

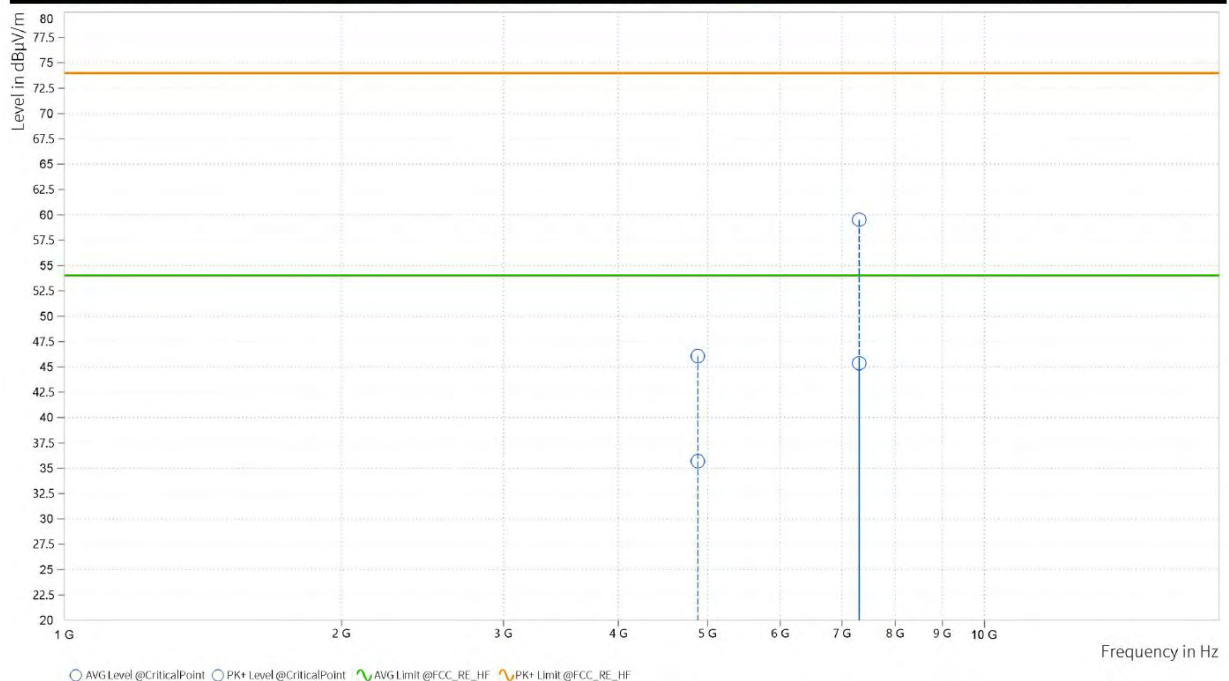


Worst case harmonic:

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	4,880.000	46.06	74.00	27.94	35.69	54.00	18.31	10.46	H	359	2
1	7,306.000	59.52	74.00	14.48	45.38	54.00	8.62	15.14	H	33.9	2



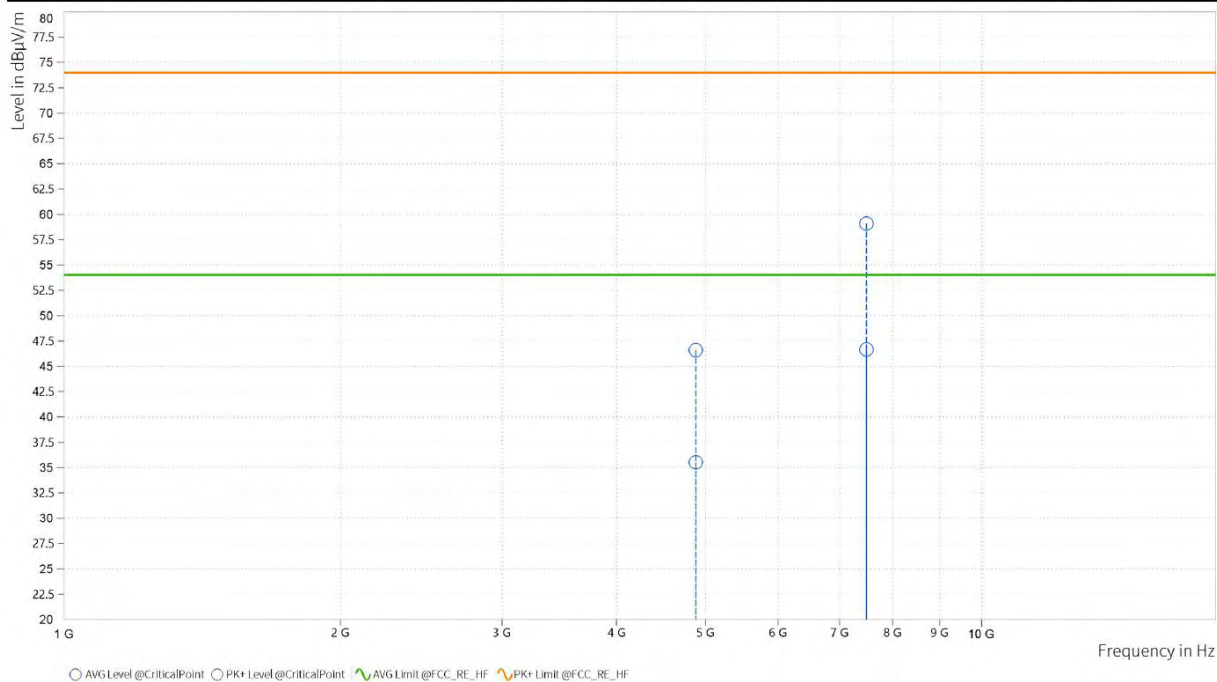


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Test Report No.: PSZ-NQN2303280110RF04

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	4,880.000	46.59	74.00	27.41	35.52	54.00	18.48	10.46	V	10.4	2
1	7,491.000	59.10	74.00	14.90	46.67	54.00	7.33	15.36	V	153.1	2



REMARKS:

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



3.3 6 dB BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	R&S	ESW 44	101973	Feb.25,22	Feb.24,24
Open Switch and Control Unit	R&S	OSP-B157W8	100836	N/A	N/A
Vector Signal Generator	R&S	SMBV100B	102176	Feb.16,22	Feb.15,24
Signal Generator	R&S	SMB100A03	182185	Feb.16,22	Feb.15,24
Wideband Radio Communication	R&S	CMW500	169399	Jun.26,22	Jun.25,24
Hygrothermograph	DELI	20210528	SZ015	Sep.06,22	Sep.05,24
PC	LENOVO	E14	HRSW0024	N/A	N/A
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.28,23	Oct.27,23
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.28,23	Oct.27,23
Test Software	EMC32	EMC32	N/A	N/A	N/A
Temperature Chamber	votsch	VT4002	58566078100050	May.31,22	May.30,24

NOTE:

1. The calibration interval of the above test instruments is 6 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.



3.3.3 TEST PROCEDURE

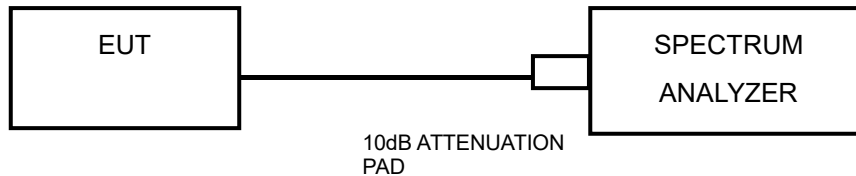
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



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.



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3.3.7 TEST RESULTS

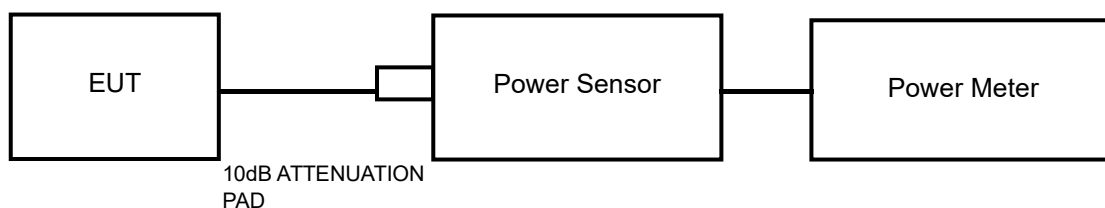
Please Refer to Appendix1/2 Of this test report.

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.



BUREAU VERITAS Test Report No.: PSZ-NQN2303280110RF04

3.4.7 TEST RESULTS

3.4.7.1 MAXIMUM PEAK OUTPUT POWER

Please Refer to Appendix1/2 Of this test report.



Test Report No.: PSZ-NQN2303280110RF04

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 Appendix1/2 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 to 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.



Test Report No.: PSZ-NQN2303280110RF04

3.5.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

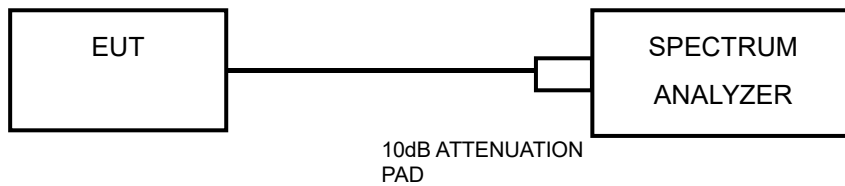


3.6 OUT OF BAND EMISSION MEASUREMENT

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.



MEASUREMENT PROCEDURE OOB

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 Appendix1/2 Of this test report.



4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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 1 WLAN 2.4G

DTS BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	9.031	2407.485	2416.516	0.5	PASS
	Ant0	2437	9.031	2432.455	2441.486	0.5	PASS
	Ant0	2462	8.551	2457.455	2466.006	0.5	PASS
11G	Ant0	2412	15.904	2404.208	2420.112	0.5	PASS
	Ant0	2437	15.664	2429.088	2444.752	0.5	PASS
	Ant0	2462	15.744	2453.808	2469.552	0.5	PASS
11N20	Ant0	2412	15.704	2404.408	2420.112	0.5	PASS
	Ant0	2437	16.104	2429.248	2445.352	0.5	PASS
	Ant0	2462	16.743	2453.608	2470.351	0.5	PASS
11N40	Ant0	2422	35.724	2404.438	2440.162	0.5	PASS
	Ant0	2437	35.724	2419.438	2455.162	0.5	PASS
	Ant0	2452	35.125	2434.438	2469.563	0.5	PASS



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Test Report No.: PSZ-NQN2303280110RF04

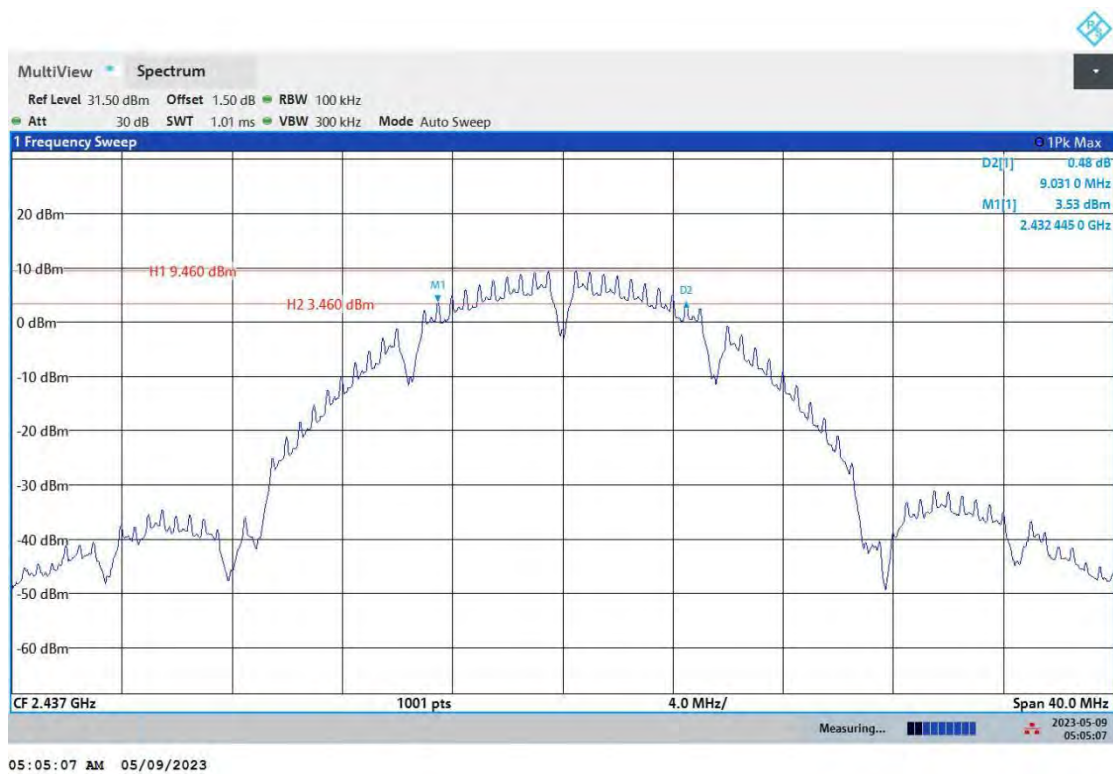
TEST GRAPHS



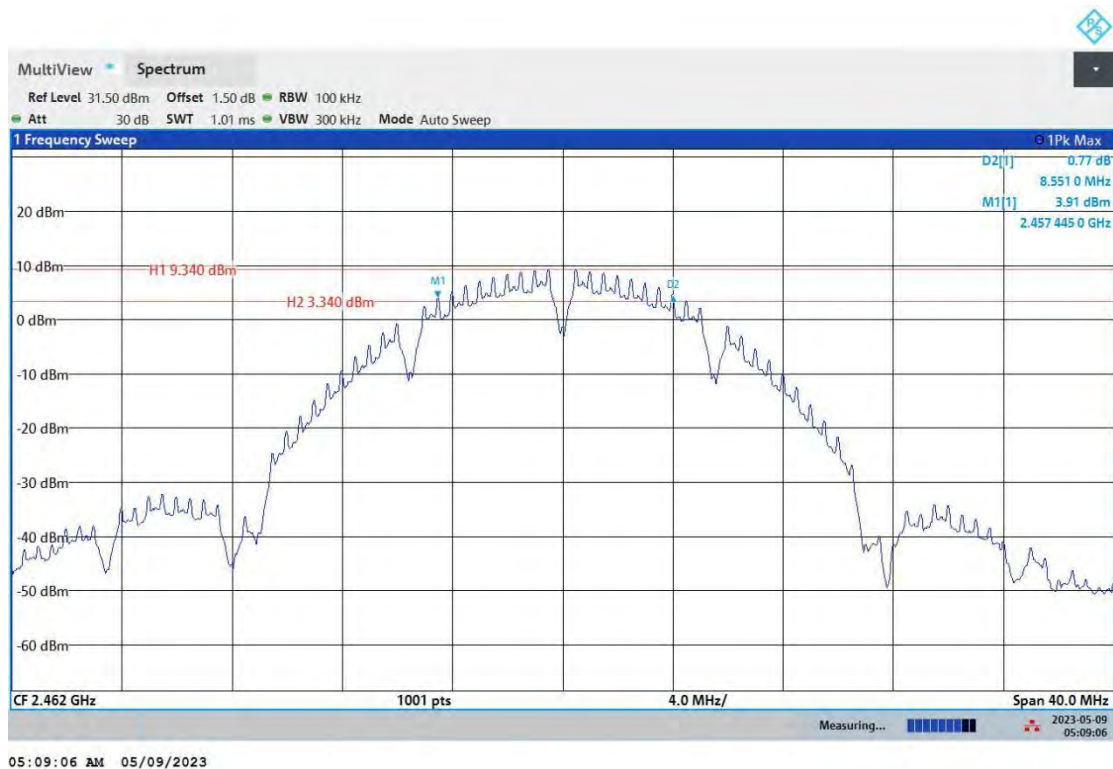


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VERITAS

Test Report No.: PSZ-NQN2303280110RF04



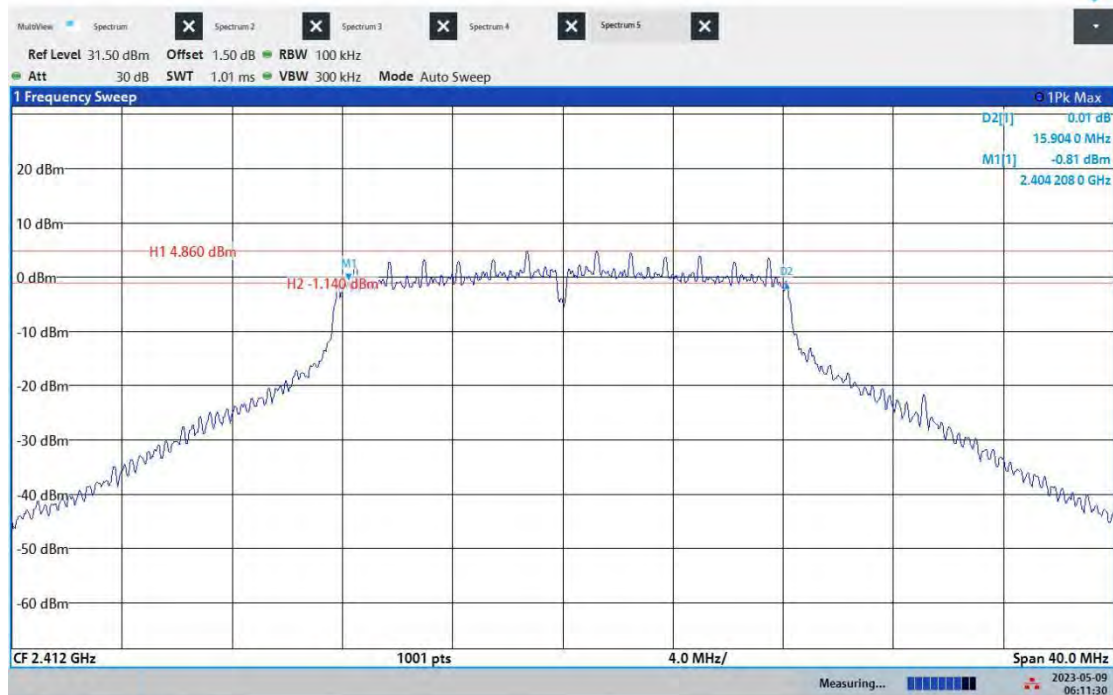
11B_Ant0_2462



11G_Ant0_2412

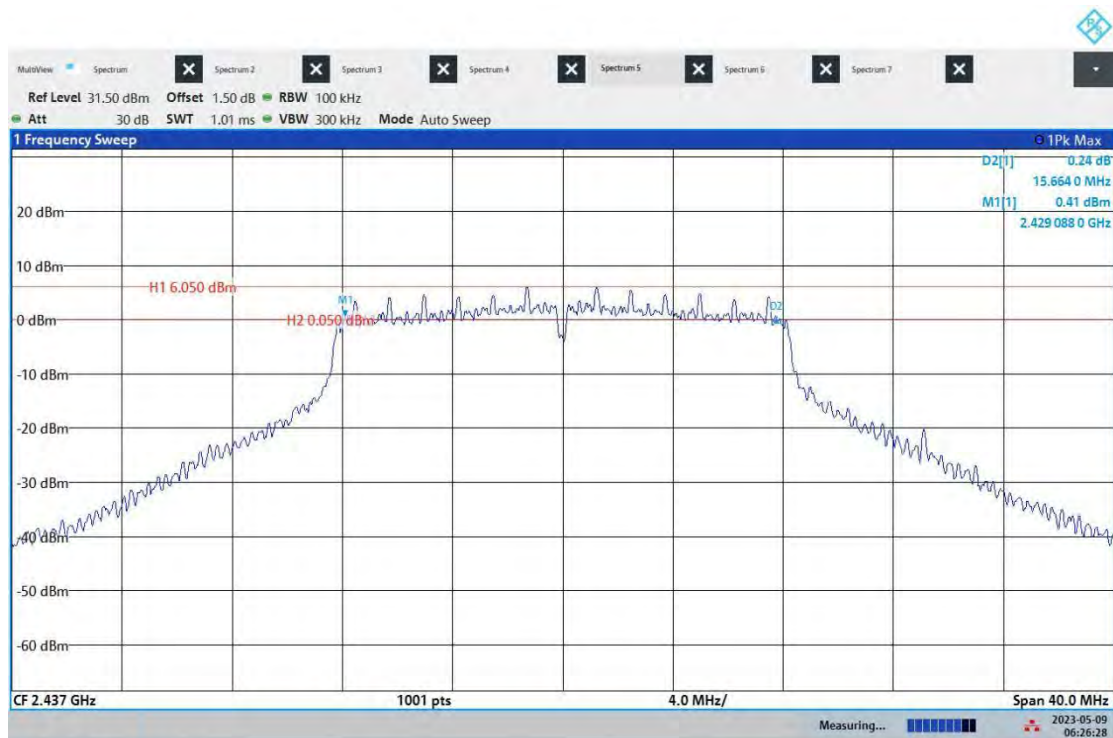


Test Report No.: PSZ-NQN2303280110RF04



06:11:30 AM 05/09/2023

11G_Ant0_2437



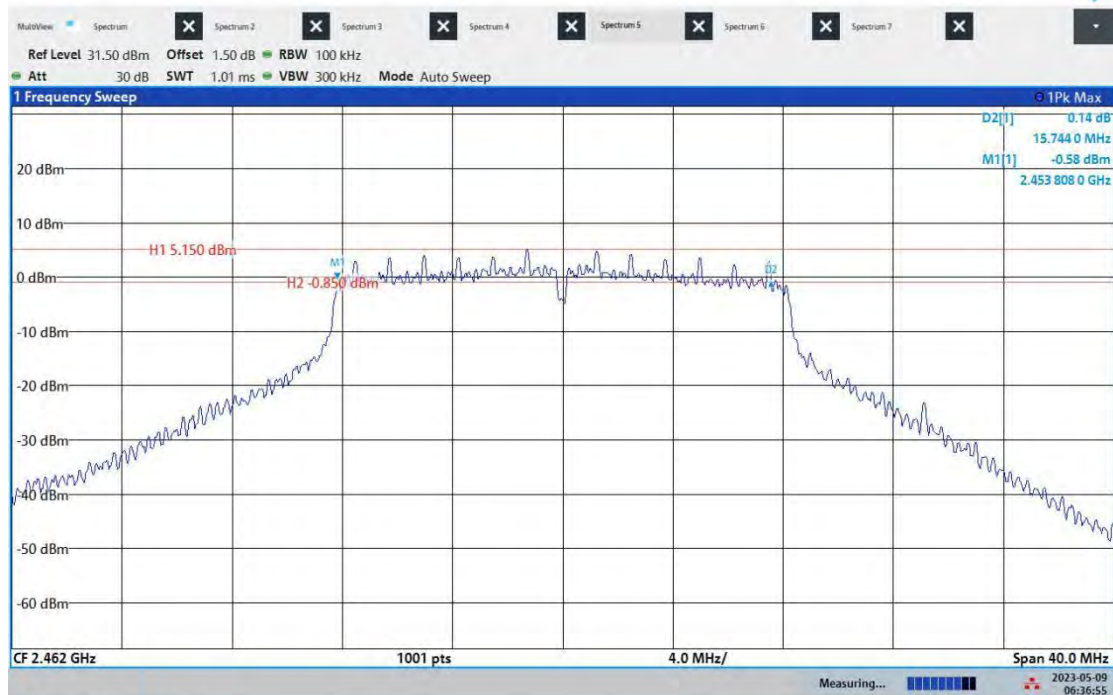
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11G_Ant0_2462



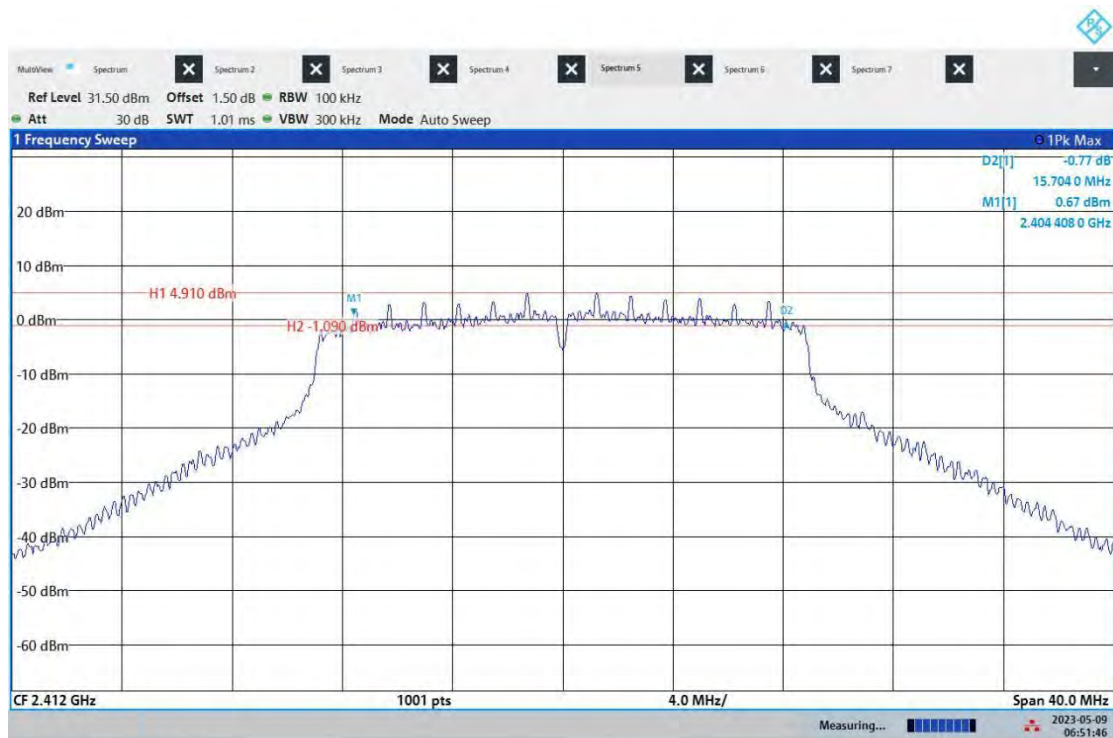
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



