

Antenna 1 DTS Bandwidth

Test Result

Test Mode	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	2412	10.080	2406.960	2417.040	0.5	PASS
	2437	10.120	2431.920	2442.040	0.5	PASS
	2462	10.080	2456.960	2467.040	0.5	PASS
11G	2412	16.480	2403.720	2420.200	0.5	PASS
	2437	16.520	2428.760	2445.280	0.5	PASS
	2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	2412	17.400	2403.160	2420.560	0.5	PASS
	2437	17.320	2428.440	2445.760	0.5	PASS
	2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	2422	36.160	2403.760	2439.920	0.5	PASS
	2437	35.920	2419.000	2454.920	0.5	PASS
	2452	36.240	2433.760	2470.000	0.5	PASS

Test Graphs

11B 2412



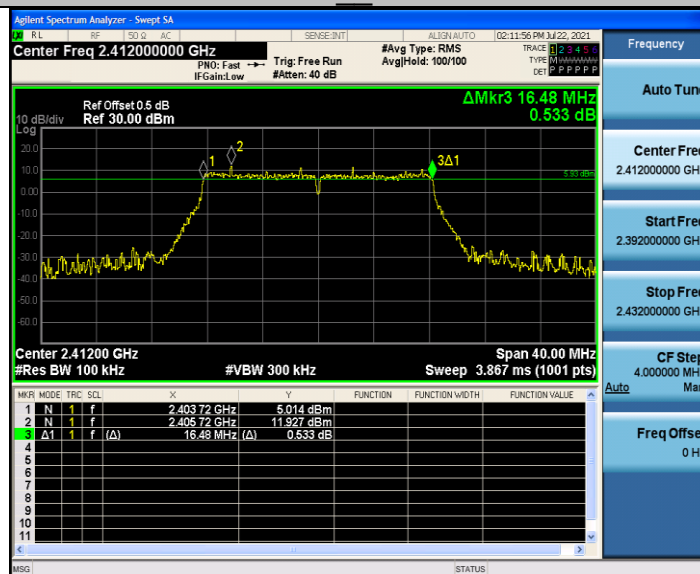
11B 2437



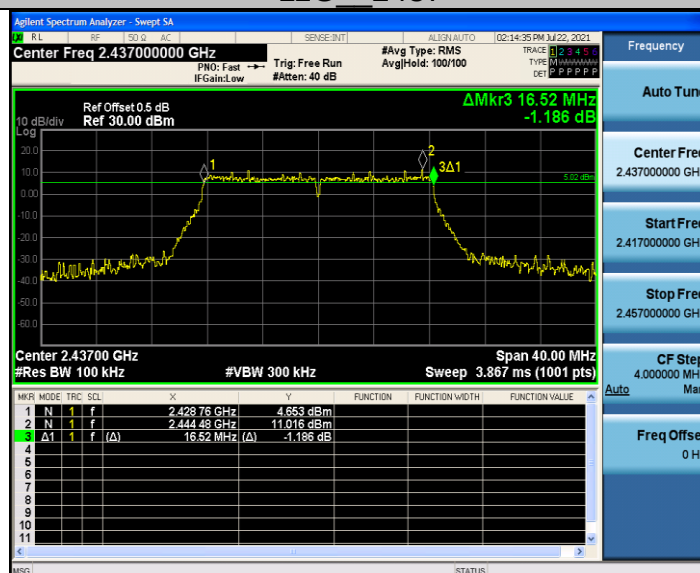
11B 2462



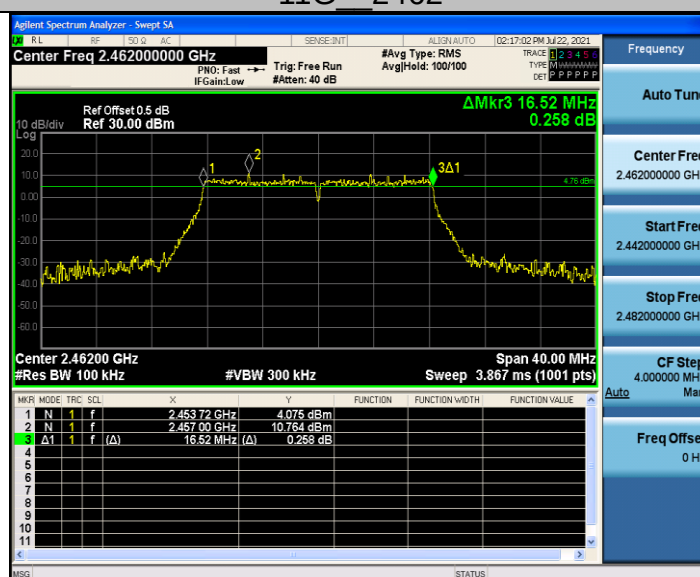
11G 2412



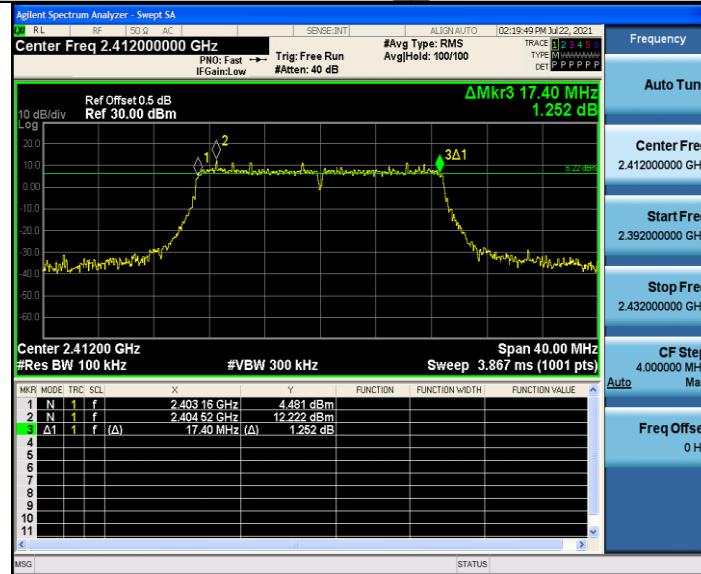
11G 2437



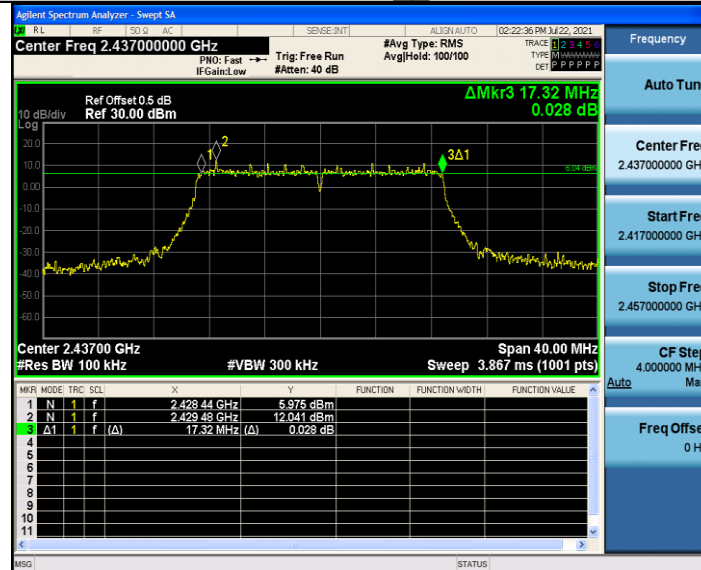
11G 2462



