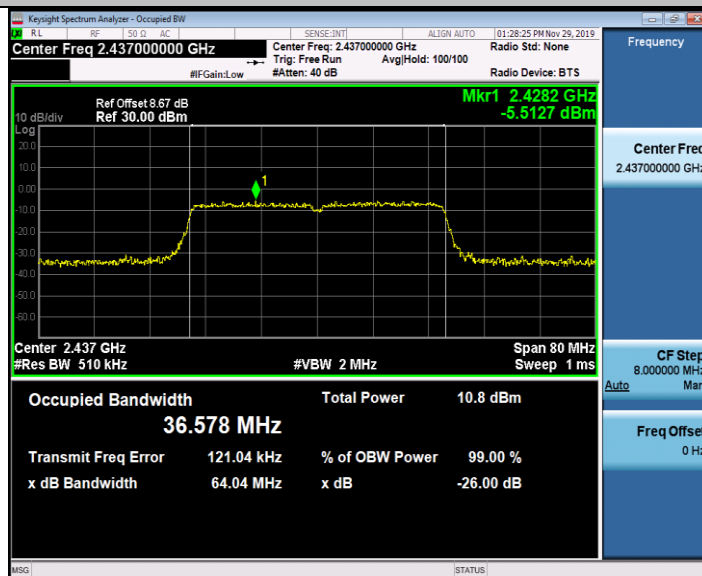
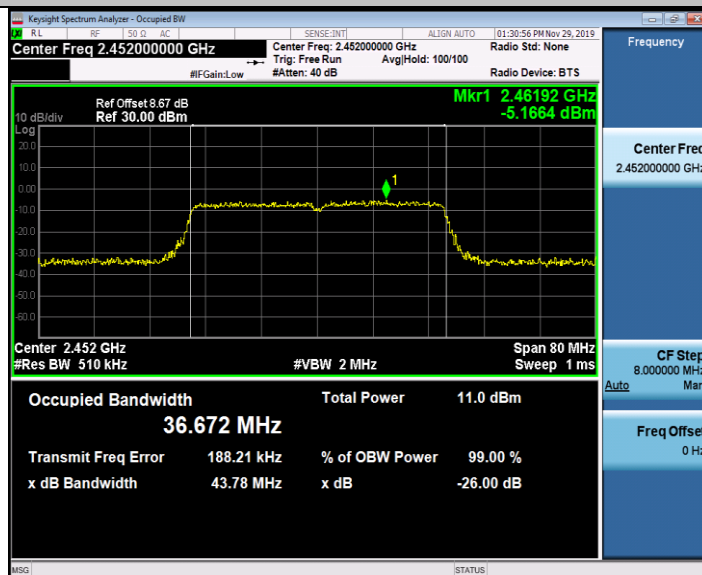


11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

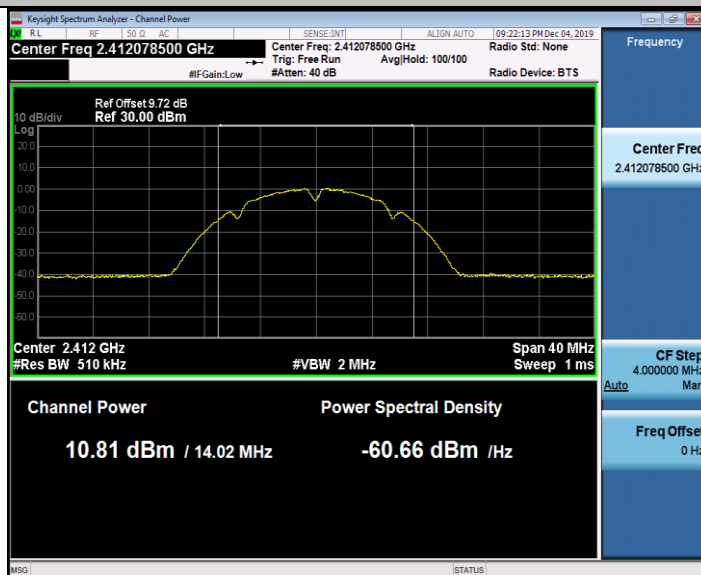
Test Result

TestMode	Antenna	Channel	DT (%)	10 log (1/x)	Result [dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	98.96	0.05	10.81	<=30	PASS
		2437	98.96	0.05	11.27	<=30	PASS
		2462	99.17	0.04	11.88	<=30	PASS
11G	Ant1	2412	90.23	0.45	13.82	<=30	PASS
		2437	90.76	0.42	13.95	<=30	PASS
		2462	89.26	0.49	14.82	<=30	PASS
11N20SISO	Ant1	2412	89.62	0.48	14.07	<=30	PASS
		2437	90.28	0.44	14.79	<=30	PASS
		2462	95.70	0.19	15.62	<=30	PASS
11N40SISO	Ant1	2422	94.31	0.25	11.51	<=30	PASS
		2437	84.12	0.75	12.40	<=30	PASS
		2452	90.71	0.42	12.36	<=30	PASS

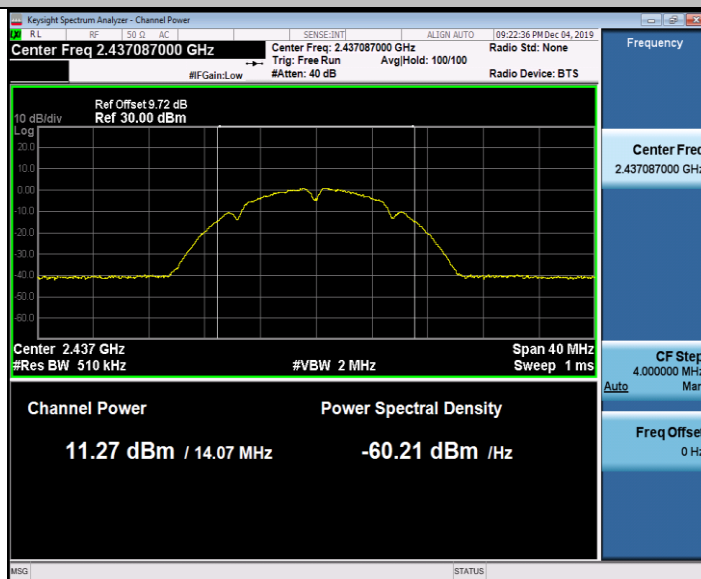
Note: The duty cycle factor has been compensated to the “offset” of the spectrum analyser.

