

Appendix Test Data

Report No.:	18220WC20116003	Test Sample No.:	1-2-2
Start Test Date:	2022.5.30	Finish Test Date:	2022.6.24
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.2 %
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	9.120	2407.480	2416.600	≥0.5	PASS
	Ant2	2412	9.640	2406.960	2416.600	≥0.5	PASS
	Ant1	2437	9.640	2431.960	2441.600	≥0.5	PASS
	Ant2	2437	9.160	2432.440	2441.600	≥0.5	PASS
	Ant1	2462	9.680	2456.920	2466.600	≥0.5	PASS
	Ant2	2462	9.120	2457.400	2466.520	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
	Ant2	2412	16.440	2403.800	2420.240	≥0.5	PASS
	Ant1	2437	16.440	2428.760	2445.200	≥0.5	PASS
	Ant2	2437	16.440	2428.800	2445.240	≥0.5	PASS
	Ant1	2462	16.400	2453.800	2470.200	≥0.5	PASS
	Ant2	2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	≥0.5	PASS
	Ant2	2412	17.640	2403.200	2420.840	≥0.5	PASS
	Ant1	2437	17.680	2428.160	2445.840	≥0.5	PASS
	Ant2	2437	17.720	2428.160	2445.880	≥0.5	PASS
	Ant1	2462	17.720	2453.120	2470.840	≥0.5	PASS
	Ant2	2462	17.640	2453.160	2470.800	≥0.5	PASS
11N40	Ant1	2422	35.820	2404.360	2440.180	≥0.5	PASS
	Ant2	2422	35.220	2404.420	2439.640	≥0.5	PASS
	Ant1	2437	35.700	2419.180	2454.880	≥0.5	PASS
	Ant2	2437	35.220	2419.360	2454.580	≥0.5	PASS
	Ant1	2452	35.760	2433.820	2469.580	≥0.5	PASS
	Ant2	2452	35.220	2434.360	2469.580	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



