

Appendix for FCC 2.4G WIFI

Test Report No.:CTL2205179032-WF01

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.600	2408.000	2415.600	0.5	PASS
		2437	7.640	2432.960	2440.600	0.5	PASS
		2462	8.160	2457.920	2466.080	0.5	PASS
11G	Ant1	2412	14.240	2405.360	2419.600	0.5	PASS
		2437	15.160	2429.440	2444.600	0.5	PASS
		2462	14.120	2454.840	2468.960	0.5	PASS
11N20SISO	Ant1	2412	15.640	2404.800	2420.440	0.5	PASS
		2437	15.160	2429.440	2444.600	0.5	PASS
		2462	13.720	2455.320	2469.040	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	35.280	2419.400	2454.680	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs



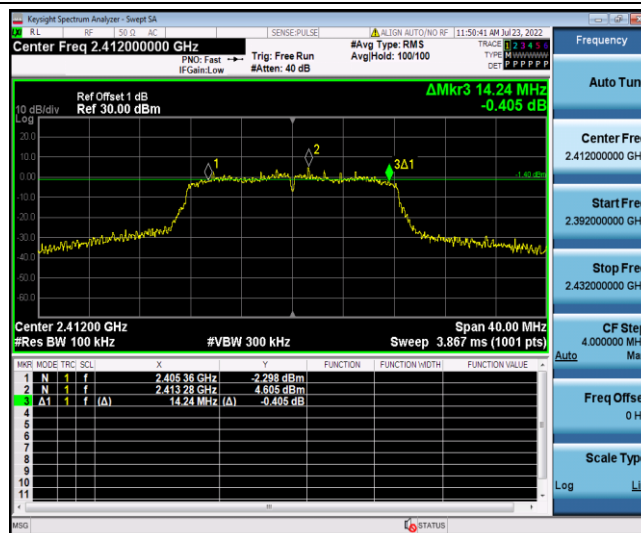
11B_Ant1_2412



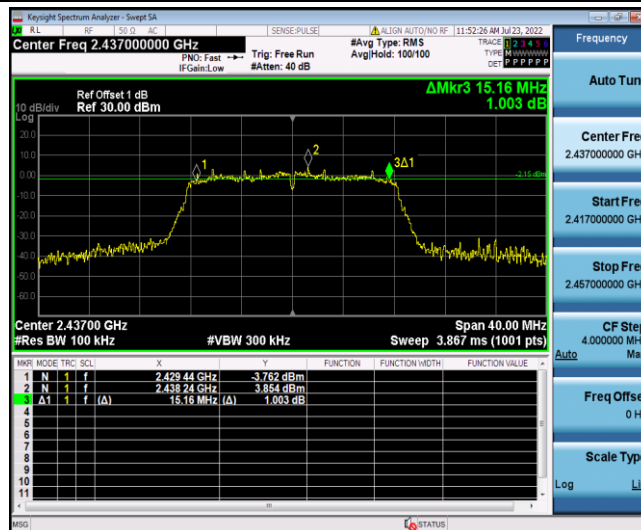
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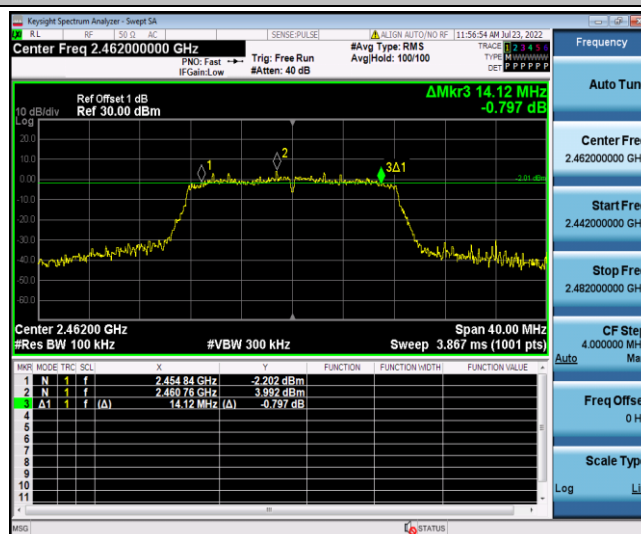
11B_Ant1_2462



