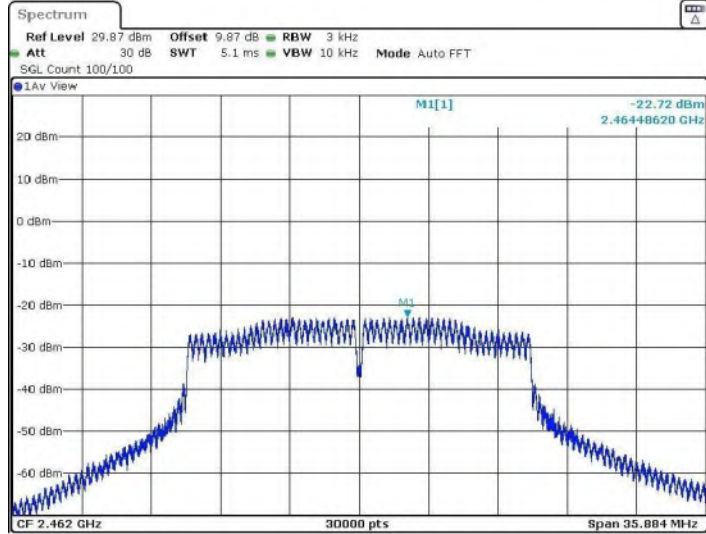
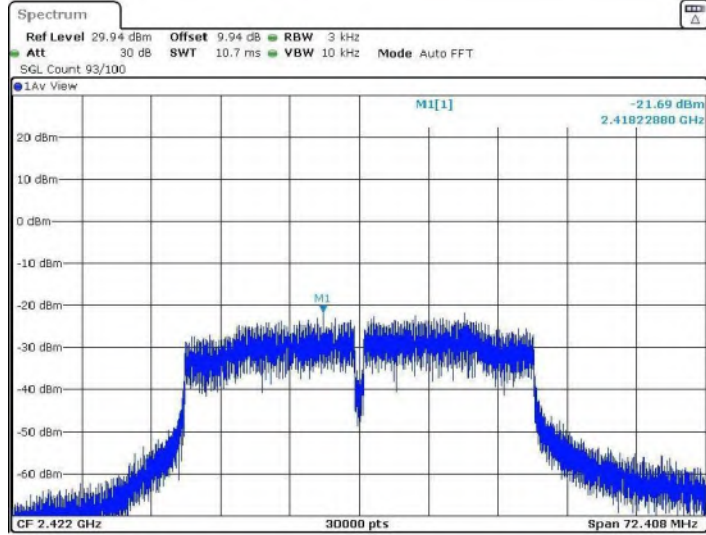


11N20SISO_Ant1_2462



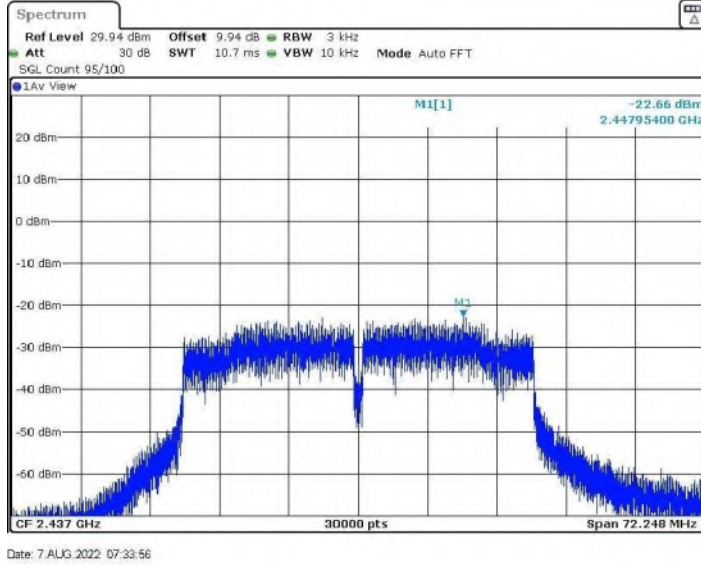
Date: 7 AUG 2022 07:28:30

11N40SISO_Ant1_2422

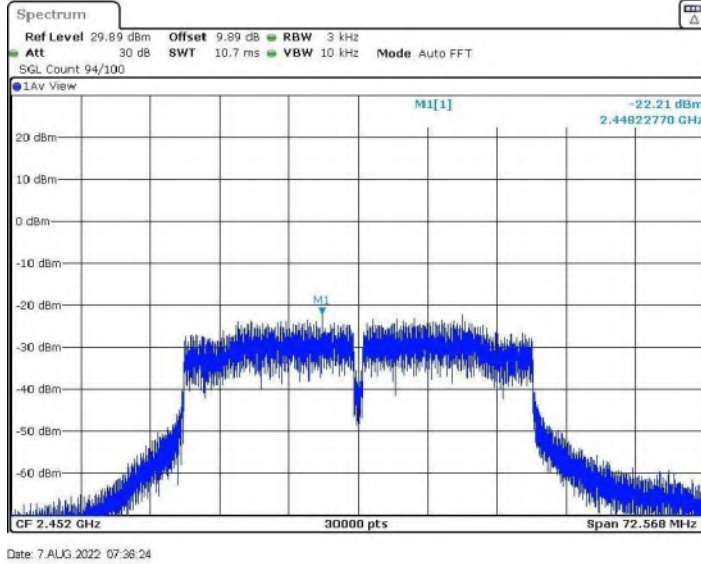


Date: 7 AUG 2022 07:31:11

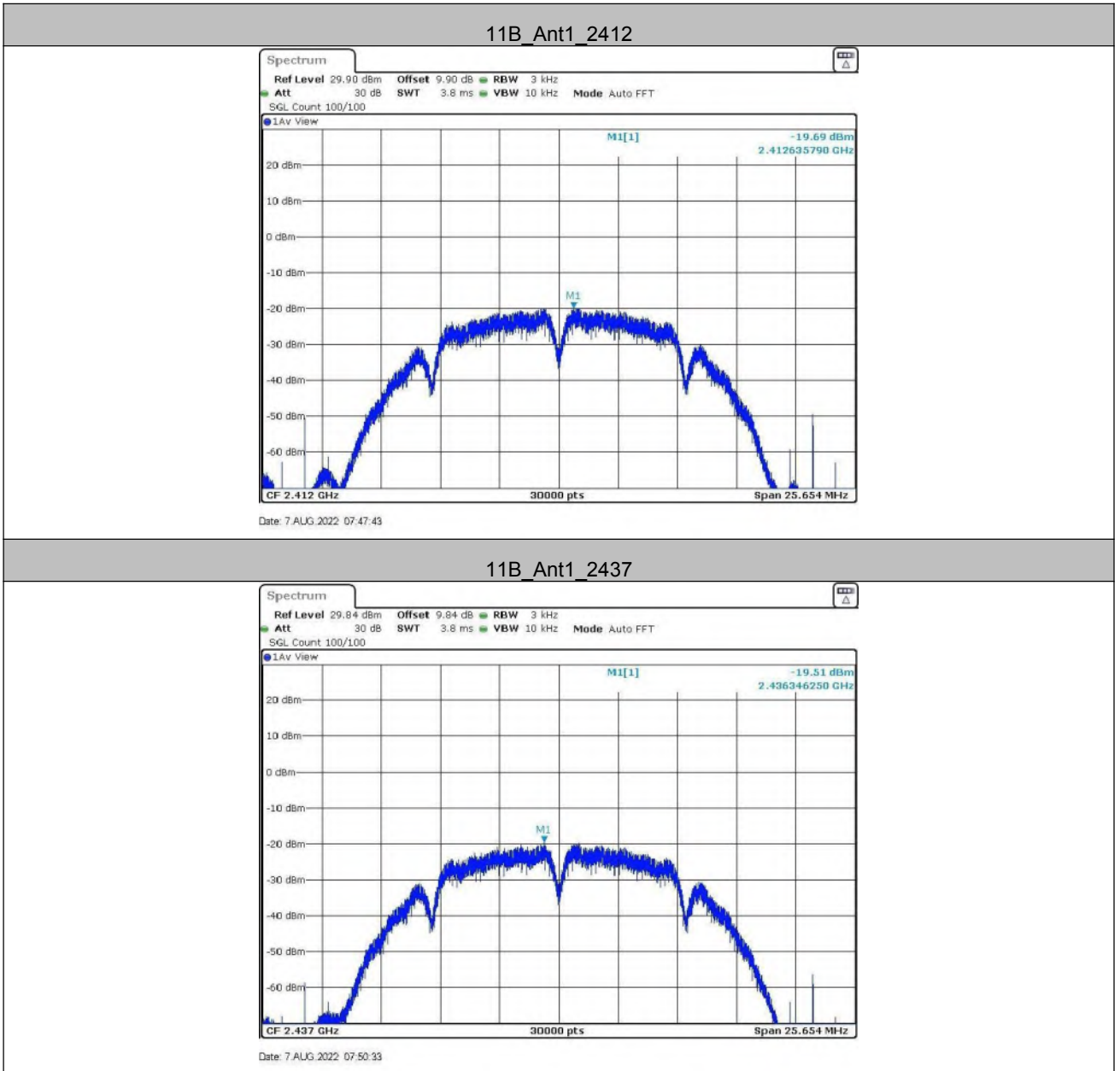
11N40SISO_Ant1_2437

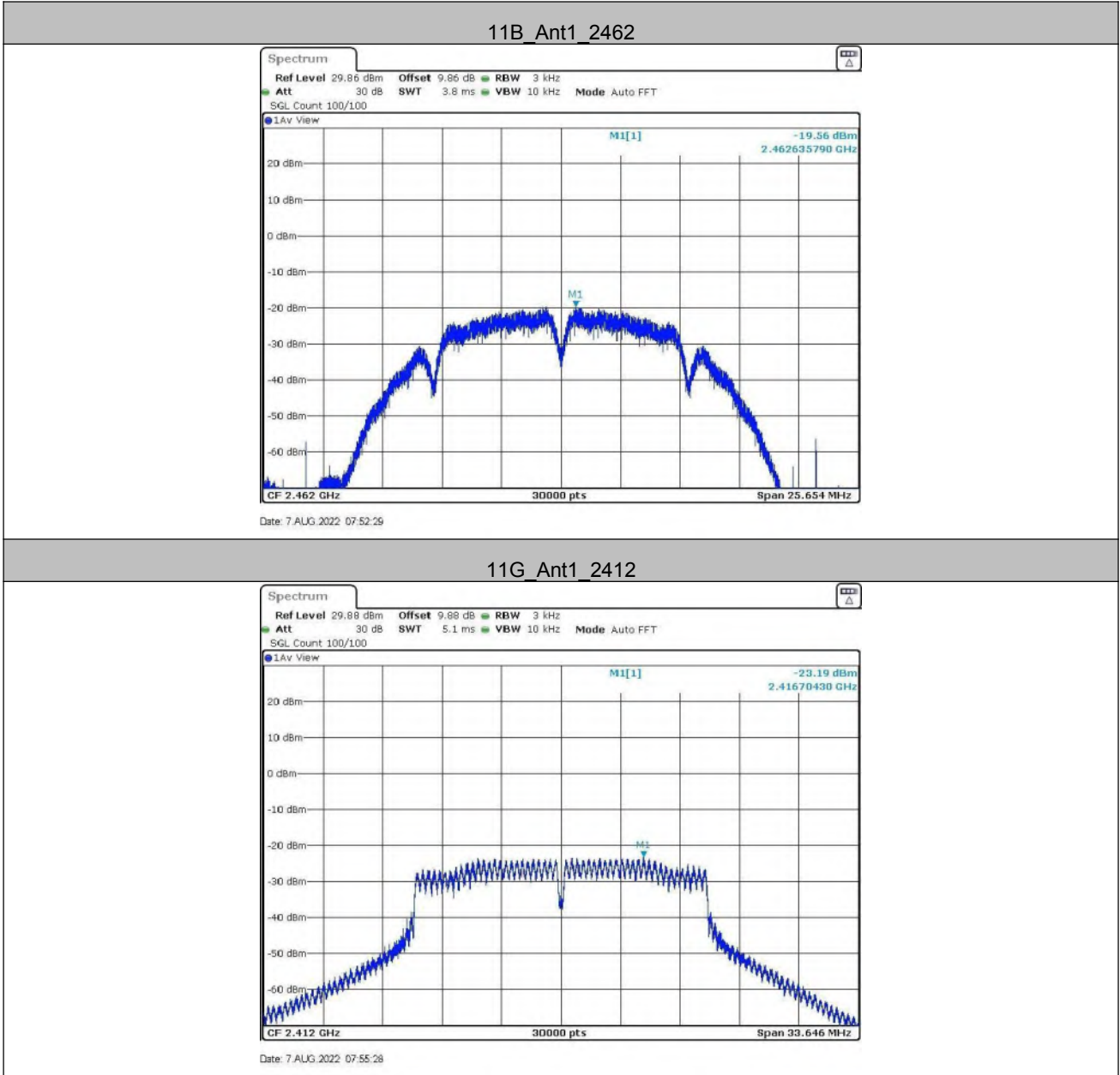


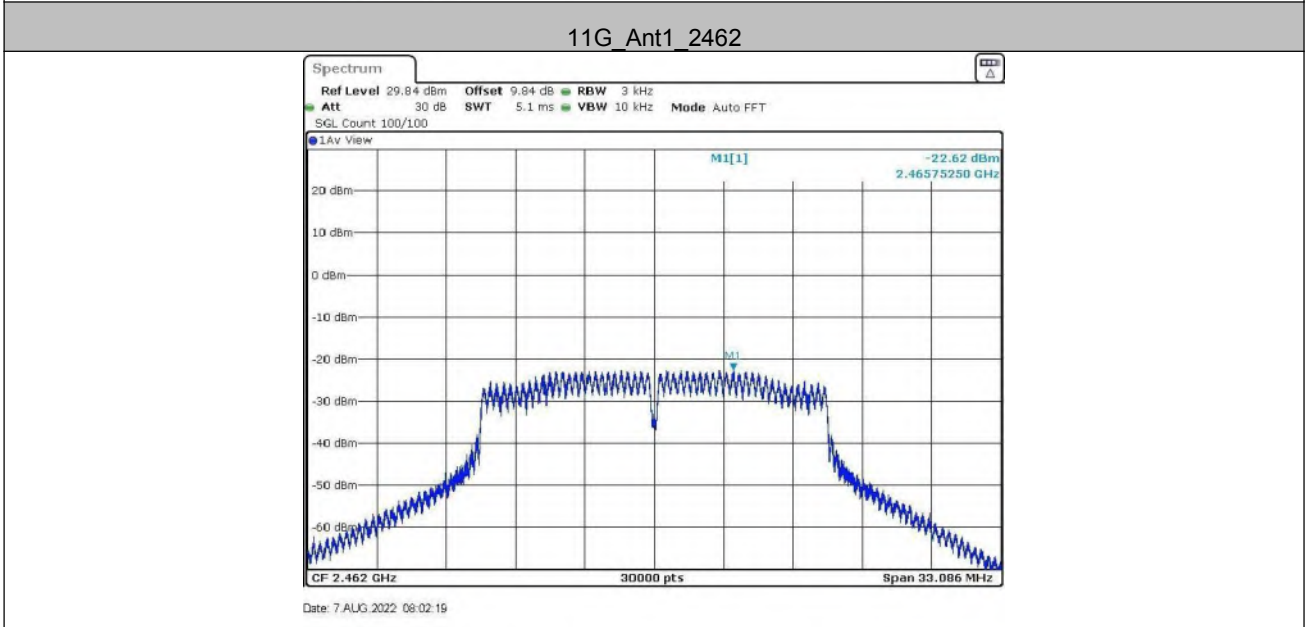
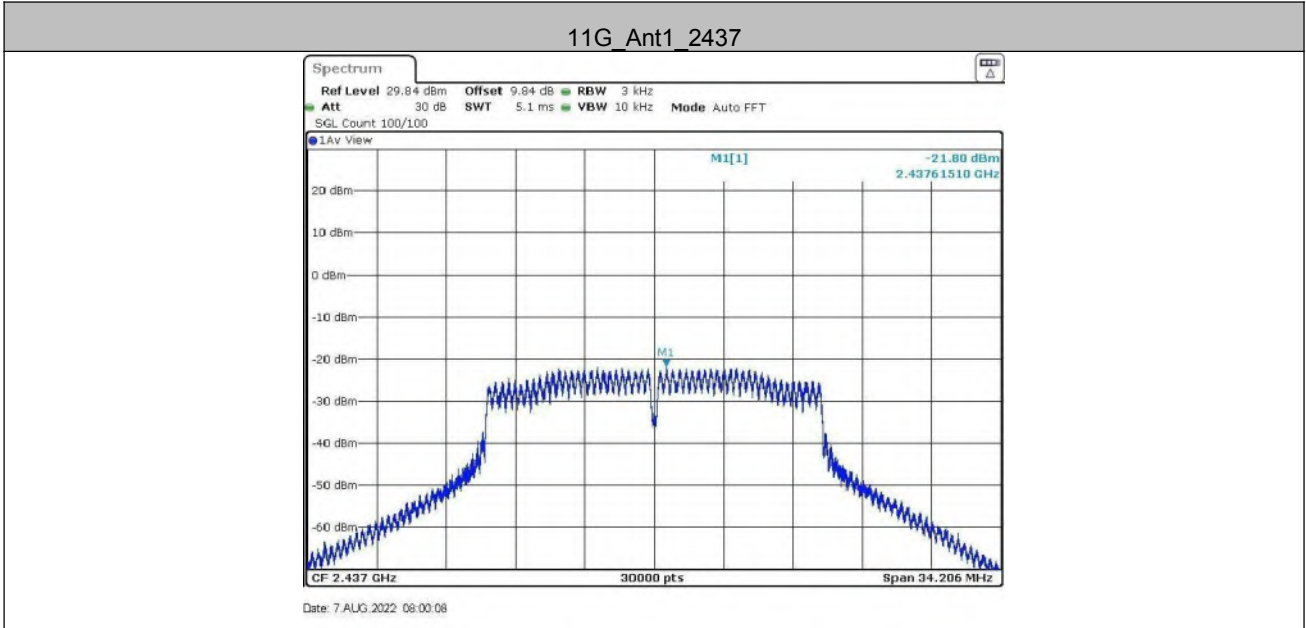
11N40SISO_Ant1_2452