11B_Ant2_2437



11B_Ant1_2462



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11B_Ant2_2462



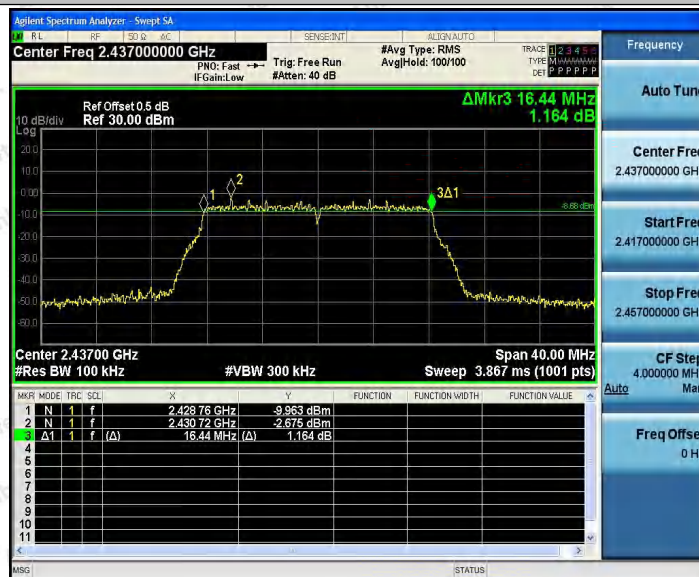
11G_Ant1_2412



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



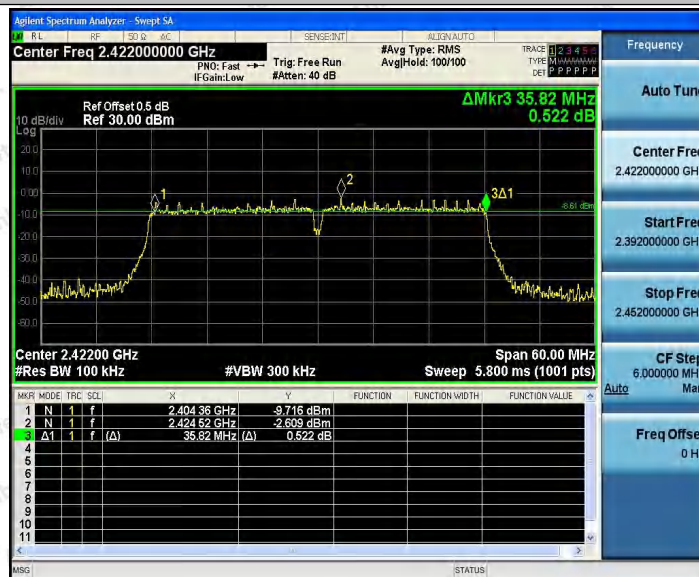
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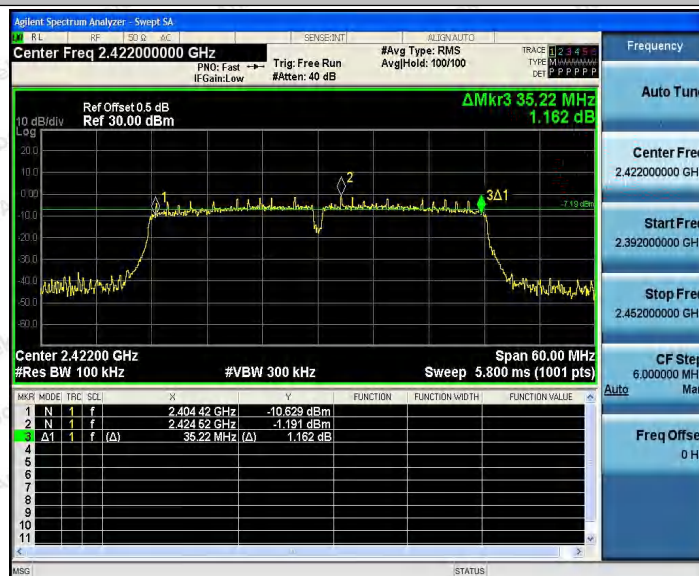
11N20_Ant2_2462



11N40_Ant1_2422



11N40_Ant2_2422



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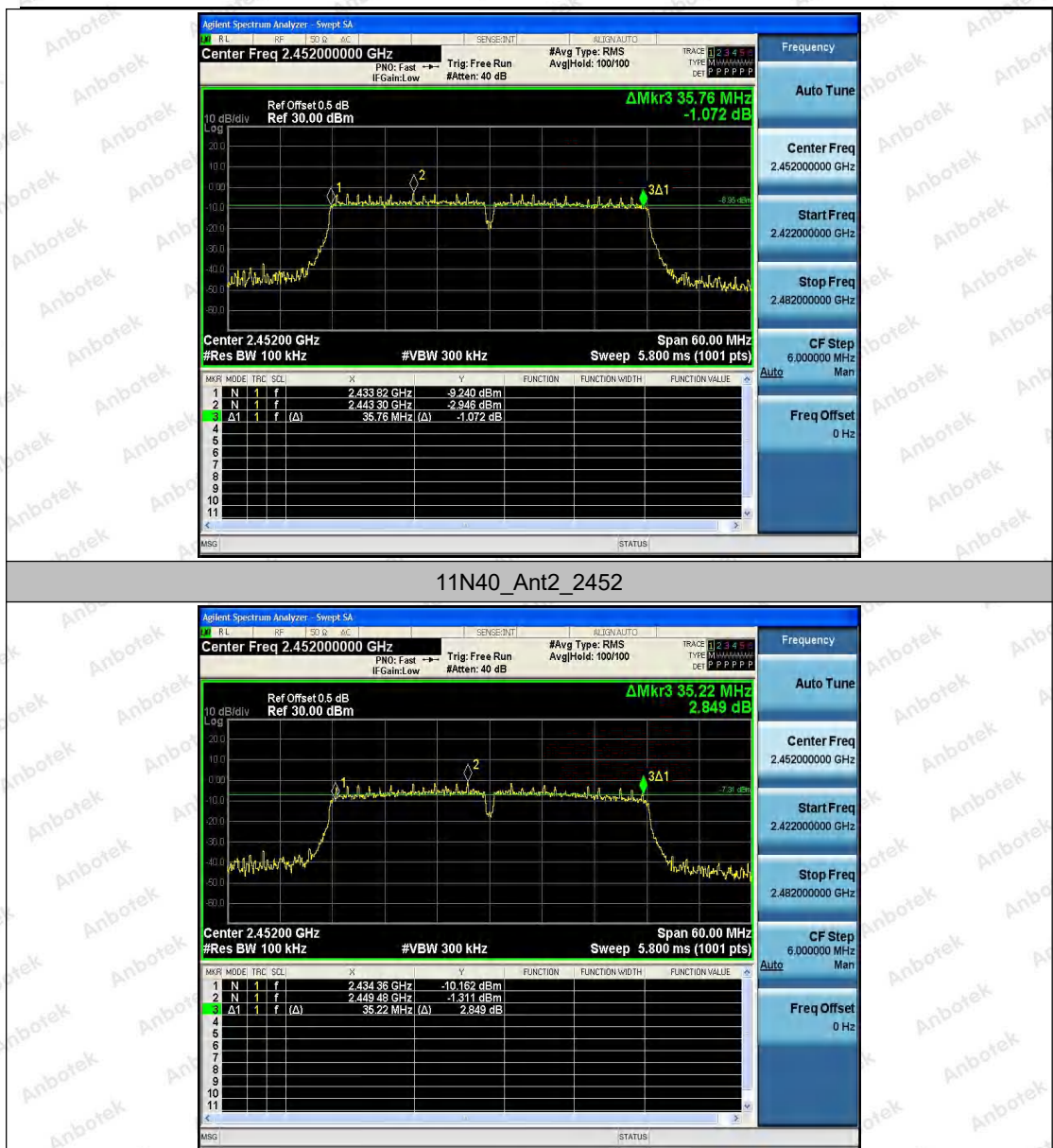
11N40_Ant1_2437



