

Appendix Test Data

Project No.:	18220WC10155102	Test Date:	2021.7.19
Test Engineer:	<i>Jony. He</i>	Auditor:	<i>Edward. Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.440	2416.600	≥ 0.5	PASS
		2437	10.120	2431.960	2442.080	≥ 0.5	PASS
		2462	9.120	2457.440	2466.560	≥ 0.5	PASS
11G	Ant1	2412	15.200	2404.400	2419.600	≥ 0.5	PASS
		2437	14.640	2430.080	2444.720	≥ 0.5	PASS
		2462	16.120	2454.080	2470.200	≥ 0.5	PASS
11N20	Ant1	2412	15.160	2404.400	2419.560	≥ 0.5	PASS
		2437	16.000	2429.440	2445.440	≥ 0.5	PASS
		2462	16.400	2454.400	2470.800	≥ 0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant1_2437



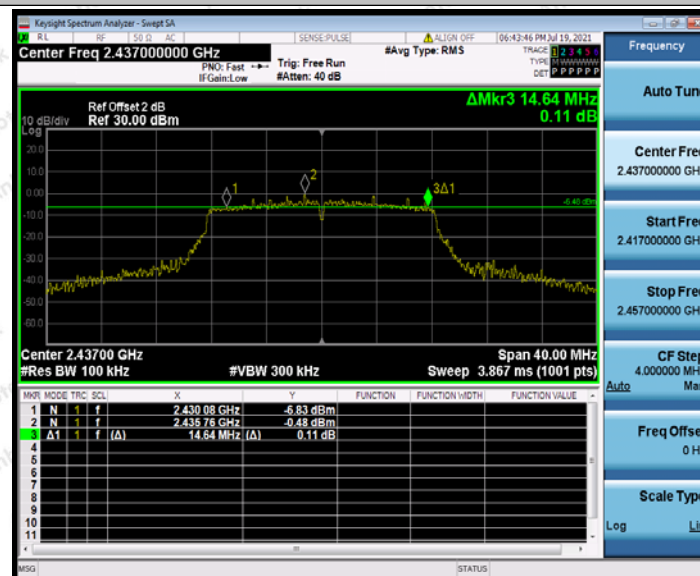
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



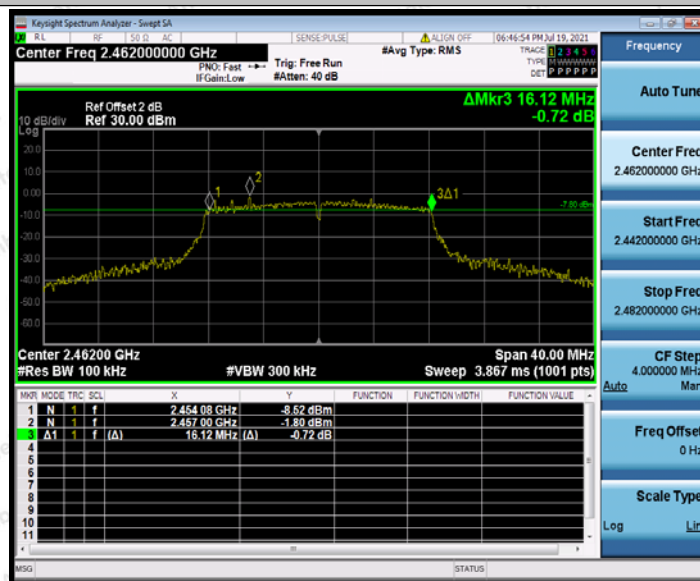
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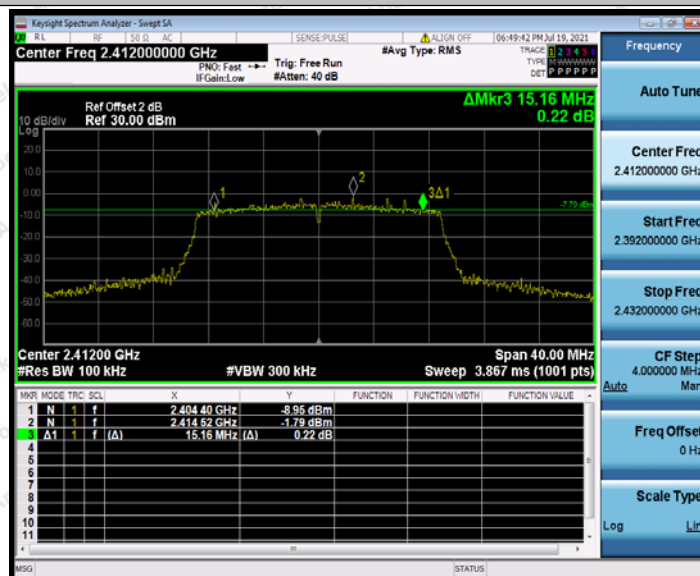
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11G_Ant1_2462