Test Graphs

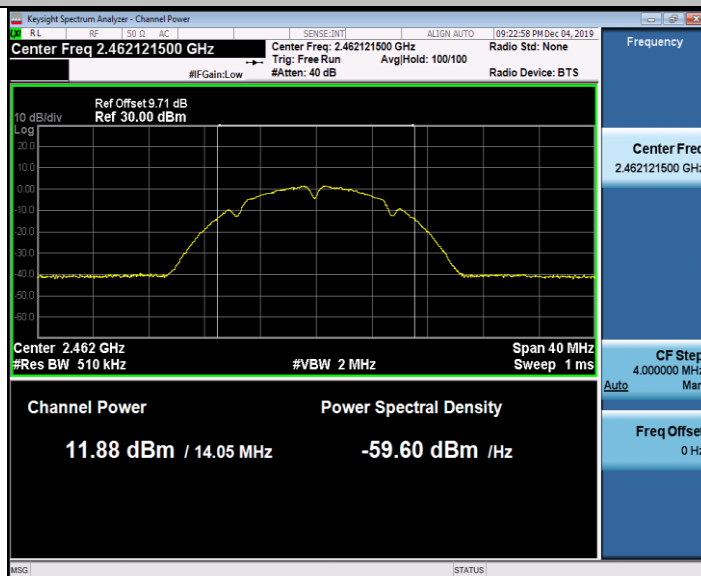
11B_Ant1_2412



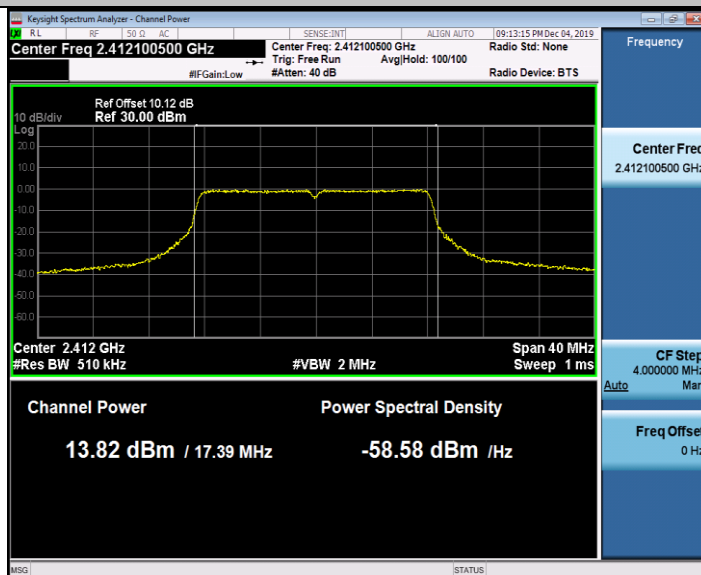
11B_Ant1_2437



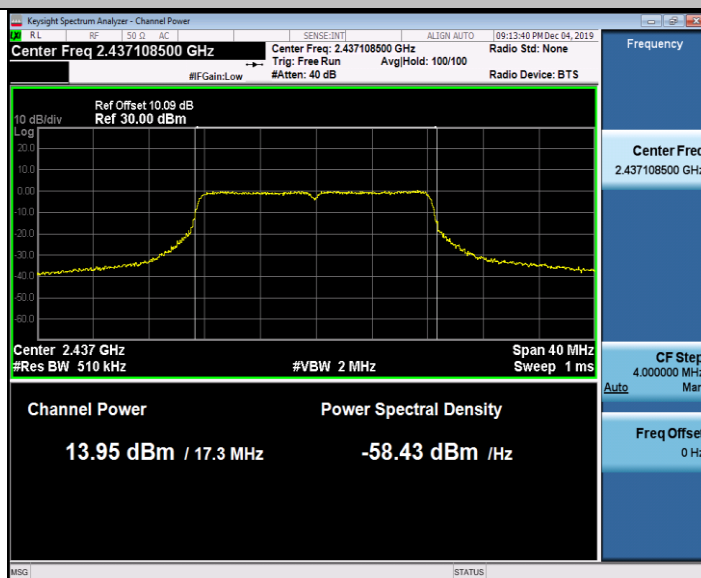
11B_Ant1_2462



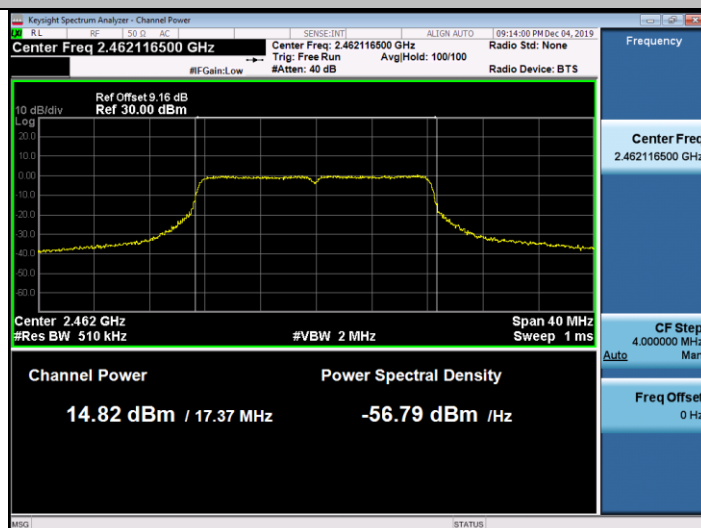
11G_Ant1_2412



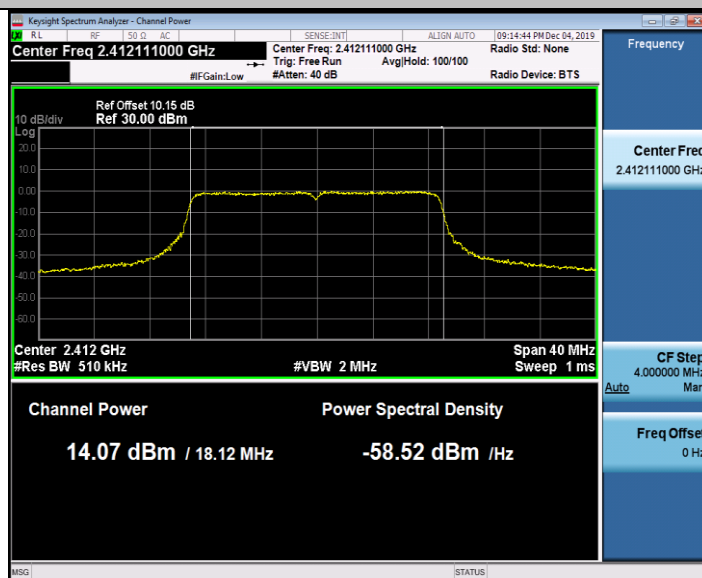
11G_Ant1_2437



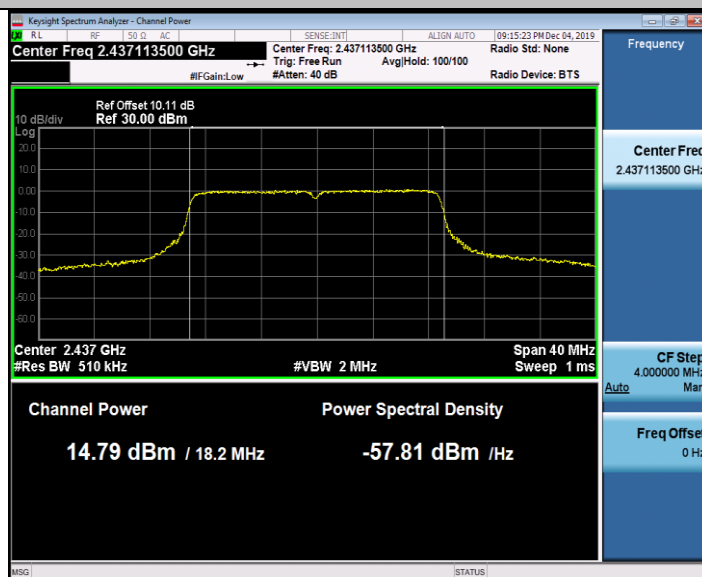
11G_Ant1_2462



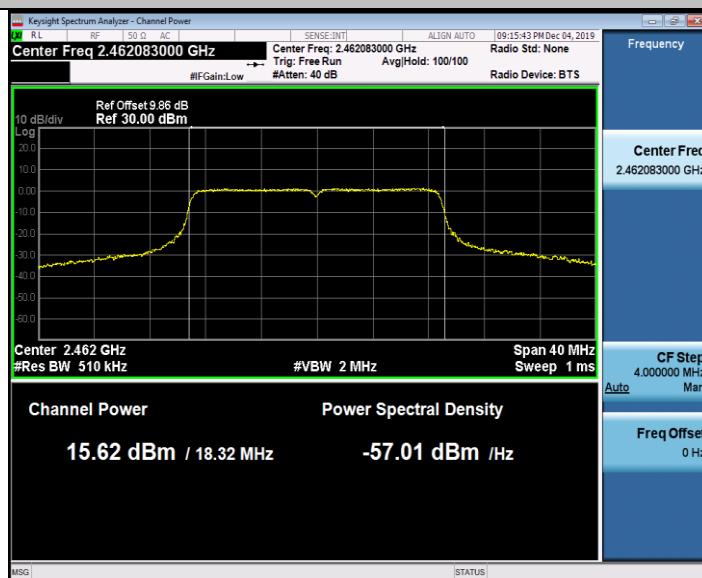
11N20SISO_Ant1_2412



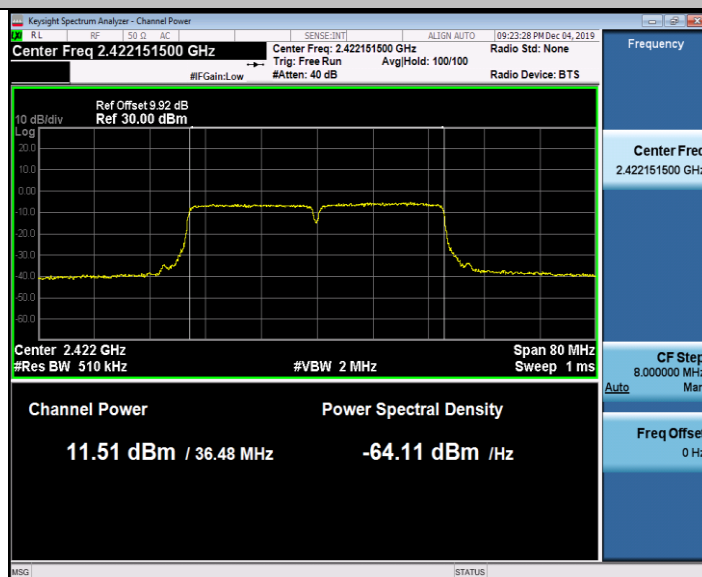
11N20SISO_Ant1_2437



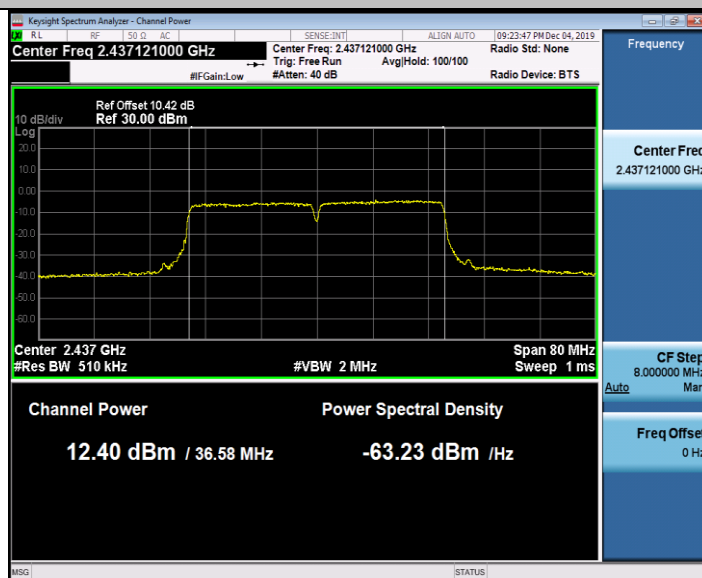
11N20SISO_Ant1_2462



