

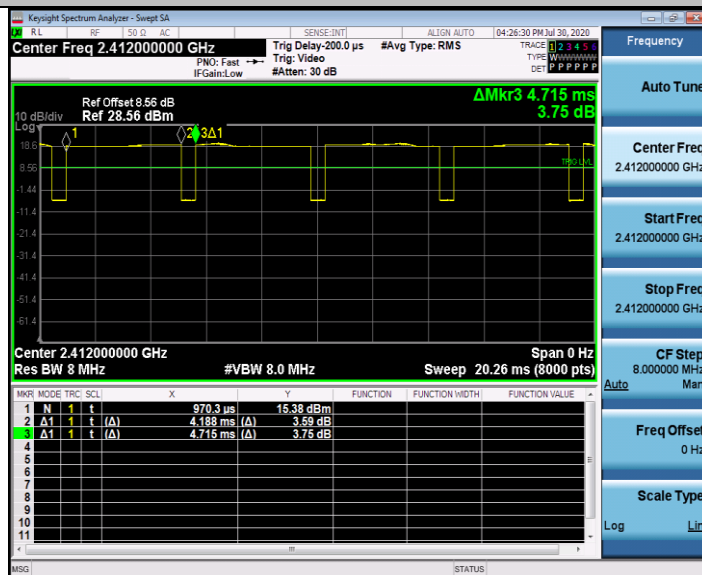
Appendix D: Duty Cycle

Test Result

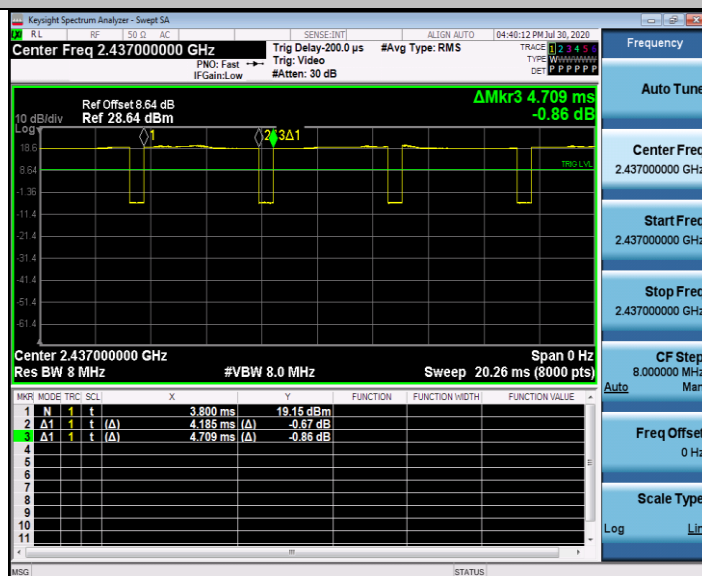
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	4.19	4.71	88.82
		2437	4.19	4.71	88.86
		2462	4.19	4.71	88.82
11G	Ant1	2412	0.69	0.79	87.32
		2437	0.69	0.79	87.34
		2462	0.69	0.80	86.62
11N20SISO	Ant1	2412	0.65	0.76	86.00
		2437	0.65	0.76	86.14
		2462	0.65	0.76	86.00

