

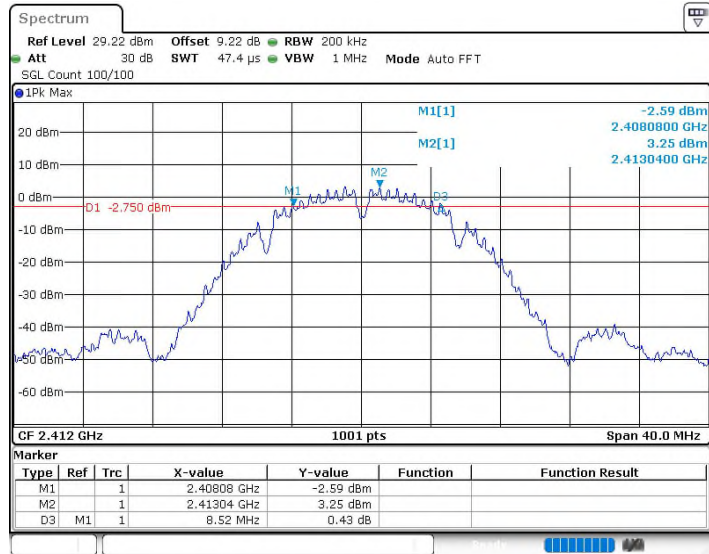
Appendix A: DTS Bandwidth

Test Result

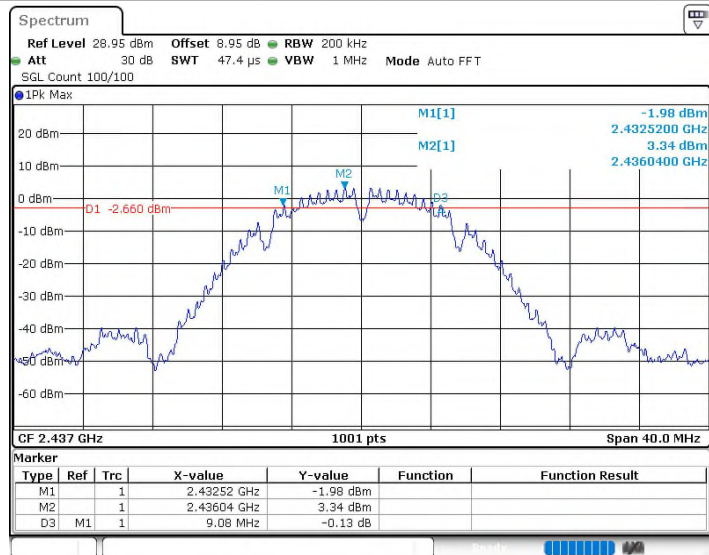
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.52	2408.08	2416.60	0.5	PASS
		2437	9.08	2432.52	2441.60	0.5	PASS
		2462	9.04	2457.52	2466.56	0.5	PASS
11G	Ant1	2412	16.36	2403.88	2420.24	0.5	PASS
		2437	16.48	2428.80	2445.28	0.5	PASS
		2462	16.40	2453.84	2470.24	0.5	PASS
11N20SISO	Ant1	2412	17.44	2403.40	2420.84	0.5	PASS
		2437	17.64	2428.24	2445.88	0.5	PASS
		2462	17.68	2453.20	2470.88	0.5	PASS

Test Graphs

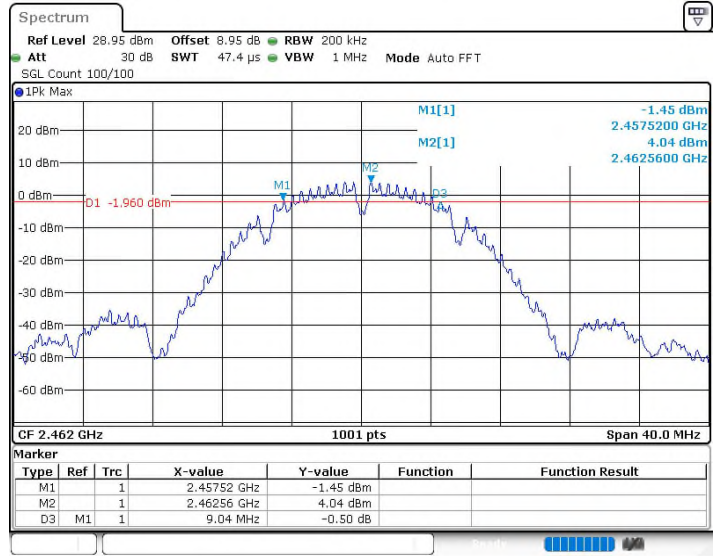
11B_Ant1_2412



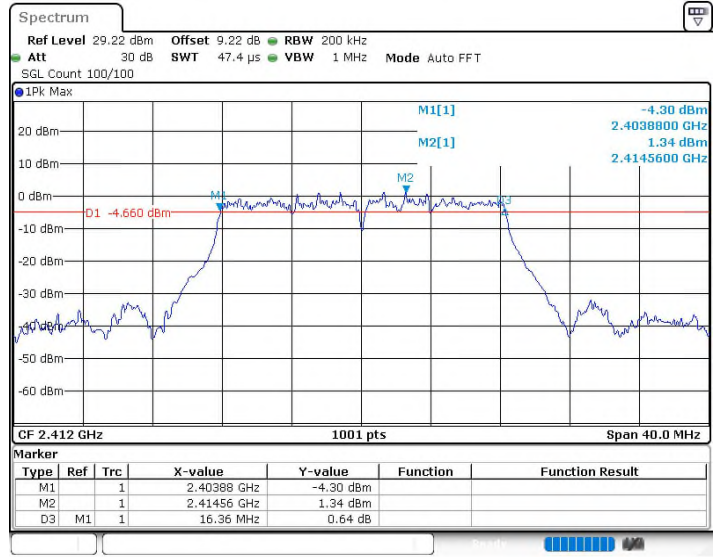
11B_Ant1_2437



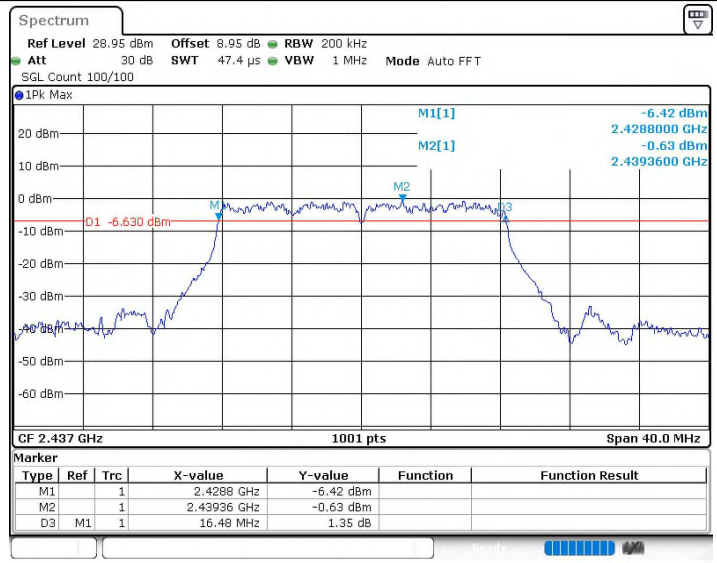
11B_Ant1_2462



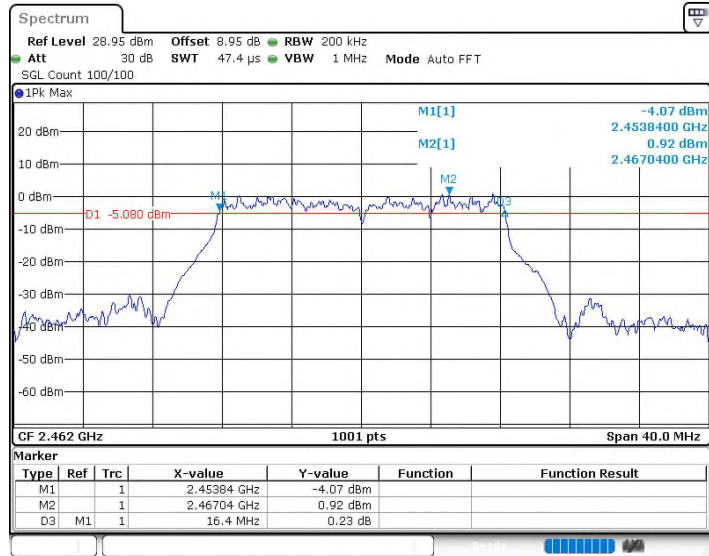
11G_Ant1_2412



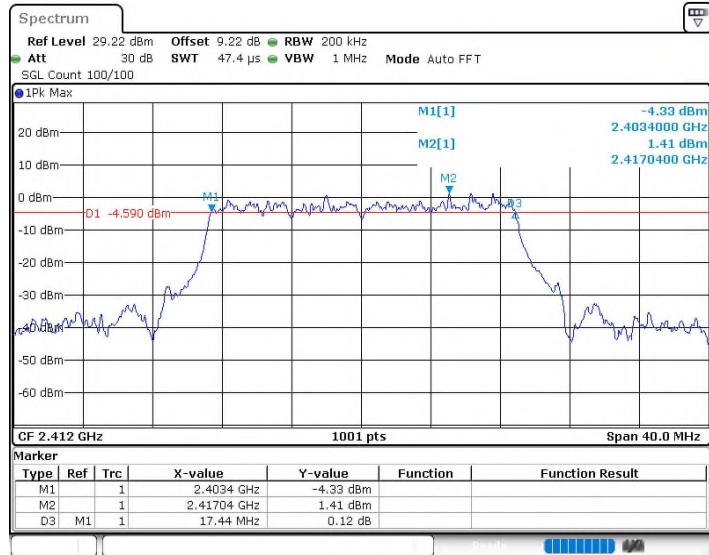
11G_Ant1_2437



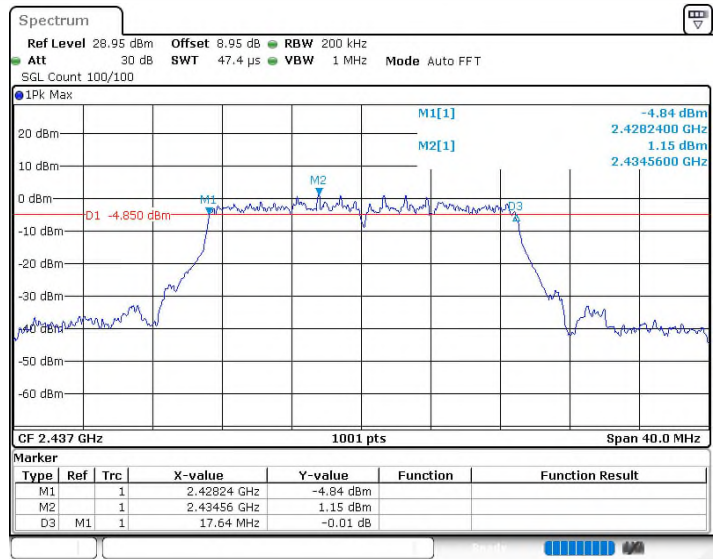
11G_Ant1_2462



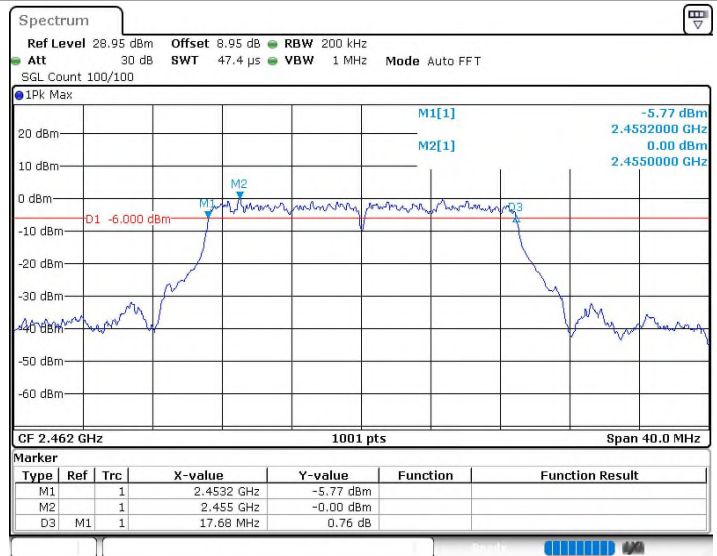
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