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11N20_Ant0_2412



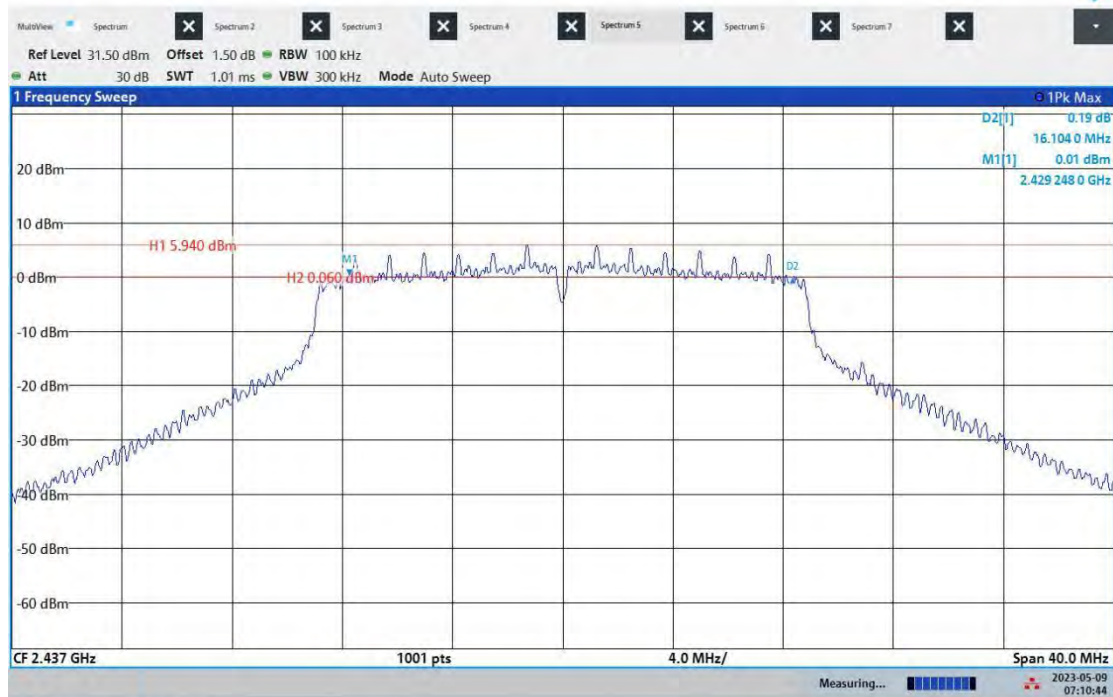
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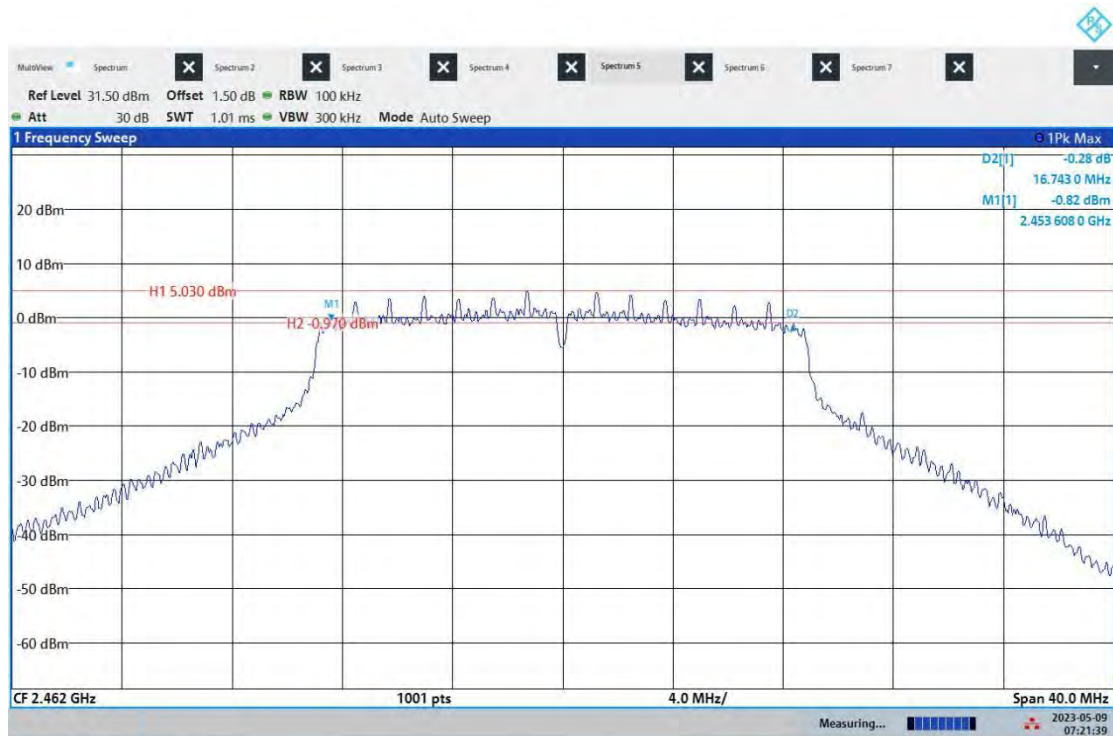
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VERITAS

Test Report No.: PSZ-NQN2303280110RF04



07:10:45 AM 05/09/2023

11N20_Ant0_2462



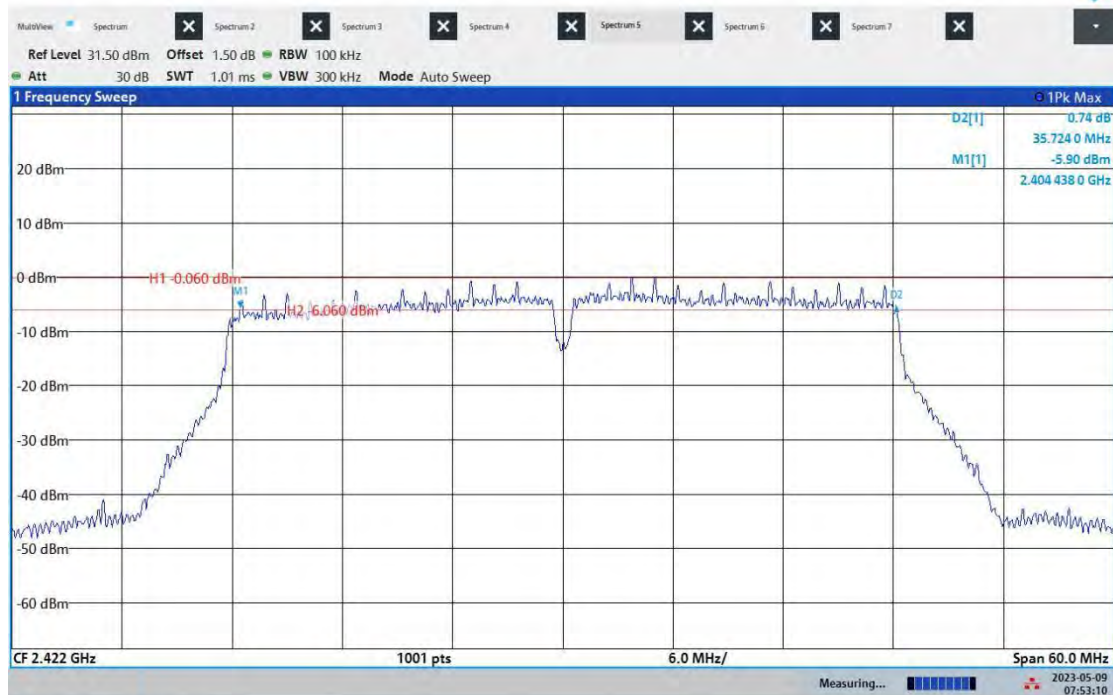
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11N40_Ant0_2422



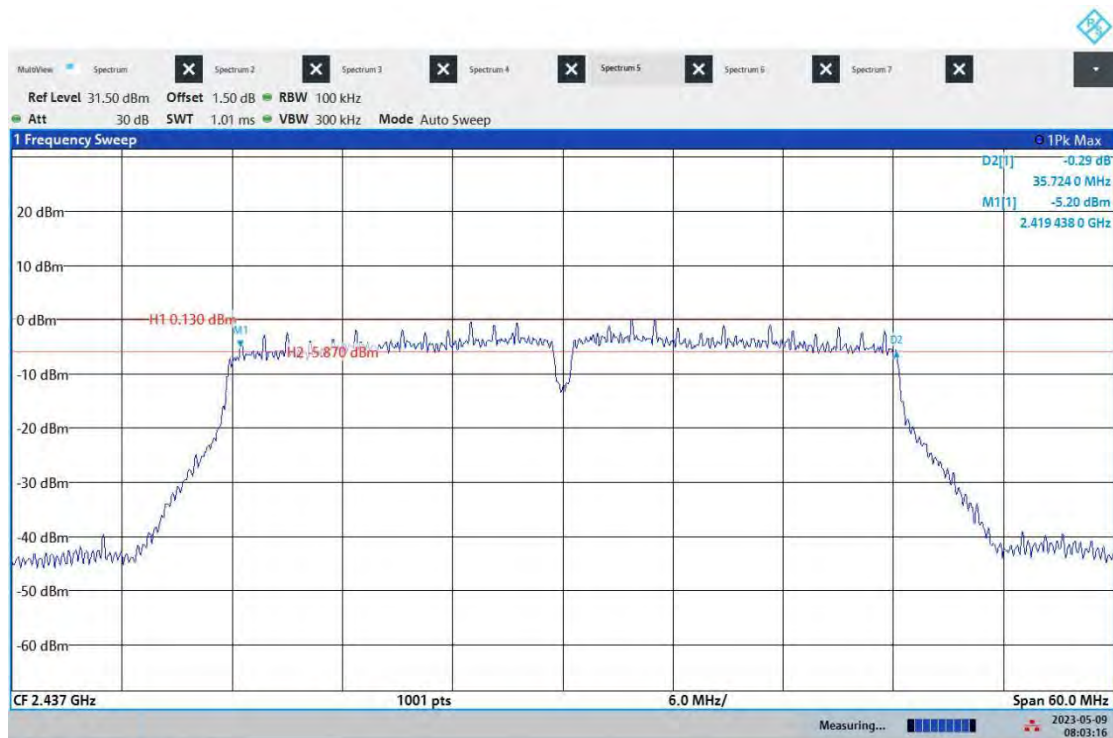
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VERITAS

Test Report No.: PSZ-NQN2303280110RF04



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11N40_Ant0_2437



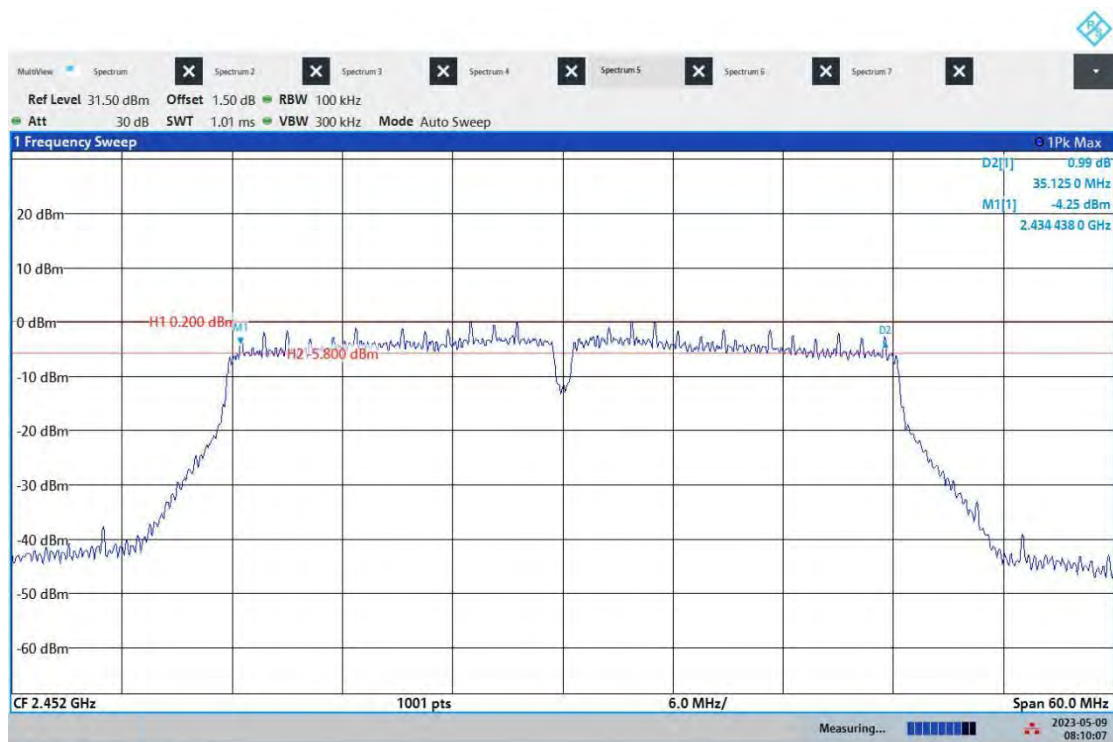
08:03:16 AM 05/09/2023

11N40_Ant0_2452



BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



08:10:08 AM 05/09/2023

**MAXIMUM CONDUCTED OUTPUT POWER****TEST RESULT PEAK**

TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Peak power [mw]	Limit [dBm]	Verdict	Power Setting
11B	Ant0	2412	21.74	149.279	≤30.00	PASS	17.5
	Ant0	2437	21.92	155.597	≤30.00	PASS	17.5
	Ant0	2462	21.92	155.597	≤30.00	PASS	17.5
11G	Ant0	2412	21.16	130.617	≤30.00	PASS	15
	Ant0	2437	22.21	166.341	≤30.00	PASS	16
	Ant0	2462	21.65	146.218	≤30.00	PASS	15
11N20-	Ant0	2412	21.24	133.045	≤30.00	PASS	15
	Ant0	2437	22.11	162.555	≤30.00	PASS	16
	Ant0	2462	21.61	144.877	≤30.00	PASS	15
11N20-	Ant0	2412	22.22	166.725	≤30.00	PASS	13
	Ant0	2437	22.49	177.419	≤30.00	PASS	13
	Ant0	2462	22.70	186.209	≤30.00	PASS	13



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Test Report No.: PSZ-NQN2303280110RF04

TEST RESULT AVERAGE

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Limit [dBm]	Verdict	Power Setting
11B -SISO	Ant0	2412	17.61	/	PASS	17.5
	Ant0	2437	17.41	/	PASS	17.5
	Ant0	2462	17.52	/	PASS	17.5
11G -SISO	Ant0	2412	14.60	/	PASS	15
	Ant0	2437	15.53	/	PASS	16
	Ant0	2462	14.79	/	PASS	15
11N20 -SISO	Ant0	2412	14.43	/	PASS	15
	Ant0	2437	15.36	/	PASS	16
	Ant0	2462	14.60	/	PASS	15
11N40 -SISO	Ant0	2422	13.55	/	PASS	13
	Ant0	2437	13.80	/	PASS	13
	Ant0	2452	13.97	/	PASS	13

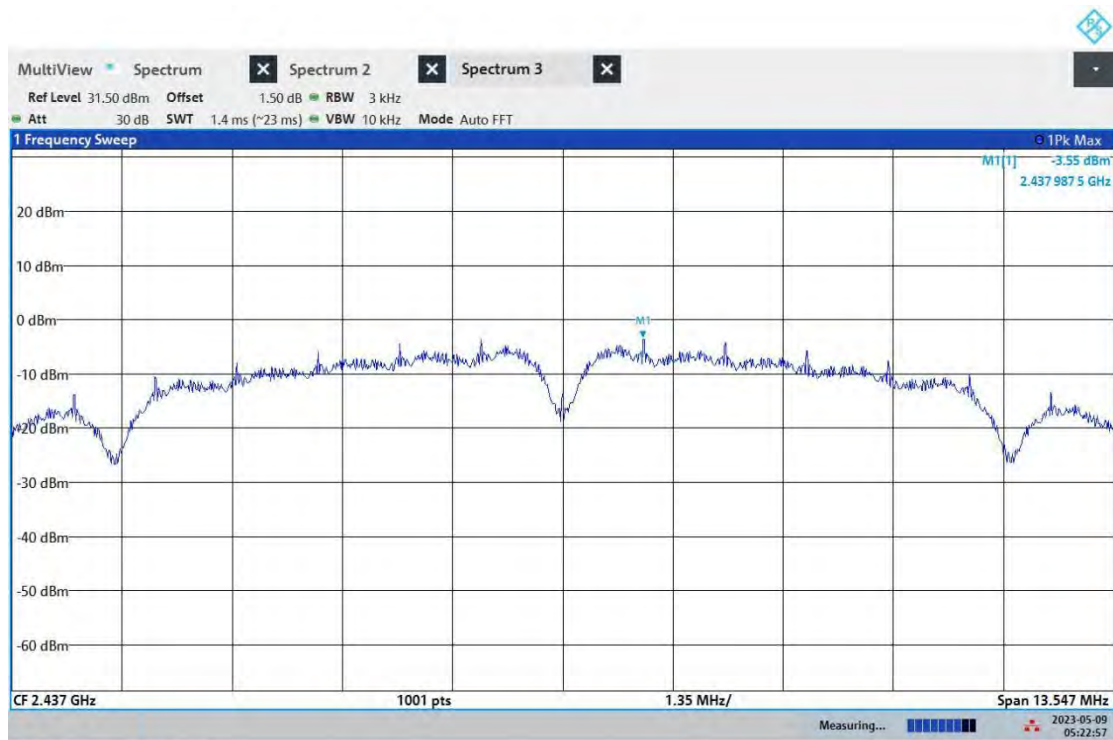




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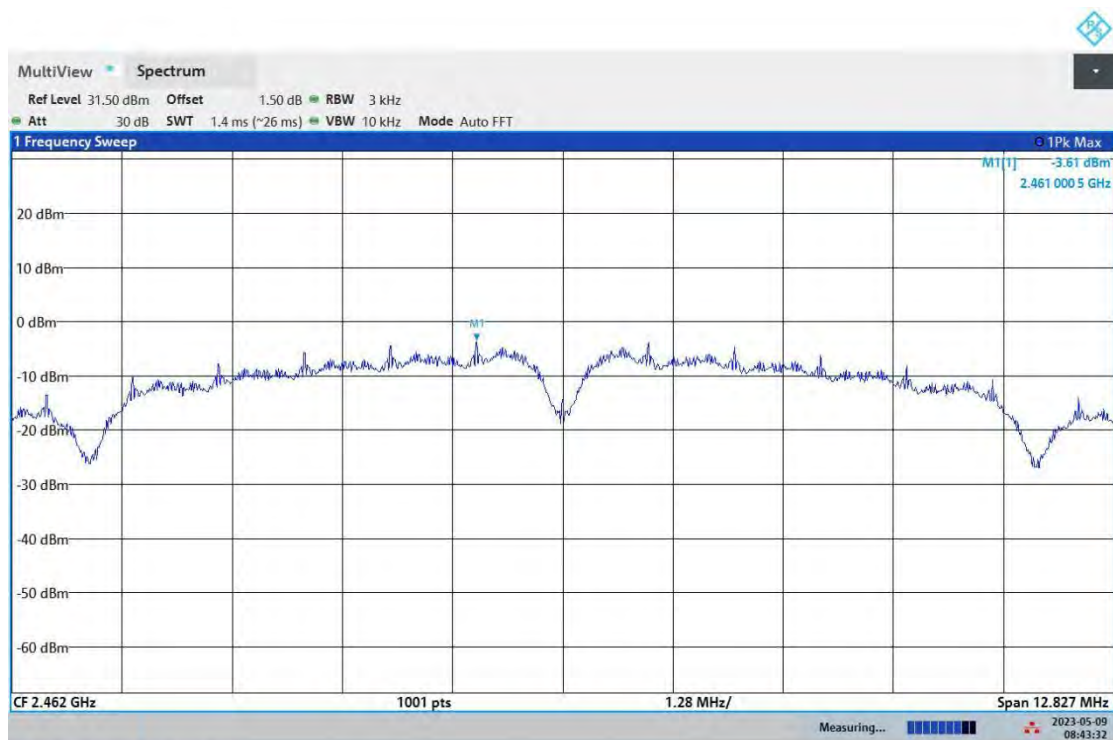
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11B_Ant0_2437



05:22:57 AM 05/09/2023

11B_Ant0_2462



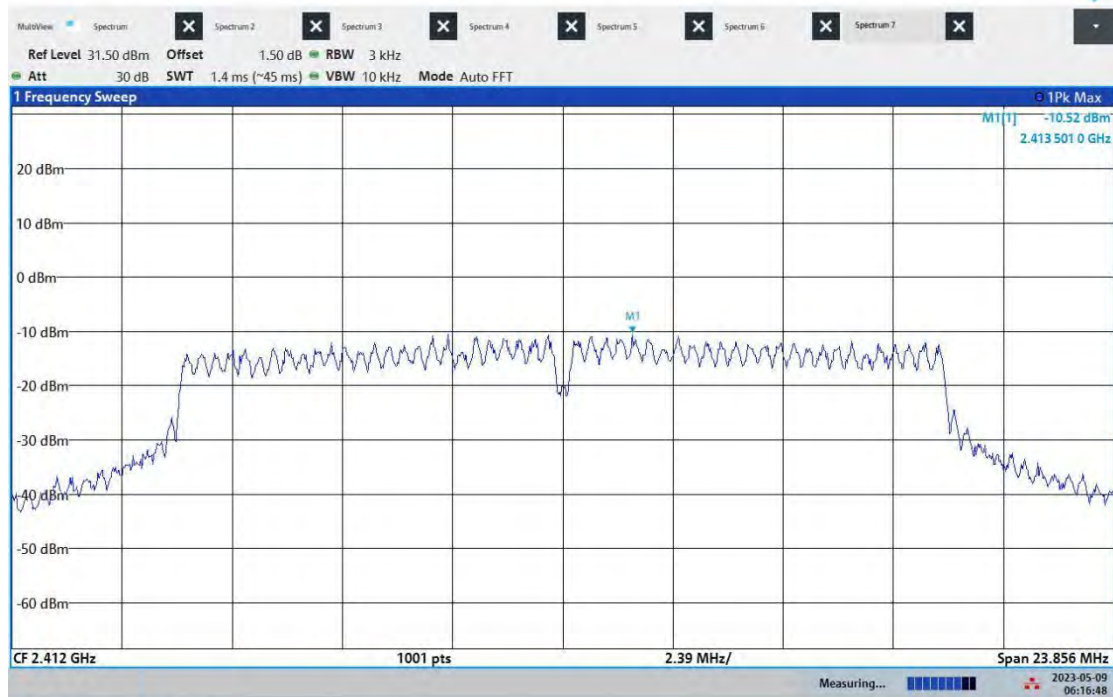
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11G_Ant0_2412



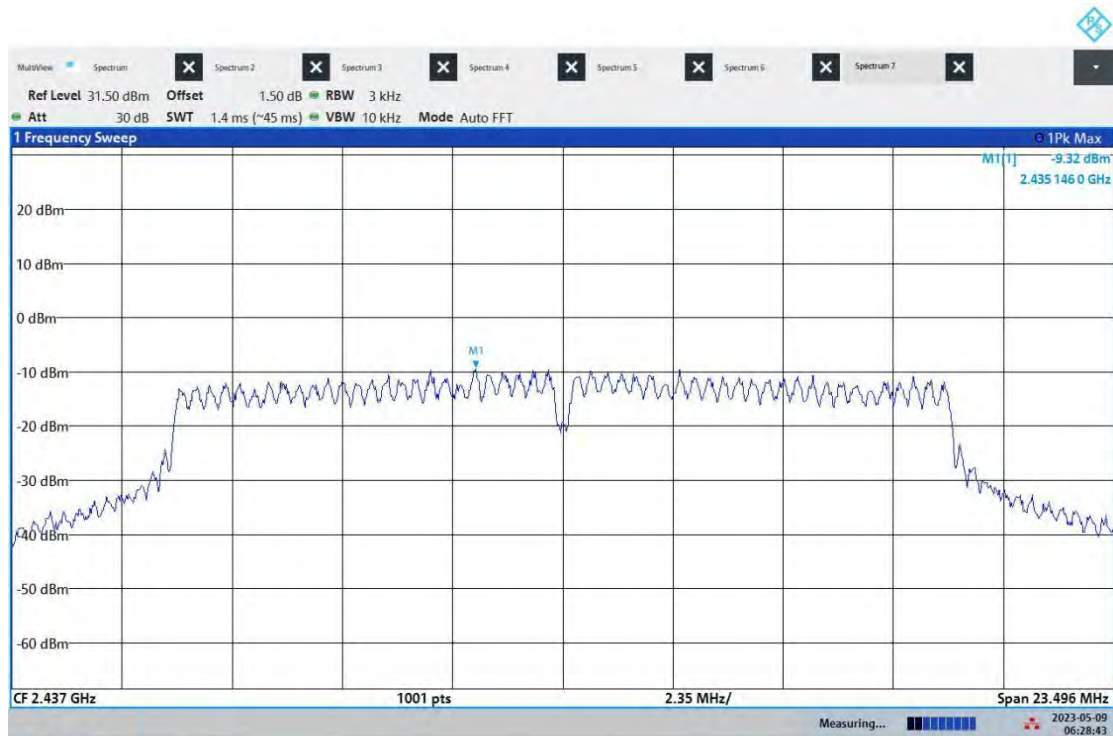
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