11N20_Ant1_2412



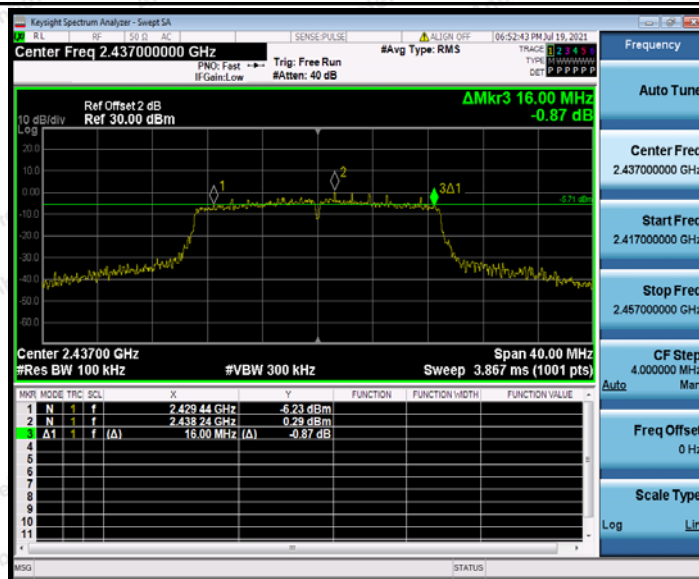
11N20_Ant1_2437

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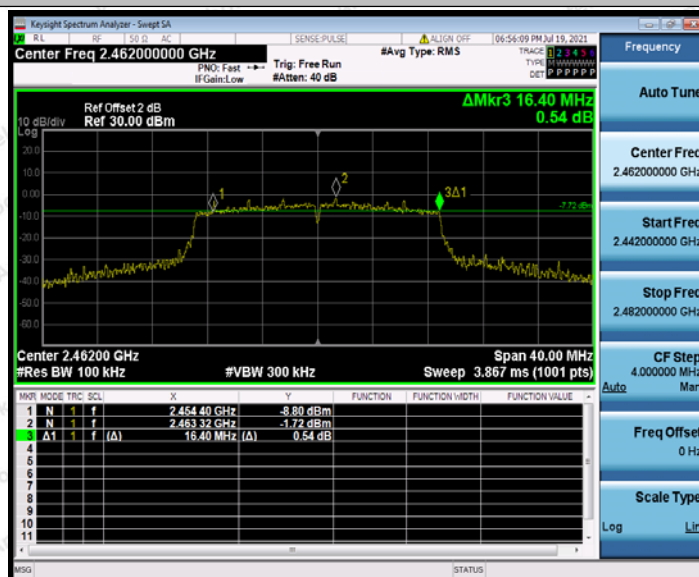
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11N20_Ant1_2462



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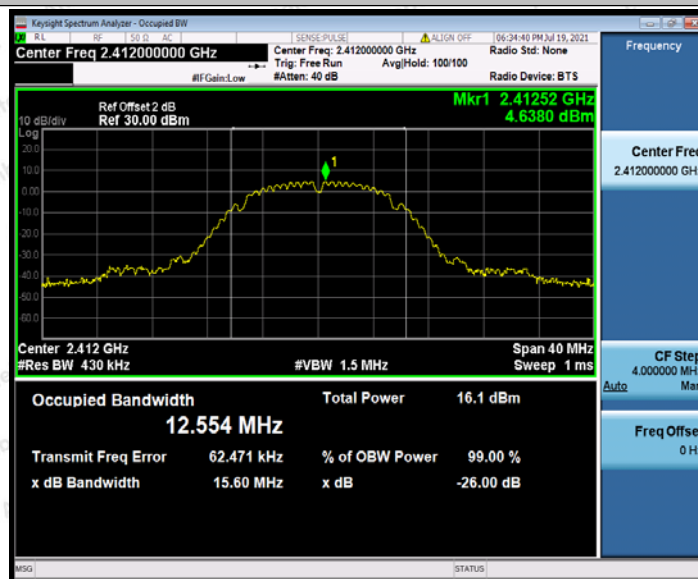
Appendix B: Occupied Channel Bandwidth

