

11G Ant1 2412



11G Ant1 2437



11G Ant1 2462



11N20SISO Ant1 2412



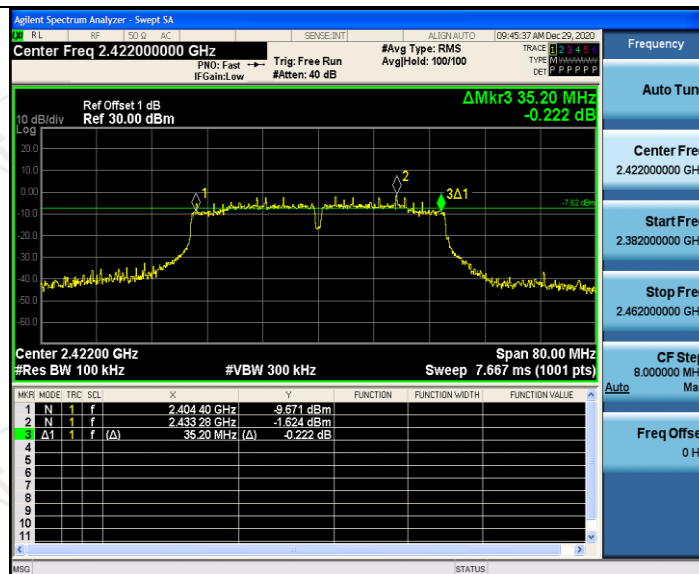
11N20SISO Ant1 2437



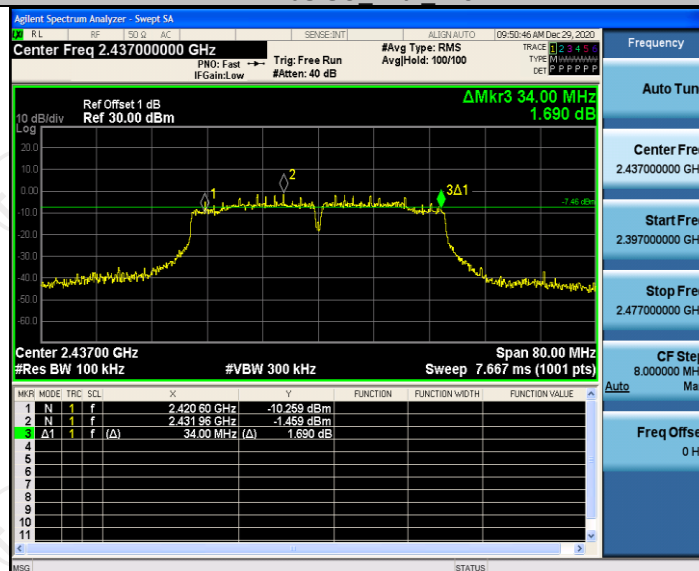
11N20SISO Ant1 2462



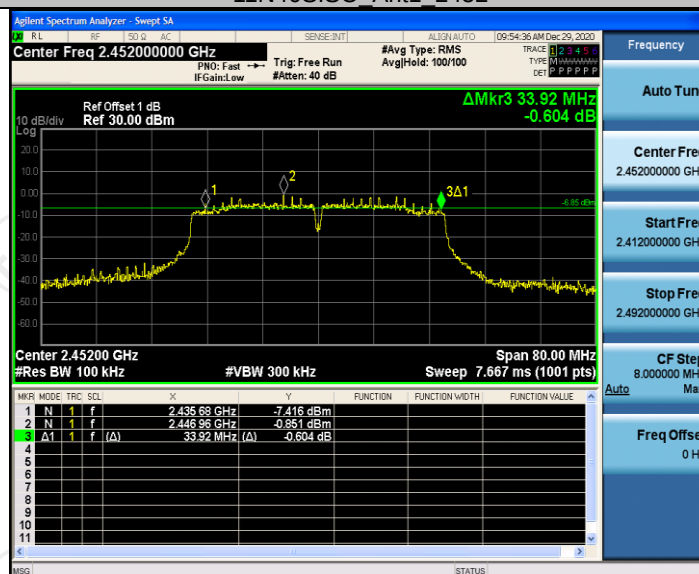
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



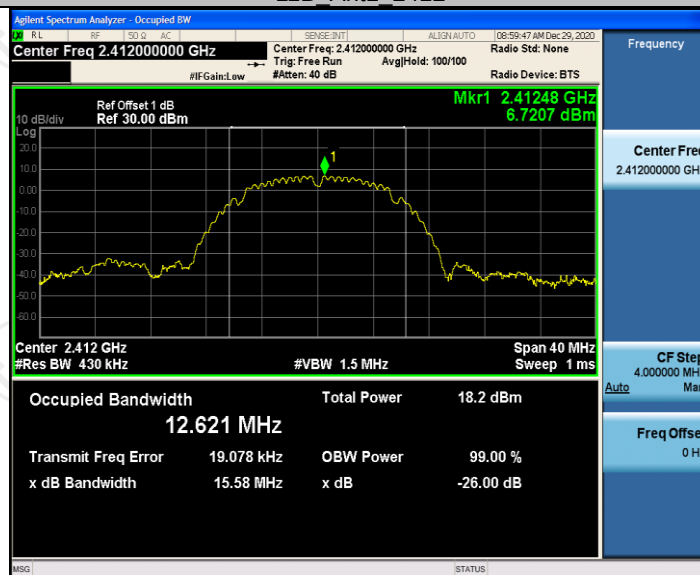
Occupied Channel Bandwidth

Test Result

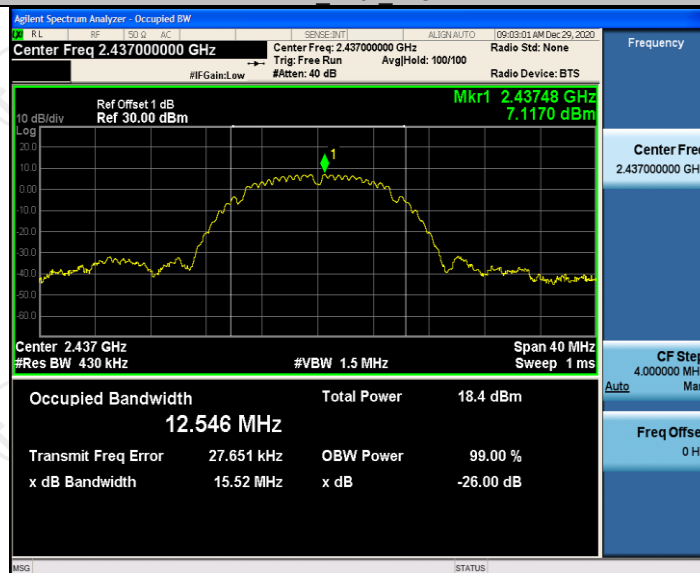
TestMode	Antenna	Channel	OCB [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	12.621	---	PASS
		2437	12.546	---	PASS
		2462	12.512	---	PASS
11G	Ant1	2412	16.849	---	PASS
		2437	16.723	---	PASS
		2462	16.761	---	PASS
11N20SISO	Ant1	2412	17.927	---	PASS
		2437	17.882	---	PASS
		2462	17.925	---	PASS
11N40SISO	Ant1	2422	36.144	---	PASS
		2437	36.123	---	PASS
		2452	36.161	---	PASS

