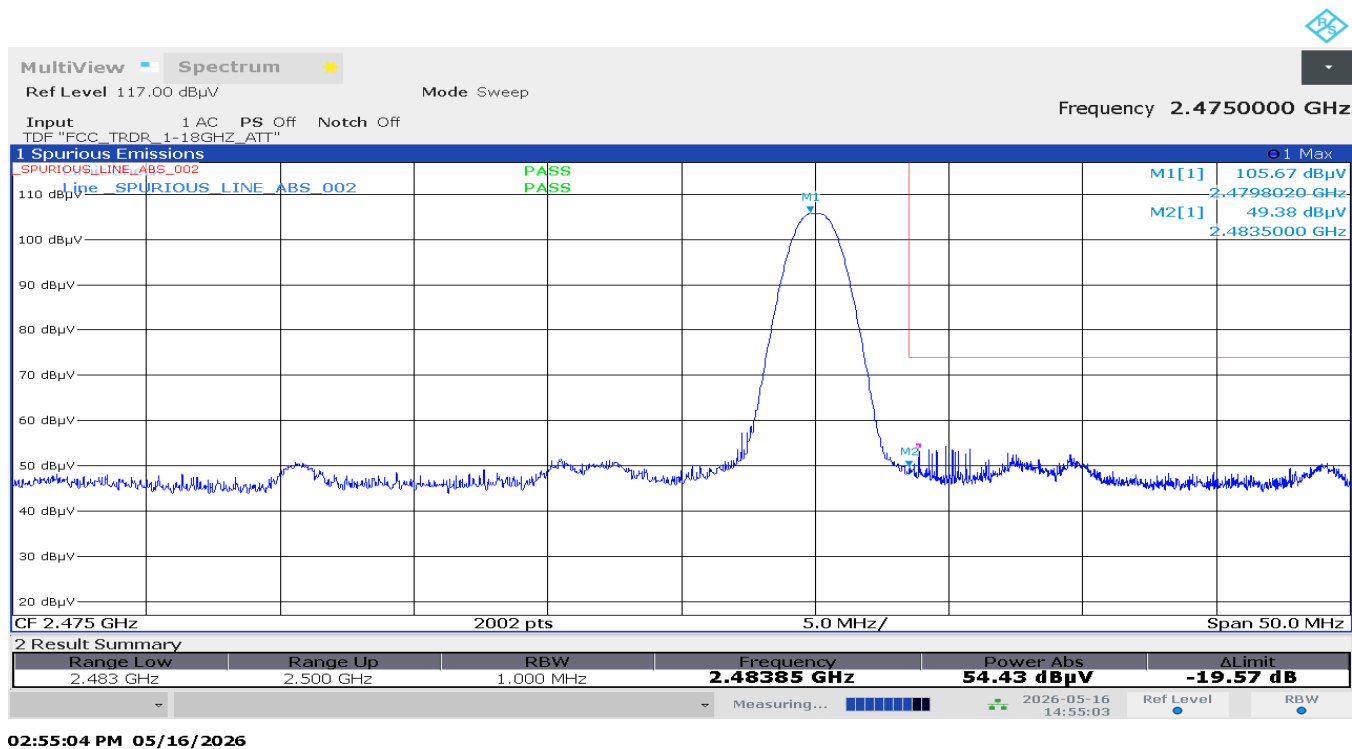
1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.

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

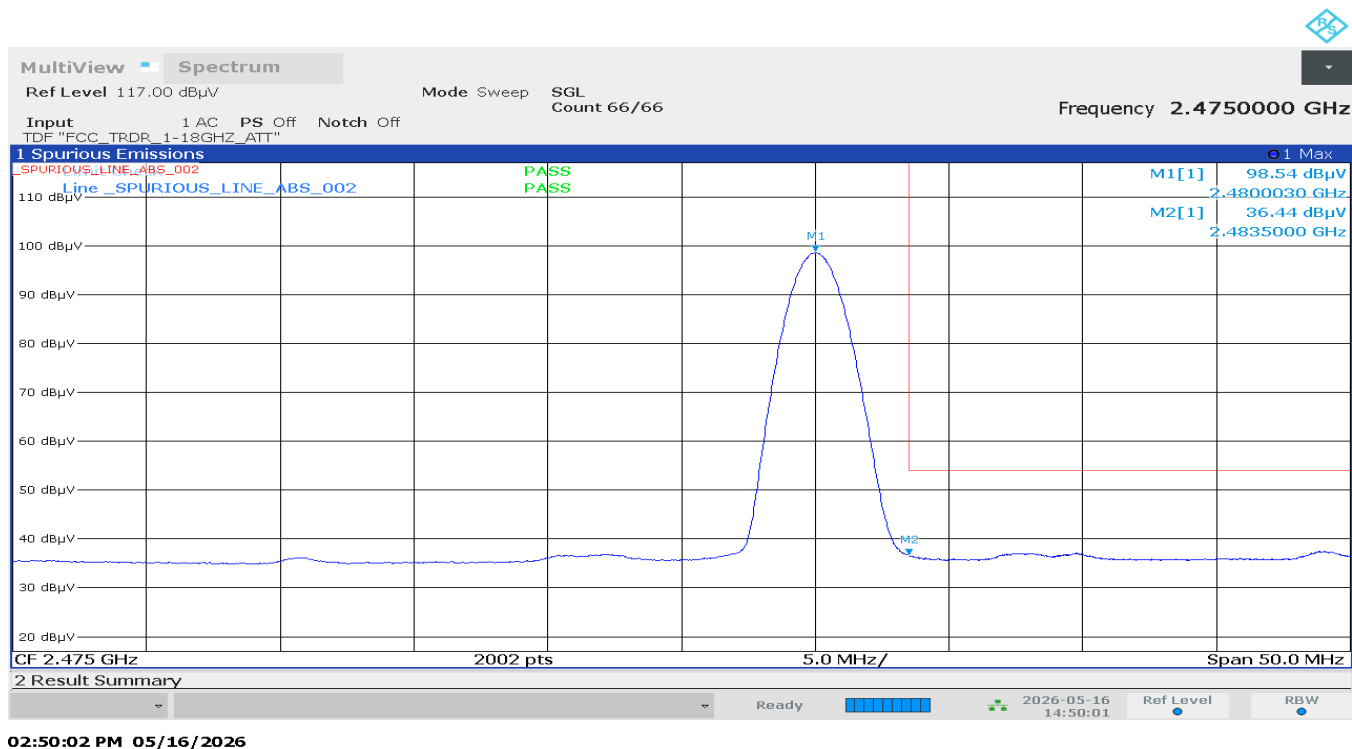
Restricted Band Edge (Peak,Horizontal)



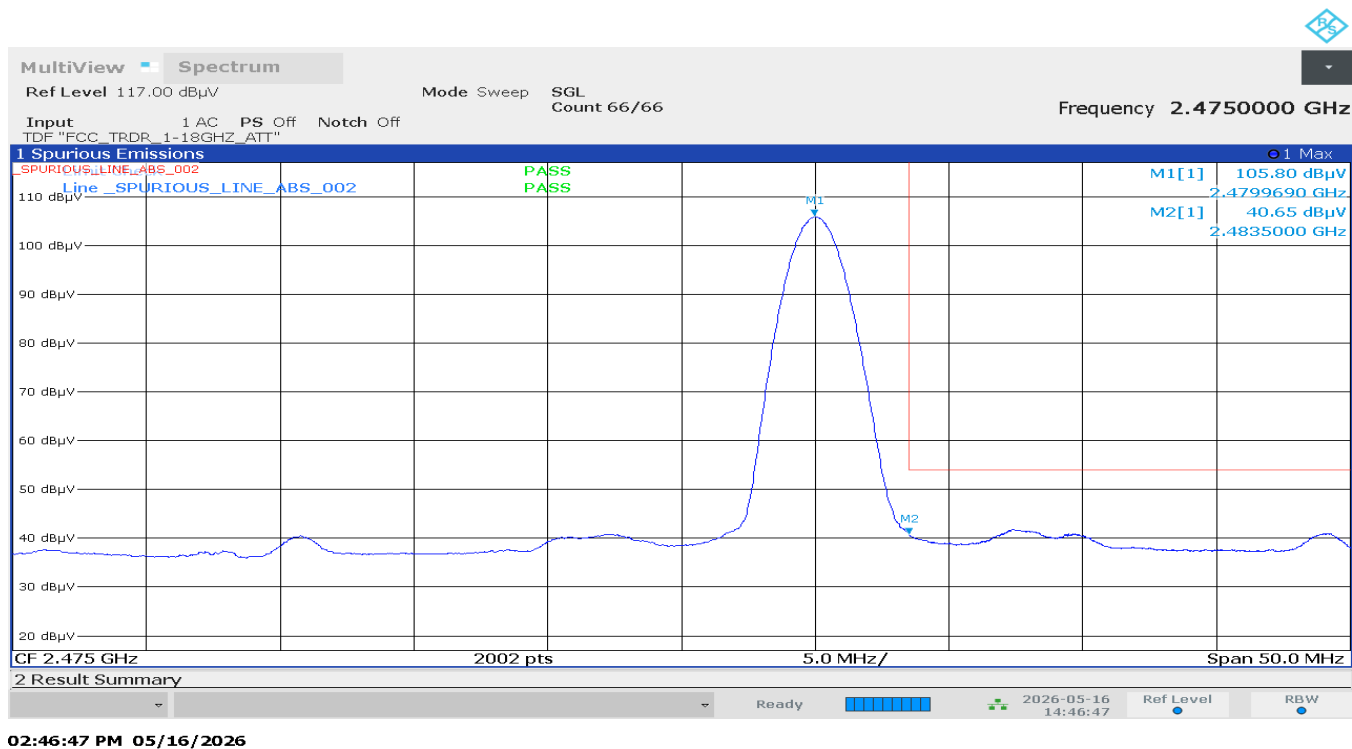
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average, Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00030

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 : BT - PI/4-DQPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2402.0000 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	2311.4790	52.71 *	74.00	21.29
Horizontal	Peak	2313.3170	48.88 *	74.00	25.12
Vertical	Average	2390.0000	36.24	54.00	17.76
Horizontal	Average	2390.0000	35.25	54.00	18.75
Vertical	Peak	2390.0000	47.64 *	74.00	26.36
Horizontal	Peak	2390.0000	44.98 *	74.00	29.02

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Fuad & Rezza Test Date : Sun, 17 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.

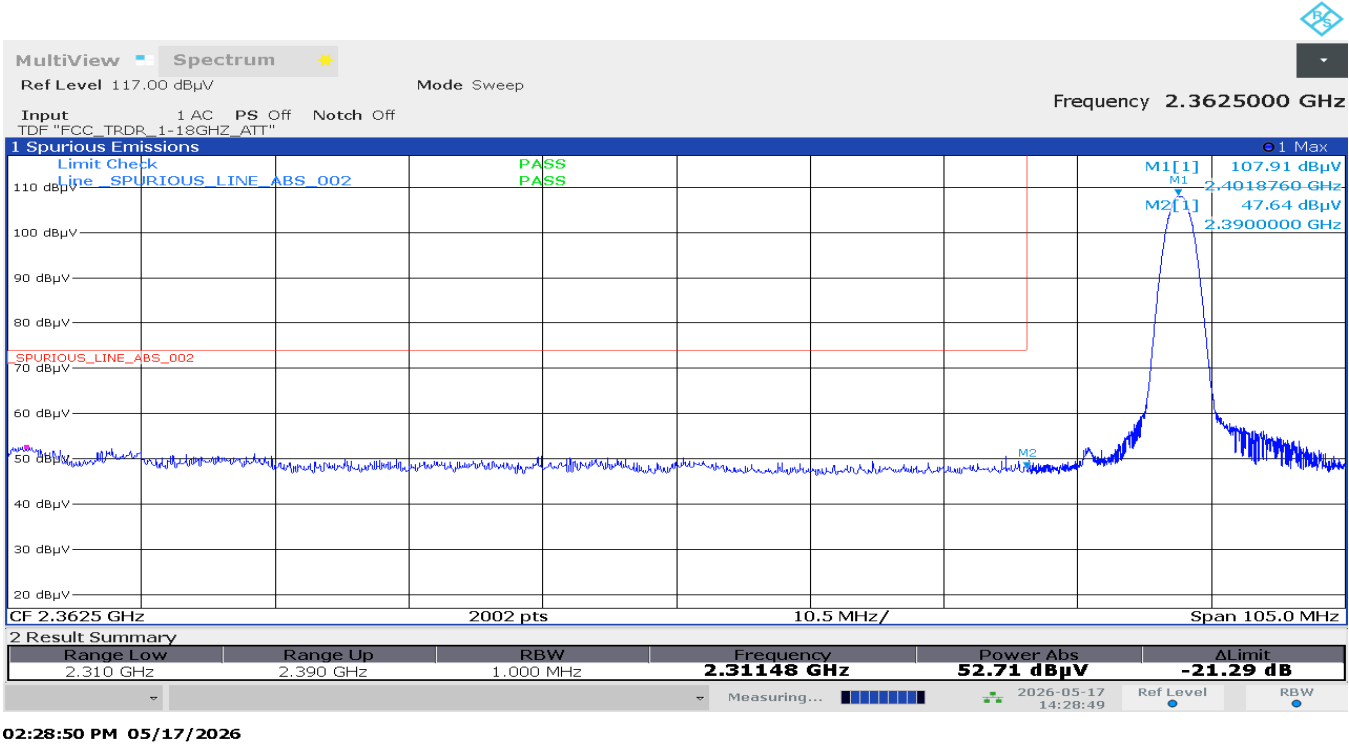
NOTE :

- 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.

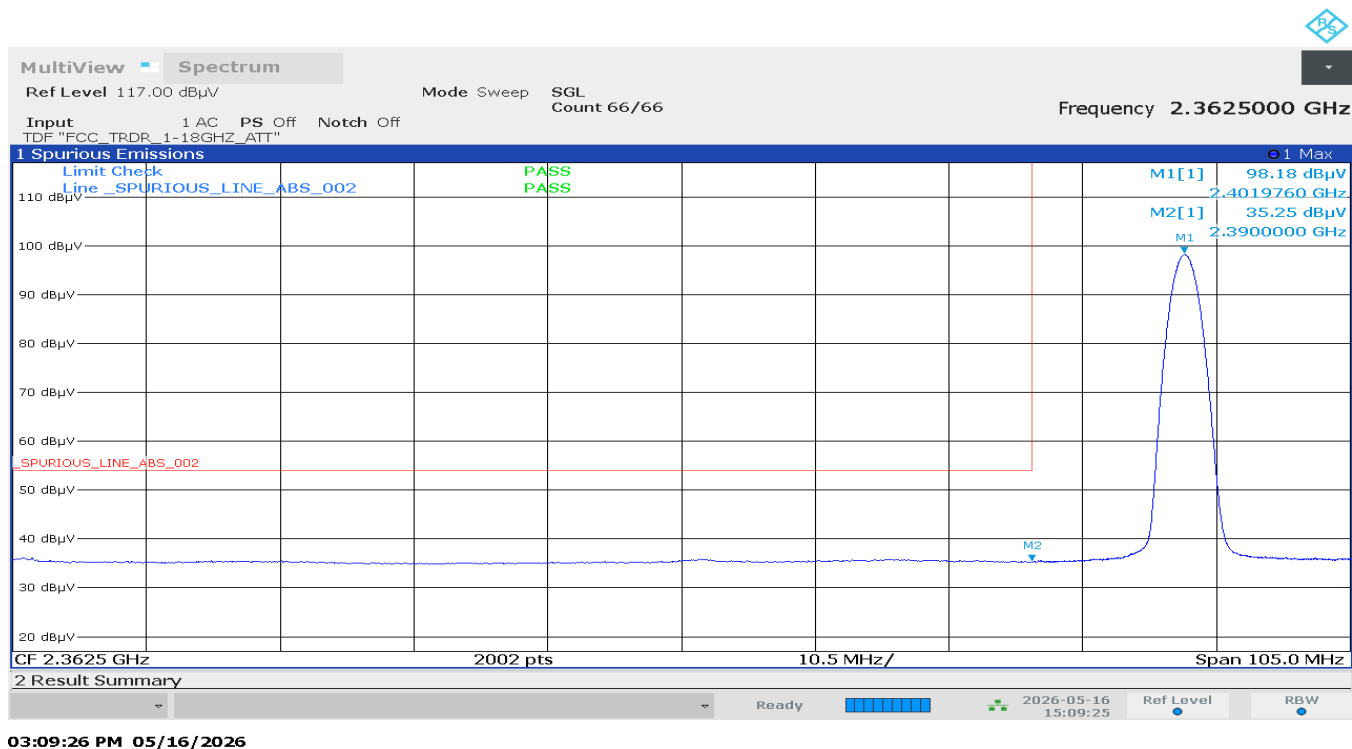
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00030

