

Appendix Test Data

Report No.:	18220WC10224102	Test Date:	2021.10.18
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
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	10.080	2406.960	2417.040	≥0.5	PASS
	Ant2	2412	9.360	2407.280	2416.640	≥0.5	PASS
	Ant1	2437	9.840	2432.200	2442.040	≥0.5	PASS
	Ant2	2437	9.640	2432.400	2442.040	≥0.5	PASS
	Ant1	2462	9.640	2457.400	2467.040	≥0.5	PASS
	Ant2	2462	9.240	2457.400	2466.640	≥0.5	PASS
11G	Ant1	2412	13.920	2405.640	2419.560	≥0.5	PASS
	Ant2	2412	14.480	2404.440	2418.920	≥0.5	PASS
	Ant1	2437	15.480	2429.080	2444.560	≥0.5	PASS
	Ant2	2437	13.600	2430.960	2444.560	≥0.5	PASS
	Ant1	2462	13.920	2454.400	2468.320	≥0.5	PASS
	Ant2	2462	13.920	2455.640	2469.560	≥0.5	PASS
11N20	Ant1	2412	15.640	2404.160	2419.800	≥0.5	PASS
	Ant2	2412	15.200	2404.400	2419.600	≥0.5	PASS
	Ant1	2437	15.160	2429.400	2444.560	≥0.5	PASS
	Ant2	2437	13.920	2430.640	2444.560	≥0.5	PASS
	Ant1	2462	14.240	2455.680	2469.920	≥0.5	PASS
	Ant2	2462	16.160	2454.400	2470.560	≥0.5	PASS
11N40	Ant1	2422	35.160	2404.420	2439.580	≥0.5	PASS
	Ant2	2422	35.220	2404.360	2439.580	≥0.5	PASS
	Ant1	2437	35.220	2419.420	2454.640	≥0.5	PASS
	Ant2	2437	35.220	2419.420	2454.640	≥0.5	PASS
	Ant1	2452	33.840	2434.540	2468.380	≥0.5	PASS
	Ant2	2452	32.640	2435.620	2468.260	≥0.5	PASS

Test Graphs

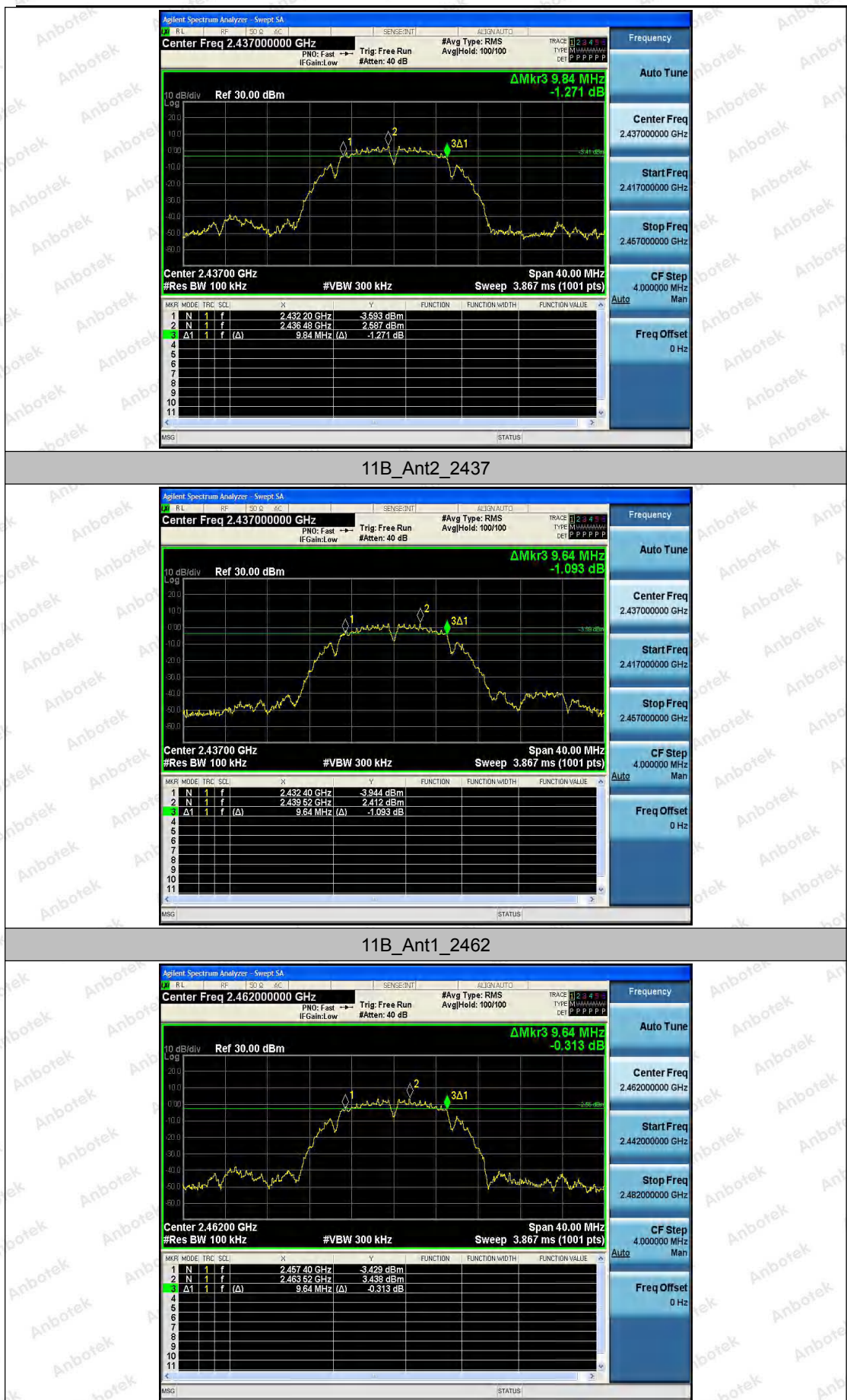
11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



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11B_Ant2_2462



11G_Ant1_2412



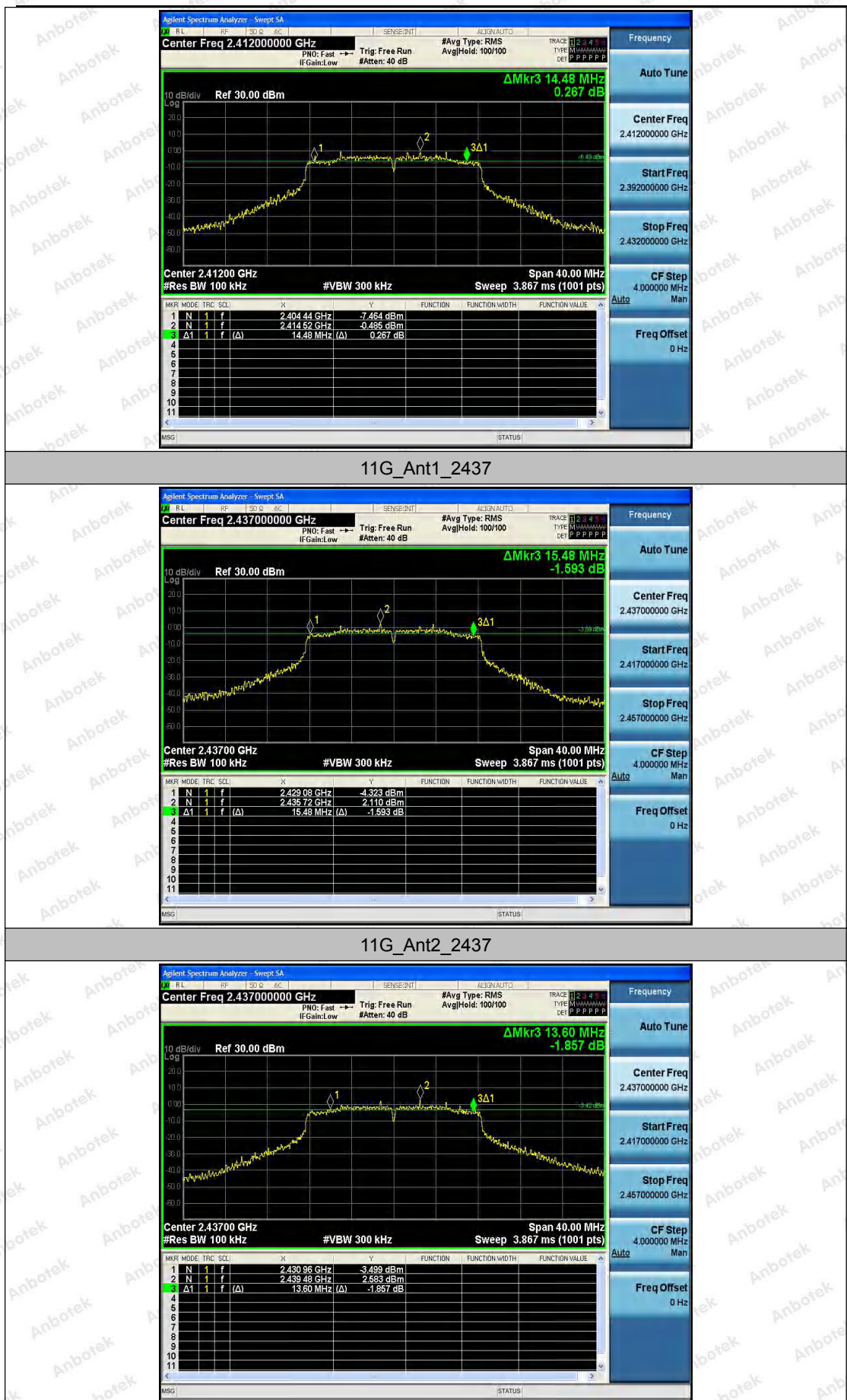
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11G_Ant1_2462