Test Graphs

11B Ant1 2412



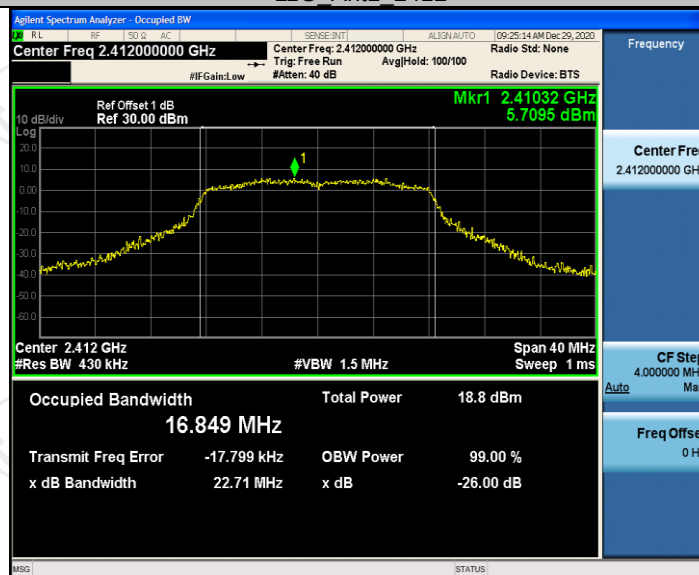
11B Ant1 2437



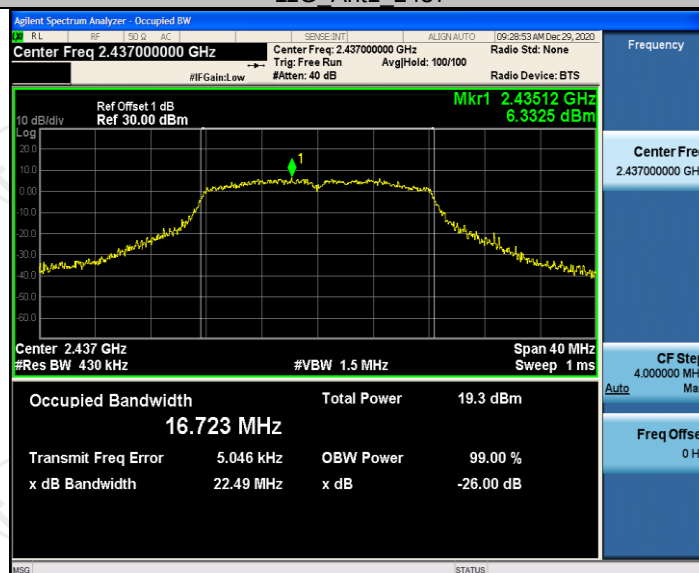
11B Ant1 2462



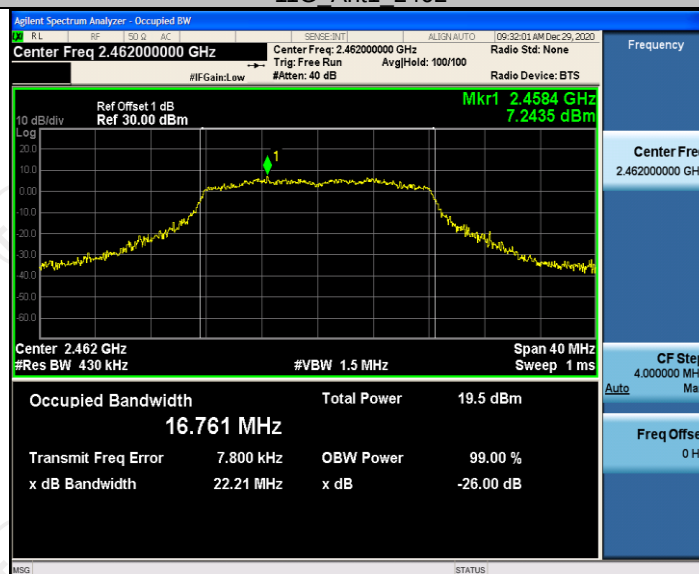
11G Ant1 2412



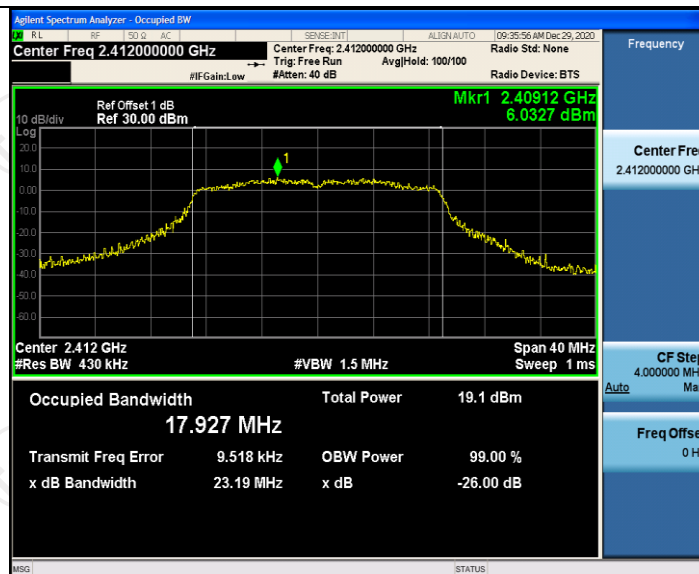
11G Ant1 2437



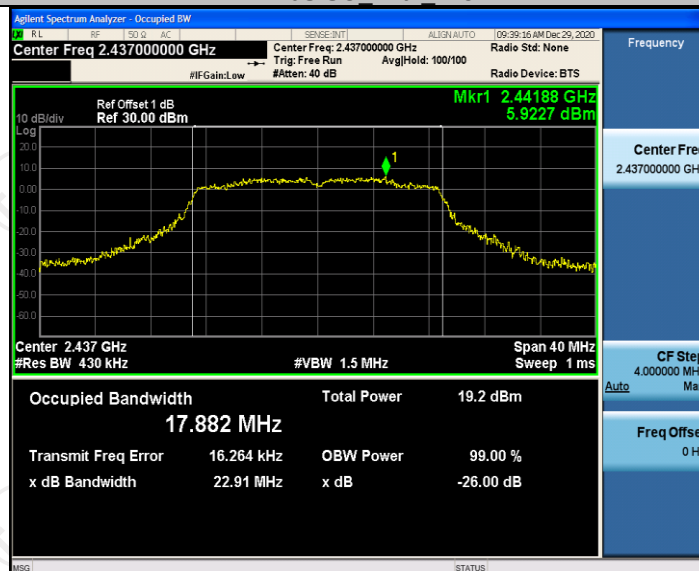
11G Ant1 2462



