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<table><tr><td>Date/s Tested</td><td>: 01-May-2026 - 15-May-2026</td></tr><tr><td>Report Issue Date</td><td>: 13-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 SWD, 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>Requestor</td><td>: CHUAH YIH JIAN</td></tr><tr><td>Product Type</td><td>: Mobile / Vehicle Mount</td></tr><tr><td>Product Marketing Name (PMN)</td><td>: MR7r</td></tr><tr><td>Hardware Version Identification Number (HVIN)</td><td>: AAM29QPN9YA1AN</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 SWD 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>FCC Registrations</td><td>: 461337</td></tr><tr><td>CAB ID</td><td>: MY0001</td></tr><tr><td>Firmware Version Identification Number (FVIN)</td><td>: D02.26.02.0175</td></tr></table> The equipment was tested accordance to the requirement listed below: <table><tr><td>(2.4GHz BT) FCC 47CFR Part 15C ISED RSS 247 Issue 4</td><td>PASS</td></tr></table>		Date/s Tested	: 01-May-2026 - 15-May-2026	Report Issue Date	: 13-June-2026	Test Location	: MOTOROLA PENANG ADV. COMM. LABORATORY	Manufacturer/Location	: Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia	Requestor	: CHUAH YIH JIAN	Product Type	: Mobile / Vehicle Mount	Product Marketing Name (PMN)	: MR7r	Hardware Version Identification Number (HVIN)	: AAM29QPN9YA1AN	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 SWD 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:  NUR ALIEYA BINTI MAT YUSOFF 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	13-June-2026	Nur Alieya

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
LTD DESKTOP MOBILE MIC	MOTOROLA	RMN5050A-C4
DESKTOP TRAY WITH SPEAKER	MOTOROLA	RSN4005A-CF1
POWER SUPPLY ADAPTOR, EXT 280W POWER SUPPLY, 100-240VAC, SAE	MOTOROLA	PS000280A02-CF1
GENESEE COLOR DISPLAY CONTROL HEAD	MOTOROLA	PMLN8805A
MOTOTRBO REAR ACCESSORY CONNECTOR KIT	MOTOROLA	PMLN5072A
POWER CORD, US	MOTOROLA	3087791G01

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: 10.987dBm (12.551mW)	008TCF1821	Hidayati
15.247 (a)(1)	RSS-247 5.1(a) RSS-247 5.1(b)	(1) 20dB Channel Bandwidth (2) Channel Separation	Pass	GFSK – 868KF1D Pi/4 DQPSK – 1M18G1D 8DPSK - 1M18G1D	008TCF1821	Hidayati
15.247(a)(1)(iii)	RSS-247 5.1(d)	Number of hopping Frequency used	Pass	Meet the limit requirement.	008TCF1821	Hidayati
15.247(a)(1)(iii)	RSS-247 5.1(d)	Dwell time on each channel	Pass	Meet the limit requirement.	008TCF1821	Hidayati
15.247 (d)	RSS-247 5.5	Band Edge Conducted Spurious Emission	Pass	Worst case emission: -44.37dB	008TCF1821	Hidayati
15.247 (d)	RSS-247 5.5	Conducted Spurious Emission	Pass	Worst case emission: -45.206dBm	008TCF1821	Hidayati
15.205, 15.209, 15.247 (d)	RSS-247 5.5	Radiated Emission within Restricted Bands	Pass	Worst case emission: RBE: 42.50dBuV/m (Margin: 11.50dB) RSE: 44.70dBuV/m (Margin: 9.30dB)	008TCF1848	Nazrin & Fuad
15.207	RSS-Gen 8.8	AC Powerline Conducted Emission	Pass	Meet the limit requirement.	008TCF1848	Helmy
15.203	-	Antenna Requirement	NA	Internal antenna is not accessible to the end-user	NA	NA

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 # 3 (SW Version: Ate Main_v3.2.2)

Description	Model	Serial Number	Calibration Date	Calibration Due Date
POWER SUPPLY	6652A	3541A02371	30-Sep-25	03-Sep-26
SPECTRUM ANALYZER	E4440A	MY46186938	13-Nov-25	13-Nov-26
CHAMBER	SH-641	92003820	09-Jul-25	09-Jul-26

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

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

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

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

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

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	23.7°C, 68.9%RH

Radiated Emission Test (Below 1GHz)

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

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

EUT Configure Mode	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.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Environmental Conditions
Application Mode	0 to 78	AUTO	FHSS	AUTO	20.1°C, 57.2%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).

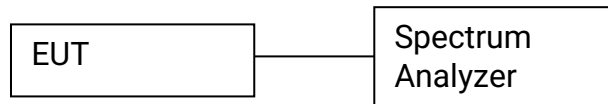
☒ Following channel(s) was (were) selected for the final test as listed below.

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.

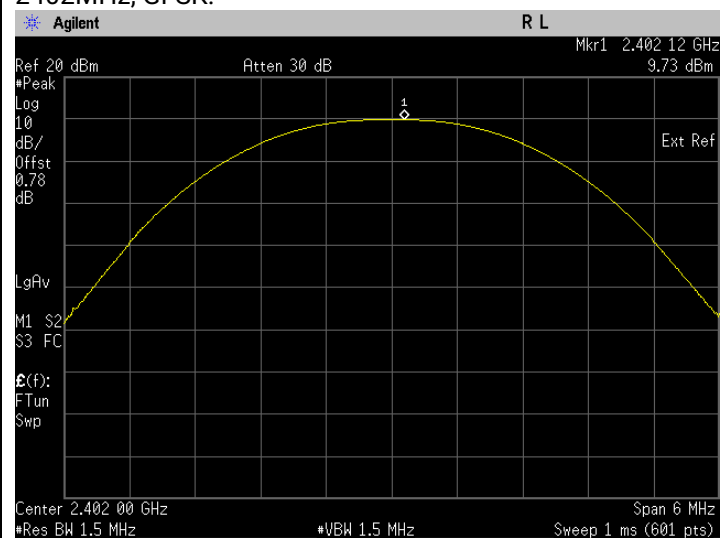
6.1.2. Test Limits:

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

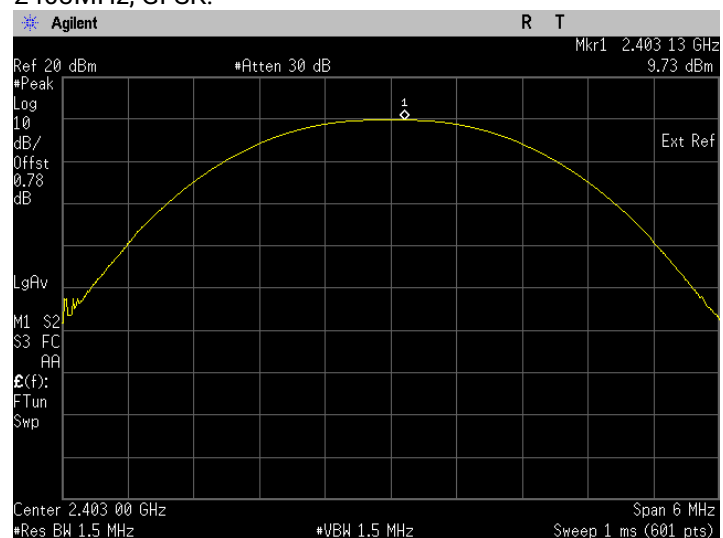
6.1.3. Test Data:

Test Conditions			Results	
Modulation	Voltage(V)	Test Frequency (GHz)	dBm	Status
GFSK	13.60	2.4020	9.734	Pass
		2.4030	9.730	Pass
		2.4410	9.471	Pass
		2.4790	9.210	Pass
		2.4800	9.204	Pass
Pi/4 DQPSK	13.60	2.4020	10.726	Pass
		2.4030	10.720	Pass
		2.4410	10.459	Pass
		2.4790	10.180	Pass
		2.4800	10.171	Pass
8DPSK	13.60	2.4020	10.987	Pass
		2.4030	10.970	Pass
		2.4410	10.715	Pass
		2.4790	10.450	Pass
		2.4800	10.448	Pass

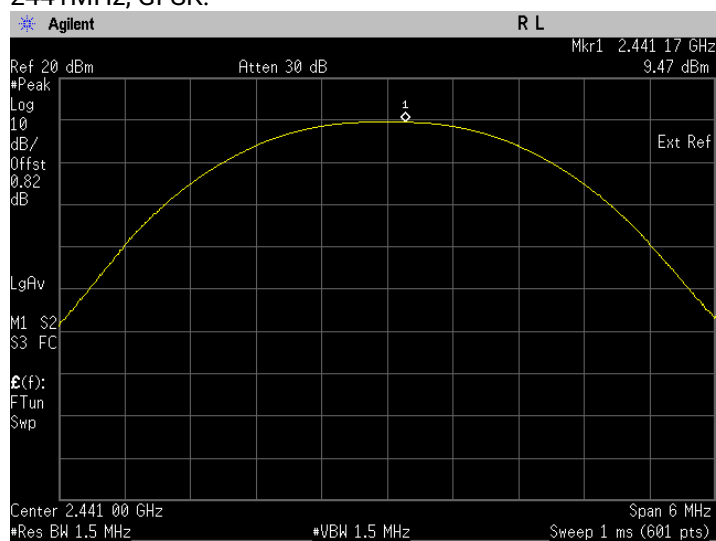
The Conducted RF Output Power test with result at 2402MHz, GFSK.



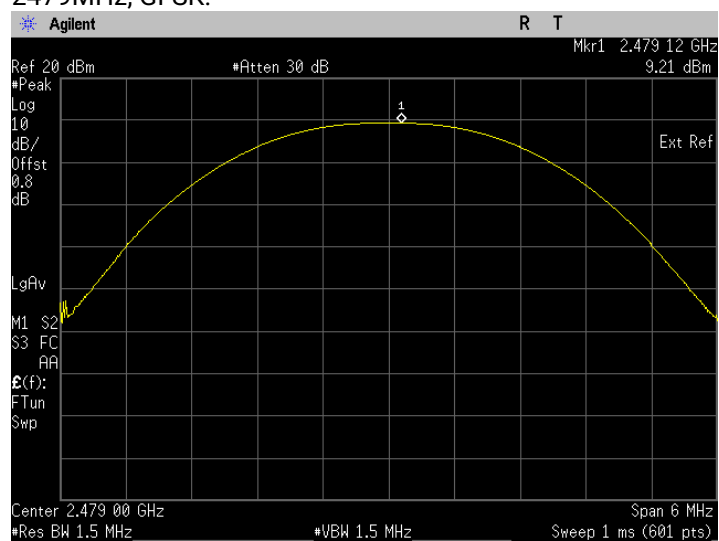
The Conducted RF Output Power test with result at 2403MHz, GFSK.



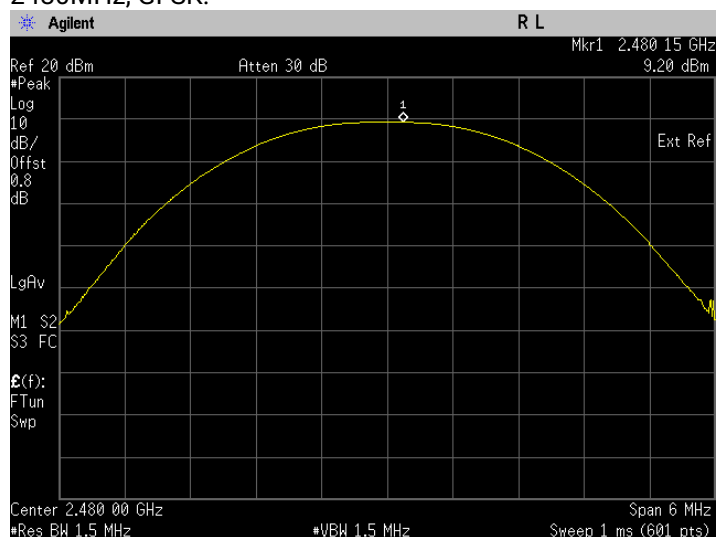
The Conducted RF Output Power test with result at 2441MHz, GFSK.



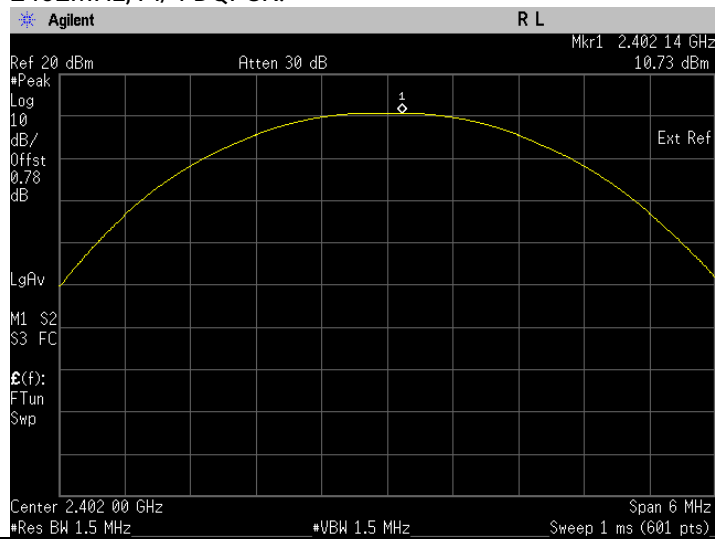
The Conducted RF Output Power test with result at 2479MHz, GFSK.



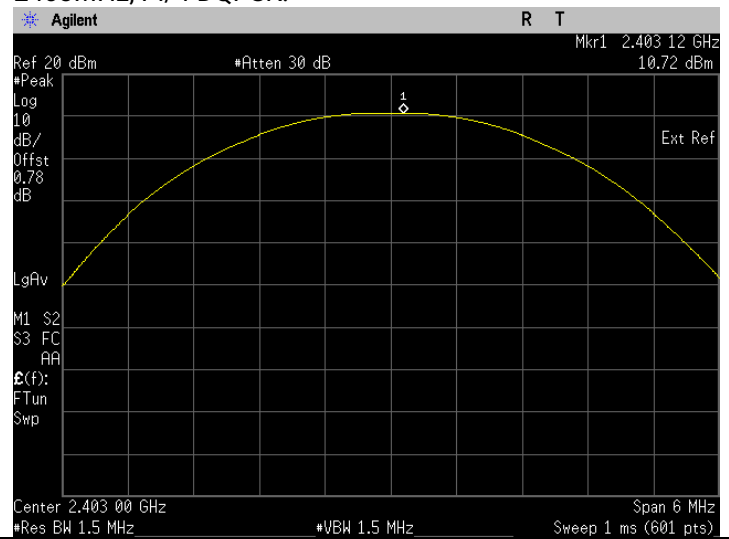
The Conducted RF Output Power test with result at 2480MHz, GFSK.



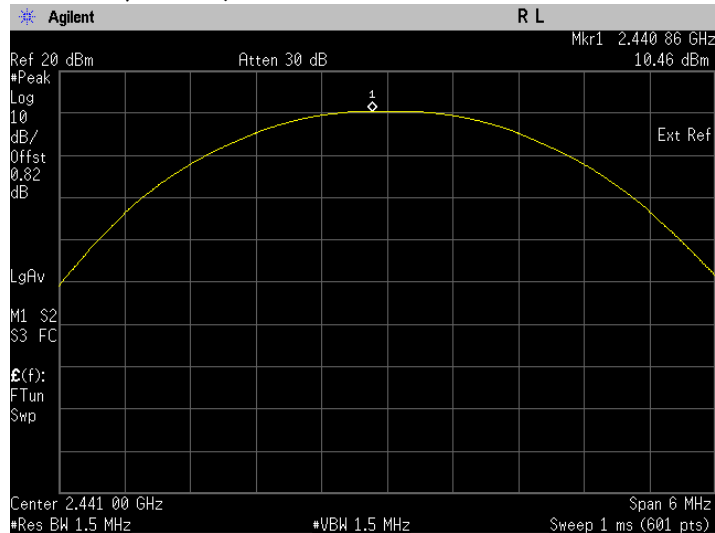
The Conducted RF Output Power test with result at 2402MHz, Pi/4 DQPSK.



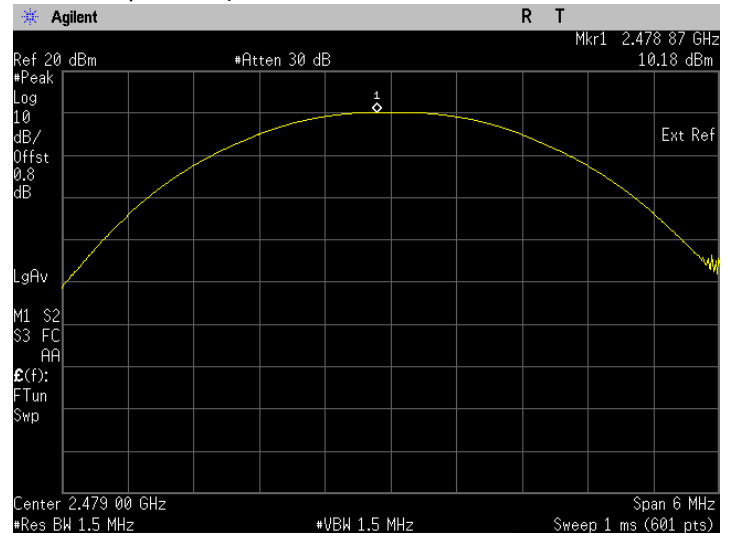
The Conducted RF Output Power test with result at 2403MHz, Pi/4 DQPSK.



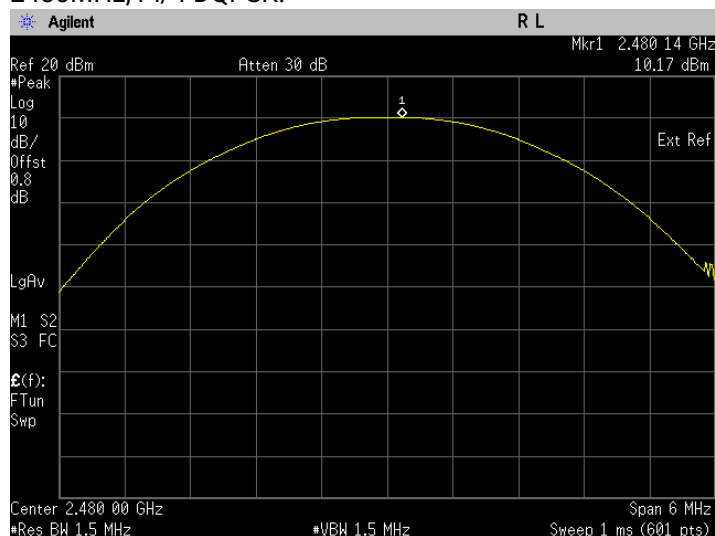
The Conducted RF Output Power test with result at 2441MHz, Pi/4 DQPSK.



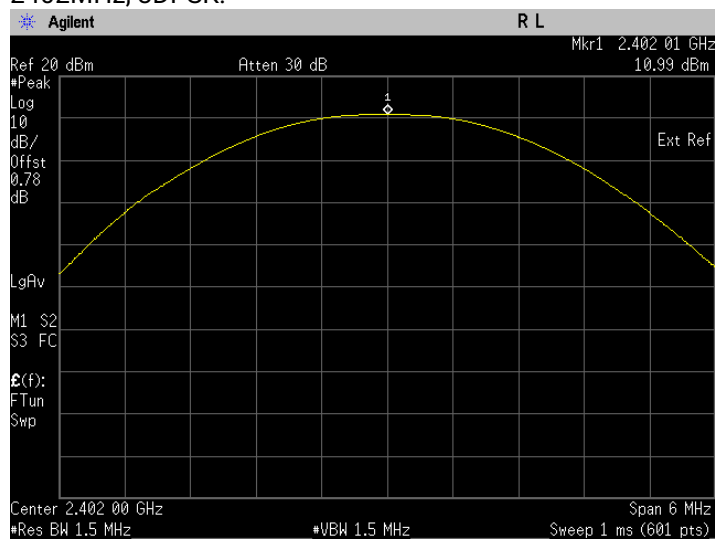
The Conducted RF Output Power test with result at 2479MHz, Pi/4 DQPSK.



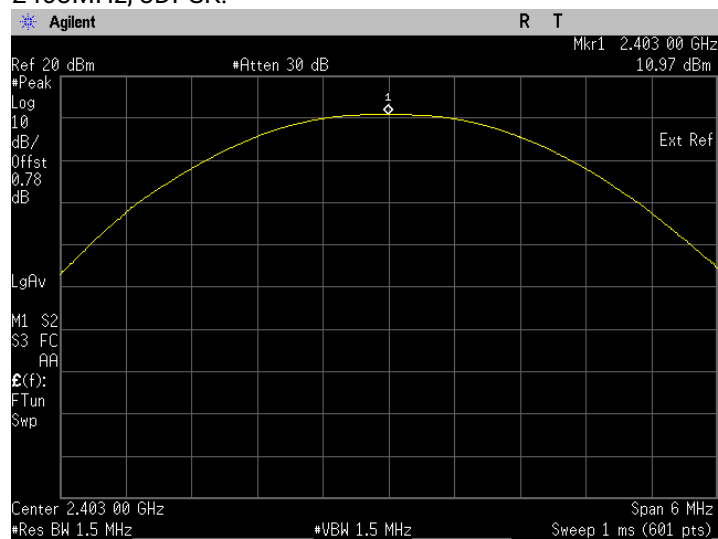
The Conducted RF Output Power test with result at 2480MHz, Pi/4 DQPSK.



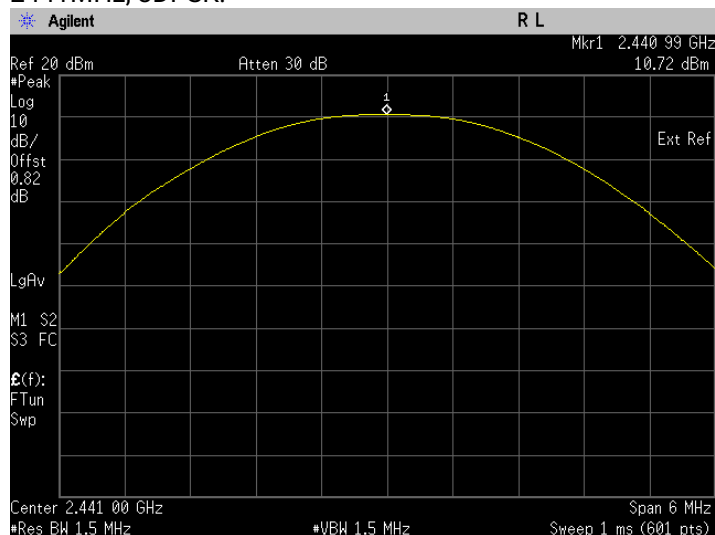
The Conducted RF Output Power test with result at 2402MHz, 8DPSK.



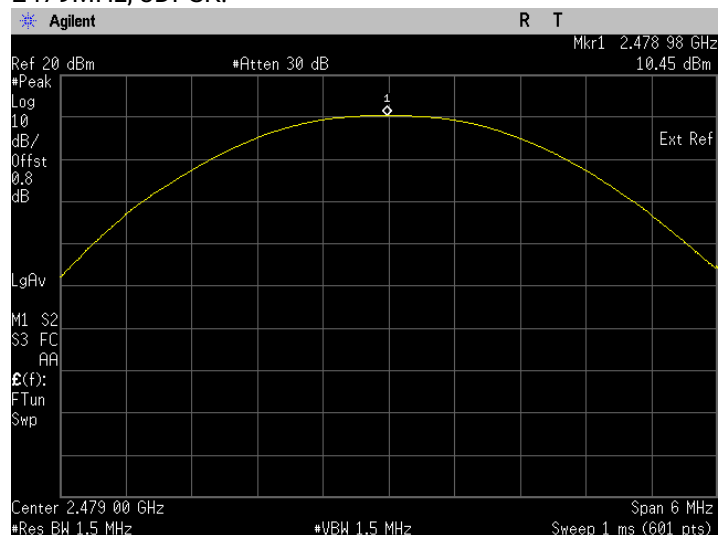
The Conducted RF Output Power test with result at 2403MHz, 8DPSK.



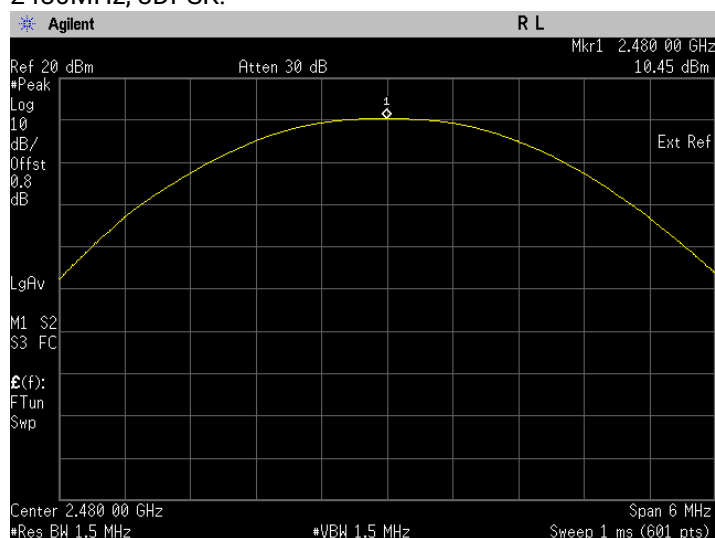
The Conducted RF Output Power test with result at 2441MHz, 8DPSK.



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

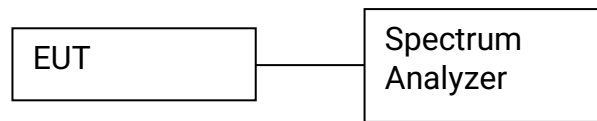


The Conducted RF Output Power test with result at 2480MHz, 8DPSK.



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.

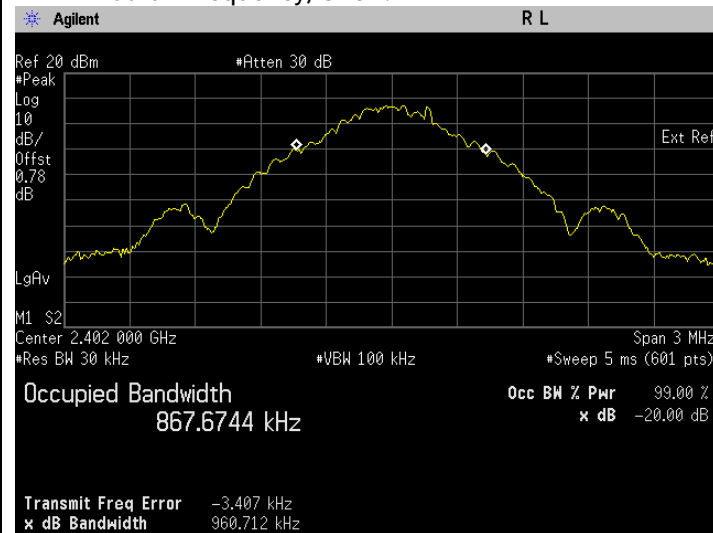
6.2.2. Test Limits:

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.

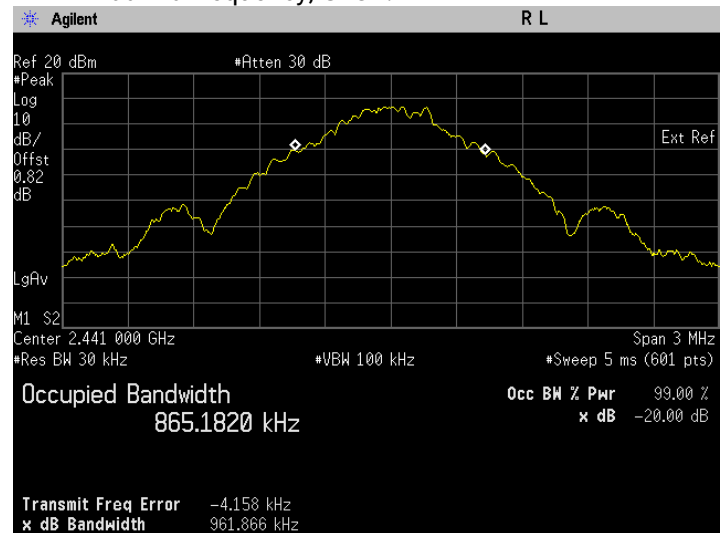
6.2.3. Test Data:

Test Conditions		Test Frequency	Results		
Modulation Type	Voltage(V)	TX (GHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Status
GFSK	13.60	2.4020	0.961	0.868	Pass
		2.4410	0.962	0.865	Pass
		2.4800	0.961	0.862	Pass
Pi/4 DQPSK	13.60	2.4020	1.337	1.179	Pass
		2.4410	1.335	1.179	Pass
		2.4800	1.335	1.178	Pass
8DPSK	13.60	2.4020	1.319	1.184	Pass
		2.4410	1.307	1.182	Pass
		2.4800	1.307	1.182	Pass

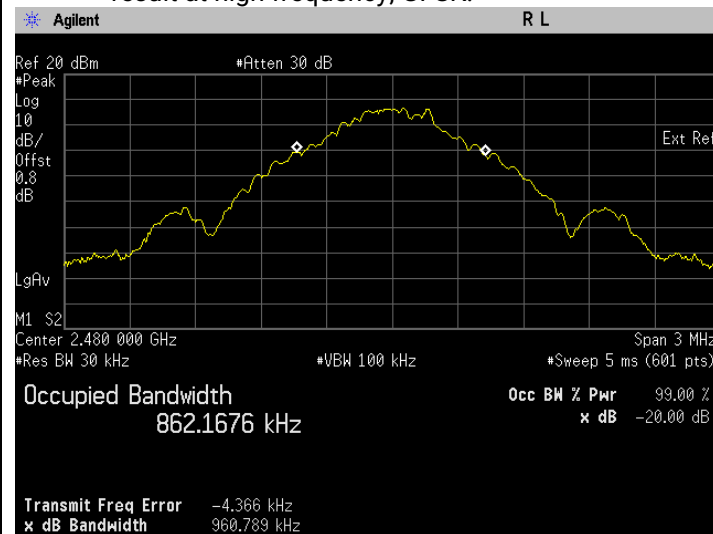
i. The 20 dB BW & occupied bandwidth test with result at low frequency, GFSK.



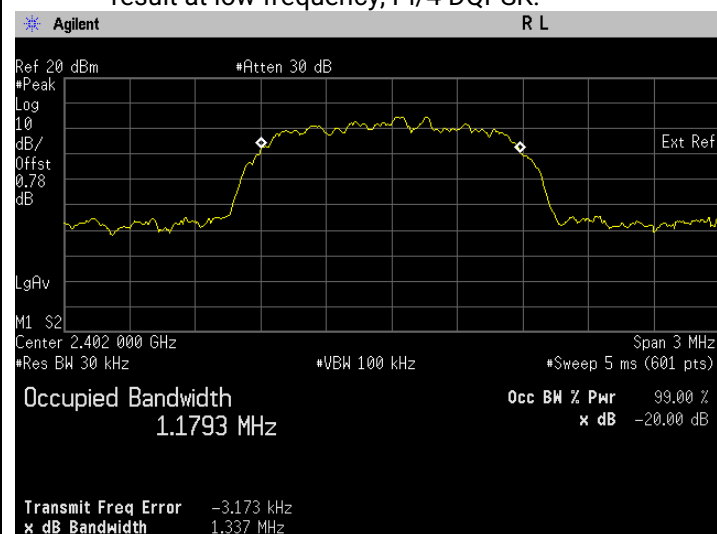
ii. The 20 dB BW & occupied bandwidth test with result at mid frequency, GFSK.



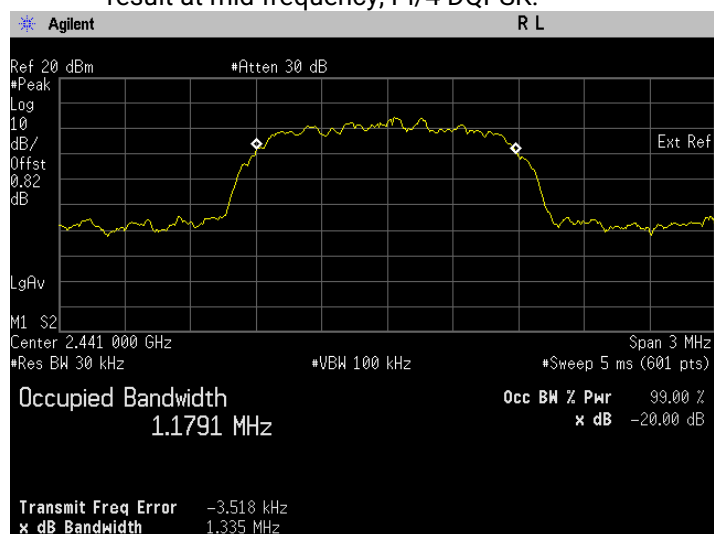
iii. The 20 dB BW & occupied bandwidth test with result at high frequency, GFSK.



