

Appendix Test Data

Report No.:	18220WC20136602	Test Sample No.:	1-2-2
Start Test Date:	2022.6.28	Finish Test Date:	2022.7.5
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

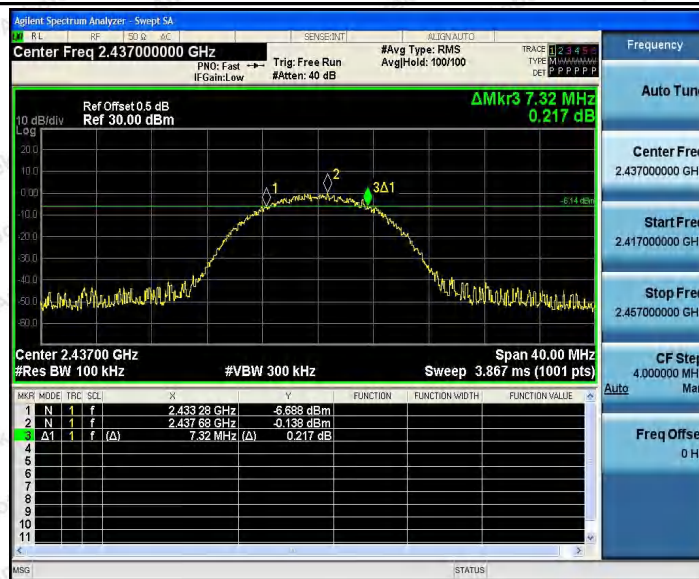
Appendix A: DTS Bandwidth

Test Result

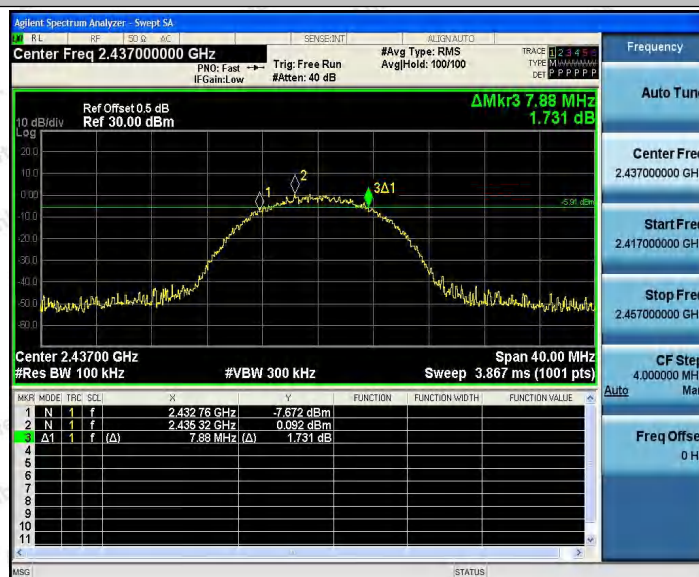
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.760	2415.840	≥0.5	PASS
	Ant2	2412	7.320	2408.280	2415.600	≥0.5	PASS
	Ant1	2437	7.320	2433.280	2440.600	≥0.5	PASS
	Ant2	2437	7.880	2432.760	2440.640	≥0.5	PASS
	Ant1	2462	7.240	2458.280	2465.520	≥0.5	PASS
	Ant2	2462	7.360	2458.400	2465.760	≥0.5	PASS
11G	Ant1	2412	16.560	2403.720	2420.280	≥0.5	PASS
	Ant2	2412	16.560	2403.720	2420.280	≥0.5	PASS
	Ant1	2437	16.440	2428.760	2445.200	≥0.5	PASS
	Ant2	2437	16.520	2428.720	2445.240	≥0.5	PASS
	Ant1	2462	16.480	2453.720	2470.200	≥0.5	PASS
	Ant2	2462	16.520	2453.720	2470.240	≥0.5	PASS
11N20	Ant1	2412	17.760	2403.120	2420.880	≥0.5	PASS
	Ant2	2412	17.840	2403.080	2420.920	≥0.5	PASS
	Ant1	2437	17.800	2428.120	2445.920	≥0.5	PASS
	Ant2	2437	17.840	2428.080	2445.920	≥0.5	PASS
	Ant1	2462	17.800	2453.080	2470.880	≥0.5	PASS
	Ant2	2462	17.800	2453.080	2470.880	≥0.5	PASS

Test Graphs

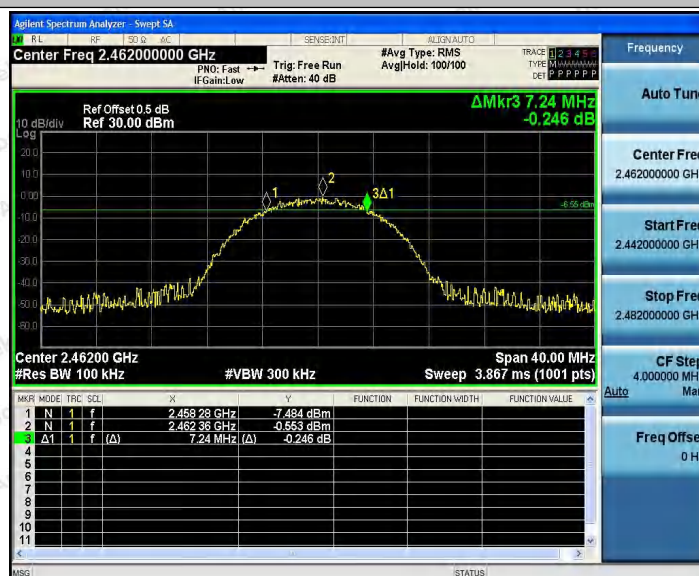




11B_Ant2_2437



11B_Ant1_2462

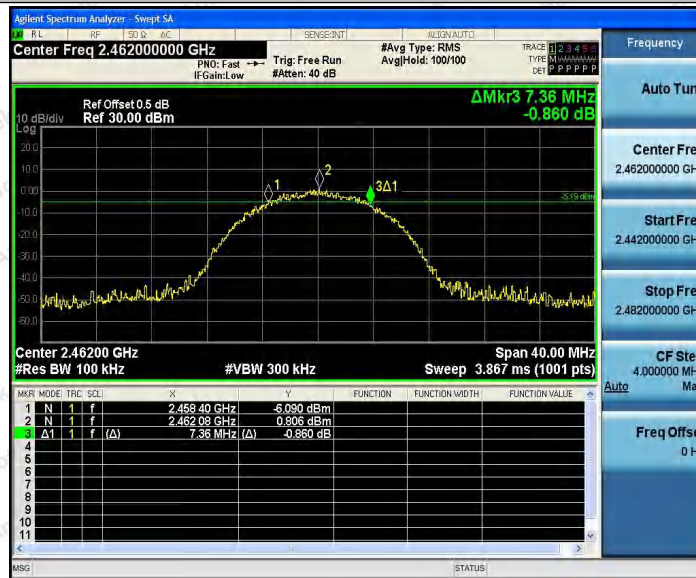


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11B_Ant2_2462



11G_Ant1_2412



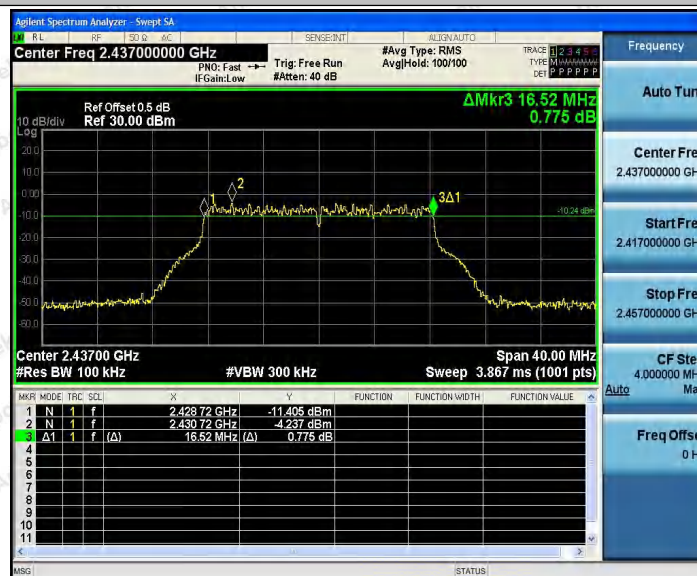
11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437