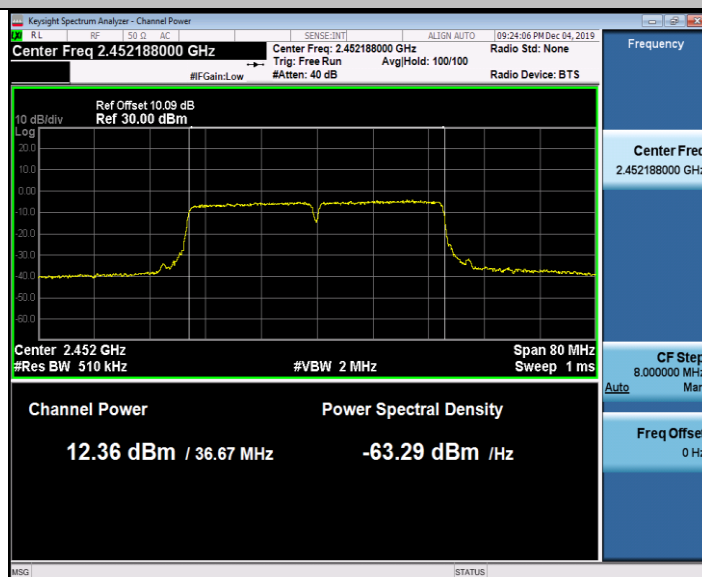
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



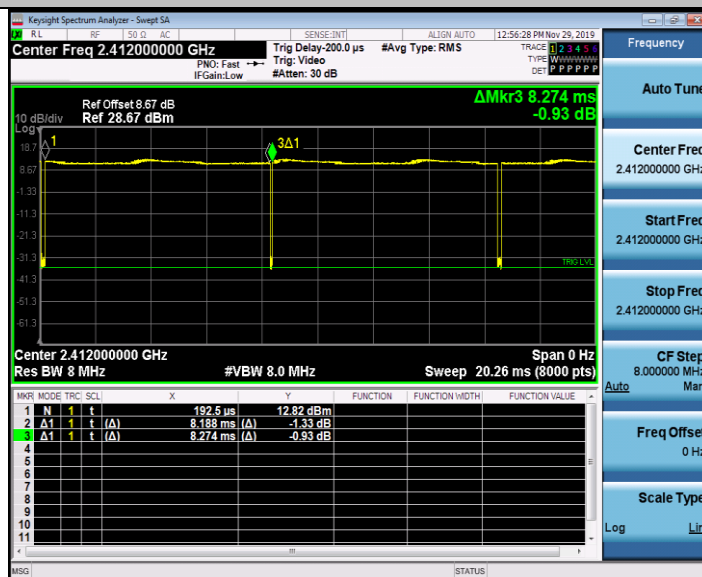
Appendix D: Duty Cycle

Test Result

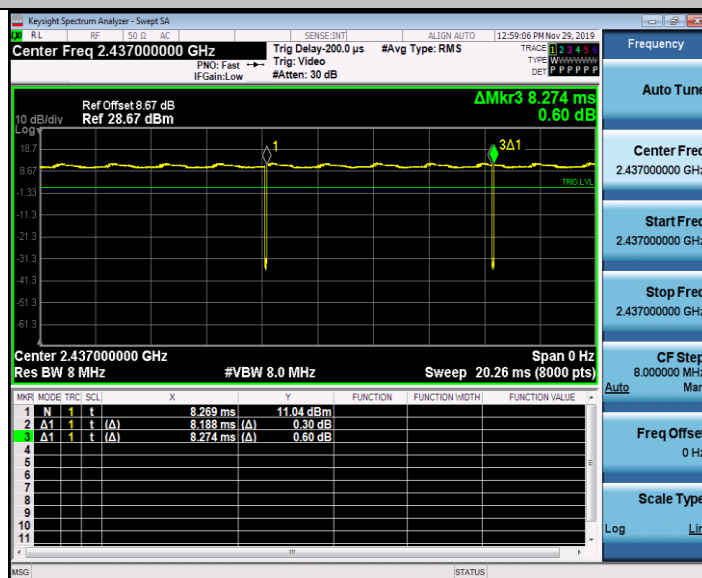
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.19	8.27	98.96
		2437	8.19	8.27	98.96
		2462	8.19	8.26	99.17
11G	Ant1	2412	1.36	1.50	90.23
		2437	1.36	1.49	90.76
		2462	1.36	1.52	89.26
11N20SISO	Ant1	2412	1.27	1.42	89.62
		2437	1.27	1.41	90.28
		2462	1.27	1.33	95.70
11N40SISO	Ant1	2422	0.63	0.67	94.31
		2437	0.63	0.75	84.12
		2452	0.63	0.70	90.71