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 : BT - PI/4-DQPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2480.0000 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	Average	2483.5000	41.75	54.00	12.25
Horizontal	Average	2483.5000	37.23	54.00	16.77
Vertical	Peak	2483.5000	49.03 *	74.00	24.97
Horizontal	Peak	2483.5000	45.88 *	74.00	28.12
Vertical	Peak	2483.7890	55.77	74.00	18.23
Vertical	Peak	2483.9040	55.55	74.00	18.45
Horizontal	Peak	2483.9200	50.97 *	74.00	23.03
Vertical	Peak	2483.9700	55.30	74.00	18.70
Horizontal	Peak	2484.0690	51.50 *	74.00	22.50
Vertical	Peak	2484.6460	55.17	74.00	18.83
Vertical	Peak	2484.9090	54.42	74.00	19.58
Vertical	Peak	2485.5690	53.80 *	74.00	20.20
Vertical	Peak	2485.6840	53.33 *	74.00	20.67
Vertical	Peak	2485.8980	53.19 *	74.00	20.81
Horizontal	Peak	2488.7500	46.71 *	74.00	27.29
Horizontal	Peak	2489.6560	45.86 *	74.00	28.14
Horizontal	Peak	2490.2500	46.95 *	74.00	27.05
Horizontal	Peak	2490.7110	47.72 *	74.00	26.28
Horizontal	Peak	2491.0580	45.73 *	74.00	28.27
Horizontal	Peak	2493.4310	47.26 *	74.00	26.74
Horizontal	Peak	2497.1900	46.55 *	74.00	27.45
Horizontal	Peak	2499.7110	46.61 *	74.00	27.39

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Rezza Test Date : Sun, 17 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

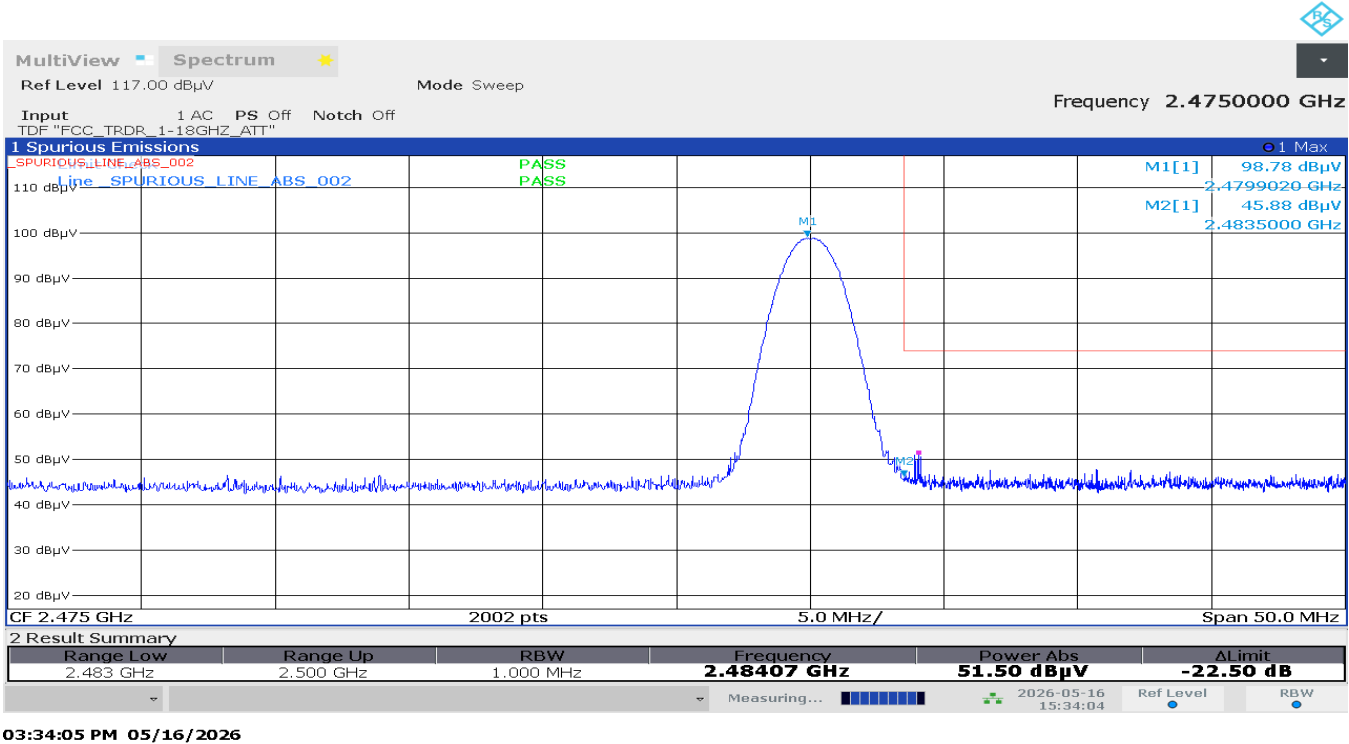
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

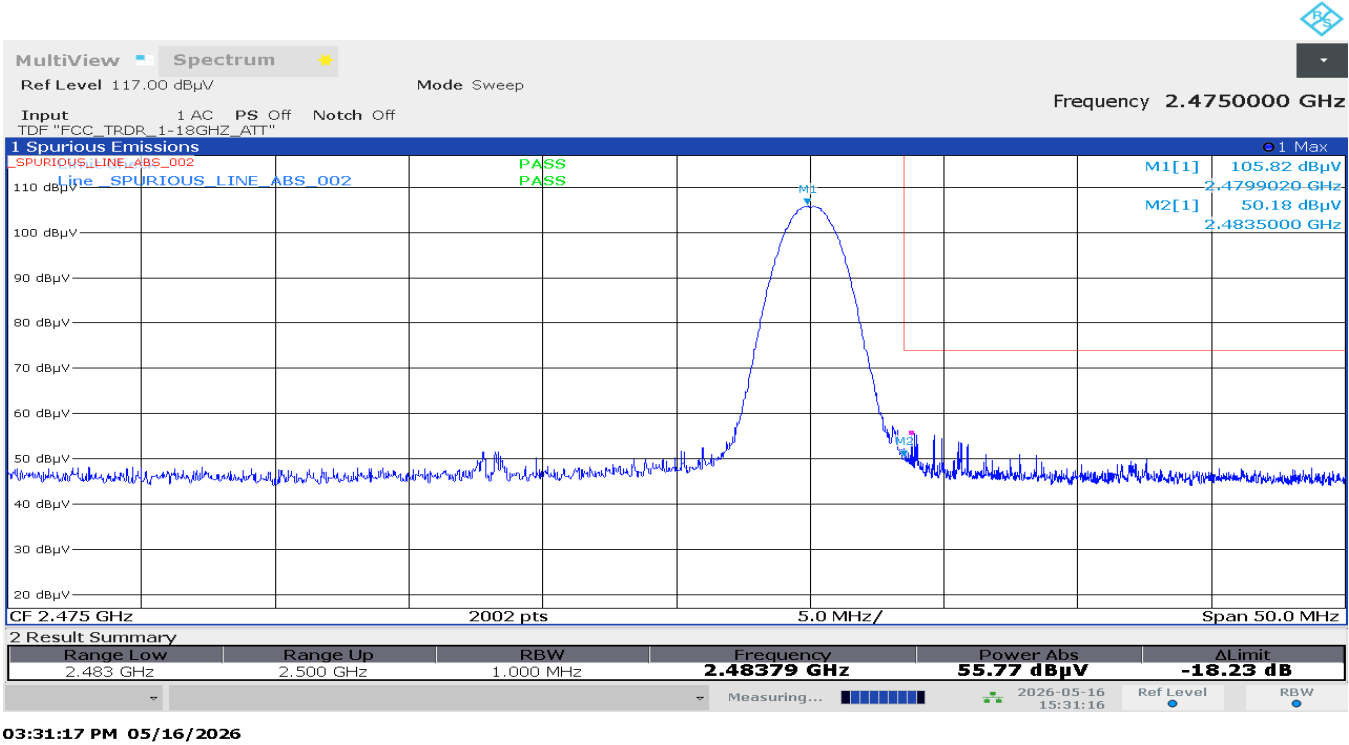
NOTE :

- 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.

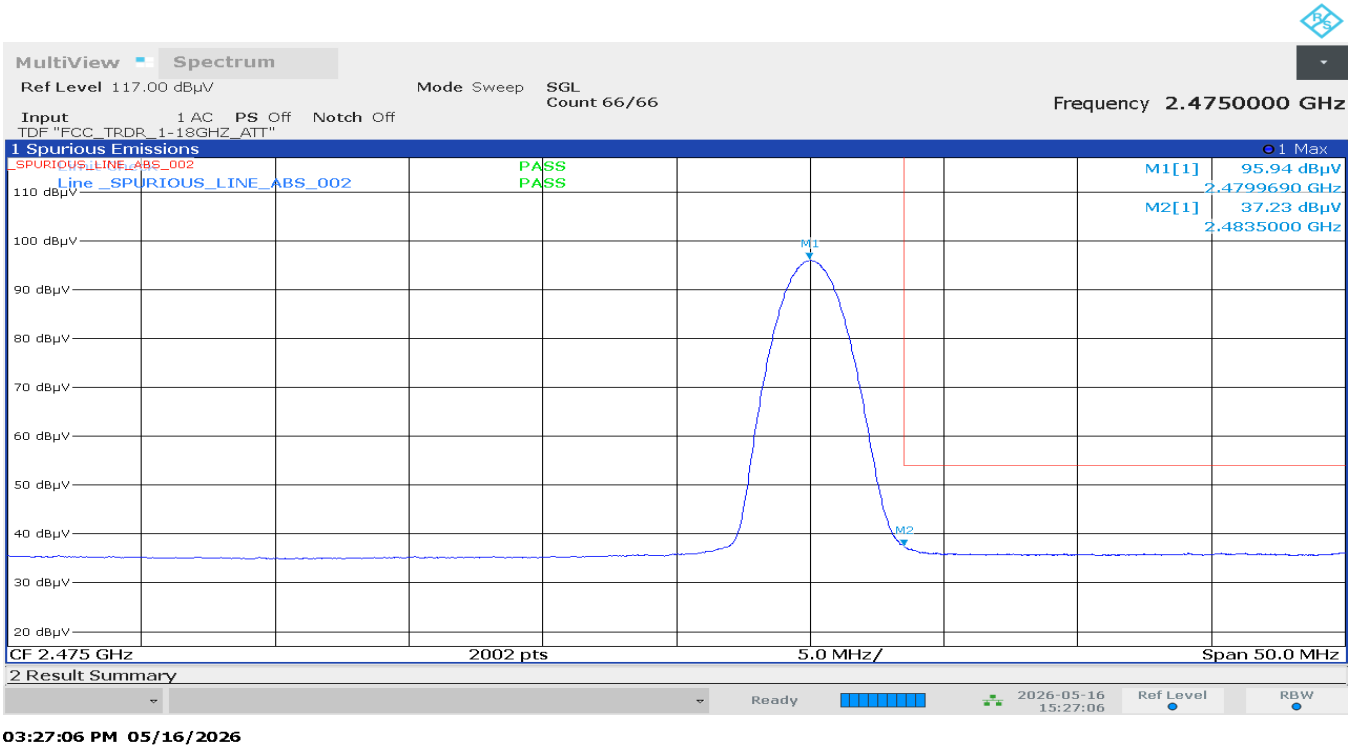
Restricted Band Edge (Peak,Horizontal)



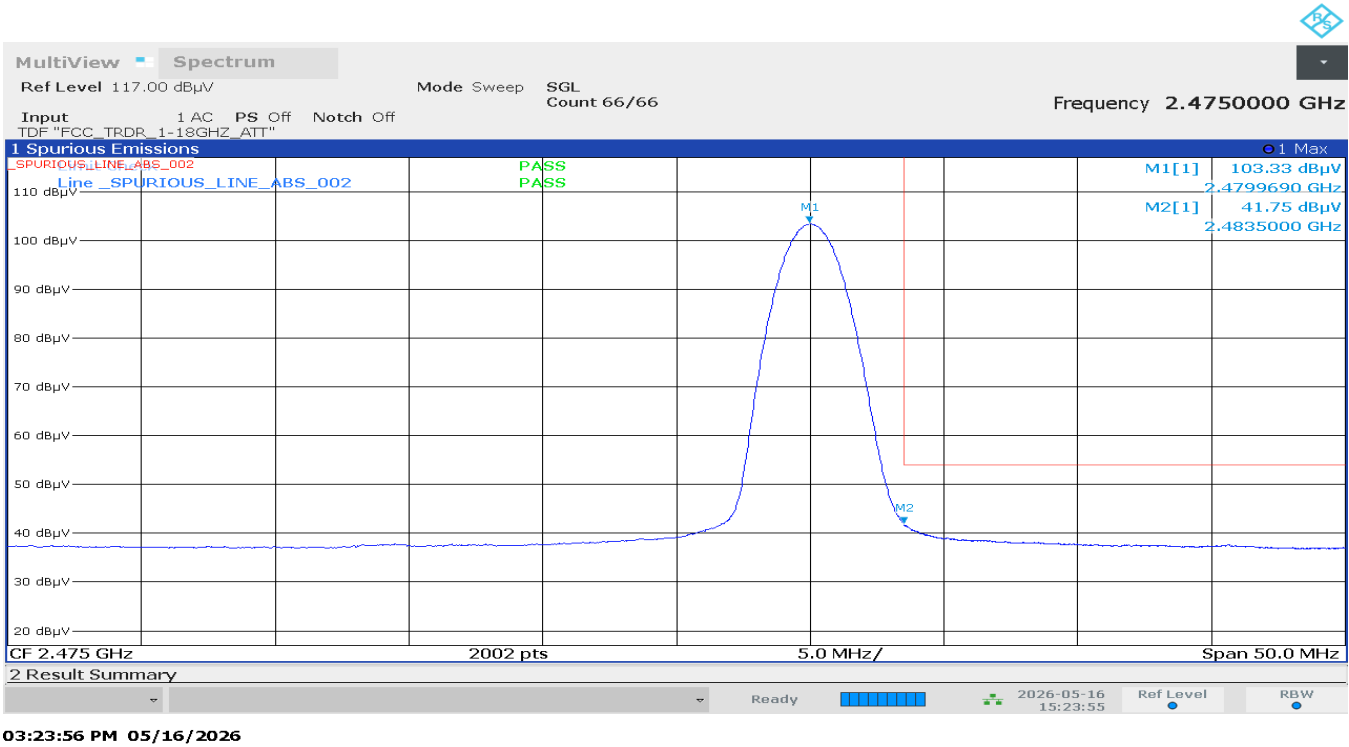
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00030

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 :	BT - 8-DPSK	Channel SP/Bandwidth (kHz) :	1000.0000	
Test Frequency (MHz) :	2402.0000	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)
Horizontal	Peak	2311.1590	47.98 *	74.00	26.02
Vertical	Peak	2334.8950	50.34 *	74.00	23.66
Vertical	Average	2390.0000	36.36	54.00	17.64
Horizontal	Average	2390.0000	35.32	54.00	18.68
Vertical	Peak	2390.0000	46.21 *	74.00	27.79
Horizontal	Peak	2390.0000	45.65 *	74.00	28.35

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Sun, 17 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.