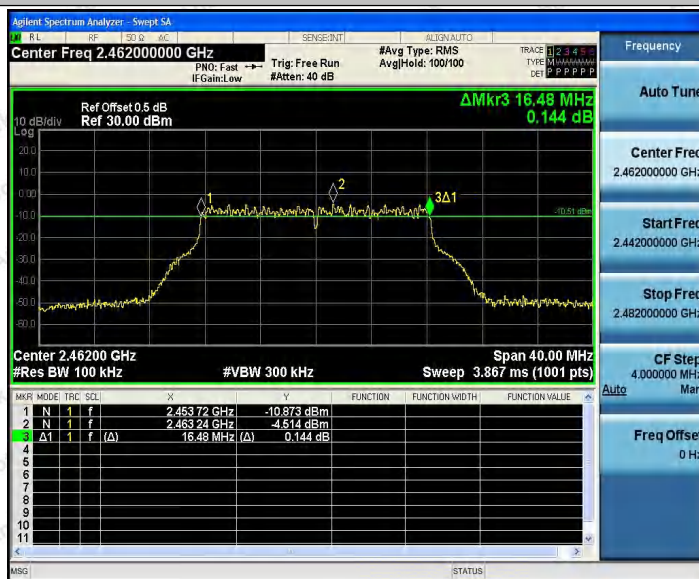


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11G_Ant1_2462



11G_Ant2_2462



11N20_Ant1_2412



11N20_Ant2_2412



11N20_Ant1_2437



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11N20_Ant2_2437



11N20_Ant1_2462



11N20_Ant2_2462



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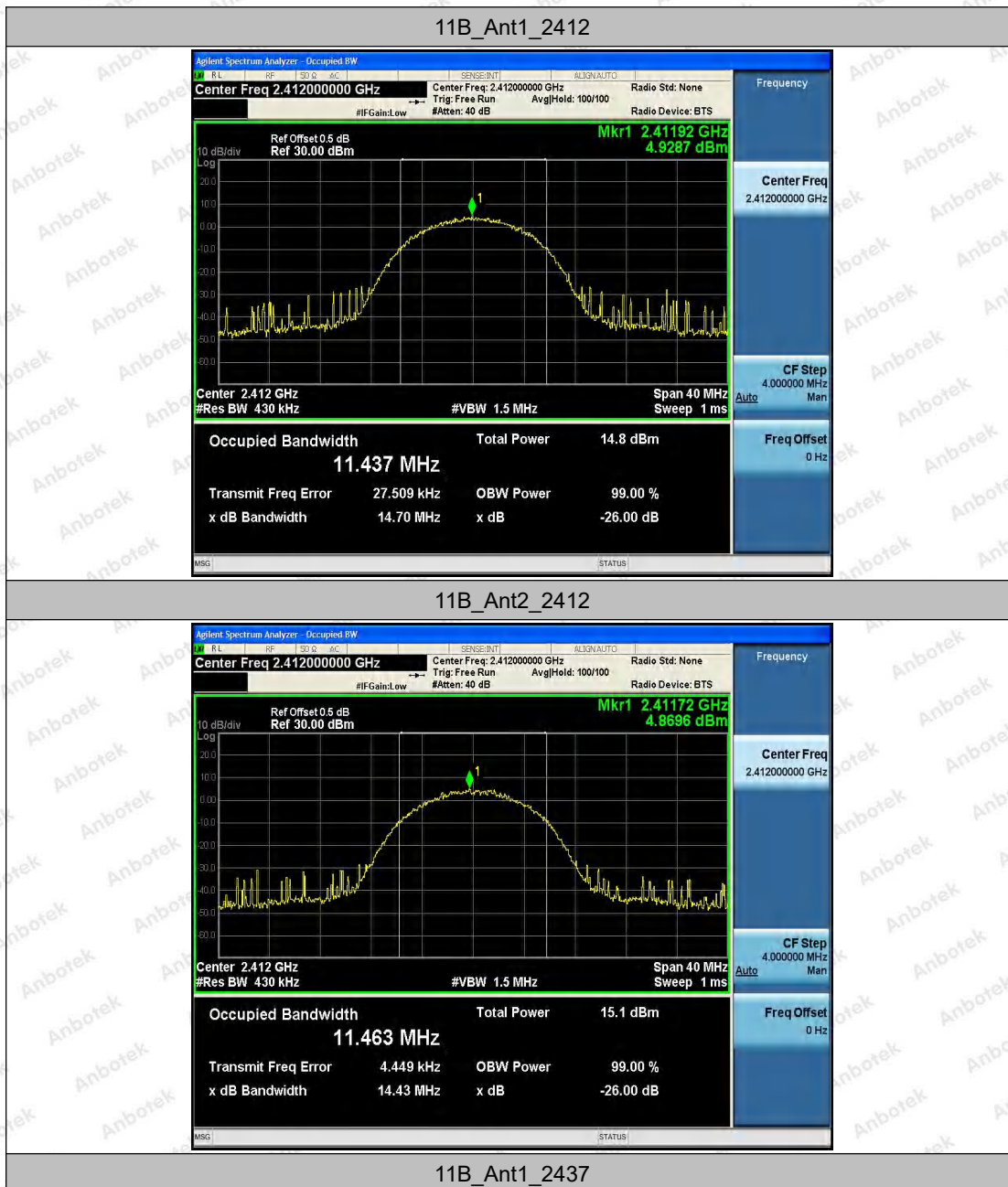
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.437	2406.309	2417.746	---	PASS
	Ant2	2412	11.463	2406.273	2417.736	---	PASS
	Ant1	2437	11.452	2431.265	2442.717	---	PASS
	Ant2	2437	11.368	2431.281	2442.649	---	PASS
	Ant1	2462	11.445	2456.227	2467.672	---	PASS
	Ant2	2462	11.420	2456.267	2467.687	---	PASS
11G	Ant1	2412	16.906	2403.596	2420.502	---	PASS
	Ant2	2412	16.930	2403.580	2420.510	---	PASS
	Ant1	2437	16.944	2428.599	2445.543	---	PASS
	Ant2	2437	16.842	2428.579	2445.421	---	PASS
	Ant1	2462	16.910	2453.576	2470.486	---	PASS
	Ant2	2462	16.901	2453.558	2470.459	---	PASS
11N20	Ant1	2412	18.122	2402.988	2421.110	---	PASS
	Ant2	2412	18.129	2402.975	2421.104	---	PASS
	Ant1	2437	18.114	2427.959	2446.073	---	PASS
	Ant2	2437	18.189	2427.894	2446.083	---	PASS
	Ant1	2462	18.085	2452.957	2471.042	---	PASS
	Ant2	2462	18.214	2452.870	2471.084	---	PASS

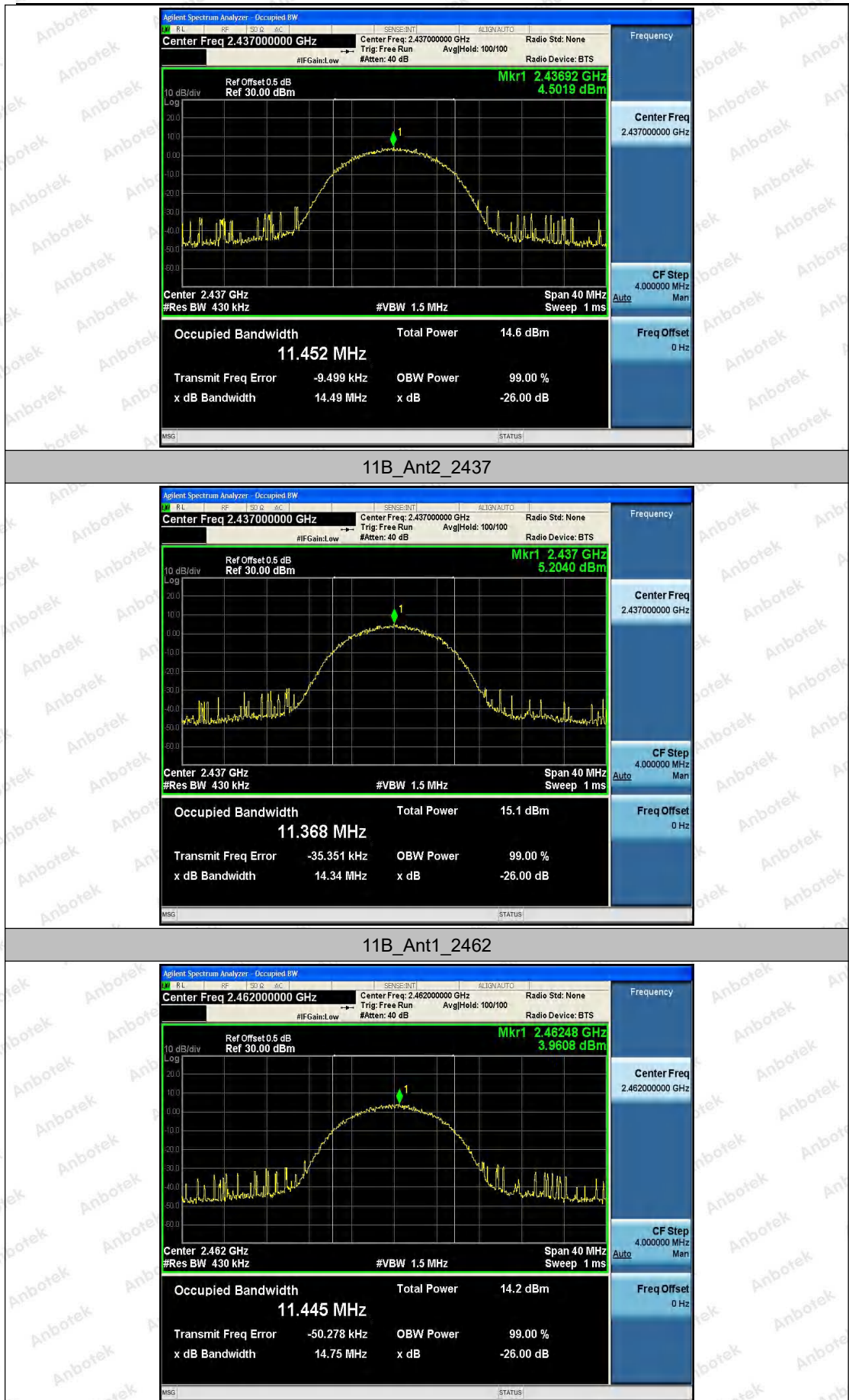
Test Graphs



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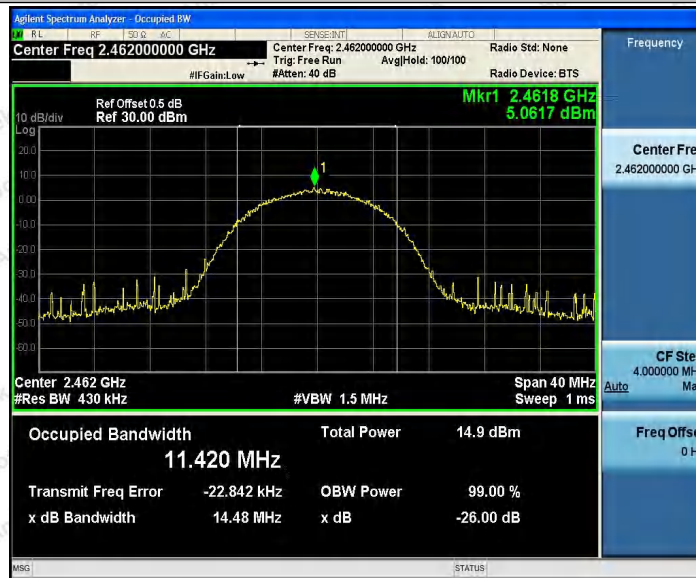