Test Graphs

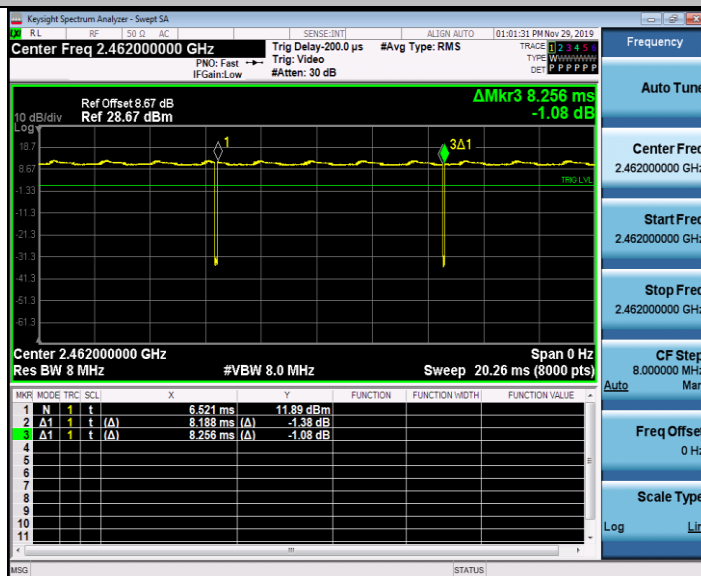
11B_Ant1_2412



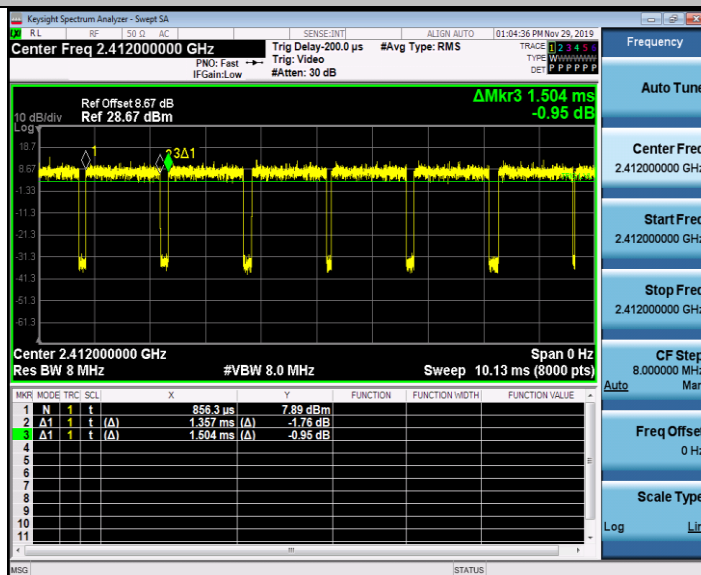
11B_Ant1_2437



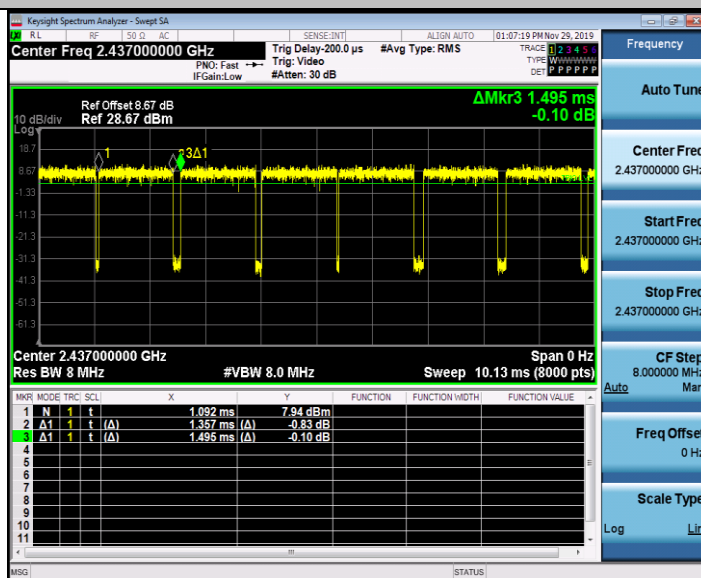
11B_Ant1_2462



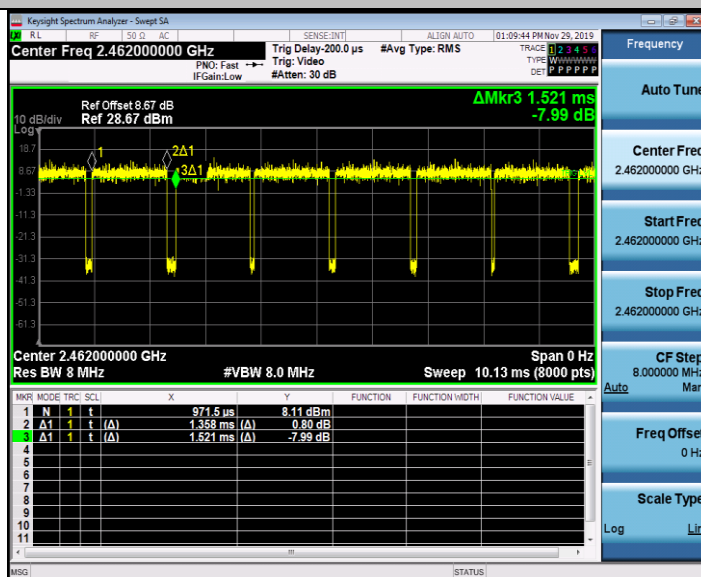
11G_Ant1_2412



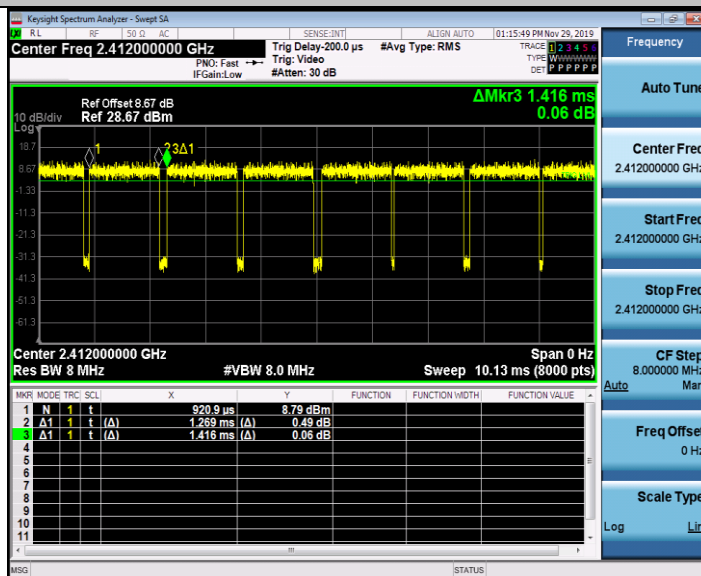
11G_Ant1_2437



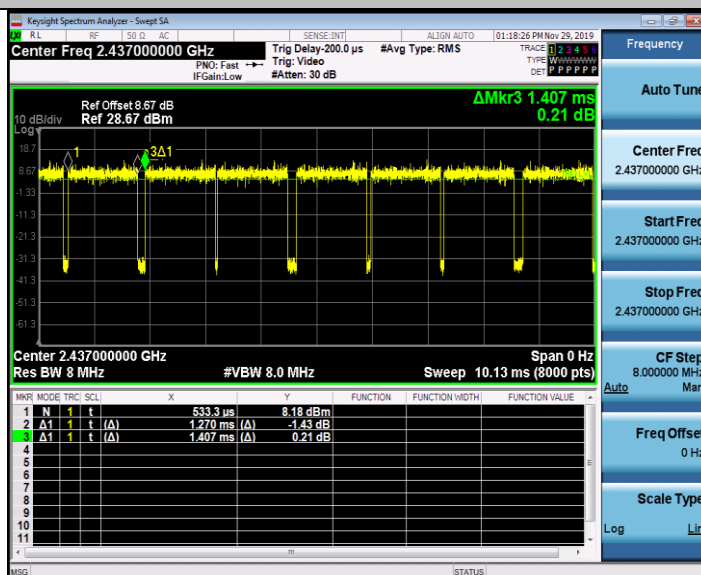
11G_Ant1_2462



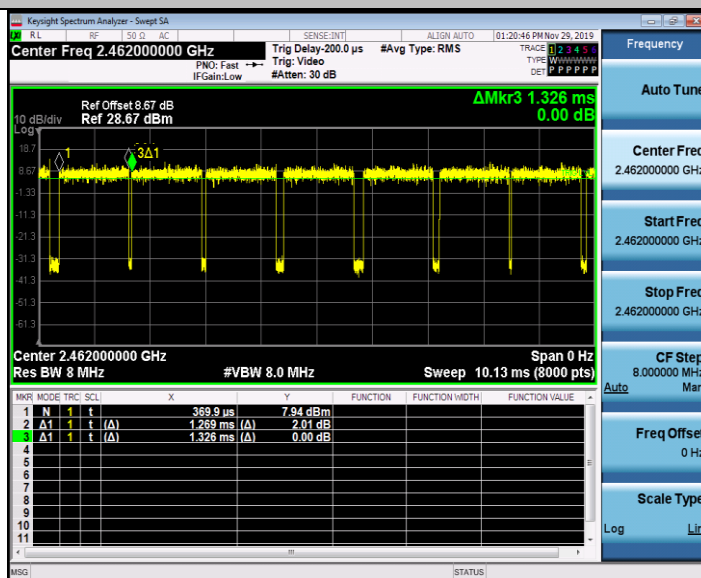
11N20SISO_Ant1_2412



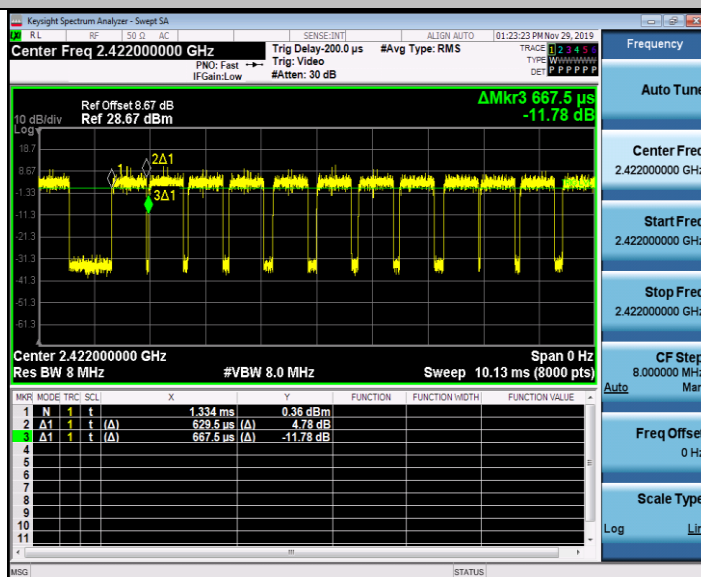
11N20SISO_Ant1_2437



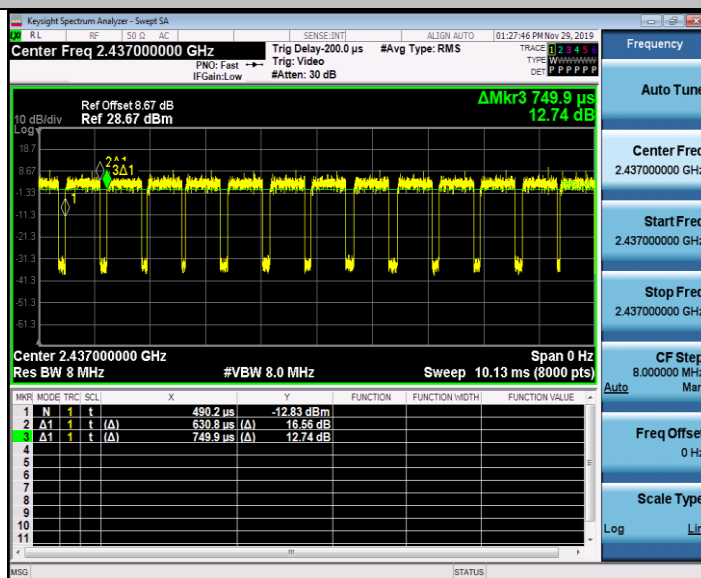
11N20SISO_Ant1_2462



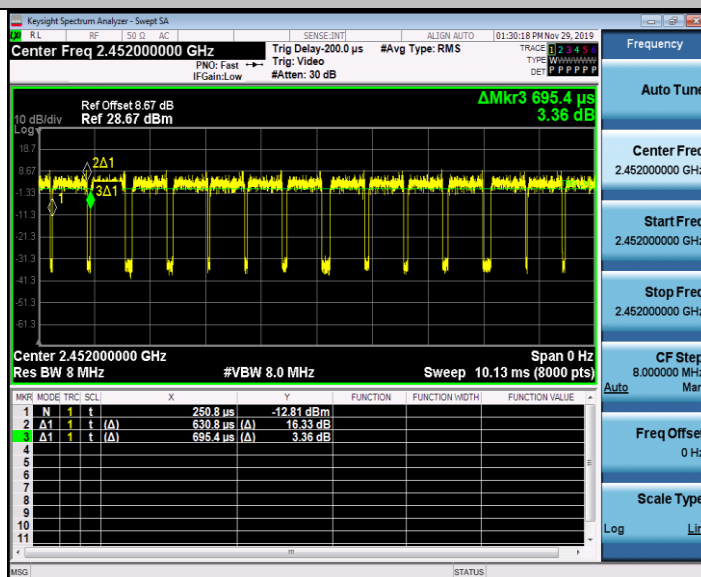
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



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	98.96	0.05	-14.14	-24.14	<=8	PASS
		2437	98.96	0.05	-14.03	-24.03	<=8	PASS