Test Graphs

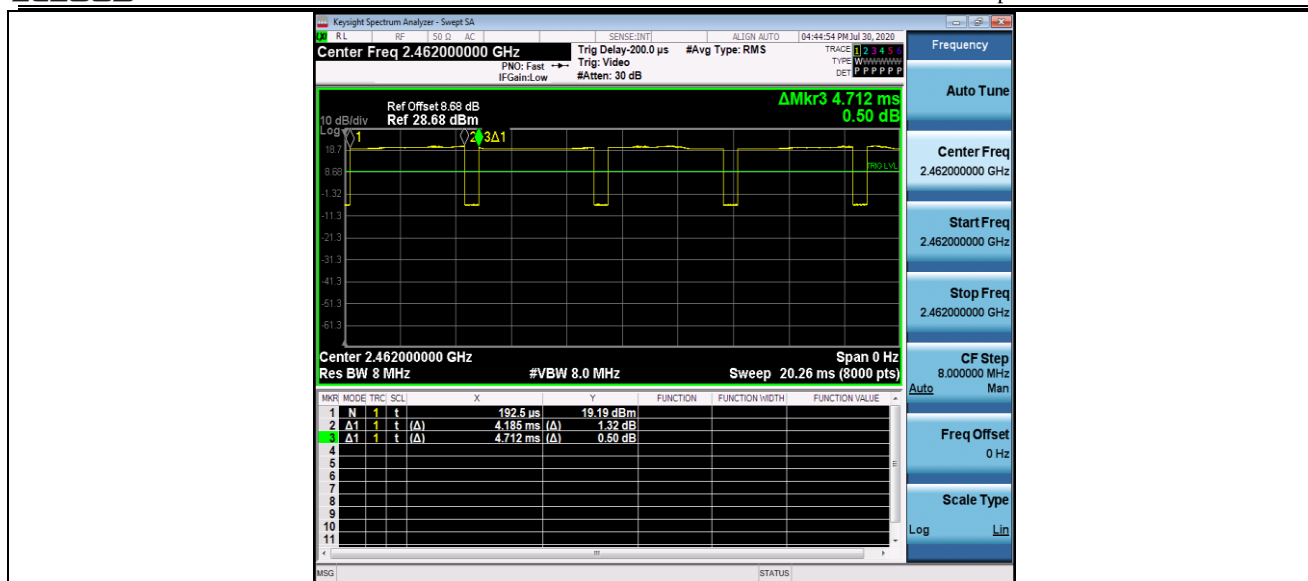
11B_Ant1_2412



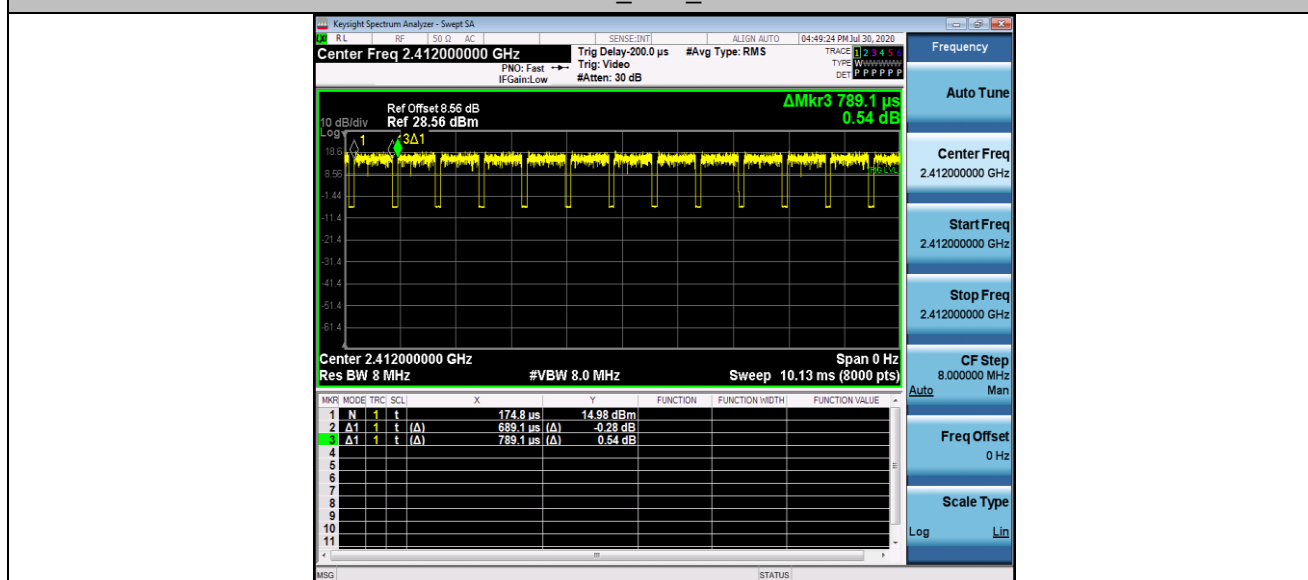
11B_Ant1_2437



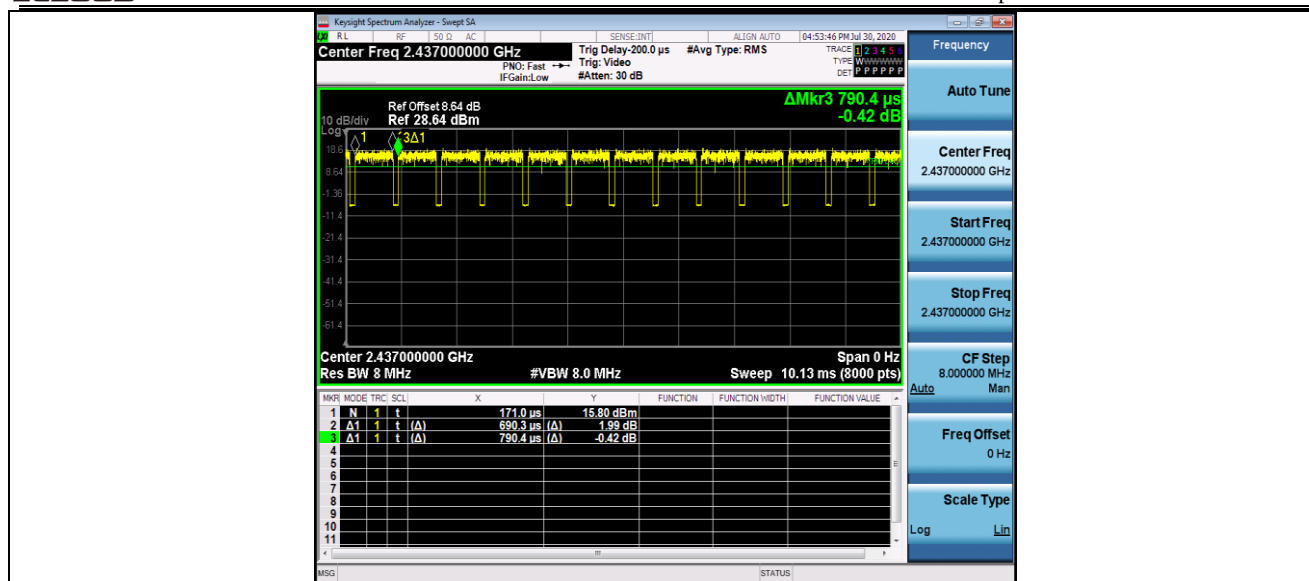
11B_Ant1_2462



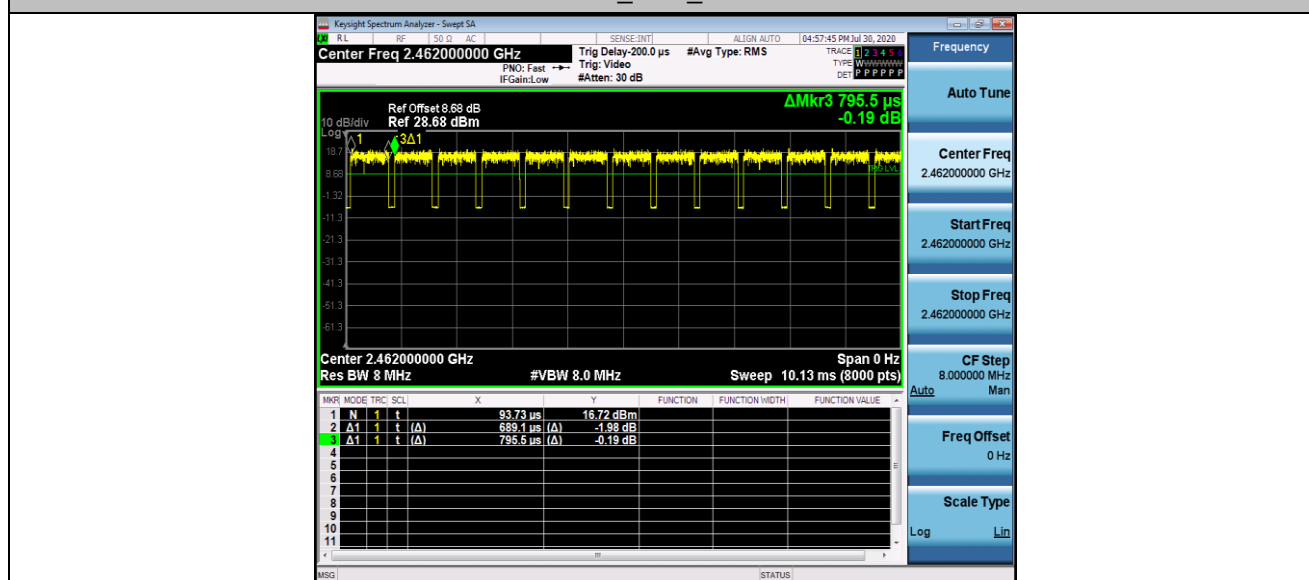
11G_Ant1_2412