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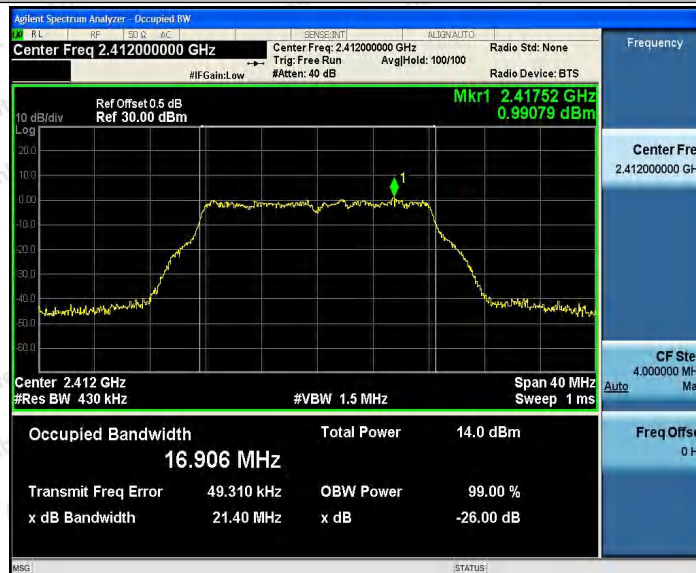
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11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412

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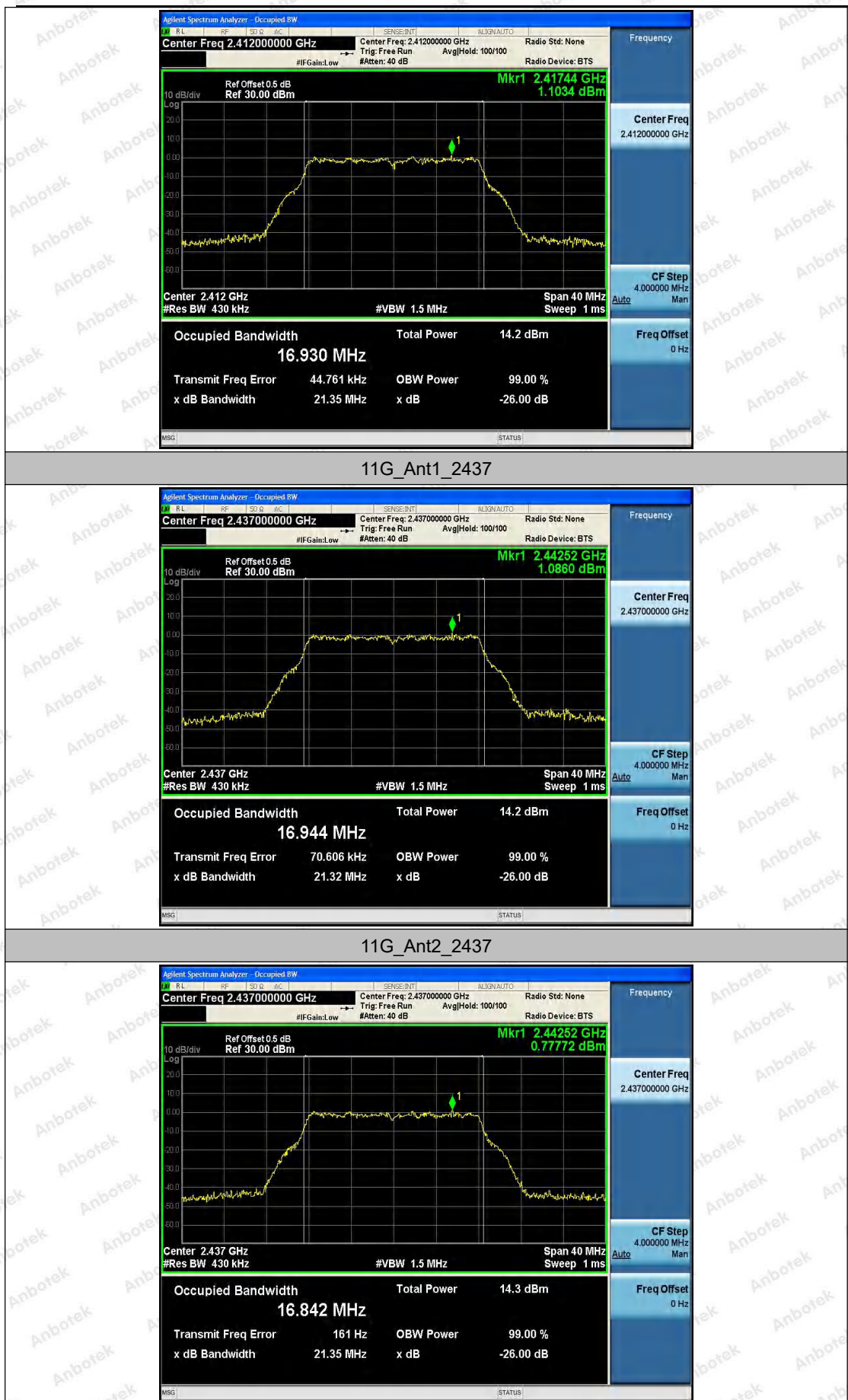
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11G_Ant1_2462