06:16:48 AM 05/09/2023

11G_Ant0_2437



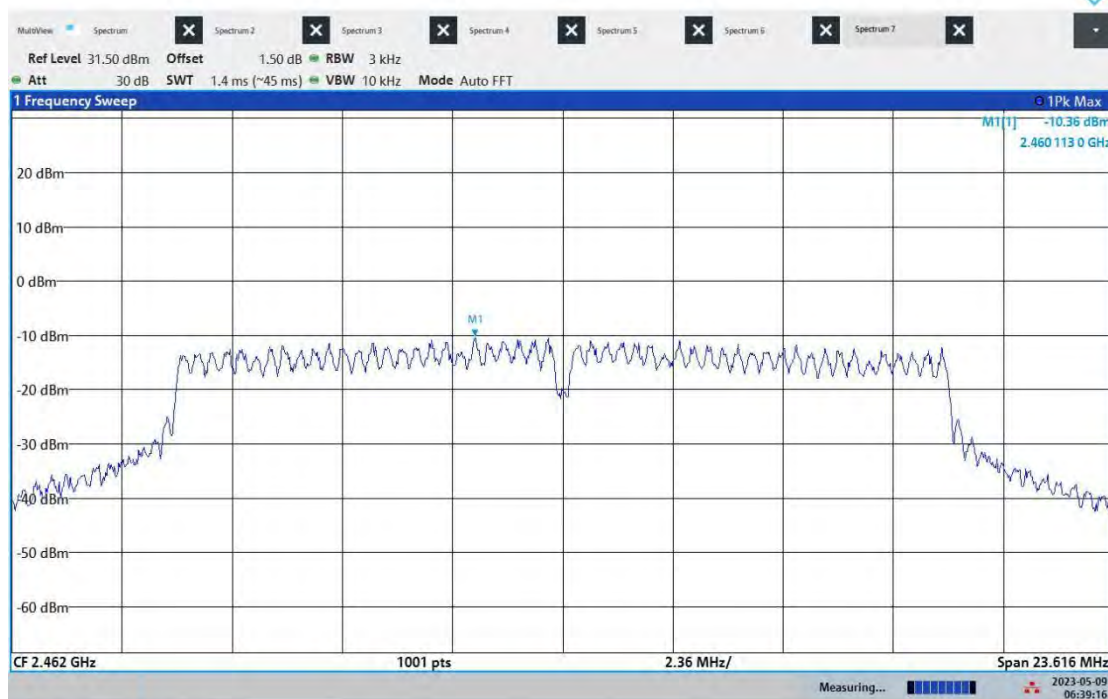
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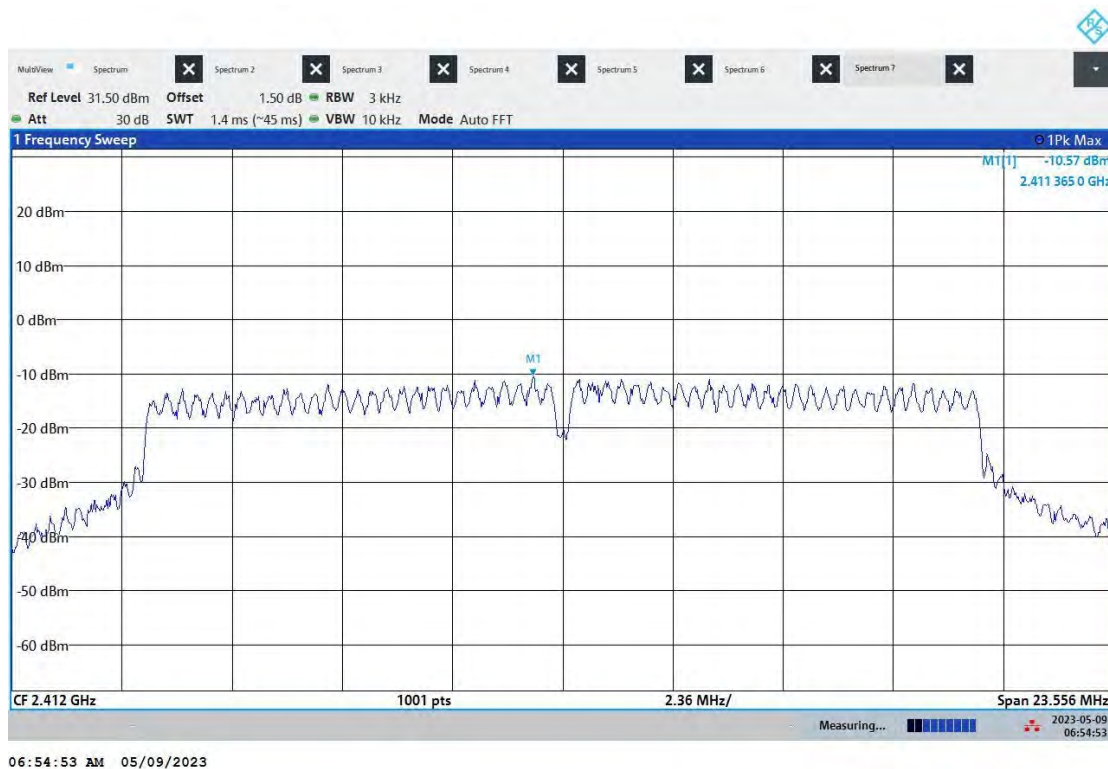


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Test Report No.: PSZ-NQN2303280110RF04



11N20_Ant0_2412

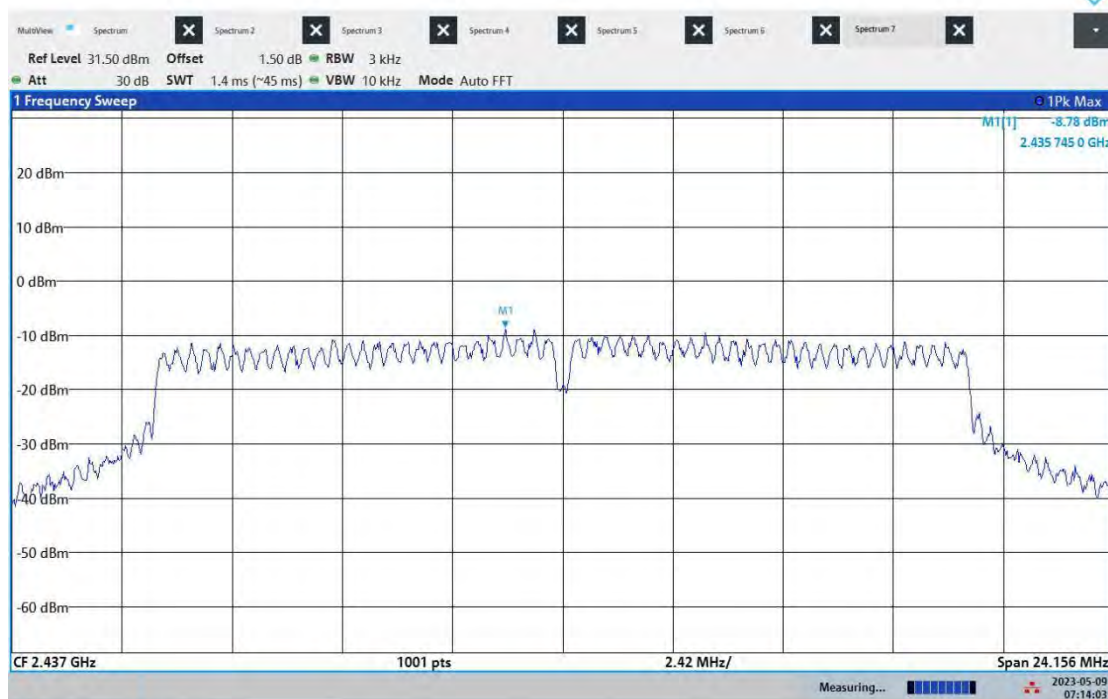


11N20_Ant0_2437



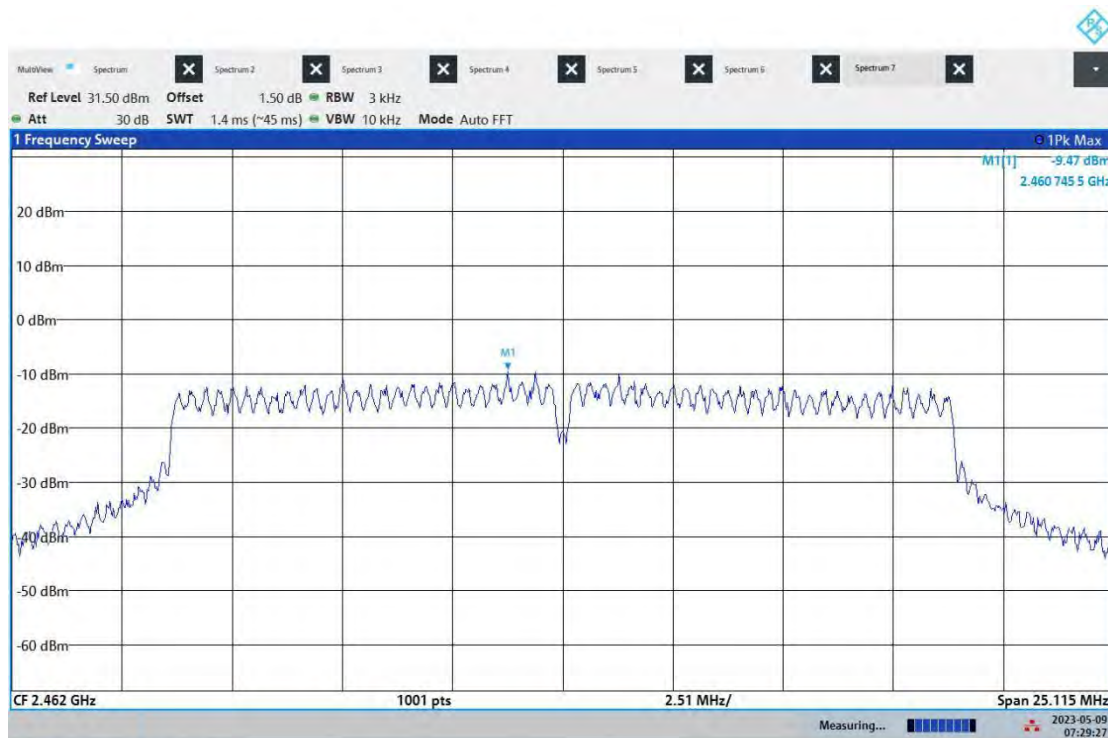
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VERITAS

Test Report No.: PSZ-NQN2303280110RF04



07:14:04 AM 05/09/2023

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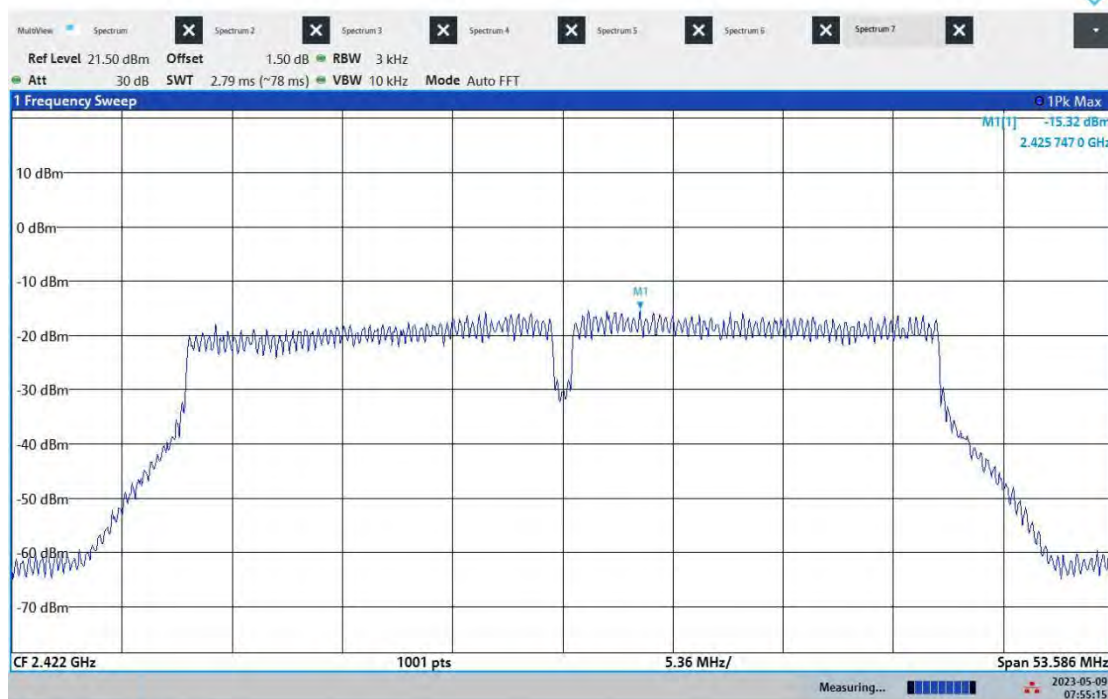
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11N40_Ant0_2422



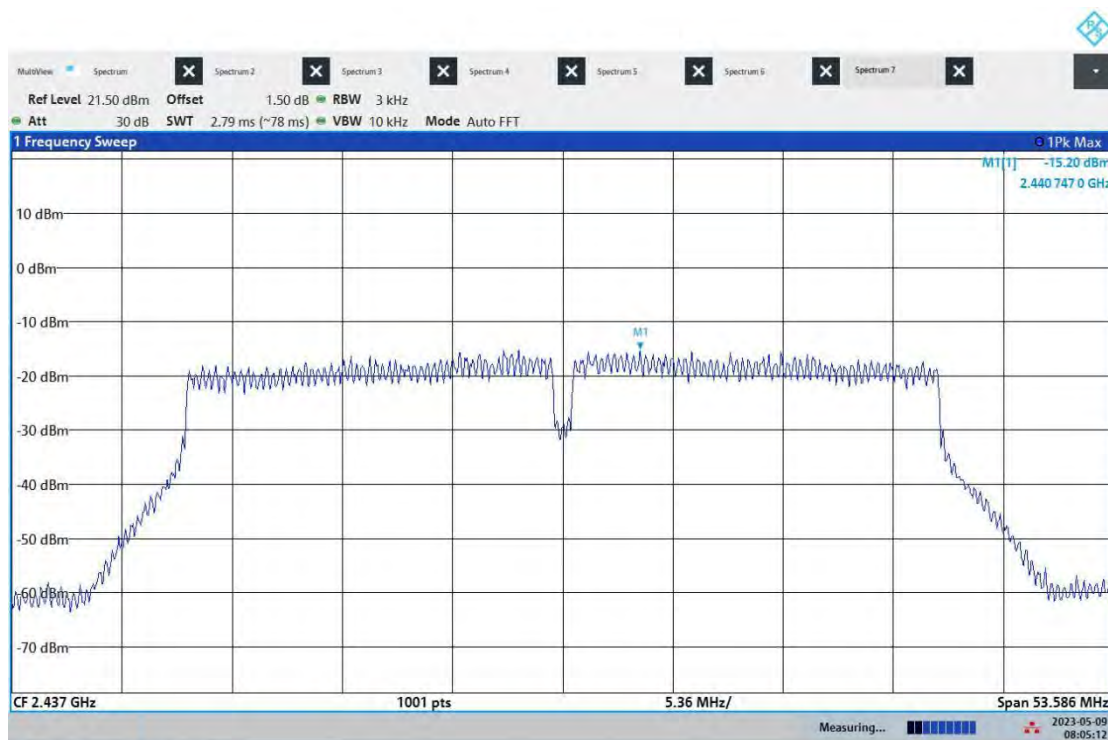
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



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11N40_Ant0_2437



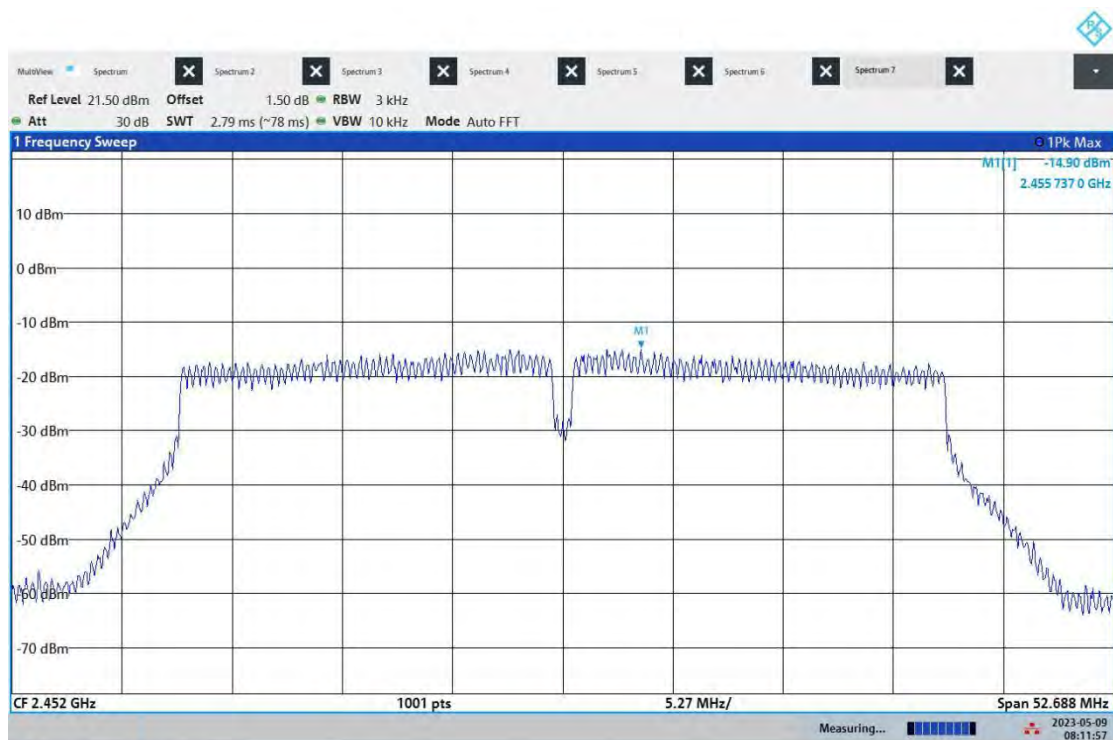
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11N40_Ant0_2452



BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



08:11:58 AM 05/09/2023

BAND EDGE MEASUREMENTS

TEST RESULT

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	Low	2412	9.64	-31.92	≤ -10.36	PASS
	Ant0	High	2462	9.42	-51.86	≤ -10.58	PASS
11G	Ant0	Low	2412	4.90	-24.47	≤ -15.10	PASS

**Test Report No.: PSZ-NQN2303280110RF04**

	Ant0	High	2462	5.11	-49.08	≤ -14.89	PASS
11N20	Ant0	Low	2412	5.02	-22.47	≤ -14.98	PASS
	Ant0	High	2462	5.07	-48.28	≤ -14.93	PASS
11N40	Ant0	Low	2422	0.01	-37.21	≤ -19.99	PASS
	Ant0	High	2452	-0.10	-35.06	≤ -20.10	PASS



MultiView X Spectrum X Spectrum 2 X

Ref Level 31.50 dBm Offset 1.50 dB RBW 100 kHz

Att 30 dB SWT 1.01 ms VBW 300 kHz Mode Auto Sweep

1 Frequency Sweep TPk Max

Marker	Type	Value
H1	Hold	9.640 dBm
H2	Hold	-10.360 dBm
M1	Max	-31.92 dBm
M2	Max	-31.92 dBm
V1	Val	-47.49 dBm

2.35 GHz 1001 pts 8.0 MHz/ 2.43 GHz

Measuring... ■■■■■■■■■■ 2023-05-09 05:47:49

MultiView Spectrum

Ref Level 31.50 dBm Offset 1.50 dB RBW 100 kHz
Att 30 dB SWT 1.58 ms VBW 300 kHz Mode Auto Sweep

1 Frequency Sweep

1Pk Max

M2[1] -51.86 dBm
2.487540 GHz
M1[1] 9.42 dBm
2.462600 GHz

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm

M1 9.420 dBm
H2 -10.580 dBm
M2
V1

2.442 GHz 1001 pts 15.8 MHz/ 2.6 GHz

Measuring... 2023 05 09 08:50:55

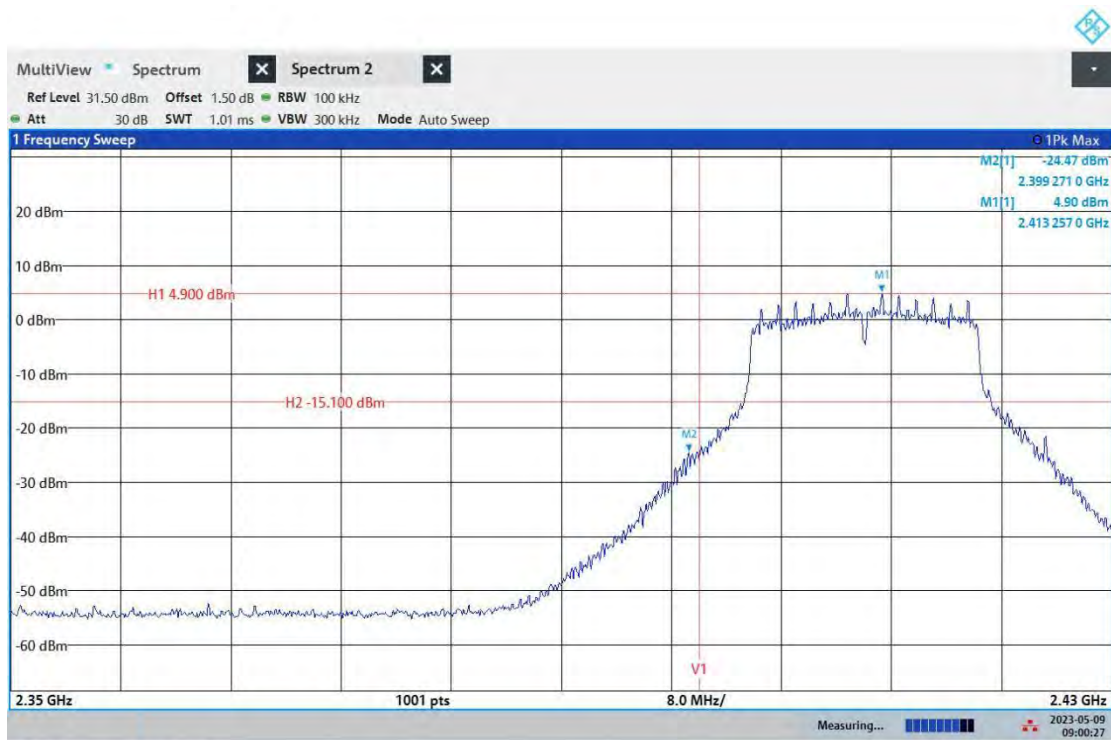
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BUREAU
VERITAS

