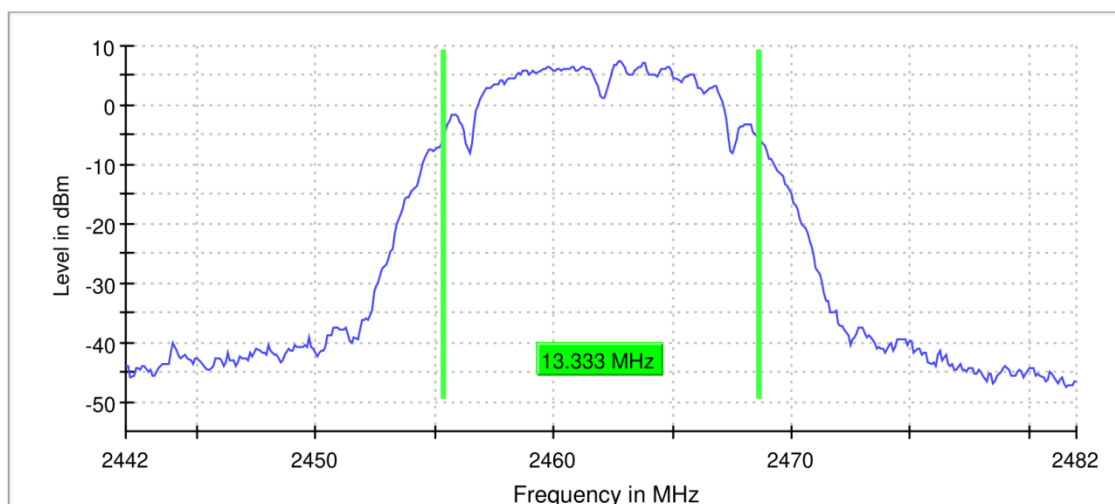


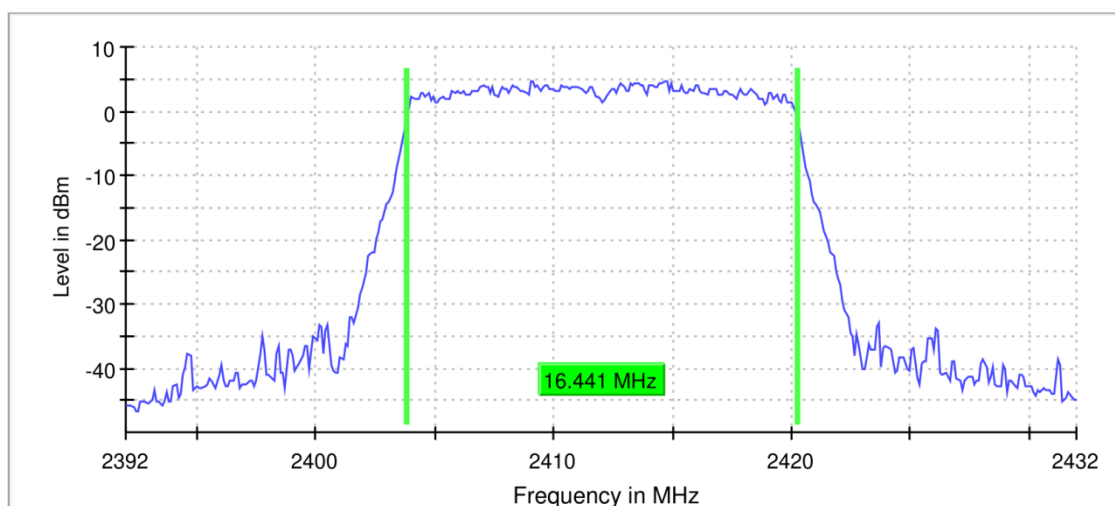


99 % Bandwidth



11G_ANT1_2412

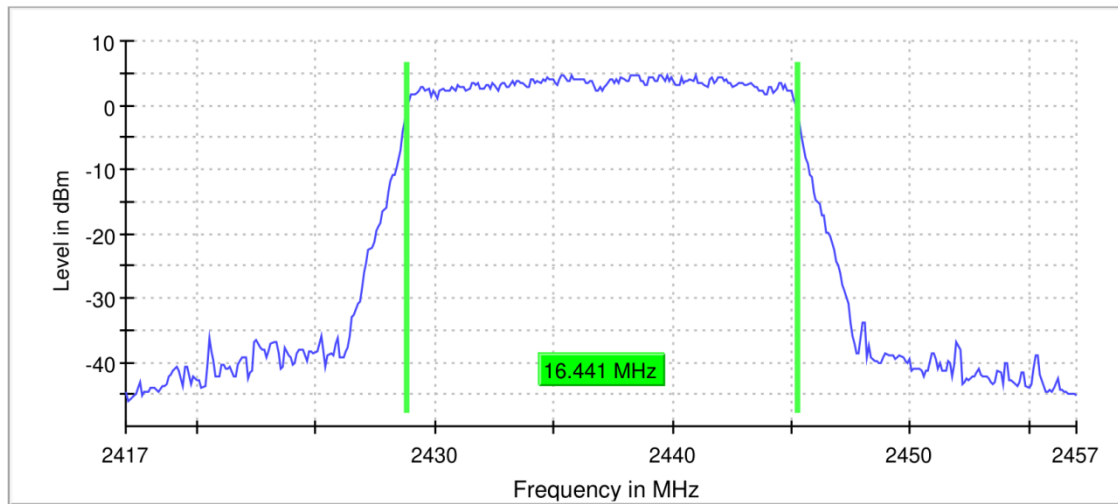
99 % Bandwidth



11G_ANT1_2437

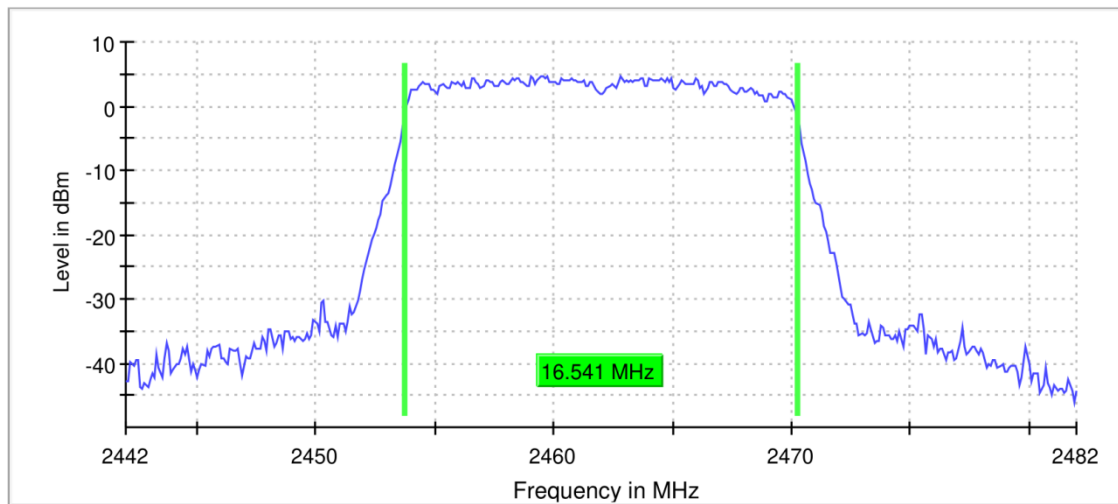


99 % Bandwidth



11G_ANT1_2462

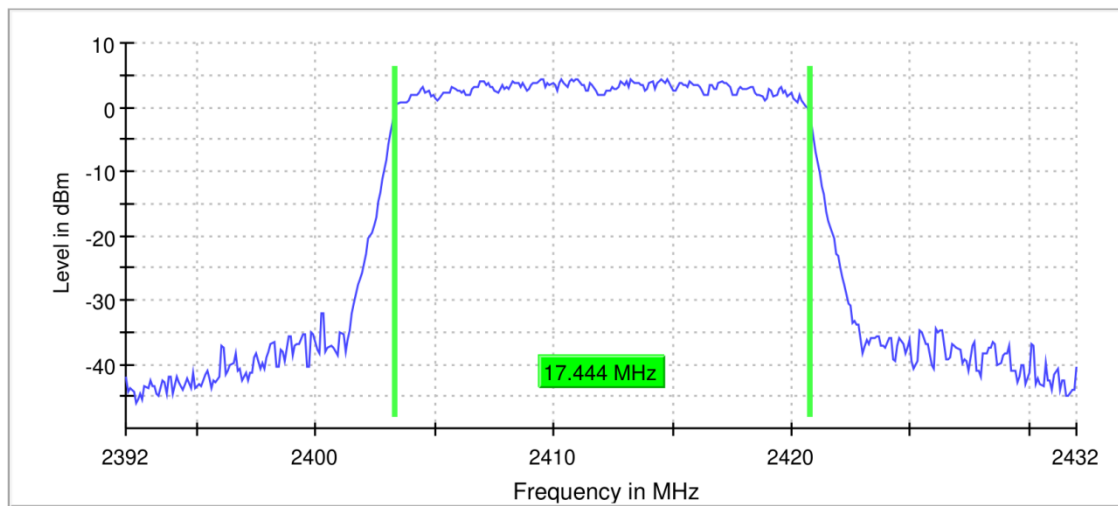
99 % Bandwidth



11N20_ANT1_2412

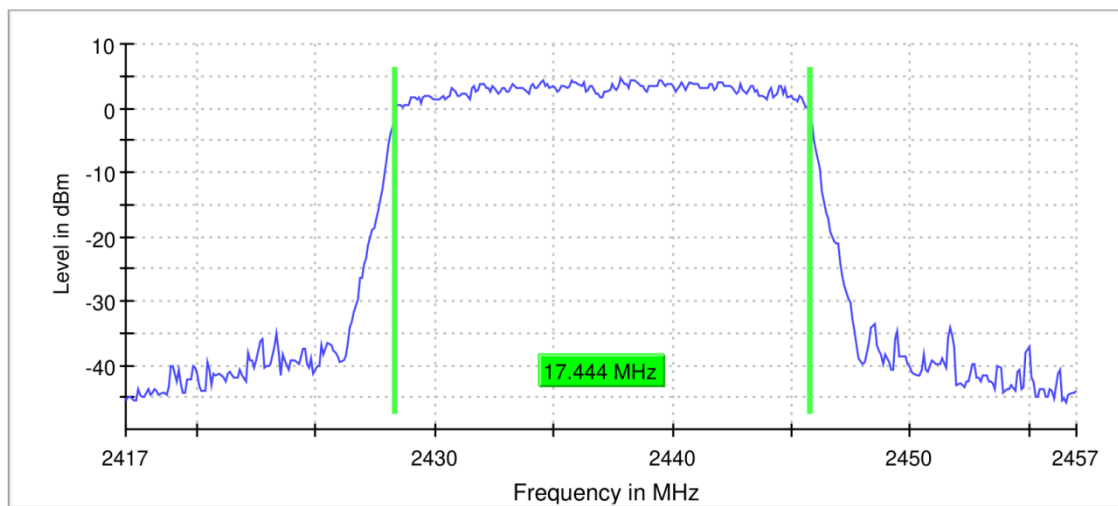


99 % Bandwidth



11N20_ANT1_2437

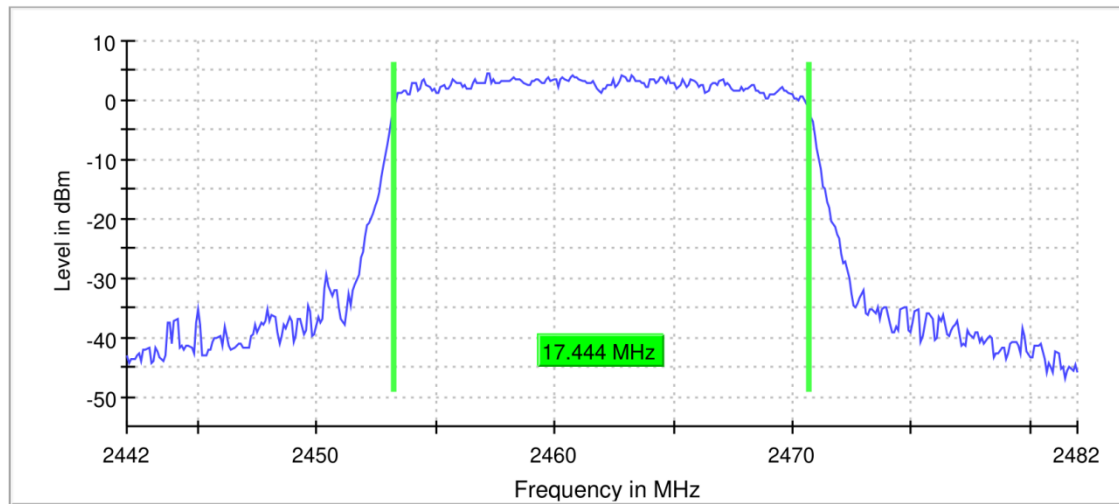
99 % Bandwidth



11N20_ANT1_2462



99 % Bandwidth



20M

RBW 200.000 kHz

VBW 1.000 MHz

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

TestMode	TX Mod.	Frequency [MHz]	Peak power [dBm]	MAX Peak power [mw]	Limit [dBm]	Verdict	Power Setting
			Ant1				
11B	SISO	2412	19.37	86.50	≤30.00	PASS	6
		2437	19.36	86.30	≤30.00	PASS	6
		2462	19.06	80.54	≤30.00	PASS	6
11g	SISO	2412	26.61	458.14	≤30.00	PASS	6
		2437	26.41	437.52	≤30.00	PASS	6
		2462	25.77	377.57	≤30.00	PASS	6
11N20	SISO	2412	26.05	402.72	≤30.00	PASS	6
		2437	26.62	459.20	≤30.00	PASS	6
		2462	26.14	411.15	≤30.00	PASS	6

TestMode	TX Mod.	Freq. [MHz]	Avg.power [dBm]	Power Setting
			Ant1	
11B	SISO	2412	16.16	6
		2437	16.20	6
		2462	15.84	6
11g	SISO	2412	15.40	6
		2437	15.32	6
		2462	15.14	6
11N20	SISO	2412	15.12	6
		2437	15.15	6
		2462	15.06	6