11G_Ant2_2462

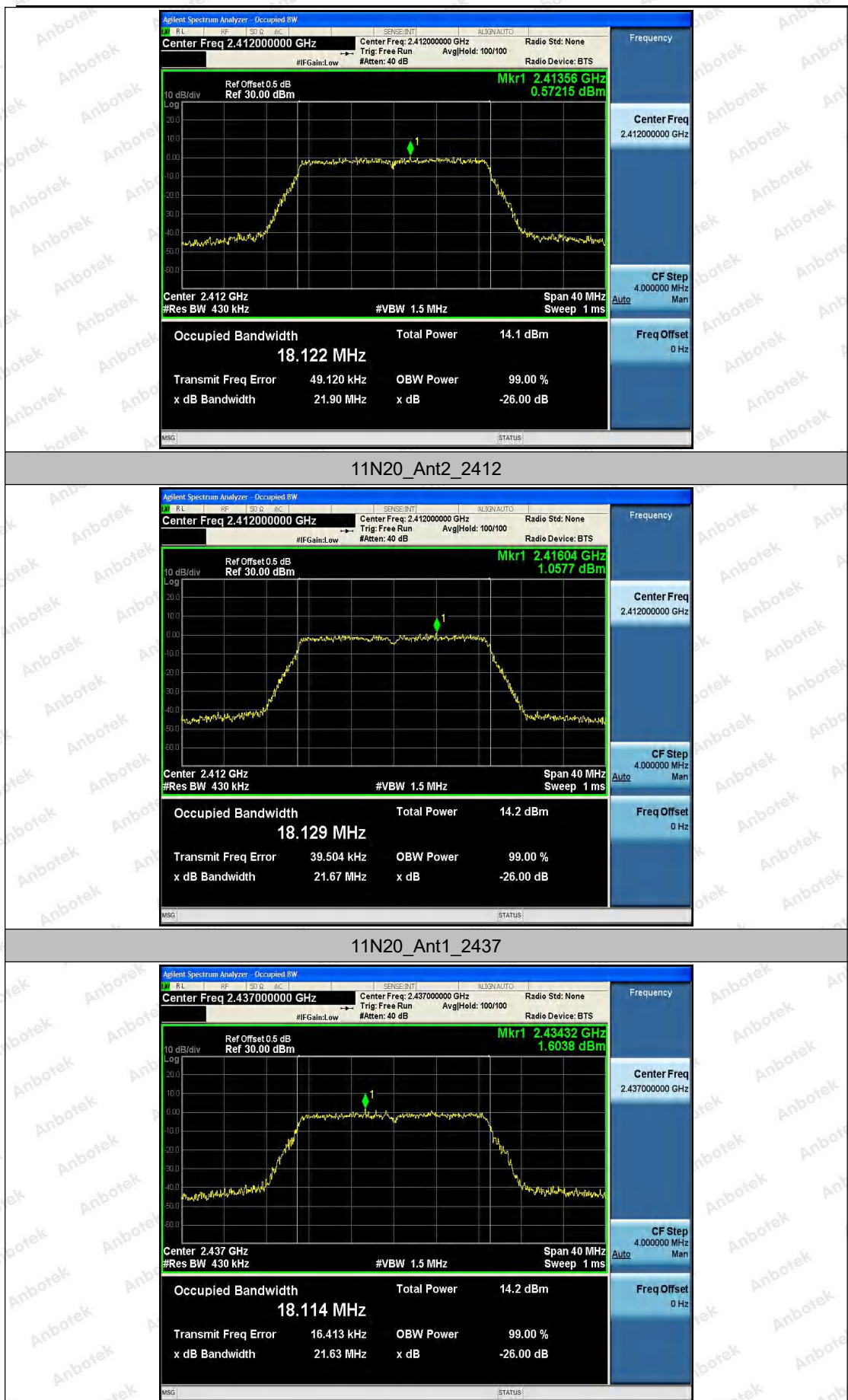


11N20_Ant1_2412

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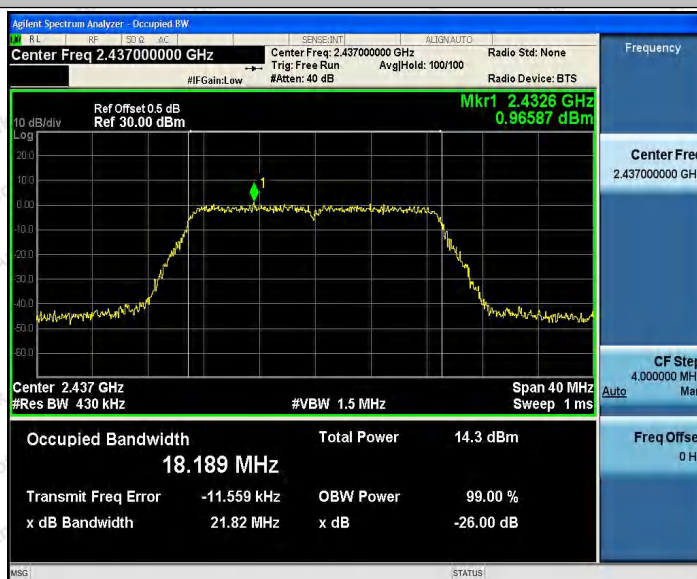
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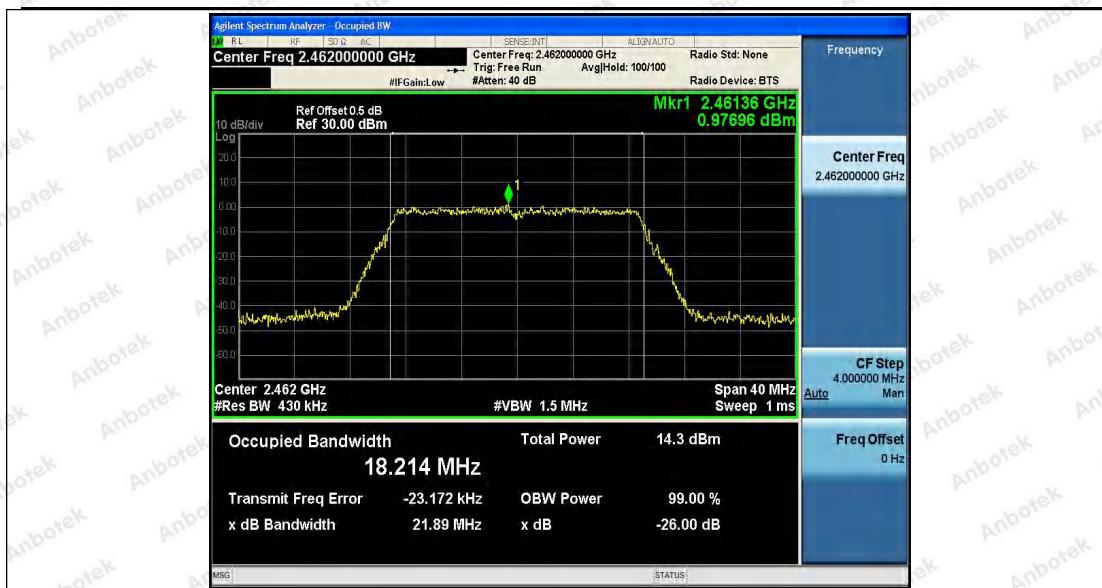
11N20_Ant2_2437



11N20_Ant1_2462



11N20_Ant2_2462



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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.43	≤30	PASS
	Ant2	2412	14.55	≤30	PASS
	Ant1	2437	15.24	≤30	PASS
	Ant2	2437	14.40	≤30	PASS
	Ant1	2462	14.87	≤30	PASS
	Ant2	2462	14.46	≤30	PASS
11G	Ant1	2412	14.92	≤30	PASS
	Ant2	2412	15.13	≤30	PASS
	Ant1	2437	14.99	≤30	PASS
	Ant2	2437	15.12	≤30	PASS
	Ant1	2462	14.64	≤30	PASS
	Ant2	2462	15.17	≤30	PASS
11N20	Ant1	2412	14.87	≤30	PASS
	Ant2	2412	14.94	≤30	PASS
	Ant1	2437	14.99	≤30	PASS
	Ant2	2437	15.13	≤30	PASS
	Ant1	2462	14.62	≤30	PASS
	Ant2	2462	15.20	≤30	PASS

MIMO:

Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20	2412	17.99	≤30	PASS
	2437	18.14	≤30	PASS
	2462	18.00	≤30	PASS

Appendix D: Maximum power spectral density

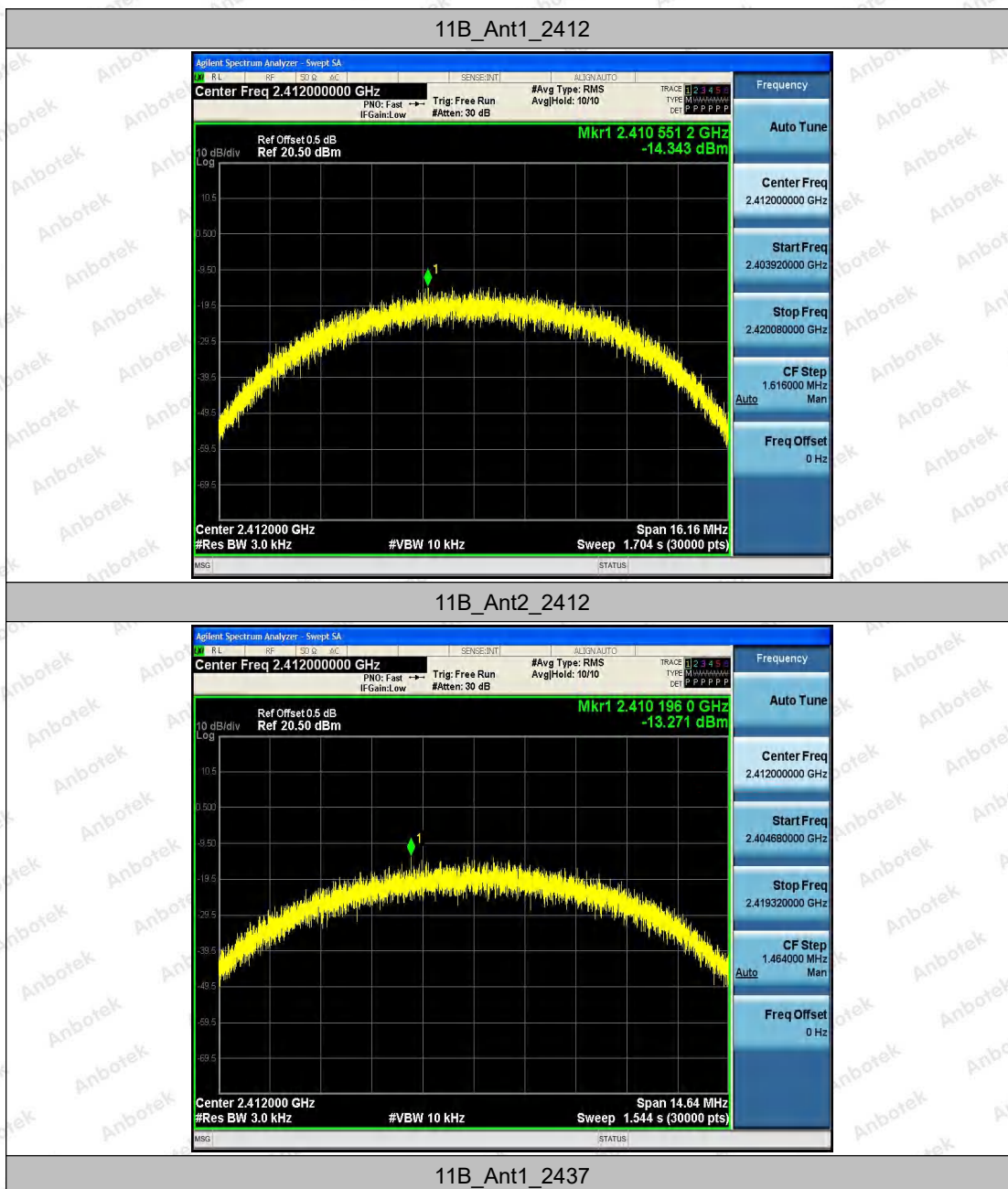
Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.34	≤8	PASS
	Ant2	2412	-13.27	≤8	PASS
	Ant1	2437	-14.08	≤8	PASS
	Ant2	2437	-14.09	≤8	PASS
	Ant1	2462	-14.69	≤8	PASS
	Ant2	2462	-14.44	≤8	PASS
11G	Ant1	2412	-19.78	≤8	PASS
	Ant2	2412	-19.59	≤8	PASS
	Ant1	2437	-19.55	≤8	PASS
	Ant2	2437	-19.32	≤8	PASS
	Ant1	2462	-20.13	≤8	PASS
	Ant2	2462	-19.28	≤8	PASS
11N20	Ant1	2412	-18.44	≤8	PASS
	Ant2	2412	-18.78	≤8	PASS
	Ant1	2437	-17.86	≤8	PASS
	Ant2	2437	-18.44	≤8	PASS
	Ant1	2462	-18.79	≤8	PASS
	Ant2	2462	-18.08	≤8	PASS

