

Test Result

ANT1:

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-13.6	≤8.00	PASS
	2437	-13.34	≤8.00	PASS
	2462	-11.45	≤8.00	PASS
11G	2412	-12.85	≤8.00	PASS
	2437	-12.27	≤8.00	PASS
	2462	-13.4	≤8.00	PASS
11N20SISO	2412	-15.45	≤8.00	PASS
	2437	-13.1	≤8.00	PASS
	2462	-13.41	≤8.00	PASS

ANT2:

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-13.92	≤8.00	PASS
	2437	-11.88	≤8.00	PASS
	2462	-12.1	≤8.00	PASS
11G	2412	-12.37	≤8.00	PASS
	2437	-12.03	≤8.00	PASS
	2462	-14.05	≤8.00	PASS
11N20SISO	2412	-16.31	≤8.00	PASS
	2437	-13.69	≤8.00	PASS
	2462	-14.69	≤8.00	PASS

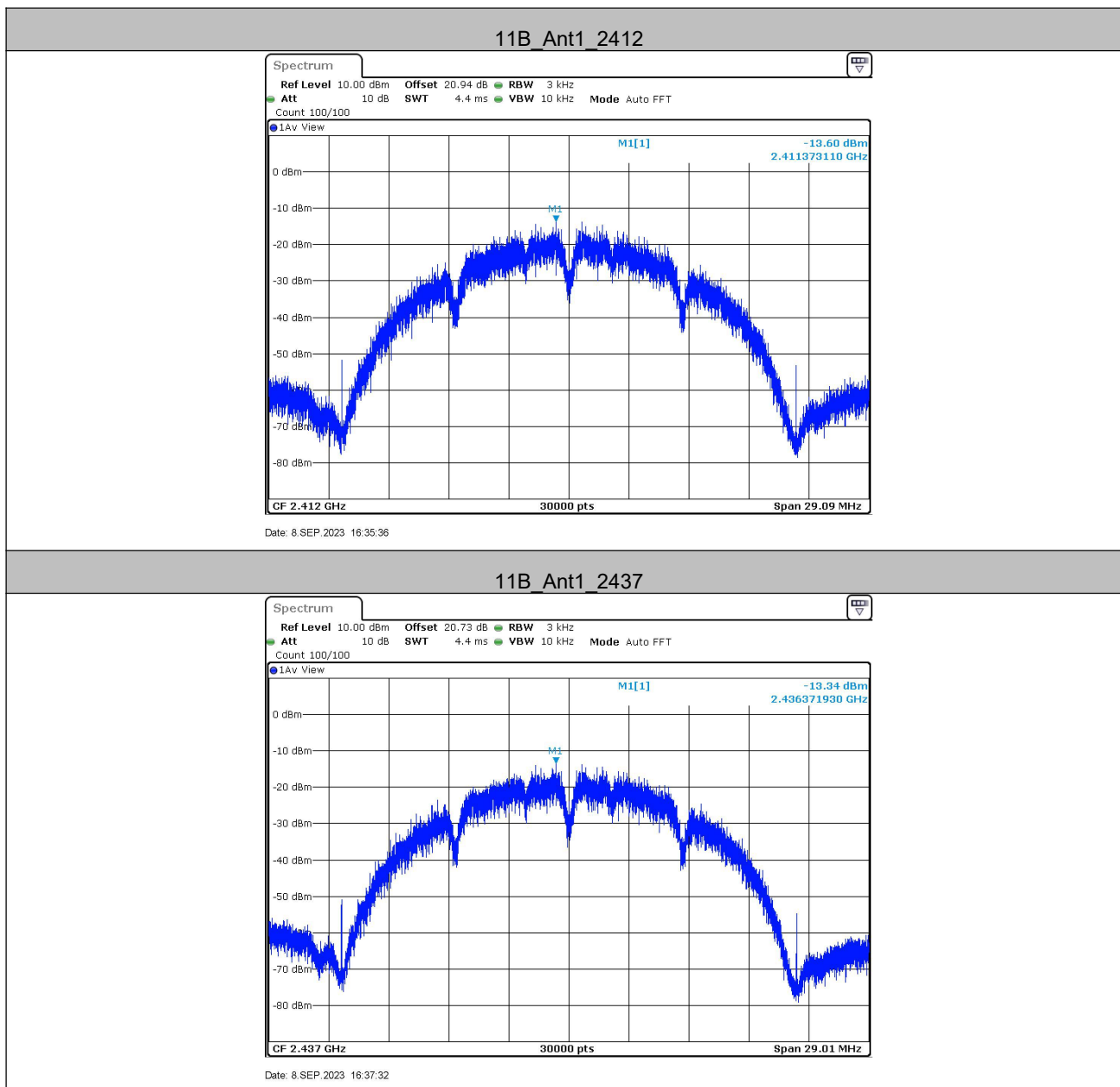
ANT1+ANT2:

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20MIMO	2412	-12.85	≤8.00	PASS
	2437	-10.37	≤8.00	PASS
	2462	-10.99	≤8.00	PASS