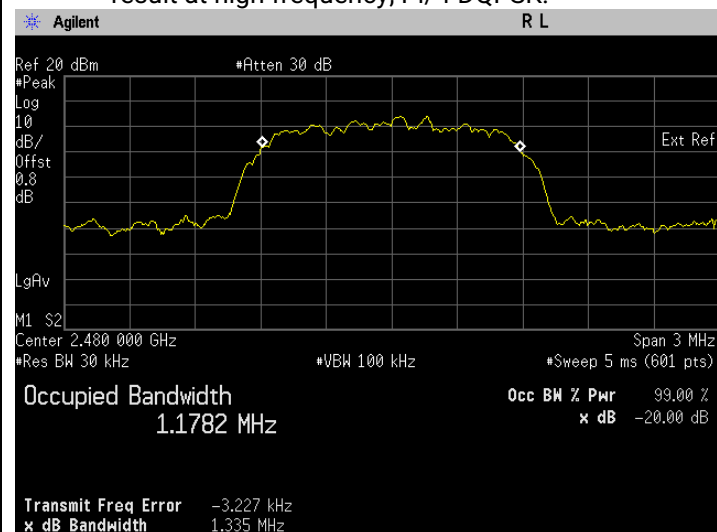
i. The 20 dB BW & occupied bandwidth test with result at low frequency, Pi/4 DQPSK.



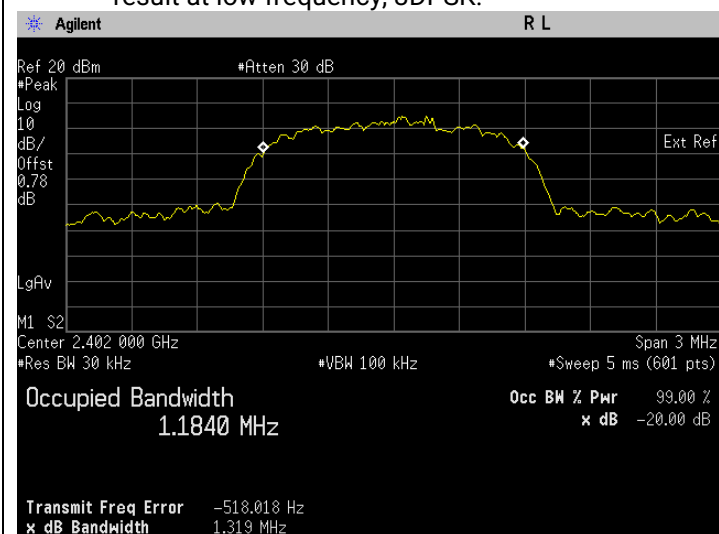
ii. The 20 dB BW & occupied bandwidth test with result at mid frequency, Pi/4 DQPSK.



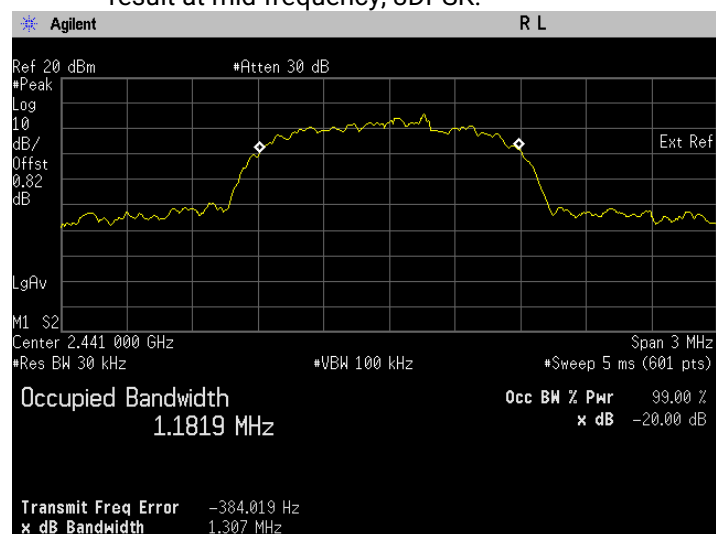
iii. The 20 dB BW & occupied bandwidth test with result at high frequency, Pi/4 DQPSK.



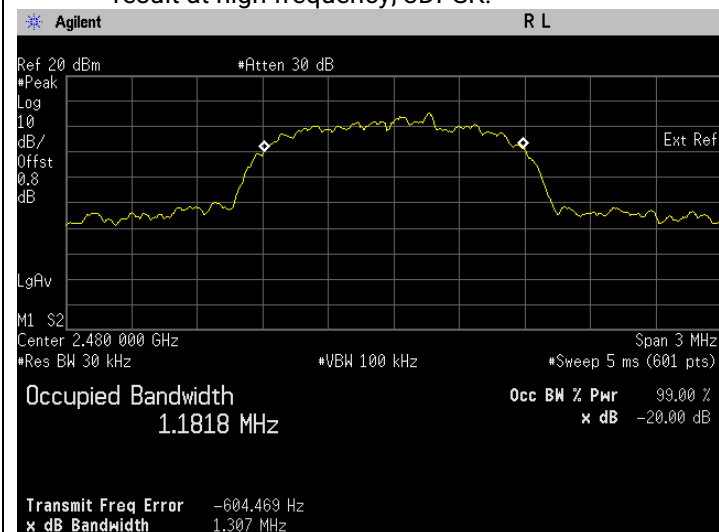
i. The 20 dB BW & occupied bandwidth test with result at low frequency, 8DPSK.



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

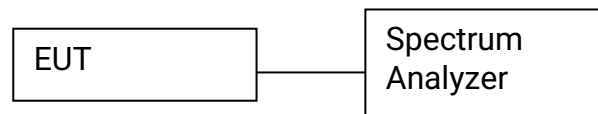


iii. The 20 dB BW & occupied bandwidth test with result at high frequency, 8DPSK.



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

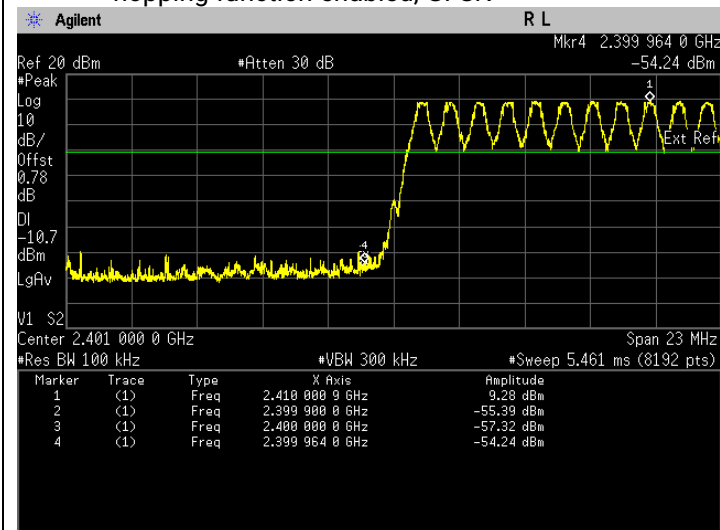
Normal Condition (25 ° C)
Shall be at least 20 dB below the peak power.

6.3.3. Test Result

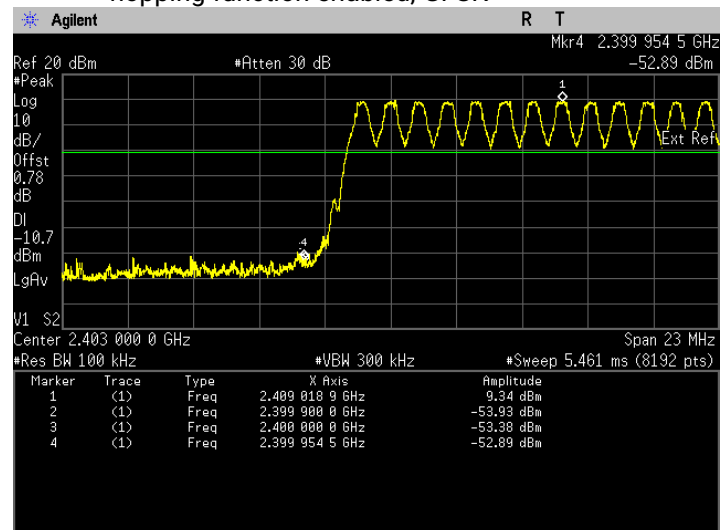
Test Conditions				Results	
Modulation	Voltage(V)	Hopping Method	Test Frequency(GHz)	dB	Status
GFSK	13.60	Enabled (continuously)	2.402	-54.24	Pass
			2.403	-52.89	Pass
			2.479	-55.30	Pass
			2.480	-55.51	Pass
		Disabled (constantly)	2.402	-51.11	Pass
			2.403	-52.83	Pass
			2.479	-56.97	Pass
			2.480	-55.50	Pass
Pi/4 DQPSK	13.60	Enabled (continuously)	2.402	-51.56	Pass
			2.403	-49.71	Pass
			2.479	-52.77	Pass
			2.480	-58.04	Pass
		Disabled (constantly)	2.402	-49.87	Pass
			2.403	-54.24	Pass
			2.479	-55.73	Pass
			2.480	-55.37	Pass
8 DPSK	13.60	Enabled (continuously)	2.402	-48.42	Pass
			2.403	-48.34	Pass
			2.479	-55.71	Pass
			2.480	-56.20	Pass
		Disabled (constantly)	2.402	-44.37	Pass
			2.403	-51.72	Pass
			2.479	-55.86	Pass
			2.480	-53.51	Pass

GFSK Modulation:

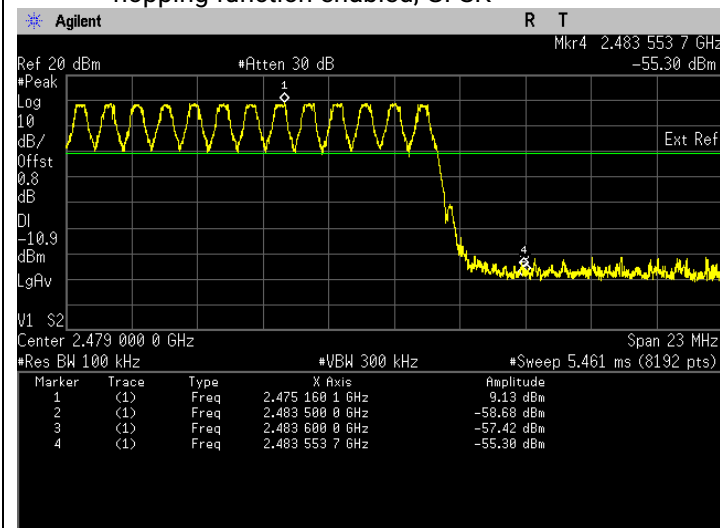
i. The highest band edge emission at 2402MHz with hopping function enabled, GFSK



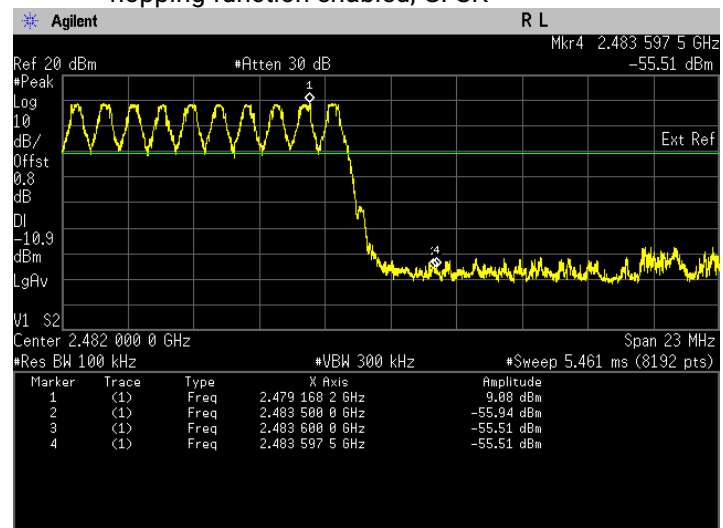
ii. The highest band edge emission at 2403MHz with hopping function enabled, GFSK



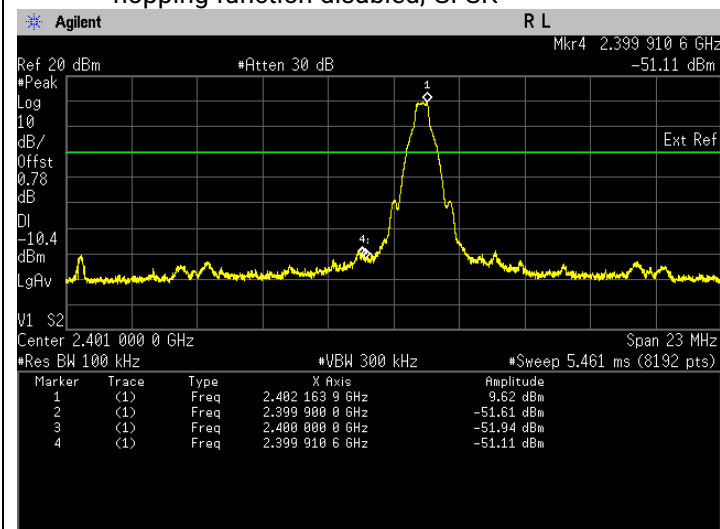
iii. The highest band edge emission at 2479MHz with hopping function enabled, GFSK



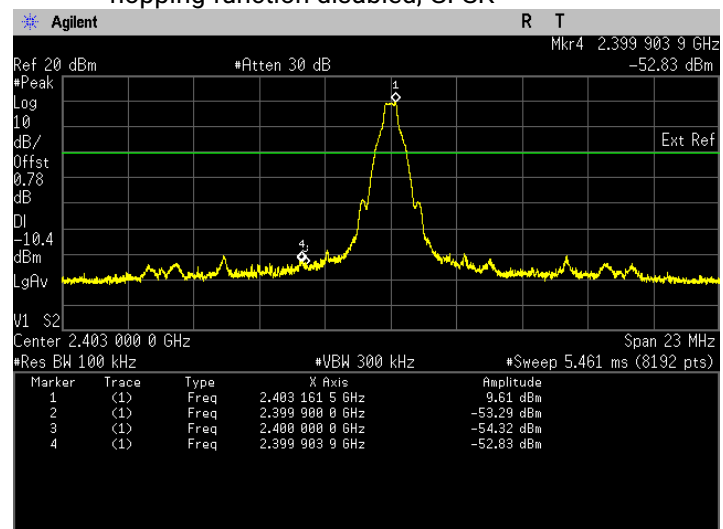
iv. The highest band edge emission at 2480MHz with hopping function enabled, GFSK



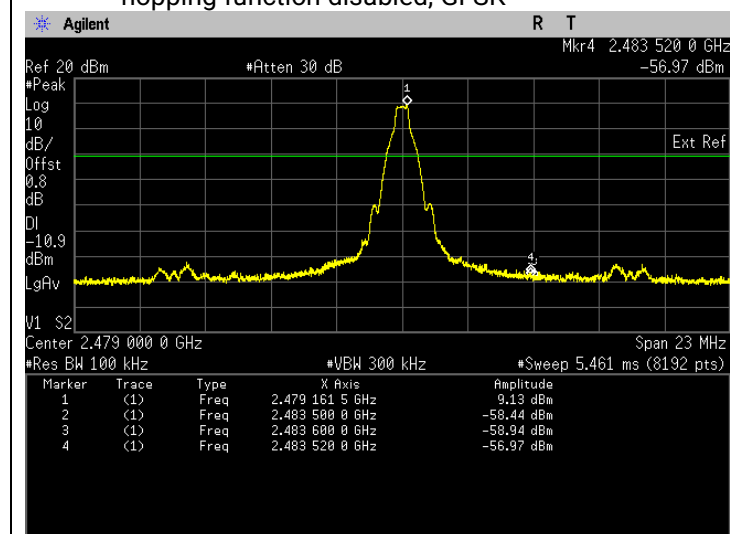
v. The highest band edge emission at 2402MHz with hopping function disabled, GFSK



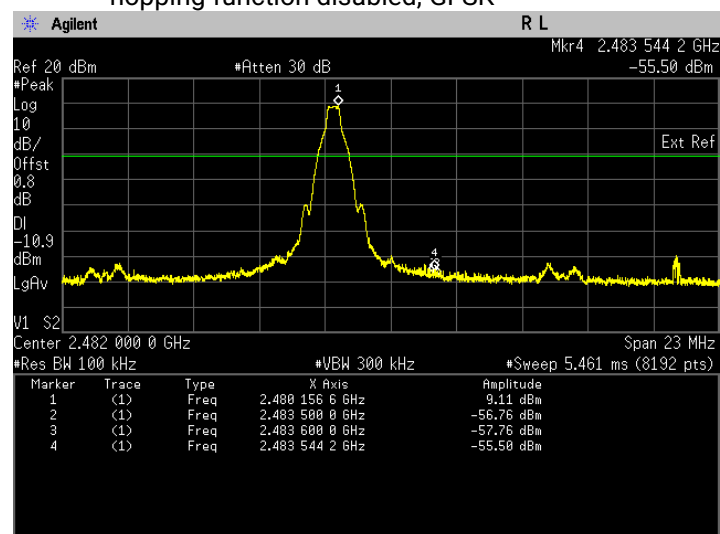
vi. The highest band edge emission at 2403MHz with hopping function disabled, GFSK



vii. The highest band edge emission at 2479MHz with hopping function disabled, GFSK

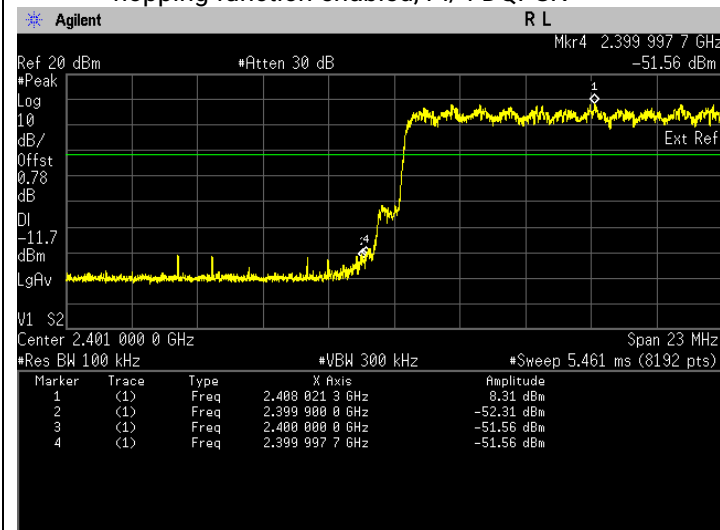


viii. The highest band edge emission at 2480MHz with hopping function disabled, GFSK

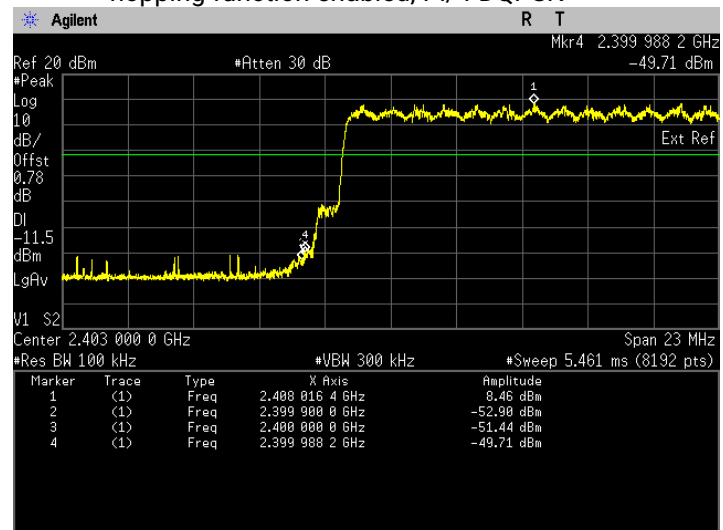


Pi/4 DQPSK Modulation:

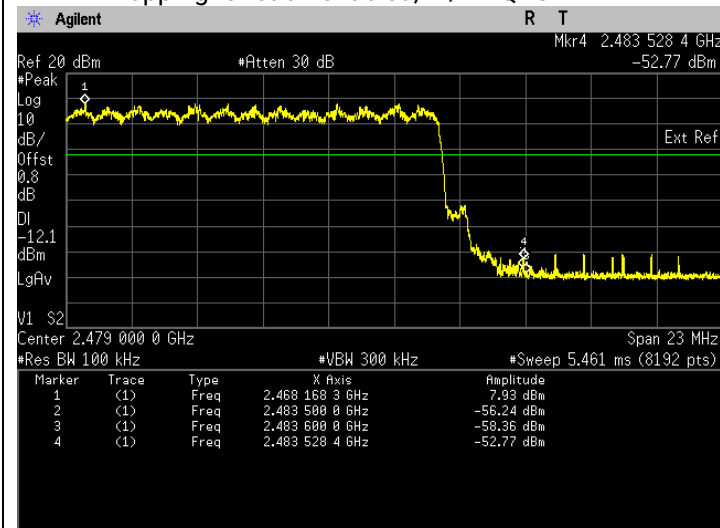
i. The highest band edge emission at 2402MHz with hopping function enabled, Pi/4 DQPSK



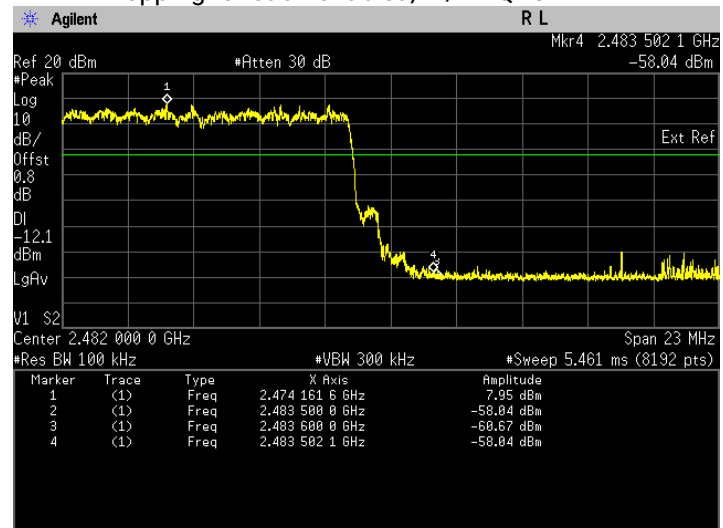
ii. The highest band edge emission at 2403MHz with hopping function enabled, Pi/4 DQPSK



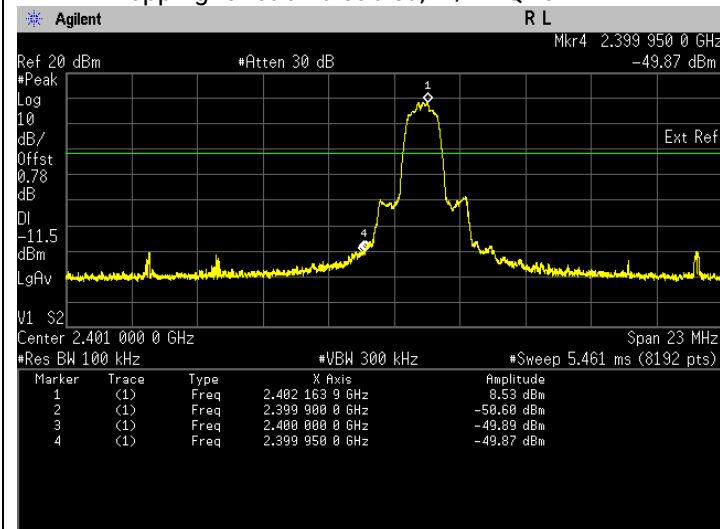
iii. The highest band edge emission at 2479MHz with hopping function enabled, Pi/4 DQPSK



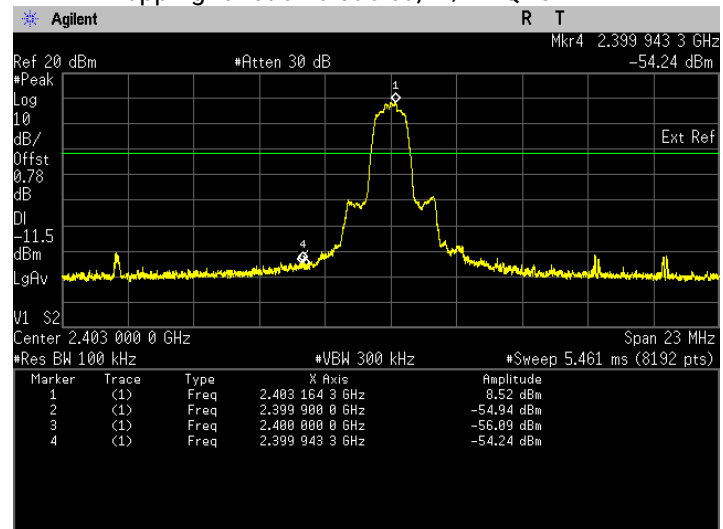
iv. The highest band edge emission at 2480MHz with hopping function enabled, Pi/4 DQPSK



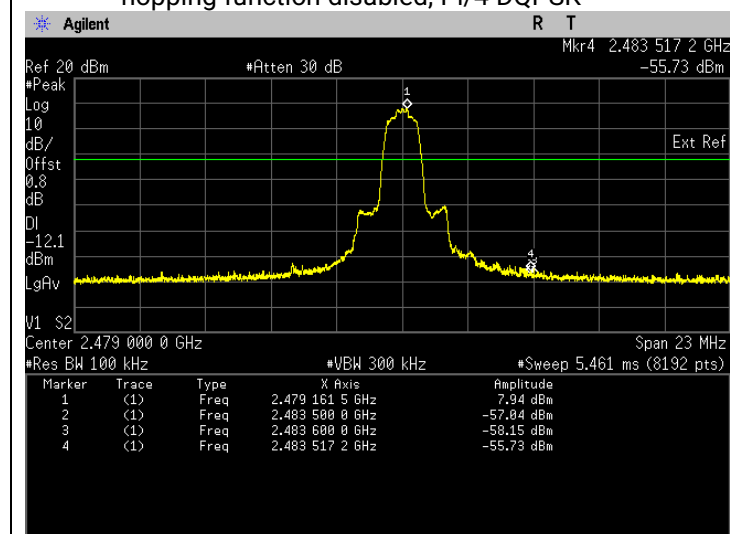
v. The highest band edge emission at 2402MHz with hopping function disabled, Pi/4 DQPSK



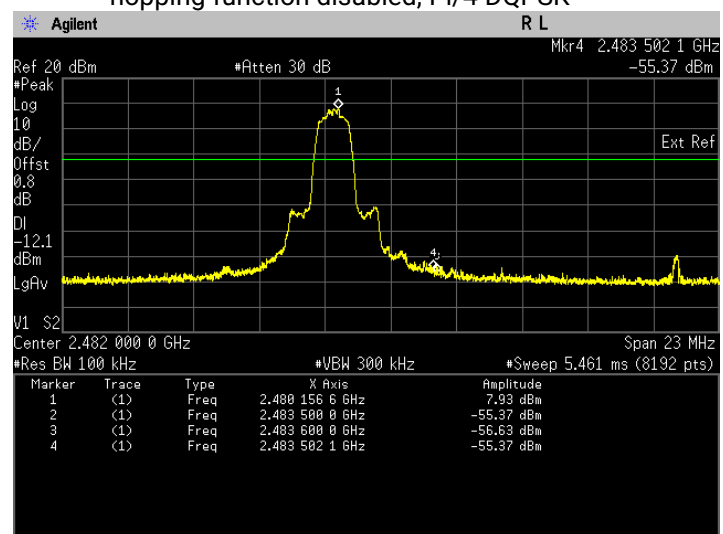
vi. The highest band edge emission at 2403MHz with hopping function disabled, Pi/4 DQPSK



vii. The highest band edge emission at 2479MHz with hopping function disabled, Pi/4 DQPSK

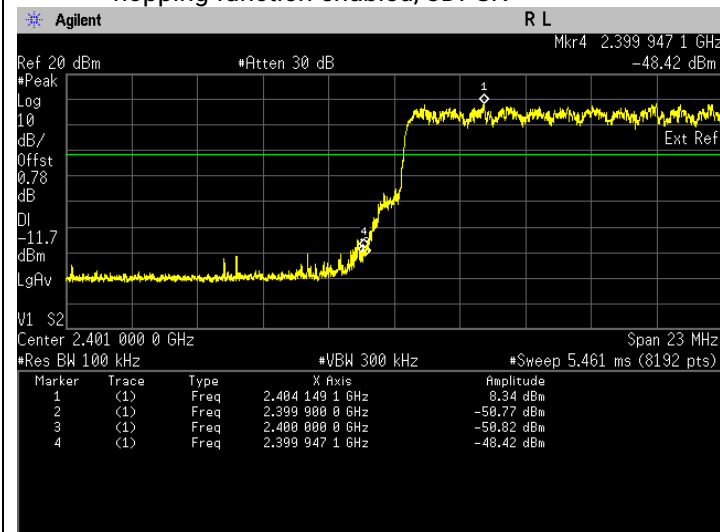


viii. The highest band edge emission at 2480MHz with hopping function disabled, Pi/4 DQPSK

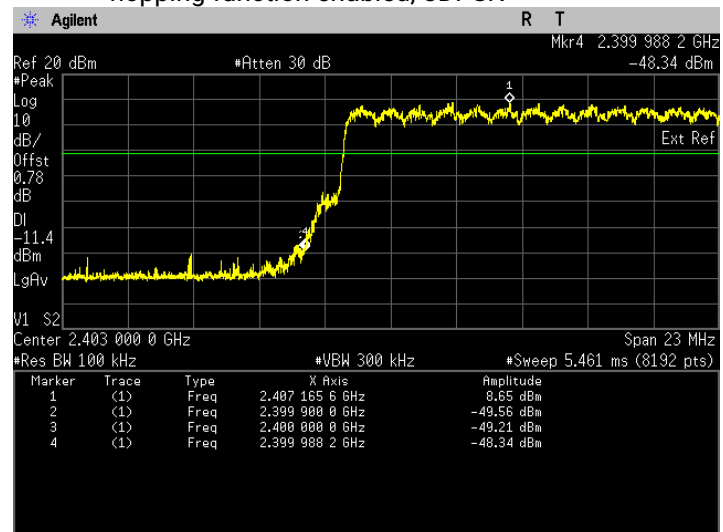


8DPSK Modulation:

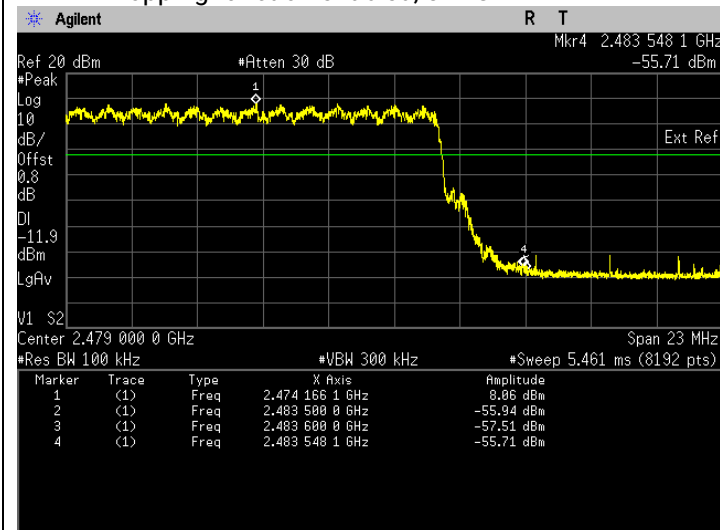
i. The highest band edge emission at 2402MHz with hopping function enabled, 8DPSK



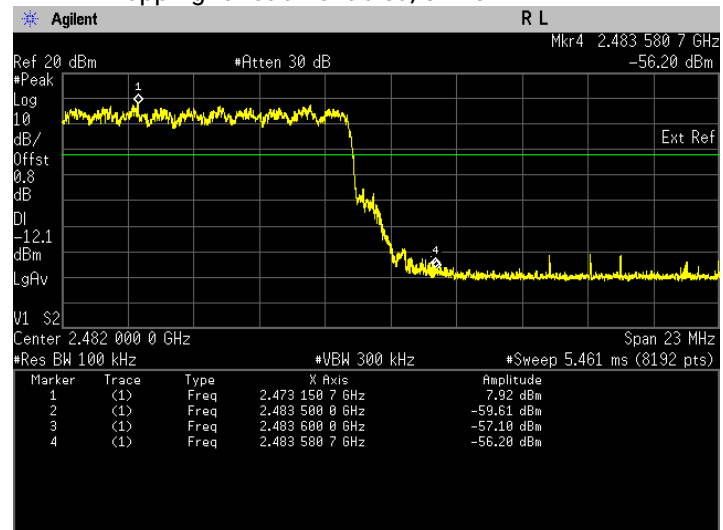
ii. The highest band edge emission at 2403MHz with hopping function enabled, 8DPSK



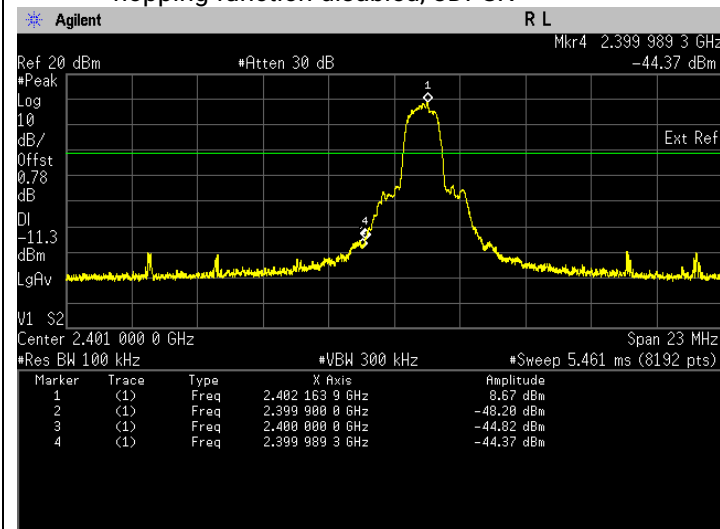
iii. The highest band edge emission at 2479MHz with hopping function enabled, 8DPSK