MIMO:

Test Mode	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20	2412	-15.60	≤8	PASS
	2437	-15.13	≤8	PASS
	2462	-15.41	≤8	PASS

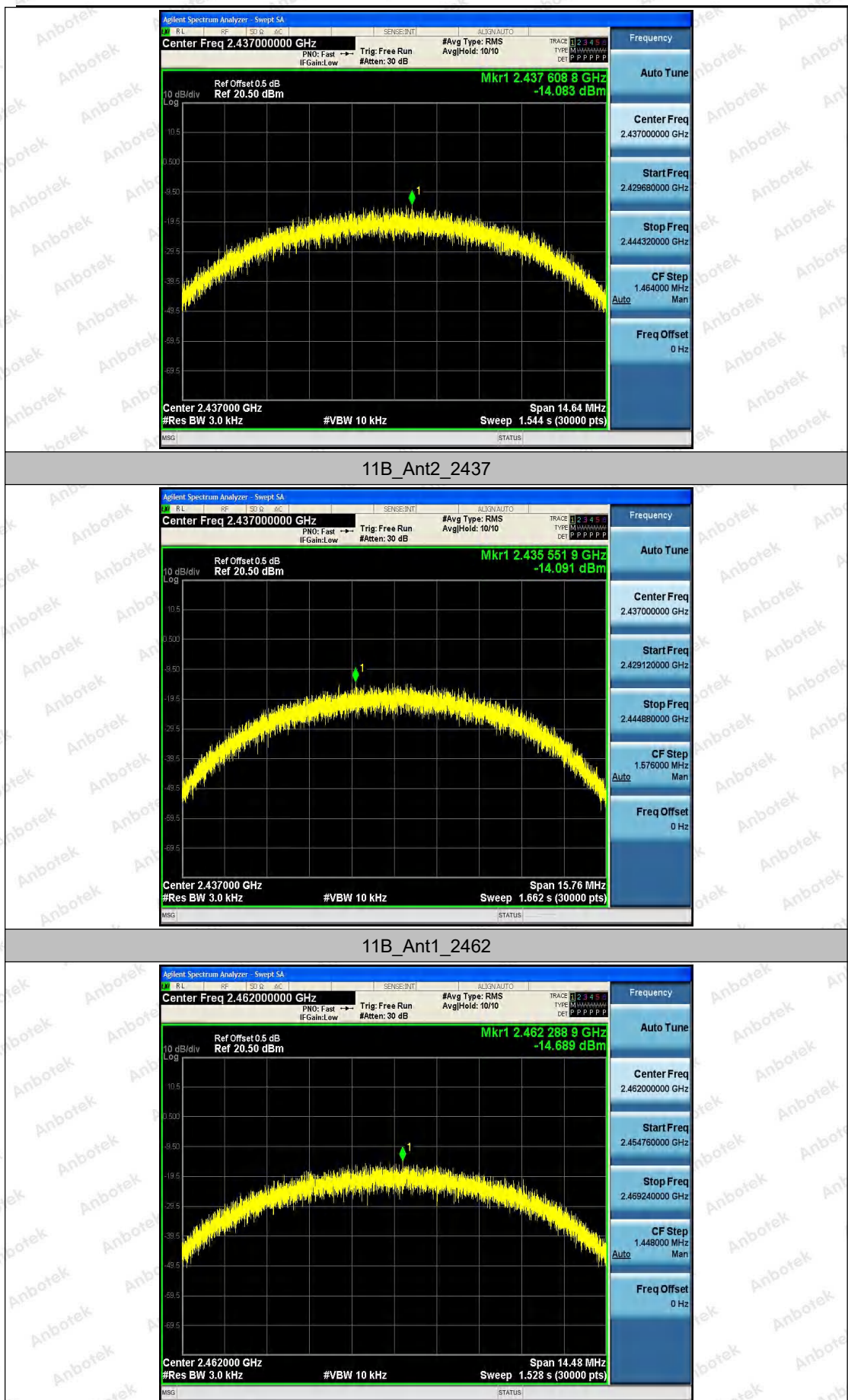
Test Graphs



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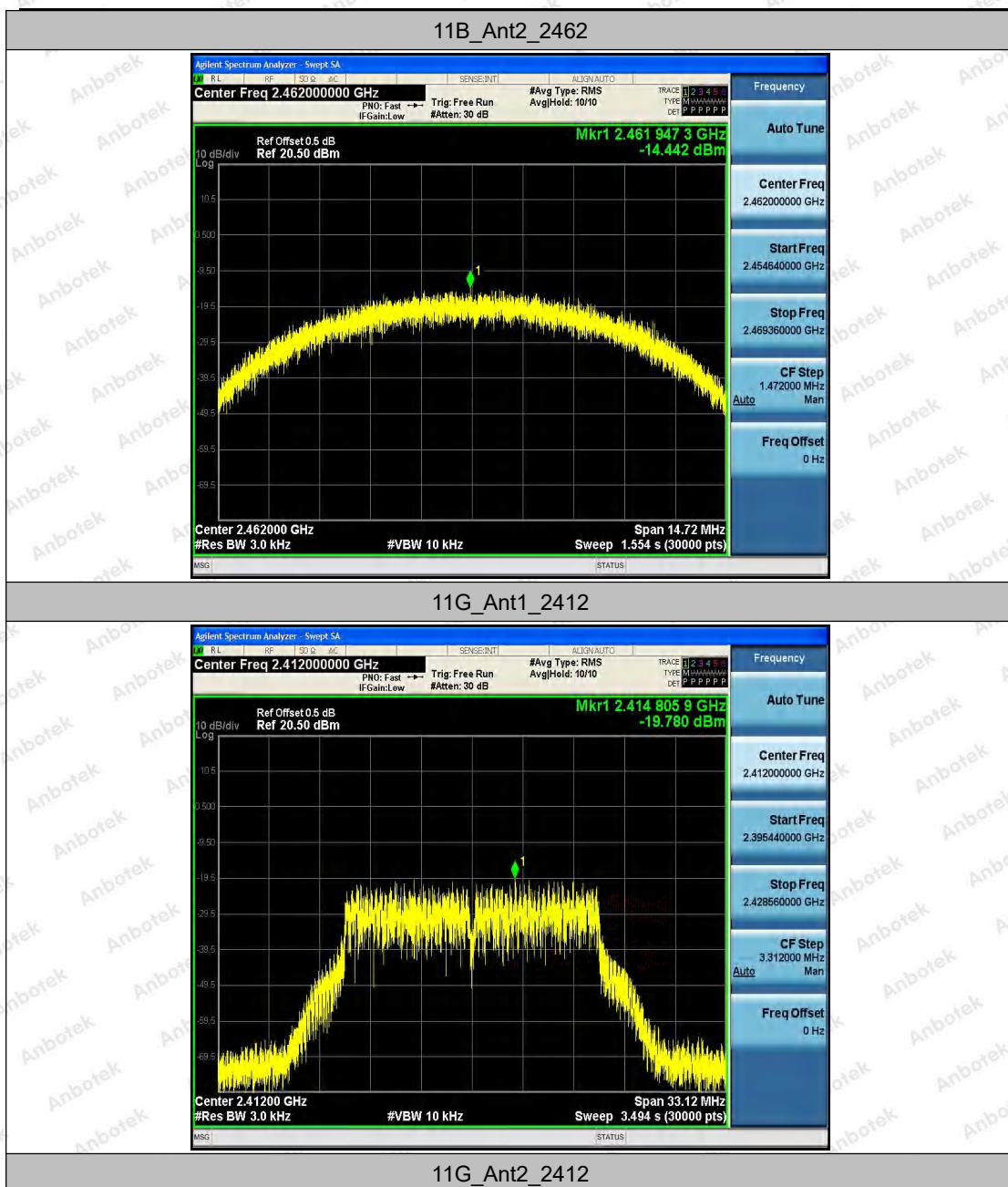
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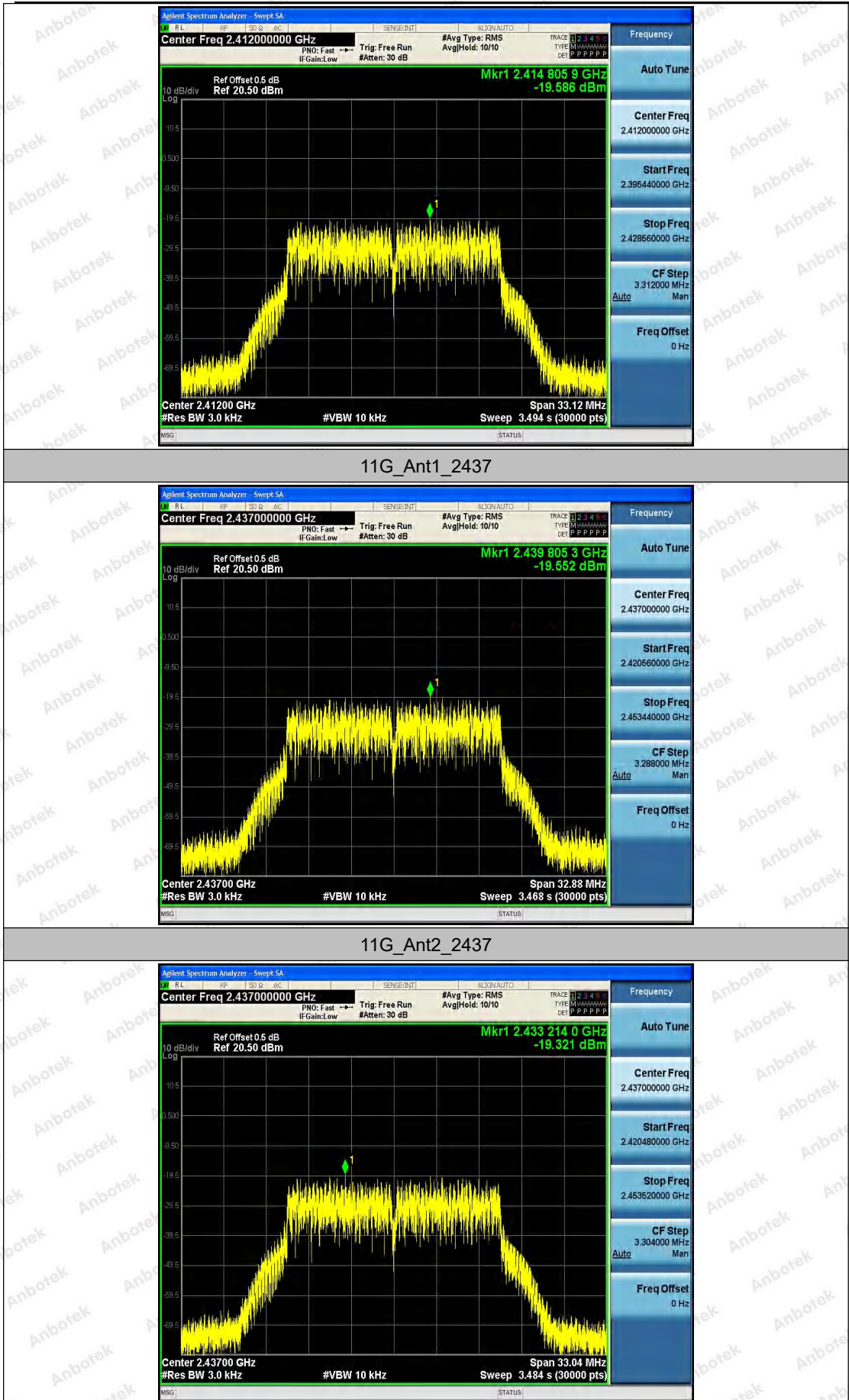