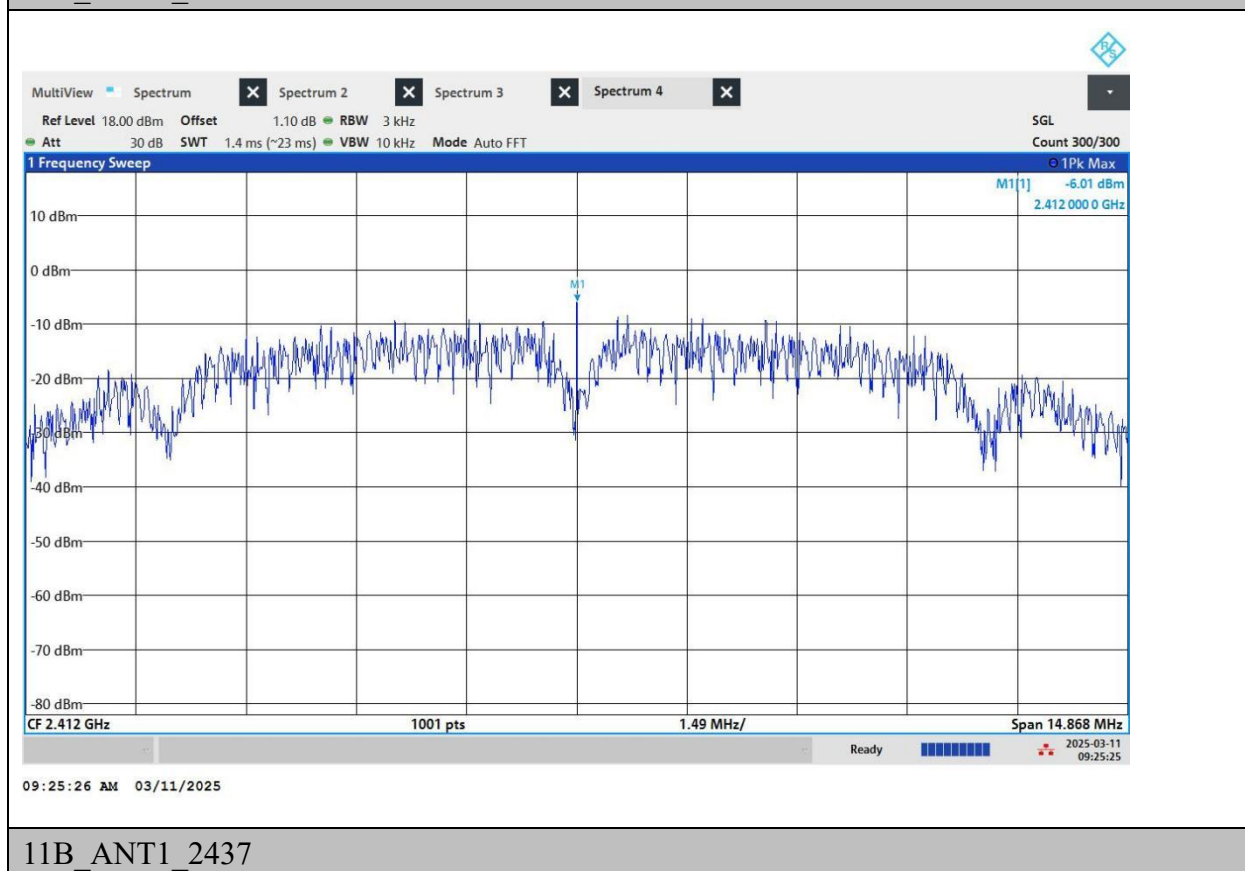
MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

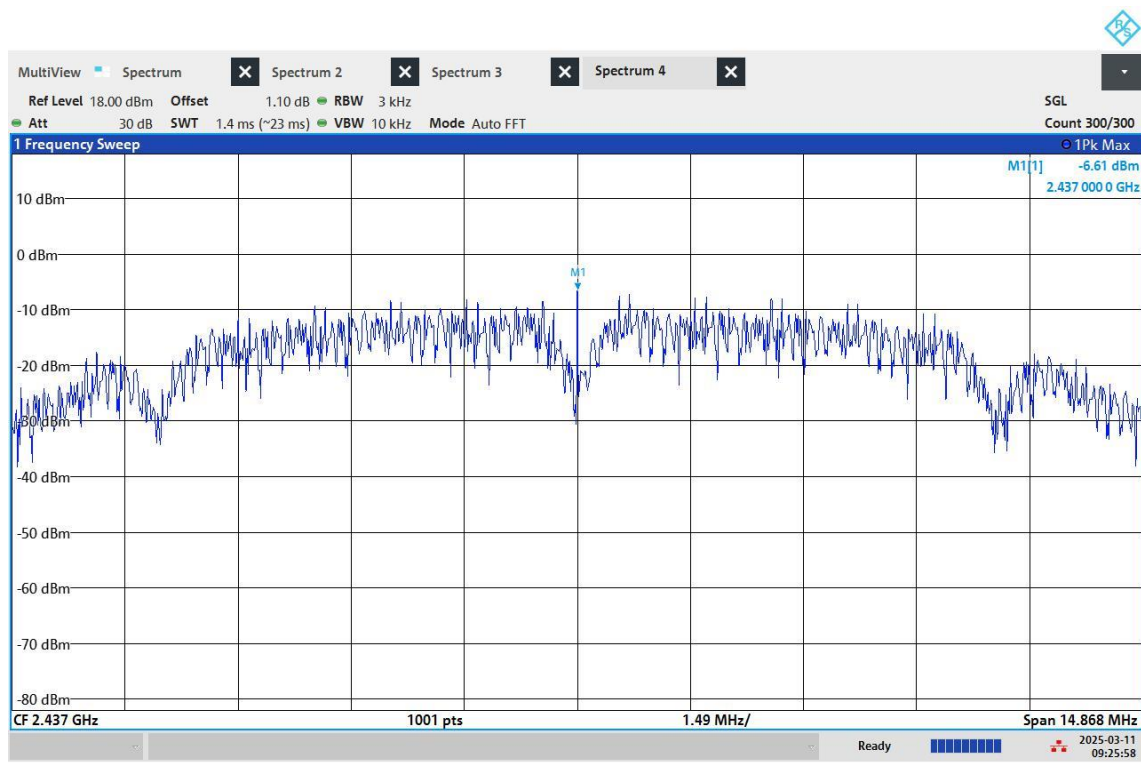
TestMode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	ANT1	2412	-6.01	≤8.00	PASS
	ANT1	2437	-6.61	≤8.00	PASS
	ANT1	2462	-7.11	≤8.00	PASS
11G	ANT1	2412	-7.25	≤8.00	PASS
	ANT1	2437	-6.85	≤8.00	PASS
	ANT1	2462	-7.40	≤8.00	PASS
11N20	ANT1	2412	-5.70	≤8.00	PASS
	ANT1	2437	-4.94	≤8.00	PASS
	ANT1	2462	-5.62	≤8.00	PASS