11G_Ant2_2462



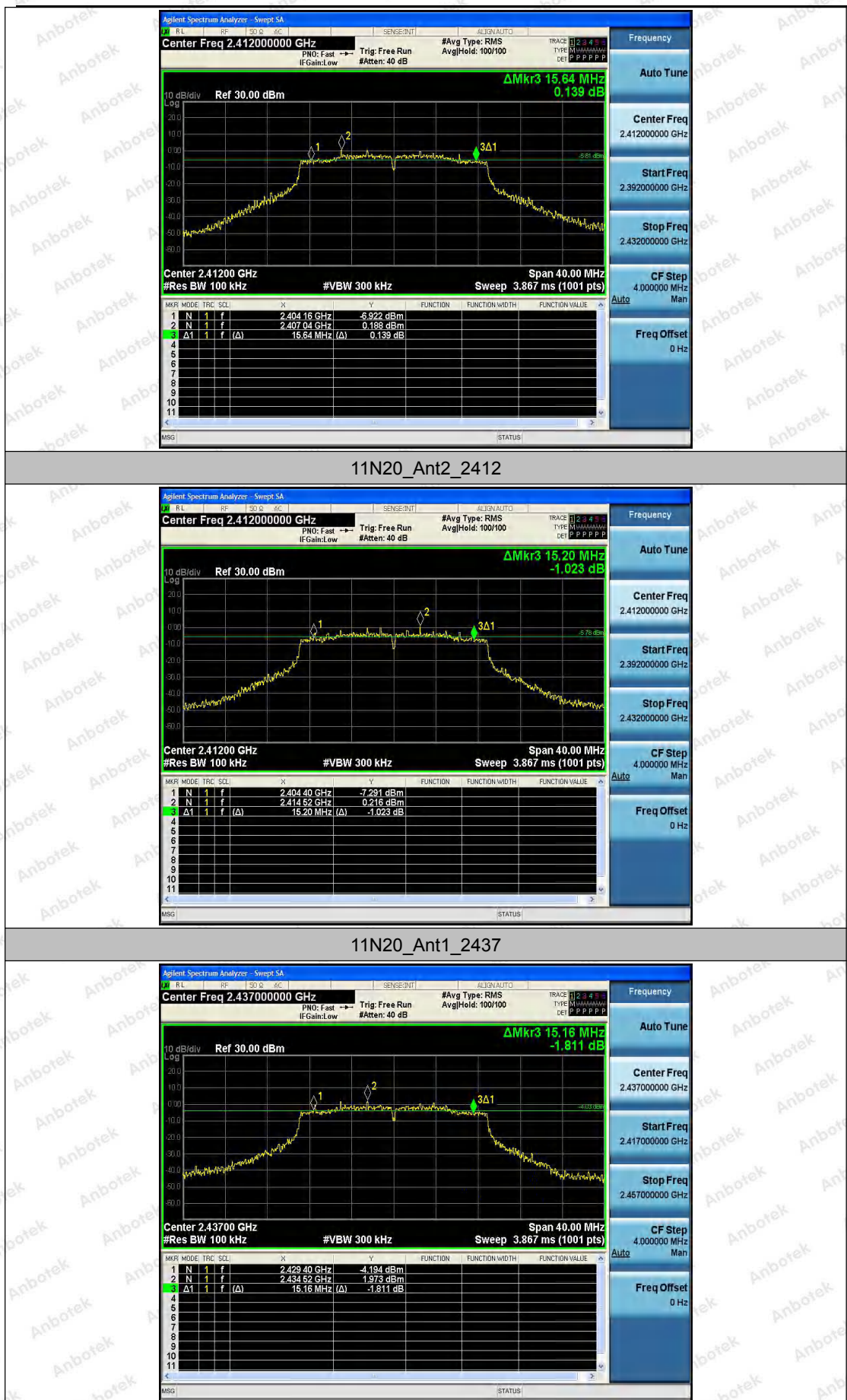
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11N20_Ant2_2437



11N20_Ant1_2462



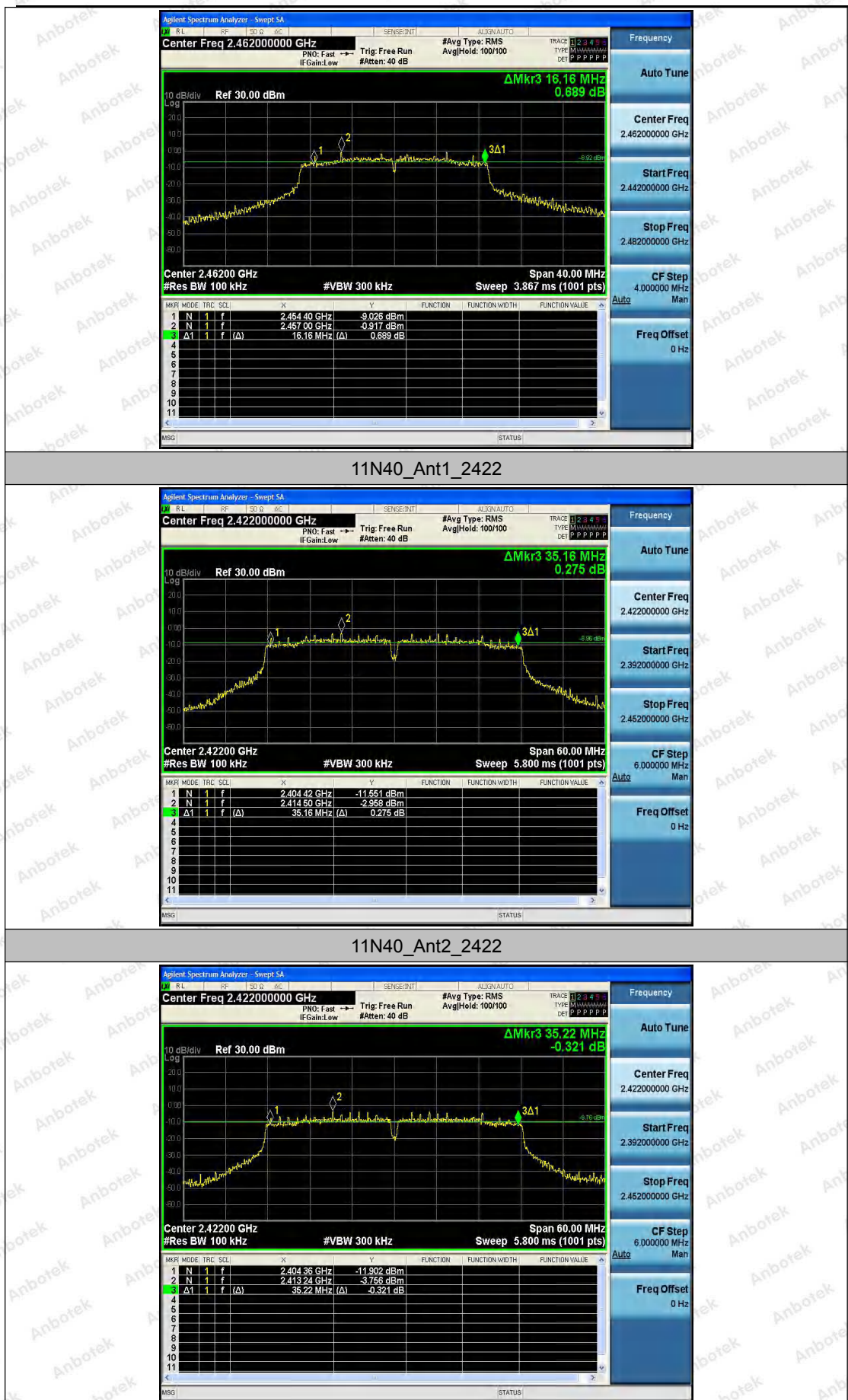
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11N40_Ant1_2437



11N40_Ant2_2437



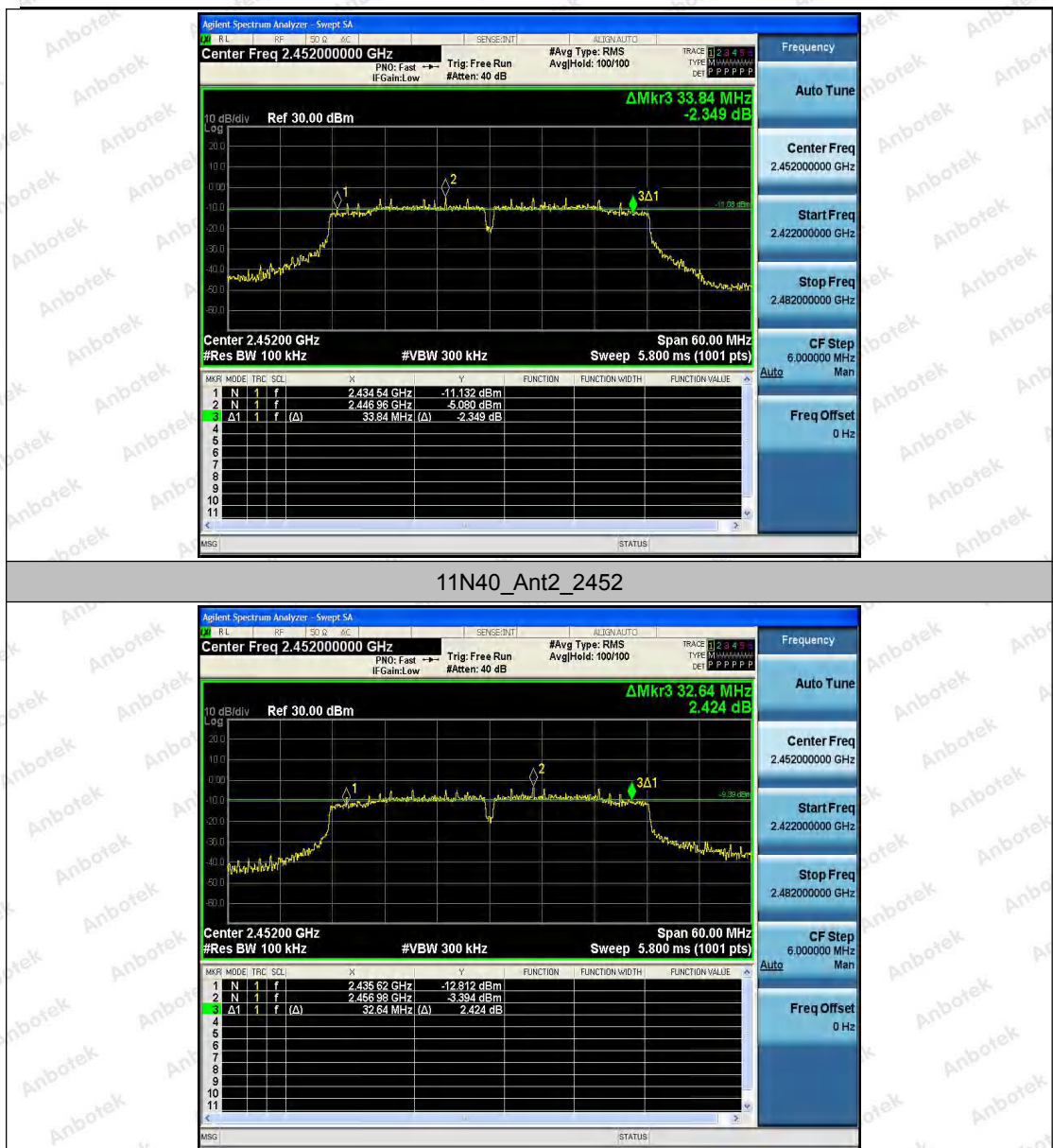
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.748	2405.624	2418.372	---	PASS
	Ant2	2412	12.540	2405.699	2418.239	---	PASS
	Ant1	2437	12.638	2430.646	2443.284	---	PASS
	Ant2	2437	12.679	2430.725	2443.404	---	PASS
	Ant1	2462	12.533	2455.771	2468.304	---	PASS
	Ant2	2462	12.993	2455.608	2468.601	---	PASS
11G	Ant1	2412	16.861	2403.562	2420.423	---	PASS
	Ant2	2412	16.760	2403.621	2420.381	---	PASS
	Ant1	2437	16.736	2428.619	2445.355	---	PASS
	Ant2	2437	16.860	2428.635	2445.495	---	PASS
	Ant1	2462	16.753	2453.670	2470.423	---	PASS
	Ant2	2462	16.969	2453.582	2470.551	---	PASS
11N20	Ant1	2412	17.937	2403.020	2420.957	---	PASS
	Ant2	2412	17.931	2403.016	2420.947	---	PASS
	Ant1	2437	17.863	2428.049	2445.912	---	PASS
	Ant2	2437	18.006	2428.040	2446.046	---	PASS
	Ant1	2462	17.977	2453.056	2471.033	---	PASS
	Ant2	2462	18.092	2453.019	2471.111	---	PASS
11N40	Ant1	2422	36.085	2403.916	2440.001	---	PASS
	Ant2	2422	36.136	2403.955	2440.091	---	PASS
	Ant1	2437	36.135	2418.900	2455.035	---	PASS
	Ant2	2437	36.143	2419.008	2455.151	---	PASS
	Ant1	2452	36.168	2433.922	2470.090	---	PASS
	Ant2	2452	36.154	2434.060	2470.214	---	PASS