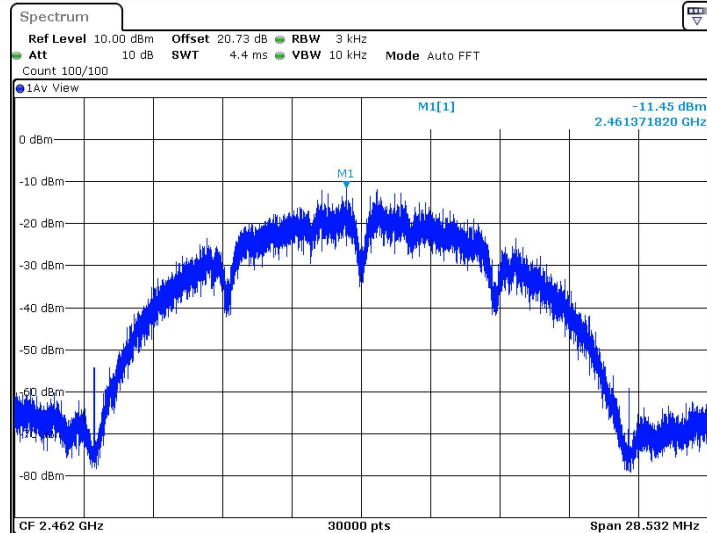
Note:

When Duty cycle >98%, D.C.F is not required.

Test Graphs

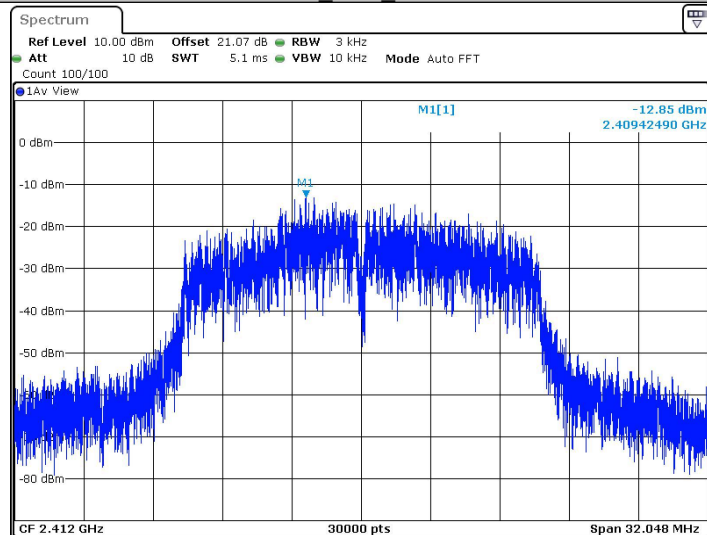


11B_Ant1_2462



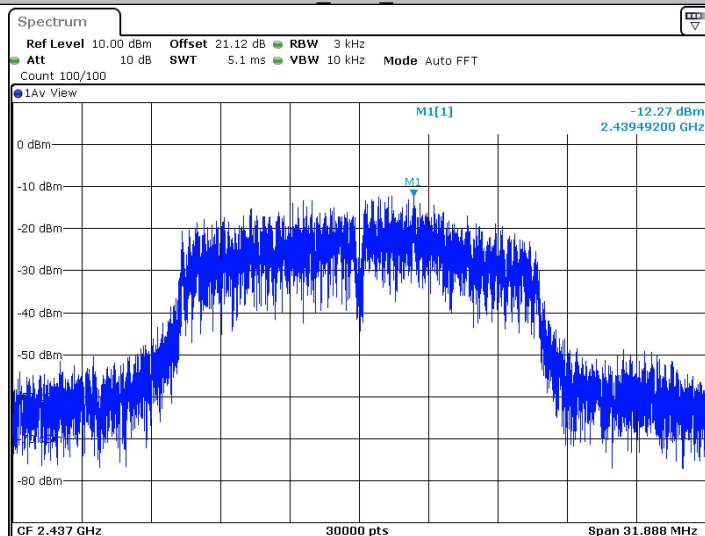
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11G_Ant1_2412



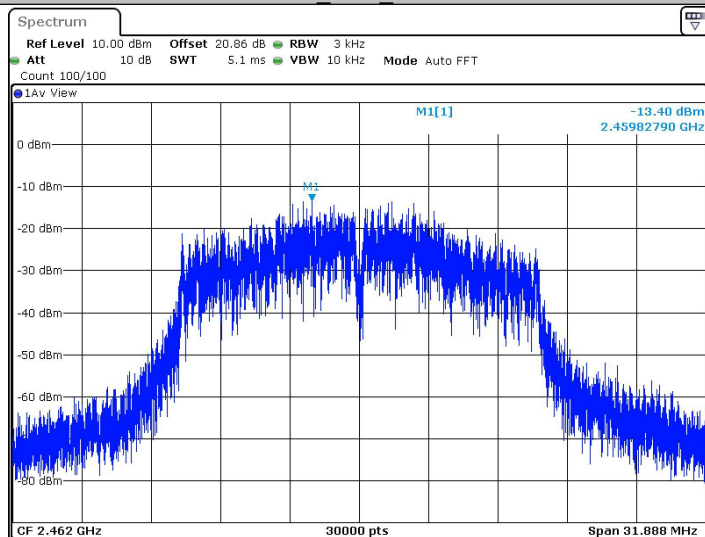
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11G_Ant1_2437