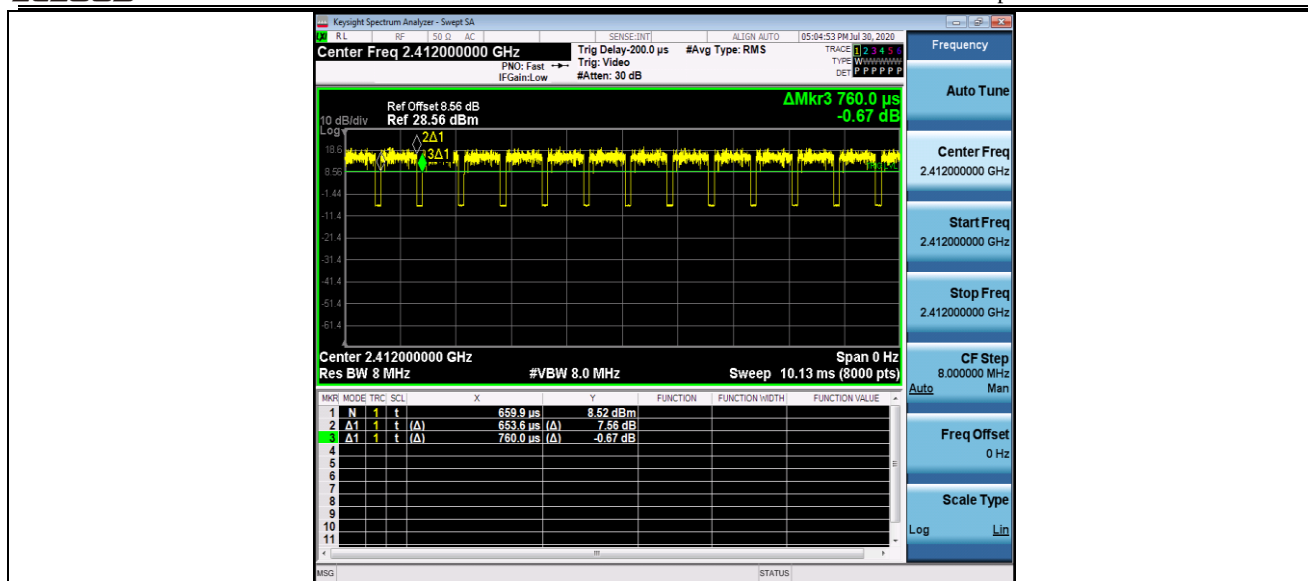
11G_Ant1_2437



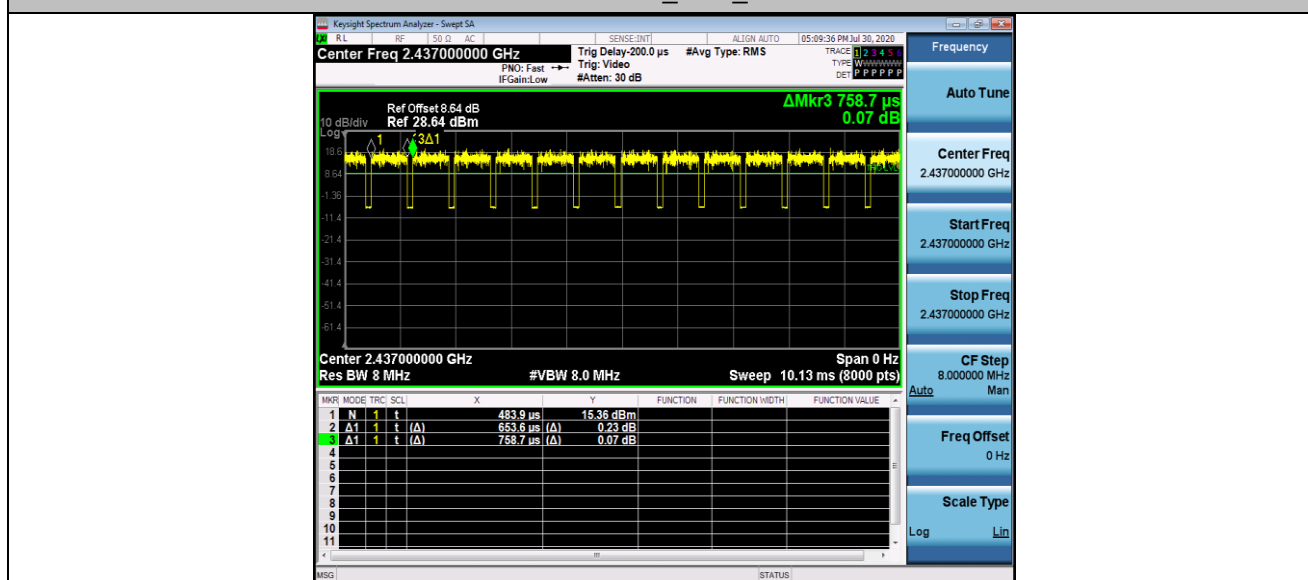
11G_Ant1_2462



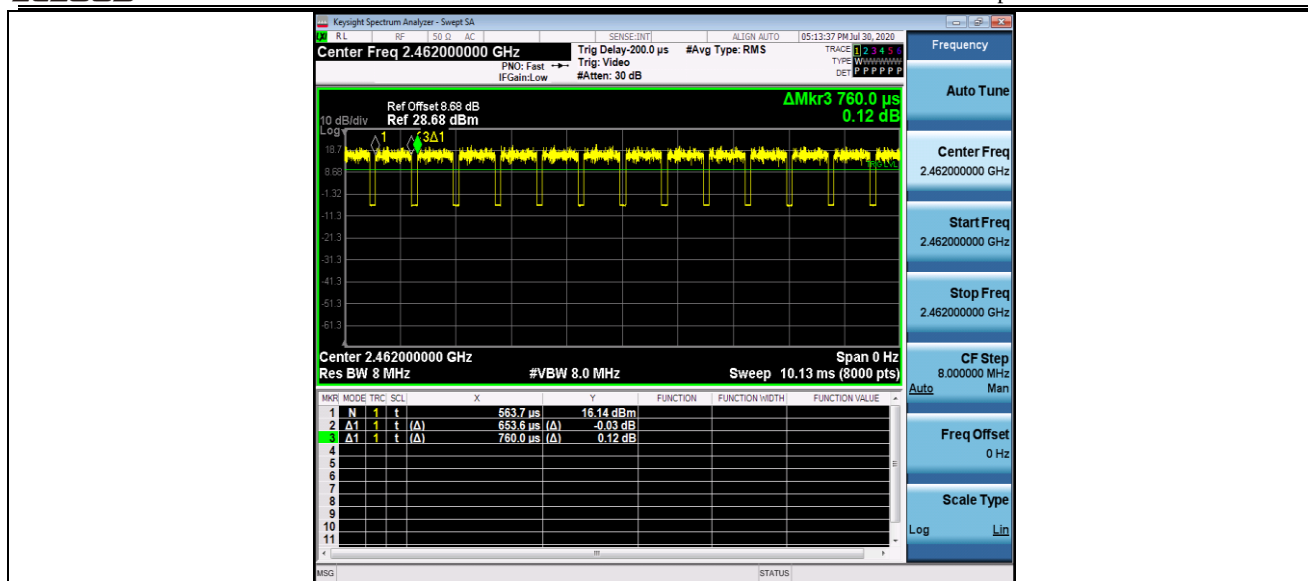
11N20SISO_Ant1_2412



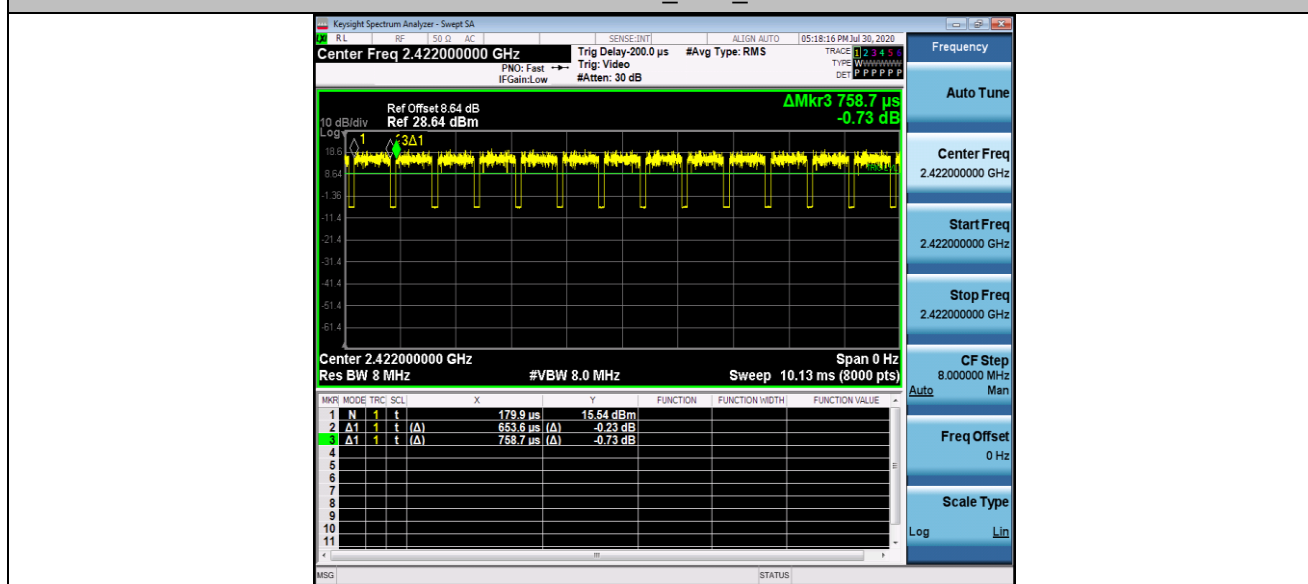
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



