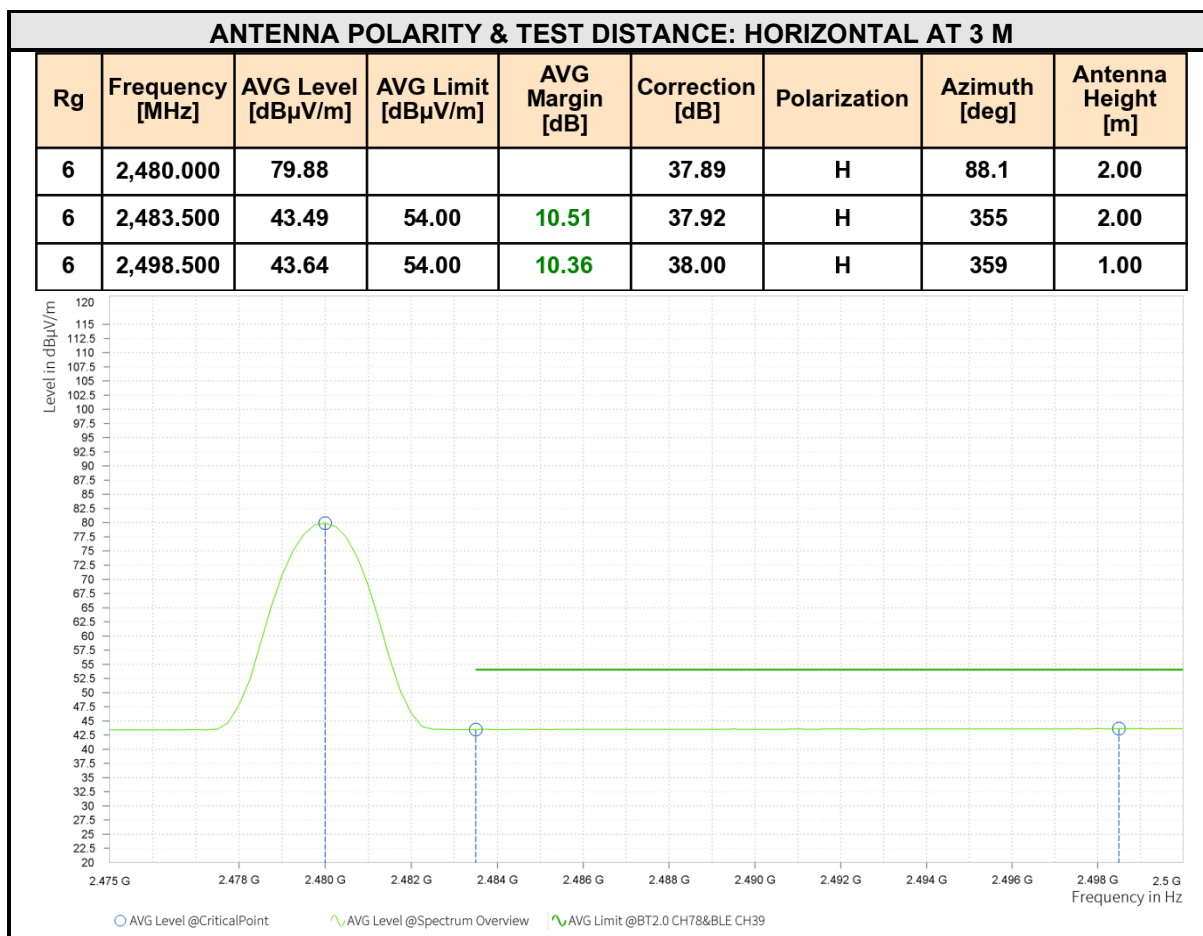
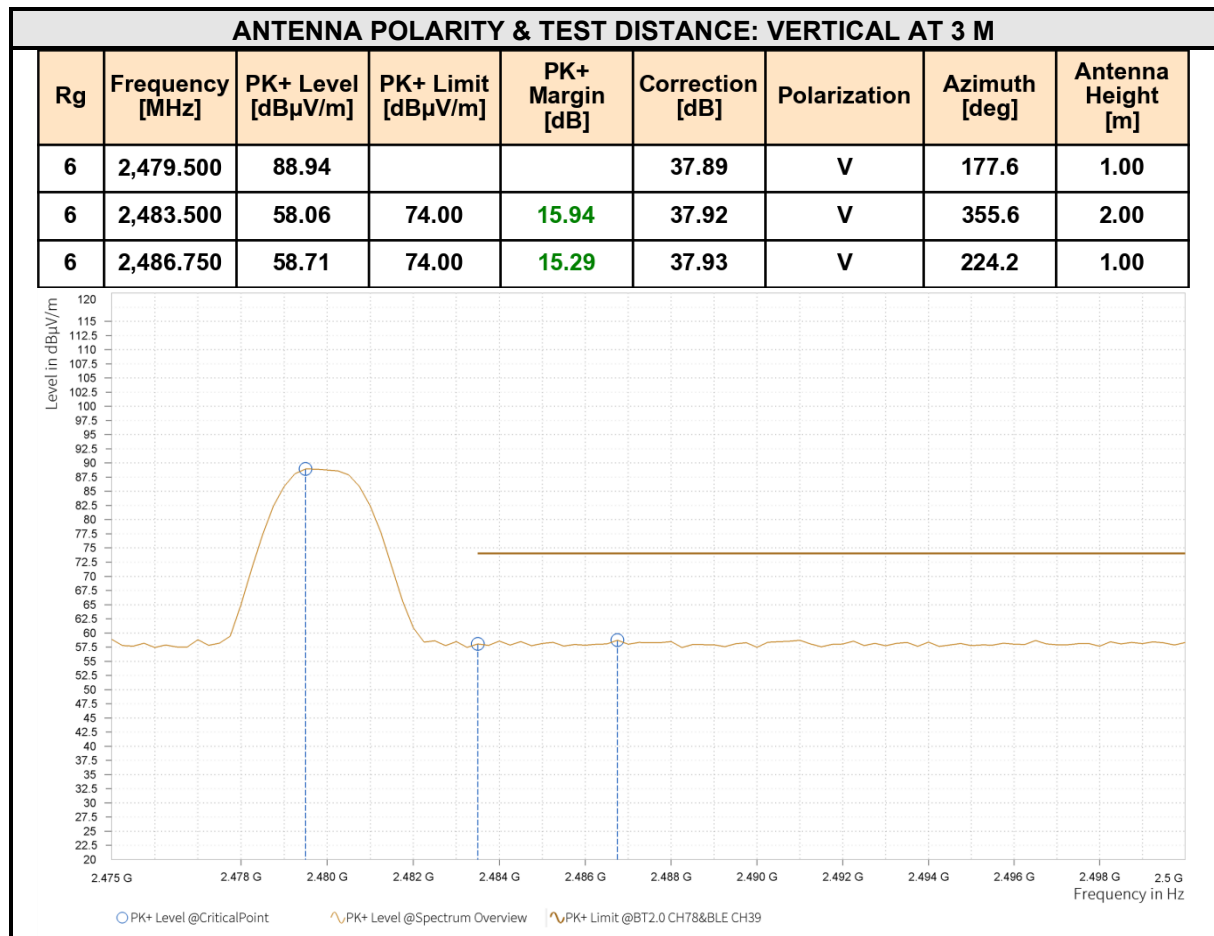
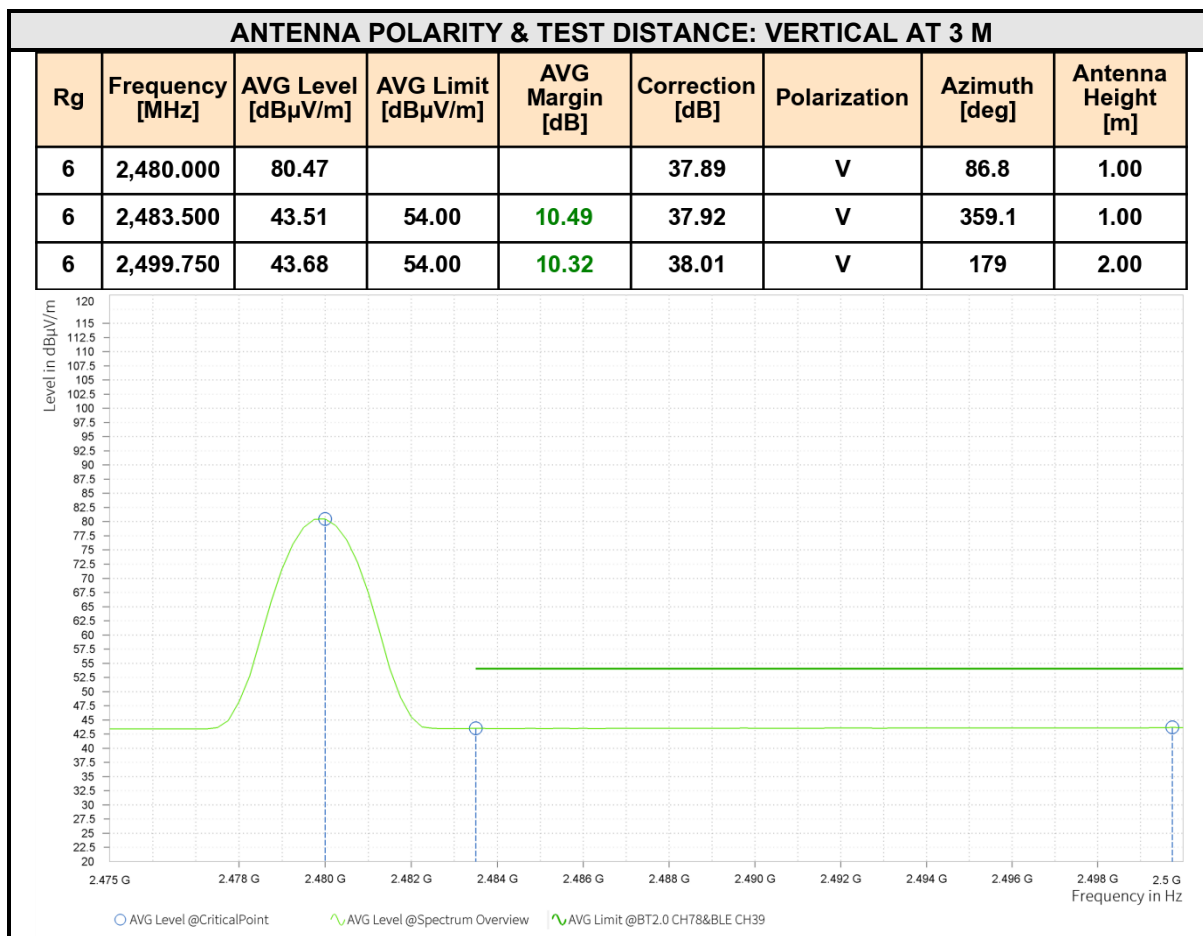