Test Graphs

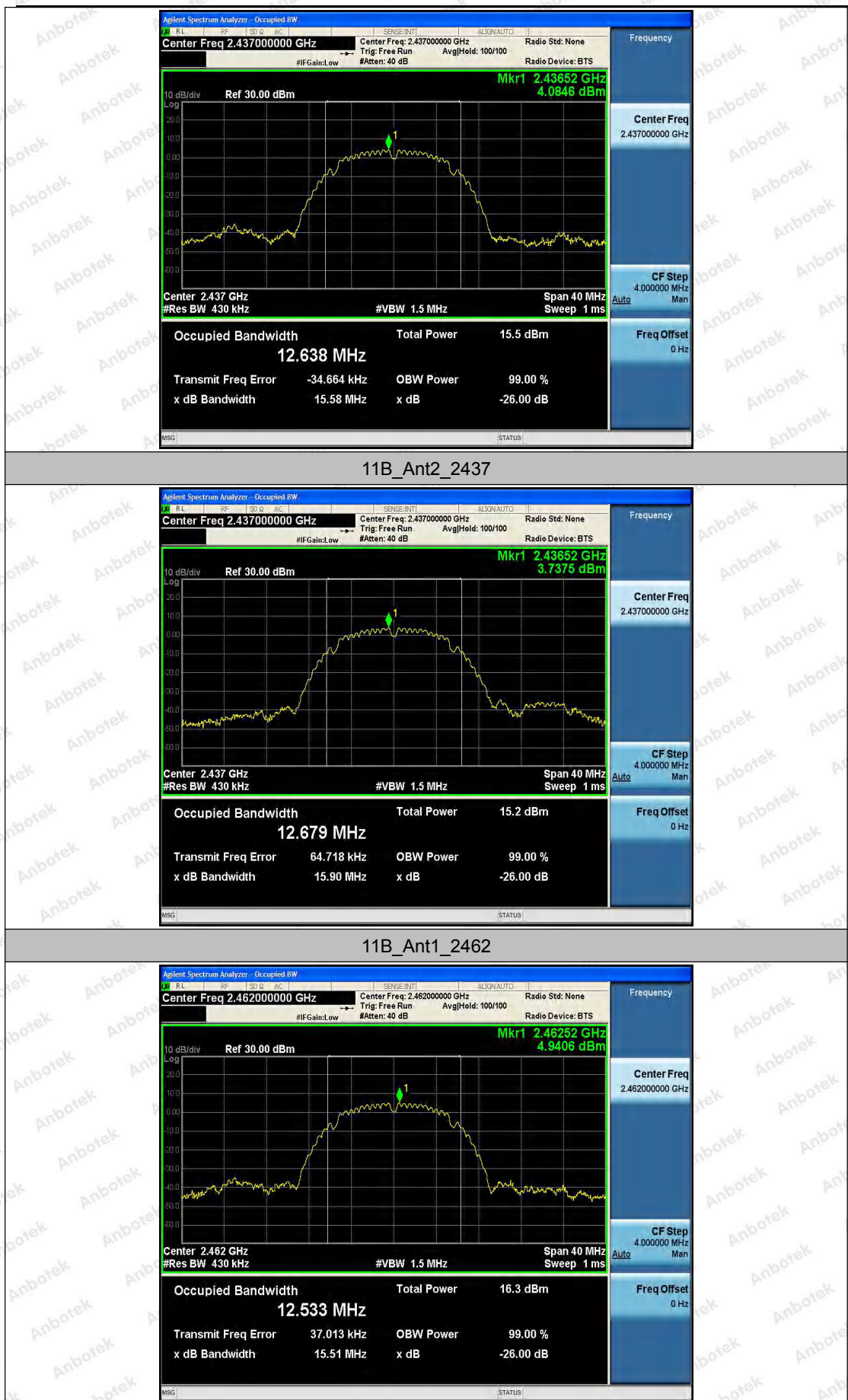


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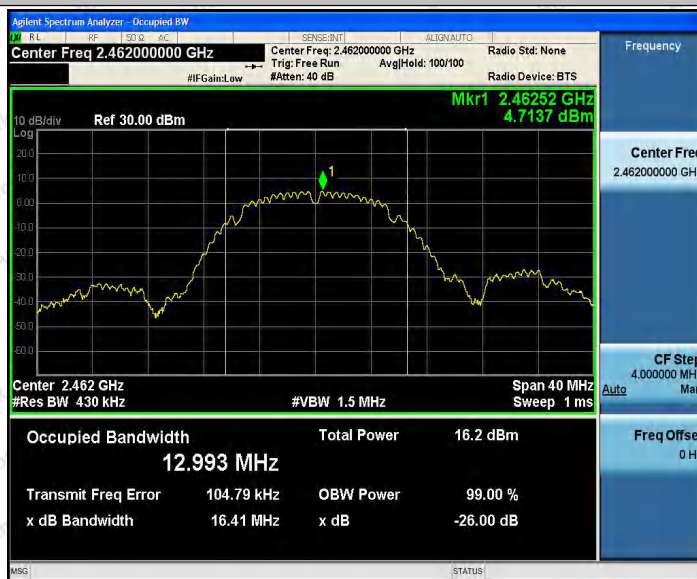
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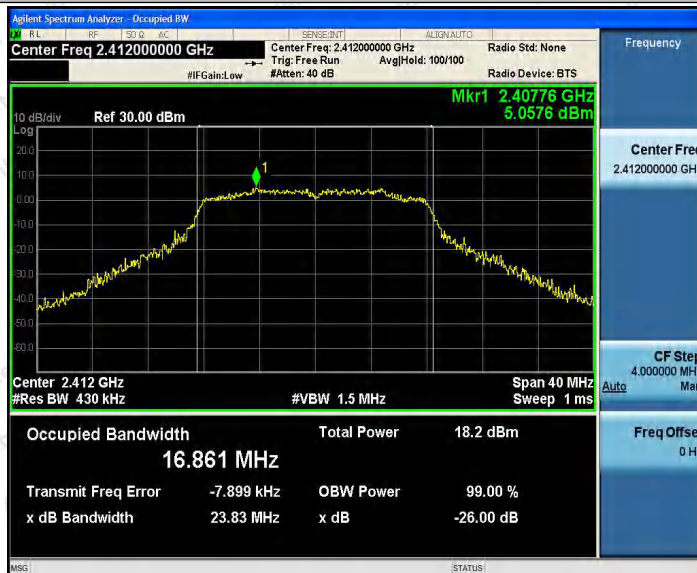
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11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412

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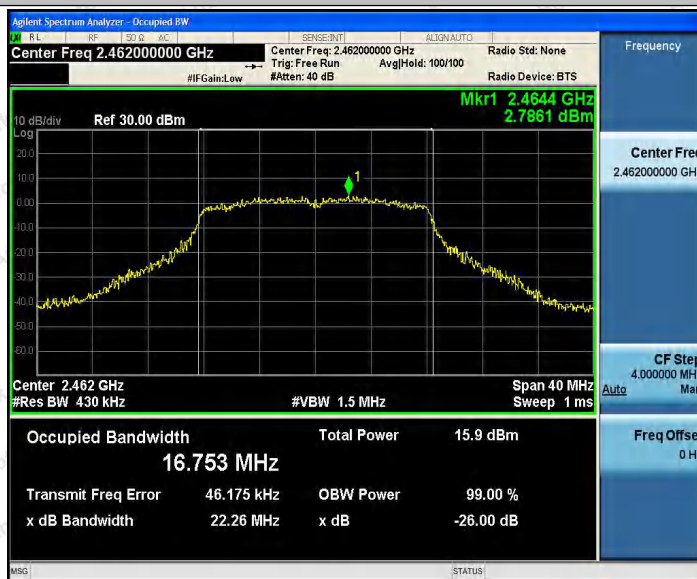


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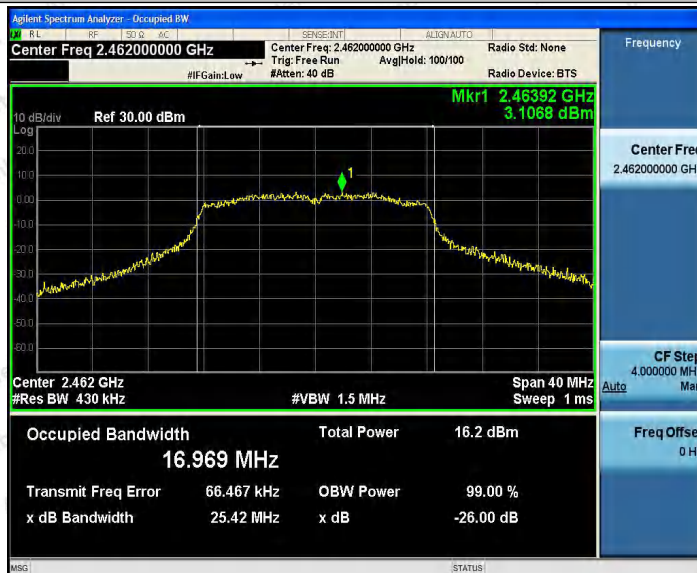
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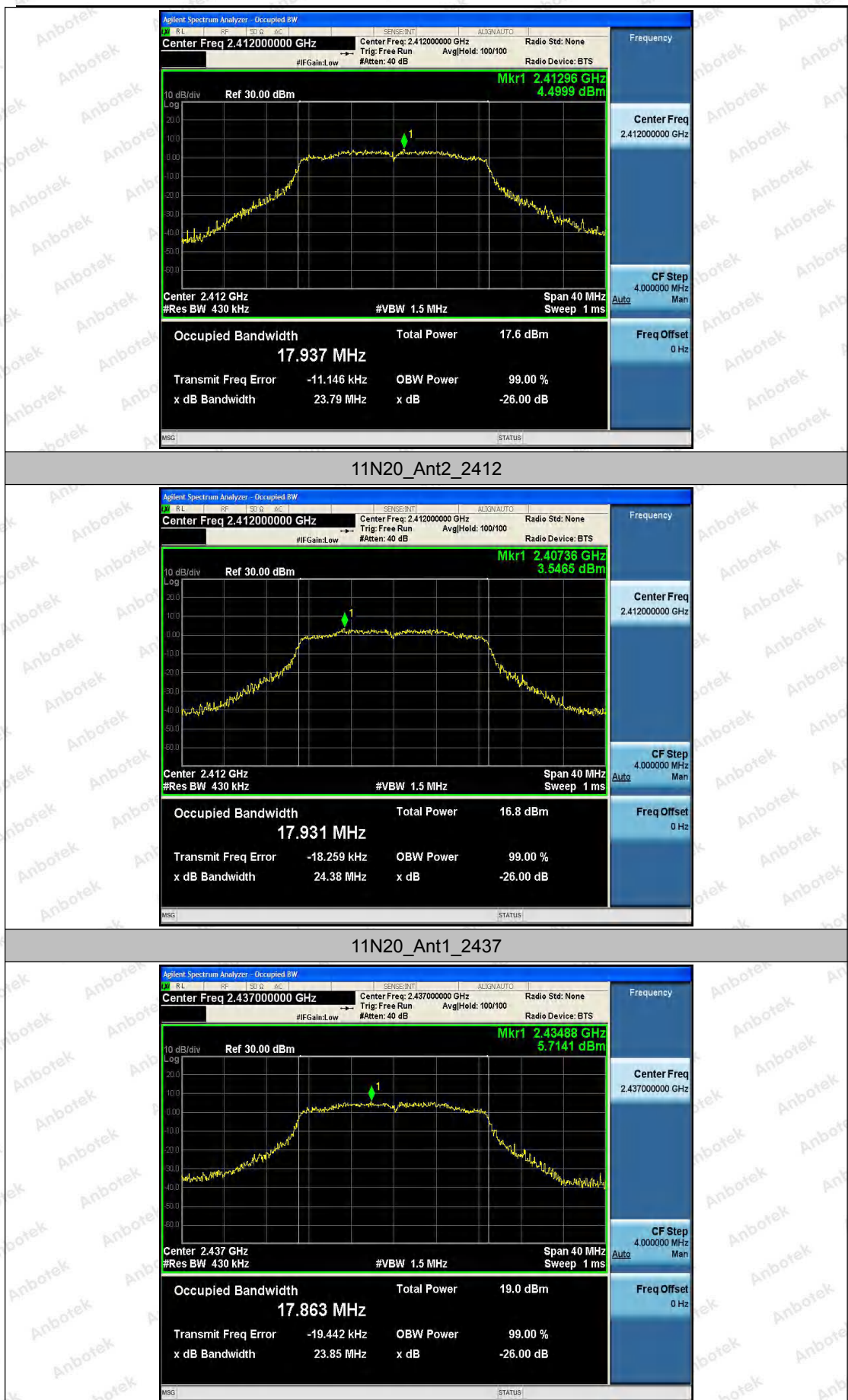
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11G_Ant2_2462