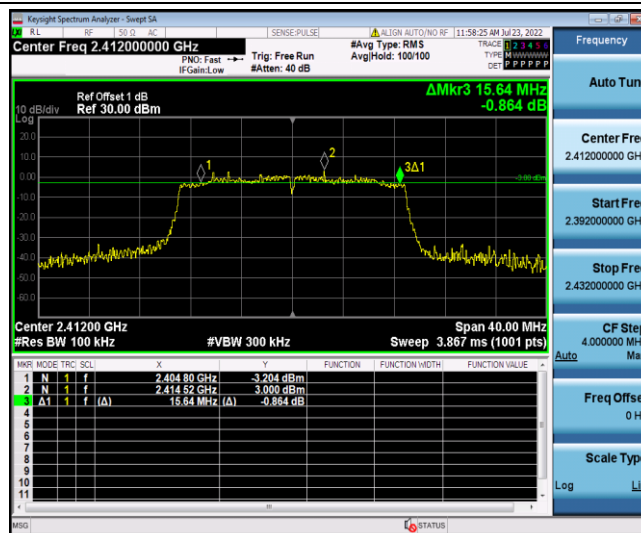
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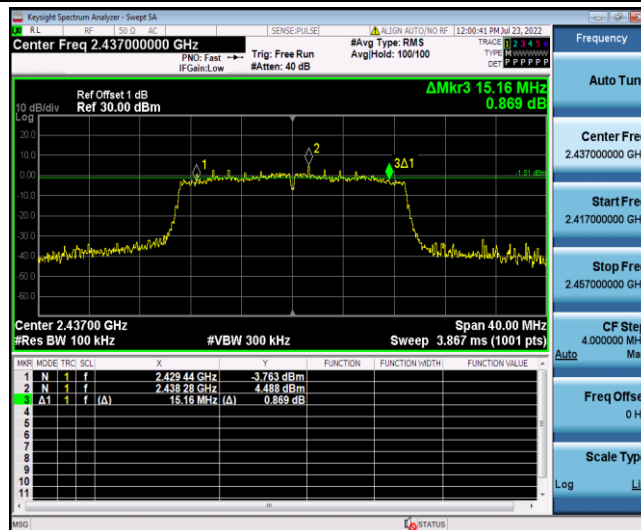
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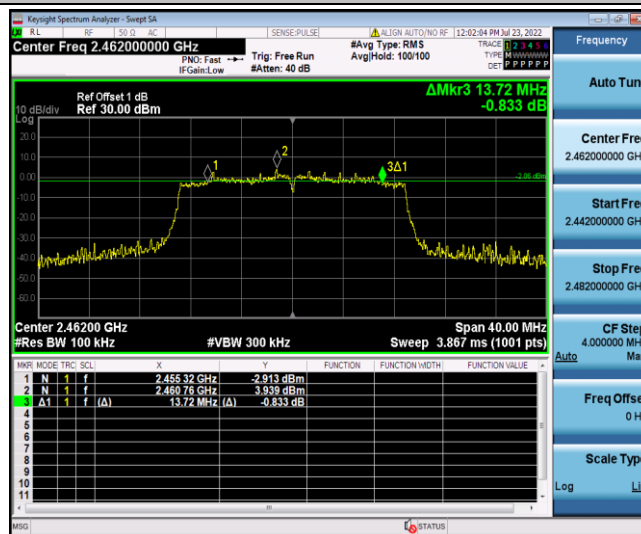
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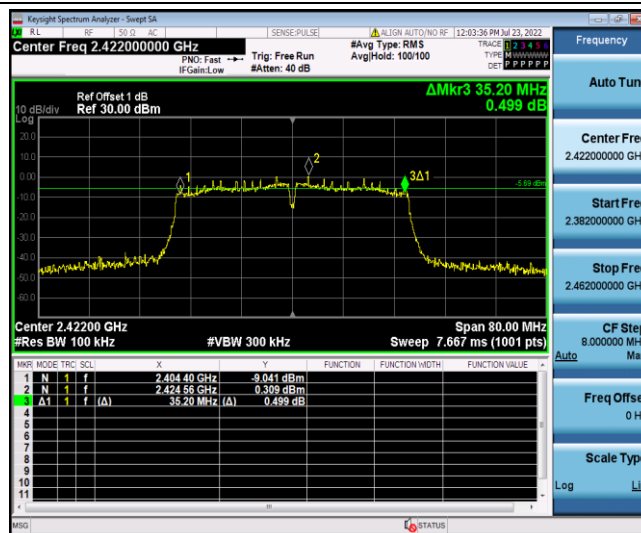
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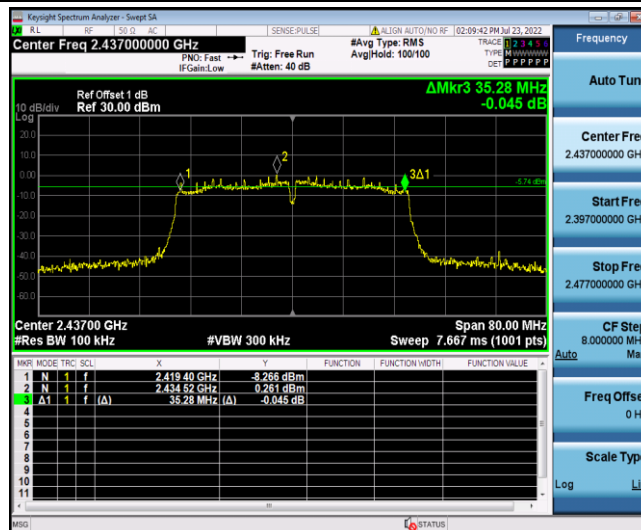
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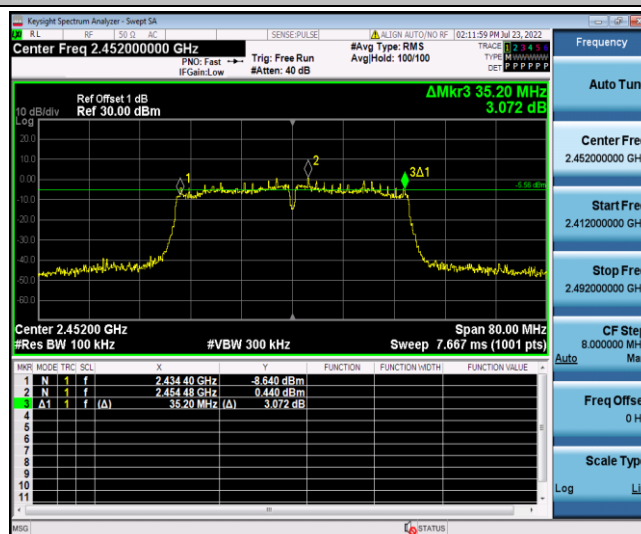
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