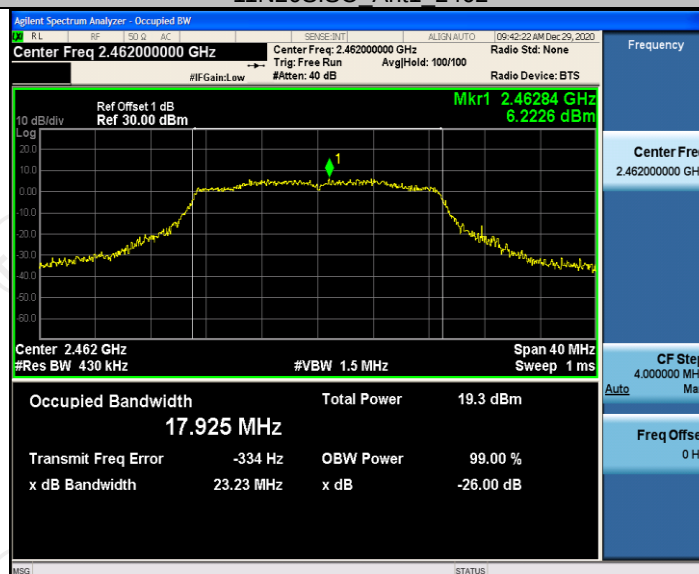
11N20SISO Ant1 2412



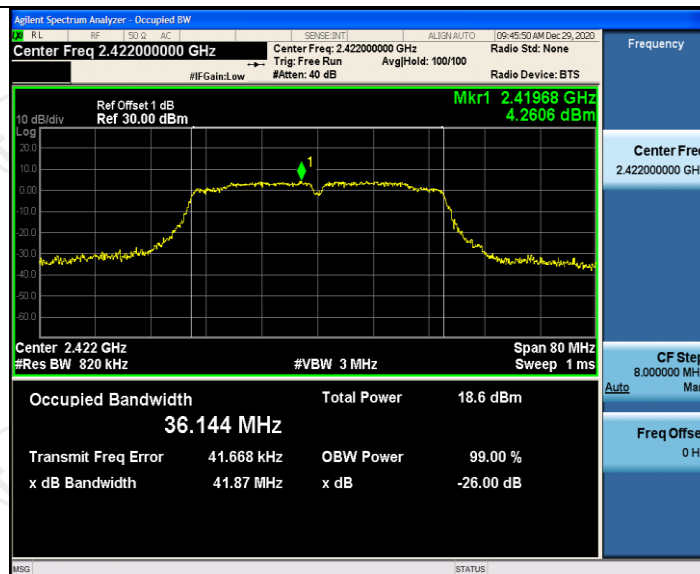
11N20SISO Ant1 2437



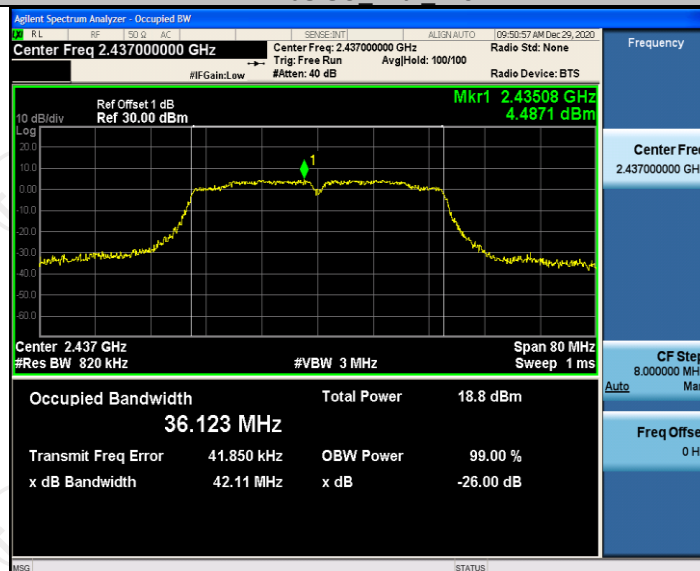
11N20SISO Ant1 2462



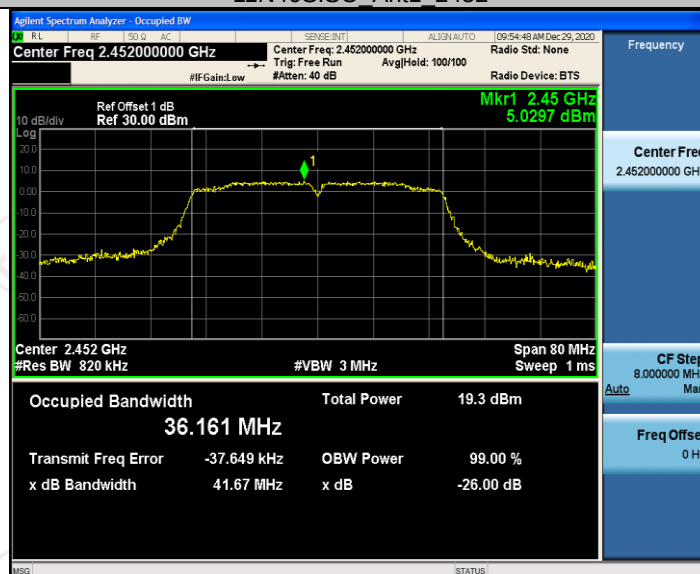
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Maximum conducted output power