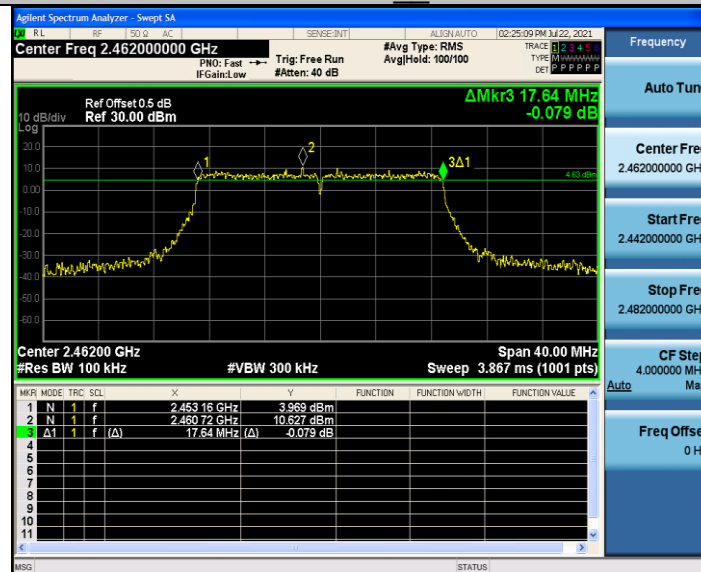
11N20SISO 2412



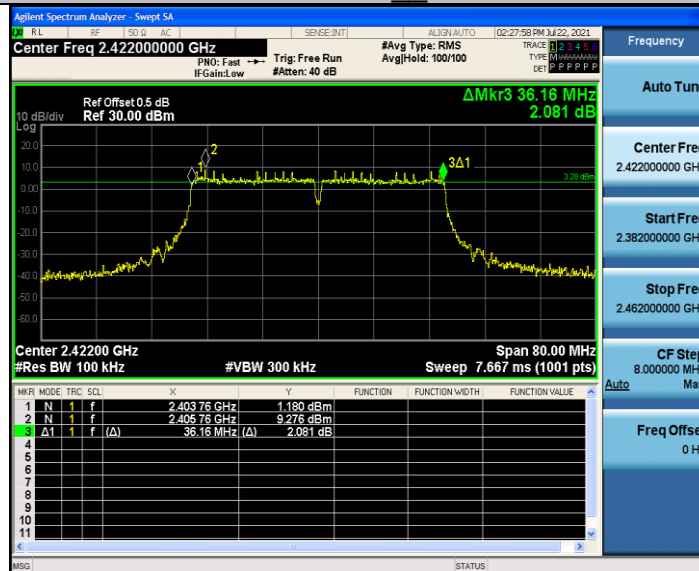
11N20SISO 2437



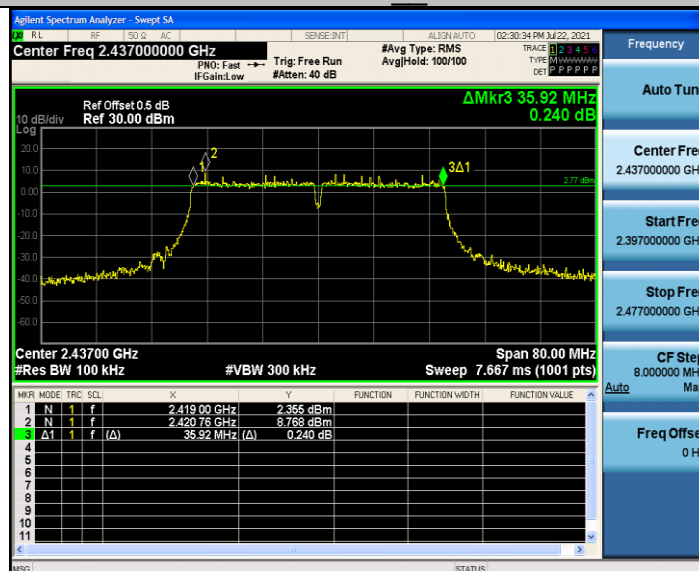
11N20SISO 2462



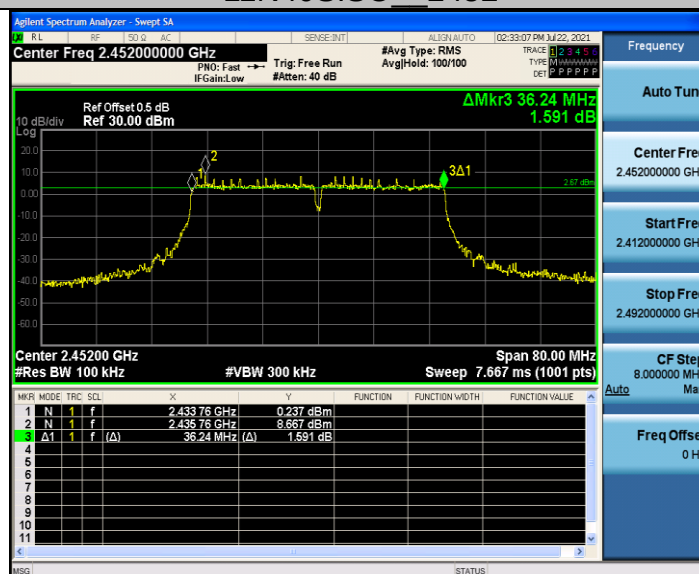
11N40SISO 2422



11N40SISO 2437



11N40SISO 2452



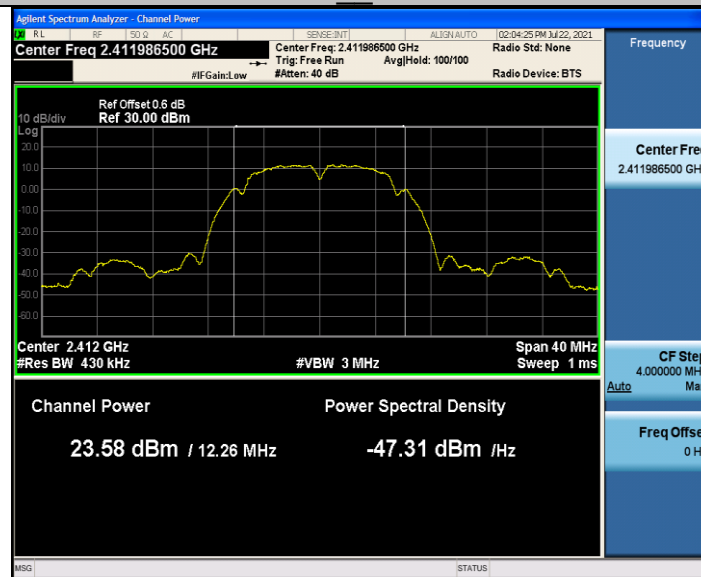
Maximum conducted output power

Test Result

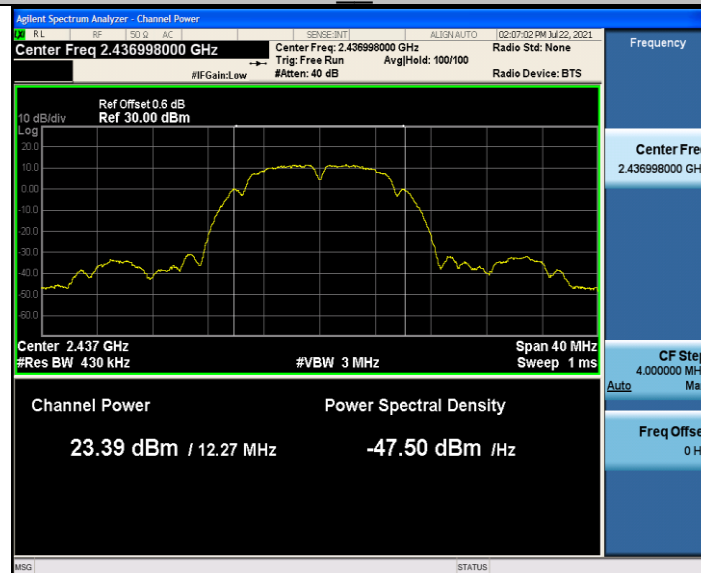
Test Mode	Channel	Conducted Power [dBm]	Correction Factor [dB]	Total Power [dBm]	Limit [dBm]	Verdict
11B	2412	23.58	0.10	23.68	<=30	PASS
	2437	23.39	0.10	23.49	<=30	PASS
	2462	23.22	0.10	23.32	<=30	PASS
11G	2412	23.38	0.58	23.96	<=30	PASS
	2437	23.15	0.58	23.73	<=30	PASS
	2462	22.85	0.58	23.43	<=30	PASS
11N20SISO	2412	22.95	0.62	23.57	<=30	PASS
	2437	23.06	0.61	23.67	<=30	PASS
	2462	22.32	0.61	22.93	<=30	PASS
11N40SISO	2422	23.01	1.18	24.19	<=30	PASS
	2437	22.77	1.18	23.95	<=30	PASS
	2452	22.66	1.18	23.84	<=30	PASS