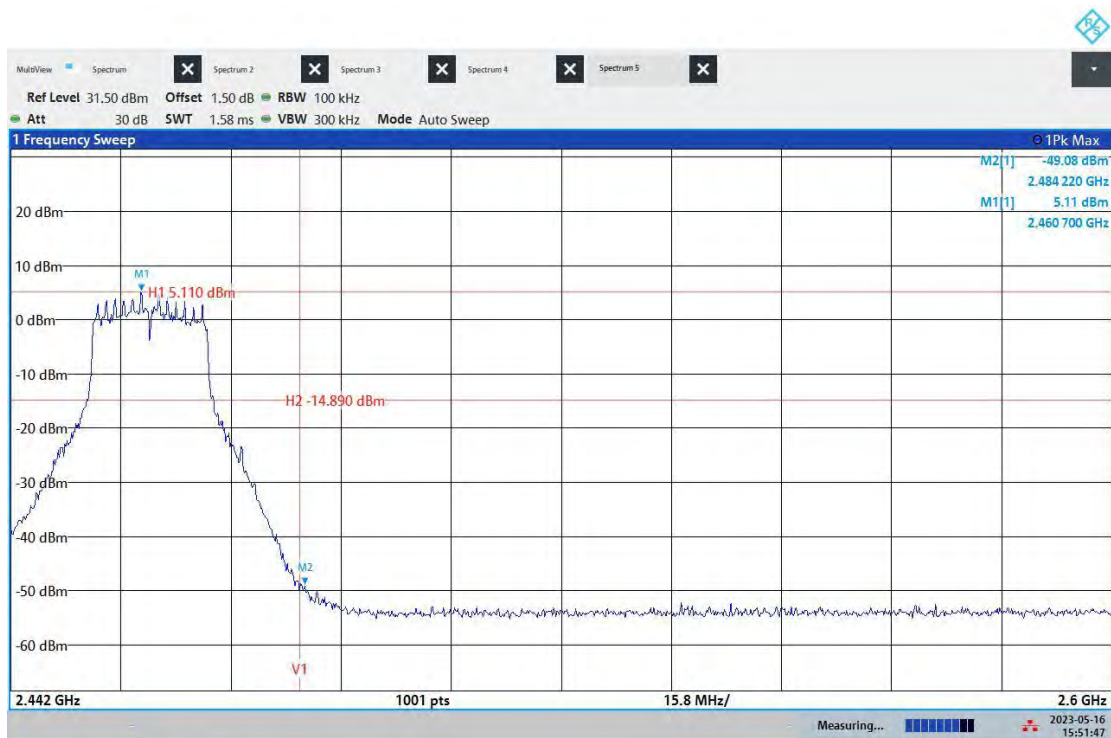
Test Report No.: PSZ-NQN2303280110RF04

11G-CDD_Ant0_Low_2412



09:00:27 AM 05/09/2023

11G-CDD_Ant0_High_2462



03:51:48 PM 05/16/2023

11N20SISO_Ant0_Low_2412

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

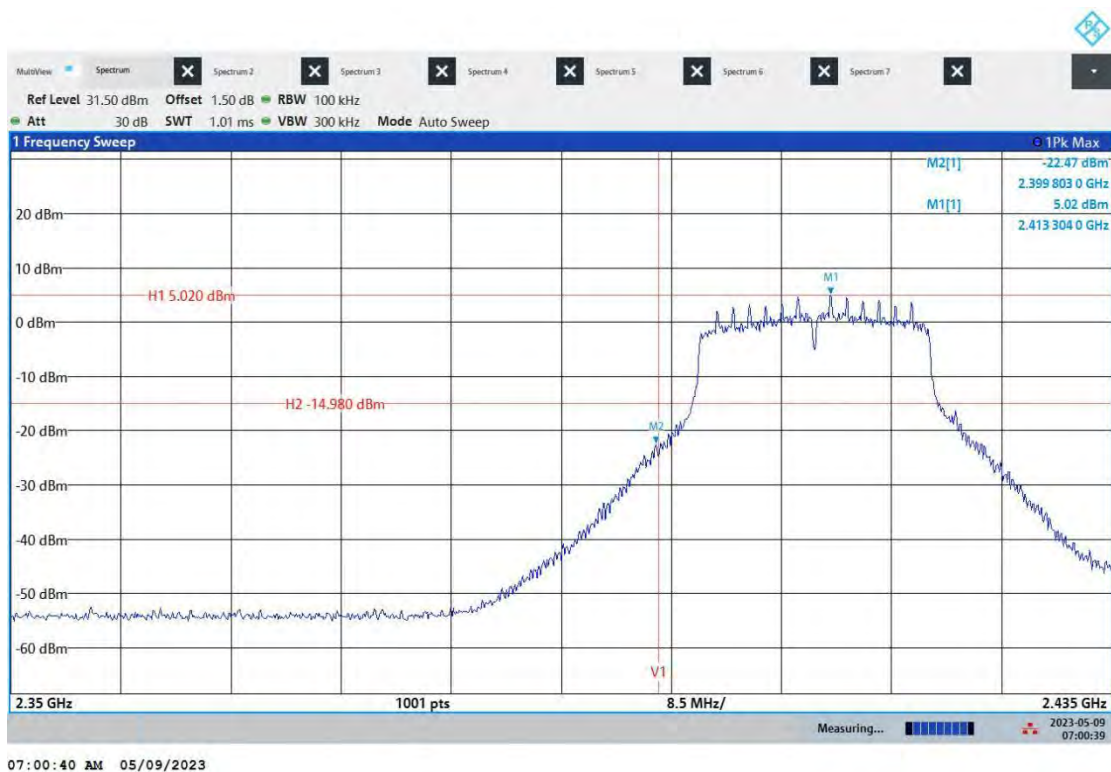
Tower N, Innovation Center, 88 Zhuyi Road, High-tech
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008

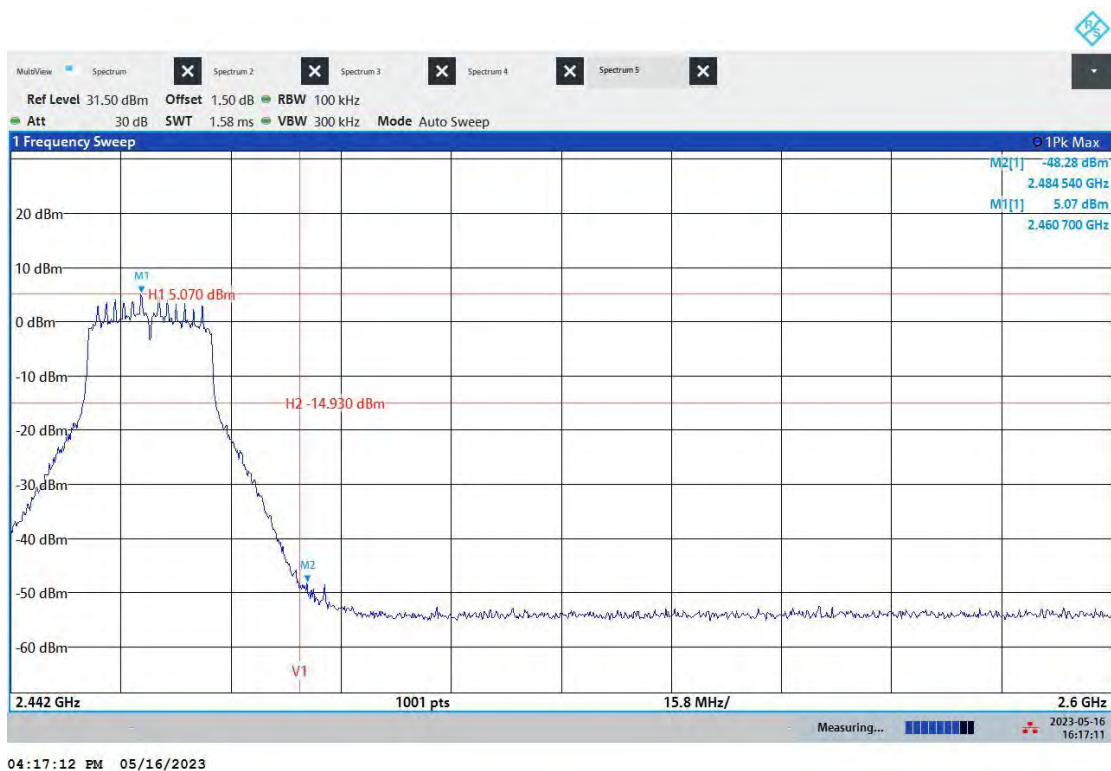


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VERITAS

Test Report No.: PSZ-NQN2303280110RF04



11N20SISO_Ant0_High_2462

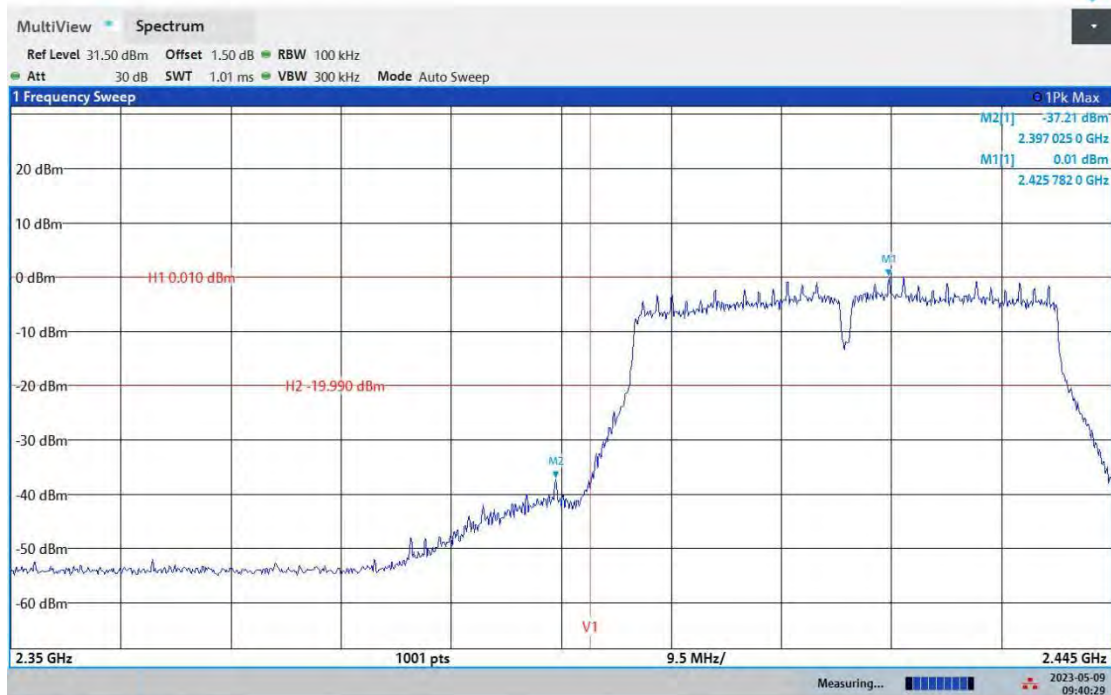


11N40SISO_Ant0_Low_2412



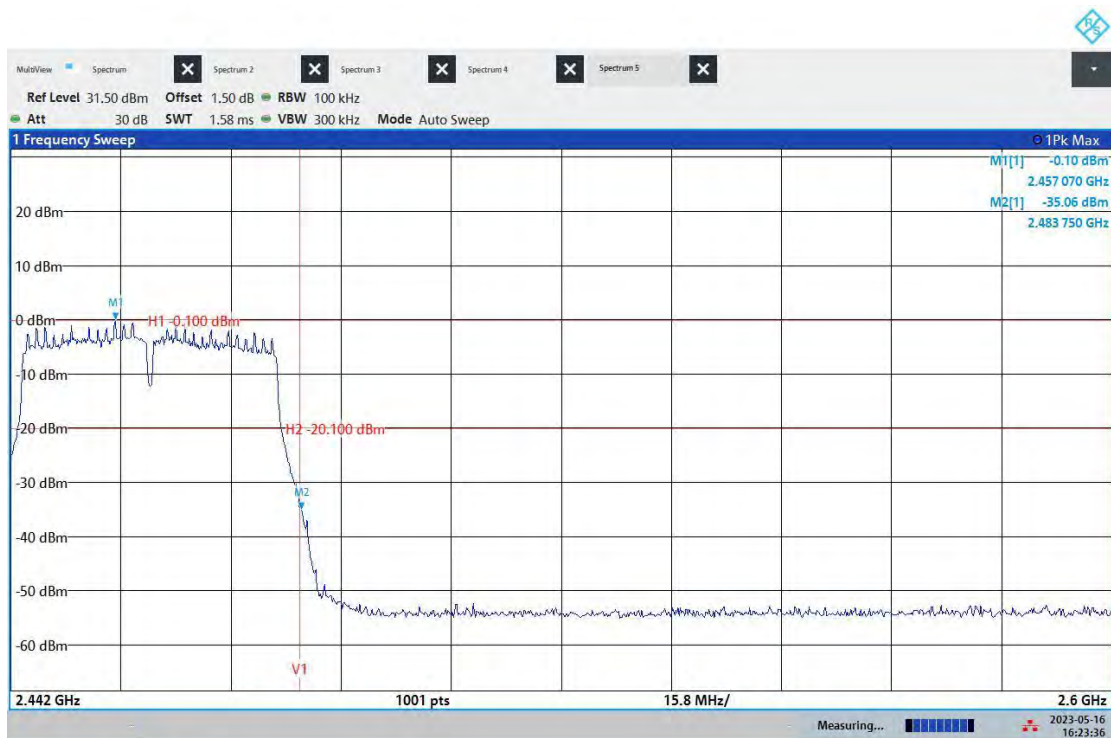
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



09:40:30 AM 05/09/2023

11N40SISO_Ant0_High_2462



04:23:36 PM 05/16/2023



CONDUCTED SPURIOUS EMISSION

TEST RESULT

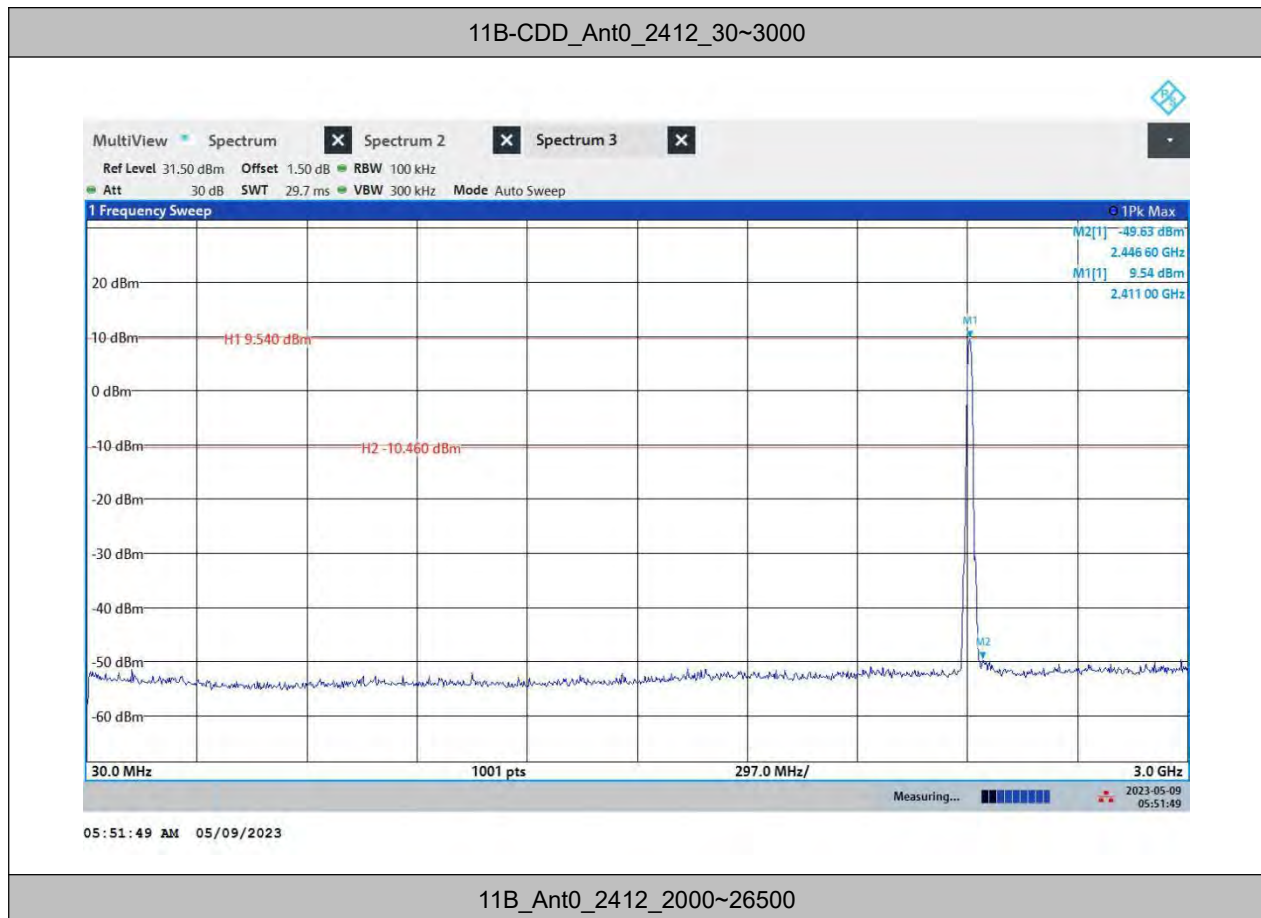
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	30~3000	9.54	-49.63	≤-10.46	PASS
			2000~26500	9.18	-44.61	≤-10.82	PASS
	Ant0	2437	30~3000	9.38	-49.58	≤-10.62	PASS
			2000~26500	9.12	-44.99	≤-10.88	PASS
	Ant0	2462	30~3000	8.96	-43.40	≤-11.04	PASS
			2000~26500	9.09	-44.90	≤-10.91	PASS
11G	Ant0	2412	30~3000	4.82	-47.08	≤-15.18	PASS
			2000~26500	4.62	-44.13	≤-15.38	PASS
	Ant0	2437	30~3000	4.87	-47.60	≤-15.13	PASS
			2000~26500	3.30	-43.83	≤-16.70	PASS
	Ant0	2462	30~3000	4.96	-41.51	≤-15.04	PASS
			2000~26500	4.62	-44.13	≤-15.38	PASS
11N20	Ant0	2412	30~3000	4.71	-46.38	≤-15.29	PASS
			2000~26500	4.34	-44.68	≤-15.66	PASS
	Ant0	2437	30~3000	4.63	-45.82	≤-15.37	PASS
			2000~26500	4.73	-44.68	≤-15.27	PASS
	Ant0	2462	30~3000	4.84	-50.45	≤-15.16	PASS
			2000~26500	4.96	-44.46	≤-15.04	PASS
11N40	Ant0	2422	30~3000	-0.29	-47.60	≤-20.29	PASS
			2000~26500	-0.35	-44.29	≤-20.35	PASS
	Ant0	2437	30~3000	-0.03	-50.16	≤-19.97	PASS
			2000~26500	-0.53	-44.30	≤-20.53	PASS
	Ant0	2452	30~3000	-0.14	-50.24	≤-20.14	PASS
			2000~26500	-0.36	-44.35	≤-20.63	PASS



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VERITAS

Test Report No.: PSZ-NQN2303280110RF04

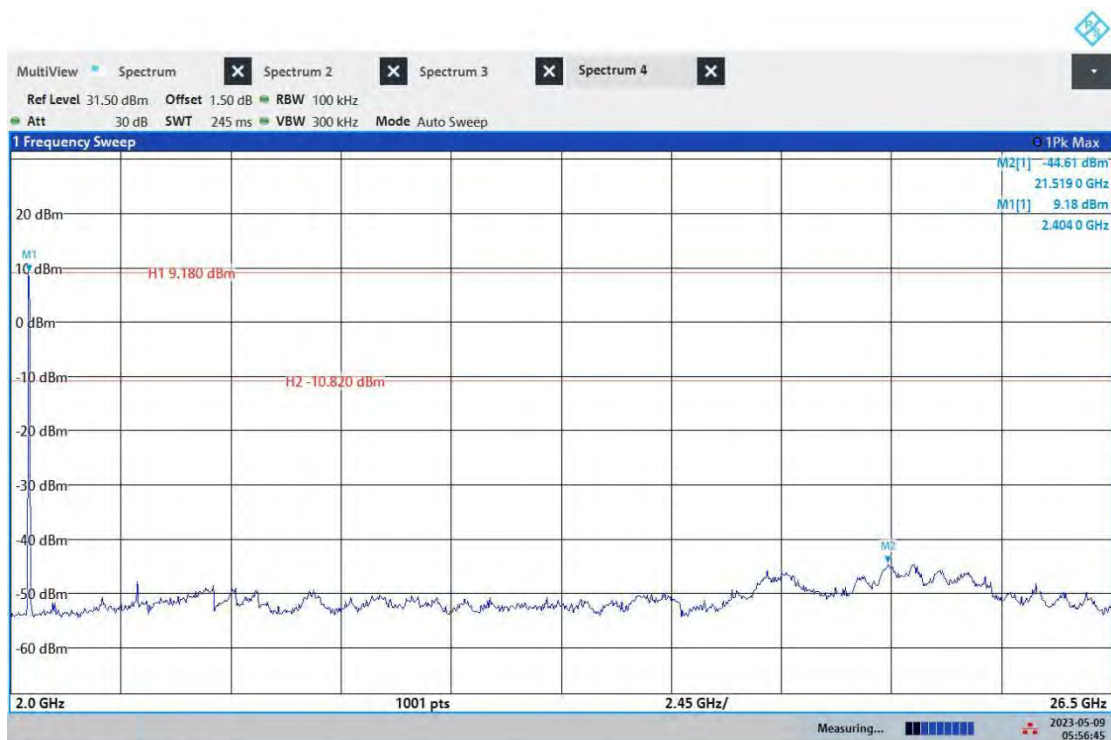
TEST GRAPHS





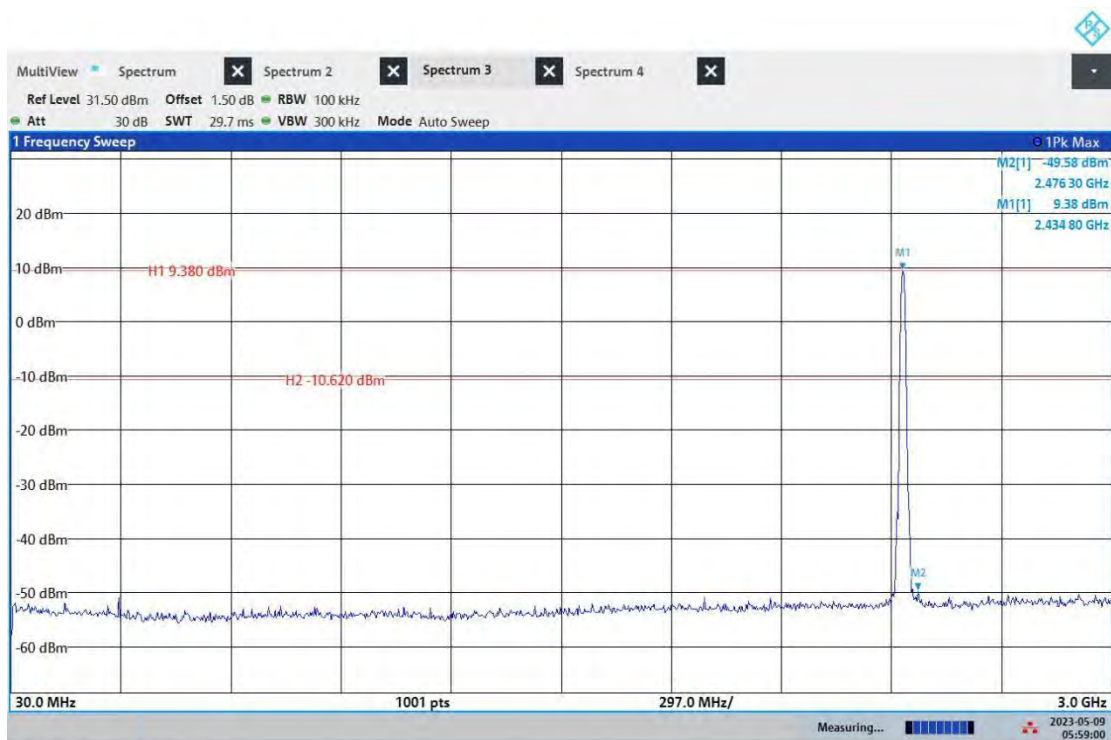
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



05:56:45 AM 05/09/2023

11B_Ant0_2437_30~3000



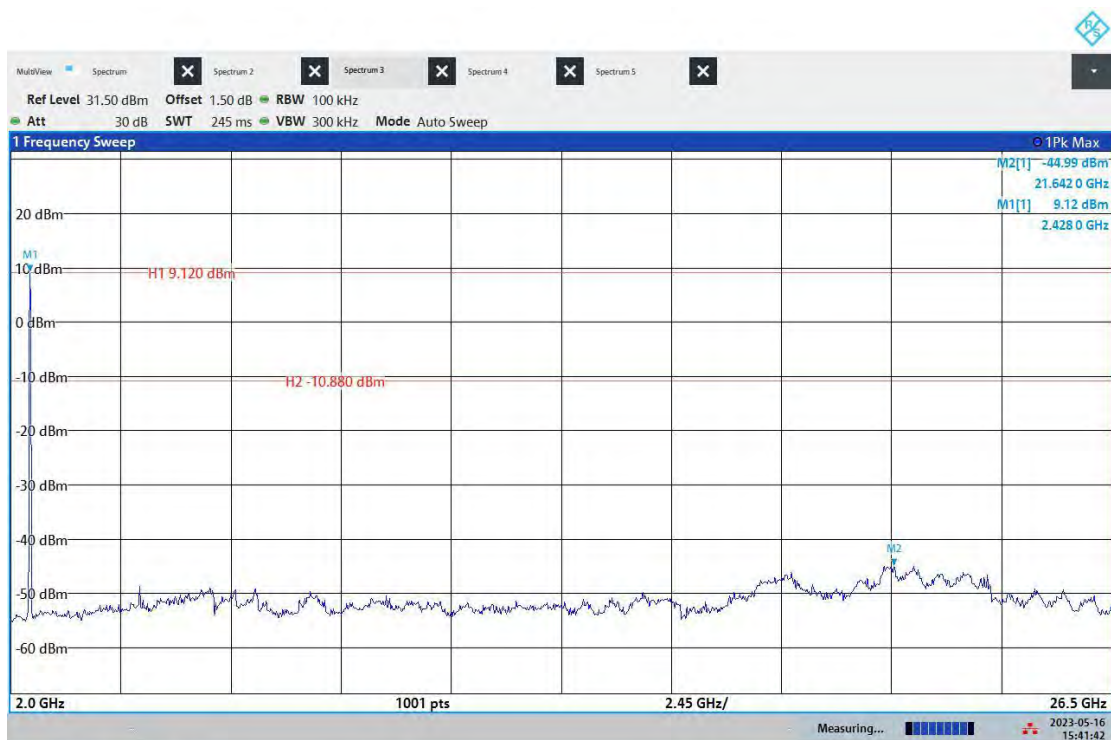
05:59:00 AM 05/09/2023

11B_Ant0_2437_2000~26500



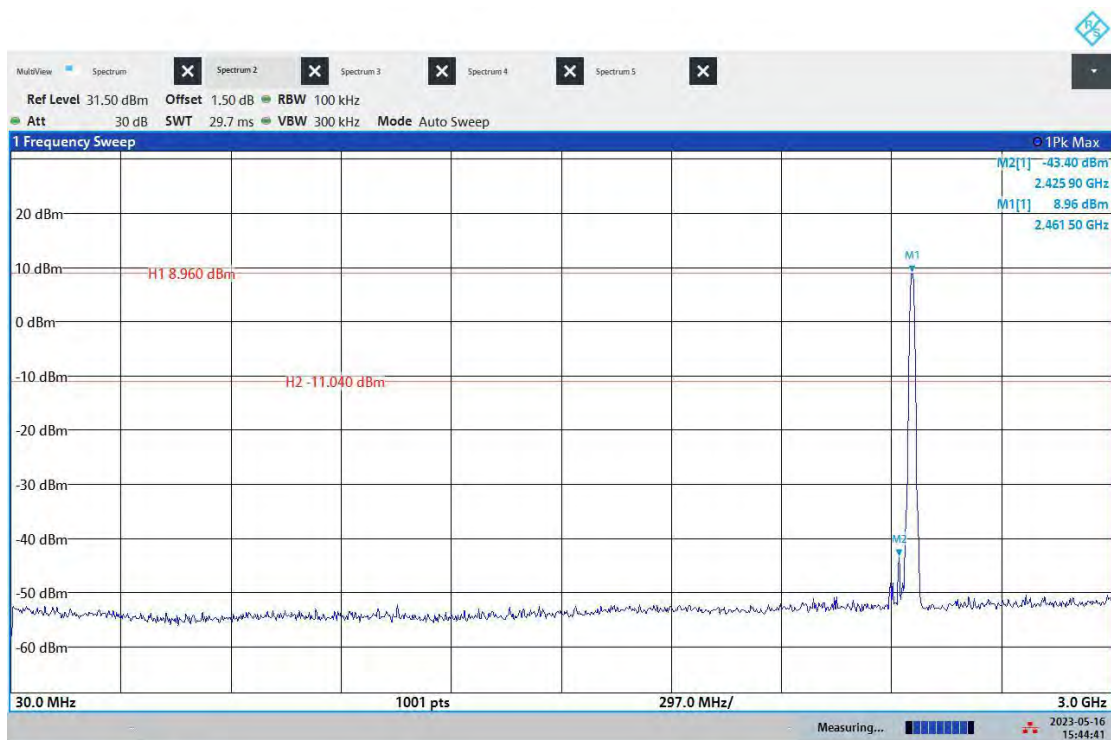
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