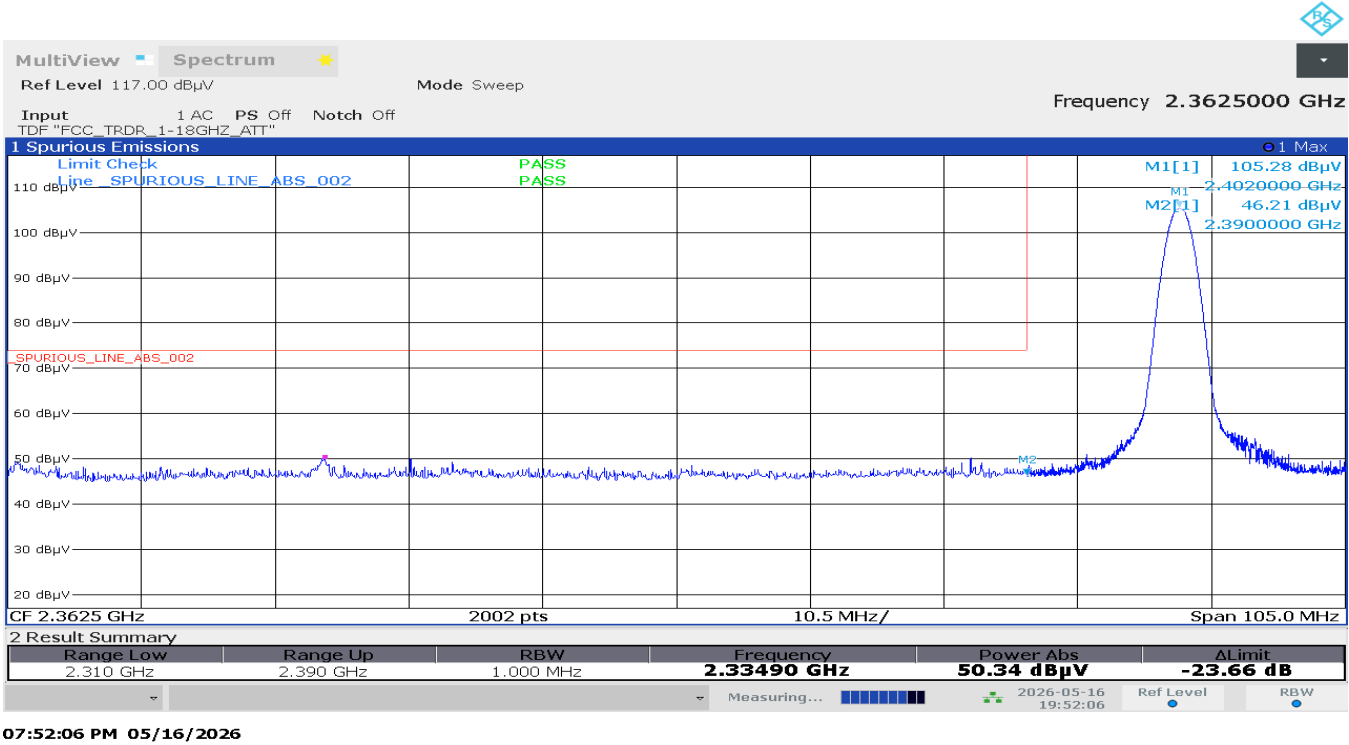
NOTE :

- 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)



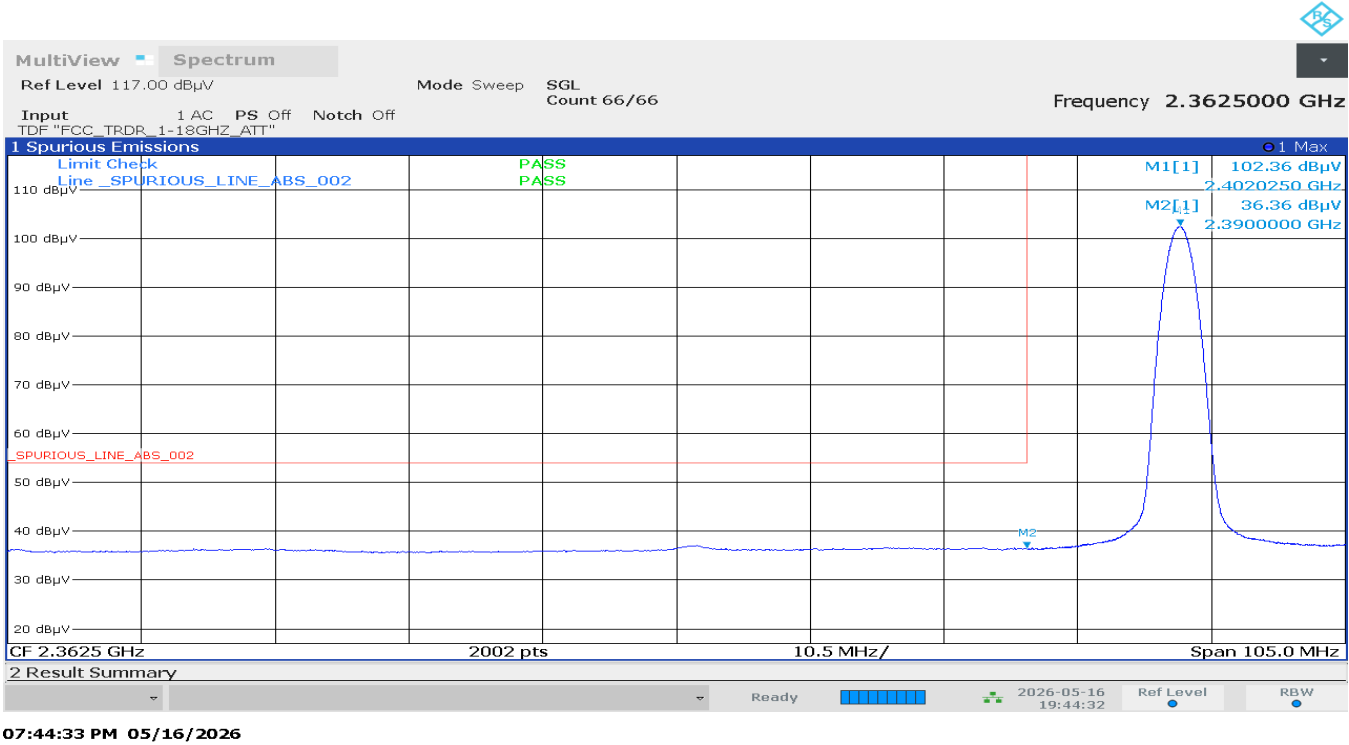
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1470N00-EMC-00030

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 :	BT - 8-DPSK	Channel SP/Bandwidth (kHz) :	1000.0000	
Test Frequency (MHz) :	2480.0000	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	2483.5000	42.63	54.00	11.37
Horizontal	Average	2483.5000	37.14	54.00	16.86
Vertical	Peak	2483.5000	54.57	74.00	19.43
Horizontal	Peak	2483.5000	50.33 *	74.00	23.67
Vertical	Average	2483.5080	42.63	54.00	11.37
Horizontal	Peak	2483.8050	51.78 *	74.00	22.22
Vertical	Peak	2484.3330	54.89	74.00	19.11
Vertical	Peak	2485.0580	54.48	74.00	19.52
Vertical	Peak	2485.5360	53.31 *	74.00	20.69
Horizontal	Peak	2487.0520	50.63 *	74.00	23.37
Horizontal	Peak	2498.4590	47.46 *	74.00	26.54

Temperature (°C) :	23.7	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Sun, 17 May, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

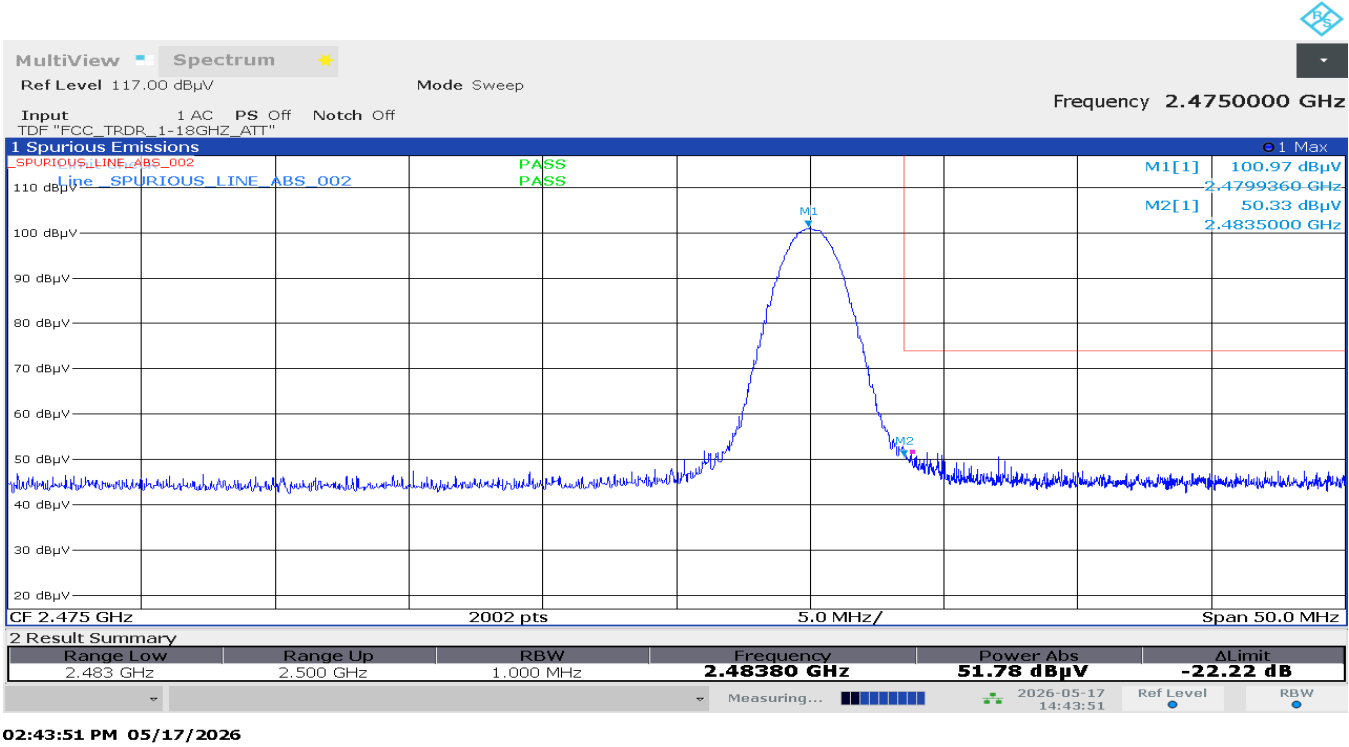
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

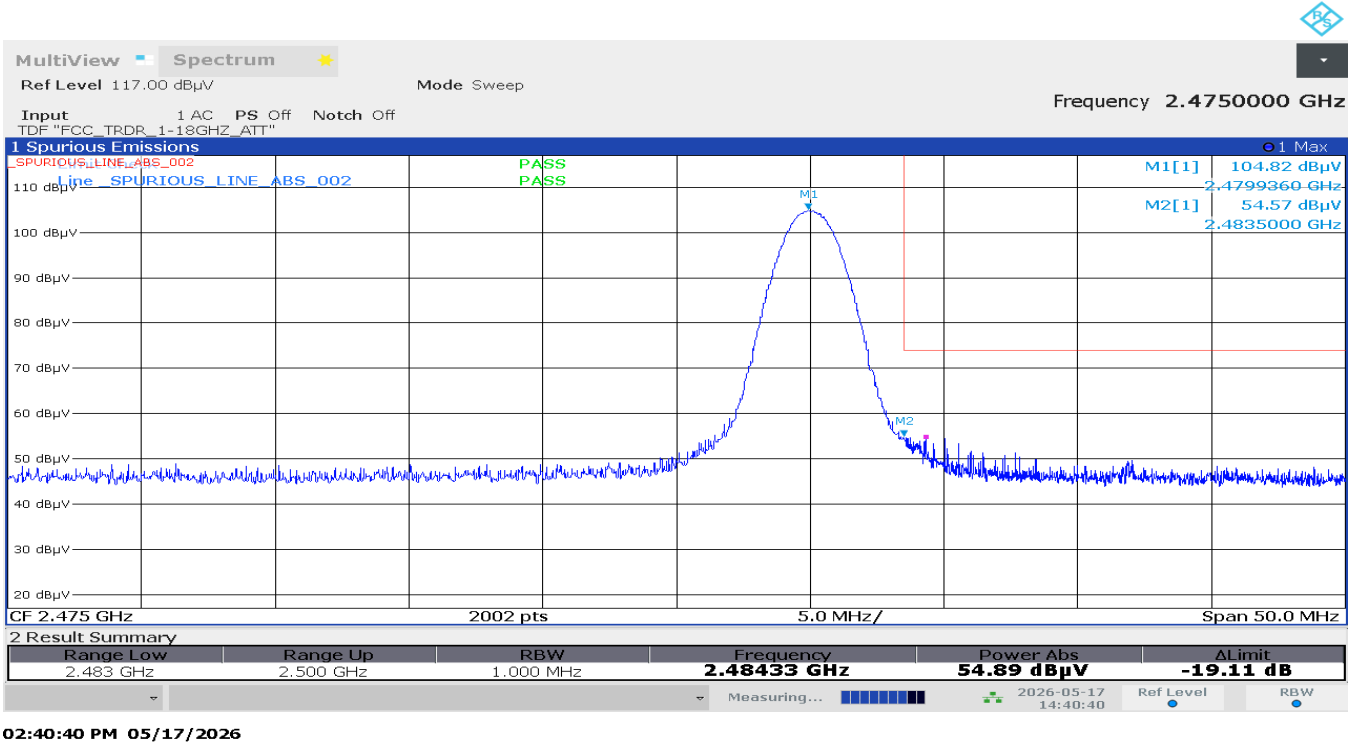
NOTE :

- 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.

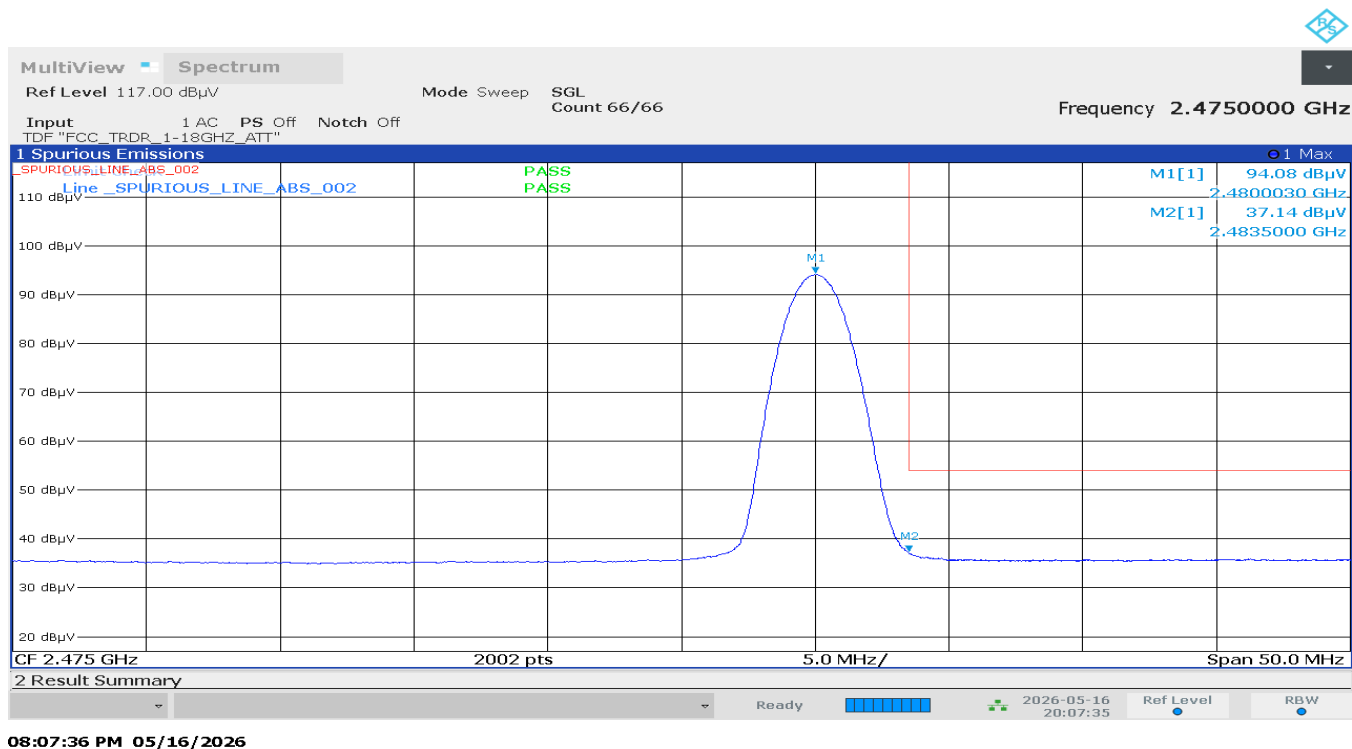
Restricted Band Edge (Peak,Horizontal)