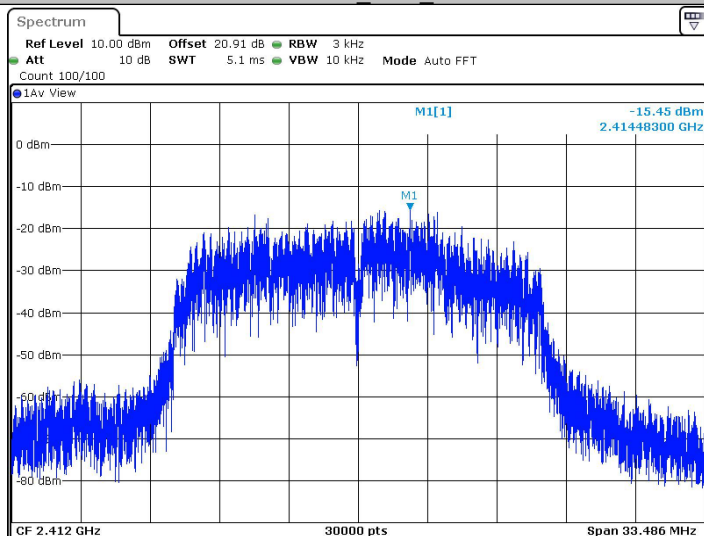
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11G_Ant1_2462



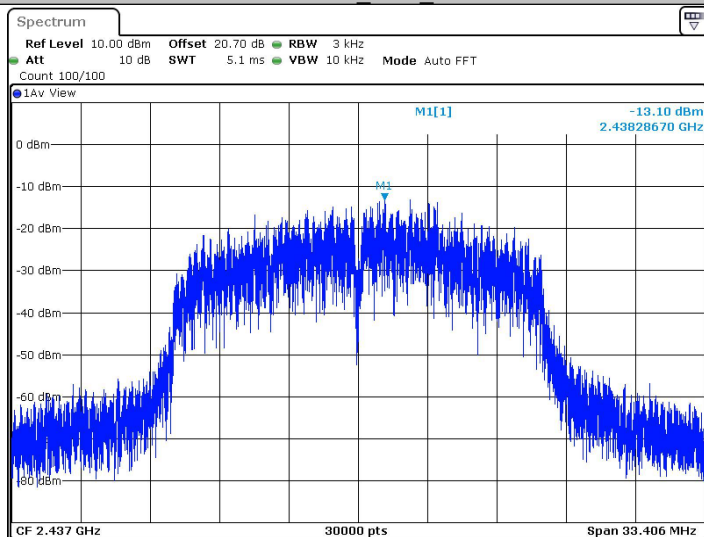
Date: 8.SEP.2023 16:55:18

11N20SISO_Ant1_2412



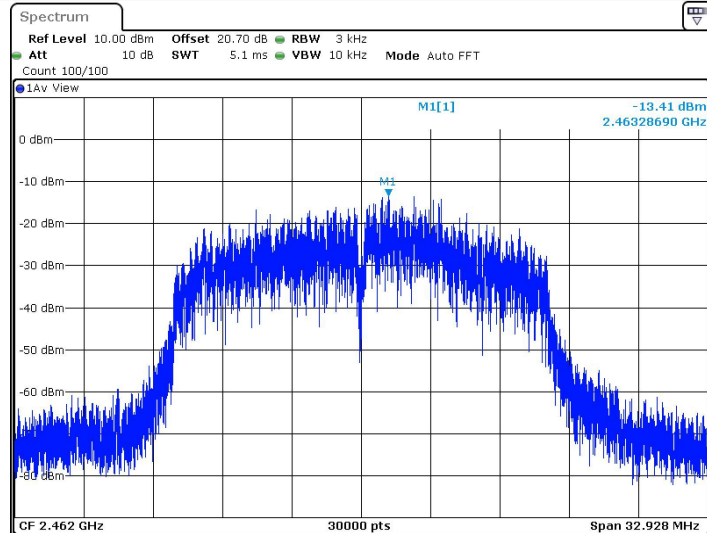
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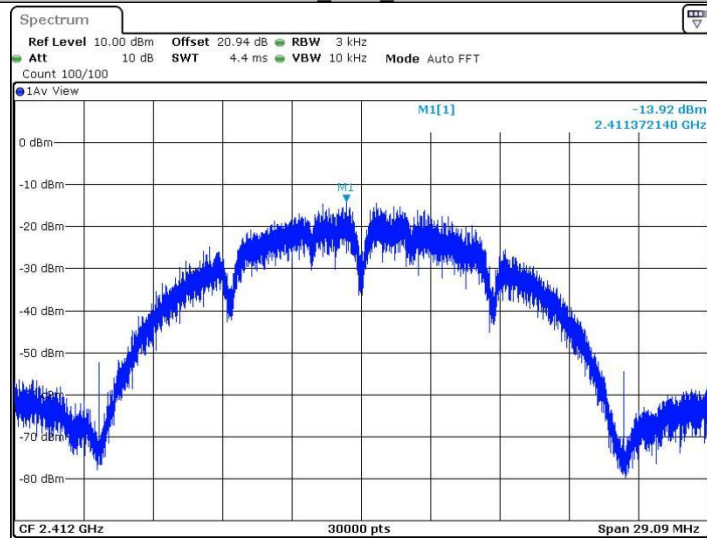
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11N20SISO_Ant1_2462