03:41:42 PM 05/16/2023

11B_Ant0_2462_30~3000



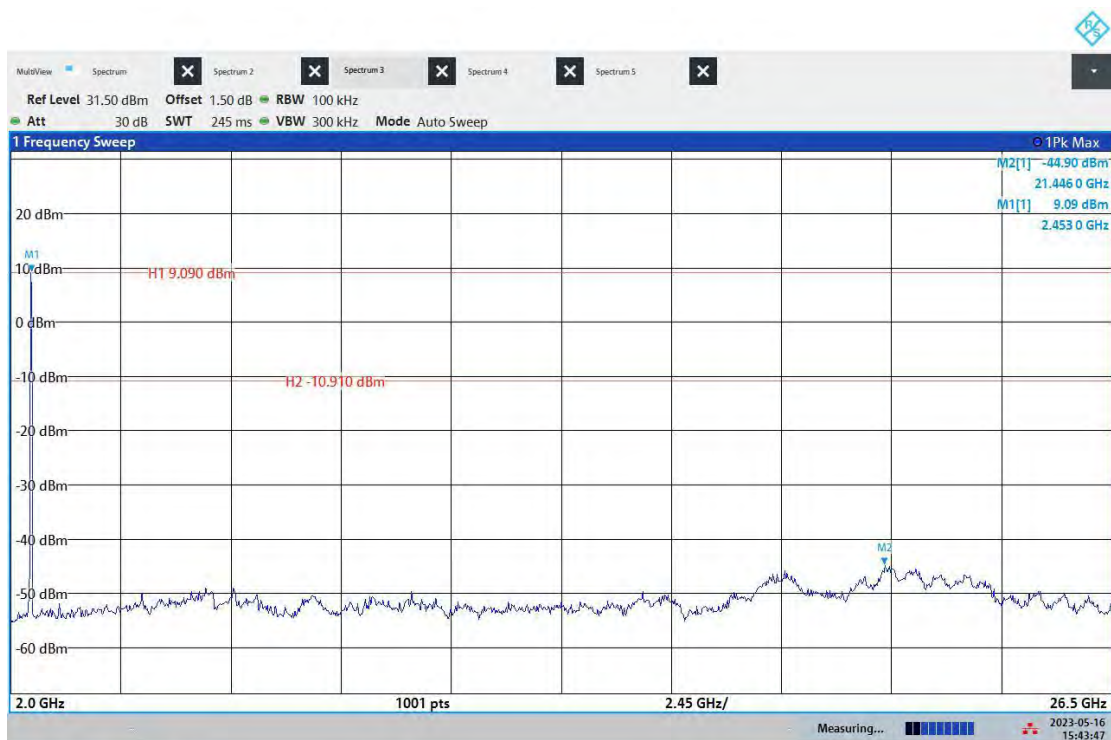
03:44:41 PM 05/16/2023

11B_Ant0_2462_2000~26500



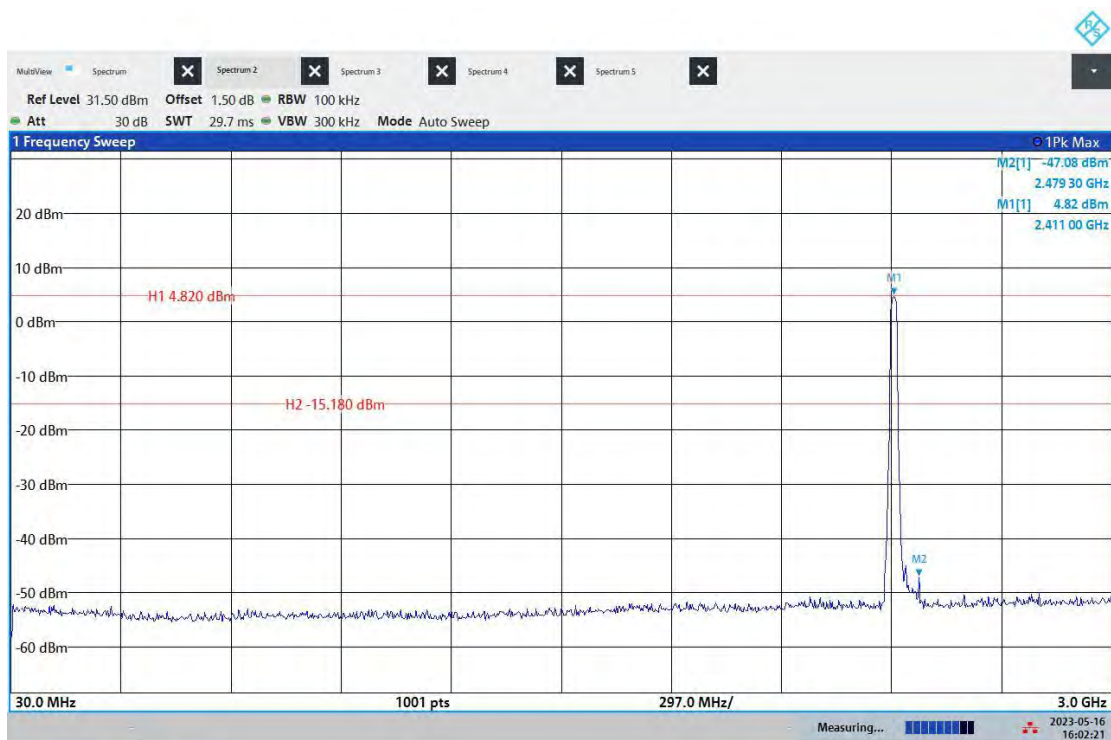
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



03:43:48 PM 05/16/2023

11G_Ant0_2412_30~3000



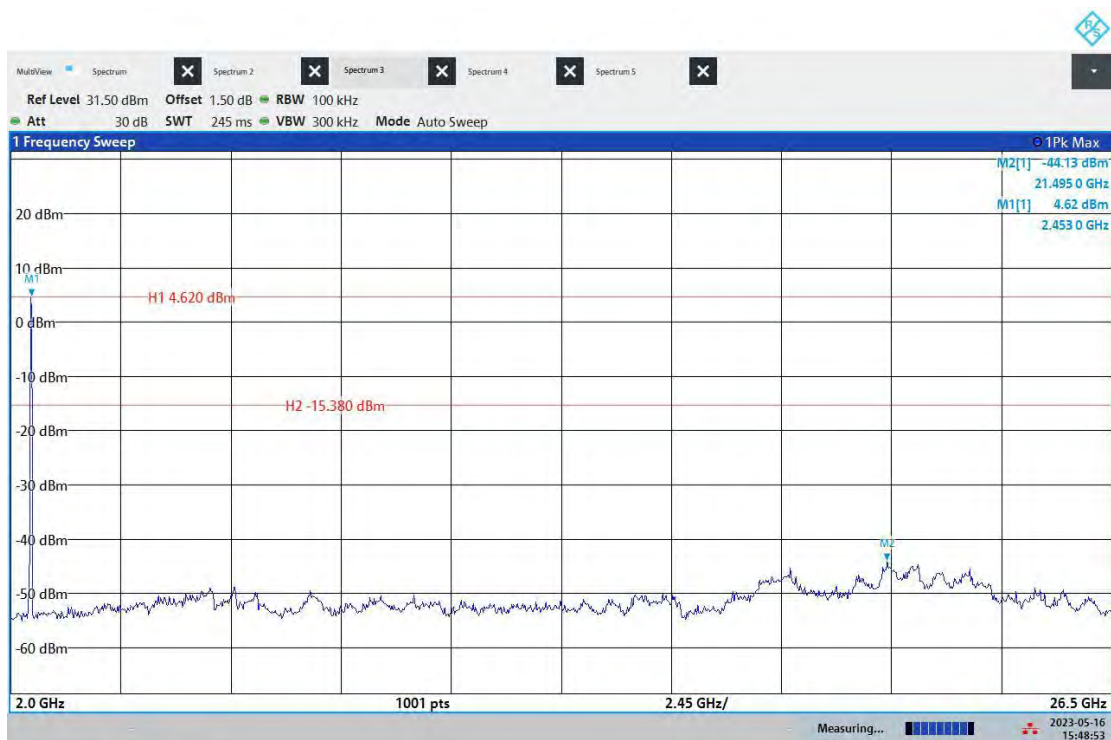
04:02:22 PM 05/16/2023

11G_Ant0_2412_2000~26500



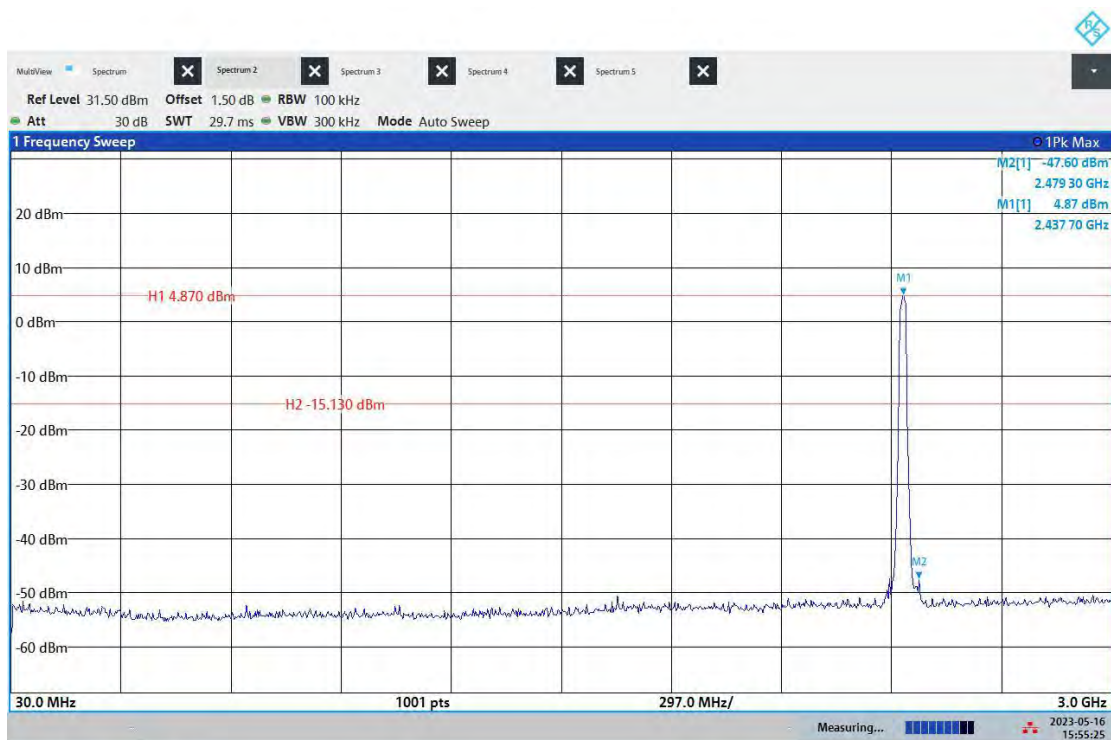
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



03:48:54 PM 05/16/2023

11G_Ant0_2437_30~3000



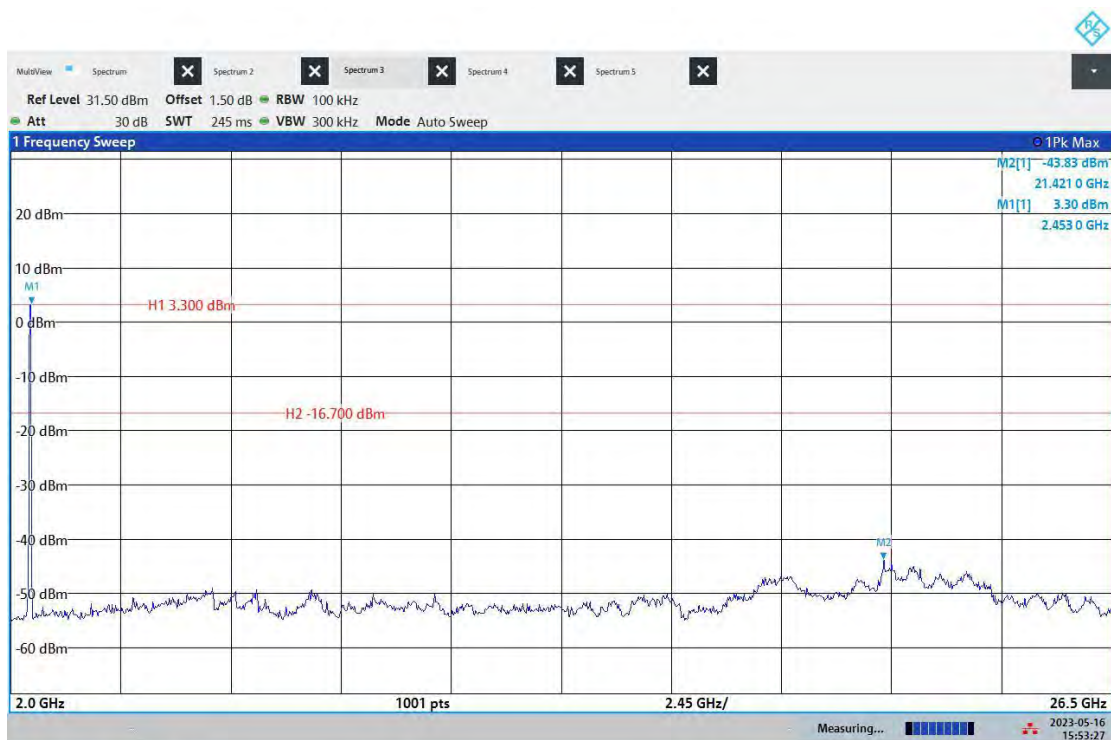
03:55:26 PM 05/16/2023

11G_Ant0_2437_2000~26500



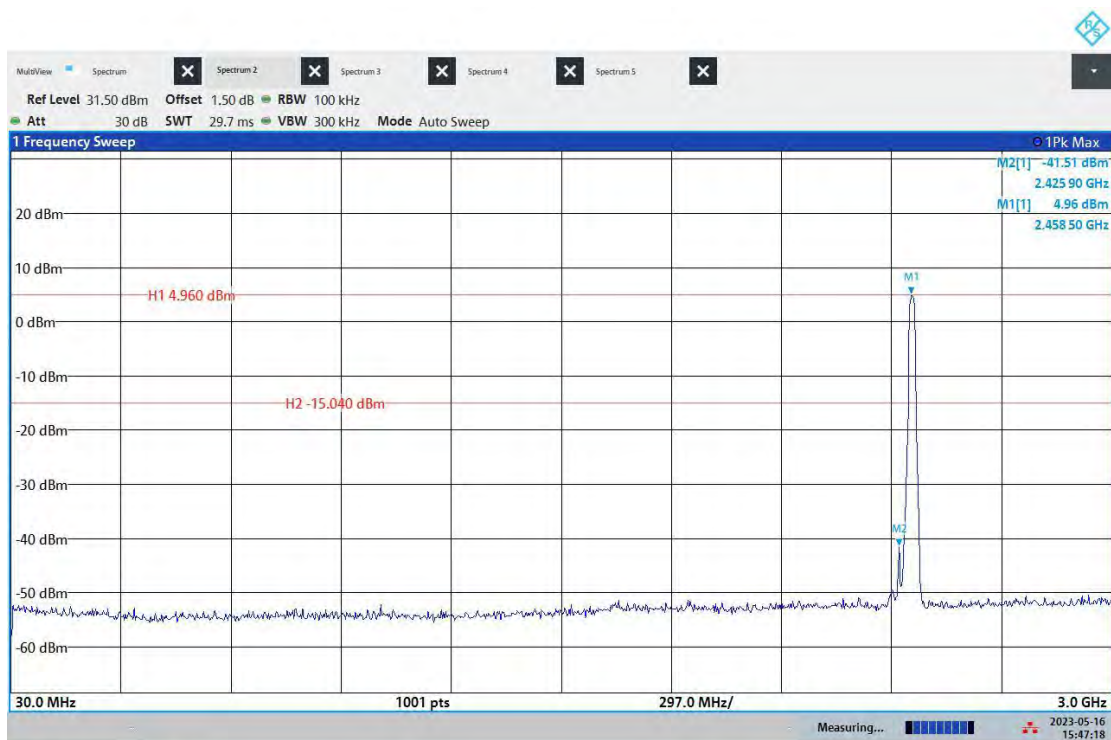
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



03:53:29 PM 05/16/2023

11G_Ant0_2462_30~3000



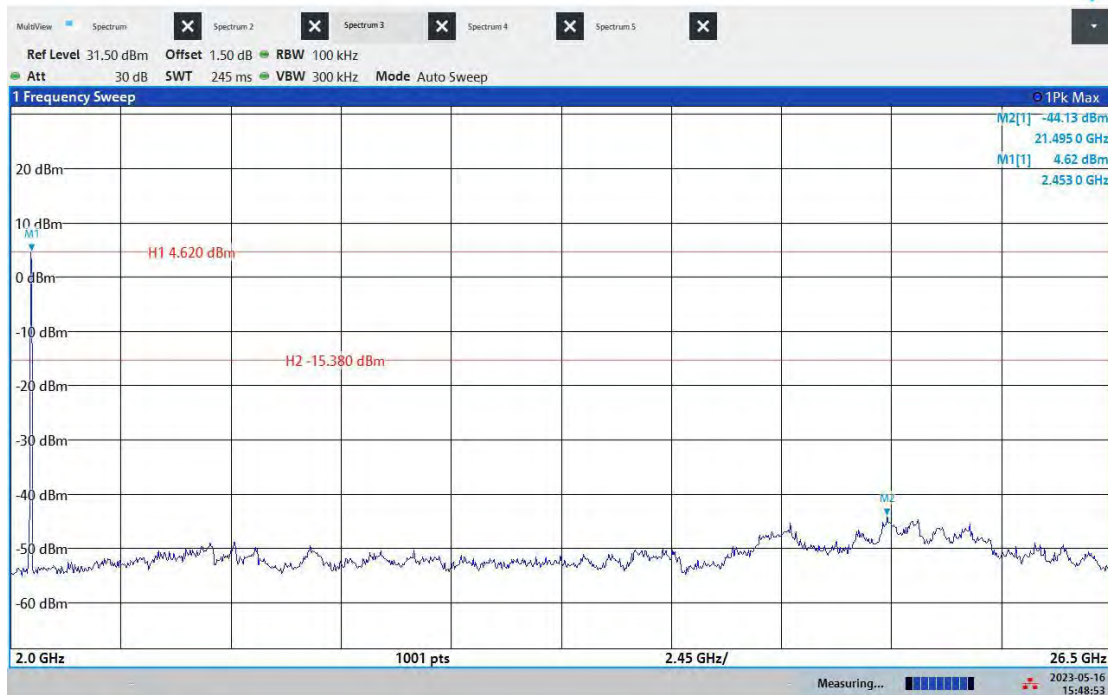
03:47:19 PM 05/16/2023

11G_Ant0_2462_2000~26500



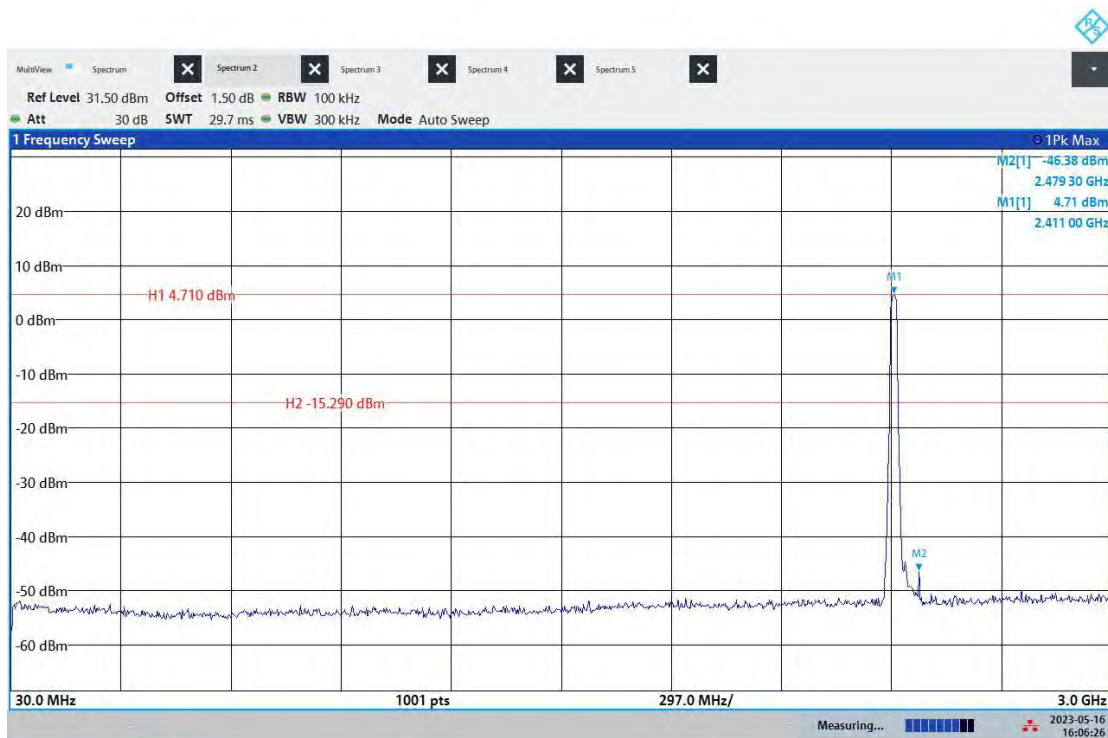
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