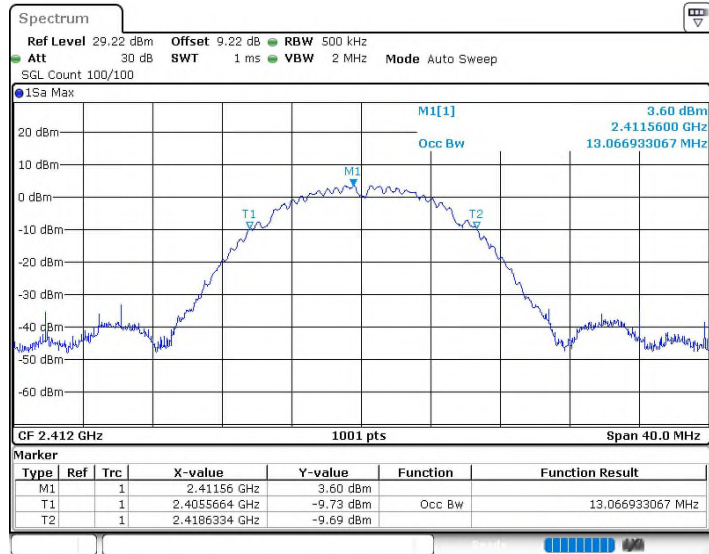
Appendix B: Occupied Channel Bandwidth

Test Result

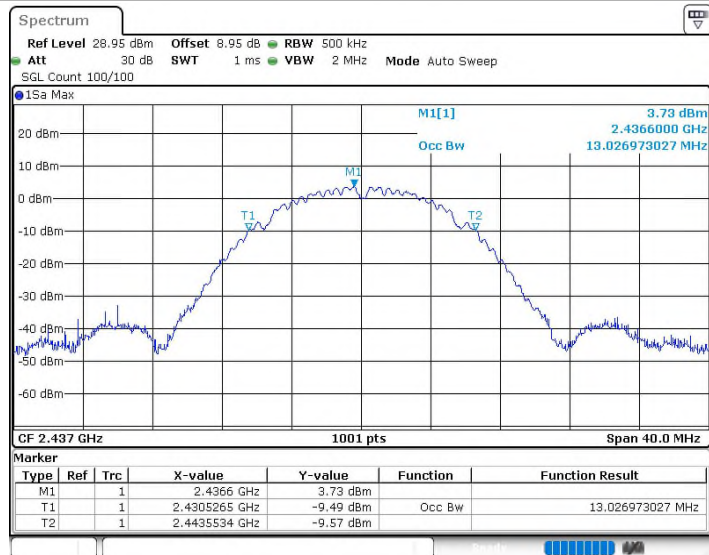
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.067	2405.5664	2418.6334	---	---
		2437	13.027	2430.5265	2443.5534	---	---
		2462	13.187	2455.4066	2468.5934	---	---
11G	Ant1	2412	16.903	2403.6484	2420.5514	---	---
		2437	17.023	2428.5684	2445.5914	---	---
		2462	16.983	2453.5285	2470.5115	---	---
11N20SISO	Ant1	2412	18.062	2403.0889	2421.1508	---	---
		2437	18.062	2428.0090	2446.0709	---	---
		2462	18.062	2453.0090	2471.0709	---	---

Test Graphs

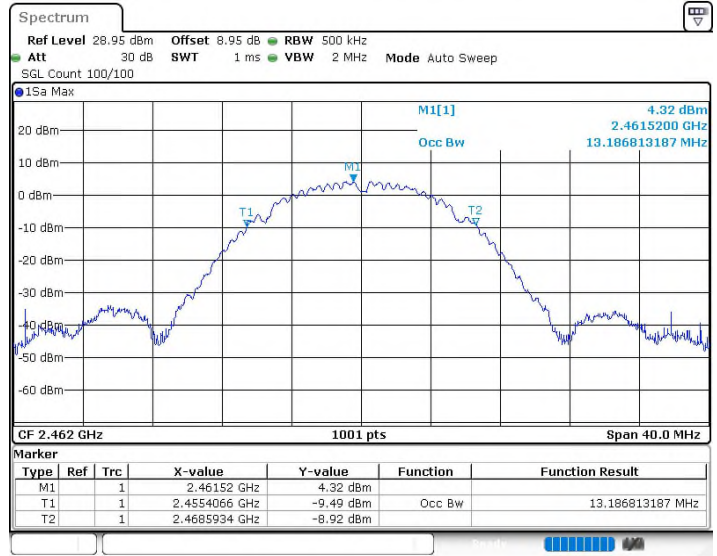
11B_Ant1_2412



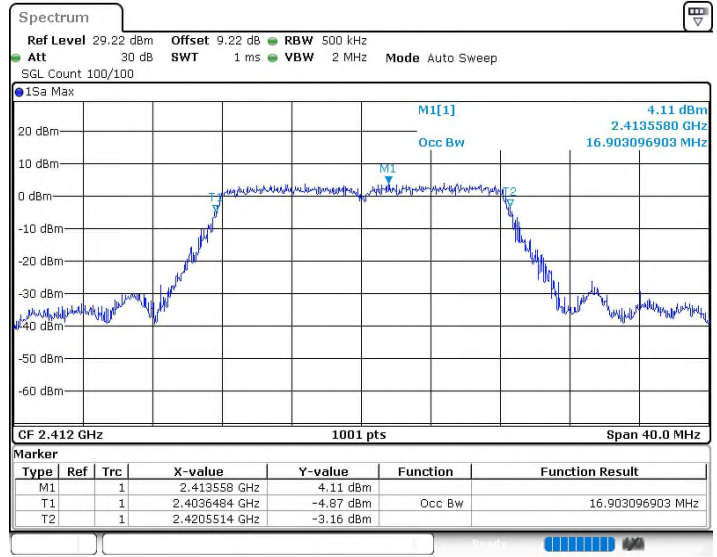
11B_Ant1_2437



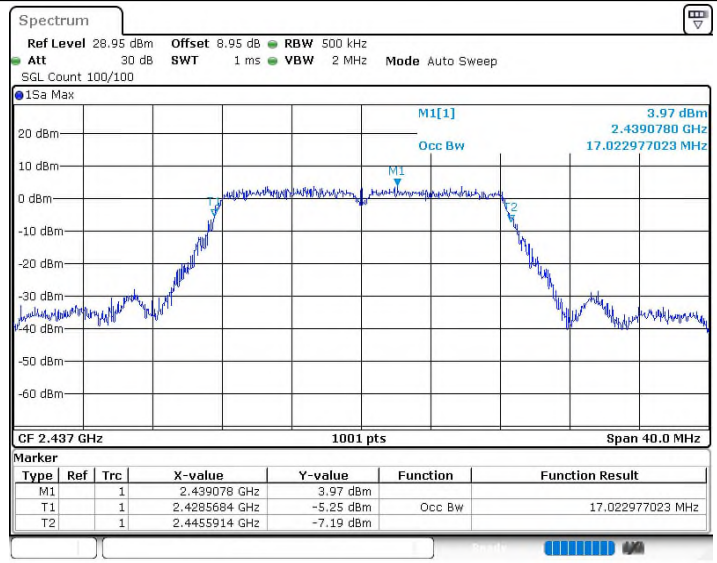
11B_Ant1_2462



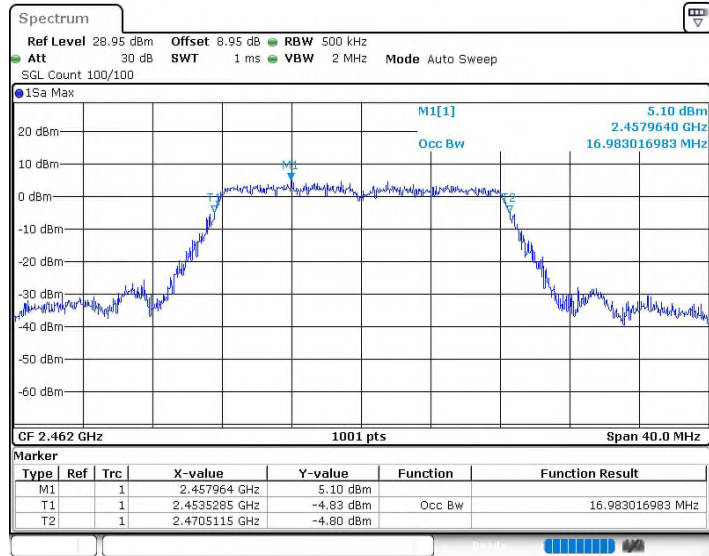
11G_Ant1_2412



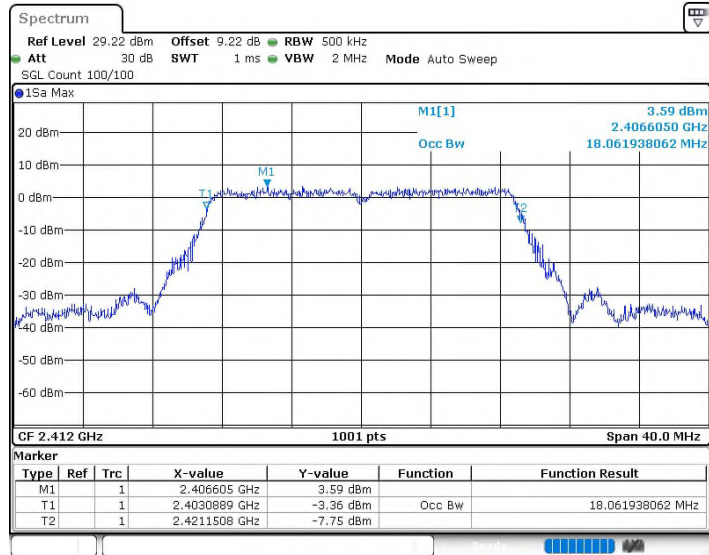
11G_Ant1_2437



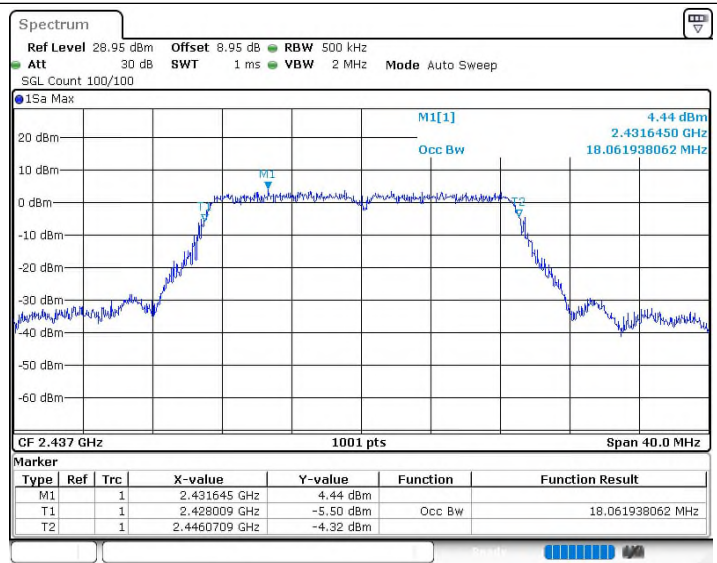
11G_Ant1_2462



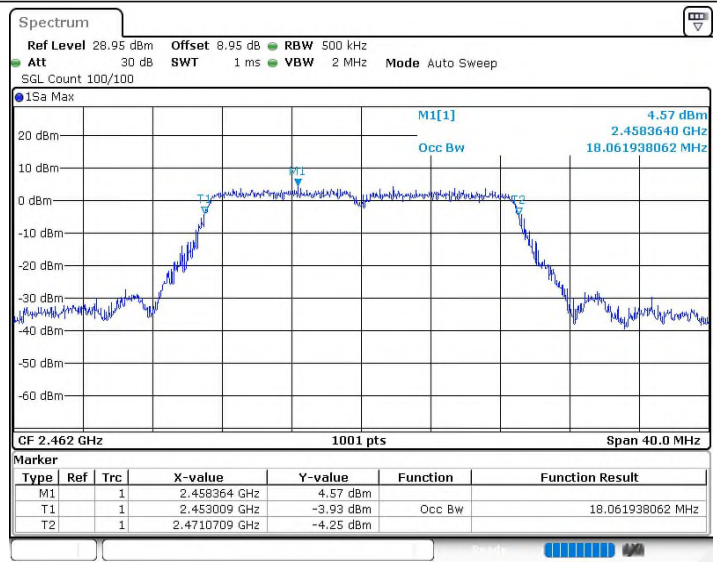
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Peak

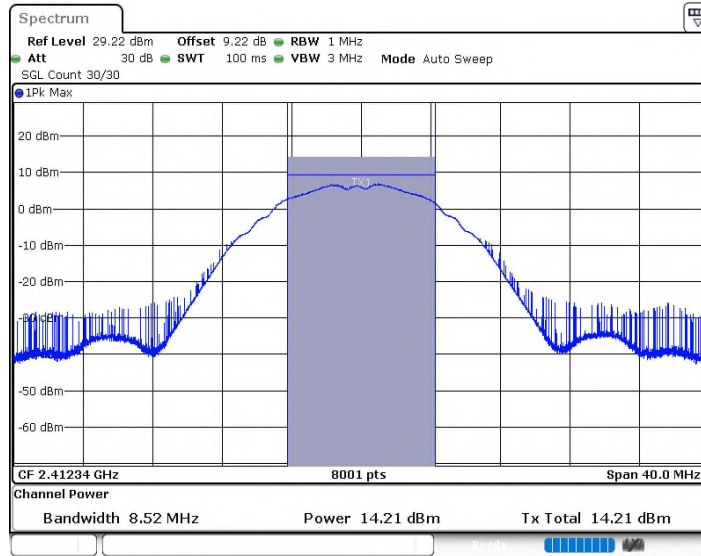
TestMode	Antenna	Channel	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	14.21	≤30.00	PASS
		2437	---	14.43	≤30.00	PASS
		2462	---	15.08	≤30.00	PASS
11G	Ant1	2412	---	19.21	≤30.00	PASS
		2437	---	18.90	≤30.00	PASS
		2462	---	19.34	≤30.00	PASS
11N20SIS O	Ant1	2412	---	19.01	≤30.00	PASS
		2437	---	19.10	≤30.00	PASS
		2462	---	19.38	≤30.00	PASS