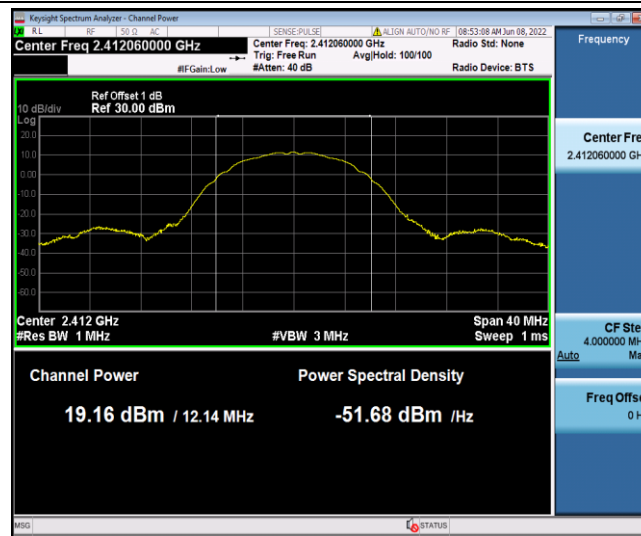
11N40SISO_Ant1_2452

Appendix B: Maximum conducted output power

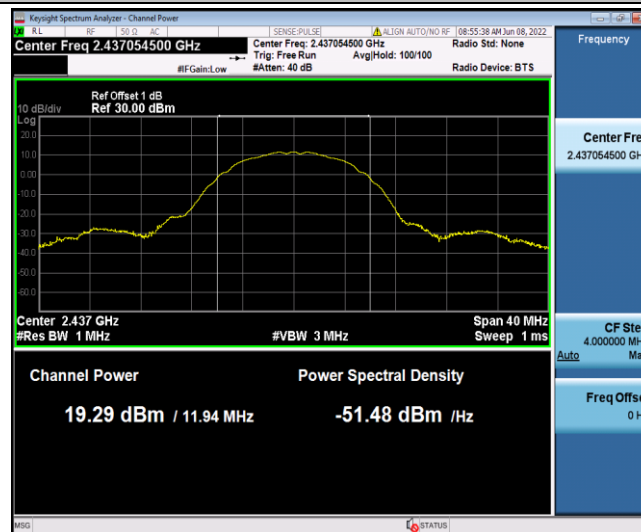
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	19.16	≤30	PASS
		2437	19.29	≤30	PASS
		2462	19.51	≤30	PASS
11G	Ant1	2412	21.94	≤30	PASS
		2437	21.80	≤30	PASS
		2462	21.86	≤30	PASS
11N20SISO	Ant1	2412	21.41	≤30	PASS
		2437	21.69	≤30	PASS
		2462	21.78	≤30	PASS
11N40SISO	Ant1	2422	20.32	≤30	PASS
		2437	20.40	≤30	PASS
		2452	20.39	≤30	PASS