11N20_Ant1_2412



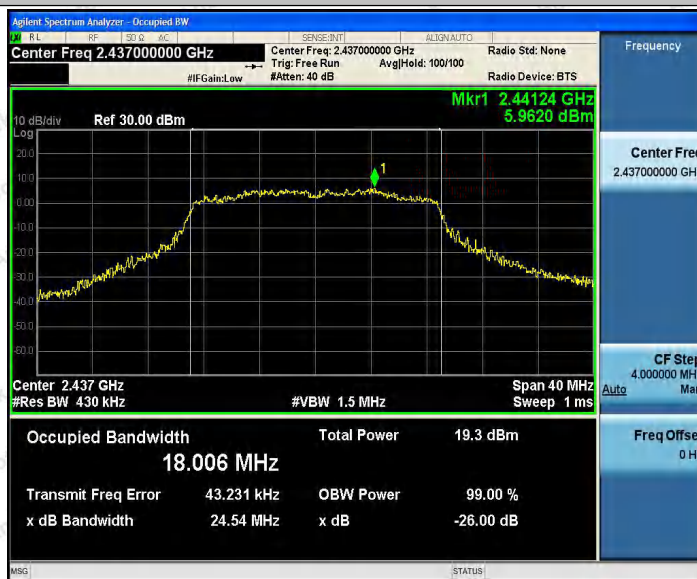
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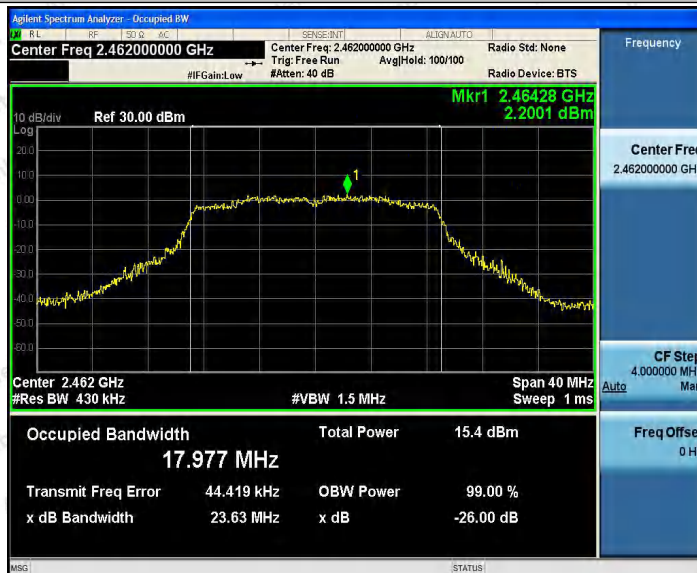
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11N20_Ant2_2437



11N20_Ant1_2462



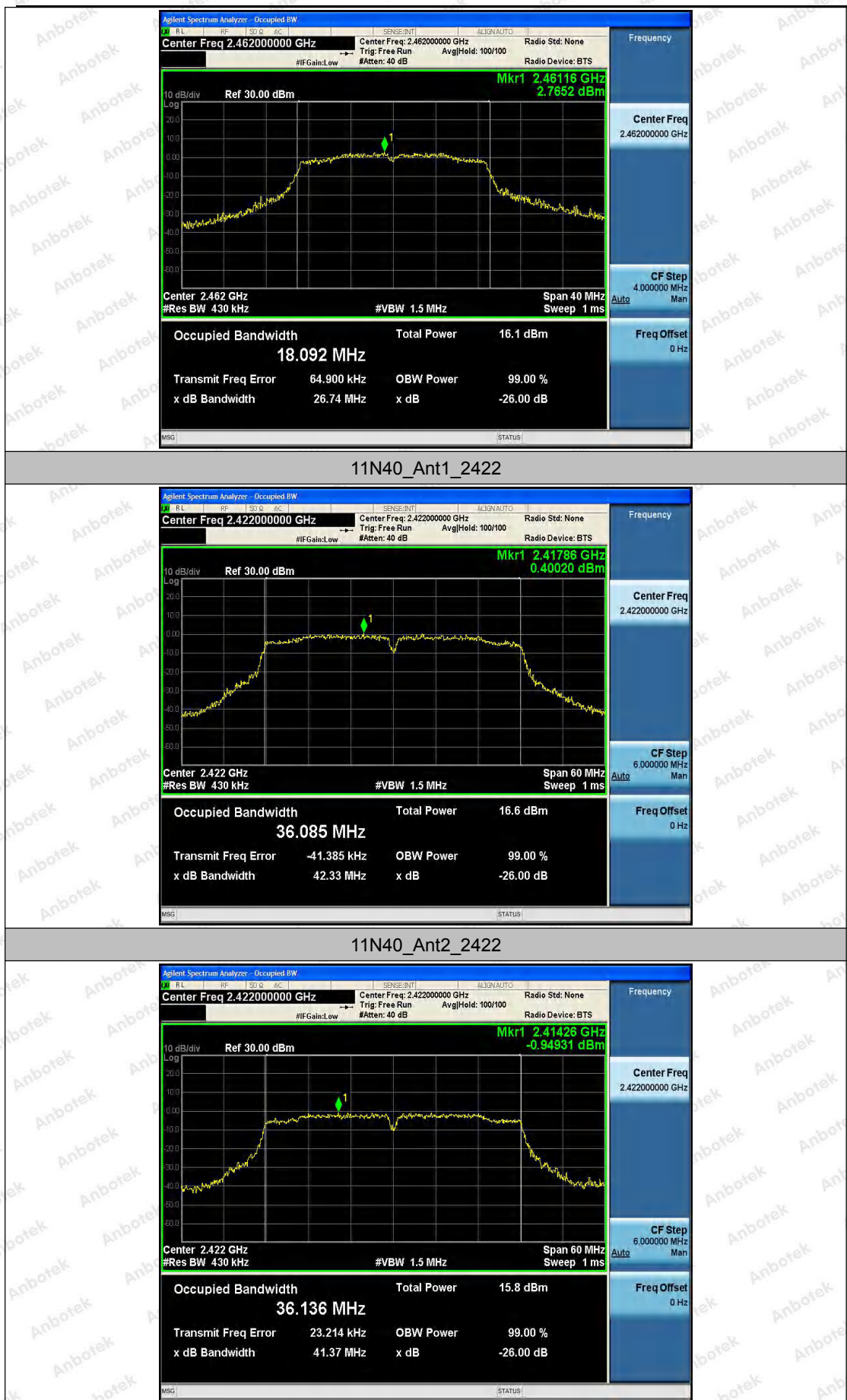
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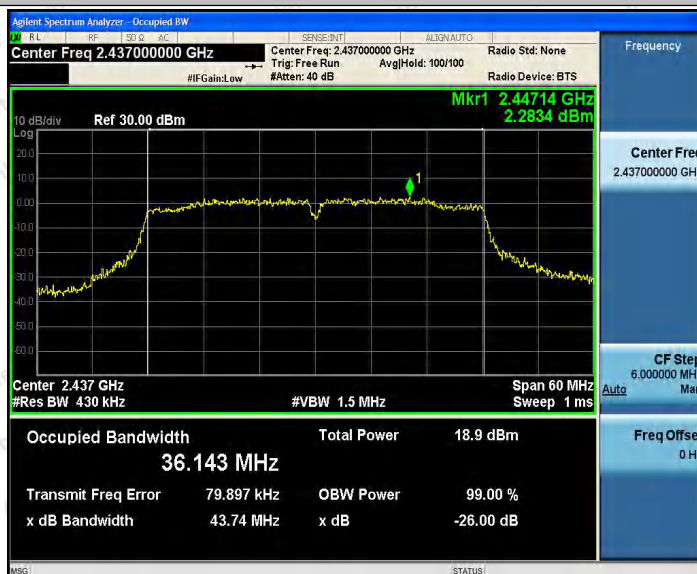
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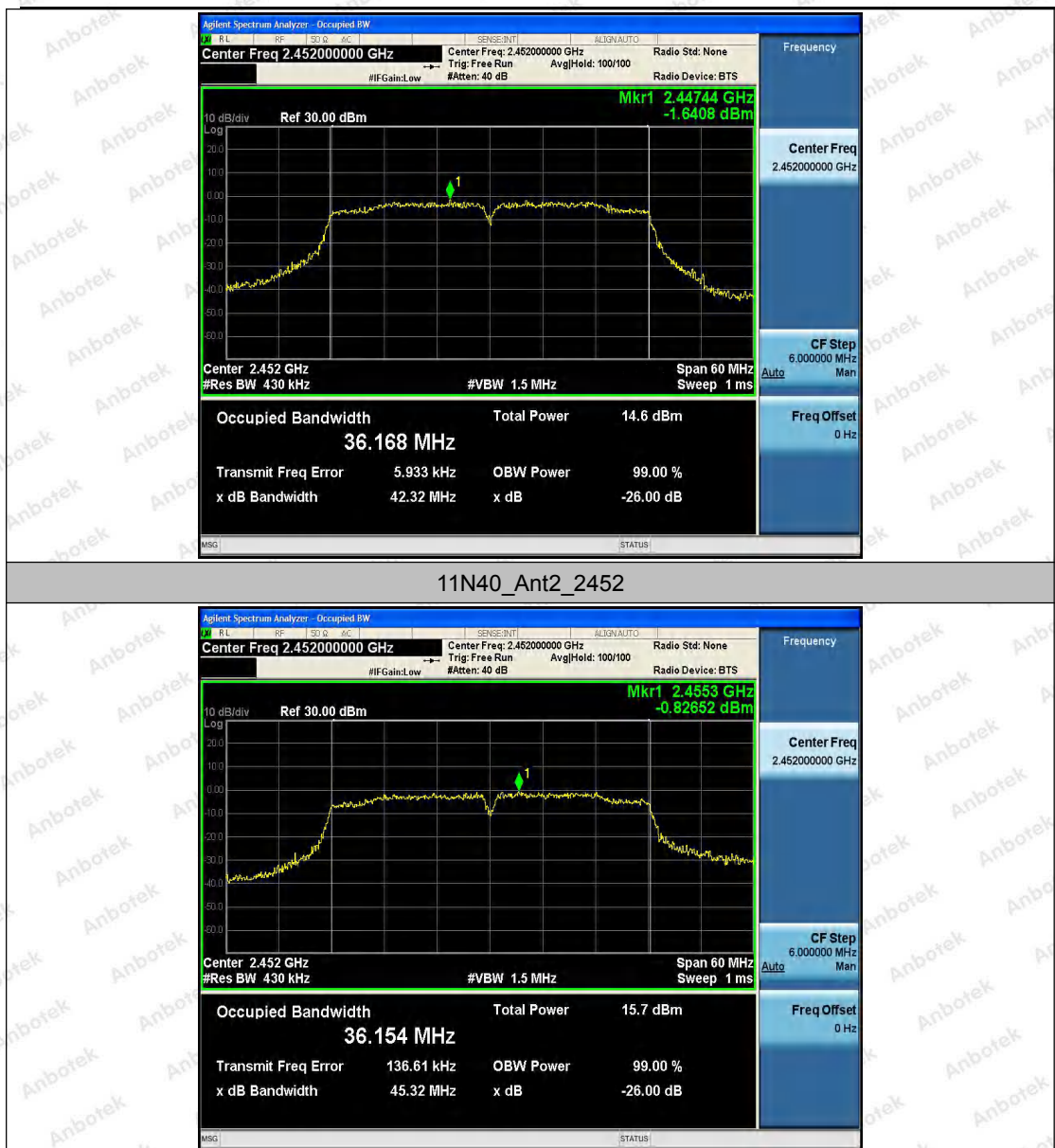
11N40_Ant1_2437