Test Result

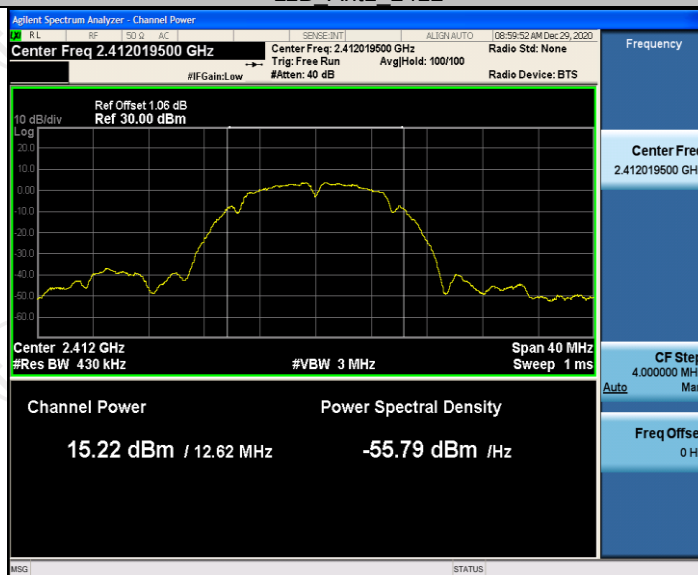
TestMode	Antenna	Channel	Result [dBm]	Duty cycle factor	Final result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	15.22	N/A	15.220	<=30	PASS
		2437	15.48	N/A	15.480	<=30	PASS
		2462	15.27	N/A	15.270	<=30	PASS
11G	Ant0	2412	13.09	N/A	13.090	<=30	PASS
		2437	13.13	N/A	13.130	<=30	PASS
		2462	13.37	N/A	13.370	<=30	PASS
11N20SISO	Ant0	2412	13.00	N/A	13.000	<=30	PASS
		2437	13.00	N/A	13.000	<=30	PASS
		2462	13.22	N/A	13.220	<=30	PASS
11N40SISO	Ant0	2422	12.63	0.134	12.764	<=30	PASS
		2437	12.30	0.134	12.434	<=30	PASS
		2452	12.79	0.134	12.924	<=30	PASS

Note:

Duty cycle > 98% N/A
Duty cycle factor = $10\log 1/\text{duty cycle}$
Final result = Result + $(10\log 1/\text{duty cycle})$