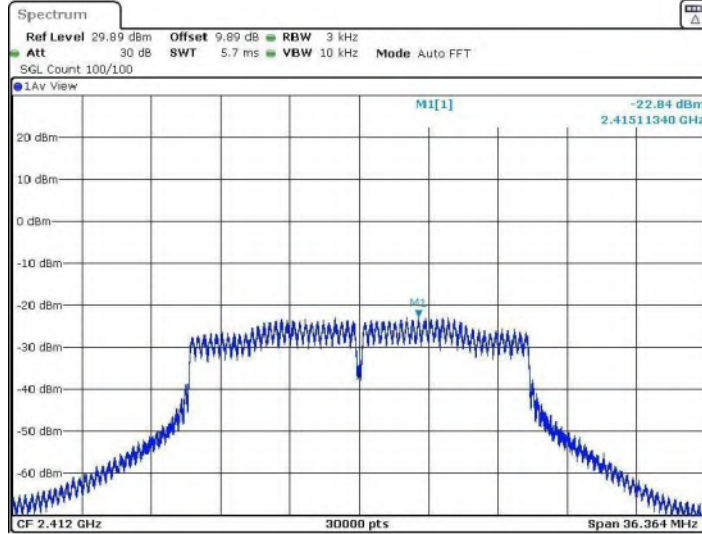
Ant2



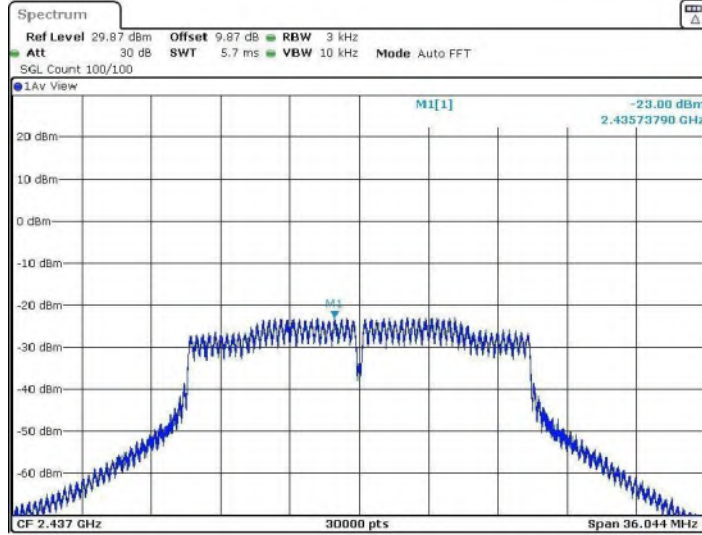




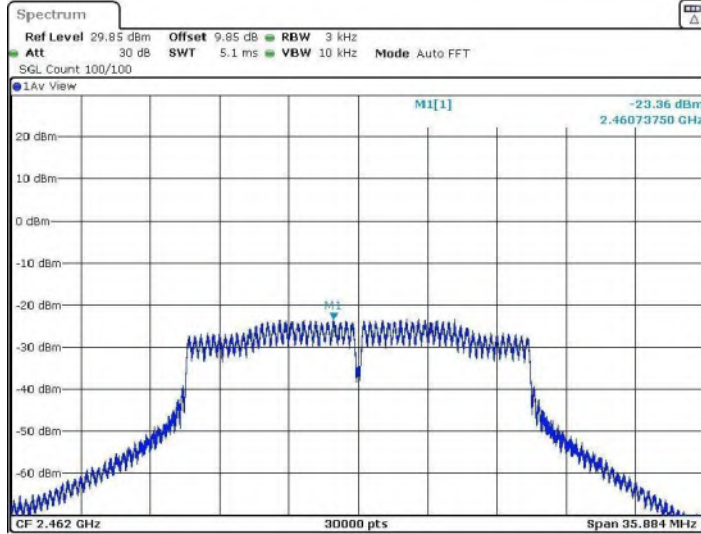
11N20SISO_Ant1_2412



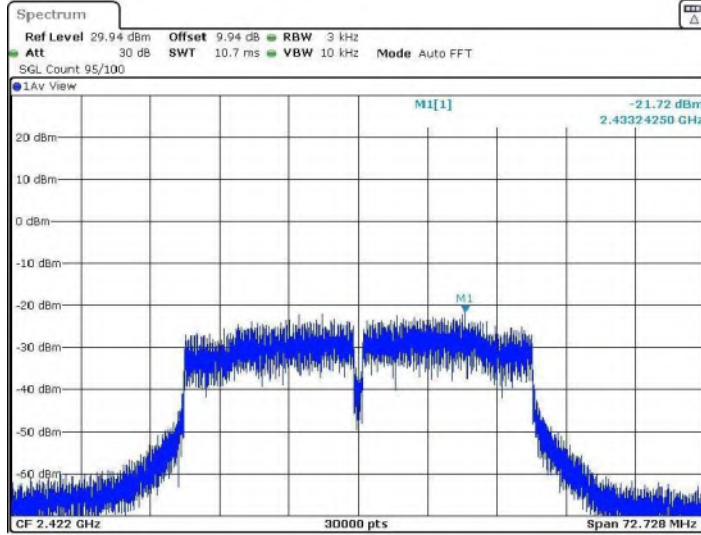
11N20SISO_Ant1_2437



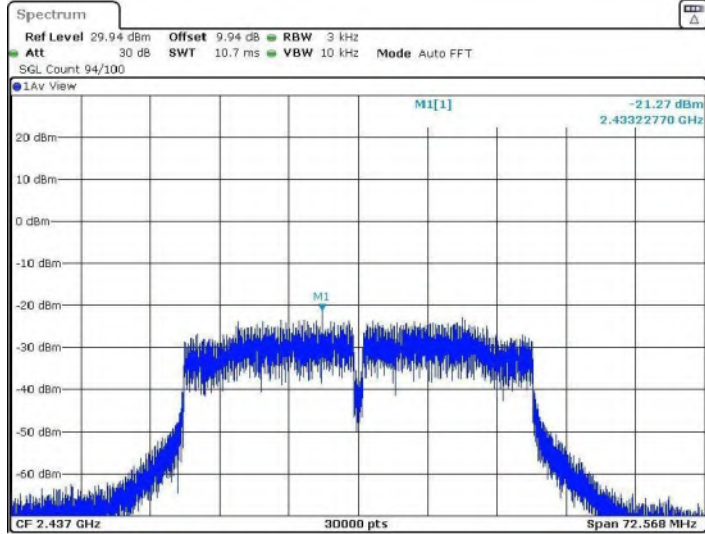
11N20SISO_Ant1_2462



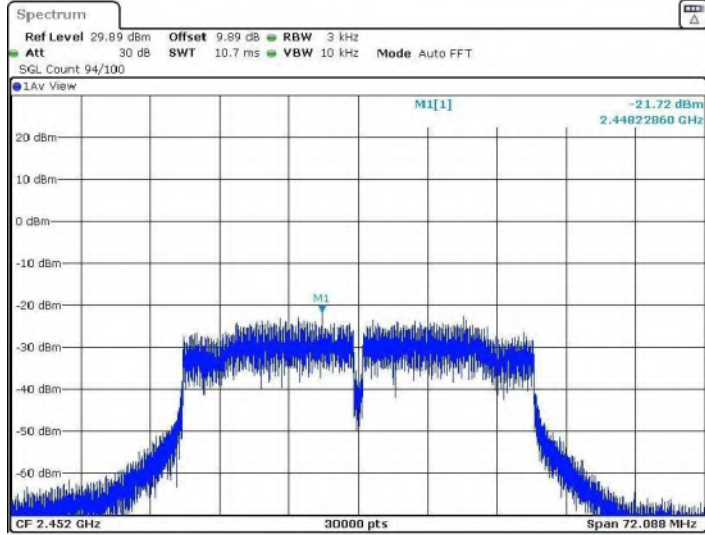
11N40SISO_Ant1_2422



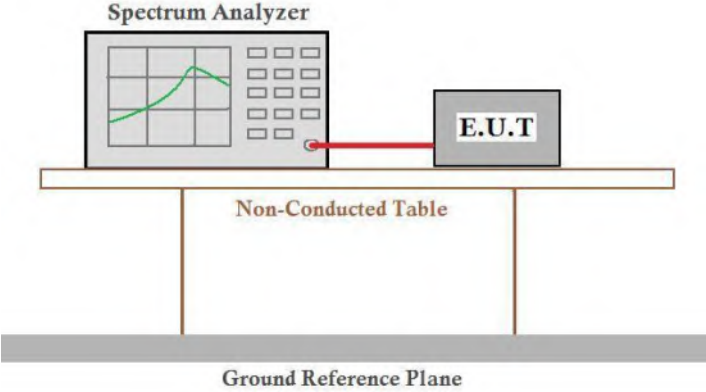
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



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>Offset=cable loss+ attenuation factor</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40). Only the worst case is recorded in the report.
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 Results:	Pass

Test Data:
Ant1

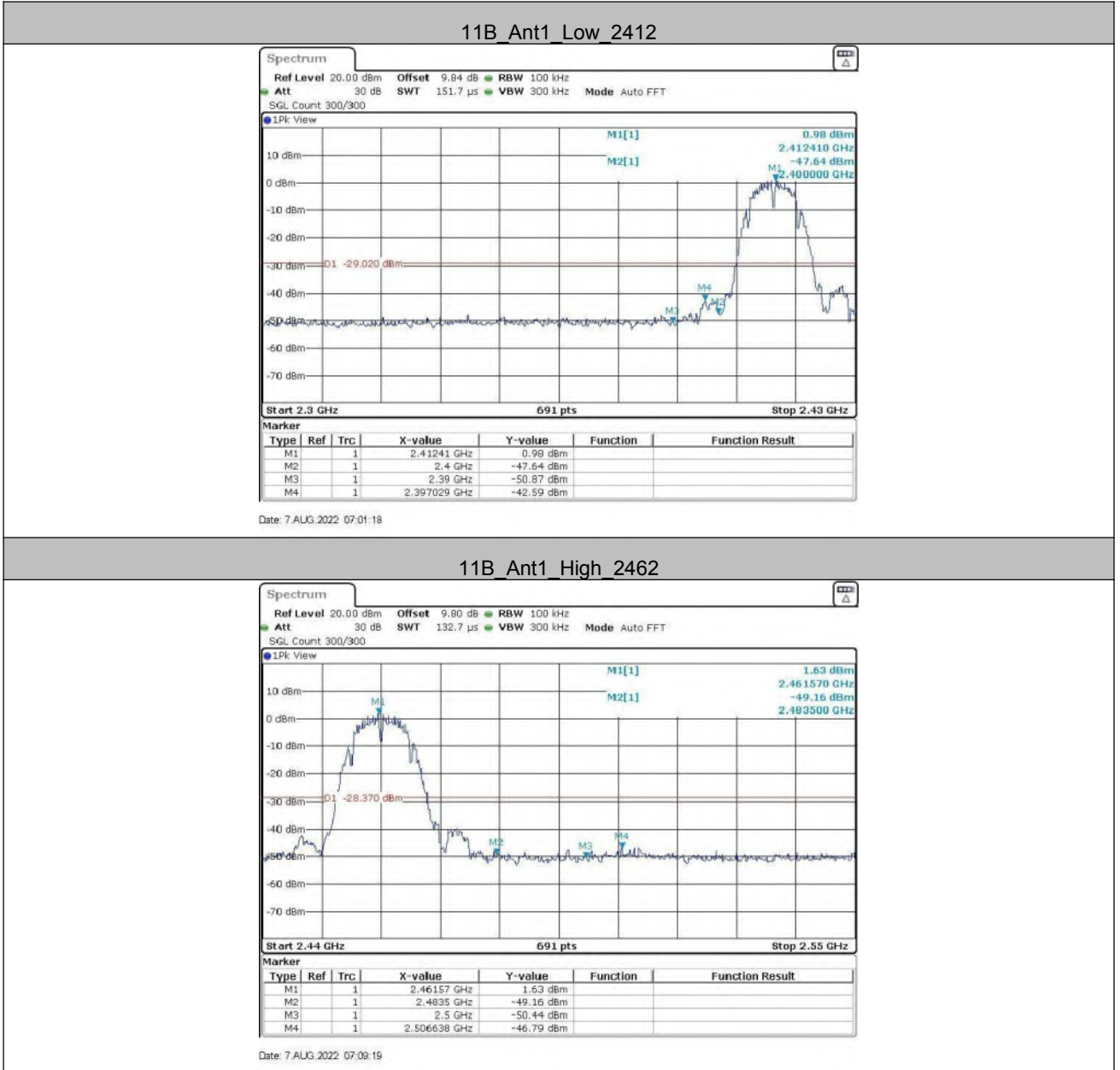
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.98	-42.59	≤-29.02	PASS
		High	2462	1.63	-46.79	≤-28.37	PASS
11G	Ant1	Low	2412	0.07	-31.26	≤-29.93	PASS
		High	2462	-2.17	-44.76	≤-32.17	PASS
11N20SISO	Ant1	Low	2412	-0.18	-32.29	≤-30.18	PASS
		High	2462	0.23	-43.89	≤-29.77	PASS
11N40SISO	Ant1	Low	2422	-3.03	-34.29	≤-33.03	PASS
		High	2452	-2.35	-35.97	≤-32.35	PASS

