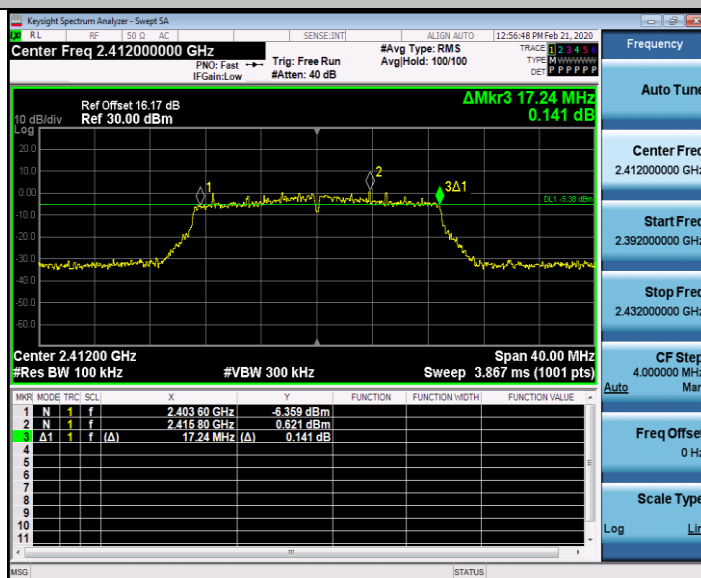
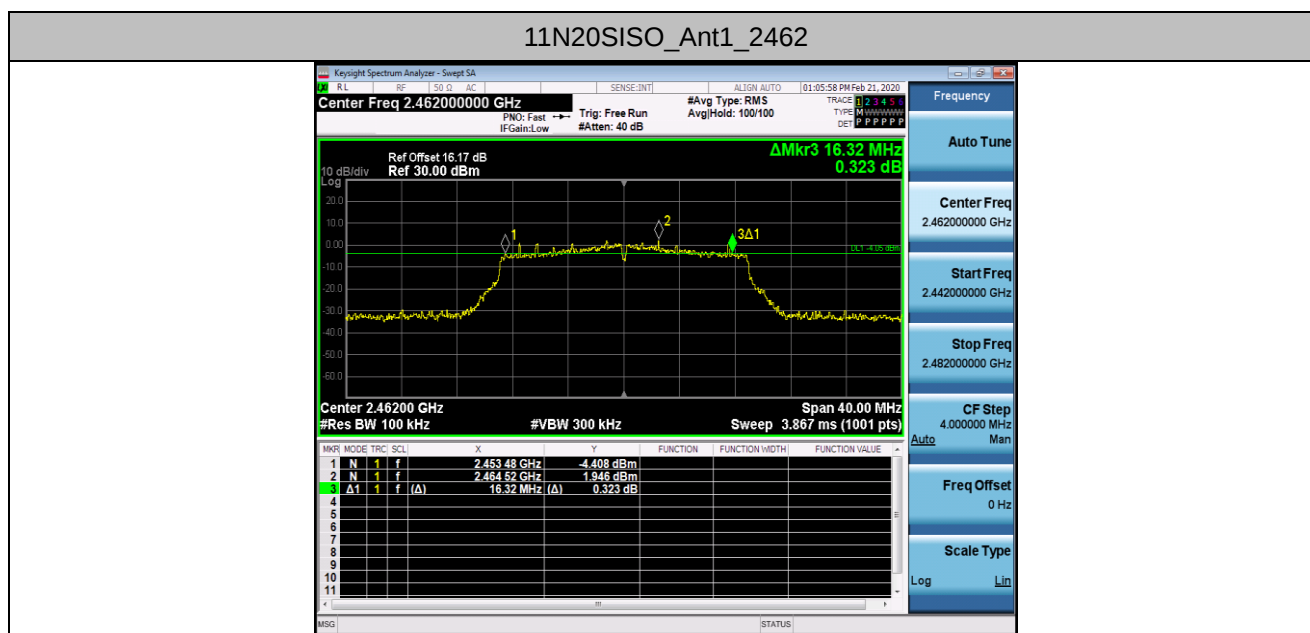


11N20SISO_Ant1_2412



11N20SISO_Ant1_2437





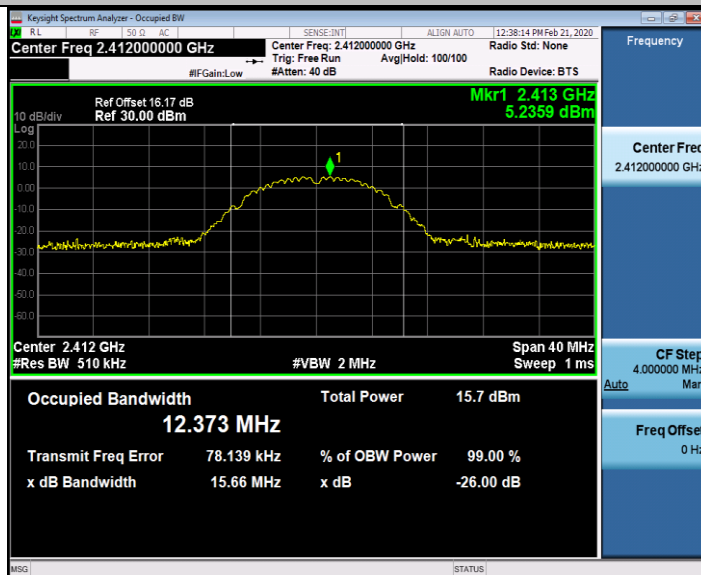
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.373	2405.892	2418.265	---	PASS
		2437	12.263	2430.923	2443.186	---	PASS
		2462	12.258	2455.913	2468.171	---	PASS
11G	Ant1	2412	17.468	2403.309	2420.777	---	PASS
		2437	17.464	2428.269	2445.733	---	PASS
		2462	17.312	2453.383	2470.695	---	PASS
11N20SISO	Ant1	2412	18.442	2402.851	2421.293	---	PASS
		2437	18.435	2427.904	2446.339	---	PASS
		2462	18.321	2452.885	2471.206	---	PASS