TEST GRAPHS

11B_ANT1_2412

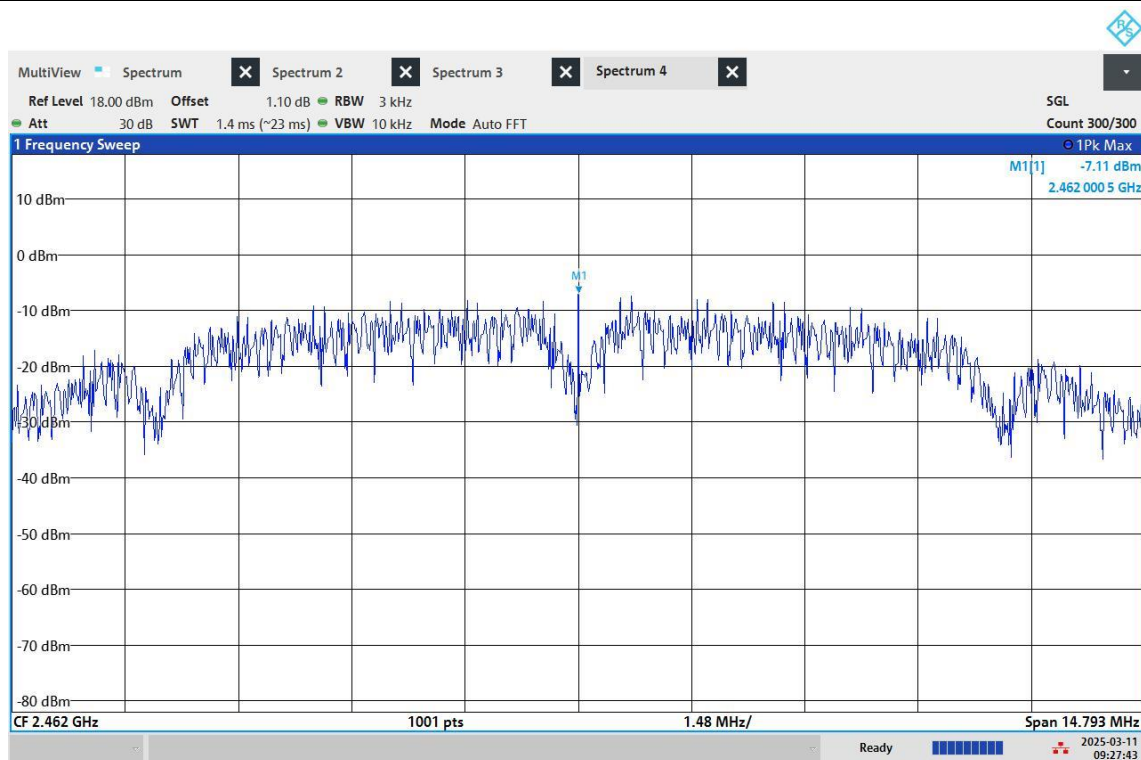


11B_ANT1_2437



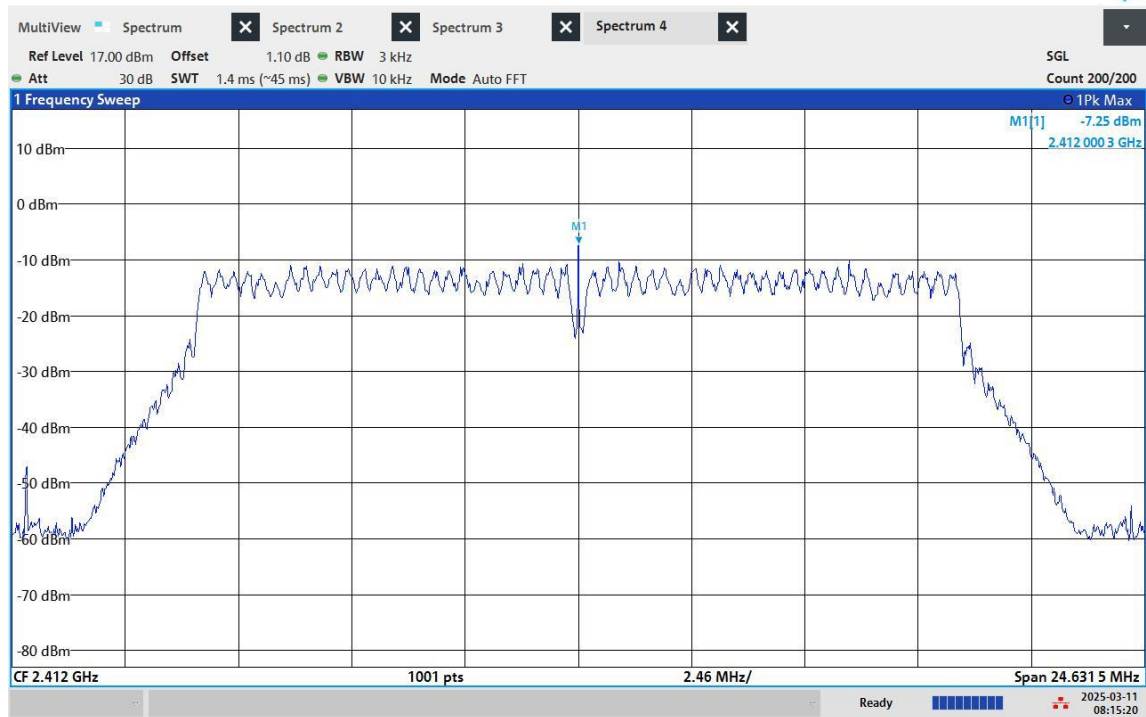
09:25:58 AM 03/11/2025

11B_ANT1_2462



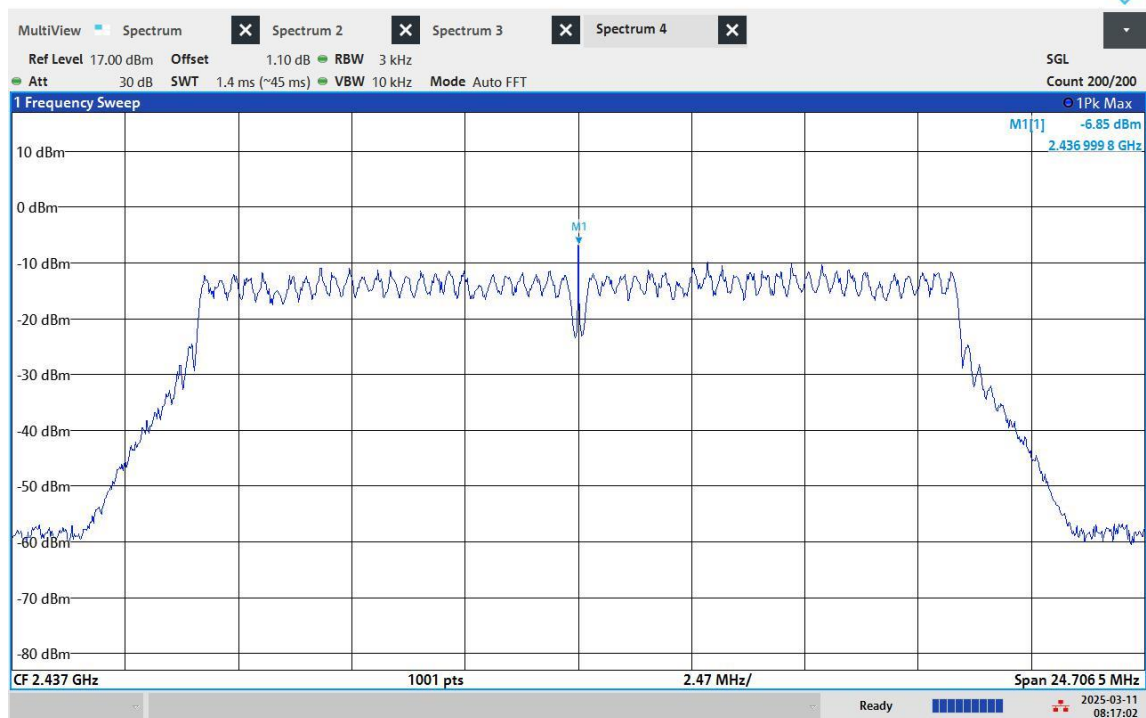
09:27:43 AM 03/11/2025

11G_ANT1_2412



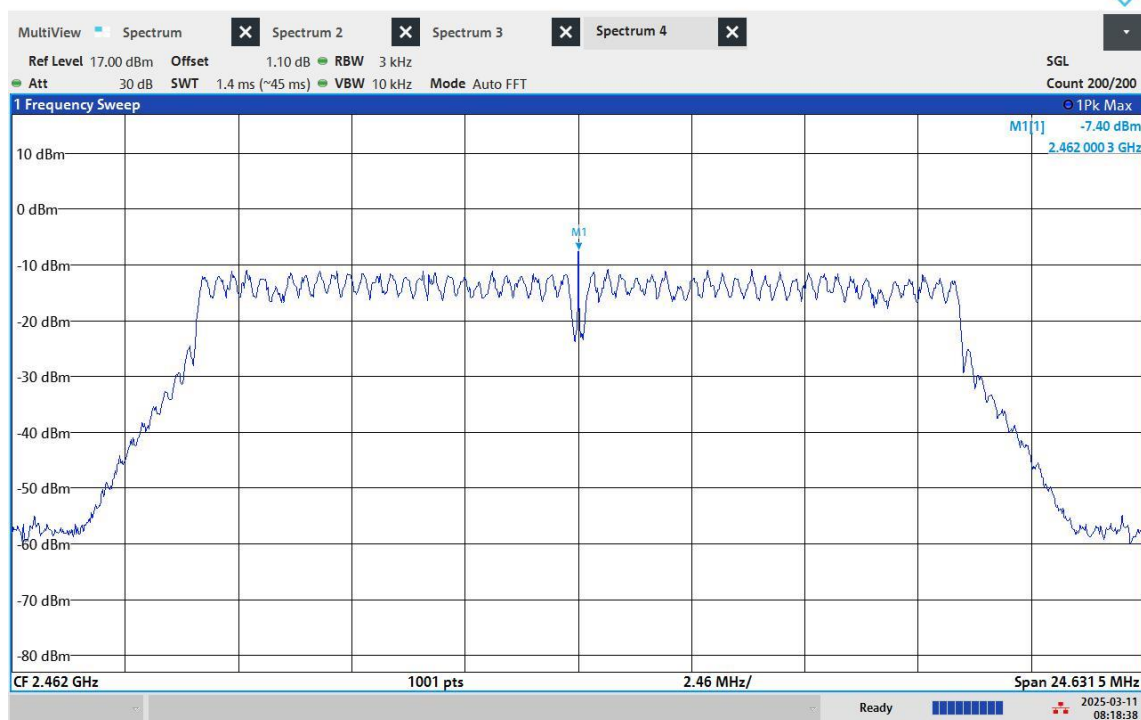
08:15:21 AM 03/11/2025

11G_ANT1_2437



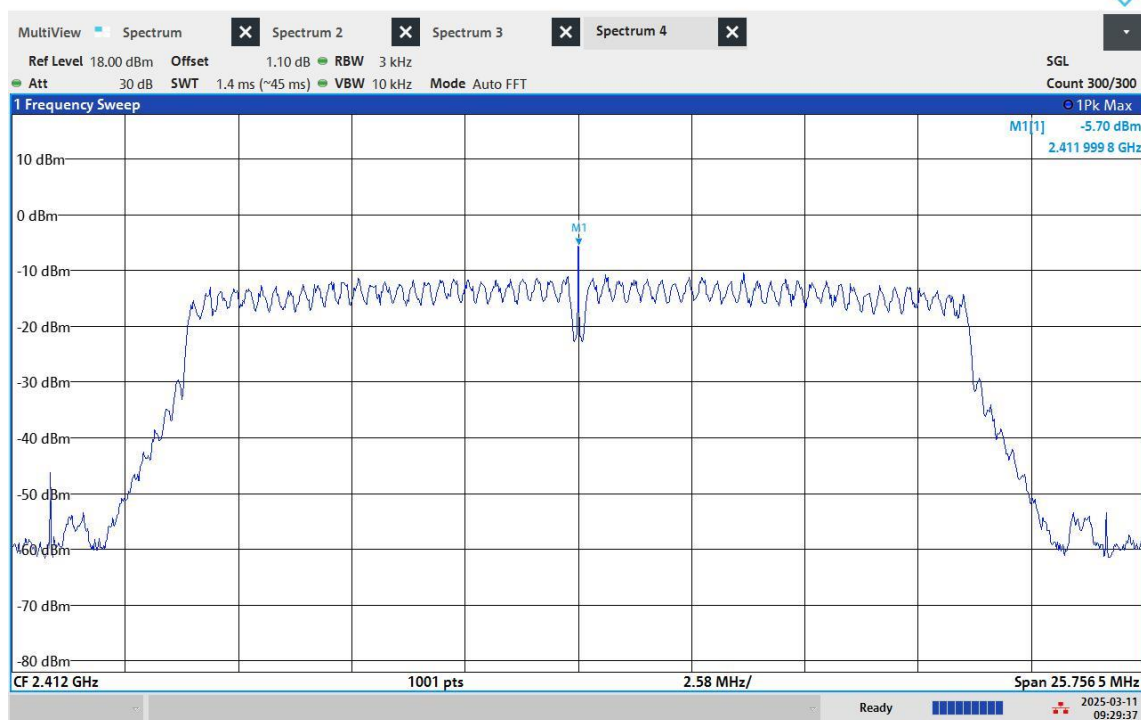
08:17:03 AM 03/11/2025

11G_ANT1_2462



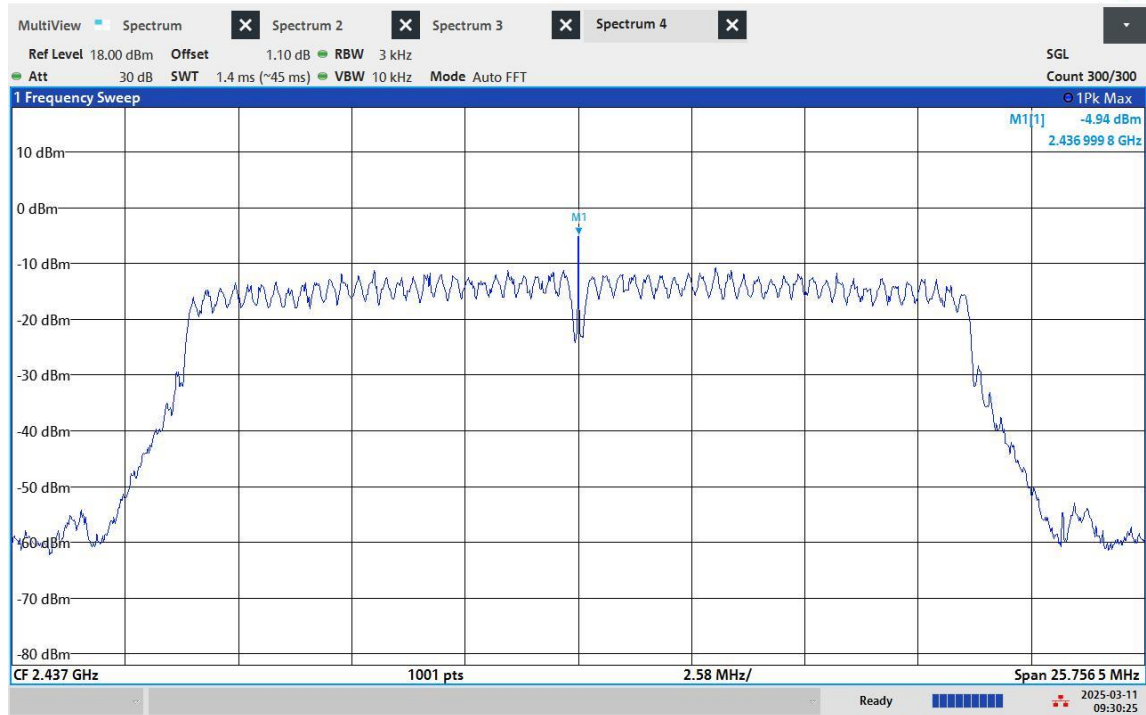
08:18:39 AM 03/11/2025

11N20_ANT1_2412



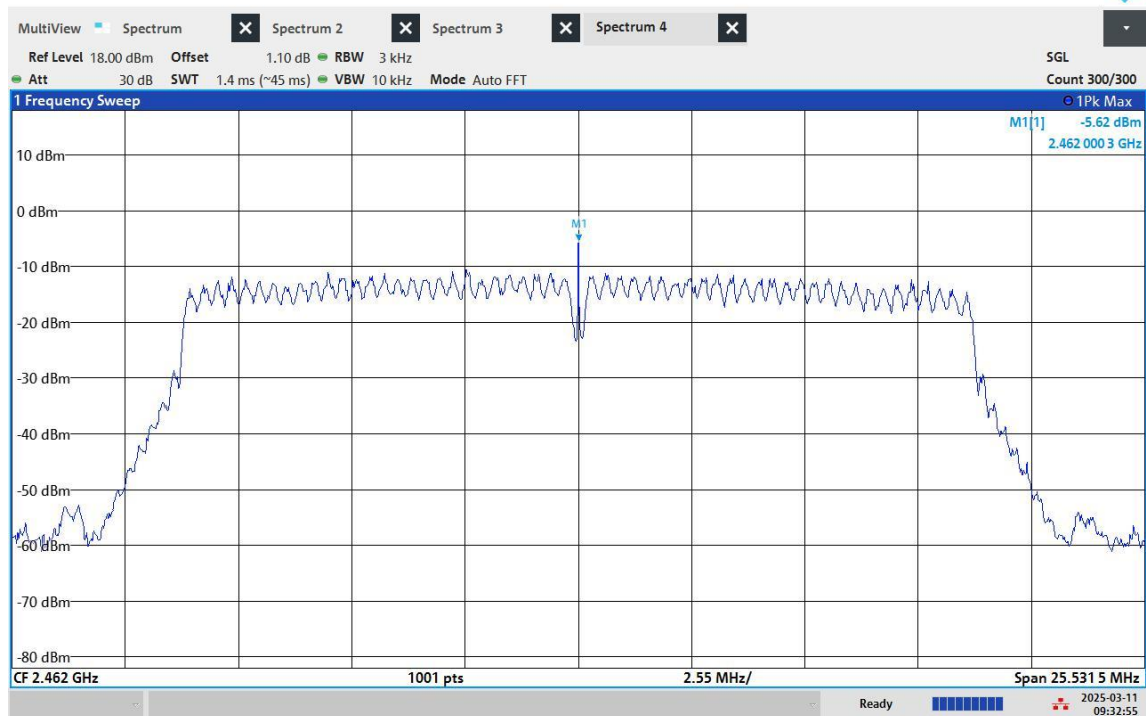
09:29:38 AM 03/11/2025

11N20_ANT1_2437



09:30:26 AM 03/11/2025

11N20_ANT1_2462



09:32:55 AM 03/11/2025

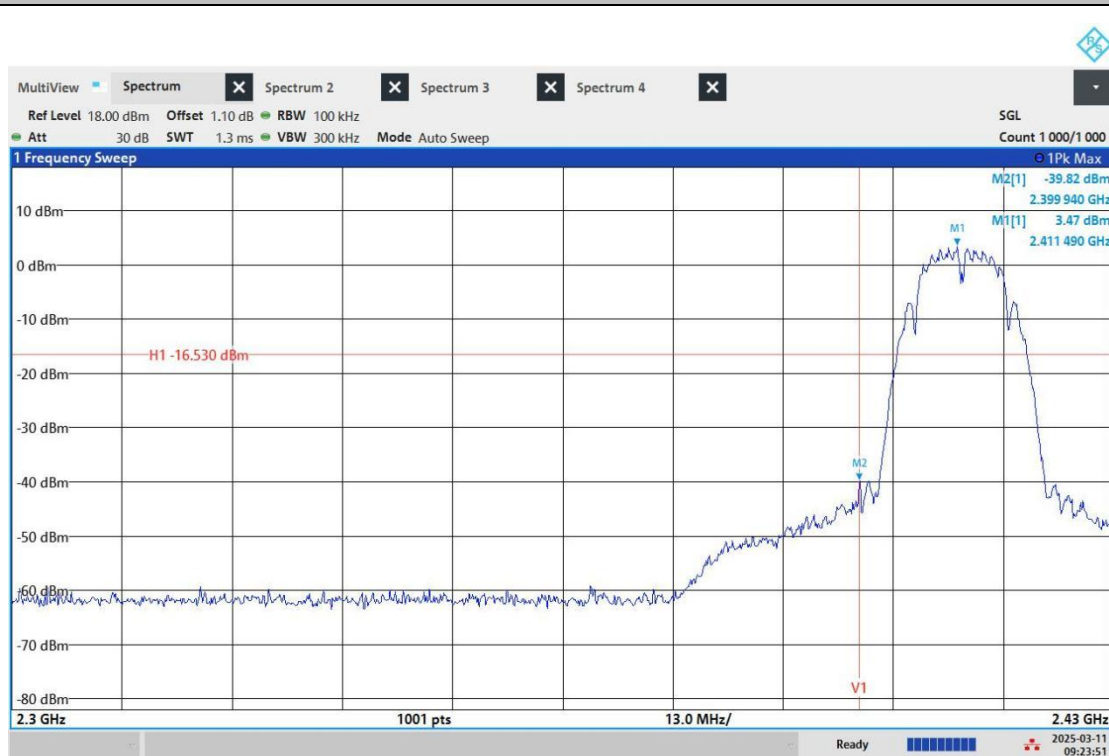
**BAND EDGE MEASUREMENTS****TEST RESULT**

TestMode	Antenna	ChName	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	ANT1	Low	2412	See test graph	See test graph	PASS
	ANT1	High	2462	See test graph	See test graph	PASS
11G	ANT1	Low	2412	See test graph	See test graph	PASS
	ANT1	High	2462	See test graph	See test graph	PASS
11N20	ANT1	Low	2412	See test graph	See test graph	PASS
	ANT1	High	2462	See test graph	See test graph	PASS