Test Result

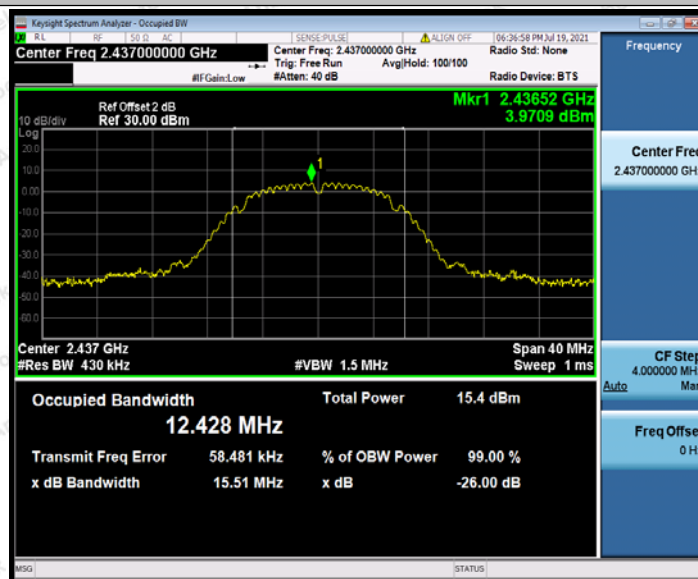
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.554	2405.785	2418.339	---	PASS
		2437	12.428	2430.844	2443.272	---	PASS
		2462	12.419	2455.860	2468.279	---	PASS
11G	Ant1	2412	16.770	2403.646	2420.416	---	PASS
		2437	17.008	2428.530	2445.538	---	PASS
		2462	17.022	2453.514	2470.536	---	PASS
11N20	Ant1	2412	17.717	2403.186	2420.903	---	PASS
		2437	17.832	2428.130	2445.962	---	PASS
		2462	17.938	2453.105	2471.043	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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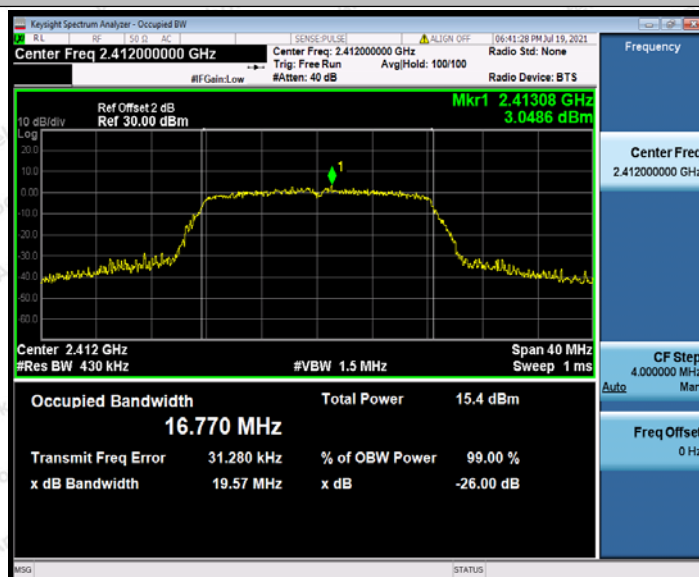
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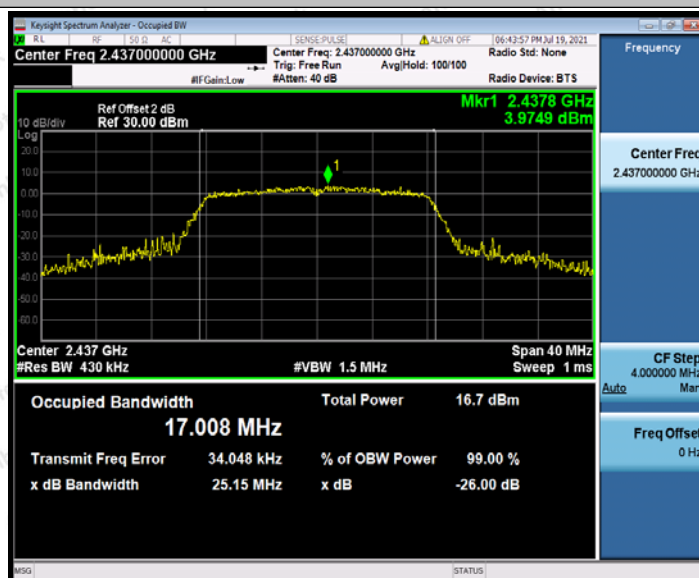
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11G_Ant1_2412



