



FCC RADIO TEST REPORT

FCC ID : IHDT56AY1
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2701-1, XT2701-2
Applicant : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Manufacturer : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Standard : FCC Part 15 Subpart C §15.247

The product was received on Aug. 13, 2026 and testing was performed from Aug. 18, 2026 to Sep. 17, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010



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History of this test report

Report No.	Version	Description	Issue Date
FR672113J	01	Initial issue of report	Sep. 23, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.247(b)(3) 15.247(b)(4)	Output Power	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges and Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Spurious Emission	Pass	-
3.6	15.207	AC Conducted Emission	Pass	-
3.7	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng

Report Producer: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs	GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/ax/be, NFC, WPT, UWB and GNSS.	
Antenna Type	PIFA Antenna	
Sample 1	P+E-SIM	
Sample 2	P+P-SIM	

EUT Information List		
IMEI	Performed Test Item	
353070500009614	Conducted	
353070500007832	Conducted Emission	
353070500008095	Radiated Spurious Emission	

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	<Ant3>: -6.0 <Ant6>: -5.7

Remark:

1. MIMO Ant. 6+3 Directional Gain is a calculated result from MIMO Ant. 6 and MIMO Ant. 3. The formula used in calculation is documented in section 1.1.1.
2. Power of MIMO Ant. 6 + Ant. 3 is a calculated result from sum of the power MIMO Ant. 6 and MIMO Ant. 3.
3. All test items were performed with Sample 1.
4. The models XT2701-1, XT2701-2 are only for market differentiation, all the others are the same.
5. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.1.1 Antenna Directional Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output **v02r01 F)2)f)ii)**

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

As minimum $N_{SS}=1$ is supported by EUT, the formula can be simplified as:

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 6	Ant 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4GHz	-5.70	-6.00	-5.70	-2.84	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT6} = -5.7$ dBi; $G_{ANT3} = -6.0$ dBi

Directional gain of power measurement = $\max(-5.7, -6.0) + 0 = -5.7$ dBi

Directional gain of PSD derived from formula which is

$10 \times \log \{ \{ [10^{(-5.7 \text{ dBi} / 20)} + 10^{(-6.0 \text{ dBi} / 20)}]^2 / 2 \} \} = -2.84$ dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Salcomp)	Model Name	MC-901
AC Adapter 1(EU)	Brand Name	Motorola (Salcomp)	Model Name	MC-902
AC Adapter 1(UK)	Brand Name	Motorola (Salcomp)	Model Name	MC-903
AC Adapter 1(AR)	Brand Name	Motorola (Salcomp)	Model Name	MC-906
AC Adapter 1(BR)	Brand Name	Motorola (Salcomp)	Model Name	MC-907
AC Adapter 1(CHILE)	Brand Name	Motorola (Salcomp)	Model Name	MC-909
AC Adapter 2(IN)	Brand Name	Motorola (Salcomp)	Model Name	MC-904
AC Adapter 2(IN Local)	Brand Name	Motorola (Salcomp)	Model Name	MC-904
AC Adapter 3(US)	Brand Name	Motorola (AOHAI)	Model Name	MC-901
AC Adapter 3(EU)	Brand Name	Motorola (AOHAI)	Model Name	MC-902
AC Adapter 3(UK)	Brand Name	Motorola (AOHAI)	Model Name	MC-903
AC Adapter 3(AR)	Brand Name	Motorola (AOHAI)	Model Name	MC-906
AC Adapter 3(BR)	Brand Name	Motorola (AOHAI)	Model Name	MC-907
AC Adapter 3(CHILE)	Brand Name	Motorola (AOHAI)	Model Name	MC-909
AC Adapter 4(IN)	Brand Name	Motorola (AOHAI)	Model Name	MC-904
AC Adapter 4(IN Local)	Brand Name	Motorola (XIHI)	Model Name	MC-904
Battery	Brand Name	Motorola (ATL)	Model Name	TZ70
USB Cable 1	Brand Name	Motorola (Saibao)	Model Name	SC18D86731
USB Cable 2	Brand Name	Motorola (Luxshare)	Model Name	SC18E08103
USB Cable 3	Brand Name	Motorola (Saibao)	Model Name	SC18D71644
USB Cable 4	Brand Name	Motorola (Luxshare)	Model Name	SC18E08104
Protective case	Brand Name	Motorola (Techson)	Model Name	SS68F43462

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

The test location is accredited based on TAF code 1190 and 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010

FCC designation No.: TW1190 and TW3786

Note:

1. The test site complies with ANSI C63.4 2014 requirement.
2. The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC Part 15 Subpart C §15.247
- ♦ ANSI C63.10-2020 + Cor.1-2023

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	-	-	27	2429	54	2456
	-	-	28	2430	55	2457
	2	2404	29	2431	56	2458
	3	2405	30	2432	57	2459
	4	2406	31	2433	58	2460
	5	2407	32	2434	59	2461
	6	2408	33	2435	60	2462
	7	2409	34	2436	61	2463
	8	2410	35	2437	62	2464
	9	2411	36	2438	63	2465
	10	2412	37	2439	64	2466
	11	2413	38	2440	65	2467
	12	2414	39	2441	66	2468
	13	2415	40	2442	67	2469
	14	2416	41	2443	68	2470
	15	2417	42	2444	69	2471
	16	2418	43	2445	70	2472
	17	2419	44	2446	71	2473
	18	2420	45	2447	72	2474
	19	2421	46	2448	73	2475
	20	2422	47	2449	74	2476
	21	2423	48	2450	75	2477
	22	2424	49	2451	76	2478
	-	-	50	2452	-	-
	-	-	51	2453	-	-
	-	-	52	2454	-	-
	26	2428	53	2455	-	-

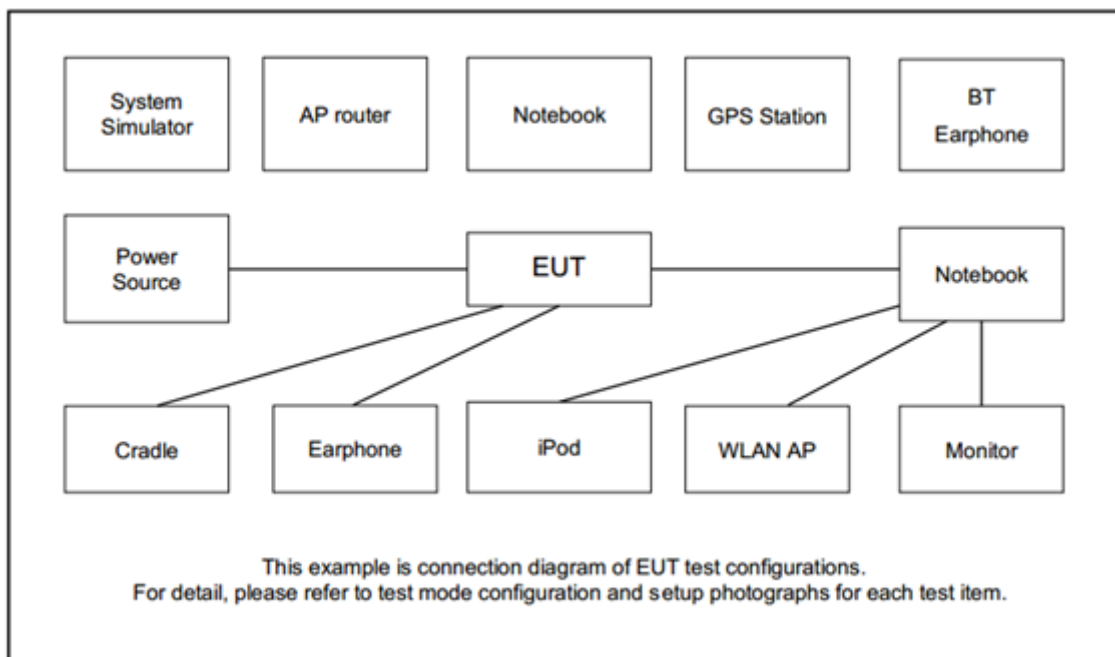
2.2 Test Mode

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz) radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases	
Test Item	Data Rate / Modulation
Conducted Test Cases	Bluetooth-LE GFSK / GFSK
	Mode 1: Bluetooth-LE GFSK Tx CH02_2404 MHz_1Mbps
	Mode 2: Bluetooth-LE GFSK Tx CH38_2440 MHz_1Mbps
	Mode 3: Bluetooth-LE GFSK Tx CH76_2478 MHz_1Mbps
	Mode 4: Bluetooth-LE GFSK Tx CH02_2404 MHz_2Mbps
	Mode 5: Bluetooth-LE GFSK Tx CH38_2440 MHz_2Mbps
	Mode 6: Bluetooth-LE GFSK Tx CH76_2478 MHz_2Mbps
AC Conducted Emission	Mode 1: GSM850 Idle + Bluetooth link + WLAN link (2.4GHz) + USB Cable 3 (Charging from Adapter 3)
Remark: - The detailed Radiated test modes are shown in Appendix C. - For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. - For Radiated Test Cases, the tests were performed with Adapter 3 and USB Cable 3.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	NOTE BOOK	Dell	Latitude 3420	FCC DoC	N/A	AC I/P:Unshielded, 1.2m DC O/P:Shielded, 1.8m
3.	WLAN AP	ASUS	GT-AXE11000	N/A	N/A	Unshielded,1.8m
4.	Bluetooth Earphone	Jlab Jbund Mini	2AHYV	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4.0.198.1 CTL” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

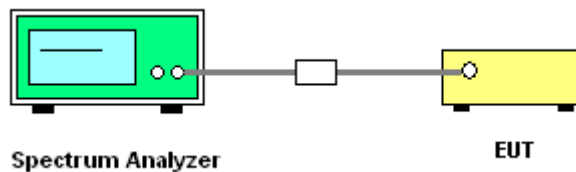
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

3.1.6 Test Result of 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna of directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

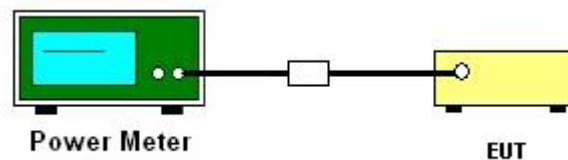
3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator.
3. The path loss is compensated to the results for each measurement.
4. Set the maximum power setting and enable the EUT to transmit continuously.
5. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

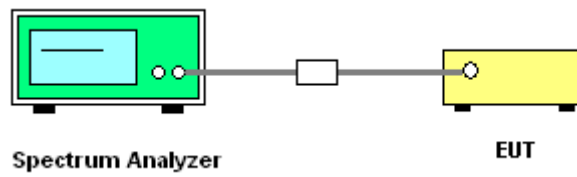
3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth (VBW) = 10 kHz. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6 dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.
7. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01:

Method (c): Measure and add $10 \log(N_{\text{ANT}})$ dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit .

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 30 dB down from the highest emission level within the authorized band.

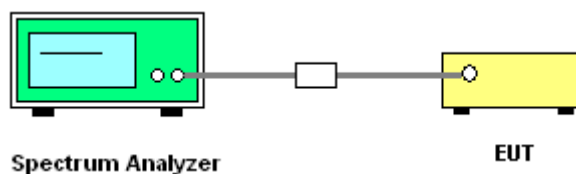
3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedure

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Set RBW = 100 kHz, VBW = 300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edges Plots

Please refer to Appendix A.

3.4.6 Test Result of Conducted Spurious Emission Plots

Please refer to Appendix A.



3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

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

3.5.2 Measuring Instruments

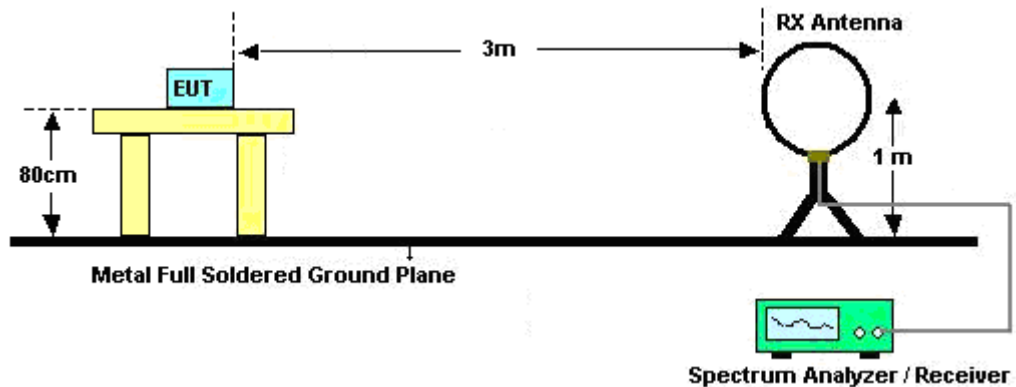
Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

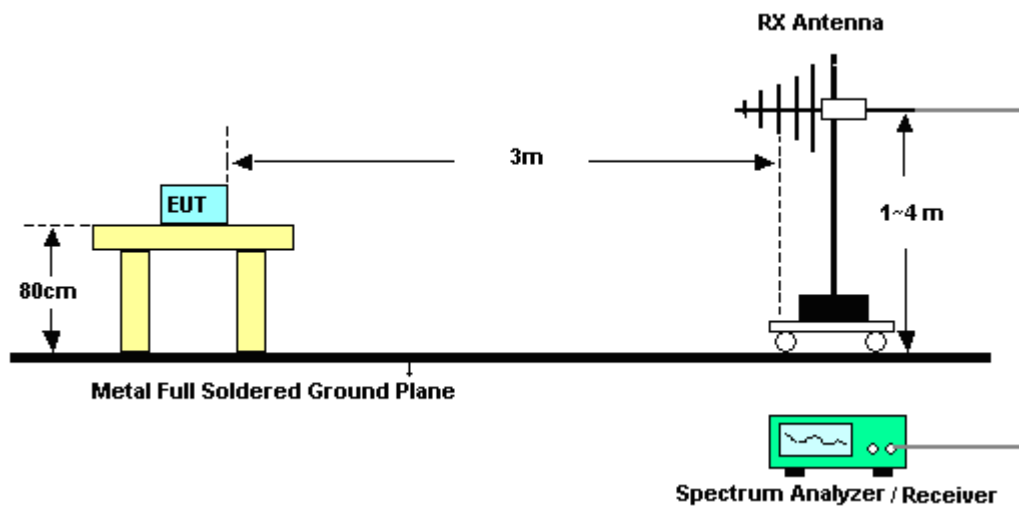
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 100 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW = 3 MHz for $f \geq 1$ GHz for peak measurement.For average measurement:
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
 - Additional DCCF is applied to BLE signals in restricted band, refer to Appendix C.