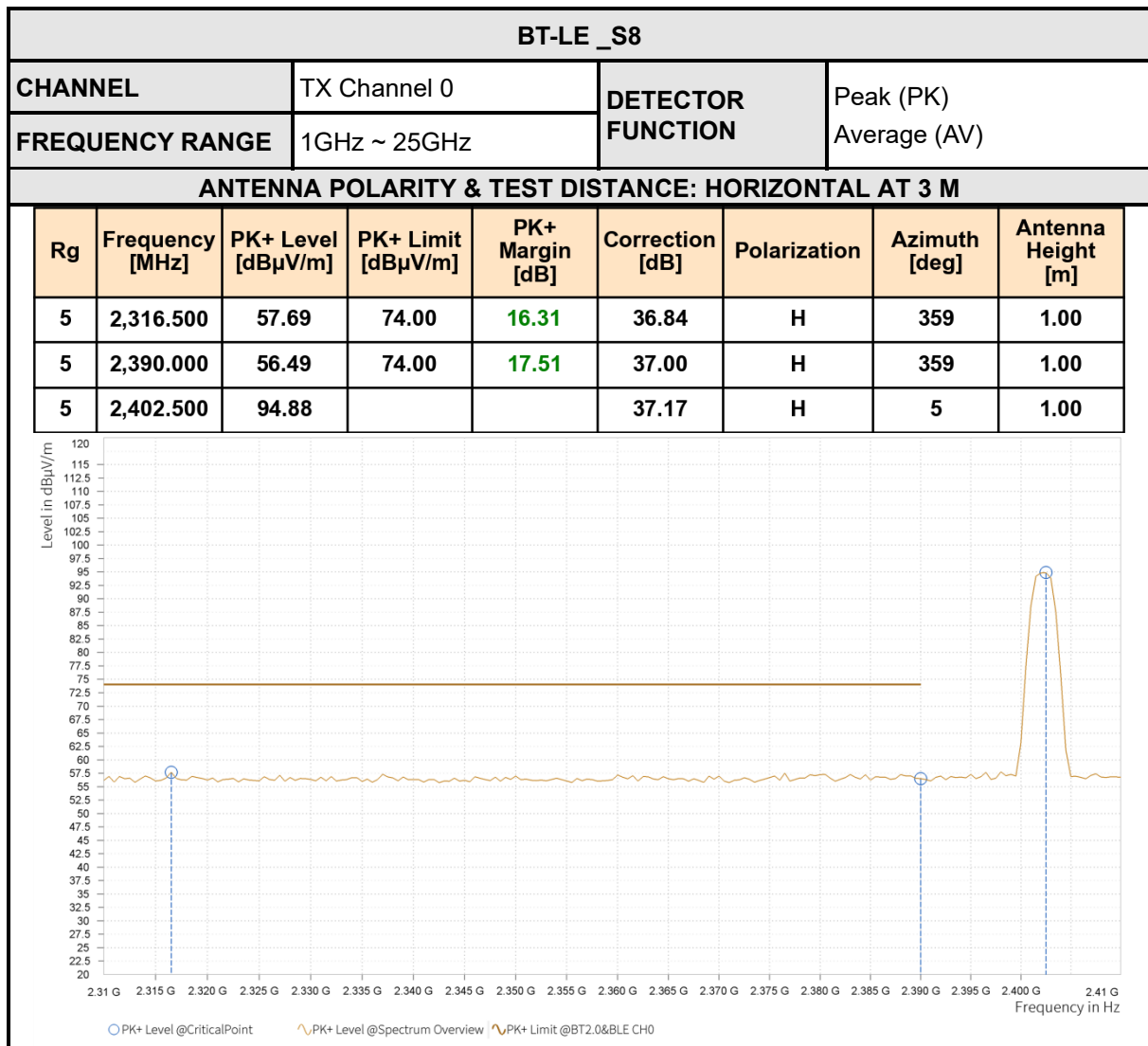


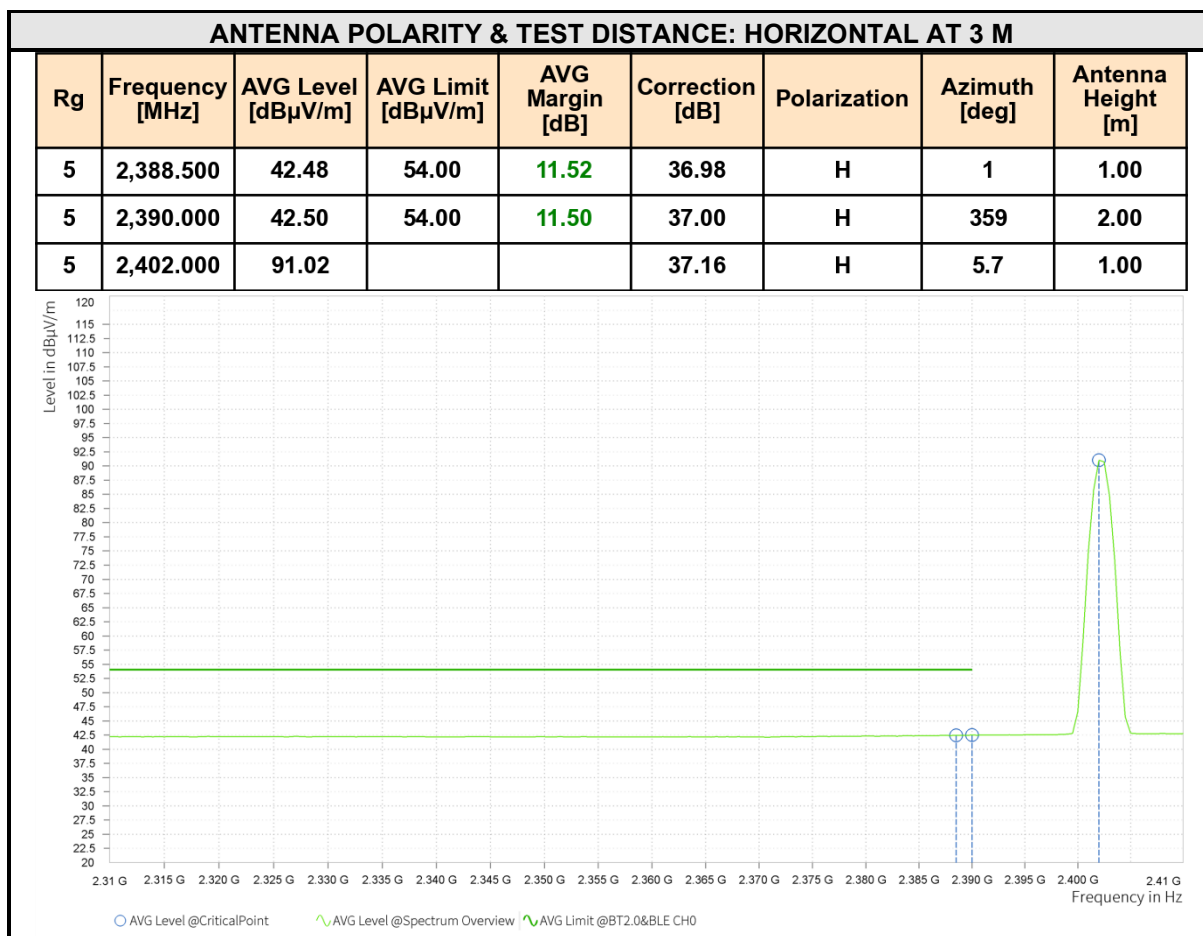




REMARKS:

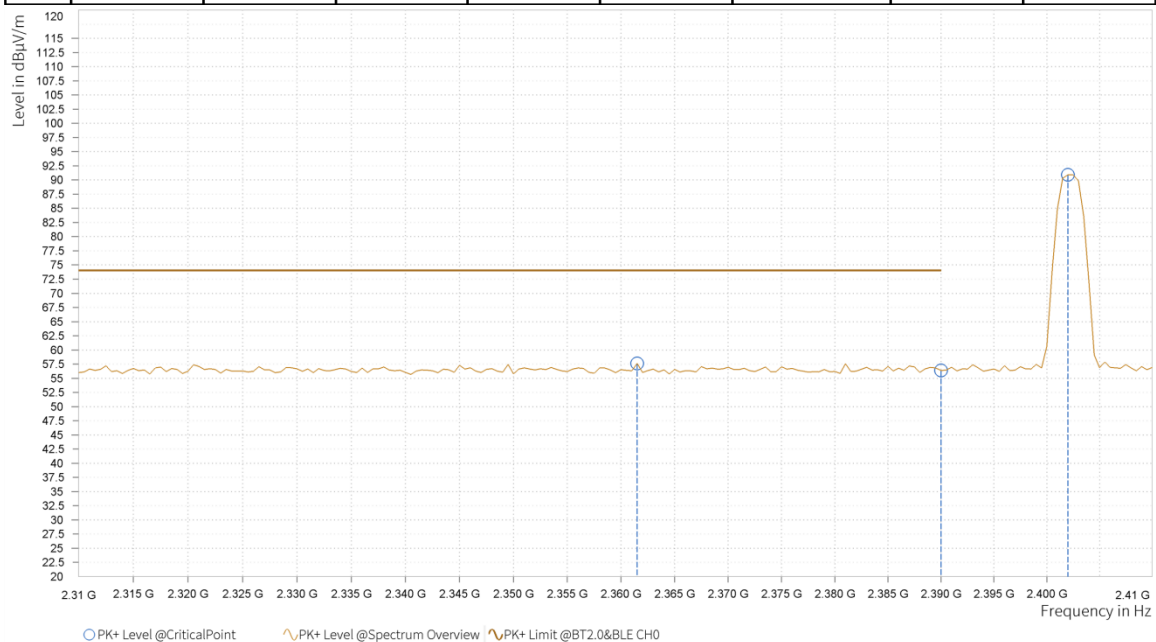
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
2. Margin value = Limit value–Emission level.
3. 2480MHz: Fundamental frequency.

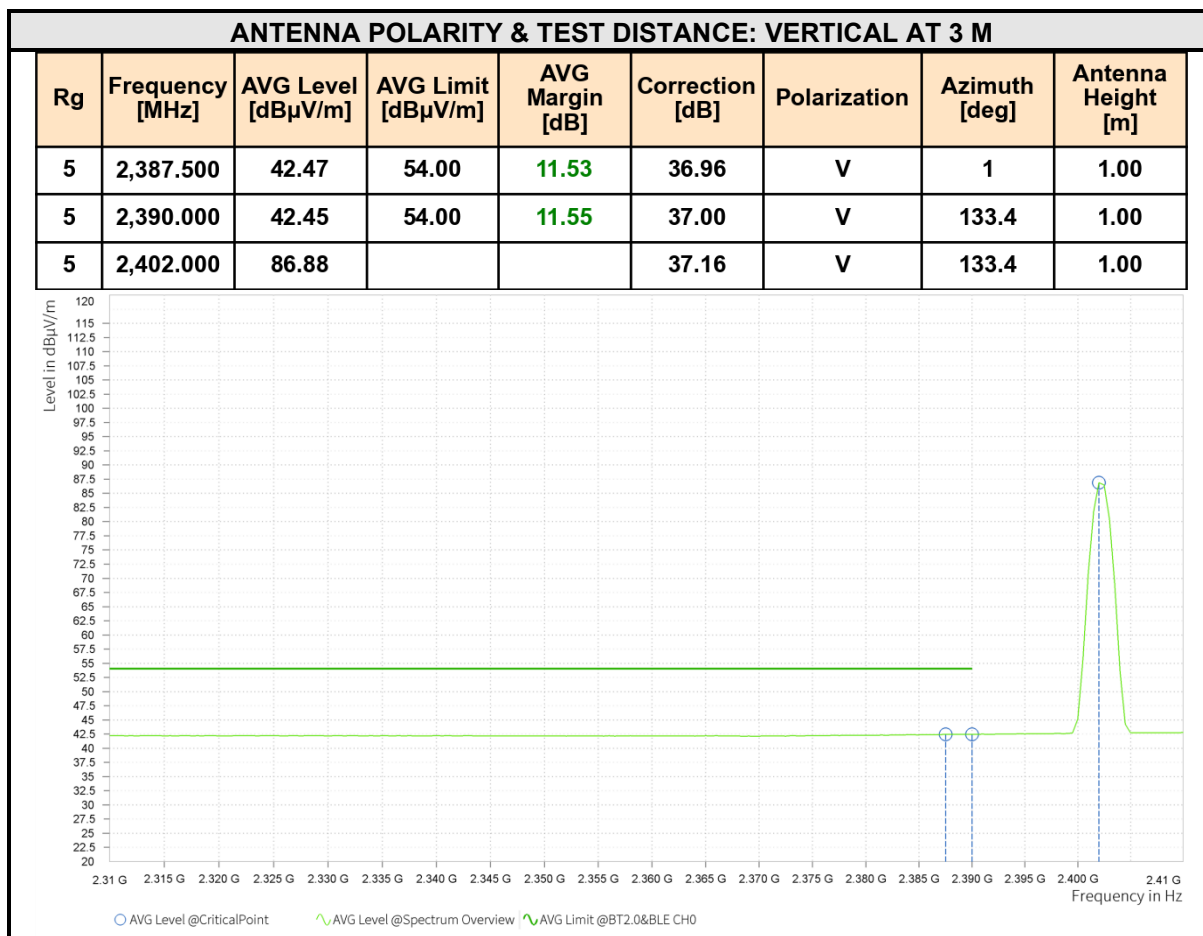




ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

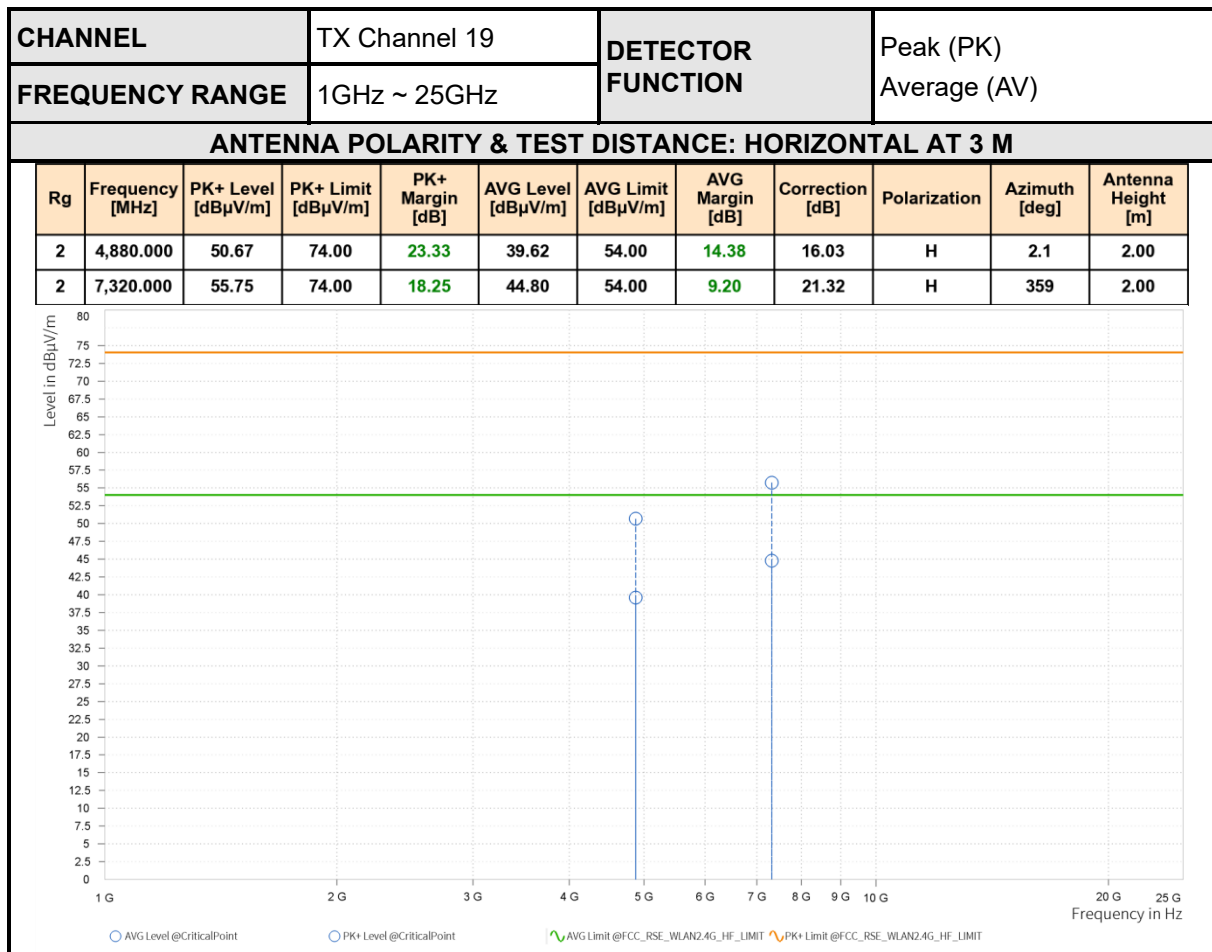
Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	2,361.500	57.64	74.00	16.36	36.75	V	226.7	2.00
5	2,390.000	56.37	74.00	17.63	37.00	V	268.4	1.00
5	2,402.000	90.91			37.16	V	132.2	1.00