Test Graphs

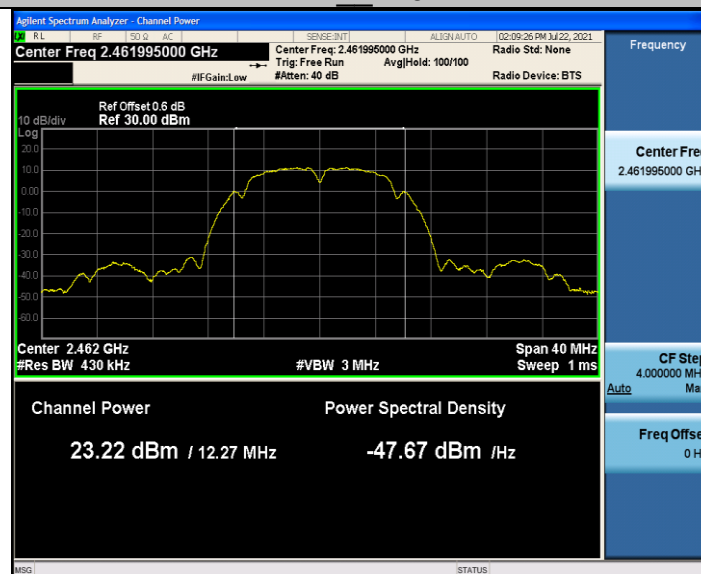
11B 2412



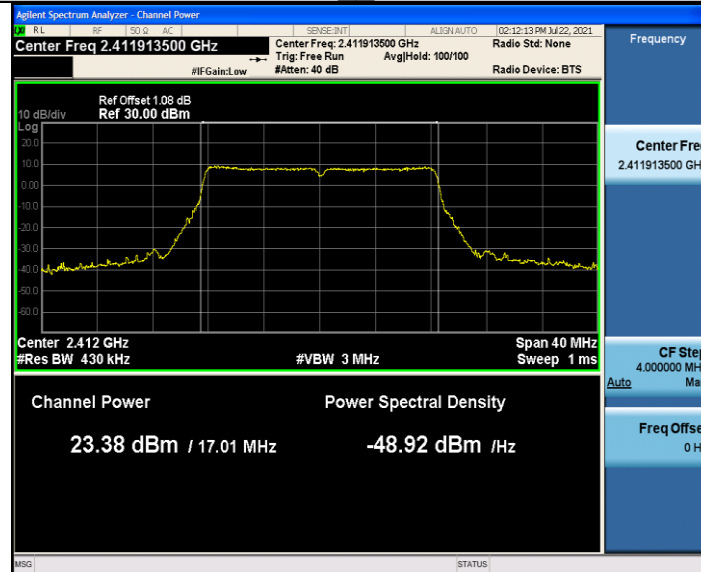
11B 2437



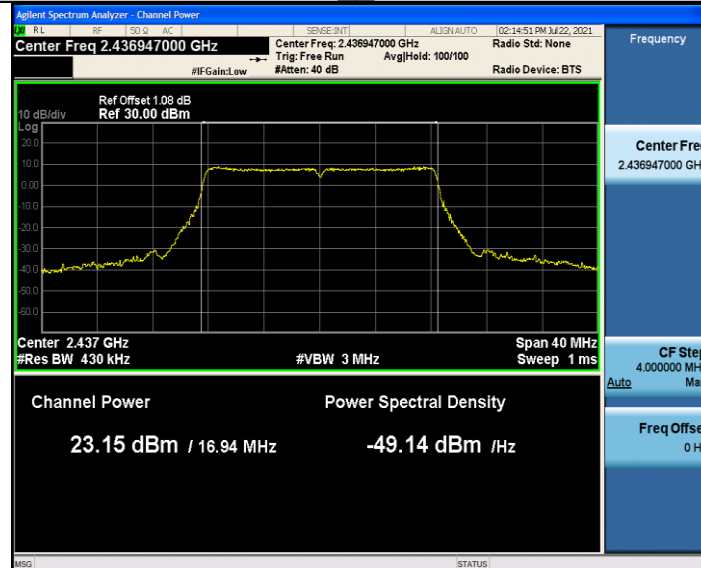
11B 2462



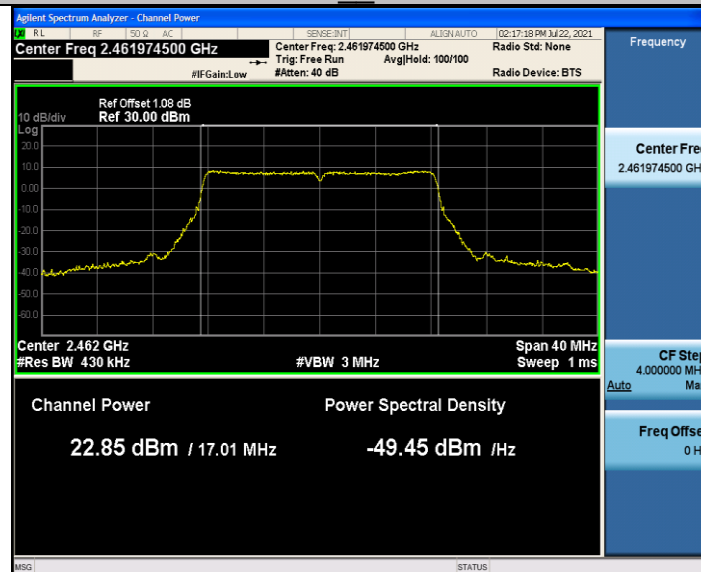
11G 2412



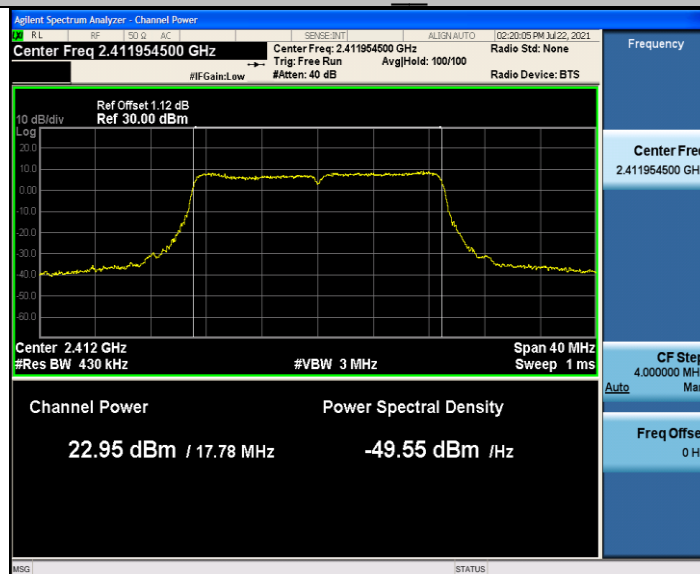
11G 2437



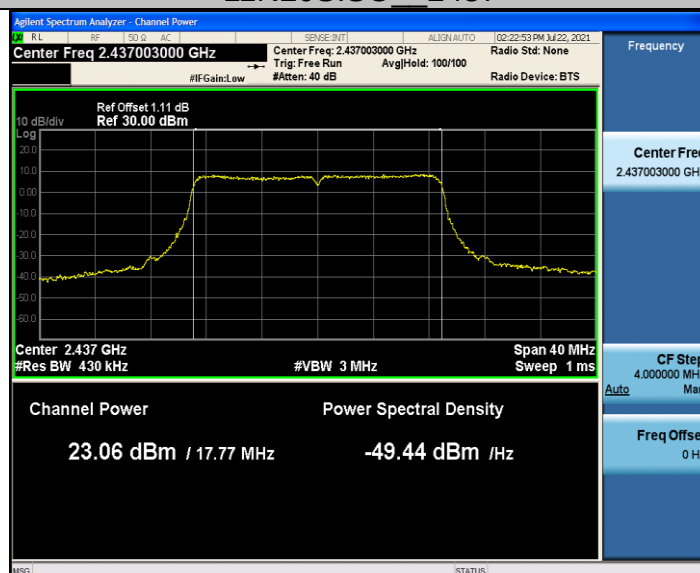
11G 2462



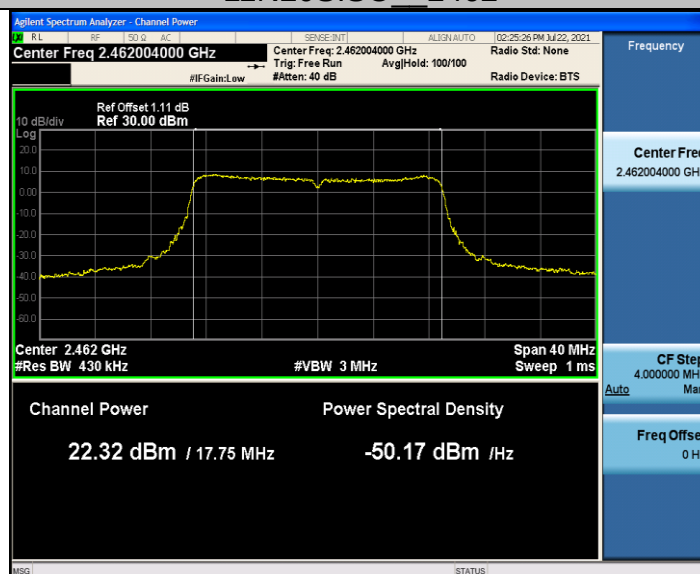
11N20SISO 2412



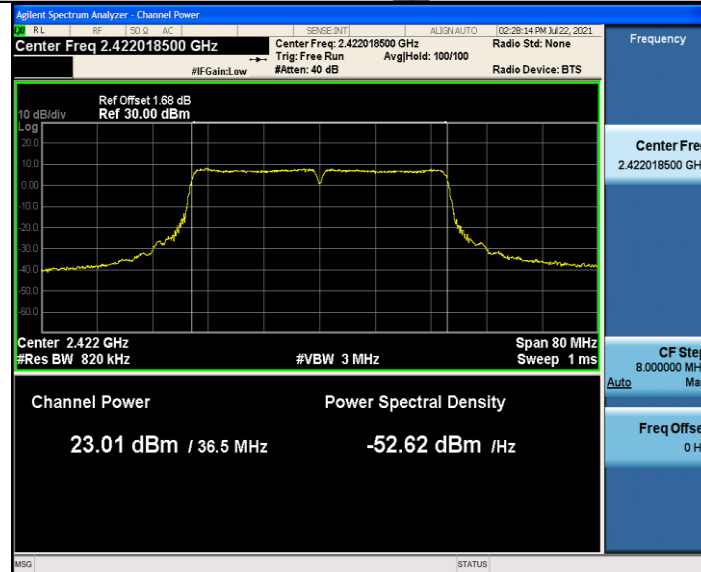
11N20SISO 2437



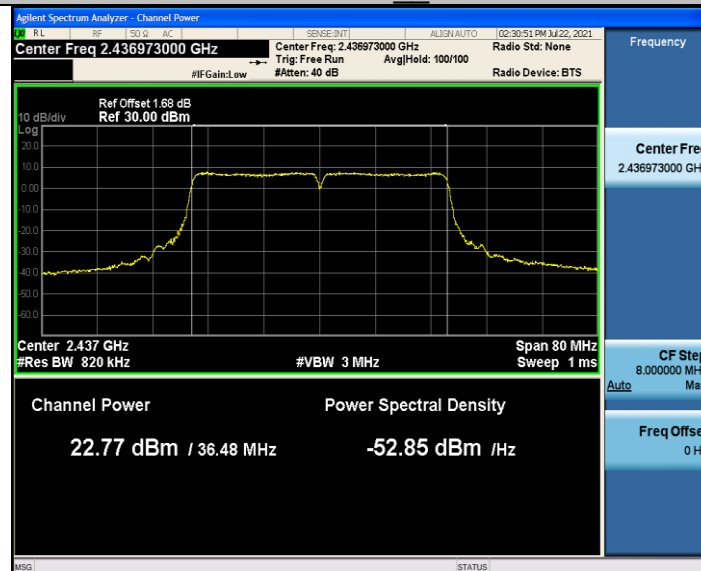
11N20SISO 2462



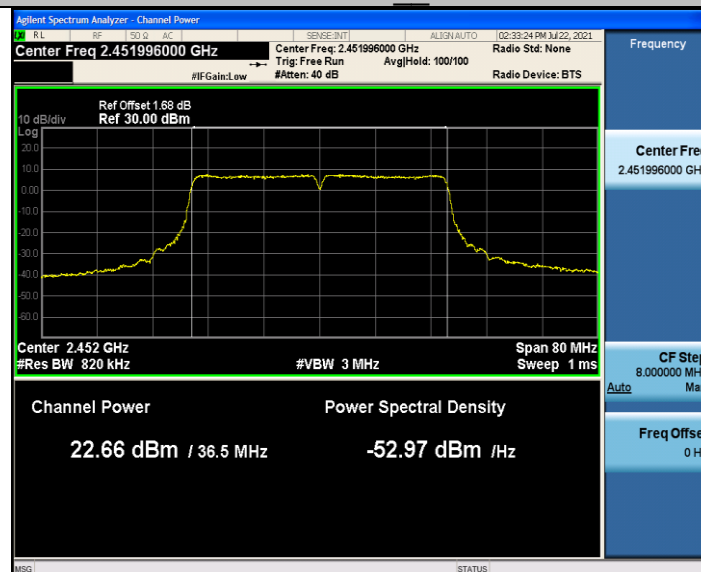
11N40SISO 2422



11N40SISO 2437



11N40SISO 2452



Maximum power spectral density

Test Result

Test Mode	Channel	Result [dBm/10kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	2412	1.48	-3.75	<=8	PASS
	2437	0.56	-4.67	<=8	PASS
	2462	0.48	-4.75	<=8	PASS
11G	2412	-0.54	-5.77	<=8	PASS
	2437	-0.93	-6.16	<=8	PASS
	2462	-1.03	-6.26	<=8	PASS
11N20SISO	2412	-0.41	-5.64	<=8	PASS
	2437	-0.96	-6.19	<=8	PASS
	2462	-1.77	-7.00	<=8	PASS
11N40SISO	2422	-4.10	-9.33	<=8	PASS
	2437	-4.45	-9.68	<=8	PASS
	2452	-4.82	-10.05	<=8	PASS