Test Graphs

11B_Ant1_2412



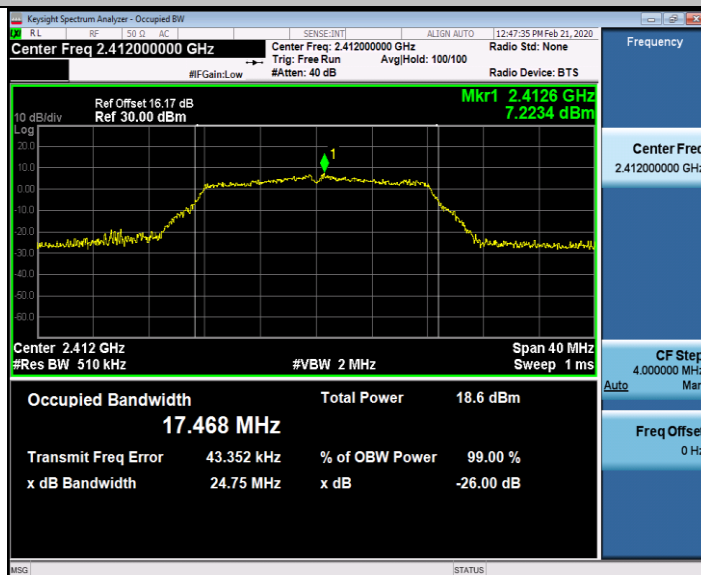
11B_Ant1_2437



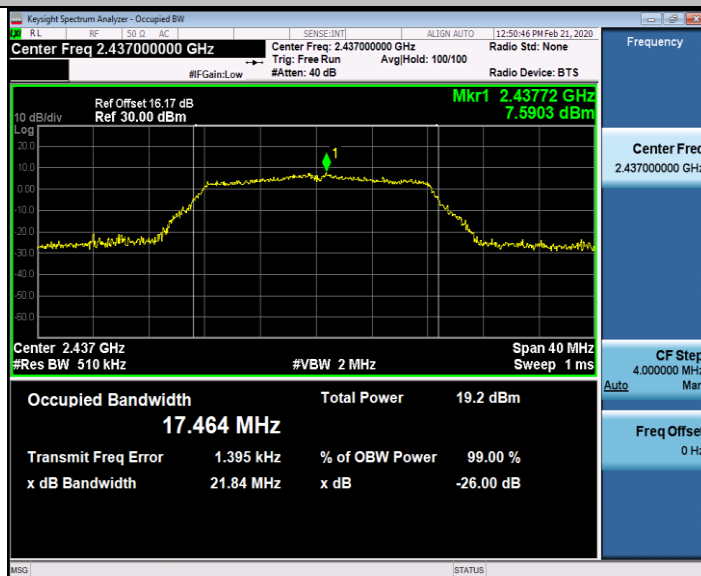
11B_Ant1_2462



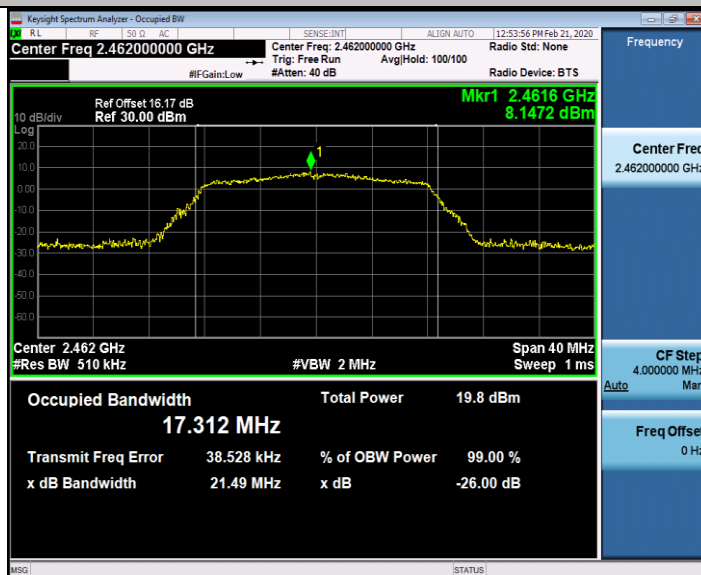
11G_Ant1_2412



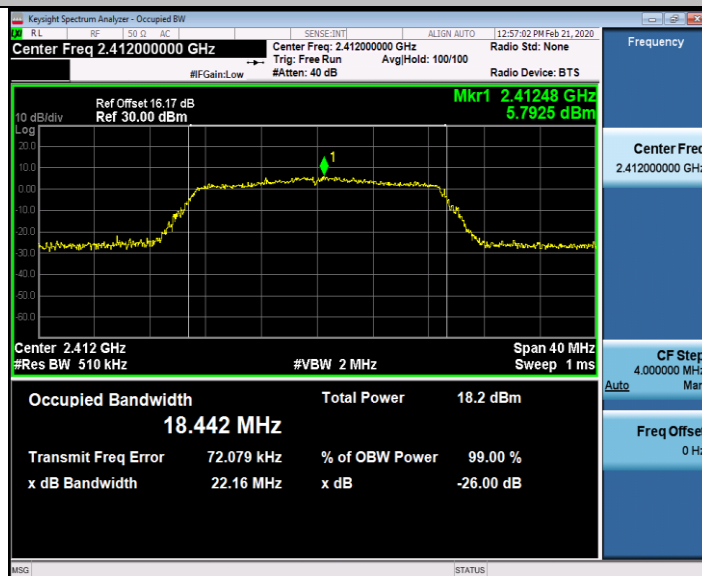
11G_Ant1_2437



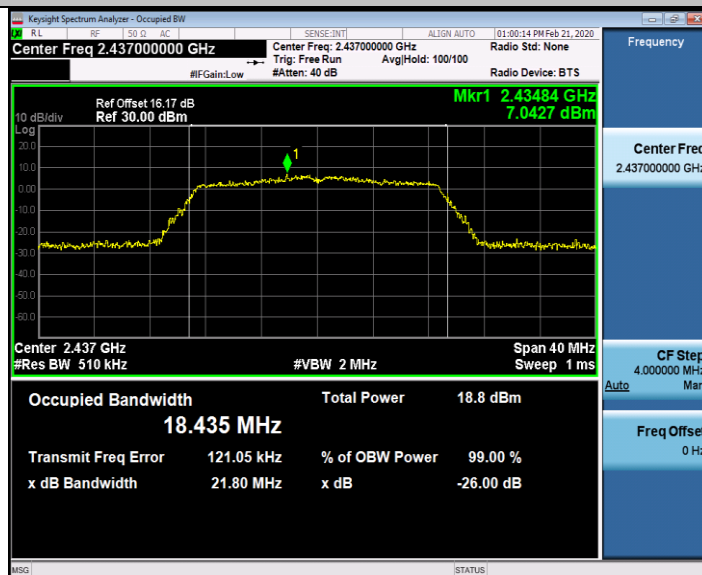
11G_Ant1_2462

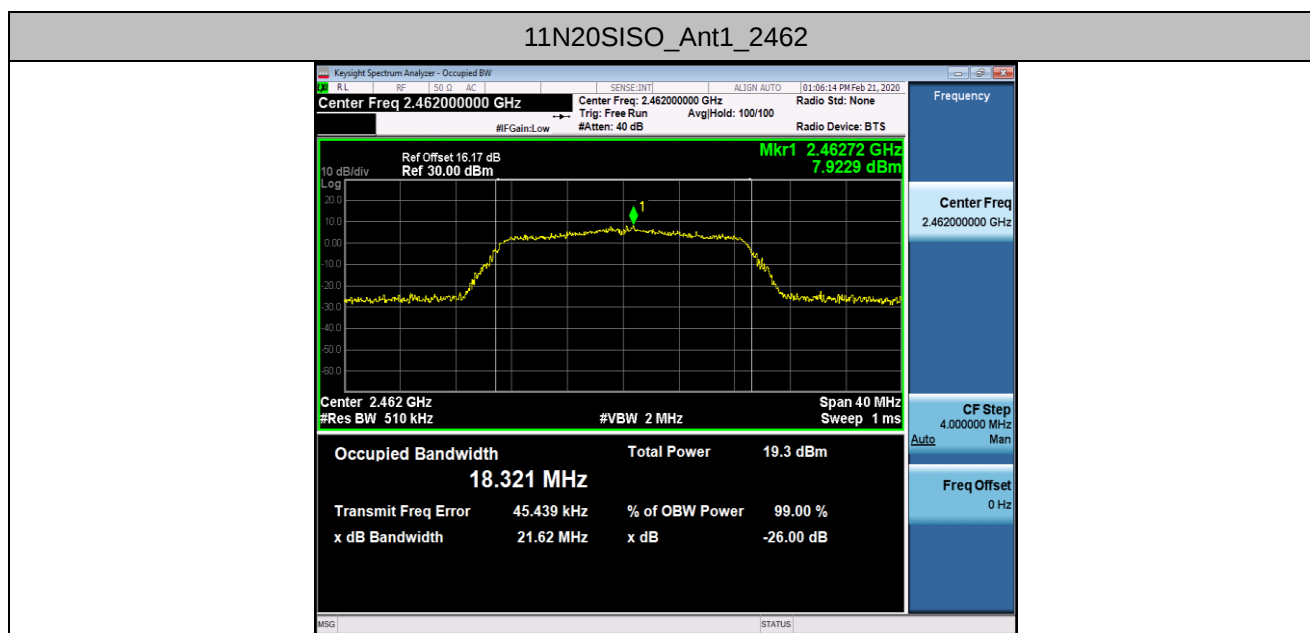


11N20SISO_Ant1_2412



11N20SISO_Ant1_2437





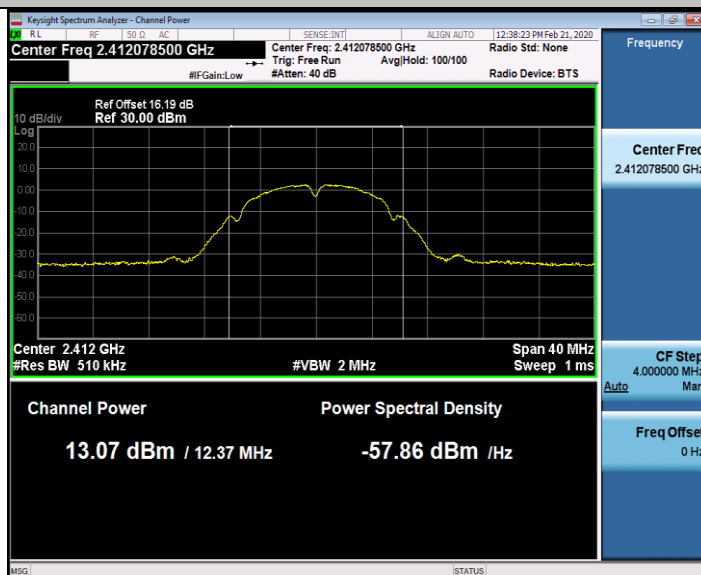
Appendix C: Maximum conducted output power