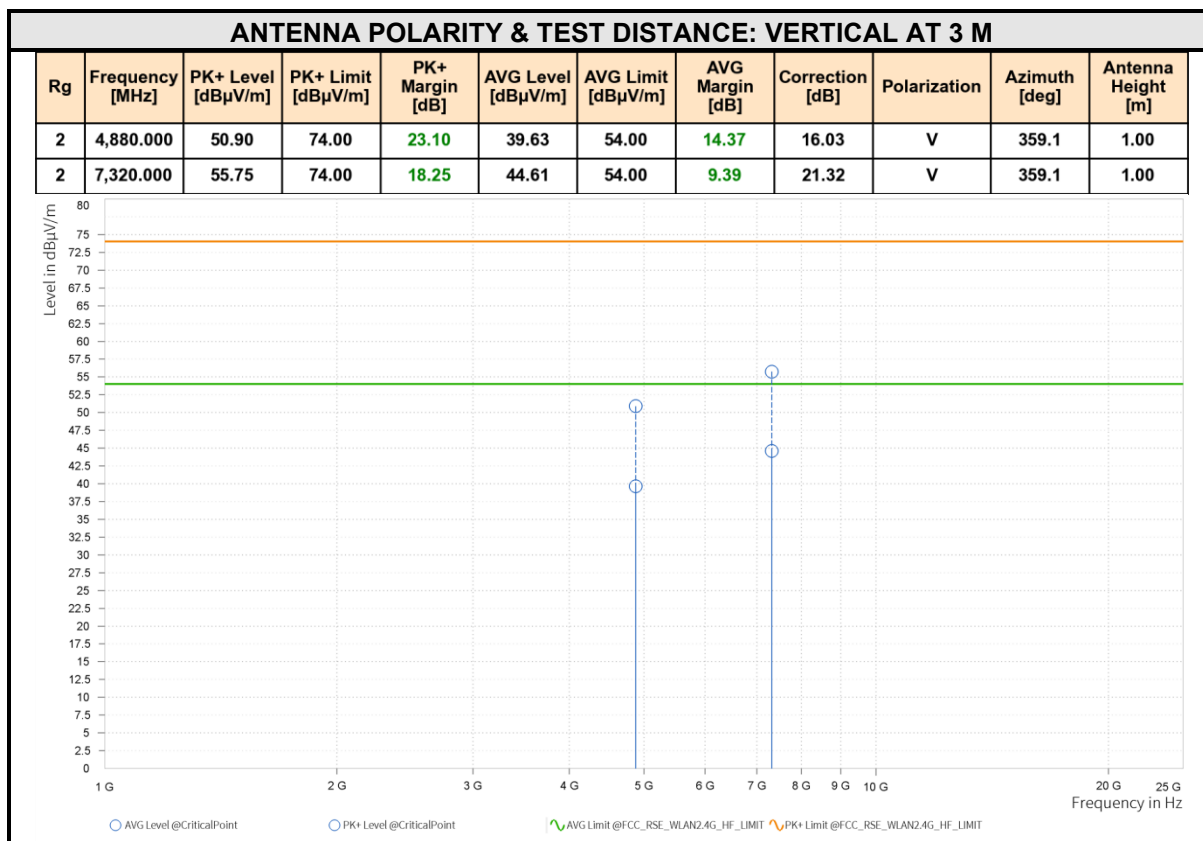




REMARKS:

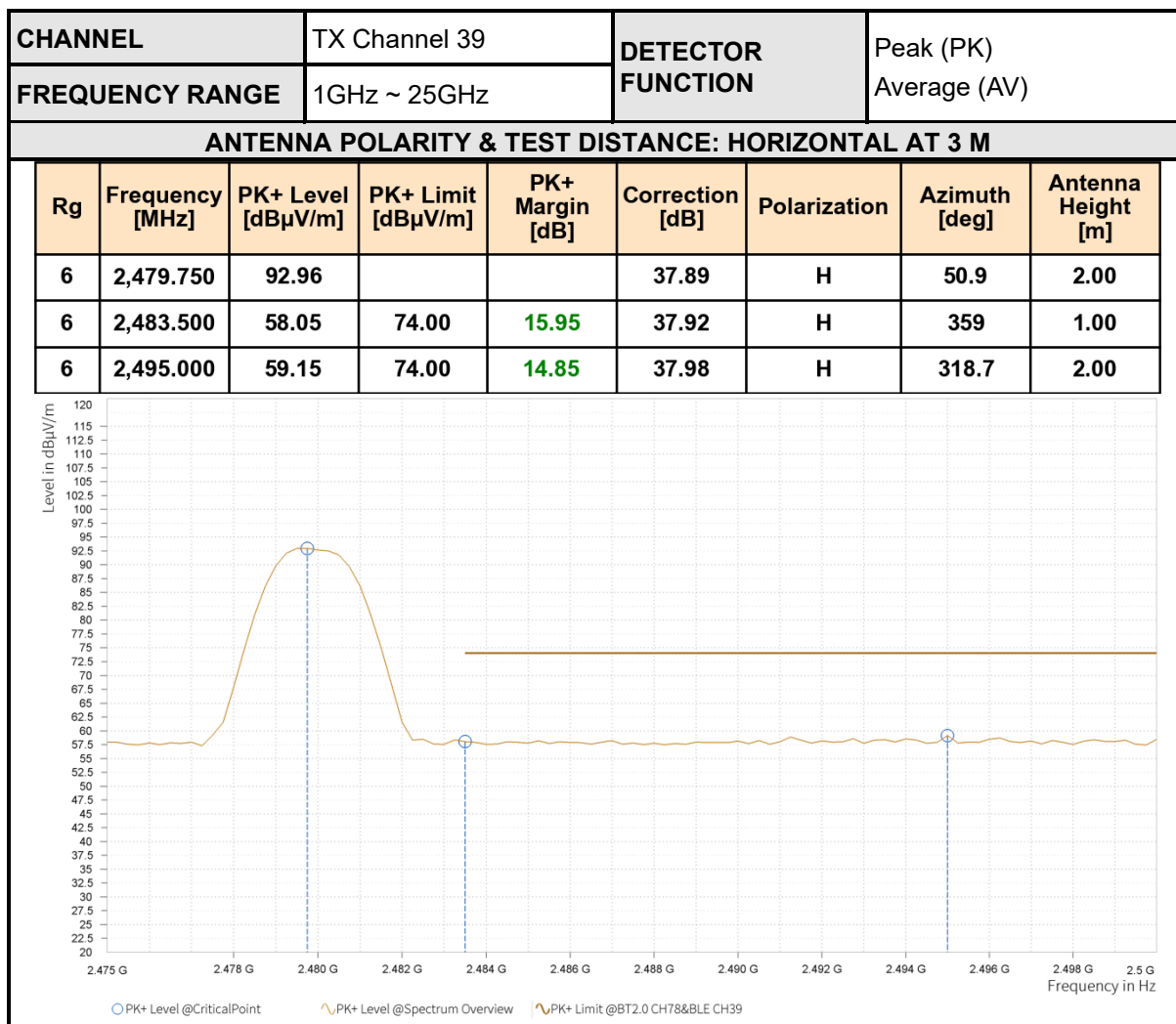
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor.
2. Margin value = Limit value–Emission level.
3. 2402MHz: Fundamental frequency.