Note: Compensate 10dB is for Exchange rate of RBW

Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = -5.23[\text{dB}]$

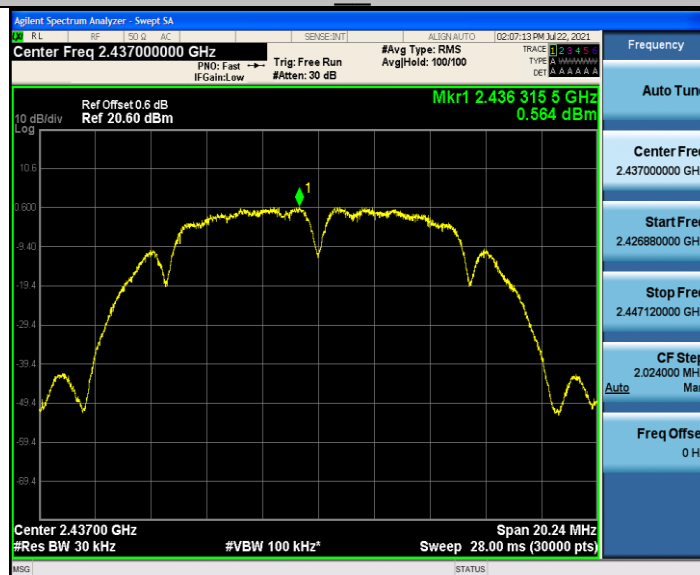
where Reference bandwidth = 3KHz

Test Graphs

11B 2412



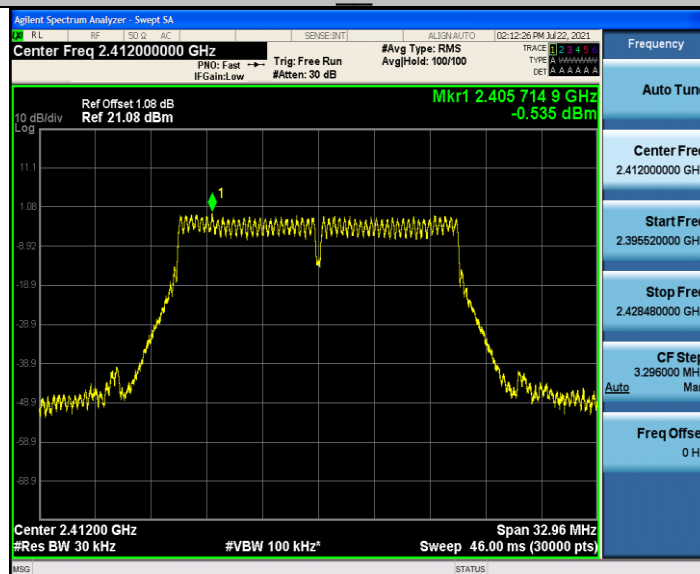
11B 2437



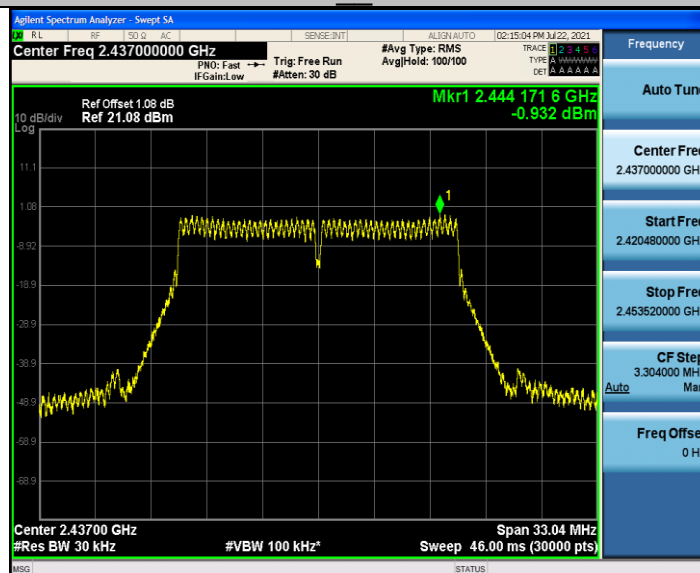
11B 2462



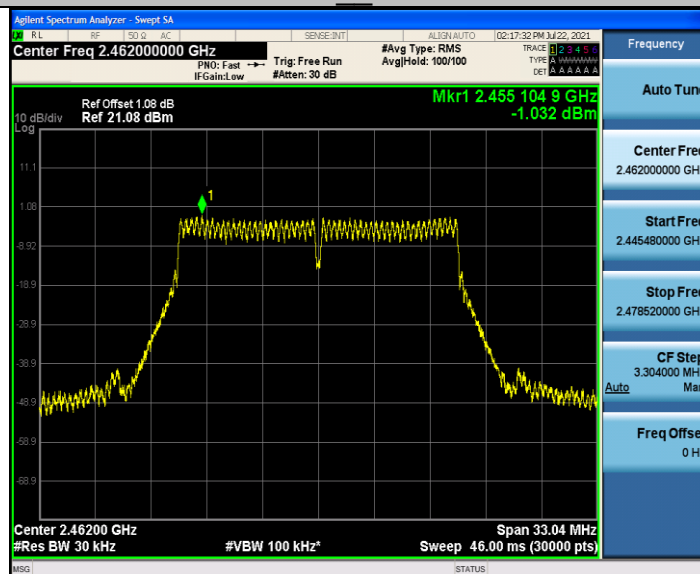
11G 2412



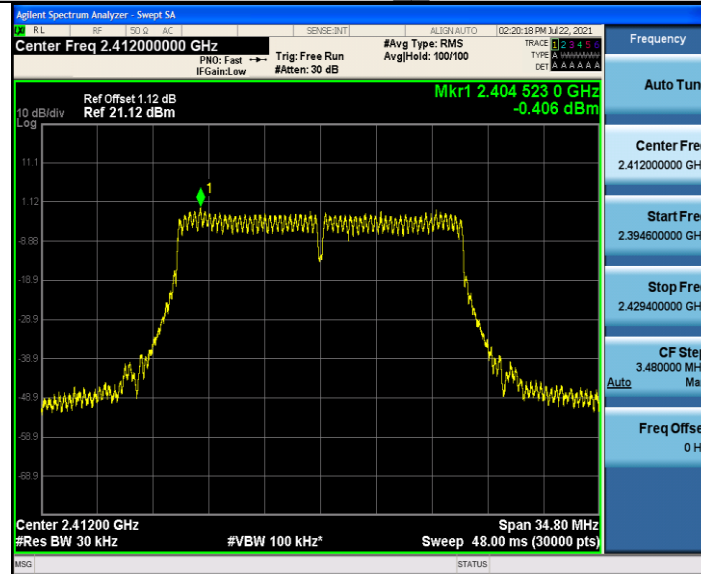
11G 2437



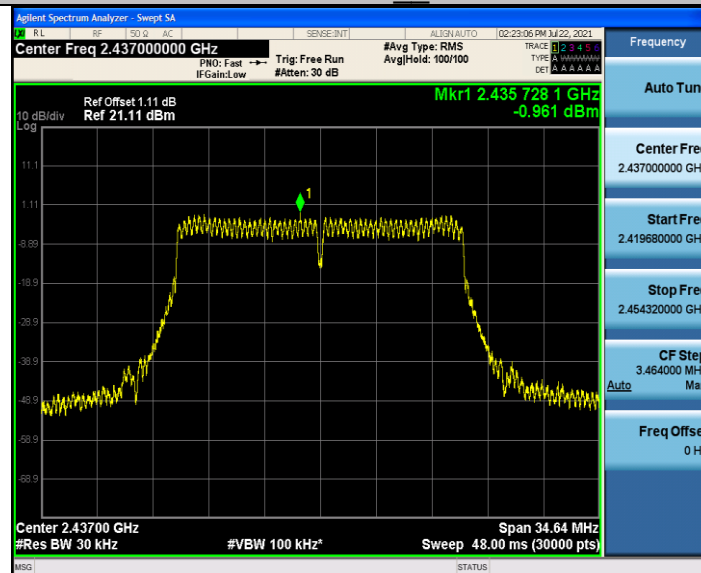
11G 2462



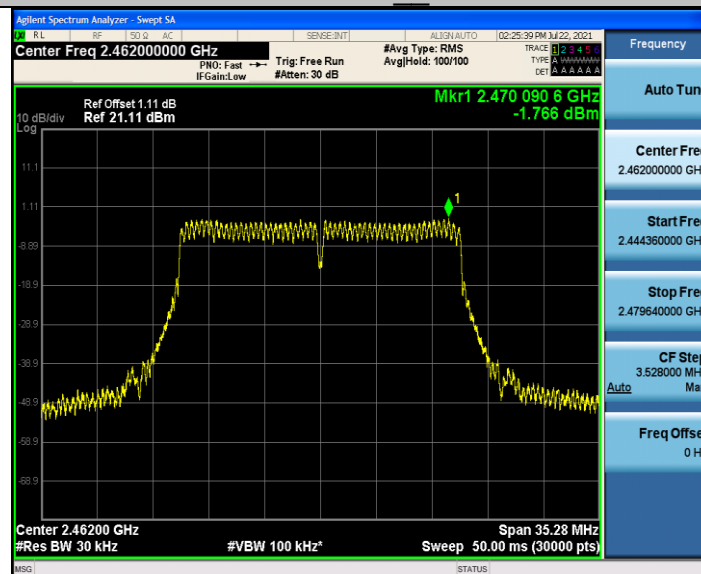
11N20SISO 2412



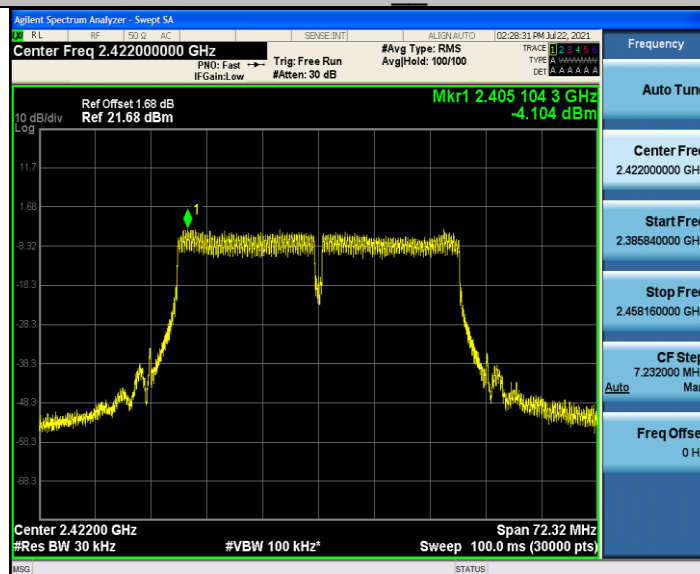
11N20SISO 2437