Test Result Average

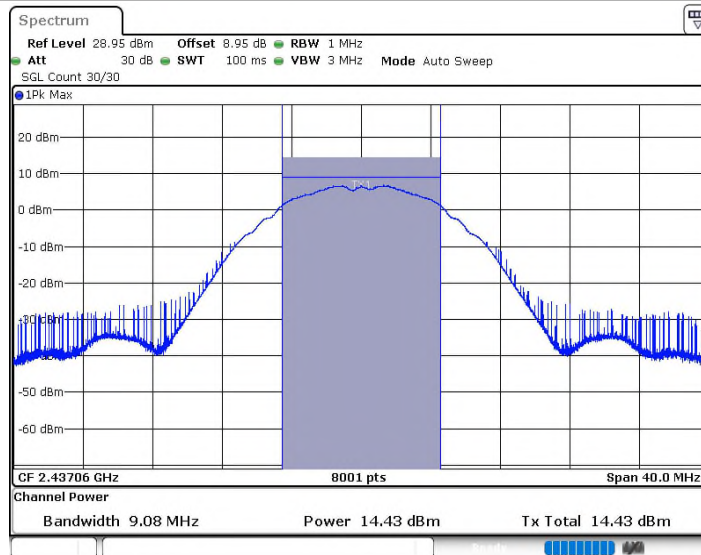
Test Mode	Antenna	Channel	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
TestMode	Antenna	Channel	SetPower	RawPower	DC	DcFactor	Result	Limit	Gain	EIRP	Limit1	Verdict

Test Graphs Peak

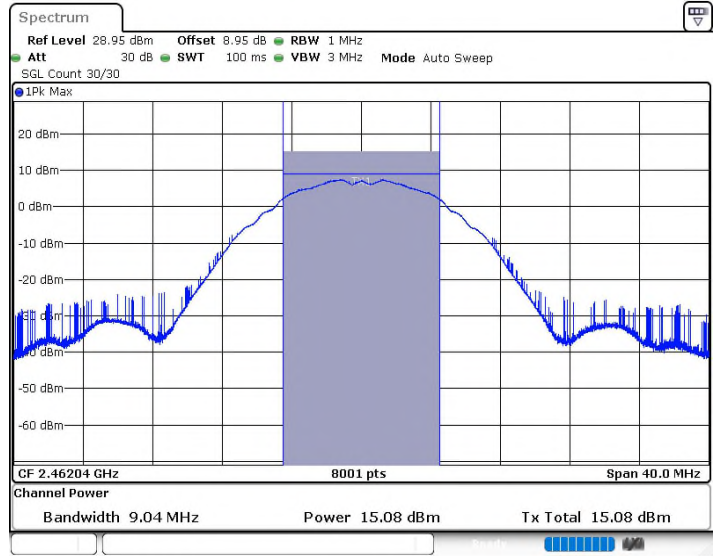
11B_Ant1_2412



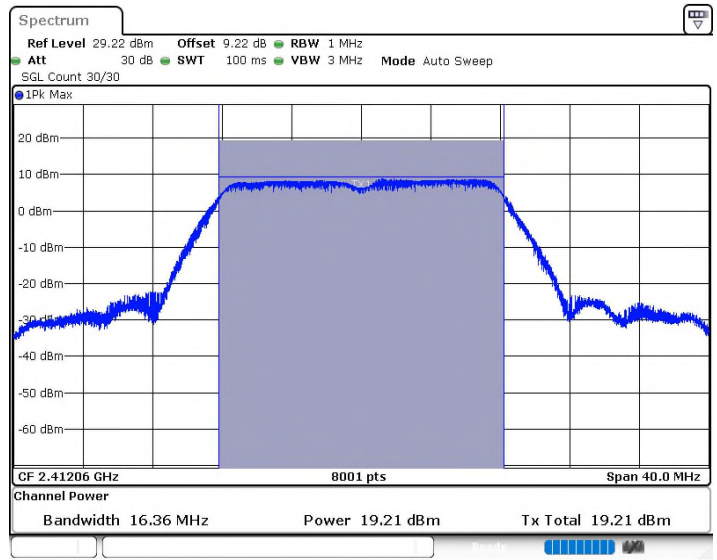
11B_Ant1_2437



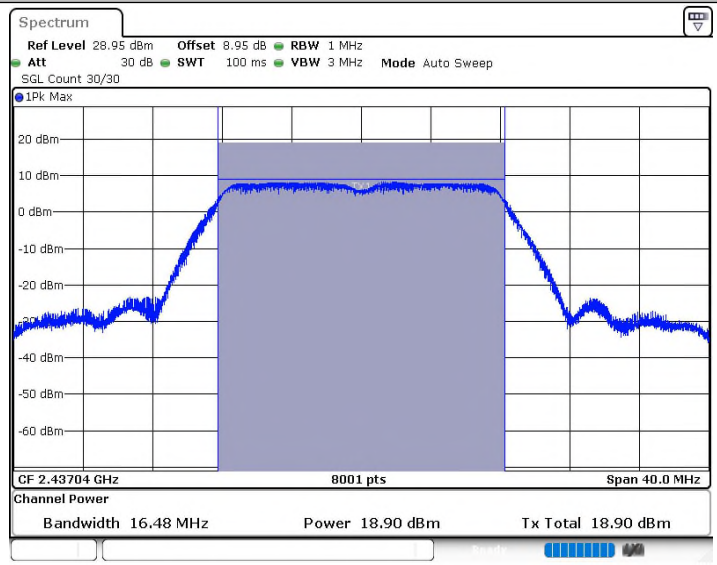
11B_Ant1_2462



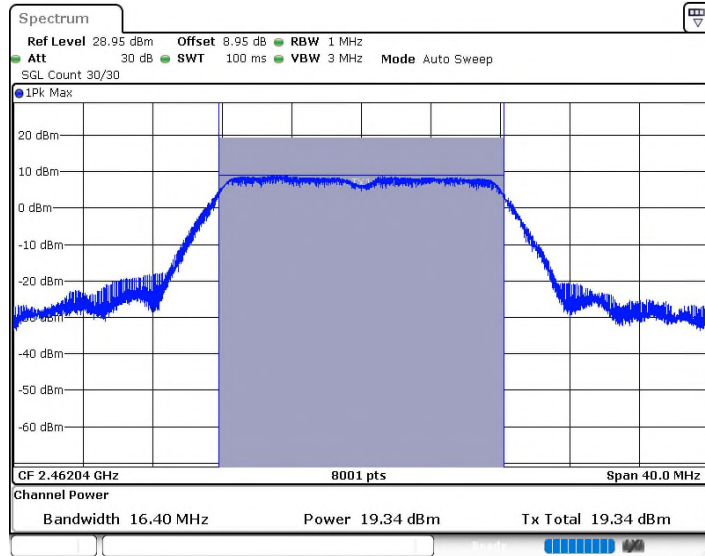
11G_Ant1_2412



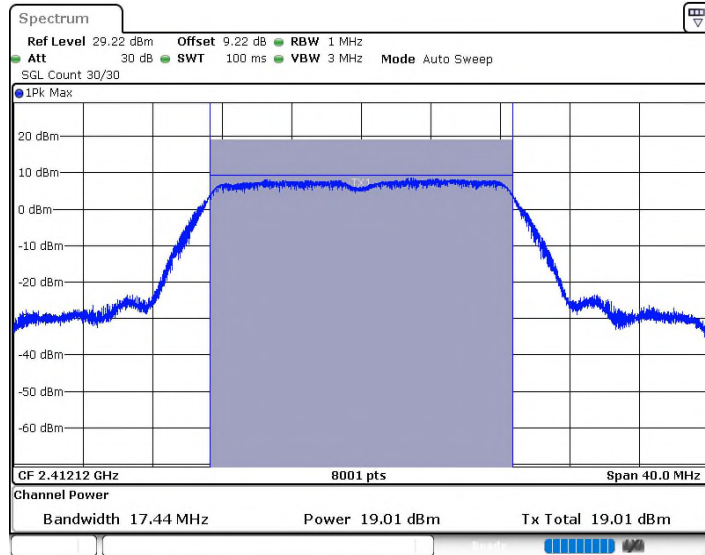
11G_Ant1_2437



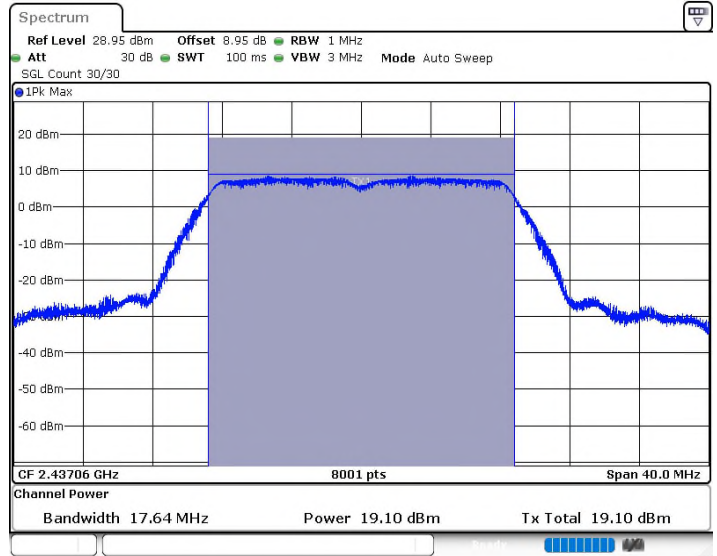
11G_Ant1_2462



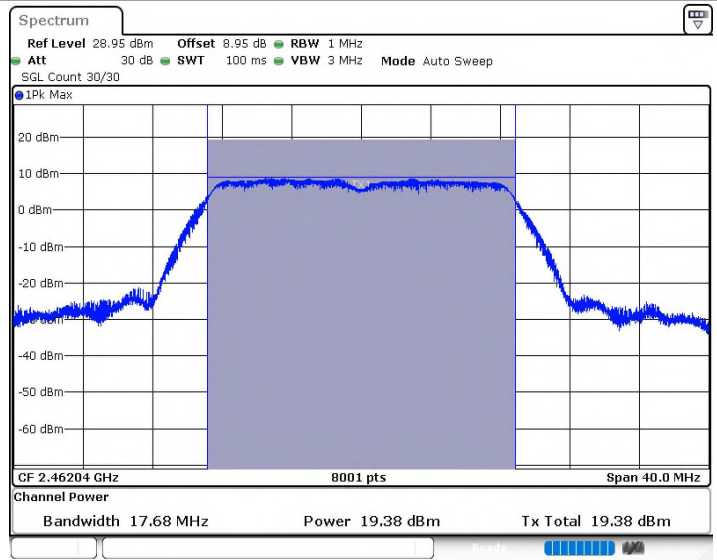
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Maximum conducted output power

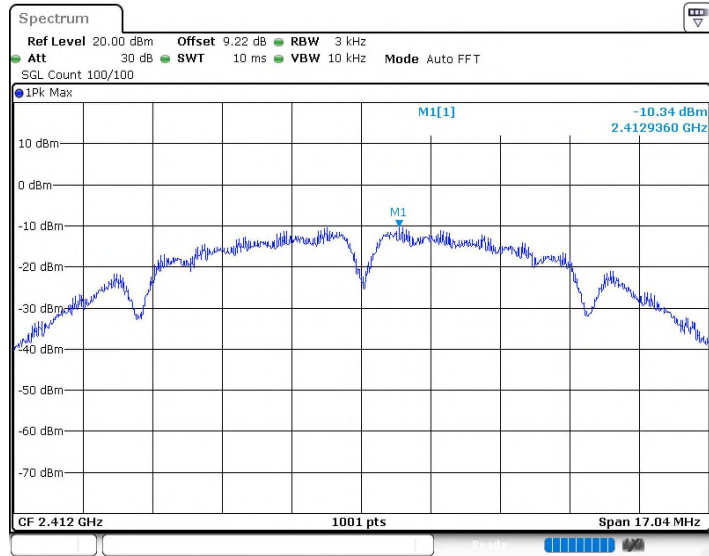
Appendix D: Maximum power spectral density

Test Result

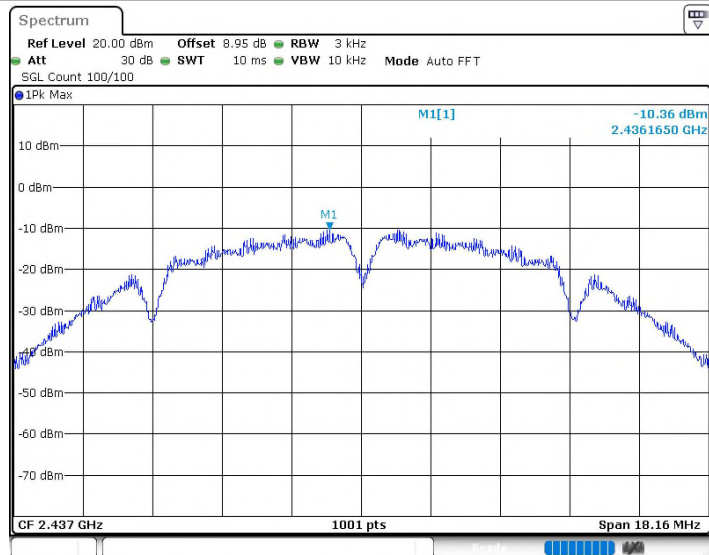
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.34	≤8.00	PASS
		2437	-10.36	≤8.00	PASS
		2462	-9.68	≤8.00	PASS
11G	Ant1	2412	-13.77	≤8.00	PASS
		2437	-13.86	≤8.00	PASS
		2462	-13.24	≤8.00	PASS
11N20SISO	Ant1	2412	-14.48	≤8.00	PASS
		2437	-14.64	≤8.00	PASS
		2462	-14.20	≤8.00	PASS