Appendix E: Maximum power spectral density

Test Result

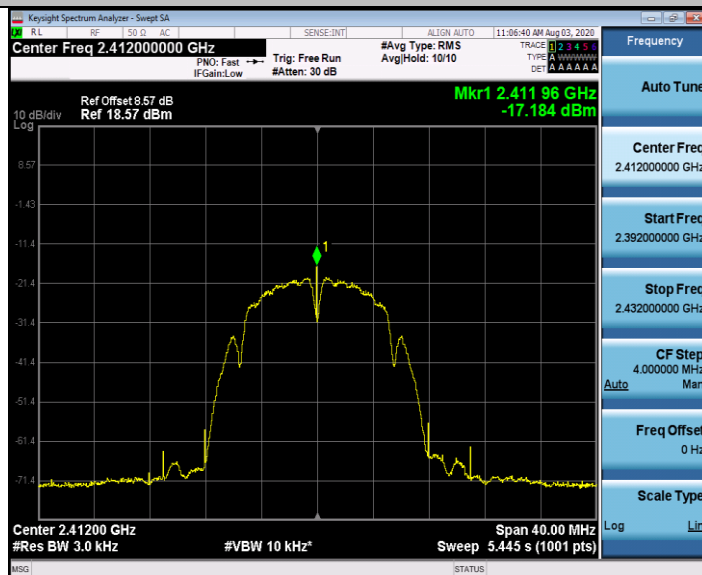
TestMode	Antenna	Channel	DT (%)	10 log (1/x)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	88.82	0.51	-17.18	<=8	PASS
		2437	88.86	0.51	-17.37	<=8	PASS
		2462	88.82	0.51	-17.09	<=8	PASS
11G	Ant1	2412	87.32	0.59	-16.69	<=8	PASS
		2437	87.34	0.59	-16.92	<=8	PASS
		2462	86.62	0.62	-17.07	<=8	PASS
11N20SISO	Ant1	2412	86.00	0.66	-16.89	<=8	PASS
		2437	86.14	0.65	-17.14	<=8	PASS
		2462	86.00	0.66	-17.22	<=8	PASS

Note:

The duty cycle factor has been compensated to the “offset “of the spectrum analyser.