11N40_Ant2_2437



11N40_Ant1_2452



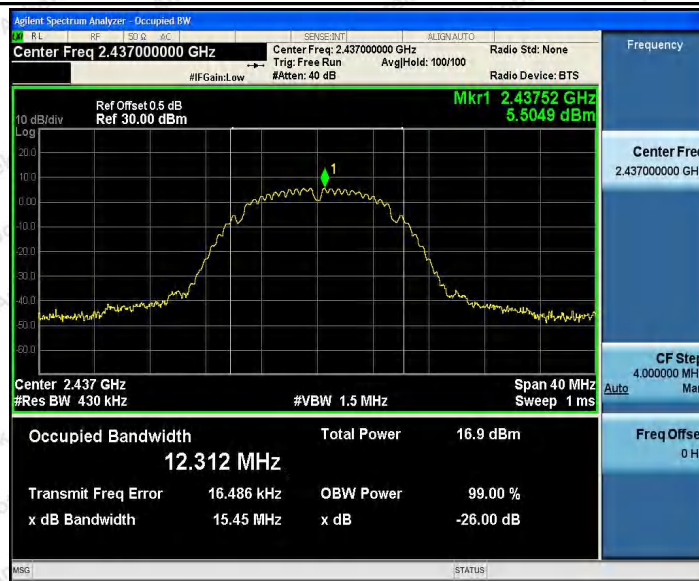
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.339	2405.873	2418.212	---	PASS
	Ant2	2412	12.376	2405.854	2418.230	---	PASS
	Ant1	2437	12.312	2430.860	2443.172	---	PASS
	Ant2	2437	12.367	2430.833	2443.200	---	PASS
	Ant1	2462	12.374	2455.770	2468.144	---	PASS
	Ant2	2462	12.459	2455.720	2468.179	---	PASS
11G	Ant1	2412	17.099	2403.506	2420.605	---	PASS
	Ant2	2412	17.037	2403.514	2420.551	---	PASS
	Ant1	2437	17.160	2428.392	2445.552	---	PASS
	Ant2	2437	17.082	2428.506	2445.588	---	PASS
	Ant1	2462	17.063	2453.373	2470.436	---	PASS
	Ant2	2462	17.077	2453.389	2470.466	---	PASS
11N20	Ant1	2412	17.948	2403.054	2421.002	---	PASS
	Ant2	2412	18.023	2403.019	2421.042	---	PASS
	Ant1	2437	17.942	2428.043	2445.985	---	PASS
	Ant2	2437	17.967	2428.029	2445.996	---	PASS
	Ant1	2462	17.957	2452.981	2470.938	---	PASS
	Ant2	2462	17.977	2452.960	2470.937	---	PASS
11N40	Ant1	2422	36.186	2403.930	2440.116	---	PASS
	Ant2	2422	35.942	2404.092	2440.034	---	PASS
	Ant1	2437	36.151	2418.942	2455.093	---	PASS
	Ant2	2437	35.880	2419.064	2454.944	---	PASS
	Ant1	2452	36.122	2433.895	2470.017	---	PASS
	Ant2	2452	35.874	2434.011	2469.885	---	PASS