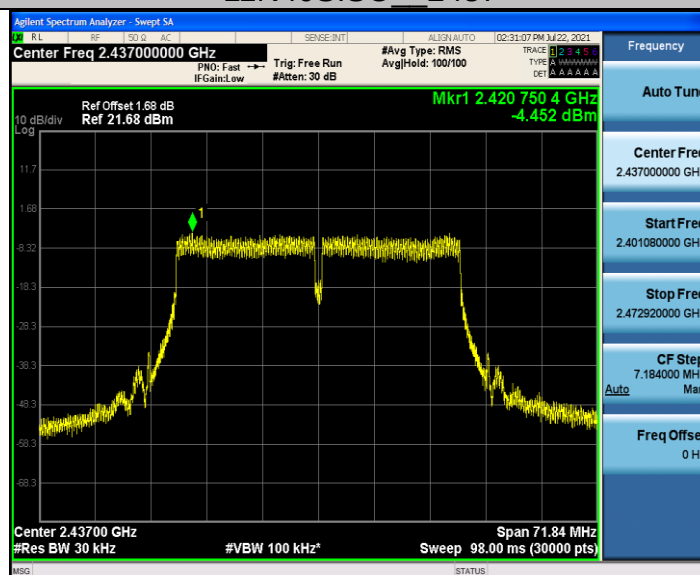
11N20SISO 2462



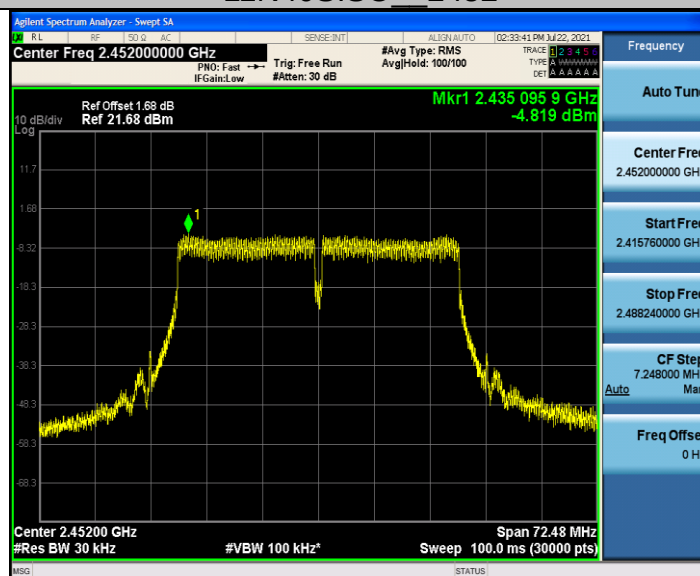
11N40SISO 2422



11N40SISO 2437



11N40SISO 2452



Band edge measurements

Test Result

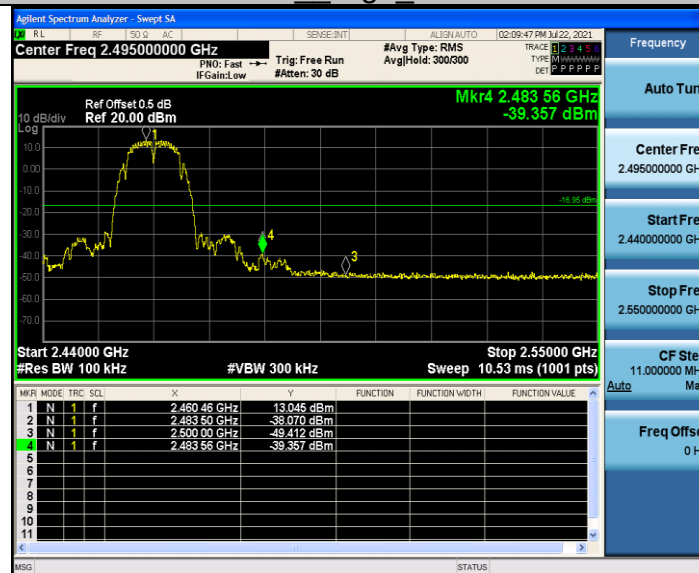
Test Mode	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	13.59	-30.72	<=-16.41	PASS
	High	2462	13.05	-39.36	<=-16.95	PASS
11G	Low	2412	12.15	-26.04	<=-17.86	PASS
	High	2462	11.87	-32.33	<=-18.13	PASS
11N20SISO	Low	2412	12.70	-27.93	<=-17.3	PASS
	High	2462	11.58	-35.95	<=-18.42	PASS
11N40SISO	Low	2422	9.30	-26.65	<=-20.7	PASS
	High	2452	7.96	-34.02	<=-22.05	PASS