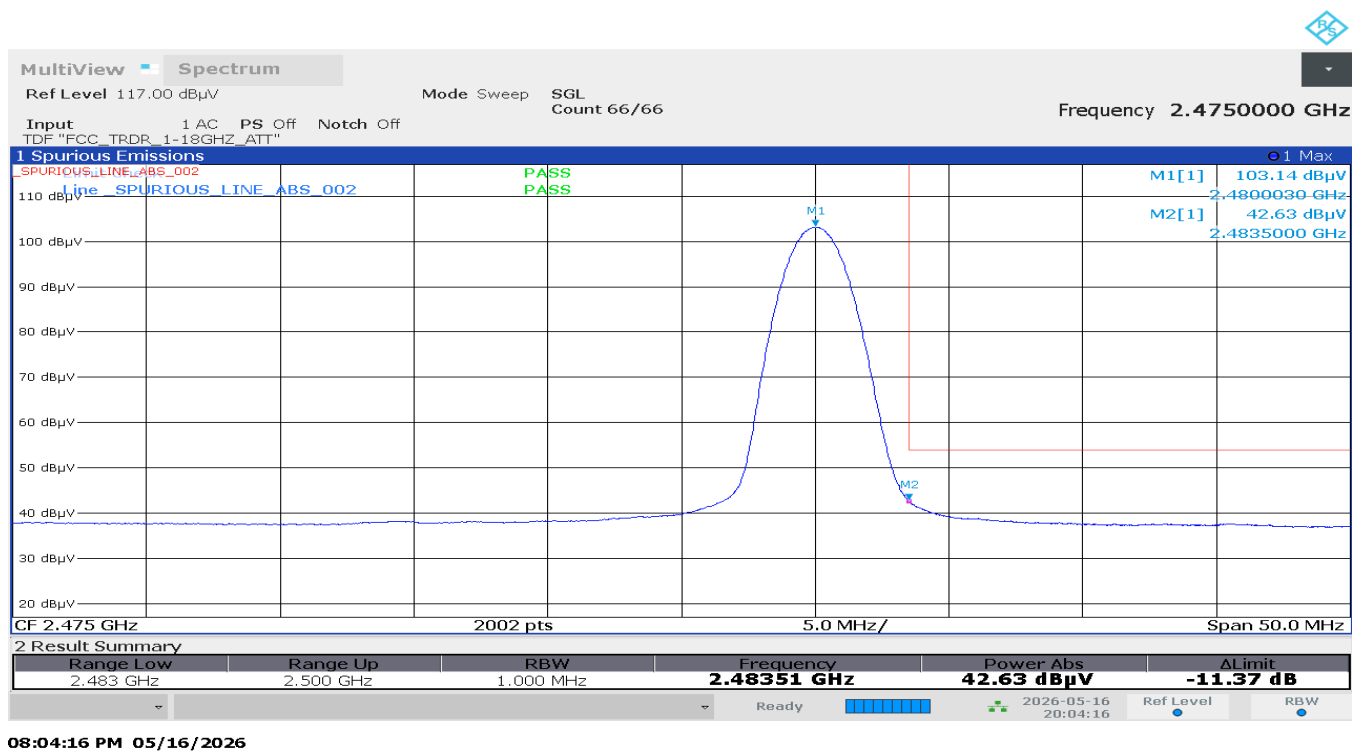
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Radiated Emission : 1470N00-EMC-00030

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 : BT - GFSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2402.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dB μ V/m)	Carrier Power (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
Vertical	Quasi-Peak	74.5440	31.04	-	40.00	8.96
Horizontal	Quasi-Peak	74.5450	27.88	-	40.00	12.12
Vertical	Peak	106.6930	30.17 *	106.22	86.22	56.06
Horizontal	Peak	106.7120	33.96 *	106.22	86.22	52.26
Horizontal	Peak	146.6700	31.60 *	106.22	86.22	54.62
Vertical	Peak	146.6770	31.32 *	106.22	86.22	54.90
Horizontal	Peak	226.8700	31.14 *	106.22	86.22	55.08
Vertical	Peak	226.9120	22.80 *	106.22	86.22	63.42
Horizontal	Quasi-Peak	250.0090	30.19	-	46.00	15.81
Vertical	Quasi-Peak	250.0339	18.43 *	-	46.00	27.57
Horizontal	Peak	592.7920	31.97 *	106.22	86.22	54.26
Vertical	Peak	592.8000	32.31 *	106.22	86.22	53.91
Horizontal	Peak	4804.2050	46.18 *	-	74.00	27.82
Horizontal	Average	4804.2050	38.21	-	54.00	15.79
Vertical	Peak	4804.4710	48.48 *	-	74.00	25.52
Vertical	Average	4804.4710	40.98	-	54.00	13.02

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

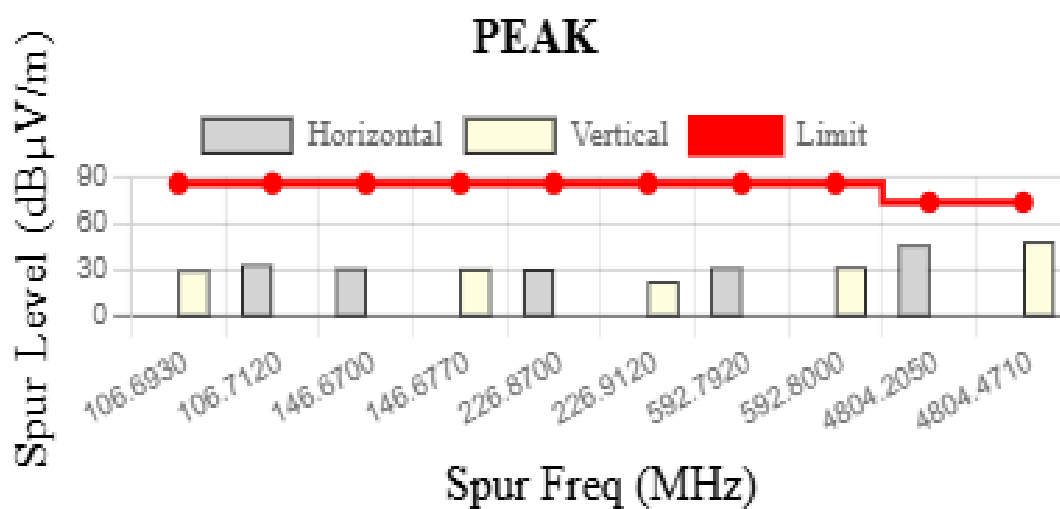
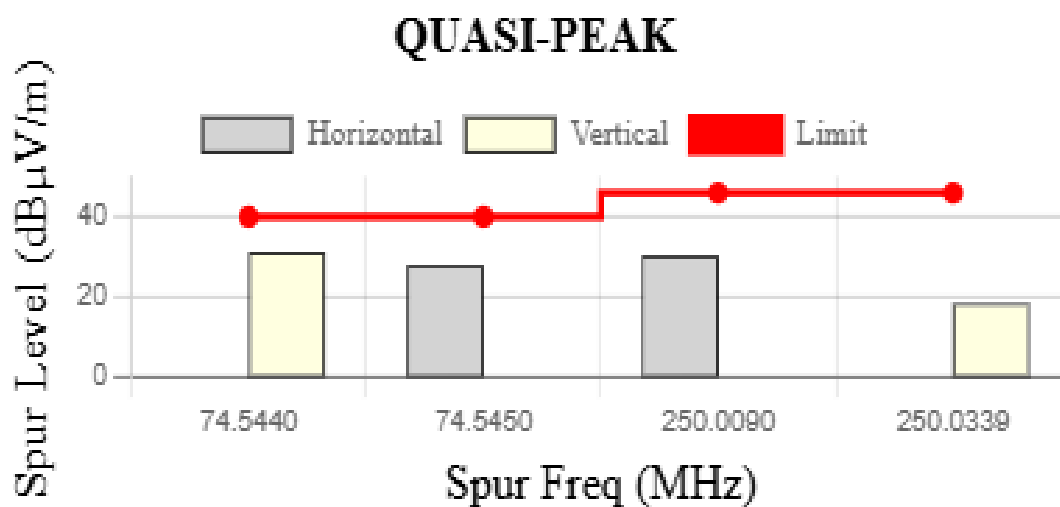
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

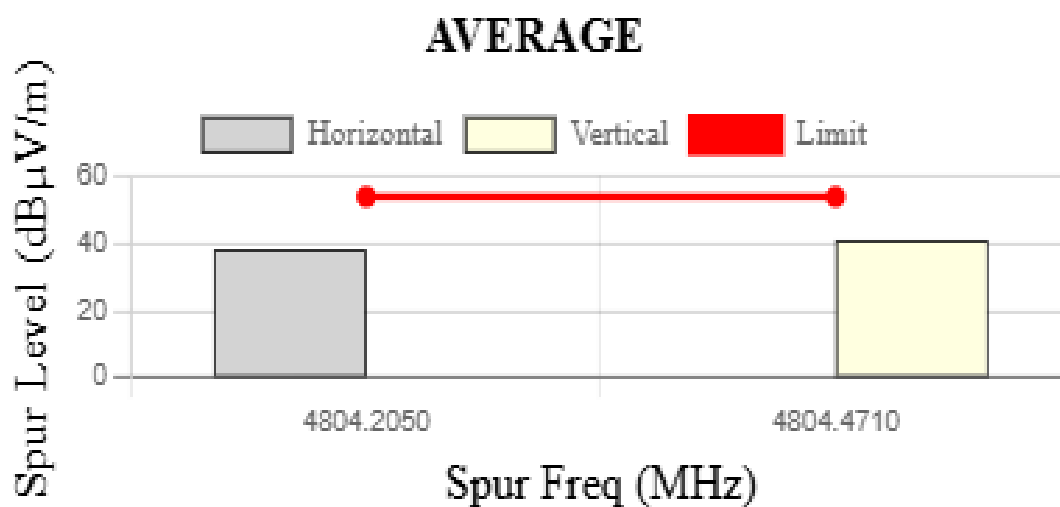
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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-00030

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 : BT - GFSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2441.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	29.9585	8.02 *	-	69.50	61.48
Vertical	Peak	30.7147	30.65 *	106.22	86.22	55.57
Horizontal	Peak	75.9470	32.06 *	106.22	86.22	54.16
Vertical	Peak	75.9730	32.78 *	106.22	86.22	53.44
Horizontal	Peak	106.6870	33.96 *	106.22	86.22	52.26
Vertical	Peak	106.7050	29.85 *	106.22	86.22	56.37
Horizontal	Peak	146.5890	30.22 *	106.22	86.22	56.00
Vertical	Peak	146.6679	30.80 *	106.22	86.22	55.42
Vertical	Peak	226.8900	25.98 *	106.22	86.22	60.25
Horizontal	Peak	226.9180	31.79 *	106.22	86.22	54.43
Horizontal	Quasi-Peak	250.0100	30.36	-	46.00	15.64
Vertical	Quasi-Peak	250.0259	18.66 *	-	46.00	27.34
Vertical	Peak	592.7890	31.05 *	106.22	86.22	55.18
Horizontal	Peak	592.8140	29.69 *	106.22	86.22	56.53
Horizontal	Peak	4881.8410	46.33 *	-	74.00	27.67
Horizontal	Average	4881.8410	36.87	-	54.00	17.13
Vertical	Peak	4882.1150	48.38 *	-	74.00	25.62
Vertical	Average	4882.1150	41.97	-	54.00	12.03

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

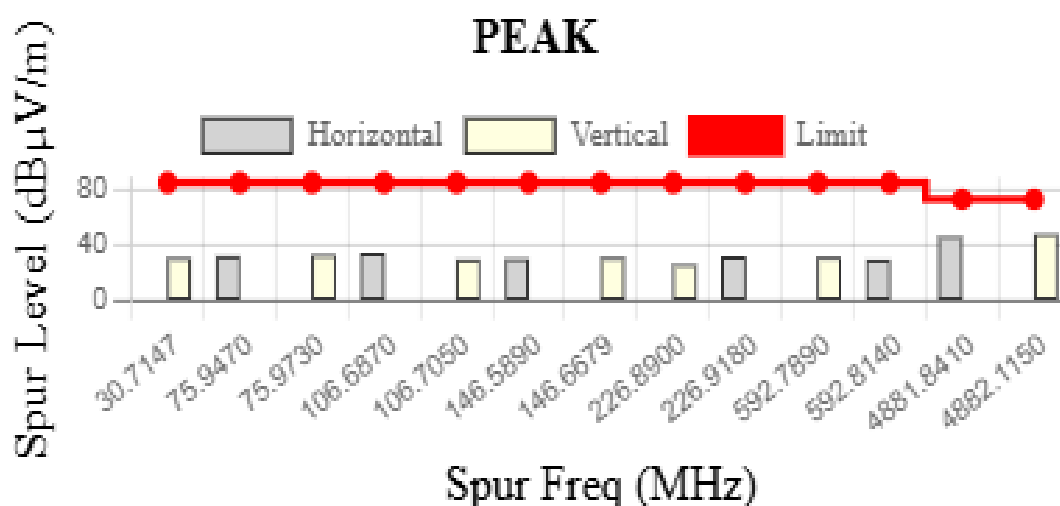
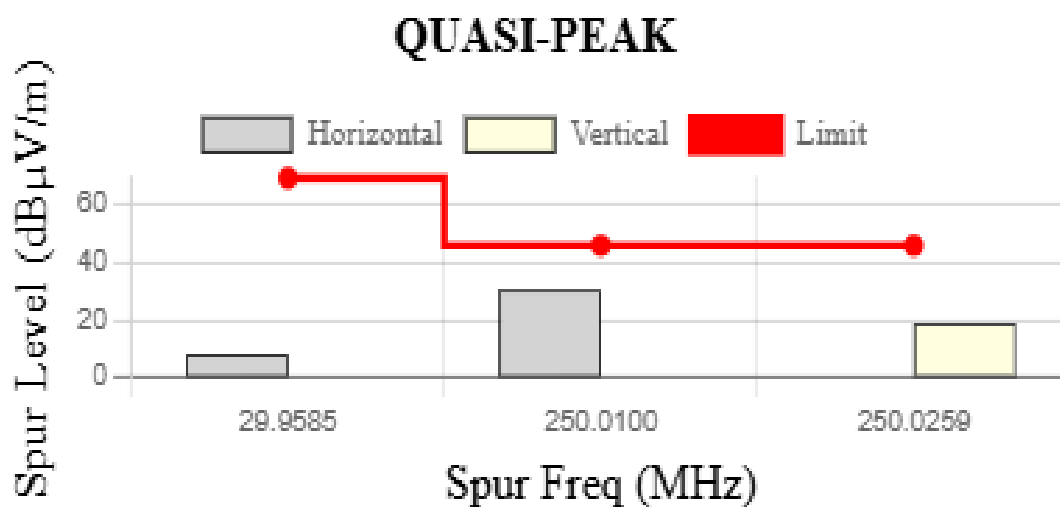
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

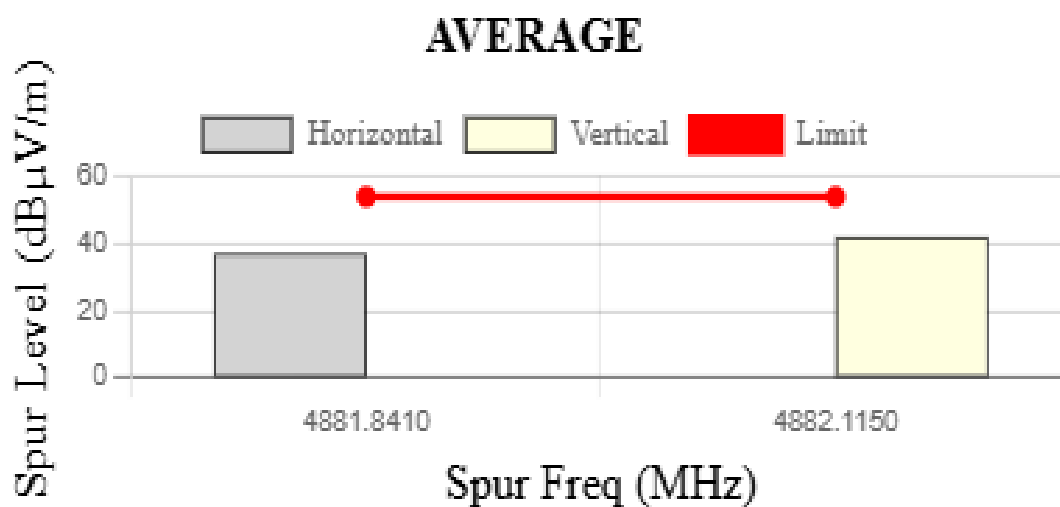
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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-00030

