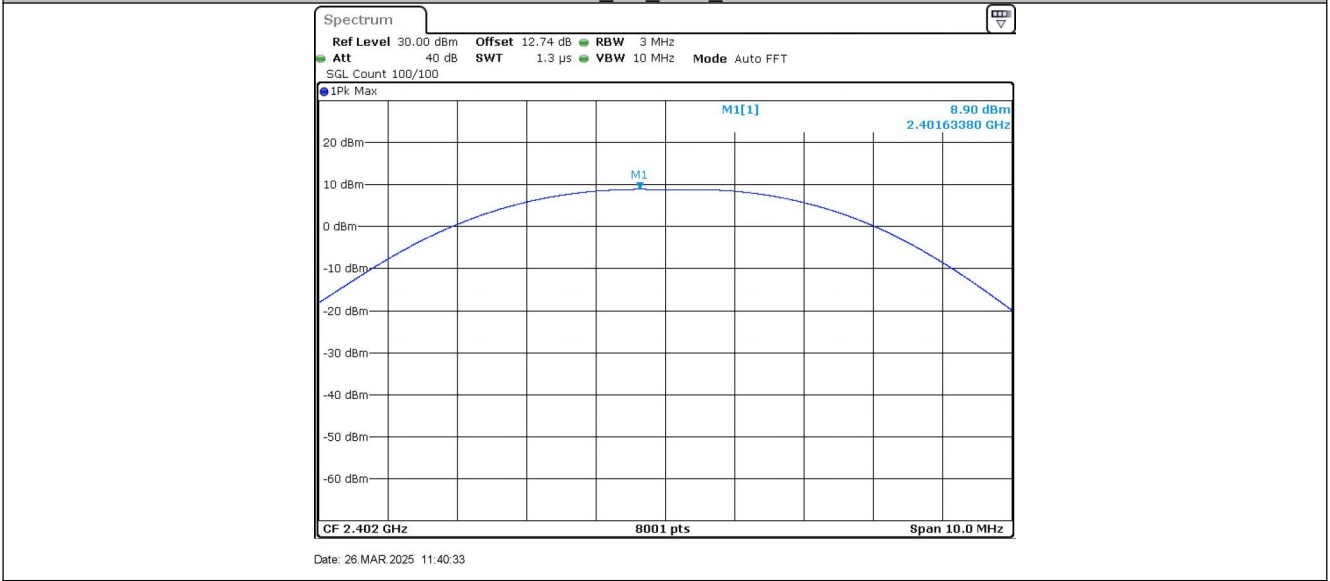
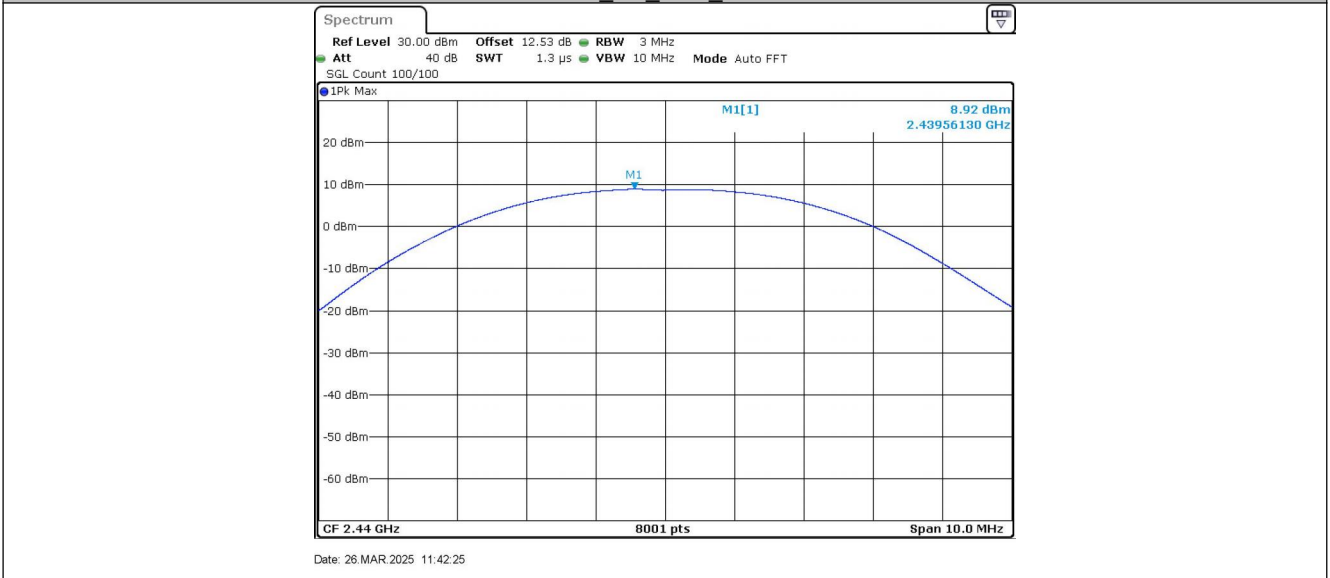


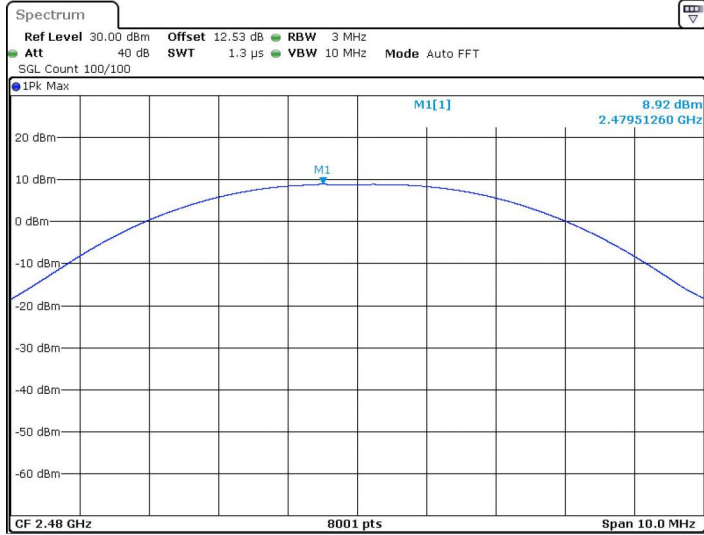
BLE 2M Ant1 2402



BLE 2M Ant1 2440

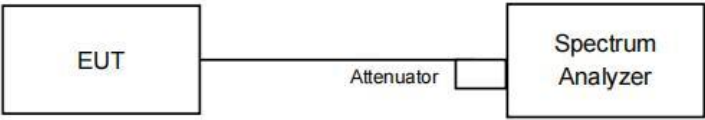


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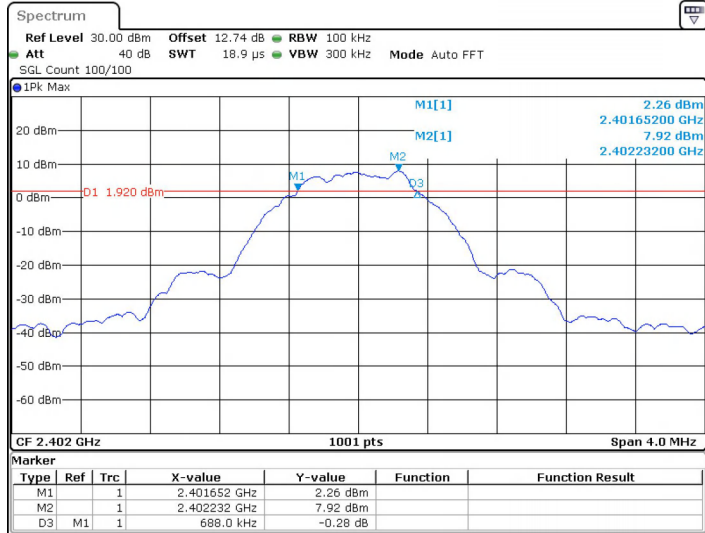
## 5.4 6dB Occupy Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	 <p><i>Remark: Offset=Cable loss+ attenuation factor.</i></p>
Limit:	≥ 500 kHz
Instruments Used:	Refer to section 4.11 for details.
Test Results:	Pass