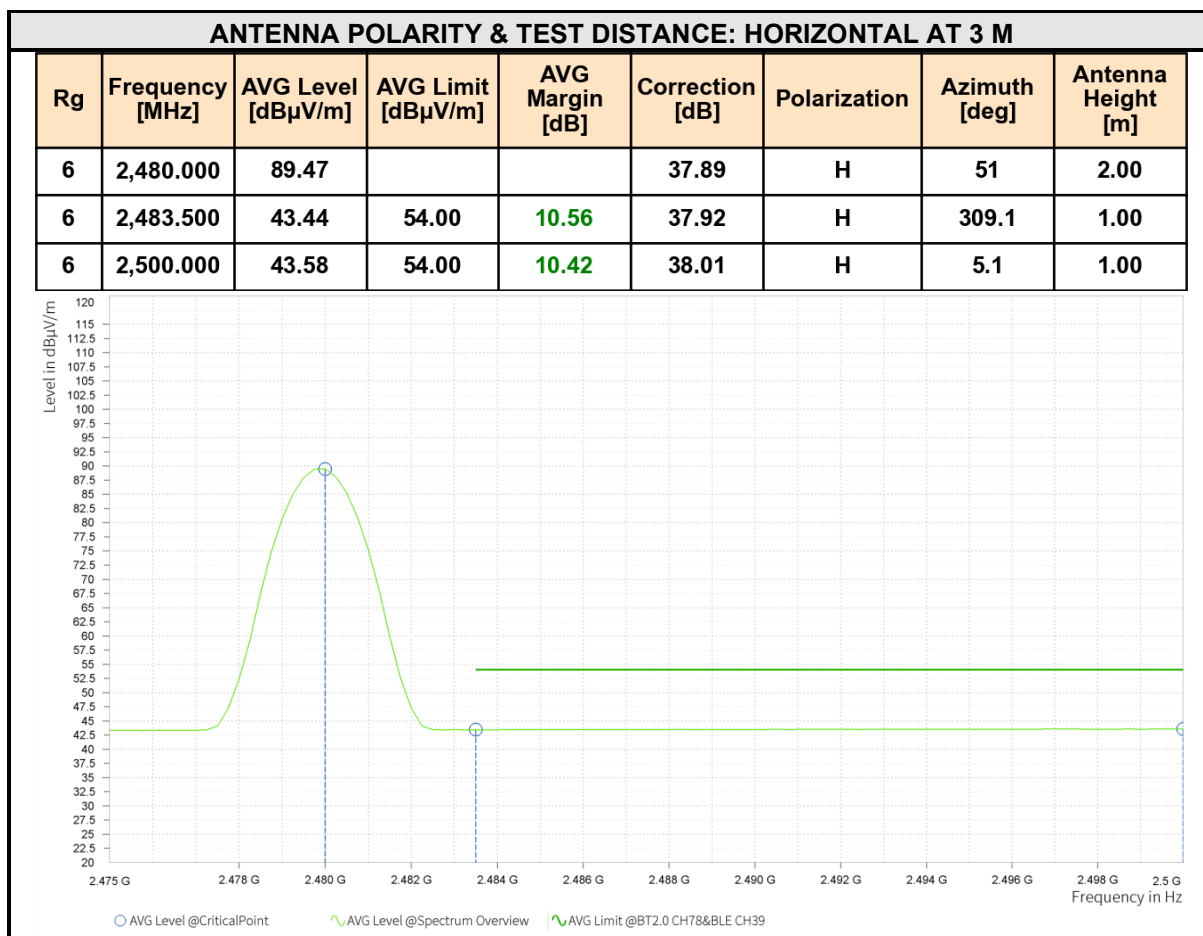


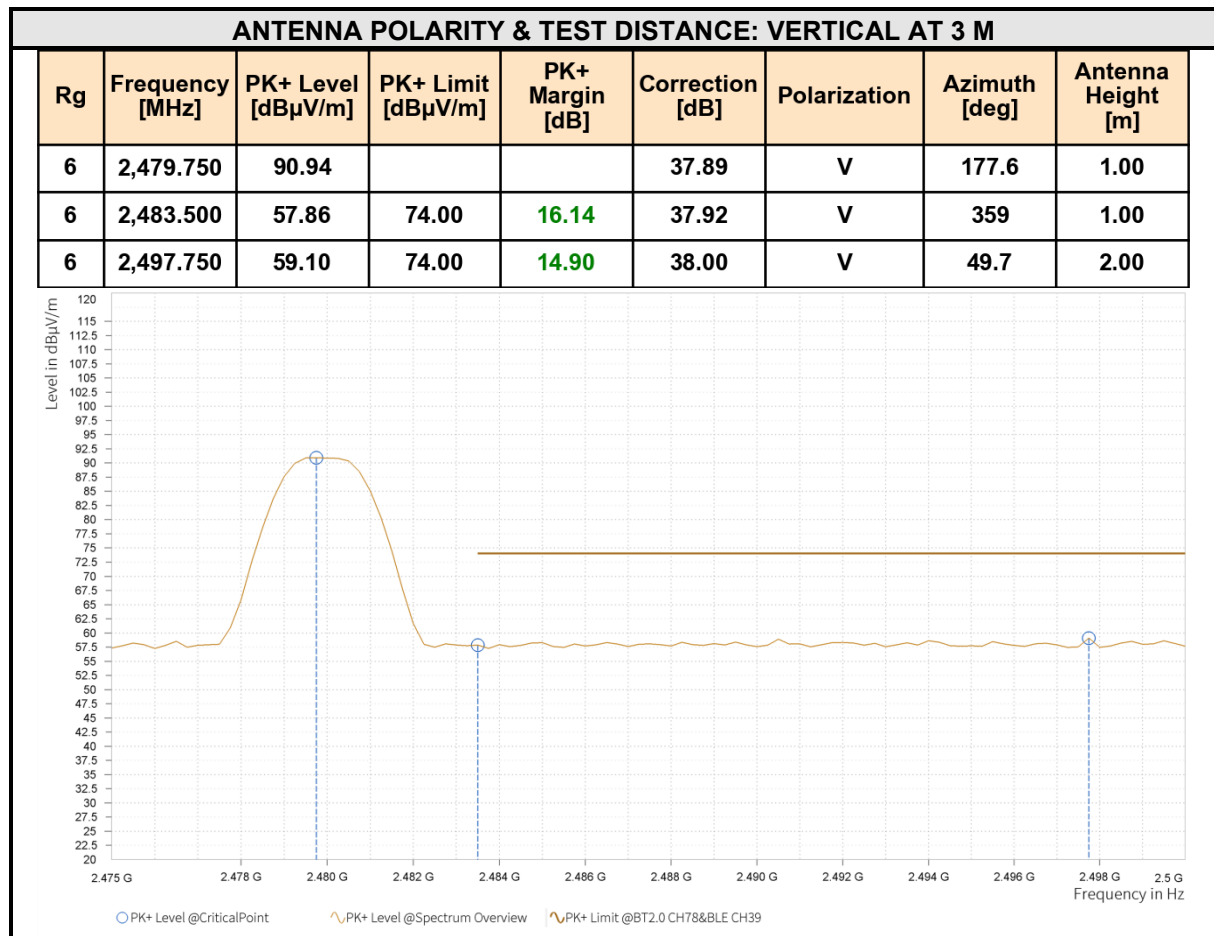


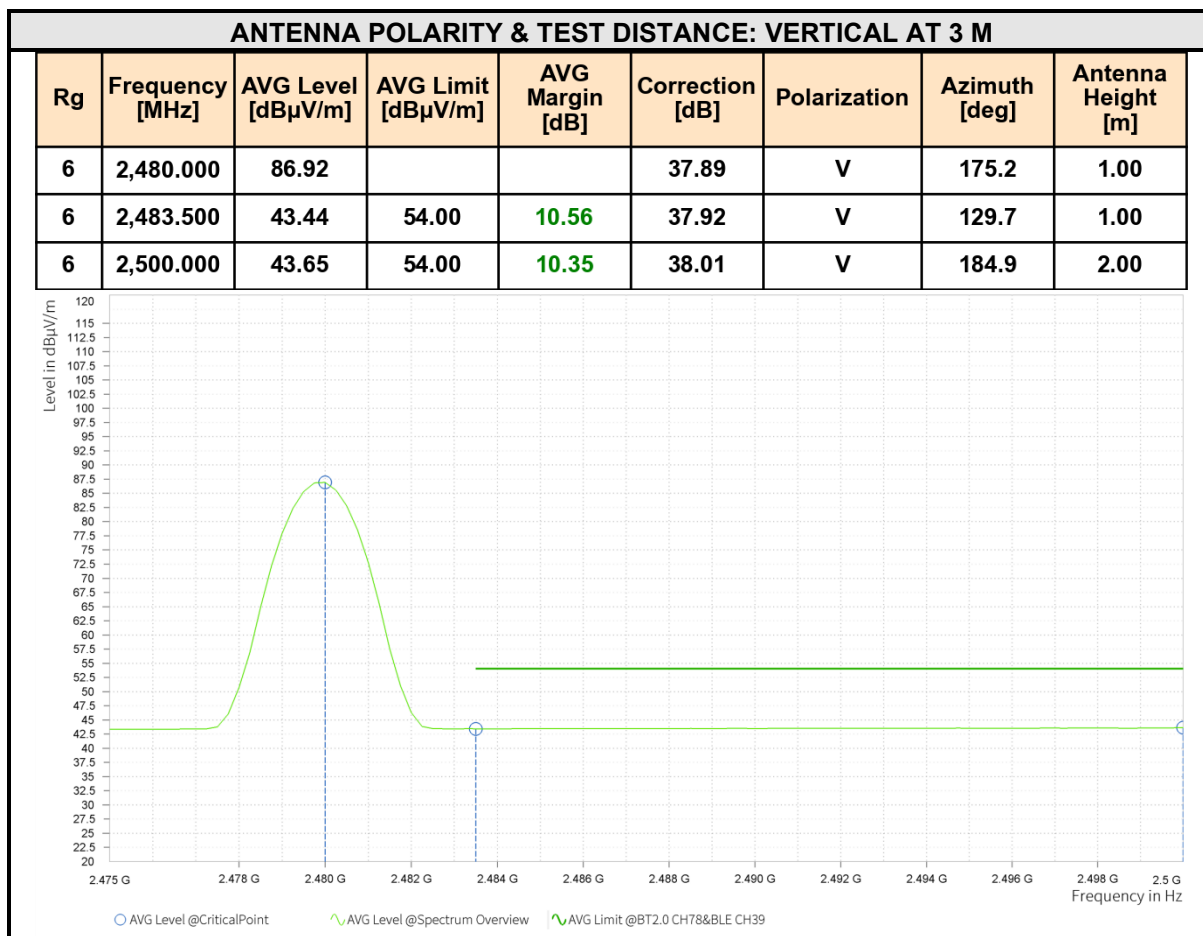
REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
2. Margin value = Limit value–Emission level.
3. 2440MHz: Fundamental frequency.









REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
2. Margin value = Limit value–Emission level.
3. 2480MHz: Fundamental frequency.

3.3 6 dB BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Wireless communication integrated tester	Rohde&Schwarz	CMW500	166205	2025/6/30	2026/6/29
Wireless communication integrated tester	Rohde&Schwarz	CMW500	166205	2026/6/29	2027/6/28
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60112669	2025/8/27	2026/8/26
WiFi 7GHz Band Extender	Tonscend	TS-WF7U2	806WF7U003305251003	2026/1/16	2027/1/15
RF Control Unit	Tonscend	JS0806-2	806JS2X020201251002	2026/1/16	2027/1/15
PSG Analog Signal Generator	Agilent	E8257D	MY51111397	2025/7/01	2026/6/30
PSG Analog Signal Generator	Agilent	E8257D	MY51111397	2026/6/30	2027/6/29
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY61250150	2026/1/14	2027/1/13
DC Power Supply	AGILENT	HMP2020	100598	2025/7/01	2026/6/30
DC Power Supply	AGILENT	HMP2020	100598	2026/6/30	2027/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2025/6/30	2026/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2026/6/29	2027/6/28
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2025/6/30	2026/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2026/6/29	2027/6/28
hygrothermograph	Anymetrers	----	TH101B	2025/7/22	2026/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/01	2026/6/30
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2026/6/30	2027/6/29
power divider	WOKEN	71688	204-003180-01	2025/6/30	2026/6/29
power divider	WOKEN	71688	204-003180-01	2026/6/29	2027/6/28

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
- The test was performed in RF Oven room.

3.3.3 TEST PROCEDURE

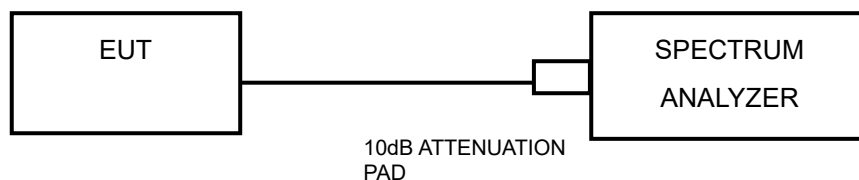
In accordance with ANSI C63.10-2020 11.8.1 Option 1:

- a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100kHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Sweep = No faster than coupled (auto) time.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB downamplitude” value, then it shall be as close as possible to this value.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation.

3.3.5 TEST SETUP



3.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.3.7 TEST RESULTS

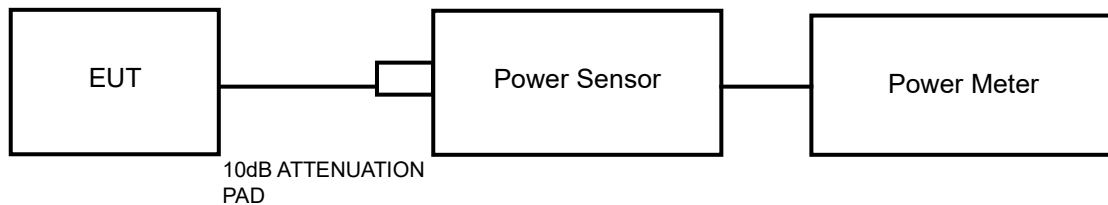
Please Refer to Appendix A/B/C/D Of this test report.

3.4 CONDUCTED OUTPUT POWER

3.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm)

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



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3.4.7 TEST RESULTS

3.4.7.1 MAXIMUM PEAK OUTPUT POWER

Please Refer to Appendix A/B/C/D Of this test report.



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3.4.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

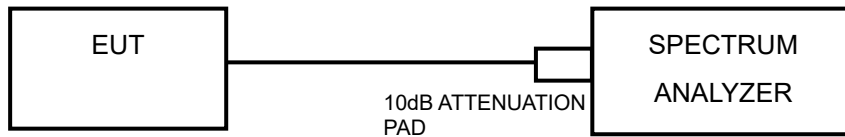
Please Refer to Appendix A/B/C/D Of this test report.

3.5 POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.5.4 TEST PROCEDURE

1. Set the span > 1.5 times the DTS bandwidth
2. Set the RBW = 3 kHz, VBW $\geq 3 \times$ RBW, Detector = peak.
3. Sweep time = auto couple, Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



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3.5.7 TEST RESULTS

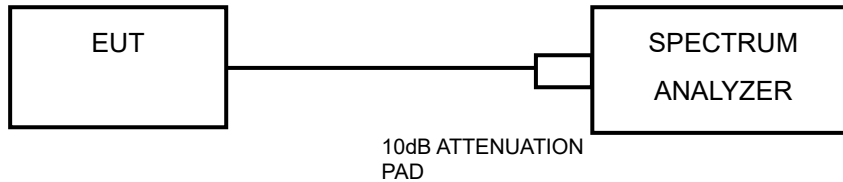
Please Refer to Appendix A/B/C/D Of this test report.

3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

3.6.2 TEST SETUP



3.6.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.6.4 TEST PROCEDURE

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW $\geq$ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.



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MEASUREMENT PROCEDURE OOBE

1. Set RBW = 100 kHz.
2. Set VBW $\geq$ 300 kHz.
3. Set span to encompass the spectrum to be examined
4. Detector = peak.
5. Trace Mode = max hold.
6. Sweep = auto couple.

3.6.5 DEVIATION FROM TEST STANDARD

No deviation.

3.6.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.6.7 TEST RESULTS

The spectrum plots are attached on the following images. D1 line indicates the highest level. D2 line indicates the 20dB offset below D1. It shows compliance to the requirement.

Please Refer to Appendix A/B/C/D Of this test report.

3.7 ANTENNA REQUIREMENTS

3.7.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.7.3 ANTENNA GAIN

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit and PSD limit.



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4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

6 APPENDIX A:WIFI

DTS BANDWIDTH

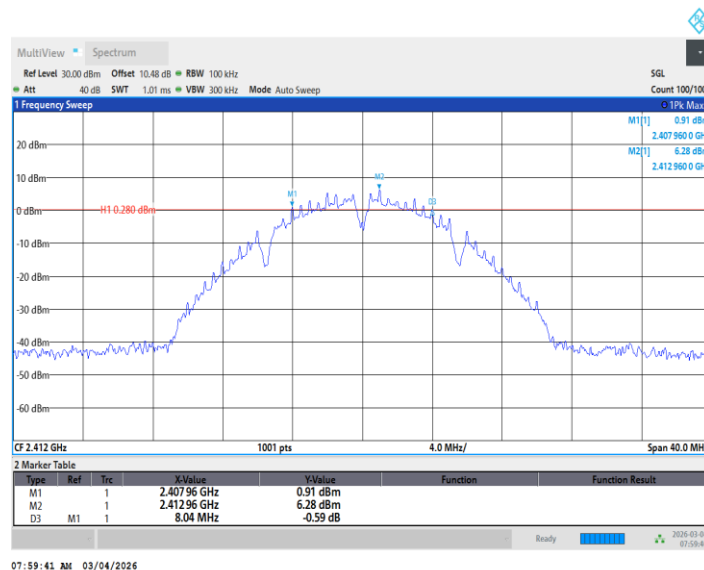
TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.04	2407.96	2416.00	0.5	PASS
	Ant2	2412	6.60	2408.44	2415.04	0.5	PASS
	Ant1	2437	7.60	2433.40	2441.00	0.5	PASS
	Ant2	2437	7.08	2433.92	2441.00	0.5	PASS
	Ant1	2462	7.08	2458.44	2465.52	0.5	PASS
	Ant2	2462	8.08	2457.92	2466.00	0.5	PASS
11G-CDD	Ant1	2412	16.32	2403.80	2420.12	0.5	PASS
	Ant2	2412	16.08	2403.80	2419.88	0.5	PASS
	Ant1	2437	16.28	2428.84	2445.12	0.5	PASS
	Ant2	2437	15.08	2430.08	2445.16	0.5	PASS
	Ant1	2462	16.28	2453.84	2470.12	0.5	PASS
	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	17.56	2403.20	2420.76	0.5	PASS
	Ant2	2412	17.04	2403.16	2420.20	0.5	PASS
	Ant1	2437	17.56	2428.20	2445.76	0.5	PASS
	Ant2	2437	13.80	2431.96	2445.76	0.5	PASS
	Ant1	2462	17.68	2453.12	2470.80	0.5	PASS
	Ant2	2462	17.68	2453.12	2470.80	0.5	PASS
11N40MIMO	Ant1	2422	36.40	2403.84	2440.24	0.5	PASS
	Ant2	2422	35.68	2404.48	2440.16	0.5	PASS
	Ant1	2437	35.84	2419.08	2454.92	0.5	PASS
	Ant2	2437	33.84	2420.68	2454.52	0.5	PASS
	Ant1	2452	35.68	2433.84	2469.52	0.5	PASS
	Ant2	2452	27.04	2440.08	2467.12	0.5	PASS
11AX20MIMO	Ant1	2412	18.96	2402.52	2421.48	0.5	PASS
	Ant2	2412	17.88	2402.52	2420.40	0.5	PASS
	Ant1	2437	18.92	2427.52	2446.44	0.5	PASS
	Ant2	2437	18.72	2427.84	2446.56	0.5	PASS
	Ant1	2462	18.32	2452.72	2471.04	0.5	PASS
	Ant2	2462	18.56	2452.76	2471.32	0.5	PASS

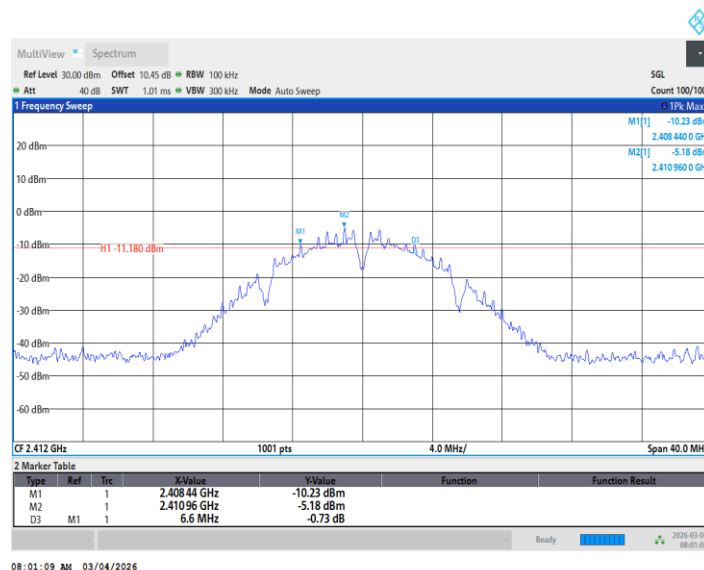
Test Report No.: RF260714B014

11AX40MIMO	Ant1	2422	38.00	2402.96	2440.96	0.5	PASS
	Ant2	2422	37.44	2403.52	2440.96	0.5	PASS
	Ant1	2437	37.92	2418.04	2455.96	0.5	PASS
	Ant2	2437	34.80	2419.48	2454.28	0.5	PASS
	Ant1	2452	37.92	2433.04	2470.96	0.5	PASS
	Ant2	2452	37.84	2433.36	2471.20	0.5	PASS
11BE20MIMO	Ant1	2412	18.88	2402.52	2421.40	0.5	PASS
	Ant2	2412	17.32	2403.44	2420.76	0.5	PASS
	Ant1	2437	17.80	2427.72	2445.52	0.5	PASS
	Ant2	2437	18.24	2428.24	2446.48	0.5	PASS
	Ant1	2462	18.60	2452.60	2471.20	0.5	PASS
	Ant2	2462	19.08	2452.44	2471.52	0.5	PASS
11BE40MIMO	Ant1	2422	36.32	2404.32	2440.64	0.5	PASS
	Ant2	2422	38.00	2403.12	2441.12	0.5	PASS
	Ant1	2437	37.84	2418.04	2455.88	0.5	PASS
	Ant2	2437	36.96	2418.68	2455.64	0.5	PASS
	Ant1	2452	38.08	2432.96	2471.04	0.5	PASS
	Ant2	2452	34.96	2434.40	2469.36	0.5	PASS