11N40_Ant2_2437



11N40_Ant1_2452



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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.28	≤30	PASS
	Ant2	2412	15.51	≤30	PASS
	Ant1	2437	15.52	≤30	PASS
	Ant2	2437	15.20	≤30	PASS
	Ant1	2462	16.31	≤30	PASS
	Ant2	2462	16.21	≤30	PASS
11G	Ant1	2412	19.26	≤30	PASS
	Ant2	2412	17.81	≤30	PASS
	Ant1	2437	20.53	≤30	PASS
	Ant2	2437	20.34	≤30	PASS
	Ant1	2462	17.07	≤30	PASS
	Ant2	2462	17.28	≤30	PASS
11N20	Ant1	2412	18.76	≤30	PASS
	Ant2	2412	17.89	≤30	PASS
	Ant1	2437	20.06	≤30	PASS
	Ant2	2437	20.25	≤30	PASS
	Ant1	2462	16.55	≤30	PASS
	Ant2	2462	17.24	≤30	PASS
11N40	Ant1	2422	15.76	≤30	PASS
	Ant2	2422	14.85	≤30	PASS
	Ant1	2437	18.04	≤30	PASS
	Ant2	2437	18.00	≤30	PASS
	Ant1	2452	13.66	≤30	PASS
	Ant2	2452	14.74	≤30	PASS

MIMO

Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20	2412	21.357	≤30	PASS
	2437	23.166	≤30	PASS
	2462	19.919	≤30	PASS
11N40	2422	18.339	≤30	PASS
	2437	21.030	≤30	PASS
	2452	17.244	≤30	PASS

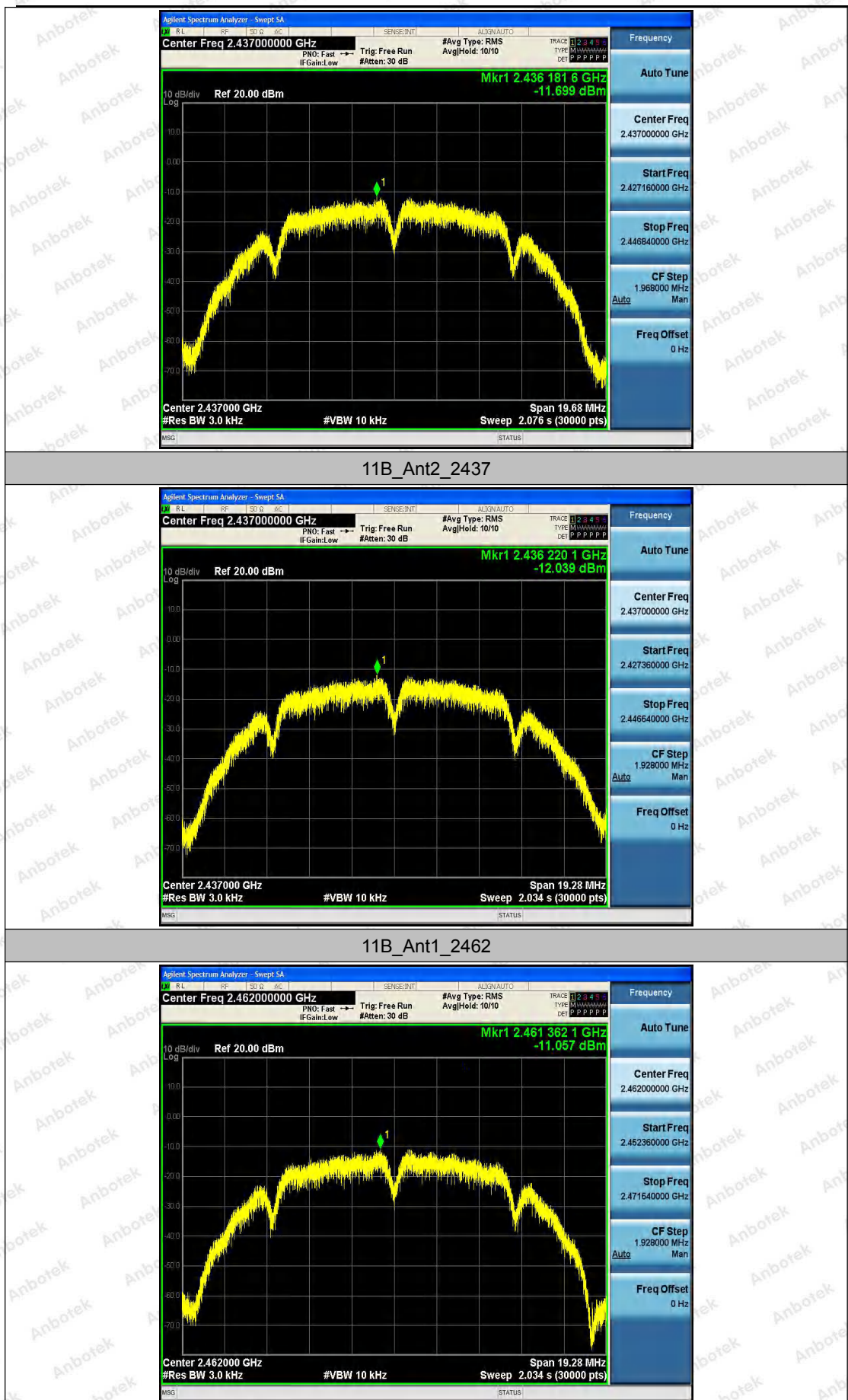
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.99	≤8	PASS
	Ant2	2412	-11.97	≤8	PASS
	Ant1	2437	-11.7	≤8	PASS
	Ant2	2437	-12.04	≤8	PASS
	Ant1	2462	-11.06	≤8	PASS
	Ant2	2462	-10.96	≤8	PASS
11G	Ant1	2412	-11.68	≤8	PASS
	Ant2	2412	-14.24	≤8	PASS
	Ant1	2437	-10.99	≤8	PASS
	Ant2	2437	-11.09	≤8	PASS
	Ant1	2462	-15.32	≤8	PASS
	Ant2	2462	-14.89	≤8	PASS
11N20	Ant1	2412	-13.15	≤8	PASS
	Ant2	2412	-14.42	≤8	PASS
	Ant1	2437	-12.14	≤8	PASS
	Ant2	2437	-11.5	≤8	PASS
	Ant1	2462	-14.66	≤8	PASS
	Ant2	2462	-13.51	≤8	PASS
11N40	Ant1	2422	-17.13	≤8	PASS
	Ant2	2422	-17.41	≤8	PASS
	Ant1	2437	-15.13	≤8	PASS
	Ant2	2437	-14.09	≤8	PASS
	Ant1	2452	-20.11	≤8	PASS
	Ant2	2452	-17.53	≤8	PASS

MIMO

TestMode	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20	2412	-10.728	≤8	PASS
	2437	-8.798	≤8	PASS
	2462	-11.037	≤8	PASS
11N40	2422	-14.257	≤8	PASS
	2437	-11.569	≤8	PASS
	2452	-15.621	≤8	PASS