Test Graphs





11B_Ant2_2437



11B_Ant1_2462



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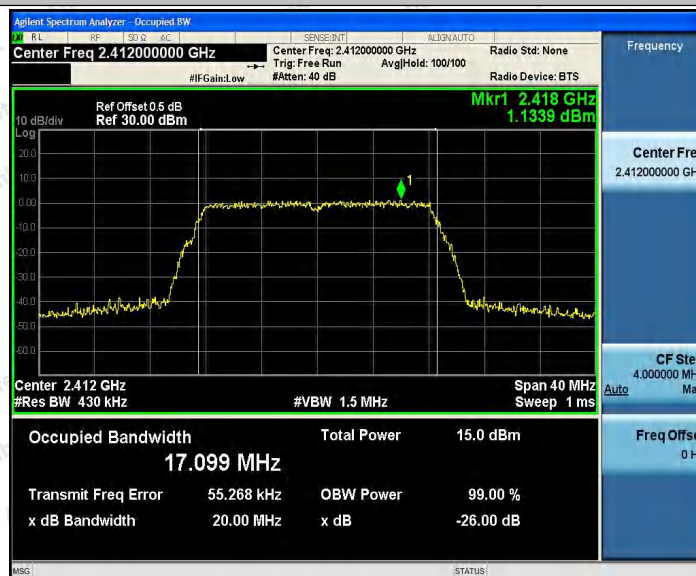
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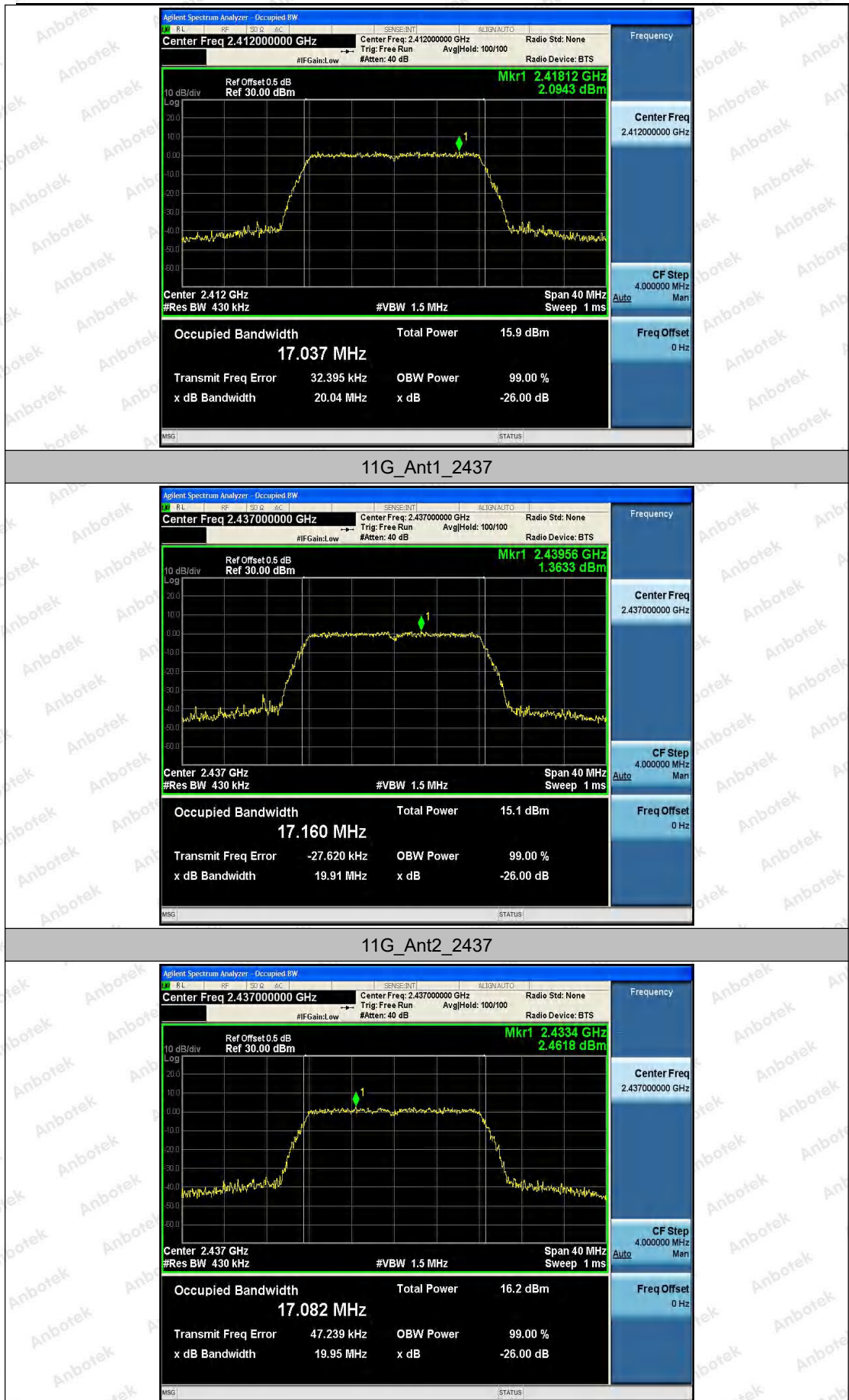
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11G_Ant1_2412