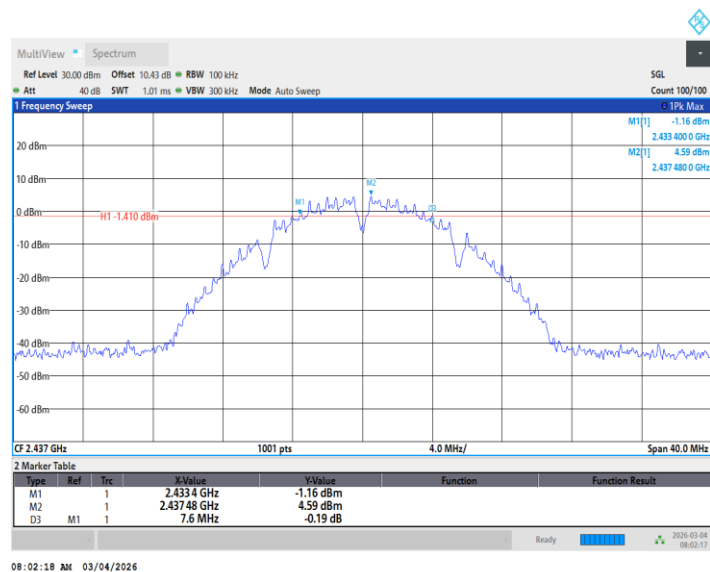
11B-CDD_Ant1_2412



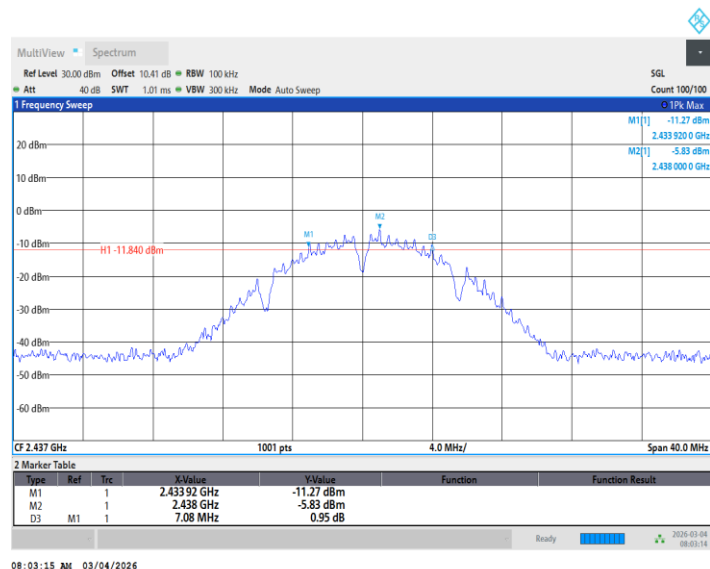
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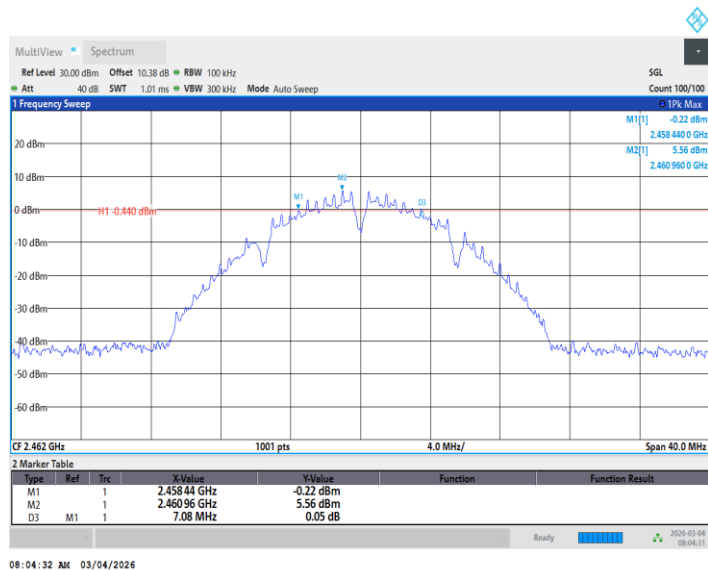
11B-CDD_Ant1_2437



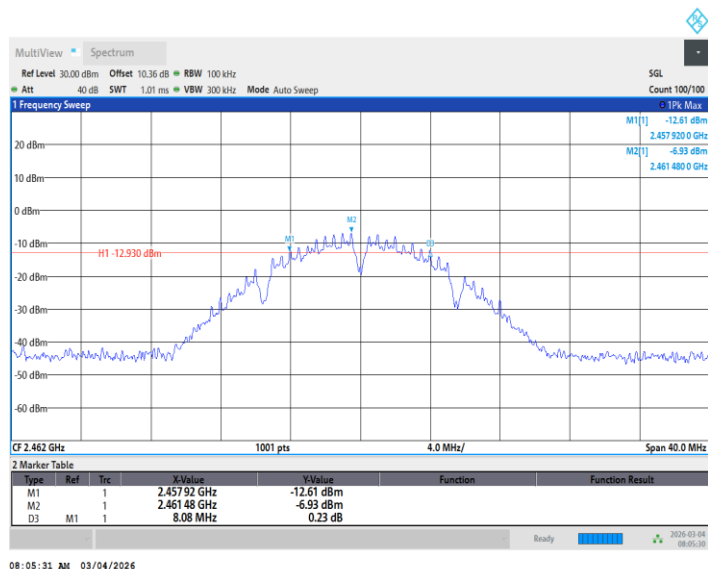
11B-CDD_Ant2_2437



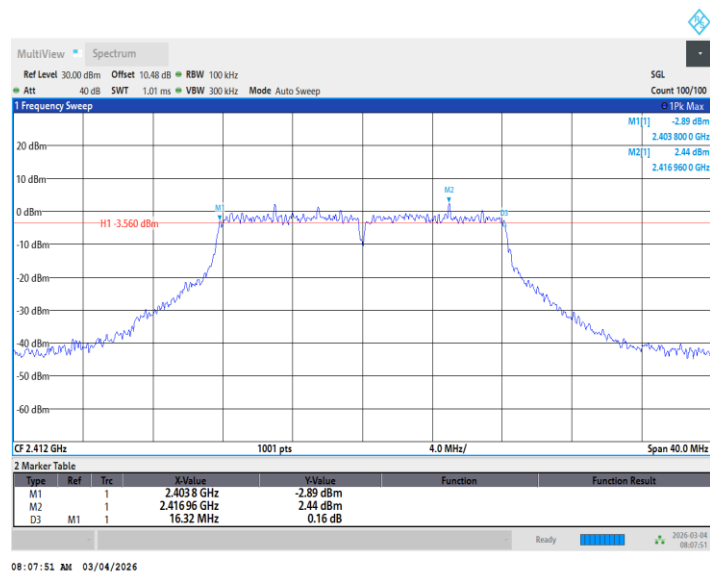
11B-CDD_Ant1_2462



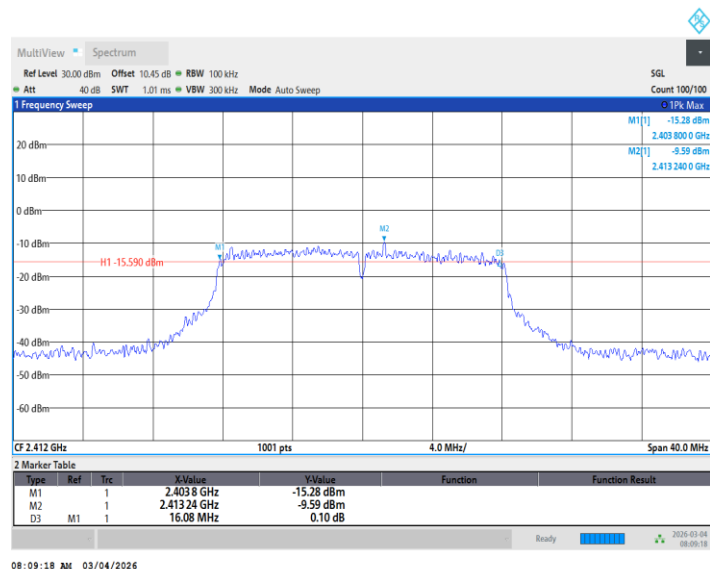
11B-CDD_Ant2_2462



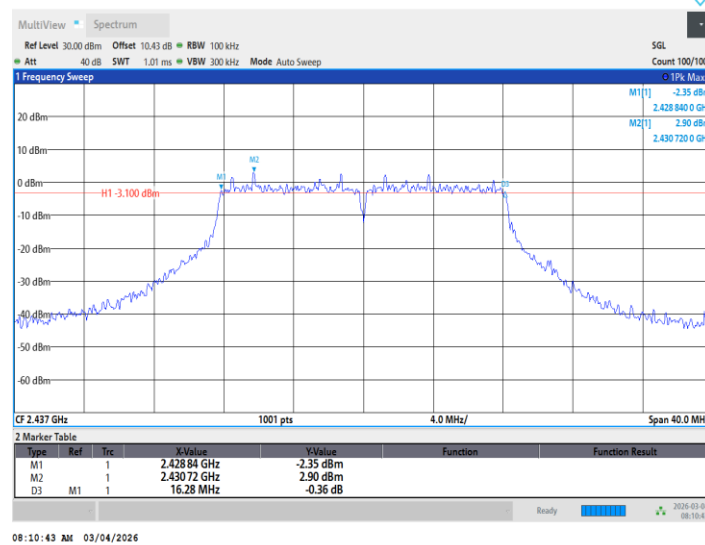
11G-CDD_Ant1_2412



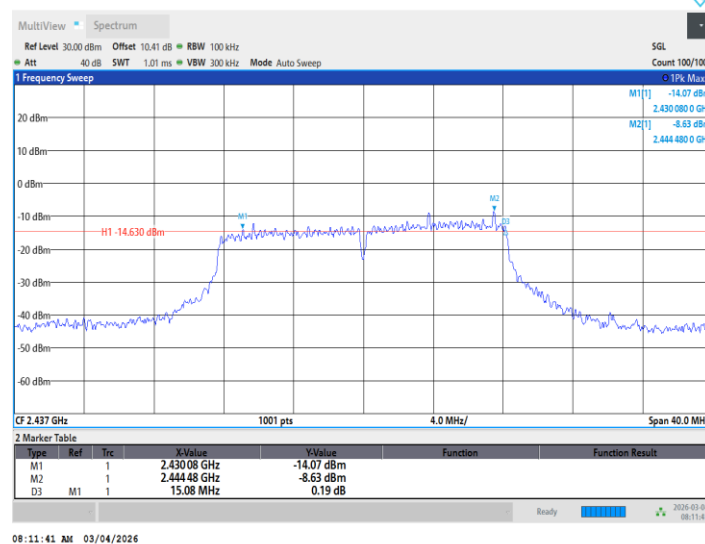
11G-CDD_Ant2_2412



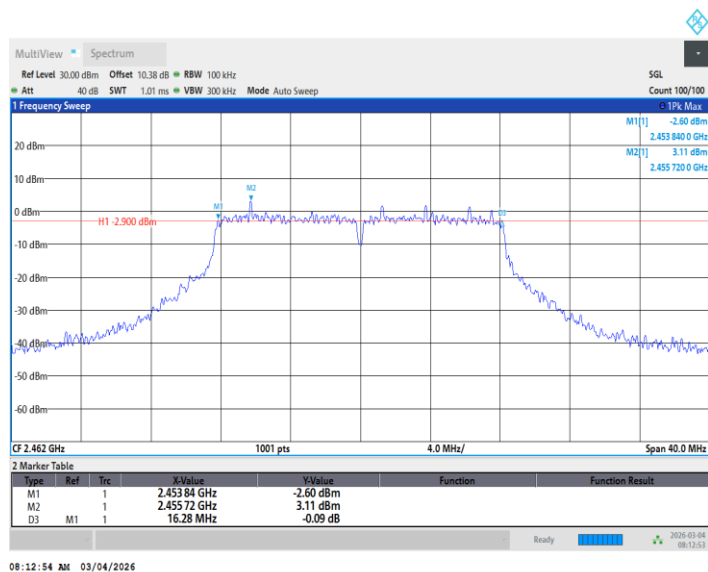
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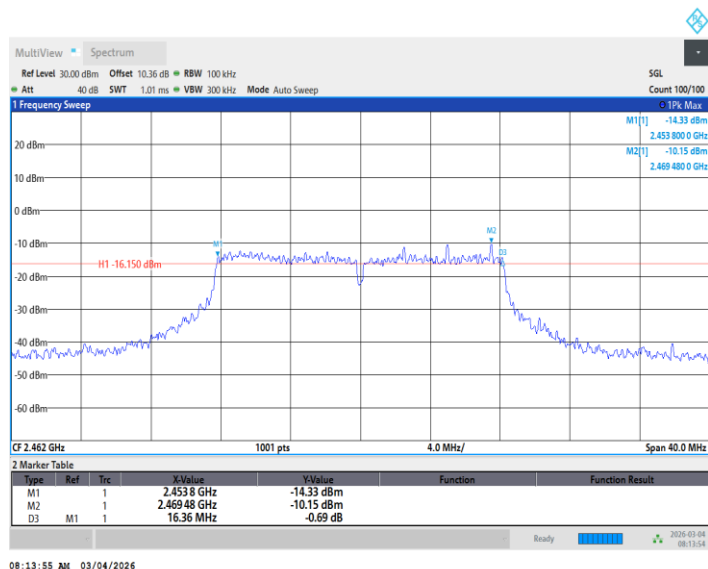
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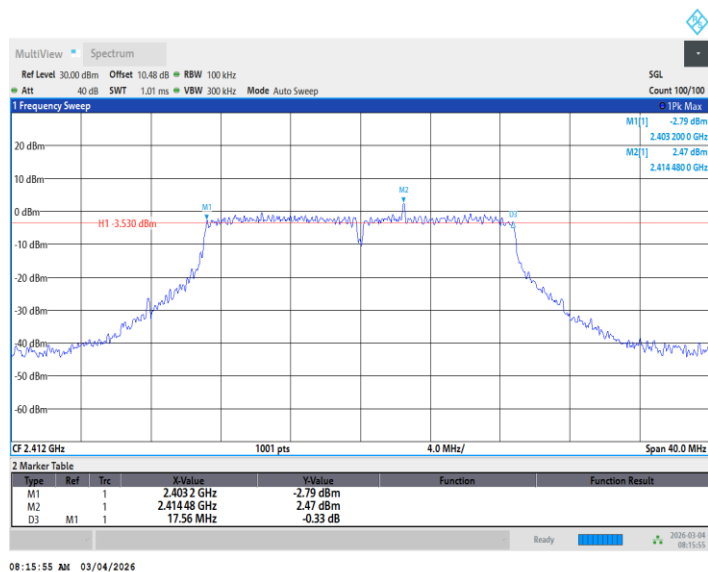
11G-CDD_Ant1_2462