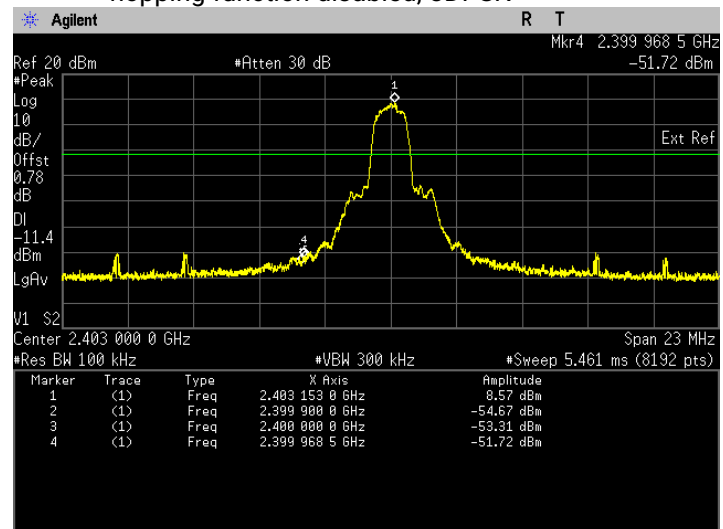
iv. The highest band edge emission at 2480MHz with hopping function enabled, 8DPSK



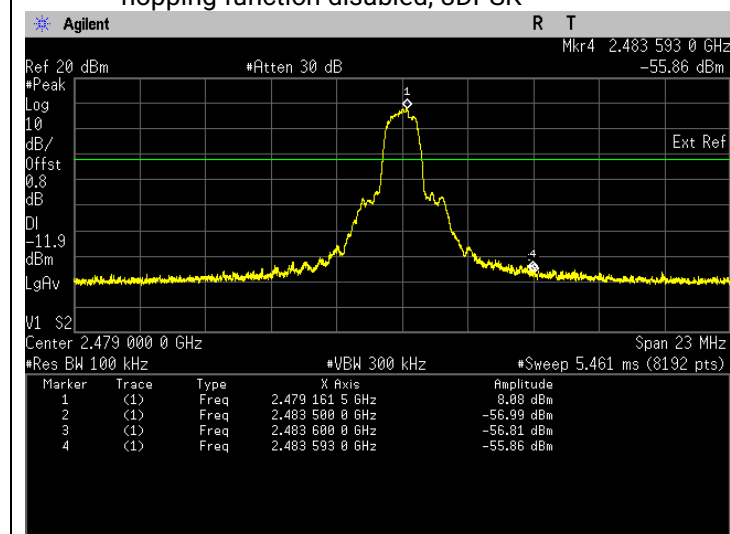
v. The highest band edge emission at 2402MHz with hopping function disabled, 8DPSK



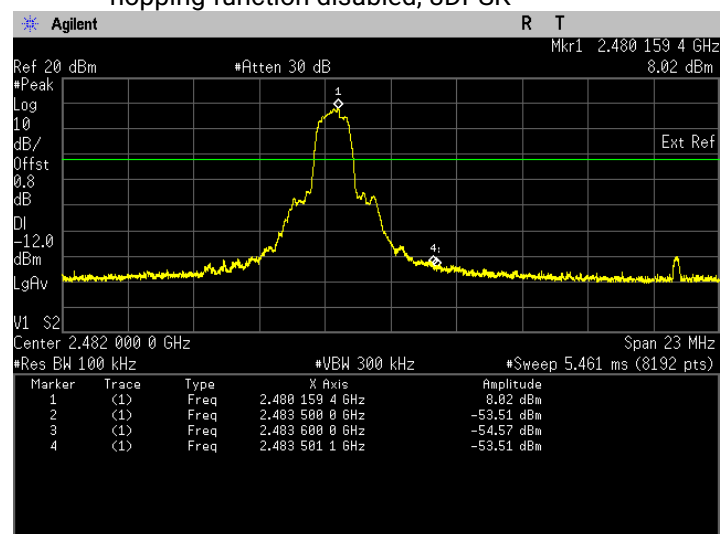
vi. The highest band edge emission at 2403MHz with hopping function disabled, 8DPSK



vii. The highest band edge emission at 2479MHz with hopping function disabled, 8DPSK

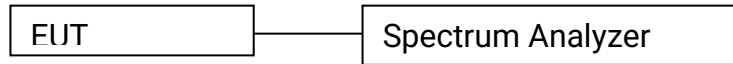


viii. The highest band edge emission at 2480MHz with hopping function disabled, 8DPSK



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:

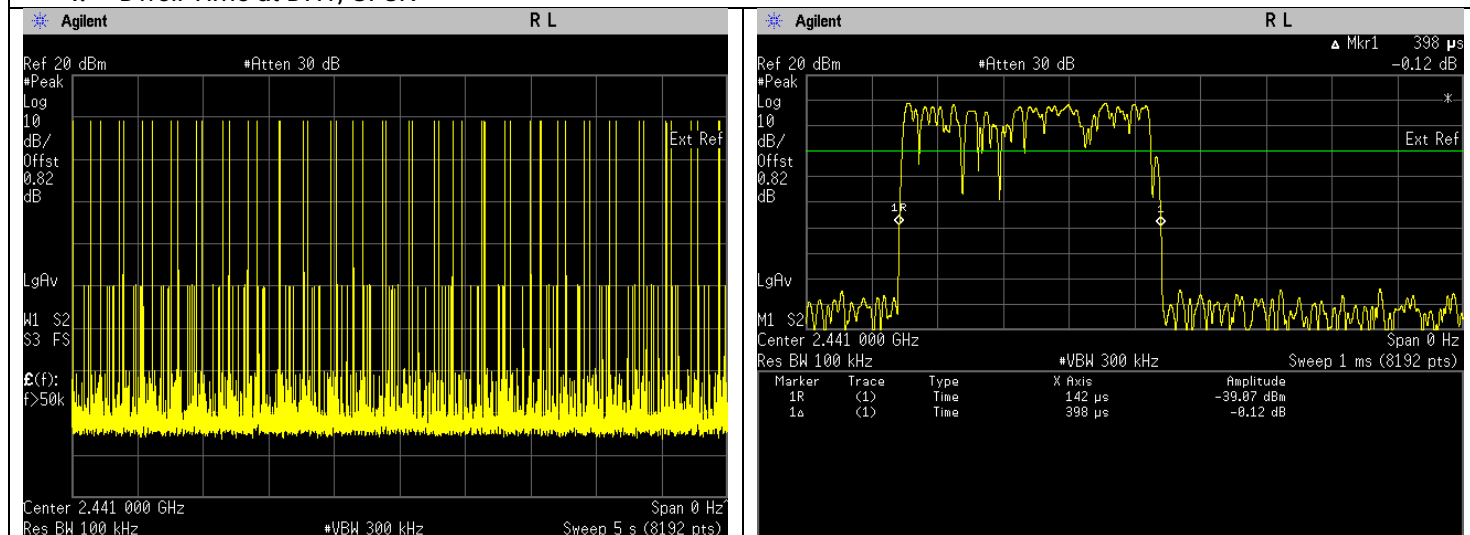
Normal Condition (25 ° C)
$\leq 400\text{ms}$

6.4.3. Test Result

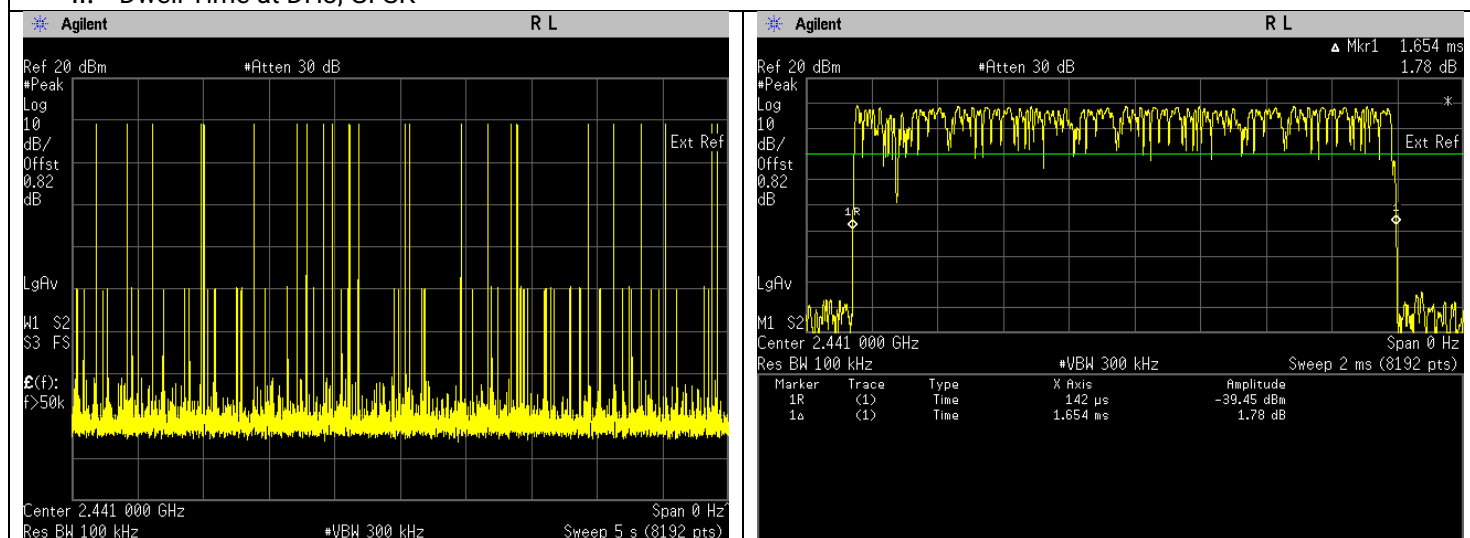
Test Conditions				Results			
Modulation	Voltage (V)	TX Frequency (MHz)	Data Package	No. of transmission in 5s (a)	Dwell time in one transmission (b)	Total accumulate dwell time in 31.6s. (c)	Status
GFSK	13.60	2441	DH1	52	0.398	130.798720	Pass
			DH3	25	1.654	261.332000	Pass
			DH5	18	2.902	330.131520	Pass
Pi/4 DQPSK	13.60	2441	DH1	52	0.400	131.456000	Pass
			DH3	29	1.653	302.961840	Pass
			DH5	18	2.901	330.017760	Pass
8 DPSK	13.60	2441	DH1	52	0.401	131.784640	Pass
			DH3	27	1.651	281.726640	Pass
			DH5	20	2.901	366.686400	Pass

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

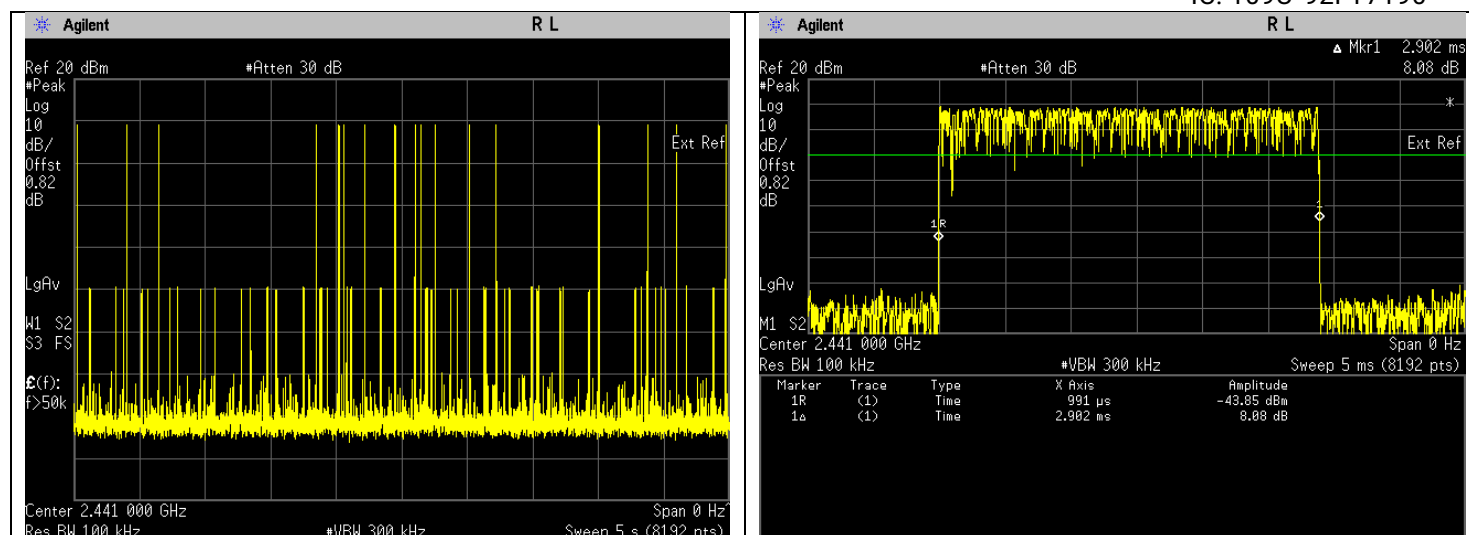
i. Dwell Time at DH1, GFSK



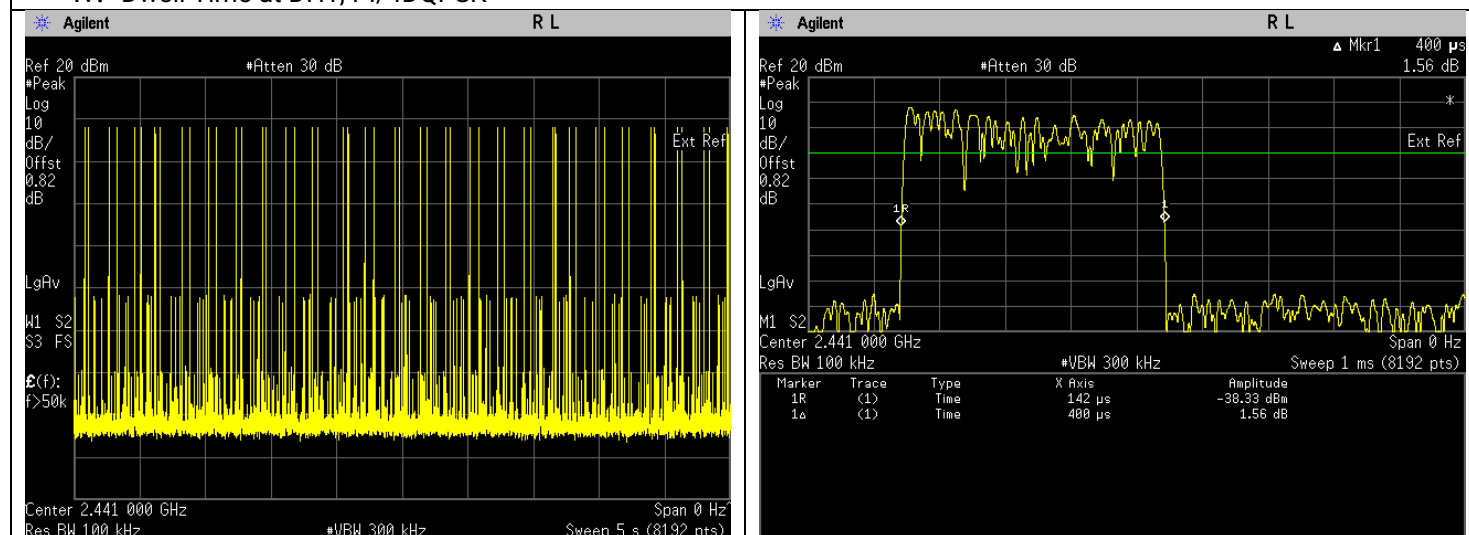
ii. Dwell Time at DH3, GFSK



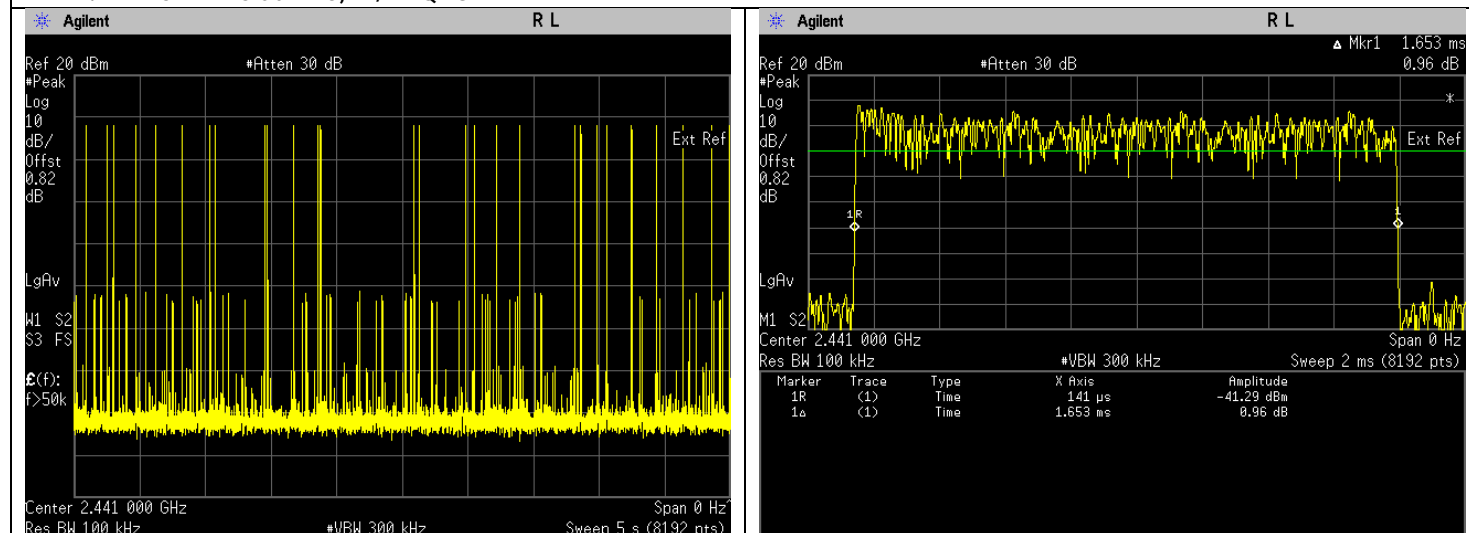
iii. Dwell Time at DH5, GFSK



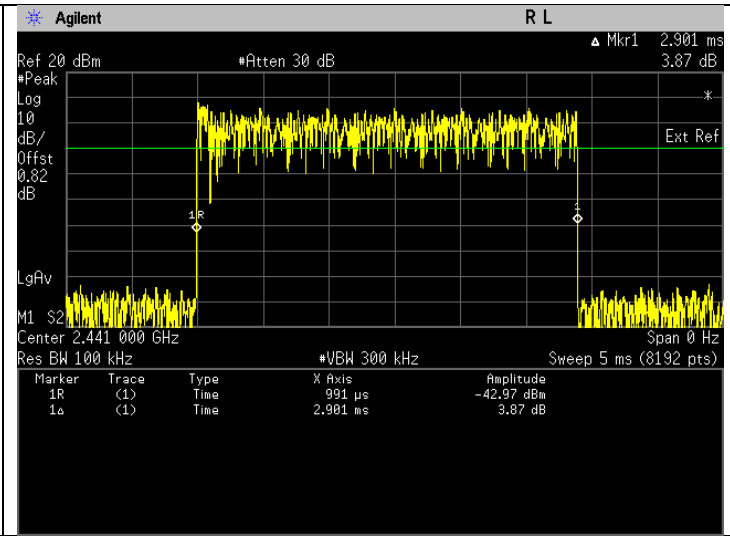
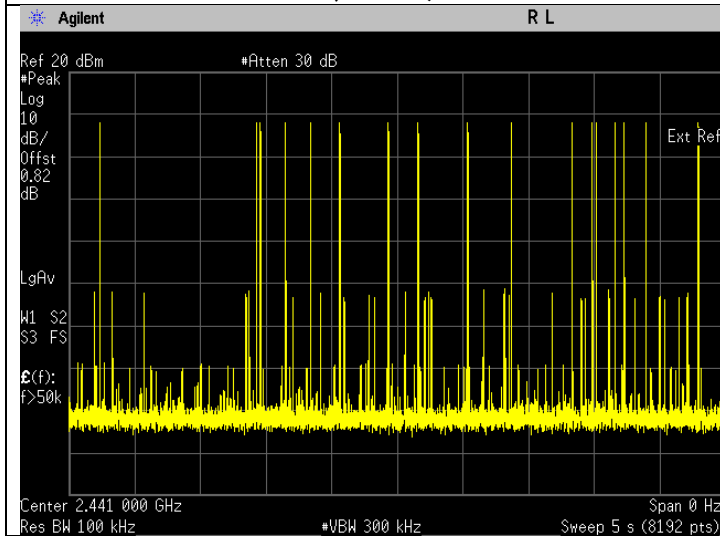
iv. Dwell Time at DH1, PI/4DQPSK



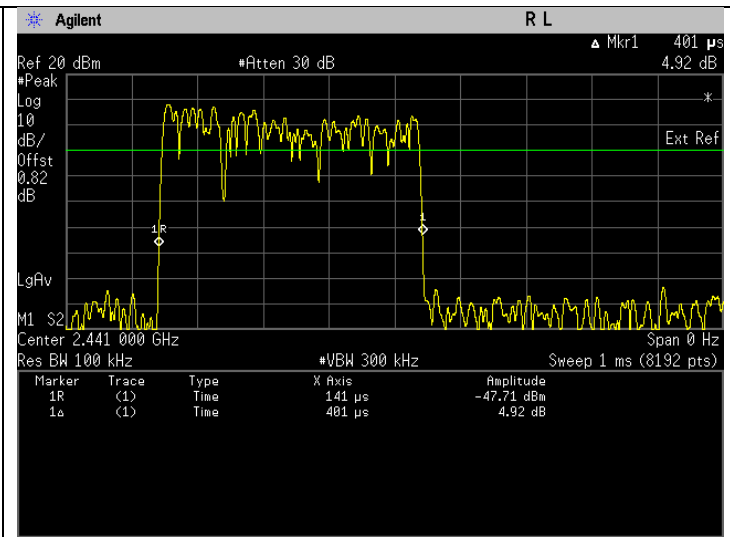
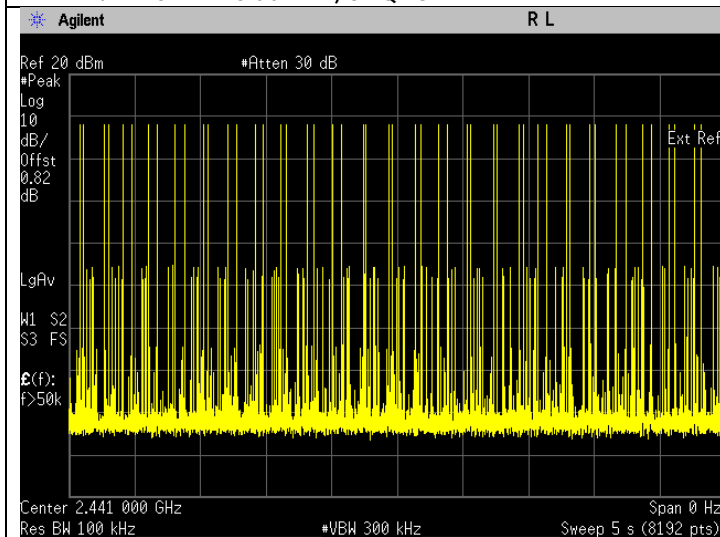
v. Dwell Time at DH3, PI/4DQPSK



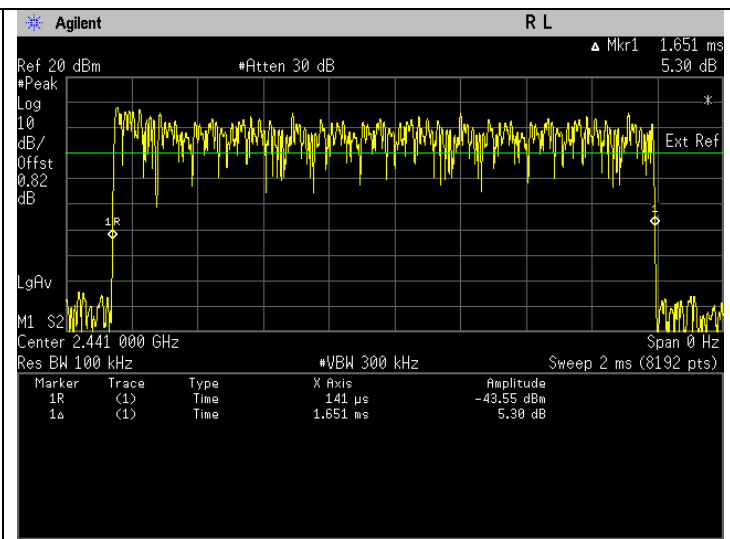
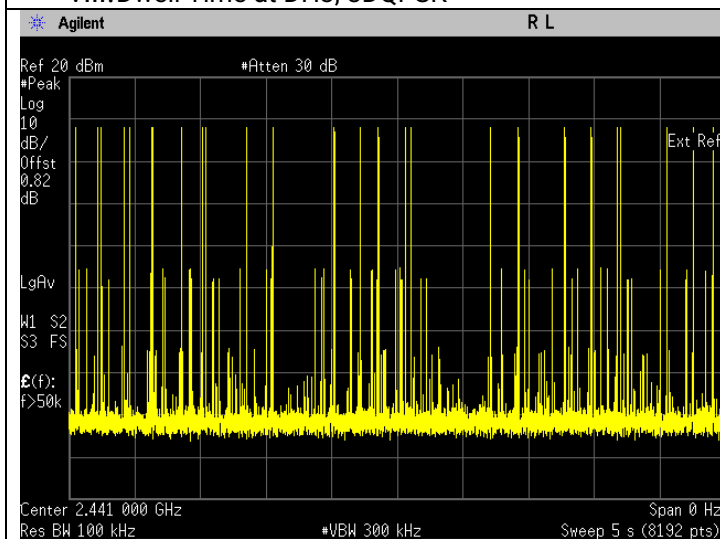
vi. Dwell Time at DH5, PI/4DQPSK



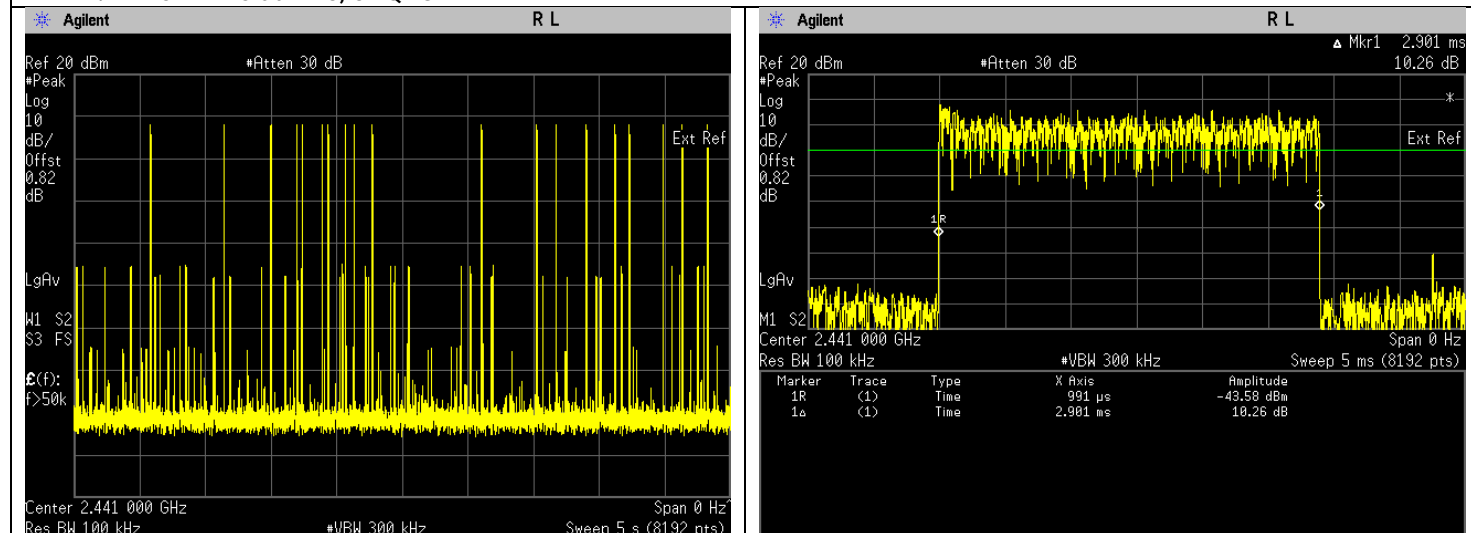
vii. Dwell Time at DH1, 8DQPSK



viii. Dwell Time at DH3, 8DQPSK

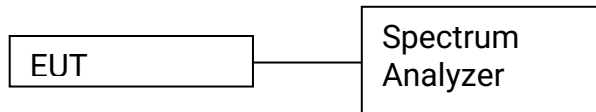


ix. Dwell Time at DH5, 8DQPSK



6.5. Number of hopping Frequency

6.5.1. Test Setup



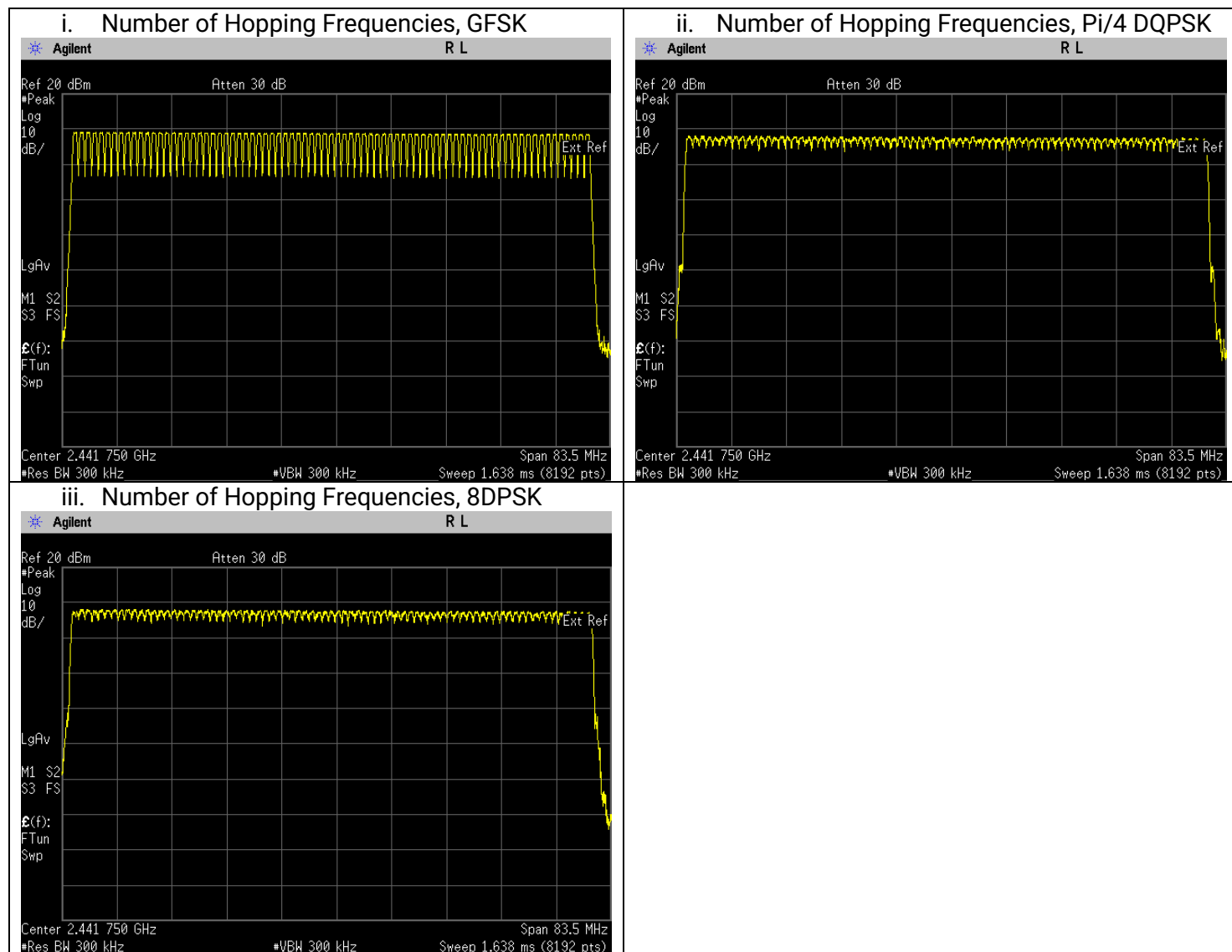
- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the EUT and keep the EUT in hopping mode.
- c) Connect EUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
 - a. RBW = 300 kHz
 - b. VBW = 300 kHz
 - c. Detector mode = Peak
 - 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

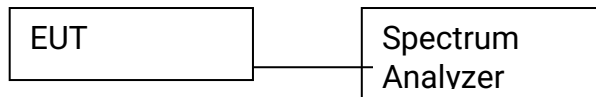
6.5.3. Test Result

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



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:

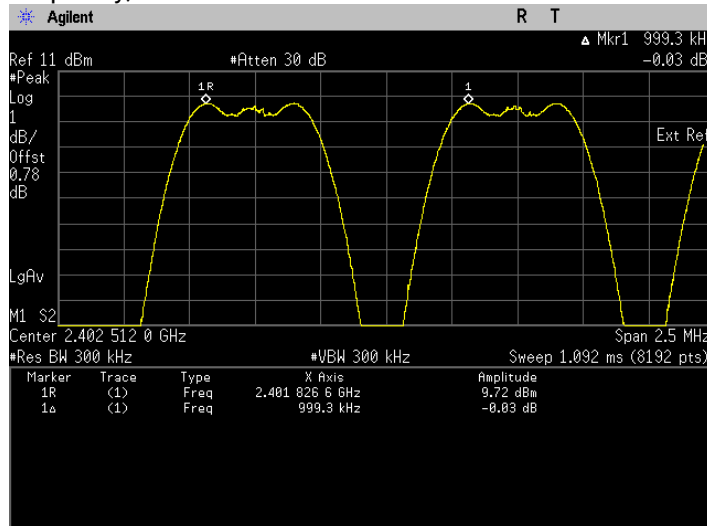
Normal Condition (25 ° C)
≥ 2/3 of 20dB Bandwidth

6.6.3.