Test Graphs

11B_Ant1_2412



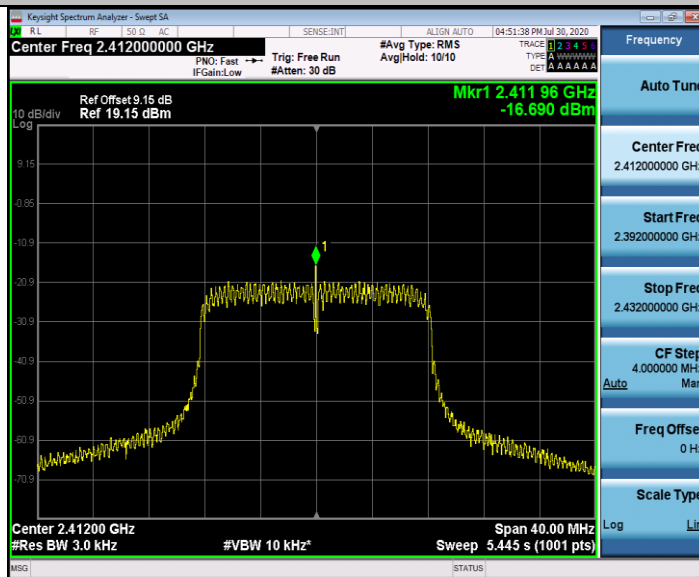
11B_Ant1_2437



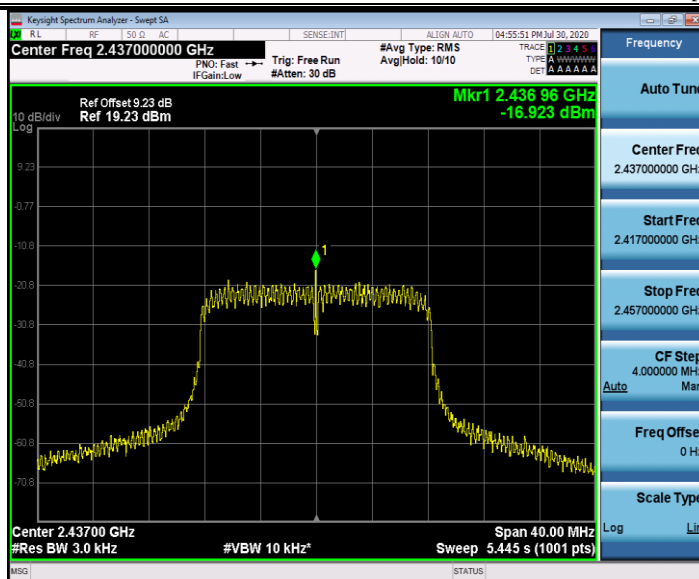
11B_Ant1_2462



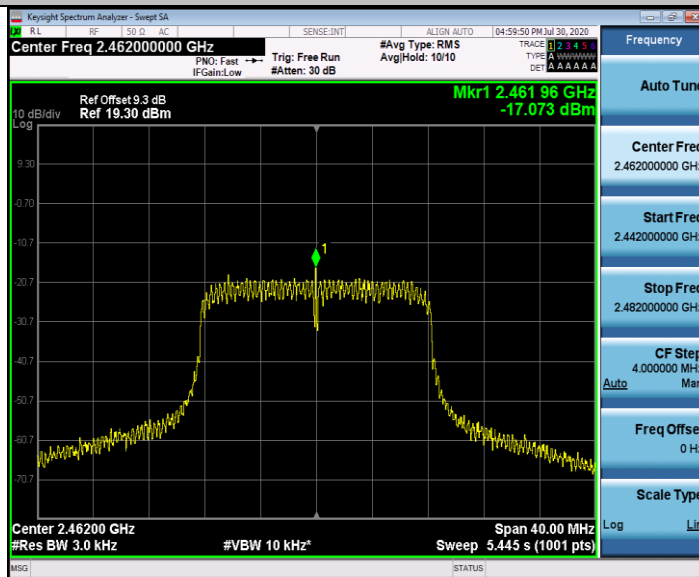
11G_Ant1_2412



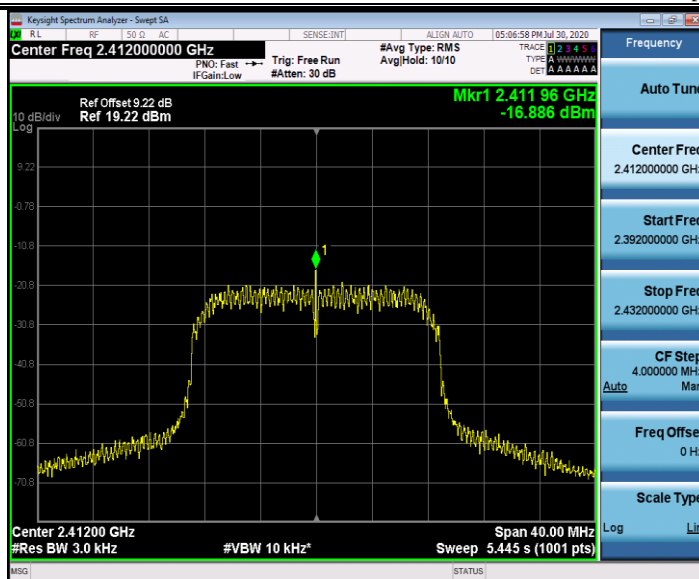
11G_Ant1_2437



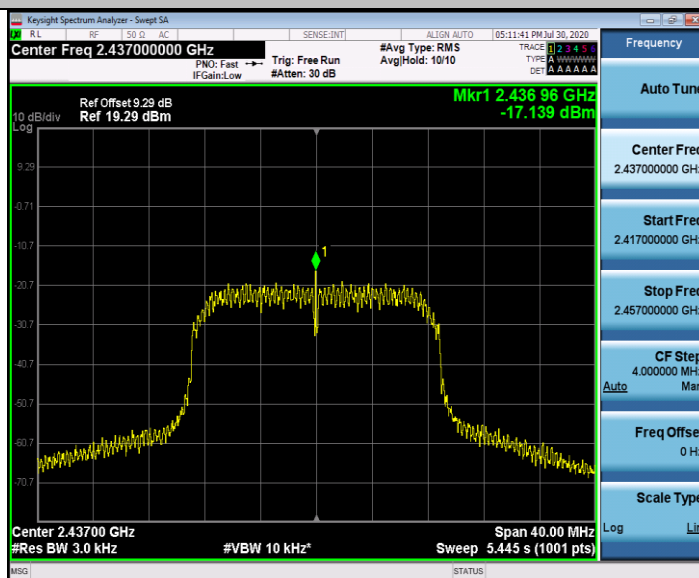
11G_Ant1_2462



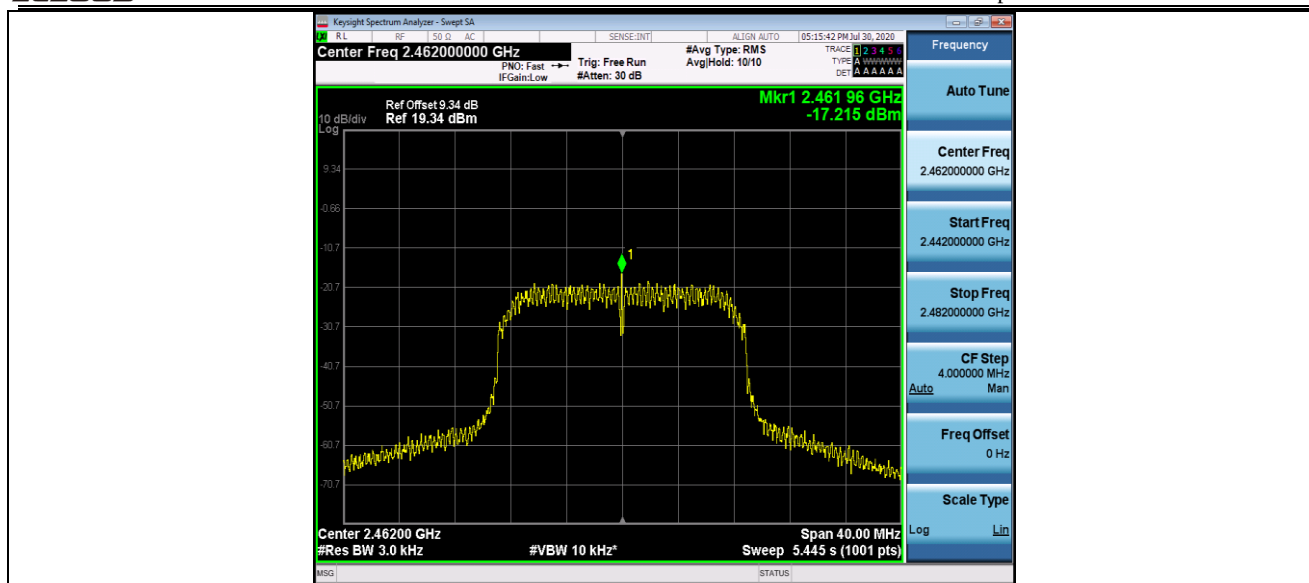
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



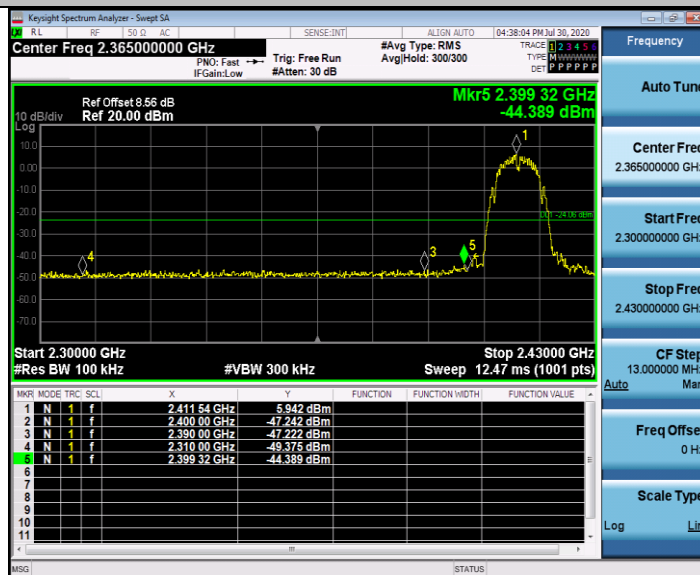
Appendix F: Band edge measurements

Test Result

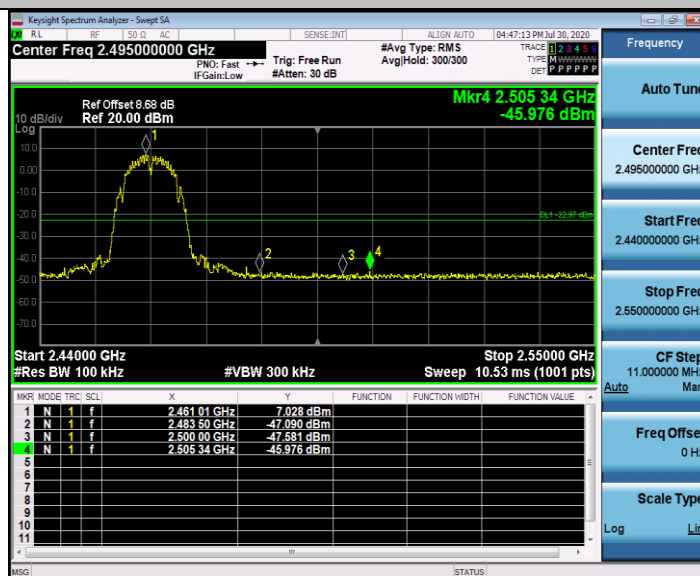
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.94	-44.39	<=-24.06	PASS
		High	2462	7.03	-45.98	<=-22.97	PASS
11G	Ant1	Low	2412	2.41	-33.06	<=-27.59	PASS
		High	2462	3.60	-43.62	<=-26.4	PASS
11N20SISO	Ant1	Low	2412	2.90	-31.64	<=-27.1	PASS
		High	2462	3.70	-41.99	<=-26.31	PASS