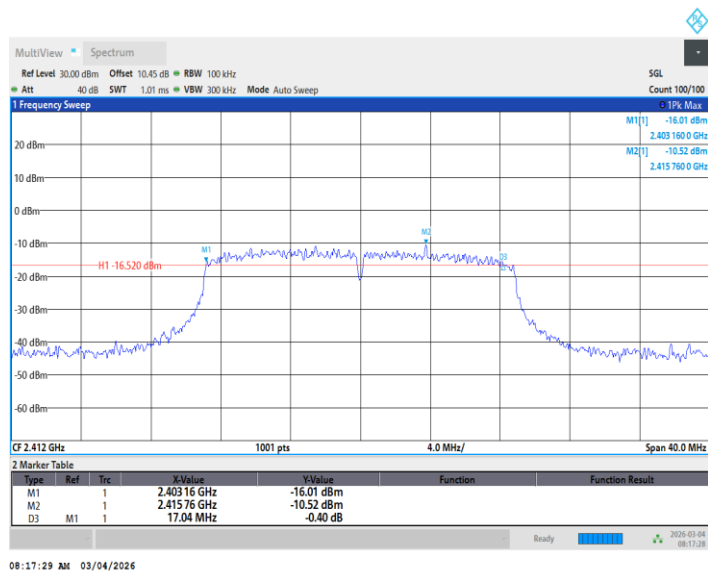
11G-CDD_Ant2_2462



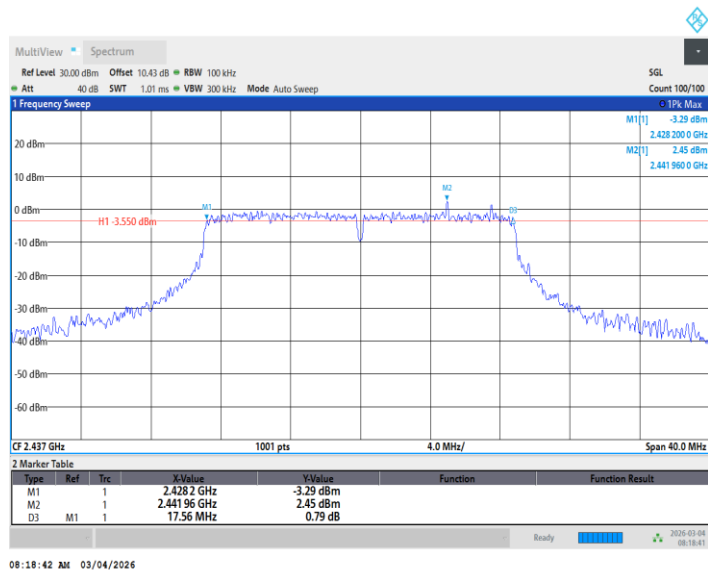
11N20MIMO_Ant1_2412



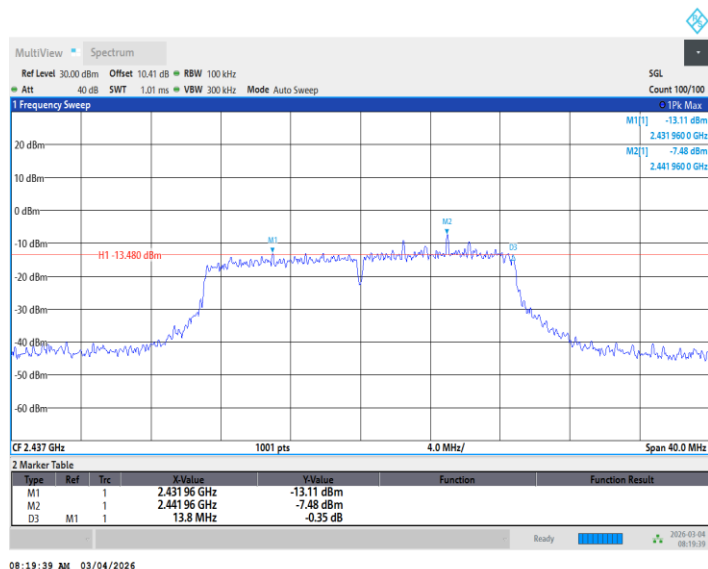
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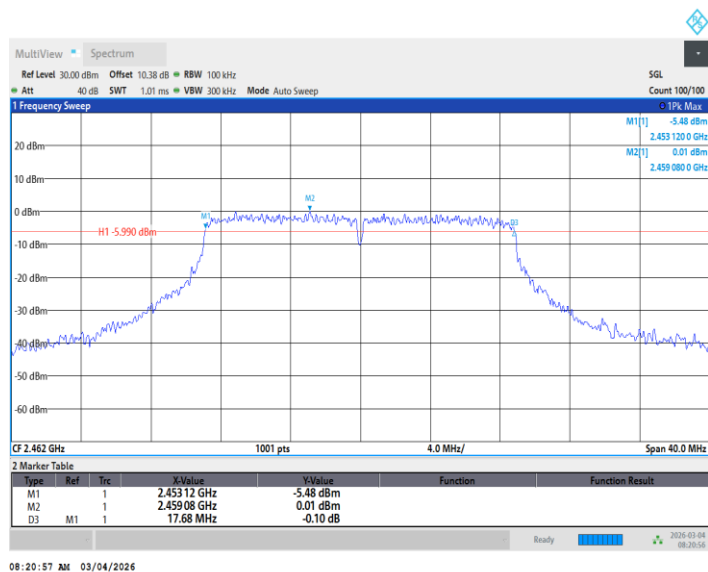
11N20MIMO_Ant1_2437



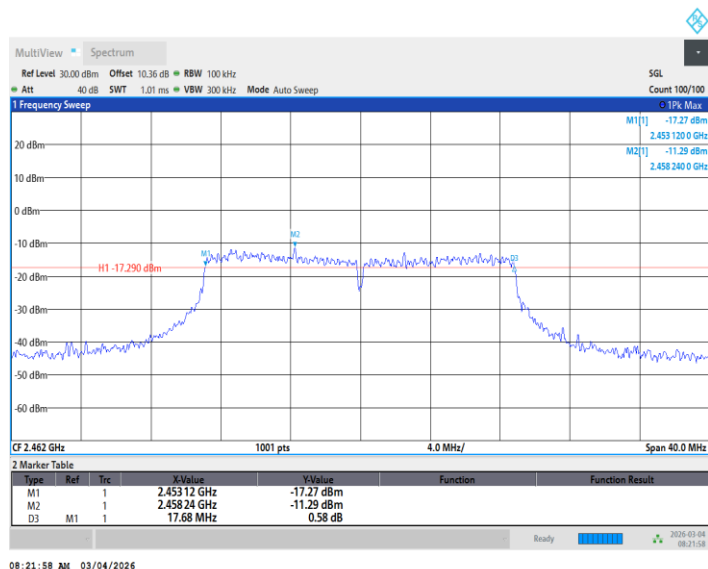
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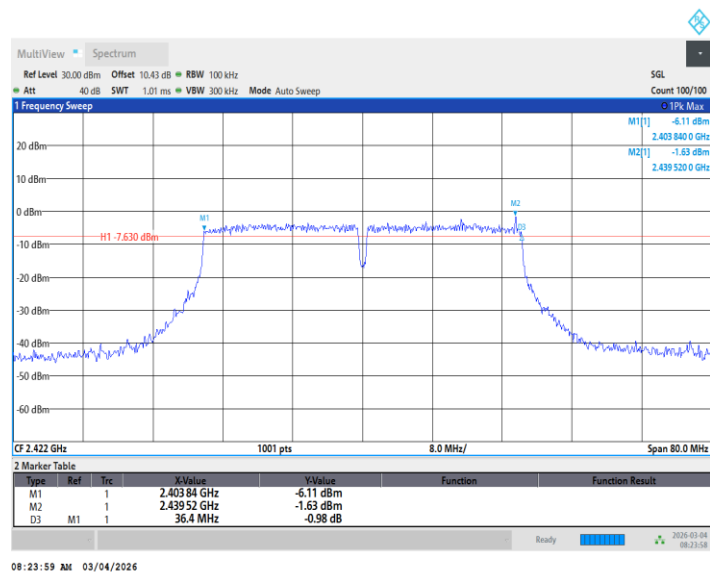
11N20MIMO_Ant1_2462