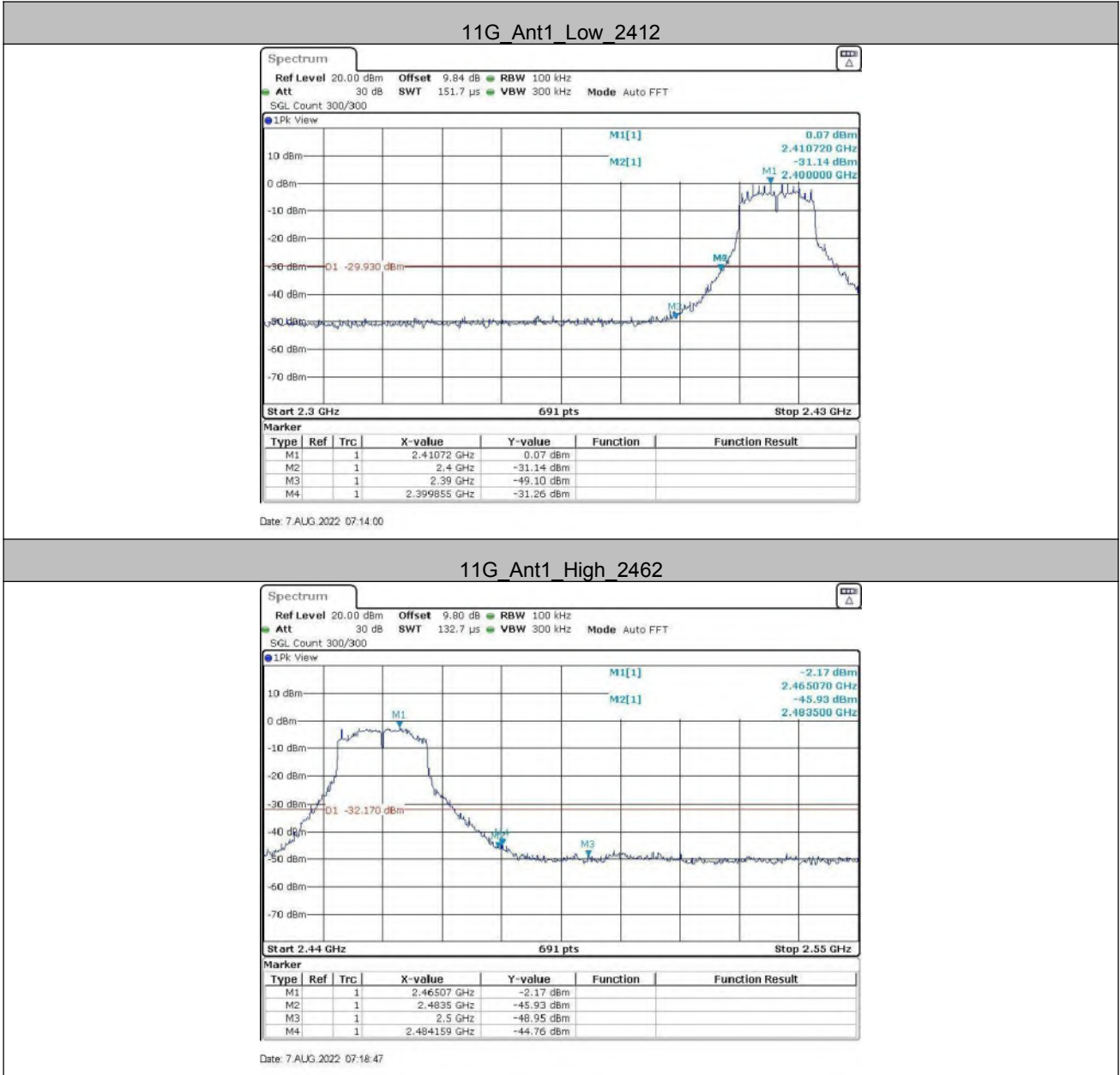
Ant2

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.09	-43.1	≤-30.09	PASS
		High	2462	0.16	-48.02	≤-29.84	PASS
11G	Ant1	Low	2412	-0.52	-31.74	≤-30.52	PASS
		High	2462	0.10	-47.42	≤-29.9	PASS
11N20SISO	Ant1	Low	2412	0.03	-31.5	≤-29.97	PASS
		High	2462	-0.11	-47.26	≤-30.11	PASS
11N40SISO	Ant1	Low	2422	-2.35	-34.96	≤-32.35	PASS
		High	2452	-2.64	-41.41	≤-32.64	PASS

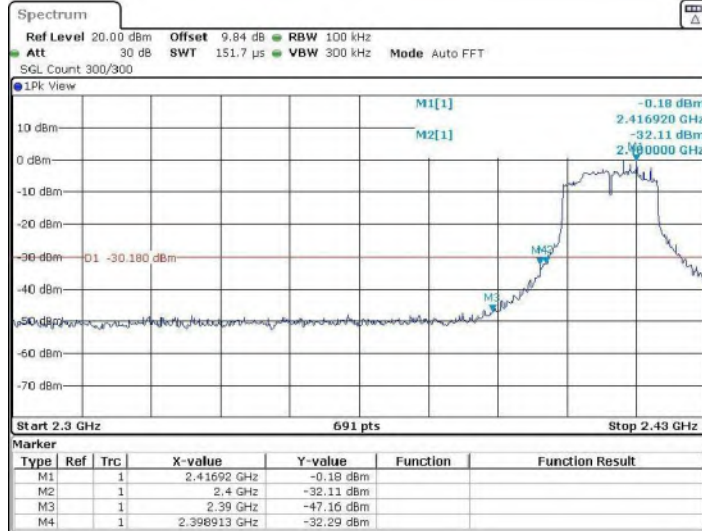
Test plot as follows:

Ant1



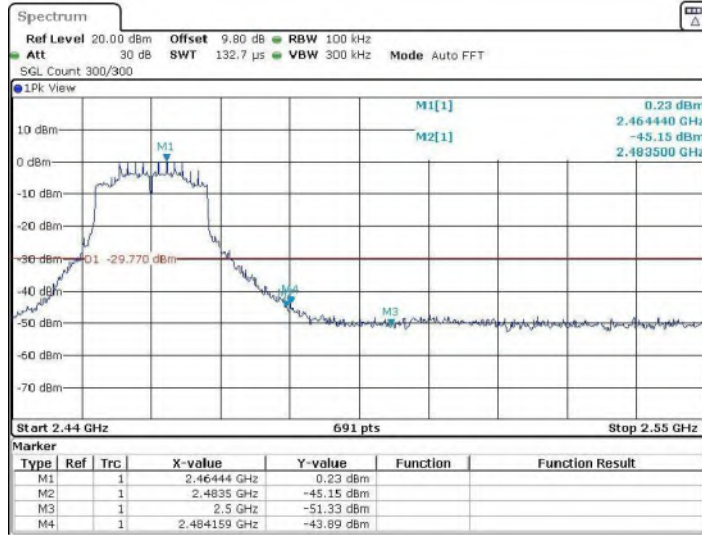


11N20SISO_Ant1_Low_2412



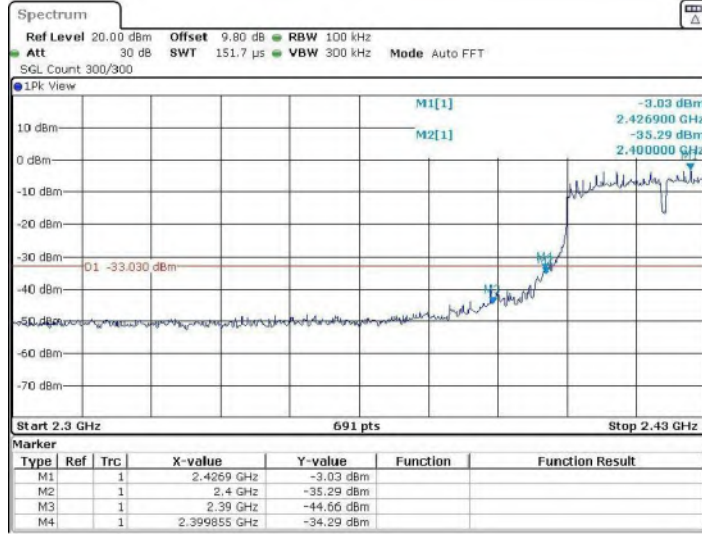
Date: 7 AUG 2022 07:22:49

11N20SISO_Ant1_High_2462



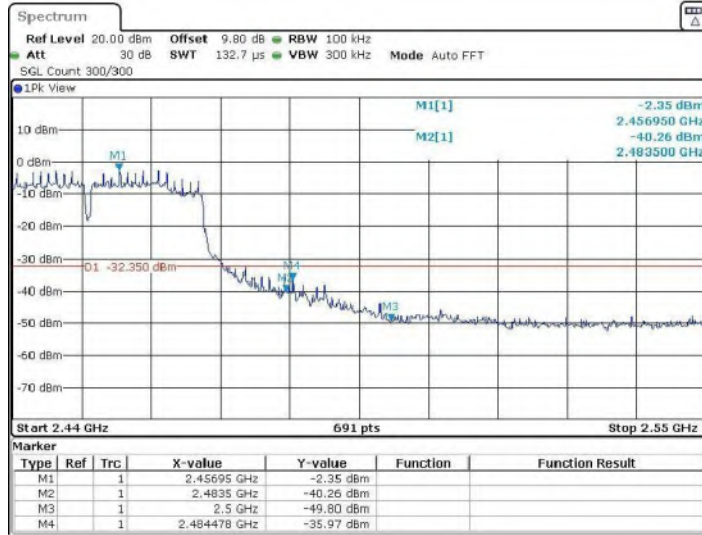
Date: 7 AUG 2022 07:28:40

11N40SISO_Ant1_Low_2422



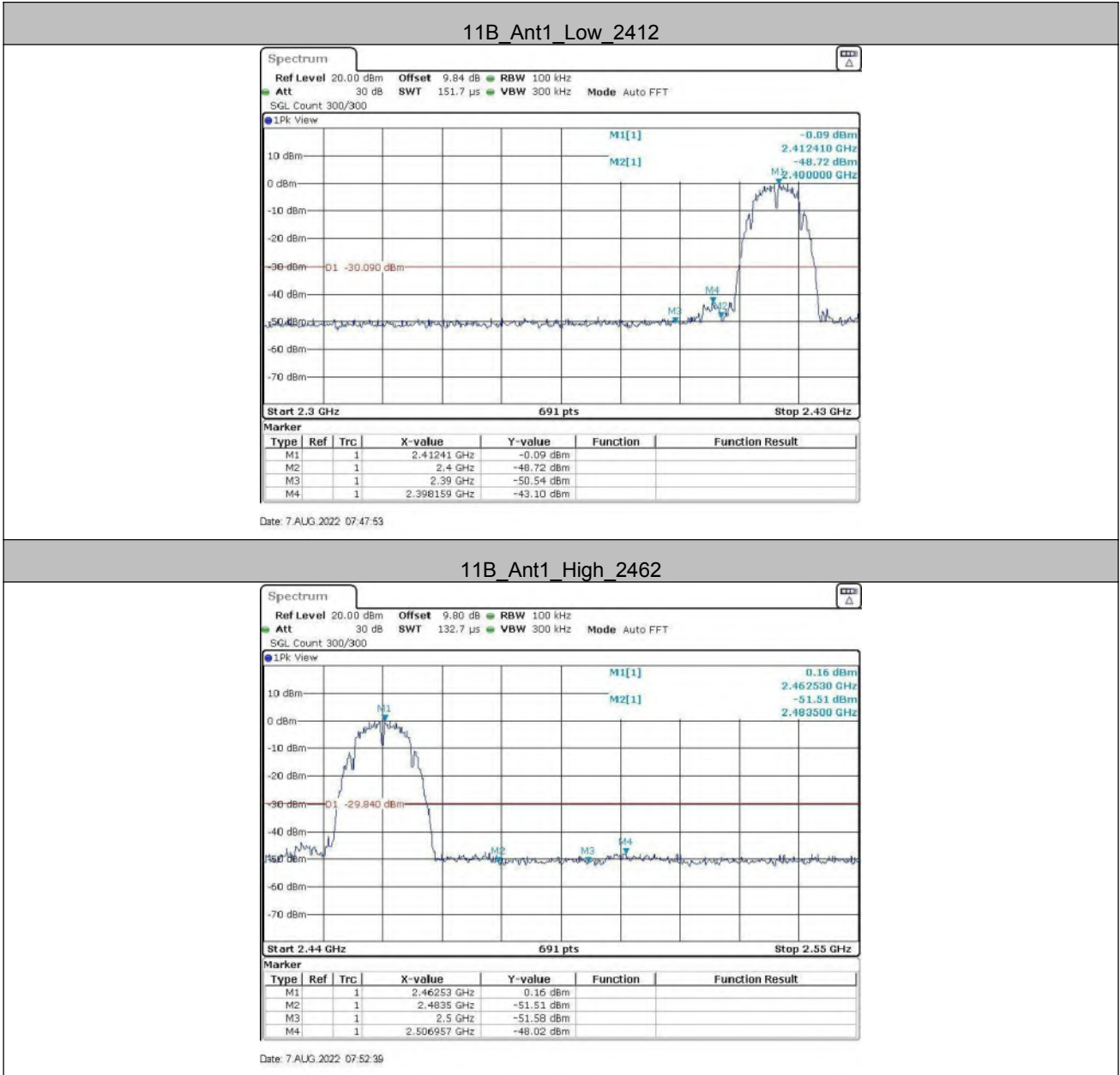
Date: 7 AUG 2022 07:31:21

11N40SISO_Ant1_High_2452

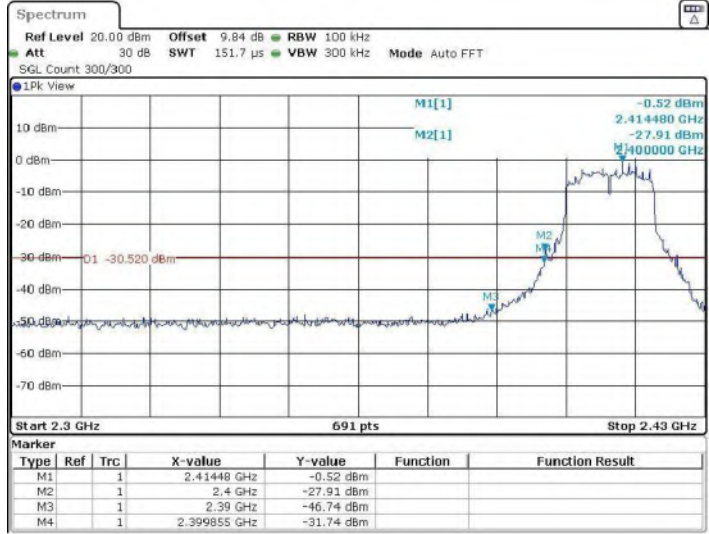


Date: 7 AUG 2022 07:38:00

Ant2

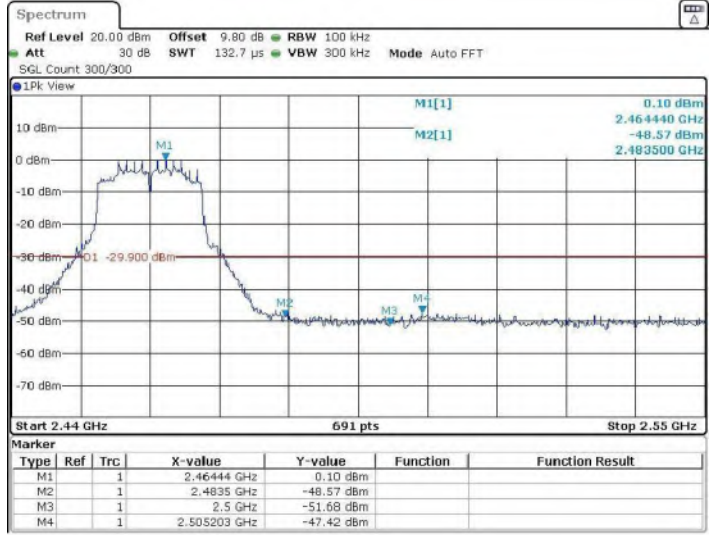


11G_Ant1_Low_2412



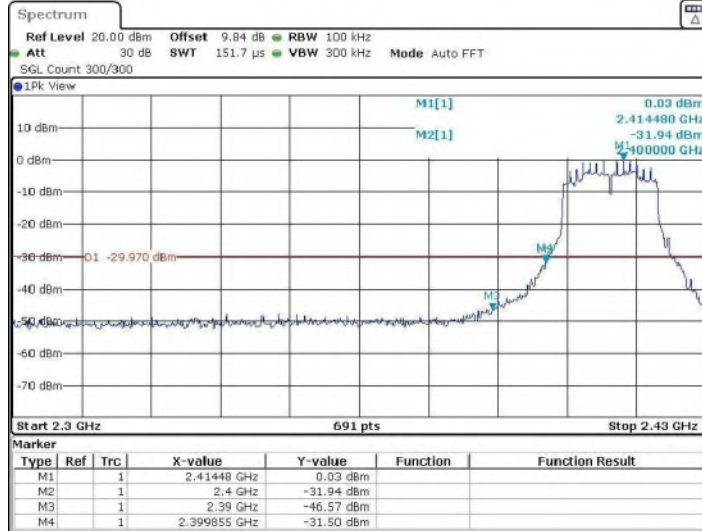
Date: 7 AUG 2022 07:57:25

11G_Ant1_High_2462



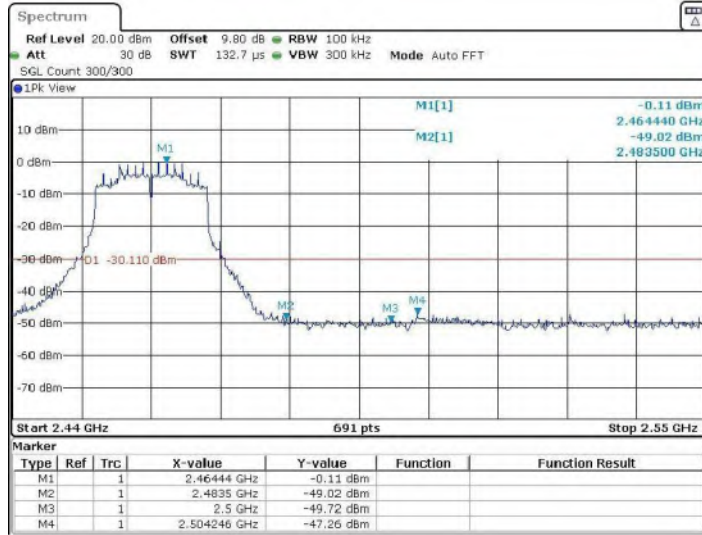
Date: 7 AUG 2022 08:02:29

11N20SISO_Ant1_Low_2412



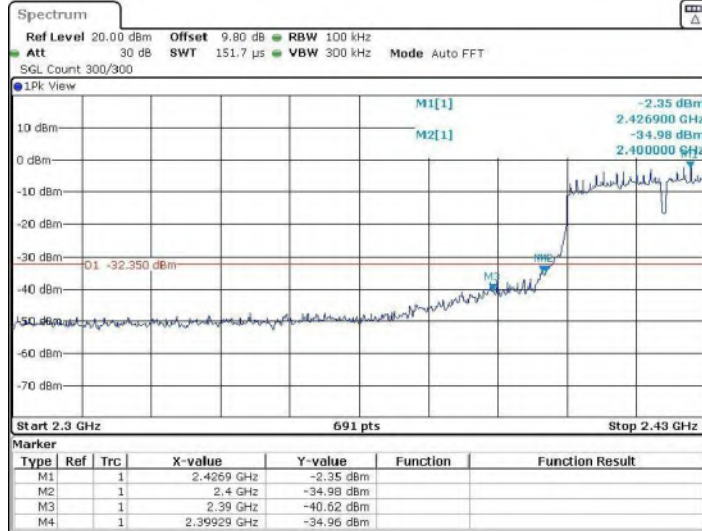
Date: 7 AUG 2022 08:05:24

11N20SISO_Ant1_High_2462



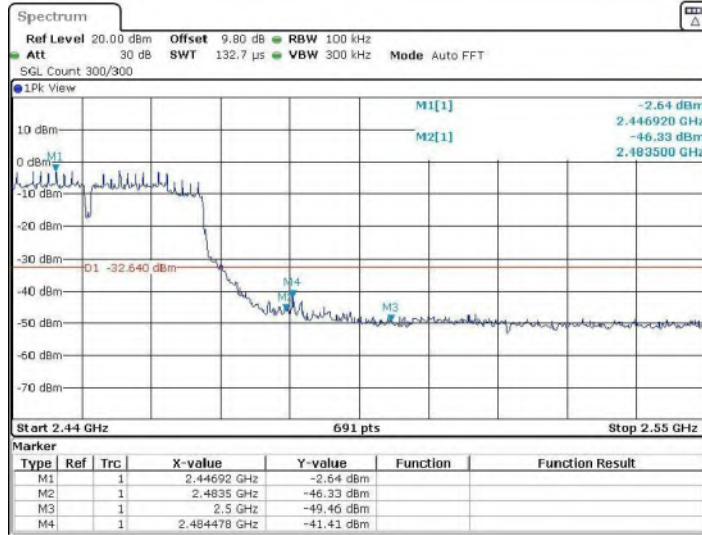
Date: 7 AUG 2022 08:10:06

11N40SISO_Ant1_Low_2422



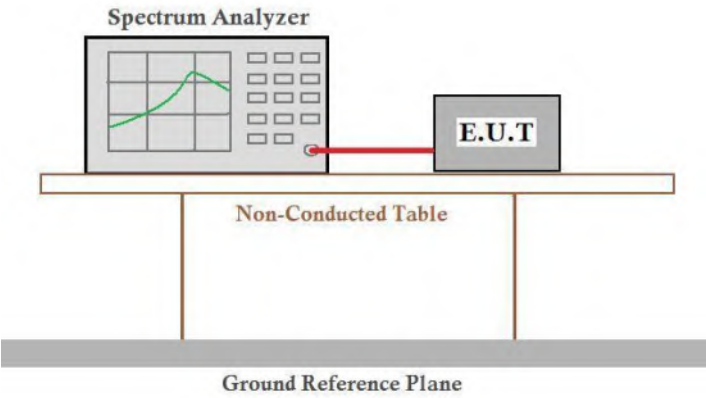
Date: 7 AUG 2022 08:12:56

11N40SISO_Ant1_High_2452



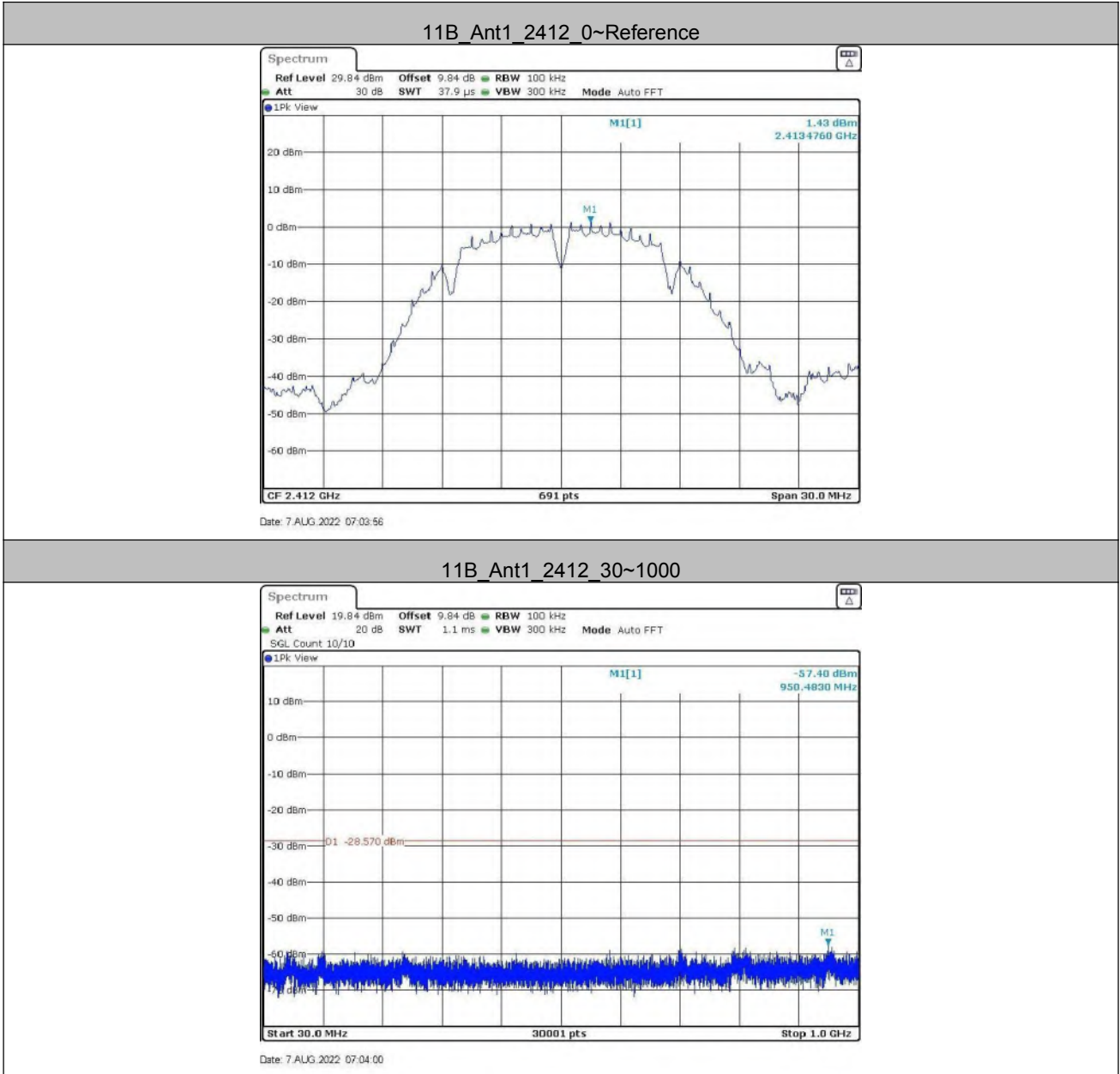
Date: 7 AUG 2022 08:19:08

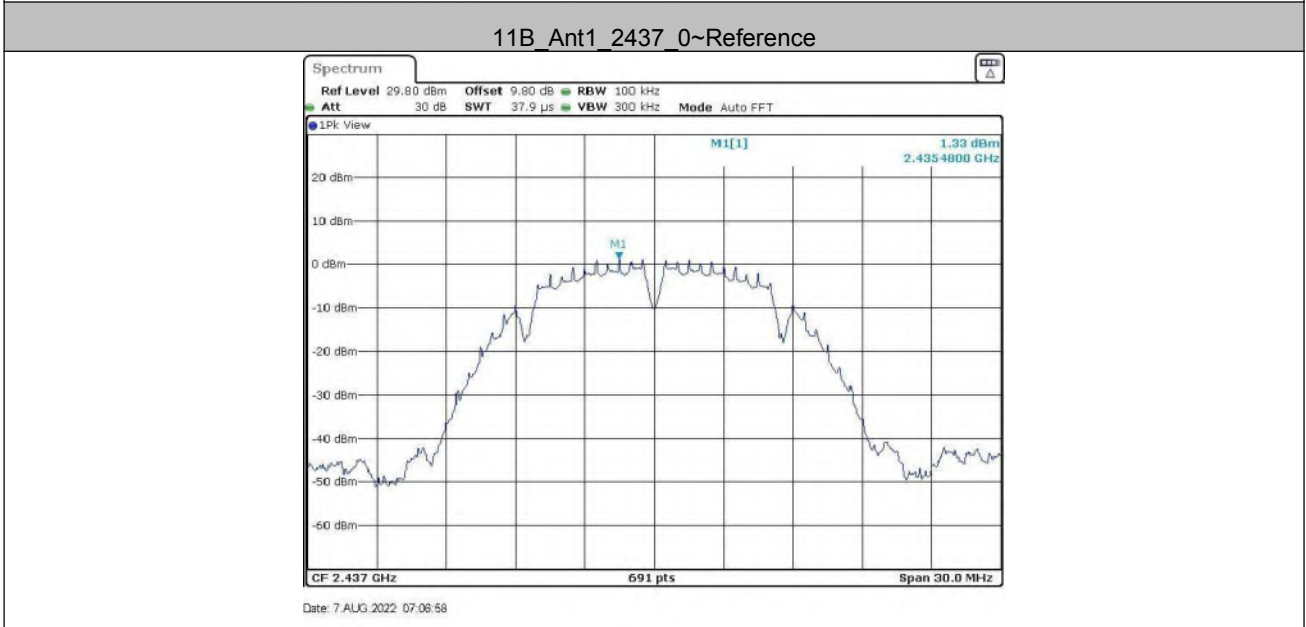
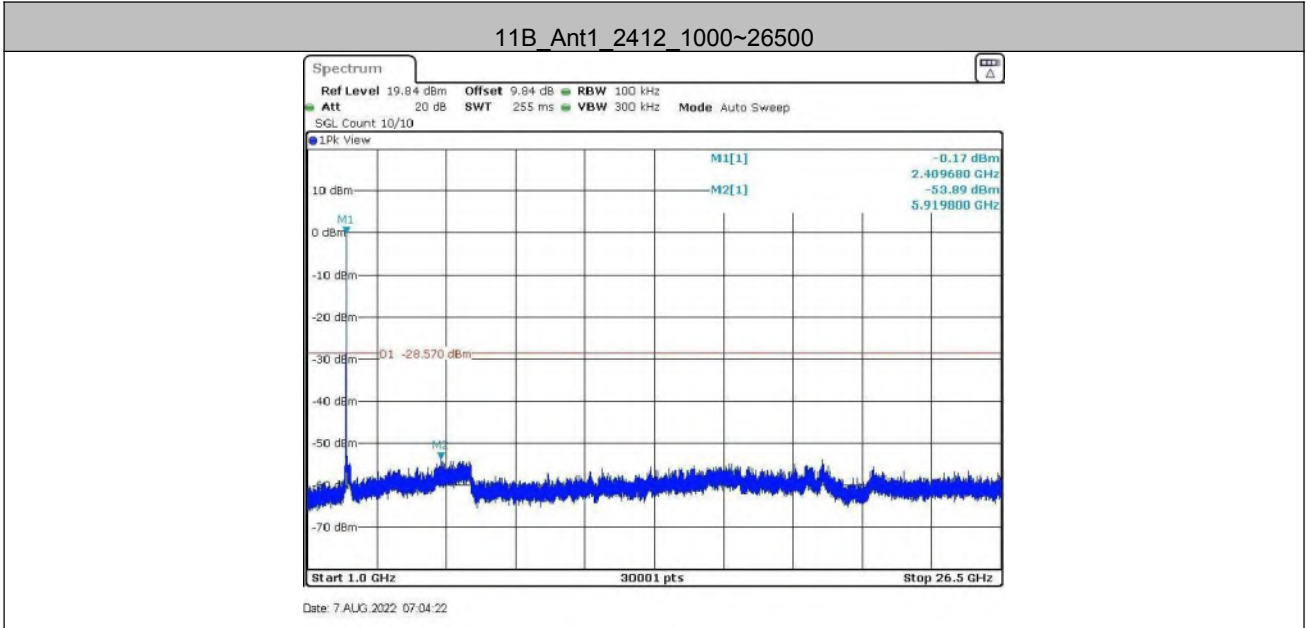
5.7 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>The diagram illustrates the test setup for RF conducted spurious emissions. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by two vertical legs. Below the table is a Ground Reference Plane, represented by a thick grey bar.</p> <p>Offset=cable loss+ attenuation factor</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40). Only the worst case is recorded in the report.
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 Results:	Pass