11G_Ant1_2437



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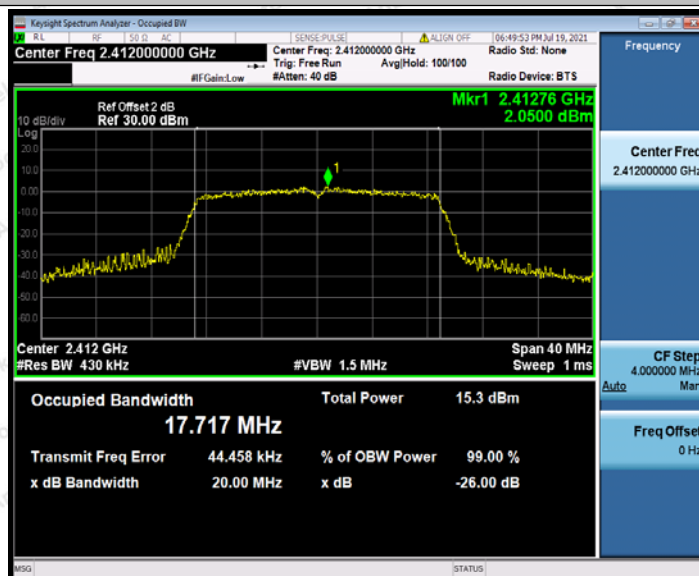
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11G_Ant1_2462



11N20_Ant1_2412



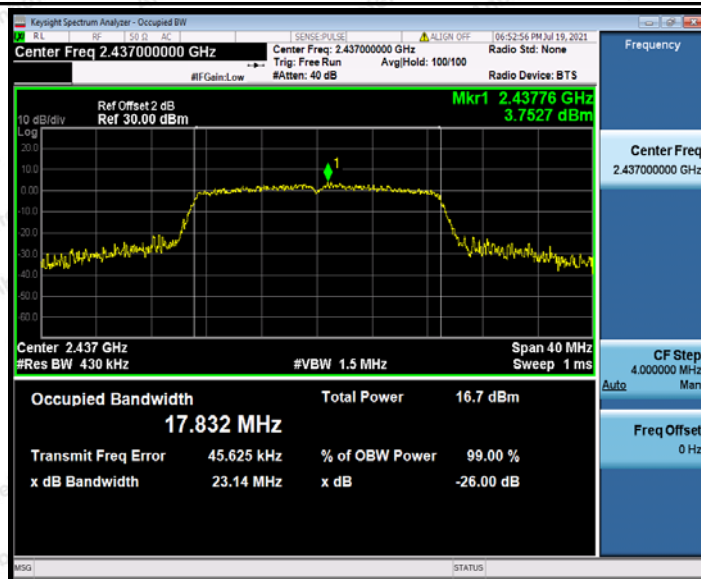
11N20_Ant1_2437

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11N20_Ant1_2462



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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.17	<=30	PASS
		2437	15.32	<=30	PASS
		2462	14.60	<=30	PASS
11G	Ant1	2412	16.54	<=30	PASS
		2437	17.75	<=30	PASS
		2462	17.22	<=30	PASS
11N20	Ant1	2412	16.48	<=30	PASS
		2437	17.77	<=30	PASS
		2462	17.00	<=30	PASS