Test Graphs

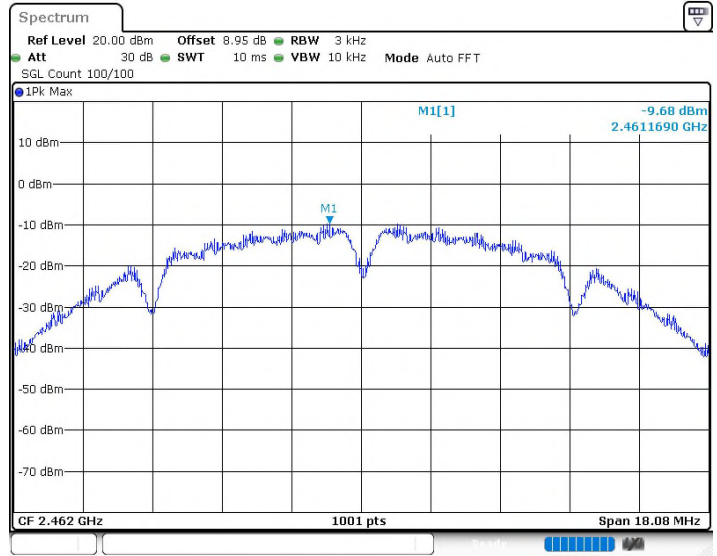
11B_Ant1_2412



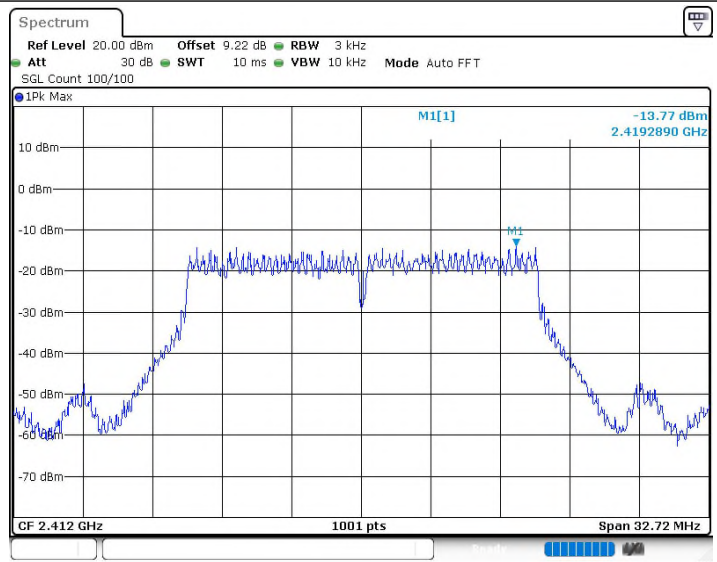
11B_Ant1_2437



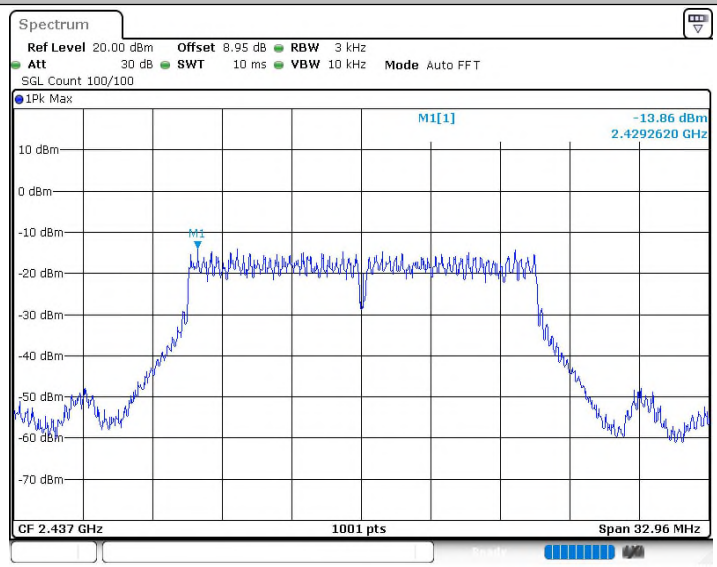
11B_Ant1_2462



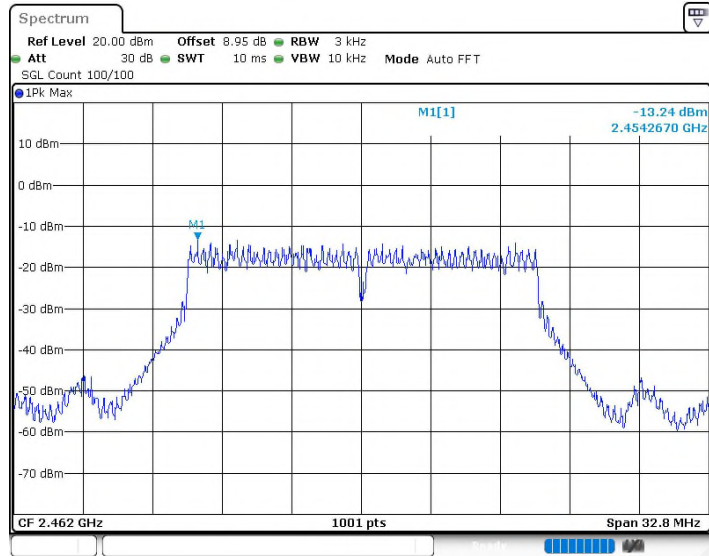
11G_Ant1_2412



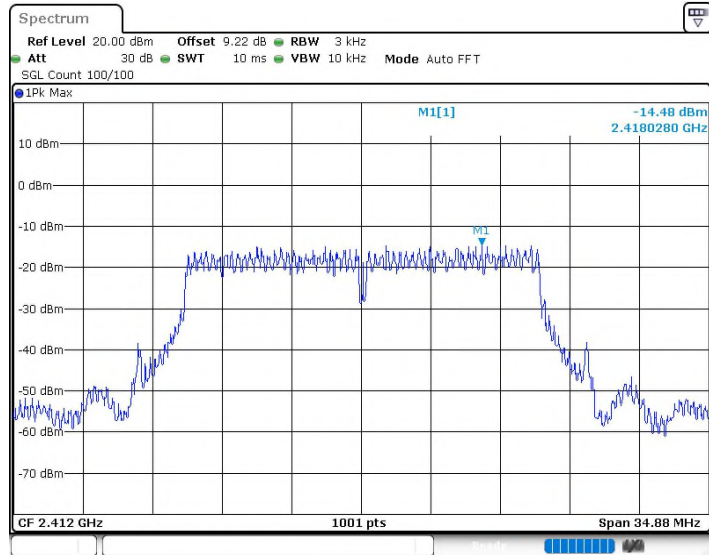
11G_Ant1_2437



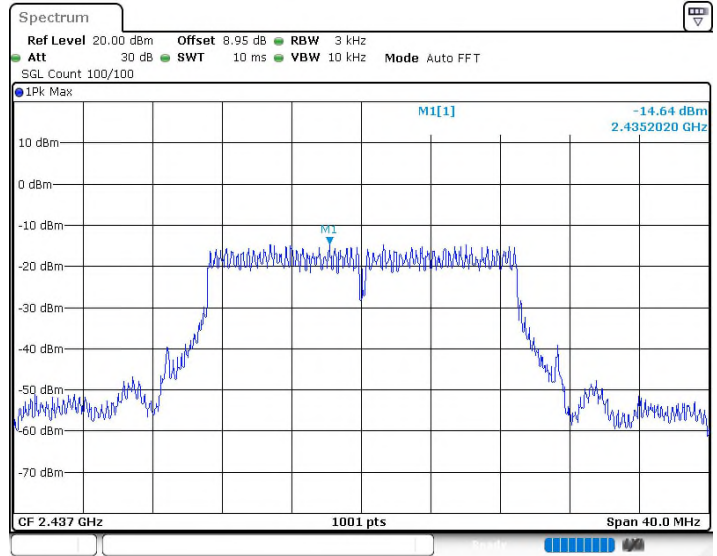
11G_Ant1_2462



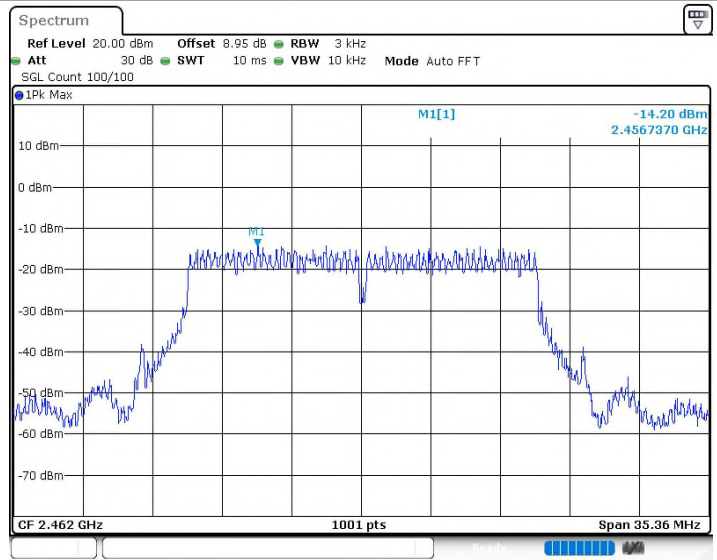
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



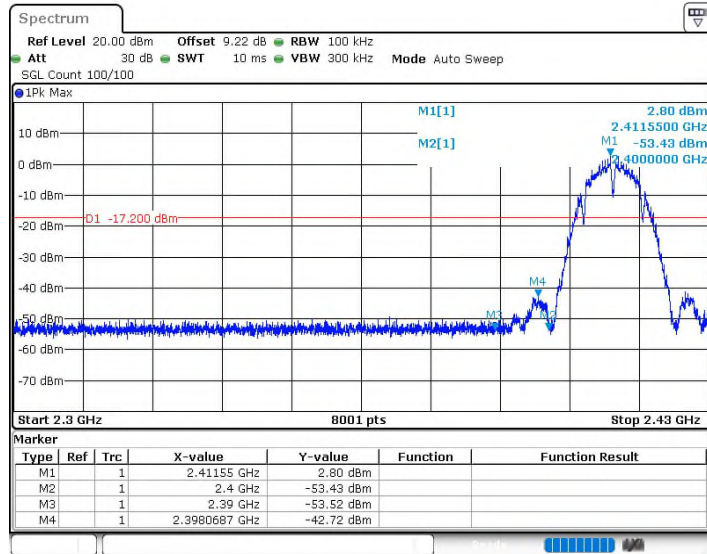
Appendix E: Band edge measurements

Test Result

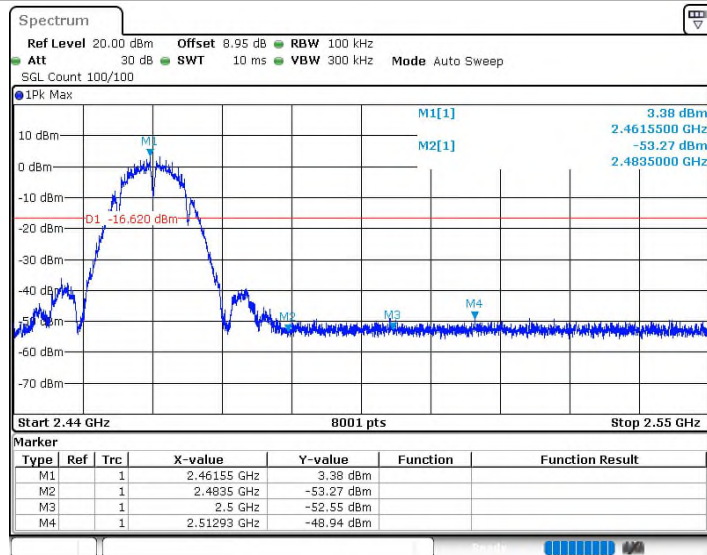
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.80	-42.72	≤-17.2	PASS
		High	2462	3.38	-48.94	≤-16.62	PASS
11G	Ant1	Low	2412	-0.78	-36.68	≤-20.78	PASS
		High	2462	0.78	-46.84	≤-19.22	PASS
11N20SISO	Ant1	Low	2412	-0.23	-34.04	≤-20.23	PASS
		High	2462	-1.35	-46.33	≤-21.35	PASS