Test Graphs

11B Low 2412



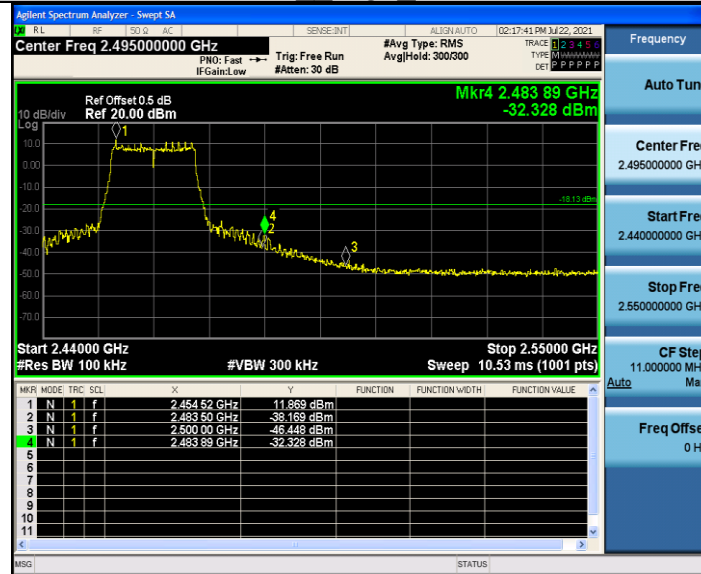
11B High 2462



11G Low 2412



11G High 2462



11N20SISO Low 2412



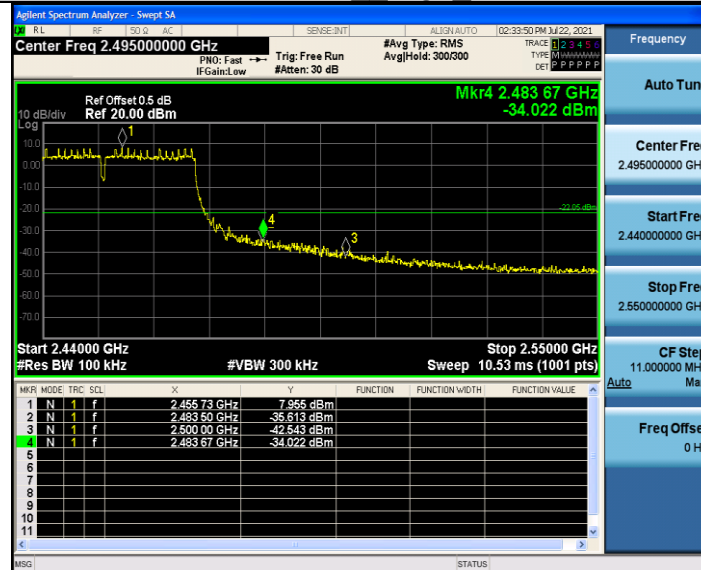
11N20SISO High 2462



11N40SISO Low 2422



11N40SISO High 2452



Conducted Spurious Emission

Test Result

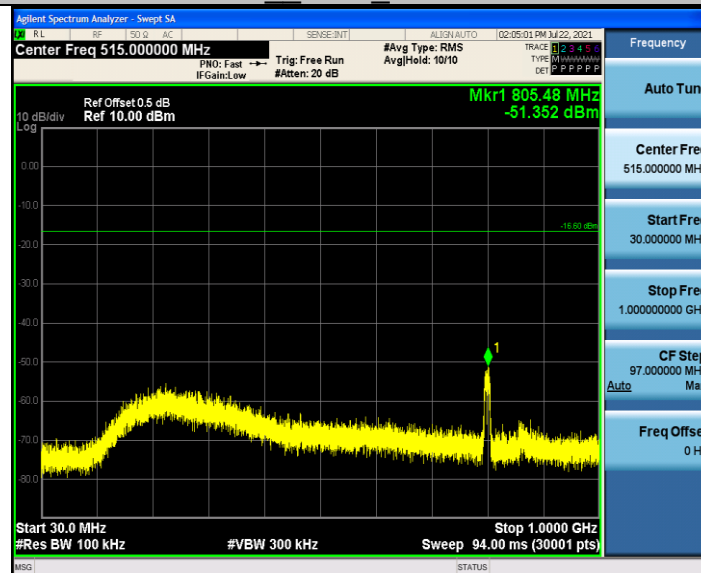
Test Mode	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	13.40	13.40	---	PASS
		30~1000	30~1000	-51.352	<=-16.601	PASS
		1000~26500	1000~26500	-35.7	<=-16.601	PASS
	2437	Reference	13.17	13.17	---	PASS
		30~1000	30~1000	-53.277	<=-16.827	PASS
		1000~26500	1000~26500	-38.146	<=-16.827	PASS
	2462	Reference	12.96	12.96	---	PASS
		30~1000	30~1000	-50.113	<=-17.037	PASS
		1000~26500	1000~26500	-36.481	<=-17.037	PASS
11G	2412	Reference	11.86	11.86	---	PASS
		30~1000	30~1000	-49.097	<=-18.142	PASS
		1000~26500	1000~26500	-35.746	<=-18.142	PASS
	2437	Reference	10.82	10.82	---	PASS
		30~1000	30~1000	-53.575	<=-19.184	PASS
		1000~26500	1000~26500	-38.206	<=-19.184	PASS
	2462	Reference	11.10	11.10	---	PASS
		30~1000	30~1000	-52.619	<=-18.904	PASS
		1000~26500	1000~26500	-36.348	<=-18.904	PASS
11N20SISO	2412	Reference	12.59	12.59	---	PASS
		30~1000	30~1000	-51.967	<=-17.406	PASS
		1000~26500	1000~26500	-35.823	<=-17.406	PASS
	2437	Reference	11.62	11.62	---	PASS
		30~1000	30~1000	-52.914	<=-18.384	PASS
		1000~26500	1000~26500	-37.753	<=-18.384	PASS
	2462	Reference	11.49	11.49	---	PASS
		30~1000	30~1000	-50.291	<=-18.515	PASS
		1000~26500	1000~26500	-36.362	<=-18.515	PASS
11N40SISO	2422	Reference	9.16	9.16	---	PASS
		30~1000	30~1000	-52.956	<=-20.842	PASS
		1000~26500	1000~26500	-37.045	<=-20.842	PASS
	2437	Reference	8.13	8.13	---	PASS
		30~1000	30~1000	-55.557	<=-21.872	PASS
		1000~26500	1000~26500	-38.167	<=-21.872	PASS
	2452	Reference	8.16	8.16	---	PASS
		30~1000	30~1000	-54.63	<=-21.843	PASS
		1000~26500	1000~26500	-37.048	<=-21.843	PASS