11G_Ant2_2412



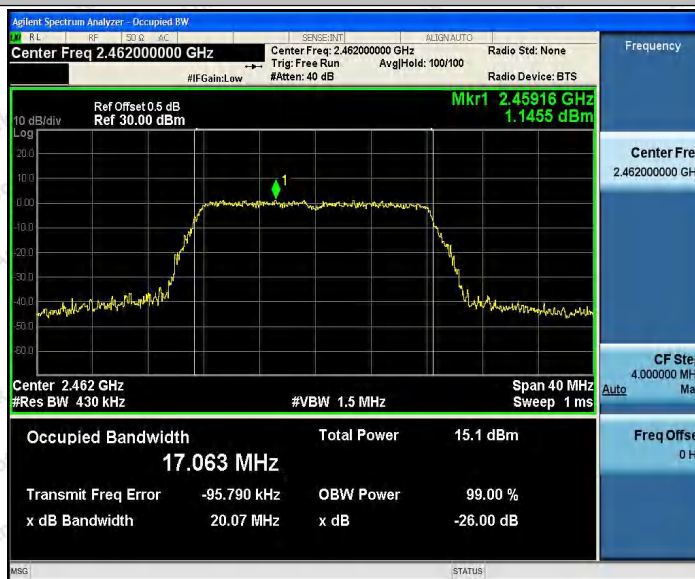
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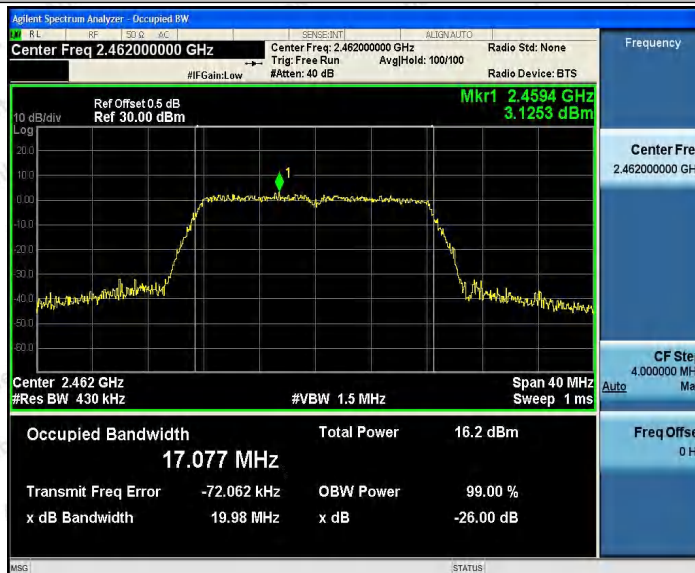
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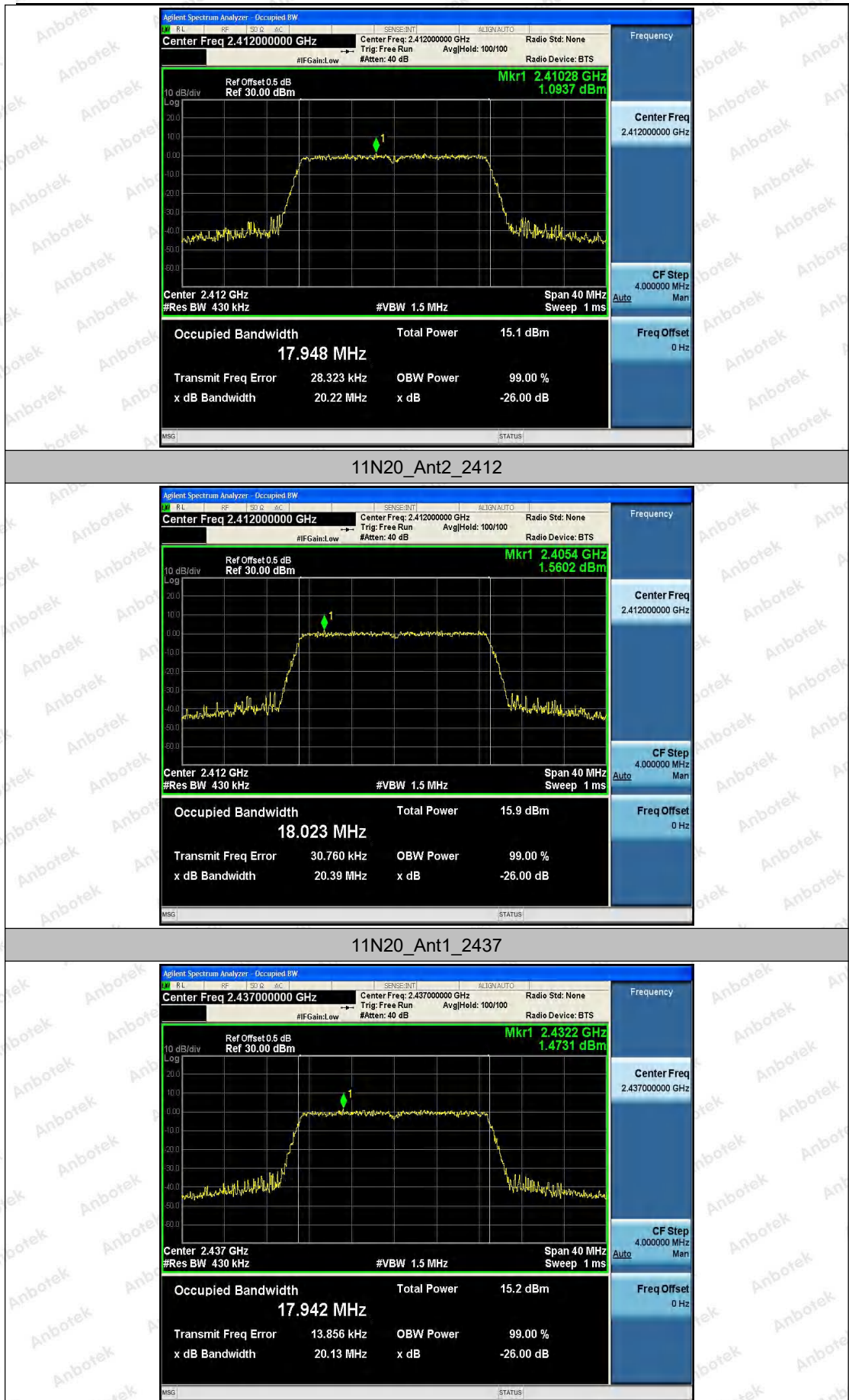
11G_Ant1_2462