3.5.4 Test Setup

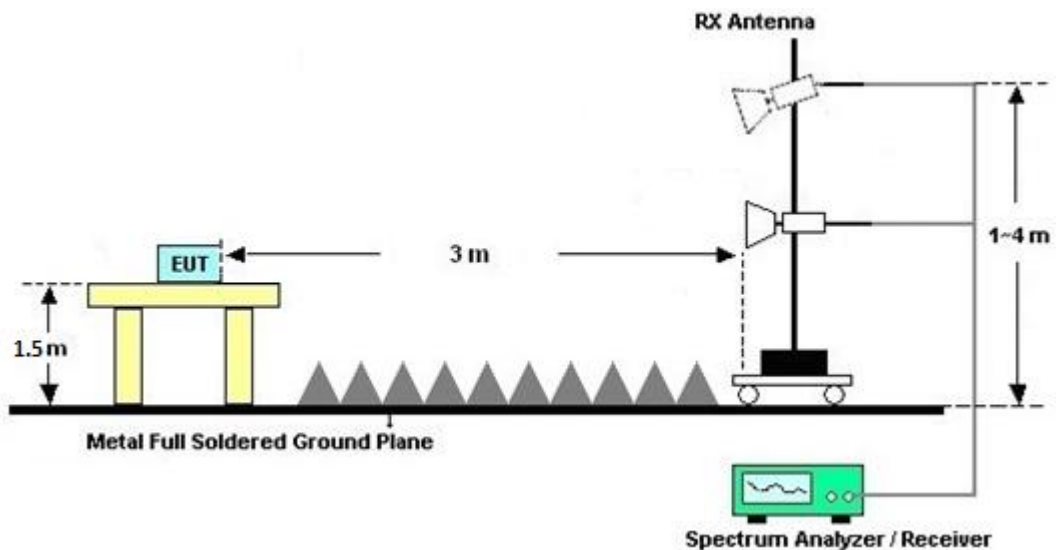
For radiated test below 30MHz



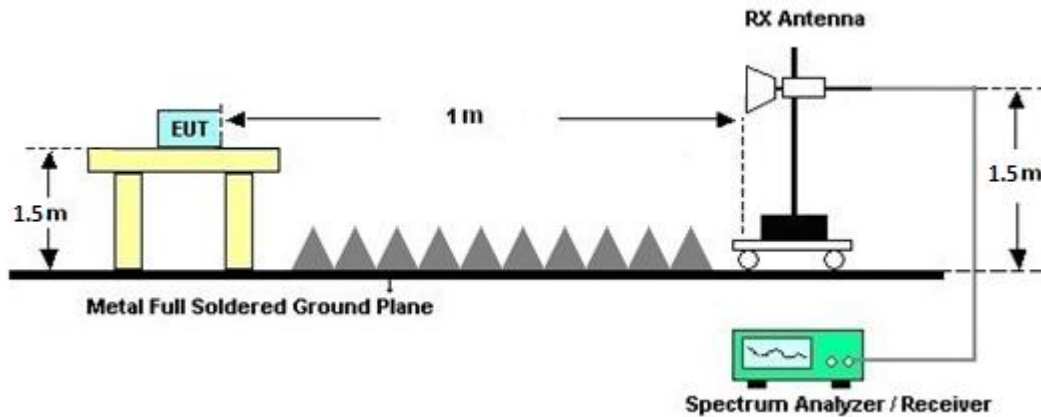
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30 MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

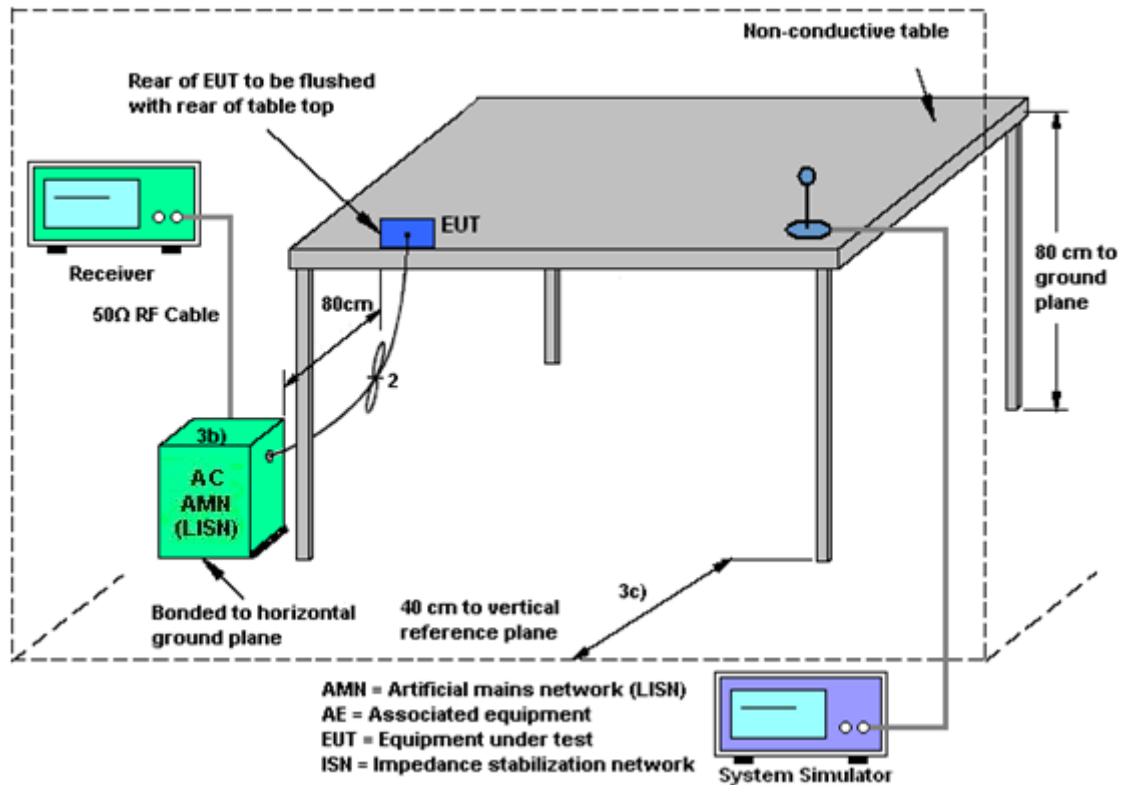
3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.7.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPIL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Aug. 25, 2026~ Sep. 12, 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB RF Power Sensor	DARE	RPR3006W	17100015SNO3 7 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Aug. 25, 2026~ Sep. 12, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3044	101466	10Hz~44GHZ	Nov. 12, 2025	Aug. 25, 2026~ Sep. 12, 2026	Nov. 11, 2026	Conducted (TH05-HY)
Switch Control Mainframe	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Dec. 29, 2025	Aug. 25, 2026~ Sep. 12, 2026	Dec. 28, 2026	Conducted (TH05-HY)
Software	Sporton	BTWiFi_Final version_24051 3	N/A	Conducted Other Test Item	N/A	Aug. 25, 2026~ Sep. 12, 2026	N/A	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9kHz~30MHz	Dec. 11, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec.10, 2026	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1230	18GHz~40GHz	Nov. 05, 2026	Aug. 18, 2026~ Sep. 17, 2026	Nov.04, 2026	Radiation (03CH16-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241055	10Hz~44GHz	Nov. 18, 2025	Aug. 18, 2026~ Sep. 17, 2026	Nov.17, 2026	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Nov. 26, 2025	Aug. 18, 2026~ Sep. 17, 2026	Nov.25, 2026	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N- 06	47020 & 06	30MHz to 1GHz	Oct. 04, 2025	Aug. 18, 2026~ Sep. 17, 2026	Oct. 03, 2026	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 26, 2026	Aug. 18, 2026~ Sep. 17, 2026	Mar. 25, 2027	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jun. 29, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jun. 28, 2027	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 12, 2025	Aug. 18, 2026~ Sep. 17, 2026	Sep.11, 2026	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Sep. 11, 2026	Aug. 18, 2026~ Sep. 17, 2026	Sep.10, 2027	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 22, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec. 21,2026	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun 08, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jun 07, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 13, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jan. 12, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700- 3000-18000-60 ST	SN3	3GHz High Pass Filter	Jun. 25, 2026	Aug. 18, 2026~ Sep. 17, 2026	Jun. 24, 2027	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5 -6750-18000-4 OST	SN27	6.75GHz High Pass Filter	Dec. 22, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec. 21,2026	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	May 13, 2026	Aug. 18, 2026~ Sep. 17, 2026	May 12, 2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLE X 104	EC-A5-300-575 7,805935/4,802 434/4	30MHz~18GHz	Aug. 05, 2026	Aug. 18, 2026~ Sep. 17, 2026	Aug.04 ,2027	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,8040 12/2	18-40GHz	Dec. 18, 2025	Aug. 18, 2026~ Sep. 17, 2026	Dec.17 ,2026	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 18, 2026~ Sep. 17, 2026	N/A	Radiation (03CH16-HY)

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Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ALL	APC-130	N/A	N/A	N/A	Aug. 21, 2026	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	N/A	Dec. 16, 2025	Aug. 21, 2026	Dec. 15, 2026	Conduction (CO05-HY)
Hygrometer	TECEPEL	DTM-303A	TP210031	N/A	Jun. 15, 2026	Aug. 21, 2026	Jun. 14, 2027	Conduction (CO05-HY)
Two-Line V-Network	Rohde & Schwarz	ENV 216 +EMCI-EXP-US S	100080+N-021	N/A	Apr. 22, 2026	Aug. 21, 2026	Apr. 21, 2027	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Aug. 21, 2026	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 07, 2026	Aug. 21, 2026	Aug. 06, 2027	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	N/A	Oct. 14, 2025	Aug. 21, 2026	Oct. 13, 2026	Conduction (CO05-HY)



5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.70 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.50 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.60 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20 dB
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Appendix A1-1. Test Result of Conducted Test Items (for ANT6)

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK 1M	1Mbps	1	02	2404	1.027	0.682	0.50	Pass
GFSK 1M	1Mbps	1	38	2440	1.028	0.684	0.50	Pass
GFSK 1M	1Mbps	1	76	2478	1.028	0.684	0.50	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Setting
GFSK 1M	1Mbps	1	02	2404	11.29	30.00	-5.70	5.59	36.00	Pass	10
GFSK 1M	1Mbps	1	38	2440	12.17	30.00	-5.70	6.47	36.00	Pass	10
GFSK 1M	1Mbps	1	76	2478	11.01	30.00	-5.70	5.31	36.00	Pass	10

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK 1M	1Mbps	1	02	2404	10.62	-5.60	-5.70	8.00	Pass
GFSK 1M	1Mbps	1	38	2440	11.56	-4.66	-5.70	8.00	Pass
GFSK 1M	1Mbps	1	76	2478	10.35	-5.87	-5.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

Appendix A1-1. Test Result of Conducted Test Items (for ANT6)

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK 2M	2Mbps	1	2	2404	2.039	0.964	0.50	Pass
GFSK 2M	2Mbps	1	38	2440	2.040	0.965	0.50	Pass
GFSK 2M	2Mbps	1	76	2478	2.040	0.965	0.50	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Setting
GFSK 2M	2Mbps	1	2	2404	11.15	30.00	-5.70	5.45	36.00	Pass	10
GFSK 2M	2Mbps	1	38	2440	12.06	30.00	-5.70	6.36	36.00	Pass	10
GFSK 2M	2Mbps	1	76	2478	10.91	30.00	-5.70	5.21	36.00	Pass	10

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK 2M	2Mbps	1	2	2404	10.60	-9.27	-5.70	8.00	Pass
GFSK 2M	2Mbps	1	38	2440	11.53	-8.34	-5.70	8.00	Pass
GFSK 2M	2Mbps	1	76	2478	10.30	-9.55	-5.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

Appendix A1-2. Test Result of Conducted Test Items (for ANT3)

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK 1M	1Mbps	1	02	2404	1.028	0.685	0.50	Pass
GFSK 1M	1Mbps	1	38	2440	1.027	0.683	0.50	Pass
GFSK 1M	1Mbps	1	76	2478	1.027	0.684	0.50	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Setting
GFSK 1M	1Mbps	1	02	2404	10.42	30.00	-6.00	4.42	36.00	Pass	10
GFSK 1M	1Mbps	1	38	2440	11.21	30.00	-6.00	5.21	36.00	Pass	10
GFSK 1M	1Mbps	1	76	2478	10.45	30.00	-6.00	4.45	36.00	Pass	10

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK 1M	1Mbps	1	02	2404	9.90	-6.30	-6.00	8.00	Pass
GFSK 1M	1Mbps	1	38	2440	10.78	-5.43	-6.00	8.00	Pass
GFSK 1M	1Mbps	1	76	2478	9.95	-6.25	-6.00	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

Appendix A1-2. Test Result of Conducted Test Items (for ANT3)

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK 2M	2Mbps	1	2	2404	2.041	0.966	0.50	Pass
GFSK 2M	2Mbps	1	38	2440	2.040	0.964	0.50	Pass
GFSK 2M	2Mbps	1	76	2478	2.040	0.966	0.50	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Setting
GFSK 2M	2Mbps	1	2	2404	10.29	30.00	-6.00	4.29	36.00	Pass	10
GFSK 2M	2Mbps	1	38	2440	11.07	30.00	-6.00	5.07	36.00	Pass	10
GFSK 2M	2Mbps	1	76	2478	10.32	30.00	-6.00	4.32	36.00	Pass	10

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK 2M	2Mbps	1	2	2404	9.70	-10.18	-6.00	8.00	Pass
GFSK 2M	2Mbps	1	38	2440	10.61	-9.30	-6.00	8.00	Pass
GFSK 2M	2Mbps	1	76	2478	9.79	-10.10	-6.00	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

Appendix A1-3. Test Result of Conducted Test Items (for ANT6+3)

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK	1Mbps	2	2	2404	1.028	0.682	0.50	Pass
GFSK	1Mbps	2	38	2440	1.028	0.685	0.50	Pass
GFSK	1Mbps	2	76	2478	1.028	0.683	0.50	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Average Conducted Power Ant 6 (dBm)	Average Conducted Power Ant 3 (dBm)	Total Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	Total EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
GFSK	1Mbps	2	2	2404	7.00	5.85	9.47	30.00	-5.70	3.77	36.00	Pass
GFSK	1Mbps	2	38	2440	8.13	6.84	10.54	30.00	-5.70	4.84	36.00	Pass
GFSK	1Mbps	2	76	2478	7.02	5.96	9.53	30.00	-5.70	3.83	36.00	Pass

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	Peak PSD Worst +3.01 (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK	1Mbps	2	2	2404	6.66	-9.56	-6.55	-5.70	8.00	Pass
GFSK	1Mbps	2	38	2440	7.77	-8.46	-5.45	-5.70	8.00	Pass
GFSK	1Mbps	2	76	2478	6.48	-9.75	-6.74	-5.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

Appendix A1-3. Test Result of Conducted Test Items (for ANT6+3)

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2026/8/25~9/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
GFSK	2Mbps	2	2	2404	2.039	0.964	0.50	Pass
GFSK	2Mbps	2	38	2440	2.040	0.964	0.50	Pass
GFSK	2Mbps	2	76	2478	2.040	0.964	0.50	Pass

TEST RESULTS DATA
Average Power Table

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Average Conducted Power Ant 6 (dBm)	Average Conducted Power Ant 3 (dBm)	Total Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	Total EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
GFSK	2Mbps	2	2	2404	6.91	5.77	9.39	30.00	-5.70	3.69	36.00	Pass
GFSK	2Mbps	2	38	2440	8.01	6.74	10.43	30.00	-5.70	4.73	36.00	Pass
GFSK	2Mbps	2	76	2478	6.89	5.87	9.42	30.00	-5.70	3.72	36.00	Pass

TEST RESULTS DATA
Peak Power Density

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Peak PSD (dBm /100kHz)	Peak PSD (dBm /3kHz)	Peak PSD Worst +3.01 (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
GFSK	2Mbps	2	2	2404	6.55	-13.34	-10.33	-5.70	8.00	Pass
GFSK	2Mbps	2	38	2440	7.69	-12.17	-9.16	-5.70	8.00	Pass
GFSK	2Mbps	2	76	2478	6.45	-13.40	-10.39	-5.70	8.00	Pass

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 30dBc limit.