Test Result

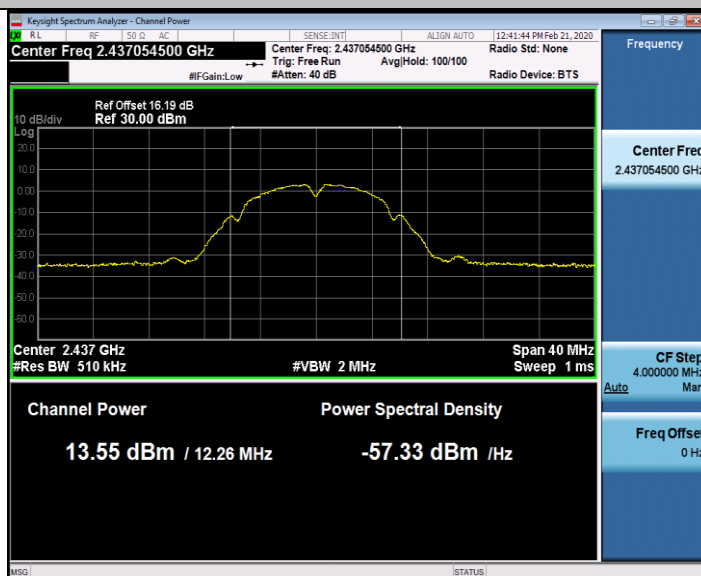
TestMode	Antenna	Channel	DT (%)	10 log (1/x)	Result [dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	99.55	0.02	13.07	<=30	PASS
		2437	99.52	0.02	13.56	<=30	PASS
		2462	99.55	0.02	14.14	<=30	PASS
11G	Ant1	2412	96.83	0.14	12.41	<=30	PASS
		2437	96.83	0.14	13.19	<=30	PASS
		2462	96.83	0.14	13.69	<=30	PASS
11N20SISO	Ant1	2412	96.72	0.14	12.03	<=30	PASS
		2437	96.62	0.15	12.62	<=30	PASS
		2462	96.62	0.15	13.33	<=30	PASS