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 : BT - GFSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2480.0000 Softpot Power : 10.00
Plane : Y-Plane Band : -
Test Standard : ANSI C63.10-2020+Cor. 1- Voltage (V) : 120.00
2023+C63.10a-2024 +
Errata to C63.10a-2024

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Quasi-Peak	29.9555	7.98 *	-	69.50	61.52
Vertical	Peak	30.3761	29.33 *	106.22	86.22	56.89
Vertical	Peak	77.1880	33.09 *	106.22	86.22	53.13
Horizontal	Peak	77.2200	33.54 *	106.22	86.22	52.68
Horizontal	Peak	106.6880	33.35 *	106.22	86.22	52.87
Vertical	Peak	106.7269	30.02 *	106.22	86.22	56.20
Vertical	Peak	148.1320	32.17 *	106.22	86.22	54.05
Horizontal	Peak	148.1510	32.35 *	106.22	86.22	53.88
Vertical	Peak	180.5762	23.90 *	106.22	86.22	62.32
Horizontal	Peak	180.6571	29.08 *	106.22	86.22	57.15
Horizontal	Peak	223.4310	30.44 *	106.22	86.22	55.78
Vertical	Peak	223.4580	23.08 *	106.22	86.22	63.14
Vertical	Peak	592.7870	31.35 *	106.22	86.22	54.87
Horizontal	Peak	592.8090	32.02 *	106.22	86.22	54.21
Vertical	Peak	1499.9460	38.49 *	-	74.00	35.51
Vertical	Average	1499.9460	31.55 *	-	54.00	22.45
Horizontal	Peak	1500.0880	38.09 *	-	74.00	35.91
Horizontal	Average	1500.0880	30.14 *	-	54.00	23.86

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

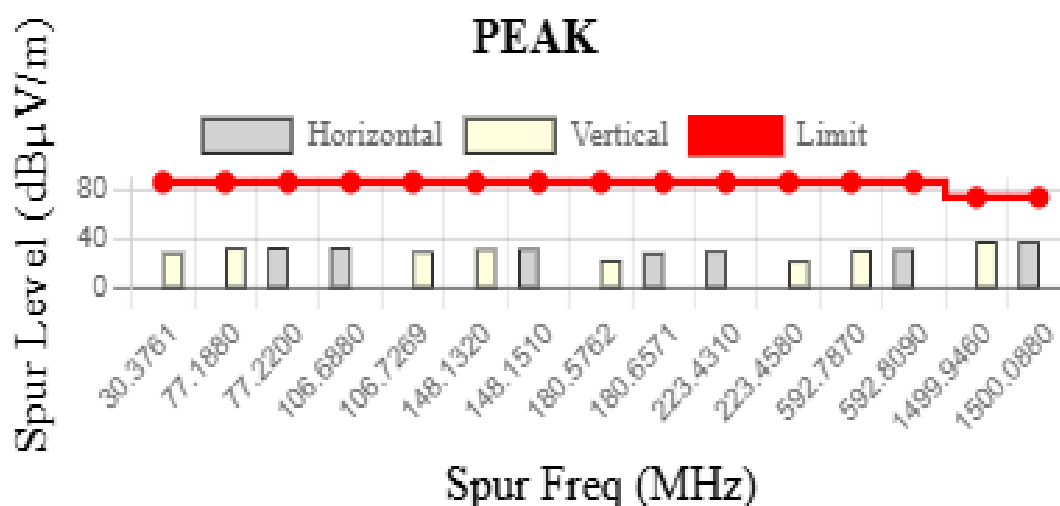
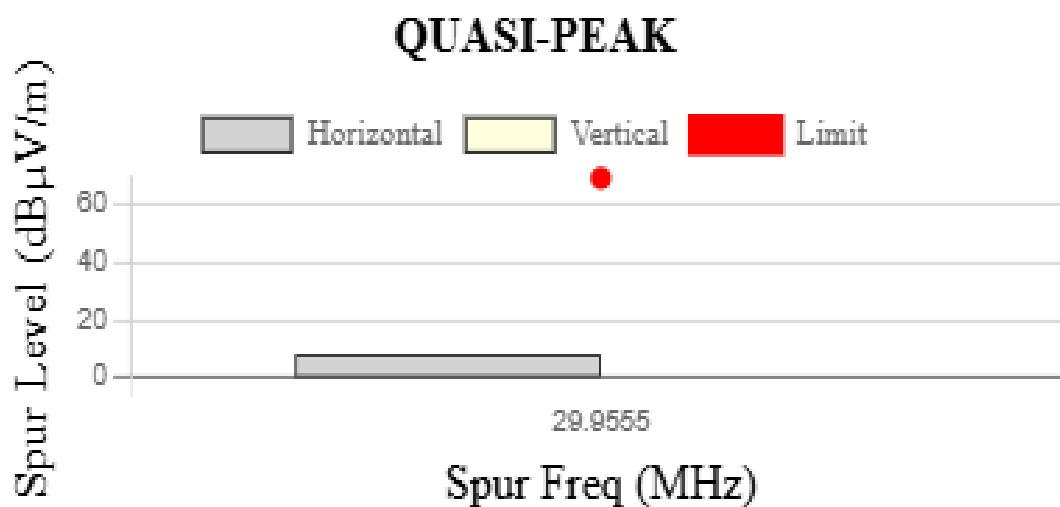
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

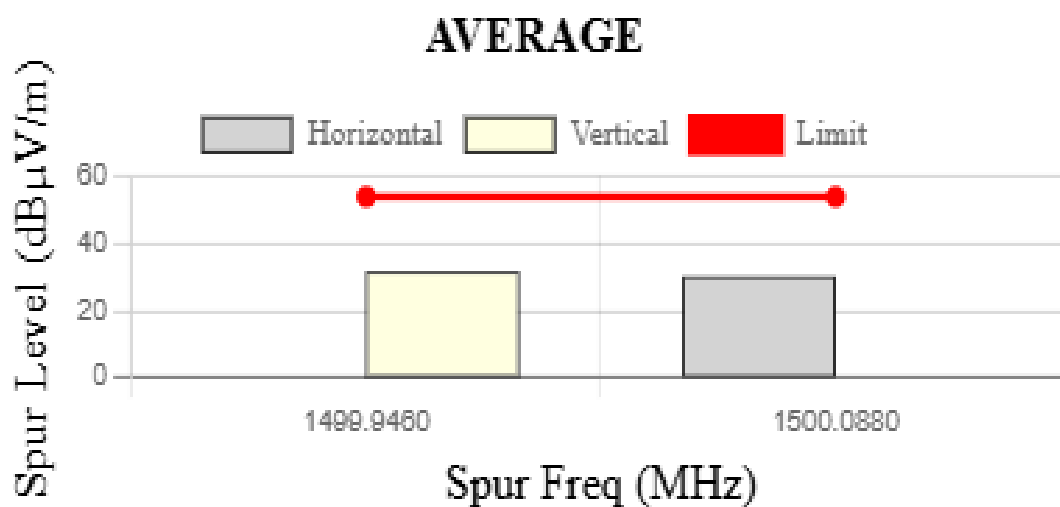
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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-00030

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 : BT - PI/4-DQPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2402.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	30.3923	29.00 *	106.22	86.22	57.22
Vertical	Peak	30.7237	29.81 *	106.22	86.22	56.42
Vertical	Peak	77.1900	33.21 *	106.22	86.22	53.02
Horizontal	Peak	77.2140	33.06 *	106.22	86.22	53.16
Vertical	Peak	106.6770	29.64 *	106.22	86.22	56.58
Horizontal	Peak	106.7170	33.41 *	106.22	86.22	52.81
Horizontal	Peak	148.1110	32.26 *	106.22	86.22	53.96
Vertical	Peak	148.1510	30.74 *	106.22	86.22	55.48
Horizontal	Peak	180.3884	28.85 *	106.22	86.22	57.38
Vertical	Peak	180.8239	20.26 *	106.22	86.22	65.96
Horizontal	Peak	223.4300	30.32 *	106.22	86.22	55.90
Vertical	Peak	223.4430	25.95 *	106.22	86.22	60.28
Horizontal	Quasi-Peak	250.0050	29.80	-	46.00	16.20
Vertical	Quasi-Peak	250.0319	18.06 *	-	46.00	27.94
Horizontal	Peak	1500.0570	40.16 *	-	74.00	33.84
Horizontal	Average	1500.0570	31.86 *	-	54.00	22.14
Vertical	Peak	1500.2810	38.04 *	-	74.00	35.96
Vertical	Average	1500.2810	30.74 *	-	54.00	23.26
Horizontal	Peak	4804.2810	45.54 *	-	74.00	28.46
Horizontal	Average	4804.2810	35.60	-	54.00	18.40
Vertical	Peak	4804.3280	46.75 *	-	74.00	27.25
Vertical	Average	4804.3280	37.05	-	54.00	16.95

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

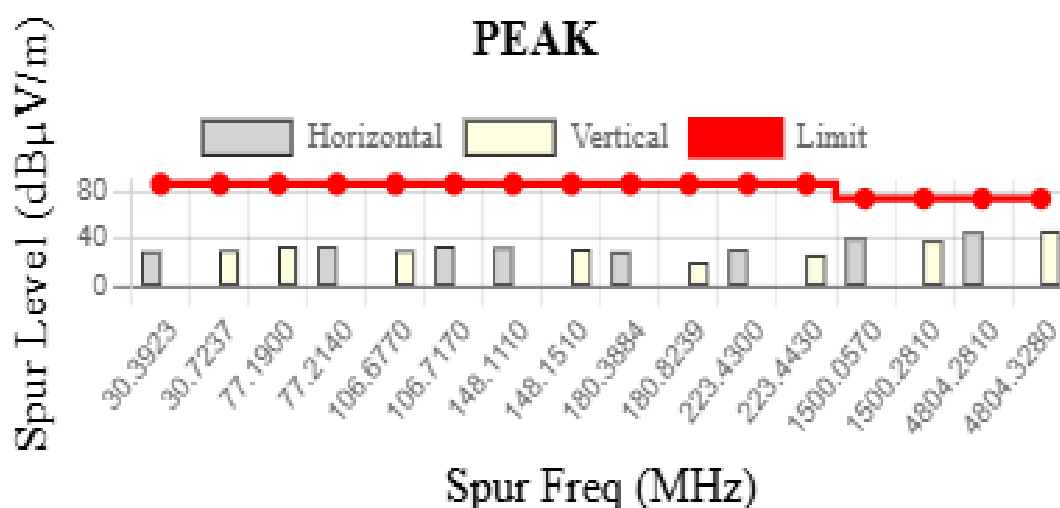
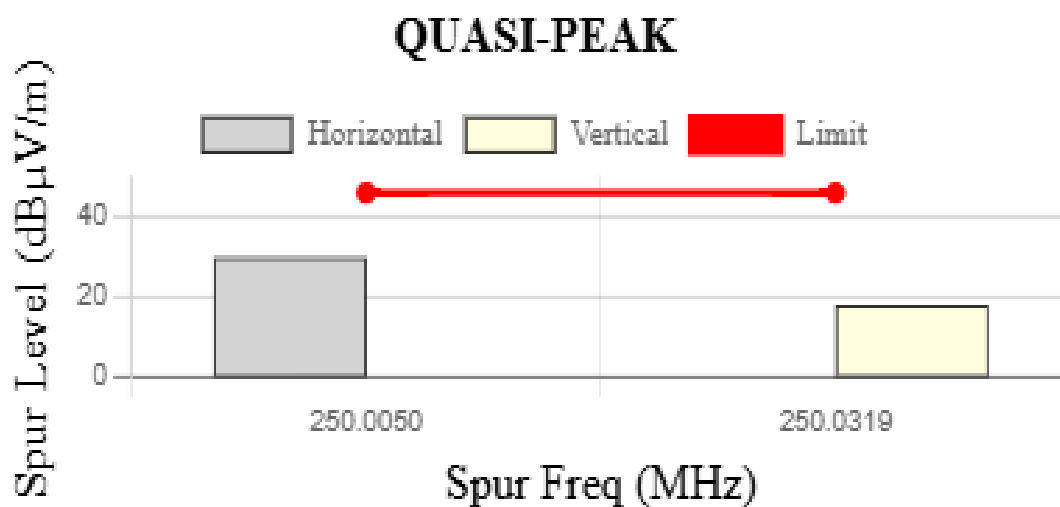
Remarks:

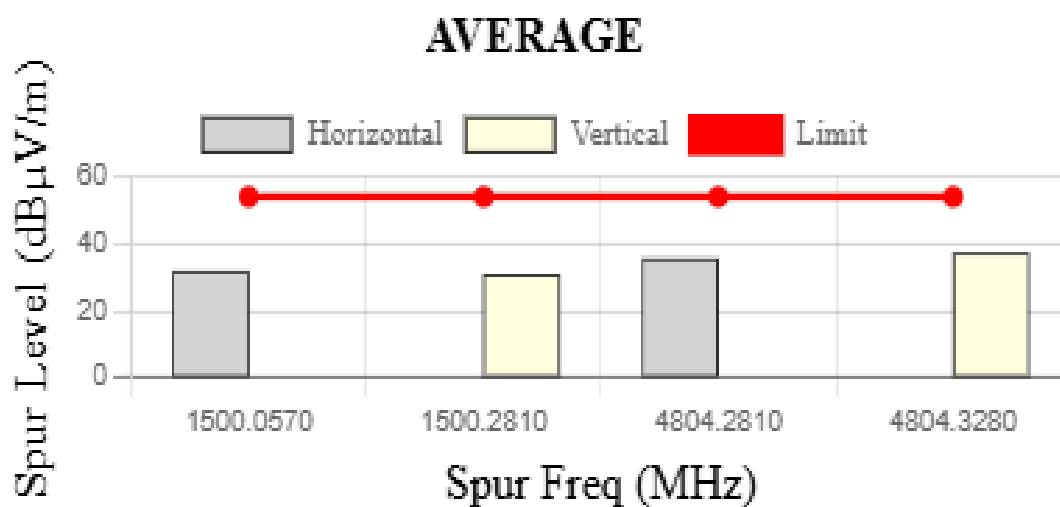
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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-00030

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 : BT - PI/4-DQPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2441.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	30.3933	31.34 *	106.22	86.22	54.89
Horizontal	Peak	30.4292	29.10 *	106.22	86.22	57.12
Horizontal	Quasi-Peak	74.5790	30.27	-	40.00	9.73
Vertical	Quasi-Peak	74.5819	31.47	-	40.00	8.53
Vertical	Peak	106.6890	29.92 *	106.22	86.22	56.30
Horizontal	Peak	106.7000	33.26 *	106.22	86.22	52.96
Vertical	Peak	159.8873	27.93 *	106.22	86.22	58.29
Horizontal	Peak	160.6076	31.77 *	106.22	86.22	54.46
Horizontal	Peak	226.8750	31.68 *	106.22	86.22	54.54
Vertical	Peak	226.8910	26.23 *	106.22	86.22	59.99
Vertical	Quasi-Peak	249.9930	18.33 *	-	46.00	27.67
Horizontal	Quasi-Peak	250.0010	29.82	-	46.00	16.18
Vertical	Peak	592.7820	31.15 *	106.22	86.22	55.07
Horizontal	Peak	592.8180	30.53 *	106.22	86.22	55.69
Vertical	Peak	1499.8750	37.73 *	-	74.00	36.27
Vertical	Average	1499.8750	30.80 *	-	54.00	23.20
Horizontal	Peak	1500.2480	39.16 *	-	74.00	34.84
Horizontal	Average	1500.2480	30.62 *	-	54.00	23.38