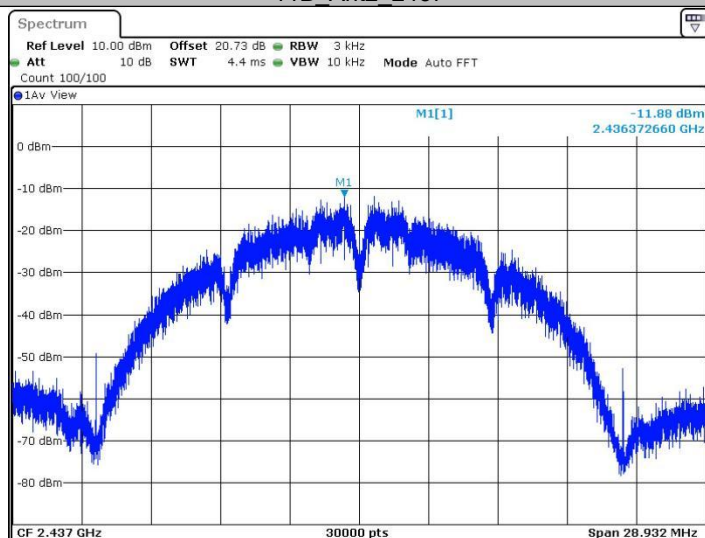
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11B_Ant2_2412



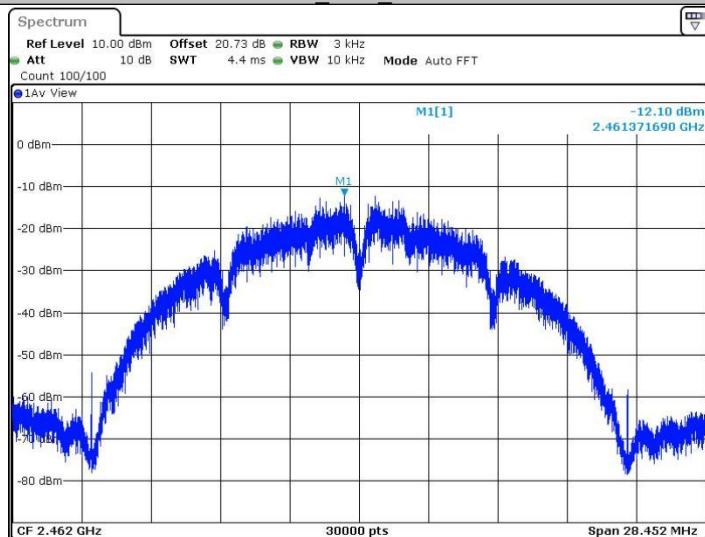
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11B_Ant2_2437



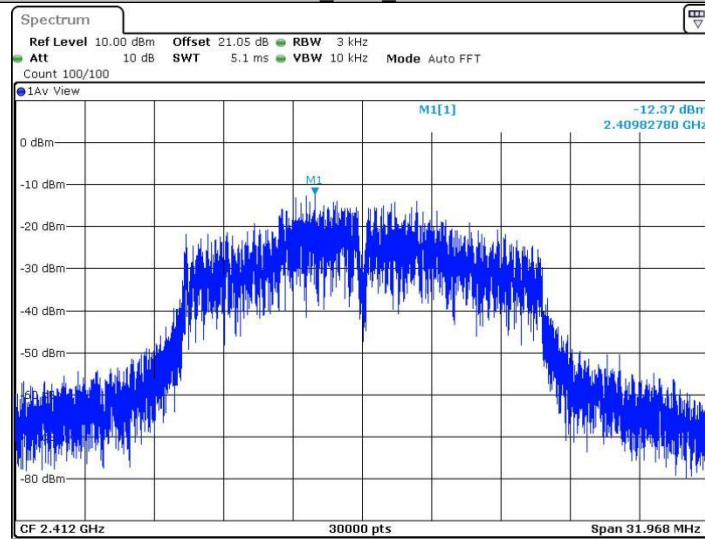
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11B_Ant2_2462



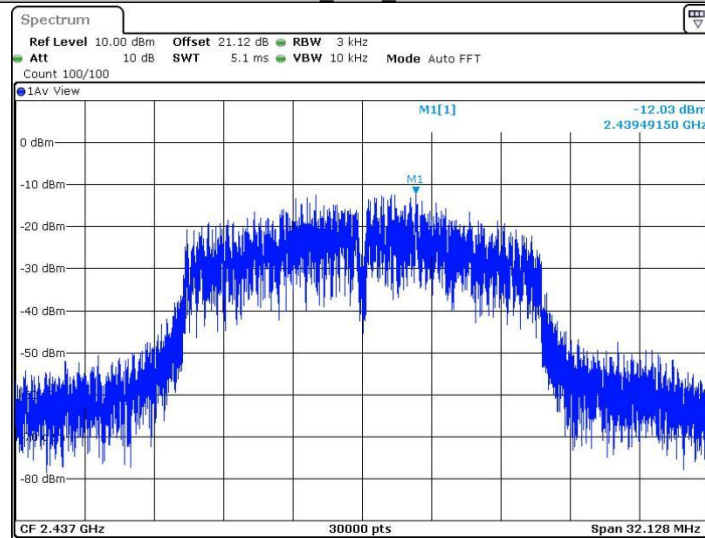
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11G_Ant2_2412