Test Graphs

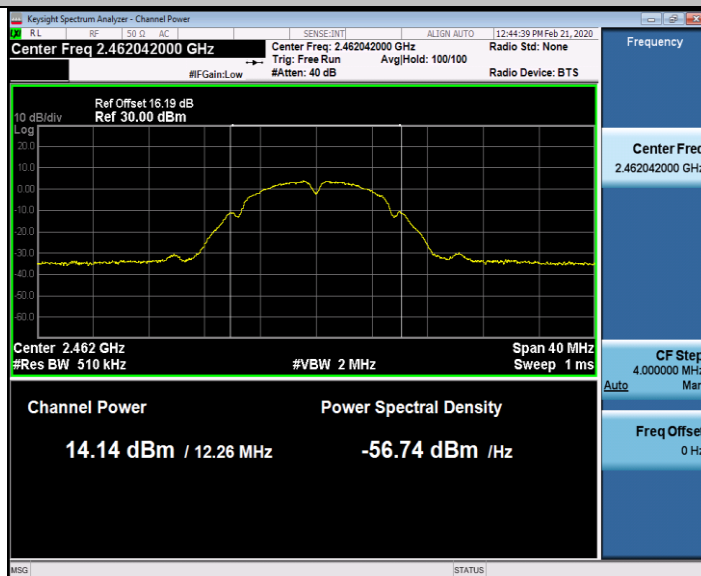
11B_Ant1_2412



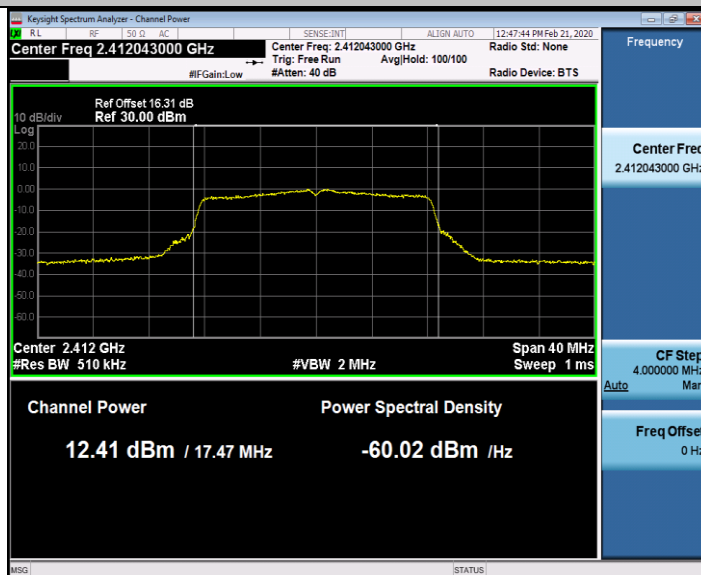
11B_Ant1_2437



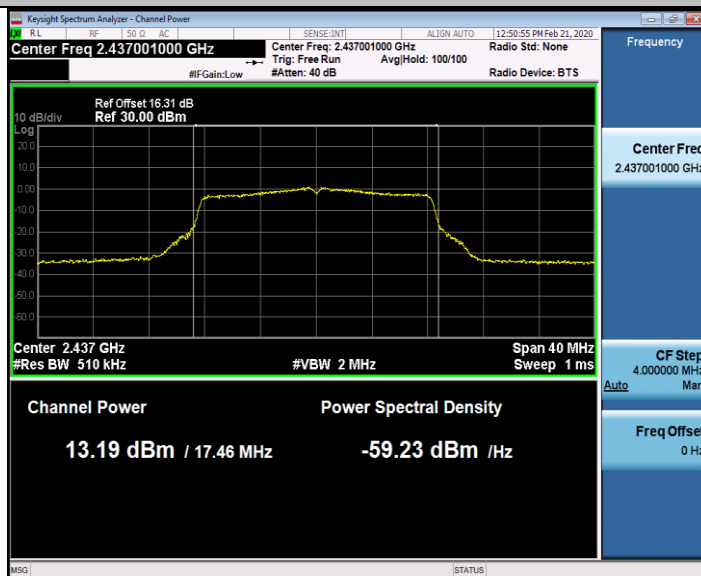
11B_Ant1_2462



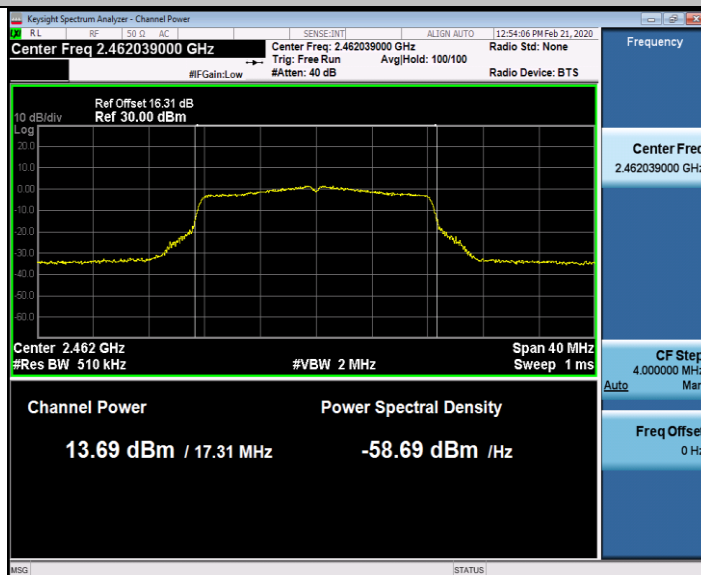
11G_Ant1_2412



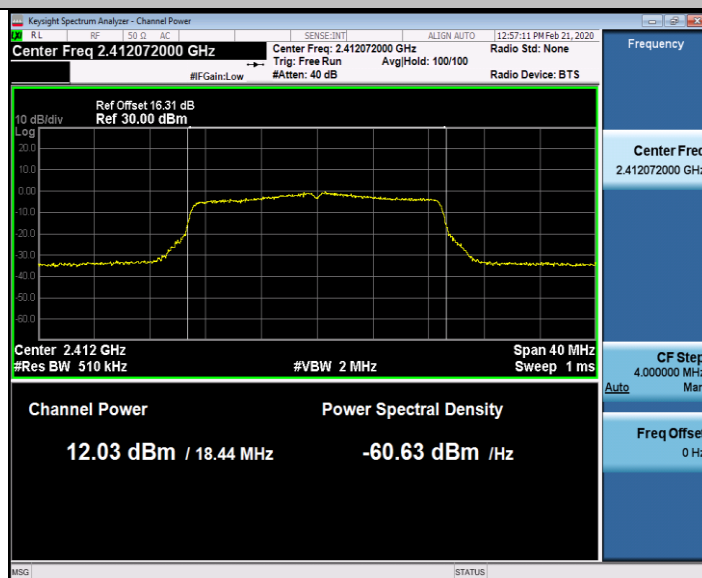
11G_Ant1_2437



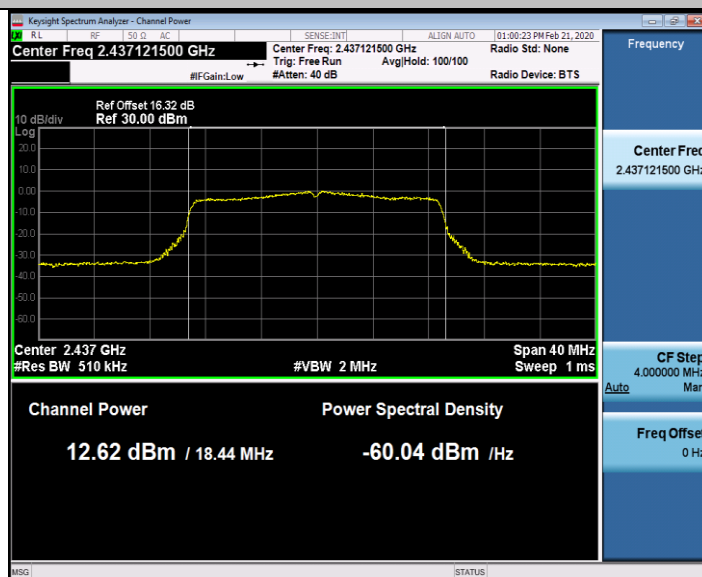
11G_Ant1_2462

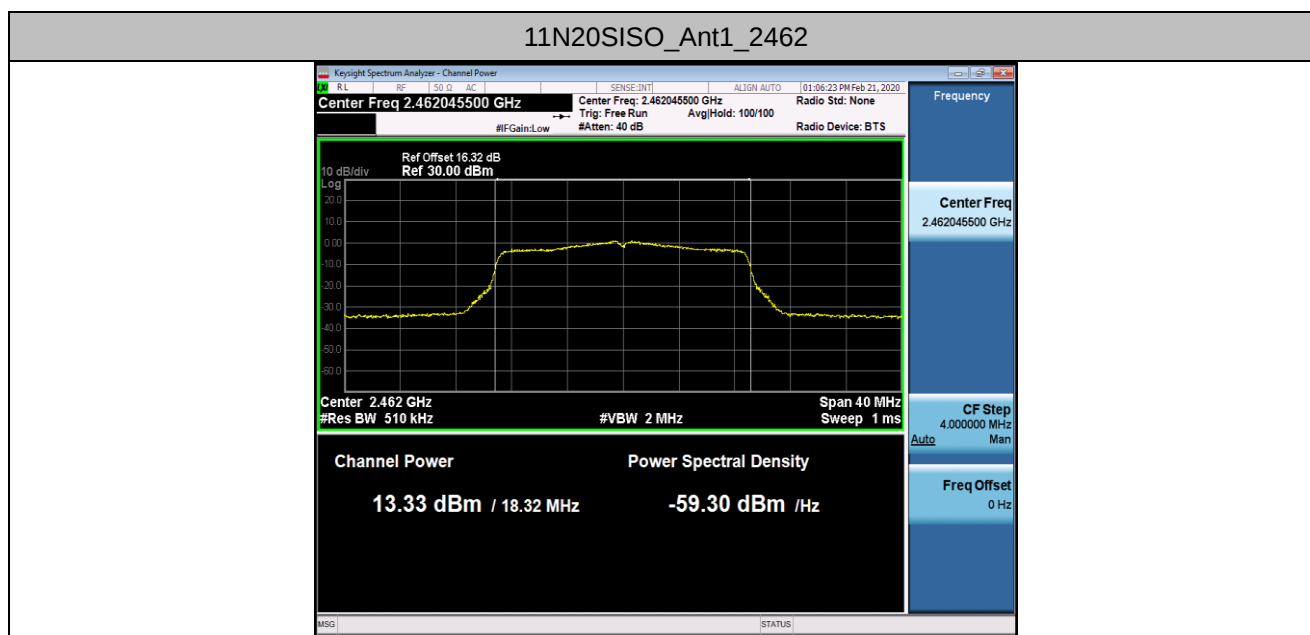


11N20SISO_Ant1_2412