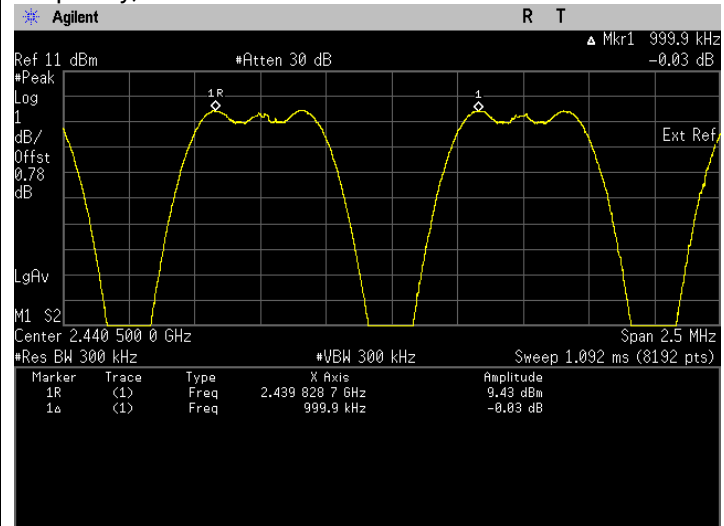
6.6.4. Test Result

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	0.999	0.961	640.667	Pass
		2.4410	1.000	0.962	641.333	Pass
		2.4800	0.999	0.961	640.667	Pass
Pi/4DQPSK	13.60	2.4020	1.001	1.337	891.333	Pass
		2.4410	1.001	1.335	890.000	Pass
		2.4800	1.000	1.335	890.000	Pass
8DPSK	13.60	2.4020	1.001	1.319	879.333	Pass
		2.4410	1.002	1.307	871.333	Pass
		2.4800	1.006	1.307	871.333	Pass

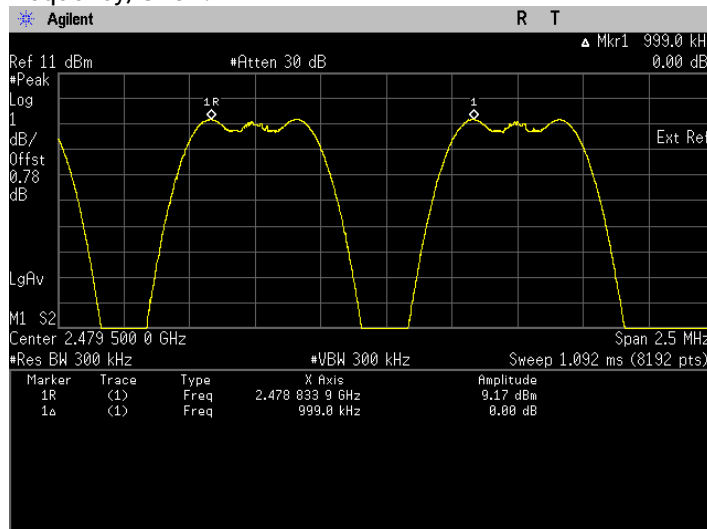
The Conducted RF Output Power test with result at low frequency, GFSK.



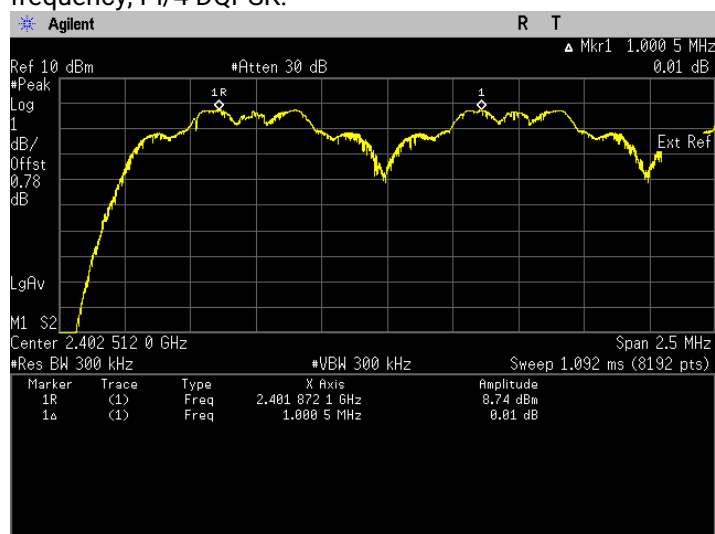
The Conducted RF Output Power test with result at mid frequency, GFSK.



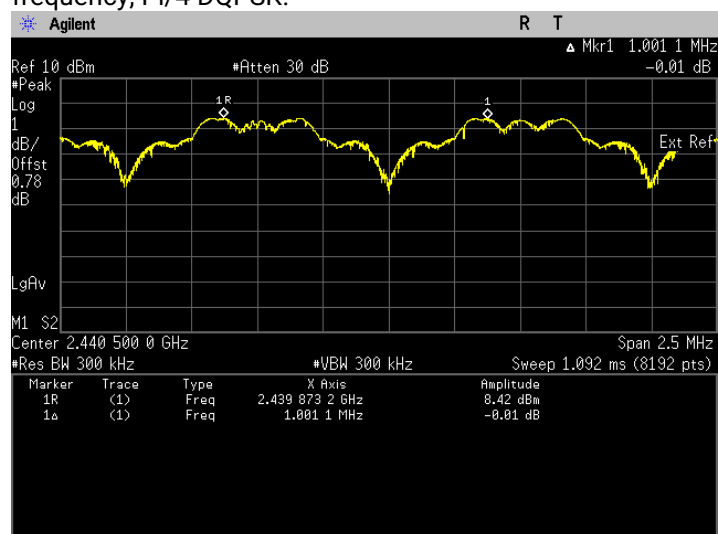
The Conducted RF Output Power test with result at high frequency, GFSK.



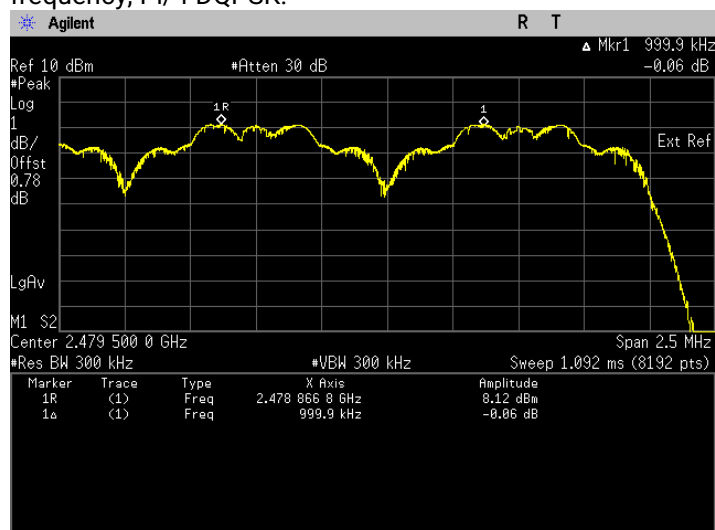
The Conducted RF Output Power test with result at low frequency, Pi/4 DQPSK.



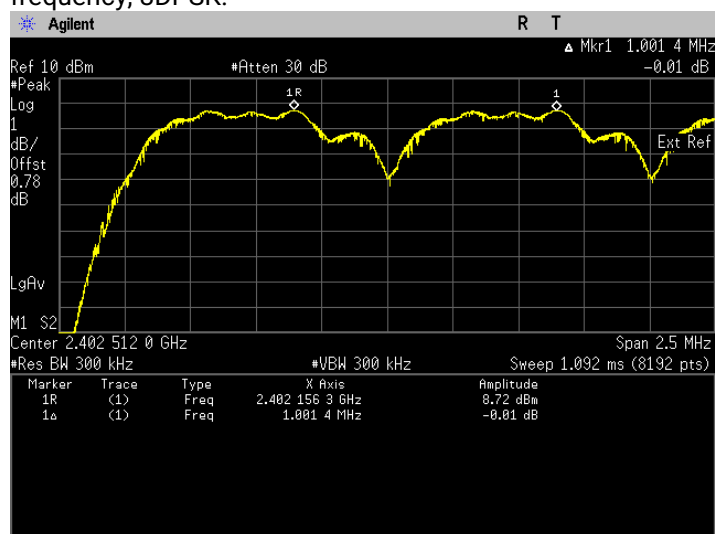
The Conducted RF Output Power test with result at mid frequency, Pi/4 DQPSK.



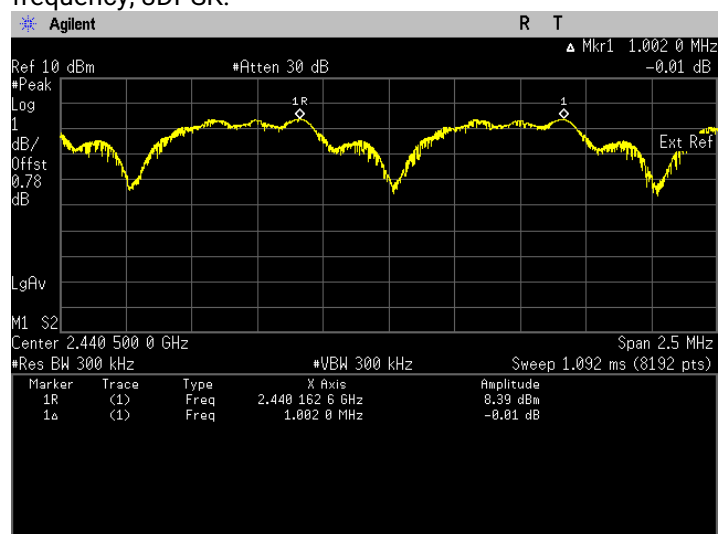
The Conducted RF Output Power test with result at high frequency, Pi/4 DQPSK.



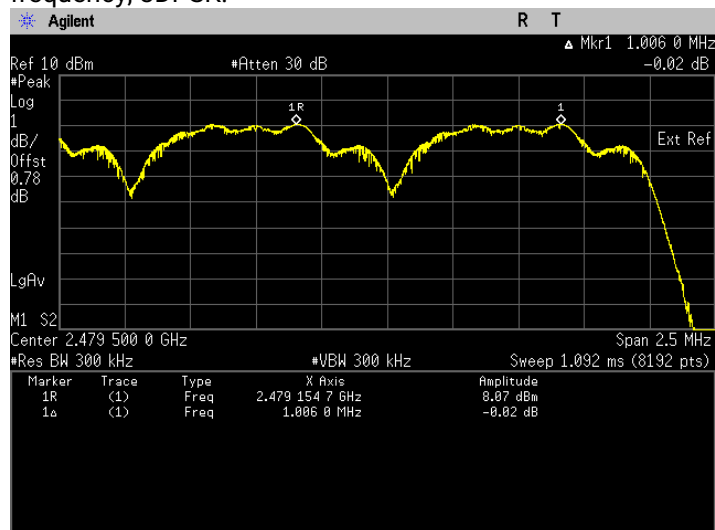
The Conducted RF Output Power test with result at low frequency, 8DPSK.



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

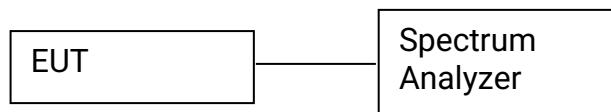


The Conducted RF Output Power test with result at high frequency, 8DPSK.



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:

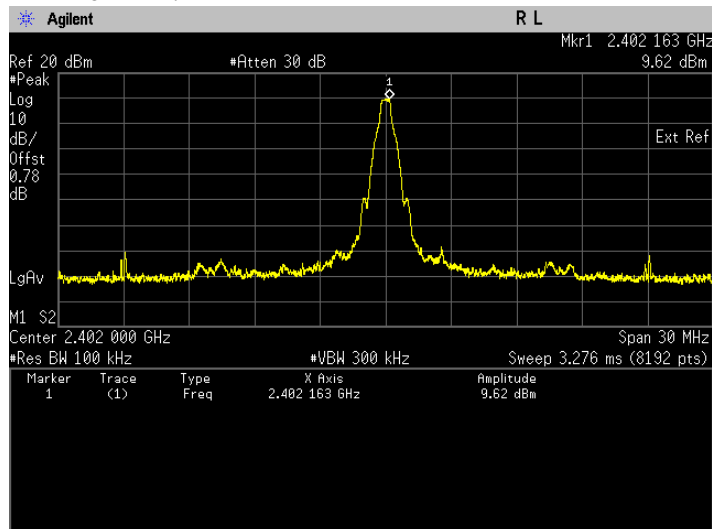
Normal Condition (25 ° C)
Shall be at least 20 dB below for peak power.

6.7.3. Test Data:

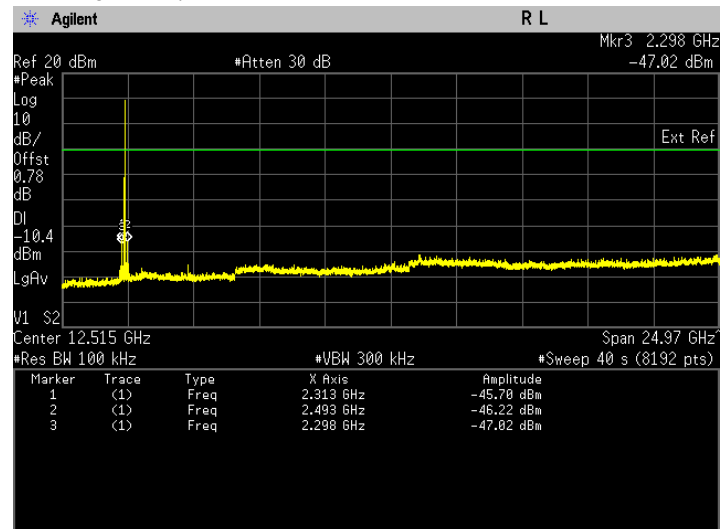
Test Conditions			Results		
Modulation	Voltage(V)	Test Frequency (GHz)	Spurs (MHz)	Level (dBm)	Status
GFSK	13.60	2.4020	2313.000	-45.696	Pass
		2.4030	2493.000	-47.290	Pass
		2.4410	2350.000	-45.206	Pass
		2.4790	2371.000	-46.030	Pass
		2.4800	2383.000	-45.542	Pass
Pi/4 DQPSK	13.60	2.4020	2301.000	-47.580	Pass
		2.4030	2493.000	-49.670	Pass
		2.4410	24896.000	-51.040	Pass
		2.4790	2466.000	-50.350	Pass
		2.4800	2386.000	-50.208	Pass
8DPSK	13.60	2.4020	24149.000	-51.733	Pass
		2.4030	24799.000	-51.150	Pass
		2.4410	2545.000	-50.449	Pass
		2.4790	2371.000	-48.290	Pass
		2.4800	2588.000	-49.943	Pass

GFSK Modulation:

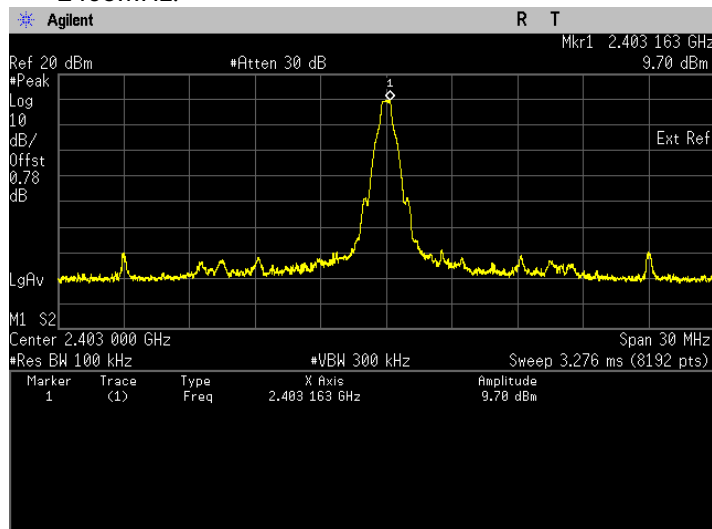
- The high emission level within the assigned band at 2402MHz.



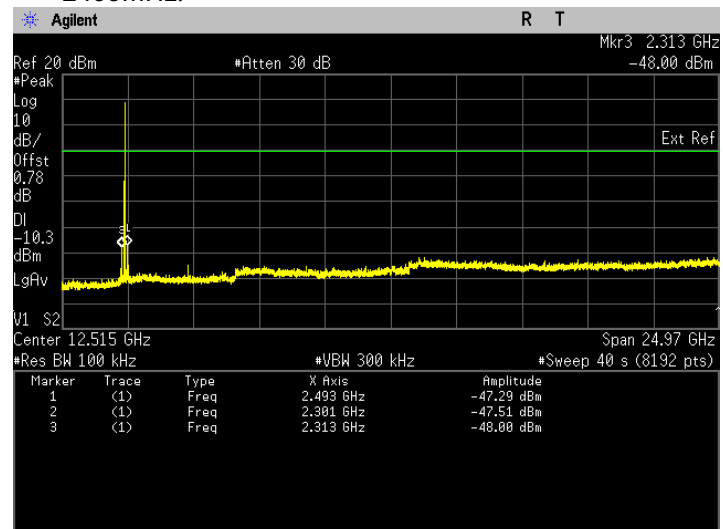
- Spurious emission measurement in 30MHz – 25GHz at 2402MHz.



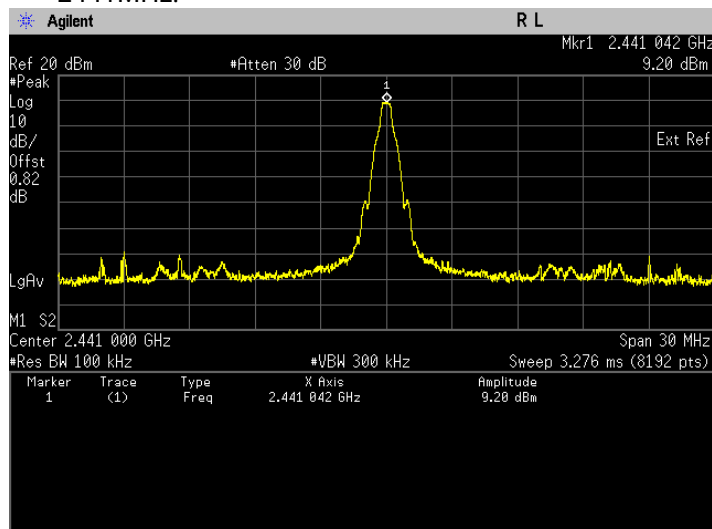
- The high emission level within the assigned band at 2403MHz.



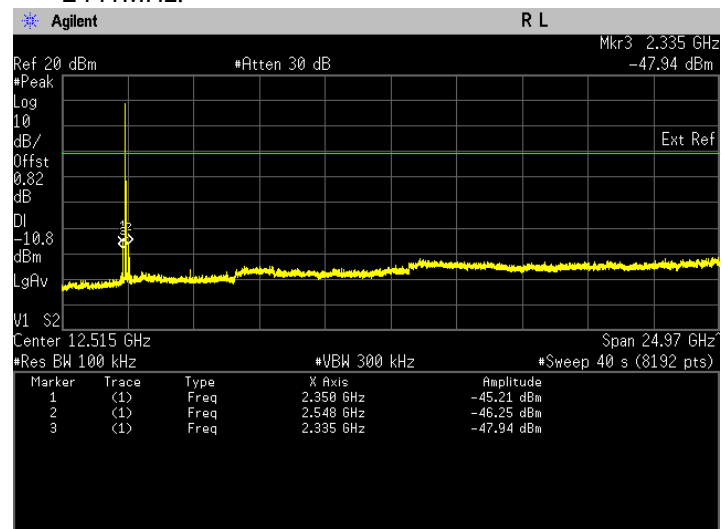
- Spurious emission measurement in 30MHz – 25GHz at 2403MHz.



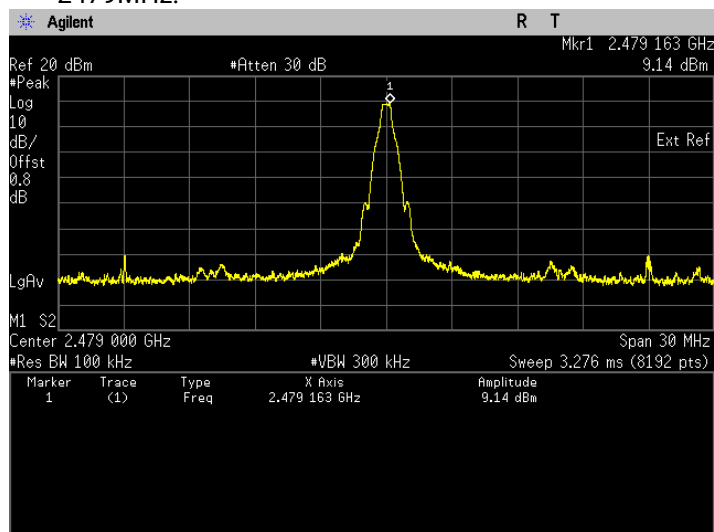
- The high emission level within the assigned band at 2441MHz.



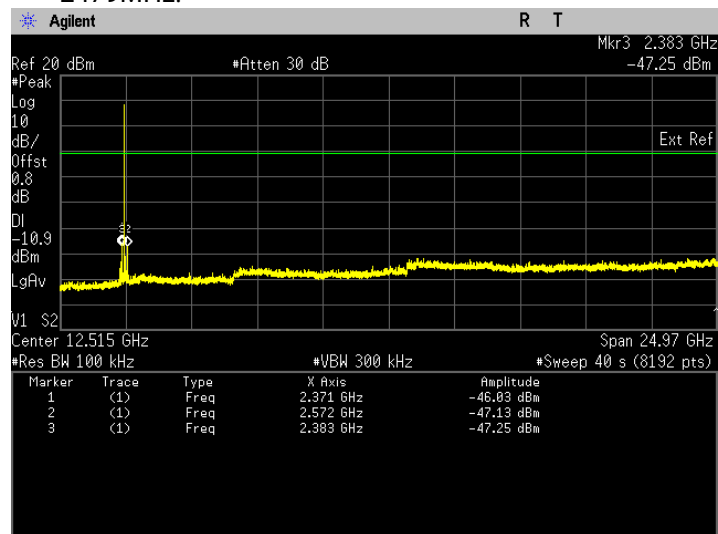
- Spurious emission measurement in 30MHz – 25GHz at 2441MHz.



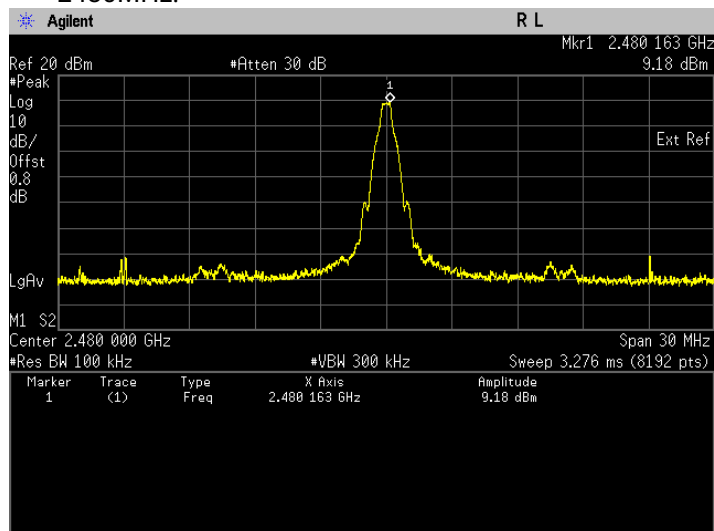
- The high emission level within the assigned band at 2479MHz.



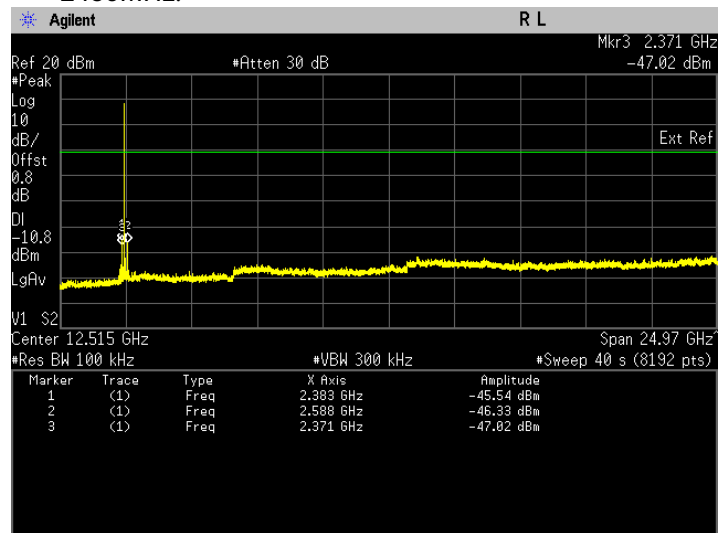
- Spurious emission measurement in 30MHz – 25GHz at 2479MHz.



- The high emission level within the assigned band at 2480MHz.

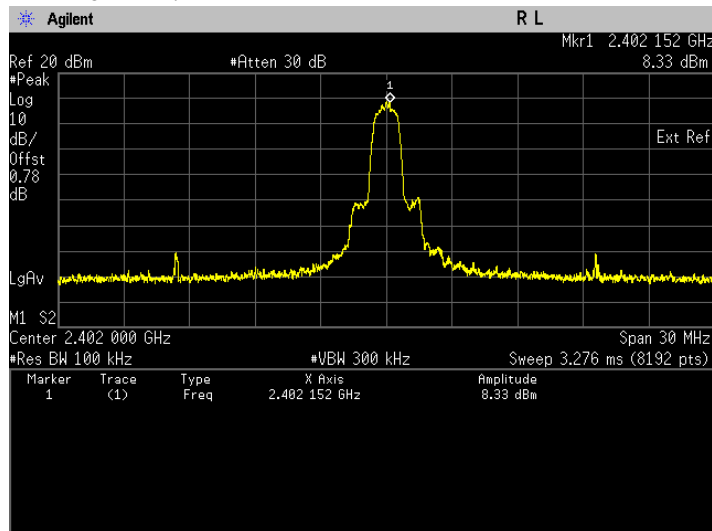


- Spurious emission measurement in 30MHz – 25GHz at 2480MHz.

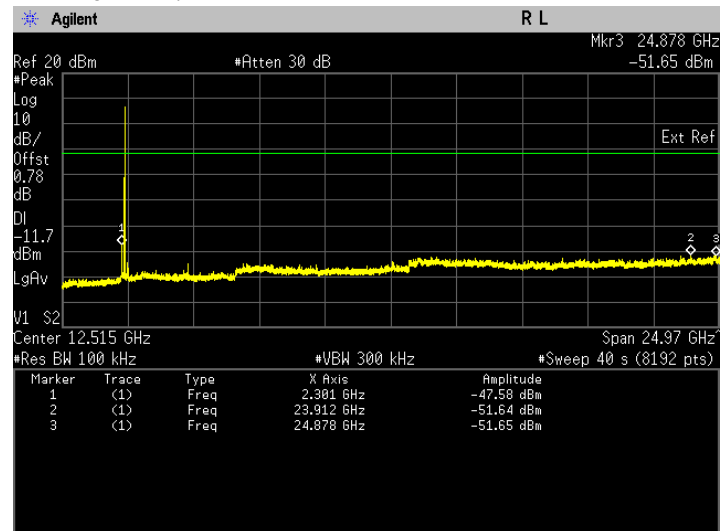


Pi/4 DQPSK Modulation:

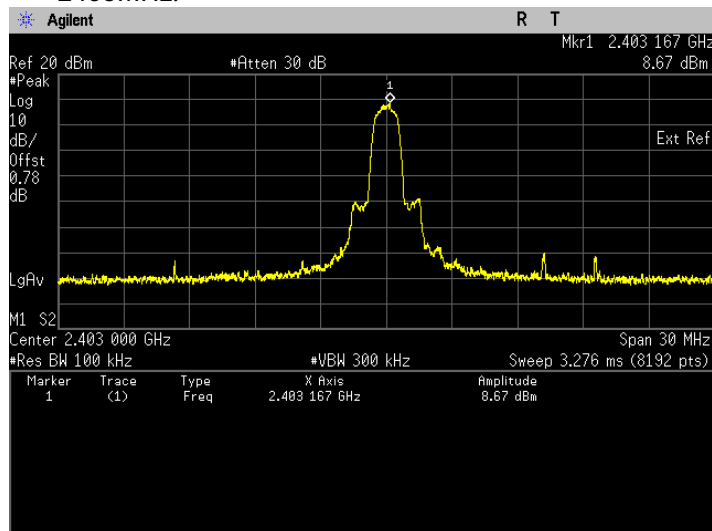
- The high emission level within the assigned band at 2402MHz.



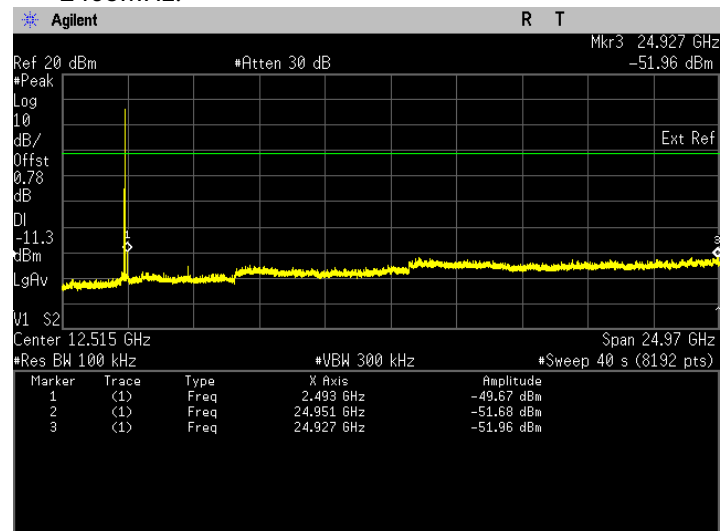
- Spurious emission measurement in 30MHz – 25GHz at 2402MHz.



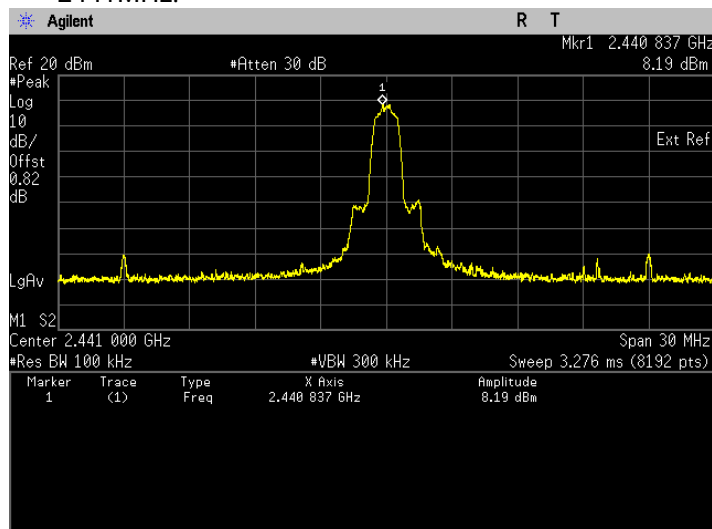
- The high emission level within the assigned band at 2403MHz.



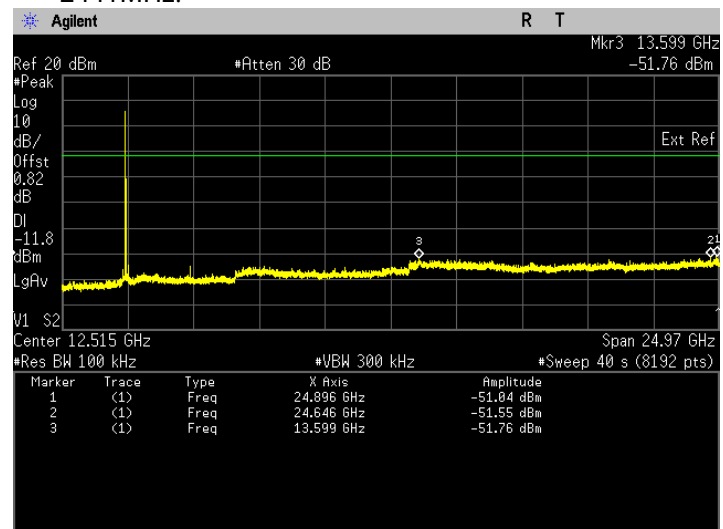
- Spurious emission measurement in 30MHz – 25GHz at 2403MHz.