		2462	99.17	0.04	-14.45	-24.45	<=8	PASS
11G	Ant1	2412	90.23	0.45	-14.00	-24.00	<=8	PASS
		2437	90.76	0.42	-14.77	-24.77	<=8	PASS
		2462	89.26	0.49	-15.00	-25.00	<=8	PASS
11N20SISO	Ant1	2412	89.62	0.48	-15.39	-25.39	<=8	PASS
		2437	90.28	0.44	-14.92	-24.92	<=8	PASS
		2462	95.70	0.19	-14.79	-24.79	<=8	PASS
11N40SISO	Ant1	2422	94.31	0.25	-15.23	-25.23	<=8	PASS
		2437	84.12	0.75	-15.51	-25.51	<=8	PASS
		2452	90.71	0.42	-15.79	-25.79	<=8	PASS

Note:

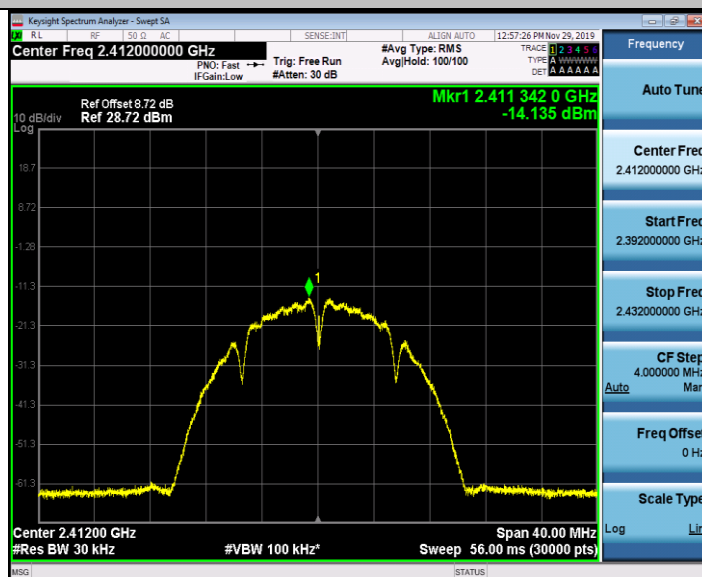
The duty cycle factor has been compensated to the "offset" of the spectrum analyser.

calculating the RBW=3kHz value:

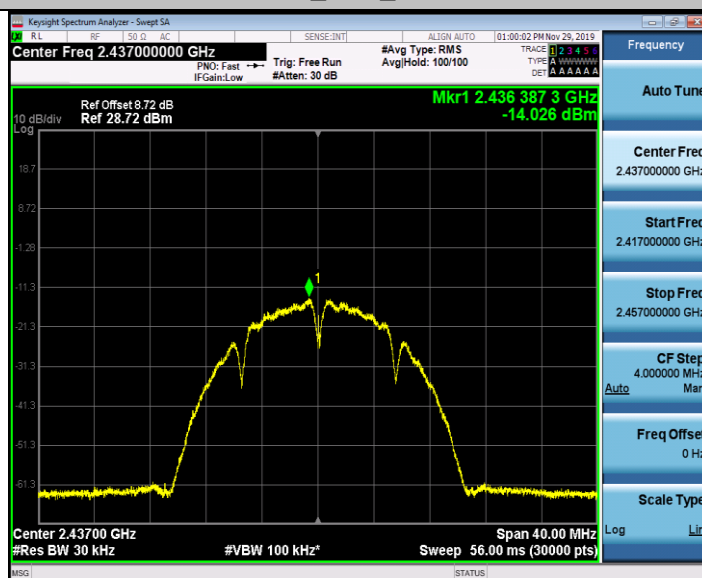
$-14.14 \text{ (AV.PSD At RBW=30kHz)} - 10 \cdot \log(30/3) = -24.14 \text{ (AV.PSD At RBW=3kHz)}$