11N20SISO_Ant1_2437





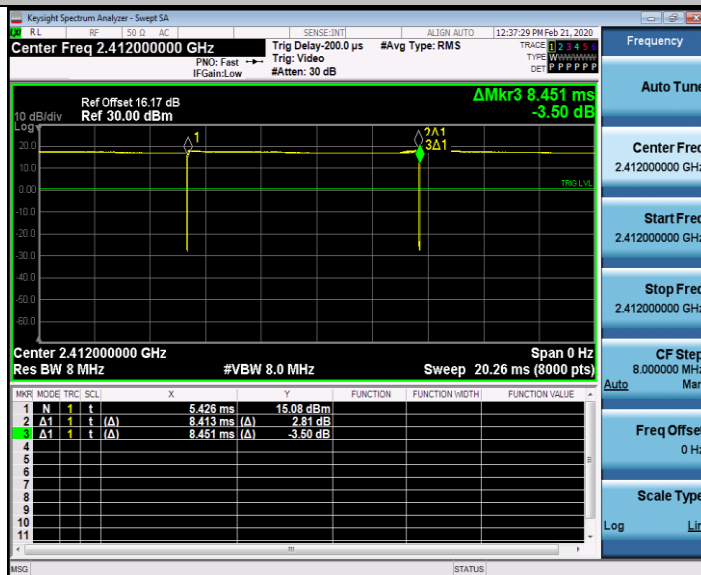
Appendix D: Duty Cycle

Test Result

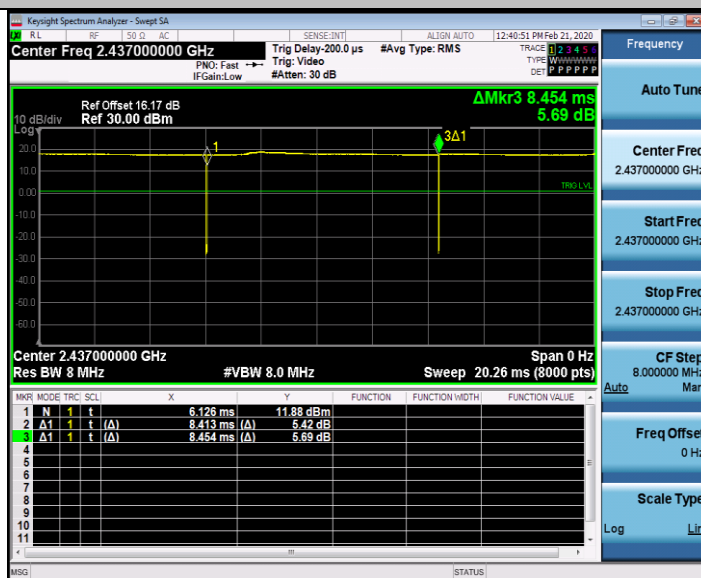
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.41	8.45	99.55
		2437	8.41	8.45	99.52
		2462	8.41	8.45	99.55
11G	Ant1	2412	1.39	1.44	96.83
		2437	1.39	1.44	96.83
		2462	1.39	1.44	96.83
11N20SISO	Ant1	2412	1.31	1.35	96.72
		2437	1.30	1.35	96.62
		2462	1.30	1.35	96.62