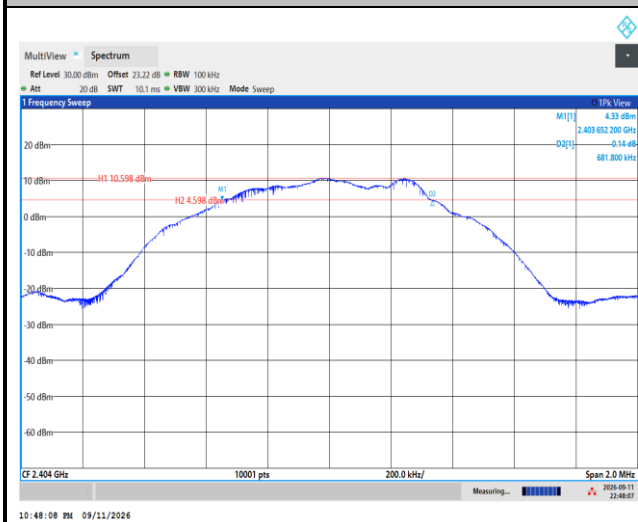


Number of TX = 1, Ant. 6 (Measured)

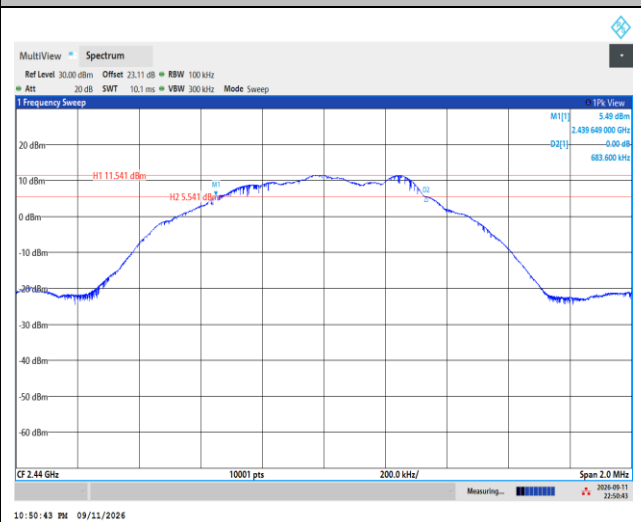
6dB Bandwidth

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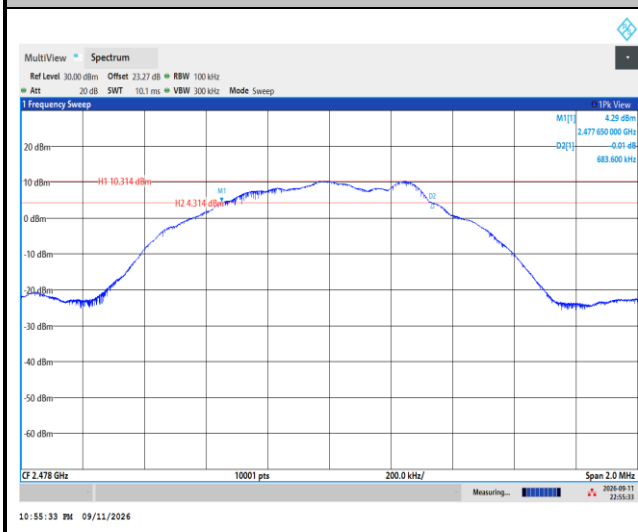
6 dB Bandwidth Plot on Channel 02



6 dB Bandwidth Plot on Channel 38



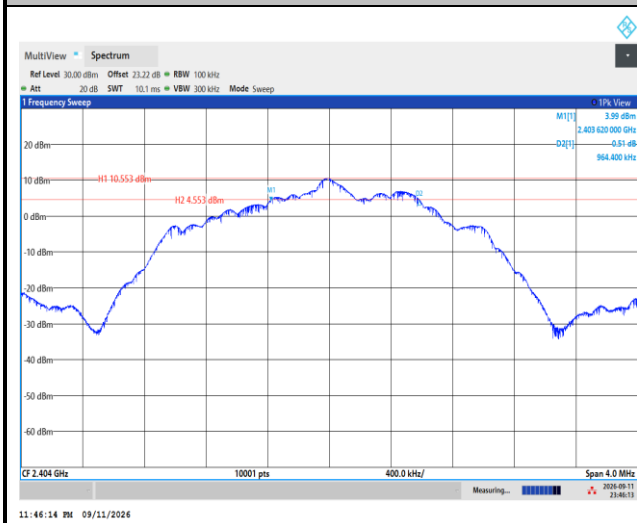
6 dB Bandwidth Plot on Channel 76



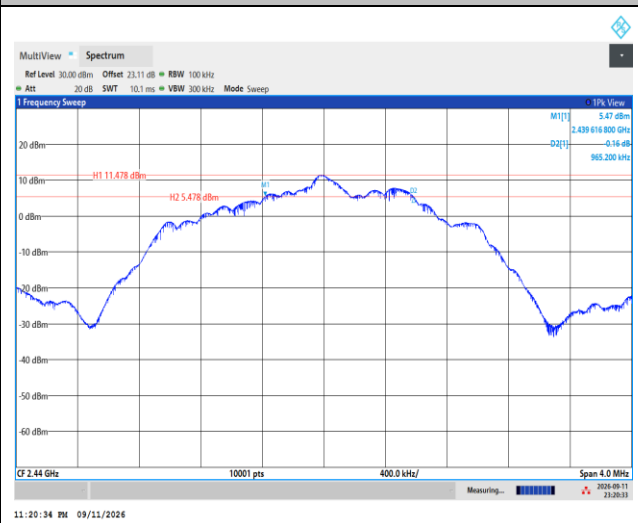


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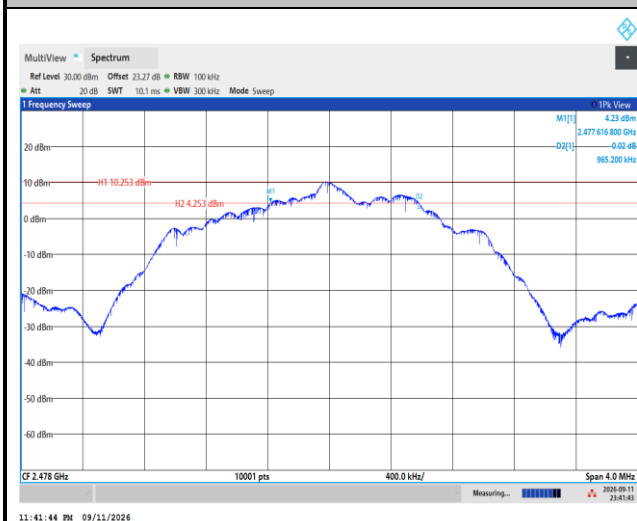
6 dB Bandwidth Plot on Channel 02



6 dB Bandwidth Plot on Channel 38

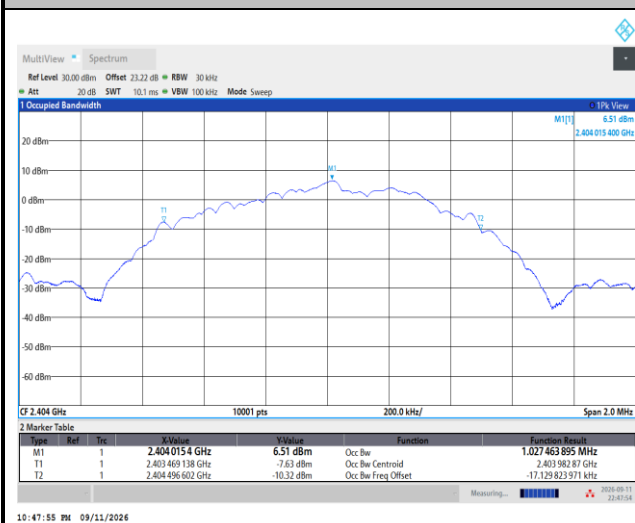
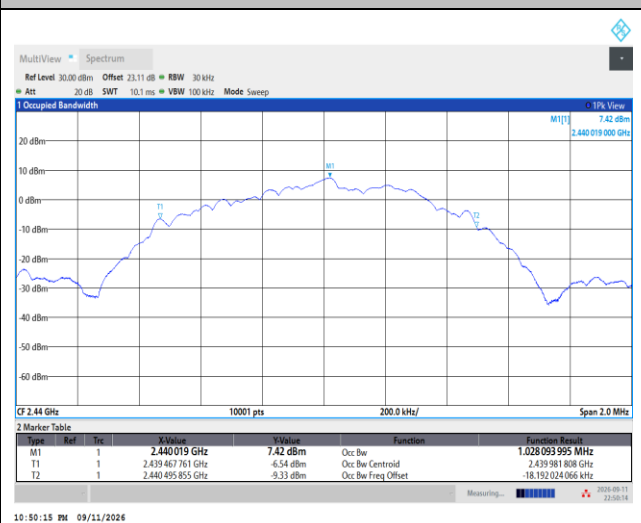
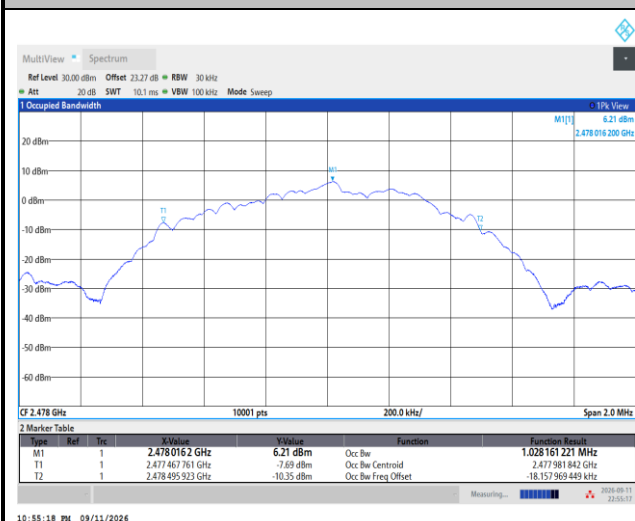


6 dB Bandwidth Plot on Channel 76



**99% Occupied Bandwidth**

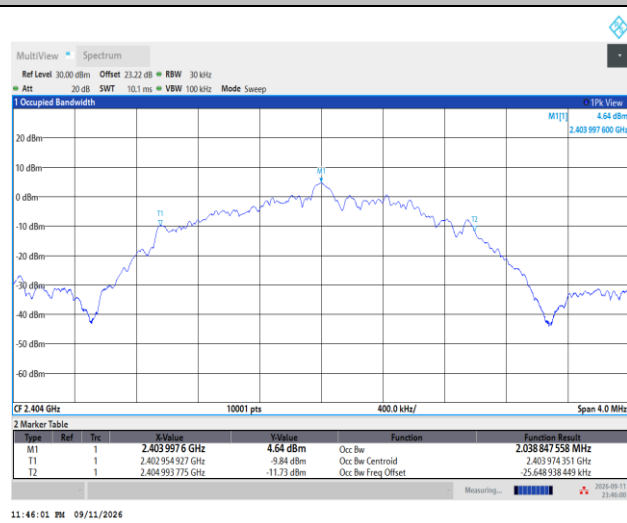
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99% Occupied Bandwidth Plot on Channel 02**99% Occupied Bandwidth Plot on Channel 38****99% Occupied Bandwidth Plot on Channel 76**

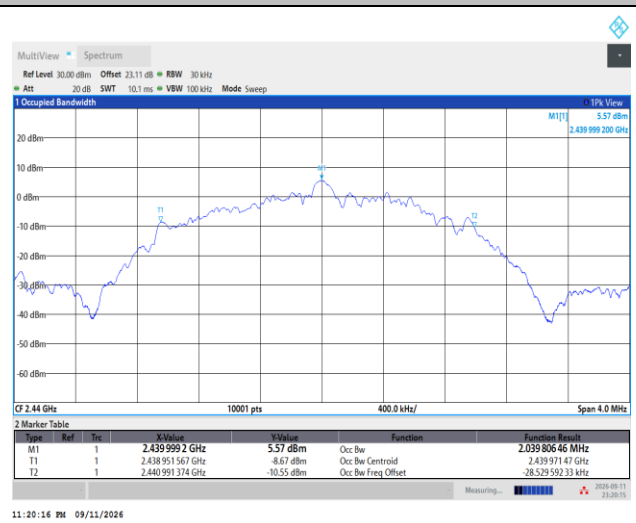


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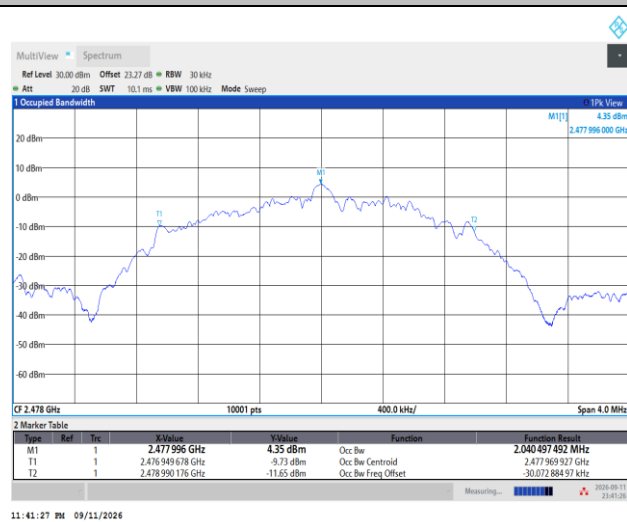
99% Occupied Bandwidth Plot on Channel 02