Test Graphs

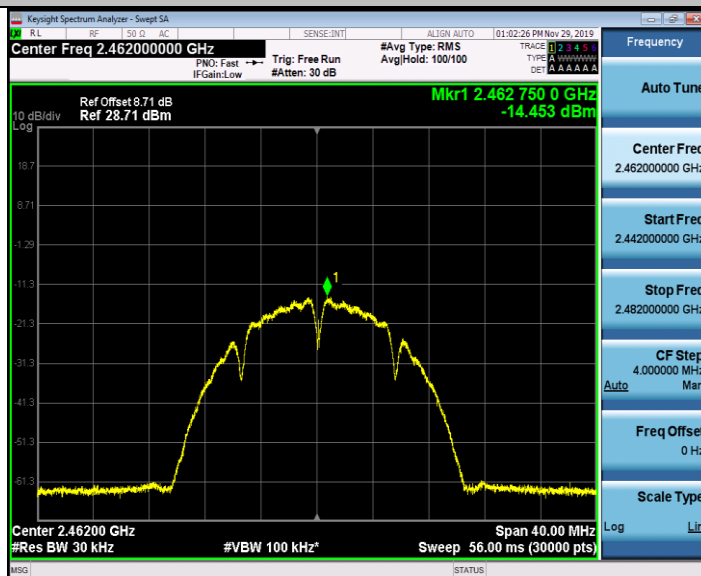
11B_Ant1_2412



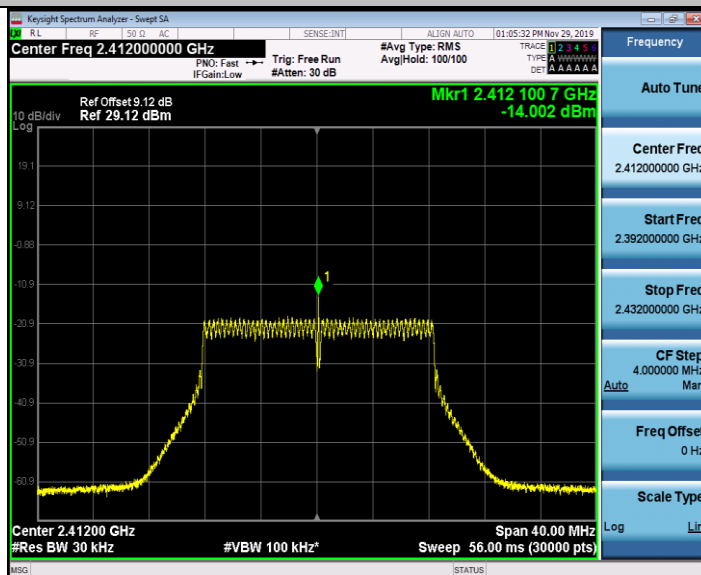
11B_Ant1_2437



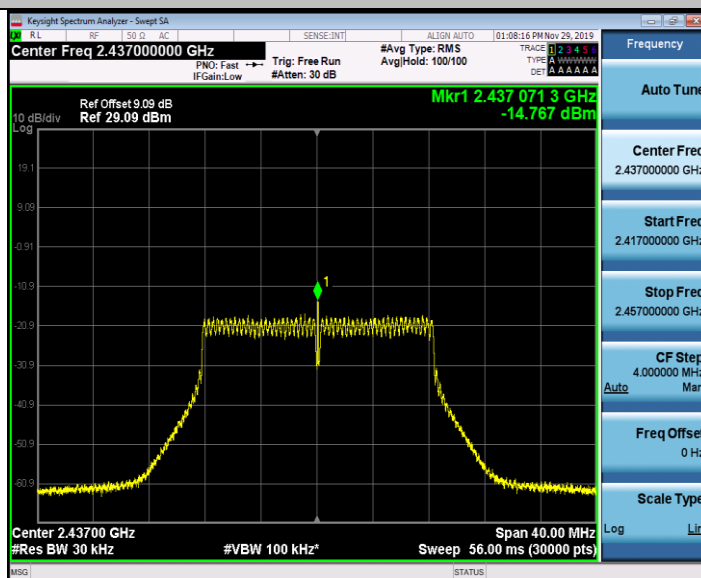
11B_Ant1_2462



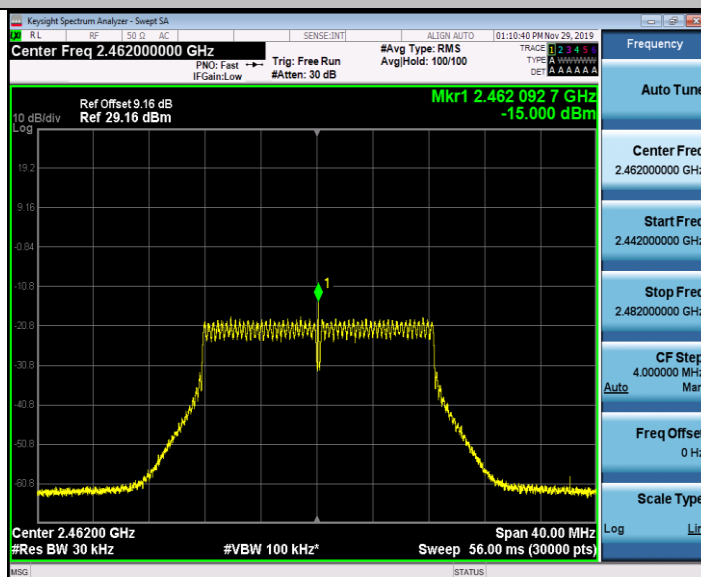
11G_Ant1_2412



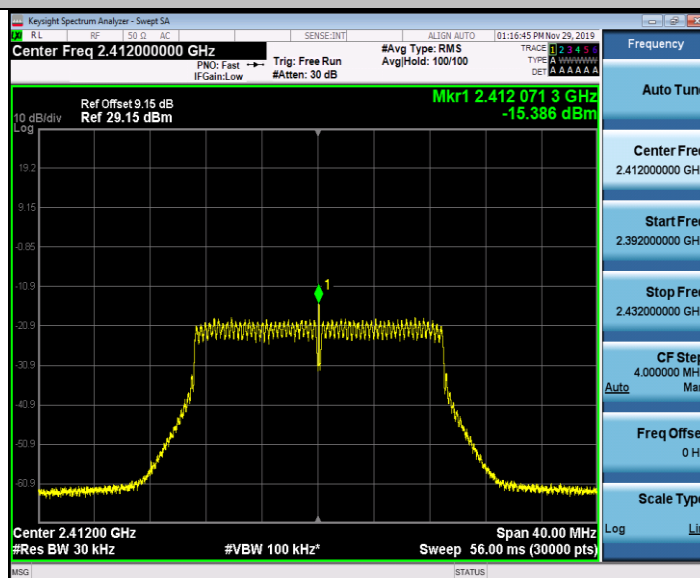
11G_Ant1_2437



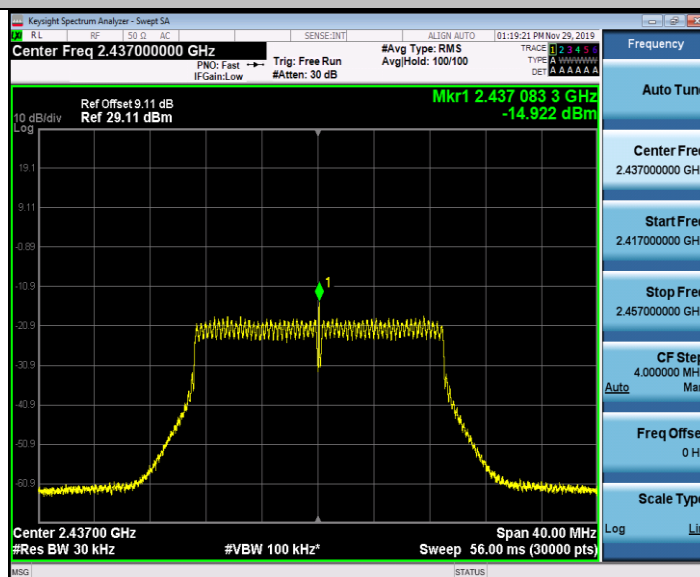
11G_Ant1_2462



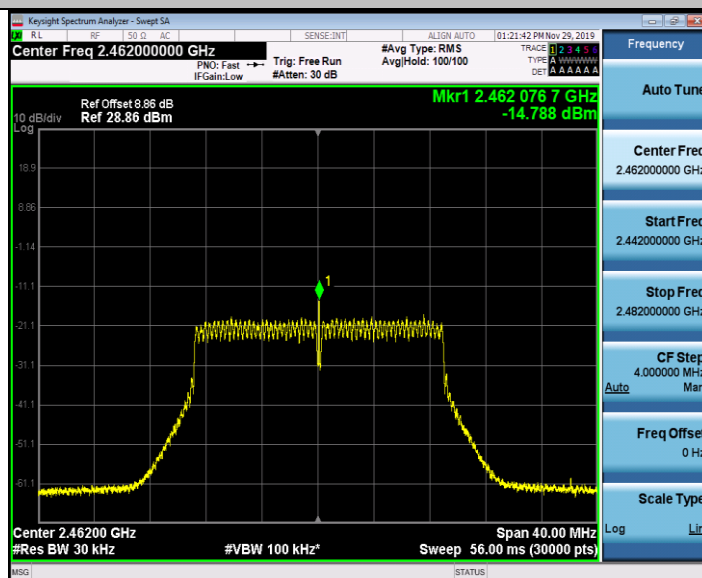
11N20SISO_Ant1_2412



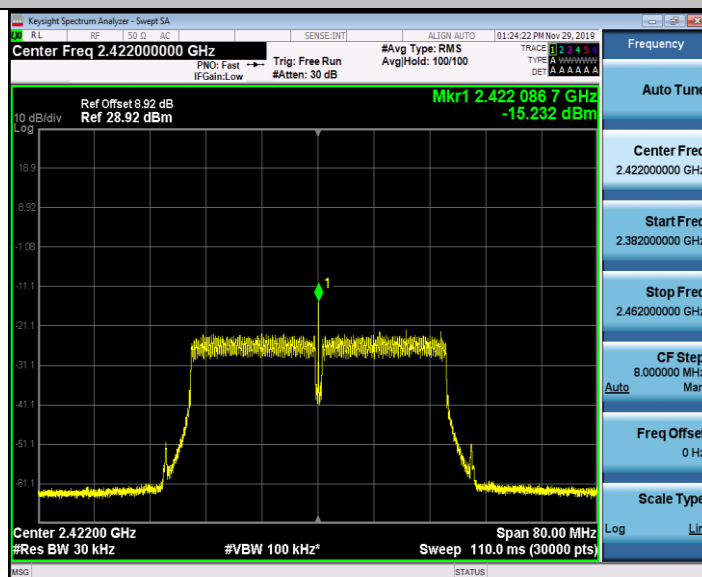
11N20SISO_Ant1_2437



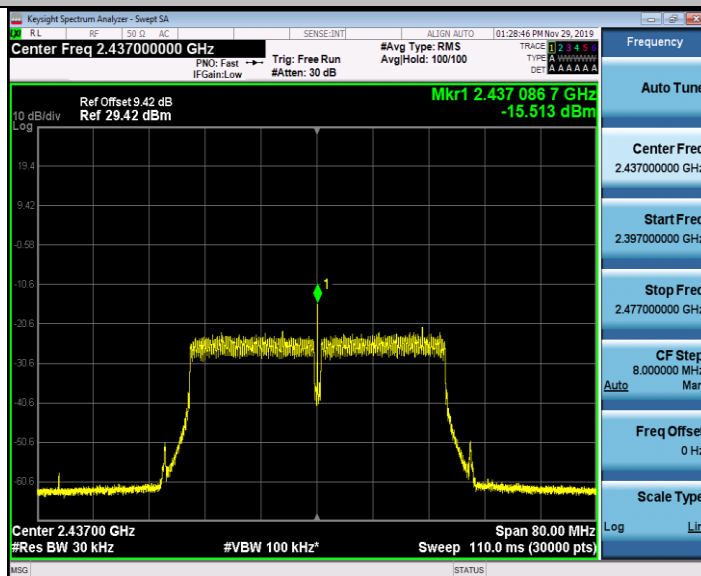
11N20SISO_Ant1_2462



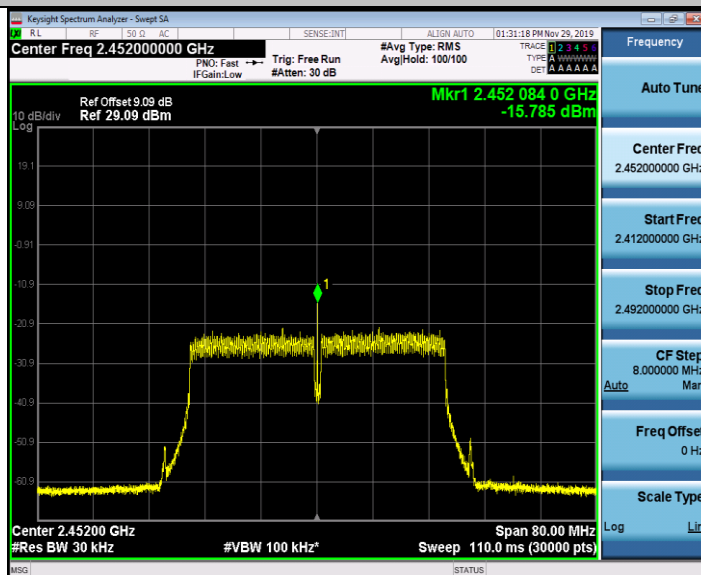
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