Test Graphs

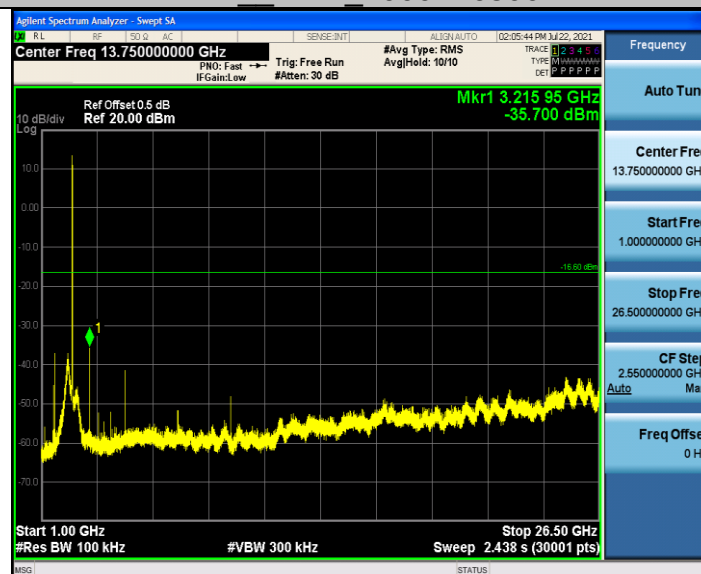
11B 2412 0~Reference



11B 2412 30~1000



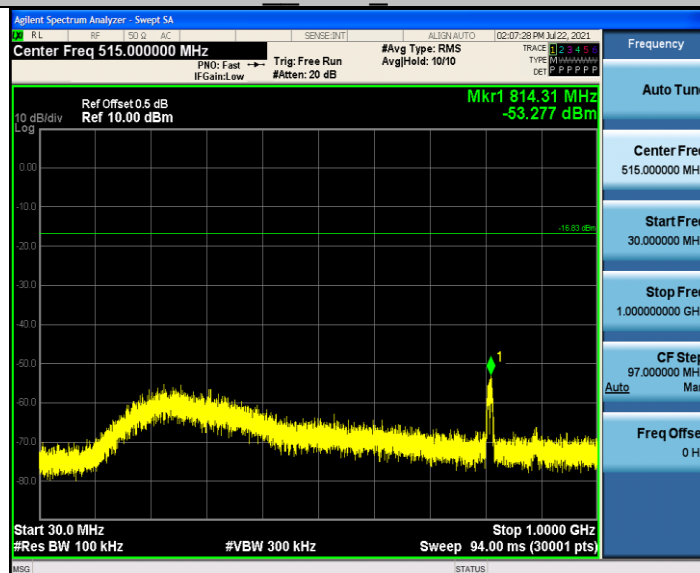
11B 2412 1000~26500



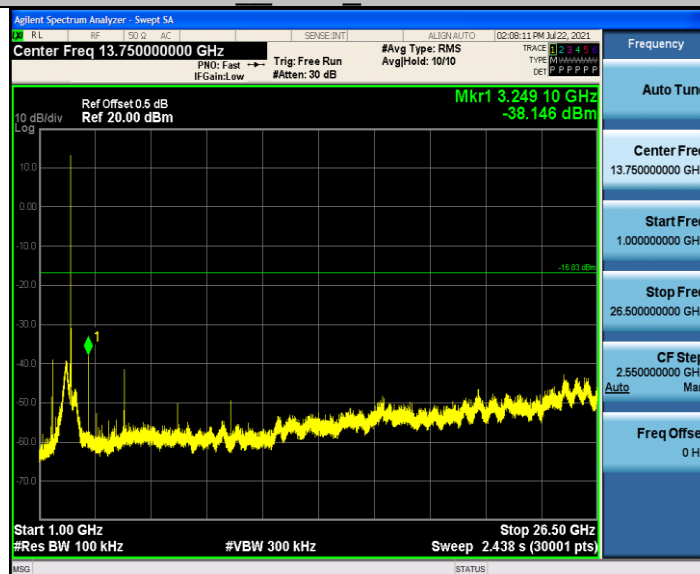
11B 2437 0~Reference



11B 2437 30~1000



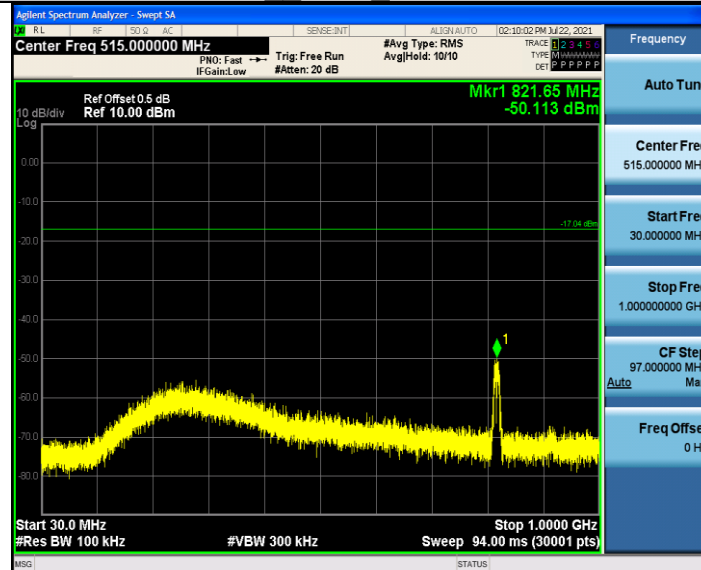
11B 2437 1000~26500



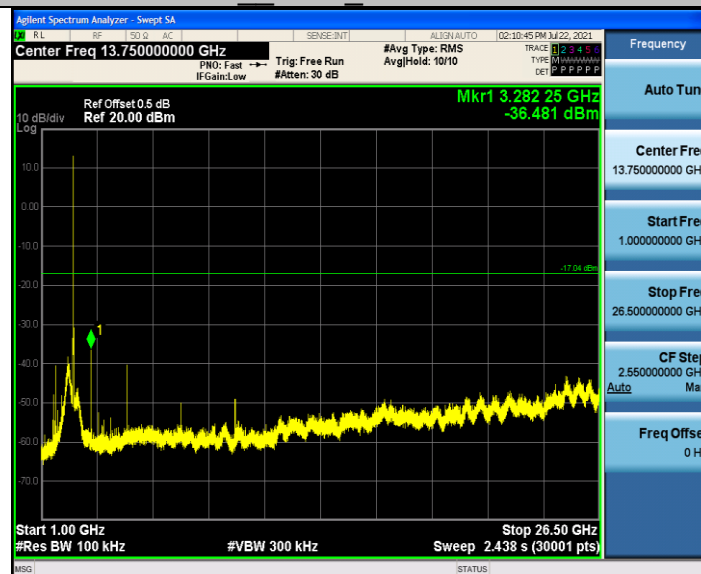
11B 2462 0~Reference



11B 2462 30~1000



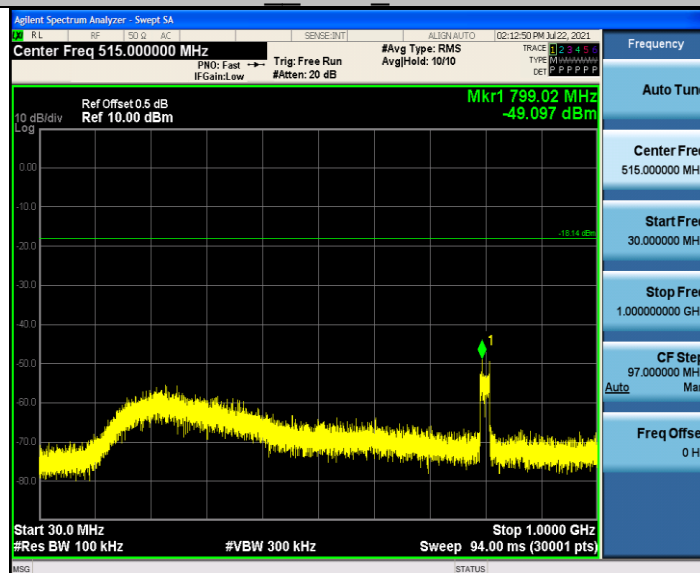
11B 2462 1000~26500



11G 2412 0~Reference



11G 2412 30~1000



11G 2412 1000~26500