99% Occupied Bandwidth Plot on Channel 38

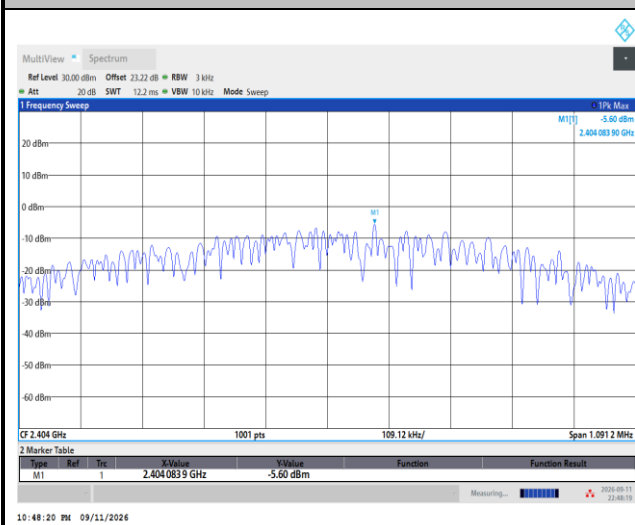
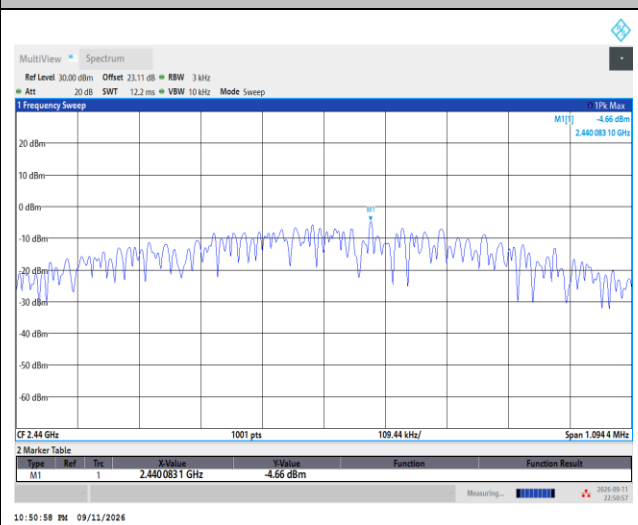
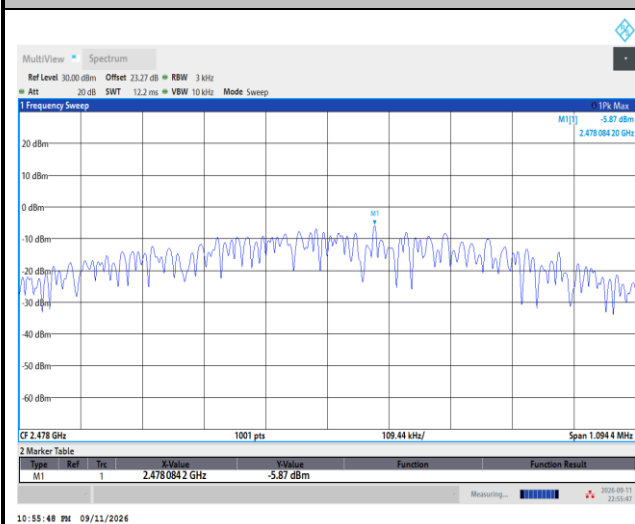


99% Occupied Bandwidth Plot on Channel 76



**Power Spectral Density (dBm/3kHz)**

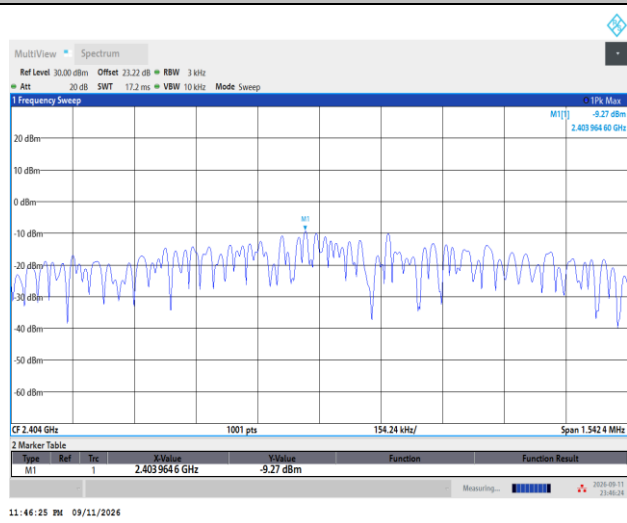
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Power Density (dBm/3kHz) Plot Channel 02**Power Density (dBm/3kHz) Plot Channel 38****Power Density (dBm/3kHz) Plot Channel 76**

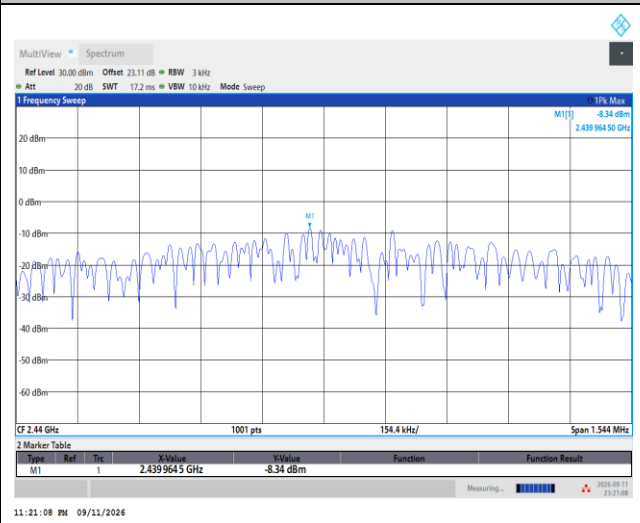


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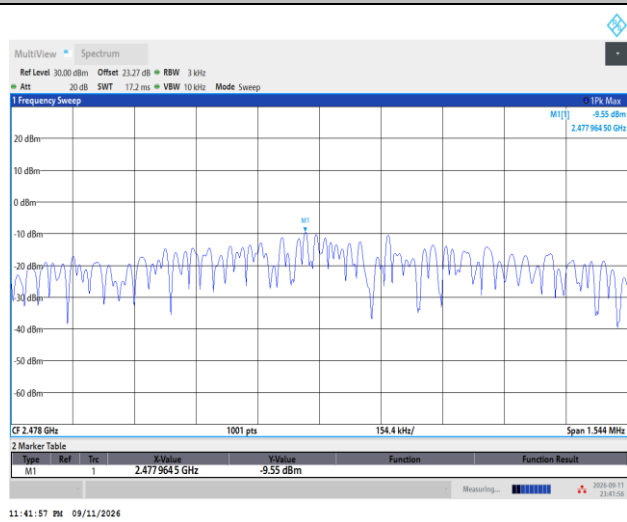
Power Density (dBm/3kHz) Plot Channel 02



Power Density (dBm/3kHz) Plot Channel 38

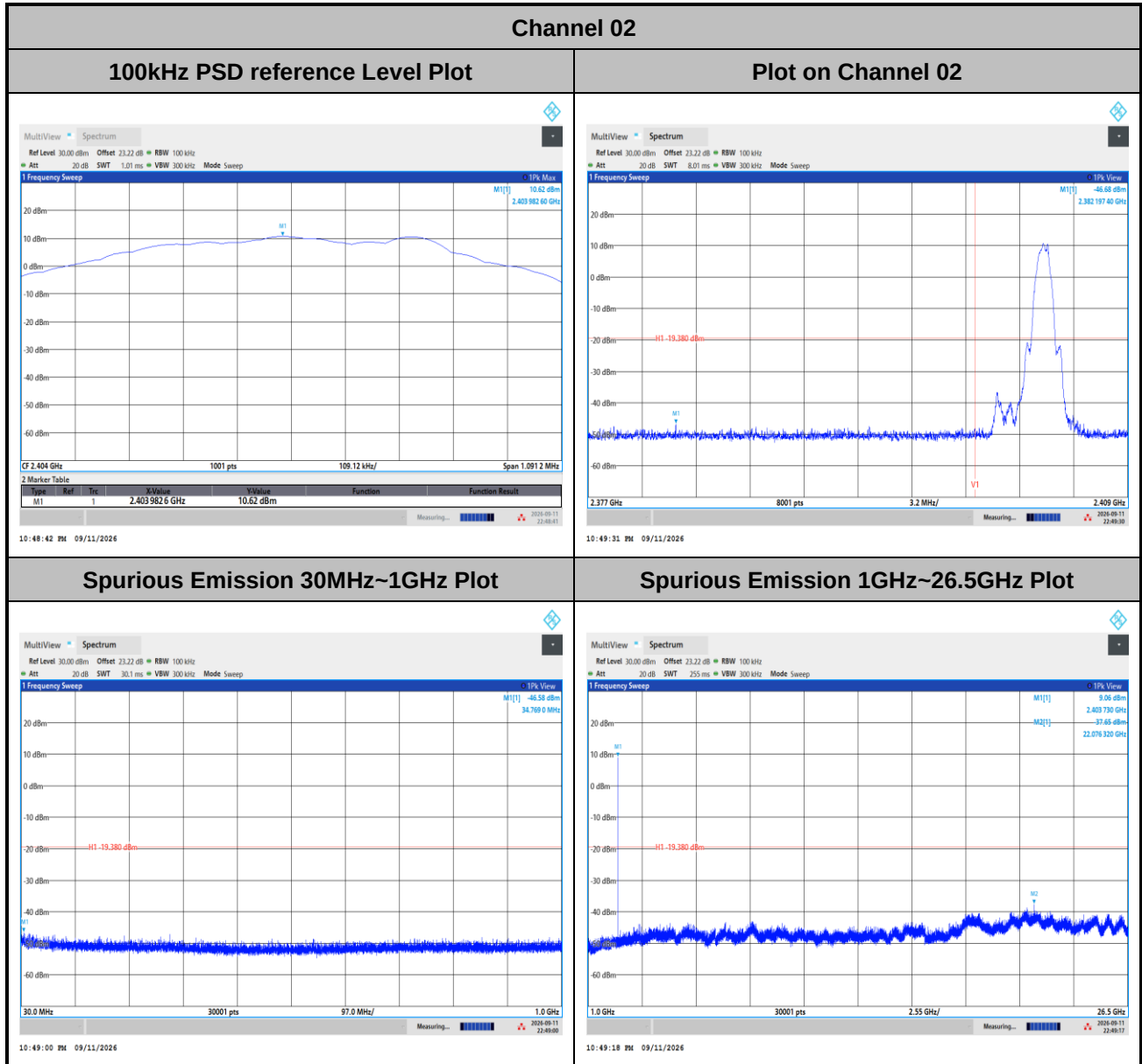


Power Density (dBm/3kHz) Plot Channel 76



**Band Edge and Conducted Spurious Emission**

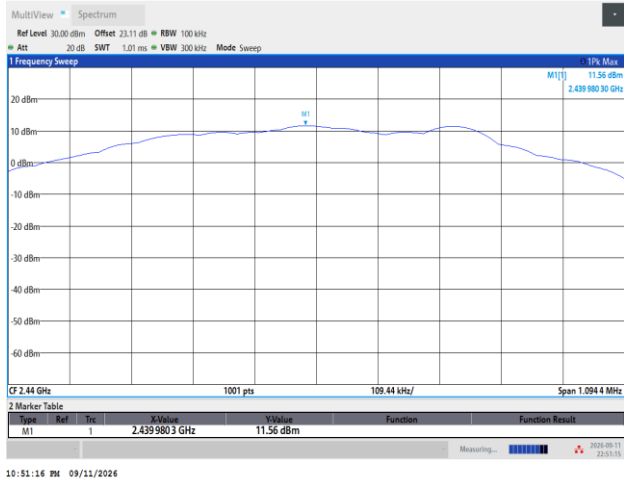
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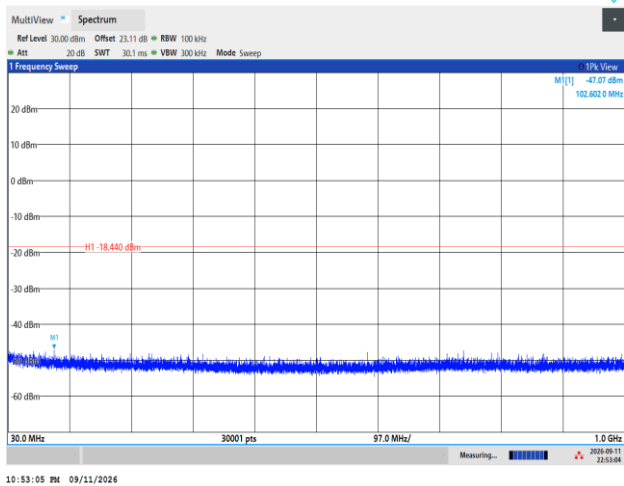