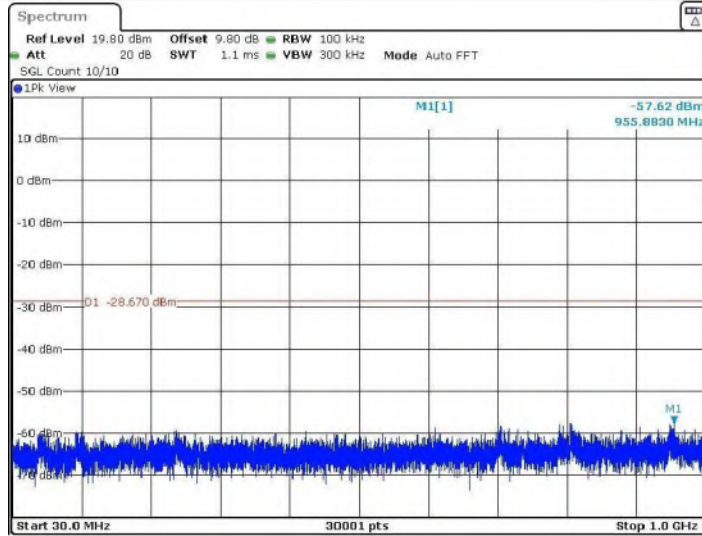
Test plot as follows:

Ant1



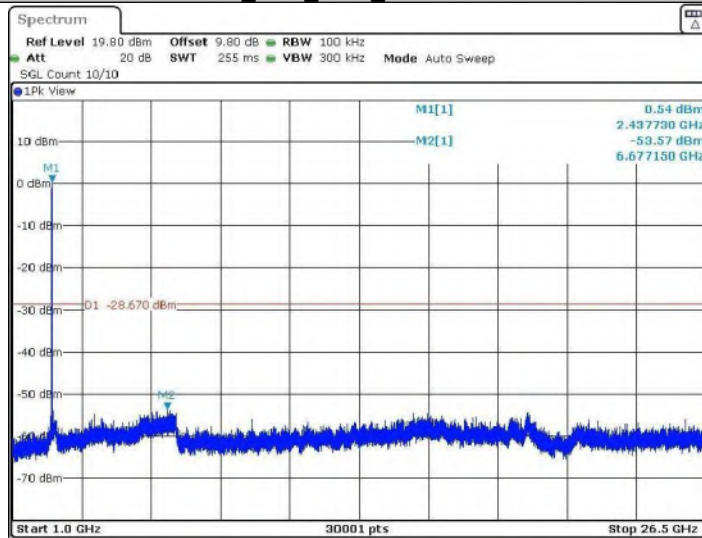


11B_Ant1_2437_30~1000



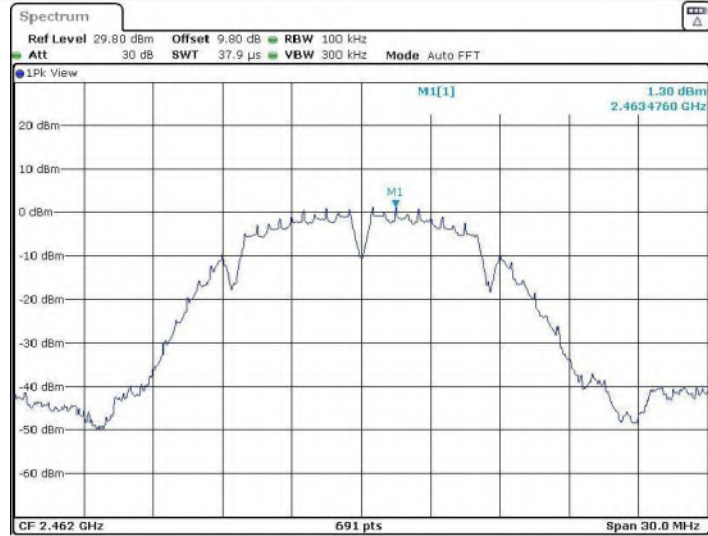
Date: 7 AUG 2022 07:07:02

11B_Ant1_2437_1000~26500

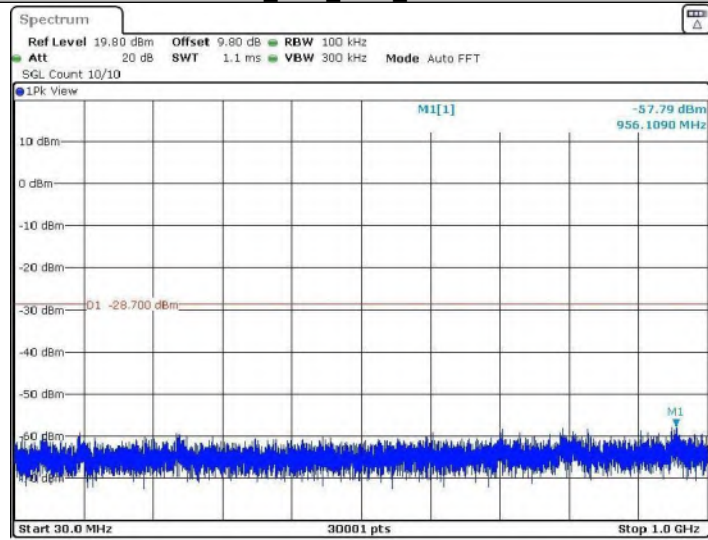


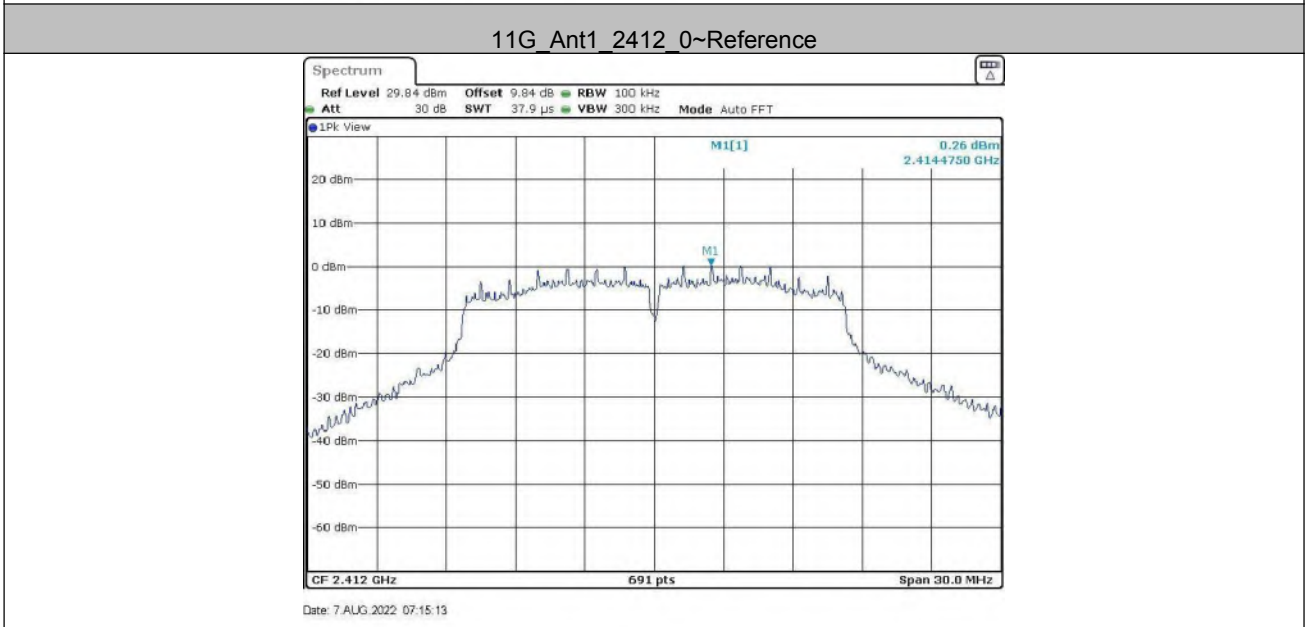
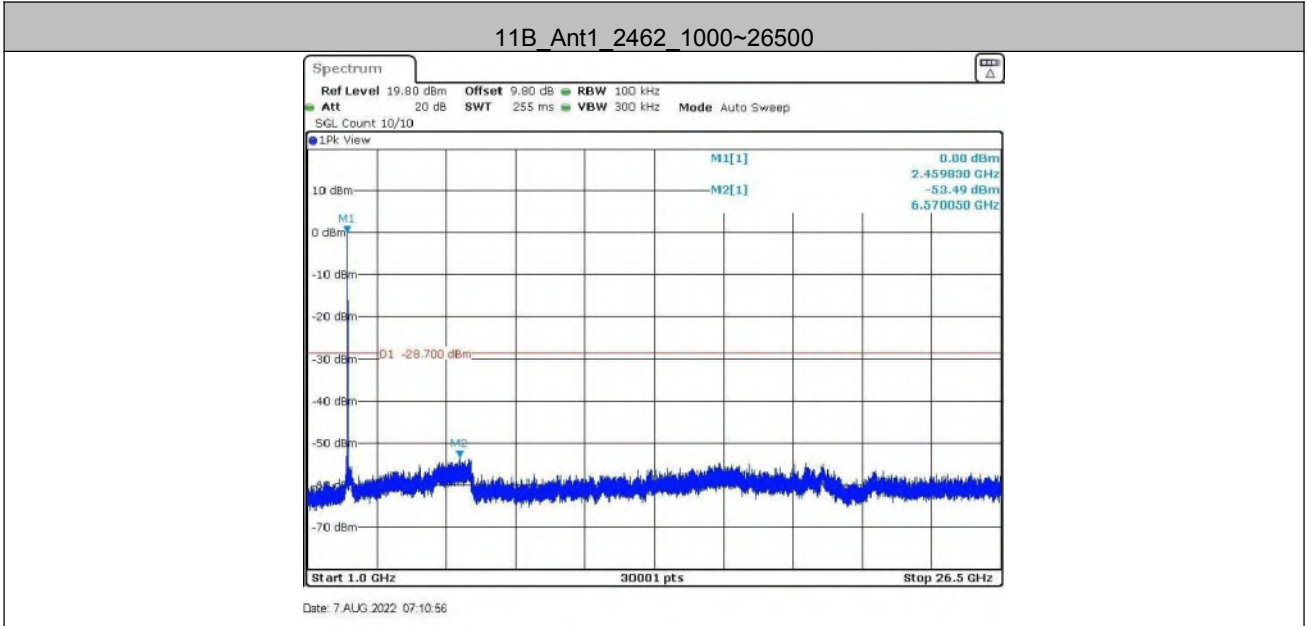
Date: 7 AUG 2022 07:07:24