Test Graphs

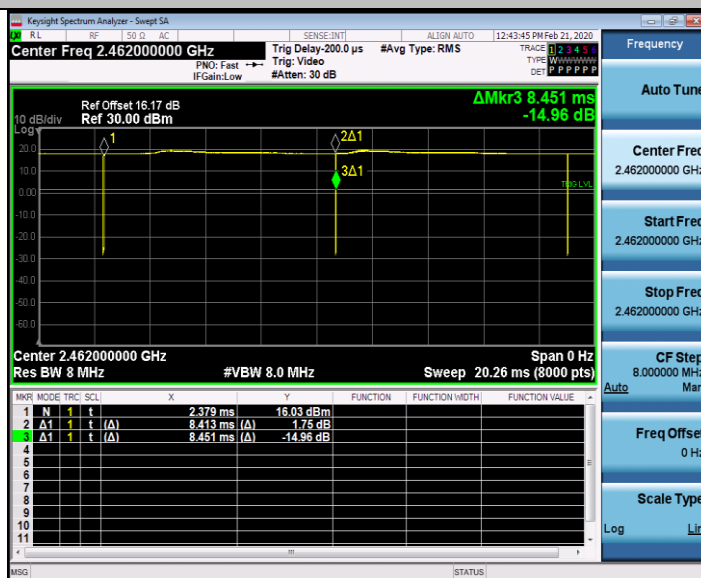
11B_Ant1_2412



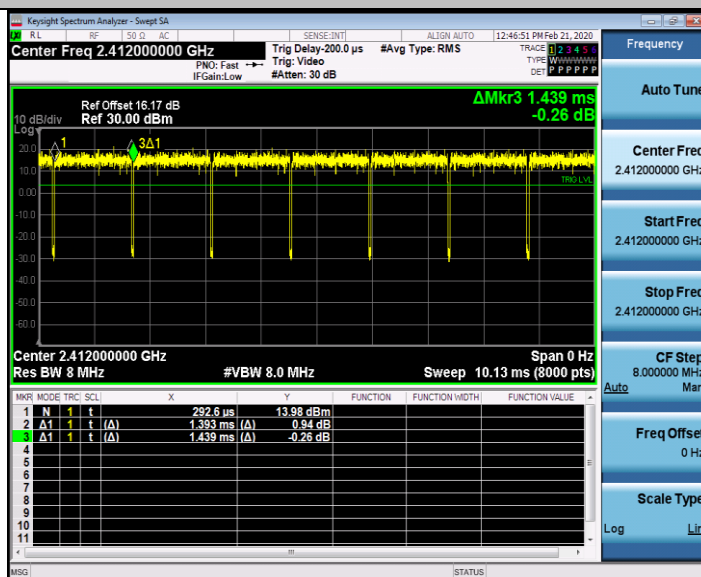
11B_Ant1_2437



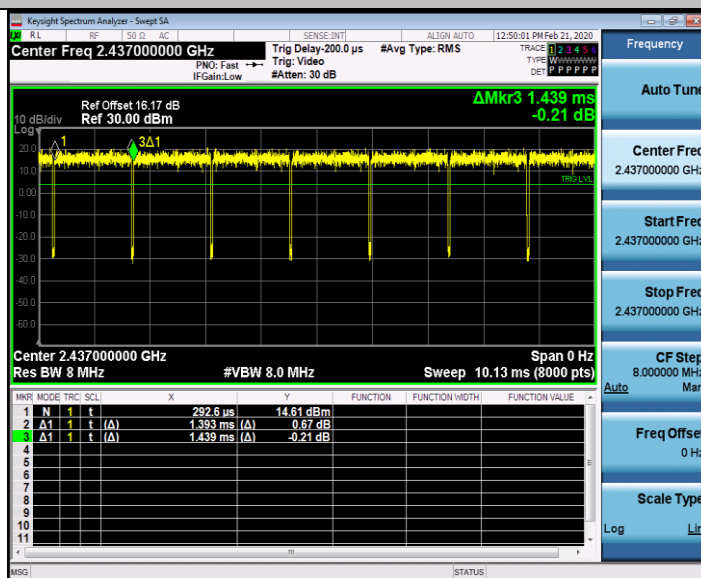
11B_Ant1_2462



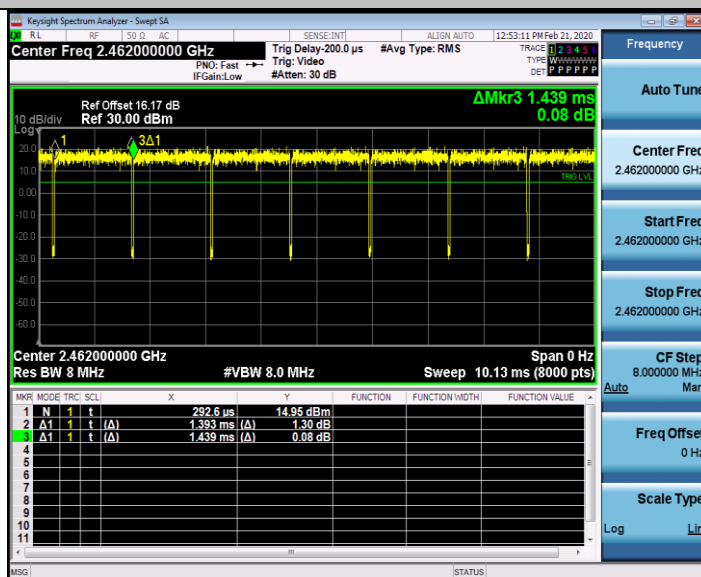
11G_Ant1_2412



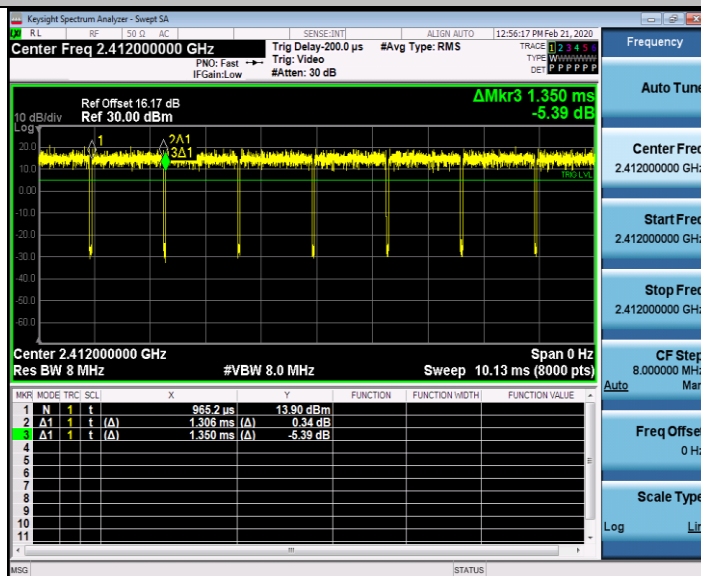
11G_Ant1_2437



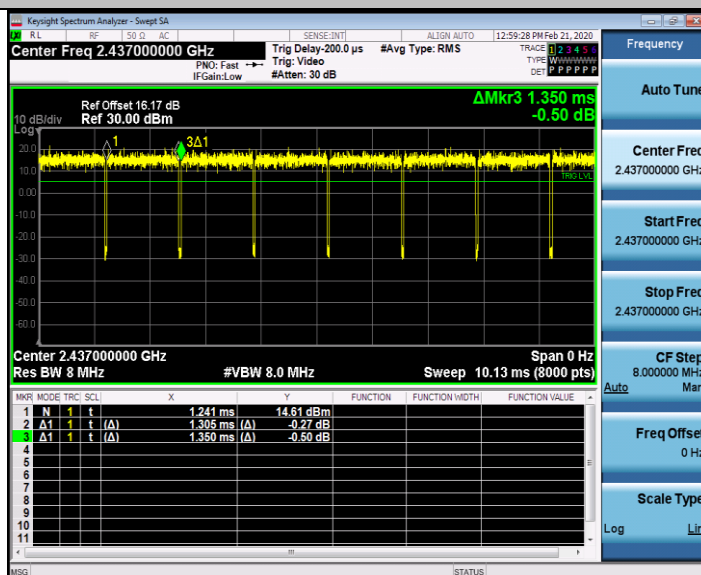
11G_Ant1_2462

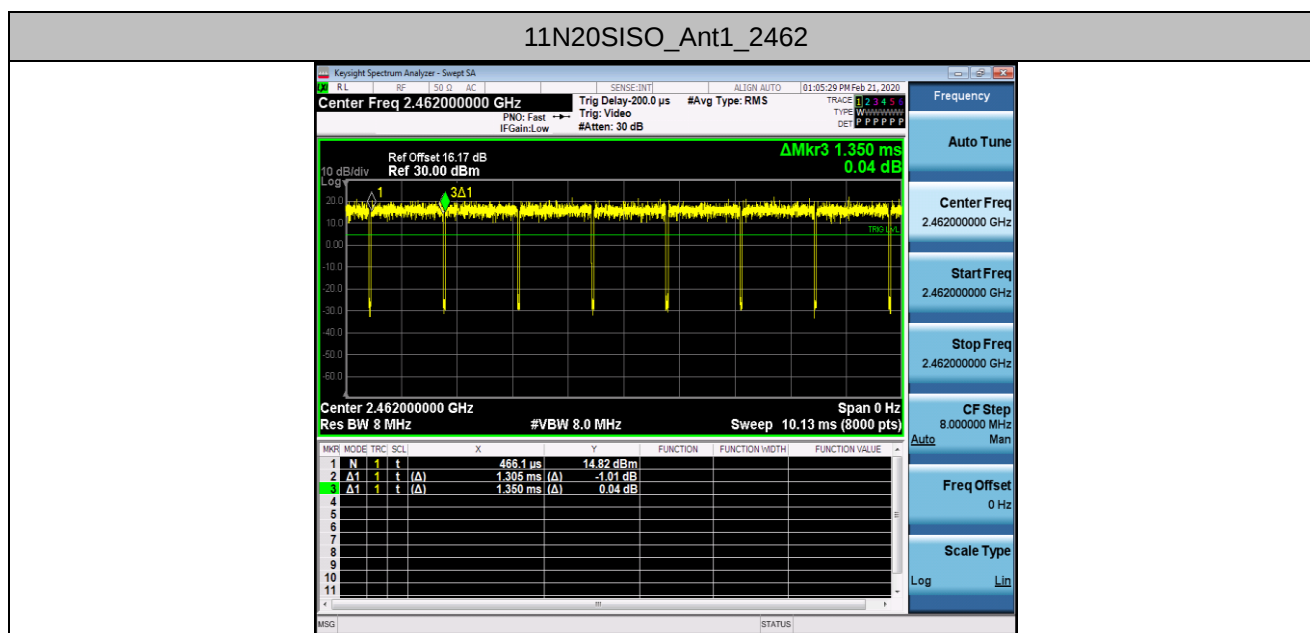


11N20SISO_Ant1_2412



11N20SISO_Ant1_2437





Appendix E: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	DT (%)	10 log (1/x)	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	99.55	0.02	-8.51	-18.51	<=8	PASS
		2437	99.52	0.02	-7.76	-17.76	<=8	PASS
		2462	99.55	0.02	-7.38	-17.38	<=8	PASS
11G	Ant1	2412	96.83	0.14	-9.79	-19.79	<=8	PASS
		2437	96.83	0.14	-8.83	-18.83	<=8	PASS
		2462	96.83	0.14	-7.79	-17.79	<=8	PASS
11N20SISO	Ant1	2412	96.72	0.14	-10.67	-20.67	<=8	PASS
		2437	96.62	0.15	-9.92	-19.92	<=8	PASS
		2462	96.62	0.15	-8.9	-18.9	<=8	PASS

Note:

calculating the RBW=3kHz value

-8.51 (AV.PSD At RBW=30kHz)-10*log(30/3)=-18.51(AV.PSD At RBW=3kHz)