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

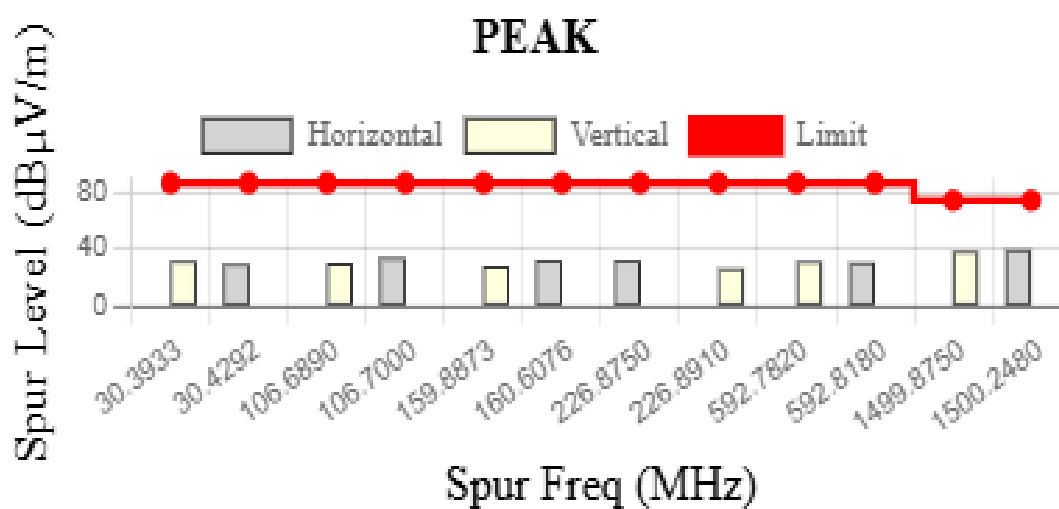
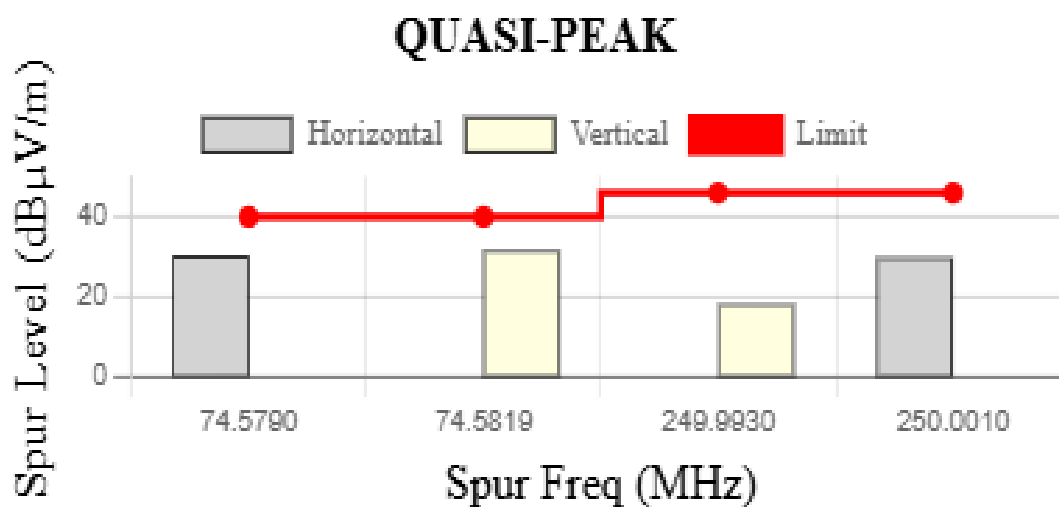
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

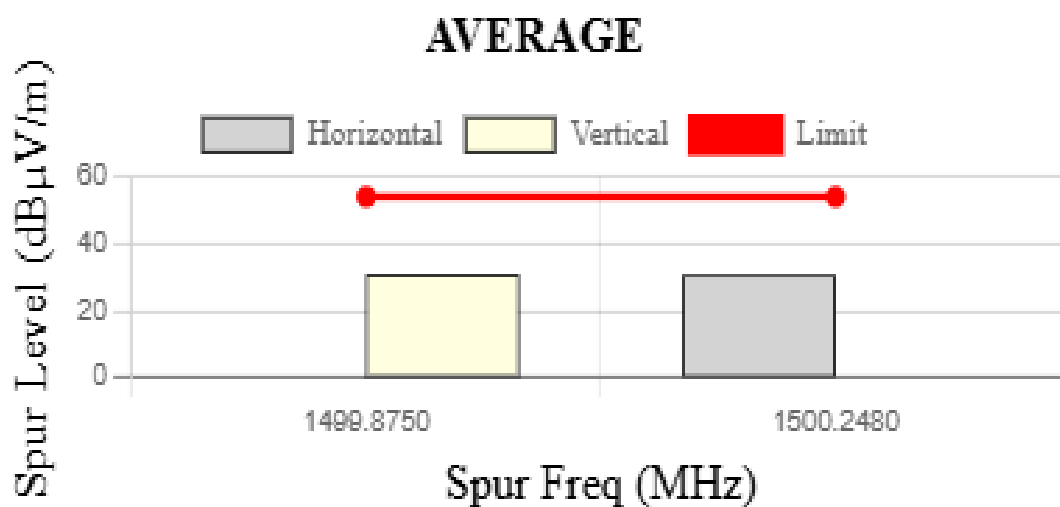
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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-00030

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 : BT - PI/4-DQPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2480.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	30.1795	31.27 *	106.22	86.22	54.95
Horizontal	Peak	30.8288	28.52 *	106.22	86.22	57.70
Horizontal	Quasi-Peak	74.5540	29.64	-	40.00	10.36
Vertical	Quasi-Peak	74.5770	30.25	-	40.00	9.75
Vertical	Peak	106.6710	30.01 *	106.22	86.22	56.21
Horizontal	Peak	106.6860	32.78 *	106.22	86.22	53.44
Horizontal	Peak	159.9283	30.89 *	106.22	86.22	55.34
Vertical	Peak	160.5447	27.34 *	106.22	86.22	58.88
Horizontal	Peak	226.8730	31.47 *	106.22	86.22	54.75
Vertical	Peak	226.9059	25.57 *	106.22	86.22	60.65
Vertical	Quasi-Peak	250.0030	18.40 *	-	46.00	27.60
Horizontal	Quasi-Peak	250.0210	29.85	-	46.00	16.15
Vertical	Peak	592.8020	31.34 *	106.22	86.22	54.88
Horizontal	Peak	592.8100	29.64 *	106.22	86.22	56.58
Horizontal	Peak	1558.8400	34.60 *	-	74.00	39.40
Horizontal	Average	1558.8400	20.95 *	-	54.00	33.05
Vertical	Peak	1559.5400	37.05 *	-	74.00	36.95
Vertical	Average	1559.5400	21.25 *	-	54.00	32.75

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

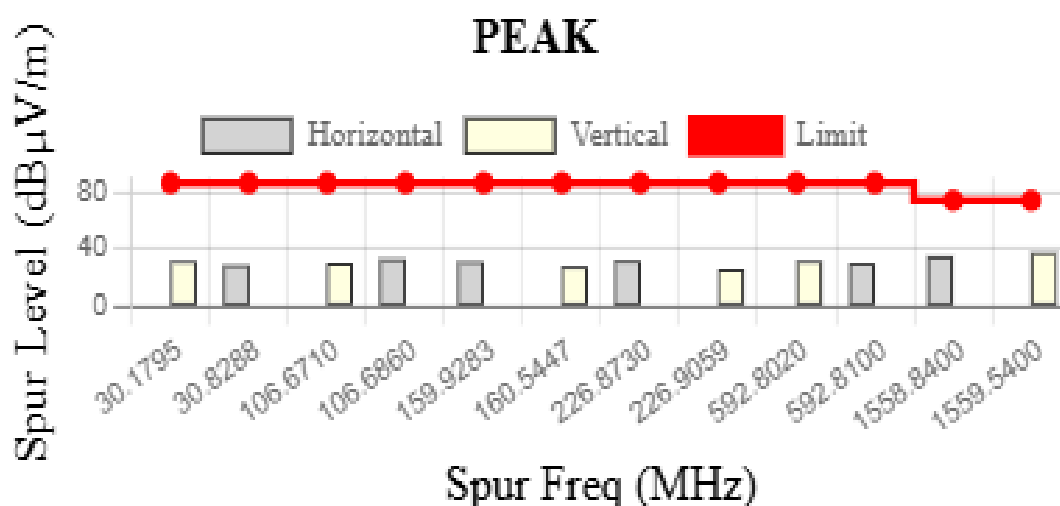
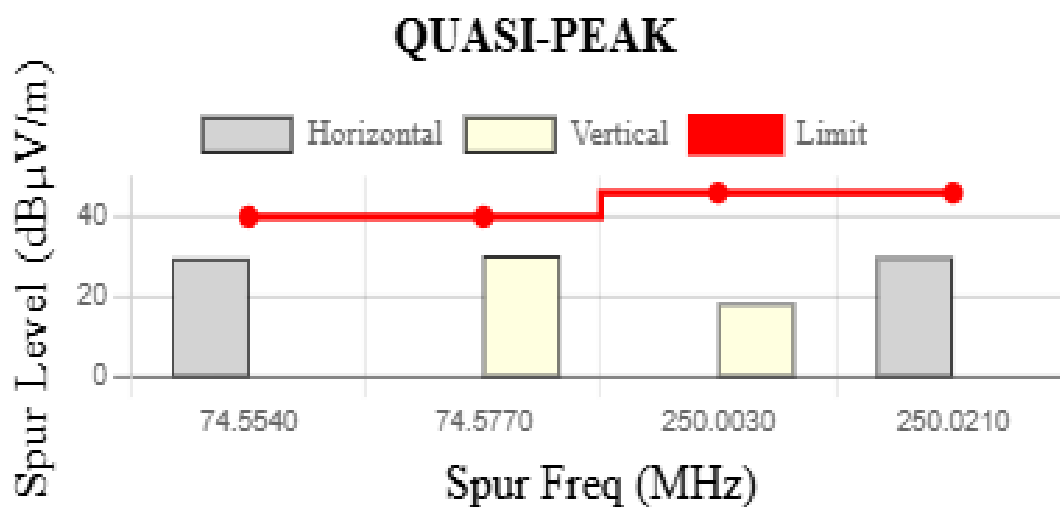
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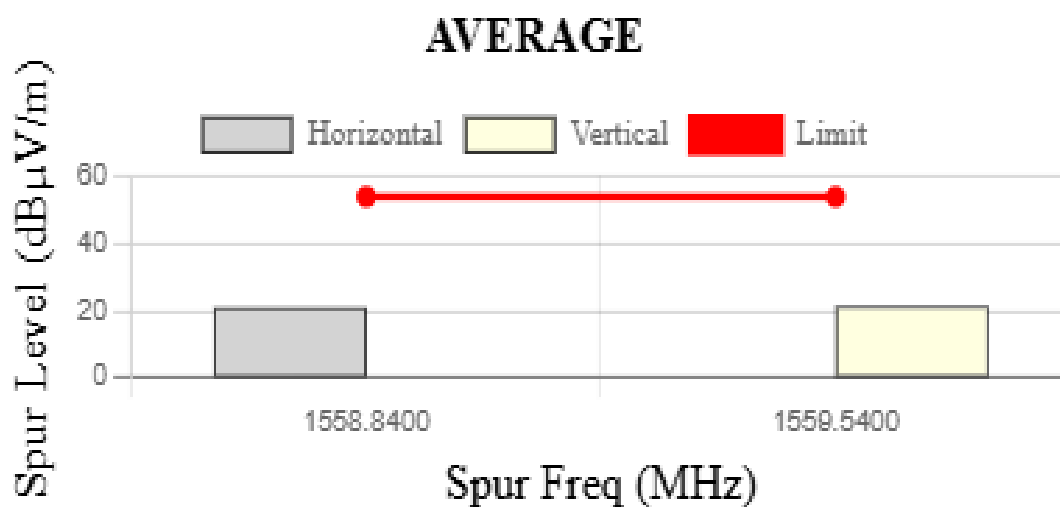
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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-00030

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 : BT - 8-DPSK Channel SP/Bandwidth 1000.0000 (kHz) :
 Test Frequency (MHz) : 2402.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	30.5111	29.03 *	106.22	86.22	57.19
Vertical	Peak	31.0096	30.10 *	106.22	86.22	56.12
Vertical	Peak	77.1940	32.90 *	106.22	86.22	53.32
Horizontal	Peak	77.2050	33.05 *	106.22	86.22	53.17
Vertical	Peak	106.6970	29.22 *	106.22	86.22	57.00
Horizontal	Peak	106.7040	33.00 *	106.22	86.22	53.22
Vertical	Peak	148.1140	31.57 *	106.22	86.22	54.65
Horizontal	Peak	148.1340	32.53 *	106.22	86.22	53.69
Vertical	Peak	226.8839	22.48 *	106.22	86.22	63.74
Horizontal	Peak	226.8969	31.65 *	106.22	86.22	54.57
Horizontal	Quasi-Peak	250.0010	29.87	-	46.00	16.13
Vertical	Quasi-Peak	250.0150	20.92 *	-	46.00	25.08
Horizontal	Peak	592.7780	30.22 *	106.22	86.22	56.00
Vertical	Peak	592.8000	31.60 *	106.22	86.22	54.62
Horizontal	Peak	4803.9630	44.88 *	-	74.00	29.12
Horizontal	Average	4803.9630	33.90 *	-	54.00	20.10
Vertical	Peak	4804.2210	48.02 *	-	74.00	25.98
Vertical	Average	4804.2210	40.59	-	54.00	13.41

Temperature (°C) : 23.7 Humidity (%) : 68.9
 Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
 System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

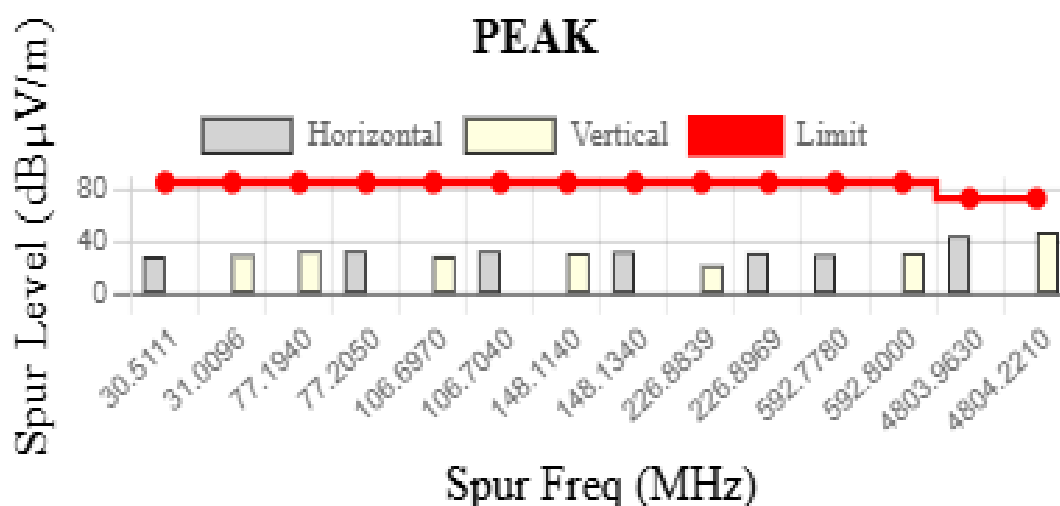
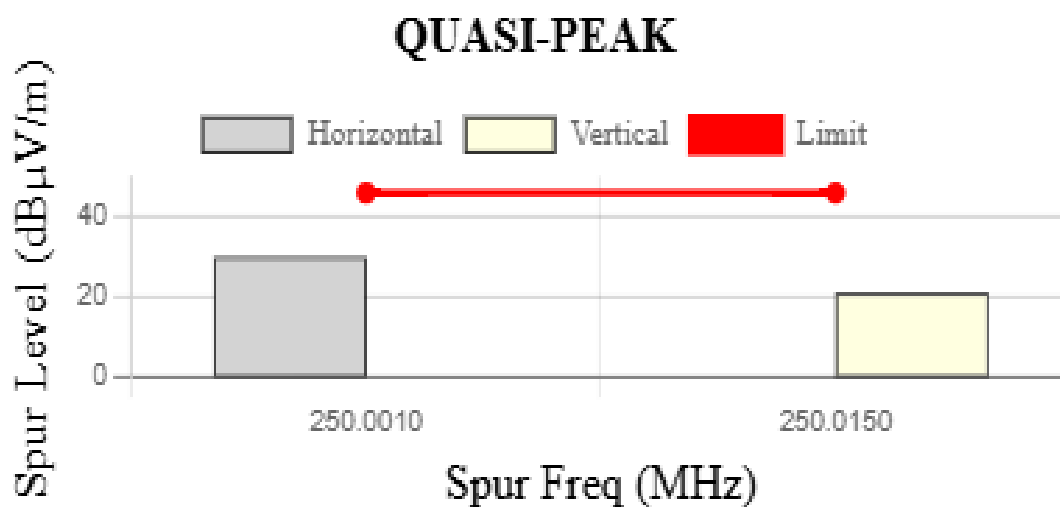
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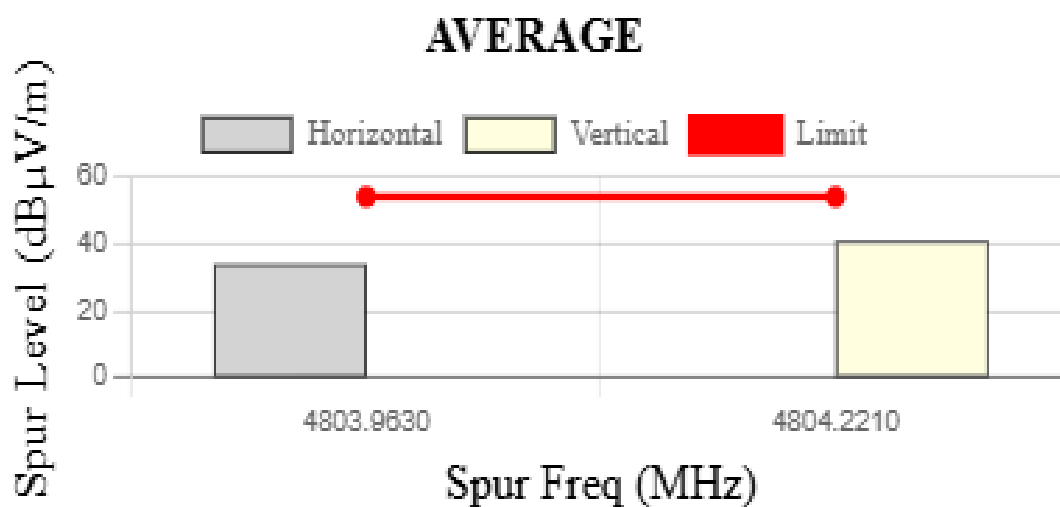
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*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-00030