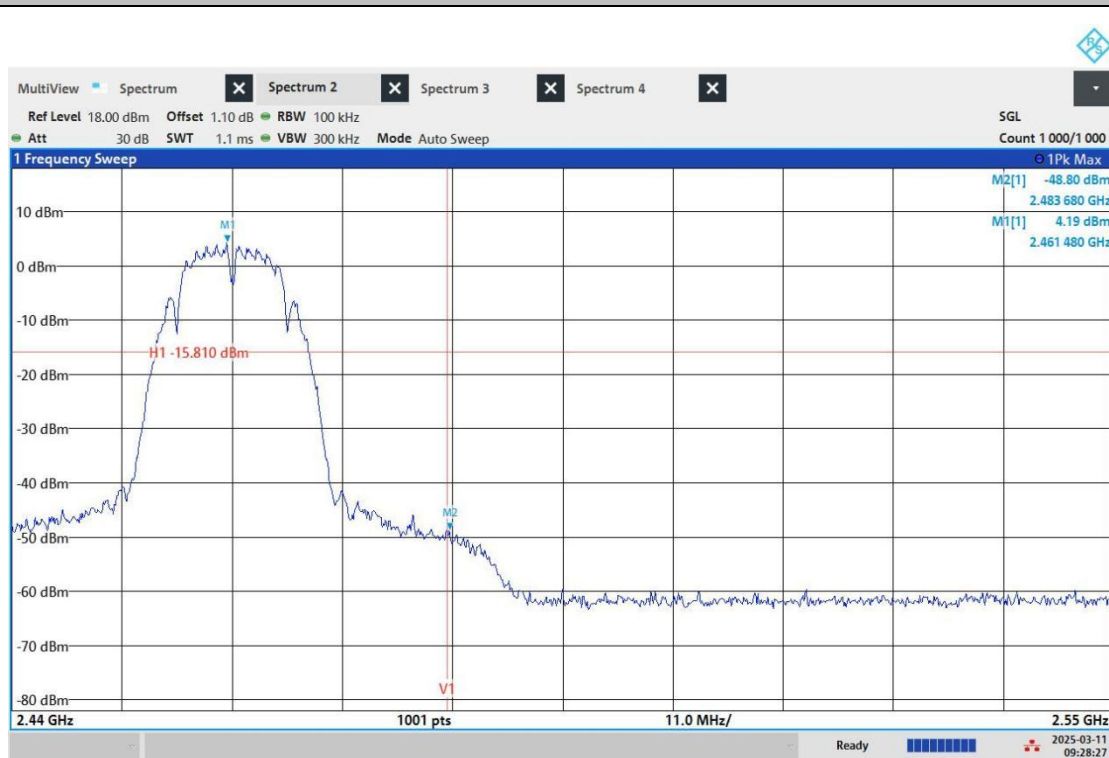
TEST GRAPHS

11B_ANT1_Low_2412



09:23:51 AM 03/11/2025

11B_ANT1_High_2462



09:28:27 AM 03/11/2025

11G_ANT1_Low_2412

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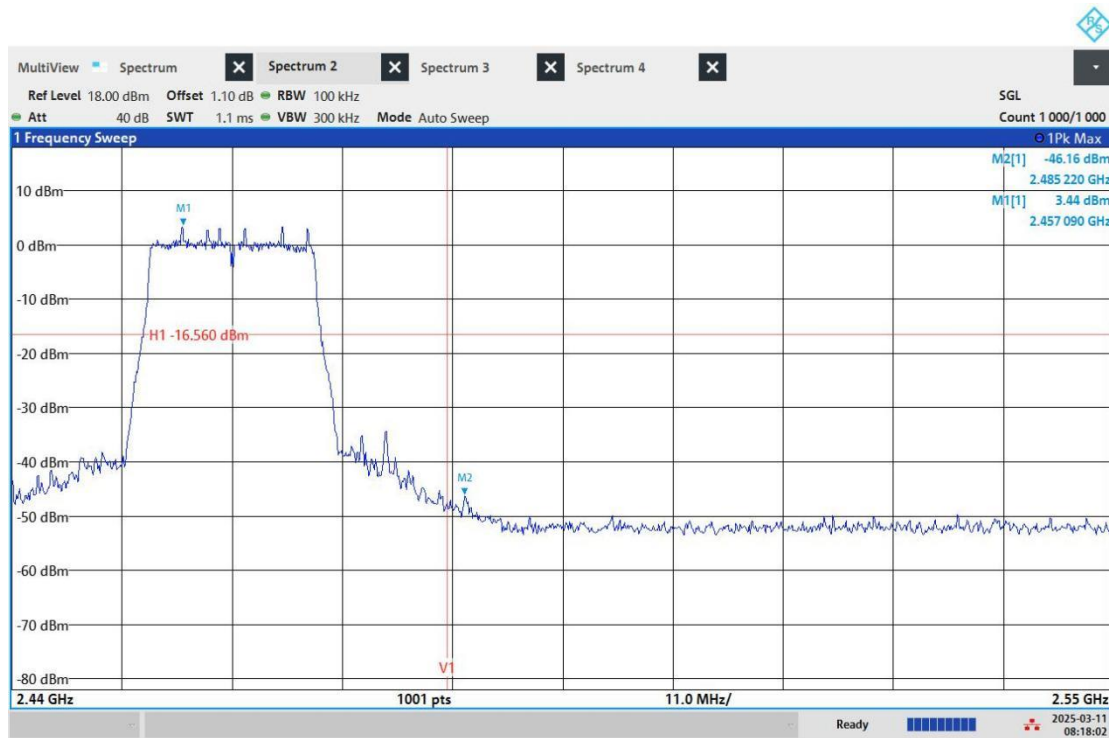
Tower N, Innovation Center, 88 Zuyi Road, High-teCH District,
Suzhou City, Anhui Province

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368 1008



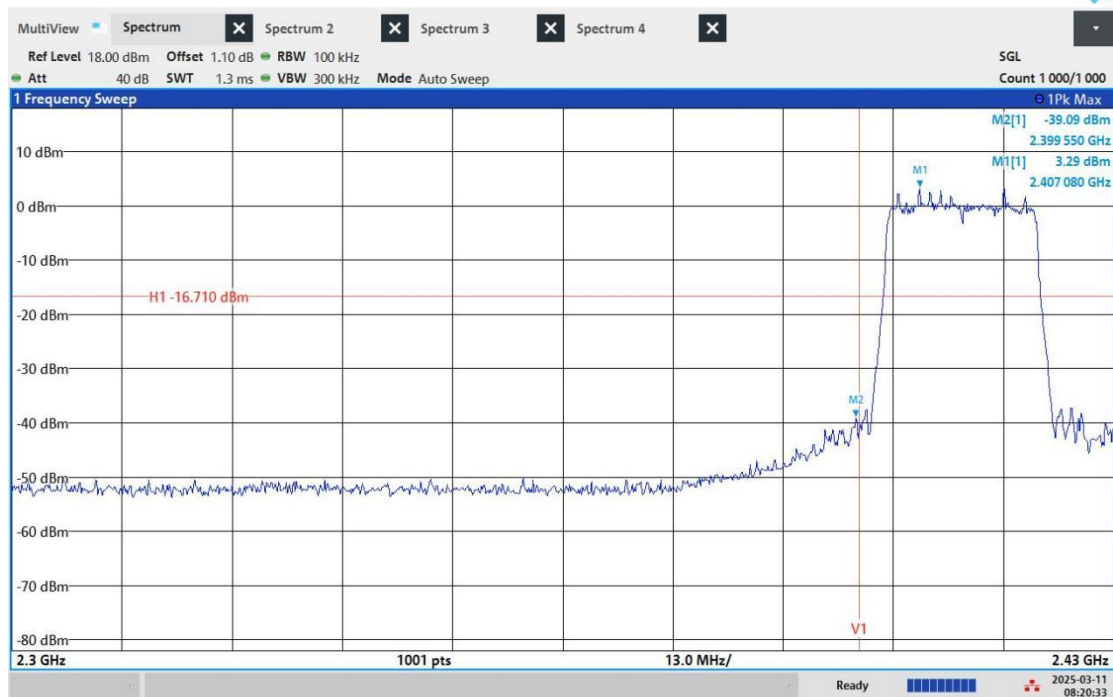
08:14:15 AM 03/11/2025

11G_ANT1_High_2462



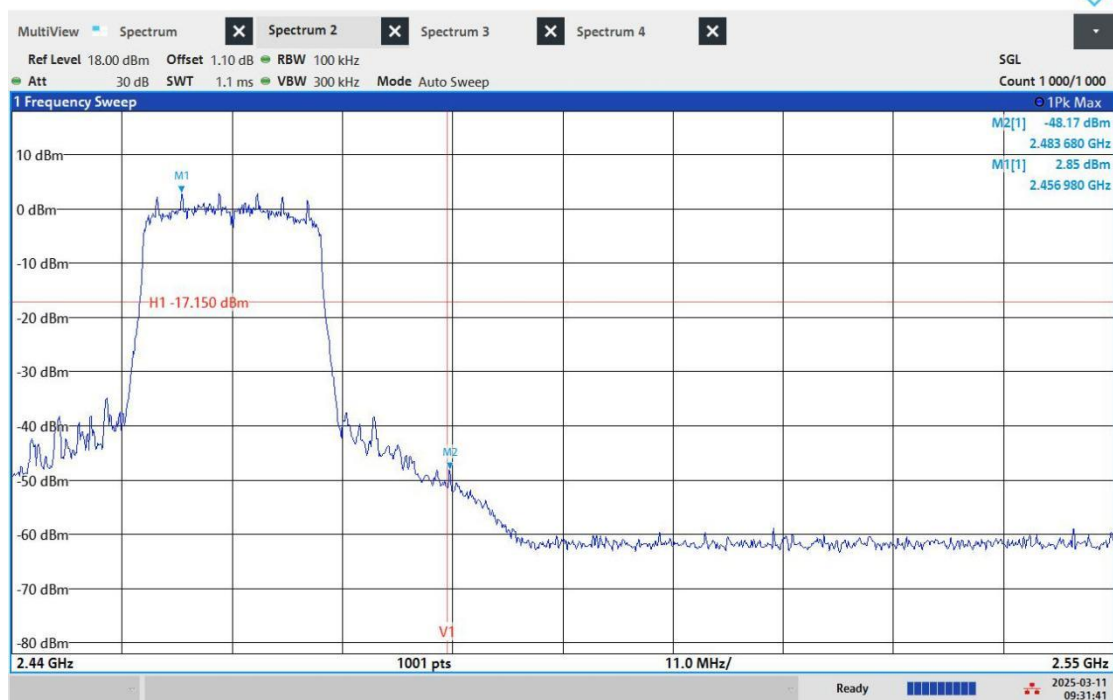
08:18:03 AM 03/11/2025

11N20_ANT1_Low_2412



08:20:34 AM 03/11/2025

11N20_ANT1_High_2462



09:31:42 AM 03/11/2025

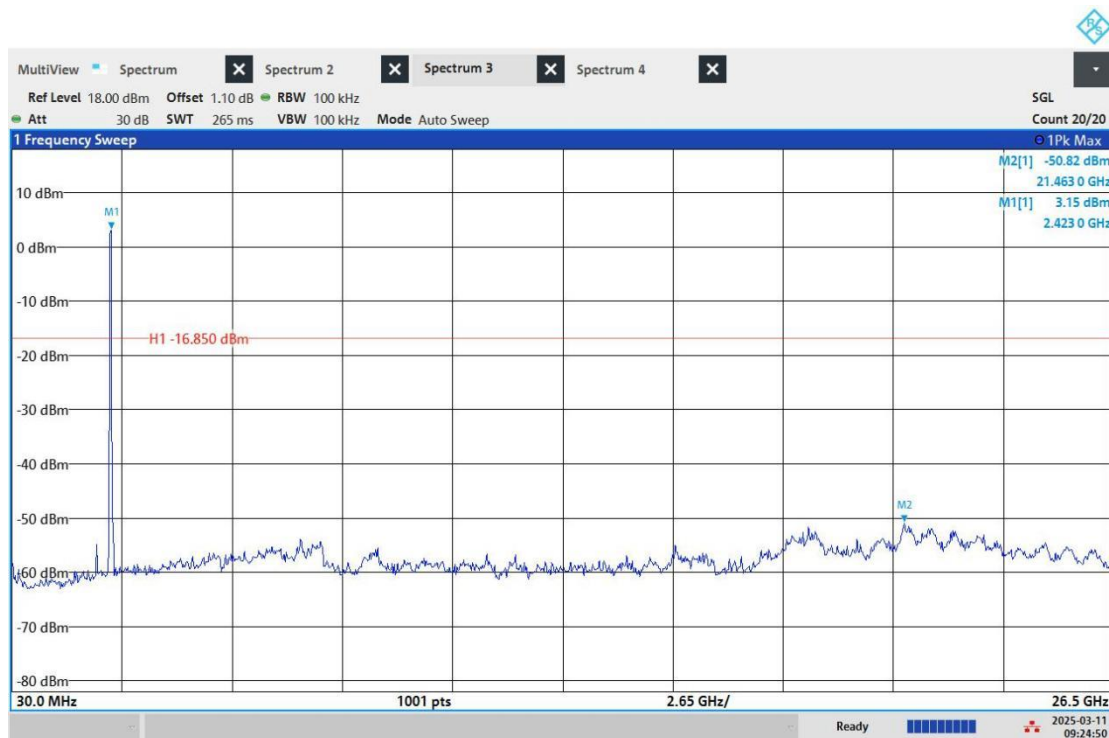
**CONDUCTED SPURIOUS EMISSION****TEST RESULT**

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	ANT1	2412	30~26500 0	See test graph	See test graph	PASS
	ANT1	2437	30~26500 0	See test graph	See test graph	PASS
	ANT1	2462	30~26500 0	See test graph	See test graph	PASS
11G	ANT1	2412	30~26500 0	See test graph	See test graph	PASS
	ANT1	2437	30~26500 0	See test graph	See test graph	PASS
	ANT1	2462	30~26500 0	See test graph	See test graph	PASS
11N20	ANT1	2412	30~26500 0	See test graph	See test graph	PASS
	ANT1	2437	30~26500 0	See test graph	See test graph	PASS
	ANT1	2462	30~26500 0	See test graph	See test graph	PASS