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



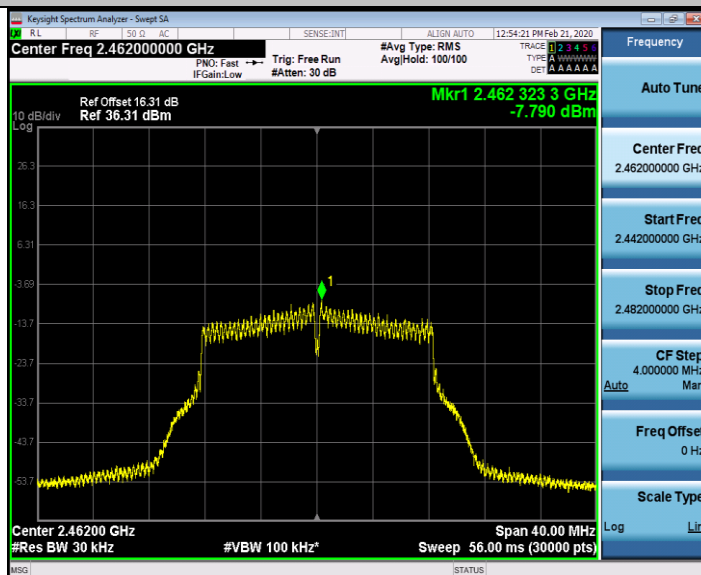
11G_Ant1_2412



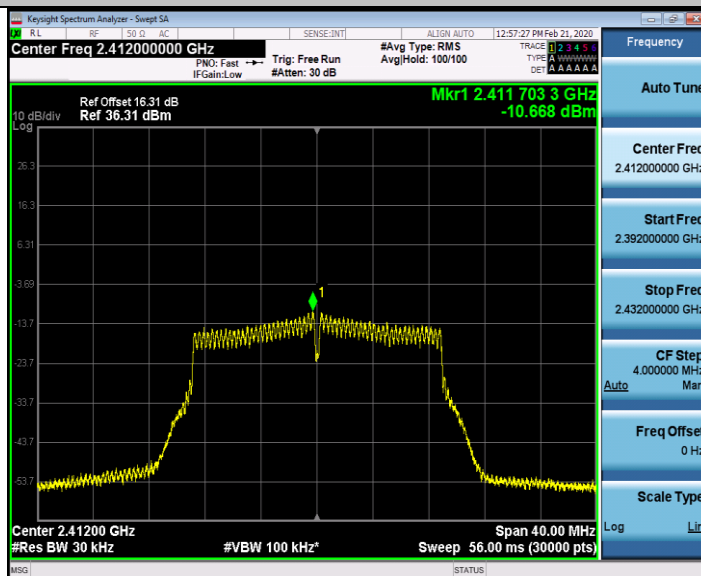
11G_Ant1_2437



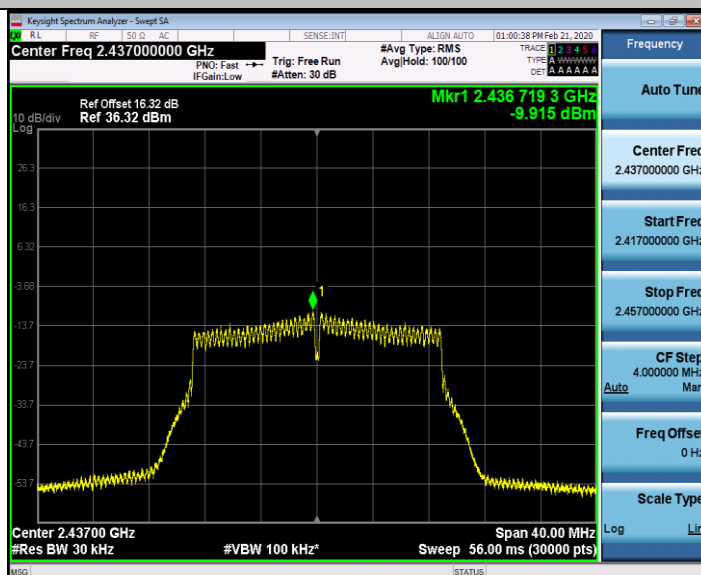
11G_Ant1_2462



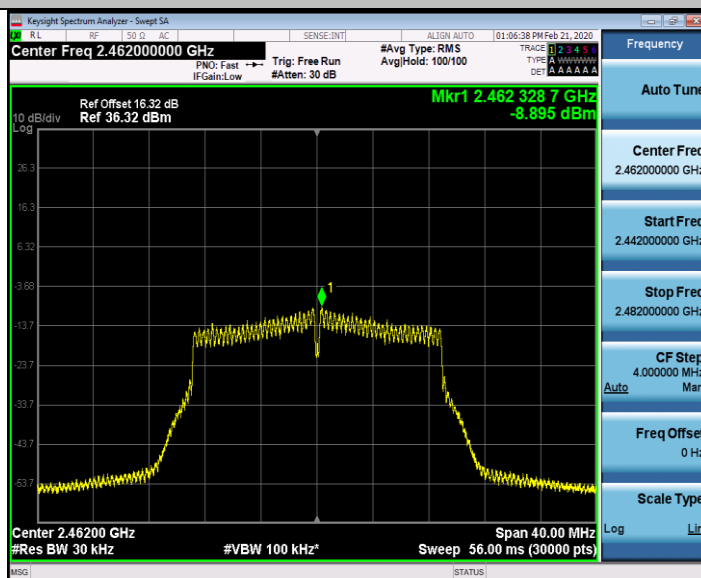
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



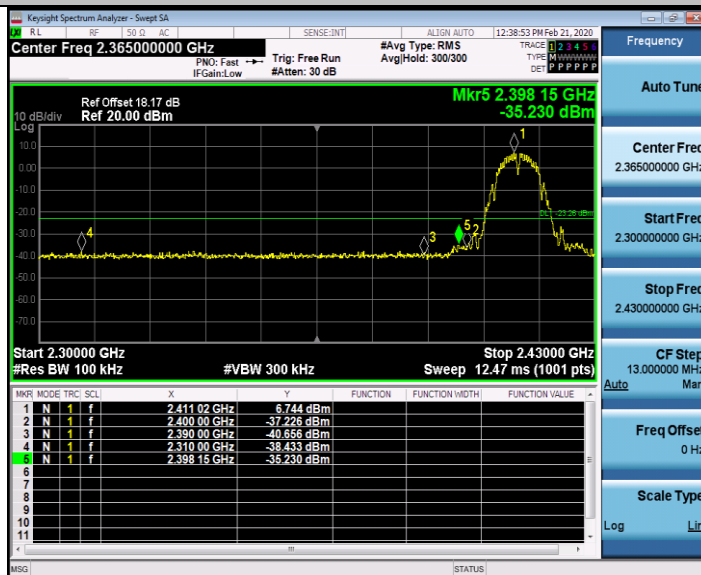
Appendix F: Band edge measurements

Test Result

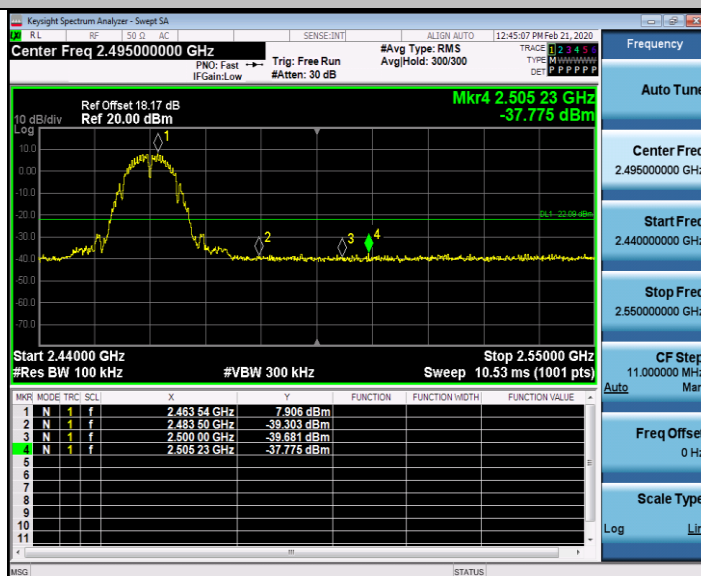
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.74	-35.23	≤ -23.26	PASS
		High	2462	7.91	-37.78	≤ -22.09	PASS
11G	Ant1	Low	2412	3.34	-27.37	≤ -26.67	PASS
		High	2462	4.01	-36.92	≤ -25.99	PASS
11N20SISO	Ant1	Low	2412	3.13	-29.14	≤ -26.87	PASS
		High	2462	4.24	-36.89	≤ -25.76	PASS

Test Graphs

11B_Ant1_Low_2412



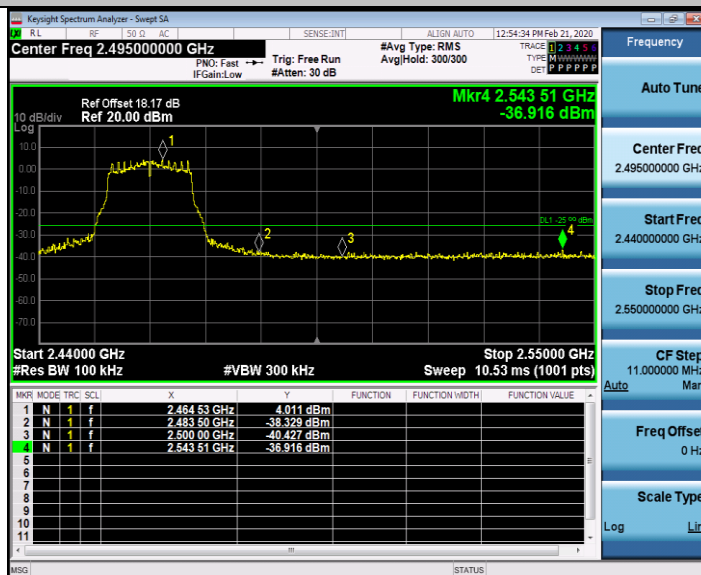
11B_Ant1_High_2462



11G_Ant1_Low_2412



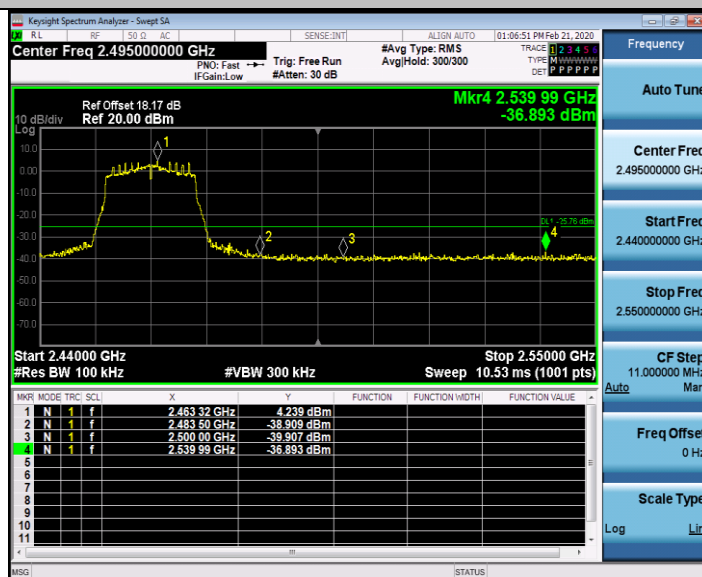
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix G: Conducted Spurious Emission