03:48:54 PM 05/16/2023

11N20_Ant0_2412_30~3000



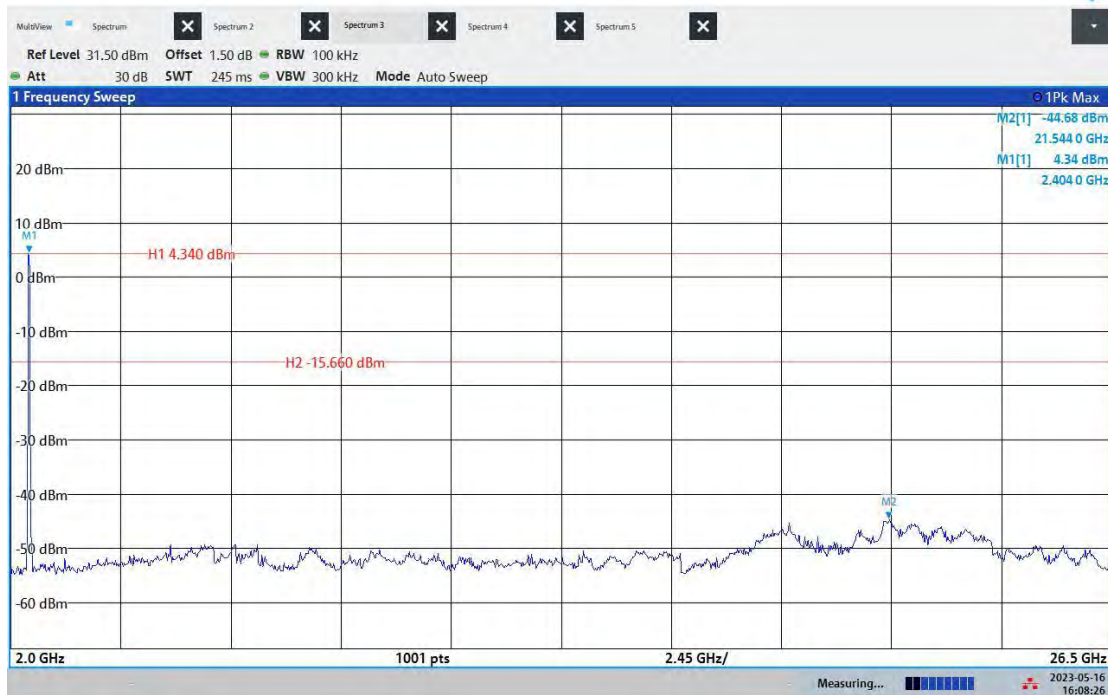
04:06:26 PM 05/16/2023

11N20_Ant0_2412_2000~26500

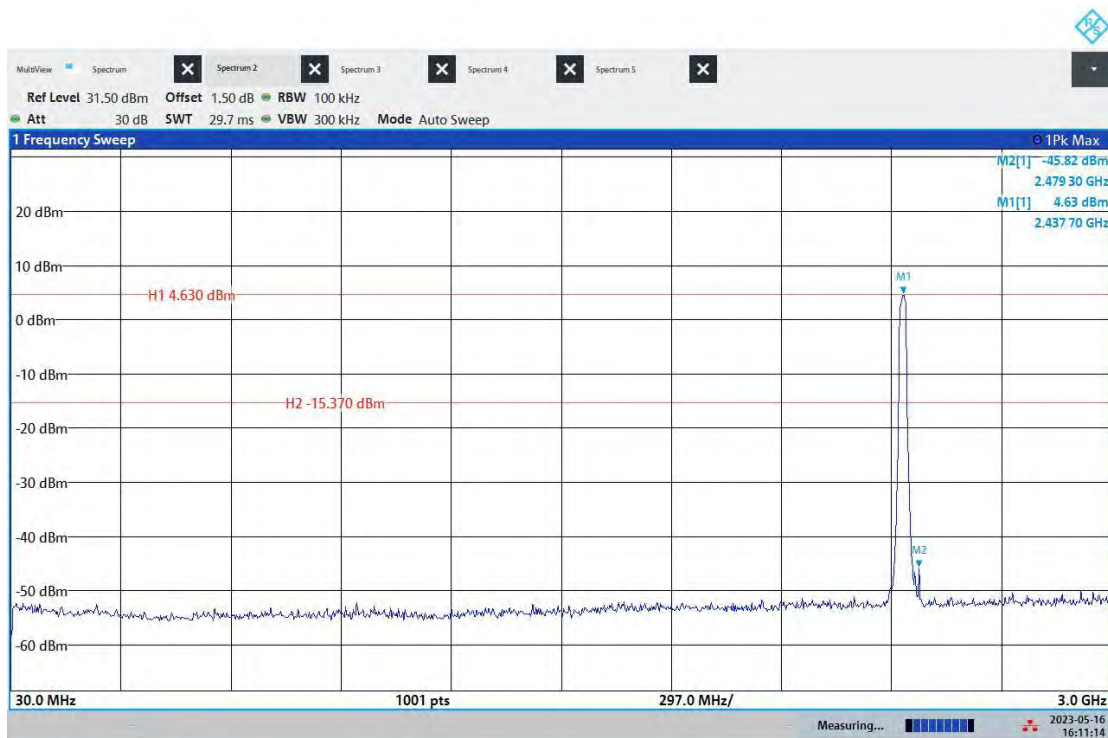


BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



11N20_Ant0_2437_30~3000

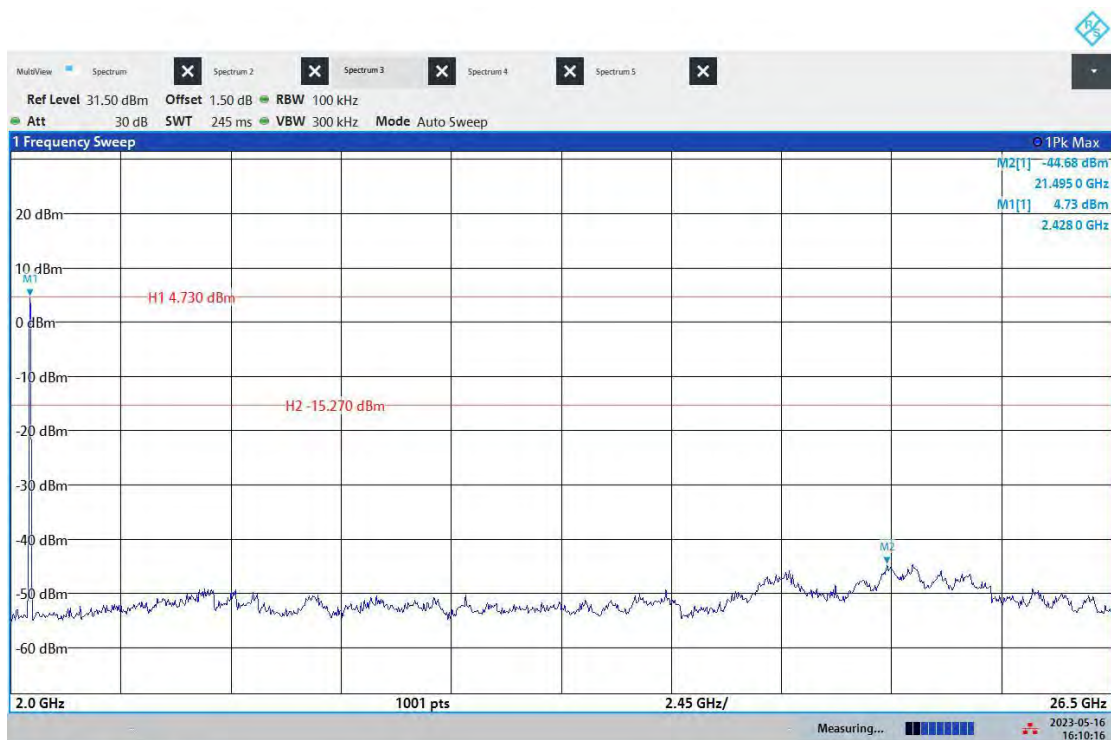


11N20_Ant0_2437_2000~26500



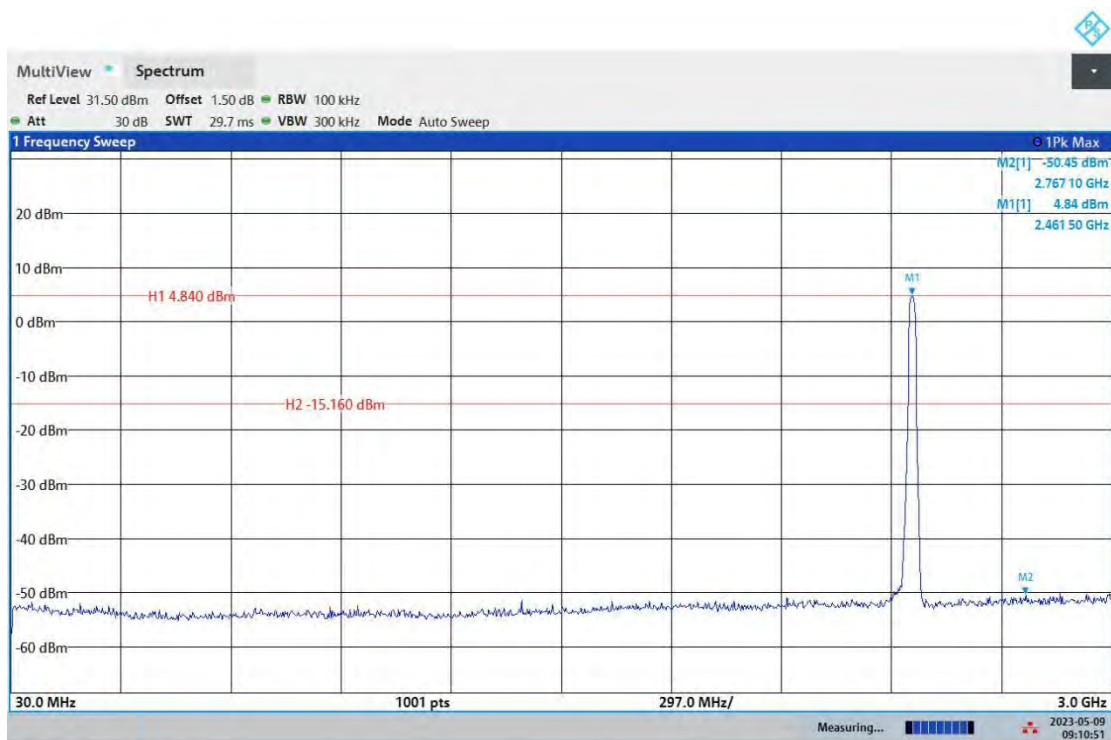
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



04:10:17 PM 05/16/2023

11N20_Ant0_2462_30~3000



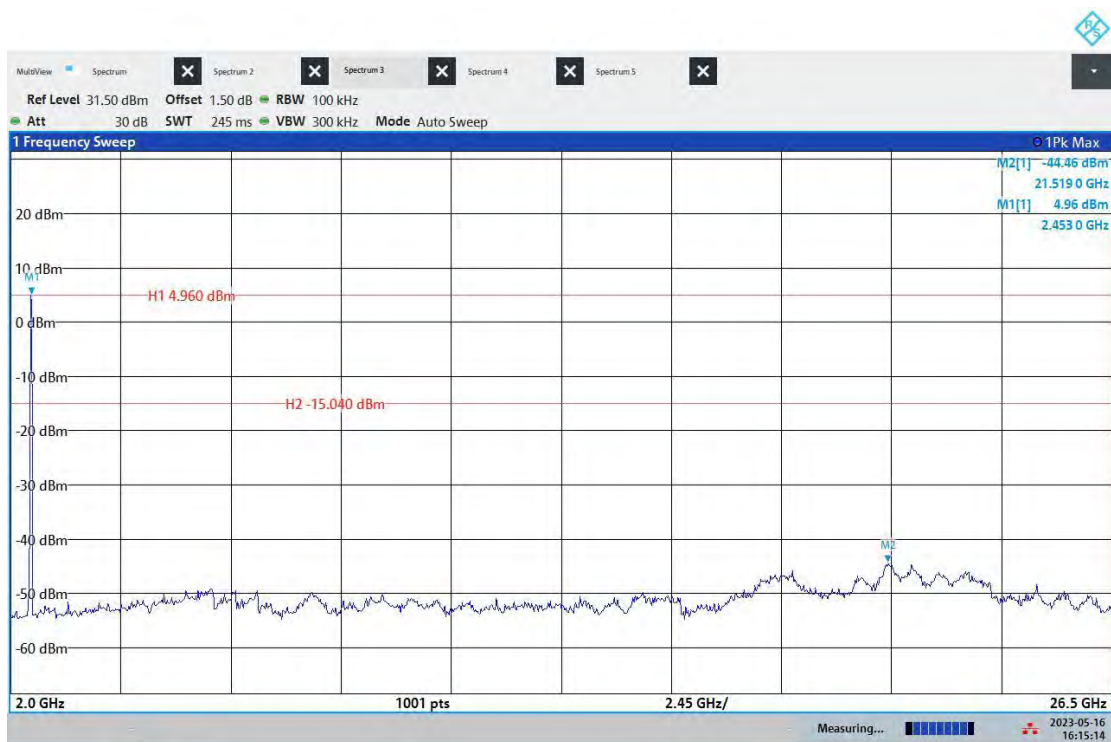
09:10:52 AM 05/09/2023

11N20_Ant0_2462_2000~26500



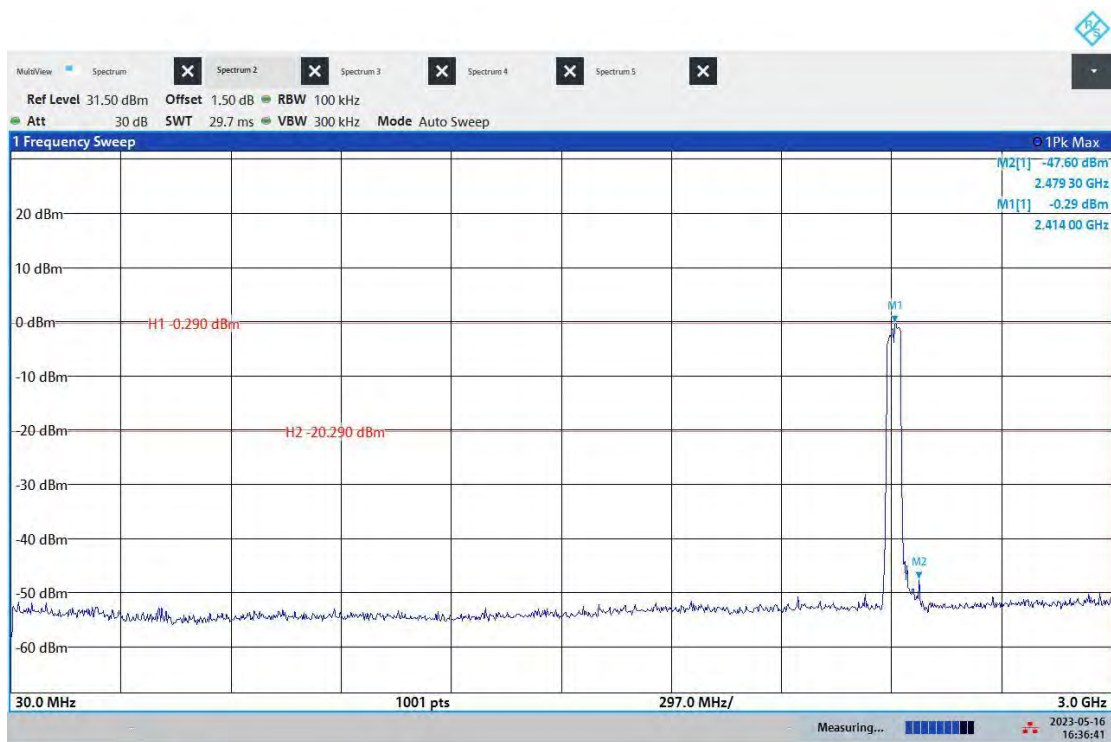
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



04:15:14 PM 05/16/2023

11N40_Ant0_2422_30~3000



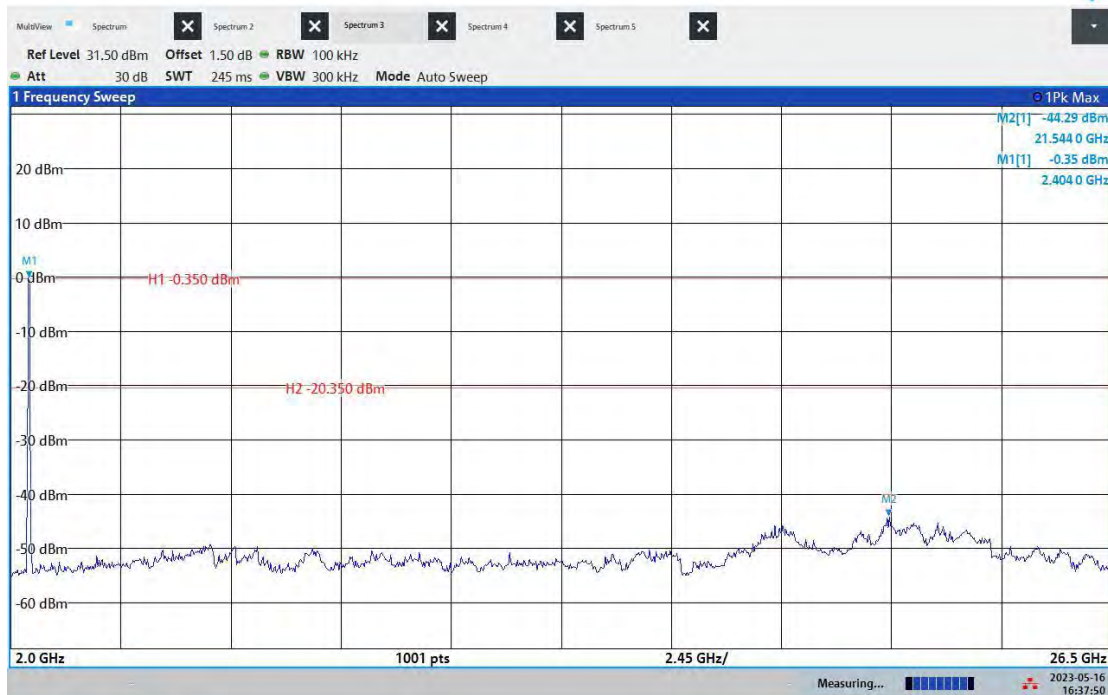
04:36:42 PM 05/16/2023

11N40_Ant0_2422_2000~26500



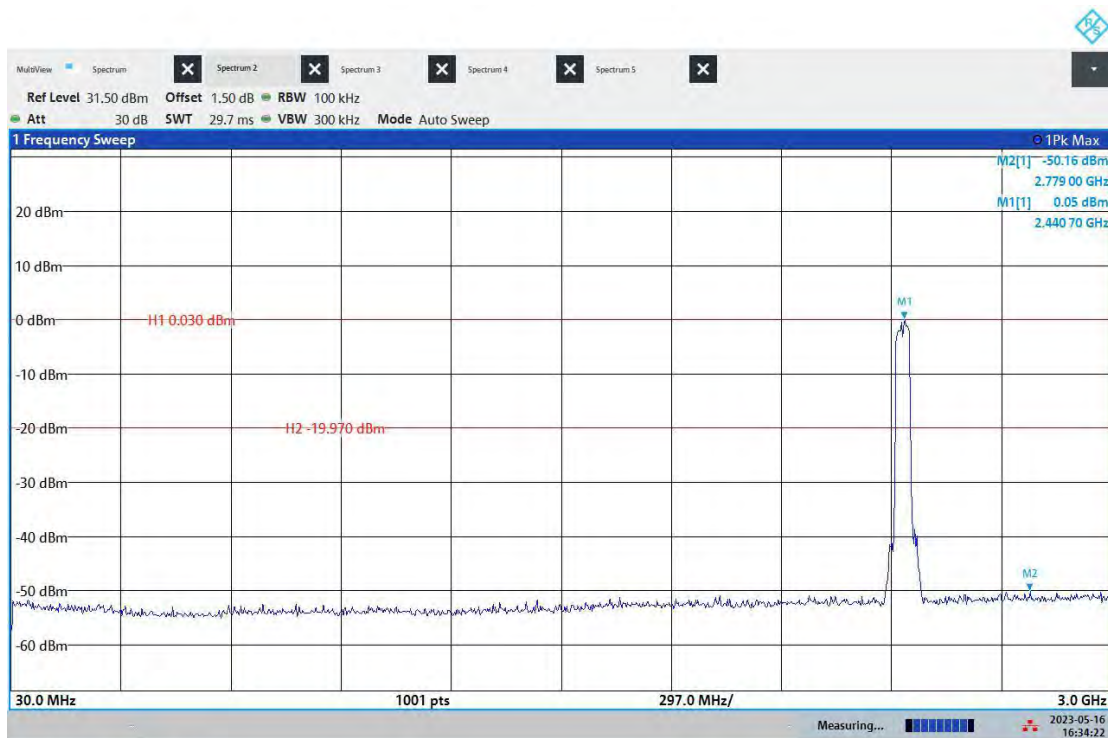
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



04:37:50 PM 05/16/2023

11N40_Ant0_2437_30~3000



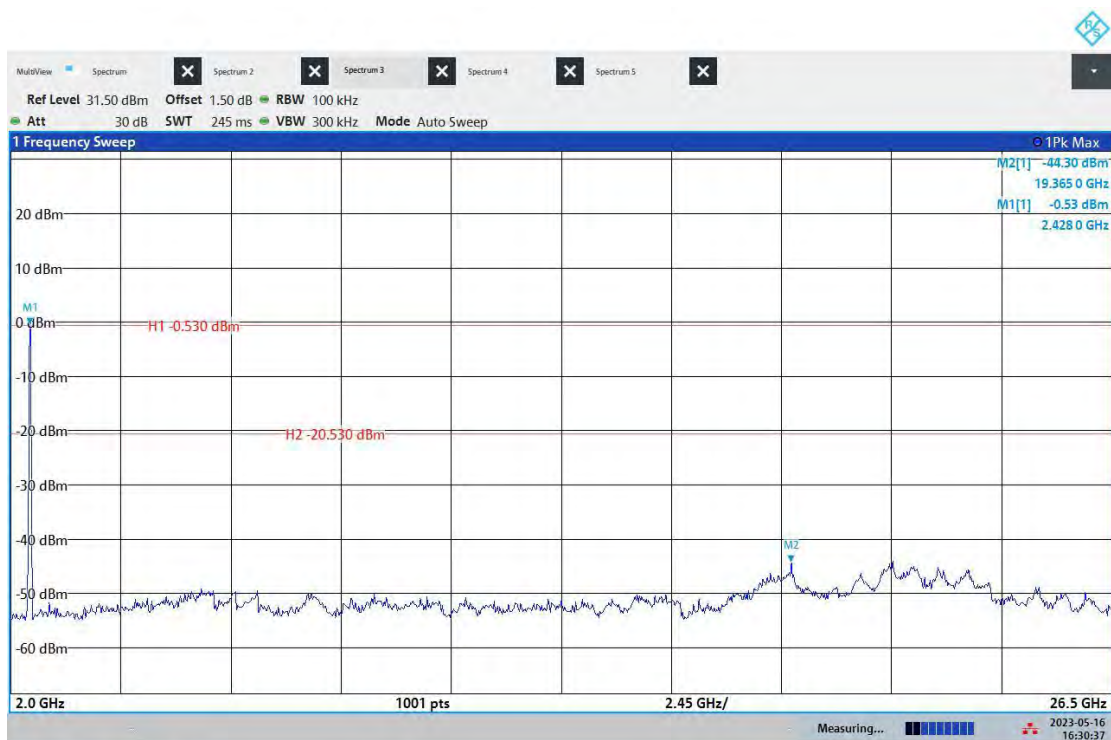
04:34:22 PM 05/16/2023

11N40_Ant0_2437_2000~26500



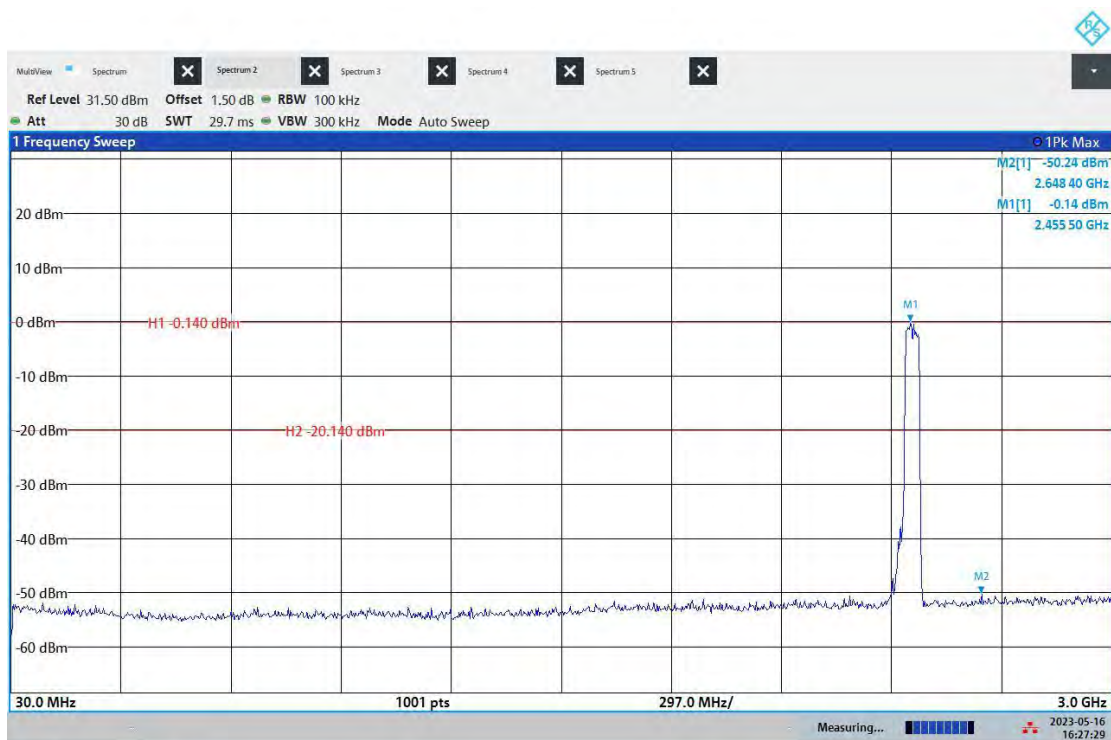
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