Appendix D: Maximum power spectral density

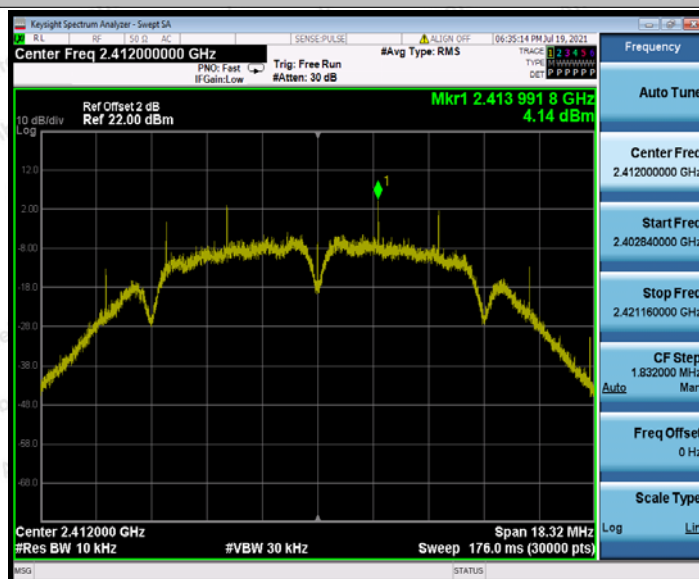
Test Result

TestMode	Antenna	Channel	Result [dBm/10kHz]	Result[dBm/3kHz]	Limit[dBm/3 kHz]	Verdict
11B	Ant1	2412	4.14	-1.08	<=8	PASS
		2437	-3.81	-9.03	<=8	PASS
		2462	-5.47	-10.69	<=8	PASS
11G	Ant1	2412	-9.84	-15.06	<=8	PASS
		2437	-8.33	-13.55	<=8	PASS
		2462	-7.07	-12.29	<=8	PASS
11N20	Ant1	2412	-9.71	-14.93	<=8	PASS
		2437	-6.24	-11.46	<=8	PASS
		2462	-8.67	-13.89	<=8	PASS

Note: *Result [dBm/3kHz]= Result[dBm/10kHz]-10*Log(10/3)

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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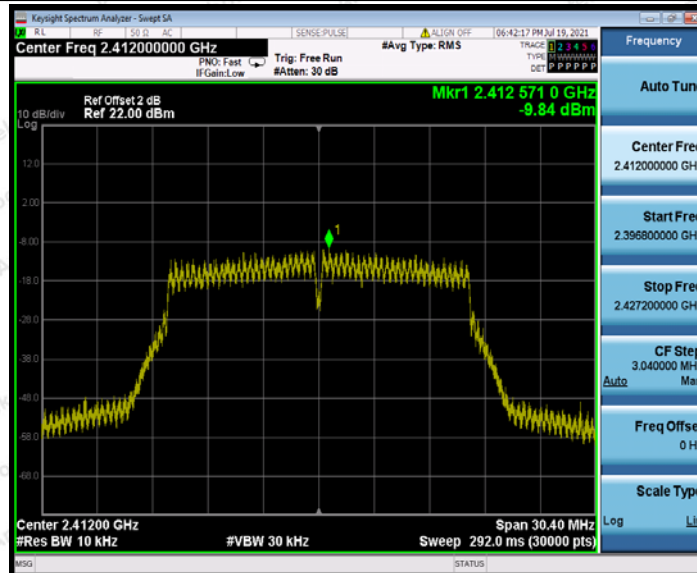
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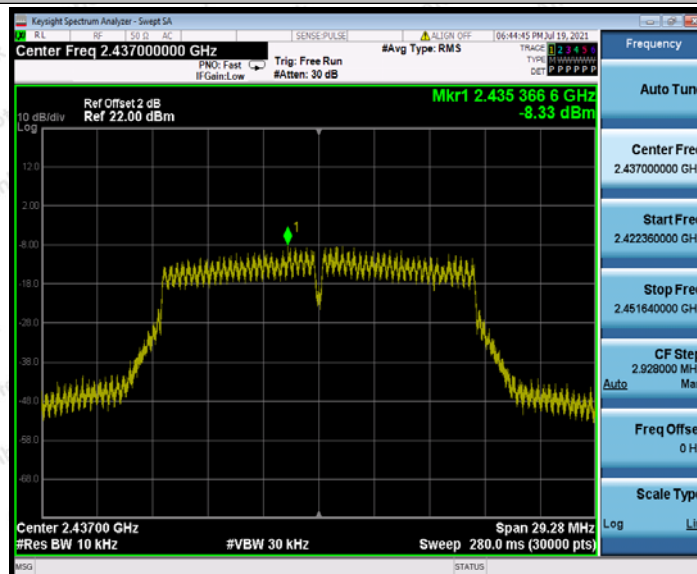
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11G_Ant1_2412