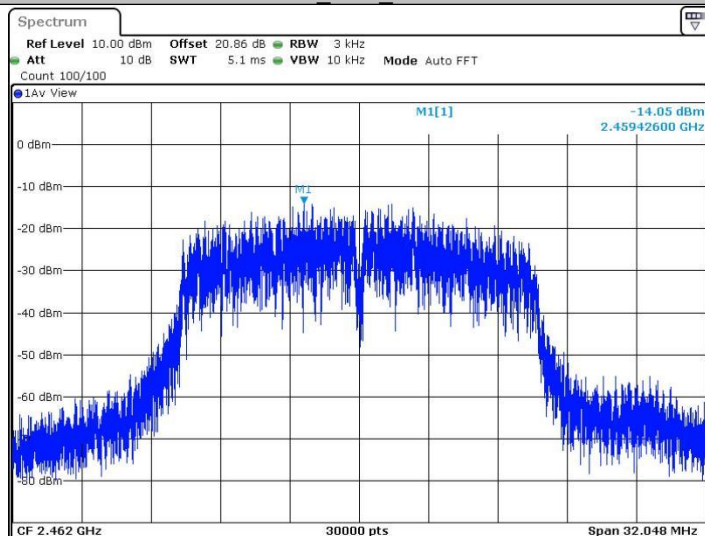
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11G_Ant2_2437



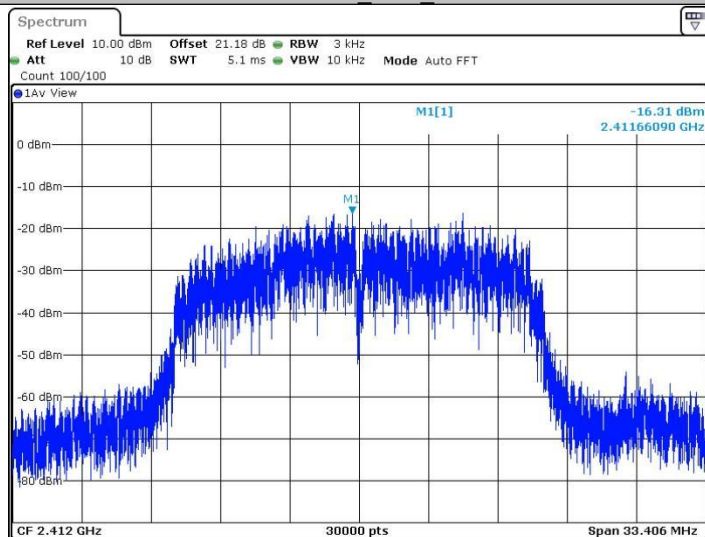
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11G_Ant2_2462



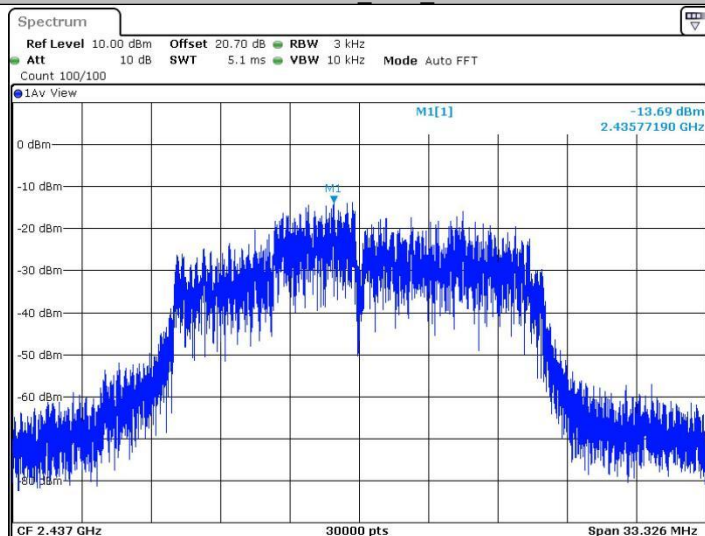
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11N20SISO_Ant2_2412



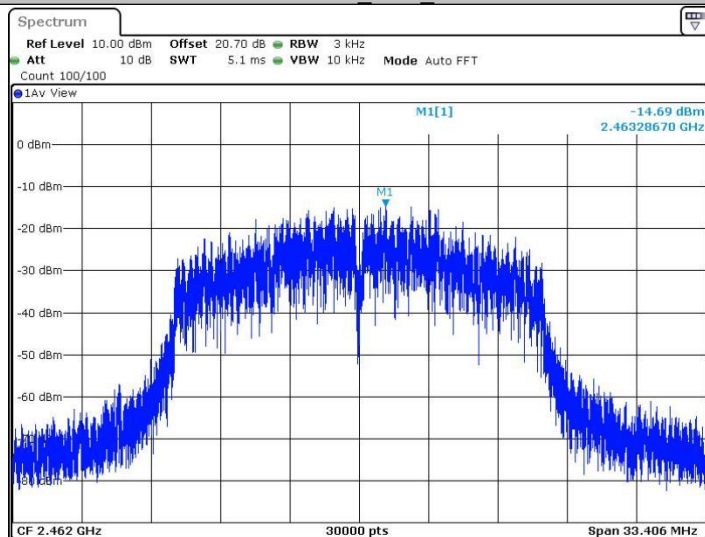
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11N20SISO_Ant2_2437