TEST GRAPHS

11B_ANT1_2412_30~265000



11B_ANT1_2437_30~265000

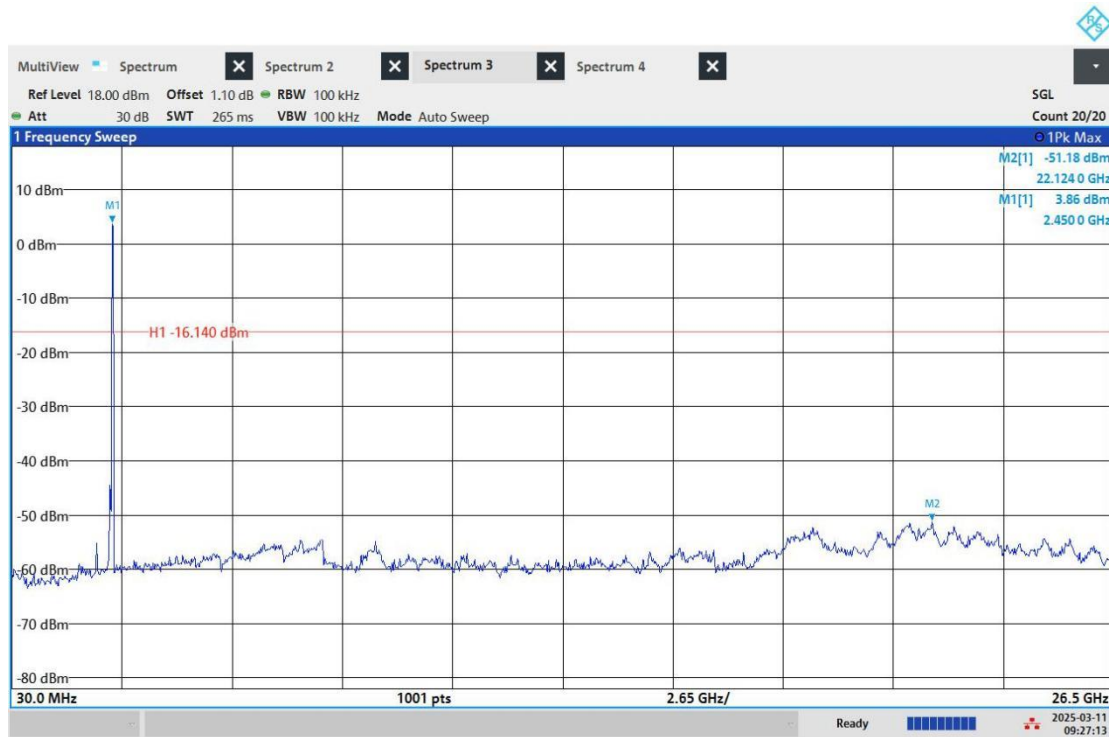


11B_ANT1_2462_30~265000

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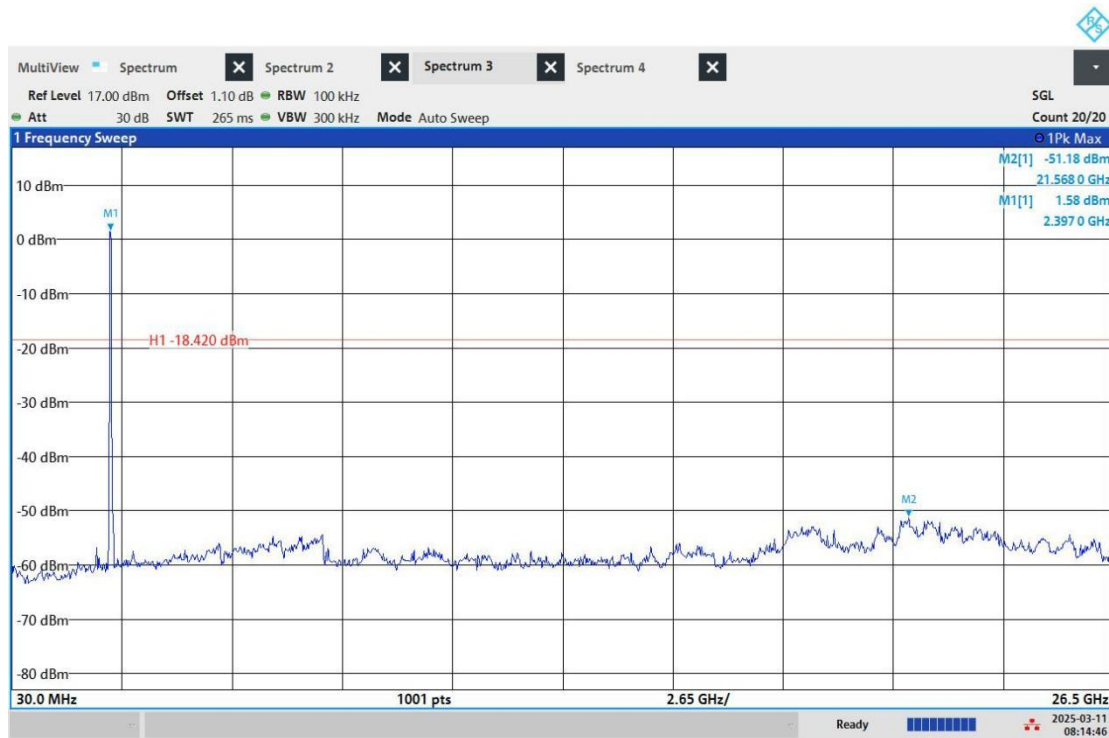
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Suzhou City, Anhui Province

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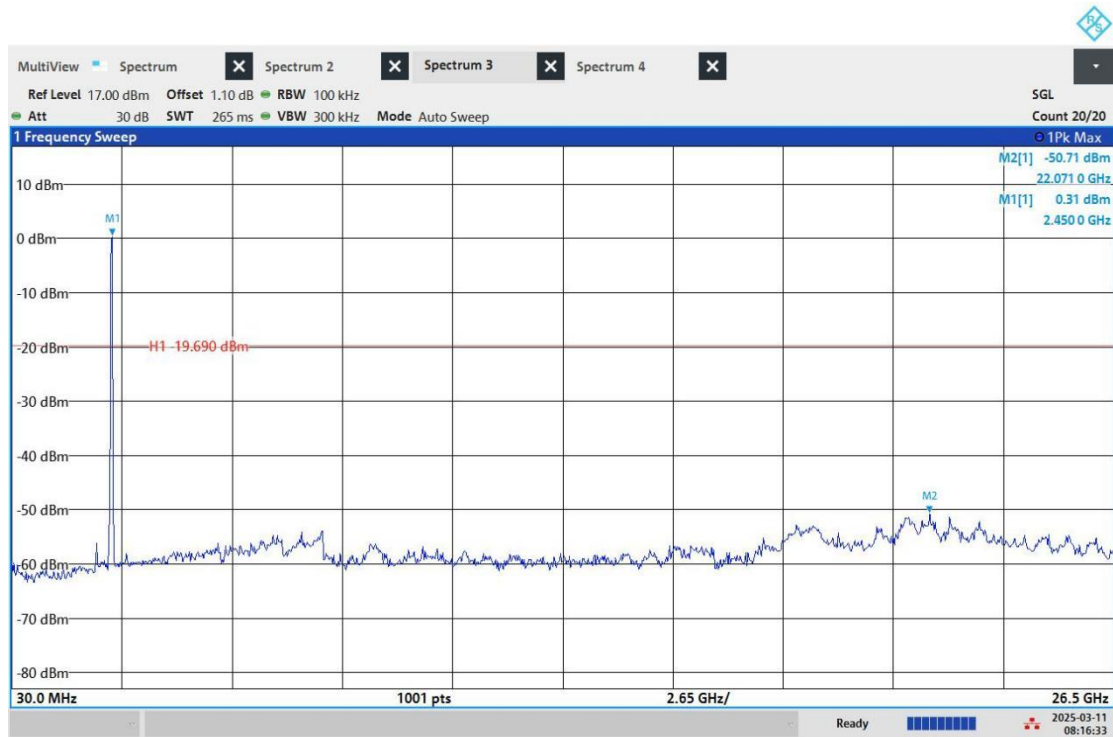
09:27:14 AM 03/11/2025

11G_ANT1_2412_30~265000

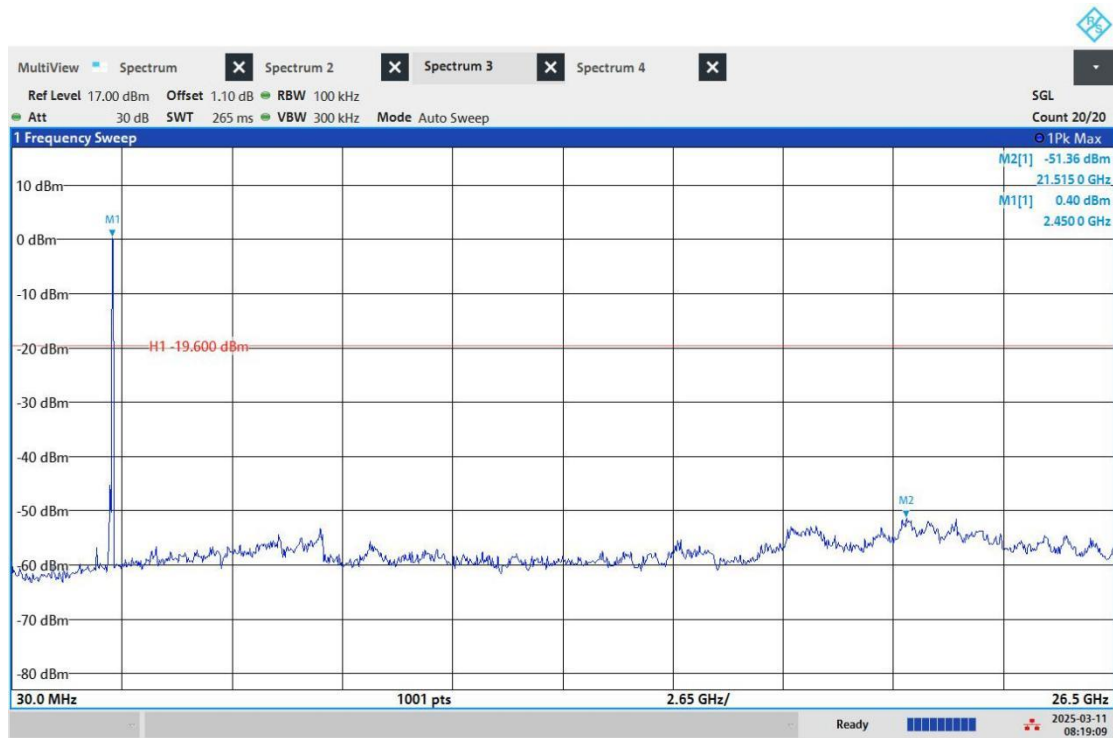


08:14:47 AM 03/11/2025

11G_ANT1_2437_30~265000



11G_ANT1_2462_30~265000



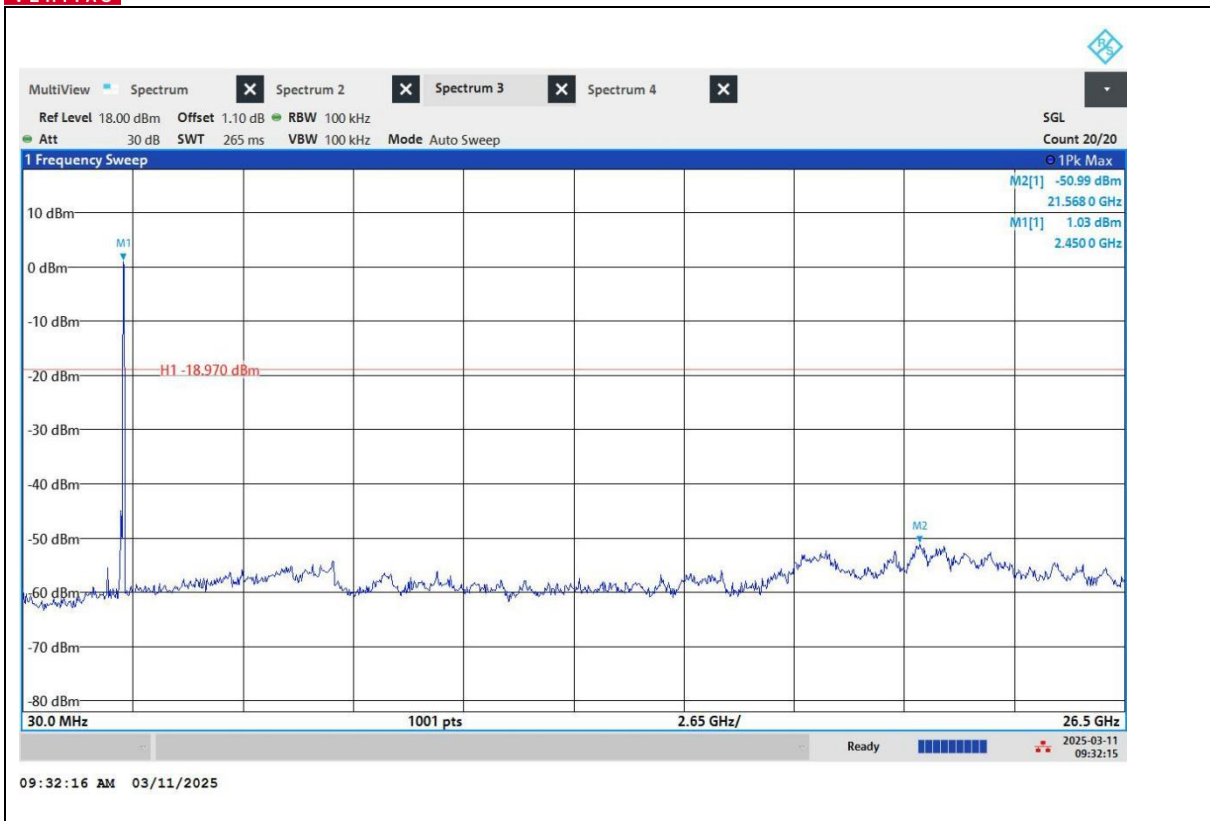
11N20_ANT1_2412_30~265000



11N20_ANT1_2437_30~265000



11N20_ANT1_2462_30~265000





DUTY CYCLE

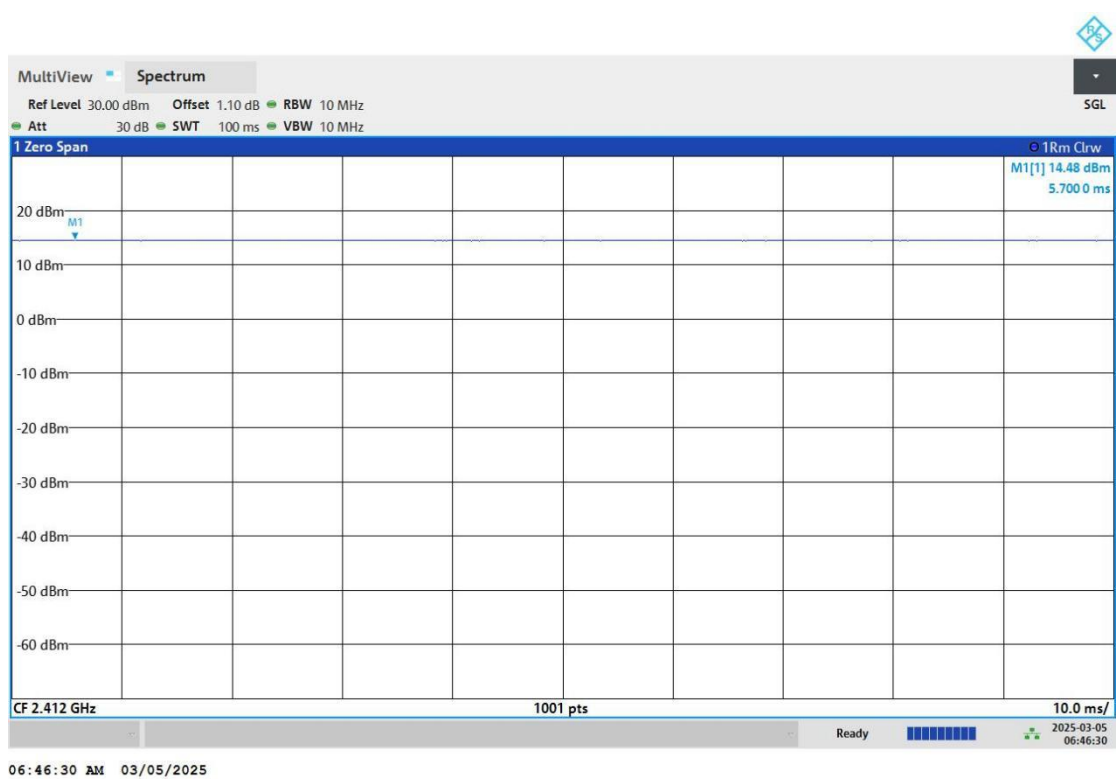
TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	duty cycle factor
11B	ANT1	2412	100	100	100	0
11G	ANT1	2412	100	100	100	0
11N20	ANT1	2412	100	100	100	0