Test Graphs

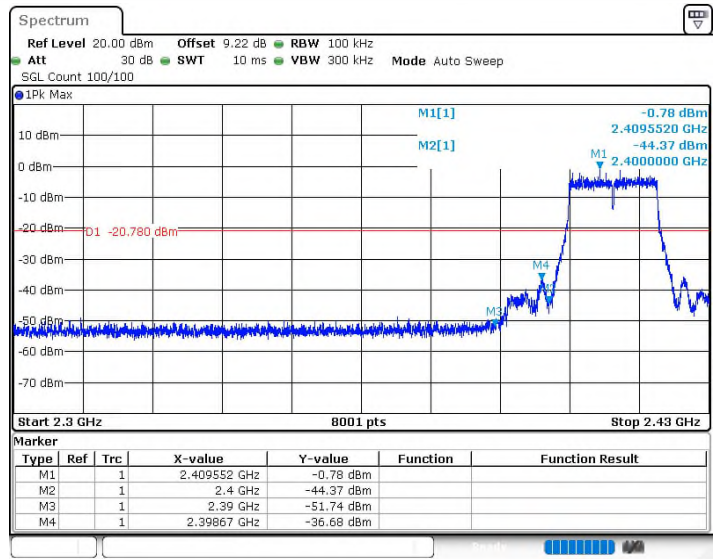
11B_Ant1_Low_2412



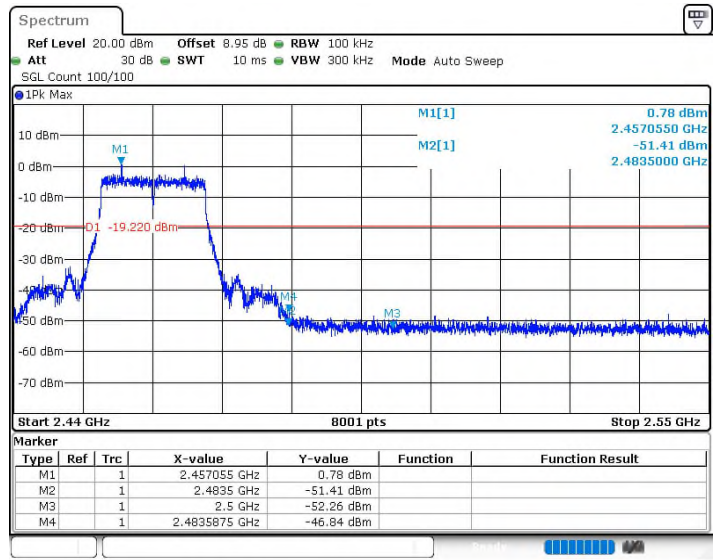
11B_Ant1_High_2462



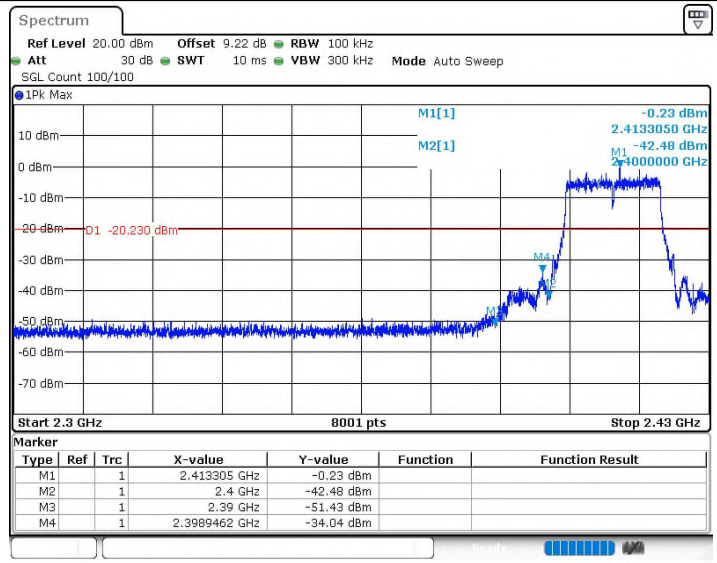
11G_Ant1_Low_2412



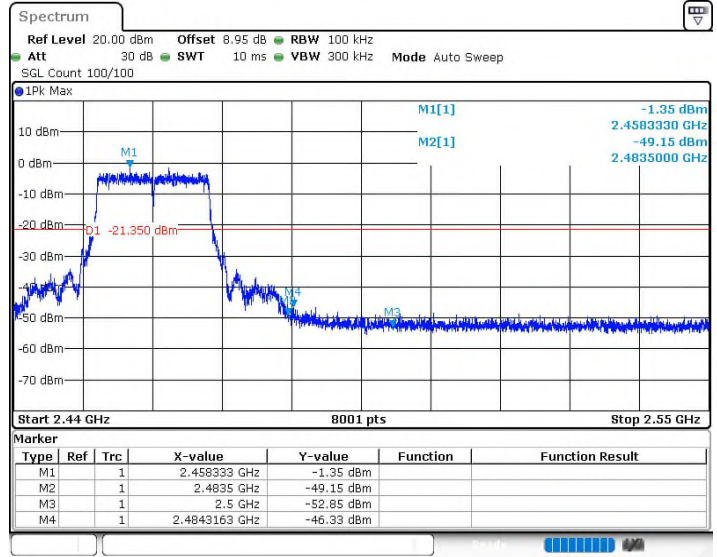
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

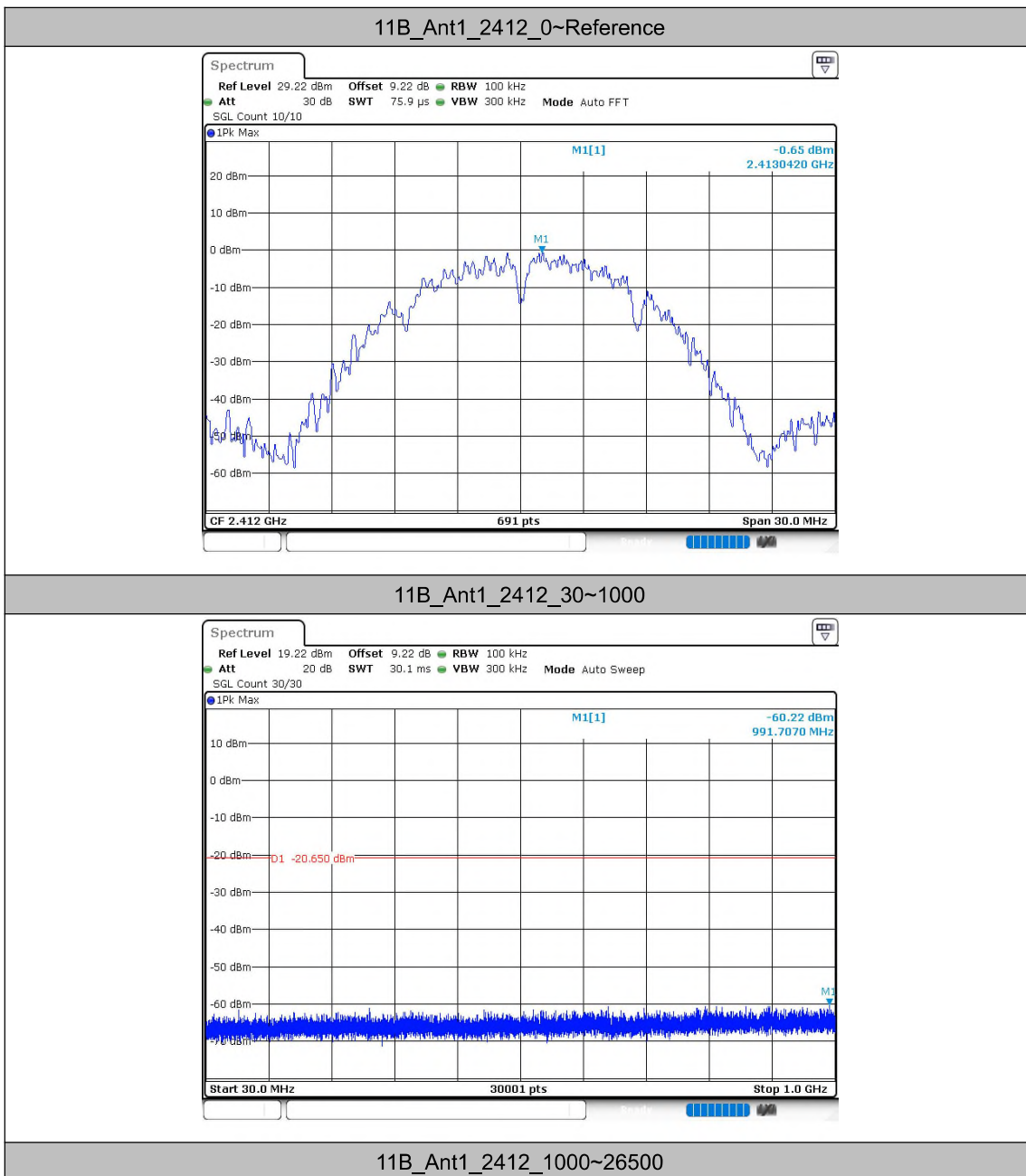


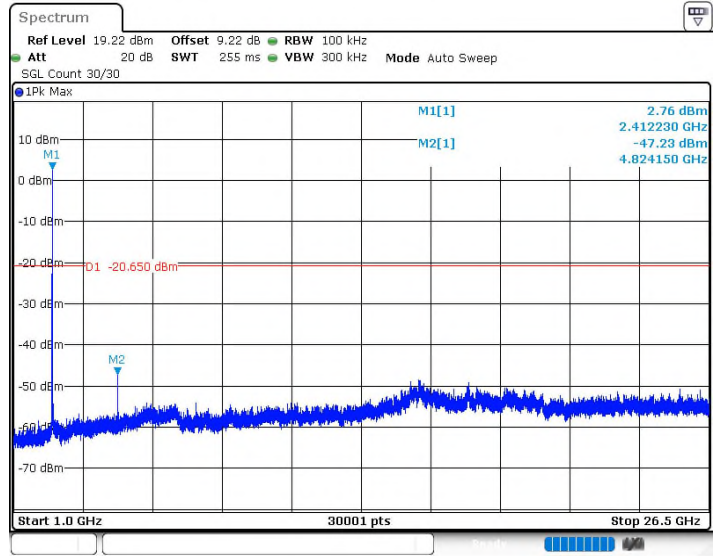
Appendix F: Conducted Spurious Emission

Test Result

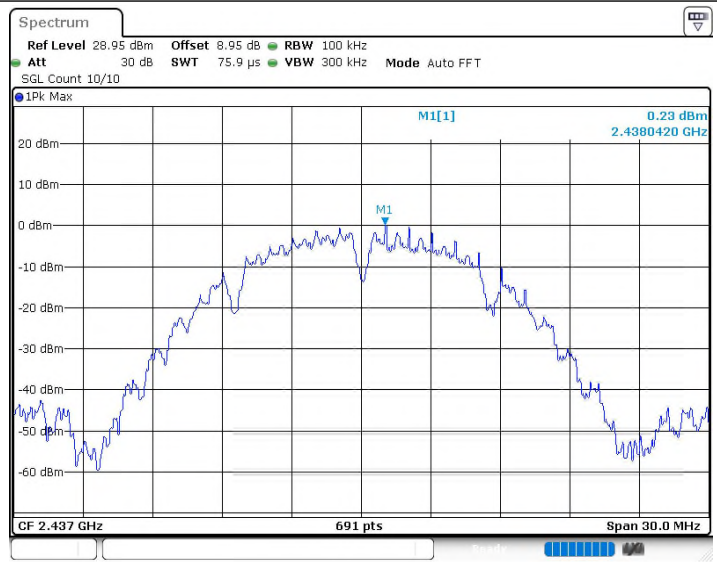
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.65	-0.65	---	PASS
			30~1000	-0.65	-60.22	≤-20.65	PASS
			1000~26500	-0.65	-47.23	≤-20.65	PASS
		2437	Reference	0.23	0.23	---	PASS
			30~1000	0.23	-59.29	≤-19.77	PASS
			1000~26500	0.23	-47.61	≤-19.77	PASS
		2462	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-60.37	≤-19.7	PASS
			1000~26500	0.30	-47.43	≤-19.7	PASS
11G	Ant1	2412	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-60	≤-24.3	PASS
			1000~26500	-4.30	-48.94	≤-24.3	PASS
		2437	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-60.77	≤-23.44	PASS
			1000~26500	-3.44	-48.57	≤-23.44	PASS
		2462	Reference	-2.35	-2.35	---	PASS
			30~1000	-2.35	-49.19	≤-22.35	PASS
			1000~26500	-2.35	-49.05	≤-22.35	PASS
11N20SISO	Ant1	2412	Reference	-3.88	-3.88	---	PASS
			30~1000	-3.88	-59.74	≤-23.88	PASS
			1000~26500	-3.88	-48.94	≤-23.88	PASS
		2437	Reference	-4.28	-4.28	---	PASS
			30~1000	-4.28	-59.77	≤-24.28	PASS
			1000~26500	-4.28	-48.48	≤-24.28	PASS
		2462	Reference	-3.35	-3.35	---	PASS
			30~1000	-3.35	-60.3	≤-23.35	PASS
			1000~26500	-3.35	-49.04	≤-23.35	PASS