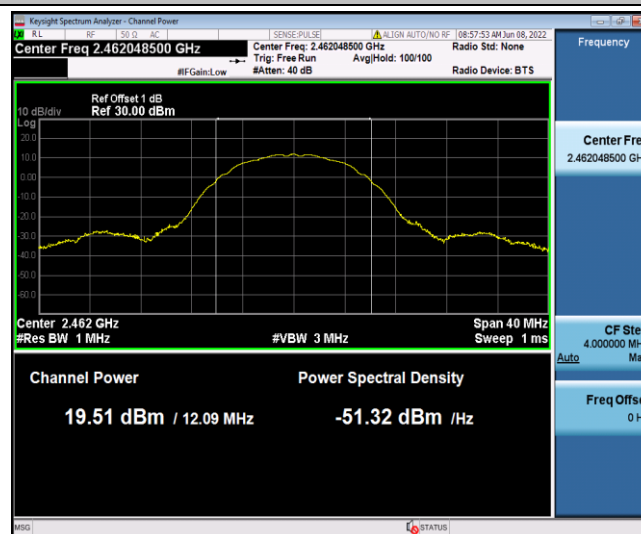
Test Graphs



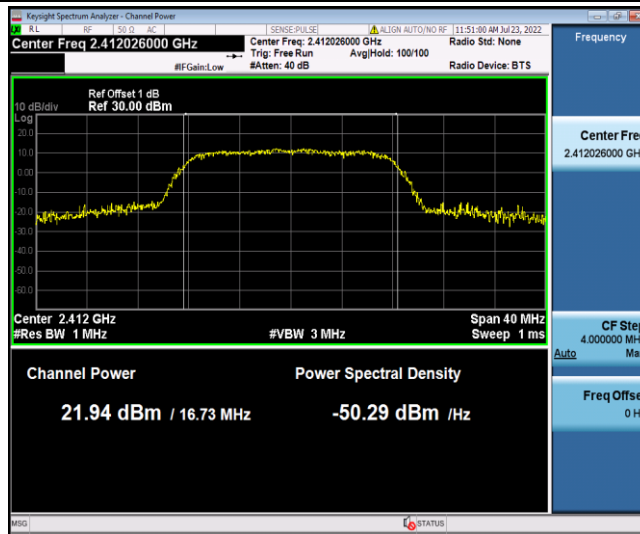
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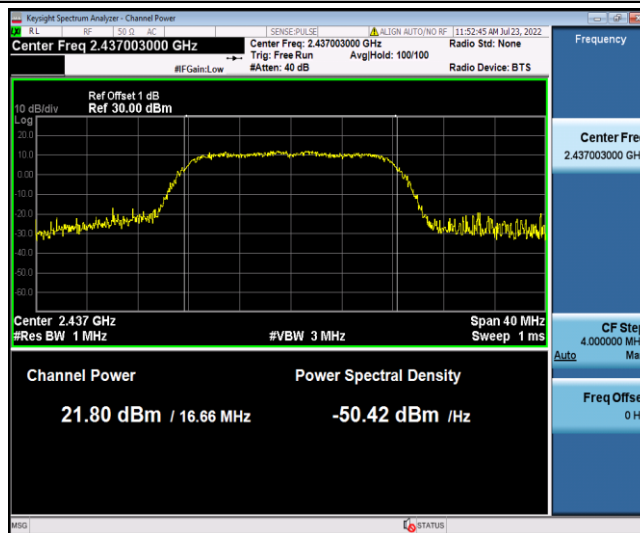
11B_Ant1_2437



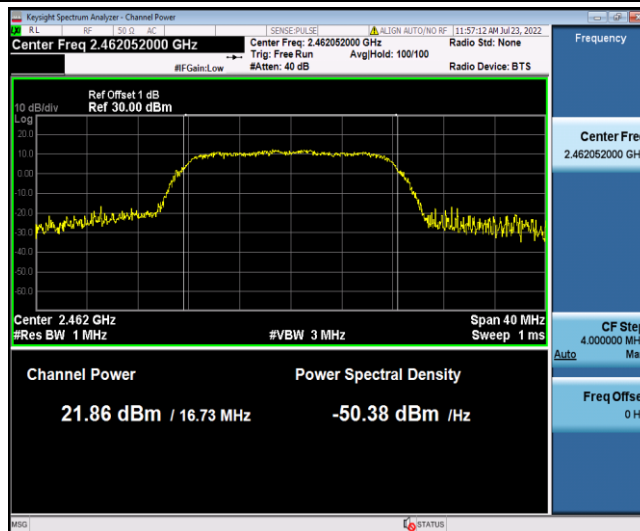
11B_Ant1_2462



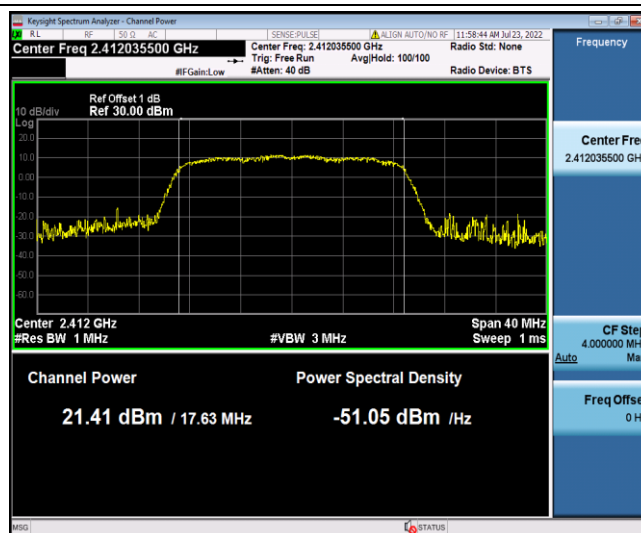
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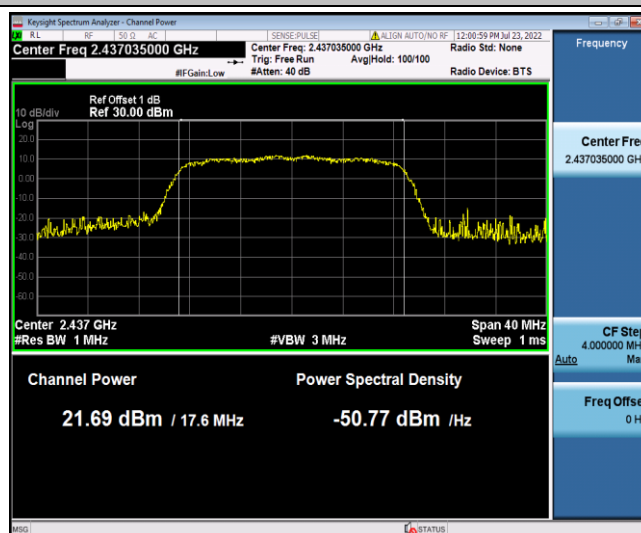
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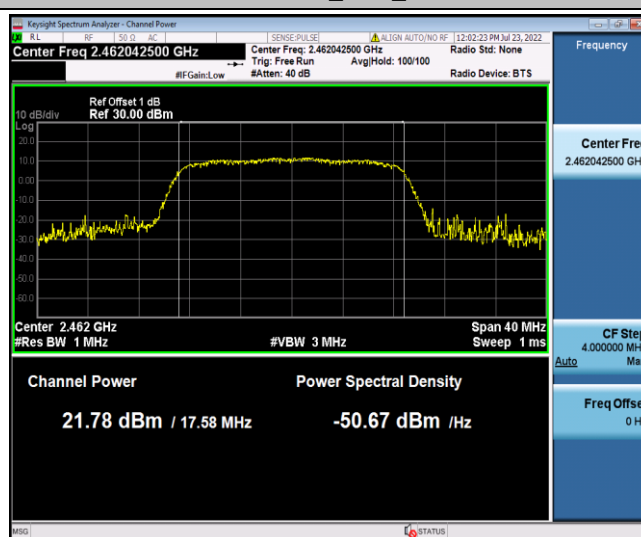
11G_Ant1_2462