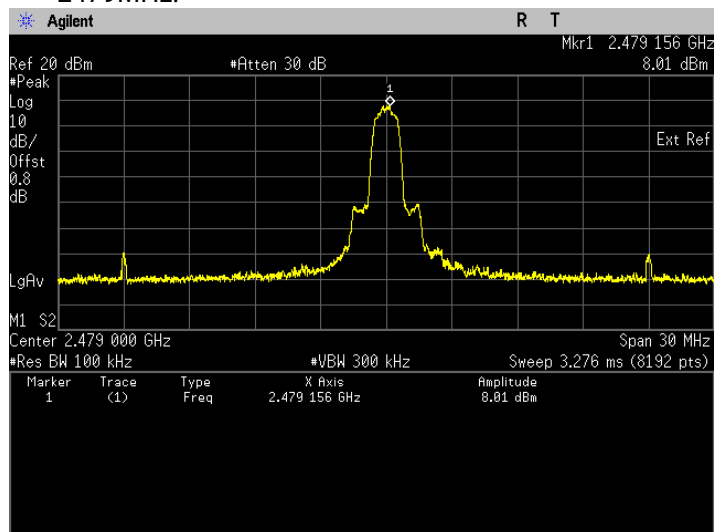
- The high emission level within the assigned band at 2441MHz.



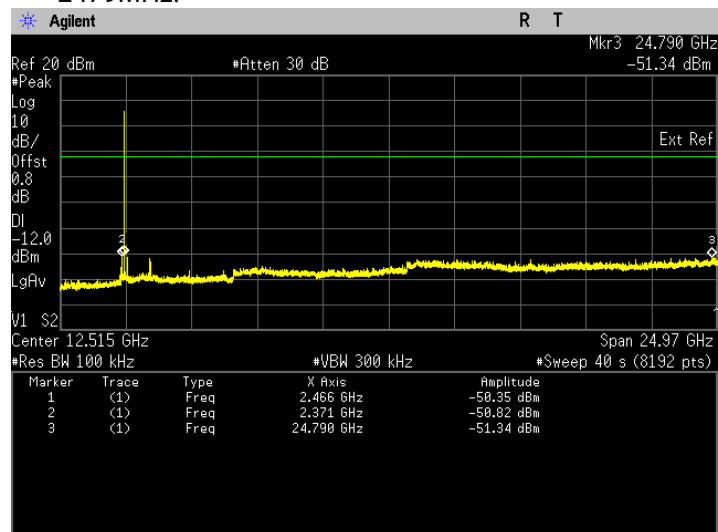
- Spurious emission measurement in 30MHz – 25GHz at 2441MHz.



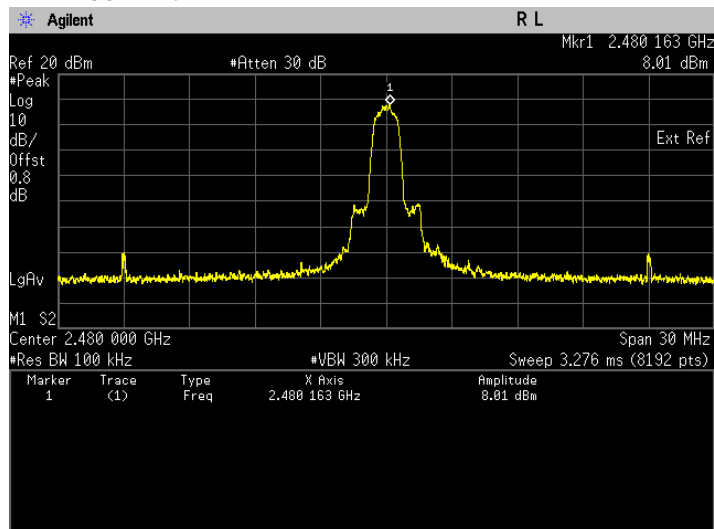
- The high emission level within the assigned band at 2479MHz.



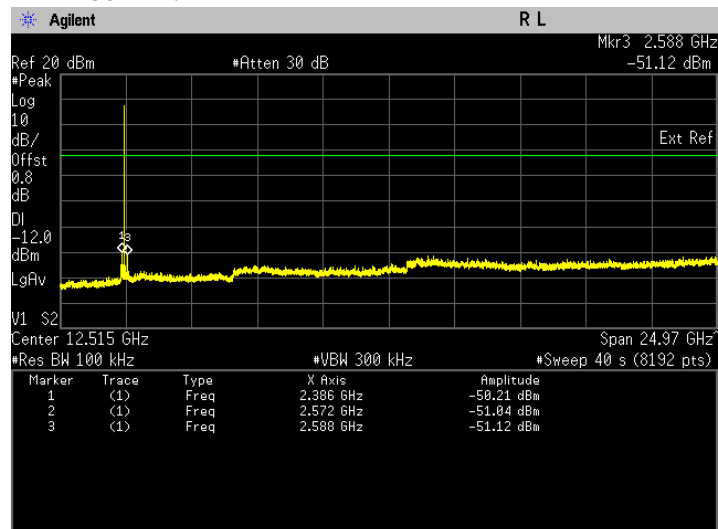
- Spurious emission measurement in 30MHz – 25GHz at 2479MHz.



- The high emission level within the assigned band at 2480MHz.

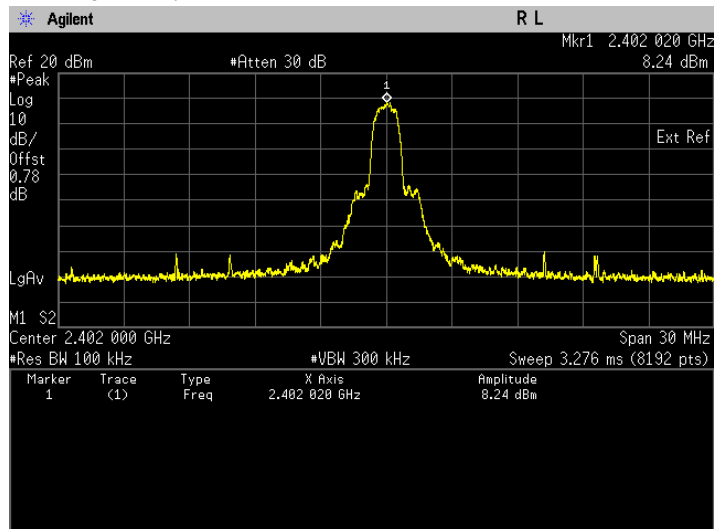


- Spurious emission measurement in 30MHz – 25GHz at 2480MHz.

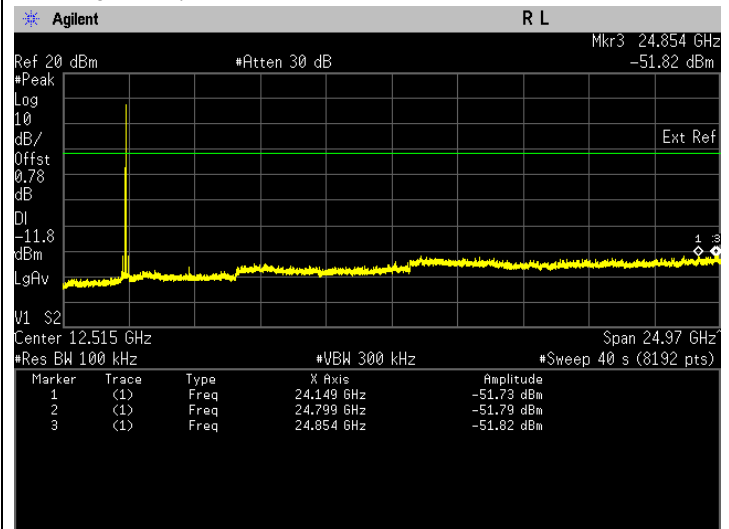


8DPSK Modulation:

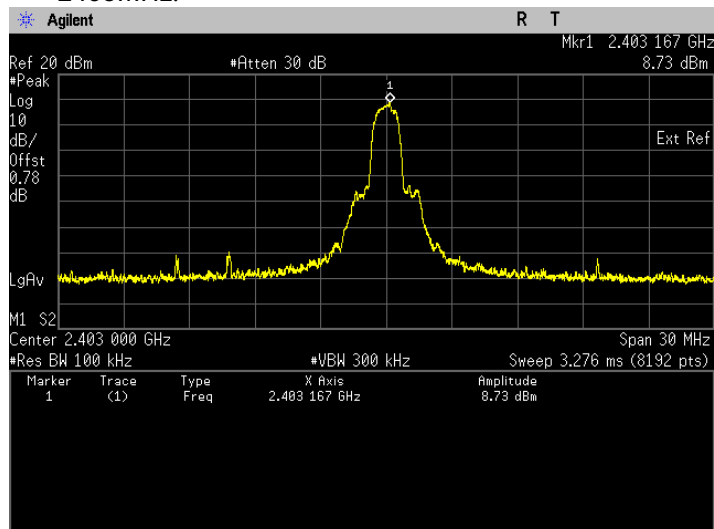
- The high emission level within the assigned band at 2402MHz.



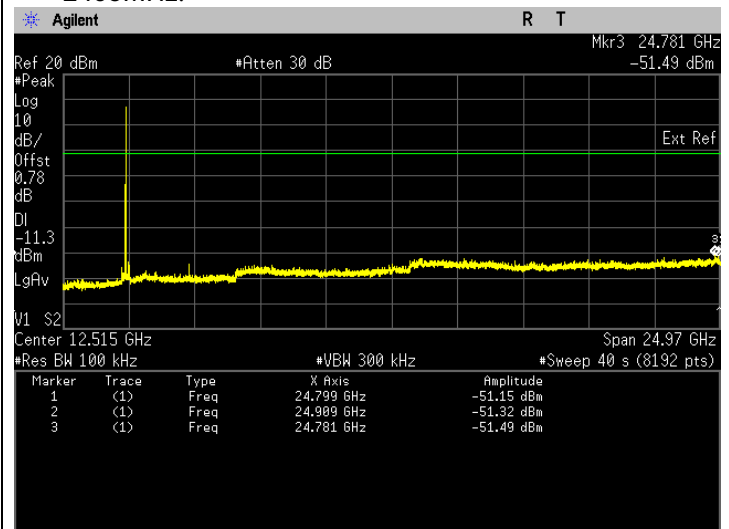
- Spurious emission measurement in 30MHz – 25GHz at 2402MHz.



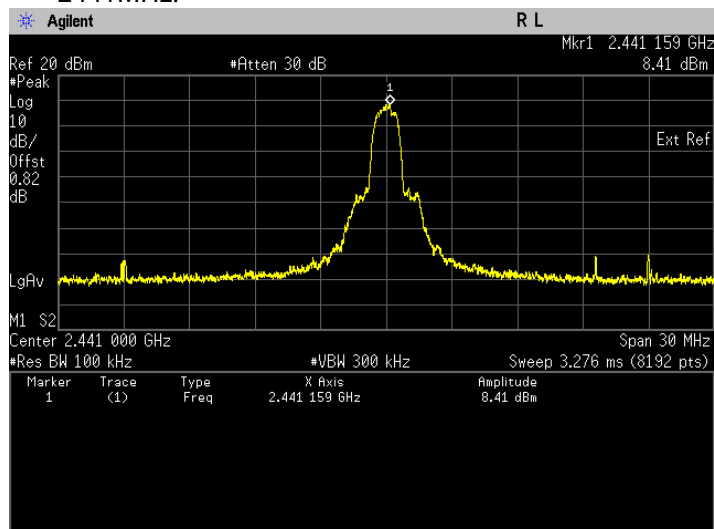
- The high emission level within the assigned band at 2403MHz.



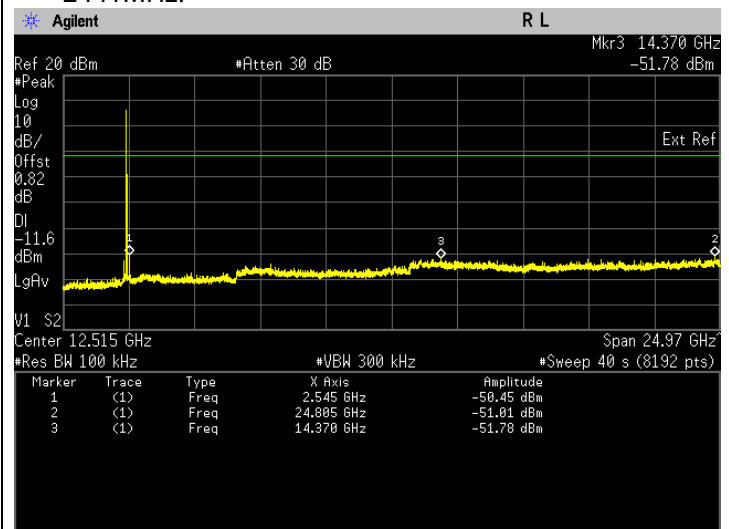
- Spurious emission measurement in 30MHz – 25GHz at 2403MHz.



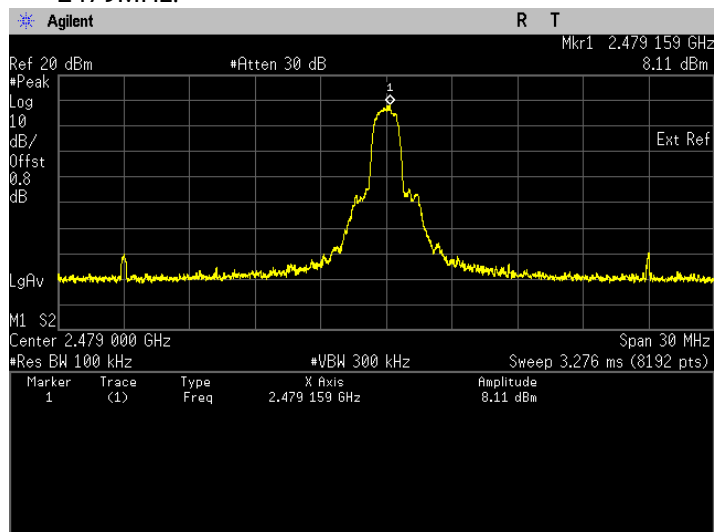
- The high emission level within the assigned band at 2441MHz.



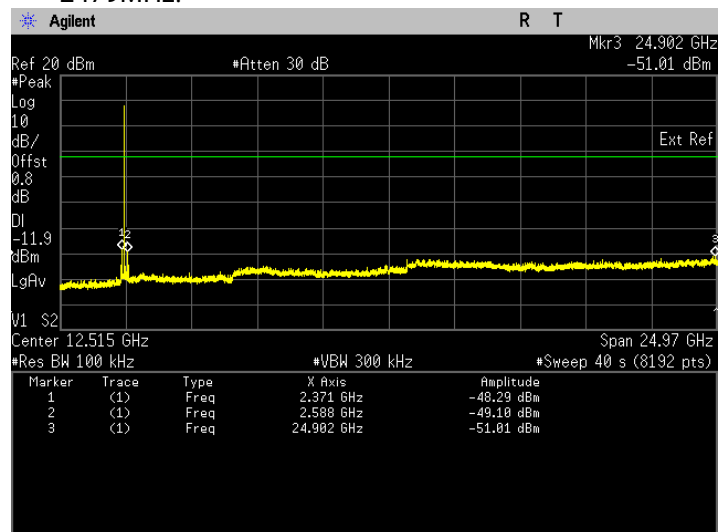
- Spurious emission measurement in 30MHz – 25GHz at 2441MHz.



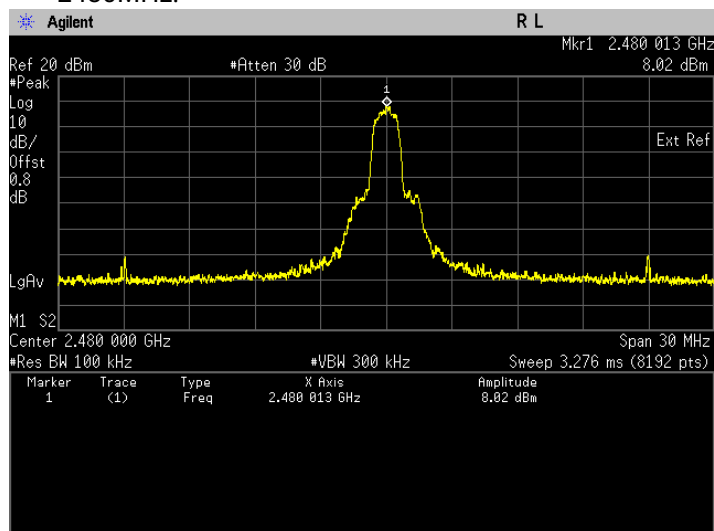
- The high emission level within the assigned band at 2479MHz.



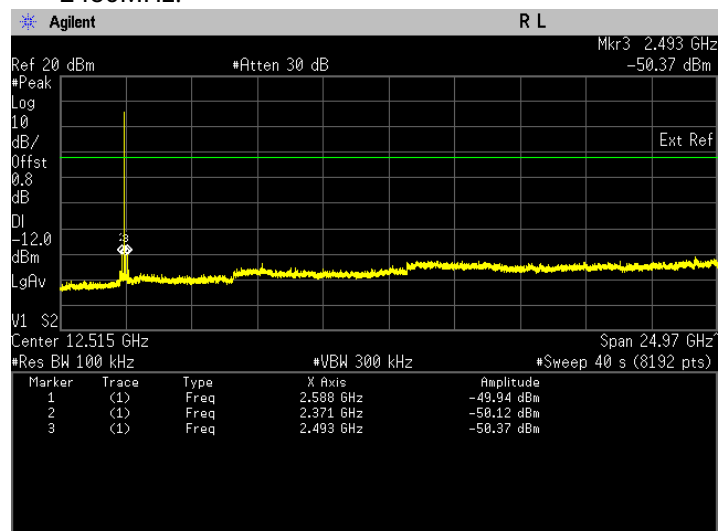
- Spurious emission measurement in 30MHz – 25GHz at 2479MHz.



- The high emission level within the assigned band at 2480MHz.

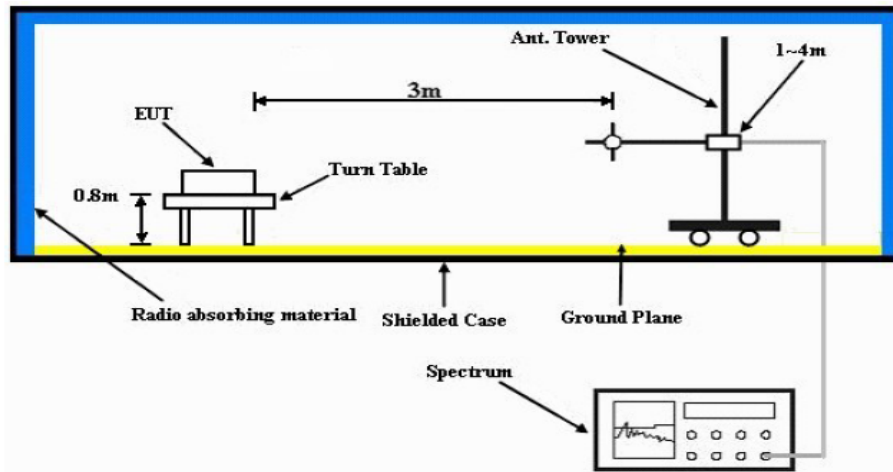


- Spurious emission measurement in 30MHz – 25GHz at 2480MHz.



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.

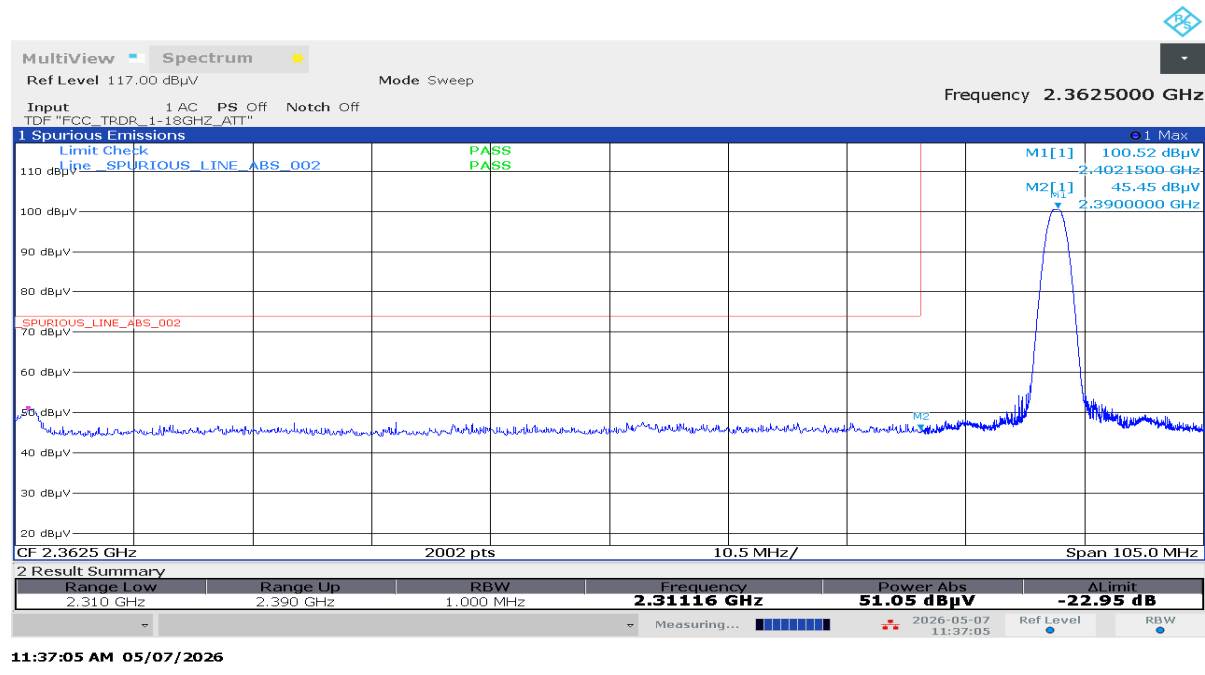
6.8.3. Test Data:

SAC TX Restricted Band-edge : 1468N00-EMC-00048

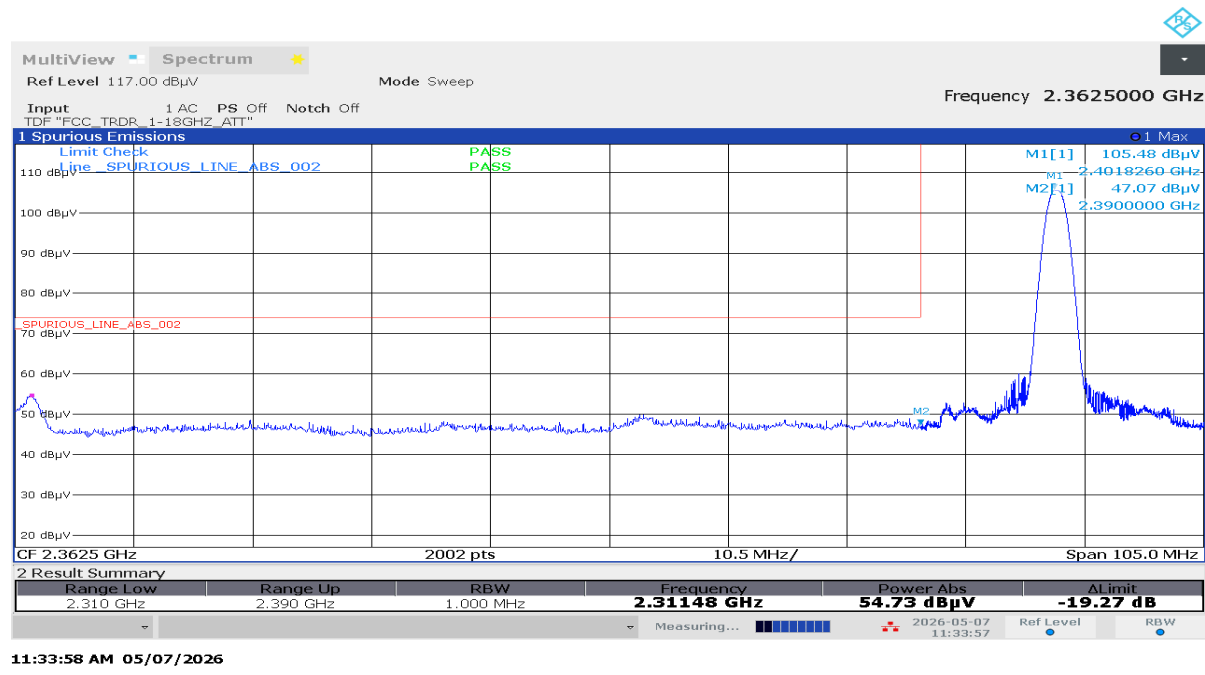
FCC ID :	AZ492FT7190	IC :	109U-92FT7190
Model No :	AAM29QPN9YA1AN	Serial No :	008TCF1848
Battery :	-	Charger :	-
Accessory :	PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01		
Test Mode :	BT - GFSK	Channel SP/Bandwidth (kHz) :	1000.0000
Test Frequency (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	Average	2310.9990	42.50	54.00	11.50
Horizontal	Peak	2311.1590	51.05 *	74.00	22.95
Vertical	Peak	2311.4790	54.73	74.00	19.27
Vertical	Average	2390.0000	36.47	54.00	17.53
Horizontal	Average	2390.0000	35.12	54.00	18.88
Vertical	Peak	2390.0000	47.07 *	74.00	26.93
Horizontal	Peak	2390.0000	45.45 *	74.00	28.55

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 : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : BT - GFSK Channel SP/Bandwidth (kHz) : 1000.0000
Test Frequency (MHz) : 2480.0000 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	Average	2483.5000	38.96	54.00	15.04
Horizontal	Average	2483.5000	36.63	54.00	17.37
Vertical	Peak	2483.5000	48.30 *	74.00	25.70
Horizontal	Peak	2483.5000	46.94 *	74.00	27.06
Horizontal	Peak	2483.8050	49.90 *	74.00	24.10
Vertical	Peak	2484.2670	52.08 *	74.00	21.92
Vertical	Peak	2484.5800	51.62 *	74.00	22.38
Vertical	Peak	2484.7440	51.55 *	74.00	22.45
Vertical	Peak	2489.6400	51.54 *	74.00	22.46
Vertical	Peak	2499.0520	50.91 *	74.00	23.09

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

Remarks:

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

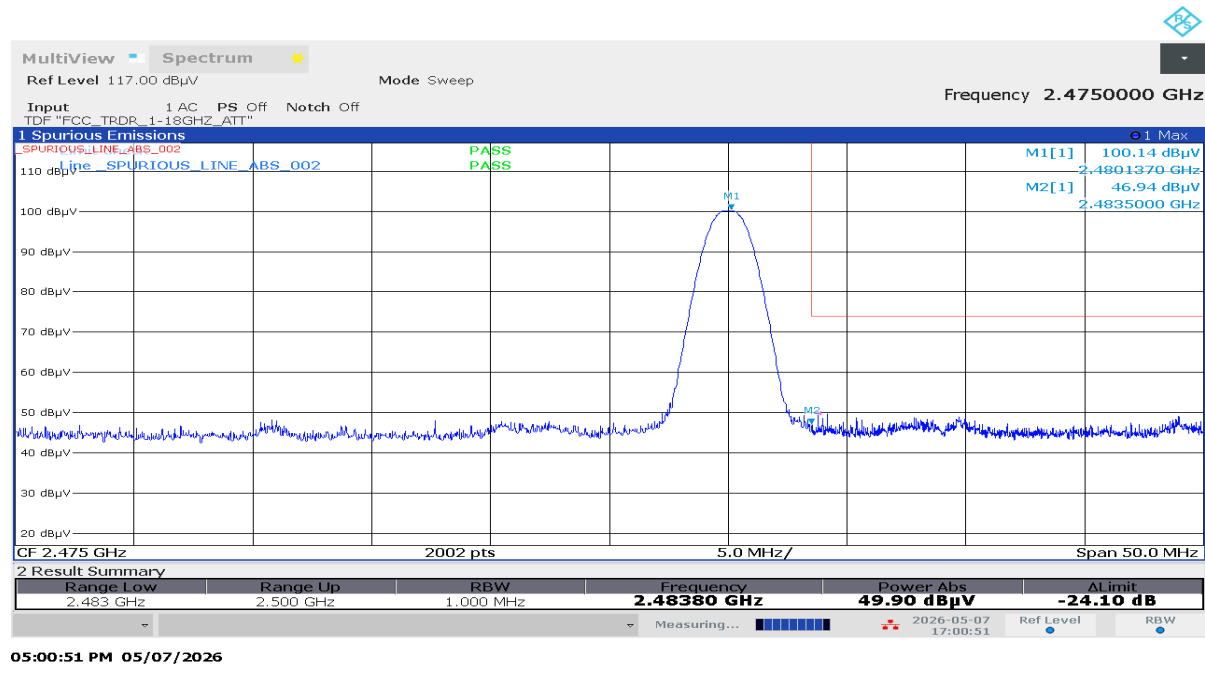
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

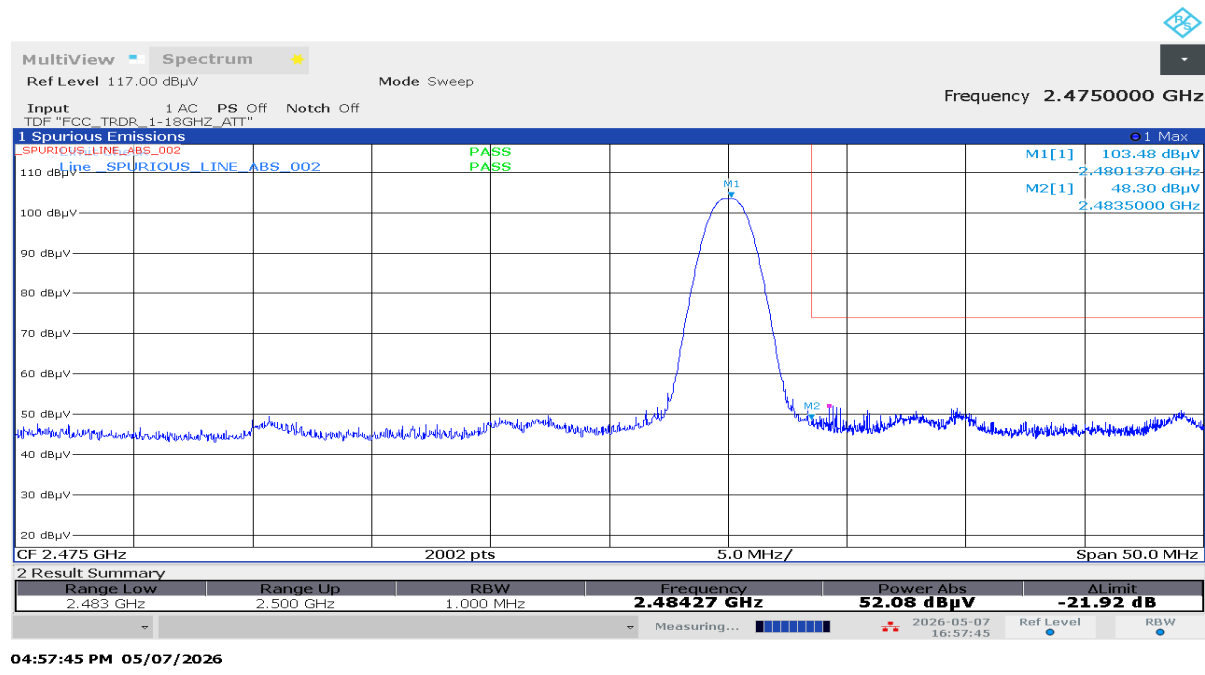
1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.