Test Graphs

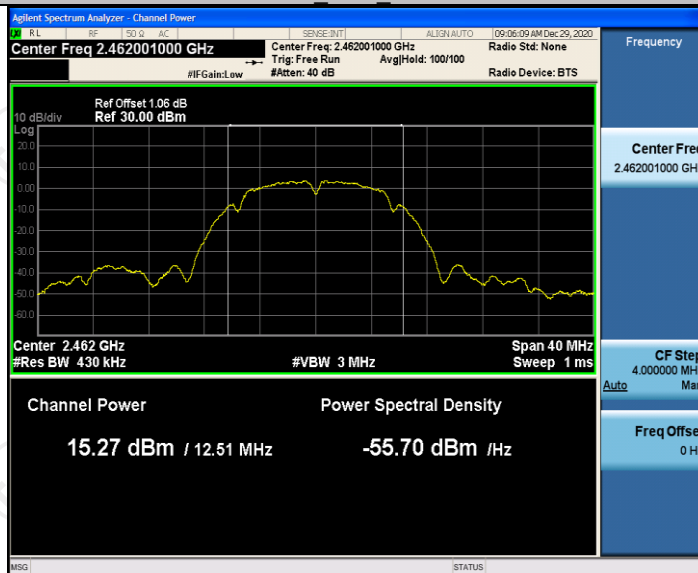
11B_Ant1_2412



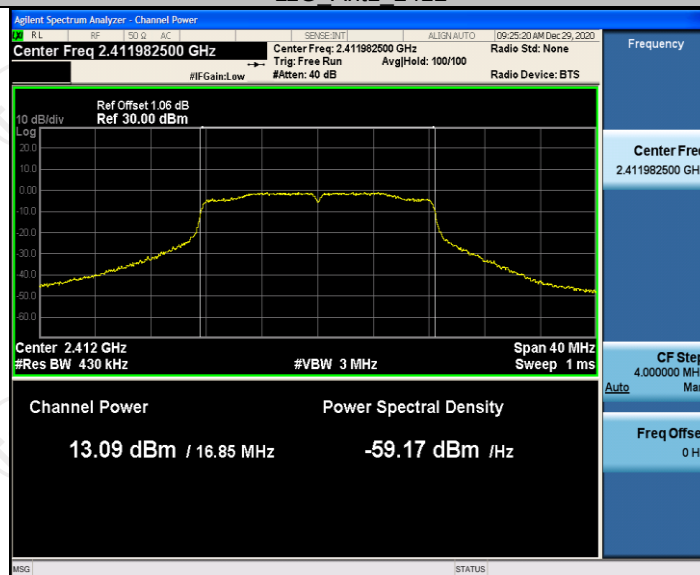
11B_Ant1_2437



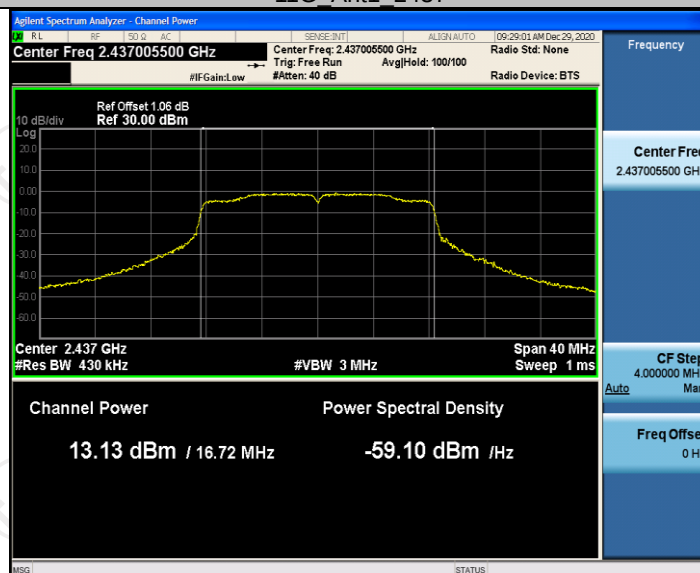
11B_Ant1_2462



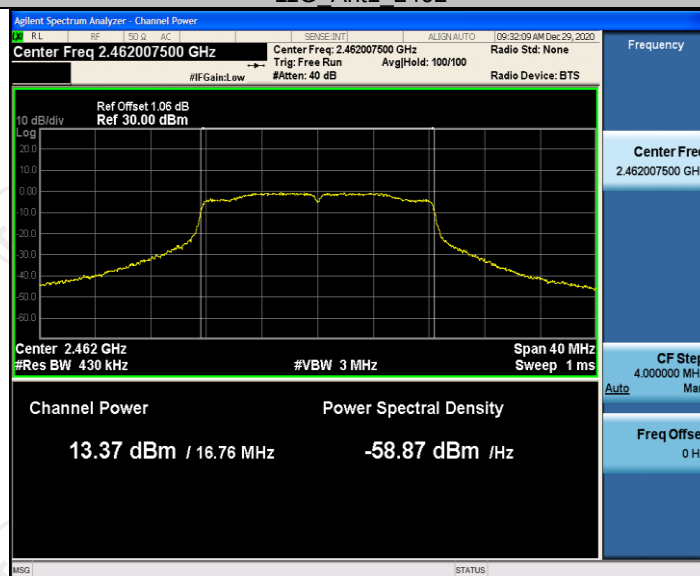
11G Ant1 2412



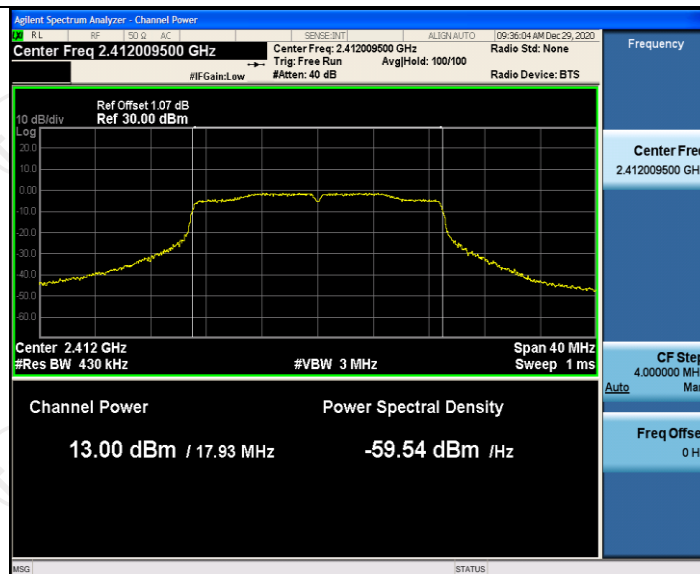
11G Ant1 2437



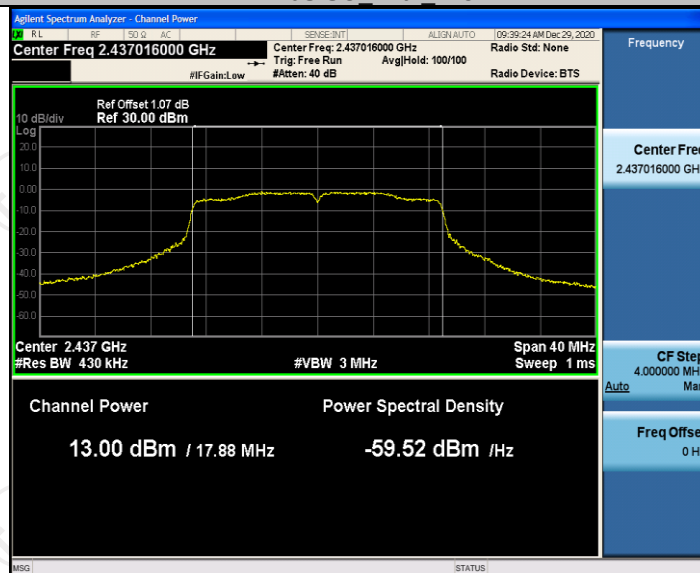
11G Ant1 2462



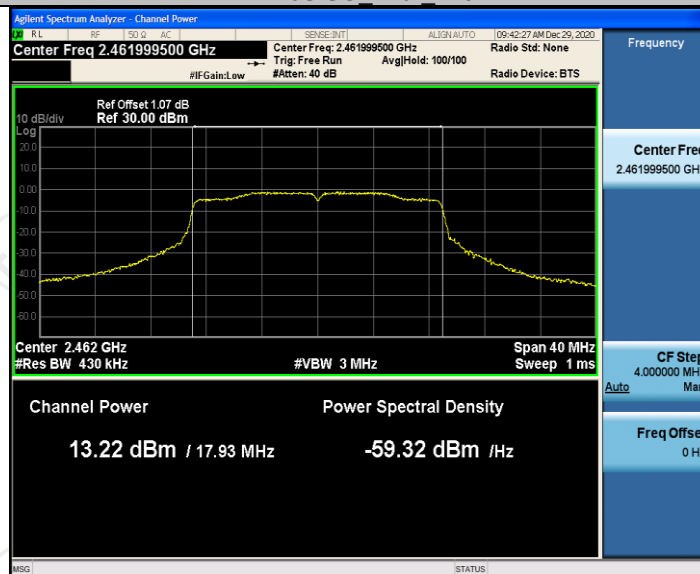
11N20SISO Ant1 2412



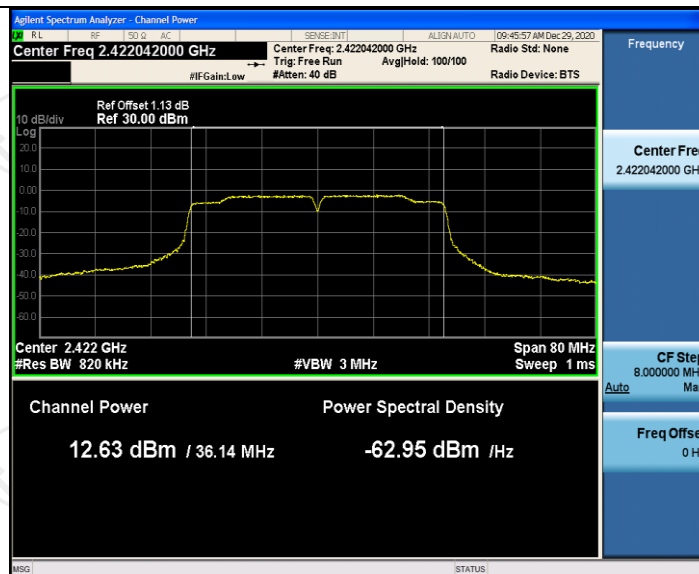
11N20SISO Ant1 2437



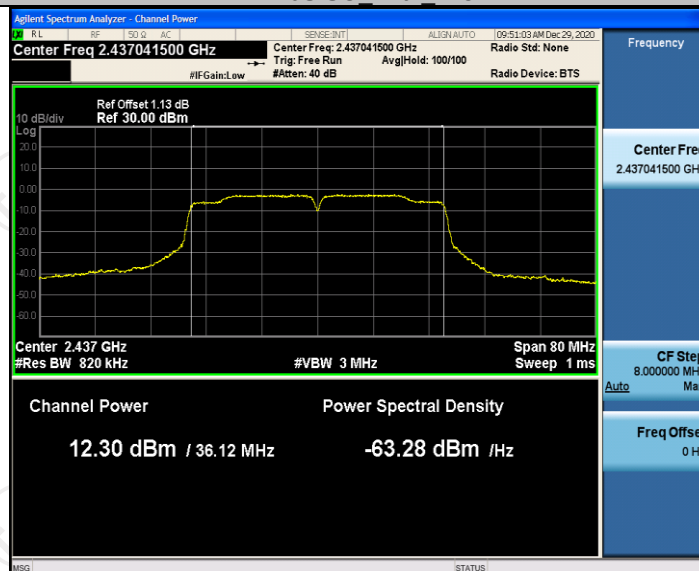
11N20SISO Ant1 2462



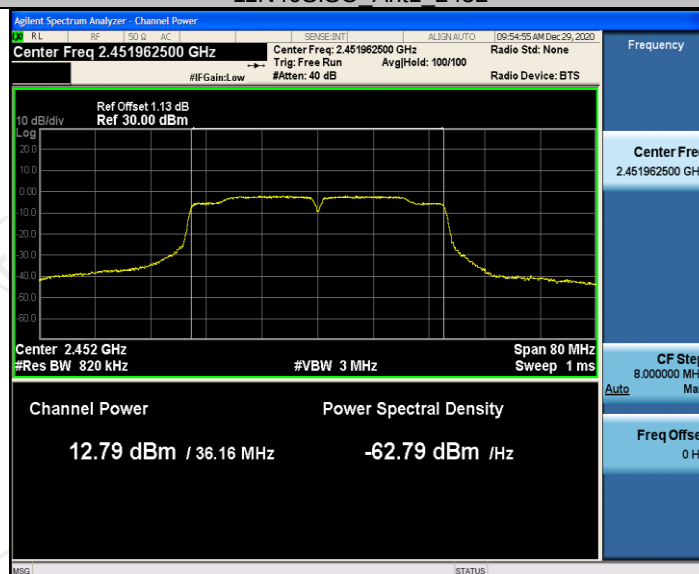
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Maximum power spectral density

Test Result

Test Mode	Channel	Result[dBm/10kHz]	Result[dBm/3kHz]	Duty cycle factor	Final result [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-10.67	-15.90	N/A	-15.900	<=8	PASS
	2437	-10.19	-15.42	N/A	-15.420	<=8	PASS
	2462	-11.05	-16.28	N/A	-16.280	<=8	PASS
11G	2412	-15.05	-20.28	N/A	-20.280	<=8	PASS
	2437	-15.35	-20.58	N/A	-20.580	<=8	PASS
	2462	-14.91	-20.14	N/A	-20.140	<=8	PASS
11N20SISO	2412	-15.40	-20.63	N/A	-20.630	<=8	PASS
	2437	-15.45	-20.68	N/A	-20.680	<=8	PASS
	2462	-15.40	-20.63	N/A	-20.630	<=8	PASS
11N40SISO	2422	-17.51	-22.74	0.134	-22.606	<=8	PASS
	2437	-16.99	-22.22	0.134	-22.086	<=8	PASS
	2452	-16.56	-21.79	0.134	-21.656	<=8	PASS

Note:

Duty cycle > 98% N/A

Duty cycle factor = $10 \log 1/\text{duty cycle}$

Final result = Result + $(10 \log 1/\text{duty cycle})$

Compensate 10dB is for Exchange rate of RBW

Exchange rate of RBW = $10 * \log_{10}(3\text{KHz} / \text{RBW at measurement}) \approx -5.23[\text{dB}]$