04:30:37 PM 05/16/2023

11N40_Ant0_2452_30~3000



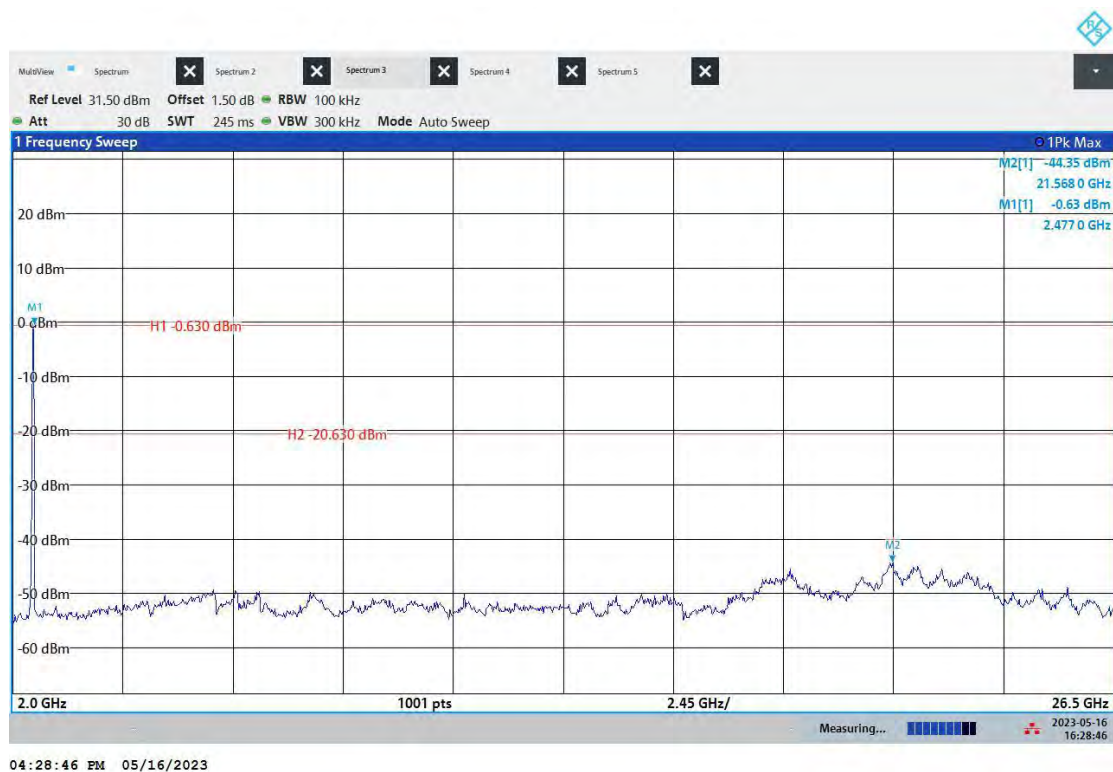
04:27:30 PM 05/16/2023

11N40_Ant0_2452_2000~26500



BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



DUTY CYCLE

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant0	2412	12.4725	12.6029	98.96
11G	Ant0	2412	2.0597	2.1015	97.93

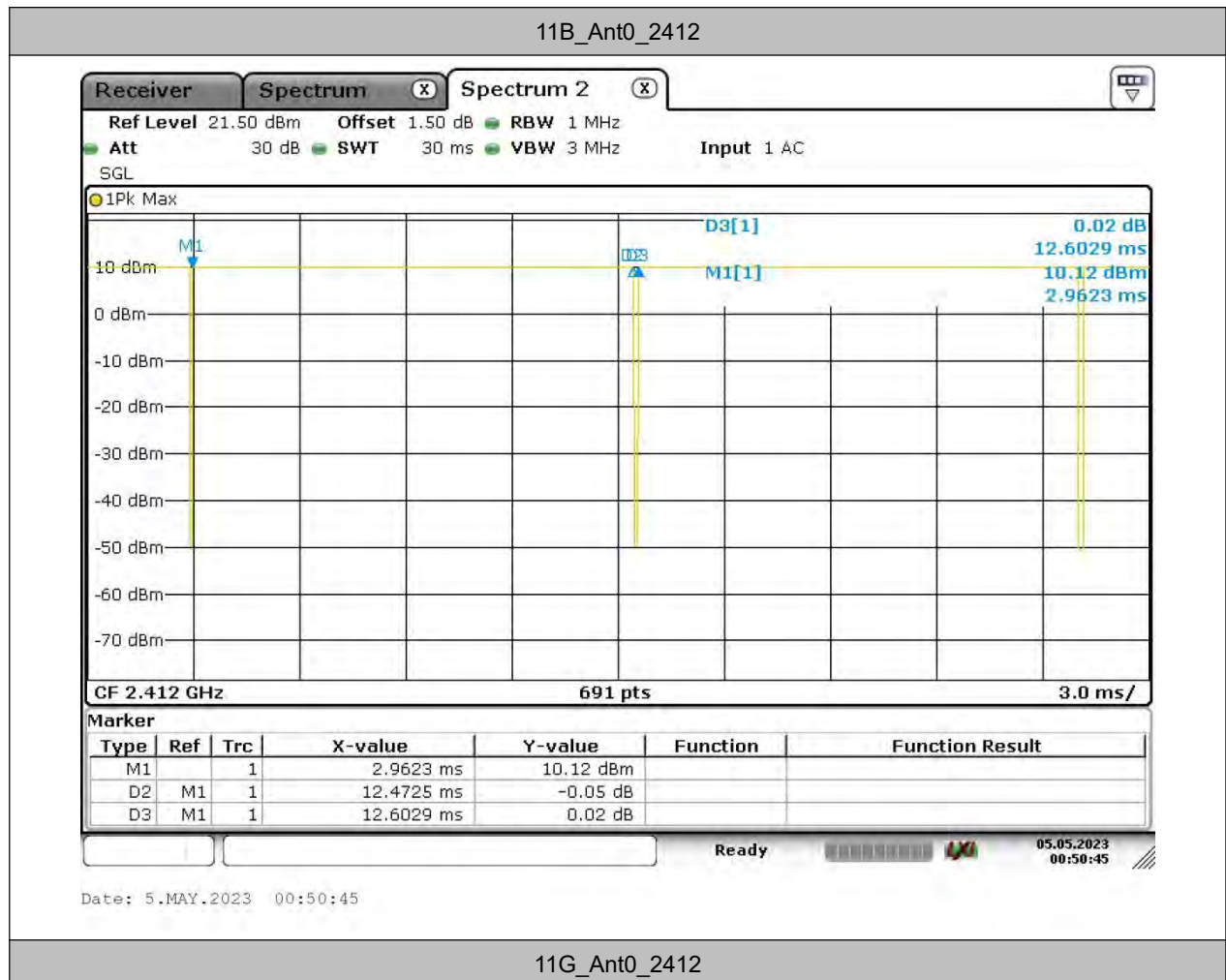


Test Report No.: PSZ-NQN2303280110RF04

11N20	Ant0	2412	1.9203	1.9638	97.79
11N40	Ant0	2422	0.9391	1.0044	93.51



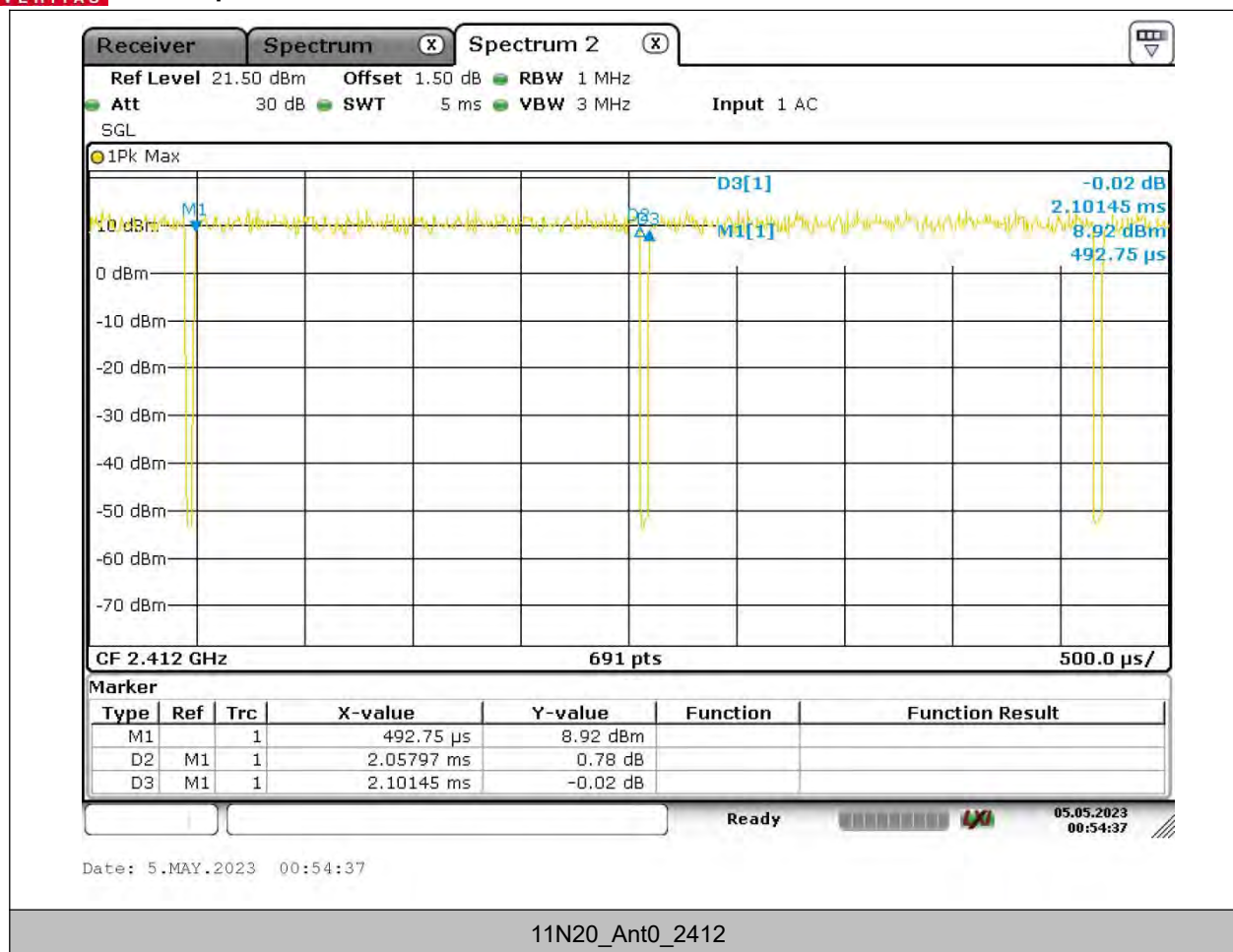
TEST GRAPHS





BUREAU
VERITAS

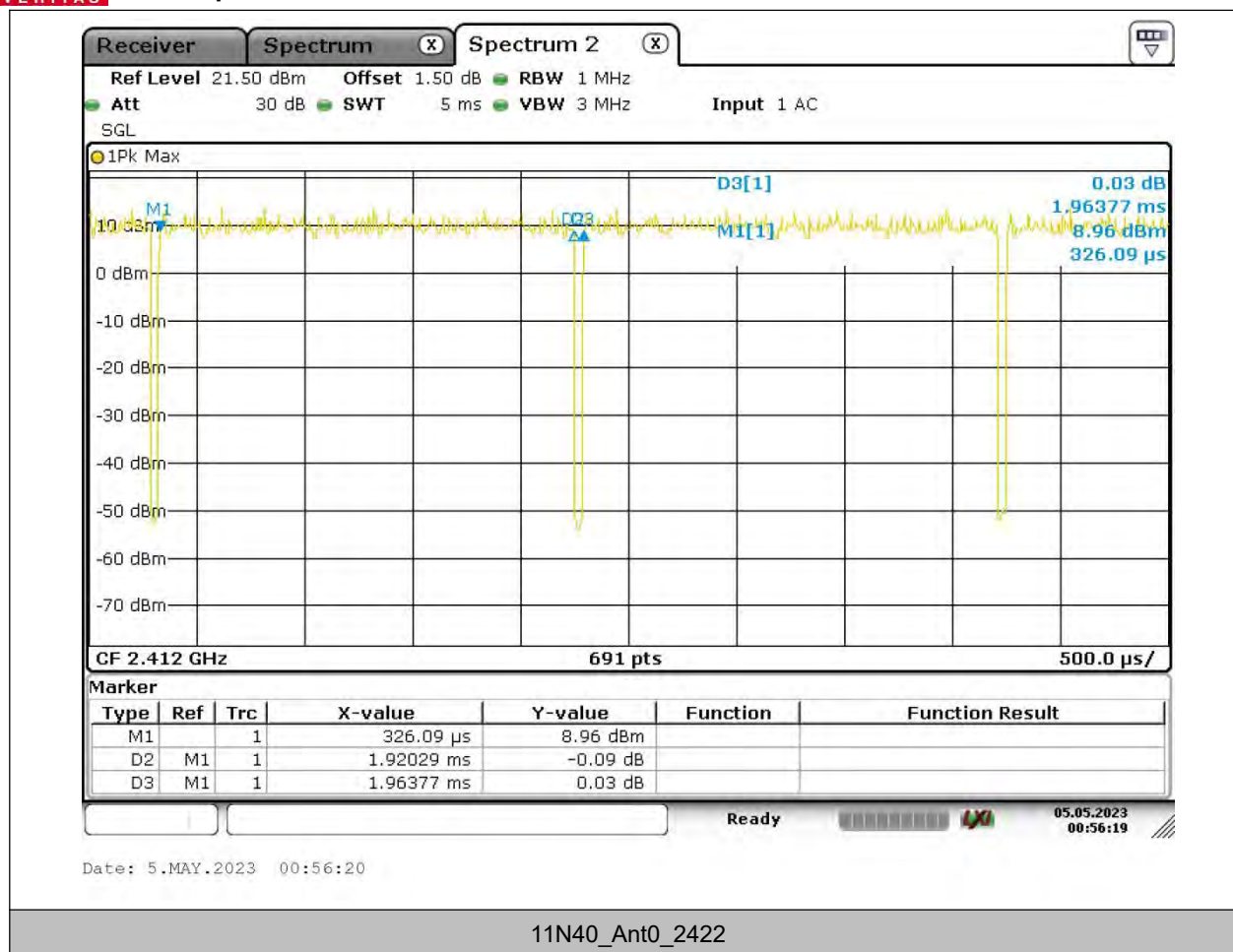
Test Report No.: PSZ-NQN2303280110RF04





BUREAU
VERITAS

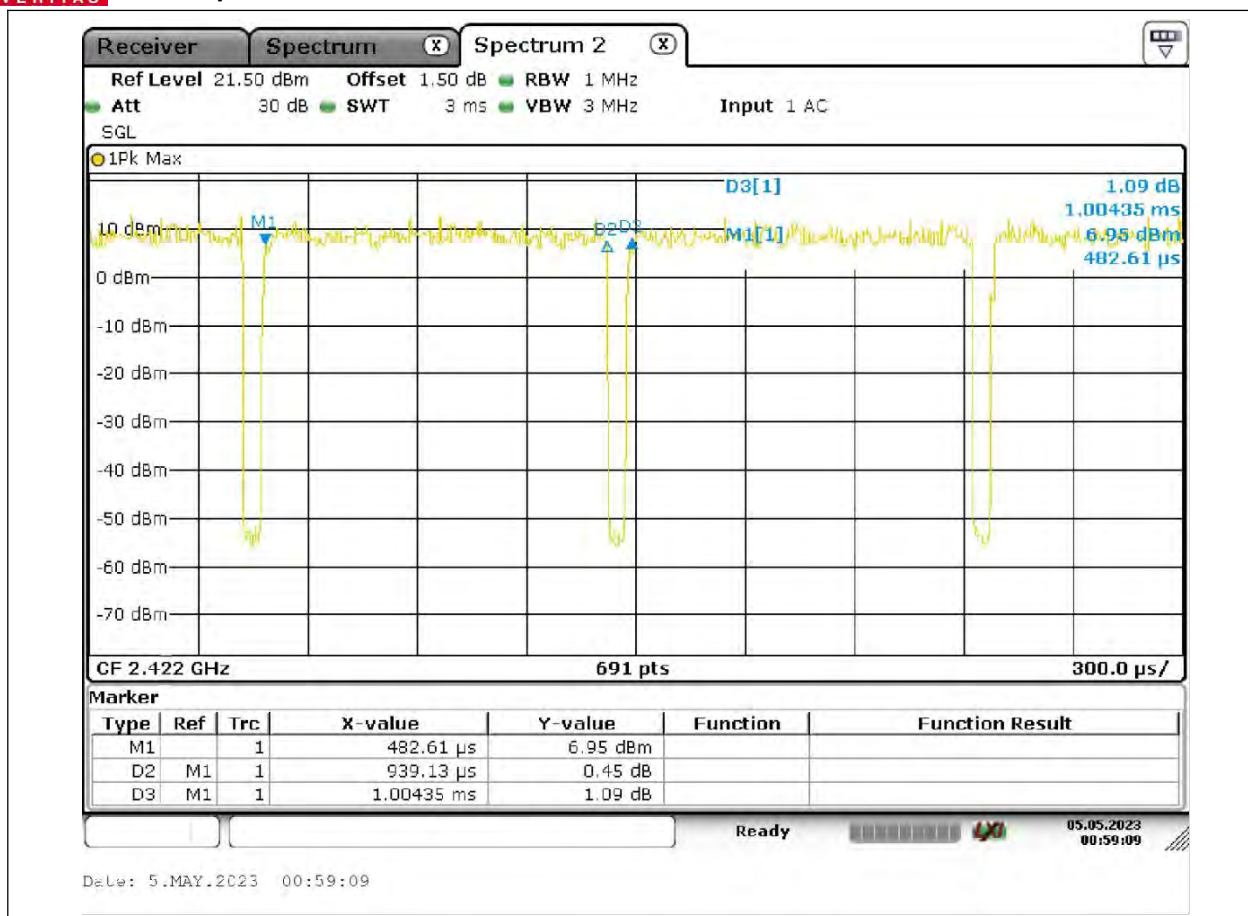
Test Report No.: PSZ-NQN2303280110RF04





BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



7 Appendix 2 BLE

DTS BANDWIDTH

TEST RESULT

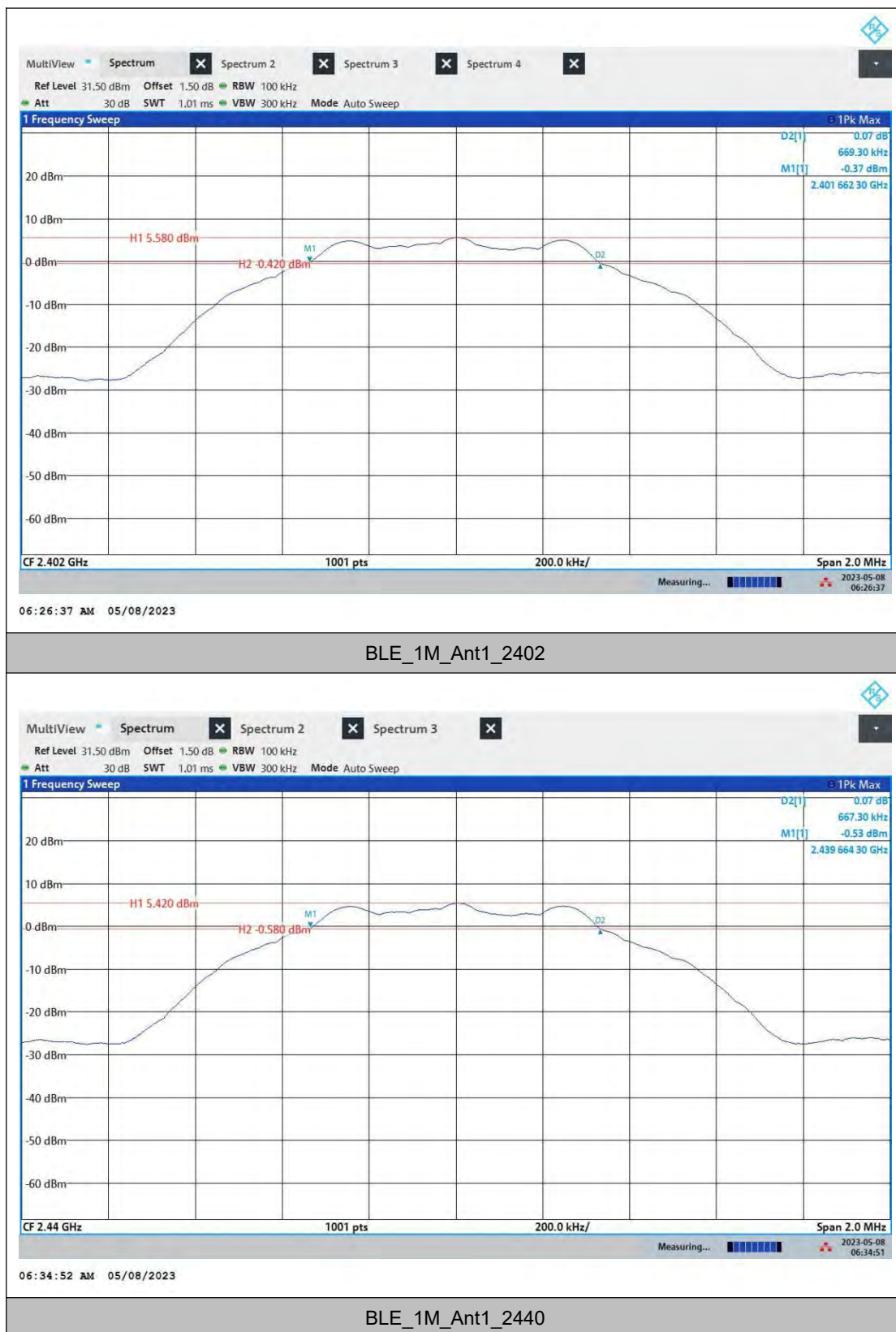
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.669	2401.662	2402.331	0.5	PASS
		2440	0.667	2439.664	2440.331	0.5	PASS
		2480	0.665	2479.664	2480.329	0.5	PASS



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VERITAS

Test Report No.: PSZ-NQN2303280110RF04

TEST GRAPHS





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Test Report No.: PSZ-NQN2303280110RF04





Test Report No.: PSZ-NQN2303280110RF04

OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0338	2401.494	2402.528	---	PASS
		2440	1.0347	2439.493	2440.529	---	PASS
		2480	1.0341	2479.493	2480.527	---	PASS



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VERITAS

Test Report No.: PSZ-NQN2303280110RF04

TEST GRAPHS





BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04





Test Report No.: PSZ-NQN2303280110RF04

MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT PEAK

TestMode	Antenna	Channel	Peak Power[dBm]	Peak Power[mw]	Conducted Limit[dBm]	Verdict	Power setting
1M	Ant1	2402	6.49	4.46	≤30	PASS	Default
		2440	6.34	4.31	≤30	PASS	Default
		2480	5.37	3.95	≤30	PASS	Default

TEST RESULT AVERAGE

TestMode	Antenna	Channel	Average Power	Conducted Limit[dBm]	Verdict	Power setting
1M	Ant1	2402	6.36	/	PASS	Default
		2440	6.29	/	PASS	Default
		2480	5.21	/	PASS	Default



Test Report No.: PSZ-NQN2303280110RF04

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

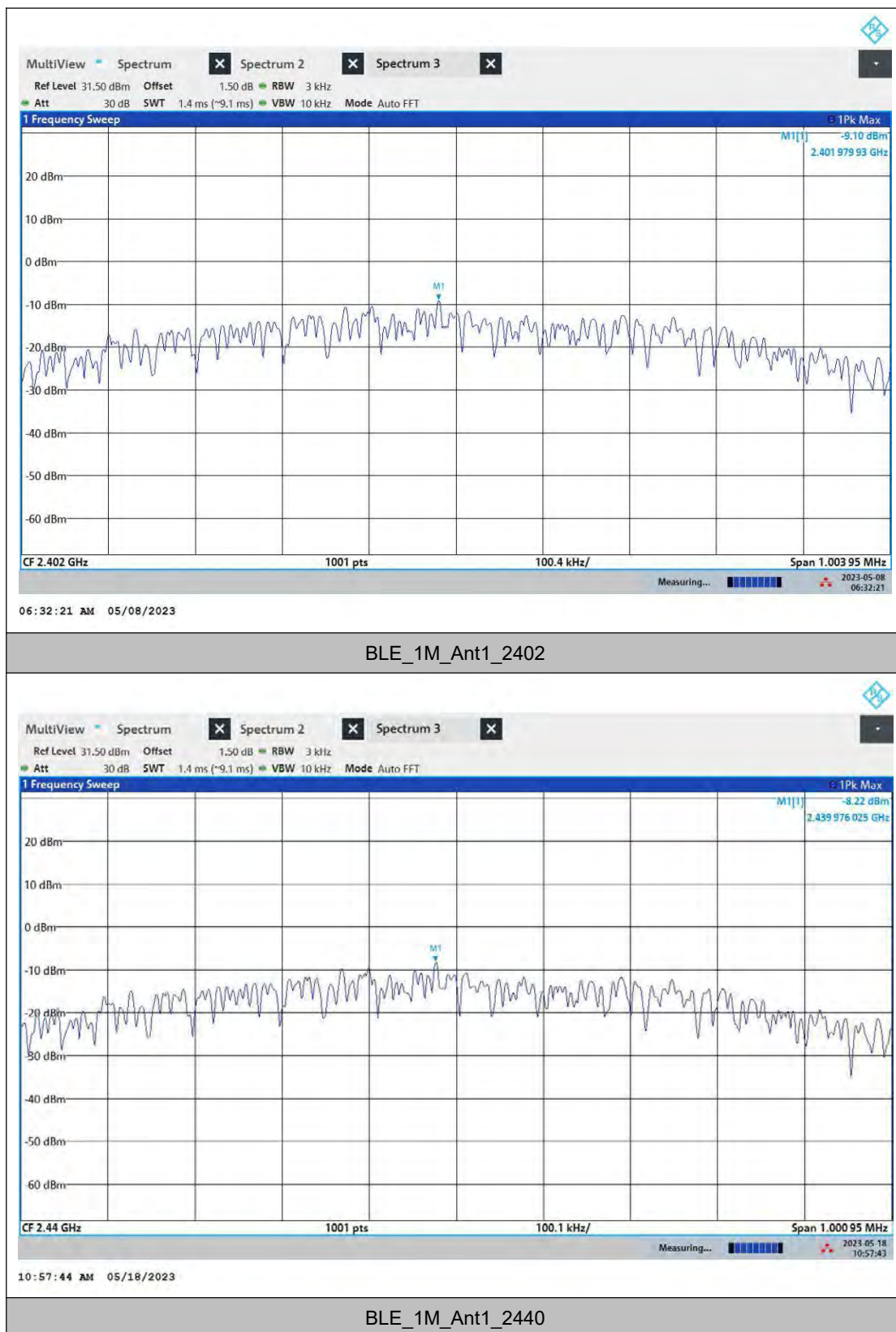
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.10	≤8	PASS
		2440	-8.22	≤8	PASS
		2480	-9.48	≤8	PASS