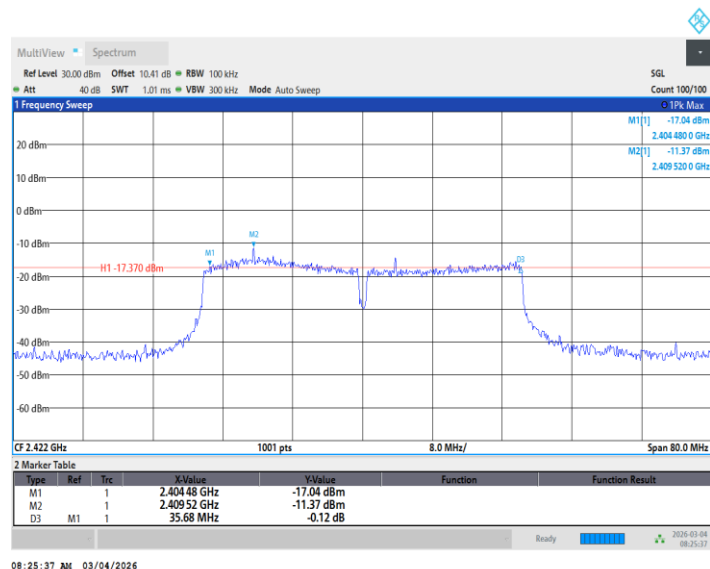
11N20MIMO_Ant2_2462



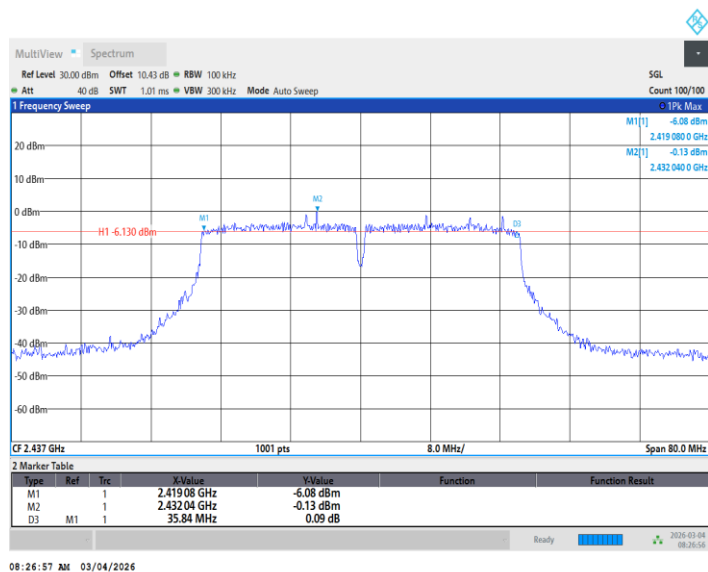
11N40MIMO_Ant1_2422



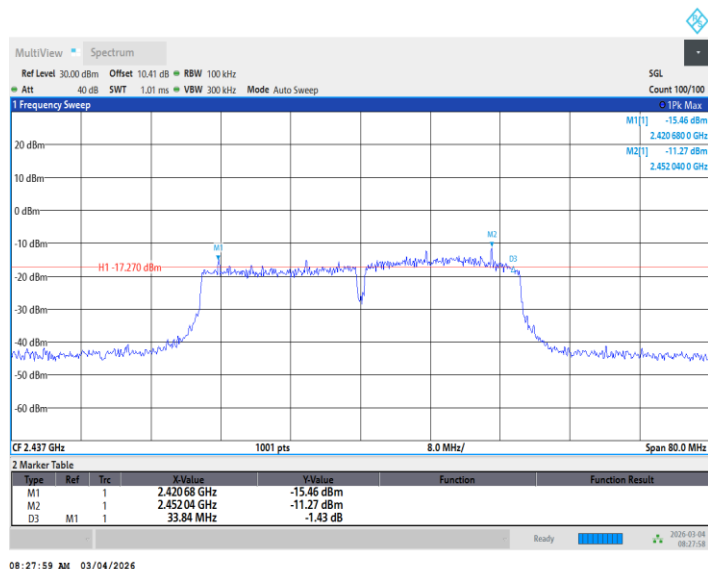
11N40MIMO_Ant2_2422



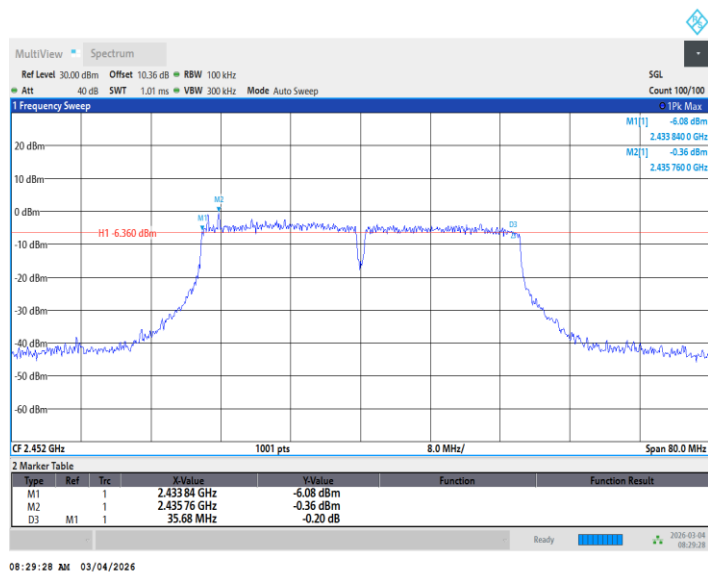
11N40MIMO_Ant1_2437



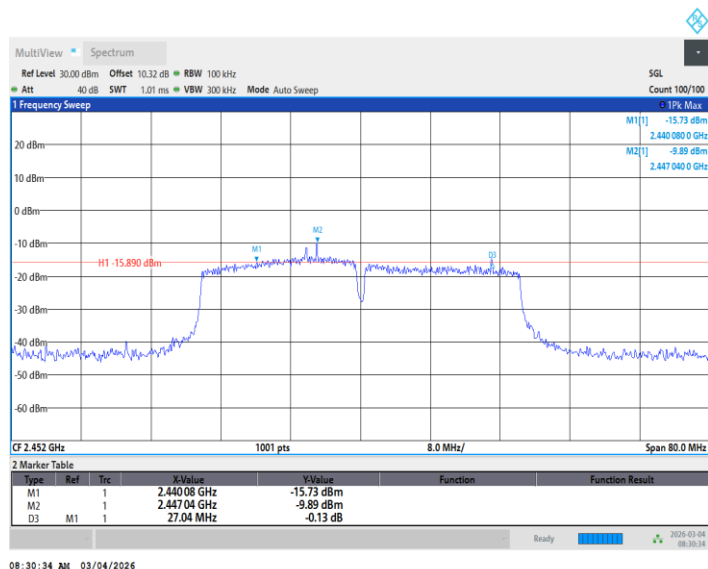
11N40MIMO_Ant2_2437



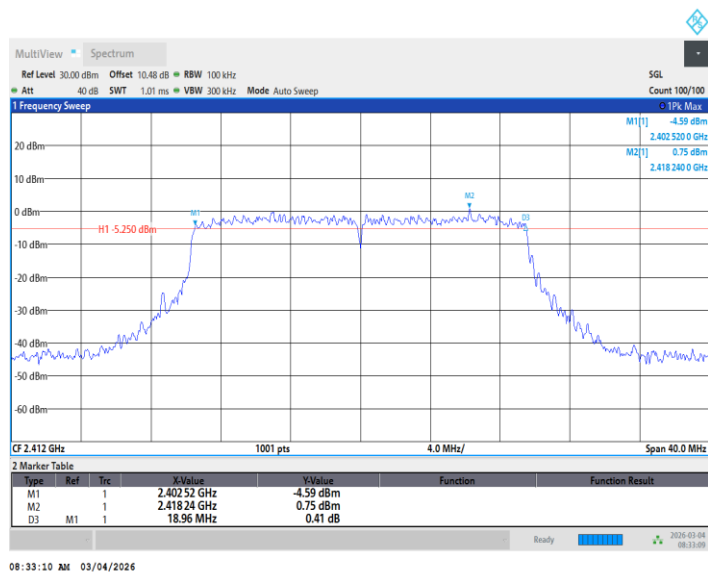
11N40MIMO_Ant1_2452



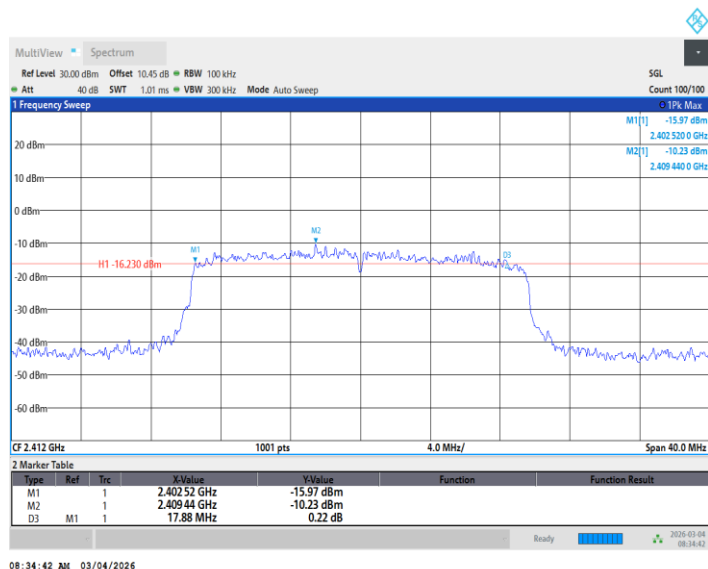
11N40MIMO_Ant2_2452



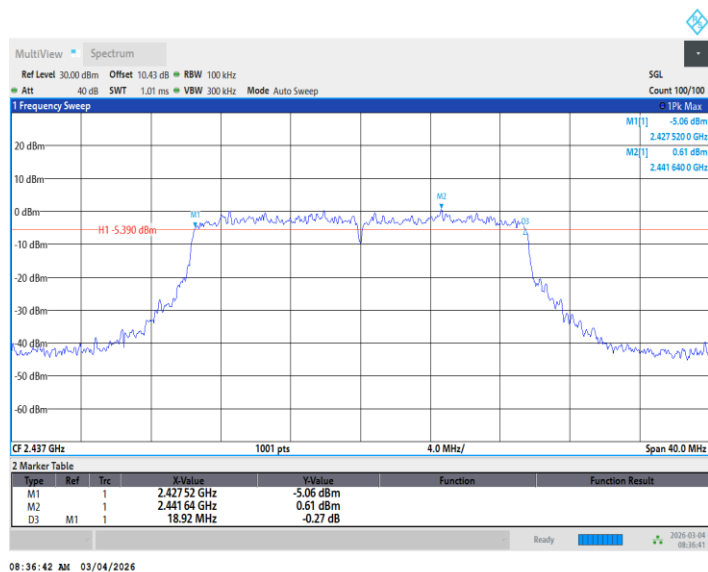
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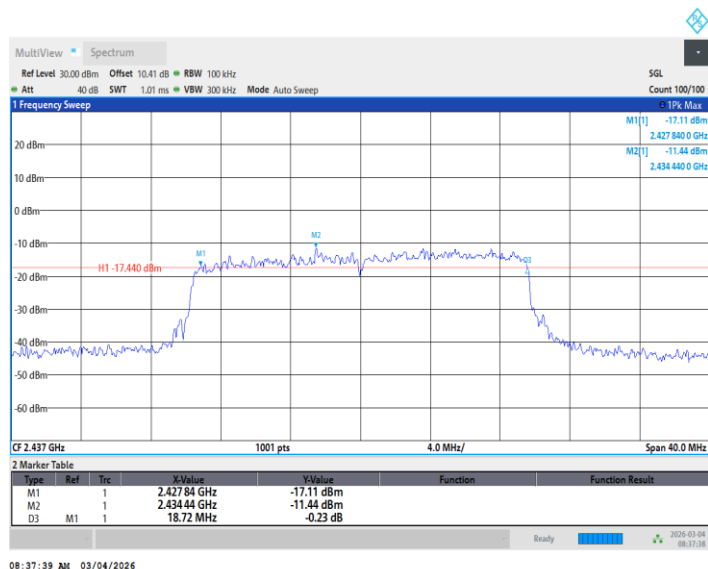
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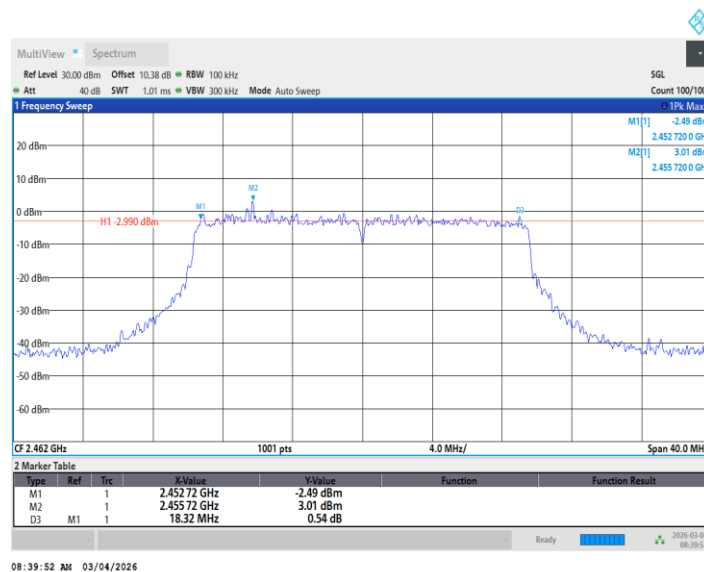
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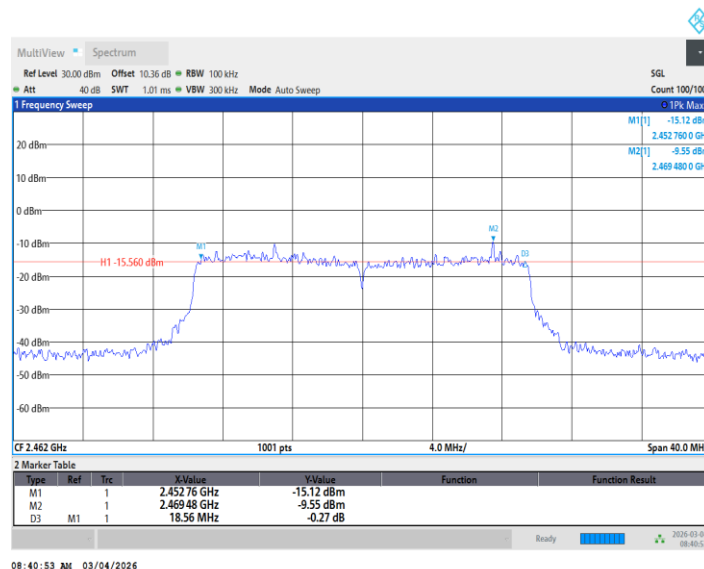
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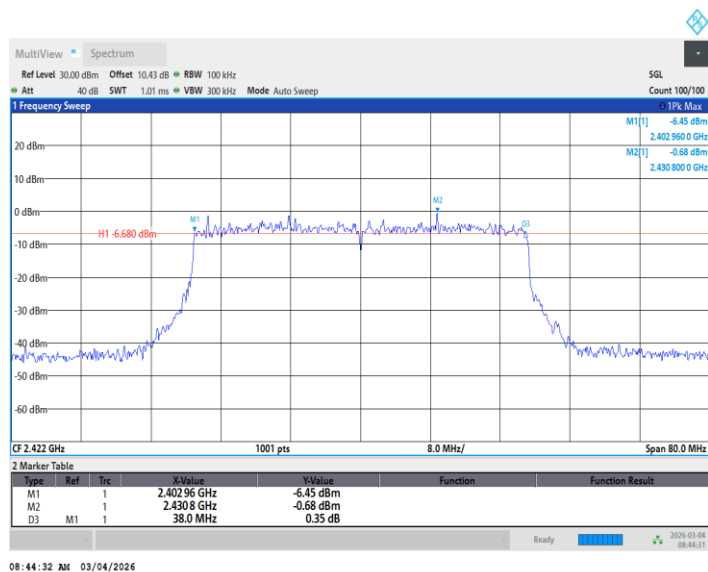
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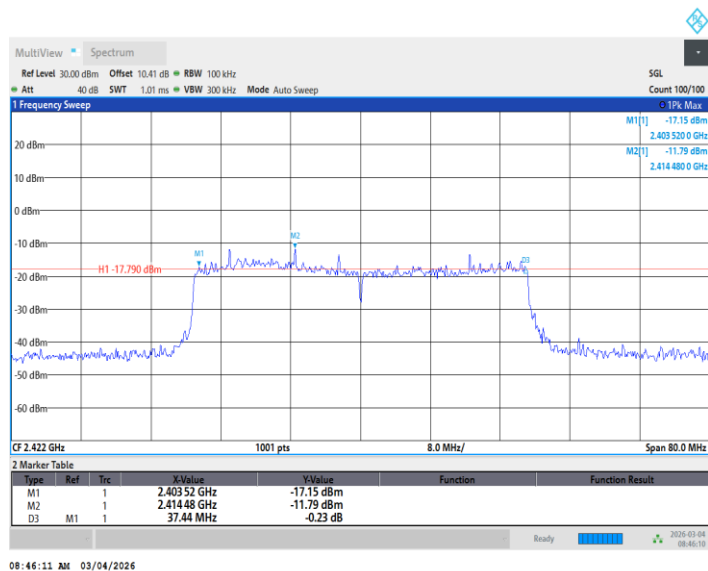
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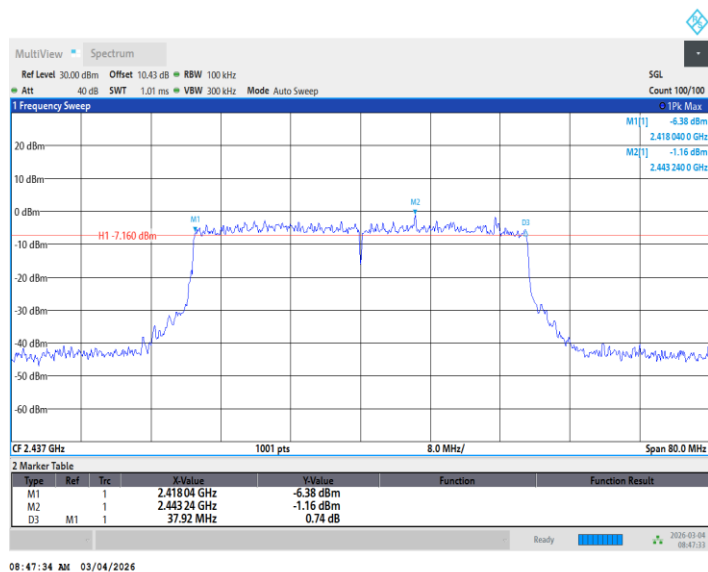
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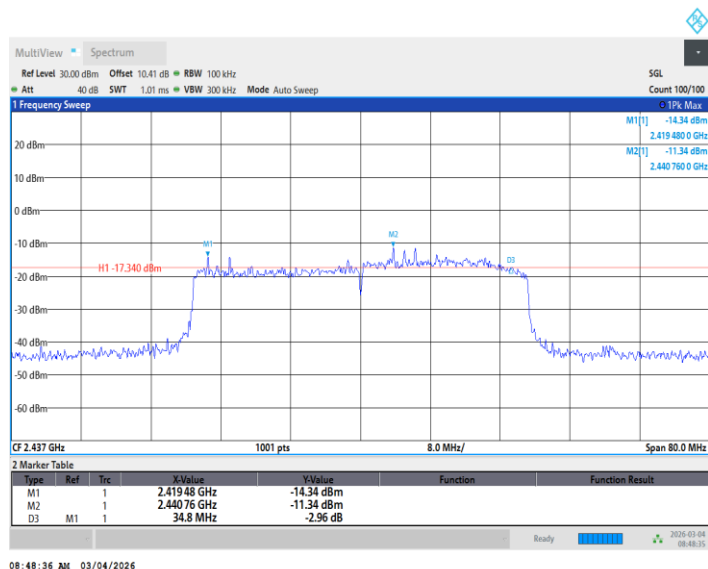