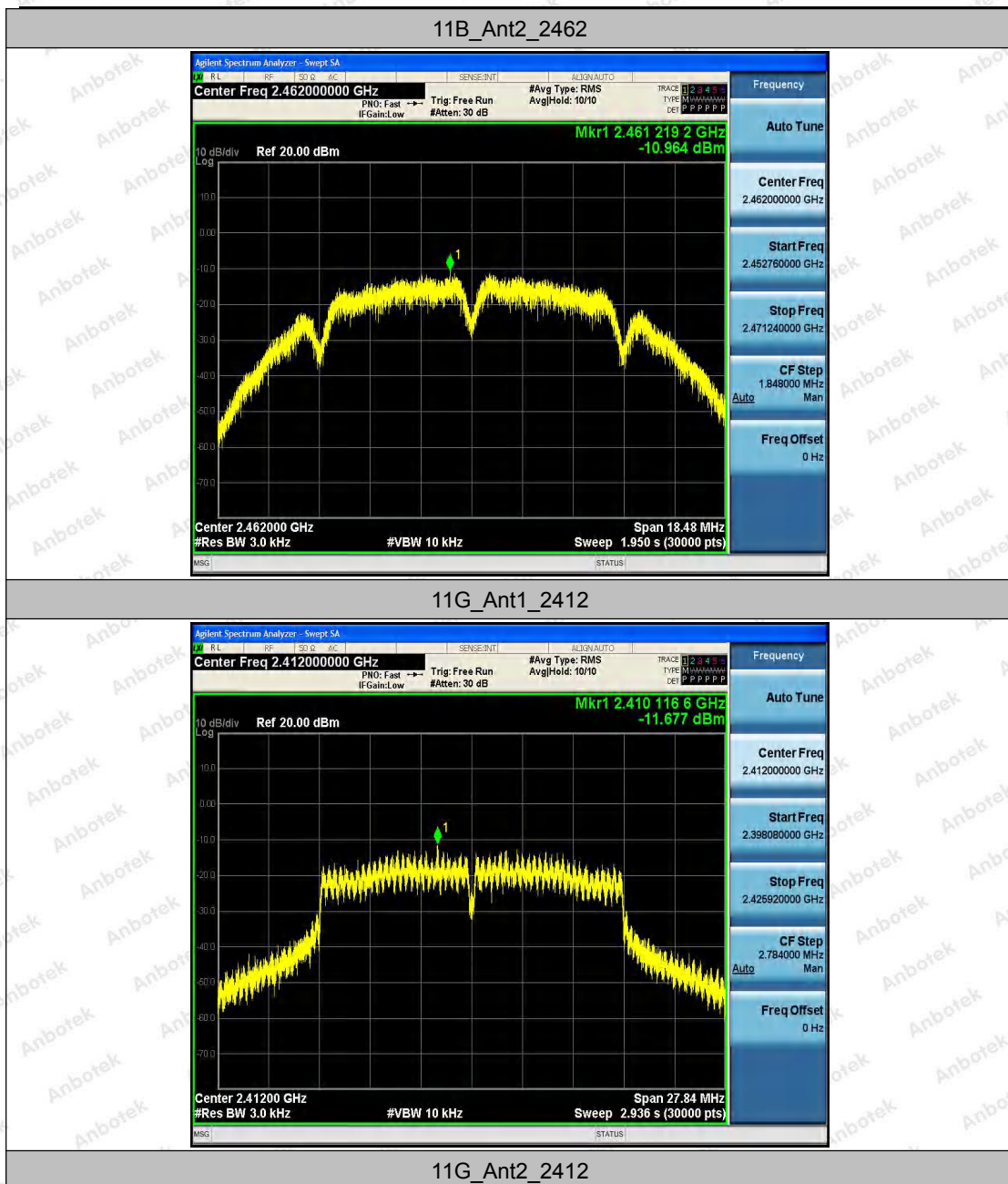


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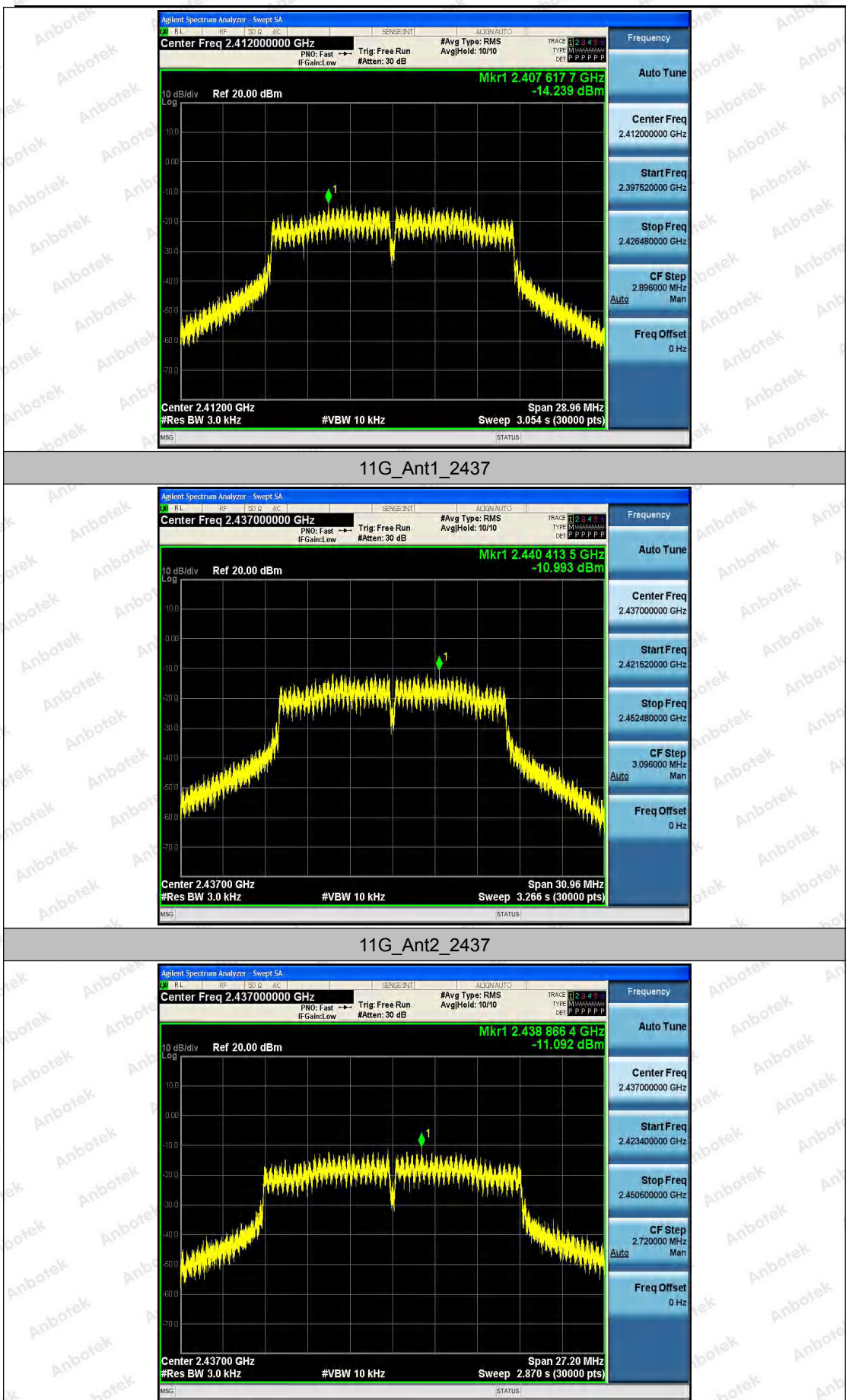


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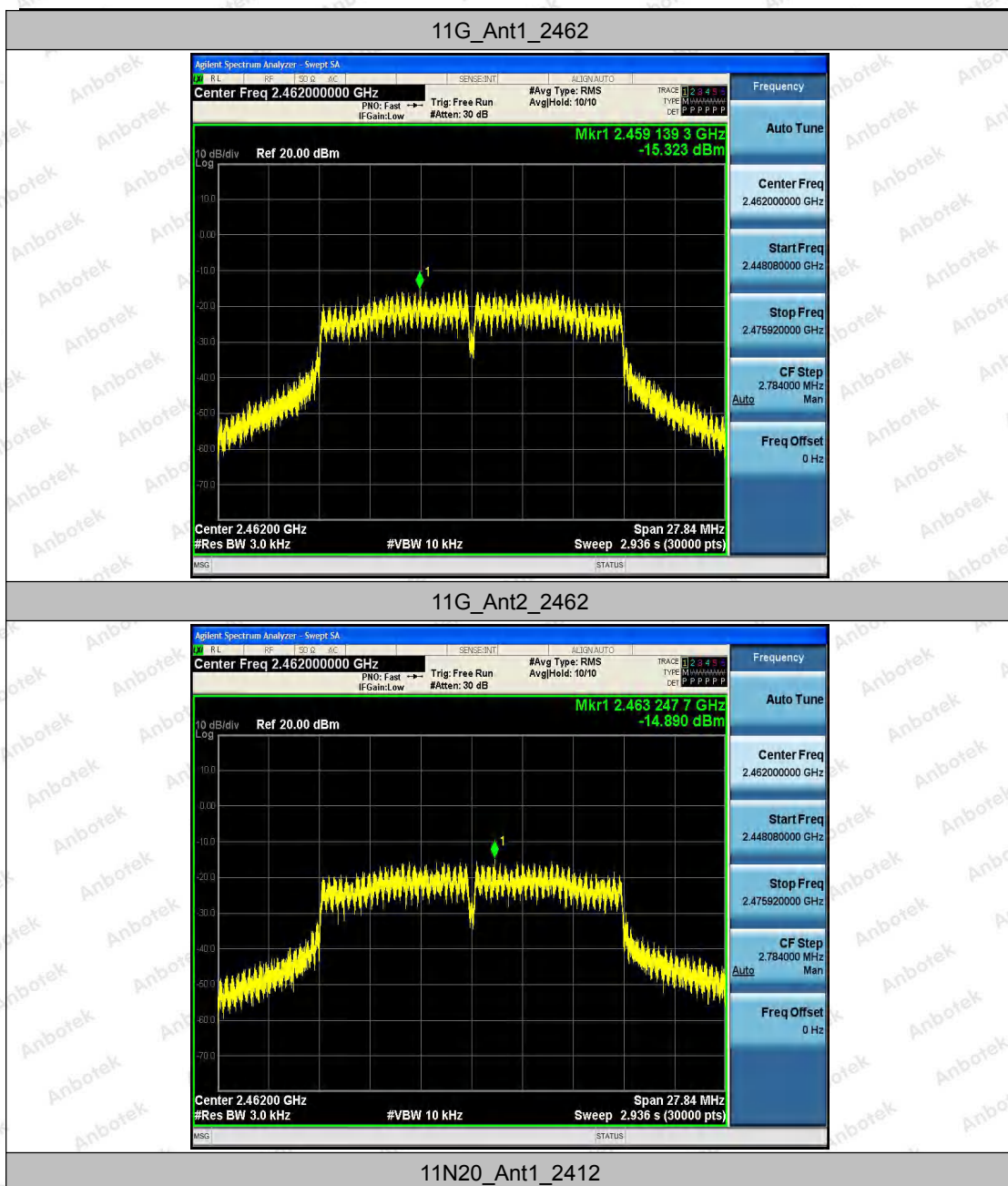


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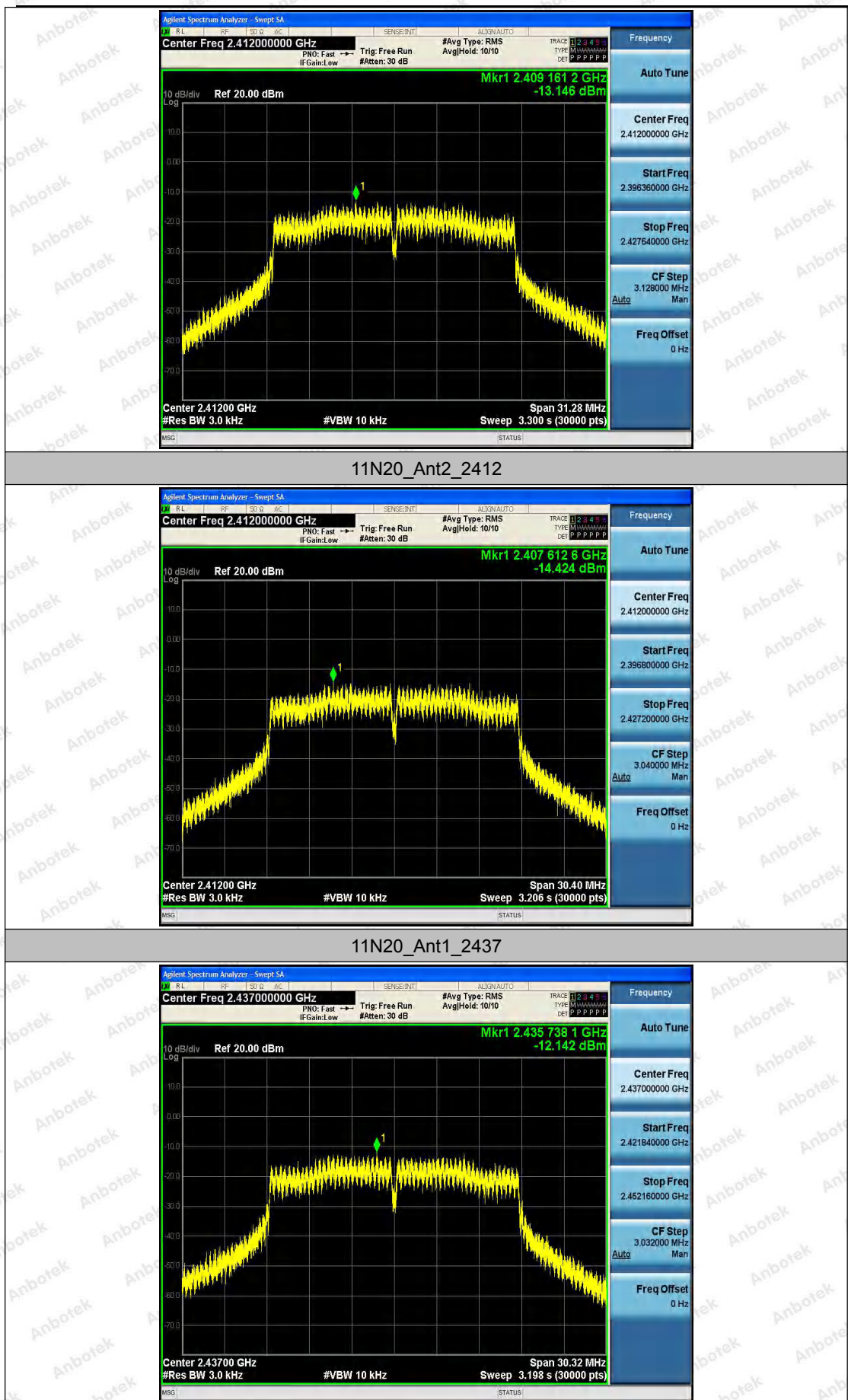