Channel 38

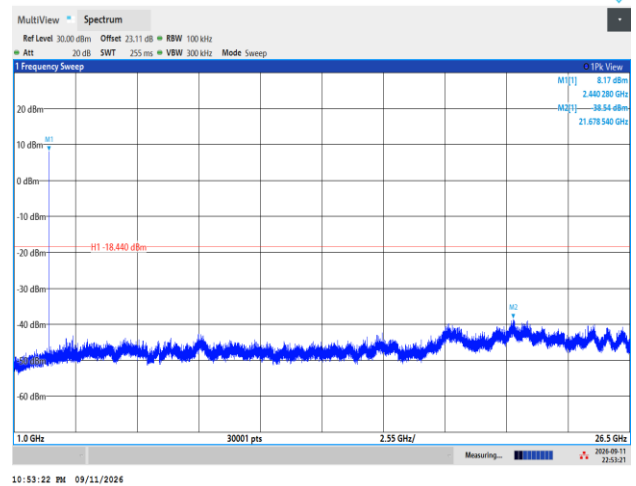
100kHz PSD reference Level Plot



Spurious Emission 30MHz~1GHz Plot



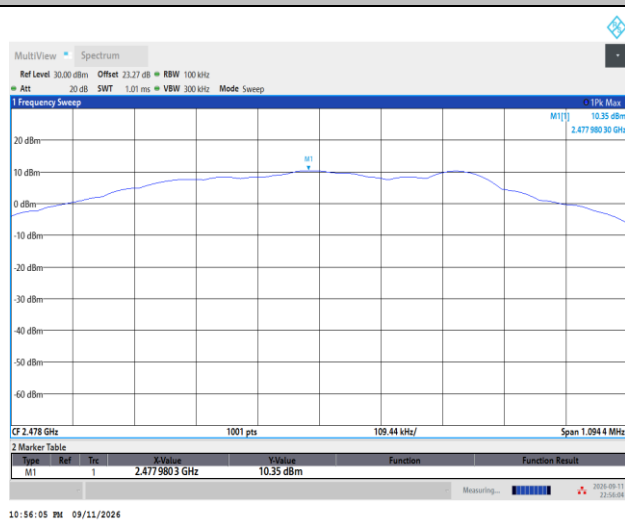
Spurious Emission 1GHz~26.5GHz Plot



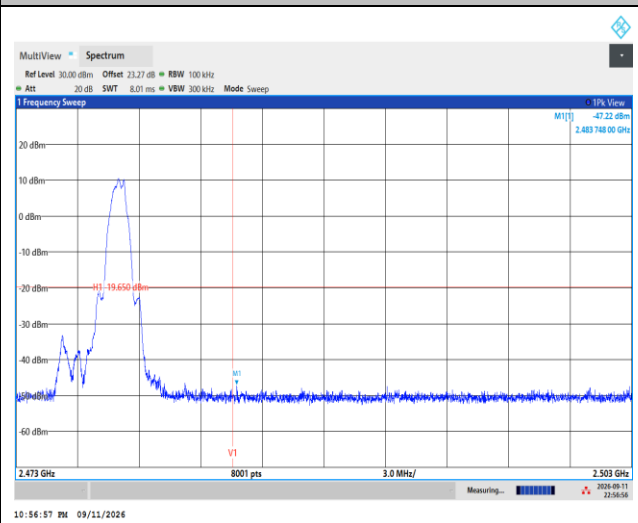


Channel 76

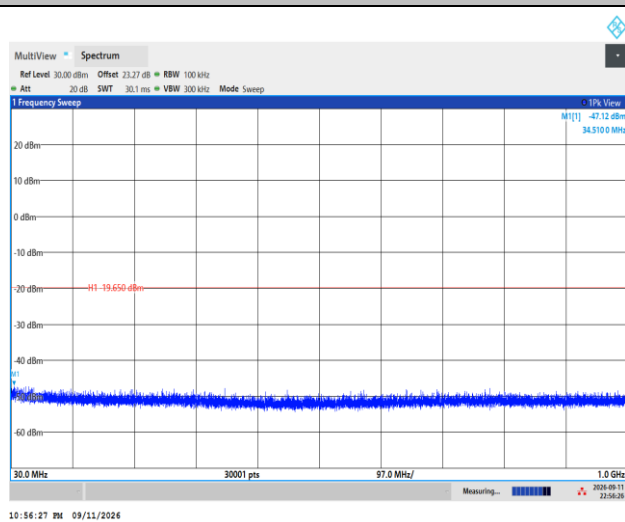
100kHz PSD reference Level Plot



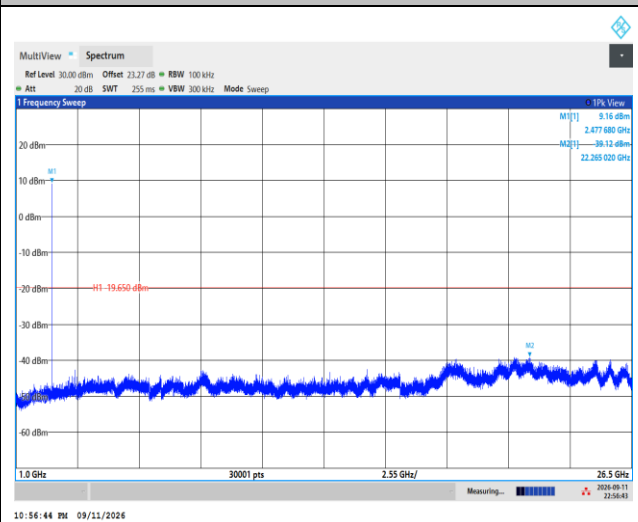
Plot on Channel 76



Spurious Emission 30MHz~1GHz Plot

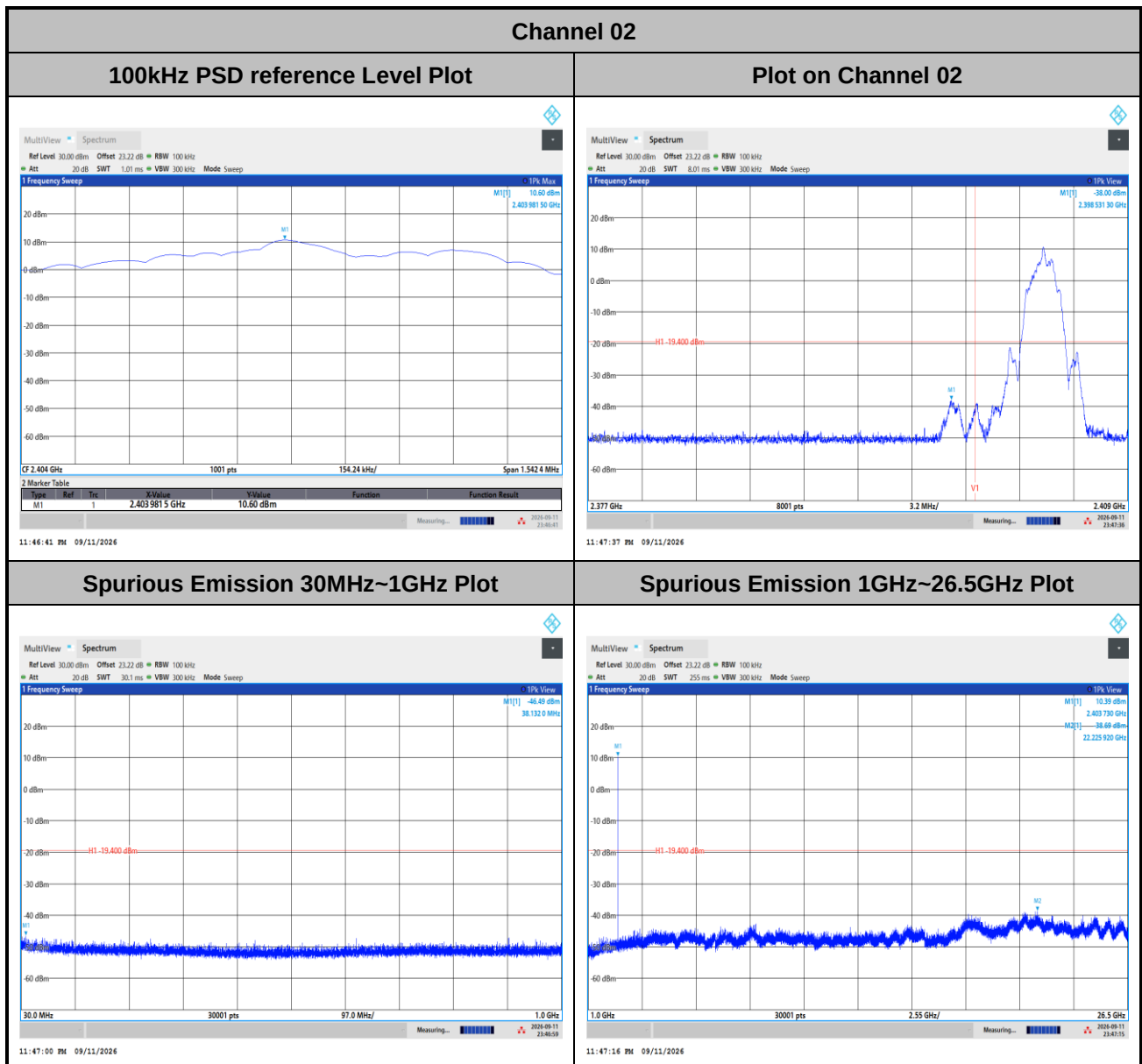


Spurious Emission 1GHz~26.5GHz Plot





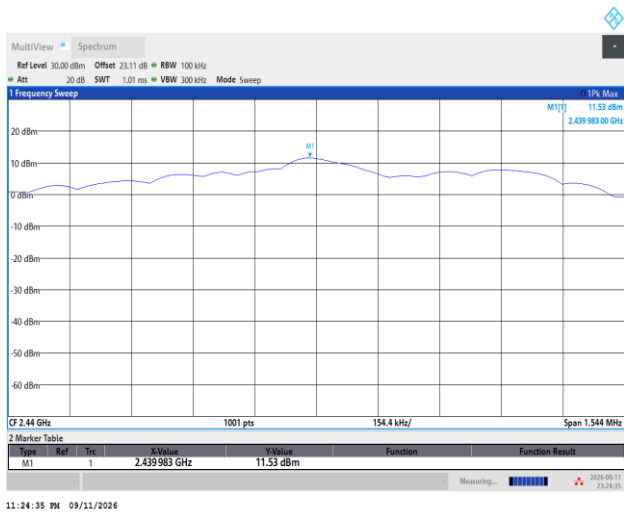
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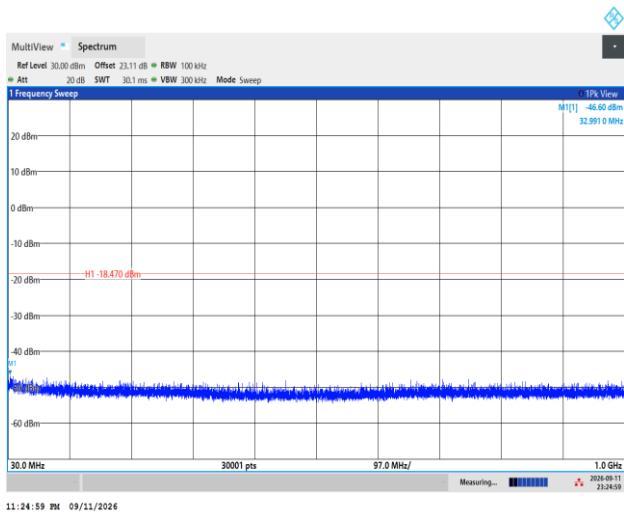