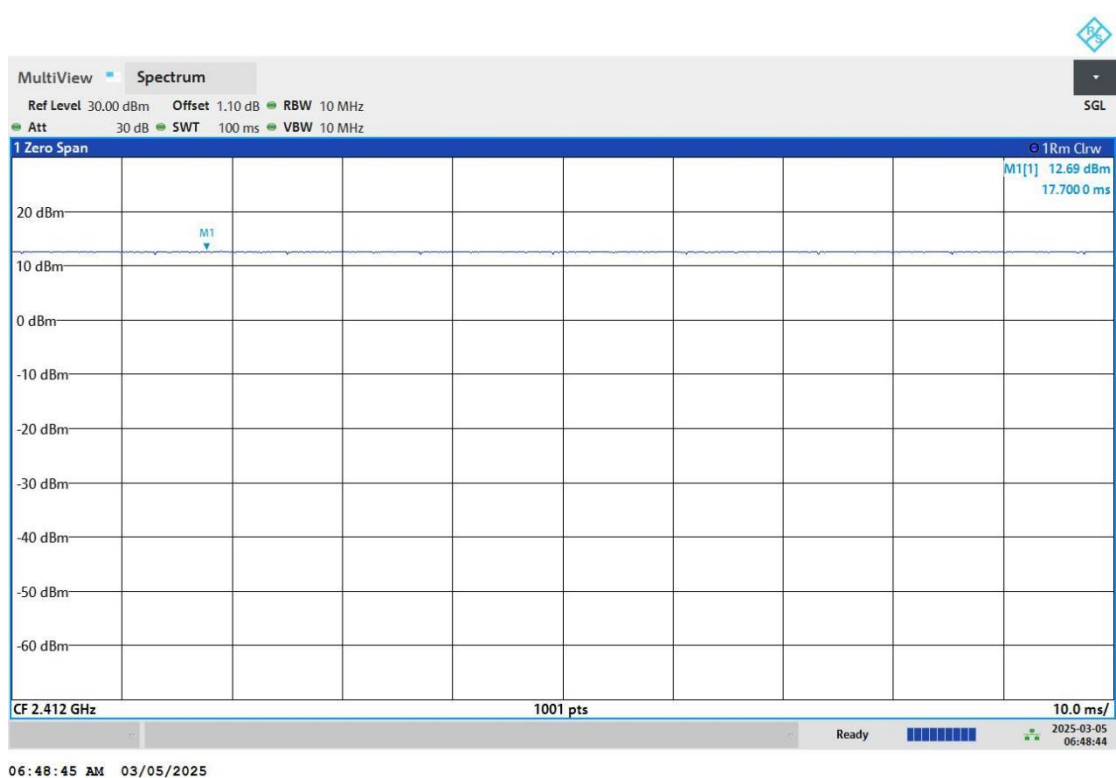


TEST GRAPHS

11B_ANT1_2412



11G_ANT1_2412

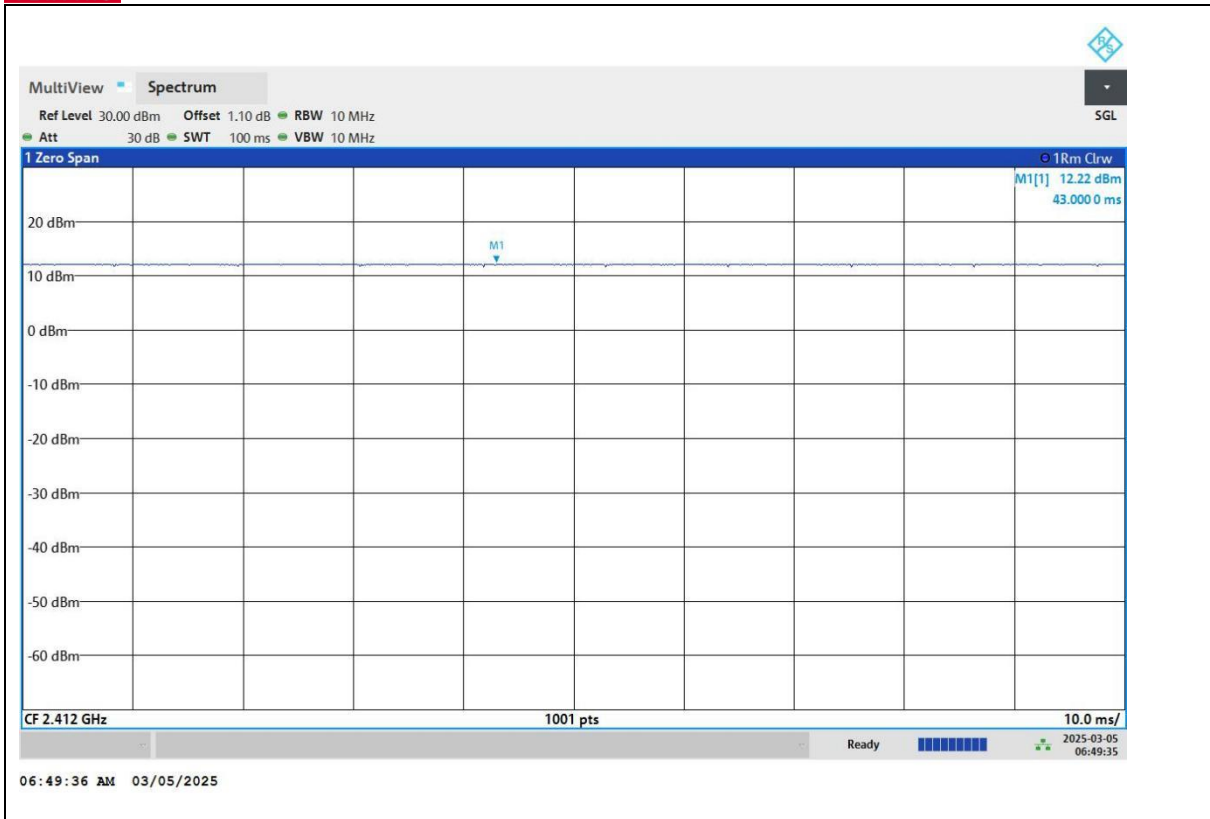


11N20_ANT1_2412

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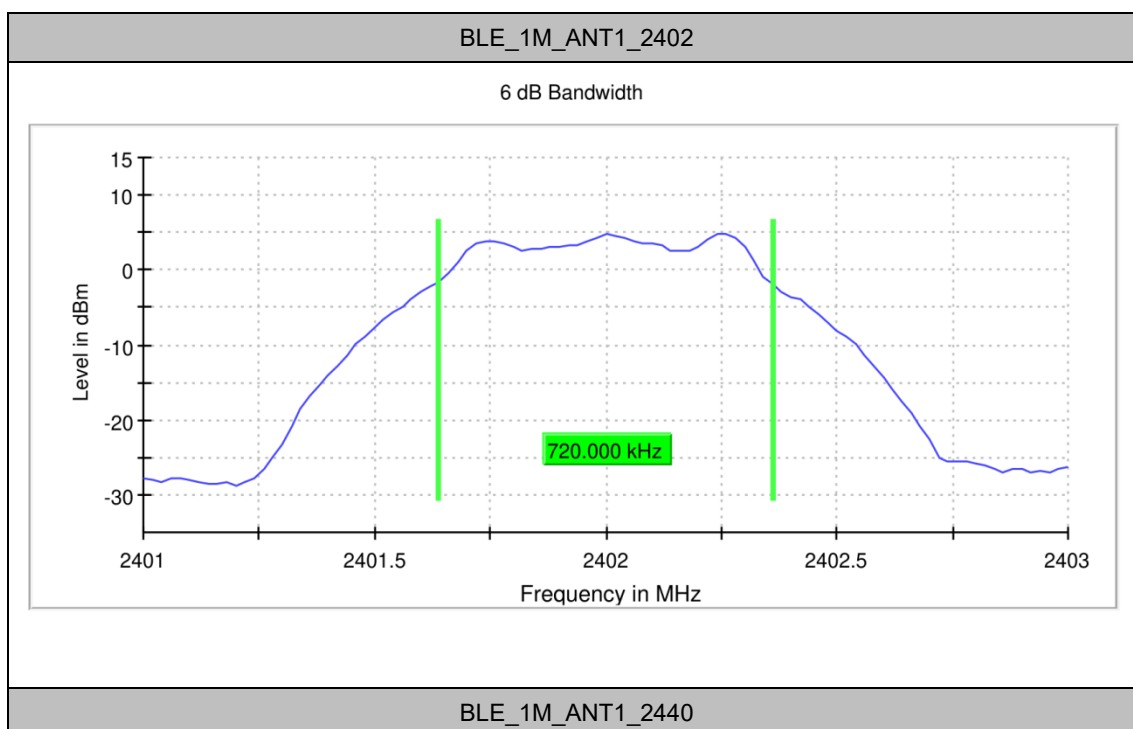
7 APPENDIX B:BLE

DTS BANDWIDTH

TEST RESULT

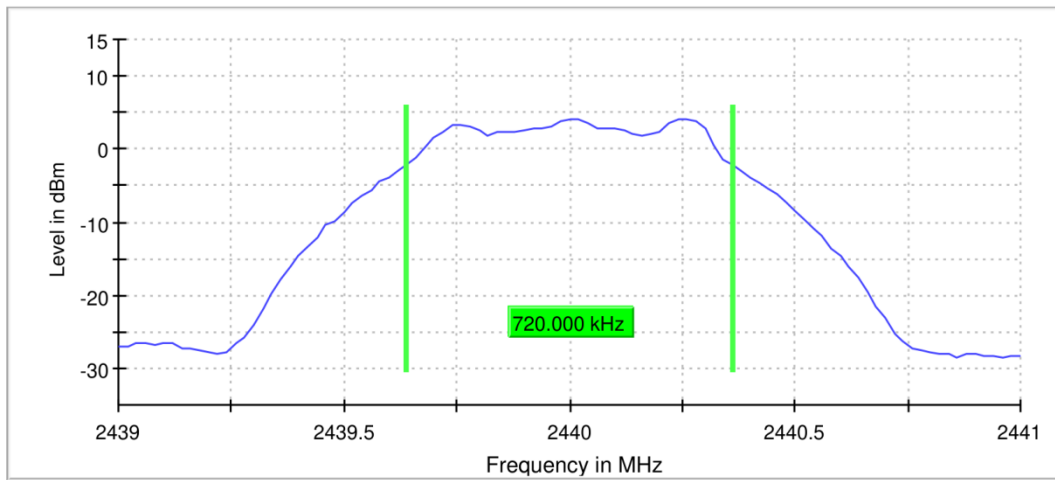
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	ANT1	2402	0.720	2401.640	2402.360	0.5	PASS
		2440	0.720	2439.640	2440.360	0.5	PASS
		2480	0.720	2479.640	2480.360	0.5	PASS