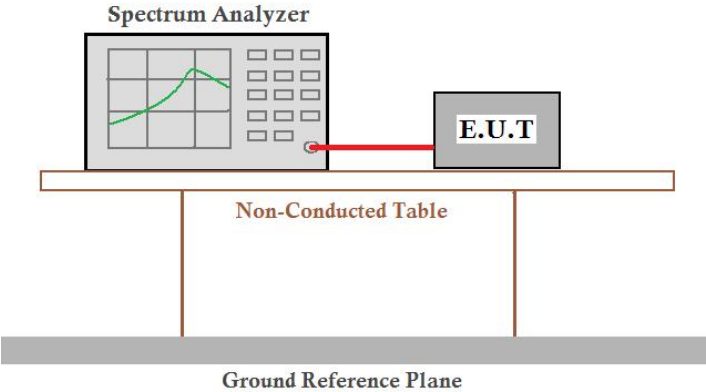
Date: 8.SEP.2023 17:27:57

11N20SISO_Ant2_2462



Date: 8.SEP.2023 17:29:40

4.6 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	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 Result

ANT1:

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	1.89	-39.12	≤ -28.11	PASS
	High	2462	3.47	-46.53	≤ -26.53	PASS
11G	Low	2412	1.78	-36.75	≤ -28.22	PASS
	High	2462	0.30	-46.73	≤ -29.7	PASS
11N20SISO	Low	2412	0.79	-38.82	≤ -29.21	PASS
	High	2462	2.28	-46.46	≤ -27.72	PASS

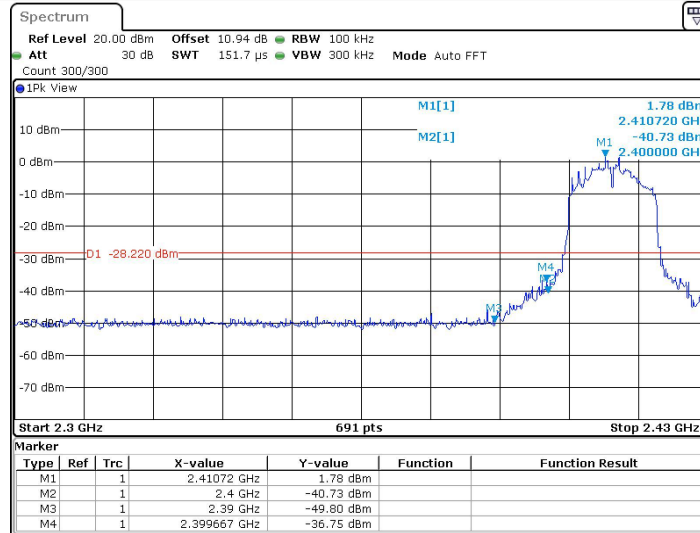
ANT2:

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	2.61	-38.75	≤ -27.39	PASS
	High	2462	3.28	-46.71	≤ -26.72	PASS
11G	Low	2412	2.65	-36.91	≤ -27.35	PASS
	High	2462	2.86	-46.81	≤ -27.14	PASS
11N20SISO	Low	2412	-1.82	-39.22	≤ -31.82	PASS
	High	2462	3.12	-47.58	≤ -26.88	PASS