Test Graphs

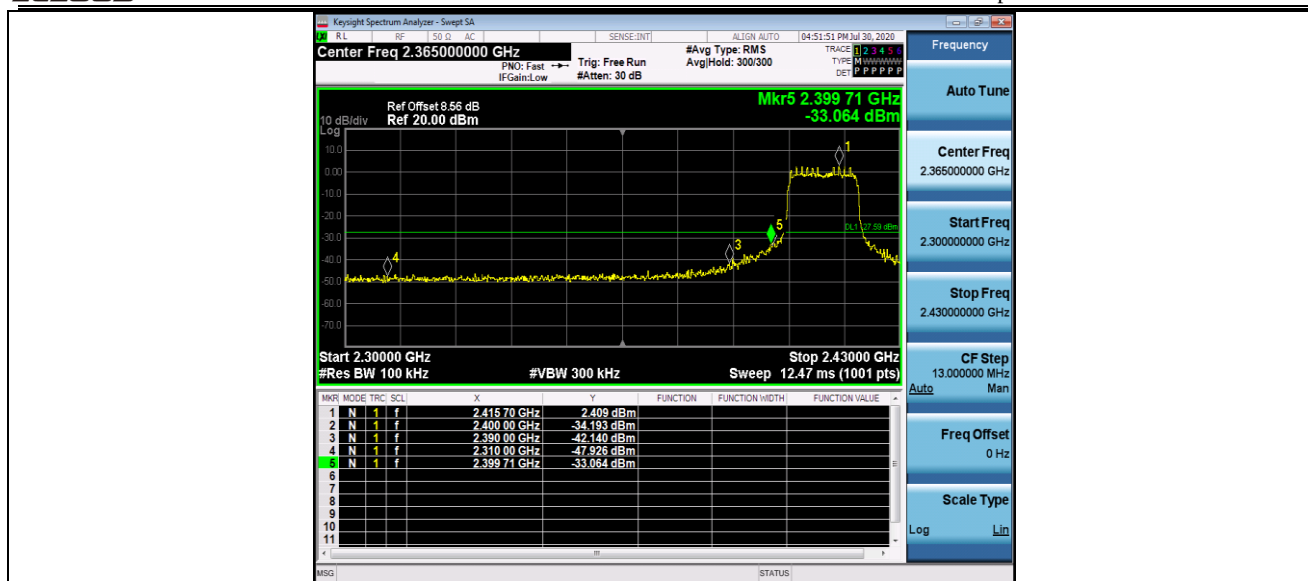
11B_Ant1_Low_2412



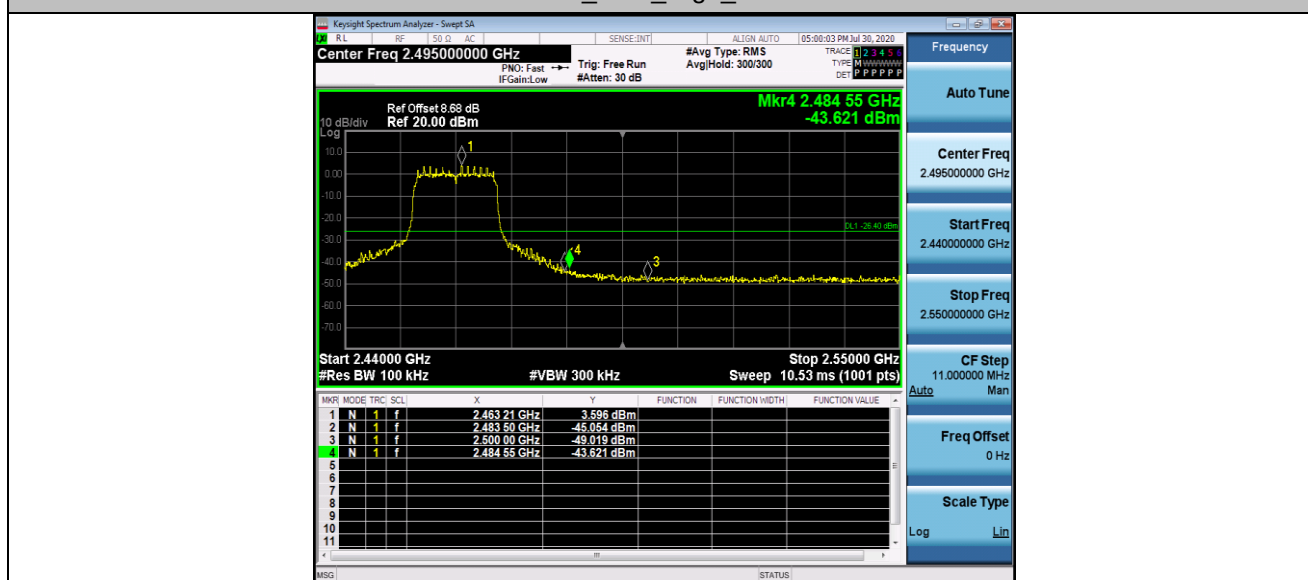
11B_Ant1_High_2462



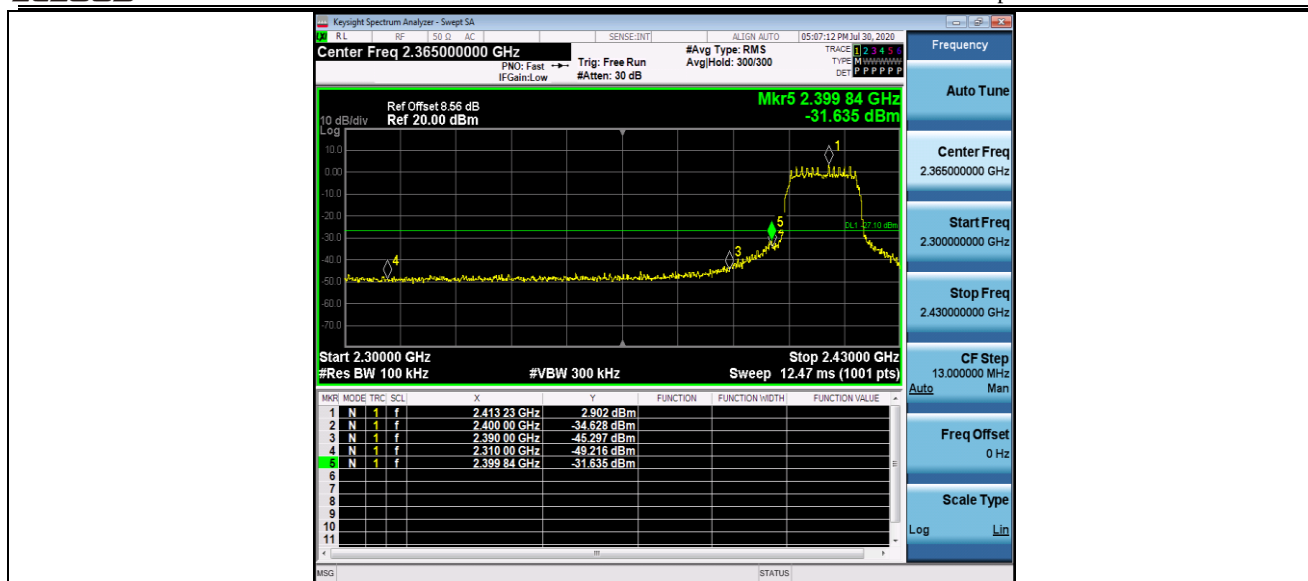
11G_Ant1_Low_2412



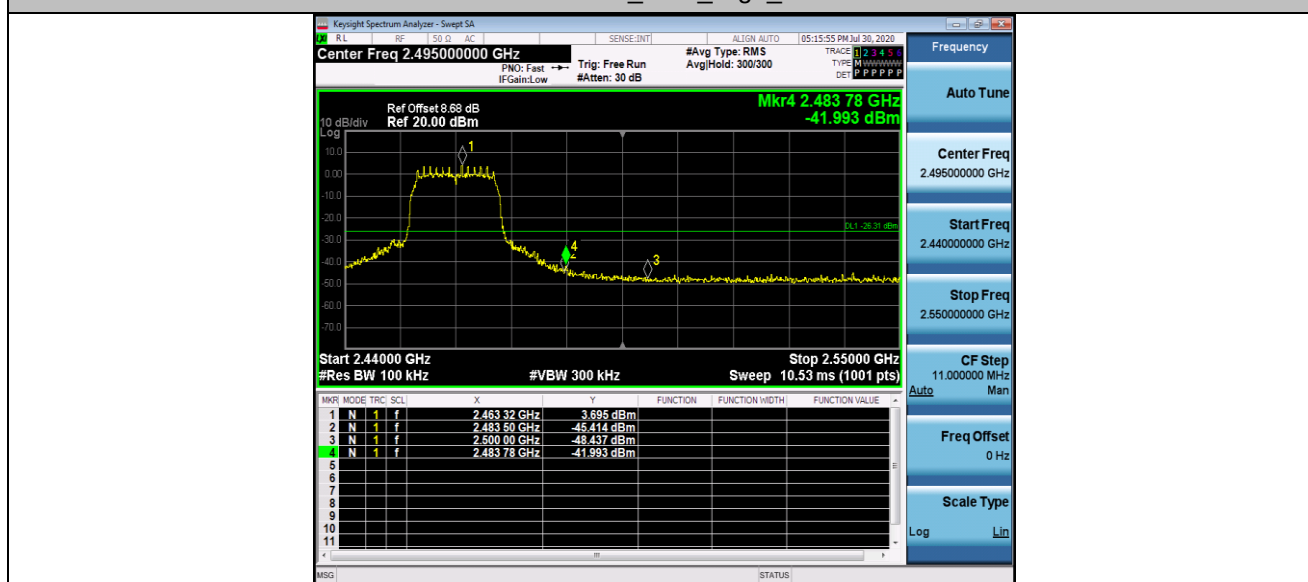
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix G: Conducted Spurious Emission

Test Result

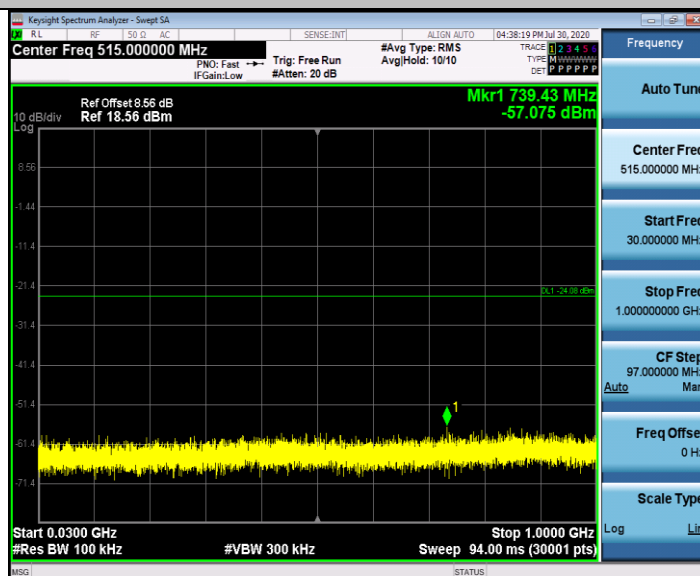
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.92	5.92	---	PASS
			30~1000	30~1000	-57.075	<=-24.079	PASS
			1000~26500	1000~26500	-36.696	<=-24.079	PASS
		2437	Reference	6.23	6.23	---	PASS
			30~1000	30~1000	-56.714	<=-23.768	PASS
			1000~26500	1000~26500	-37.37	<=-23.768	PASS
		2462	Reference	6.73	6.73	---	PASS
			30~1000	30~1000	-57.839	<=-23.268	PASS
			1000~26500	1000~26500	-37.857	<=-23.268	PASS
11G	Ant1	2412	Reference	2.84	2.84	---	PASS
			30~1000	30~1000	-57.065	<=-27.161	PASS
			1000~26500	1000~26500	-37.272	<=-27.161	PASS