11B_Ant1_2462_0~Reference

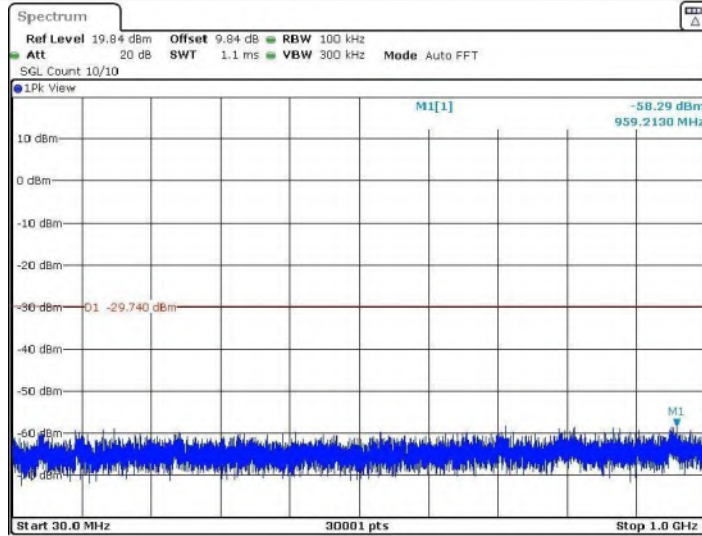


11B_Ant1_2462_30~1000



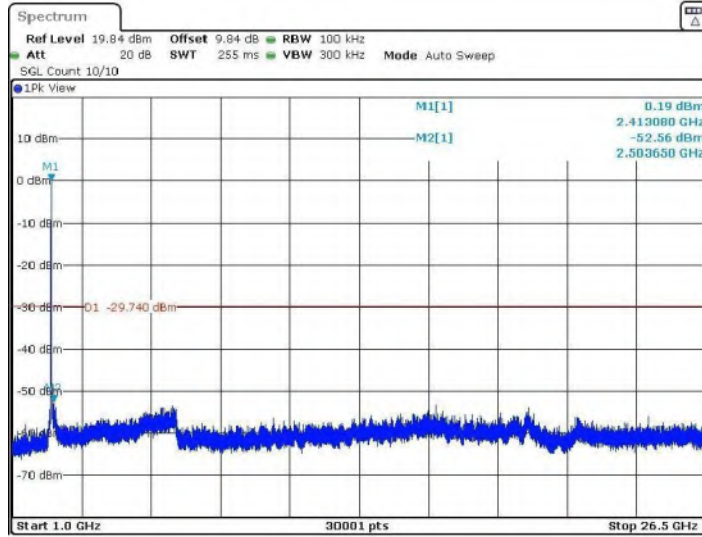


11G_Ant1_2412_30~1000

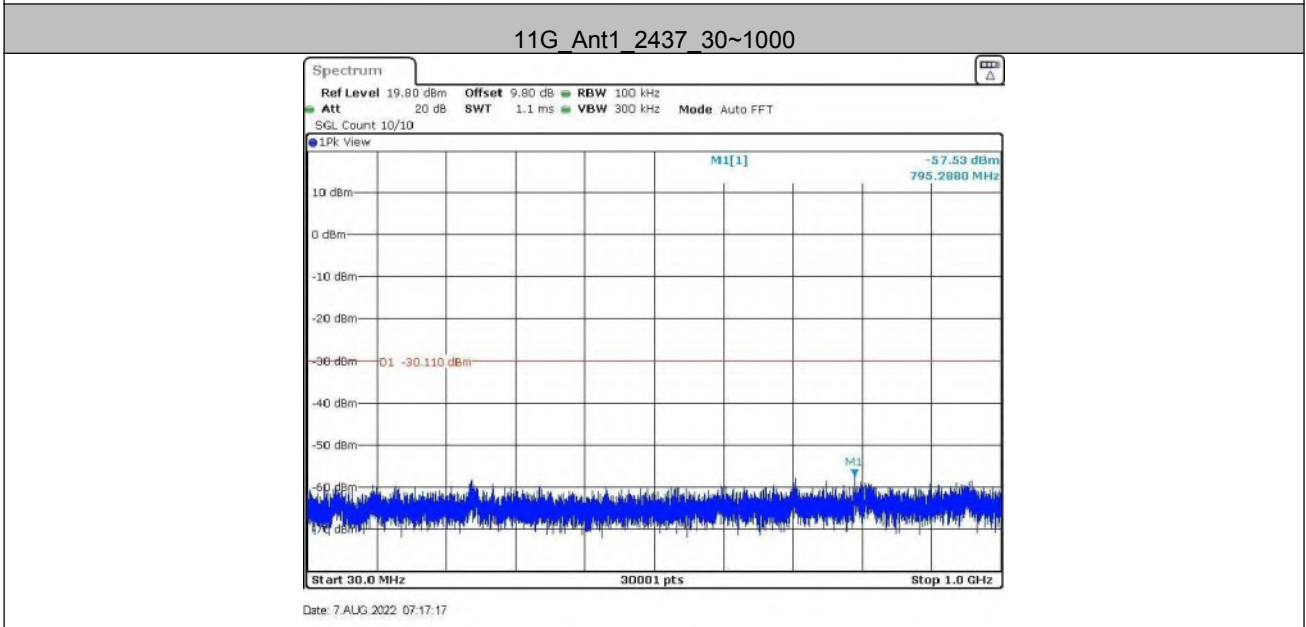
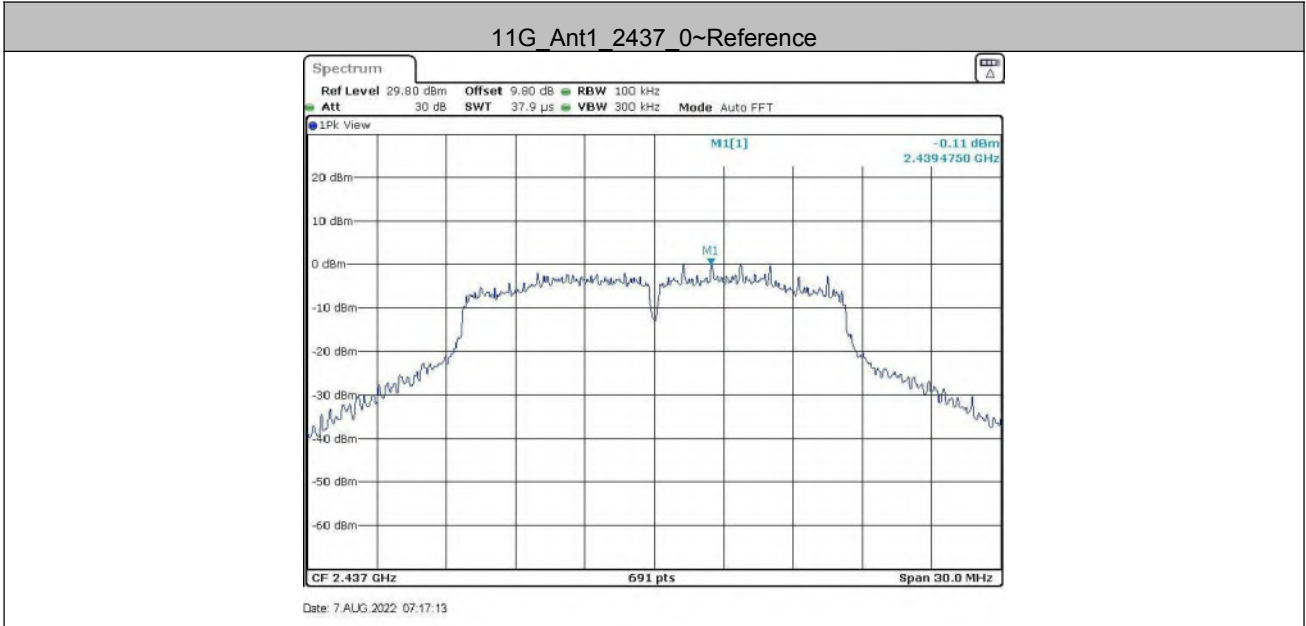


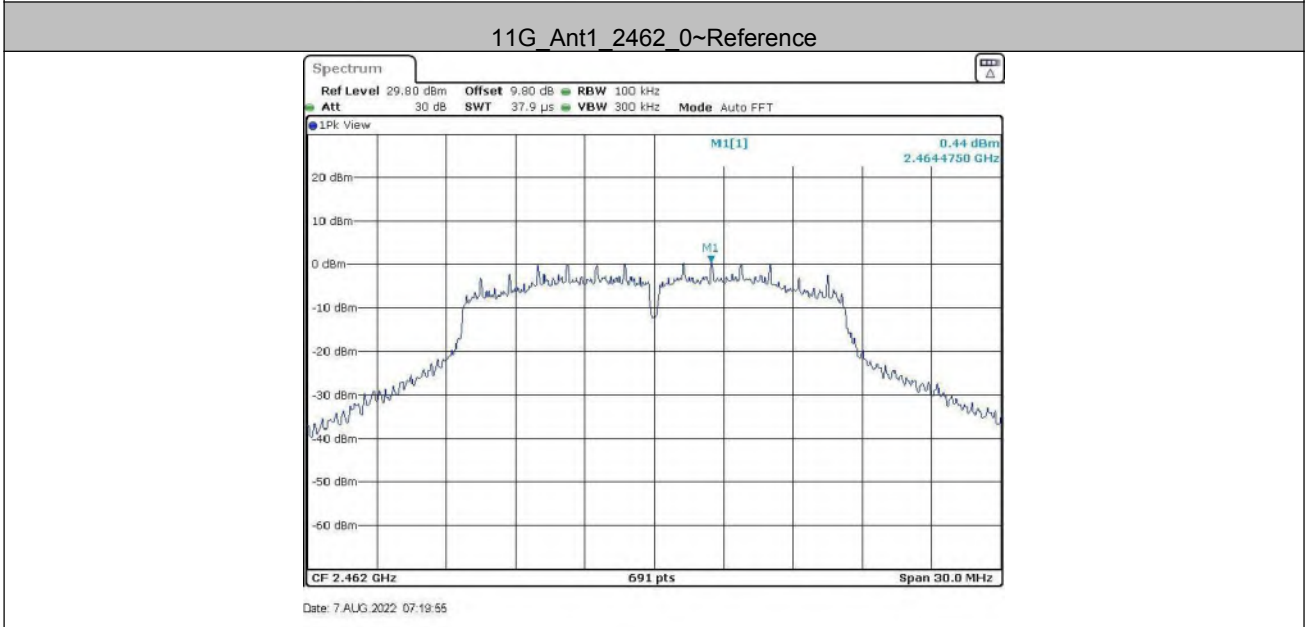
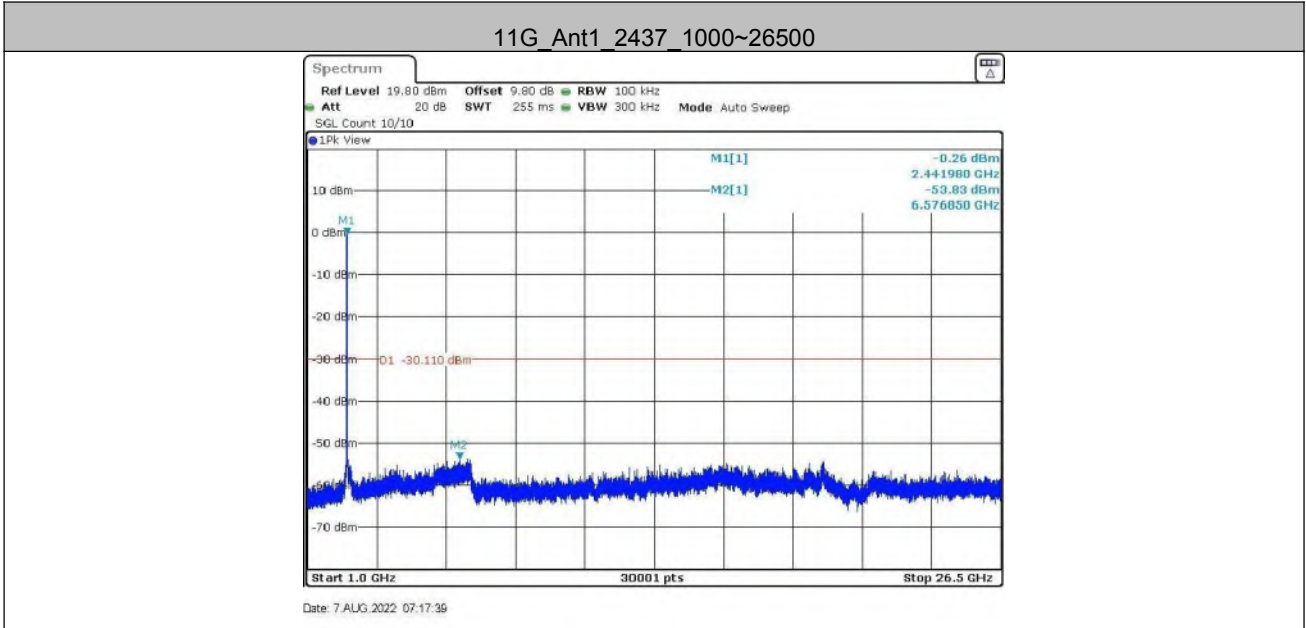
Date: 7 AUG 2022 07:15:17

11G_Ant1_2412_1000~26500

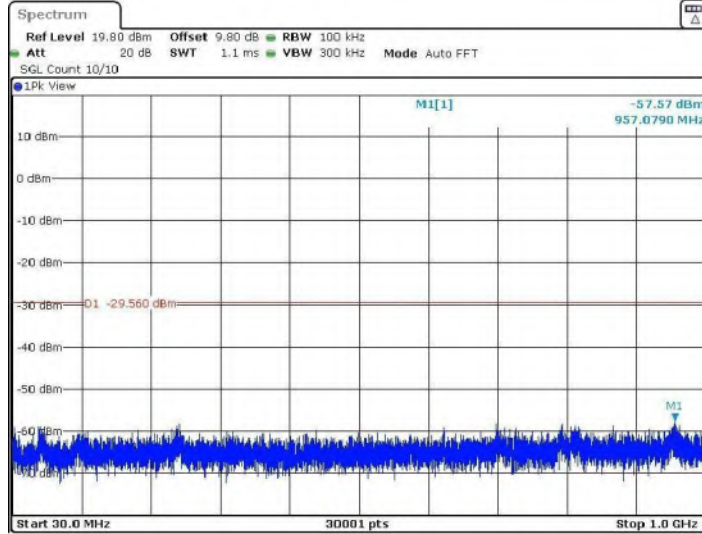


Date: 7 AUG 2022 07:15:39

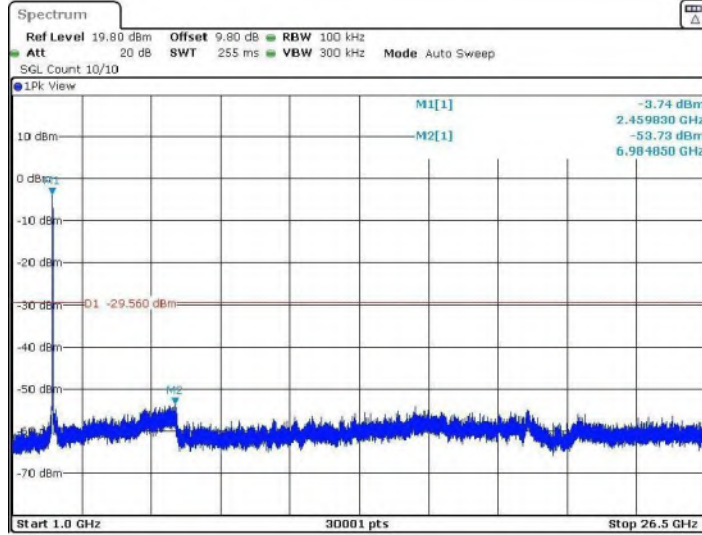


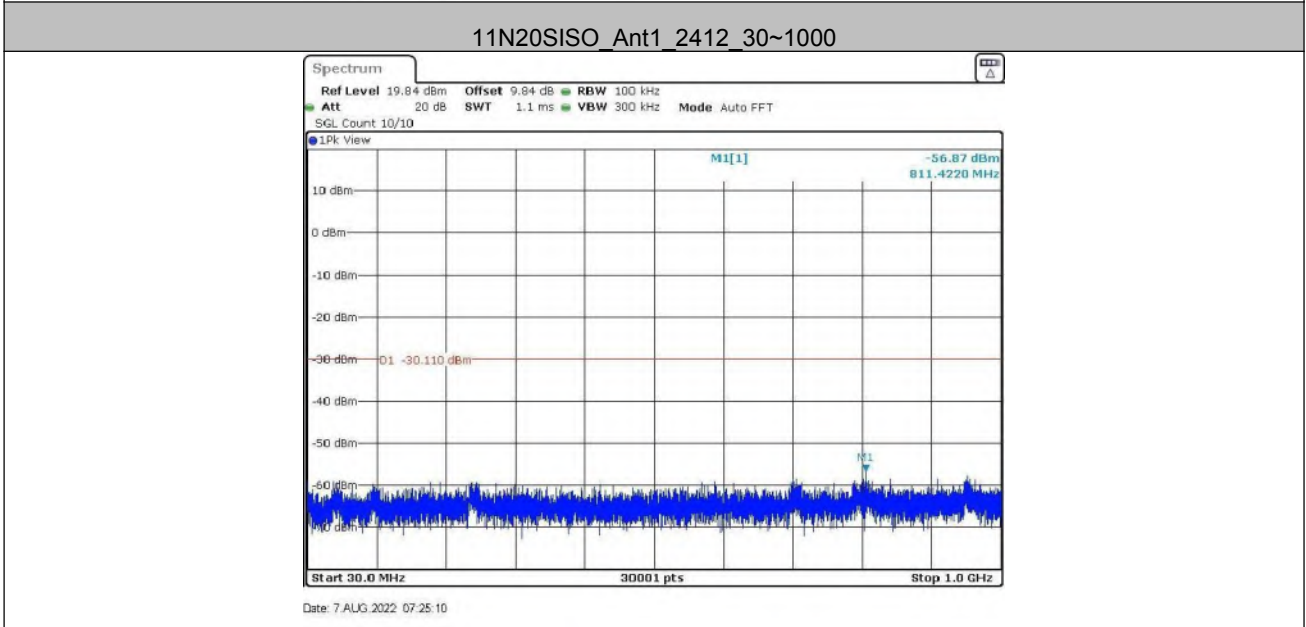
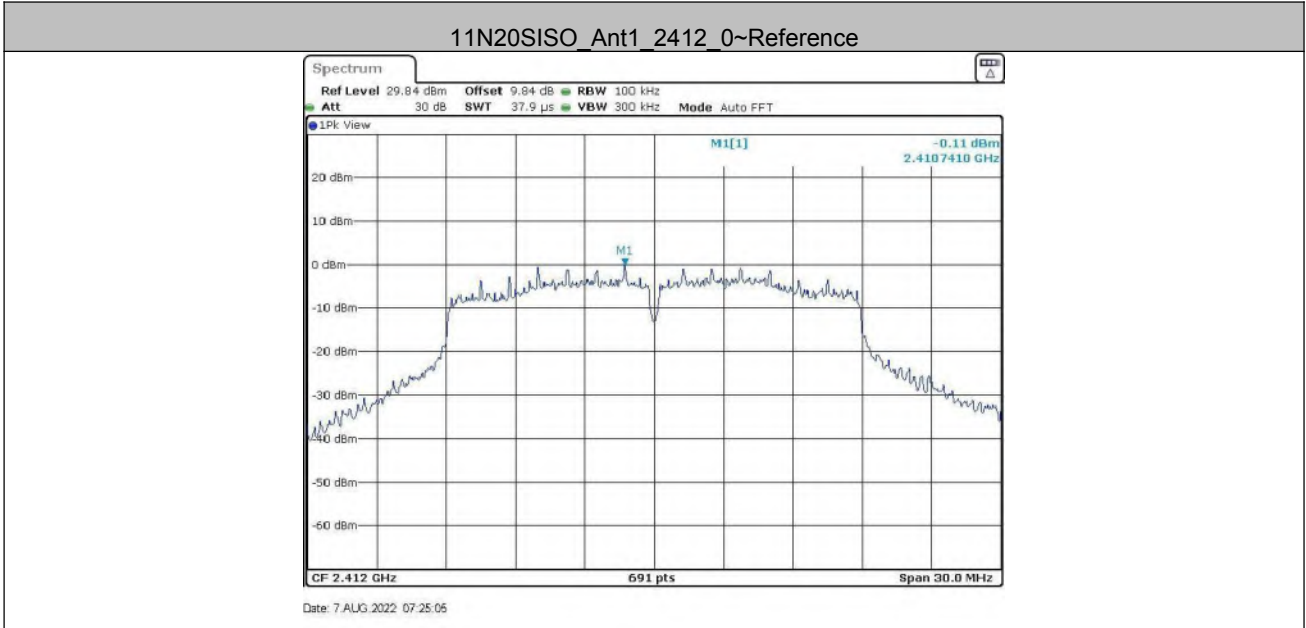