11G_Ant1_2437

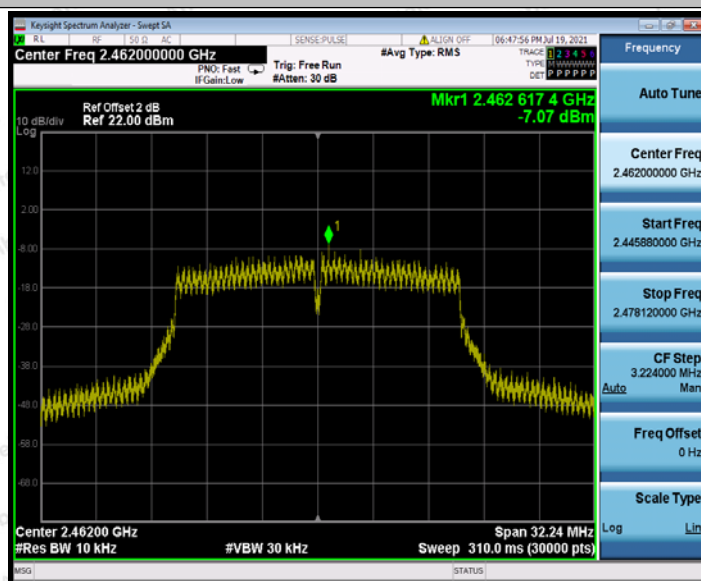


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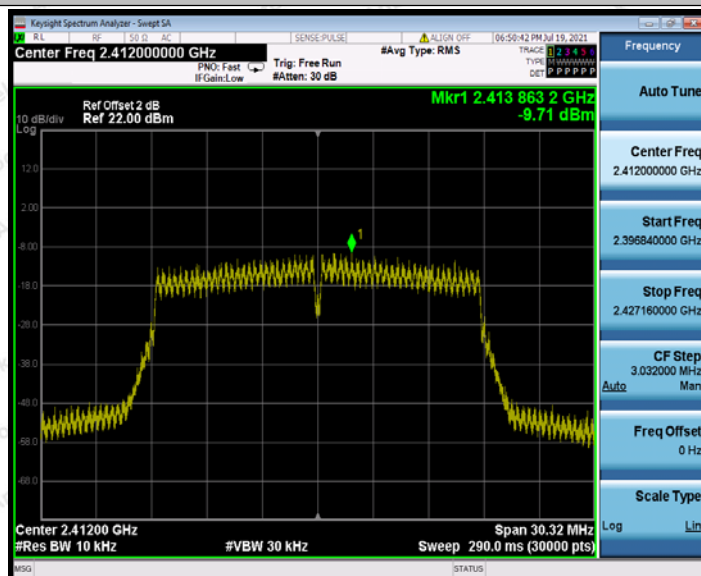
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11G_Ant1_2462