### Measurement Data

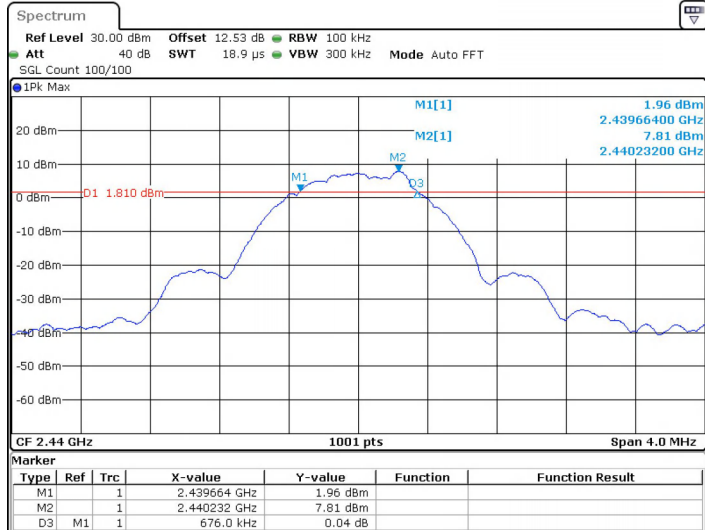
GFSK mode (1Mbps)			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	0.69	≥500	Pass
Middle	0.68	≥500	Pass
Highest	0.70	≥500	Pass
GFSK mode (2Mbps)			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	1.36	≥500	Pass
Middle	1.38	≥500	Pass
Highest	1.36	≥500	Pass

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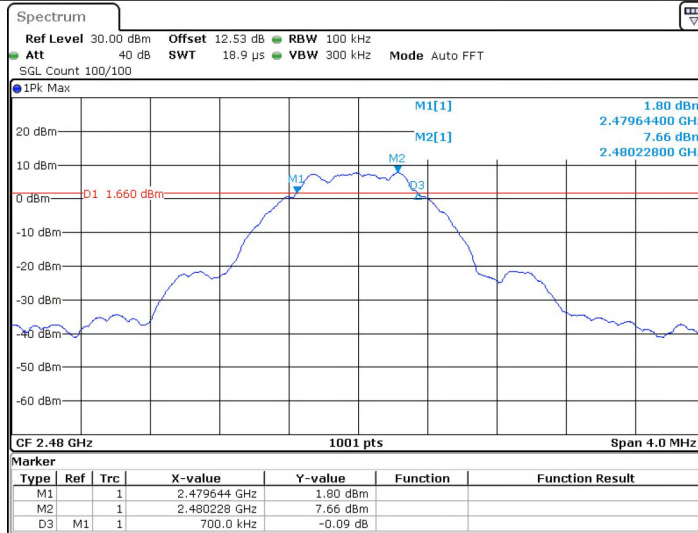
Date: 26 MAR 2025 11:34:57