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 : BT - 8-DPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2441.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	30.5731	30.45 *	106.22	86.22	55.77
Horizontal	Peak	30.6580	29.35 *	106.22	86.22	56.87
Horizontal	Peak	77.1820	33.22 *	106.22	86.22	53.00
Vertical	Peak	77.2090	32.75 *	106.22	86.22	53.47
Horizontal	Peak	106.6790	32.64 *	106.22	86.22	53.58
Vertical	Peak	106.7080	29.49 *	106.22	86.22	56.73
Horizontal	Peak	148.1090	31.31 *	106.22	86.22	54.92
Vertical	Peak	148.1300	32.05 *	106.22	86.22	54.17
Horizontal	Peak	226.9019	31.52 *	106.22	86.22	54.70
Vertical	Peak	226.9119	23.06 *	106.22	86.22	63.16
Horizontal	Quasi-Peak	249.9940	29.47	-	46.00	16.53
Vertical	Quasi-Peak	250.0130	20.49 *	-	46.00	25.51
Vertical	Peak	592.7680	31.34 *	106.22	86.22	54.89
Horizontal	Peak	592.7910	30.23 *	106.22	86.22	55.99
Vertical	Peak	4881.8100	47.53 *	-	74.00	26.47
Vertical	Average	4881.8100	37.06	-	54.00	16.94
Horizontal	Peak	4882.4090	46.20 *	-	74.00	27.80
Horizontal	Average	4882.4090	35.38	-	54.00	18.62

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

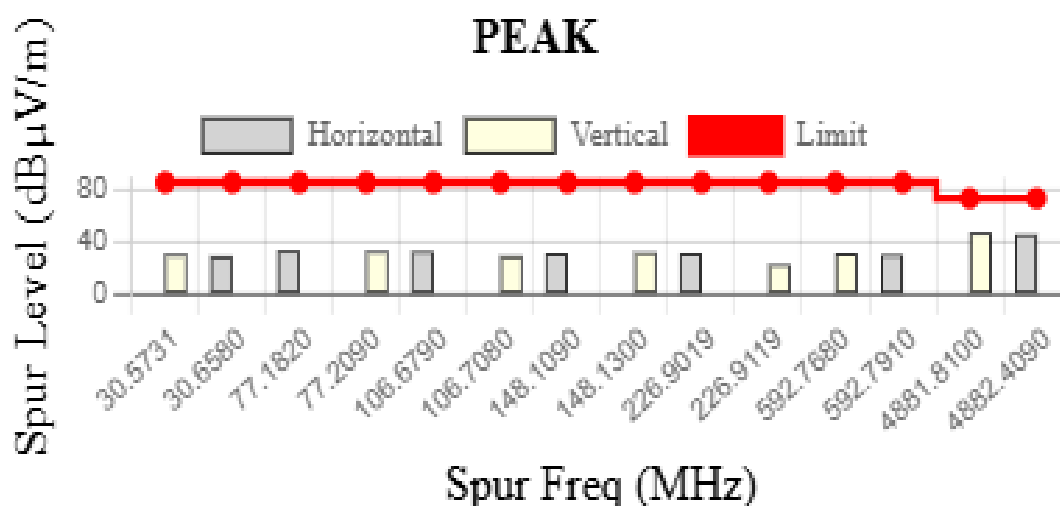
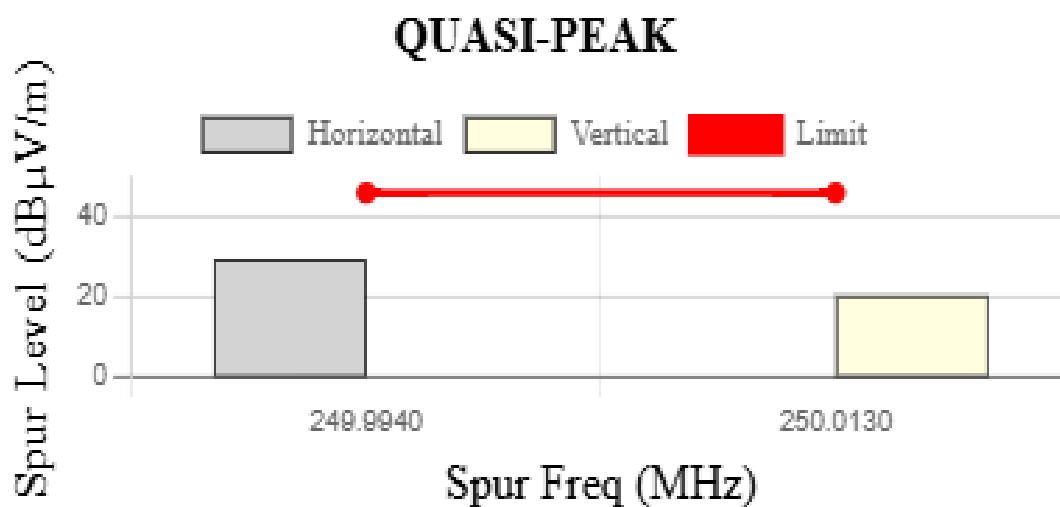
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

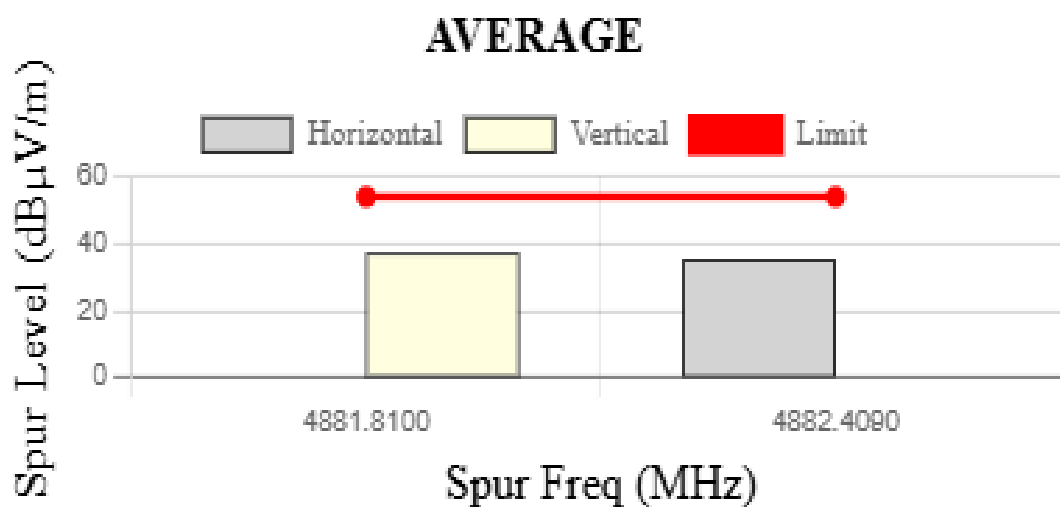
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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-00030

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 : BT - 8-DPSK Channel SP/Bandwidth 1000.0000 (kHz) :
Test Frequency (MHz) : 2480.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	30.4392	29.31 *	106.22	86.22	56.91
Vertical	Peak	30.5341	30.79 *	106.22	86.22	55.43
Vertical	Quasi-Peak	74.5660	31.54	-	40.00	8.46
Horizontal	Quasi-Peak	74.5860	29.98	-	40.00	10.02
Vertical	Peak	106.7030	29.13 *	106.22	86.22	57.09
Horizontal	Peak	106.7070	32.98 *	106.22	86.22	53.24
Horizontal	Peak	148.1140	31.99 *	106.22	86.22	54.23
Vertical	Peak	148.1160	31.70 *	106.22	86.22	54.53
Vertical	Peak	226.8949	22.38 *	106.22	86.22	63.85
Horizontal	Peak	226.9129	31.77 *	106.22	86.22	54.45
Horizontal	Quasi-Peak	250.0010	30.06	-	46.00	15.94
Vertical	Quasi-Peak	250.0210	19.04 *	-	46.00	26.96
Horizontal	Peak	592.7890	30.48 *	106.22	86.22	55.74
Vertical	Peak	592.7940	30.49 *	106.22	86.22	55.73
Vertical	Peak	1500.0950	37.74 *	-	74.00	36.26
Vertical	Average	1500.0950	30.43 *	-	54.00	23.57
Horizontal	Peak	1500.3440	39.47 *	-	74.00	34.53
Horizontal	Average	1500.3440	31.52 *	-	54.00	22.48

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Mon, 18 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

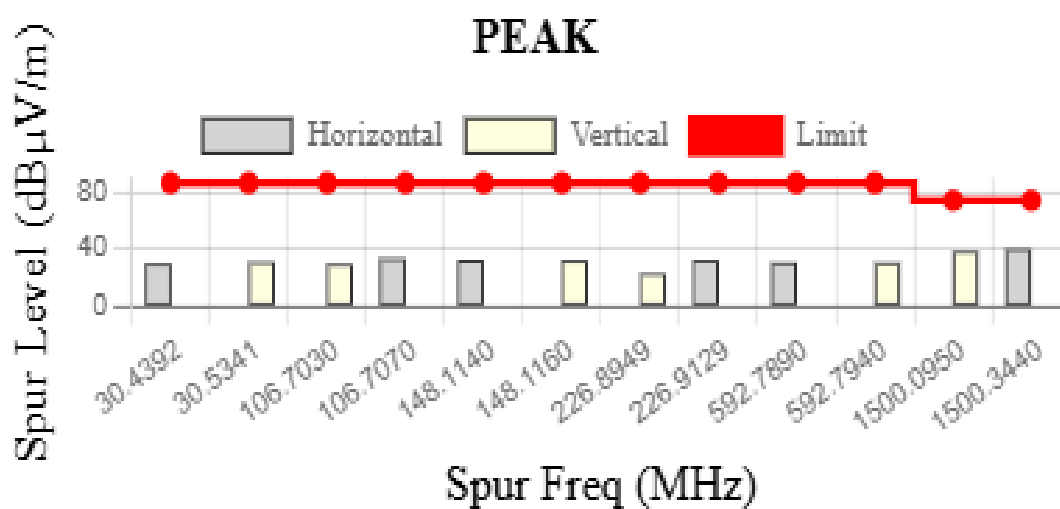
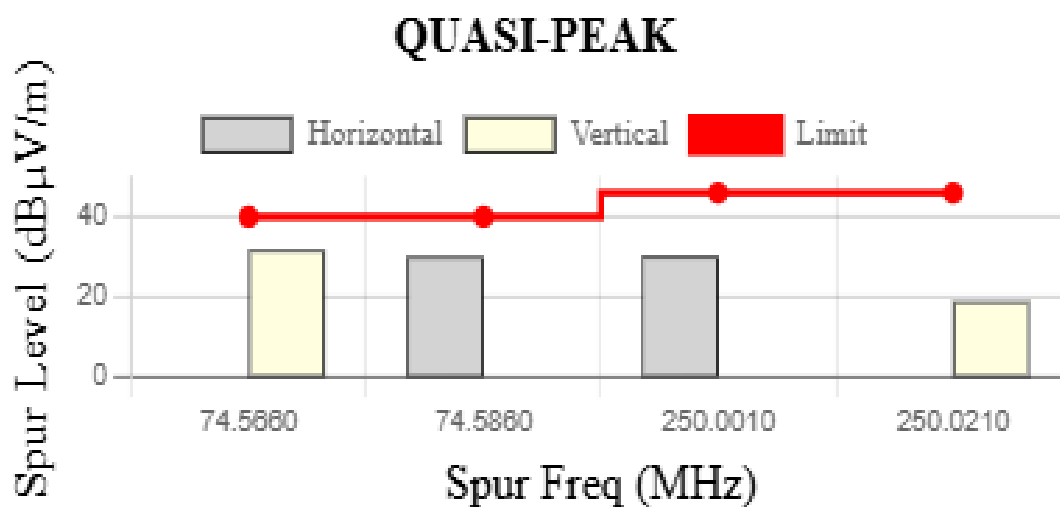
Remarks:

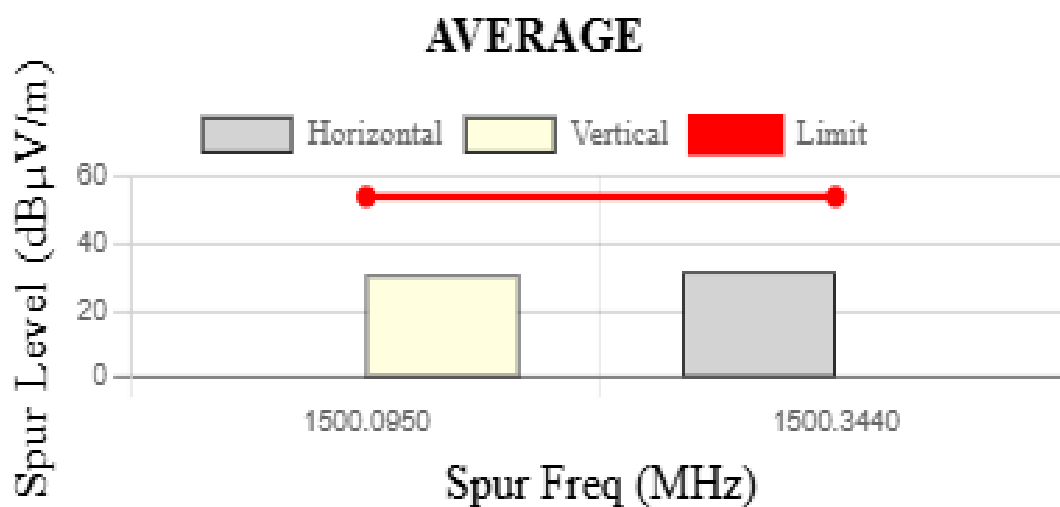
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

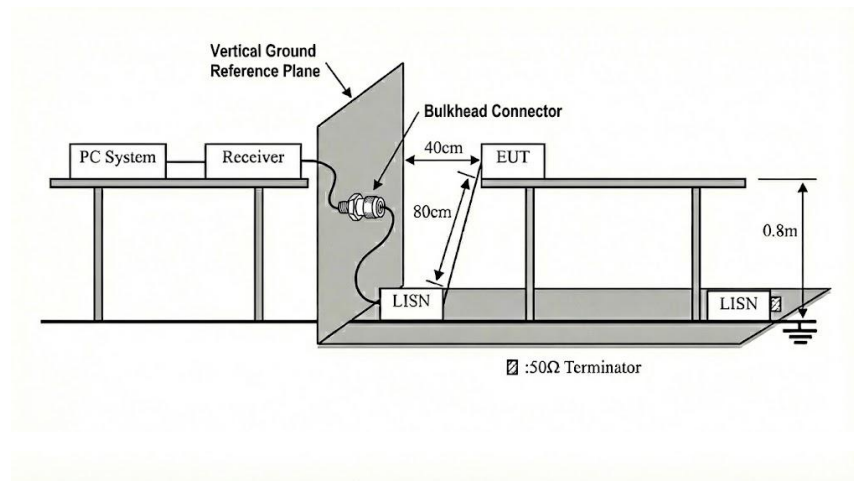
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.