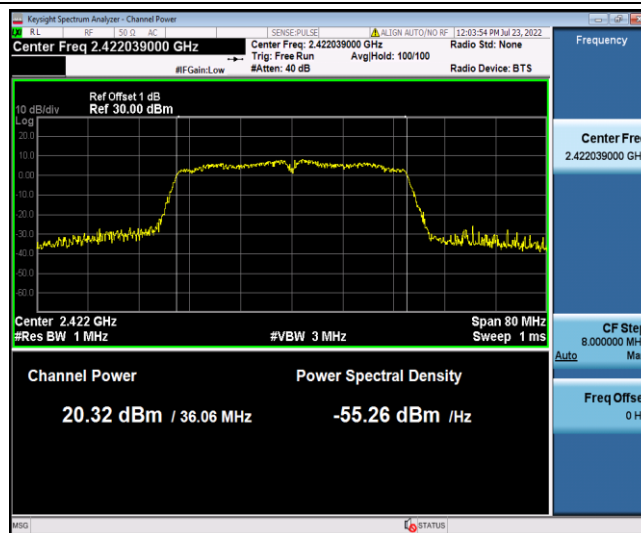
11N20SISO_Ant1_2412



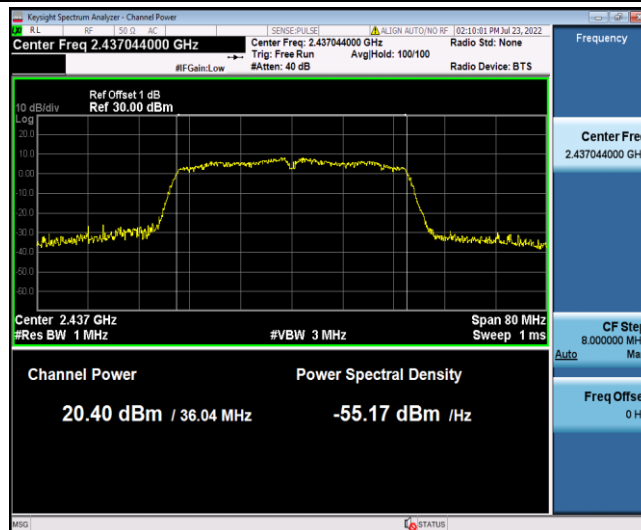
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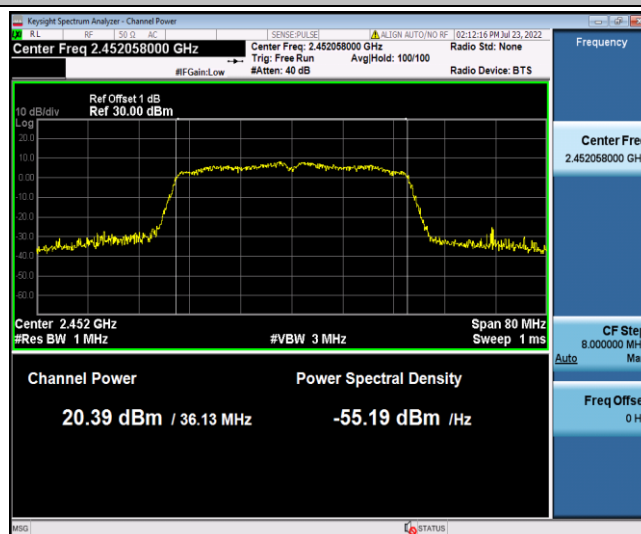
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