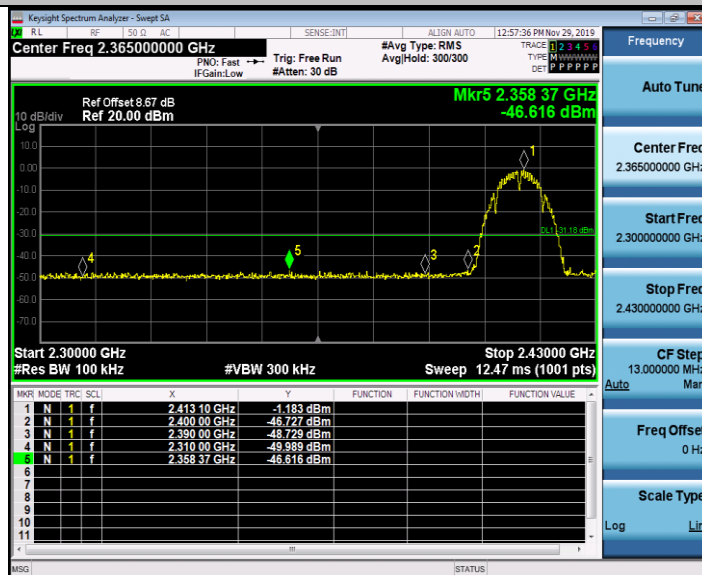
Appendix F: Band edge measurements

Test Result

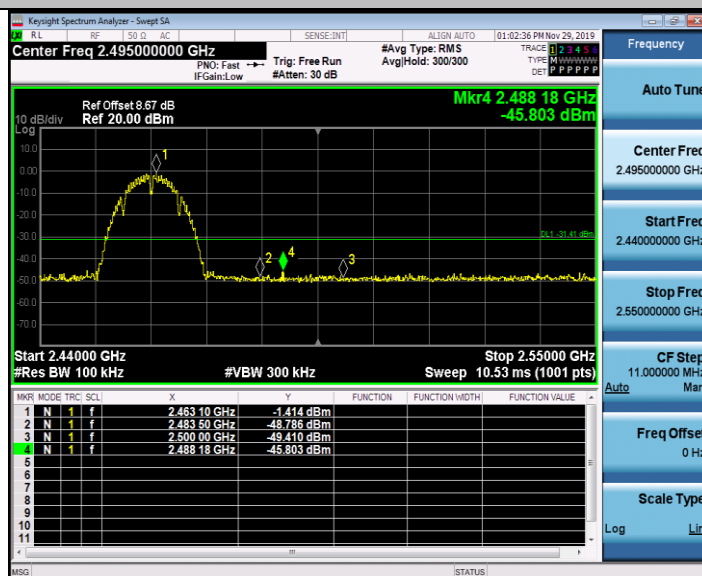
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.18	-46.62	<=-31.18	PASS
		High	2462	-1.41	-45.8	<=-31.41	PASS
11G	Ant1	Low	2412	-5.47	-43.17	<=-35.47	PASS
		High	2462	-5.52	-46.32	<=-35.52	PASS
11N20SISO	Ant1	Low	2412	-5.20	-42.91	<=-35.2	PASS
		High	2462	-4.98	-46.28	<=-34.98	PASS
11N40SISO	Ant1	Low	2422	-9.07	-42.5	<=-39.07	PASS
		High	2452	-9.02	-46.39	<=-39.02	PASS