4.6.1 Test Graphs

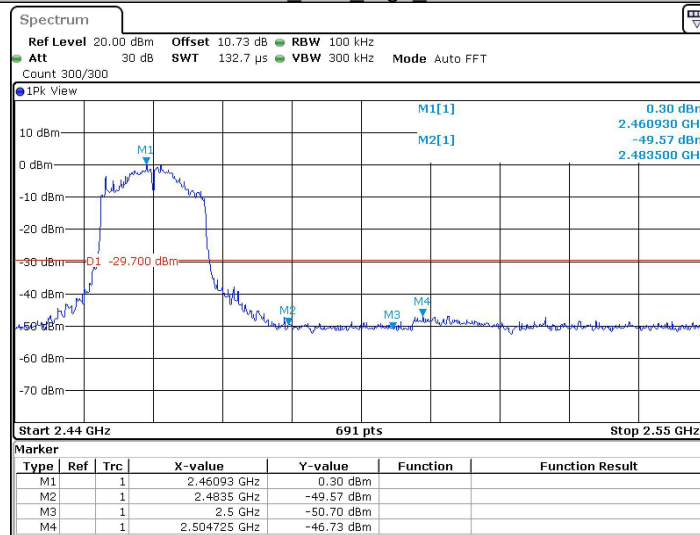


11G_Ant1_Low_2412



Date: 8.SEP.2023 16:41:29

11G_Ant1_High_2462



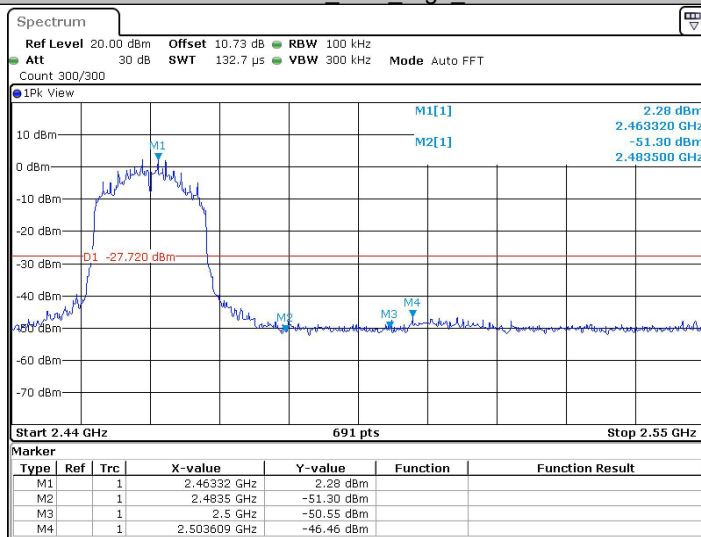
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11N20SISO_Ant1_Low_2412



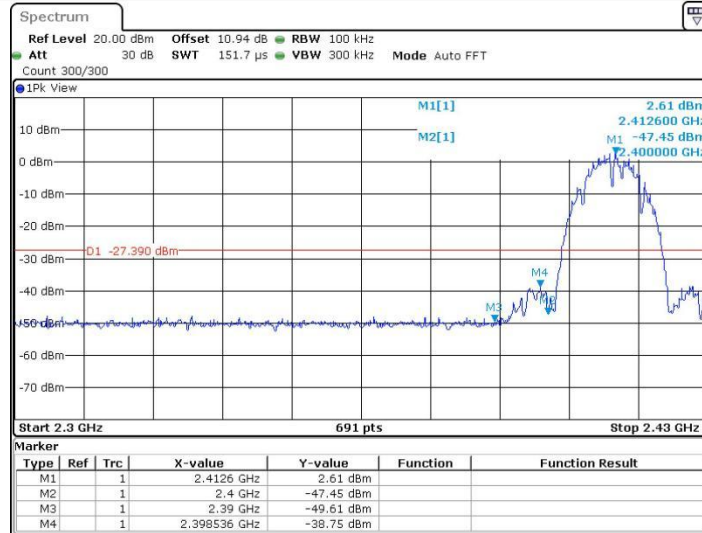
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11N20SISO_Ant1_High_2462



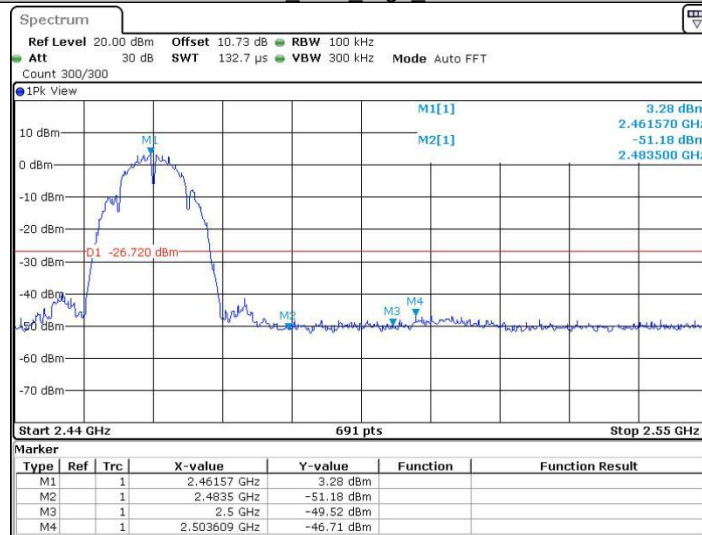
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11B_Ant2_Low_2412



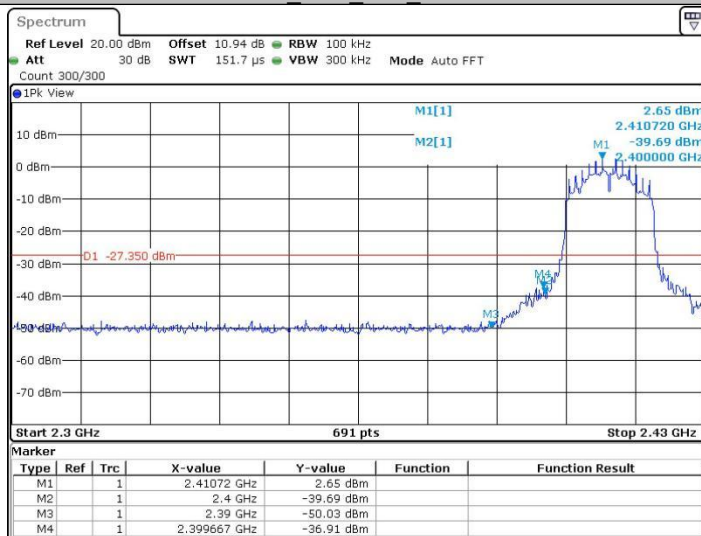
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11B_Ant2_High_2462