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

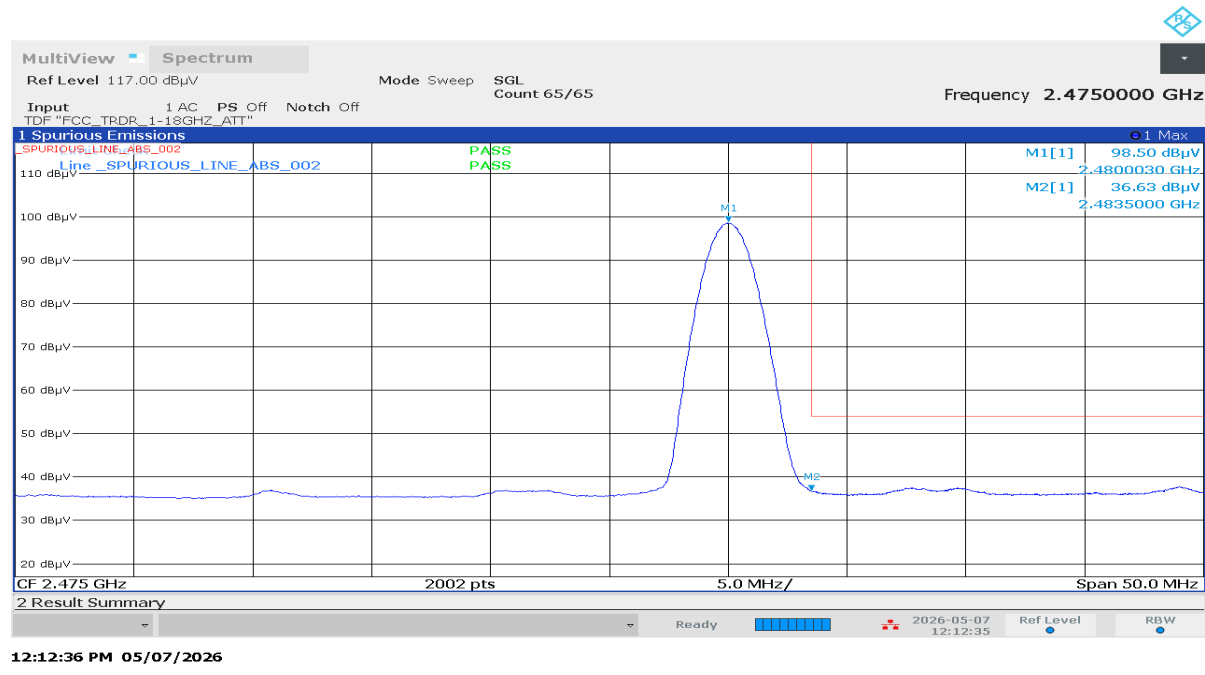
Restricted Band Edge (Peak,Horizontal)



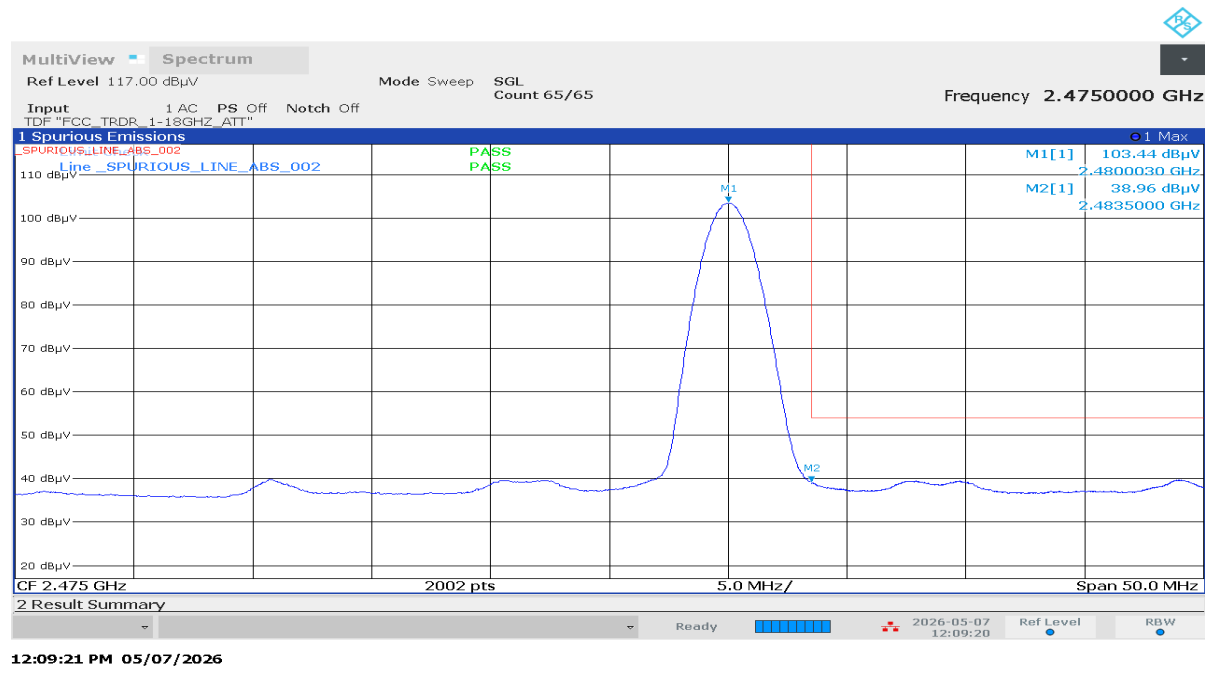
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1,
PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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)
Horizontal	Peak	2310.2000	48.74 *	74.00	25.26
Vertical	Peak	2310.2800	52.07 *	74.00	21.93
Vertical	Average	2390.0000	37.07	54.00	16.93
Horizontal	Average	2390.0000	35.32	54.00	18.68
Vertical	Peak	2390.0000	47.59 *	74.00	26.41
Horizontal	Peak	2390.0000	45.99 *	74.00	28.01

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

Remarks:

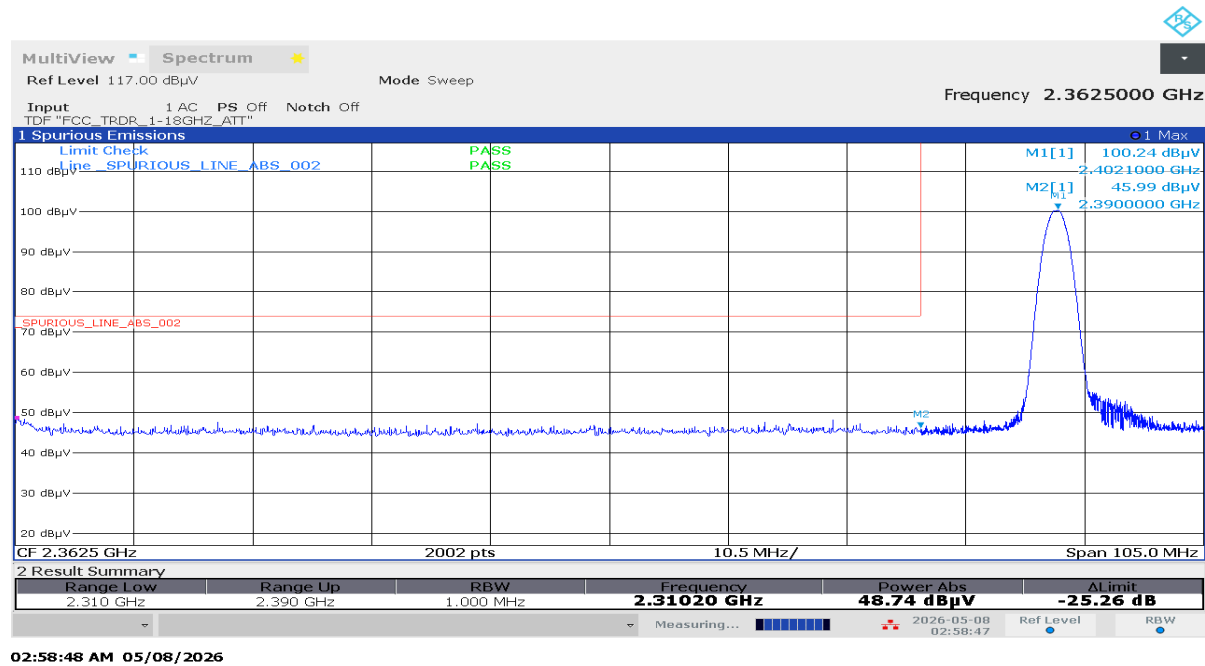
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

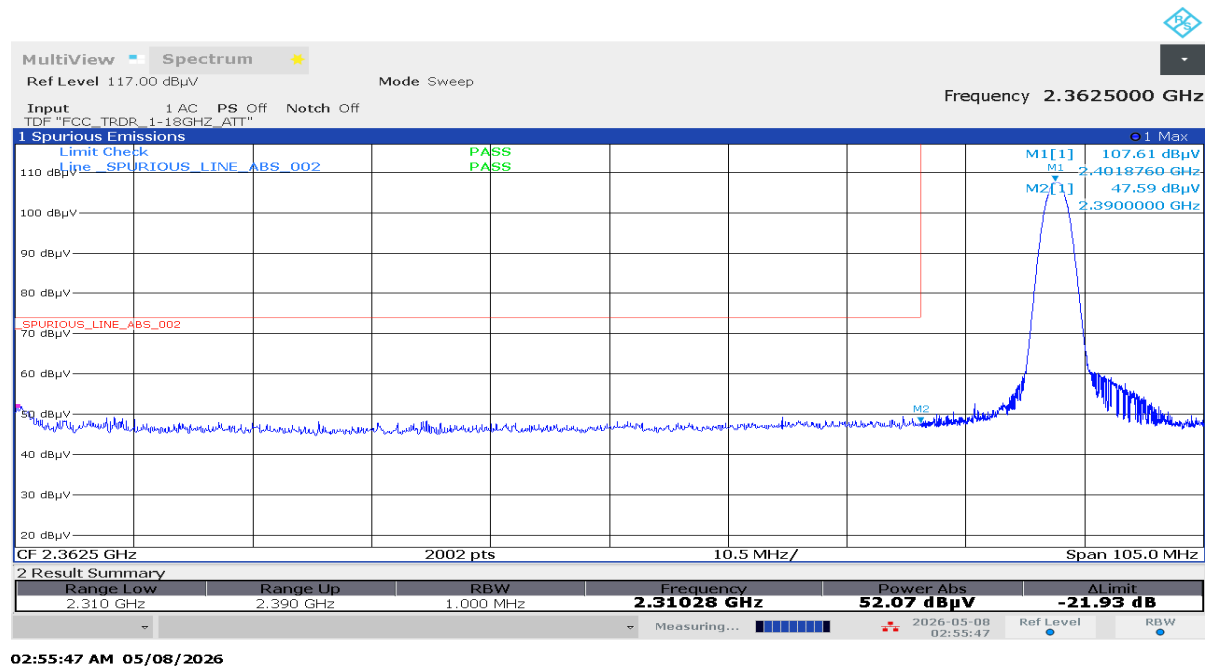
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



12:40:45 PM 05/07/2026

Restricted Band Edge (Average,Vertical)



12:37:23 PM 05/07/2026

SAC TX Restricted Band-edge : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : BT - PI/4-DQPSK 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	40.86	54.00	13.14
Horizontal	Average	2483.5000	36.44	54.00	17.56
Vertical	Peak	2483.5000	45.79 *	74.00	28.21
Horizontal	Peak	2483.5000	48.30 *	74.00	25.70
Vertical	Peak	2483.6240	51.58 *	74.00	22.42
Horizontal	Peak	2483.9370	51.72 *	74.00	22.28
Vertical	Peak	2484.0850	50.59 *	74.00	23.41
Vertical	Peak	2485.1400	49.20 *	74.00	24.80
Horizontal	Peak	2486.2440	48.95 *	74.00	25.05
Vertical	Peak	2488.6020	46.66 *	74.00	27.34
Vertical	Peak	2489.7390	46.48 *	74.00	27.52
Horizontal	Peak	2489.7720	46.92 *	74.00	27.08
Horizontal	Peak	2496.2330	47.19 *	74.00	26.81
Vertical	Peak	2498.8870	47.37 *	74.00	26.63

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

Remarks:

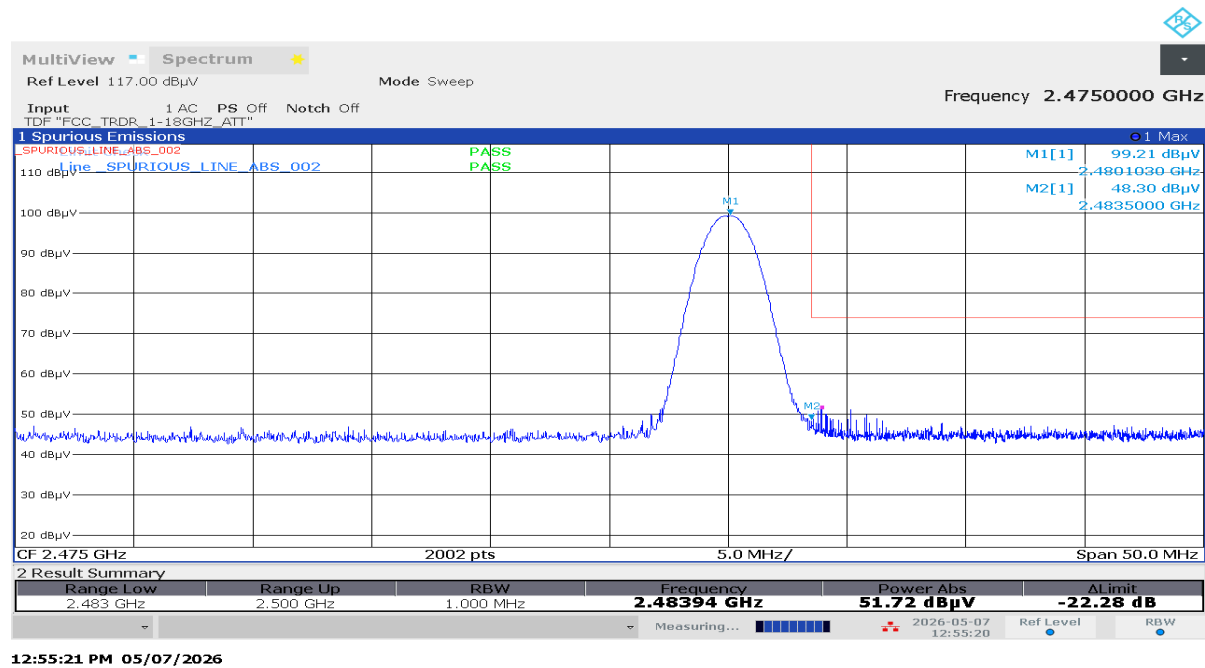
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

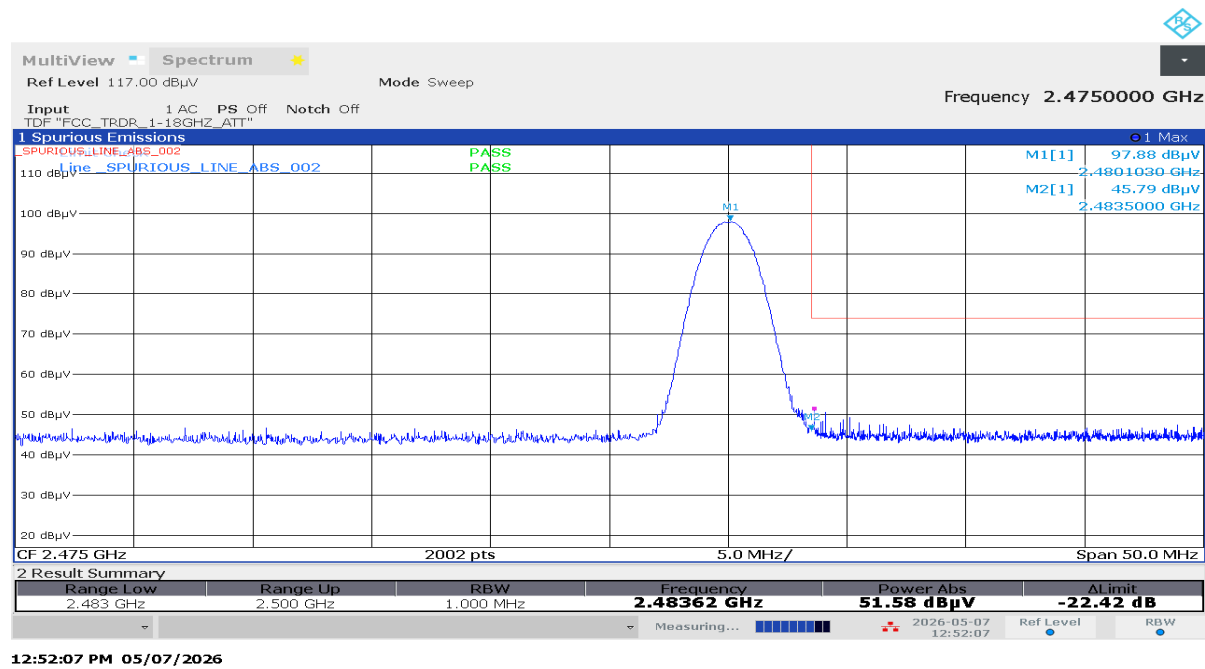
NOTE :

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

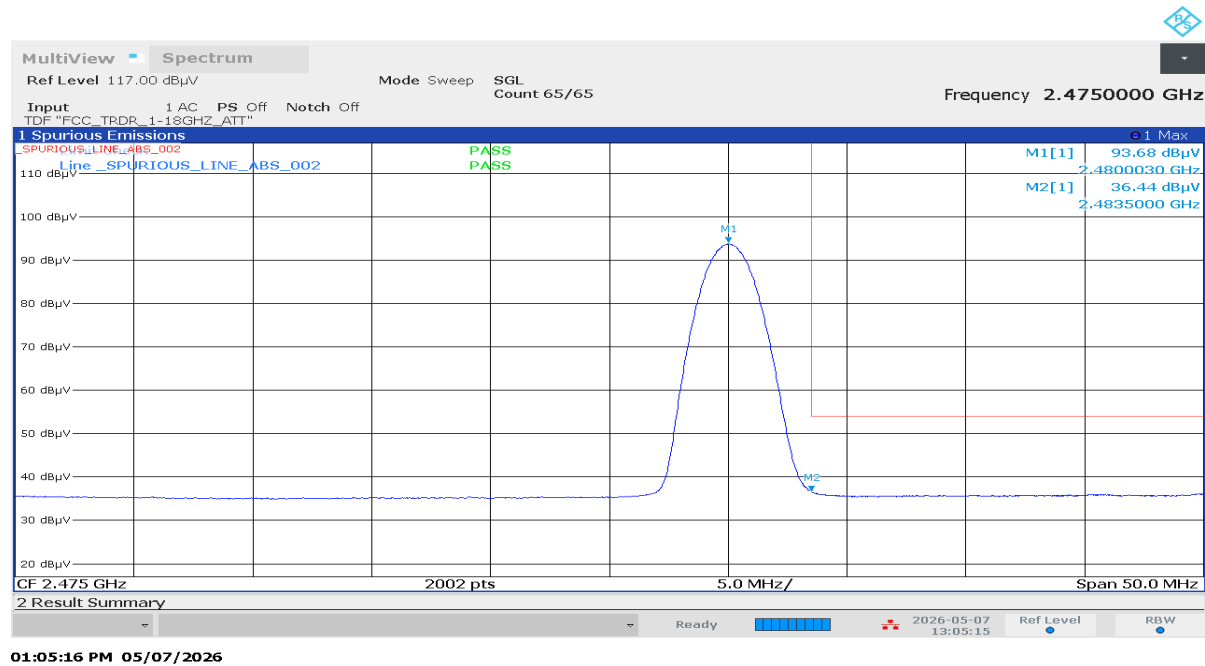
Restricted Band Edge (Peak,Horizontal)



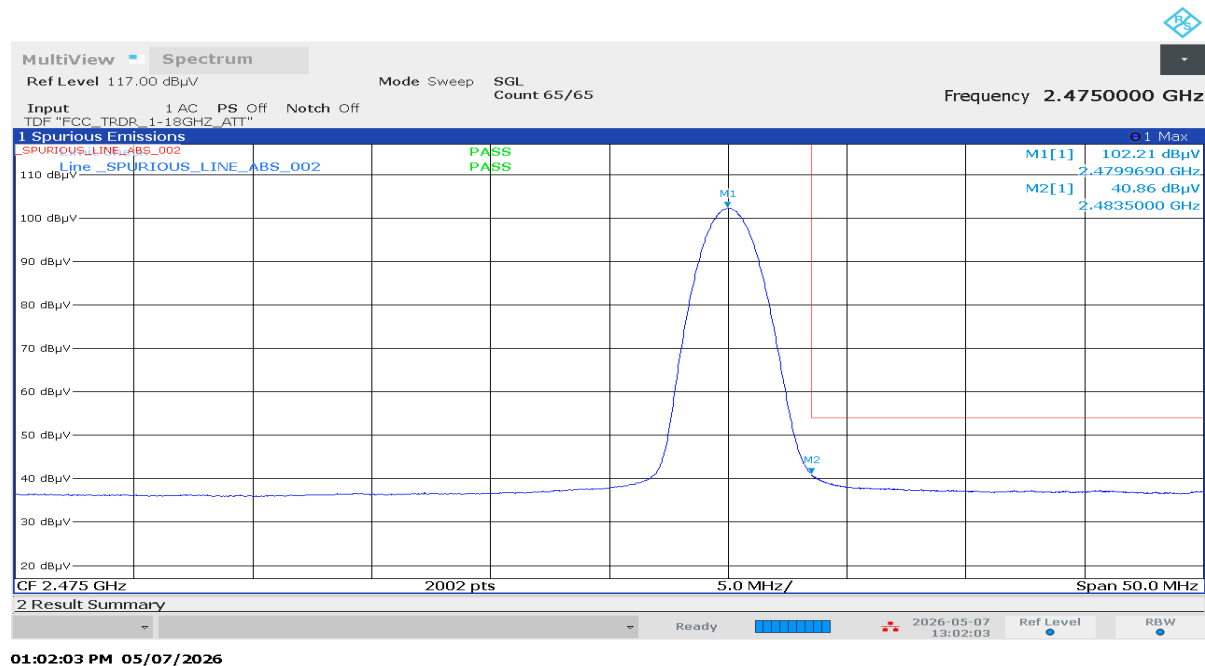
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Restricted Band-edge : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1,
PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	2310.5200	52.36 *	74.00	21.64
Horizontal	Peak	2310.5200	49.22 *	74.00	24.78
Vertical	Average	2390.0000	37.02	54.00	16.98
Horizontal	Average	2390.0000	35.45	54.00	18.55
Vertical	Peak	2390.0000	47.92 *	74.00	26.08
Horizontal	Peak	2390.0000	45.58 *	74.00	28.42

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

Remarks:

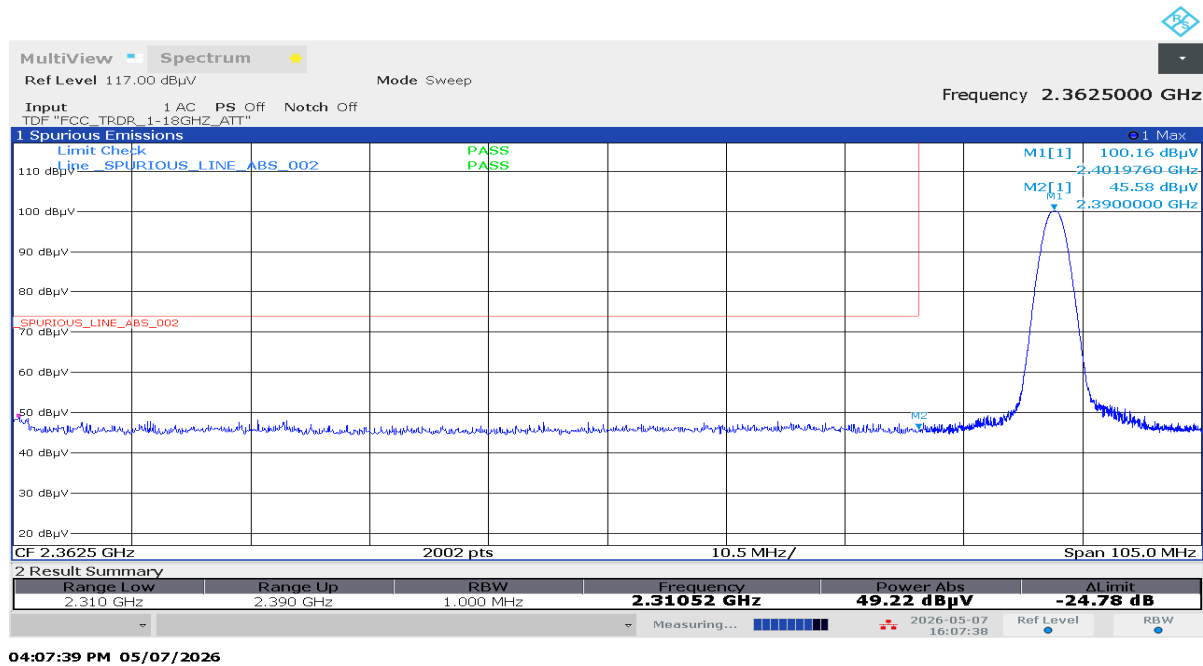
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

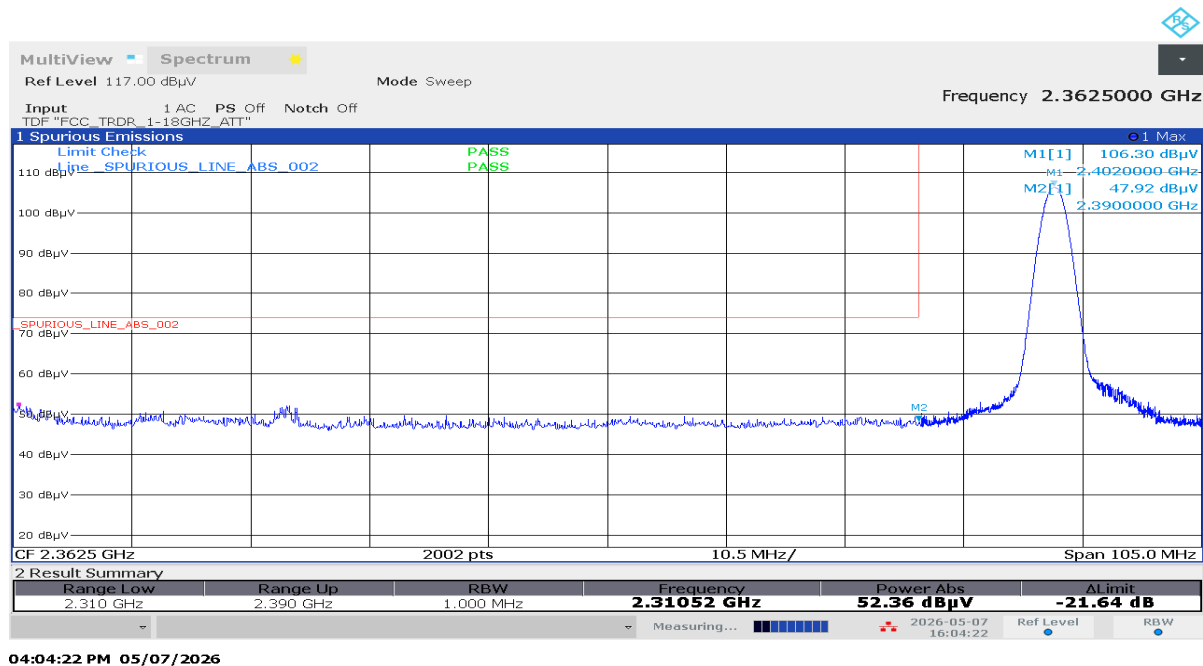
NOTE :

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

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



04:15:35 PM 05/07/2026

Restricted Band Edge (Average,Vertical)



04:12:11 PM 05/07/2026

SAC TX Restricted Band-edge : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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	41.34	54.00	12.66
Horizontal	Average	2483.5000	39.18	54.00	14.82
Vertical	Peak	2483.5000	54.14	74.00	19.86
Horizontal	Peak	2483.5000	47.85 *	74.00	26.15
Horizontal	Peak	2483.6070	51.98 *	74.00	22.02
Vertical	Peak	2483.9530	55.34	74.00	18.66
Vertical	Peak	2485.4370	53.82 *	74.00	20.18
Vertical	Peak	2485.8820	53.29 *	74.00	20.71
Horizontal	Peak	2486.0140	49.66 *	74.00	24.34
Horizontal	Peak	2486.6240	49.40 *	74.00	24.60
Vertical	Peak	2487.2670	52.05 *	74.00	21.95
Horizontal	Peak	2488.3710	45.10 *	74.00	28.90
Horizontal	Peak	2489.9040	47.03 *	74.00	26.97
Horizontal	Peak	2490.8270	47.06 *	74.00	26.94

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

Remarks:

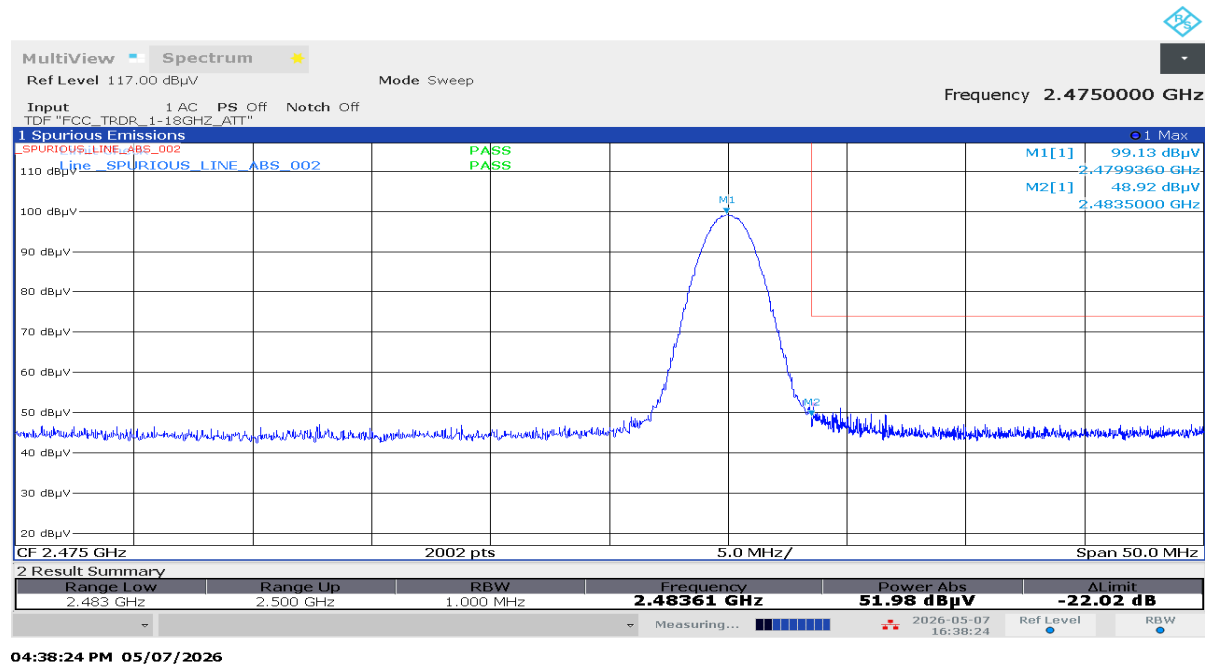
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

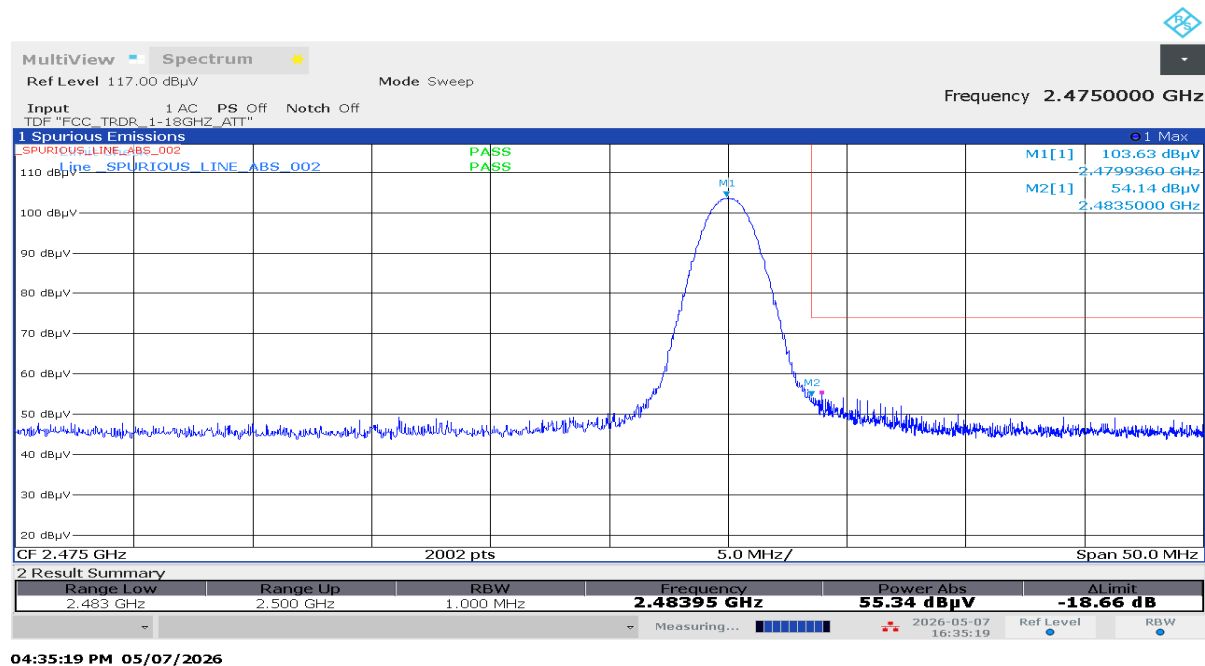
NOTE :