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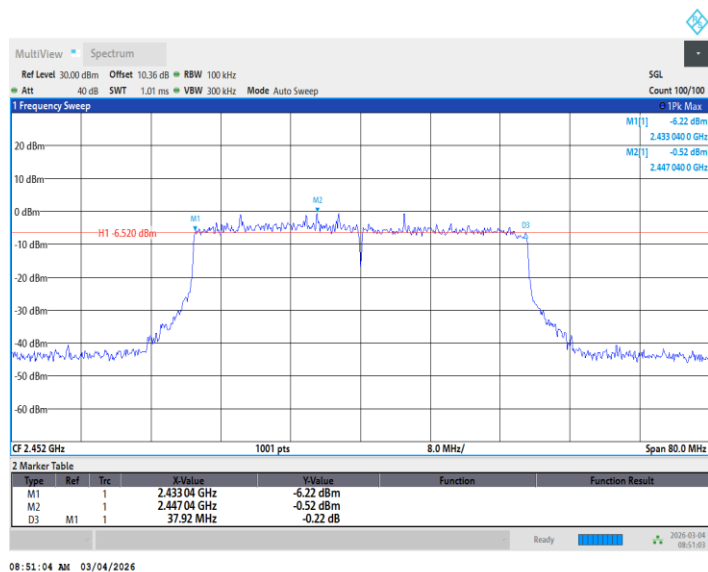
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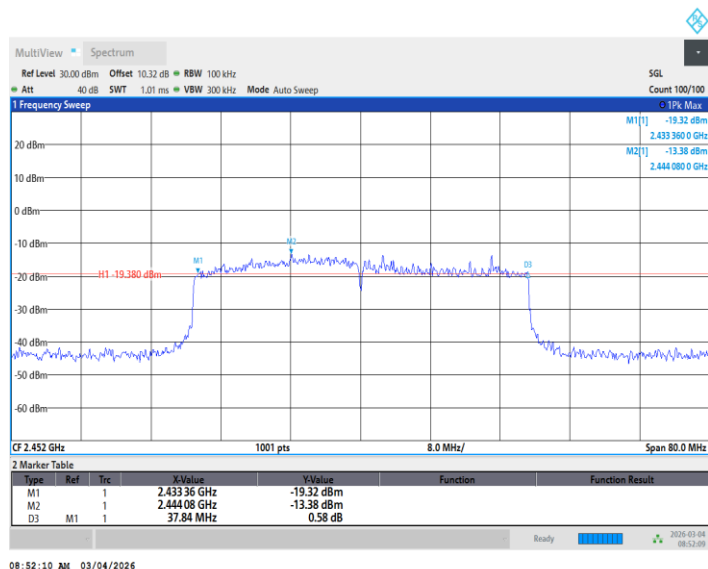
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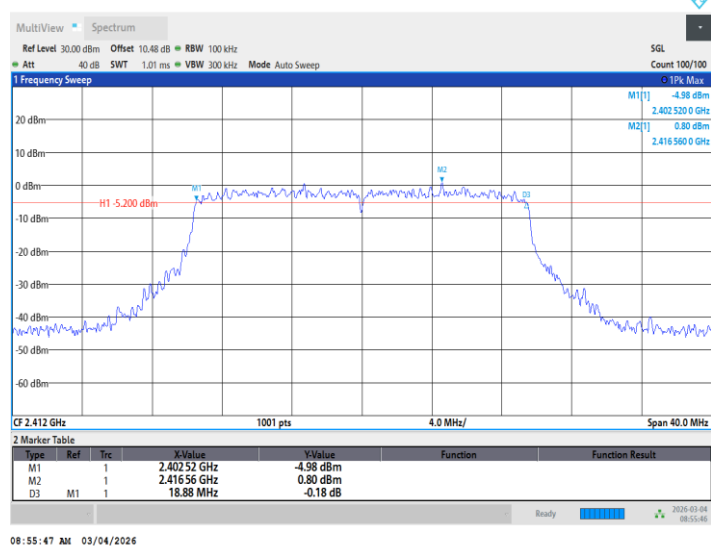
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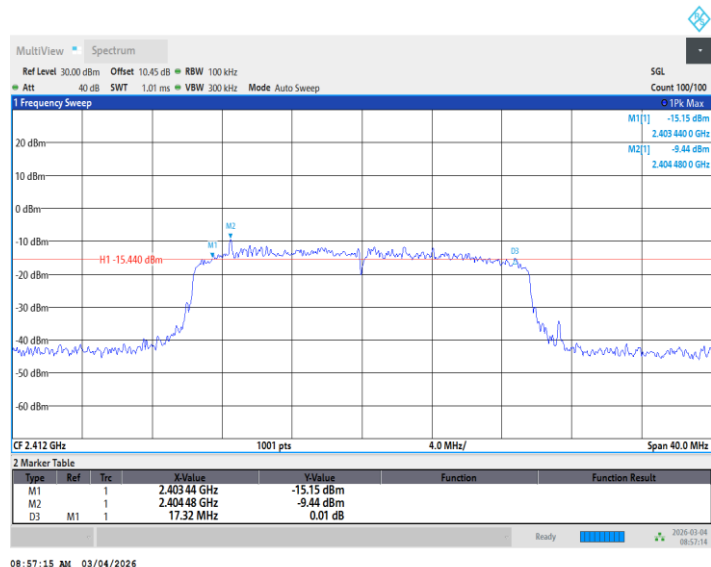
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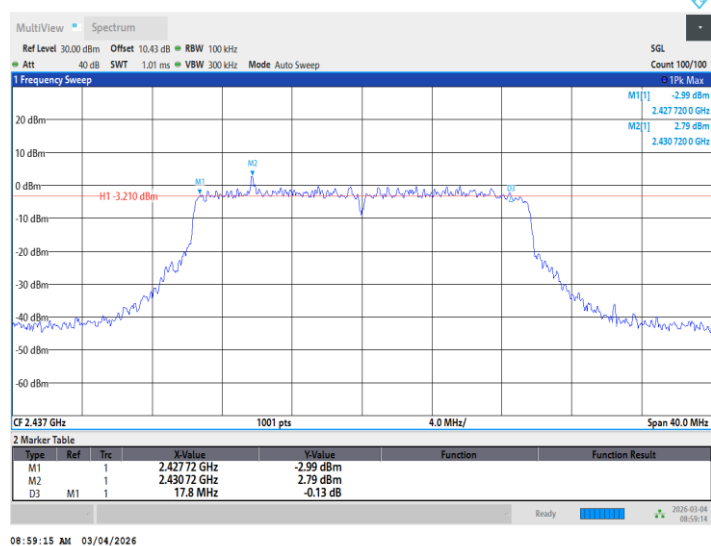
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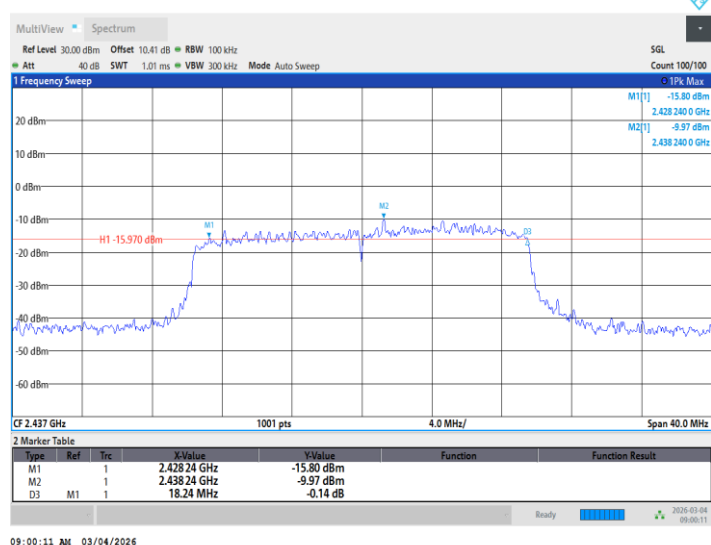
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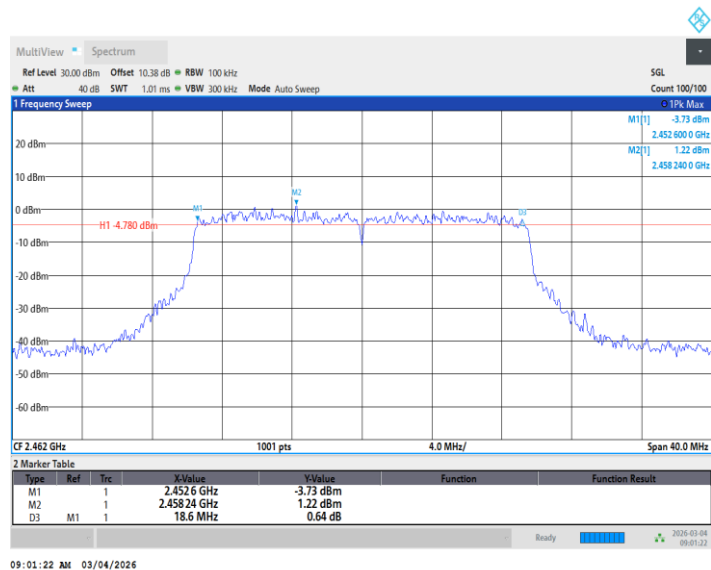
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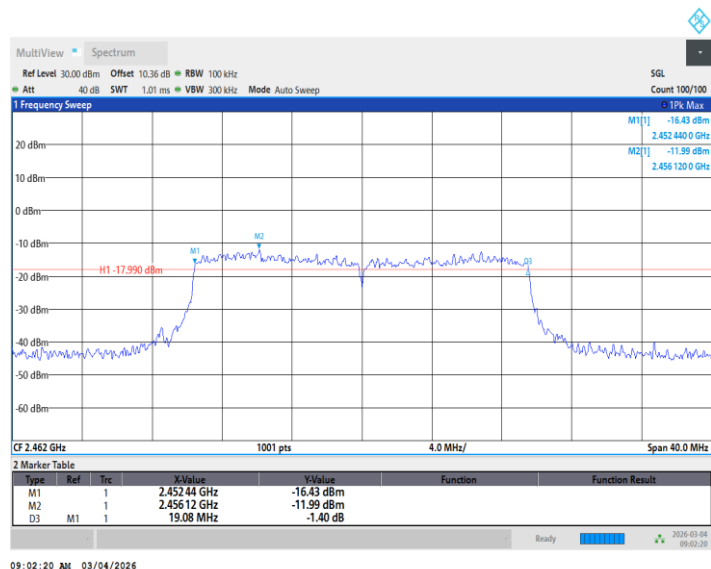
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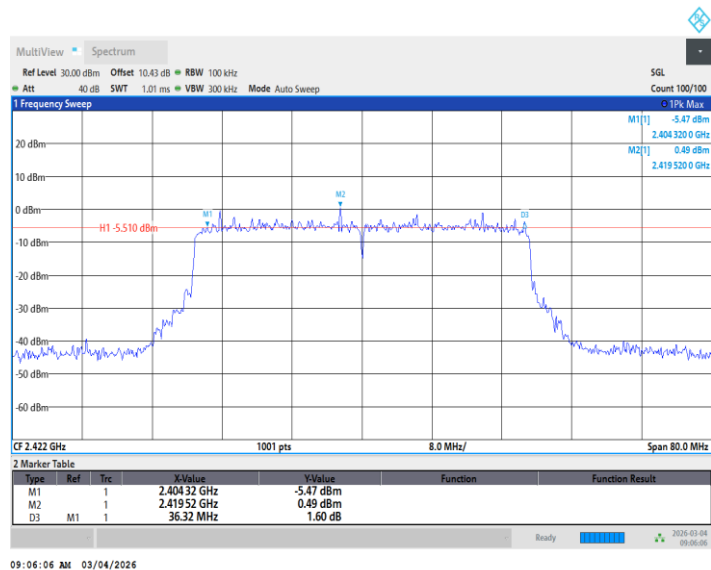
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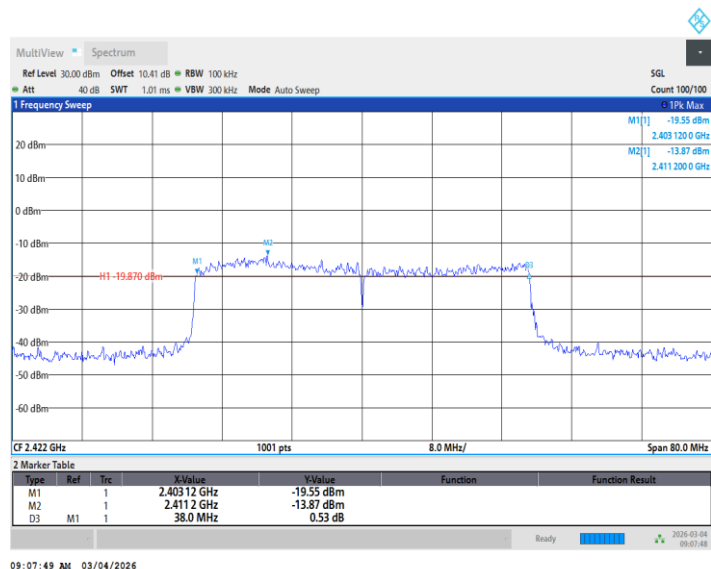
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11BE40MIMO_Ant1_2422



11BE40MIMO_Ant2_2422



11BE40MIMO_Ant1_2437