Channel 38

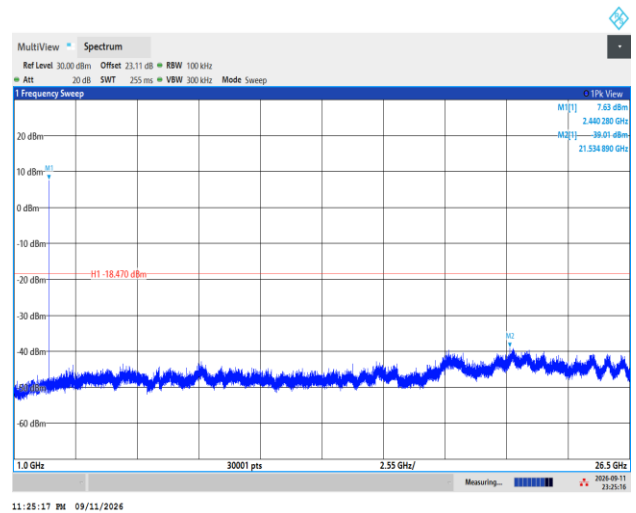
100kHz PSD reference Level Plot



Spurious Emission 30MHz~1GHz Plot



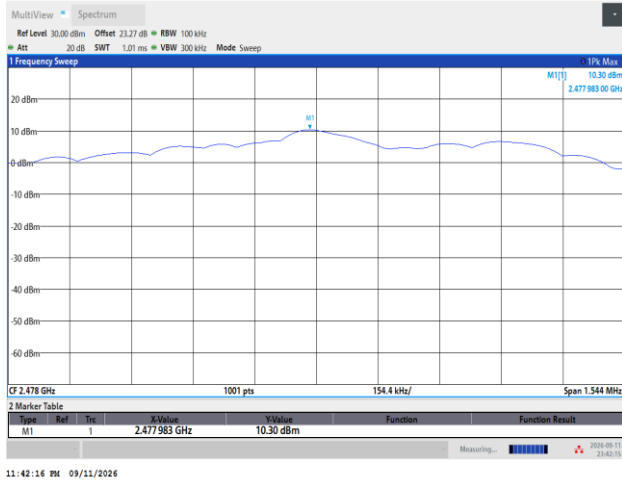
Spurious Emission 1GHz~26.5GHz Plot



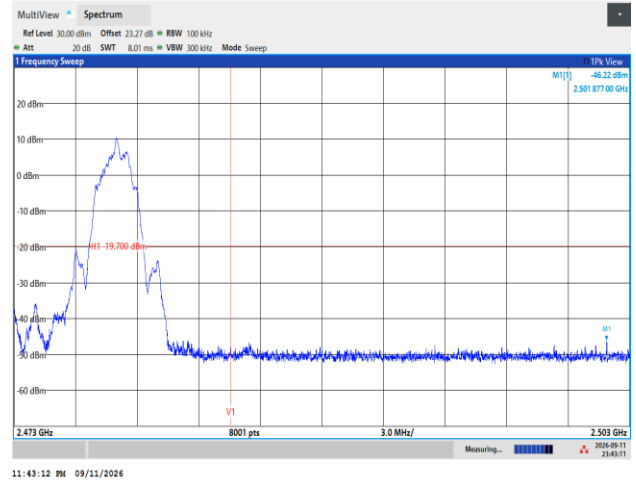


Channel 76

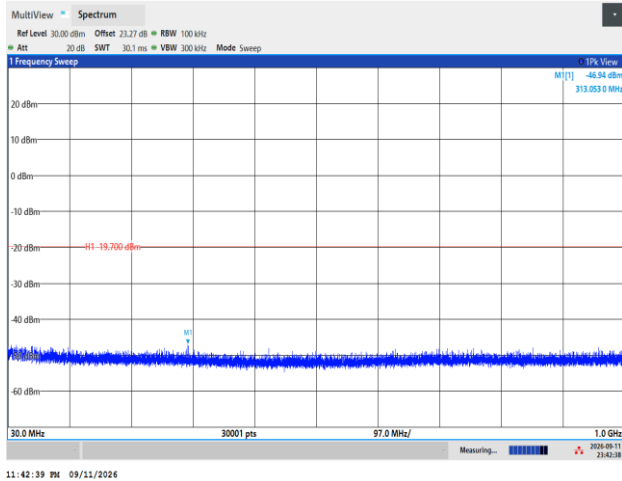
100kHz PSD reference Level Plot



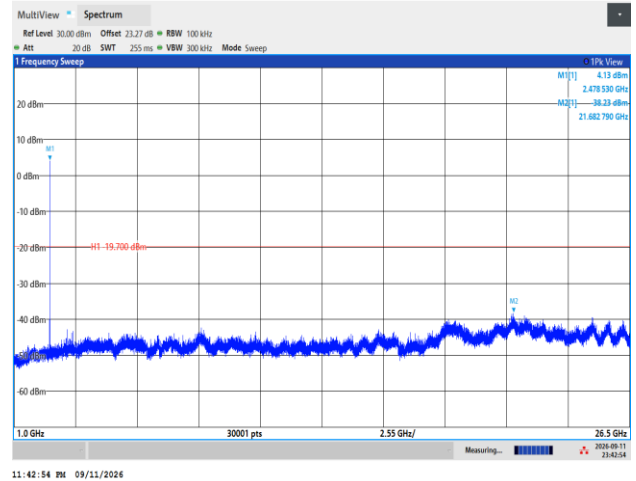
Plot on Channel 76



Spurious Emission 30MHz~1GHz Plot



Spurious Emission 1GHz~26.5GHz Plot



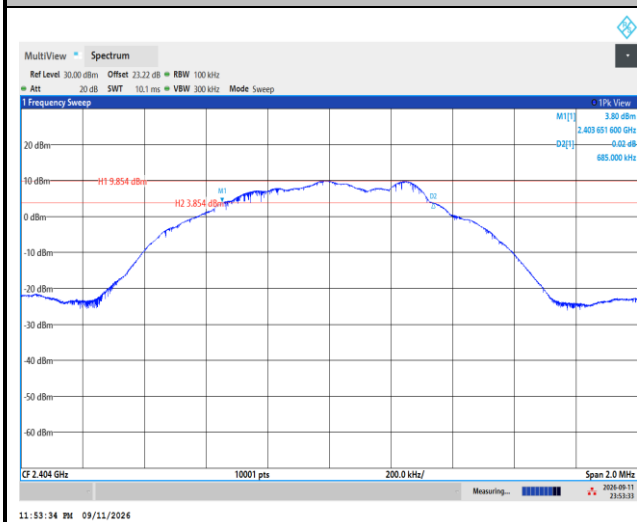


Number of TX = 1, Ant. 3 (Measured)

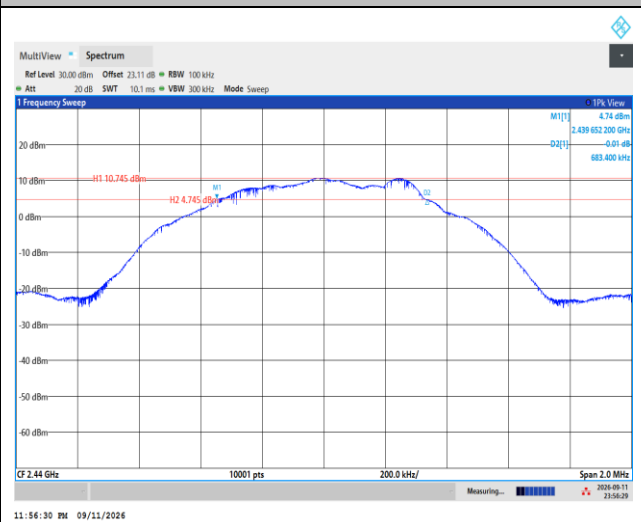
6dB Bandwidth

<1M>

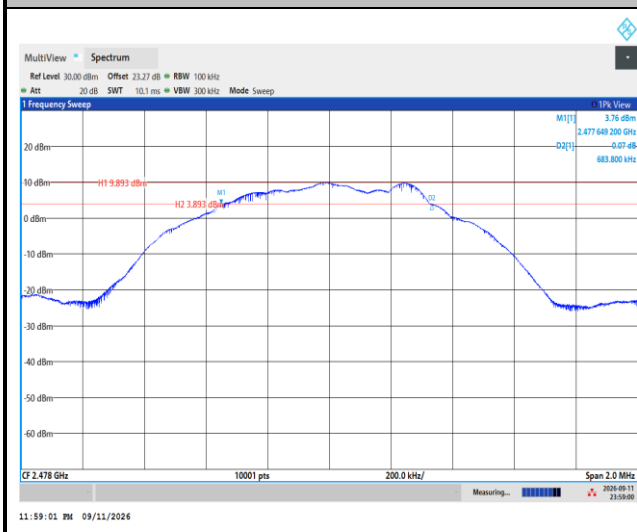
6 dB Bandwidth Plot on Channel 02



6 dB Bandwidth Plot on Channel 38



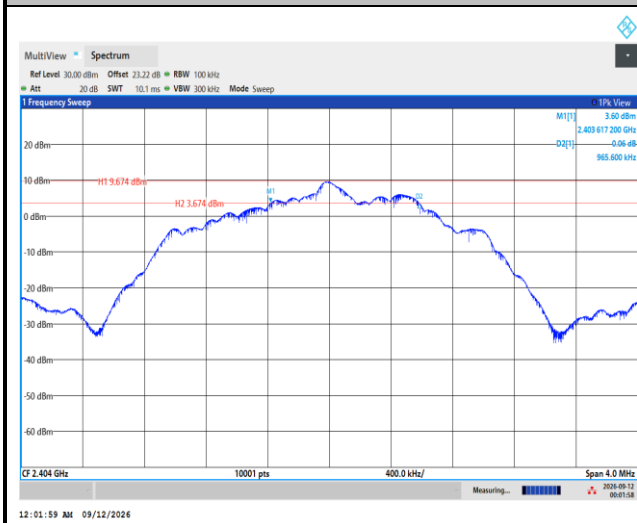
6 dB Bandwidth Plot on Channel 76



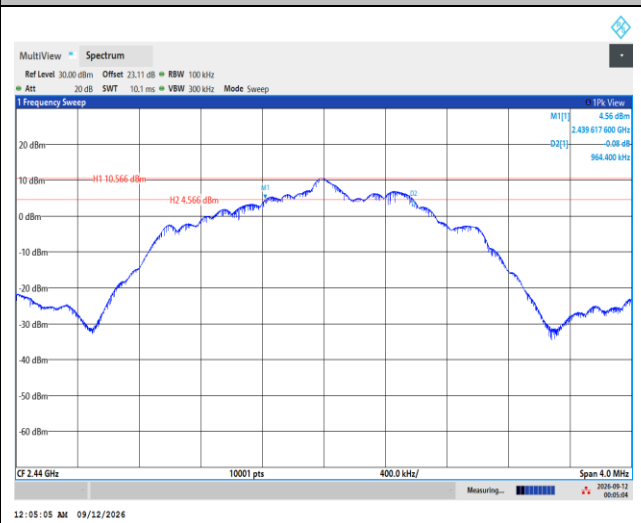


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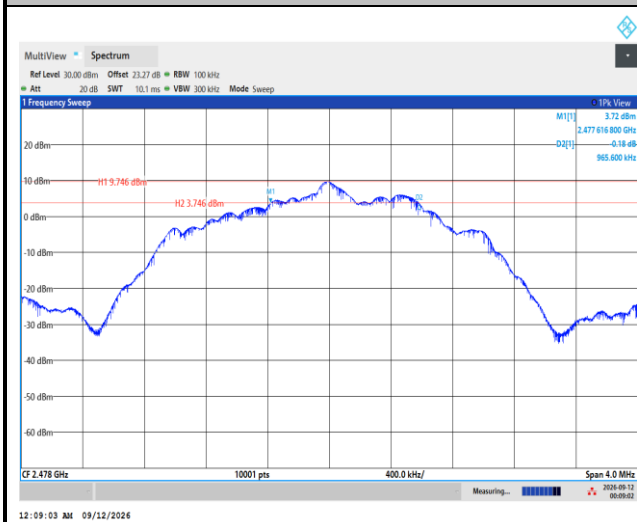
6 dB Bandwidth Plot on Channel 02



6 dB Bandwidth Plot on Channel 38

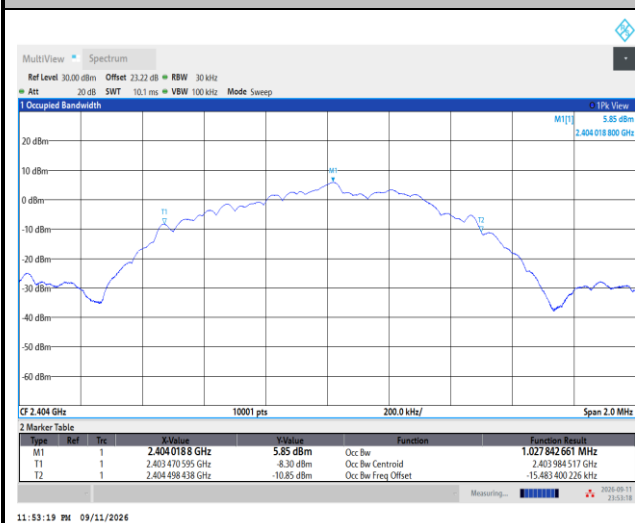
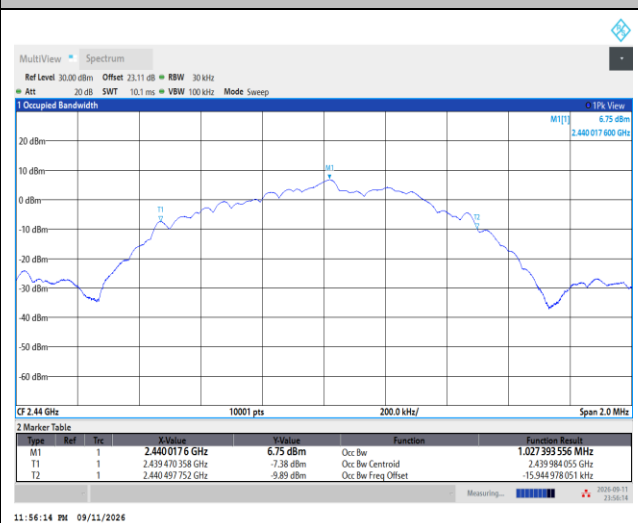
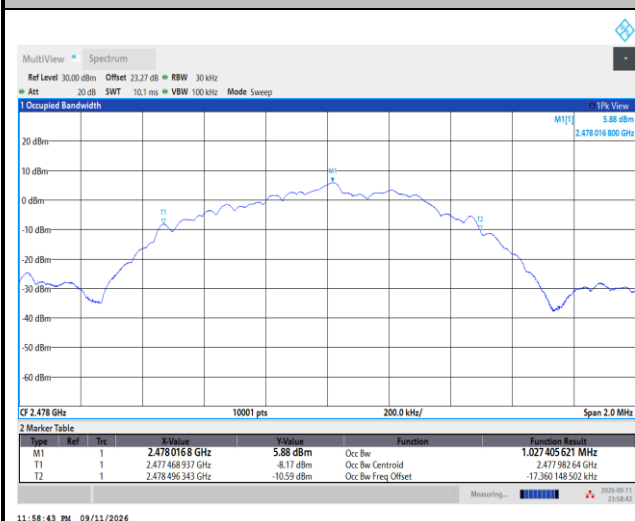


6 dB Bandwidth Plot on Channel 76



**99% Occupied Bandwidth**

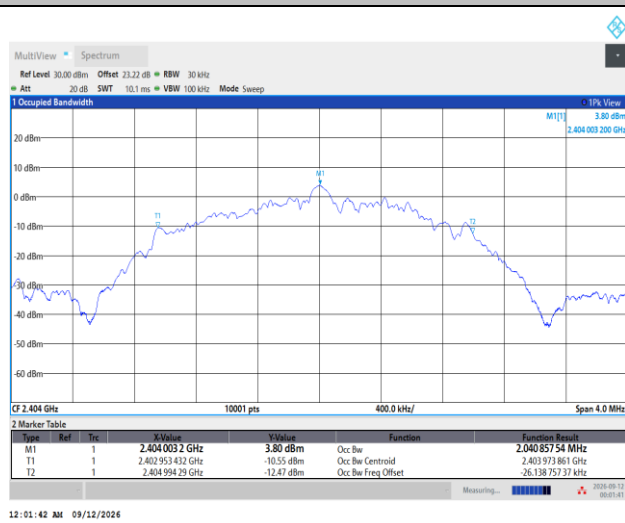
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99% Occupied Bandwidth Plot on Channel 02**99% Occupied Bandwidth Plot on Channel 38****99% Occupied Bandwidth Plot on Channel 76**

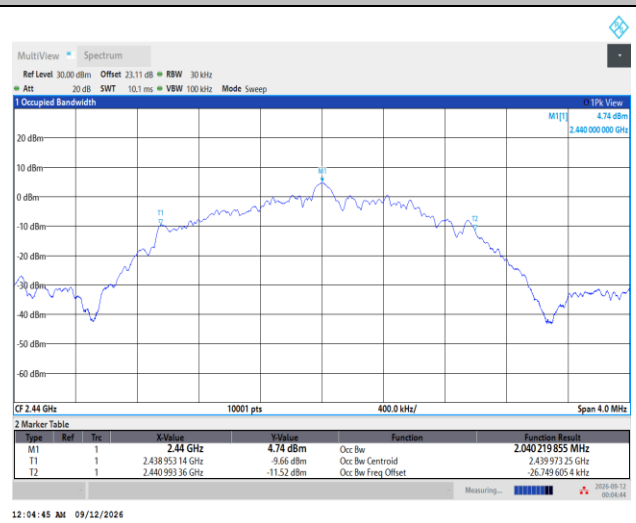


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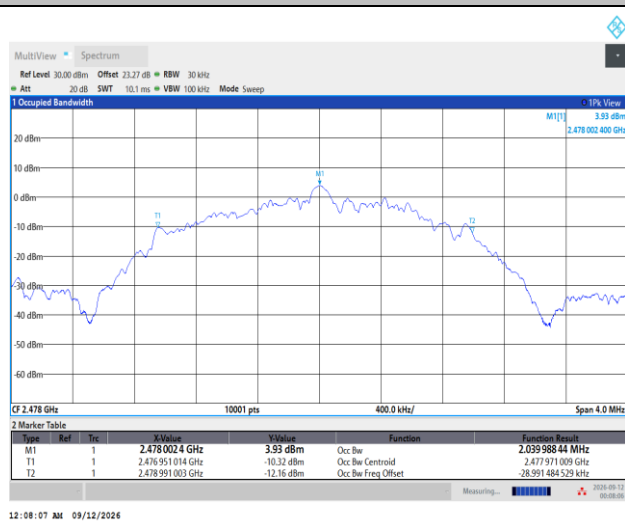
99% Occupied Bandwidth Plot on Channel 02