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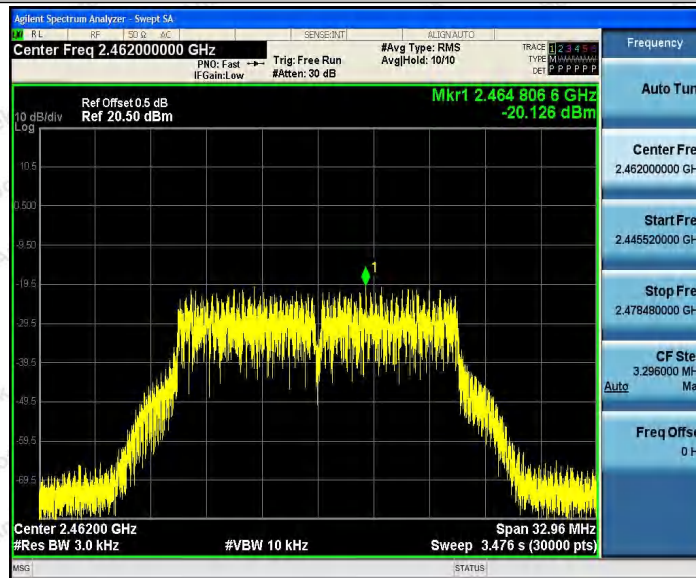


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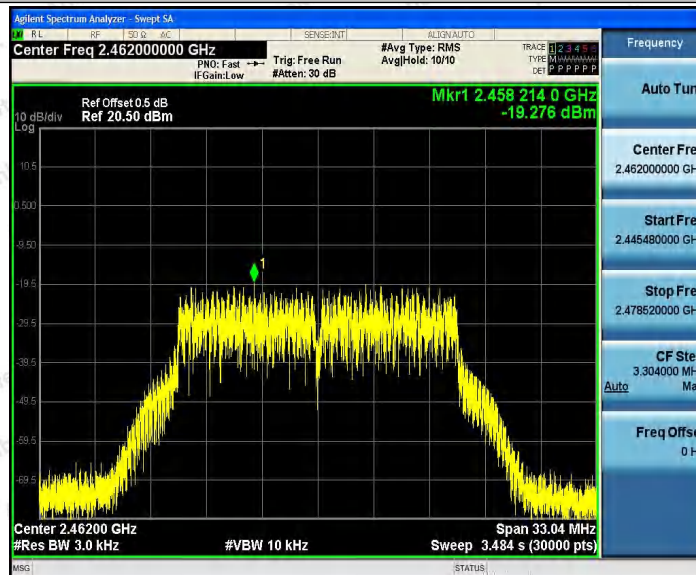
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11G_Ant1_2462