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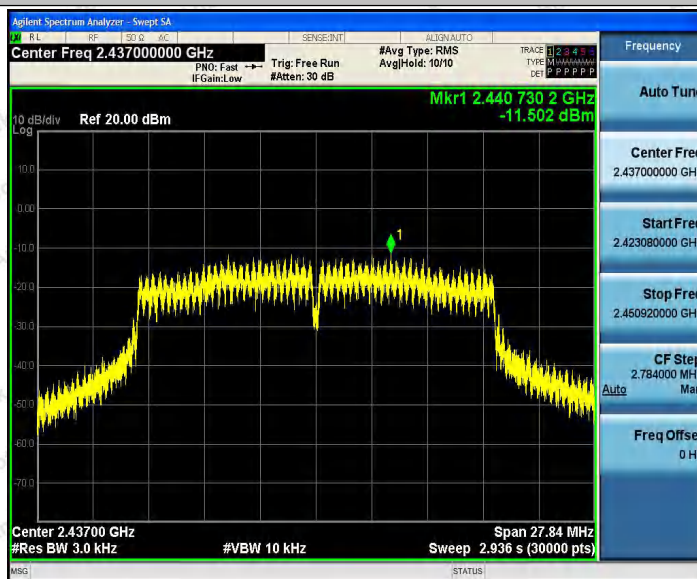
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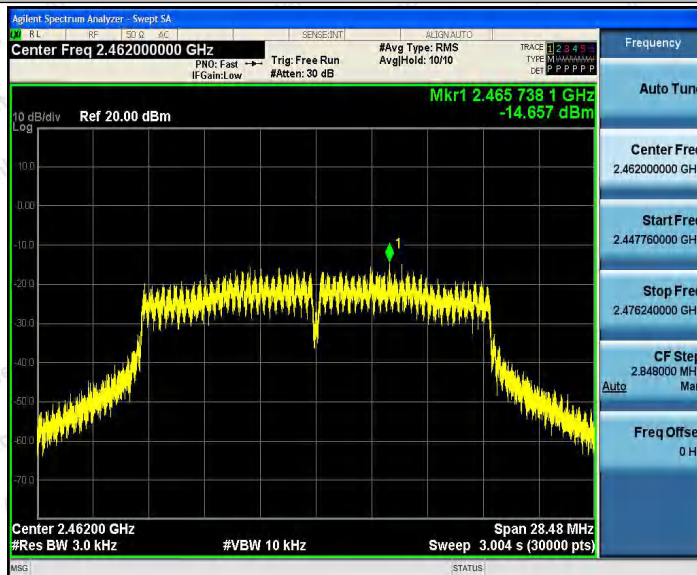
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11N20_Ant2_2437



11N20_Ant1_2462



11N20_Ant2_2462

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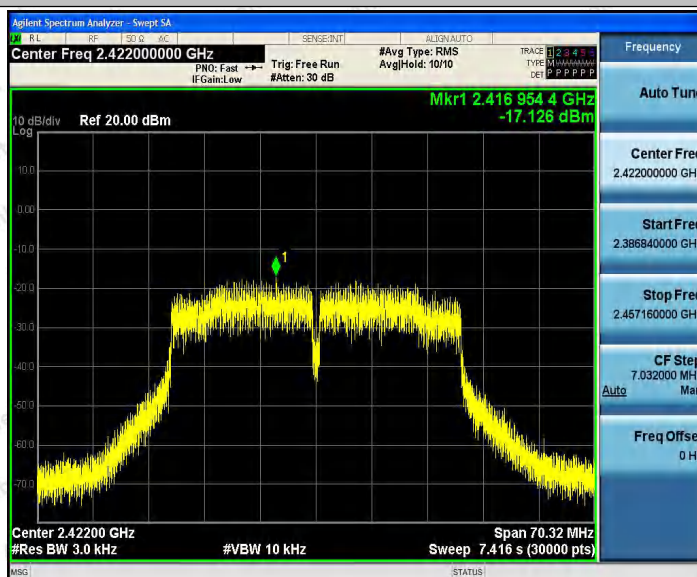
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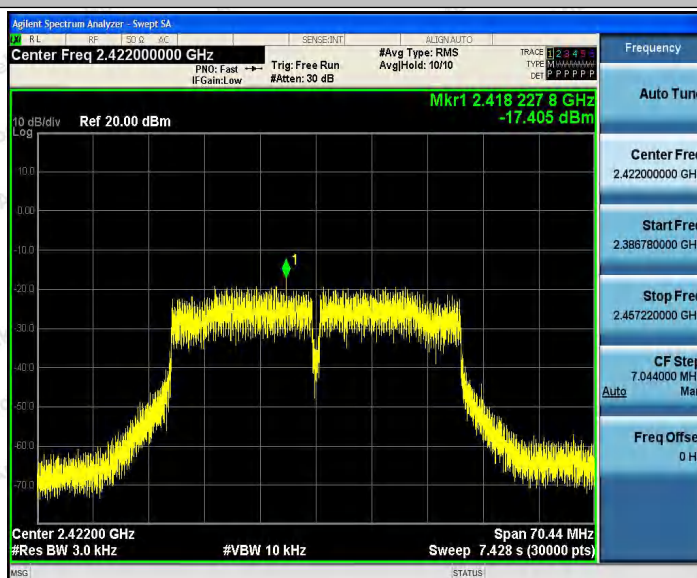
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11N40 Ant1 2422



11N40 Ant2 2422



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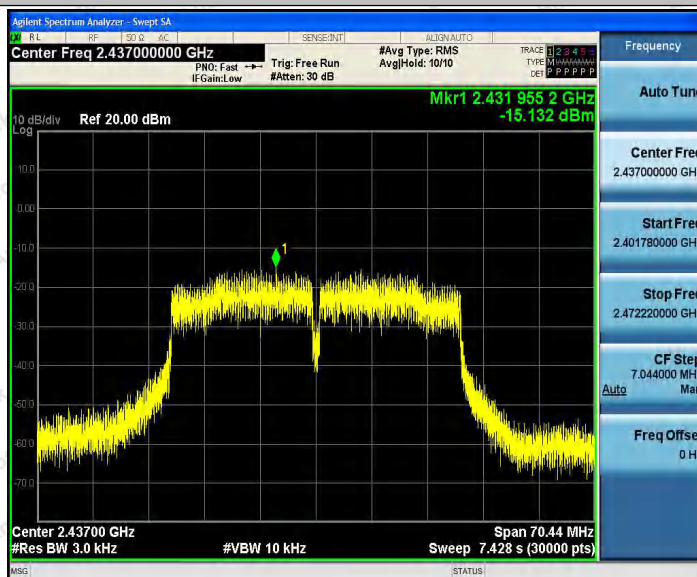


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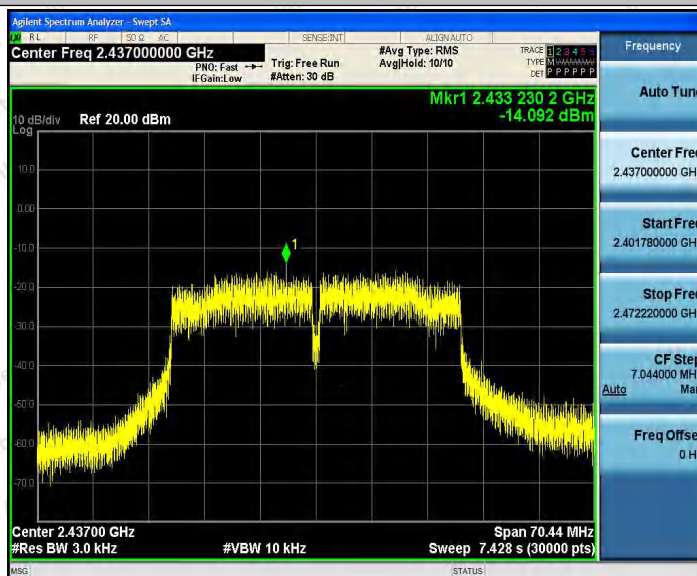
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11N40_Ant1_2437



11N40_Ant2_2437



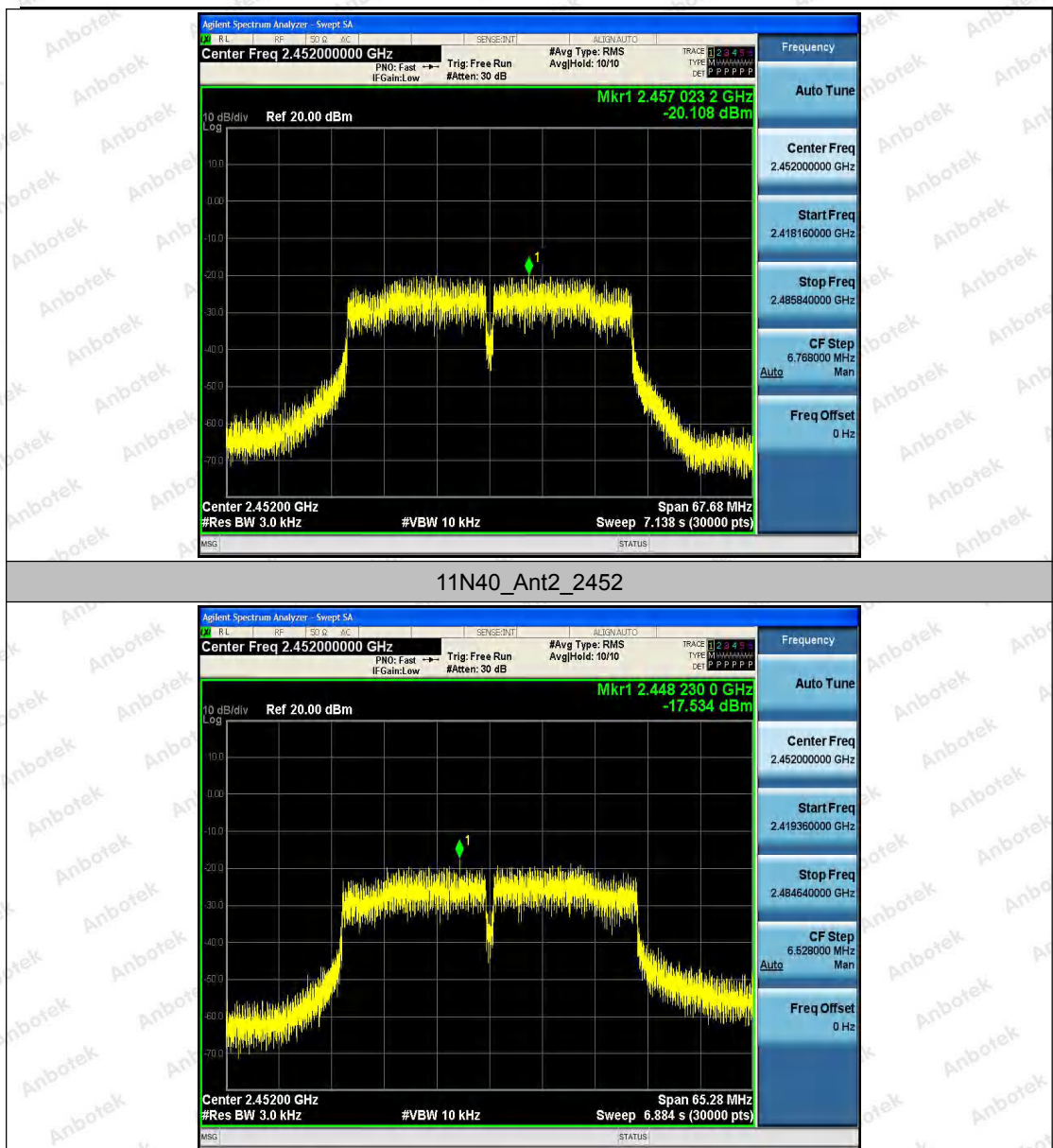
11N40_Ant1_2452

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Appendix E: Band edge measurements