		2437	Reference	3.16	3.16	---	PASS
			30~1000	30~1000	-57.625	<=-26.838	PASS
			1000~26500	1000~26500	-37.82	<=-26.838	PASS
		2462	Reference	3.86	3.86	---	PASS
			30~1000	30~1000	-57.315	<=-26.136	PASS
			1000~26500	1000~26500	-38.254	<=-26.136	PASS
11N20SISO	Ant1	2412	Reference	2.91	2.91	---	PASS
			30~1000	30~1000	-57.778	<=-27.094	PASS
			1000~26500	1000~26500	-37.877	<=-27.094	PASS
		2437	Reference	2.77	2.77	---	PASS
			30~1000	30~1000	-57.123	<=-27.229	PASS
			1000~26500	1000~26500	-36.903	<=-27.229	PASS
		2462	Reference	3.48	3.48	---	PASS
			30~1000	30~1000	-57.197	<=-26.516	PASS
			1000~26500	1000~26500	-37.519	<=-26.516	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



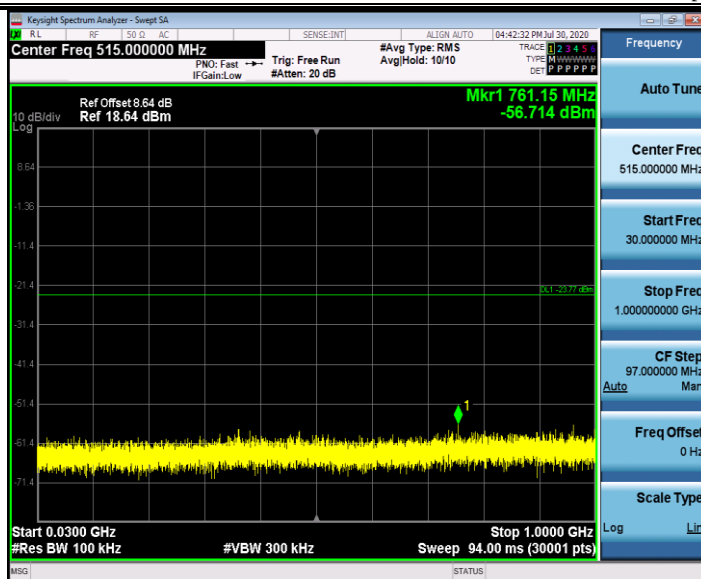
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



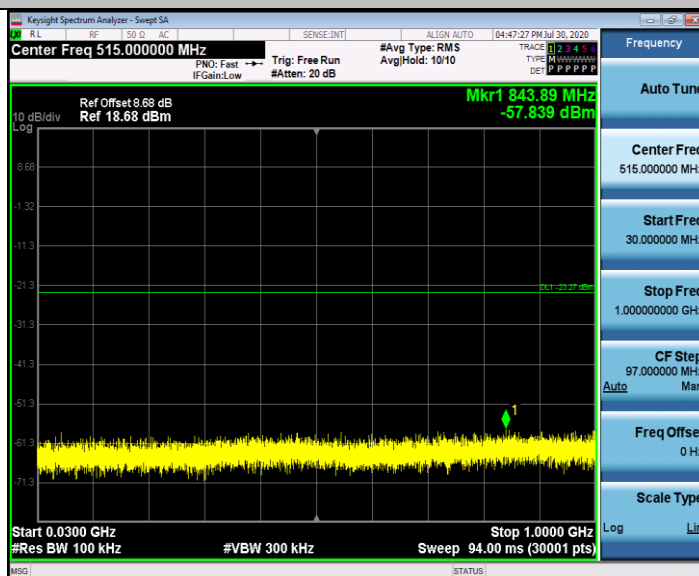
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