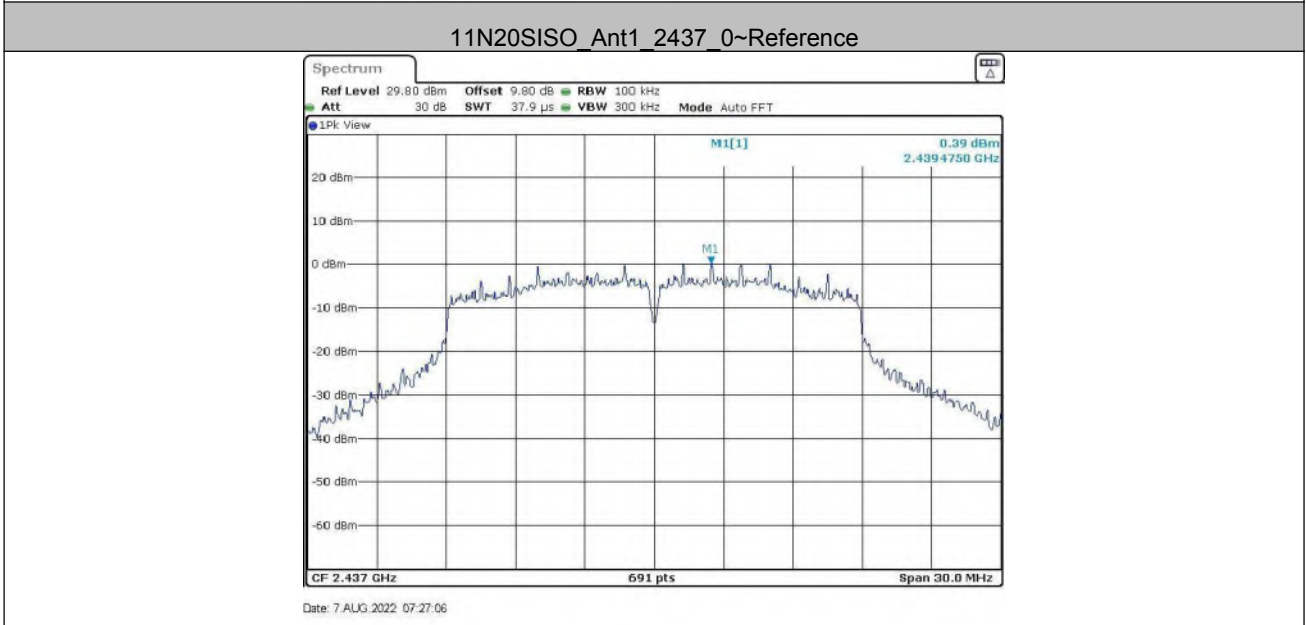
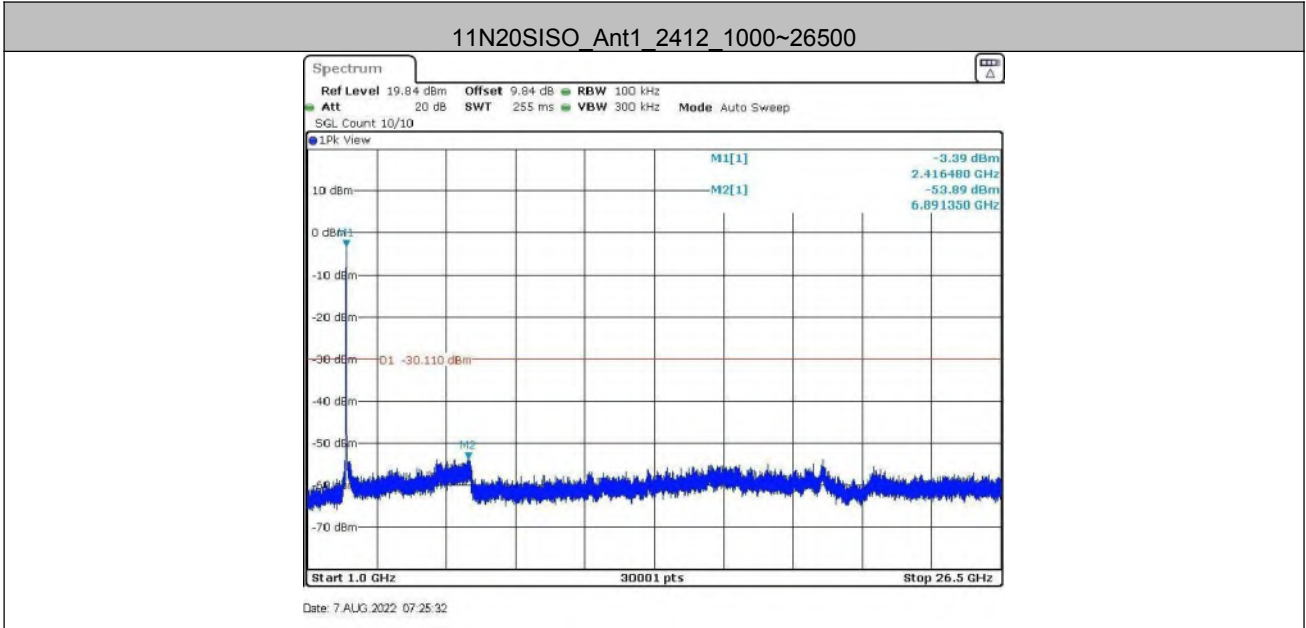
11G_Ant1_2462_30~1000



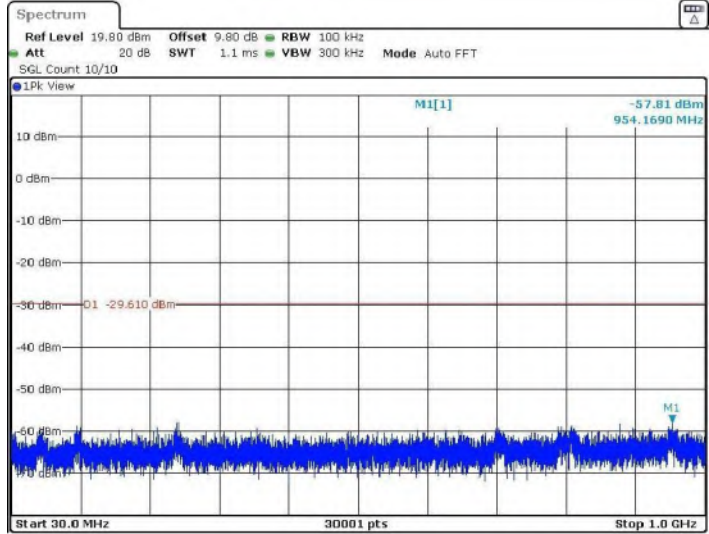
11G_Ant1_2462_1000~26500





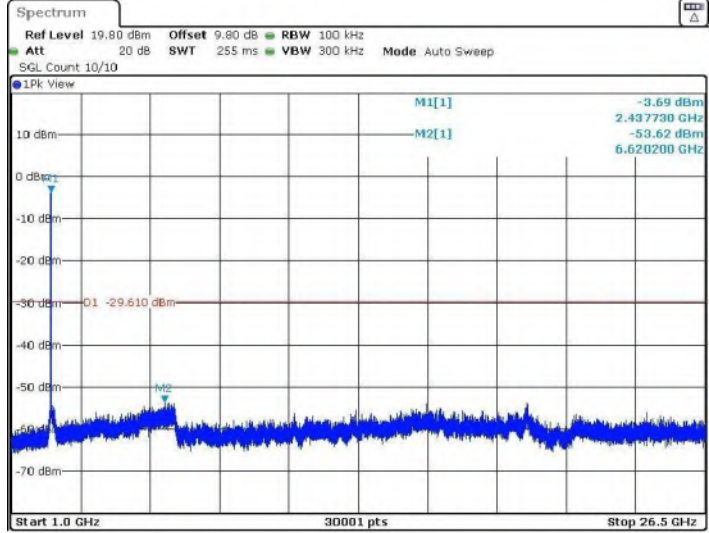


11N20SISO_Ant1_2437_30~1000

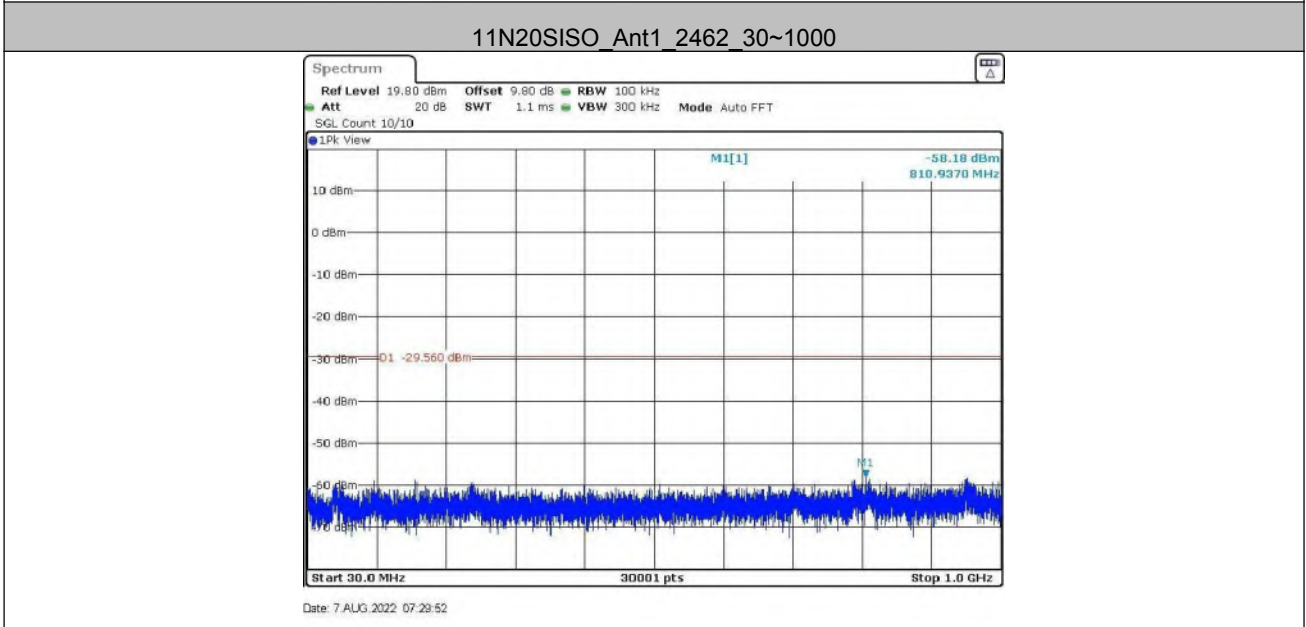
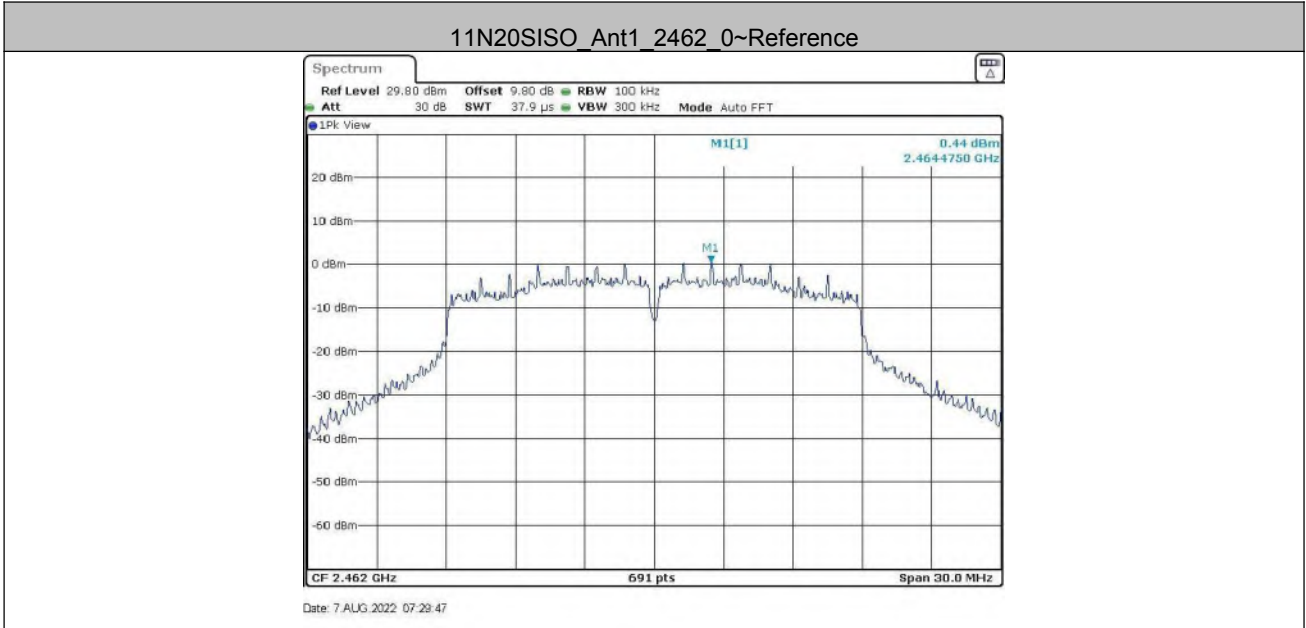


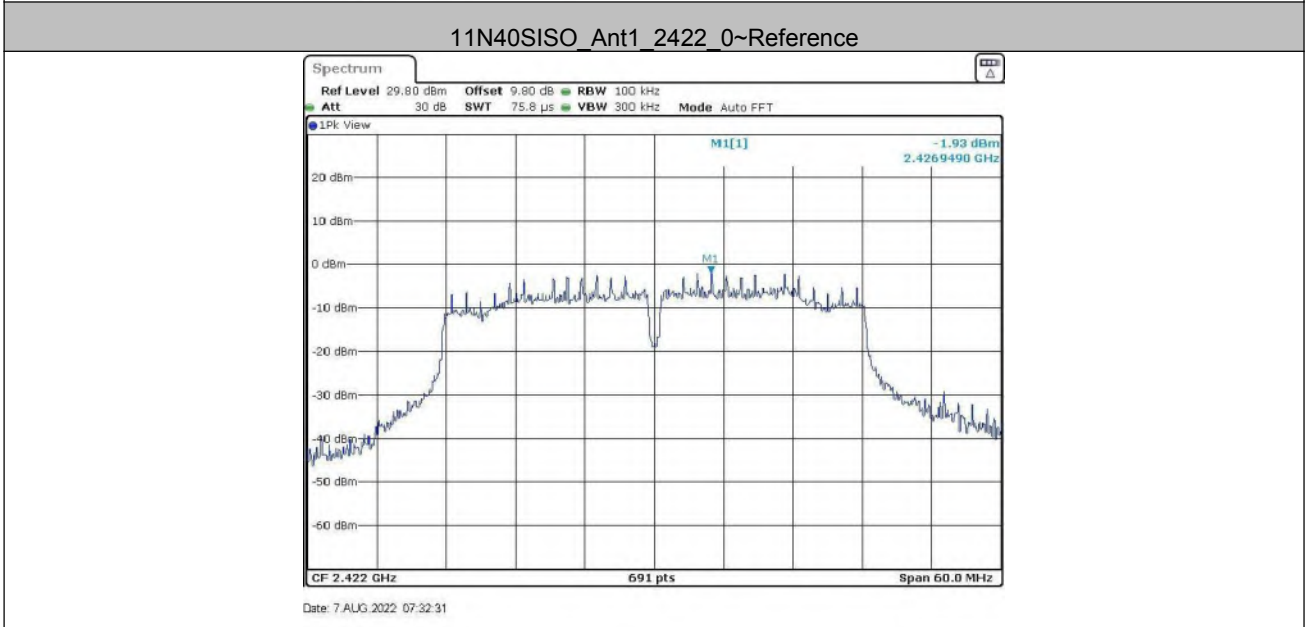
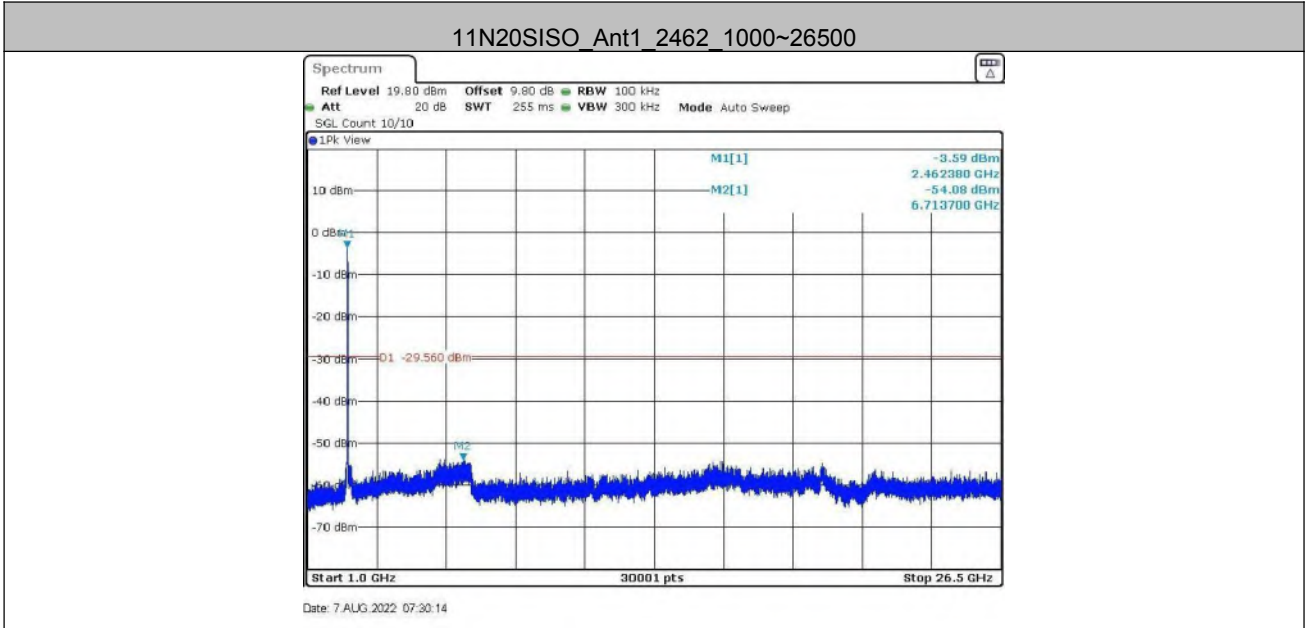
Date: 7 AUG 2022 07:27:10