Test Graphs

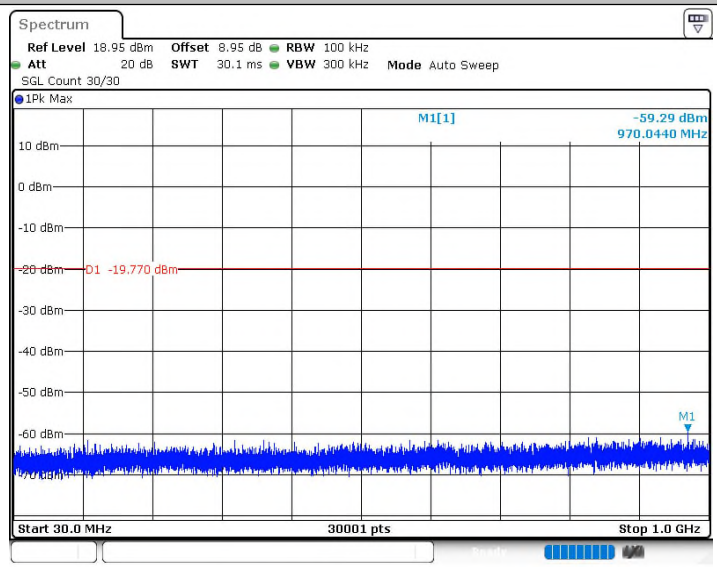




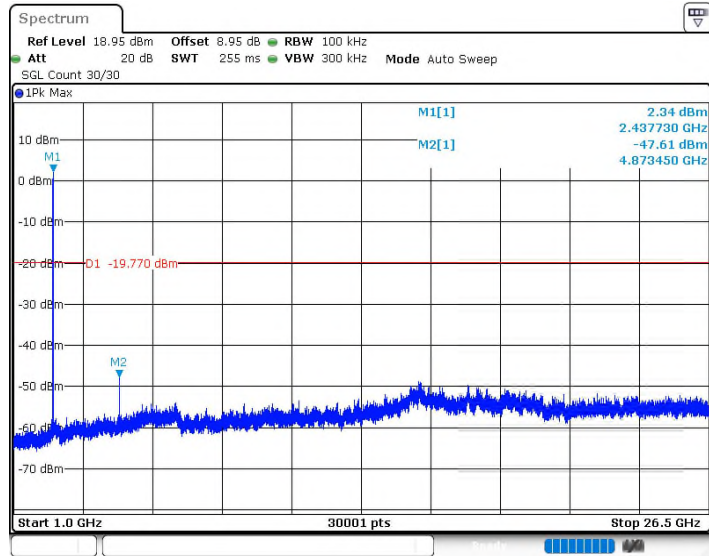
11B_Ant1_2437_0~Reference



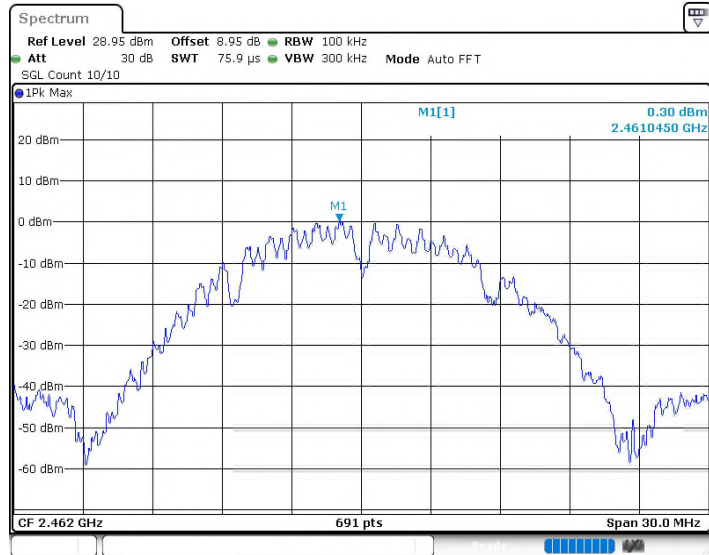
11B_Ant1_2437_30~1000



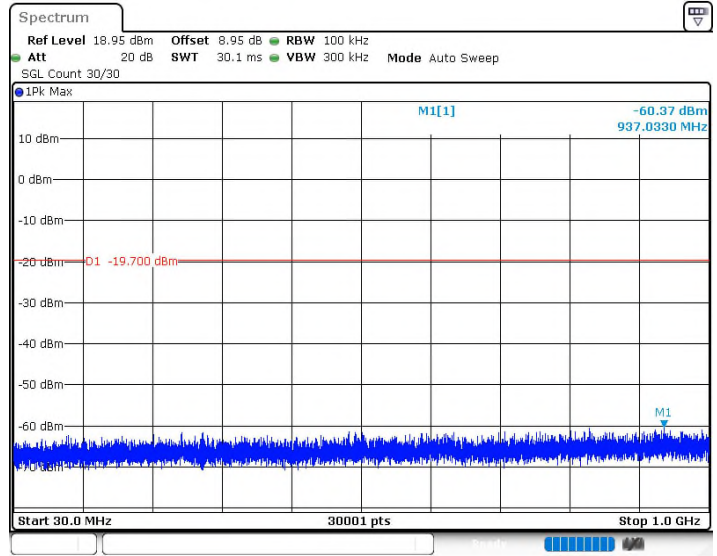
11B_Ant1_2437_1000~26500



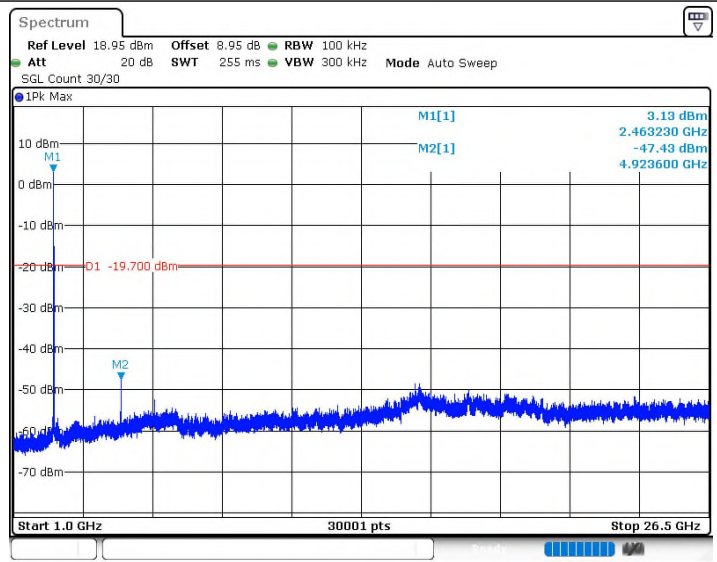
11B_Ant1_2462_0~Reference



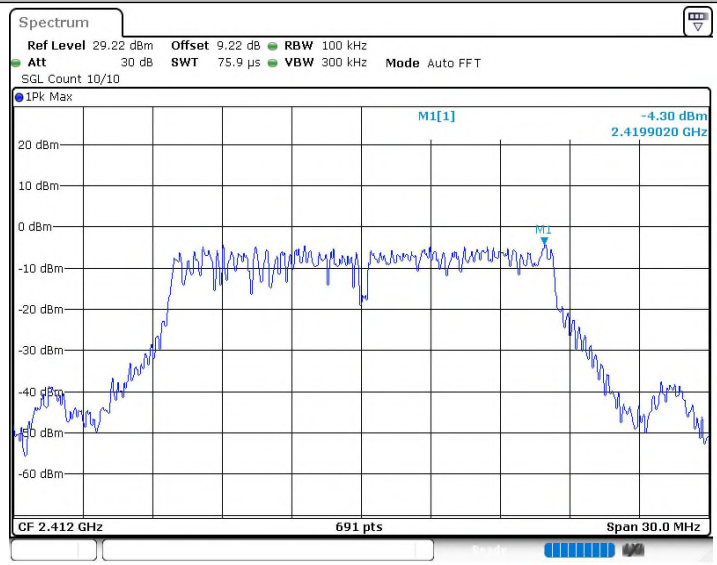
11B_Ant1_2462_30~1000



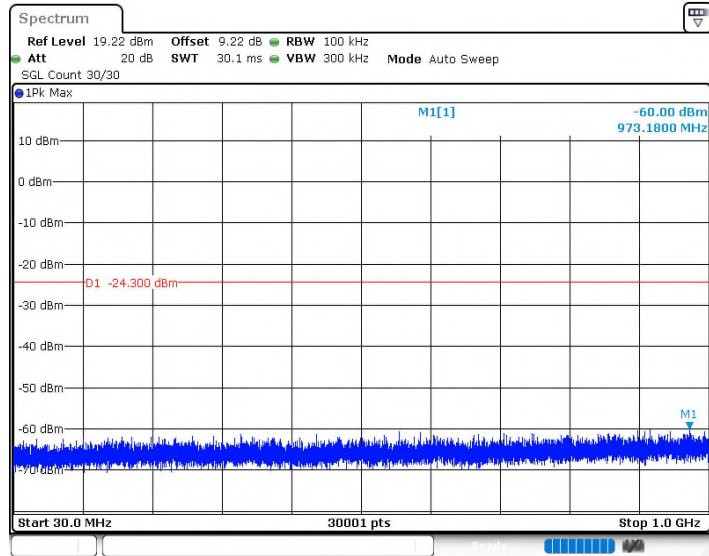
11B_Ant1_2462_1000~26500



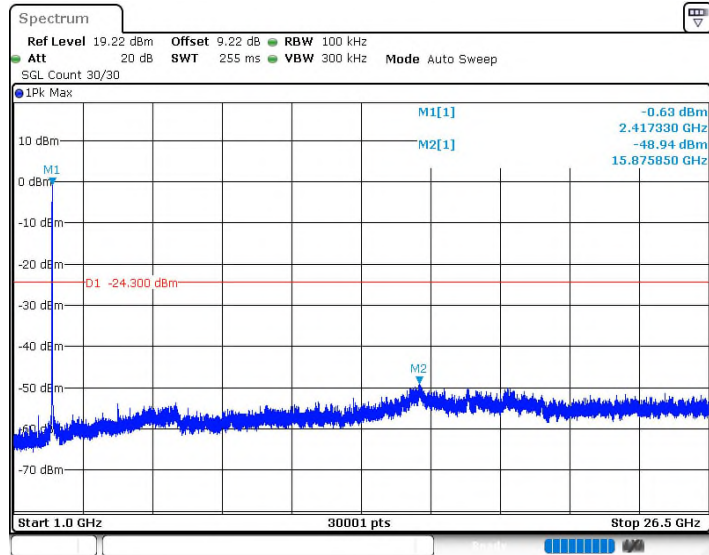
11G_Ant1_2412_0~Reference



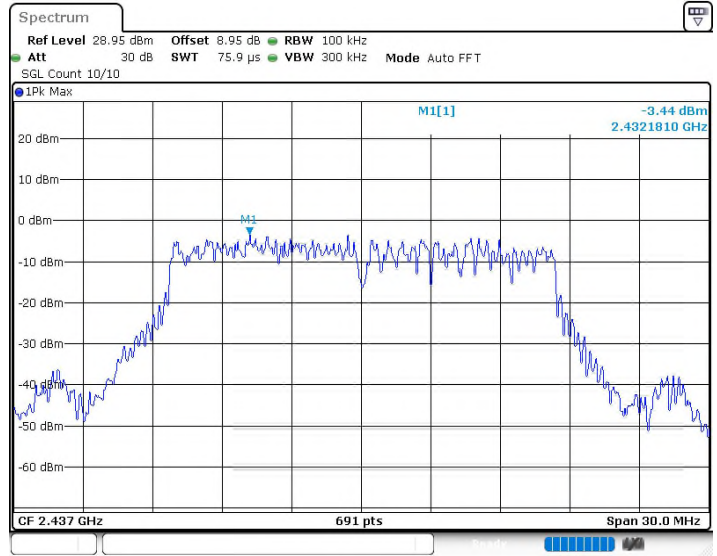
11G_Ant1_2412_30~1000



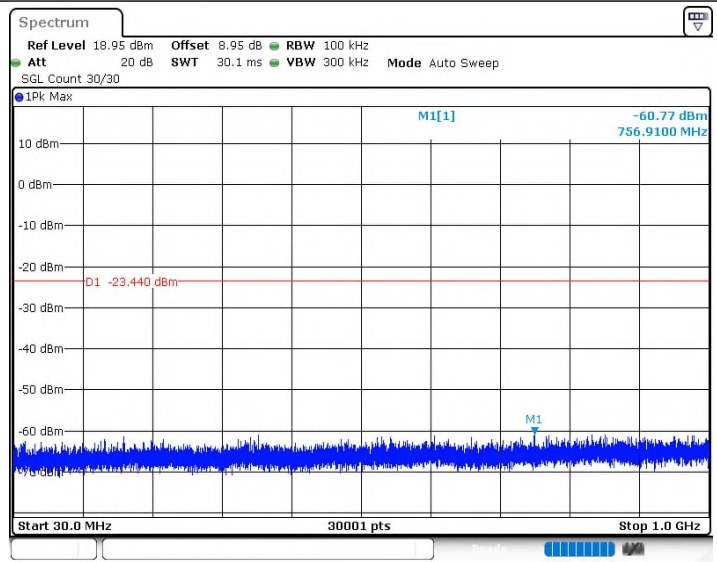
11G_Ant1_2412_1000~26500



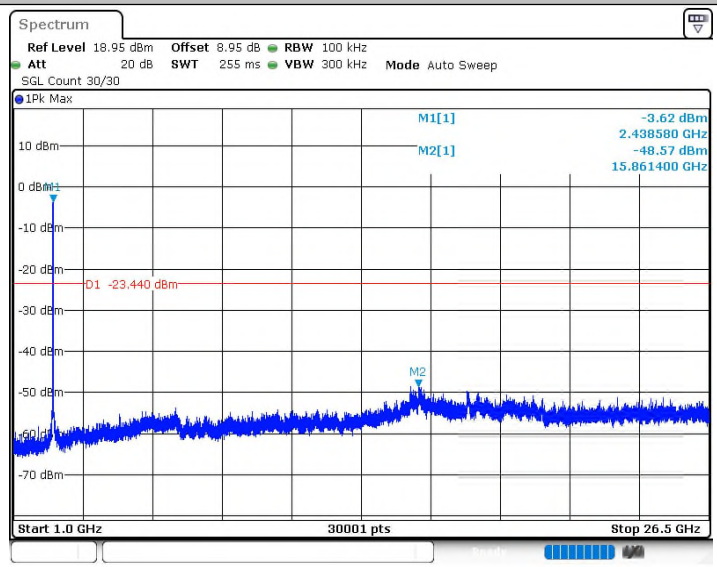
11G_Ant1_2437_0~Reference



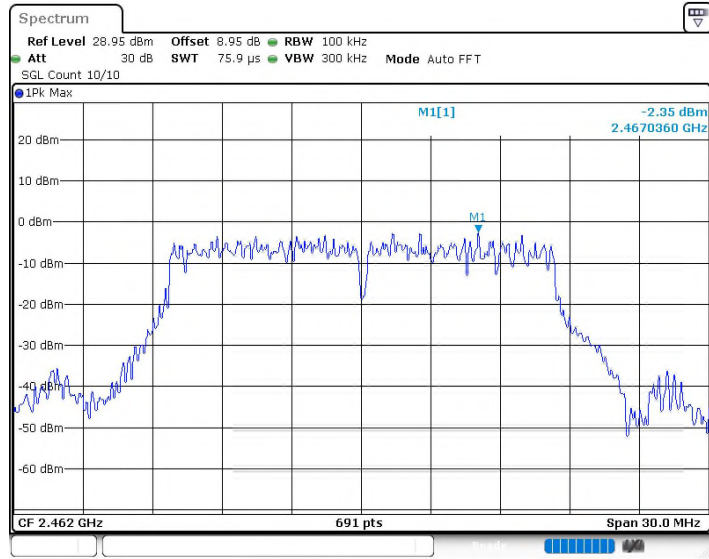
11G_Ant1_2437_30~1000