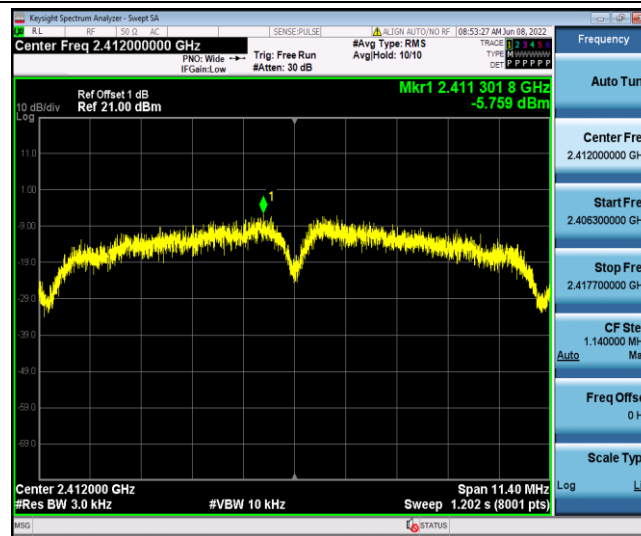
11N40SISO_Ant1_2452

Appendix C: Maximum power spectral density

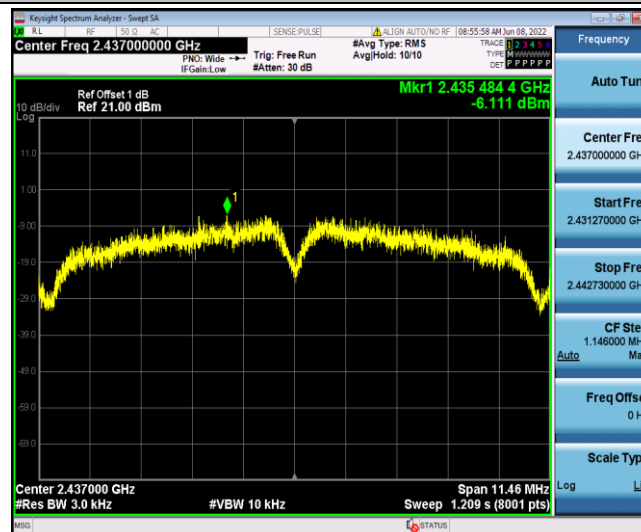
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.76	≤8	PASS
		2437	-6.11	≤8	PASS
		2462	-5.7	≤8	PASS
11G	Ant1	2412	-9.23	≤8	PASS
		2437	-9.58	≤8	PASS
		2462	-9.46	≤8	PASS
11N20SISO	Ant1	2412	-10.08	≤8	PASS
		2437	-9.82	≤8	PASS
		2462	-10.18	≤8	PASS
11N40SISO	Ant1	2422	-14.21	≤8	PASS
		2437	-13.39	≤8	PASS
		2452	-13.37	≤8	PASS