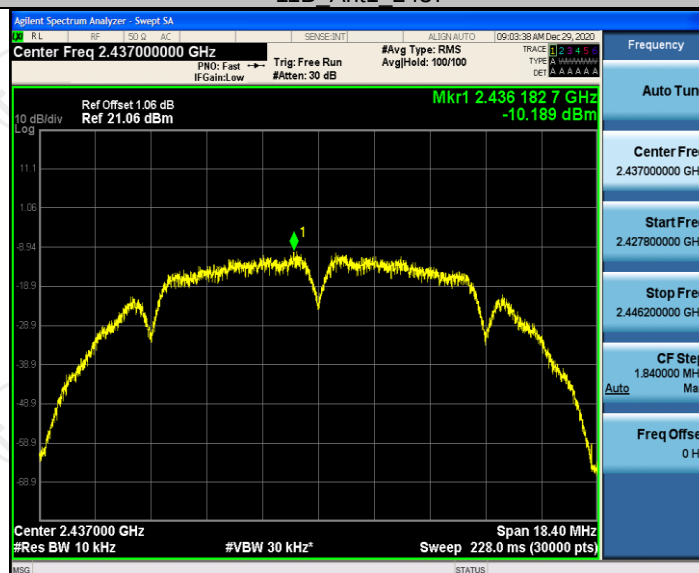
where Reference bandwidth = 10 KHz

Test Graphs

11B Ant1_2412



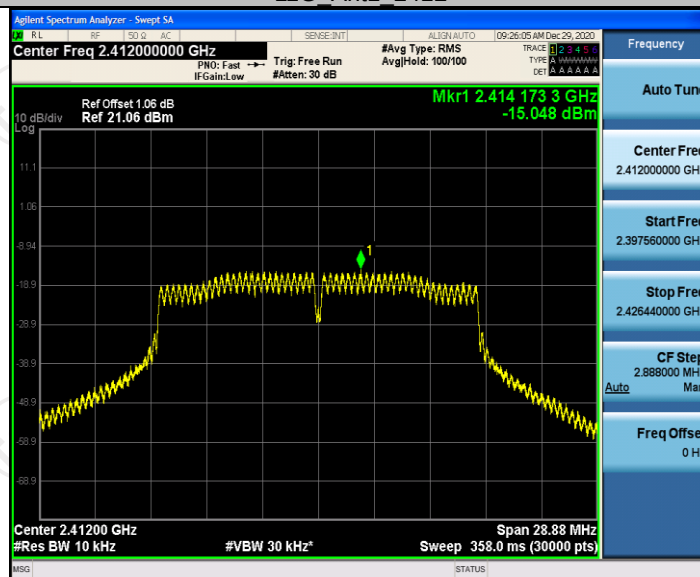
11B Ant1_2437



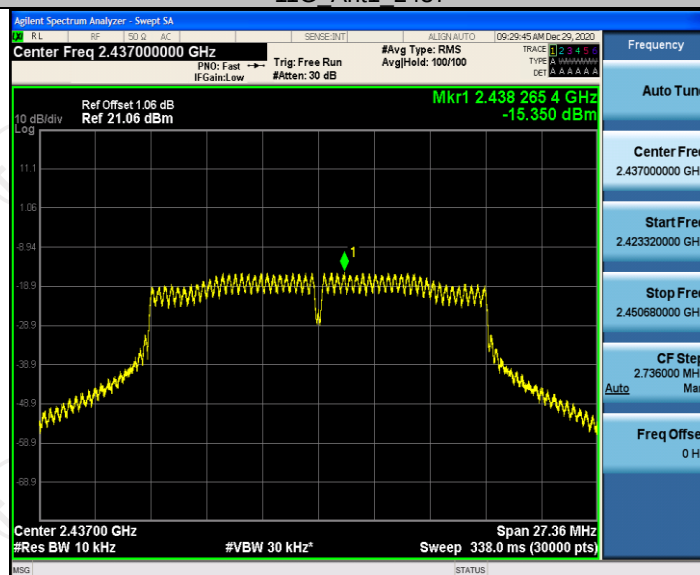
11B Ant1_2462



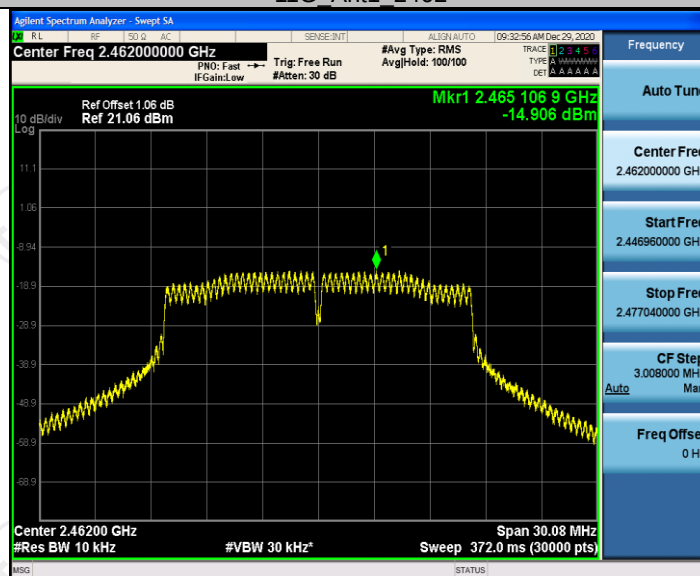
11G Ant1 2412



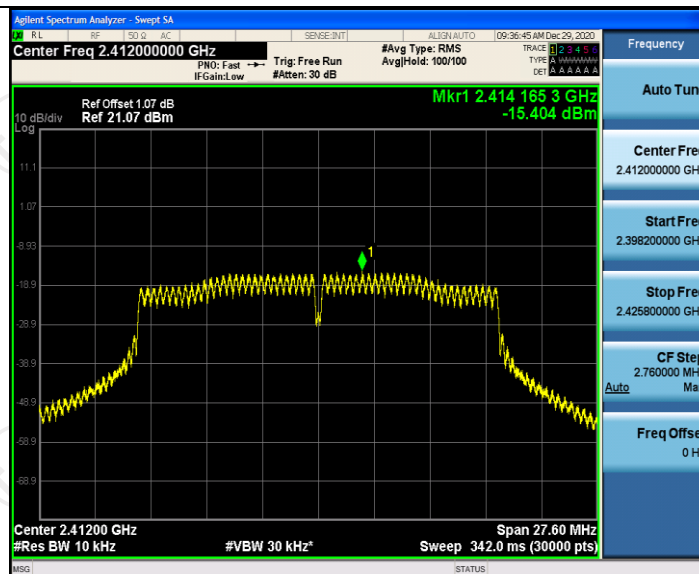
11G Ant1 2437



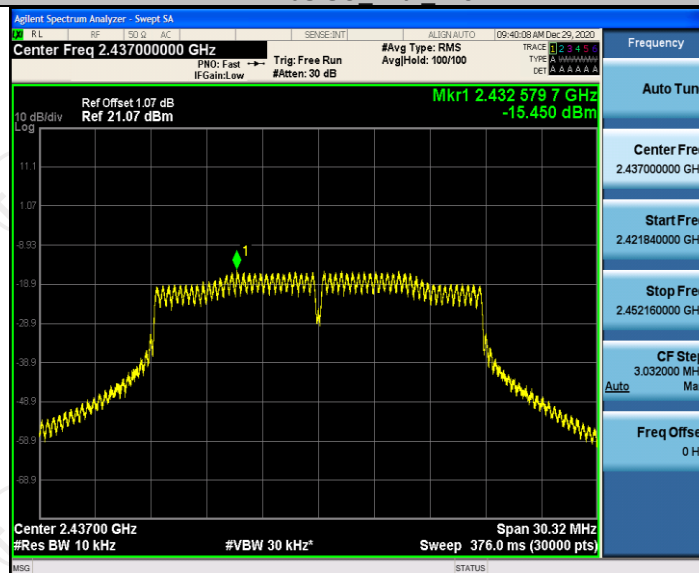
11G Ant1 2462



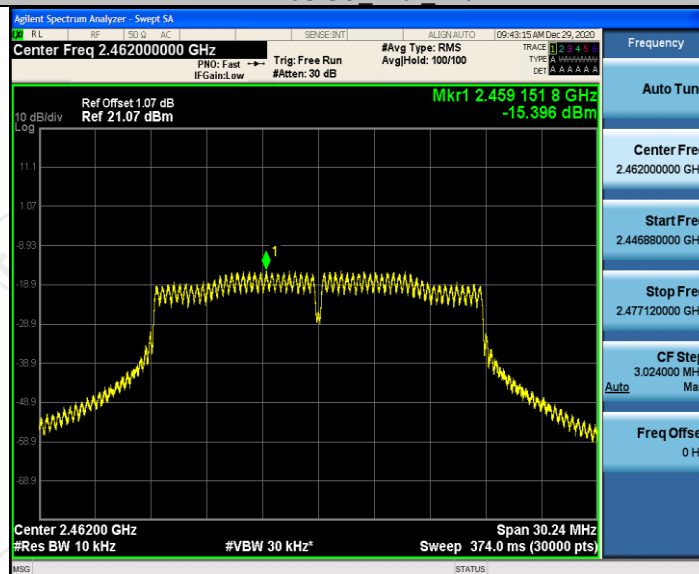
11N20SISO Ant1 2412



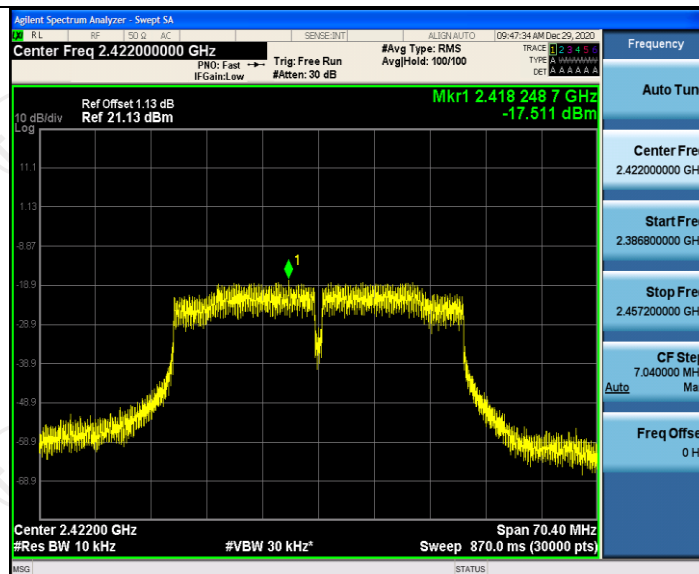
11N20SISO Ant1 2437



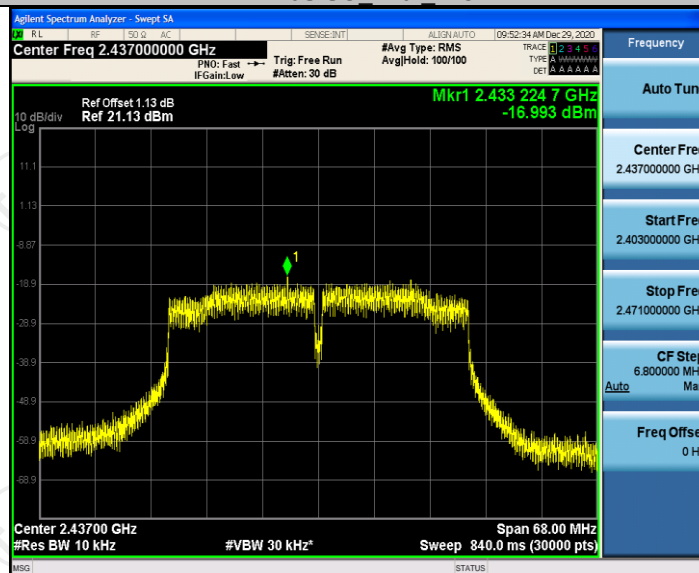
11N20SISO Ant1 2462



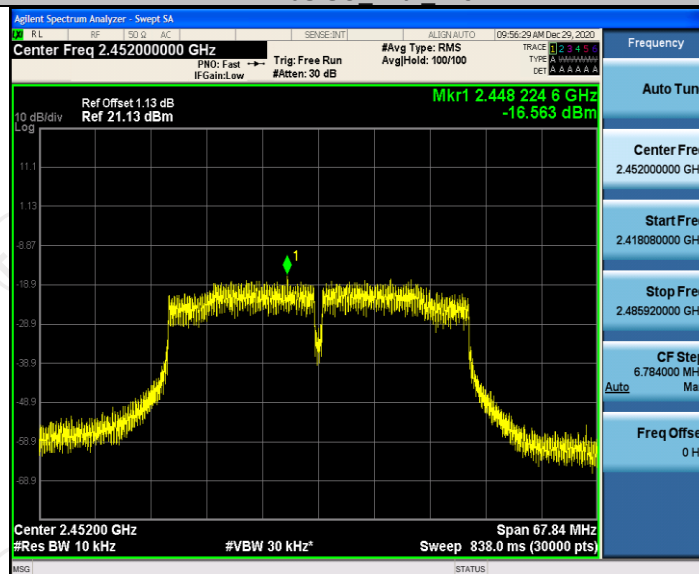