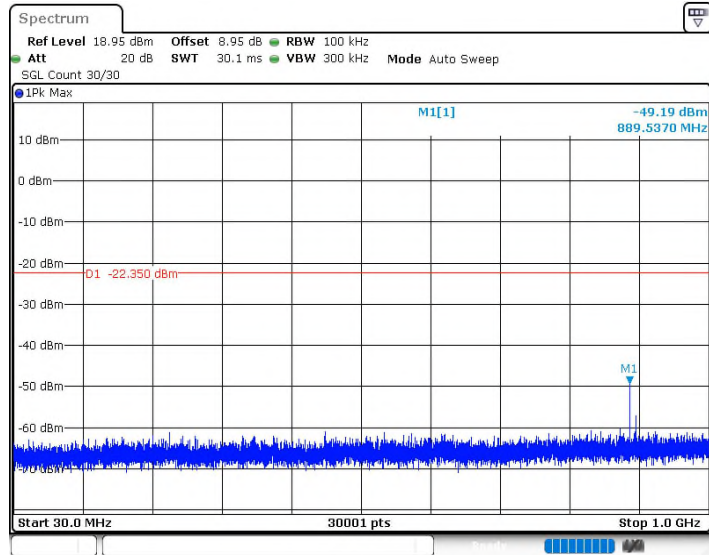
11G_Ant1_2437_1000~26500



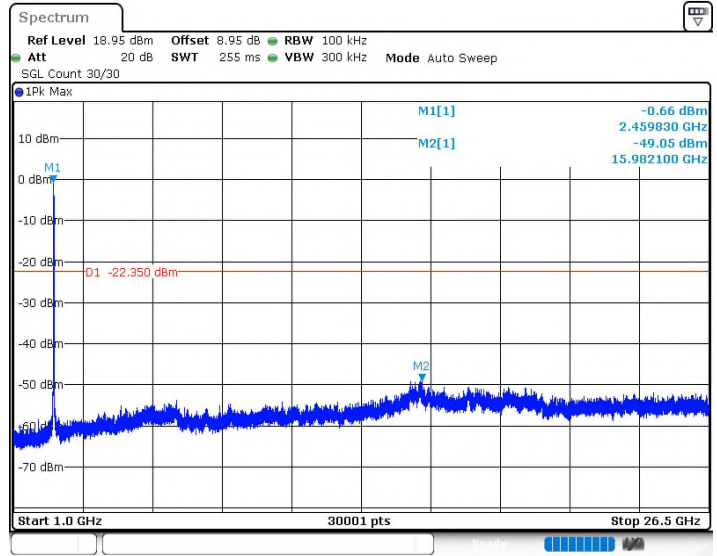
11G_Ant1_2462_0~Reference



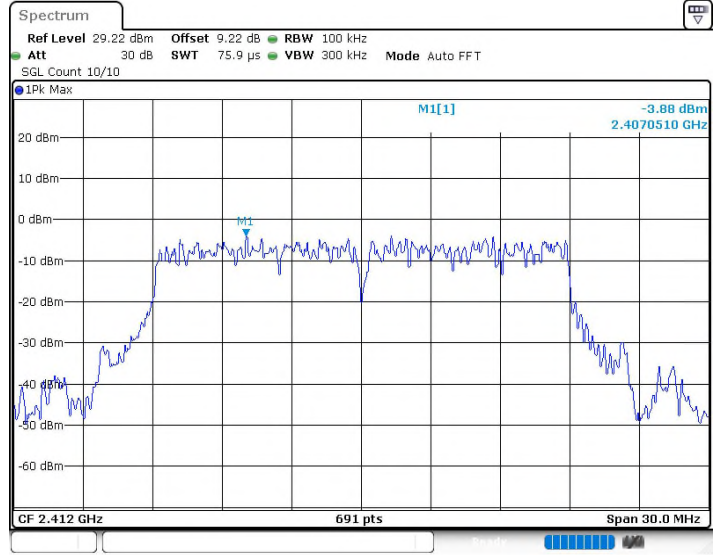
11G_Ant1_2462_30~1000



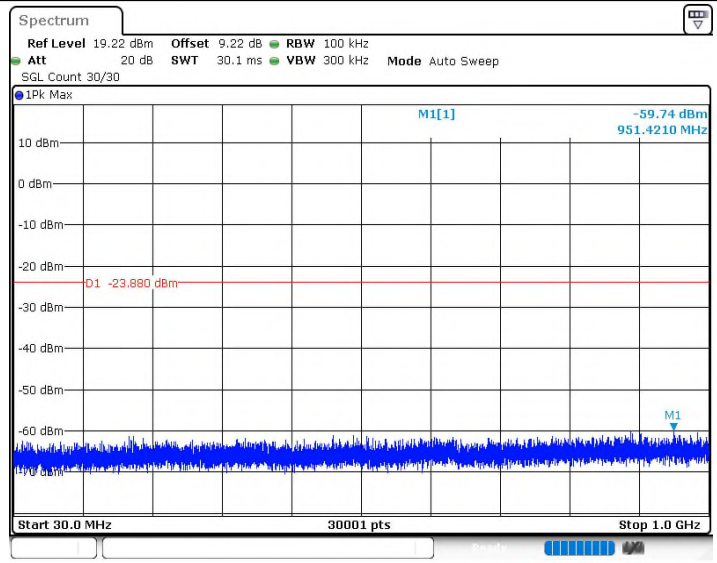
11G_Ant1_2462_1000~26500



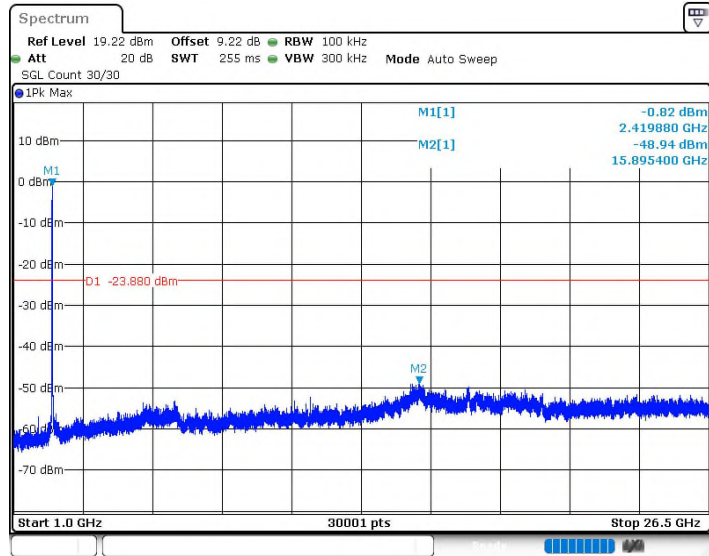
11N20SISO_Ant1_2412_0~Reference



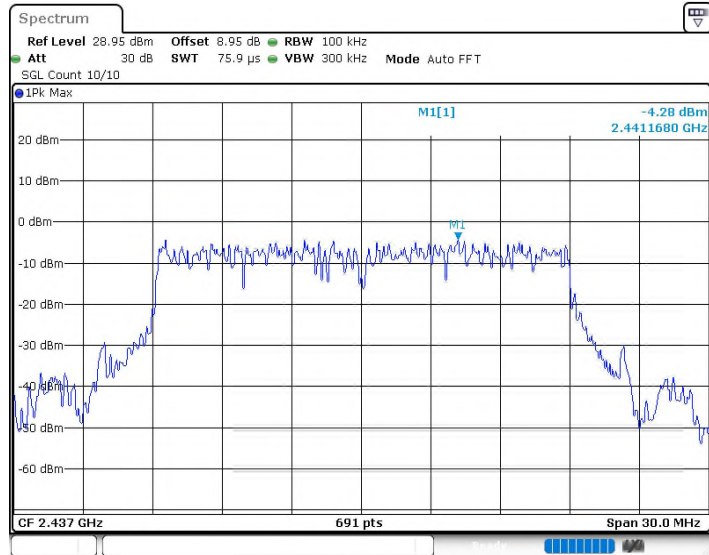
11N20SISO_Ant1_2412_30~1000



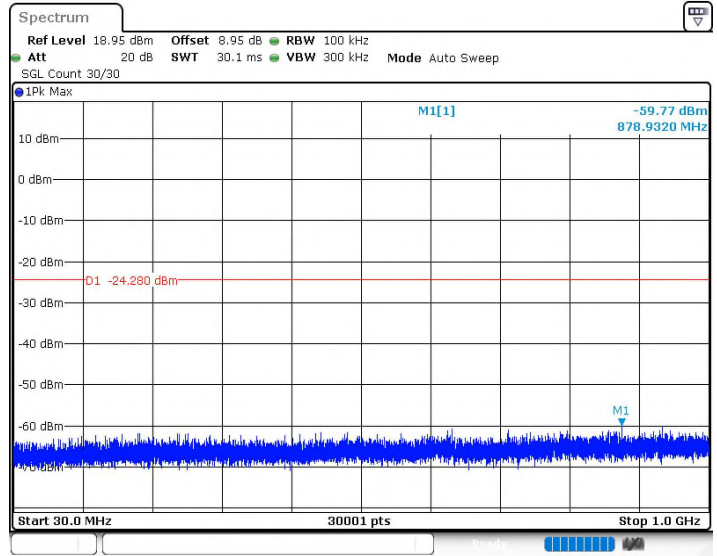
11N20SISO_Ant1_2412_1000~26500



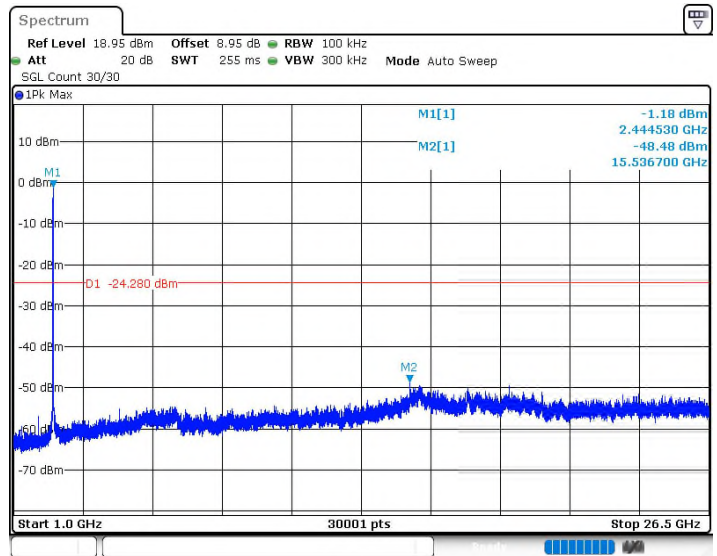
11N20SISO_Ant1_2437_0~Reference



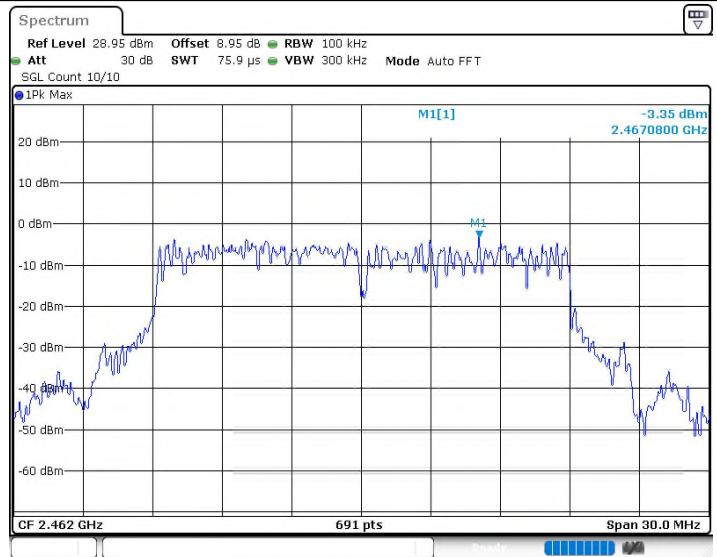
11N20SISO_Ant1_2437_30~1000



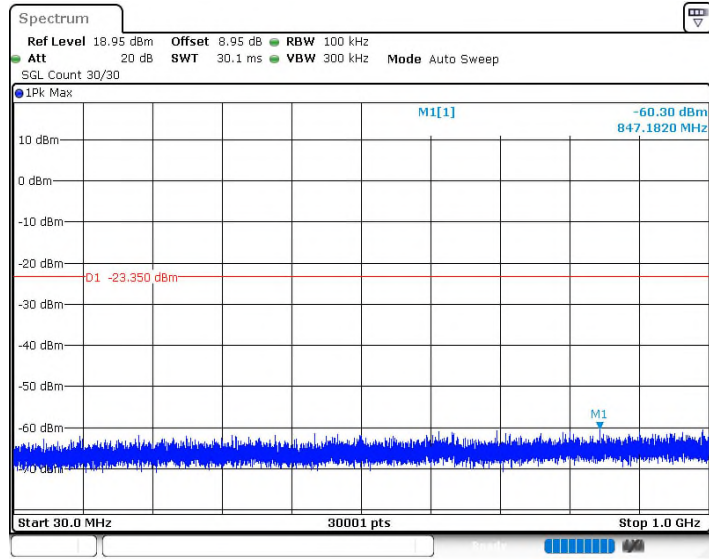
11N20SISO_Ant1_2437_1000~26500



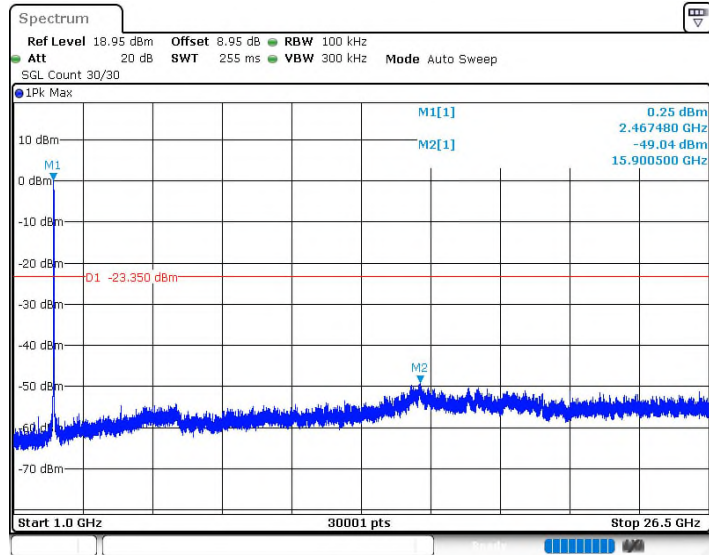
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