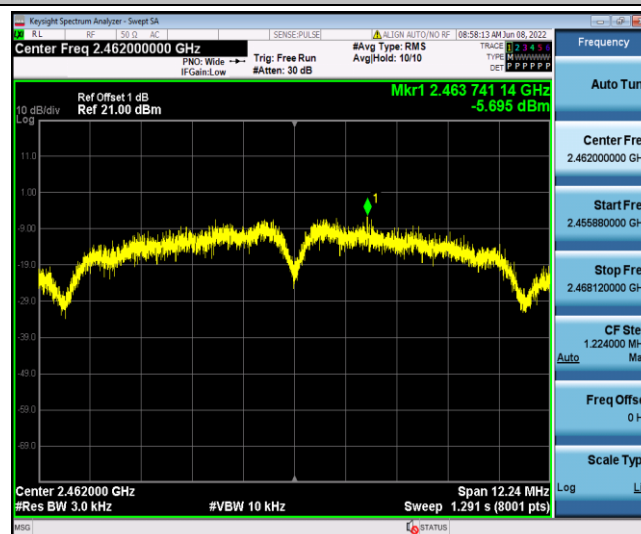
Test Graphs



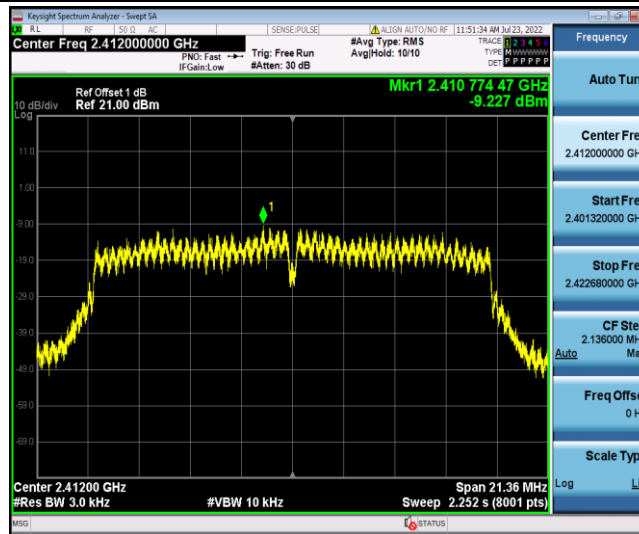
11B_Ant1_2412



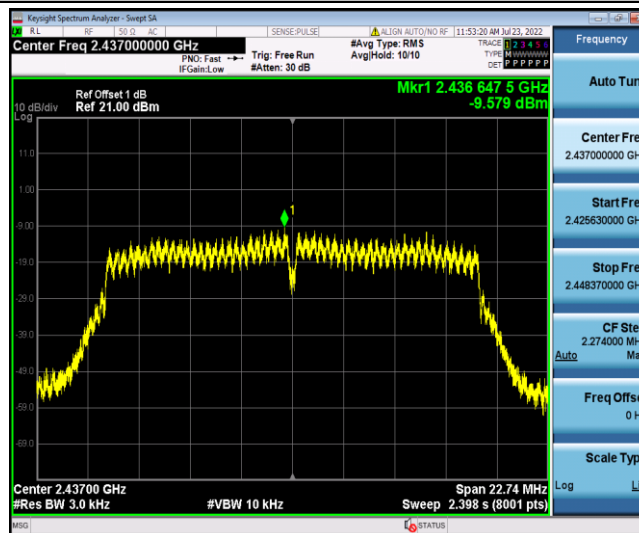
11B_Ant1_2437



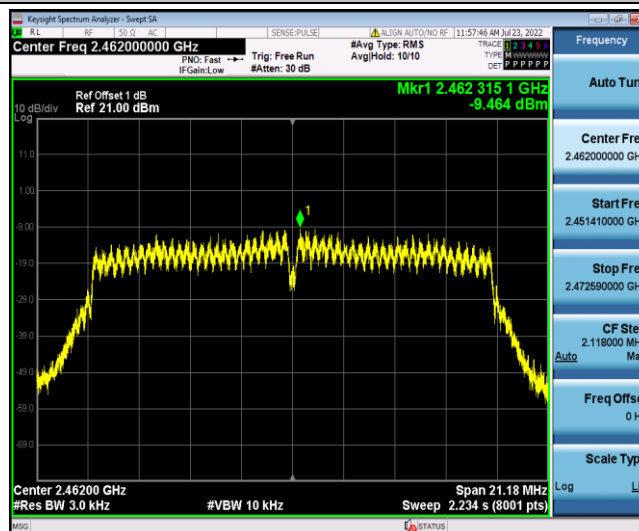
11B_Ant1_2462



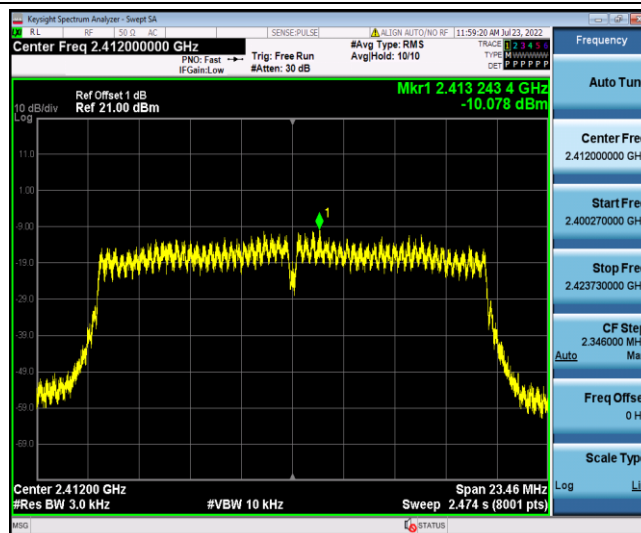
11G_Ant1_2412



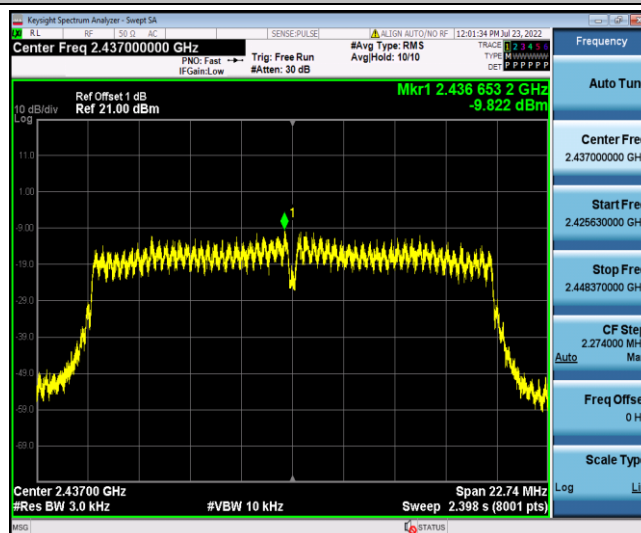
11G_Ant1_2437



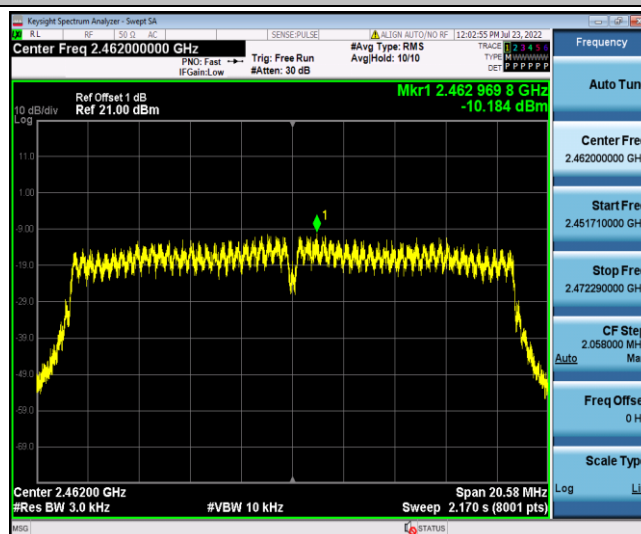
11G_Ant1_2462



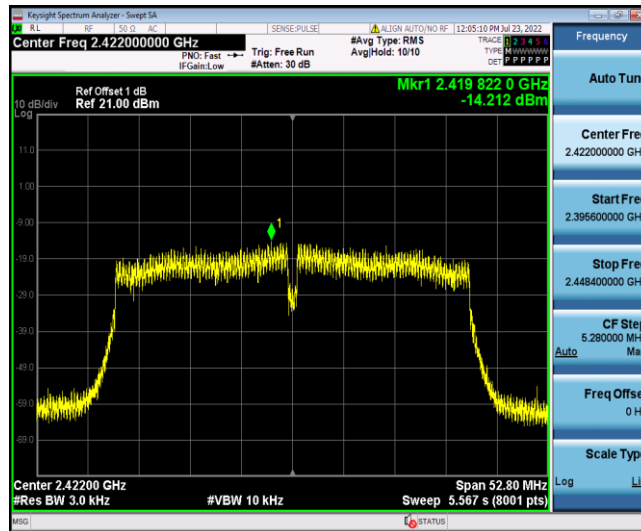
11N20SISO_Ant1_2412



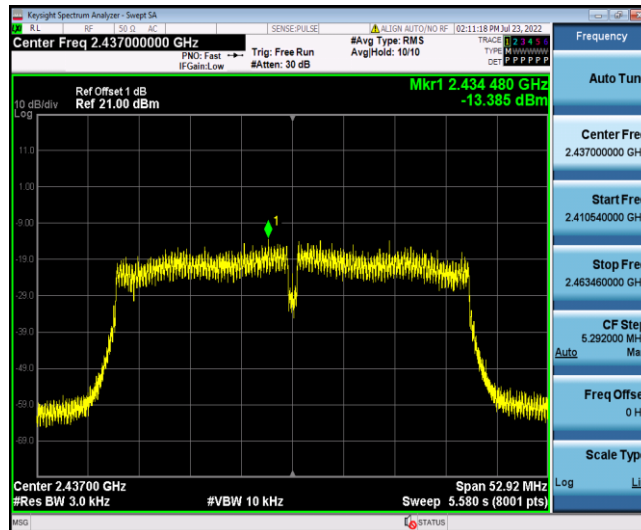