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

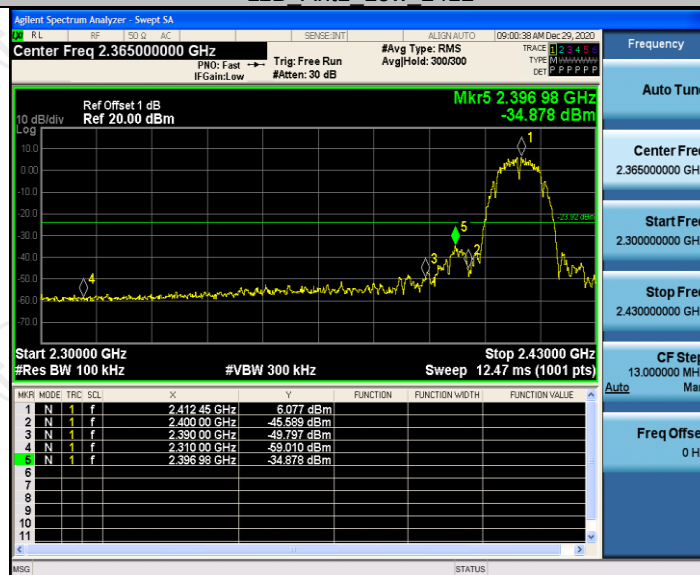


Band edge measurements**Test Result**

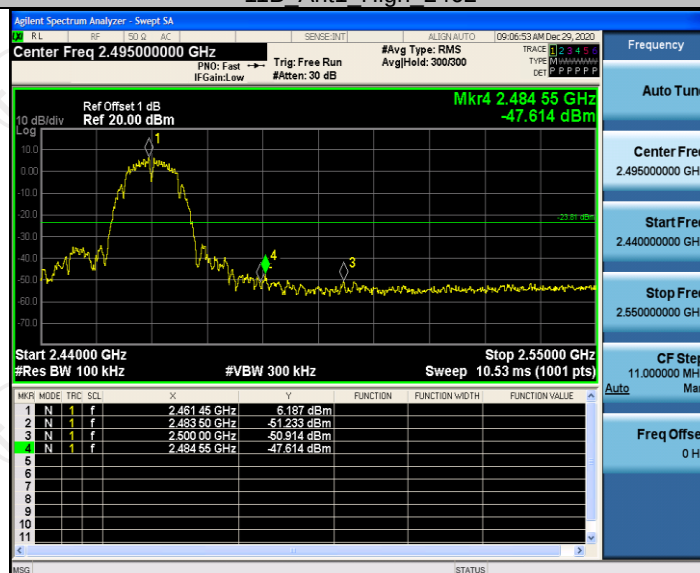
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	6.08	-34.88	<=-23.92	PASS
		High	2462	6.19	-47.61	<=-23.81	PASS
11G	Ant1	Low	2412	2.80	-27.74	<=-27.20	PASS
		High	2462	2.48	-43.94	<=-27.52	PASS
11N20SISO	Ant1	Low	2412	3.16	-27.91	<=-26.84	PASS
		High	2462	3.24	-41.68	<=-26.76	PASS
11N40SISO	Ant1	Low	2422	-0.66	-31.16	<=-30.66	PASS
		High	2452	-0.37	-35.40	<=-30.37	PASS

Test Graphs

11B Ant1 Low 2412



11B Ant1 High 2462



11G Ant1 Low 2412