99% Occupied Bandwidth Plot on Channel 38

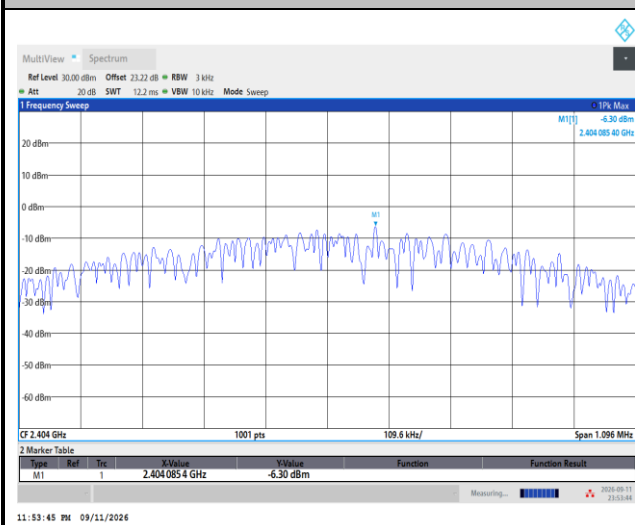
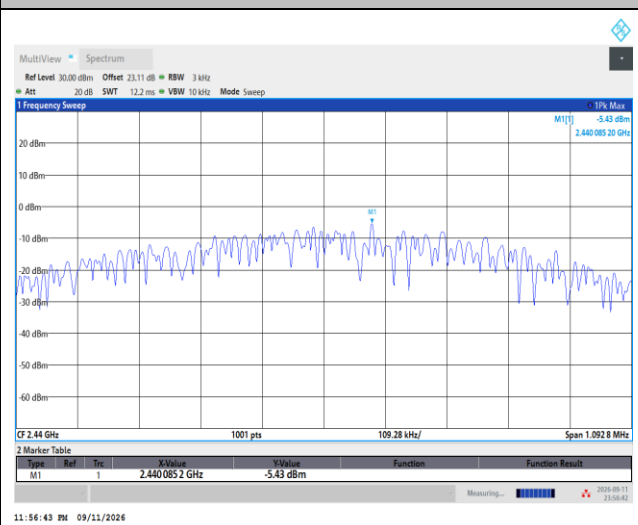
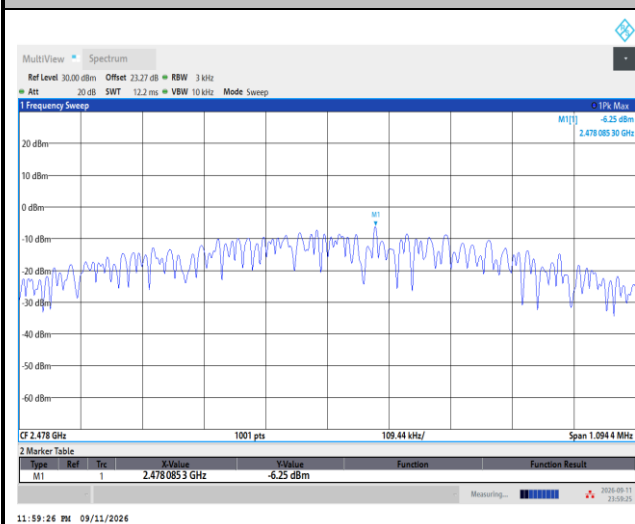


99% Occupied Bandwidth Plot on Channel 76



**Power Spectral Density (dBm/3kHz)**

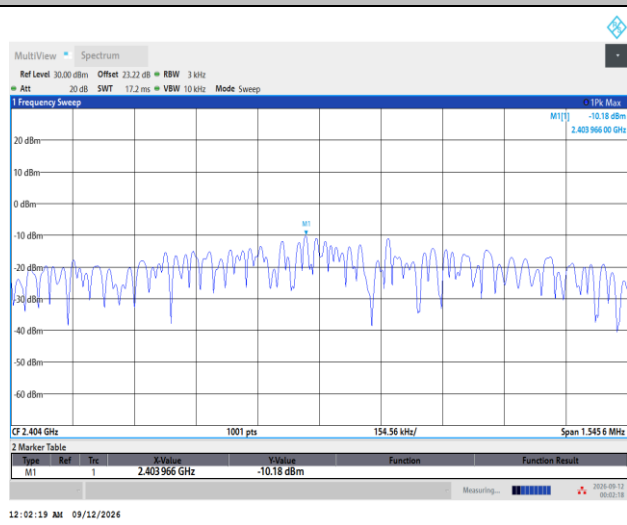
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Power Density (dBm/3kHz) Plot Channel 02**Power Density (dBm/3kHz) Plot Channel 38****Power Density (dBm/3kHz) Plot Channel 76**

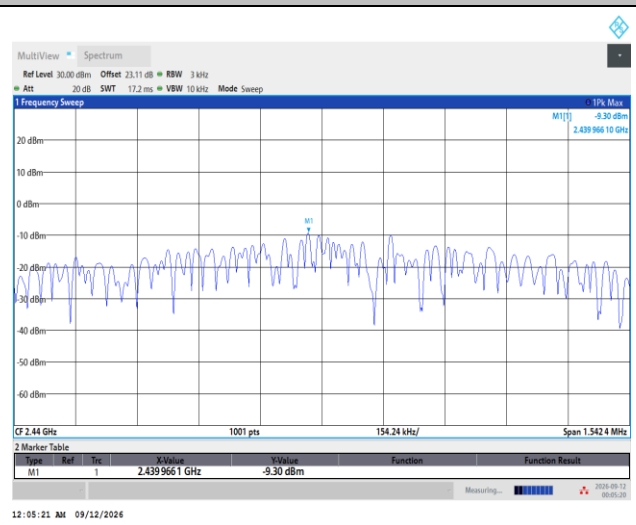


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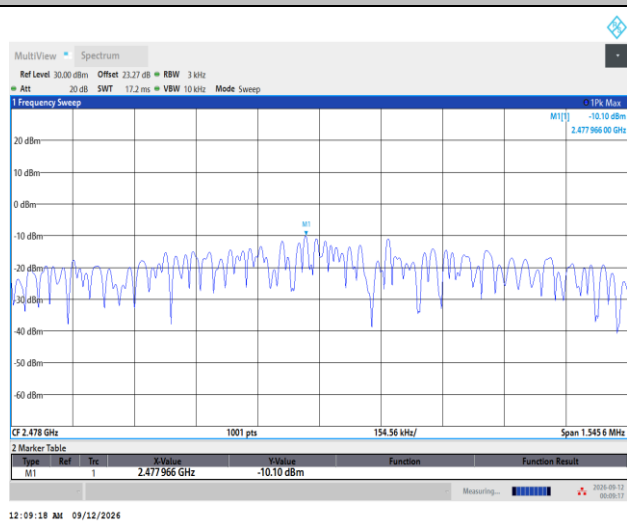
Power Density (dBm/3kHz) Plot Channel 02



Power Density (dBm/3kHz) Plot Channel 38



Power Density (dBm/3kHz) Plot Channel 76



**Band Edge and Conducted Spurious Emission**

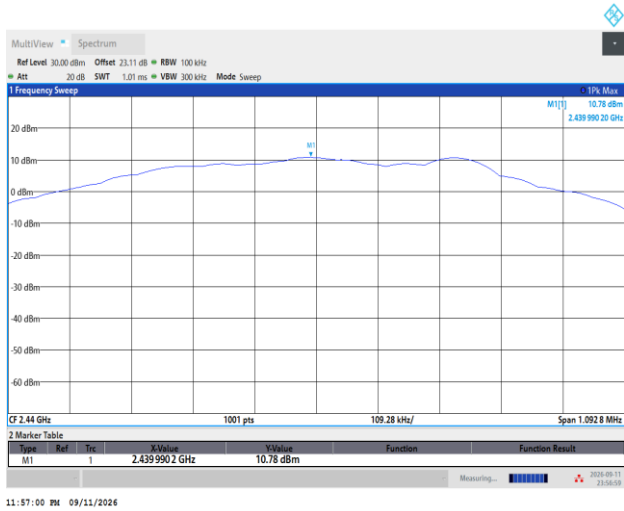
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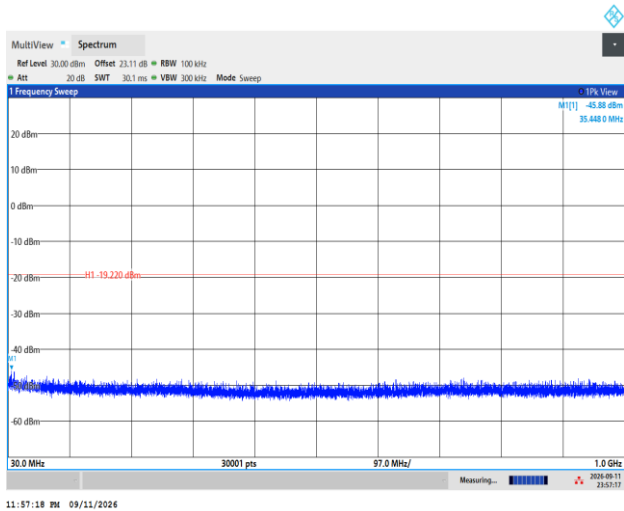