11N20SISO_Ant1_2437



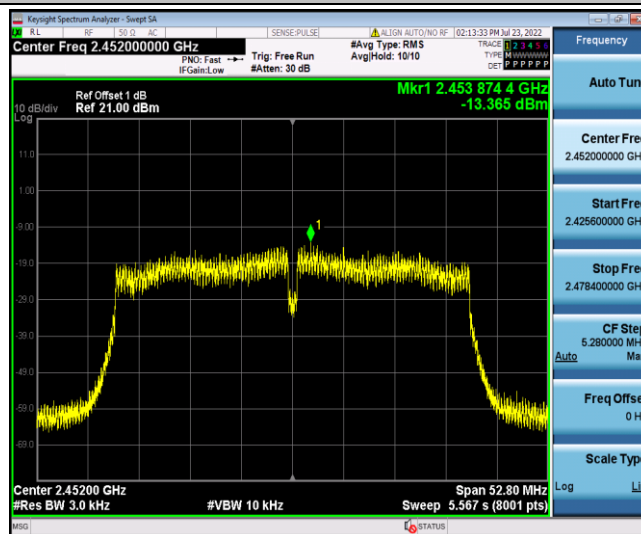
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix D: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.45	-34.37	≤-12.55	PASS
		High	2462	8.21	-48.41	≤-11.79	PASS
11G	Ant1	Low	2412	3.95	-28.83	≤-16.05	PASS
		High	2462	1.21	-42.04	≤-18.79	PASS
11N20SISO	Ant1	Low	2412	0.80	-35.72	≤-19.2	PASS
		High	2462	1.24	-43.22	≤-18.76	PASS
11N40SISO	Ant1	Low	2422	-0.92	-40.19	≤-20.92	PASS
		High	2452	-2.05	-43.08	≤-22.05	PASS