BLE 1M Ant1 2440



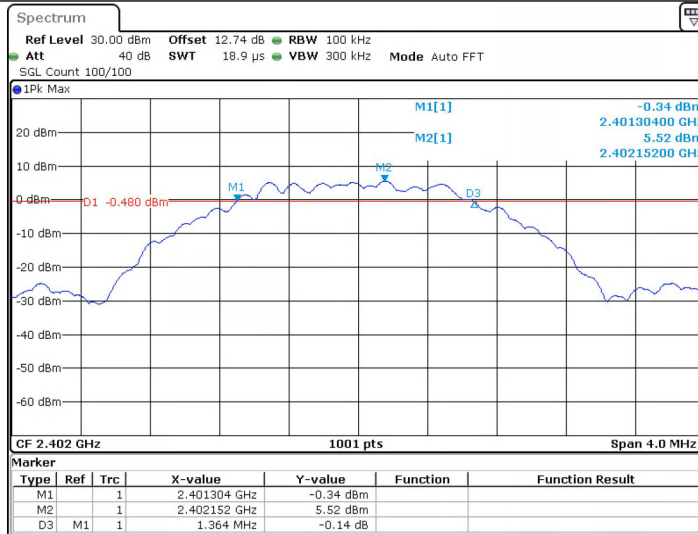
Date: 26 MAR 2025 11:36:36

BLE 1M Ant1 2480



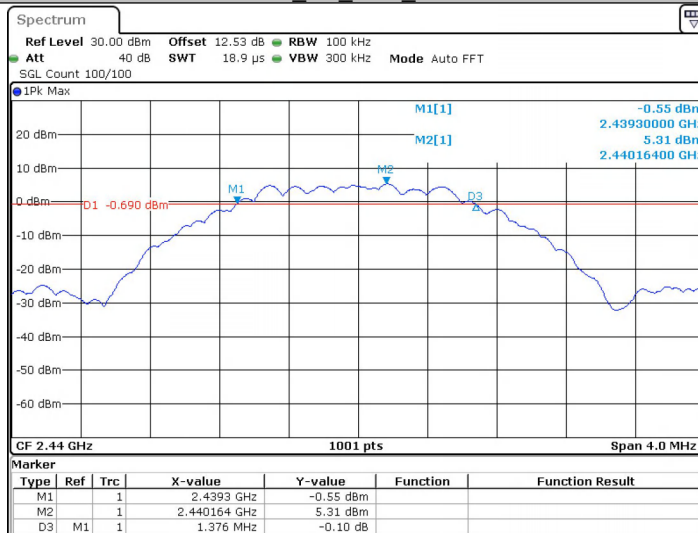
Date: 26 MAR 2025 11:38:35

### BLE 2M Ant1 2402



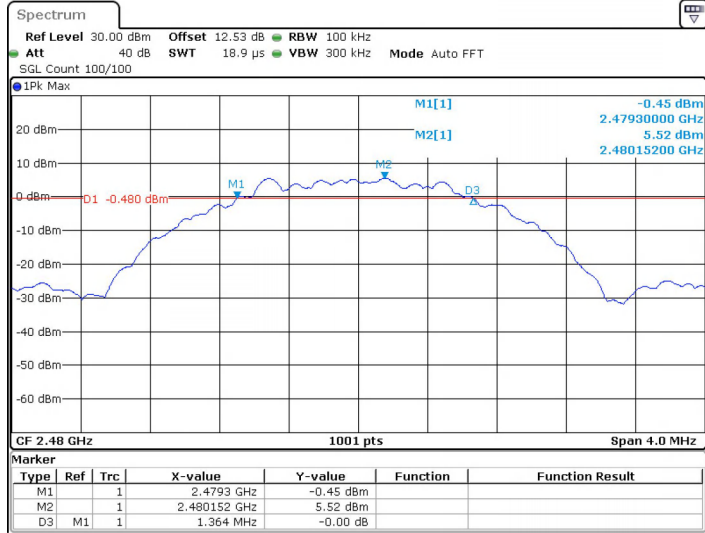
Date: 26 MAR 2025 11:40:24

### BLE 2M Ant1 2440



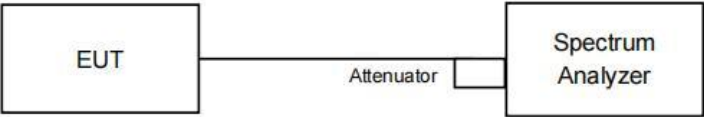
Date: 26 MAR 2025 11:42:16

BLE 2M Ant1 2480



Date: 26.MAR.2025 11:43:35

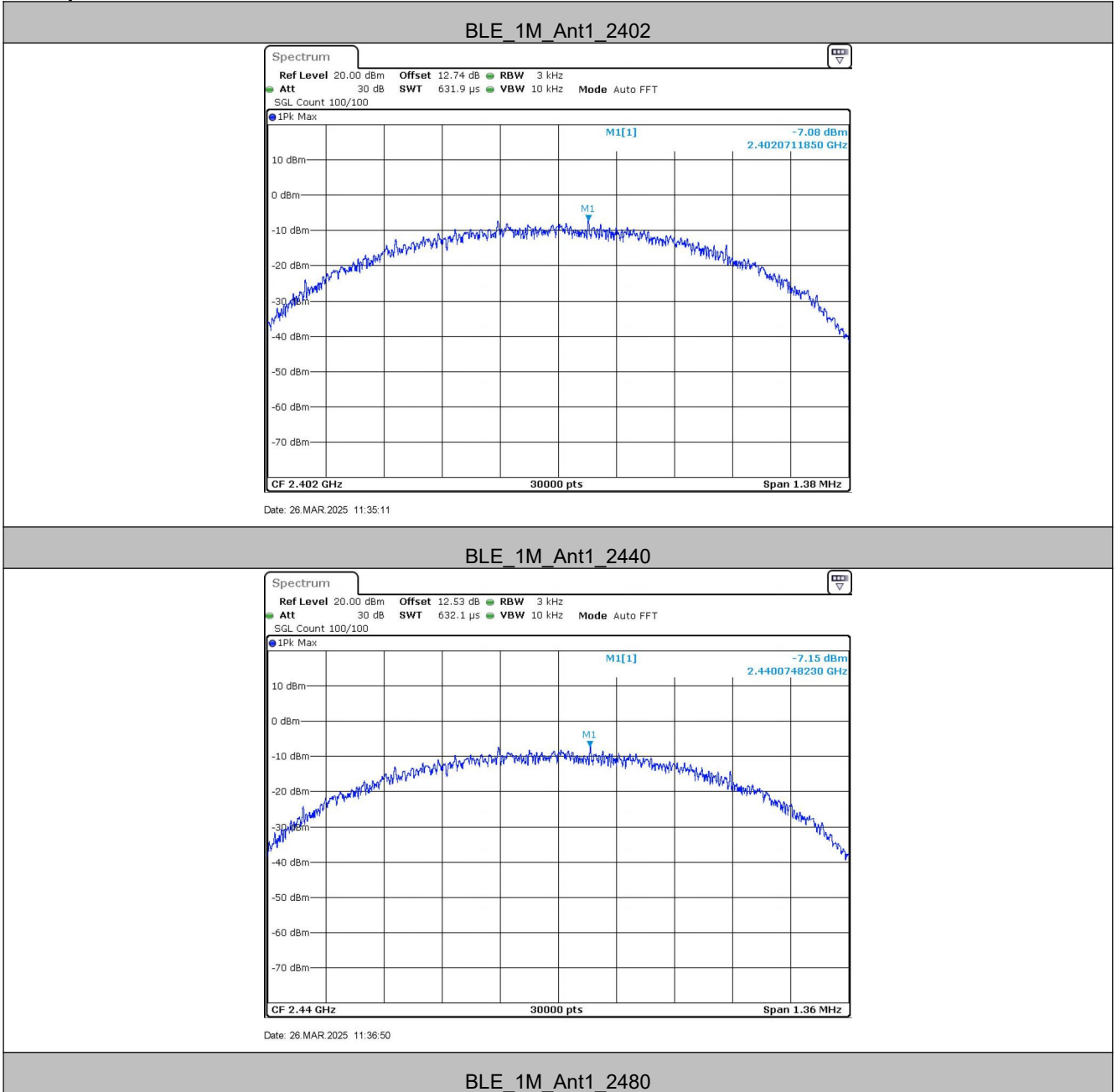
## 5.5 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10 2013
Test Setup:	 <p>Remark: <math>Offset = \text{Cable loss} + \text{attenuation factor}</math>.</p>
Limit:	$\leq 8.00 \text{ dBm/3kHz}$
Test Mode:	Transmitting with GFSK modulation.
Test Results:	Pass

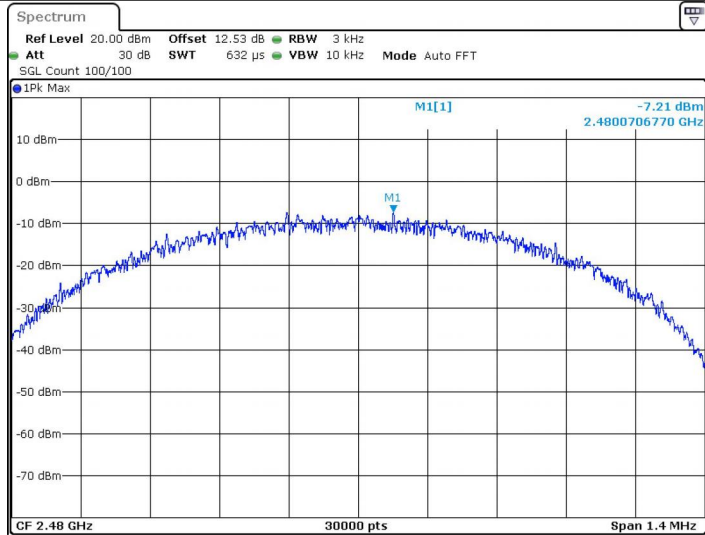
### Measurement Data

GFSK mode (1Mbps)			
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Lowest	-7.08	$\leq 8.00$	Pass
Middle	-7.15	$\leq 8.00$	Pass
Highest	-7.21	$\leq 8.00$	Pass
GFSK mode (2Mbps)			
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Lowest	-10.59	$\leq 8.00$	Pass
Middle	-10.72	$\leq 8.00$	Pass
Highest	-10.37	$\leq 8.00$	Pass

Test plot as follows:

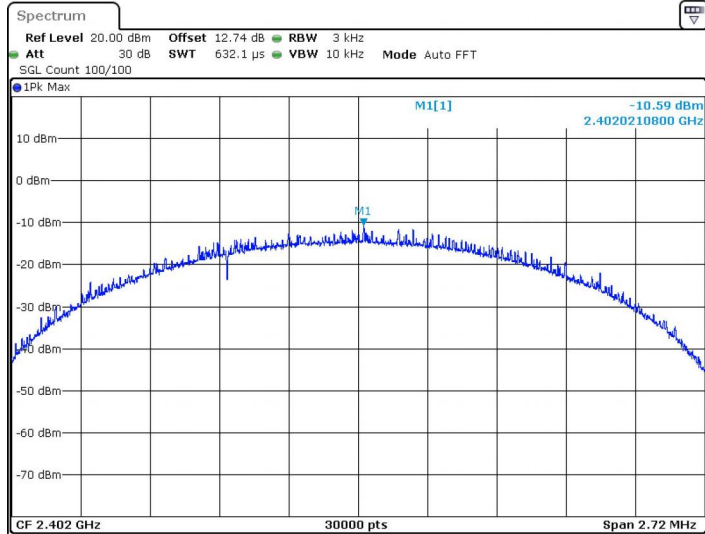






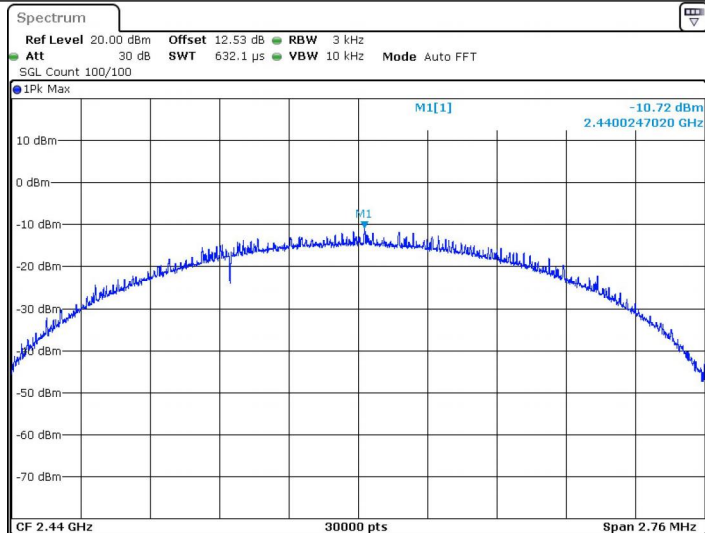
Date: 26.MAR.2025 11:38:48

BLE 2M Ant1 2402



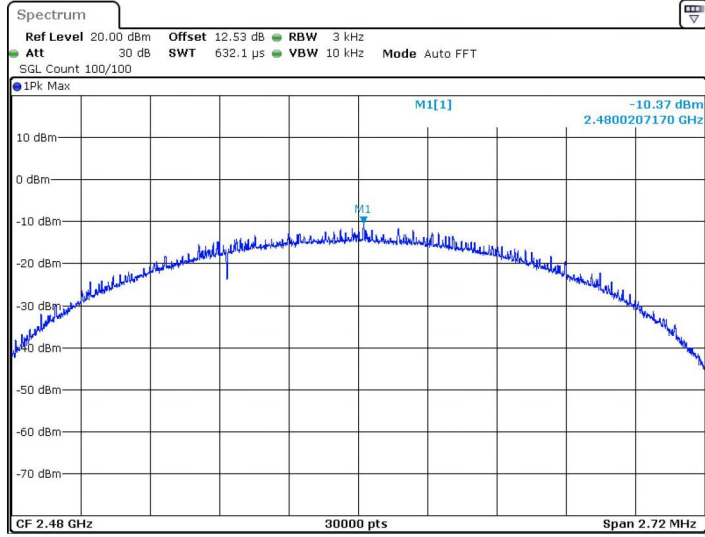
Date: 26.MAR.2025 11:40:38

BLE 2M Ant1 2440



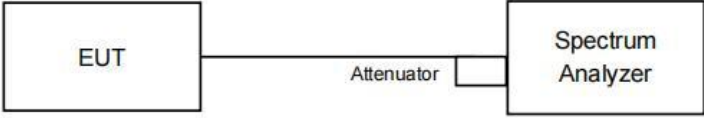
Date: 26.MAR.2025 11:42:30

BLE 2M Ant1 2480



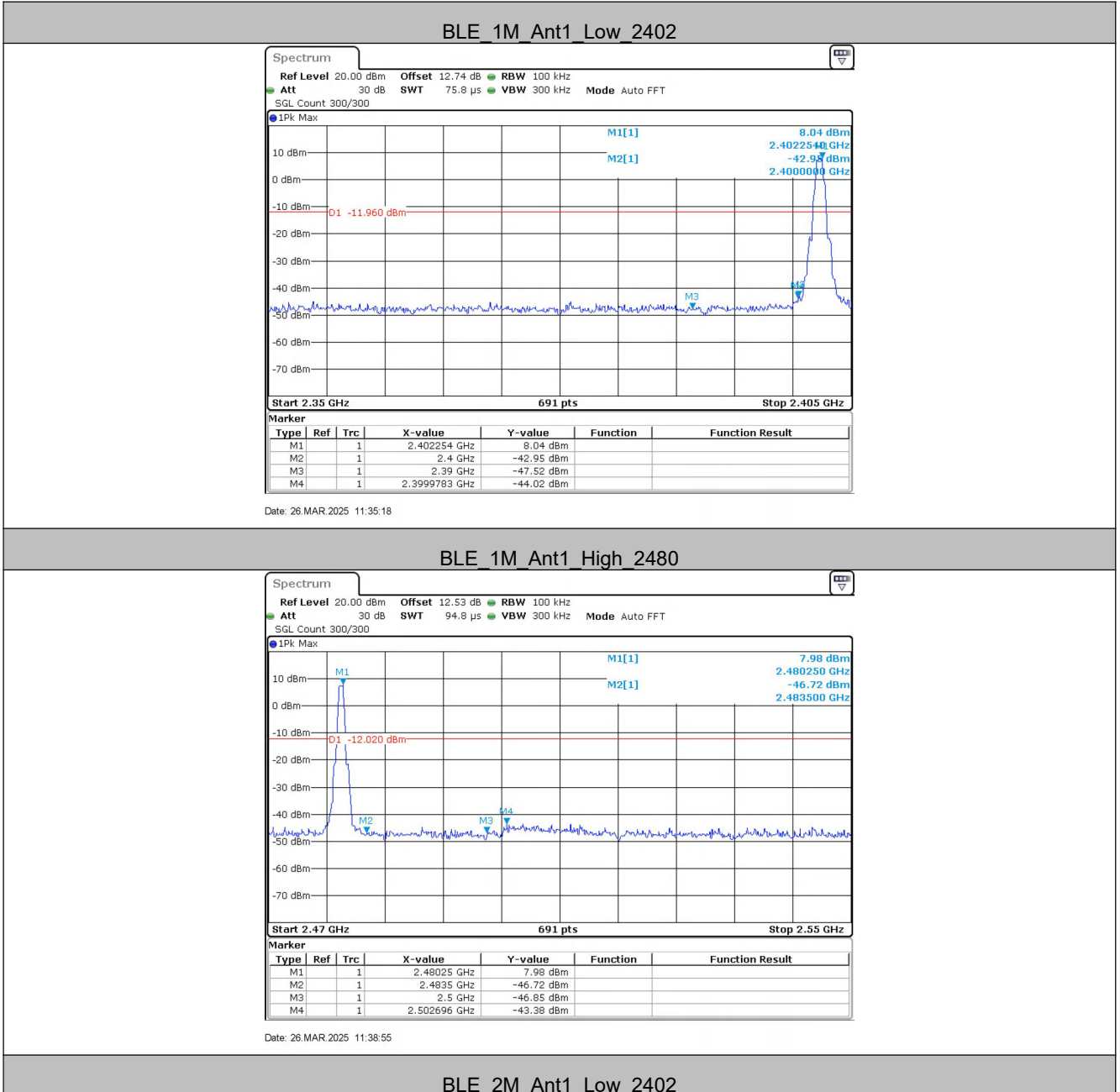
Date: 26.MAR.2025 11:43:49

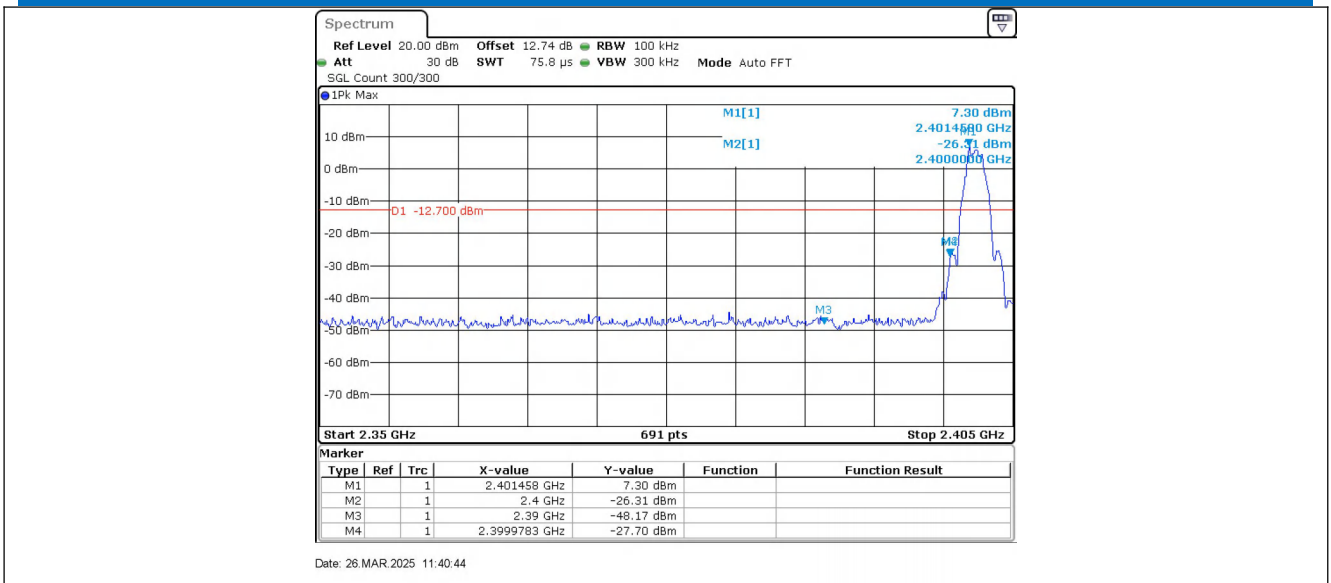