11G_Ant2_2462

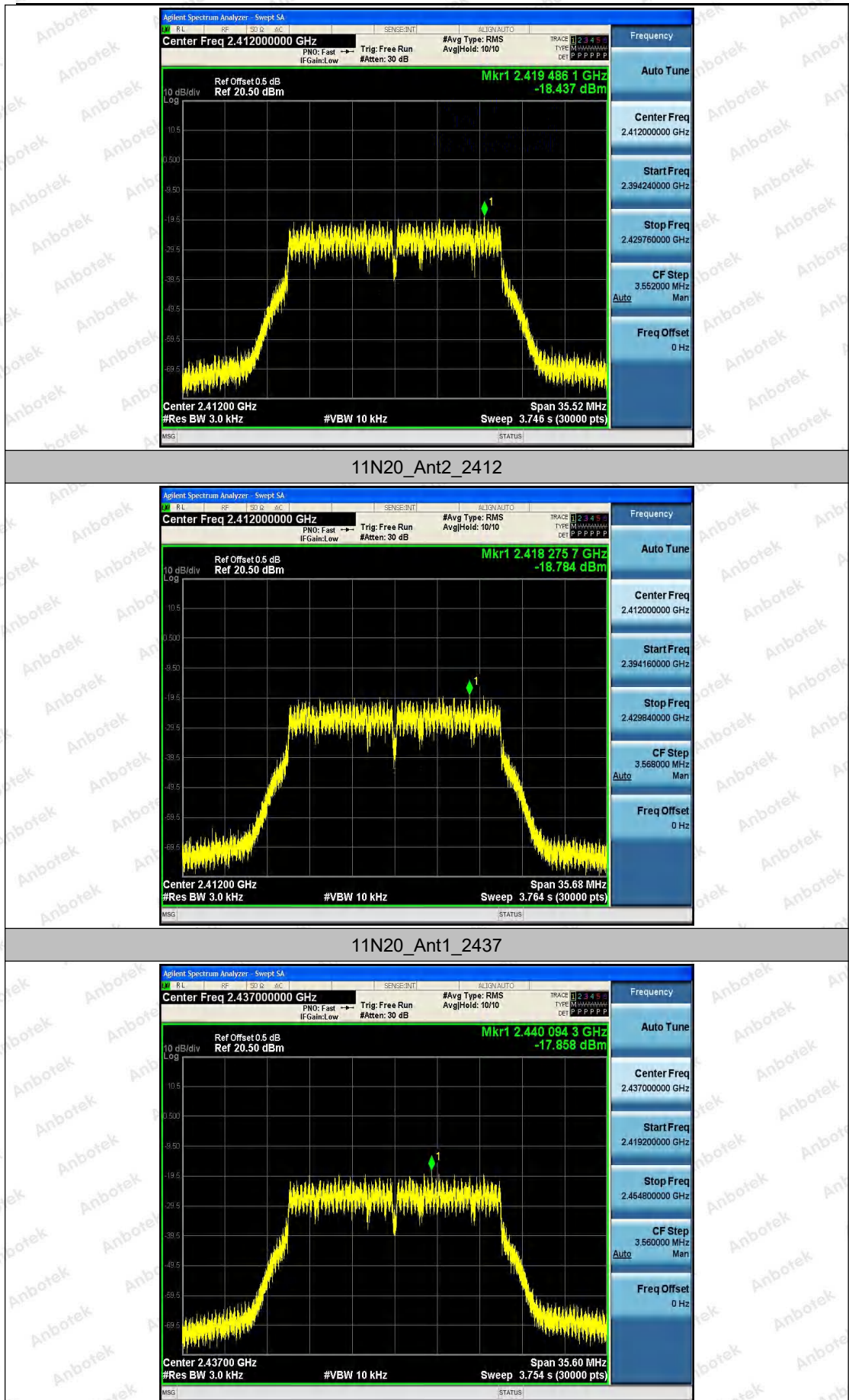


11N20_Ant1_2412

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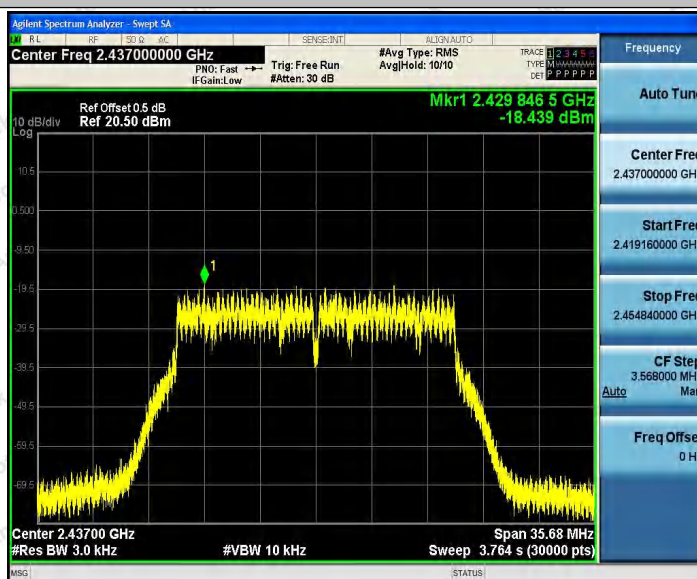
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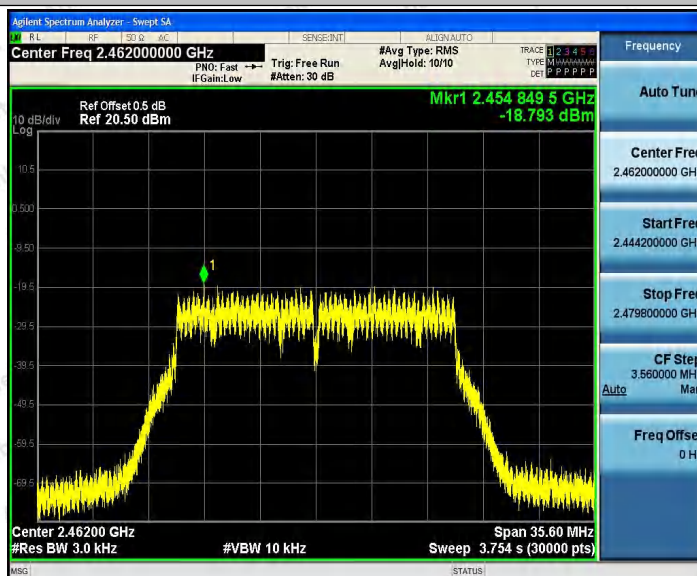
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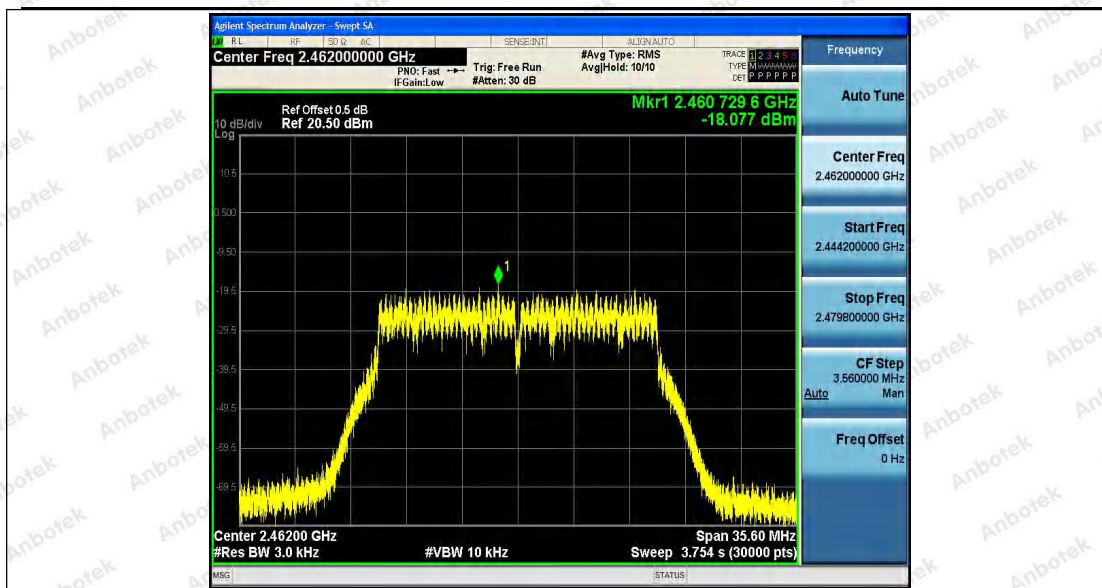
11N20_Ant2_2437



11N20_Ant1_2462



11N20_Ant2_2462



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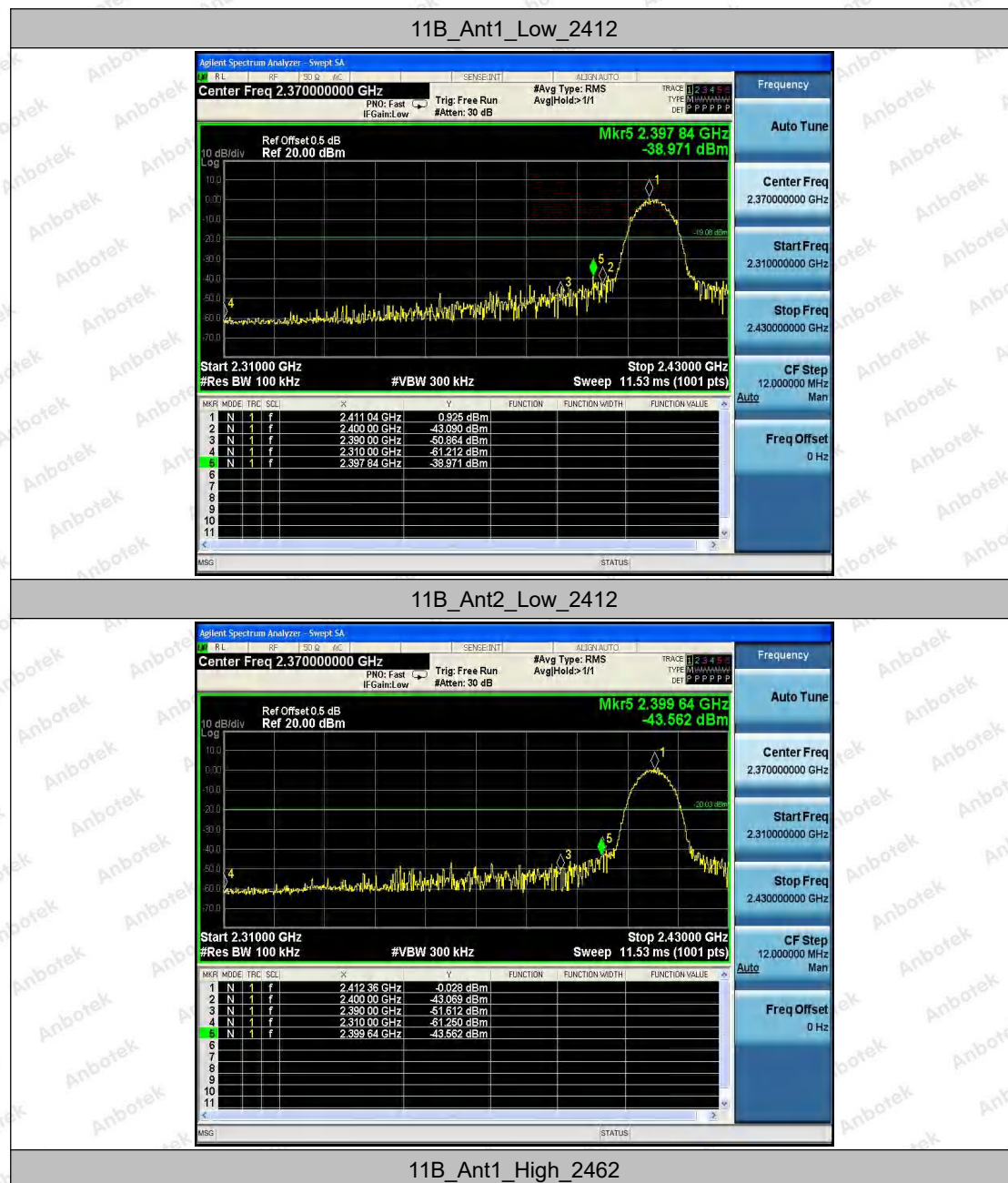
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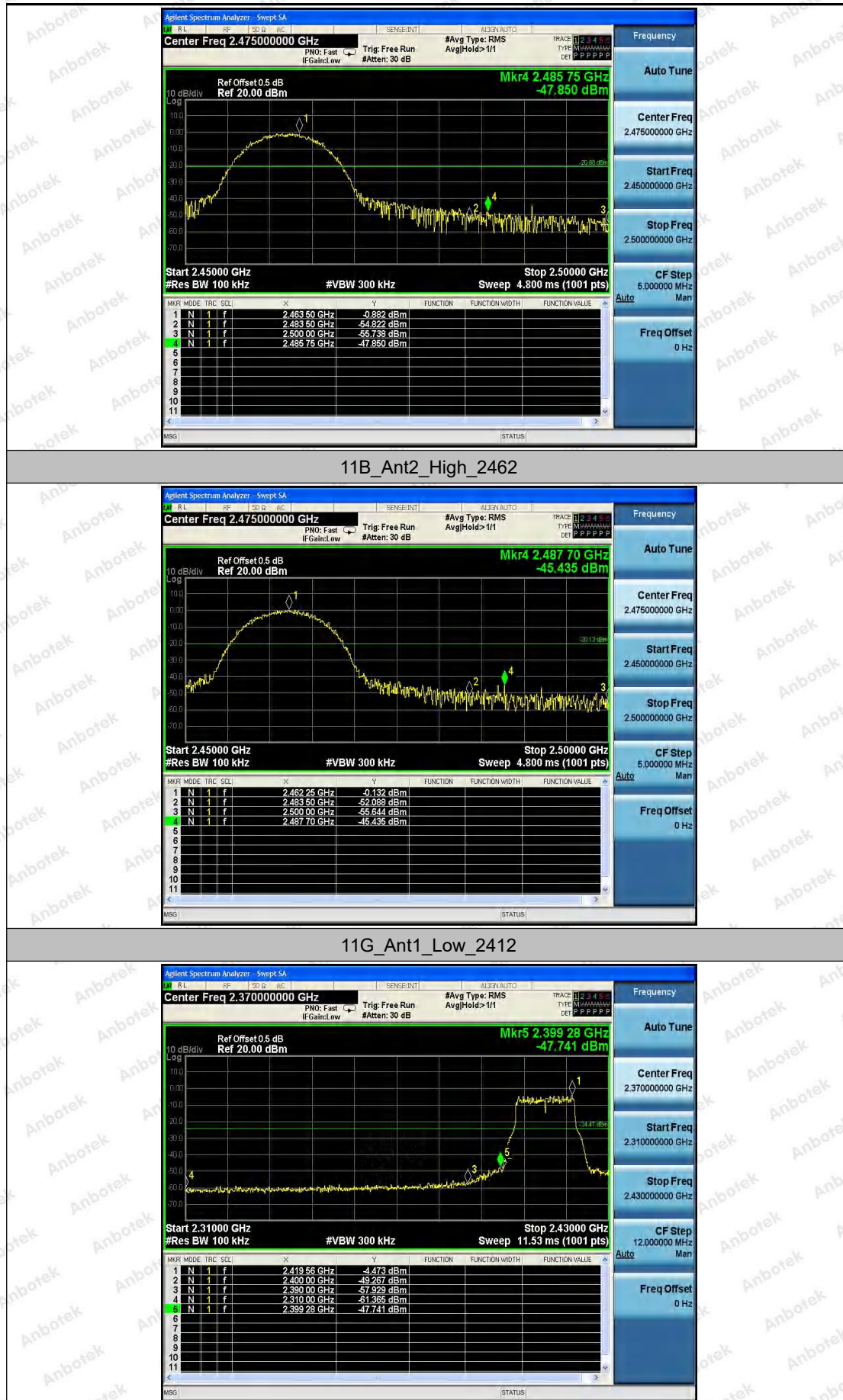
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.93	-38.97	≤-19.08	PASS
	Ant2	Low	2412	-0.03	-43.56	≤-20.03	PASS
	Ant1	High	2462	-0.88	-47.85	≤-20.88	PASS
	Ant2	High	2462	-0.13	-45.44	≤-20.13	PASS
11G	Ant1	Low	2412	-4.47	-47.74	≤-24.47	PASS
	Ant2	Low	2412	-4.41	-47.69	≤-24.41	PASS
	Ant1	High	2462	-4.51	-53.92	≤-24.51	PASS
	Ant2	High	2462	-4.01	-52.84	≤-24.01	PASS
11N20	Ant1	Low	2412	-4.13	-45.63	≤-24.13	PASS
	Ant2	Low	2412	-4.32	-46.2	≤-24.32	PASS
	Ant1	High	2462	-4.48	-53.17	≤-24.48	PASS
	Ant2	High	2462	-4.10	-55.2	≤-24.1	PASS