TEST GRAPHS



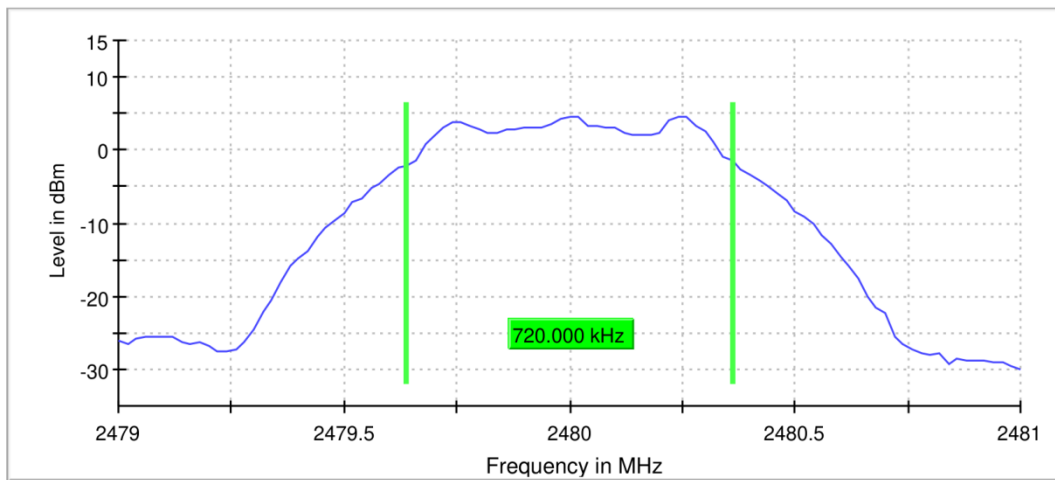


6 dB Bandwidth



BLE_1M_ANT1_2480

6 dB Bandwidth



RBW 100.000 kHz

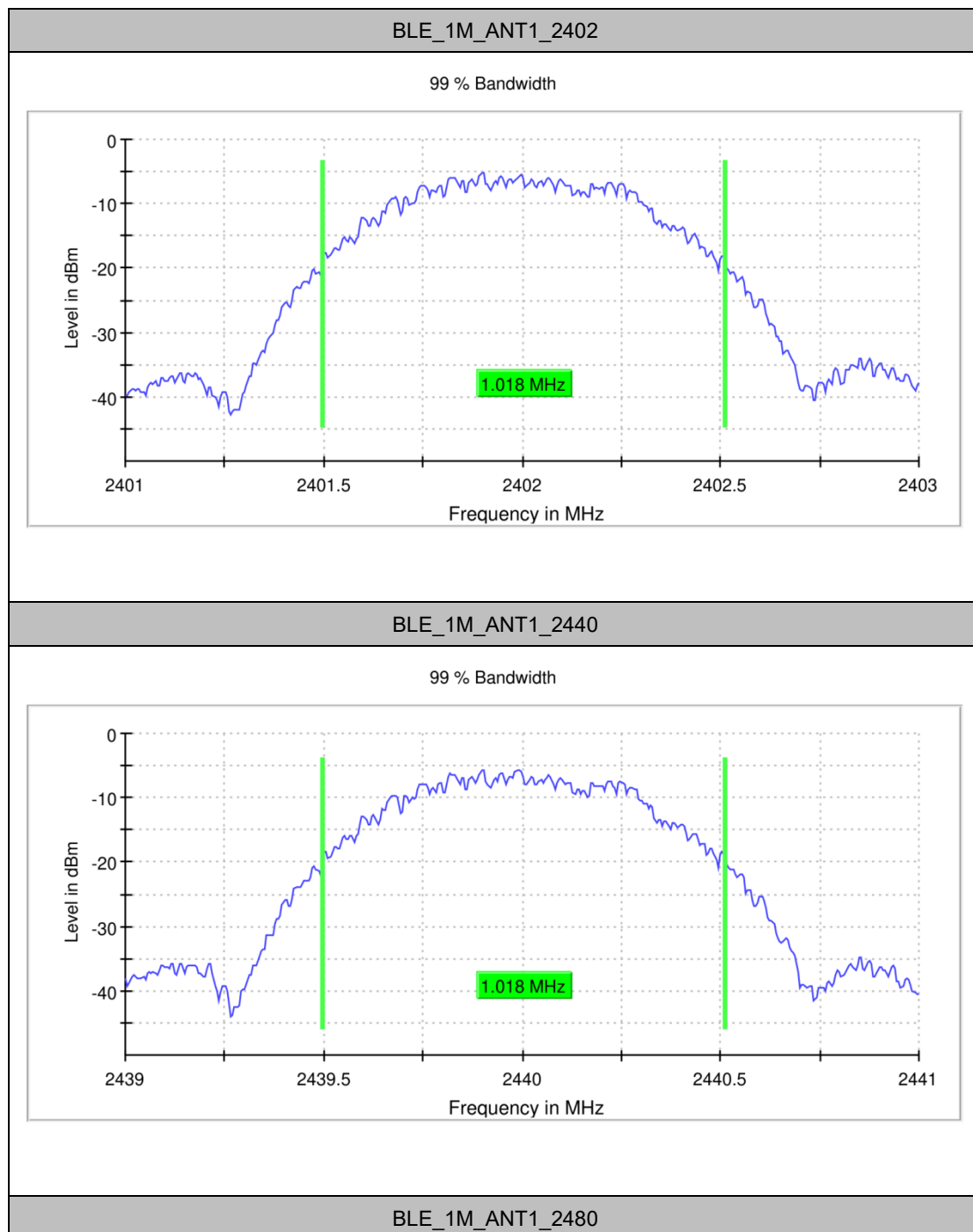
VBW 300.000 kHz

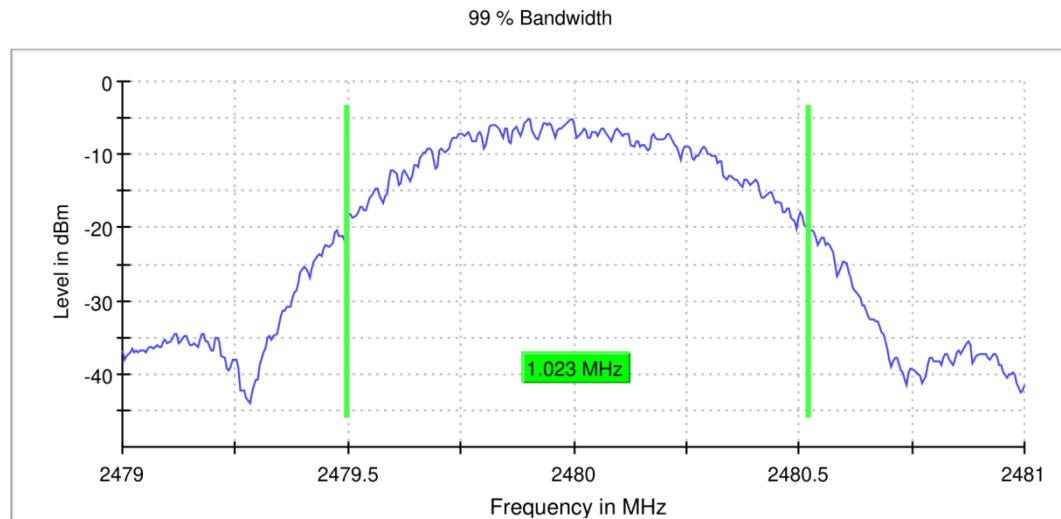


OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	ANT1	2402	1.018	2401.496	2402.514	2400-2483.5	PASS
		2440	1.018	2439.496	2440.514	2400-2483.5	PASS
		2480	1.023	2479.496	2480.519	2400-2483.5	PASS





RBW 30.000 kHz

VBW 100.000 kHz

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

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	3.05	4.87	3.07	≤30	PASS	7
		2440	2.79	4.24	2.65	≤30	PASS	7
		2480	2.97	4.67	2.93	≤30	PASS	7

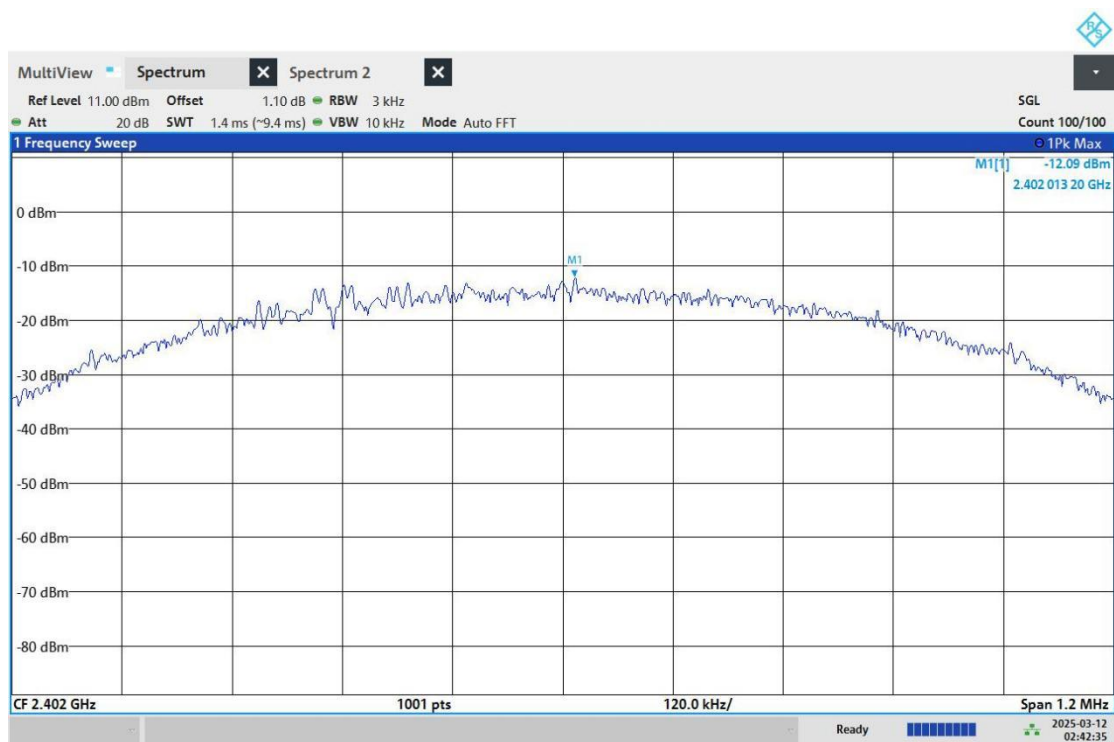
MAXIMUM POWER SPECTRAL DENSITY**TEST RESULT**

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	ANT1	2402	-12.09	≤8	PASS
		2440	-12.02	≤8	PASS
		2480	-12.50	≤8	PASS



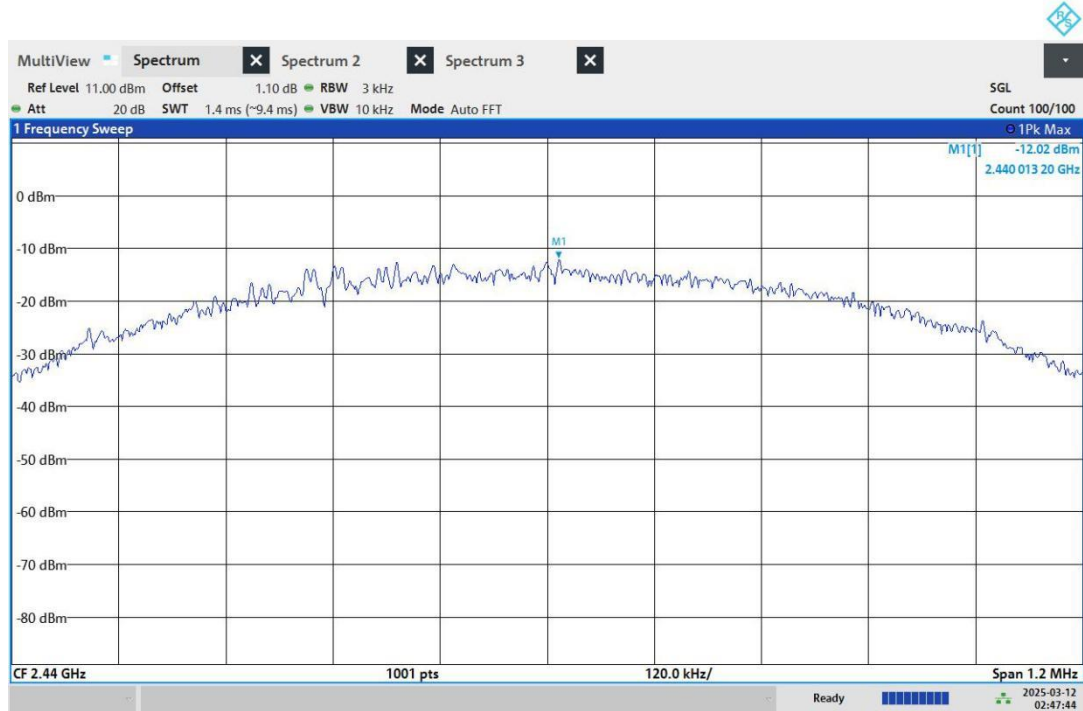
BUREAU VERITAS Test Report No.: PSU-QSU2502190110RF01
TEST GRAPHS

BLE_1M_ANT1_2402



02:42:36 AM 03/12/2025

BLE_1M_ANT1_2440



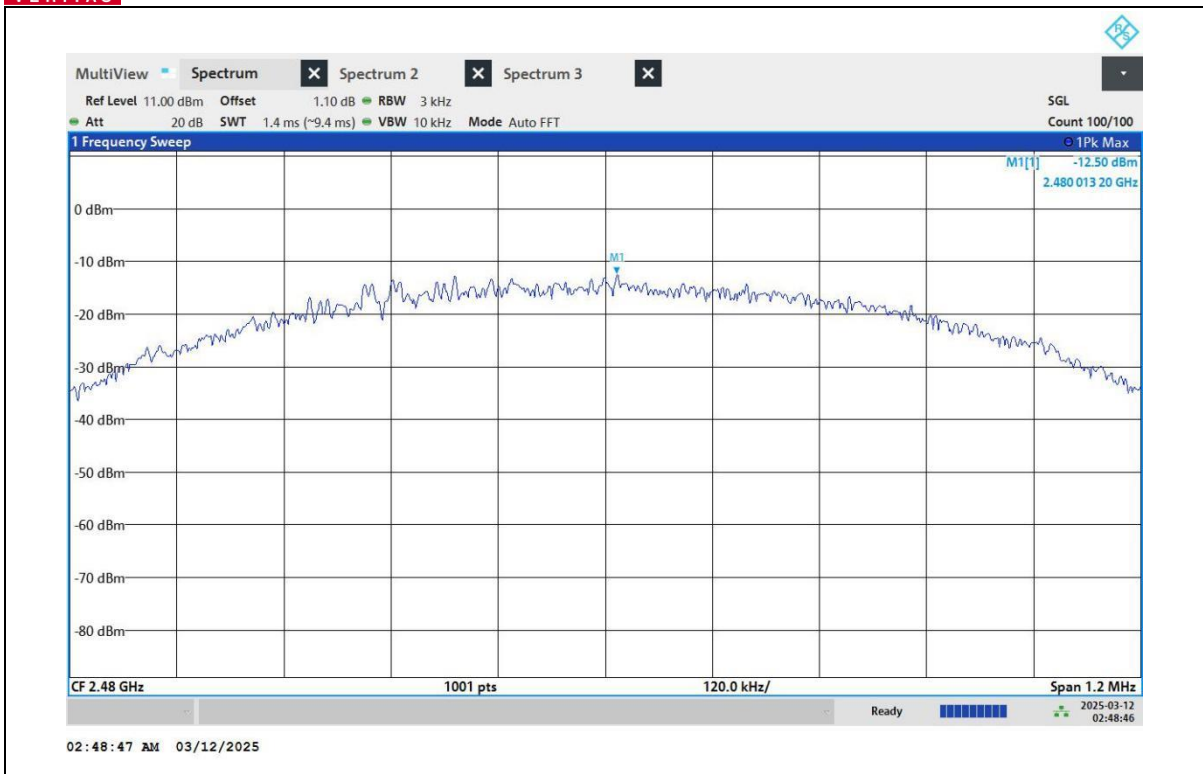
02:47:45 AM 03/12/2025

BLE_1M_ANT1_2480

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BAND EDGE MEASUREMENTS

TEST RESULT

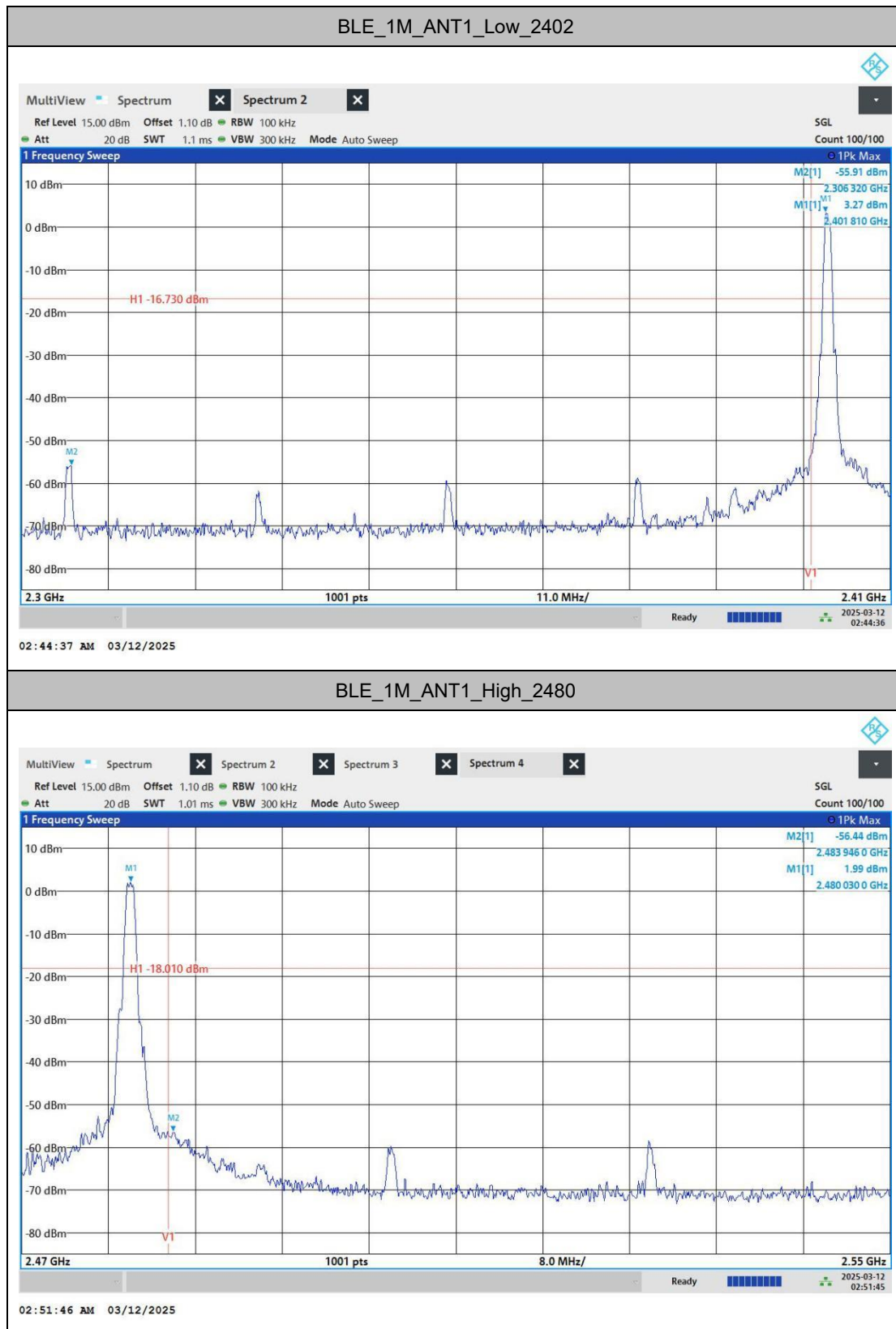
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT1	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2502190110RF01