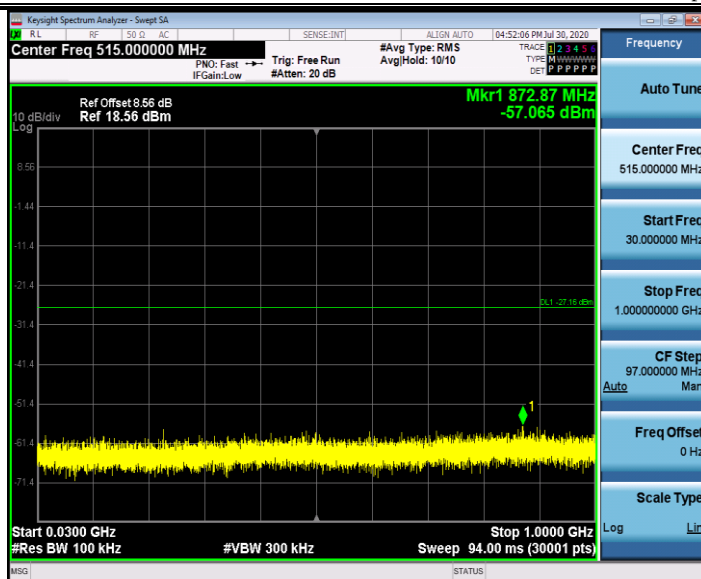
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



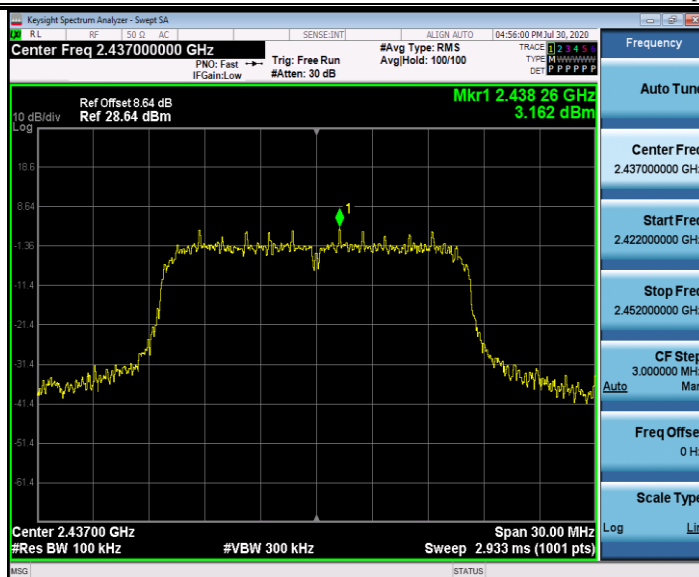
11G_Ant1_2412_30~1000



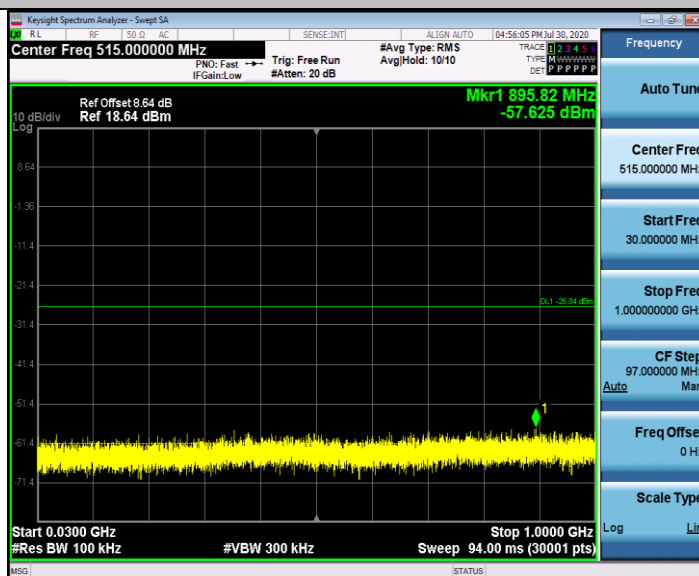
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



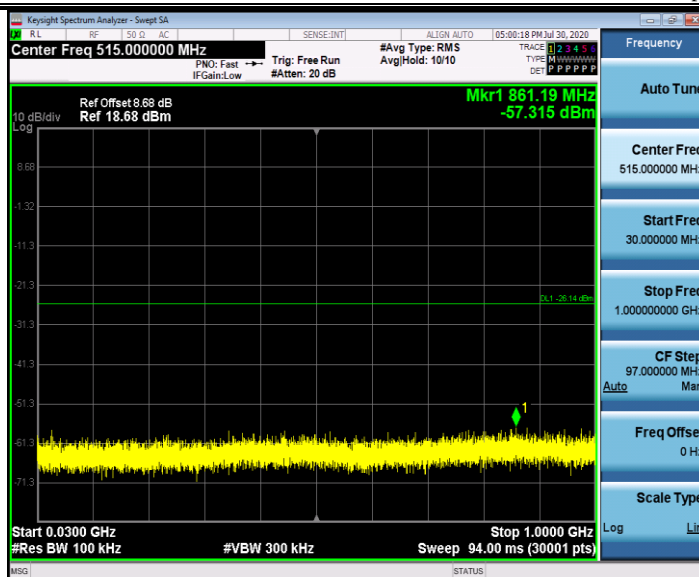
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



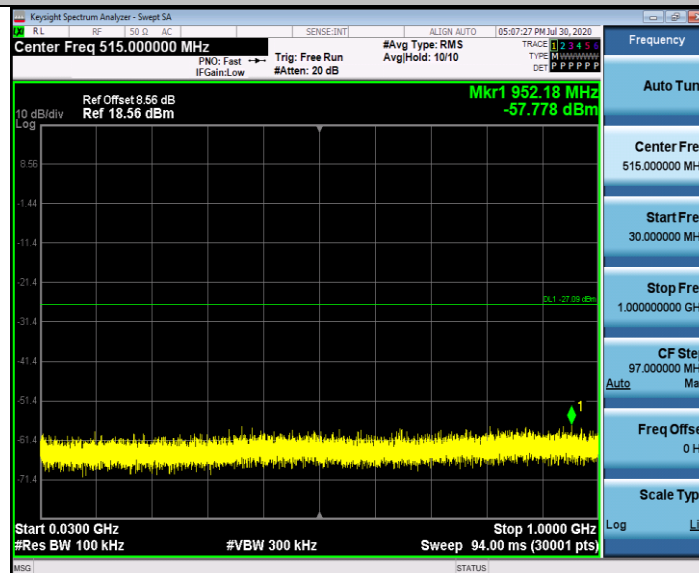
11G_Ant1_2462_1000-26500



11N20SISO_Ant1_2412_0-Reference



11N20SISO_Ant1_2412_30~1000



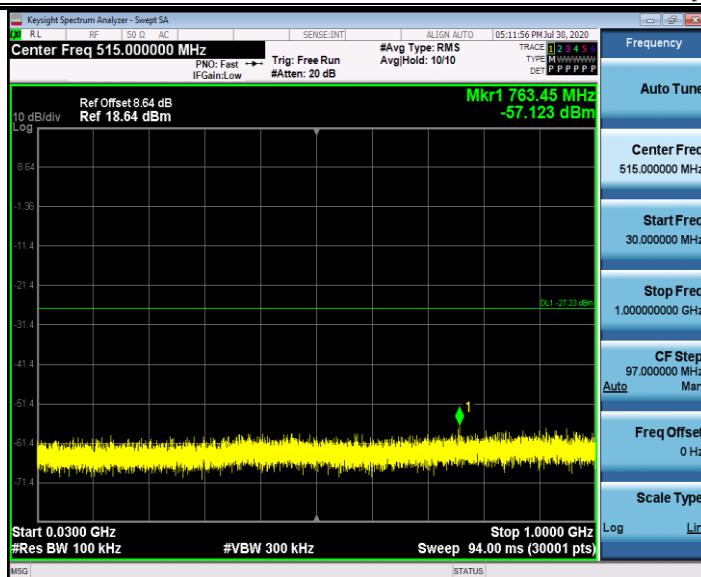
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0-Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000-26500



11N20SISO_Ant1_2462_0-Reference