Channel 38

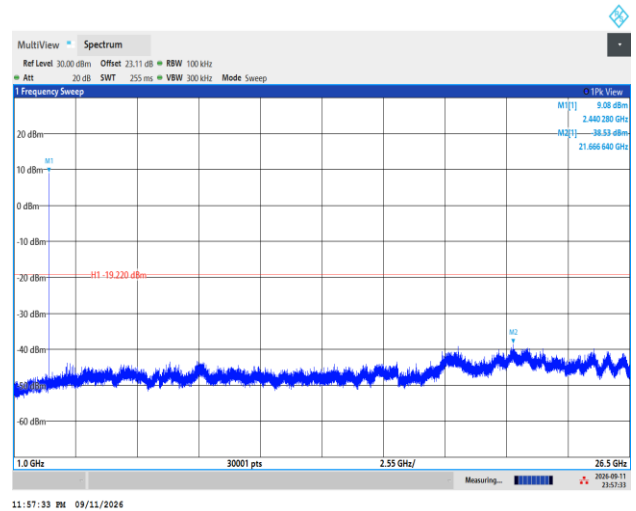
100kHz PSD reference Level Plot



Spurious Emission 30MHz~1GHz Plot



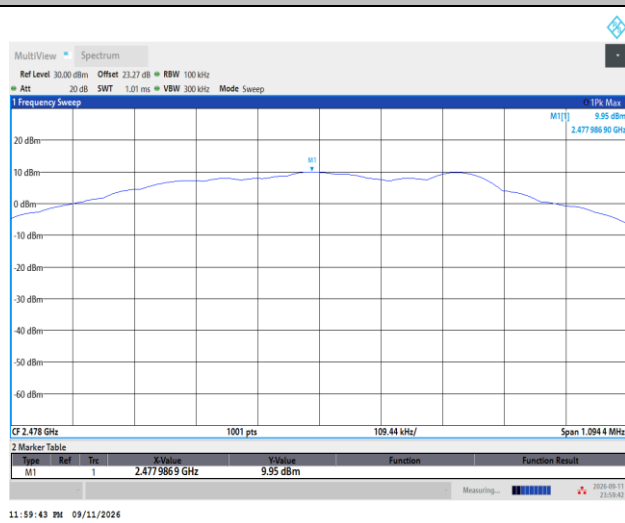
Spurious Emission 1GHz~26.5GHz Plot



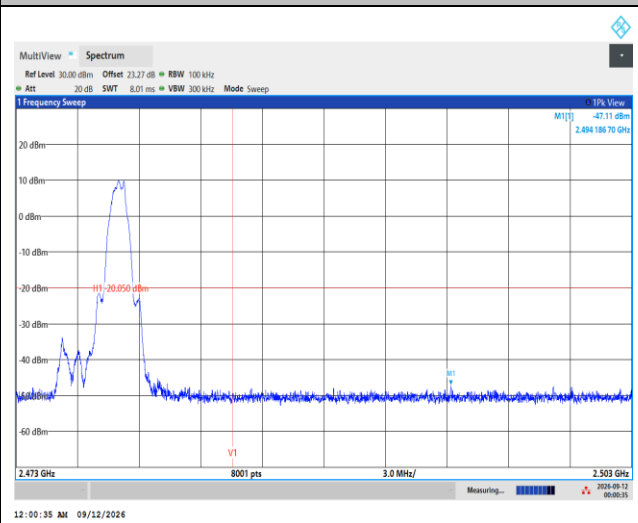


Channel 76

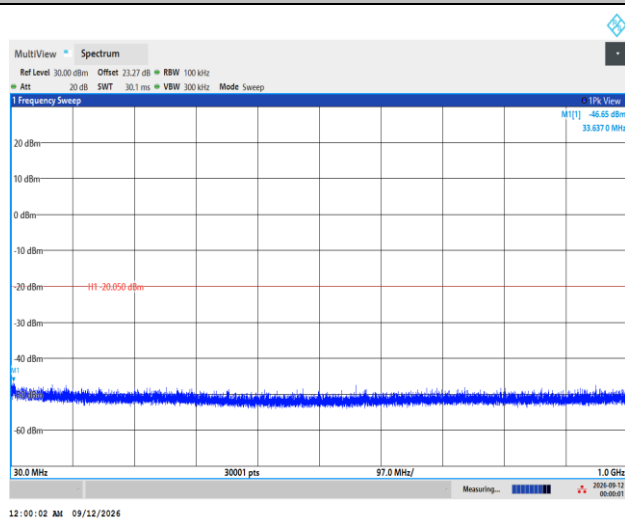
100kHz PSD reference Level Plot



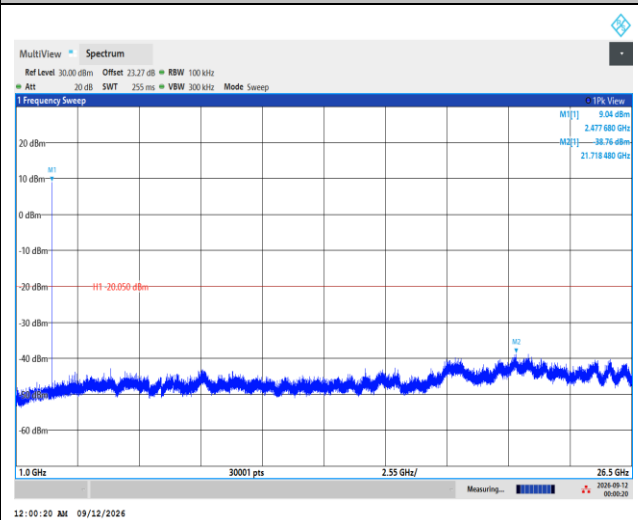
Plot on Channel 76



Spurious Emission 30MHz~1GHz Plot

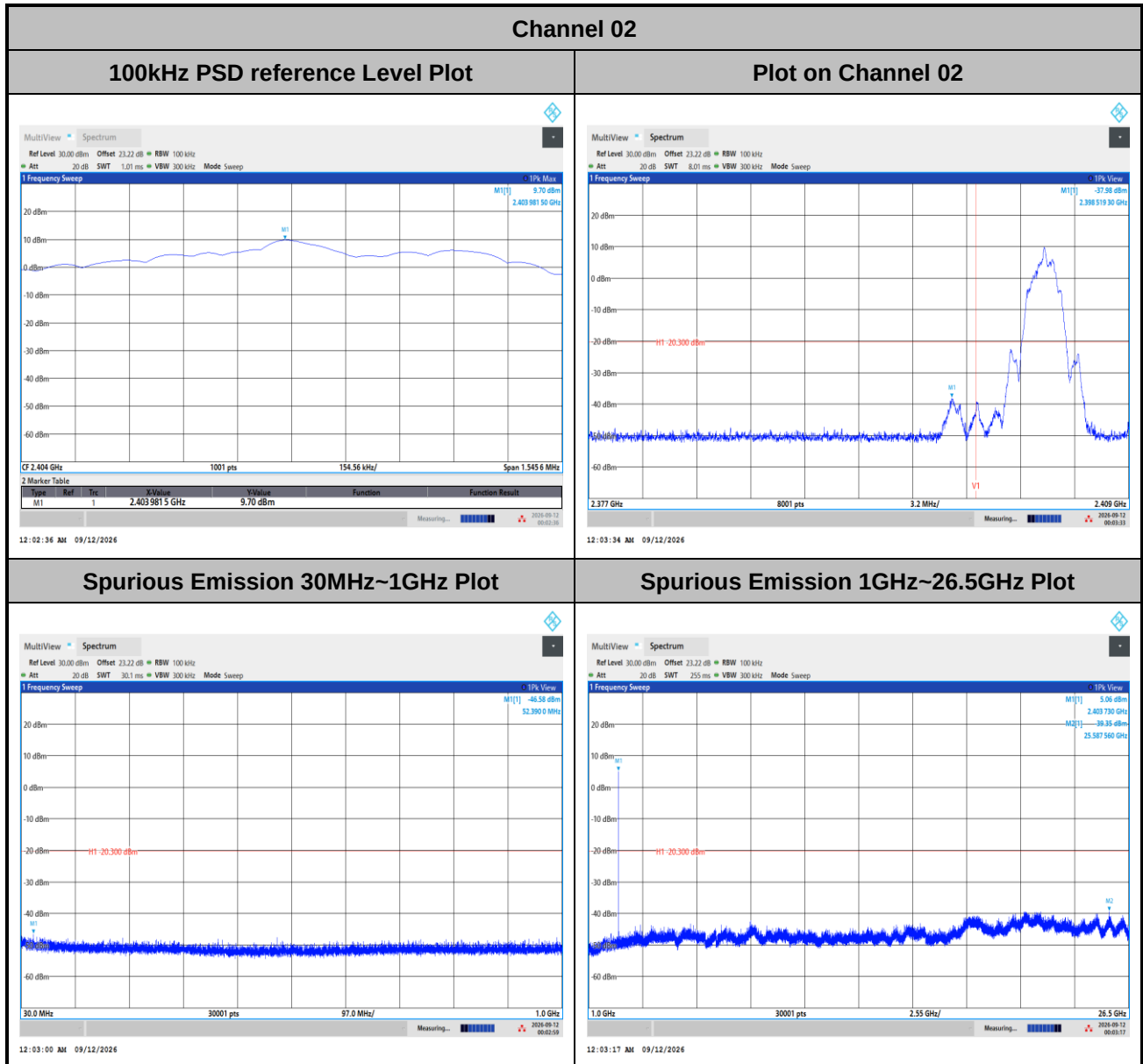


Spurious Emission 1GHz~26.5GHz Plot





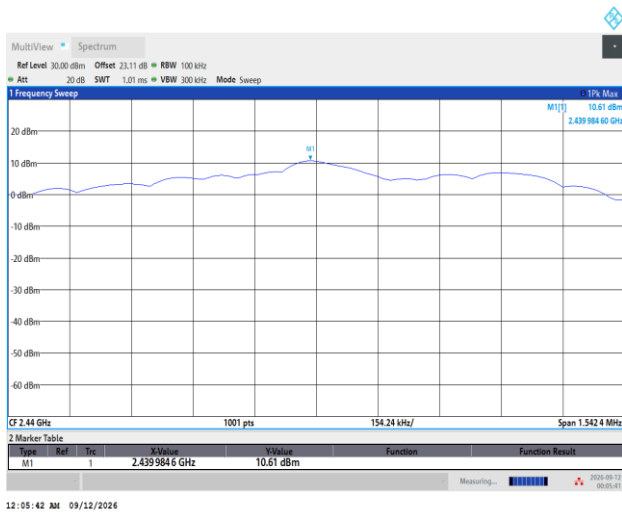
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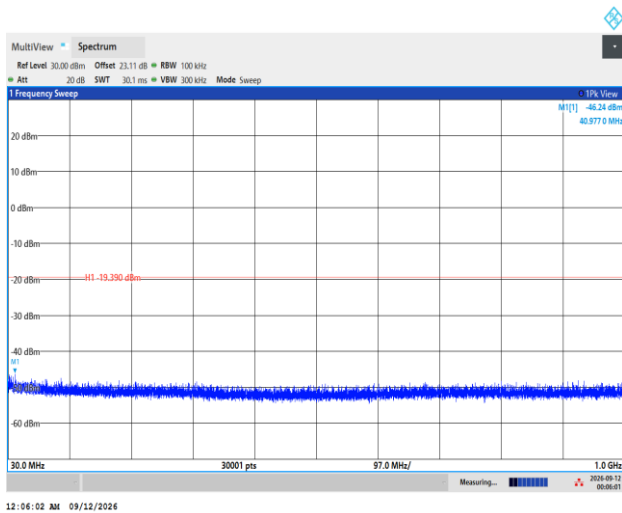


Channel 38

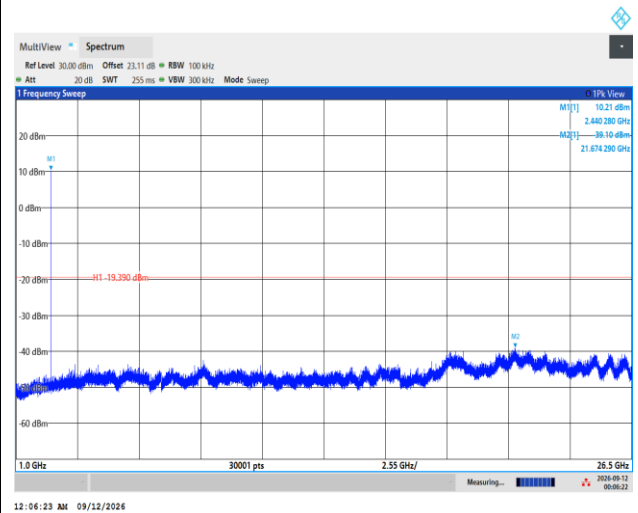
100kHz PSD reference Level Plot



Spurious Emission 30MHz~1GHz Plot



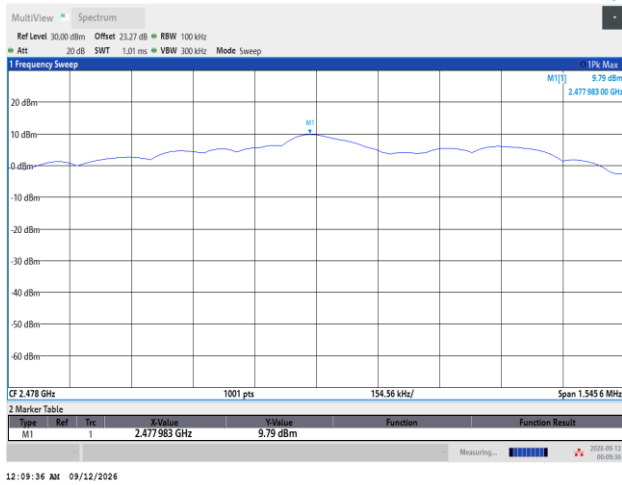
Spurious Emission 1GHz~26.5GHz Plot



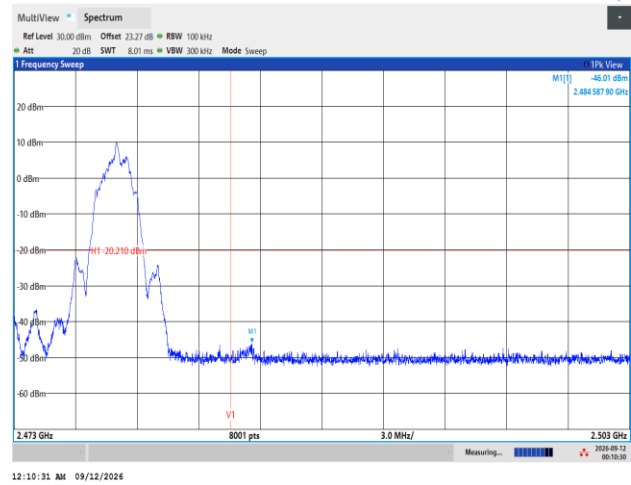


Channel 76

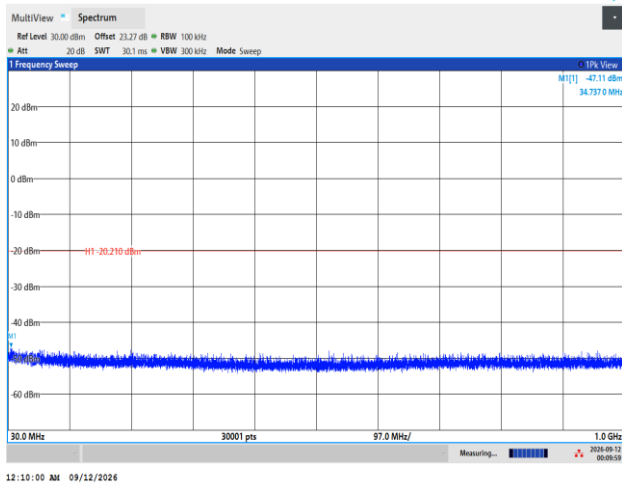
100kHz PSD reference Level Plot



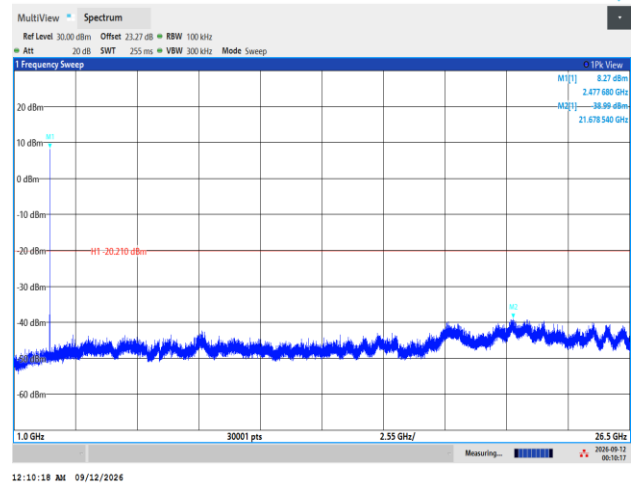
Plot on Channel 76



Spurious Emission 30MHz~1GHz Plot



Spurious Emission 1GHz~26.5GHz Plot



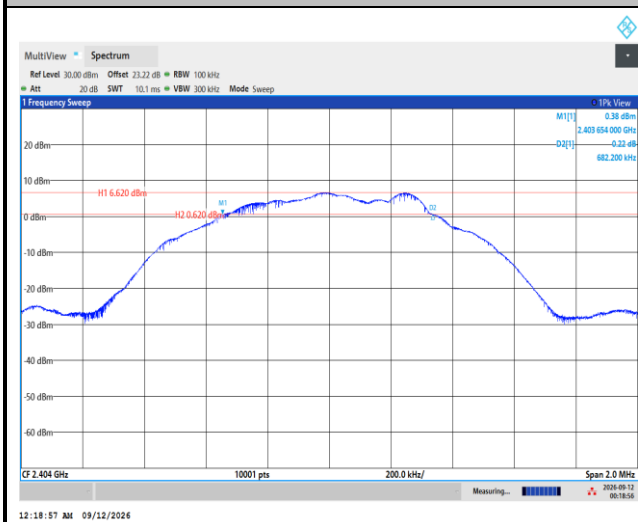


Number of TX = 2, Ant. 6 (Measured)

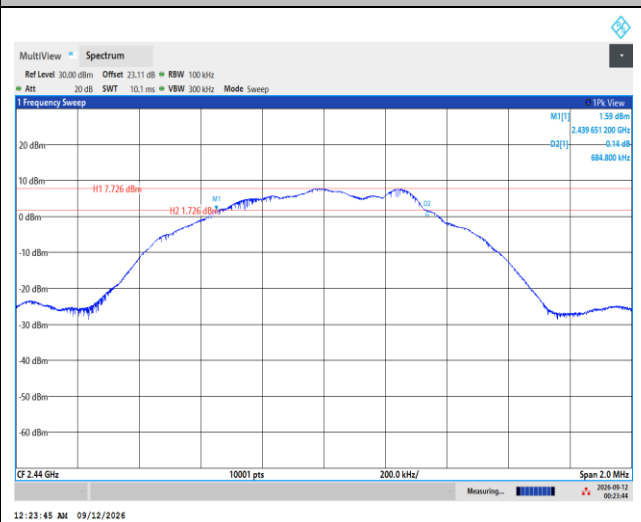
6dB Bandwidth

<1M>

6 dB Bandwidth Plot on Channel 02



6 dB Bandwidth Plot on Channel 38



6 dB Bandwidth Plot on Channel 76