TEST GRAPHS



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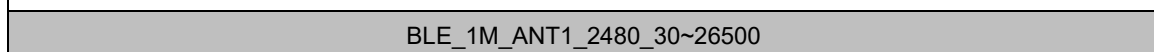
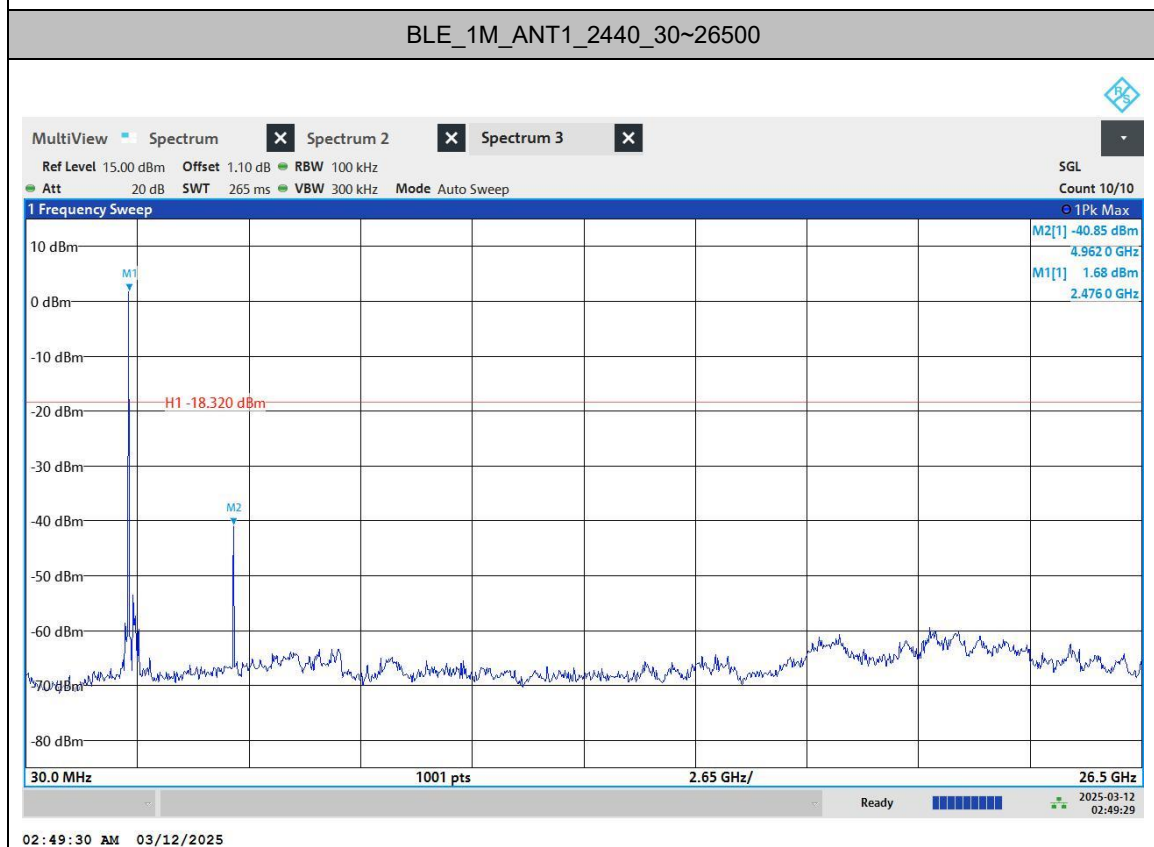
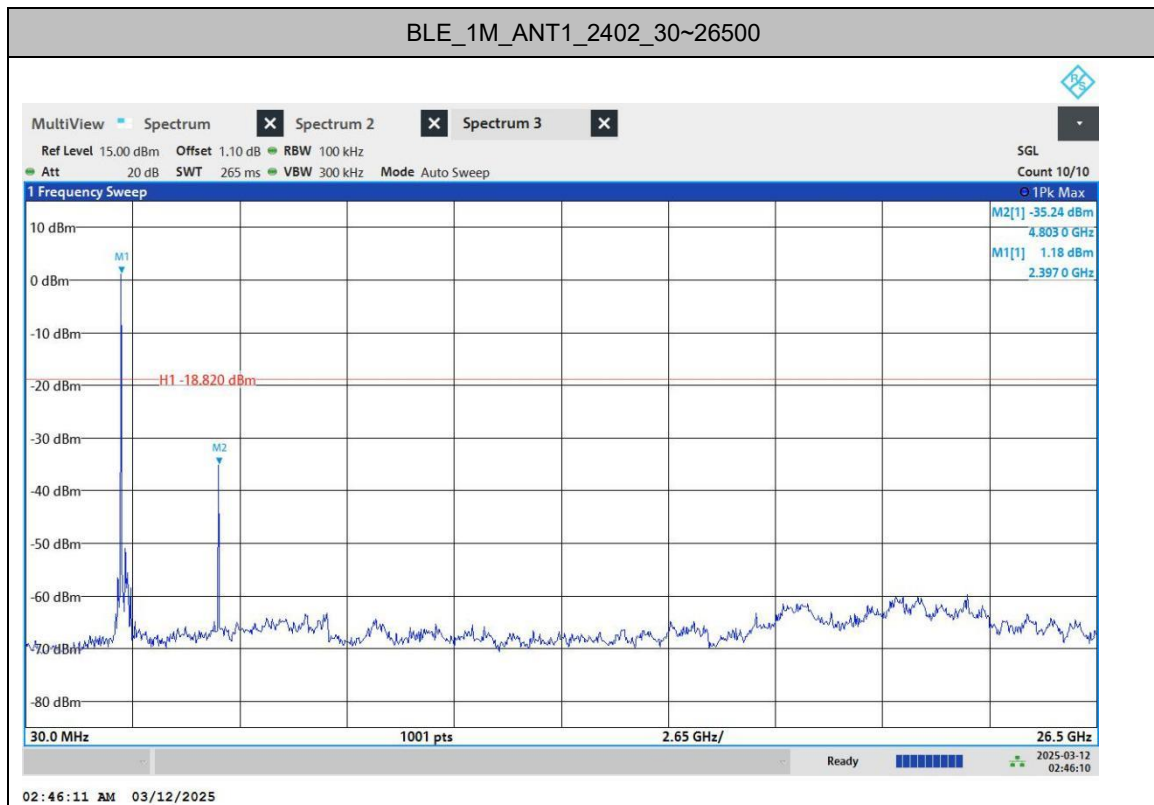
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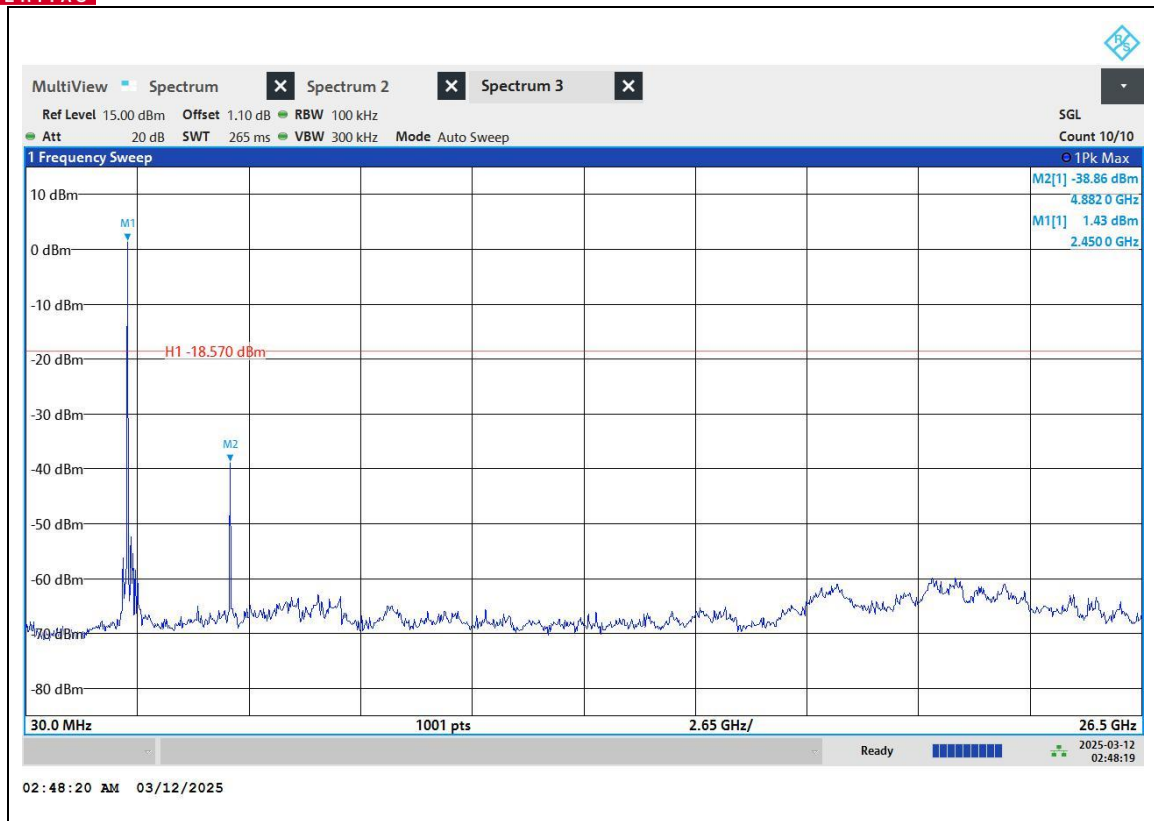


CONDUCTED SPURIOUS EMISSION

TEST RESULT

TestMode	Antenna	Channel	FreqRange [MHz]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT1	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS





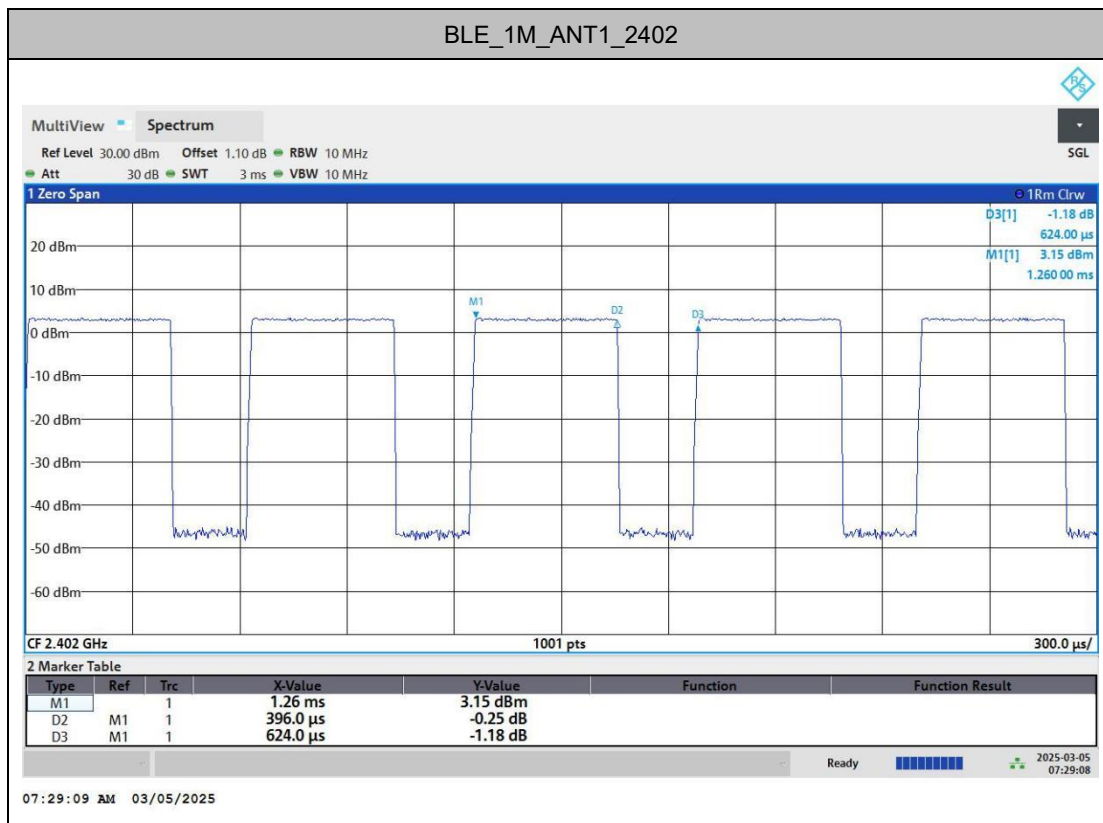


DUTY CYCLE

TEST RESULT

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
BLE_1M	ANT1	2402	0.396	0.624	84.4	0.74	---	PASS

TEST GRAPHS



--END--