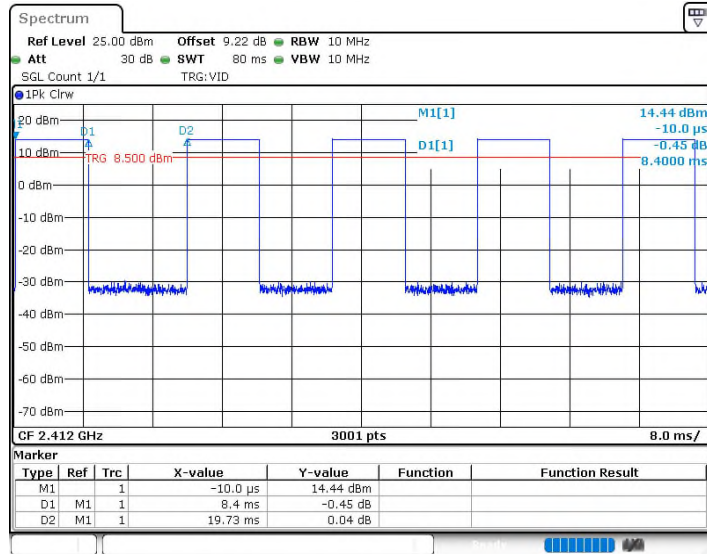
Appendix G: Duty Cycle

Test Result

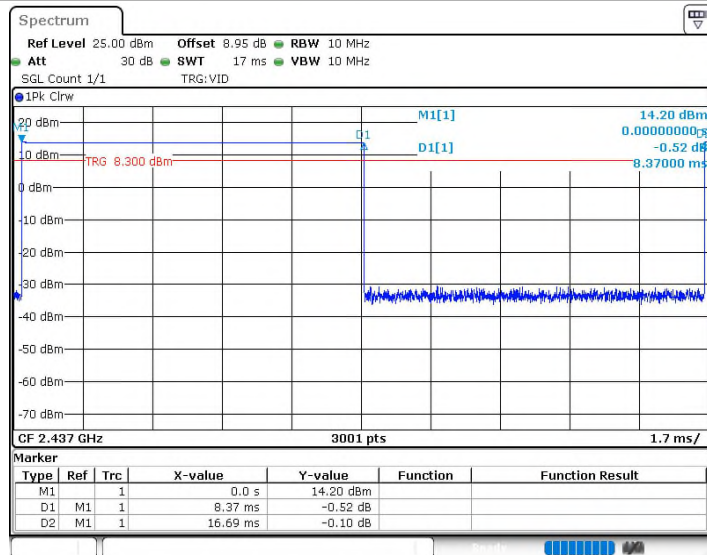
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.40	19.73	42.57	---	---
		2437	8.37	16.69	50.15	---	---
		2462	8.38	16.69	50.21	---	---
11G	Ant1	2412	2.02	4.04	50.00	---	---
		2437	2.03	4.05	50.12	---	---
		2462	2.02	4.04	50.00	---	---
11N20SISO	Ant1	2412	1.89	3.75	50.40	---	---
		2437	1.89	3.71	50.94	---	---
		2462	1.89	3.71	50.94	---	---

Test Graphs

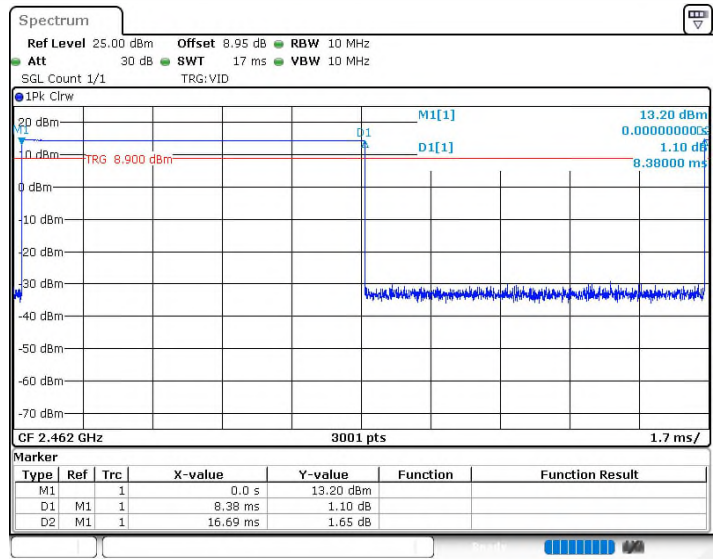
11B_Ant1_2412



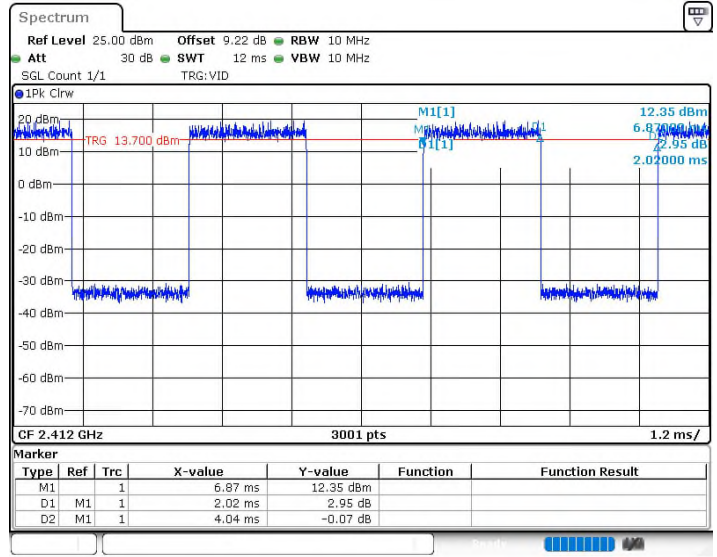
11B_Ant1_2437



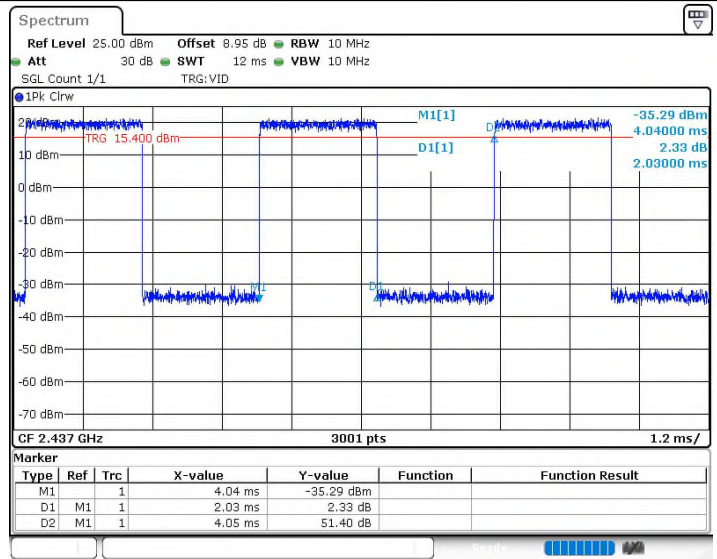
11B_Ant1_2462



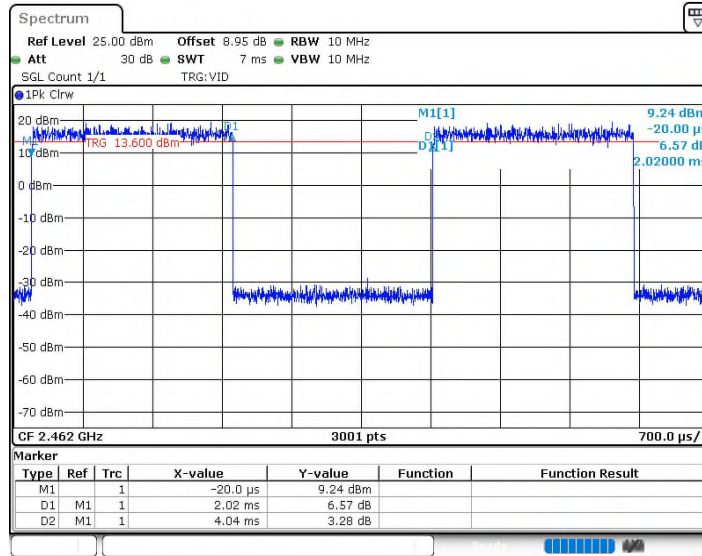
11G_Ant1_2412



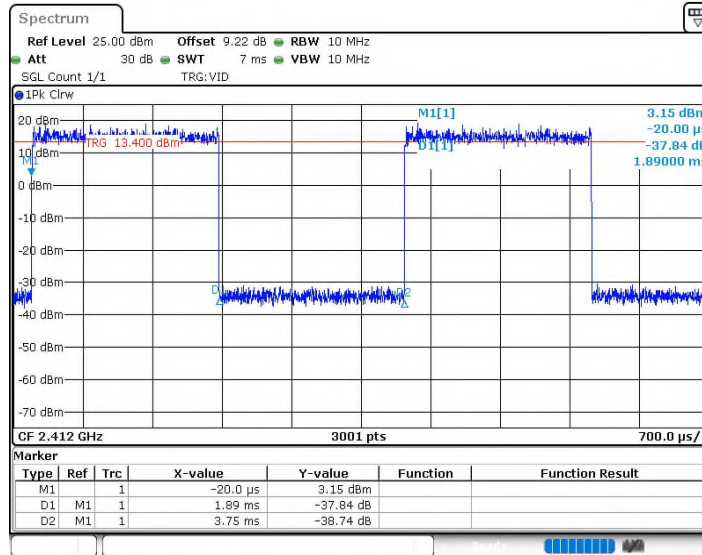
11G_Ant1_2437



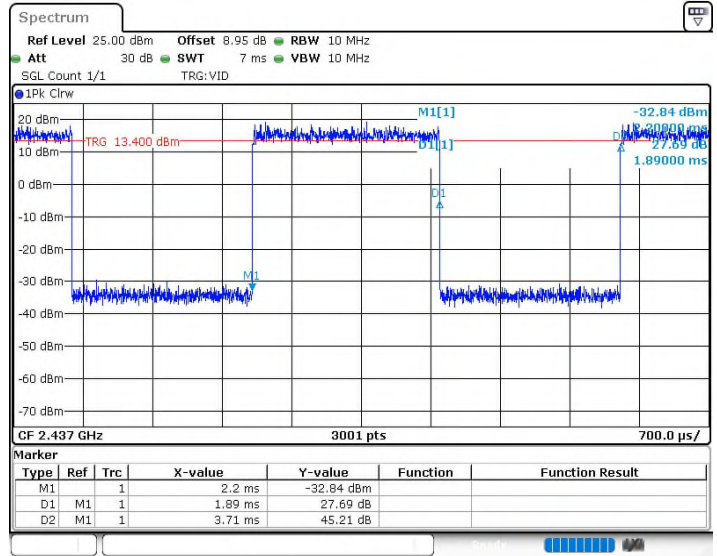
11G_Ant1_2462



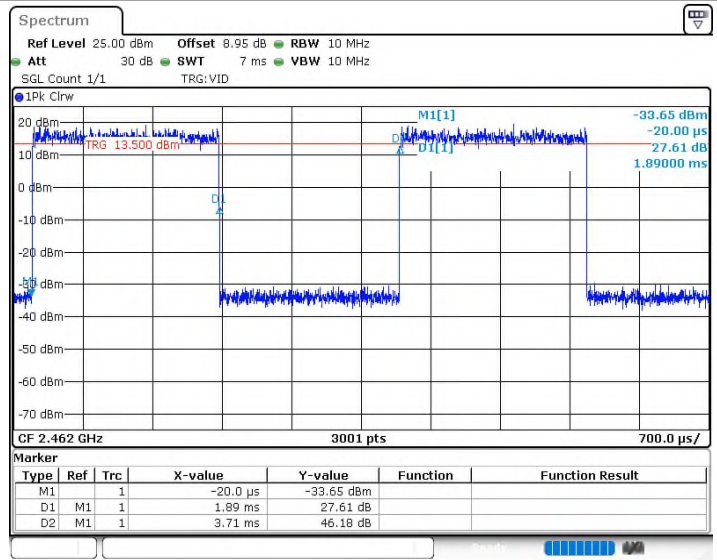
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
TestMode	Antenna	ChName	Channel	Detector	Freq	Result	Limit	E	Limit1	Verdict

Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

Emissions in Restricted Bands measurements