Test Result

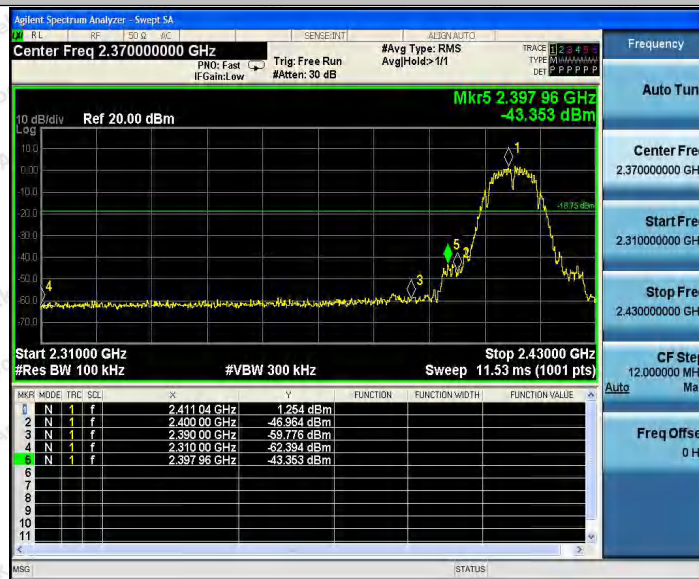
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.79	-42.48	≤-18.21	PASS
	Ant2	Low	2412	1.25	-43.35	≤-18.75	PASS
	Ant1	High	2462	0.01	-55.15	≤-19.99	PASS
	Ant2	High	2462	0.22	-55.3	≤-19.78	PASS
11G	Ant1	Low	2412	-3.42	-42.47	≤-23.42	PASS
	Ant2	Low	2412	-3.43	-42.24	≤-23.43	PASS
	Ant1	High	2462	-3.13	-42.07	≤-23.13	PASS
	Ant2	High	2462	-2.86	-40.35	≤-22.86	PASS
11N20	Ant1	Low	2412	-3.32	-40.5	≤-23.32	PASS
	Ant2	Low	2412	-4.45	-41.13	≤-24.45	PASS
	Ant1	High	2462	-2.94	-38.98	≤-22.94	PASS
	Ant2	High	2462	-4.15	-37.93	≤-24.15	PASS
11N40	Ant1	Low	2422	-6.39	-35.12	≤-26.39	PASS
	Ant2	Low	2422	-5.93	-35.22	≤-25.93	PASS
	Ant1	High	2452	-7.28	-32.04	≤-27.28	PASS
	Ant2	High	2452	-7.21	-32.09	≤-27.21	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462

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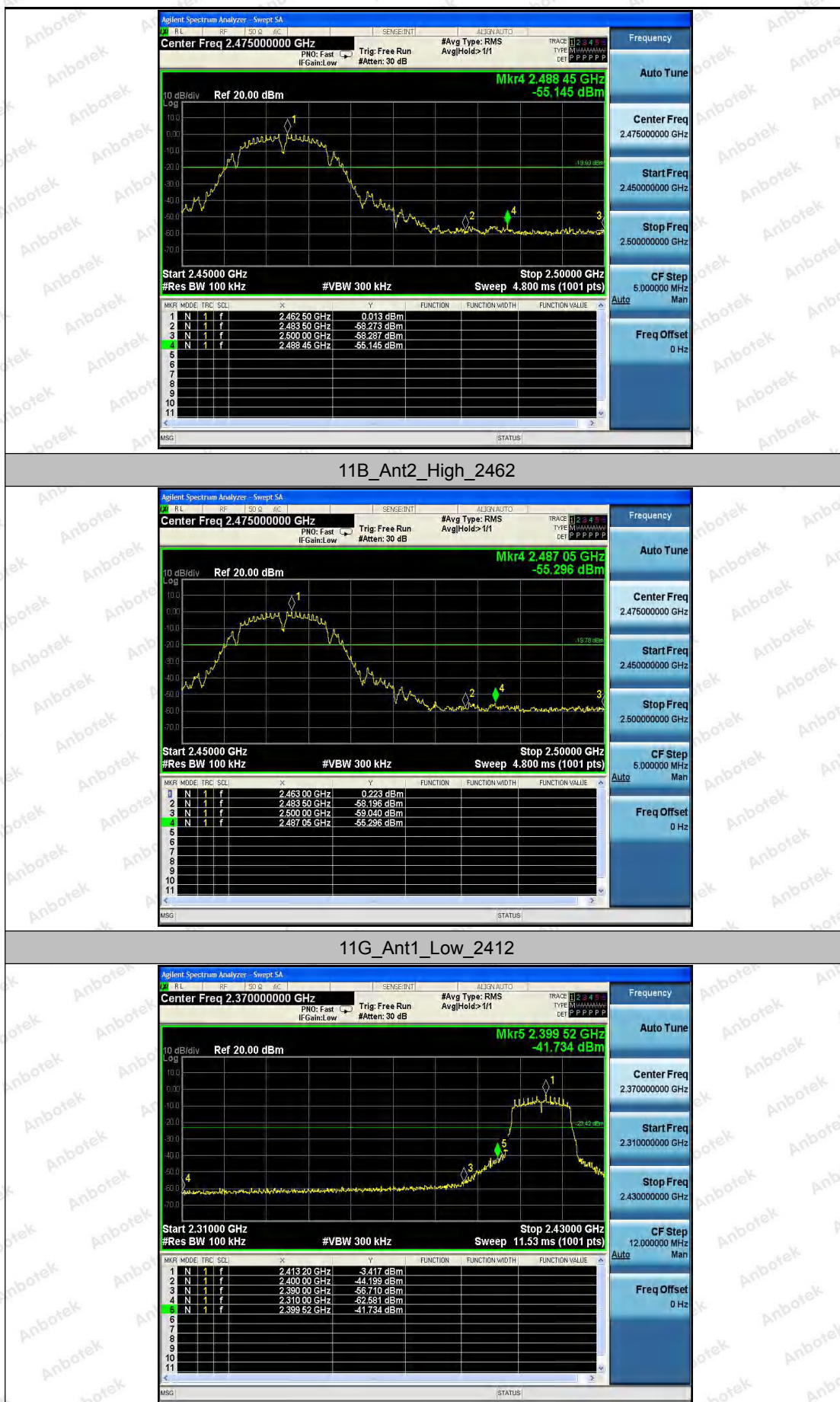
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11G_Ant2_Low_2412



11G_Ant1_High_2462



11G_Ant2_High_2462

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11N20_Ant1_Low_2412



11N20_Ant2_Low_2412



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11N20_Ant1_High_2462



11N20_Ant2_High_2462



11N40_Ant1_Low_2422

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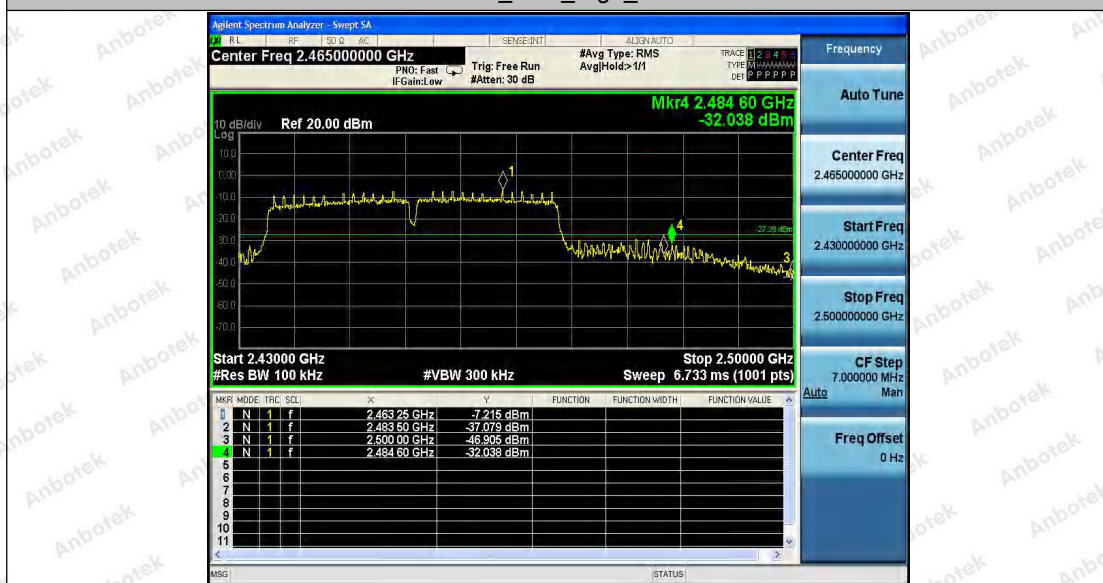
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11N40_Ant2_Low_2422



11N40_Ant1_High_2452

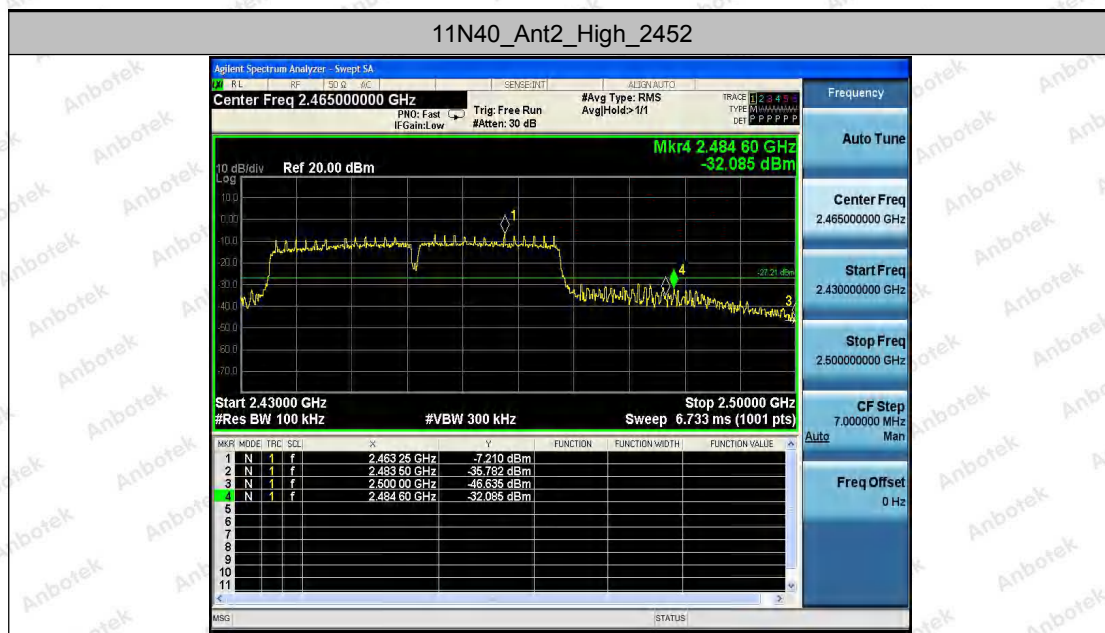


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