6.9.AC Powerline Conducted Emission

6.9.1. Test Setup



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

6.9.2. 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

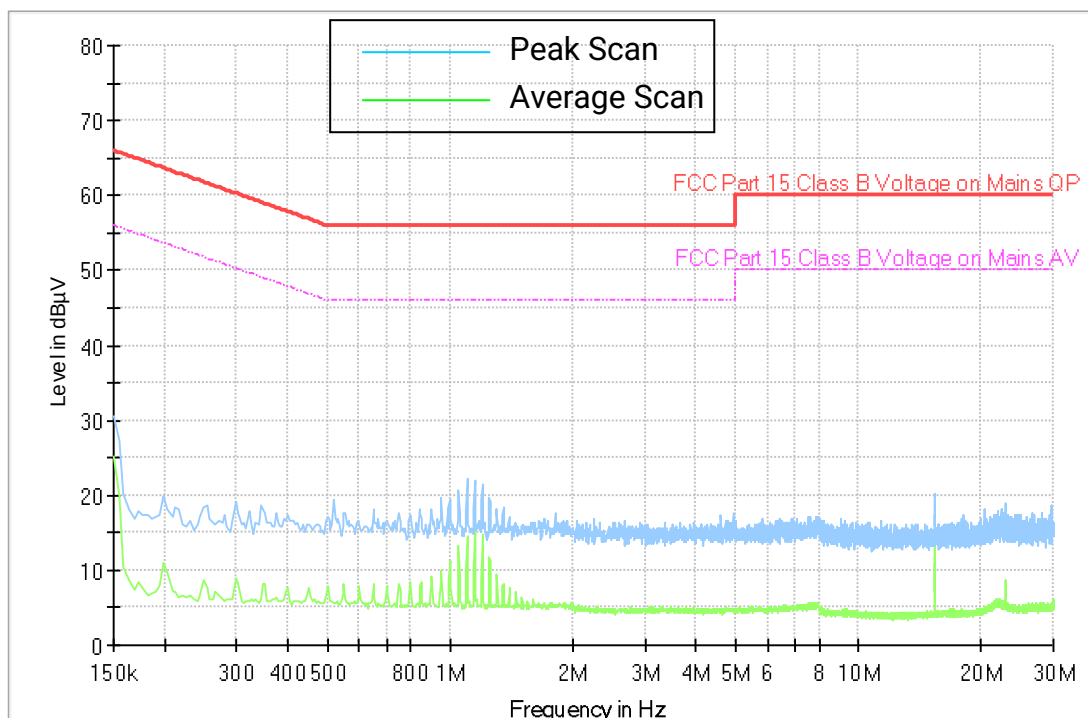
6.9.3. Test Result

Report ID:	1470N00-EMC-00030
Temperature:	19.3 °C
Humidity:	56.7 %RH
Tester:	Helmy
Date of Test:	4 June 2026

120 VAC, 60Hz

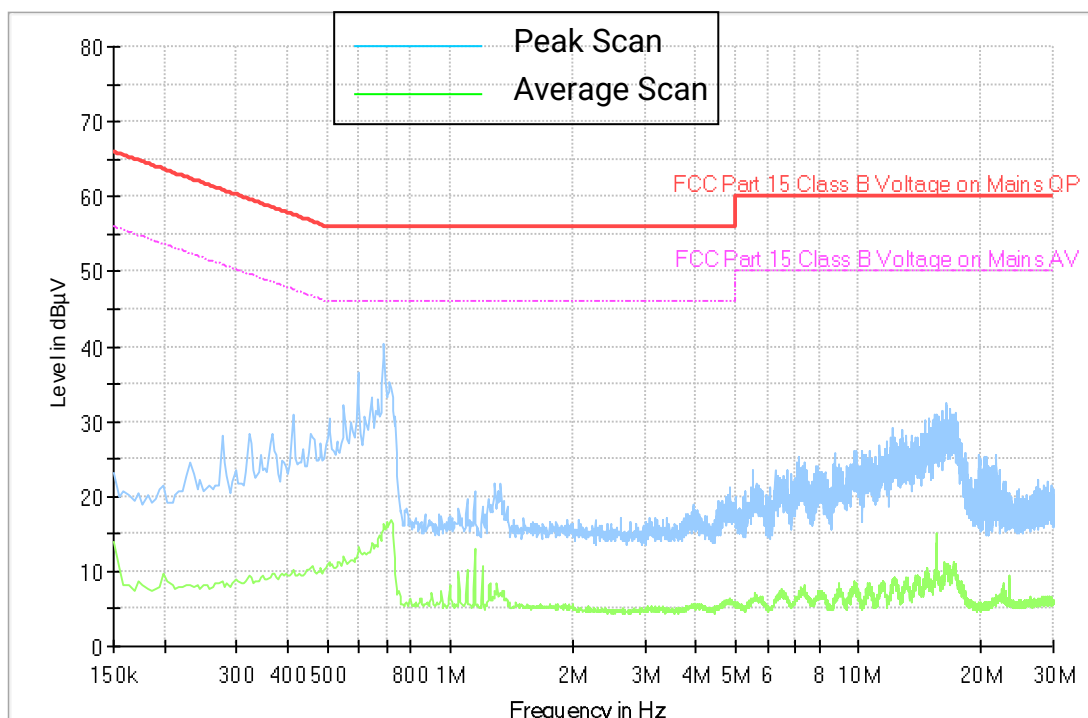
1) Ambient

Full Spectrum

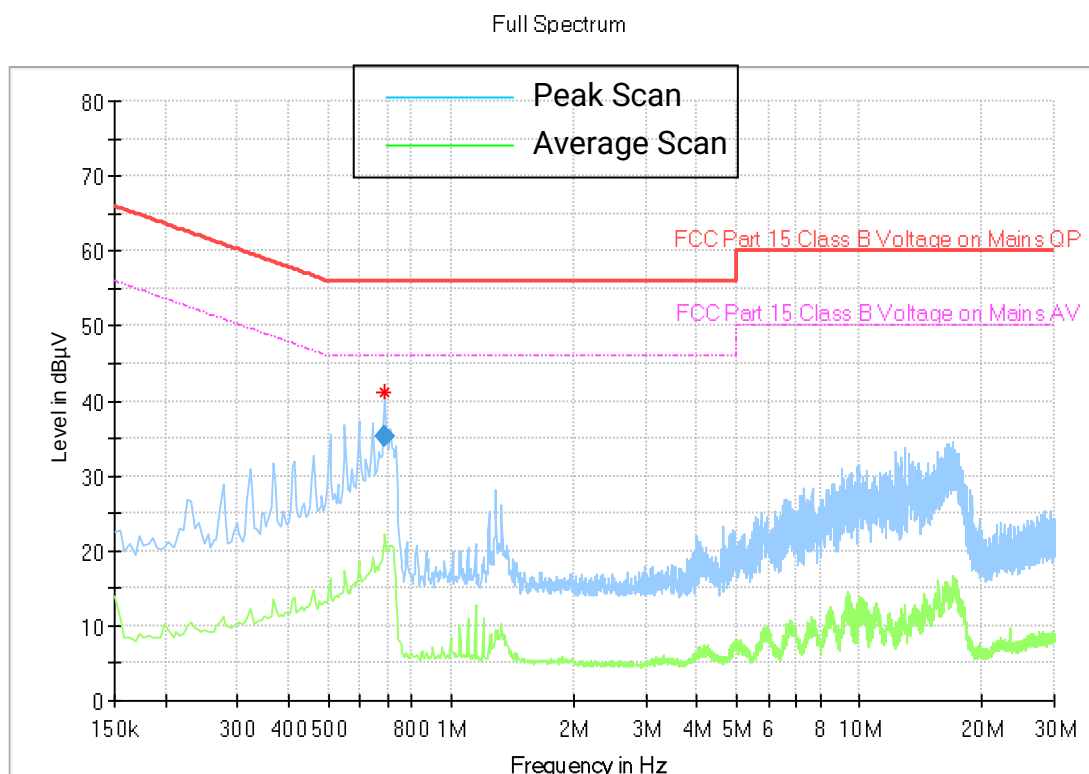


2) PSU Alone

Full Spectrum



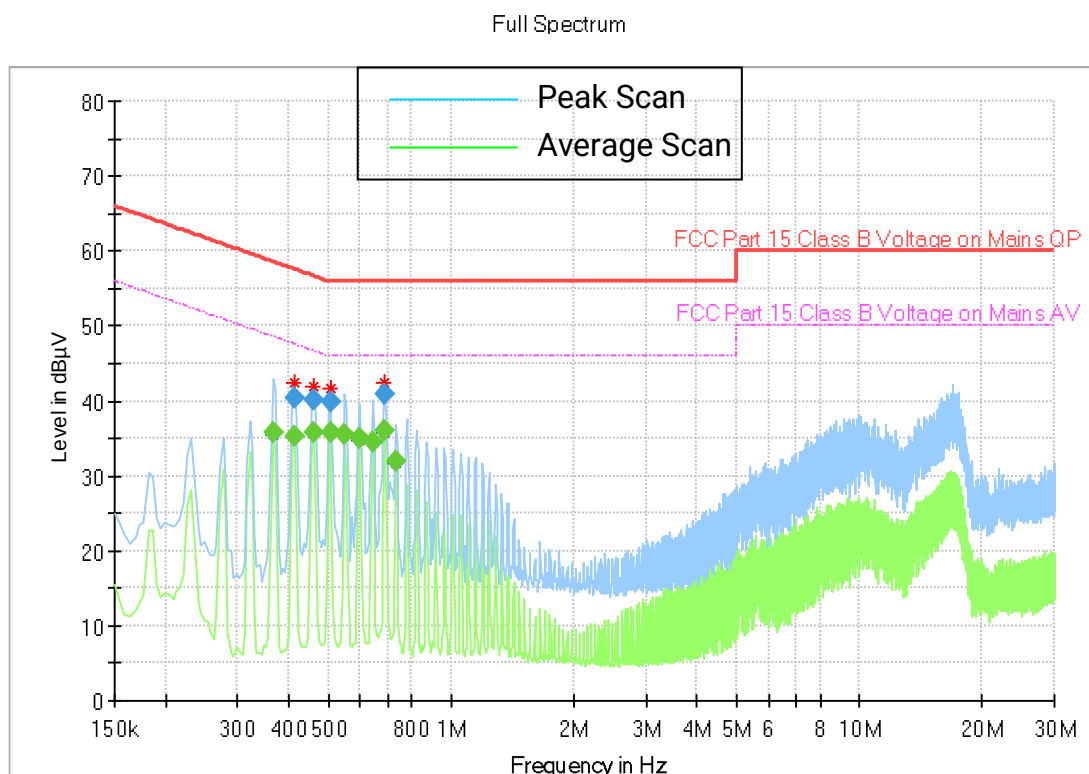
3) PSU + Radio Off



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.690000	35.19	---	56.00	20.81	L1	ON	9.9

4) PSU + Radio Standby

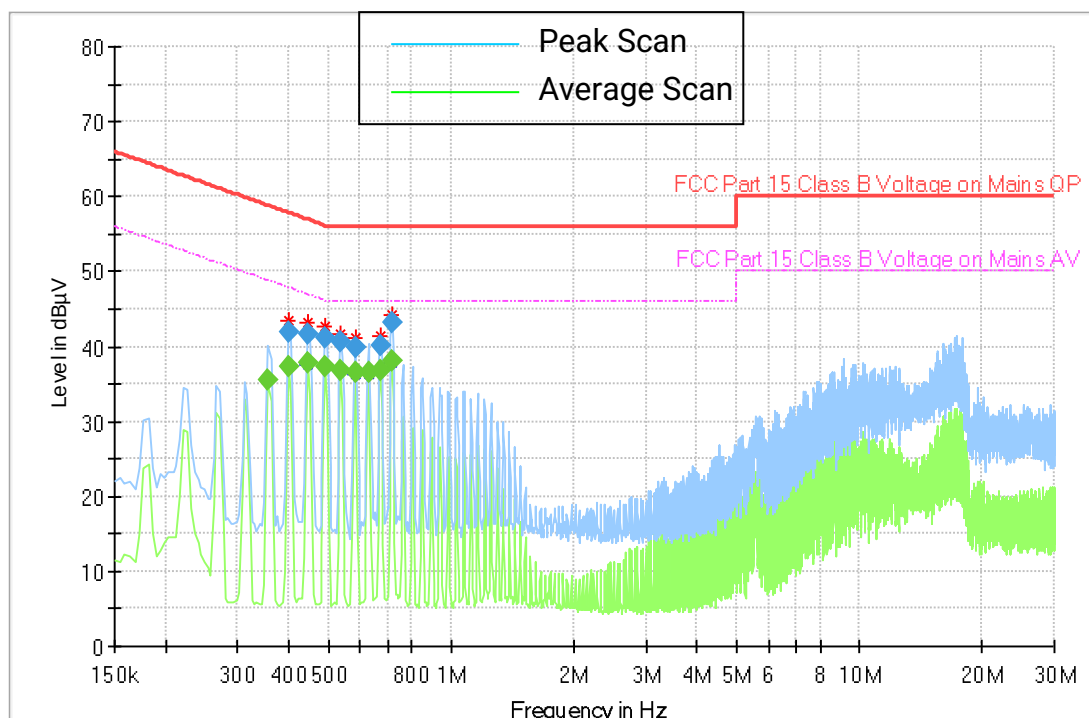


QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.366000	---	35.76	48.59	12.83	N	ON	10.0
0.415500	---	35.23	47.54	12.31	N	ON	10.0
0.415500	40.28	---	57.54	17.26	N	ON	10.0
0.460500	40.23	---	56.68	16.45	L1	ON	10.0
0.460500	---	35.89	46.68	10.79	N	ON	10.0
0.505500	39.99	---	56.00	16.01	N	ON	10.0
0.505500	---	35.87	46.00	10.13	N	ON	10.0
0.550500	---	35.55	46.00	10.45	N	ON	10.0
0.595500	---	34.90	46.00	11.10	L1	ON	10.0
0.640500	---	34.54	46.00	11.46	L1	ON	10.0
0.690000	---	35.93	46.00	10.07	N	ON	9.9
0.690000	40.94	---	56.00	15.06	L1	ON	9.9
0.735000	---	31.89	46.00	14.11	N	ON	9.9

5) PSU + Radio (Bluetooth EDR Transmit, CH: 2402MHz, Mod: 8DPSK)

Full Spectrum



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.357000	---	35.54	48.80	13.26	L1	ON	10.0
0.402000	42.04	---	57.81	15.77	L1	ON	10.0
0.402000	---	37.43	47.81	10.38	L1	ON	10.0
0.447000	41.72	---	56.93	15.21	L1	ON	10.0
0.447000	---	37.76	46.93	9.17	L1	ON	10.0
0.492000	41.26	---	56.13	14.87	L1	ON	10.0
0.492000	---	37.38	46.13	8.75	L1	ON	10.0
0.537000	40.62	---	56.00	15.38	L1	ON	10.0
0.537000	---	36.86	46.00	9.14	L1	ON	10.0
0.582000	39.89	---	56.00	16.11	N	ON	10.0
0.582000	---	36.48	46.00	9.52	L1	ON	10.0
0.627000	---	36.43	46.00	9.57	L1	ON	10.0
0.672000	---	36.81	46.00	9.19	N	ON	9.9
0.672000	40.03	---	56.00	15.97	L1	ON	9.9
0.717000	---	37.97	46.00	8.03	L1	ON	9.9
0.717000	43.29	---	56.00	12.71	L1	ON	9.9

END OF TEST REPORT