## 5.6 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10 2013
Test Setup:	 <p><i>Remark: Offset=Cable loss+ attenuation factor.</i></p>
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Mode:	Transmitting with GFSK modulation.
Test Results:	Pass

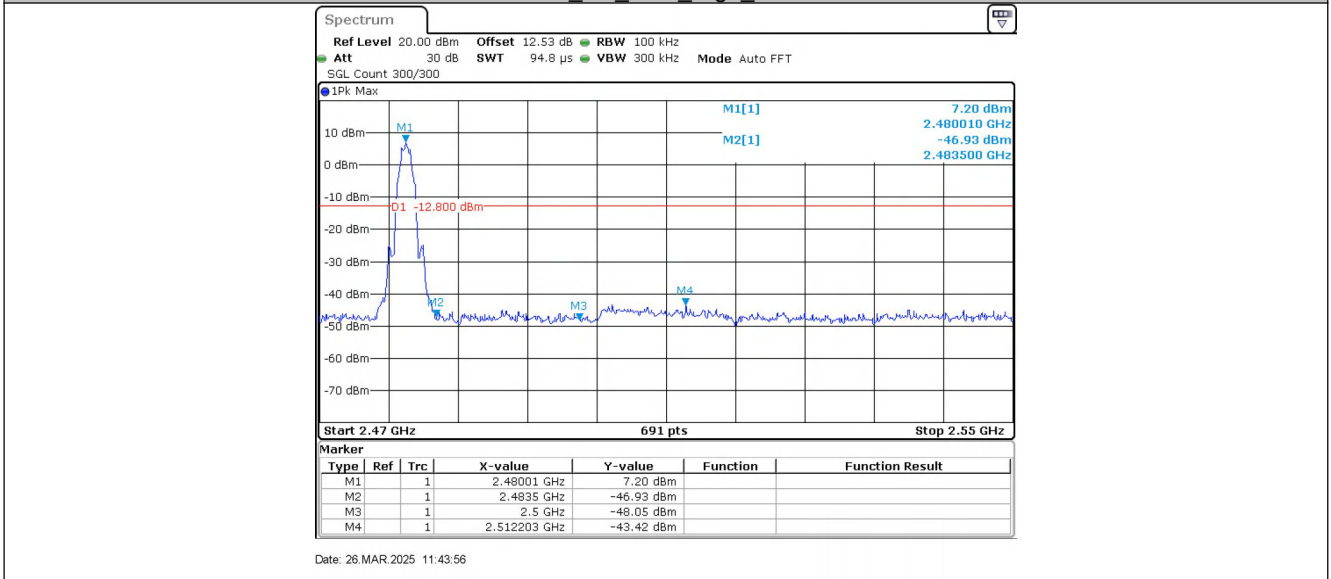
TestMode	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Low	2402	8.04	-44.02	≤-11.96	PASS
	High	2480	7.98	-43.38	≤-12.02	PASS
BLE_2M	Low	2402	7.30	-27.7	≤-12.7	PASS
	High	2480	7.20	-43.42	≤-12.8	PASS

Test plot as follows:

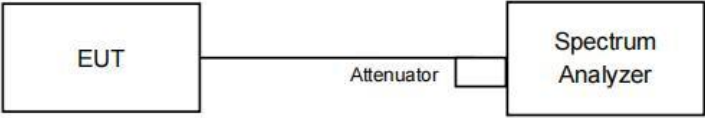




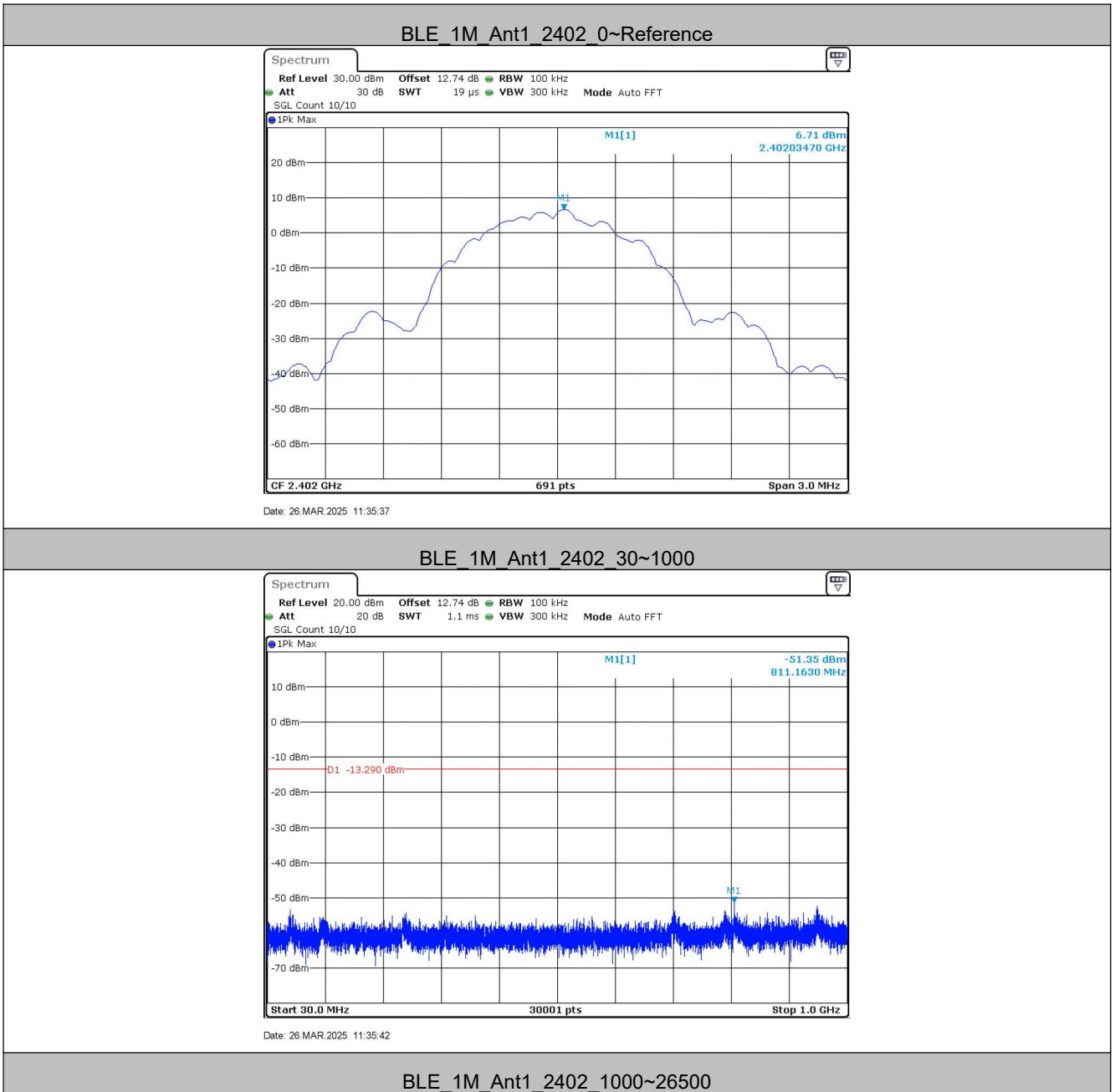
BLE 2M Ant1 High 2480

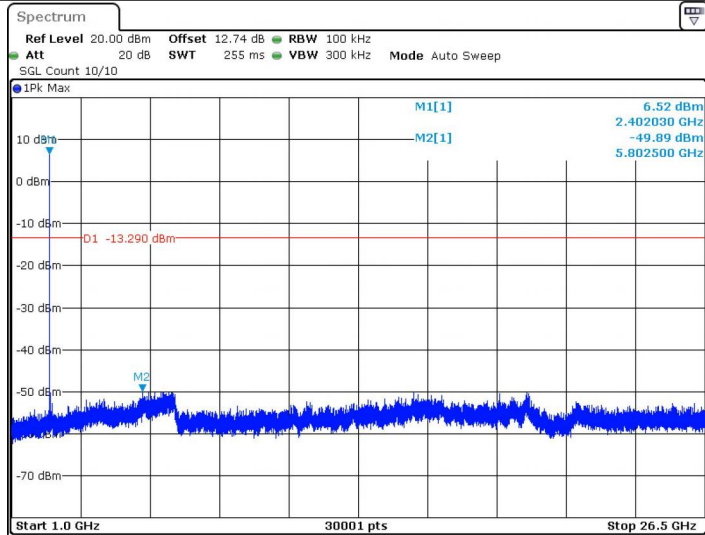


## 5.7 Spurious RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10 2013
Test Setup:	 <p><i>Remark: Offset=Cable loss+ attenuation factor.</i></p>
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Mode:	Transmitting with GFSK modulation.
Test Results:	Pass

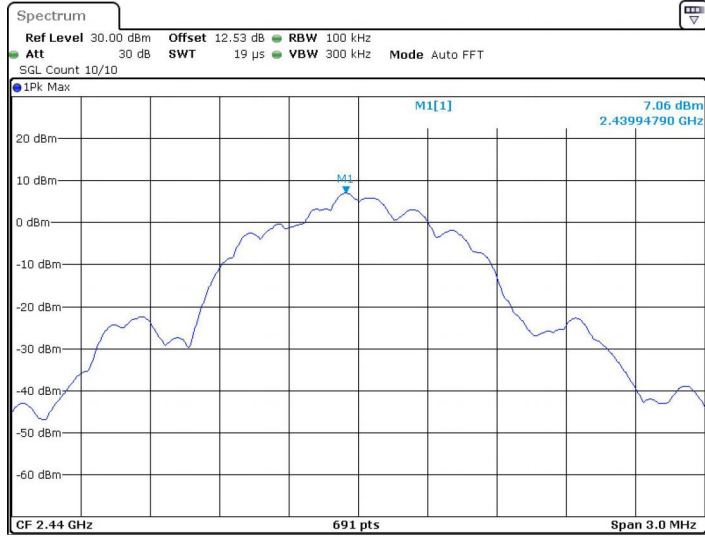
Test plot as follows:





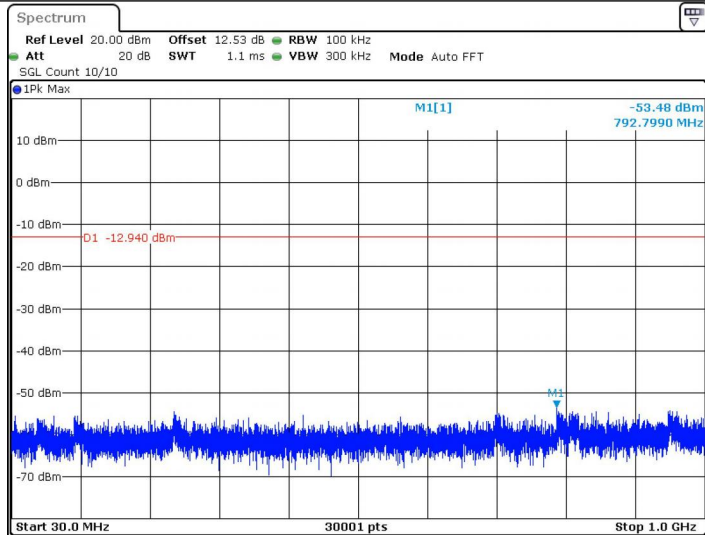
Date: 26 MAR 2025 11:35:53

BLE\_1M\_Ant1\_2440\_0~Reference



Date: 26 MAR 2025 11:36:54

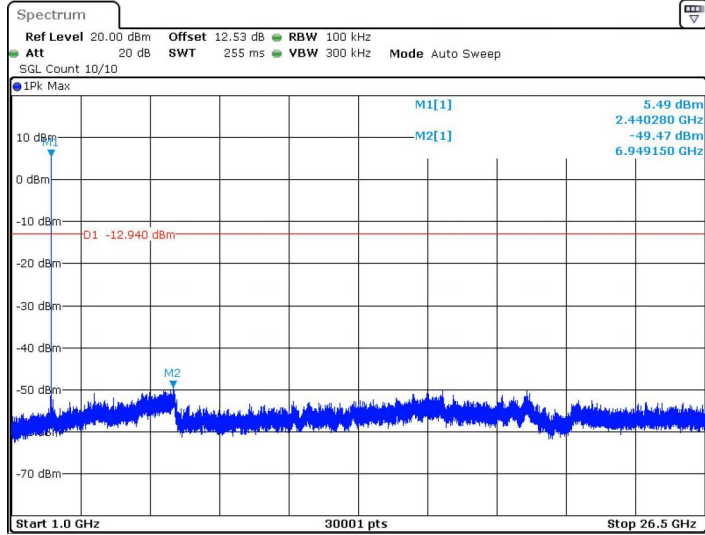
BLE\_1M\_Ant1\_2440\_30~1000



Date: 26 MAR 2025 11:36:58



BLE 1M Ant1 2440 1000~26500



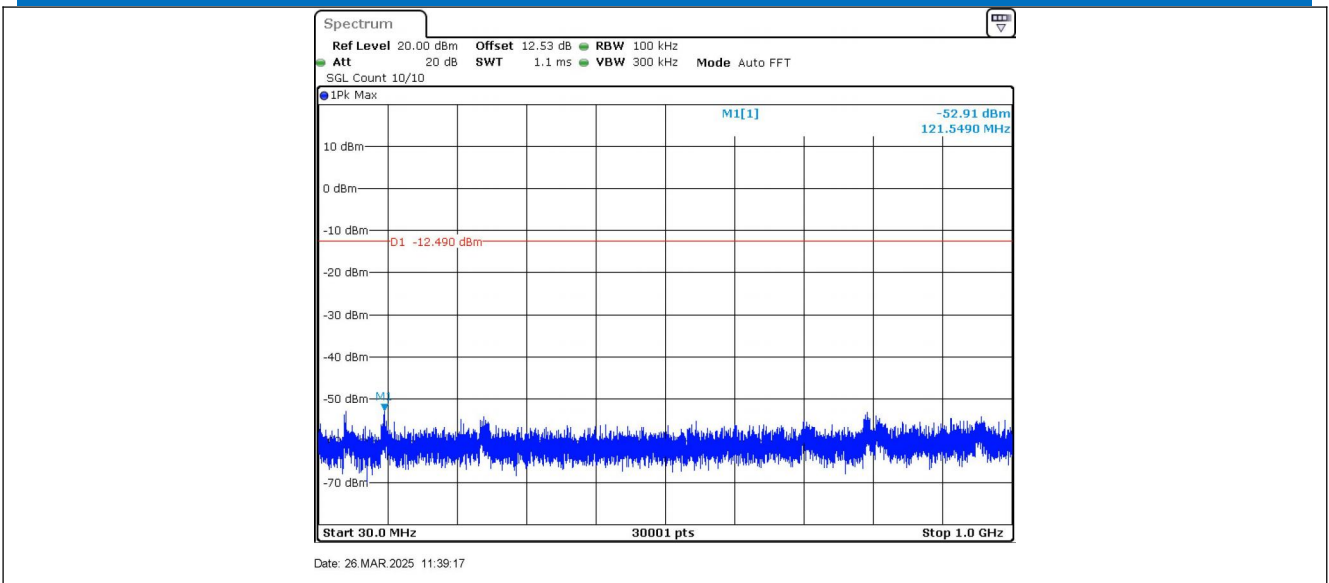
Date: 26.MAR.2025 11:37:09

BLE 1M Ant1 2480 0~Reference

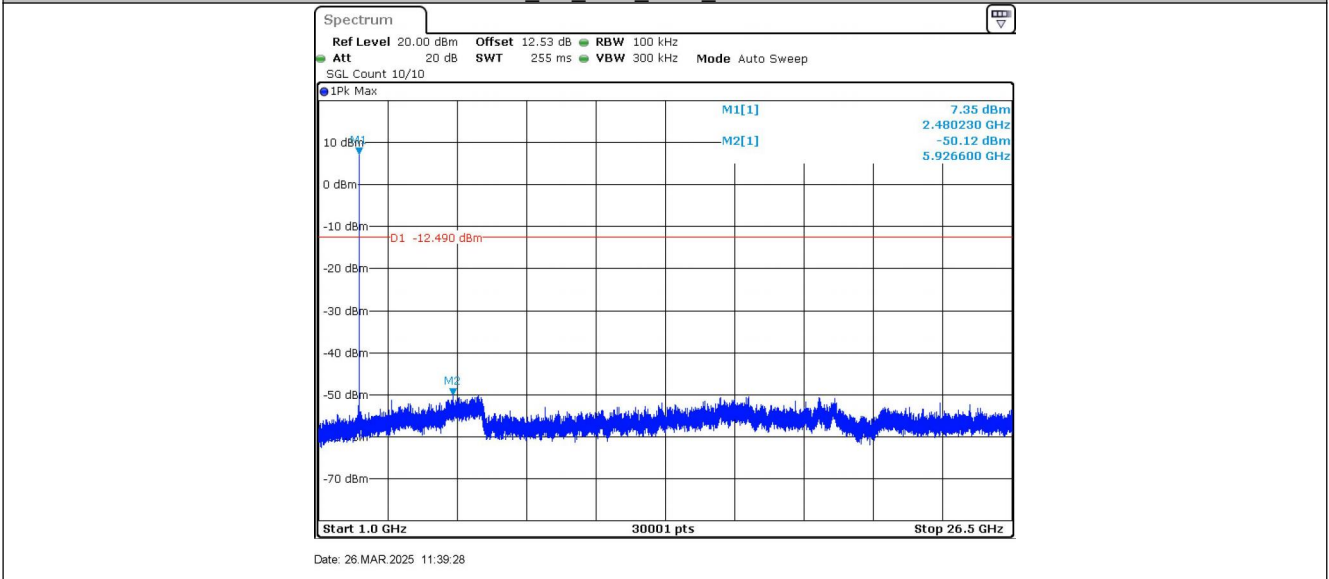


Date: 26.MAR.2025 11:39:13

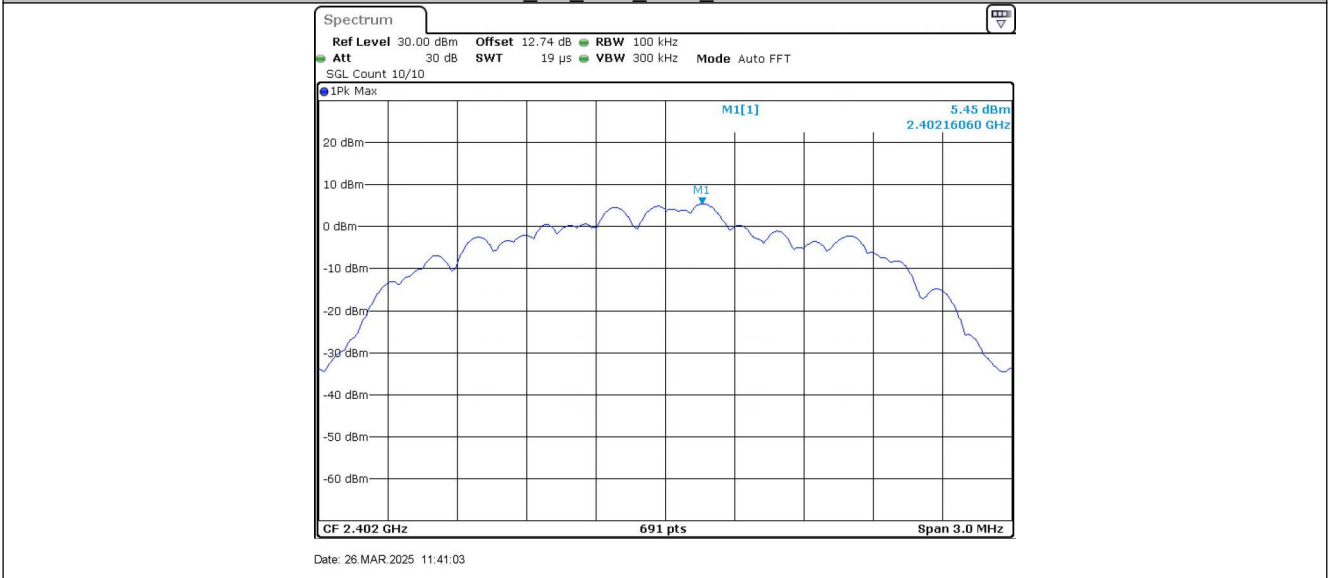
BLE 1M Ant1 2480 30~1000



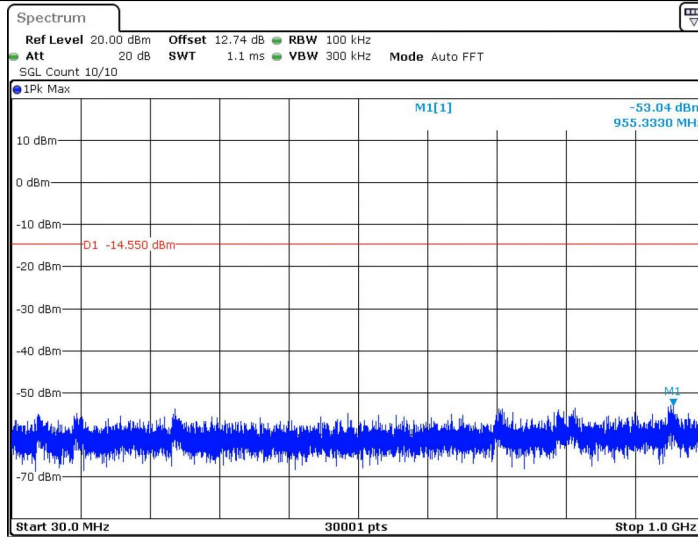
BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402 0~Reference

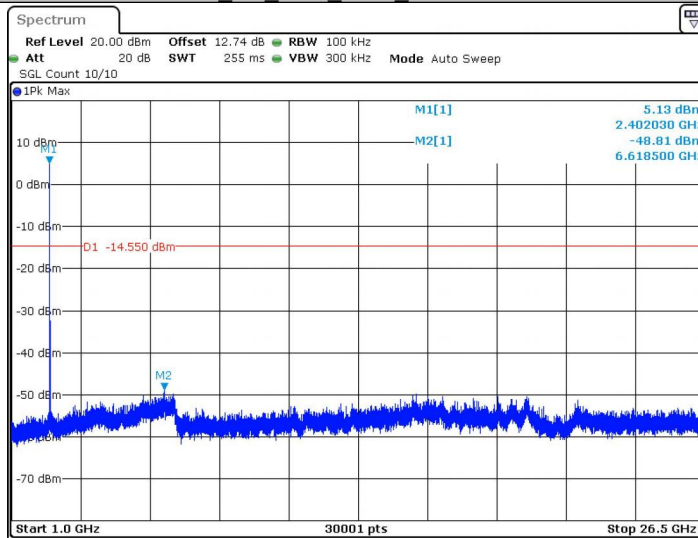


BLE 2M Ant1\_2402\_30~1000



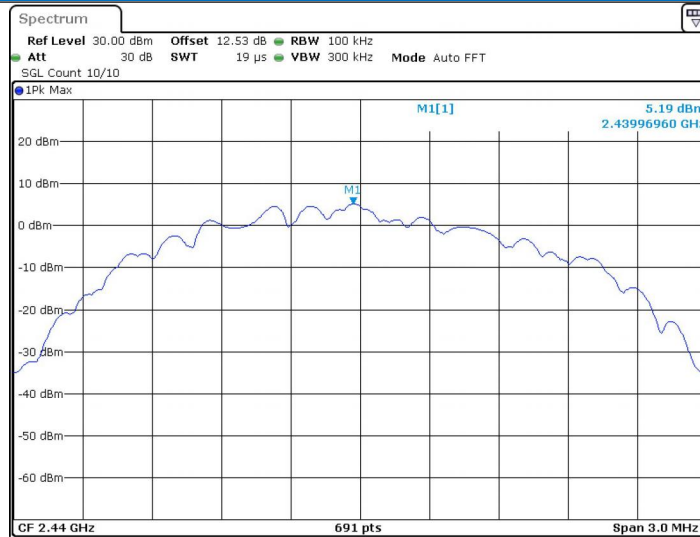
Date: 26.MAR.2025 11:41:07

BLE 2M Ant1\_2402\_1000~26500



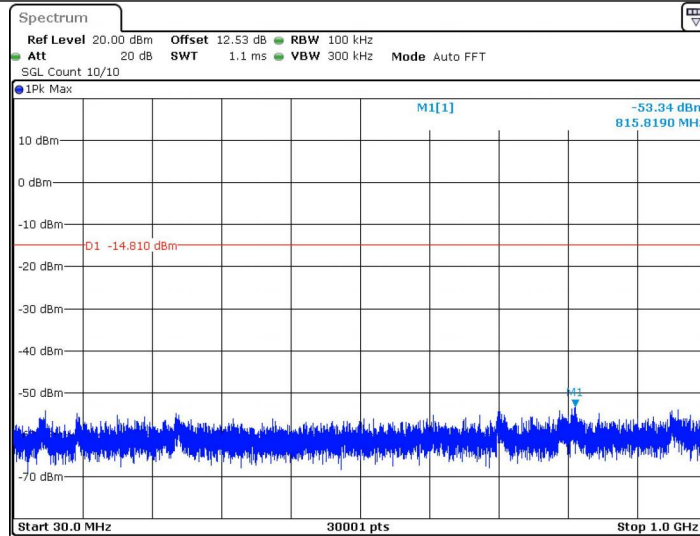
Date: 26.MAR.2025 11:41:18

BLE 2M Ant1\_2440\_0~Reference



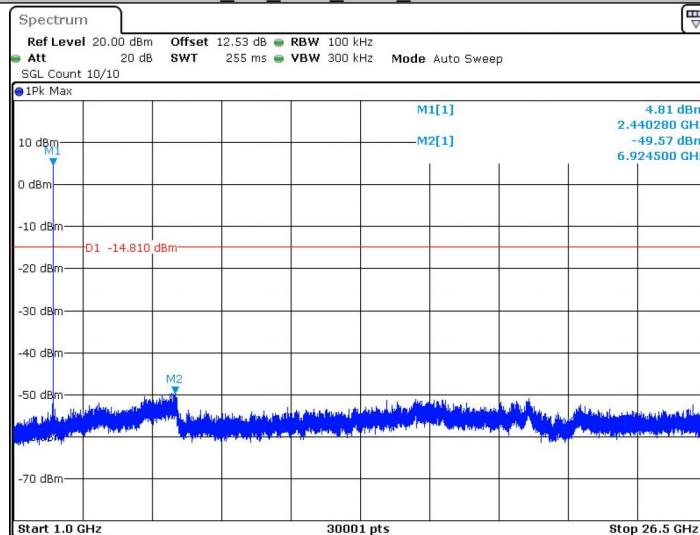
Date: 26 MAR 2025 11:42:34

BLE\_2M\_Ant1\_2440\_30~1000



Date: 26 MAR 2025 11:42:38

BLE\_2M\_Ant1\_2440\_1000~26500



Date: 26 MAR 2025 11:42:49