Test Graphs



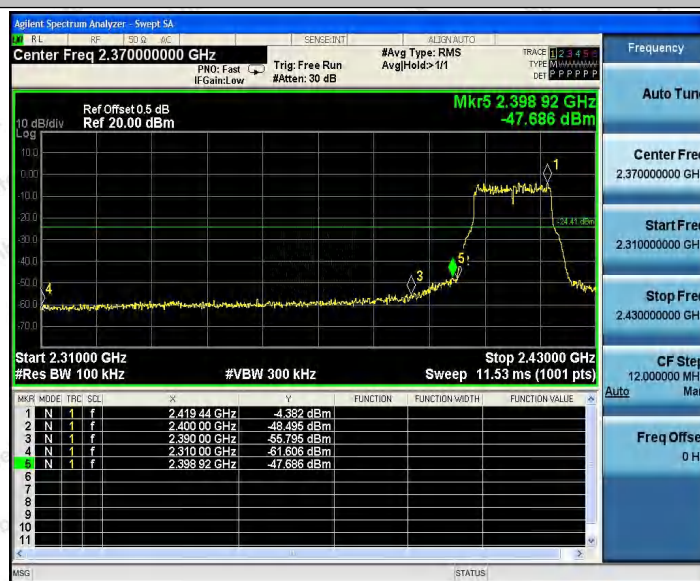


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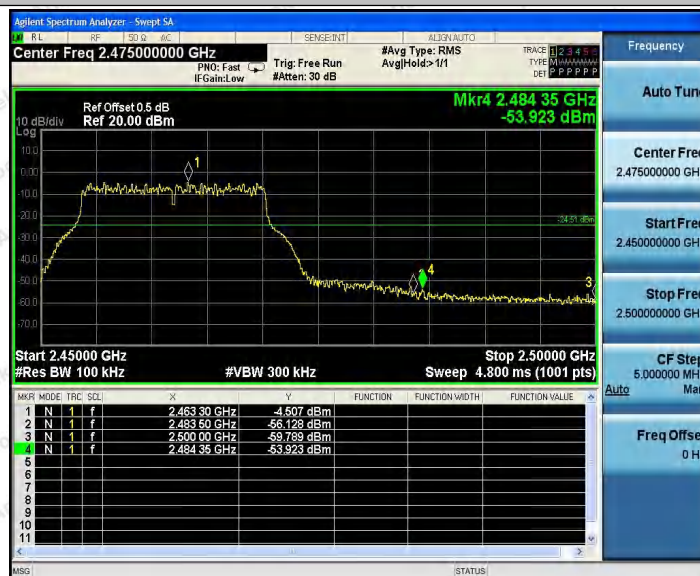
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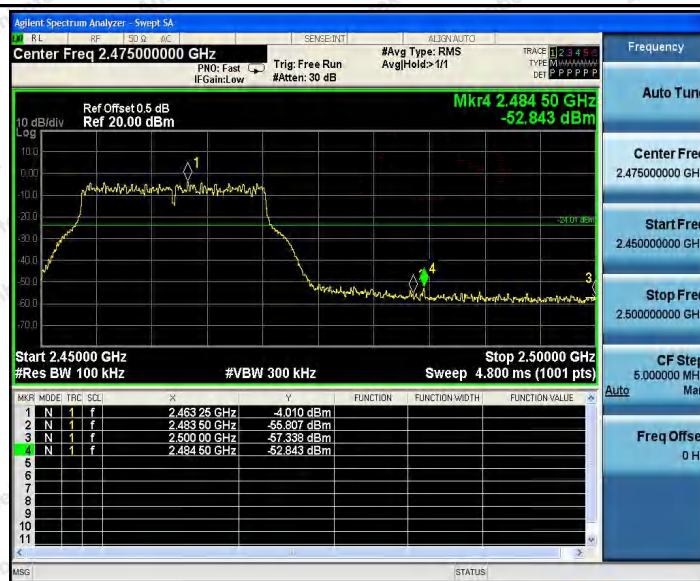
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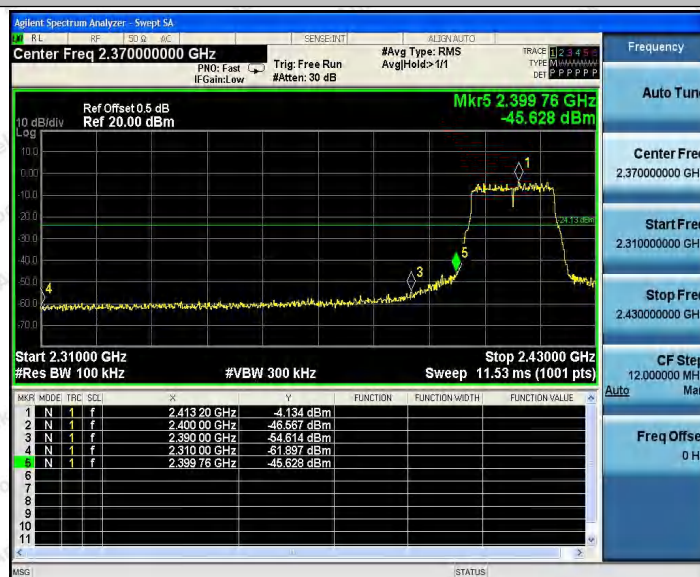
11G_Ant1_High_2462



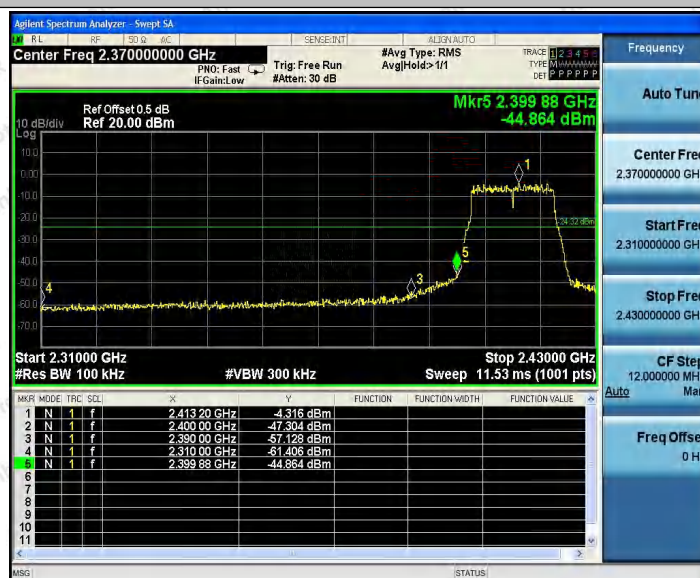
11G_Ant2_High_2462



11N20_Ant1_Low_2412



11N20_Ant2_Low_2412



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