Test Result

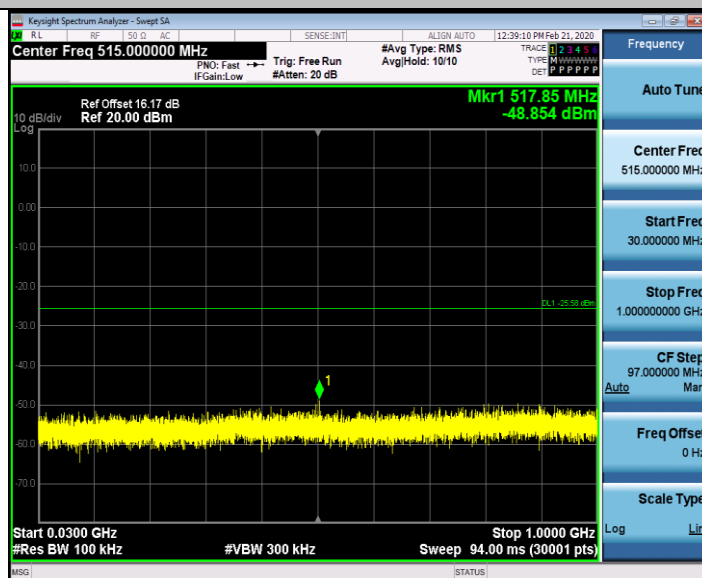
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.42	4.42	---	PASS
			30~1000	30~1000	-48.854	<=-25.577	PASS
			1000~26500	1000~26500	-30.557	<=-25.577	PASS
		2437	Reference	5.34	5.34	---	PASS
			30~1000	30~1000	-49.779	<=-24.659	PASS
			1000~26500	1000~26500	-30.987	<=-24.659	PASS
		2462	Reference	5.86	5.86	---	PASS
			30~1000	30~1000	-49.621	<=-24.141	PASS
			1000~26500	1000~26500	-30.776	<=-24.141	PASS
11G	Ant1	2412	Reference	0.65	0.65	---	PASS
			30~1000	30~1000	-49.674	<=-29.353	PASS
			1000~26500	1000~26500	-31.682	<=-29.353	PASS
		2437	Reference	1.40	1.40	---	PASS
			30~1000	30~1000	-49.74	<=-28.605	PASS
			1000~26500	1000~26500	-30.863	<=-28.605	PASS
		2462	Reference	2.04	2.04	---	PASS
			30~1000	30~1000	-47.733	<=-27.959	PASS
			1000~26500	1000~26500	-31.388	<=-27.959	PASS
11N20SISO	Ant1	2412	Reference	0.59	0.59	---	PASS
			30~1000	30~1000	-48.879	<=-29.407	PASS
			1000~26500	1000~26500	-31.404	<=-29.407	PASS
		2437	Reference	1.23	1.23	---	PASS
			30~1000	30~1000	-49.71	<=-28.775	PASS
			1000~26500	1000~26500	-31.394	<=-28.775	PASS
		2462	Reference	2.63	2.63	---	PASS
			30~1000	30~1000	-49.04	<=-27.371	PASS
			1000~26500	1000~26500	-31.374	<=-27.371	PASS

Test Graphs

11B_Ant1_2412_0-Reference



11B_Ant1_2412_30-1000



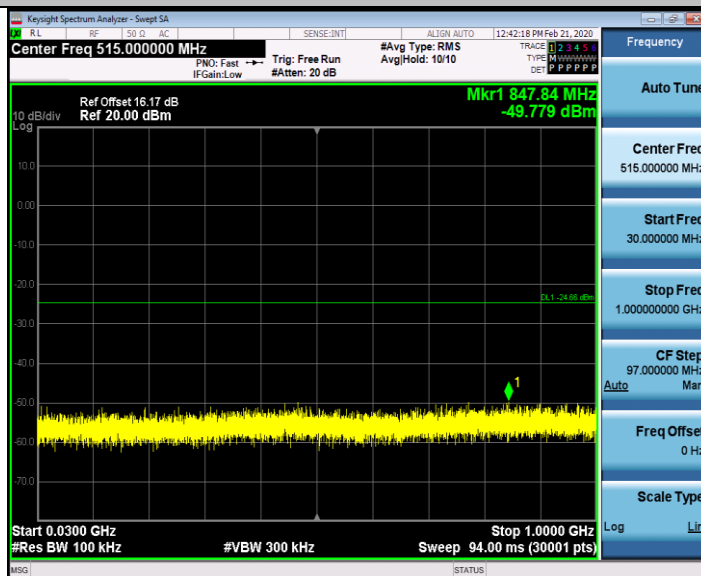
11B_Ant1_2412_1000~26500



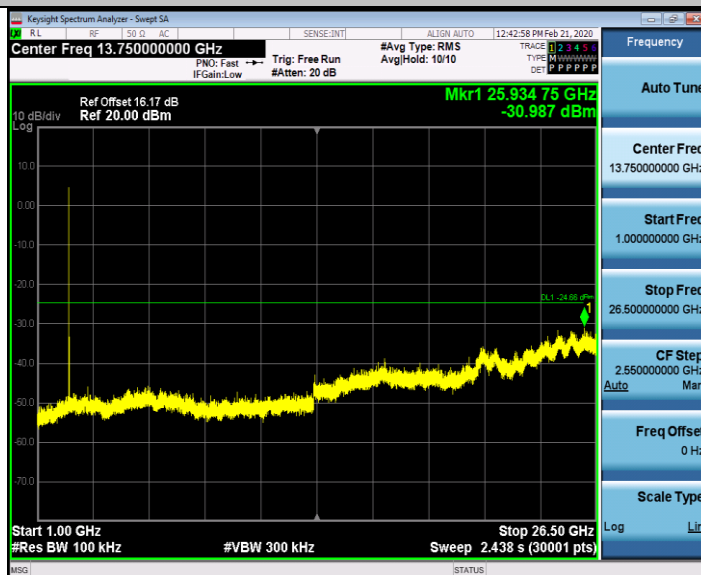
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



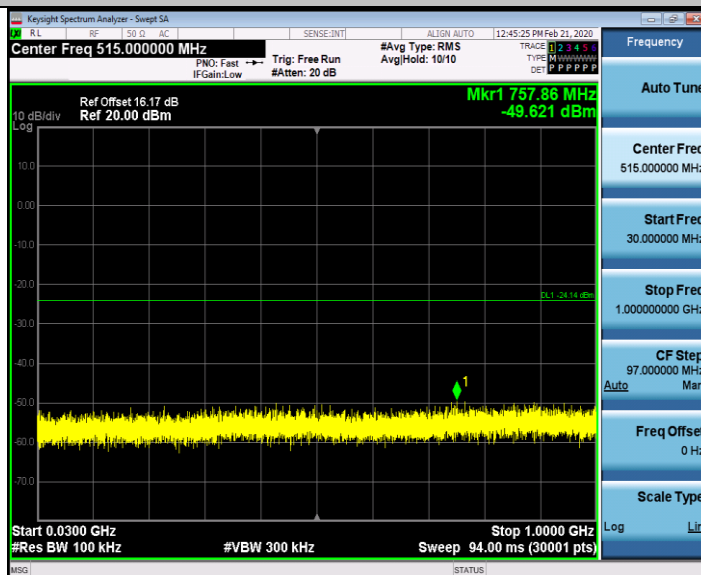
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



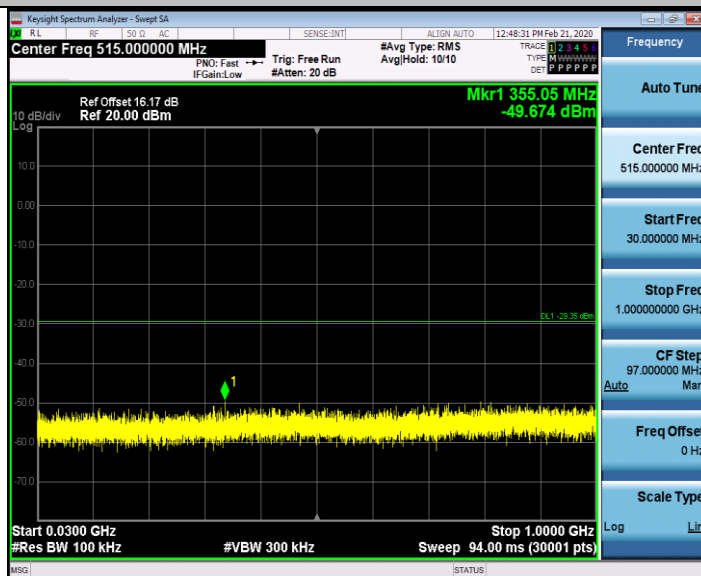
11B_Ant1_2462_1000~26500



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