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VERITAS

Test Report No.: PSZ-NQN2303280110RF04

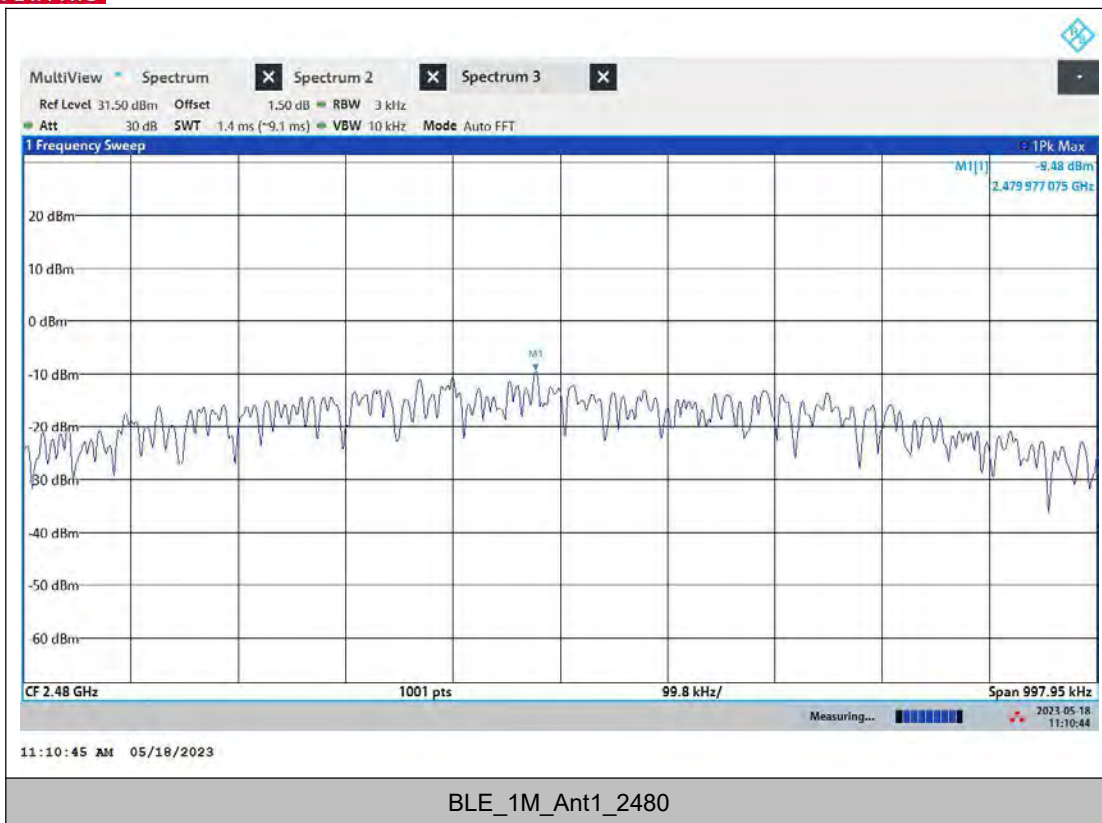
TEST GRAPHS





BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04





Test Report No.: PSZ-NQN2303280110RF04

BAND EDGE MEASUREMENTS

TEST RESULT

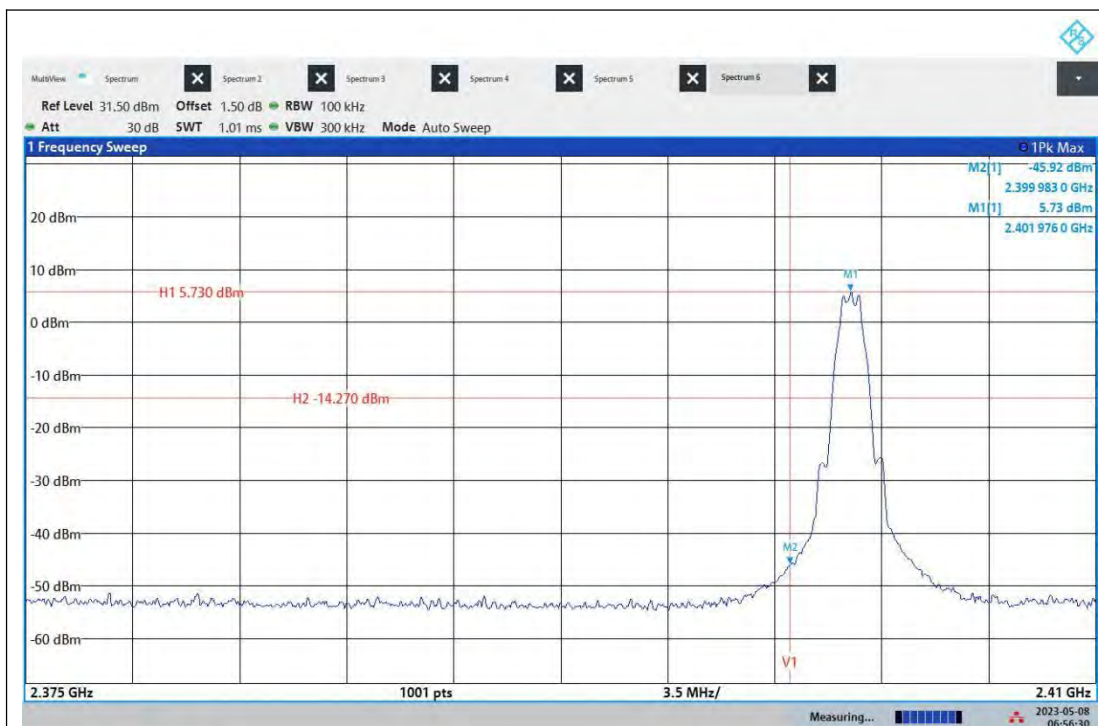
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.73	-45.92	≤ -14.27	PASS
		High	2480	4.62	-52.30	≤ -15.38	PASS



BUREAU
VERITAS

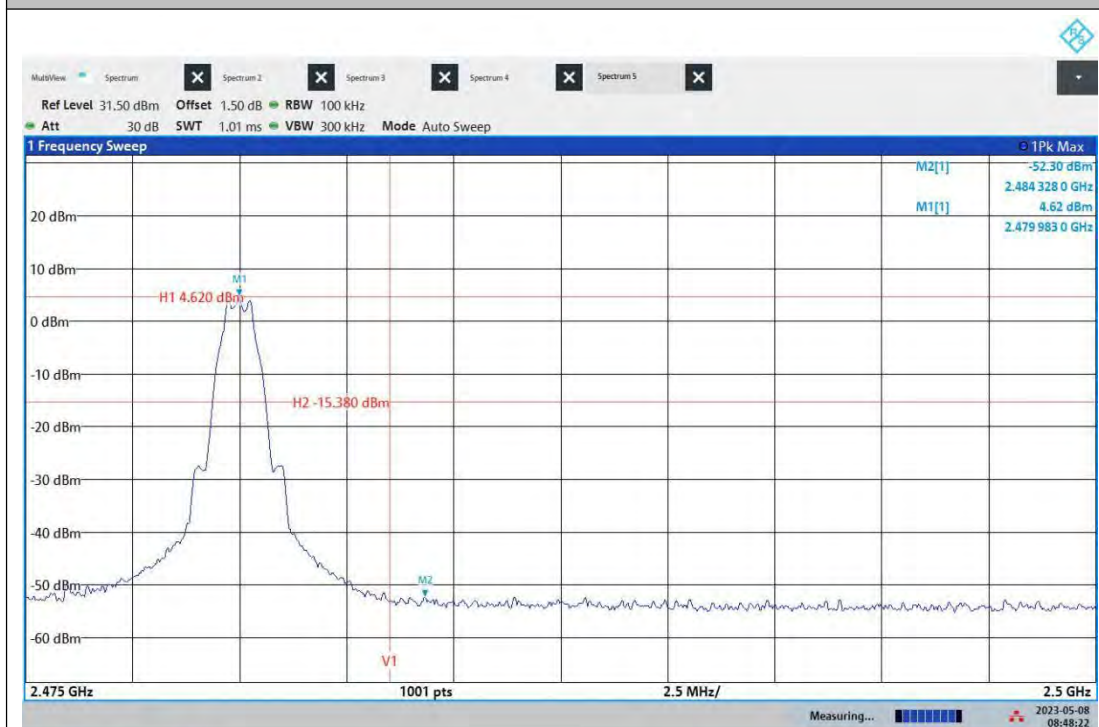
Test Report No.: PSZ-NQN2303280110RF04

TEST GRAPHS



06:56:30 AM 05/08/2023

BLE_1M_Ant1_Low_2402



08:48:22 AM 05/08/2023

BLE_1M_Ant1_High_2480



CONDUCTED SPURIOUS EMISSION

TEST RESULT

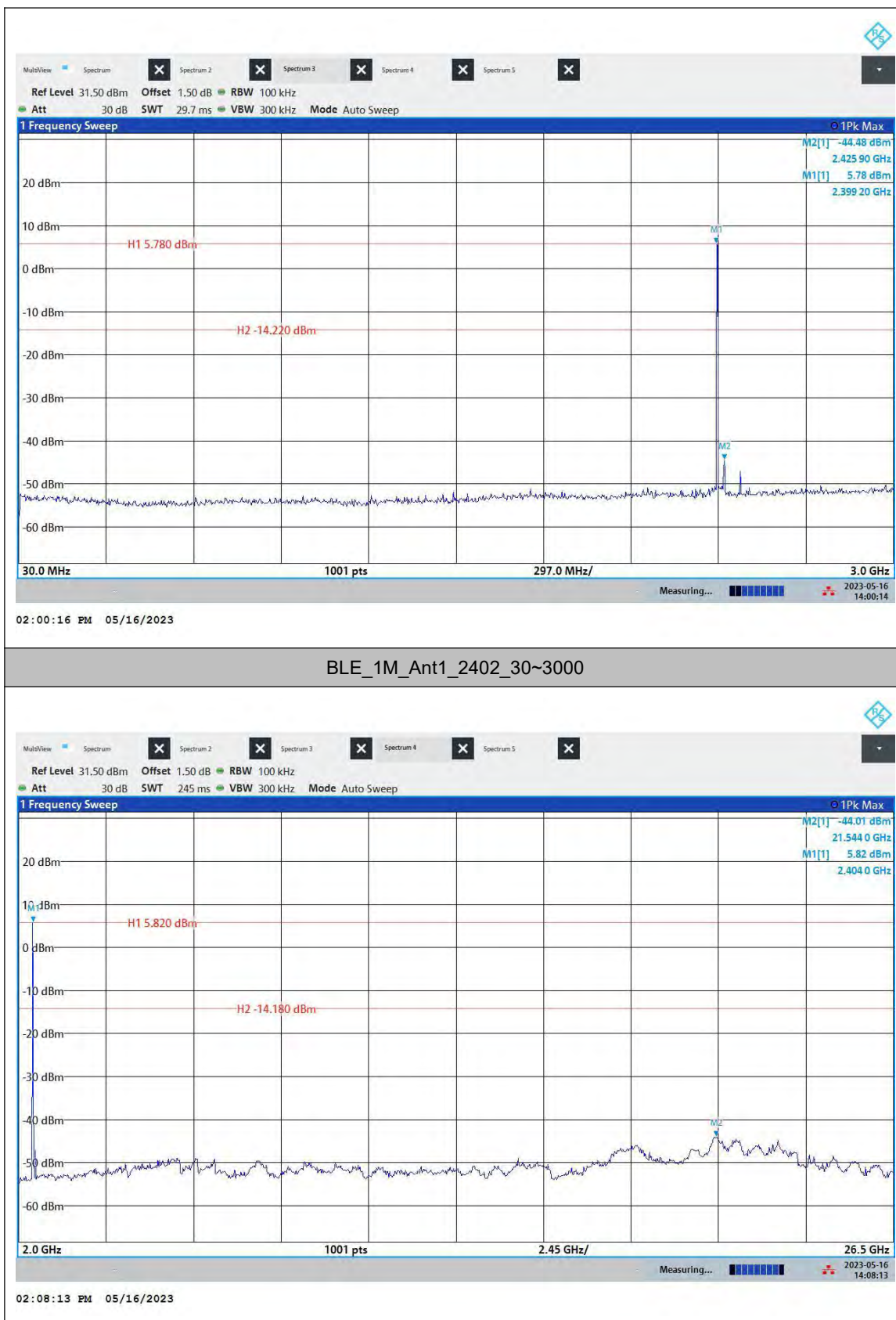
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~3000	5.78	-44.48	≤-14.22	PASS
			2000~26500	5.82	-44.01	≤-14.18	PASS
		2440	30~3000	5.28	-48.70	≤-14.72	PASS
			2000~26500	5.54	-44.61	≤-14.46	PASS
		2480	30~3000	4.48	-42.66	≤-15.52	PASS
			2000~26500	4.46	-44.47	≤-15.54	PASS



BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04

TEST GRAPHS

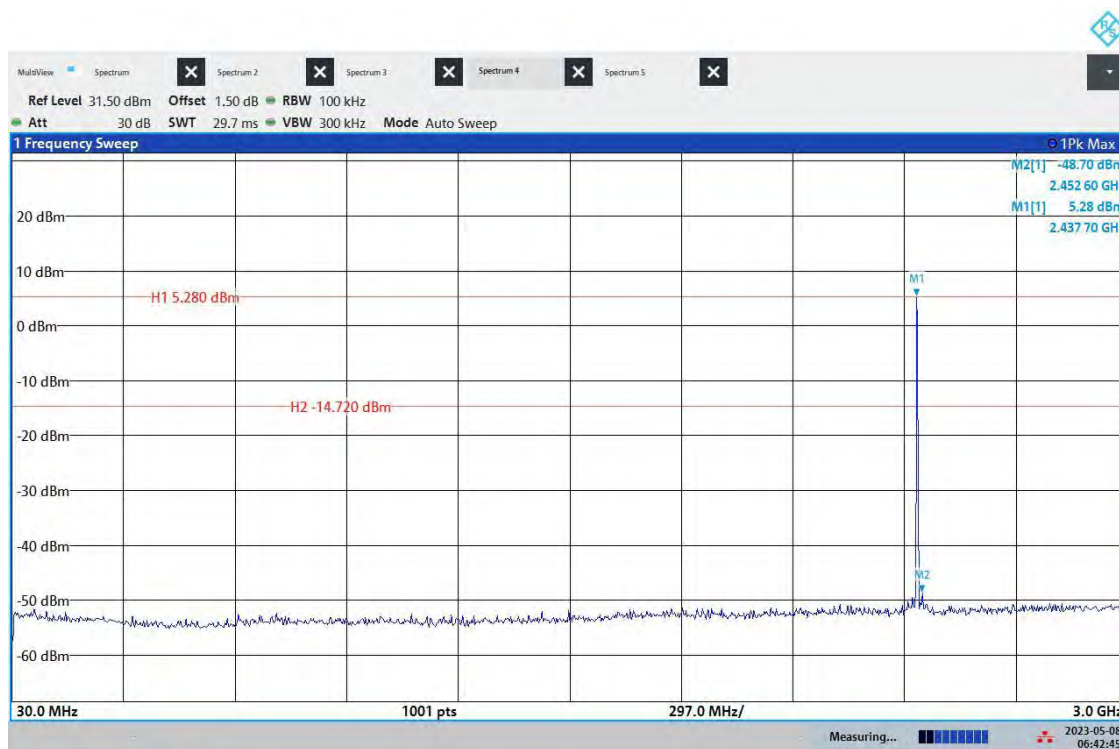




BUREAU
VERITAS

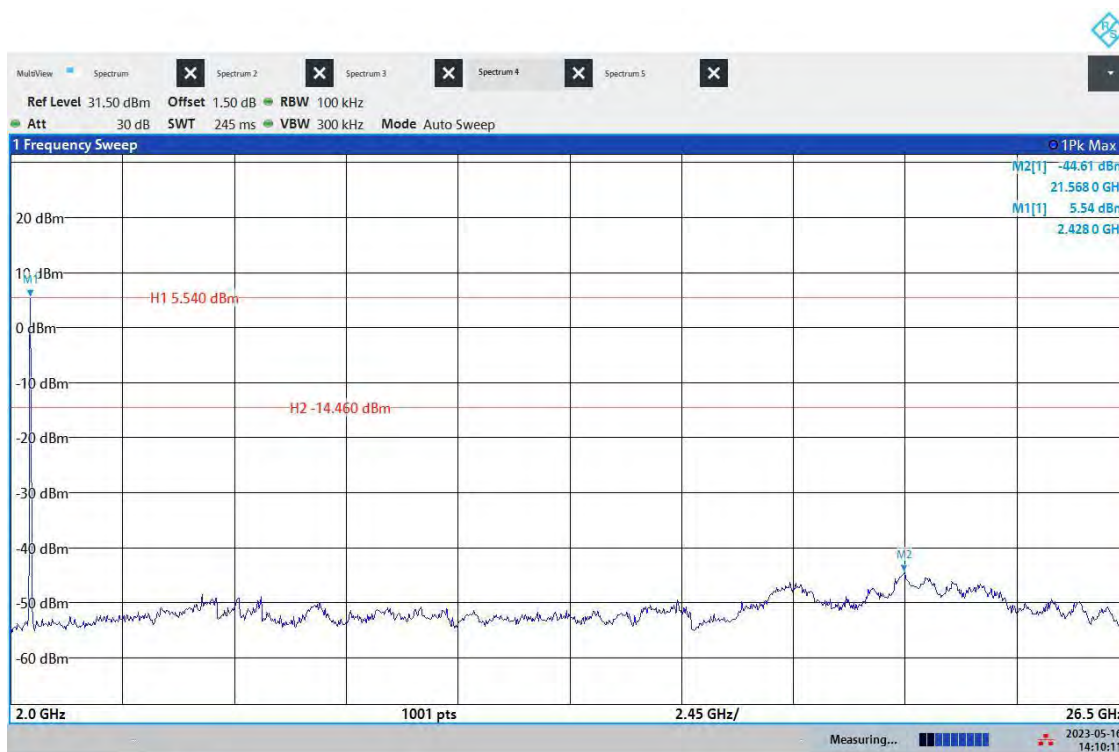
Test Report No.: PSZ-NQN2303280110RF04

BLE_1M_Ant1_2402_2000~26500



06:42:46 AM 05/08/2023

BLE_1M_Ant1_2440_30~3000



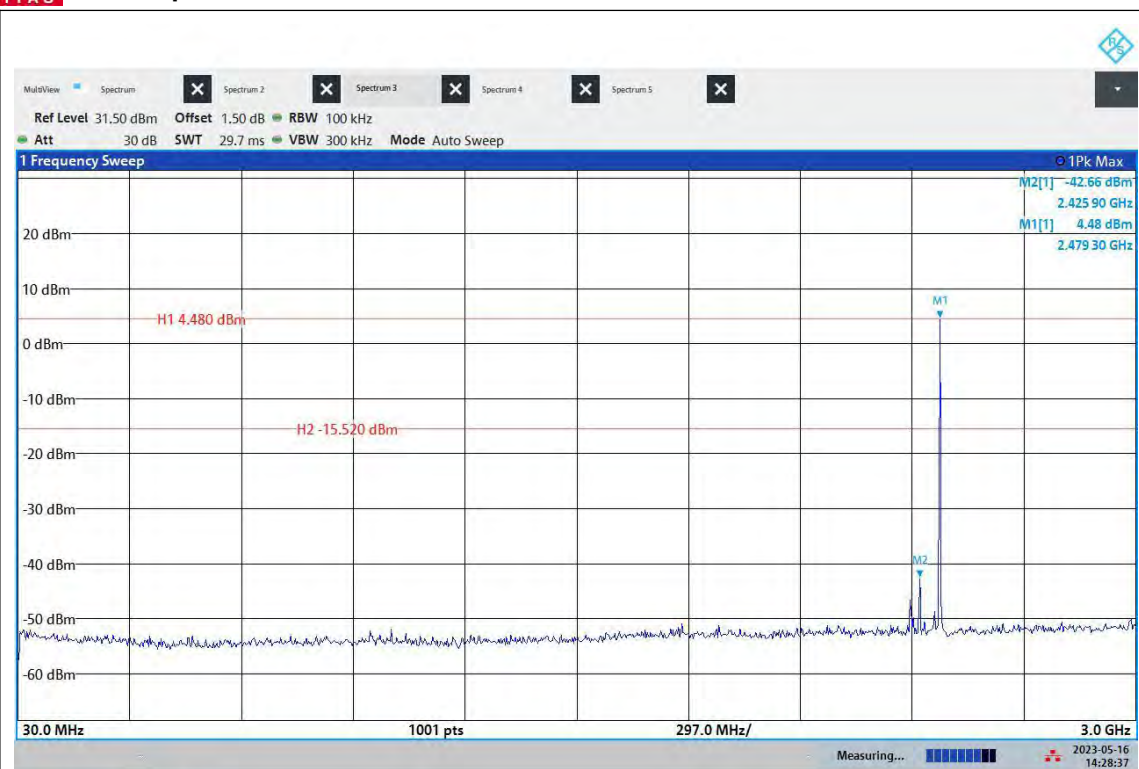
02:10:11 PM 05/16/2023

BLE_1M_Ant1_2440_2000~26500



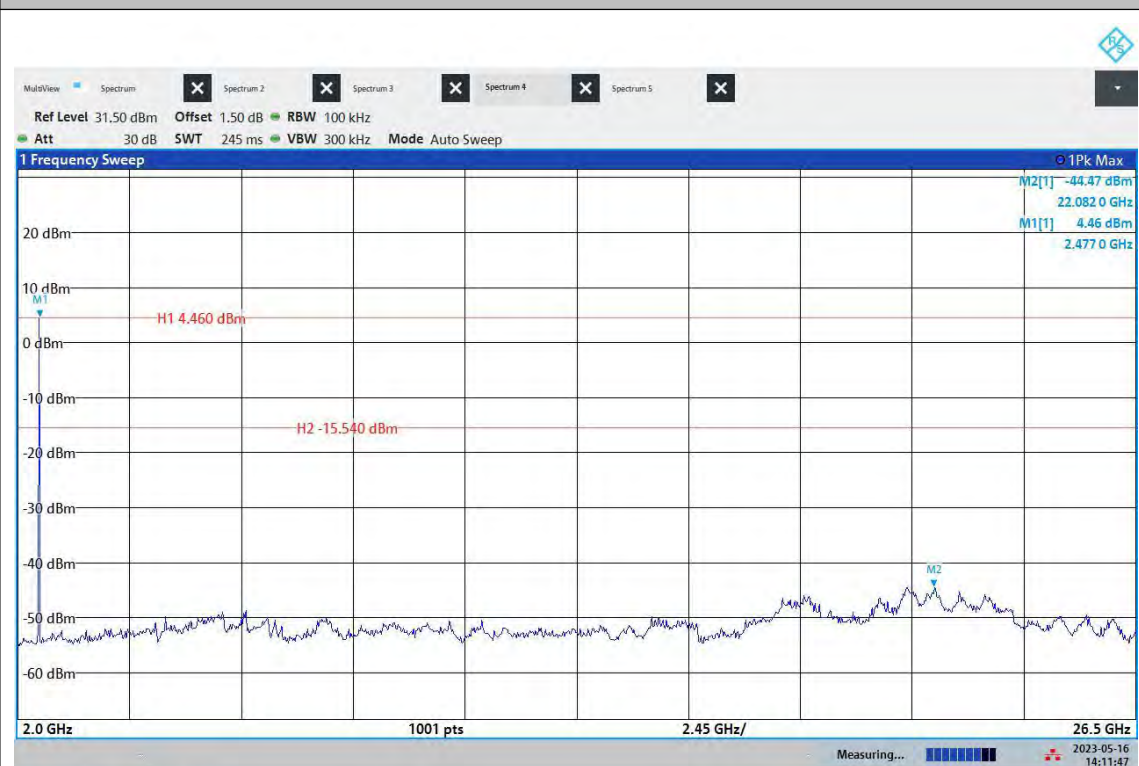
BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04



02:28:38 PM 05/16/2023

BLE_1M_Ant1_2480_30~3000



02:11:47 PM 05/16/2023

BLE_1M_Ant1_2480_2000~26500



Test Report No.: PSZ-NQN2303280110RF04

DUTY CYCLE

TEST RESULT

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2440	0.391	0.626	0.625 0	62.5 0	2.04	---	PASS



BUREAU
VERITAS

Test Report No.: PSZ-NQN2303280110RF04

TEST GRAPHS