11N20SISO_Ant1_2437_1000~26500

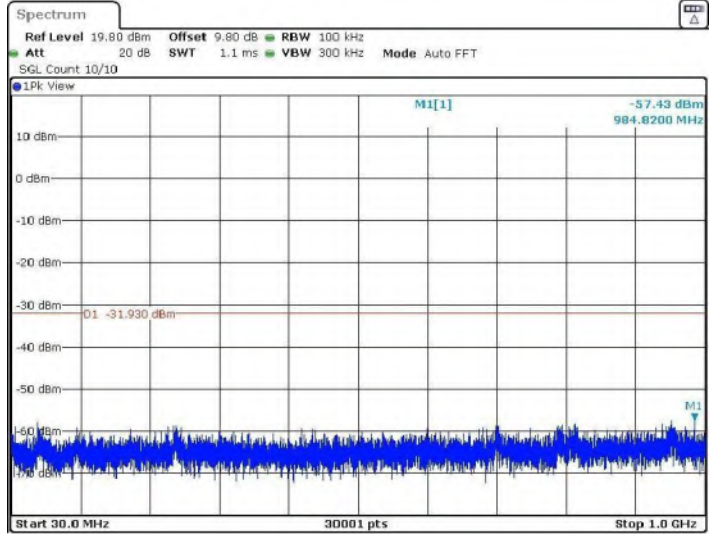


Date: 7 AUG 2022 07:27:33

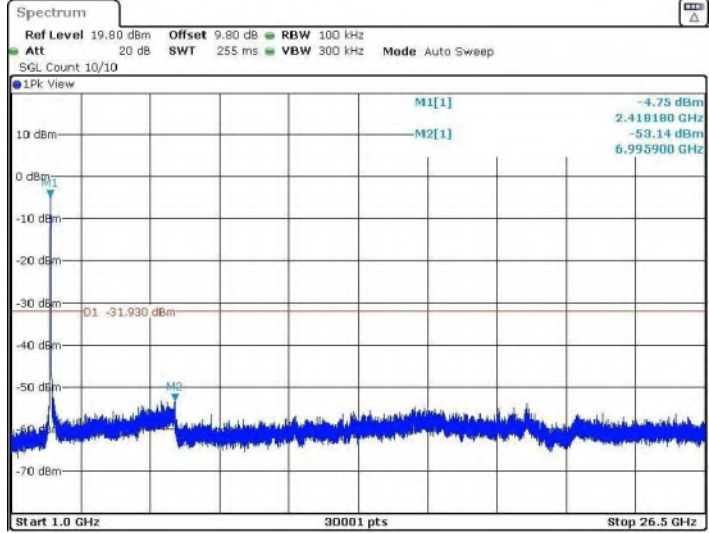




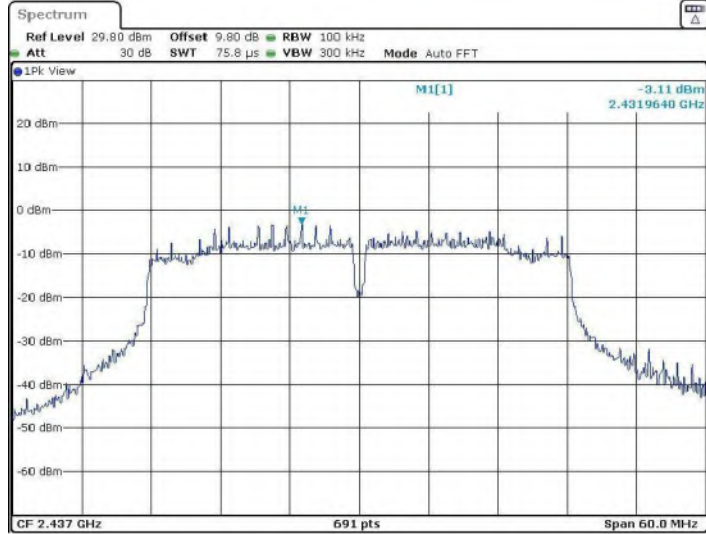
11N40SISO_Ant1_2422_30~1000



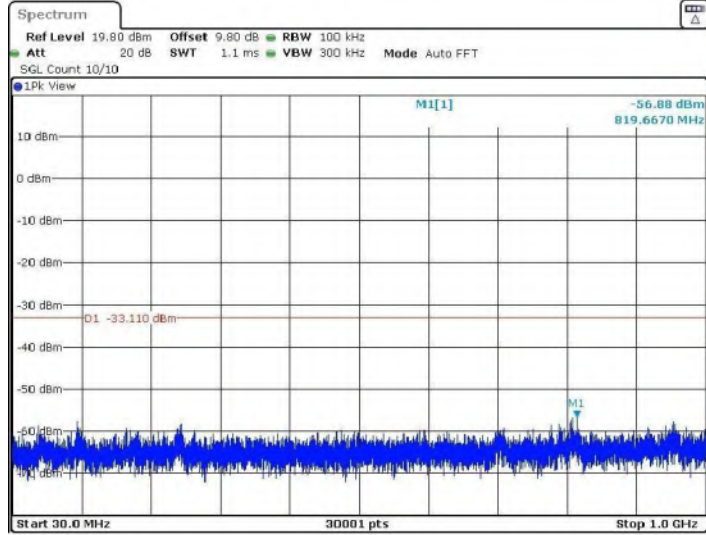
11N40SISO_Ant1_2422_1000~26500

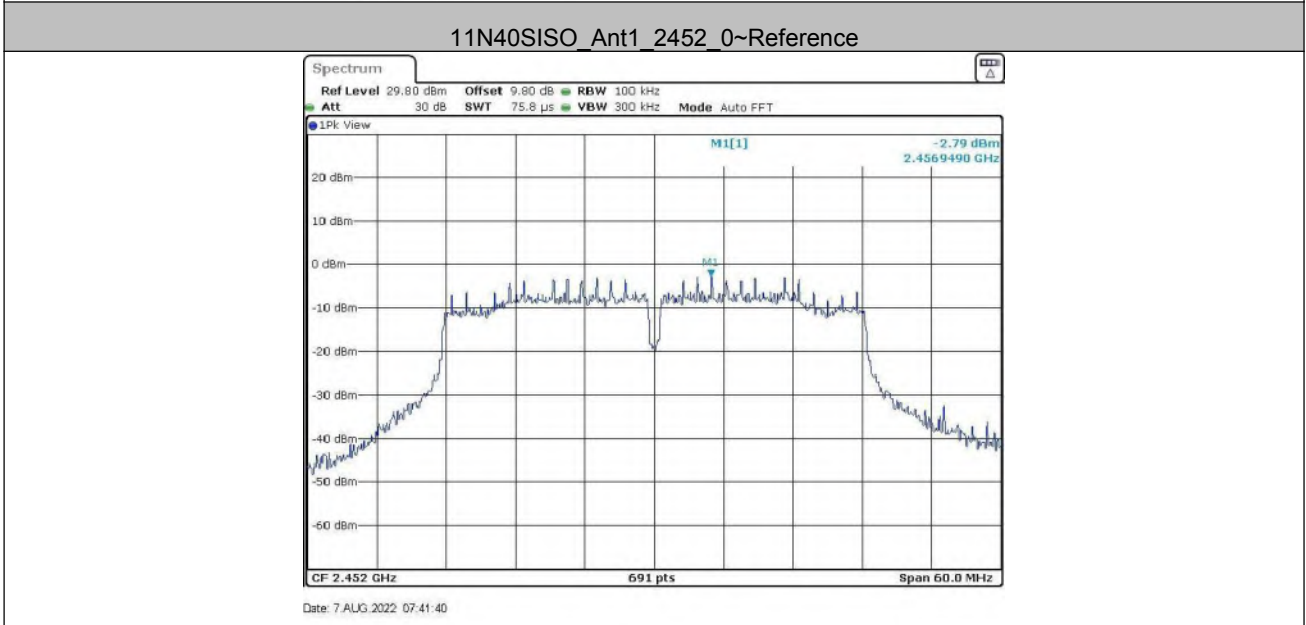
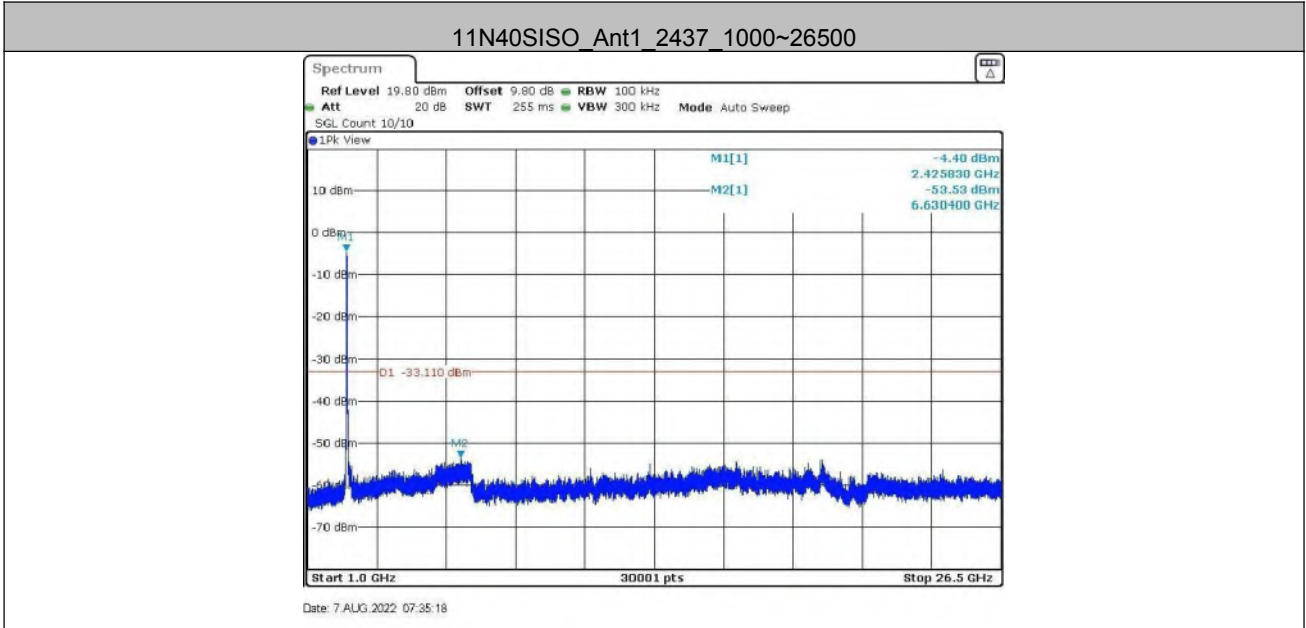


11N40SISO_Ant1_2437_0~Reference

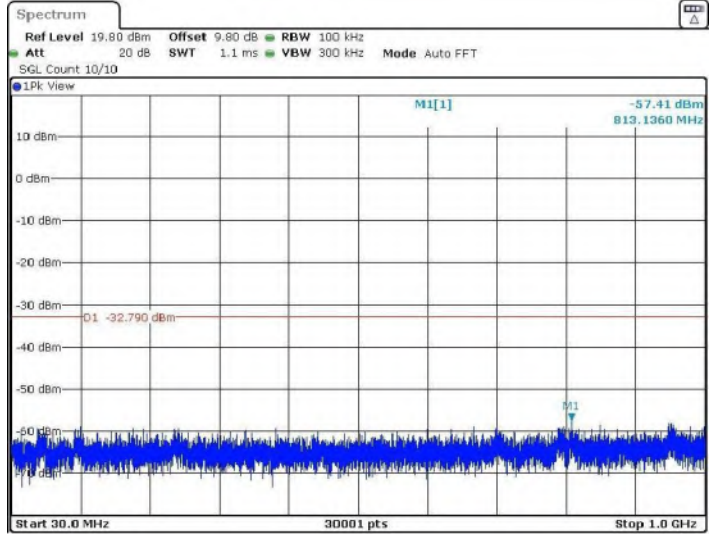


11N40SISO_Ant1_2437_30~1000

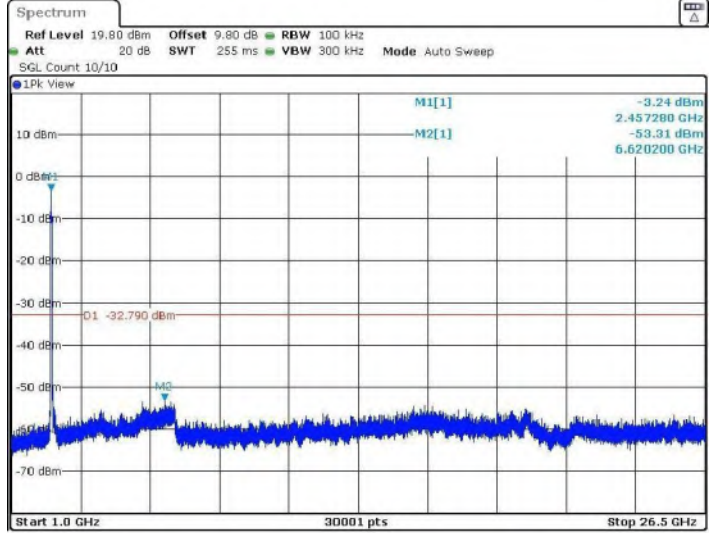




11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



Ant2