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

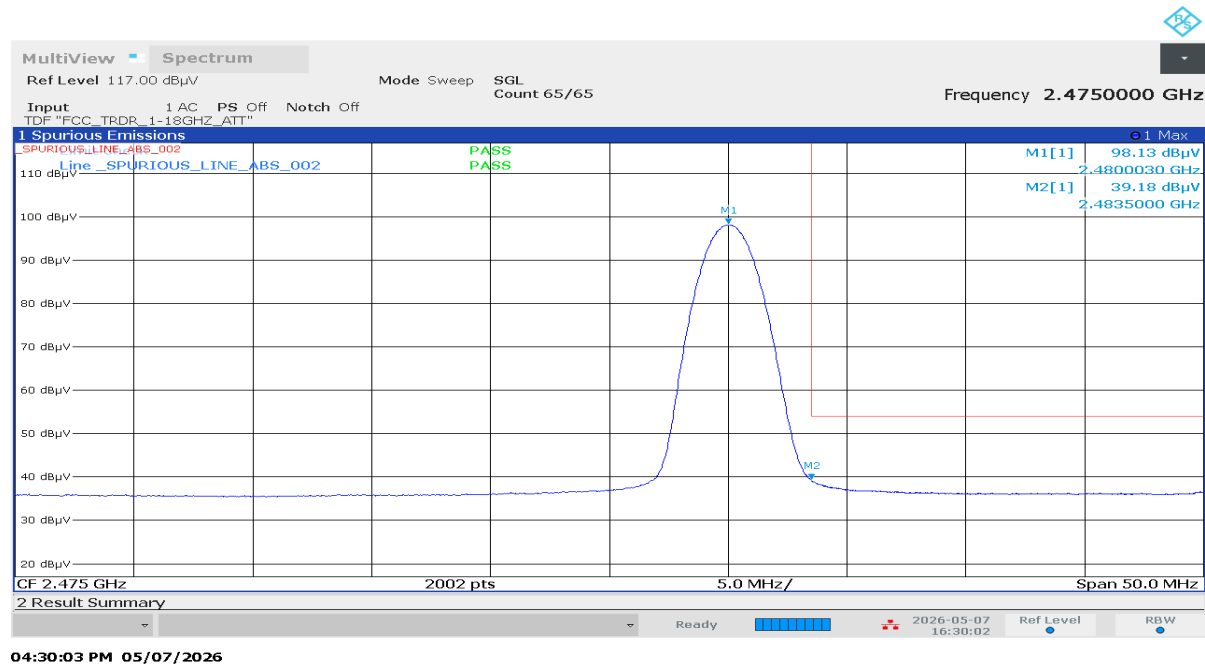
Restricted Band Edge (Peak,Horizontal)



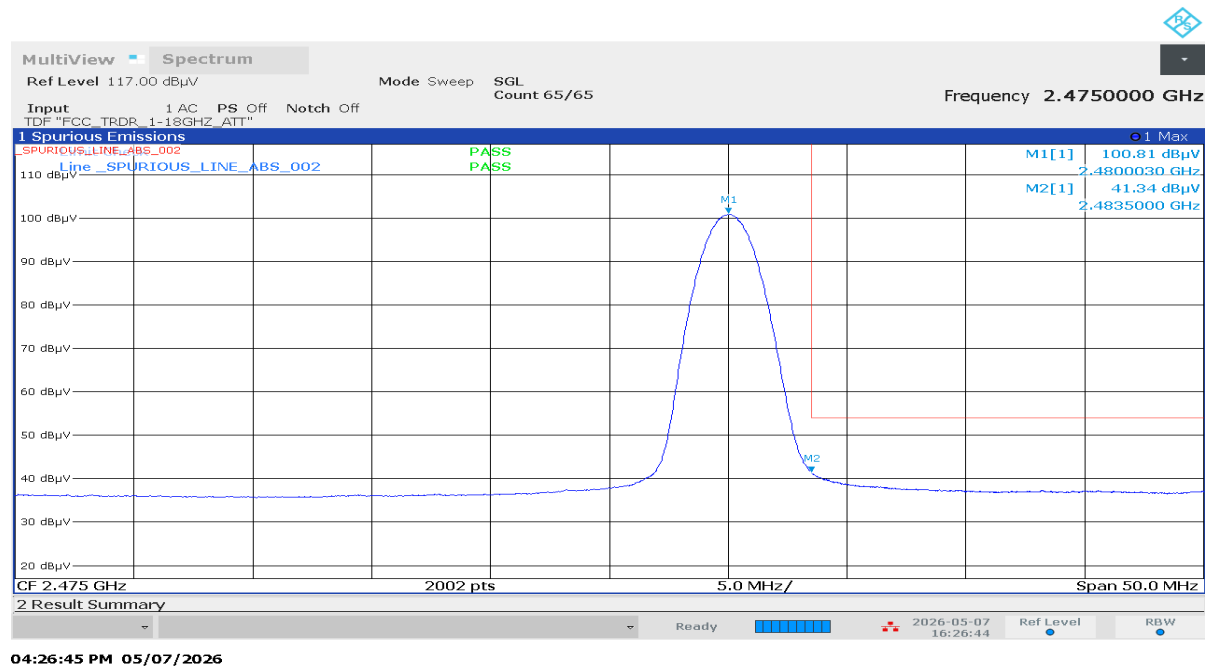
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.2110	34.25 *	105.82	85.82	51.57
Vertical	Peak	77.2260	27.15 *	105.82	85.82	58.67
Horizontal	Peak	148.1020	32.91 *	105.82	85.82	52.91
Vertical	Peak	148.2169	25.49 *	105.82	85.82	60.33
Horizontal	Peak	226.9010	29.43 *	105.82	85.82	56.39
Vertical	Peak	226.9120	18.94 *	105.82	85.82	66.88
Horizontal	Quasi-Peak	409.9780	17.84 *	-	46.00	28.16
Vertical	Peak	410.0030	34.16 *	105.82	85.82	51.66
Horizontal	Peak	501.6159	34.51 *	105.82	85.82	51.31
Vertical	Peak	501.6239	29.47 *	105.82	85.82	56.35
Horizontal	Peak	900.0360	33.65 *	105.82	85.82	52.17
Vertical	Peak	900.0819	29.97 *	105.82	85.82	55.85
Horizontal	Peak	4804.3490	44.37 *	-	74.00	29.63
Horizontal	Average	4804.3490	32.66 *	-	54.00	21.34
Vertical	Peak	4804.4400	47.92 *	-	74.00	26.08
Vertical	Average	4804.4400	42.48	-	54.00	11.52

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

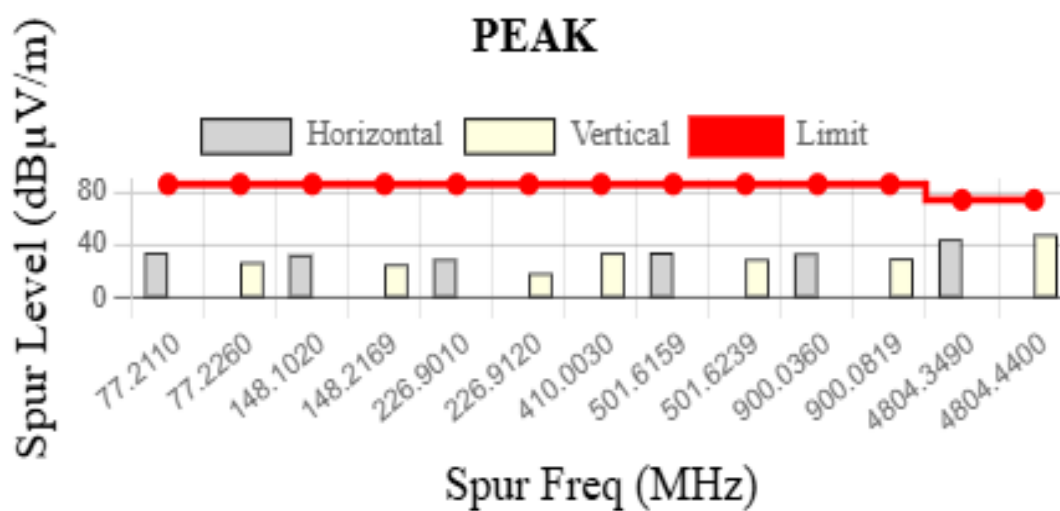
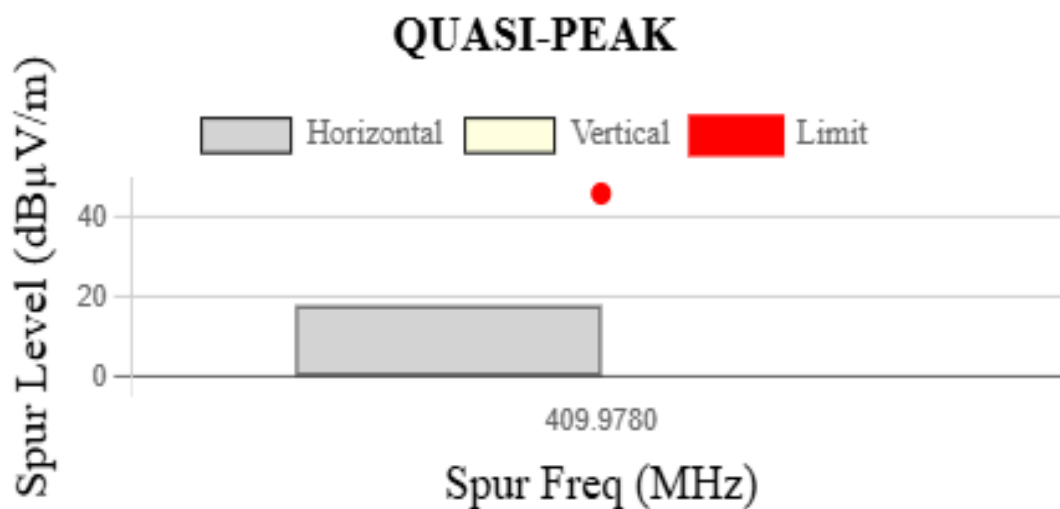
Remarks:

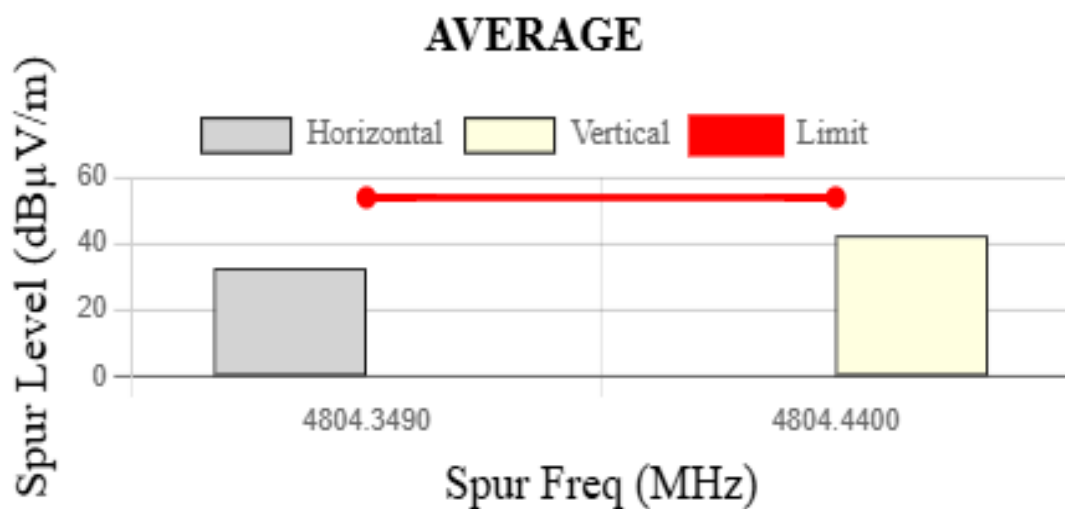
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

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





SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	77.1970	27.46 *	105.82	85.82	58.37
Horizontal	Peak	77.2110	34.35 *	105.82	85.82	51.47
Vertical	Peak	140.1723	25.88 *	105.82	85.82	59.94
Horizontal	Peak	140.2992	28.14 *	105.82	85.82	57.68
Vertical	Peak	148.0810	26.73 *	105.82	85.82	59.10
Horizontal	Peak	148.1250	32.67 *	105.82	85.82	53.15
Vertical	Peak	223.4000	21.23 *	105.82	85.82	64.59
Horizontal	Peak	223.4720	31.34 *	105.82	85.82	54.48
Horizontal	Peak	501.5920	33.53 *	105.82	85.82	52.29
Vertical	Peak	501.6040	32.55 *	105.82	85.82	53.27
Horizontal	Peak	900.0350	33.46 *	105.82	85.82	52.36
Vertical	Peak	900.0440	29.51 *	105.82	85.82	56.31
Horizontal	Peak	4881.5090	48.06 *	-	74.00	25.94
Horizontal	Average	4881.5090	41.94	-	54.00	12.06
Vertical	Peak	4882.3220	50.02 *	-	74.00	23.98
Vertical	Average	4882.3220	44.70	-	54.00	9.30

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

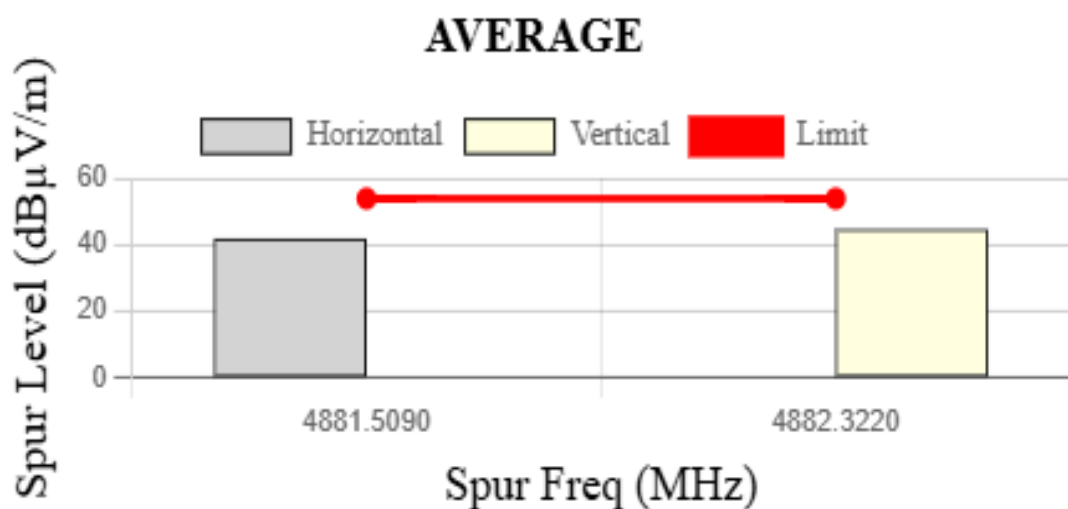
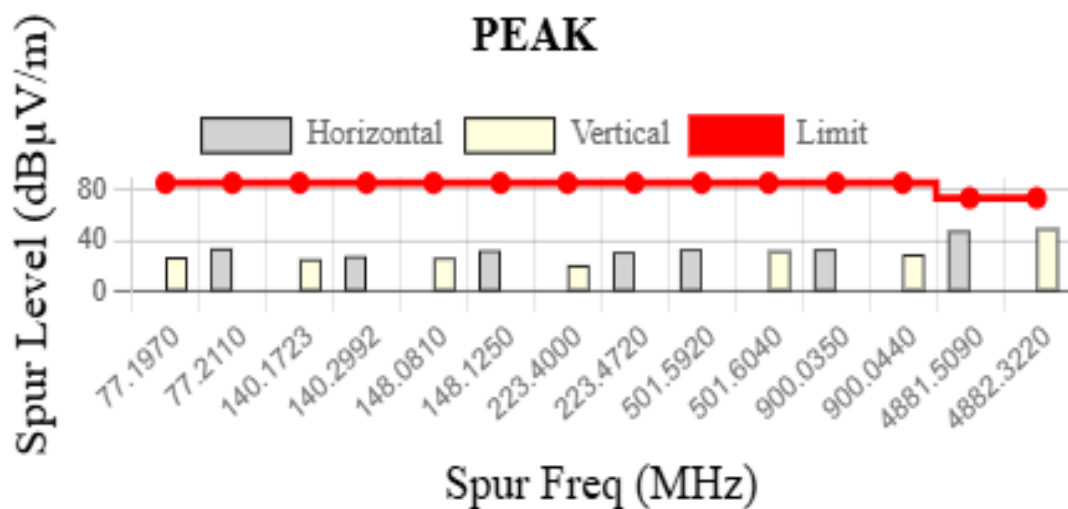
Remarks:

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

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

NOTE :

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



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.2010	34.23 *	105.82	85.82	51.59
Vertical	Peak	77.2080	27.40 *	105.82	85.82	58.42
Vertical	Peak	148.1000	27.16 *	105.82	85.82	58.66
Horizontal	Peak	148.1080	32.71 *	105.82	85.82	53.11
Vertical	Peak	199.9850	24.96 *	105.82	85.82	60.86
Horizontal	Peak	200.0070	29.81 *	105.82	85.82	56.01
Horizontal	Peak	223.4280	31.74 *	105.82	85.82	54.08
Vertical	Peak	223.4410	21.79 *	105.82	85.82	64.03
Vertical	Peak	226.8890	23.84 *	105.82	85.82	61.99
Horizontal	Peak	226.9020	30.71 *	105.82	85.82	55.12
Vertical	Peak	501.5910	31.13 *	105.82	85.82	54.69
Horizontal	Peak	501.6040	34.44 *	105.82	85.82	51.38
Vertical	Peak	900.0030	30.15 *	105.82	85.82	55.67
Horizontal	Peak	900.0340	33.90 *	105.82	85.82	51.92
Vertical	Peak	4959.7940	48.91 *	-	74.00	25.09
Vertical	Average	4959.7940	43.27	-	54.00	10.73
Horizontal	Peak	4960.0690	48.92 *	-	74.00	25.08
Horizontal	Average	4960.0690	43.54	-	54.00	10.46

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

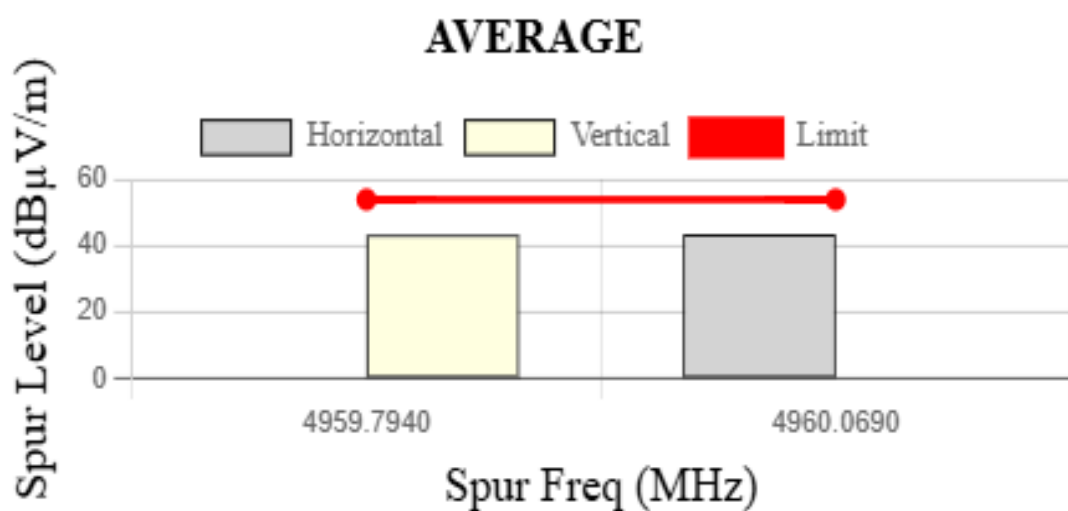
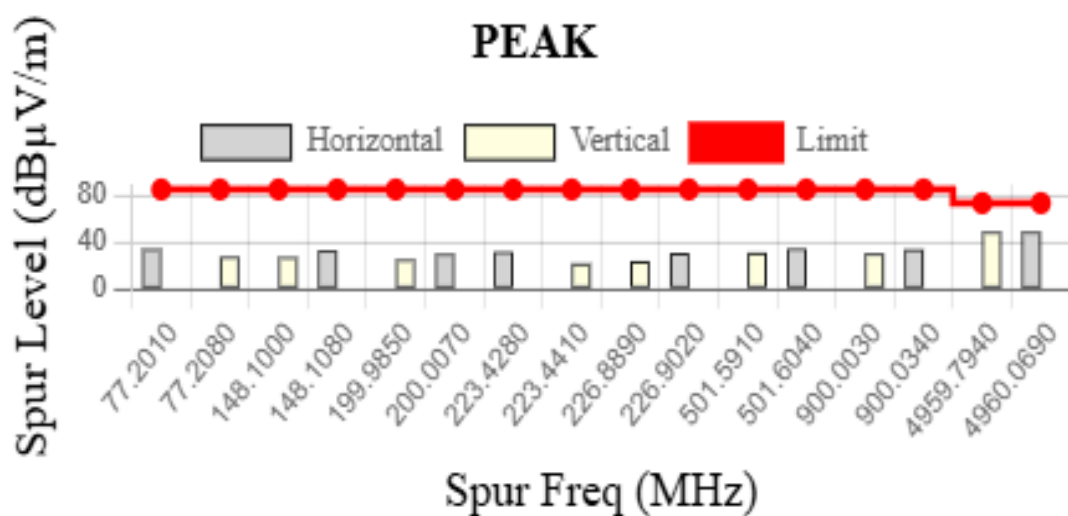
Remarks:

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

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

NOTE :

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



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : BT - PI/4-DQPSK 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.2010	34.38 *	105.82	85.82	51.44
Vertical	Peak	77.2070	27.58 *	105.82	85.82	58.24
Horizontal	Peak	140.6759	28.38 *	105.82	85.82	57.44
Vertical	Peak	141.0745	29.14 *	105.82	85.82	56.68
Horizontal	Peak	148.1010	33.25 *	105.82	85.82	52.57
Vertical	Peak	148.1320	27.94 *	105.82	85.82	57.88
Horizontal	Peak	223.4190	31.38 *	105.82	85.82	54.45
Vertical	Peak	223.6188	22.03 *	105.82	85.82	63.79
Horizontal	Peak	226.9020	30.18 *	105.82	85.82	55.64
Vertical	Peak	226.9240	23.70 *	105.82	85.82	62.13
Vertical	Peak	501.5990	30.06 *	105.82	85.82	55.76
Horizontal	Peak	501.6069	34.24 *	105.82	85.82	51.58
Horizontal	Peak	900.0290	33.69 *	105.82	85.82	52.13
Vertical	Peak	900.0340	30.03 *	105.82	85.82	55.79
Horizontal	Peak	4803.8310	46.40 *	-	74.00	27.60
Horizontal	Average	4803.8310	37.25	-	54.00	16.75
Vertical	Peak	4803.8370	48.14 *	-	74.00	25.86
Vertical	Average	4803.8370	39.52	-	54.00	14.48

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

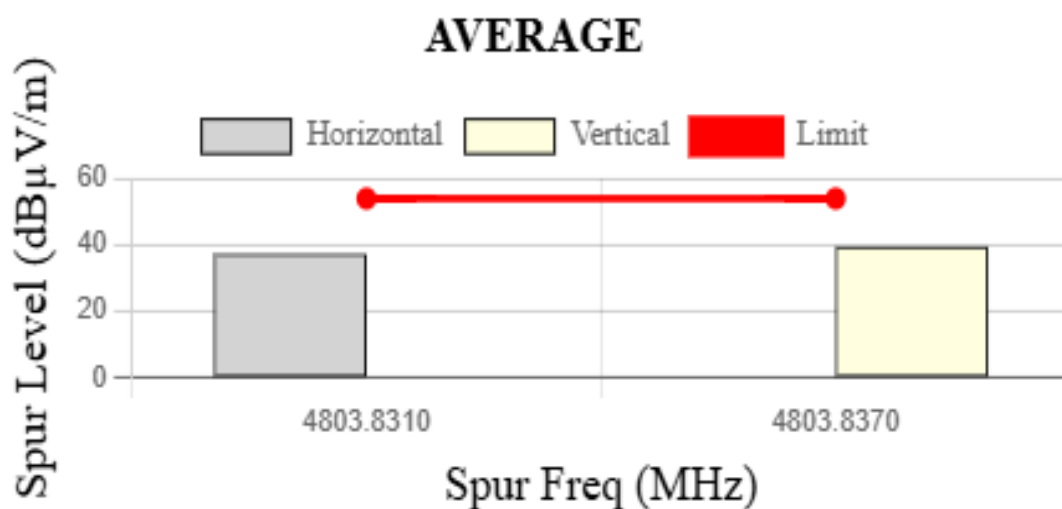
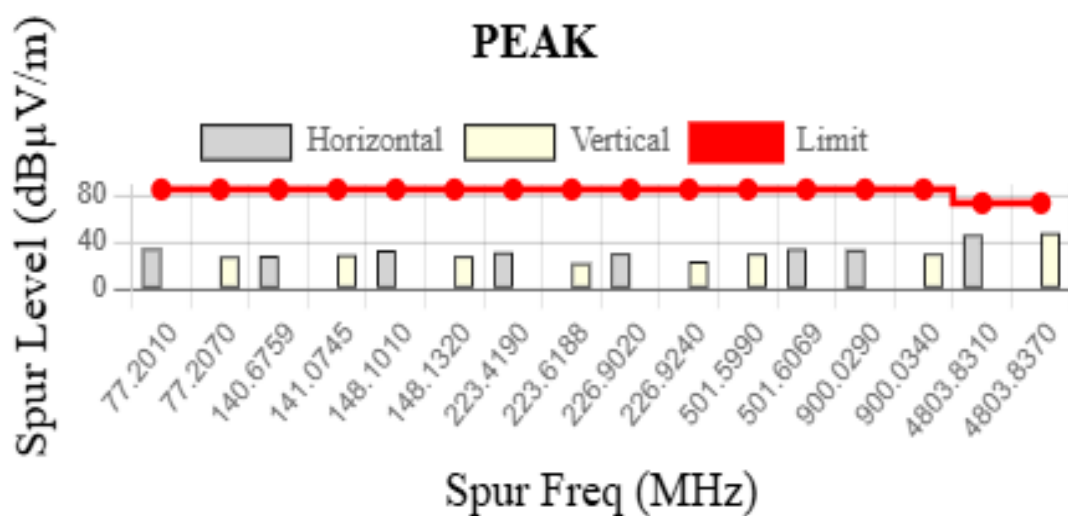
Remarks:

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

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

NOTE :

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



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : BT - PI/4-DQPSK Channel SP/Bandwidth (kHz) : 1000.0000
Test Frequency (MHz) : 2441.0000 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)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.2040	34.35 *	105.82	85.82	51.47
Vertical	Peak	77.2130	27.62 *	105.82	85.82	58.20
Horizontal	Peak	148.1020	32.98 *	105.82	85.82	52.84
Vertical	Peak	148.1460	26.97 *	105.82	85.82	58.86
Horizontal	Peak	223.4839	31.29 *	105.82	85.82	54.53
Vertical	Peak	223.5049	21.60 *	105.82	85.82	64.22
Vertical	Peak	501.6030	29.68 *	105.82	85.82	56.14
Horizontal	Peak	501.6119	34.16 *	105.82	85.82	51.66
Vertical	Peak	900.0470	30.50 *	105.82	85.82	55.32
Horizontal	Peak	900.0520	33.70 *	105.82	85.82	52.12
Vertical	Peak	4882.1850	50.29 *	-	74.00	23.71
Vertical	Average	4882.1850	39.40	-	54.00	14.60
Horizontal	Peak	4882.4040	48.66 *	-	74.00	25.34
Horizontal	Average	4882.4040	41.37	-	54.00	12.63

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

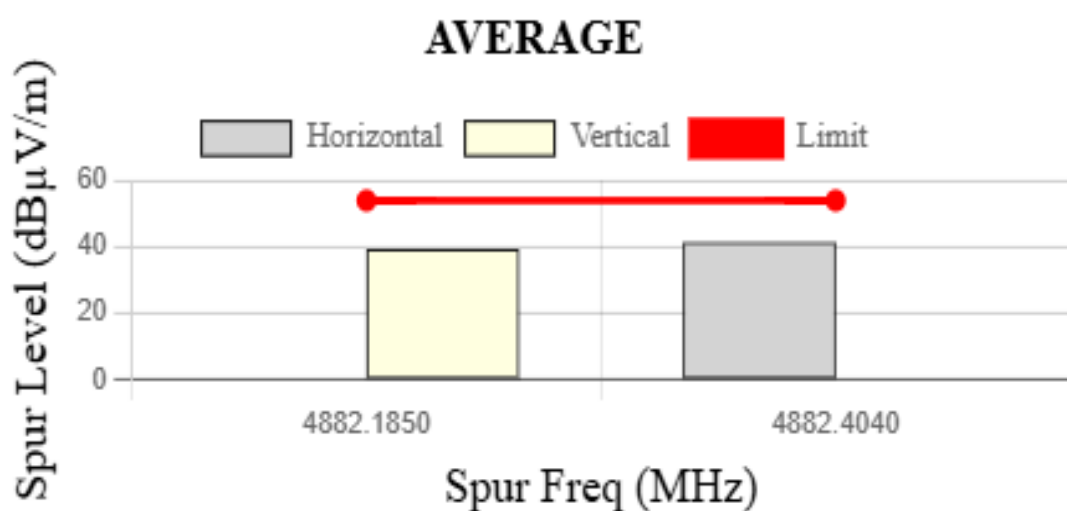
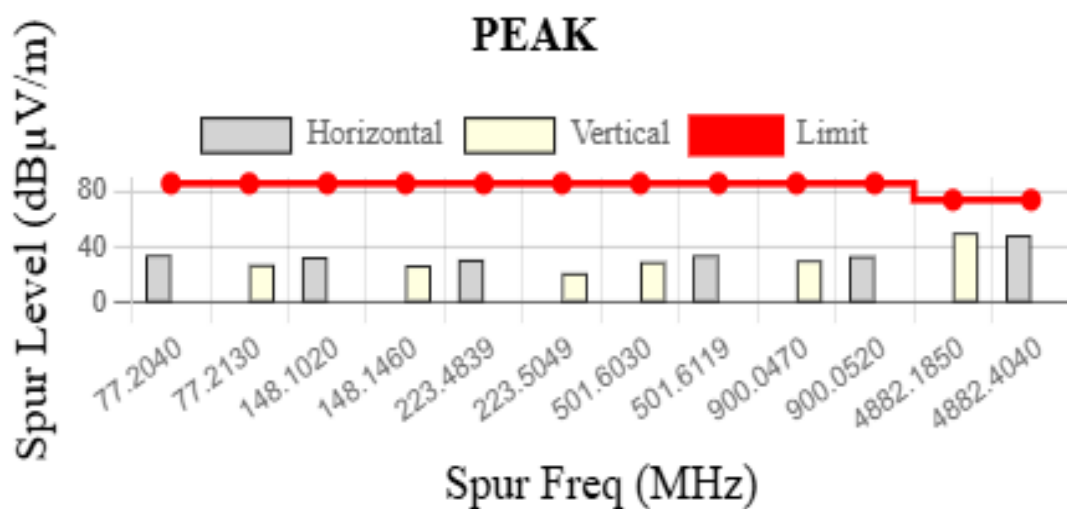
Remarks:

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

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

NOTE :

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



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.1880	34.33 *	105.82	85.82	51.49
Vertical	Peak	77.1940	27.48 *	105.82	85.82	58.34
Horizontal	Peak	143.2960	29.87 *	105.82	85.82	55.95
Vertical	Peak	143.3199	25.66 *	105.82	85.82	60.17
Vertical	Peak	148.0940	27.34 *	105.82	85.82	58.49
Horizontal	Peak	148.1230	33.31 *	105.82	85.82	52.51
Vertical	Peak	223.4969	21.56 *	105.82	85.82	64.26
Horizontal	Peak	223.5039	30.88 *	105.82	85.82	54.94
Vertical	Peak	501.6050	31.33 *	105.82	85.82	54.49
Horizontal	Peak	501.6109	34.13 *	105.82	85.82	51.69
Vertical	Peak	900.0370	30.44 *	105.82	85.82	55.38
Horizontal	Peak	900.0540	33.98 *	105.82	85.82	51.84
Vertical	Peak	4960.4000	49.28 *	-	74.00	24.72
Vertical	Average	4960.4000	41.00	-	54.00	13.00
Horizontal	Peak	4960.4060	49.16 *	-	74.00	24.84
Horizontal	Average	4960.4060	40.87	-	54.00	13.13

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

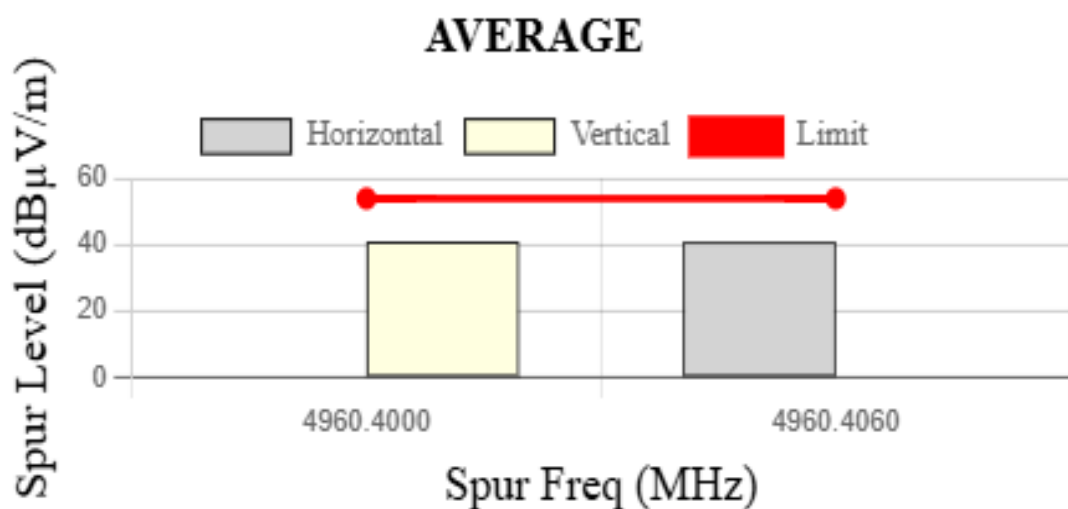
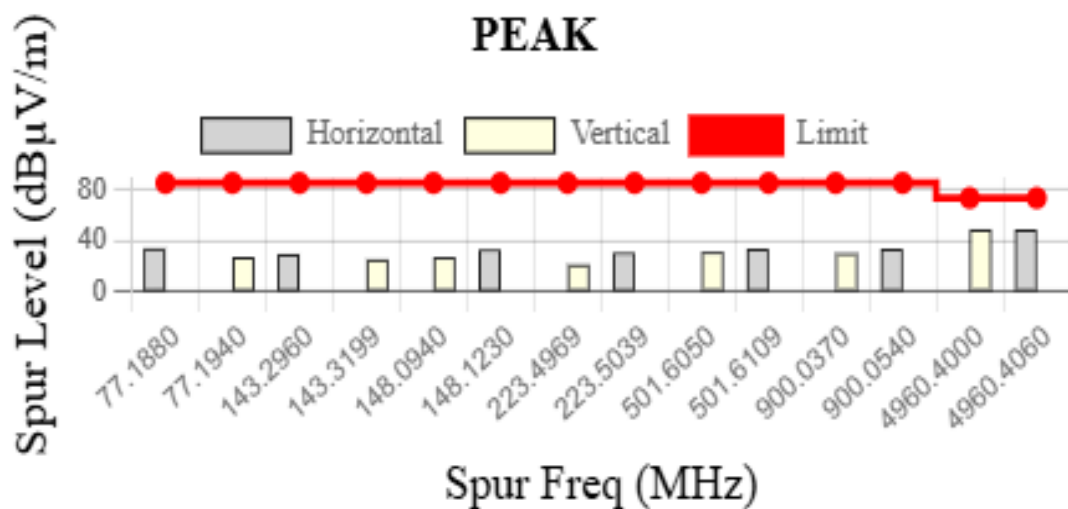
Remarks:

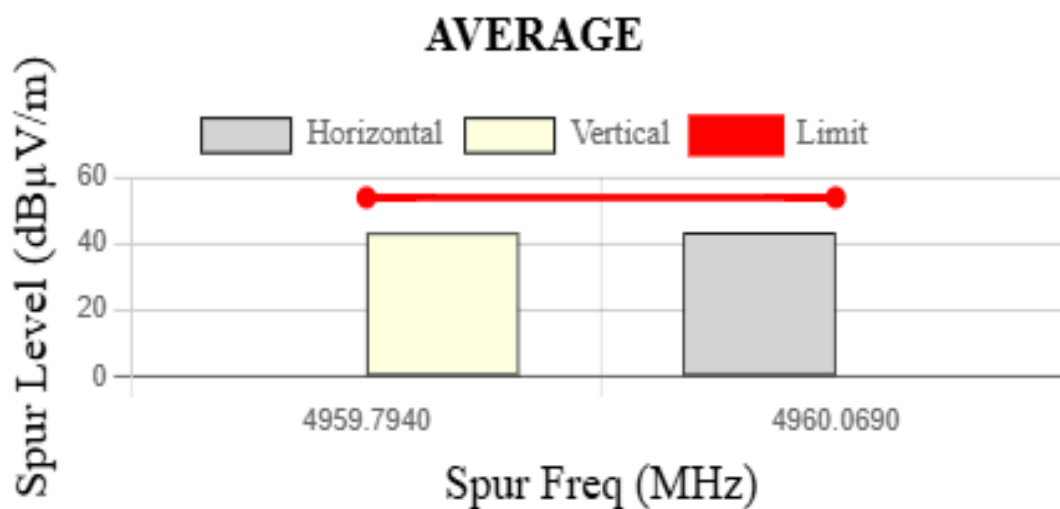
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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

NOTE :

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





SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	77.1940	34.34 *	105.82	85.82	51.48
Vertical	Peak	77.2150	27.81 *	105.82	85.82	58.02
Horizontal	Peak	142.6616	28.81 *	105.82	85.82	57.01
Vertical	Peak	142.6826	28.39 *	105.82	85.82	57.43
Horizontal	Peak	148.0970	32.22 *	105.82	85.82	53.60
Vertical	Peak	148.1120	26.67 *	105.82	85.82	59.15
Horizontal	Peak	223.4190	31.29 *	105.82	85.82	54.53
Vertical	Peak	223.4999	23.25 *	105.82	85.82	62.57
Vertical	Peak	501.5970	31.21 *	105.82	85.82	54.61
Horizontal	Peak	501.6069	33.93 *	105.82	85.82	51.90
Vertical	Peak	900.0060	29.71 *	105.82	85.82	56.11
Horizontal	Peak	900.0350	33.64 *	105.82	85.82	52.18
Vertical	Peak	4803.8490	47.84 *	-	74.00	26.16
Vertical	Average	4803.8490	39.11	-	54.00	14.89
Horizontal	Peak	4803.9250	46.27 *	-	74.00	27.73
Horizontal	Average	4803.9250	35.81	-	54.00	18.19

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 9 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

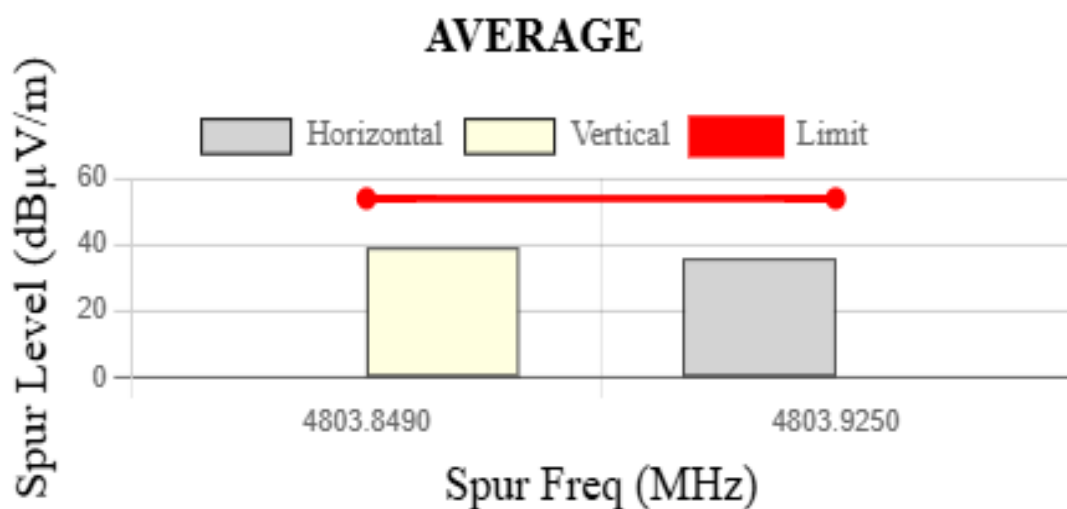
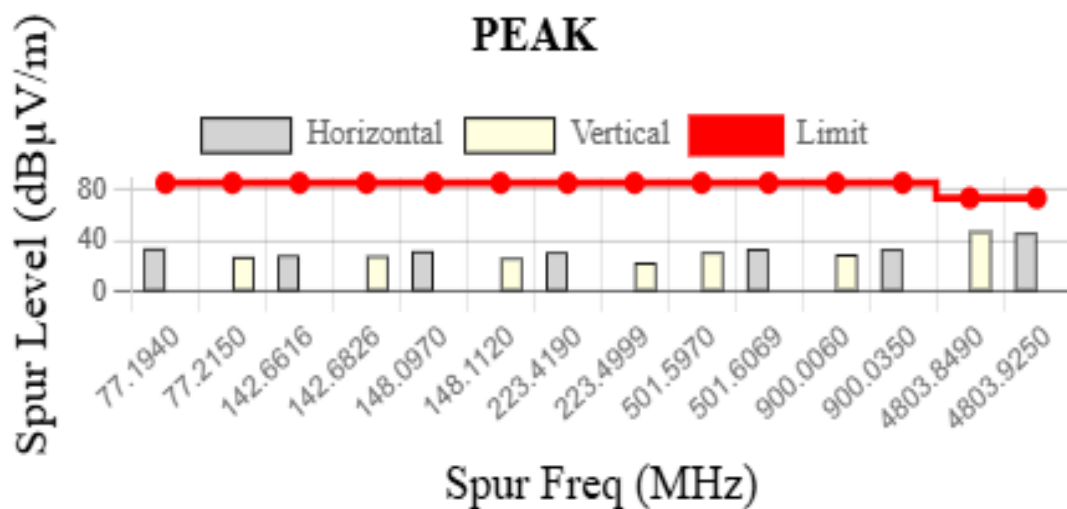
Remarks:

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

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

NOTE :

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



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	77.2100	28.67 *	105.82	85.82	57.16
Horizontal	Peak	77.2220	34.63 *	105.82	85.82	51.19
Vertical	Peak	141.0076	28.10 *	105.82	85.82	57.72
Horizontal	Peak	141.0286	28.21 *	105.82	85.82	57.62
Horizontal	Peak	148.1280	32.65 *	105.82	85.82	53.17
Vertical	Peak	148.1330	26.94 *	105.82	85.82	58.88
Vertical	Peak	223.4160	21.59 *	105.82	85.82	64.23
Horizontal	Peak	223.4490	30.43 *	105.82	85.82	55.39
Horizontal	Peak	501.5940	34.10 *	105.82	85.82	51.72
Vertical	Peak	501.6159	29.64 *	105.82	85.82	56.18
Vertical	Peak	900.0080	29.61 *	105.82	85.82	56.21
Horizontal	Peak	900.0430	33.68 *	105.82	85.82	52.14
Horizontal	Peak	4881.8760	48.55 *	-	74.00	25.45
Horizontal	Average	4881.8760	40.04	-	54.00	13.96
Vertical	Peak	4882.0550	49.32 *	-	74.00	24.68
Vertical	Average	4882.0550	41.77	-	54.00	12.23

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 9 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

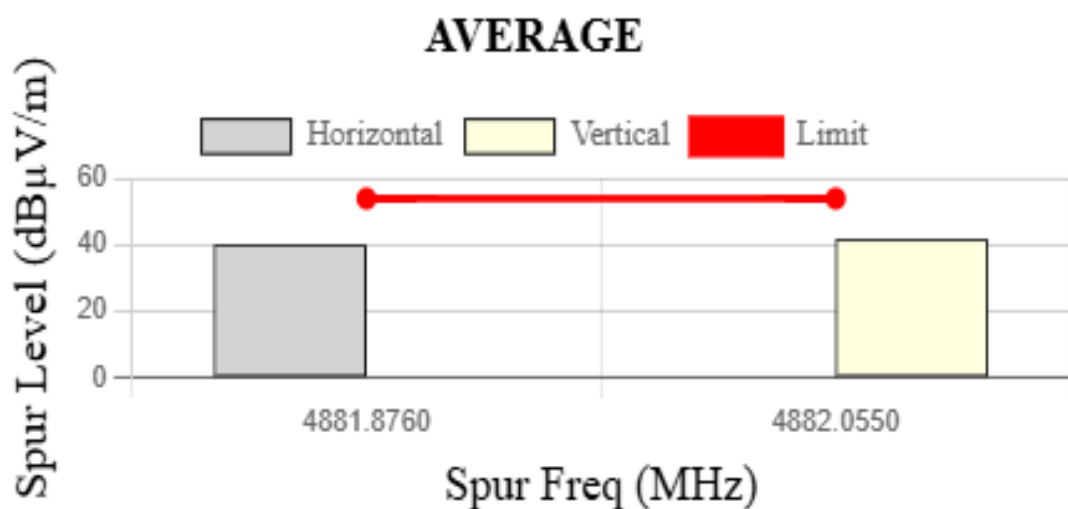
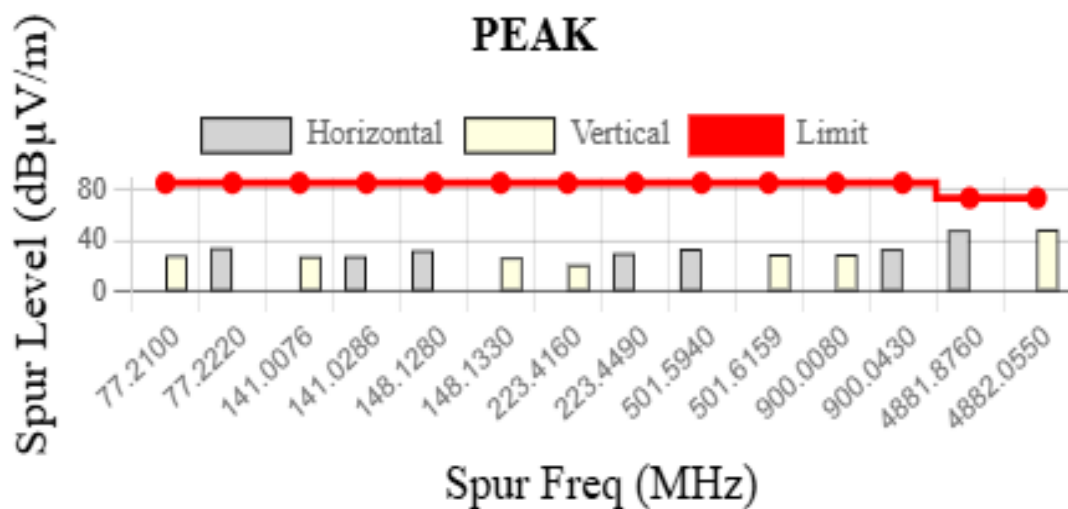
Remarks:

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

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

NOTE :

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



SAC TX Radiated Emission : 1468N00-EMC-00048

FCC ID : AZ492FT7190 IC : 109U-92FT7190
Model No : AAM29QPN9YA1AN Serial No : 008TCF1848
Battery : - Charger : -
Accessory : PMAE4032B, PMAN4013A, RMN5050A-C4, RSN4005A-CF1, PS000280A02-CF1, PMLN8805A, PMLN5072A, 3087791G01
Test Mode : 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. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Voltage (V) : 120.00

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Carrier Power (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	50.1561	27.62 *	105.82	85.82	58.20
Horizontal	Peak	50.6506	22.66 *	105.82	85.82	63.16
Horizontal	Peak	77.2090	34.40 *	105.82	85.82	51.42
Vertical	Peak	77.2100	28.37 *	105.82	85.82	57.45
Horizontal	Peak	144.6729	29.53 *	105.82	85.82	56.29
Vertical	Peak	144.7148	26.51 *	105.82	85.82	59.31
Horizontal	Peak	148.1060	32.40 *	105.82	85.82	53.42
Vertical	Peak	148.1420	28.37 *	105.82	85.82	57.45
Vertical	Peak	226.6802	22.53 *	105.82	85.82	63.29
Horizontal	Peak	226.8810	29.44 *	105.82	85.82	56.38
Vertical	Peak	501.5930	29.97 *	105.82	85.82	55.85
Horizontal	Peak	501.5990	33.89 *	105.82	85.82	51.93
Vertical	Peak	900.0080	29.88 *	105.82	85.82	55.94
Horizontal	Peak	900.0320	33.61 *	105.82	85.82	52.21
Vertical	Peak	4959.7980	49.76 *	-	74.00	24.24
Vertical	Average	4959.7980	42.84	-	54.00	11.16
Horizontal	Peak	4960.2260	48.69 *	-	74.00	25.31
Horizontal	Average	4960.2260	40.98	-	54.00	13.02

Temperature (°C) : 23.7 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Sat, 9 May, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

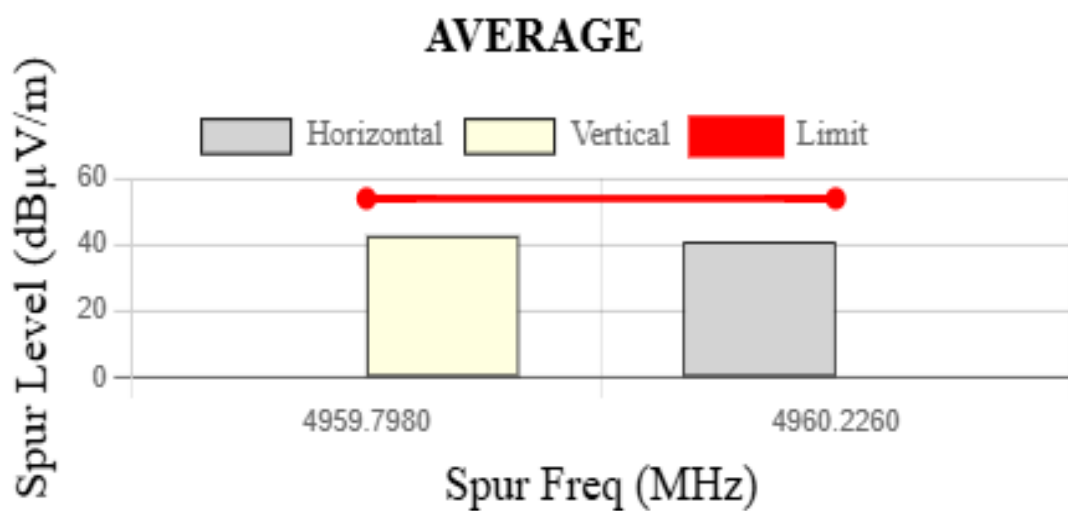
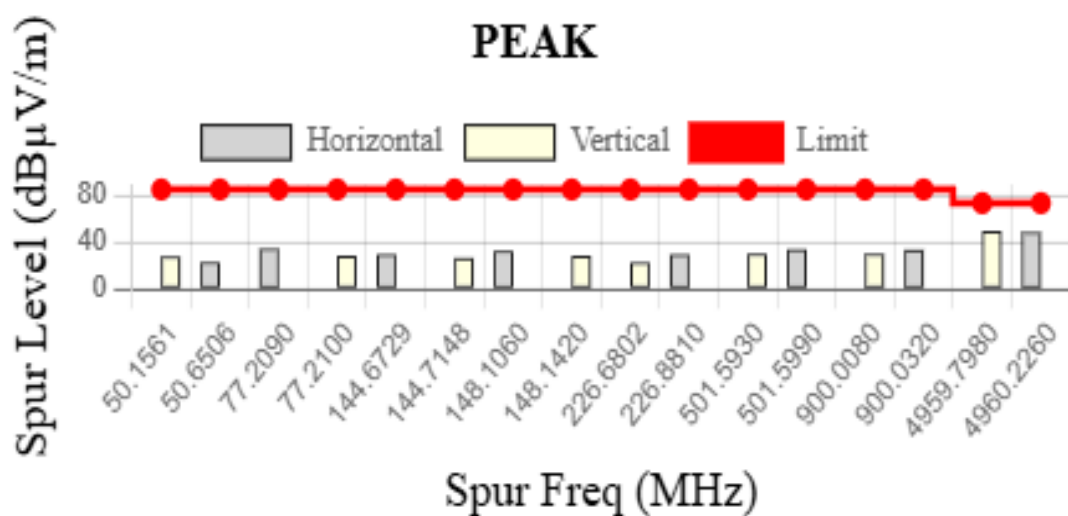
Remarks:

** 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.

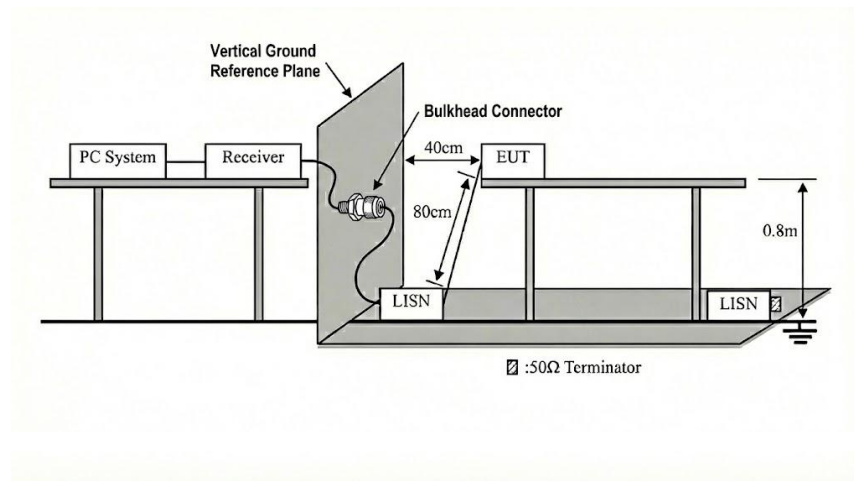
NOTE :

- 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

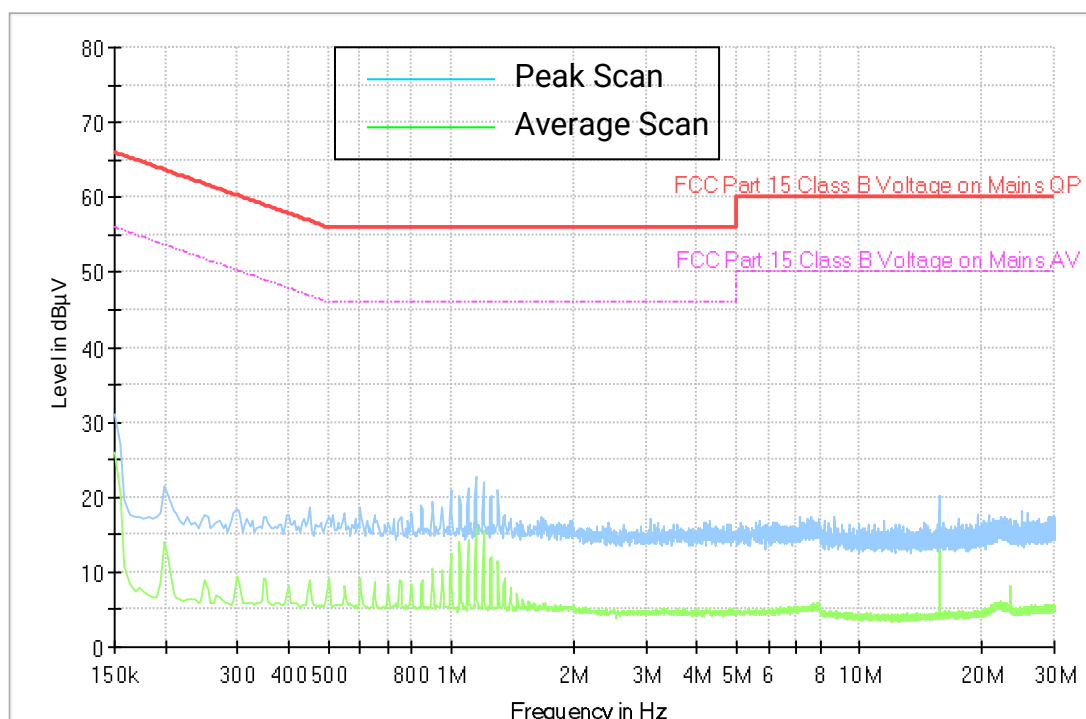
Report ID: 1468N00-EMC-00048
Temperature: 20.1 °C
Humidity: 57.2 %RH
Tester: Helmy
Date of Test: 13 May 2026

Test Data

120VAC, 50Hz

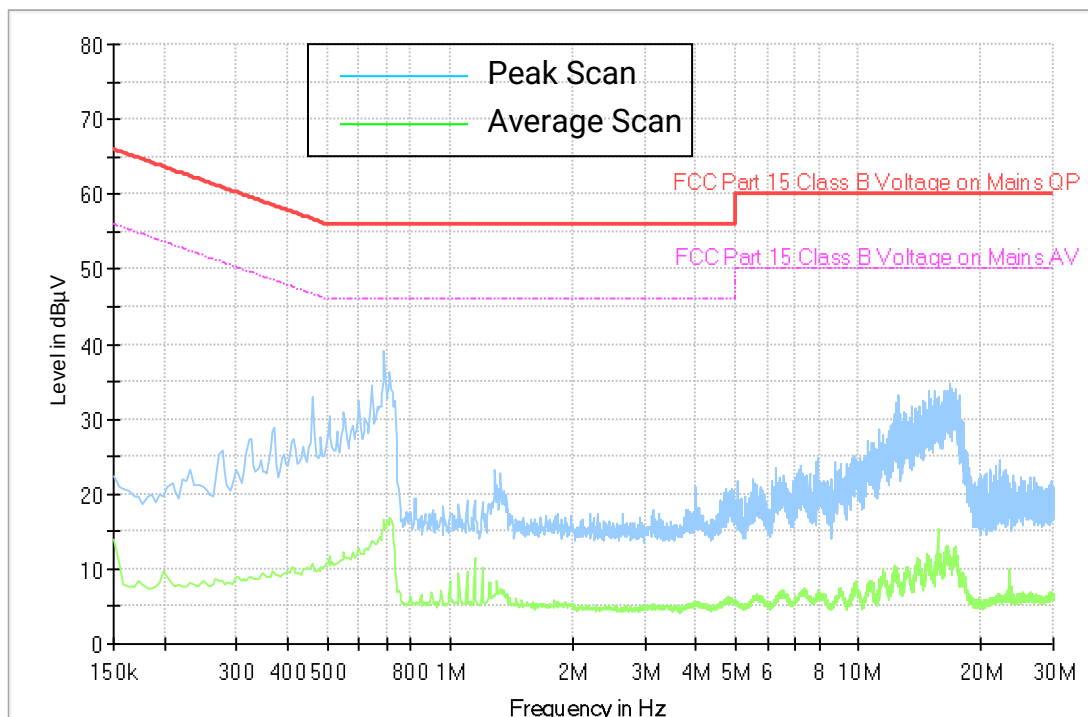
1) Ambient

Full Spectrum



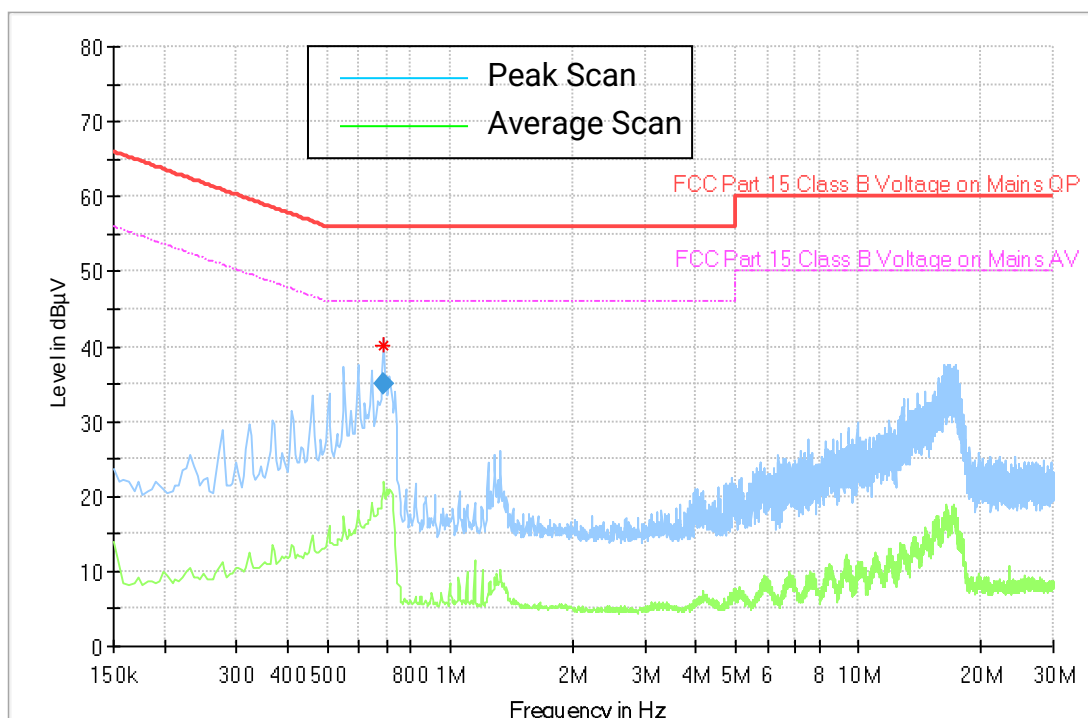
2) PSU Alone

Full Spectrum



3) Radio OFF

Full Spectrum

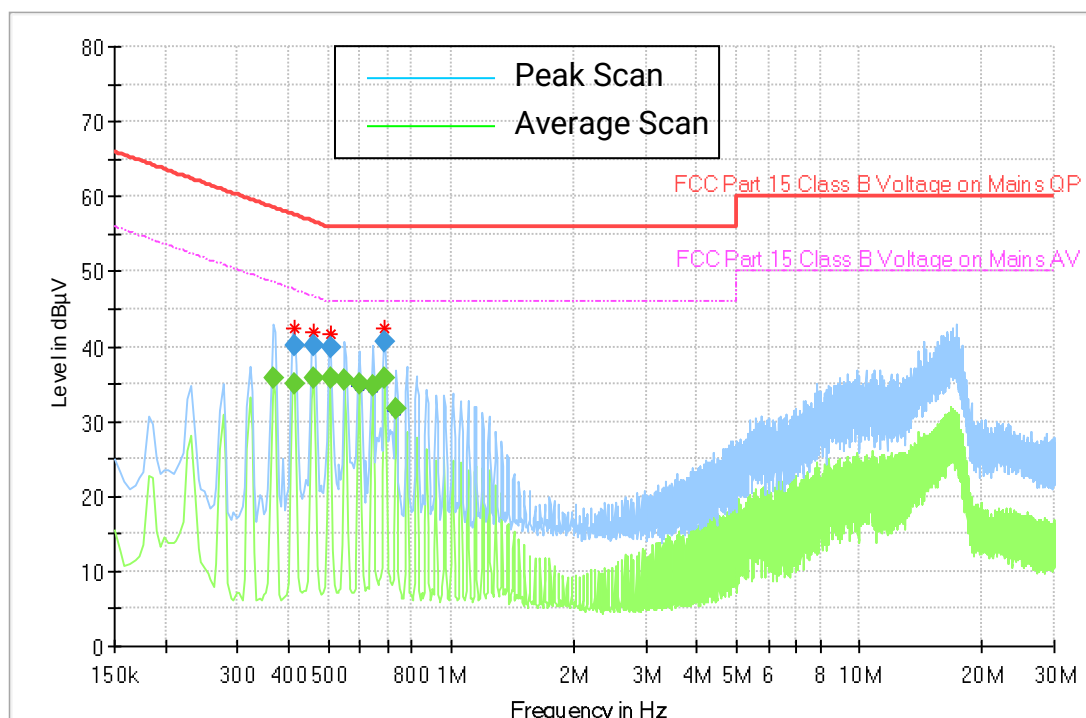


QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.690000	35.08	---	56.00	20.92	N	ON	9.9

4) Radio Standby

Full Spectrum

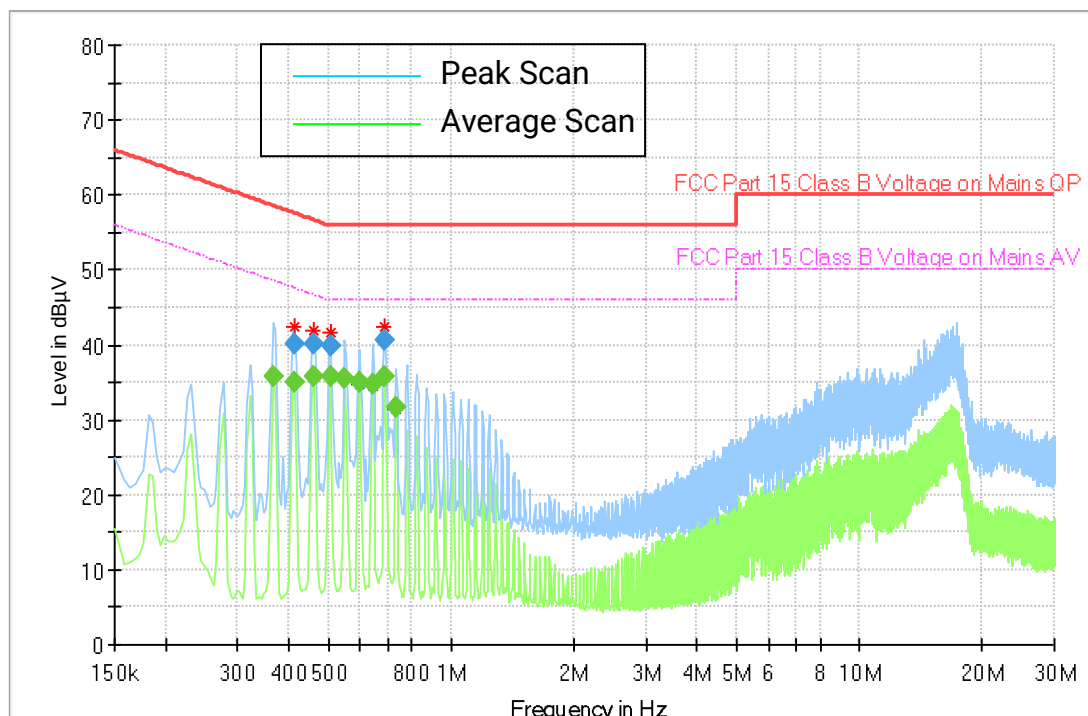


QuasiPeak and Average Measurement

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

5) 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)
0.366000	---	35.84	48.59	12.75	L1	ON	10.0
0.415500	40.03	---	57.54	17.51	N	ON	10.0
0.415500	---	35.12	47.54	12.42	L1	ON	10.0
0.460500	---	35.76	46.68	10.92	L1	ON	10.0
0.460500	40.18	---	56.68	16.50	L1	ON	10.0
0.505500	---	35.79	46.00	10.21	L1	ON	10.0
0.505500	39.91	---	56.00	16.09	L1	ON	10.0
0.550500	---	35.52	46.00	10.48	L1	ON	10.0
0.595500	---	34.93	46.00	11.07	L1	ON	10.0
0.640500	---	34.64	46.00	11.36	L1	ON	10.0
0.690000	---	35.73	46.00	10.27	N	ON	9.9
0.690000	40.73	---	56.00	15.27	N	ON	9.9
0.735000	---	31.60	46.00	14.40	L1	ON	9.9

END OF TEST REPORT