Test Graphs

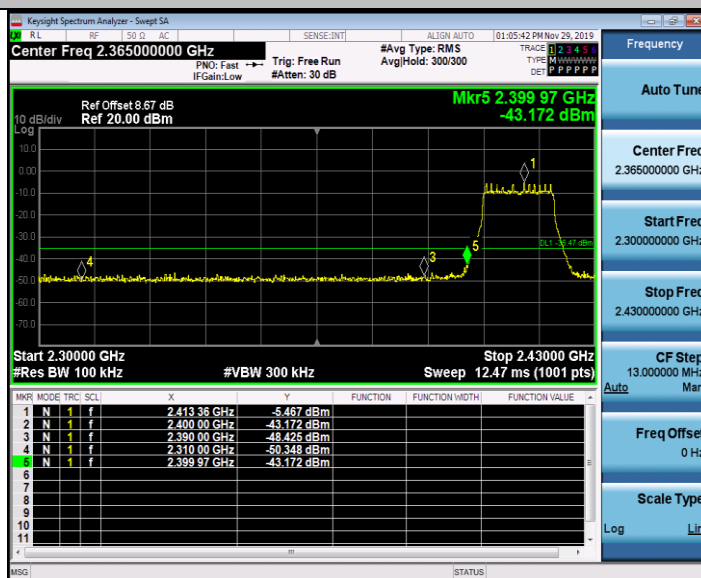
11B_Ant1_Low_2412



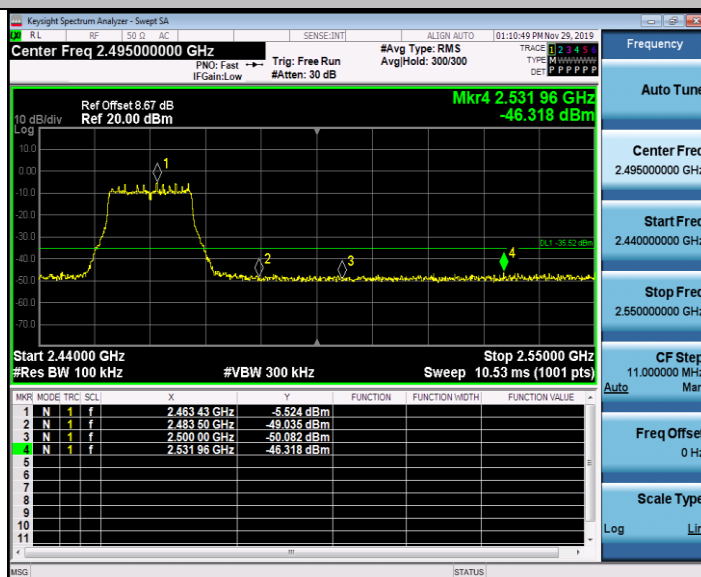
11B_Ant1_High_2462



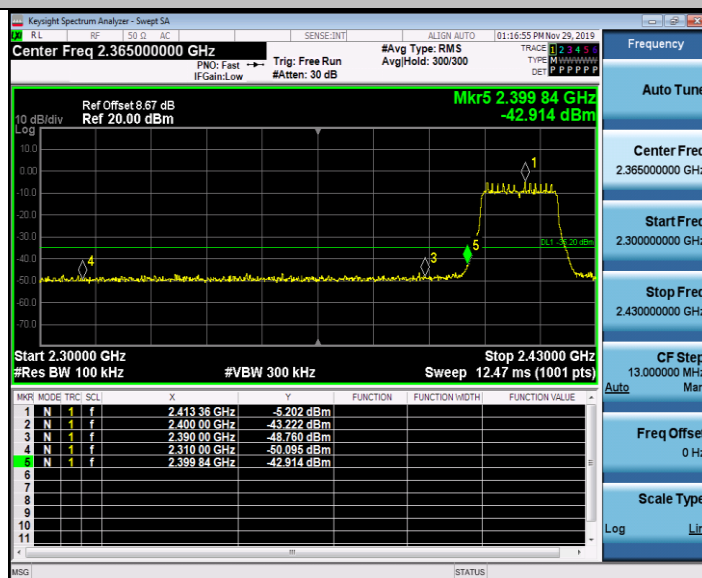
11G_Ant1_Low_2412



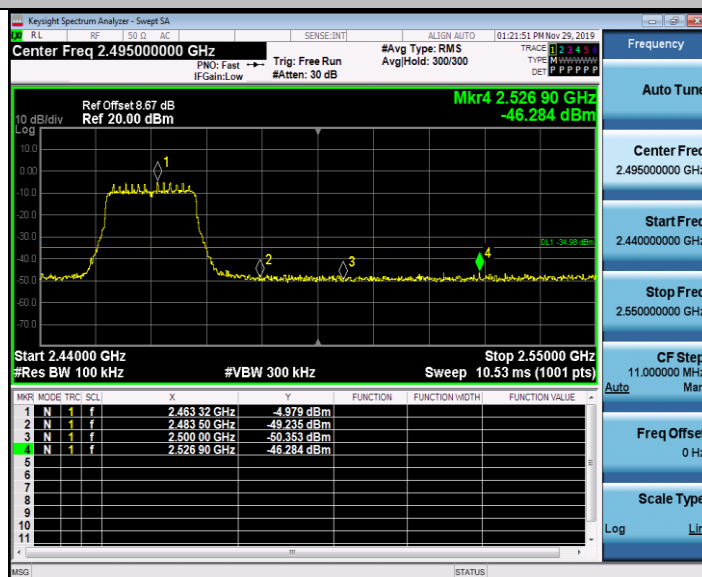
11G_Ant1_High_2462



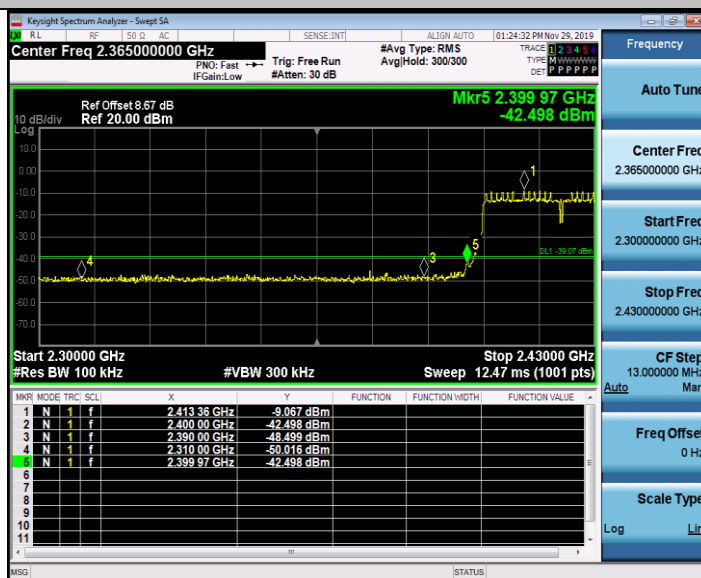
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.47	-1.47	---	PASS
			30~1000	30~1000	-66.682	<=-31.471	PASS
			1000~26500	1000~26500	-46.47	<=-31.471	PASS
		2437	Reference	-0.80	-0.80	---	PASS
			30~1000	30~1000	-66.724	<=-30.798	PASS
			1000~26500	1000~26500	-44.617	<=-30.798	PASS
		2462	Reference	-1.20	-1.20	---	PASS
			30~1000	30~1000	-66.573	<=-31.196	PASS
			1000~26500	1000~26500	-45.419	<=-31.196	PASS
11G	Ant1	2412	Reference	-5.64	-5.64	---	PASS
			30~1000	30~1000	-65.737	<=-35.637	PASS
			1000~26500	1000~26500	-48.863	<=-35.637	PASS
		2437	Reference	-5.01	-5.01	---	PASS
			30~1000	30~1000	-66.435	<=-35.007	PASS
			1000~26500	1000~26500	-48.221	<=-35.007	PASS
		2462	Reference	-5.78	-5.78	---	PASS
			30~1000	30~1000	-66.583	<=-35.778	PASS
			1000~26500	1000~26500	-47.933	<=-35.778	PASS
11N20SISO	Ant1	2412	Reference	-5.39	-5.39	---	PASS
			30~1000	30~1000	-66.234	<=-35.394	PASS
			1000~26500	1000~26500	-47.413	<=-35.394	PASS
		2437	Reference	-5.15	-5.15	---	PASS
			30~1000	30~1000	-66.643	<=-35.146	PASS
			1000~26500	1000~26500	-48.369	<=-35.146	PASS
		2462	Reference	-5.26	-5.26	---	PASS
			30~1000	30~1000	-66.657	<=-35.256	PASS
			1000~26500	1000~26500	-48.396	<=-35.256	PASS
11N40SISO	Ant1	2422	Reference	-8.99	-8.99	---	PASS
			30~1000	30~1000	-66.536	<=-38.992	PASS
			1000~26500	1000~26500	-48.236	<=-38.992	PASS

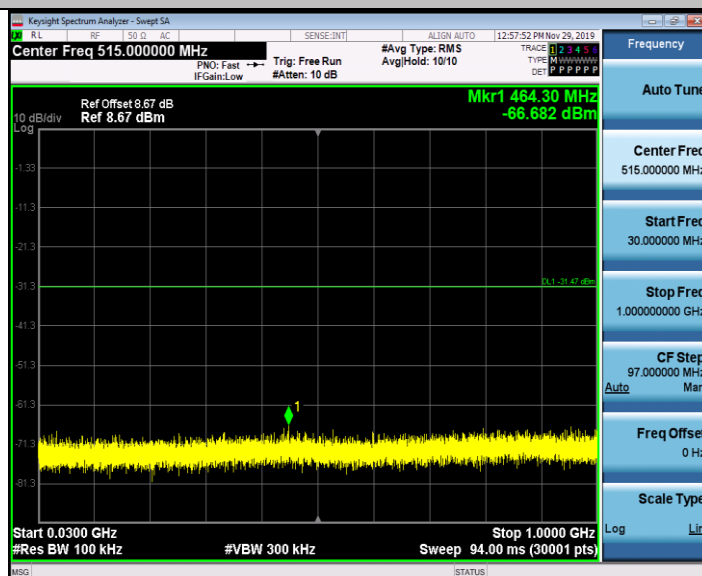
		2437	Reference	-9.55	-9.55	---	PASS
			30~1000	30~1000	-66.162	<=-39.547	PASS
			1000~26500	1000~26500	-48.494	<=-39.547	PASS
		2452	Reference	-8.94	-8.94	---	PASS
			30~1000	30~1000	-67.205	<=-38.94	PASS
			1000~26500	1000~26500	-48.751	<=-38.94	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



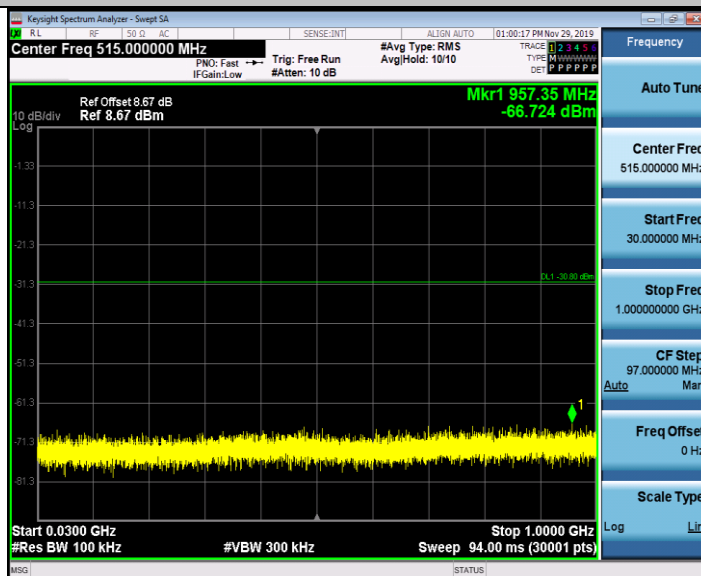
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



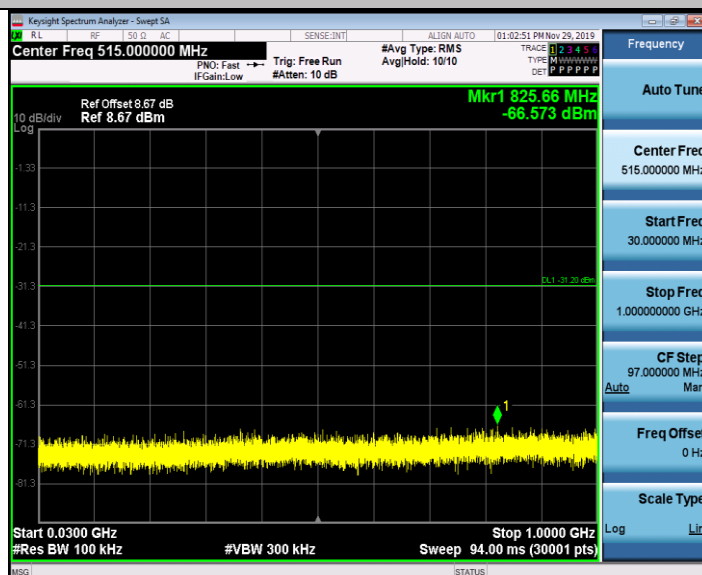
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