11N20_Ant1_2412

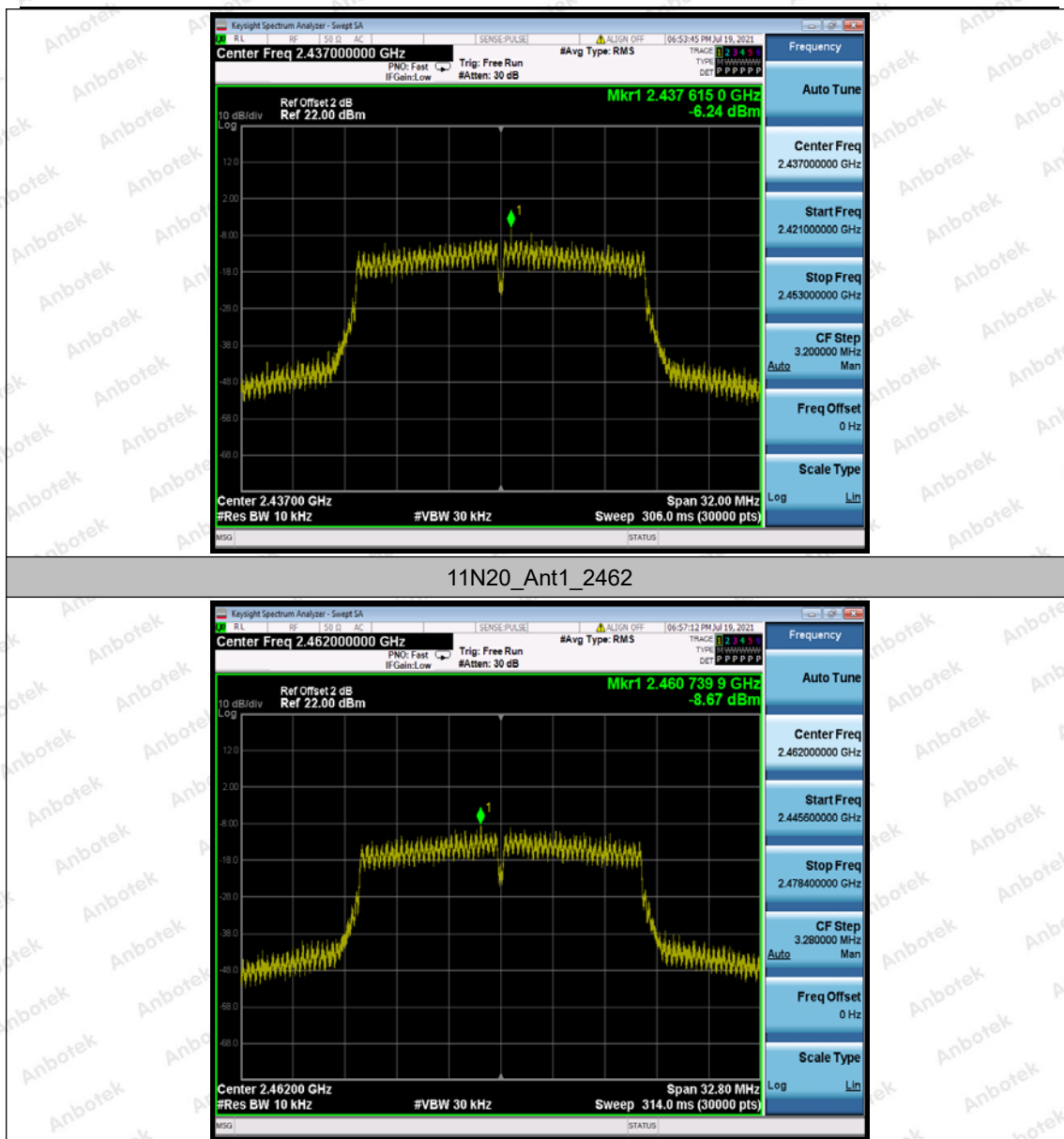


11N20_Ant1_2437

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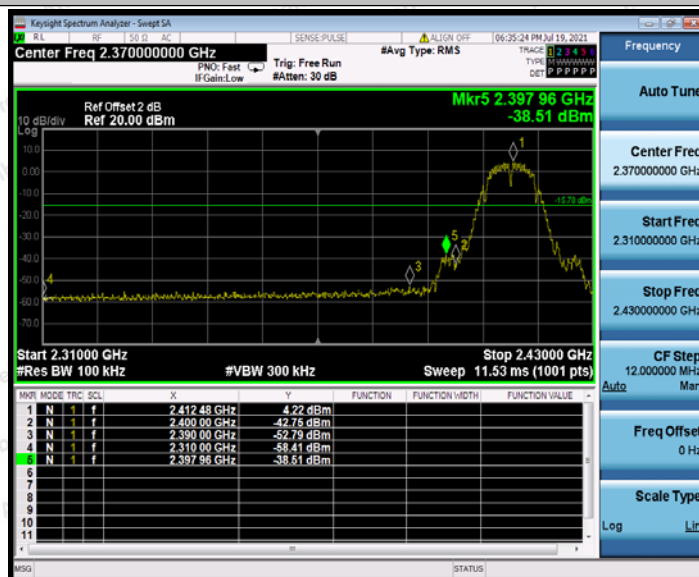
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.22	-38.51	<=-15.78	PASS
		High	2462	3.04	-53.38	<=-16.96	PASS
11G	Ant1	Low	2412	-0.44	-36.87	<=-20.44	PASS
		High	2462	0.25	-39.14	<=-19.76	PASS
11N20	Ant1	Low	2412	-1.20	-37	<=-21.2	PASS
		High	2462	0.03	-39.04	<=-19.97	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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