Date: 8.SEP.2023 17:13:57

11G_Ant2_Low_2412



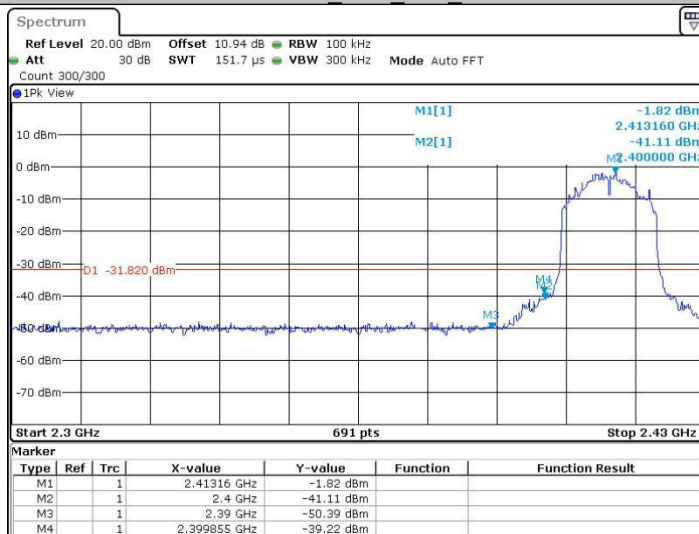
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11G_Ant2_High_2462



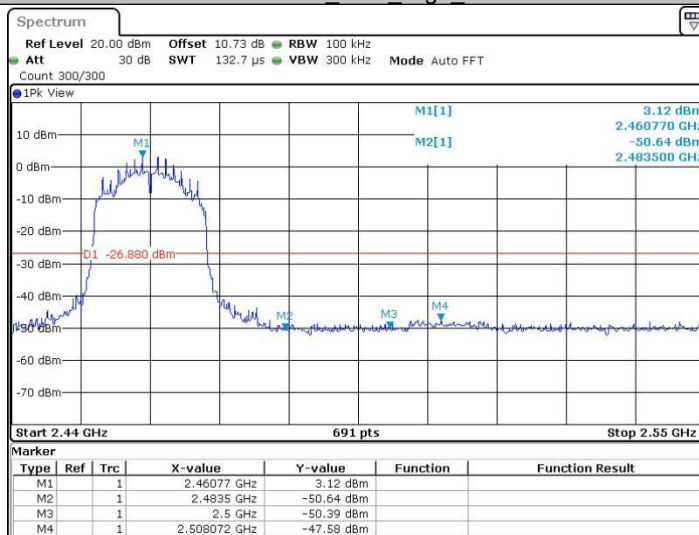
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11N20SISO_Ant2_Low_2412



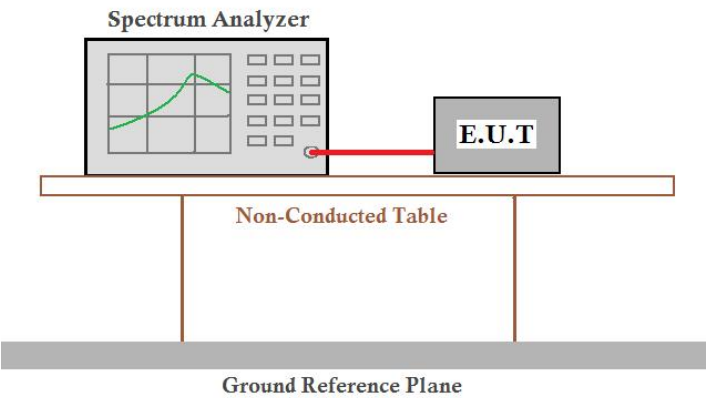
Date: 8.SEP.2023 17:24:17

11N20SISO_Ant2_High_2462



Date: 8.SEP.2023 17:29:50

4.7 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	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 Result

ANT1:

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	2.51	2.51	---	PASS
		30~1000	2.51	-54.75	≤ -27.49	PASS
		1000~26500	2.51	-46.83	≤ -27.49	PASS
	2437	Reference	3.89	3.89	---	PASS
		30~1000	3.89	-54.95	≤ -26.11	PASS
		1000~26500	3.89	-53.09	≤ -26.11	PASS
	2462	Reference	3.98	3.98	---	PASS
		30~1000	3.98	-56.14	≤ -26.02	PASS
		1000~26500	3.98	-52.78	≤ -26.02	PASS
11G	2412	Reference	2.64	2.64	---	PASS
		30~1000	2.64	-55.35	≤ -27.36	PASS
		1000~26500	2.64	-51.8	≤ -27.36	PASS
	2437	Reference	4.46	4.46	---	PASS
		30~1000	4.46	-55.06	≤ -25.54	PASS
		1000~26500	4.46	-52.61	≤ -25.54	PASS
	2462	Reference	2.79	2.79	---	PASS
		30~1000	2.79	-53.98	≤ -27.21	PASS
		1000~26500	2.79	-52.63	≤ -27.21	PASS
11N20SISO	2412	Reference	1.48	1.48	---	PASS
		30~1000	1.48	-54.87	≤ -28.52	PASS
		1000~26500	1.48	-52.01	≤ -28.52	PASS
	2437	Reference	3.09	3.09	---	PASS
		30~1000	3.09	-54.34	≤ -26.91	PASS
		1000~26500	3.09	-52.73	≤ -26.91	PASS
	2462	Reference	3.05	3.05	---	PASS
		30~1000	3.05	-54.57	≤ -26.95	PASS
		1000~26500	3.05	-52.55	≤ -26.95	PASS