11G_Ant2_2462



11N20_Ant1_2412



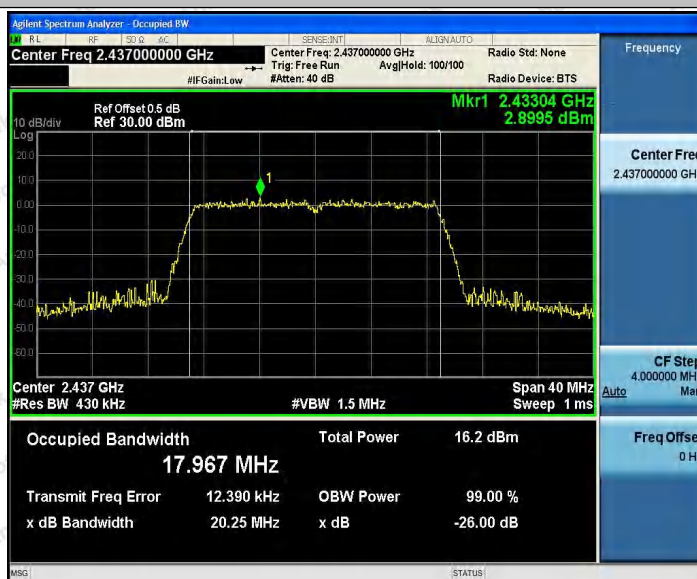
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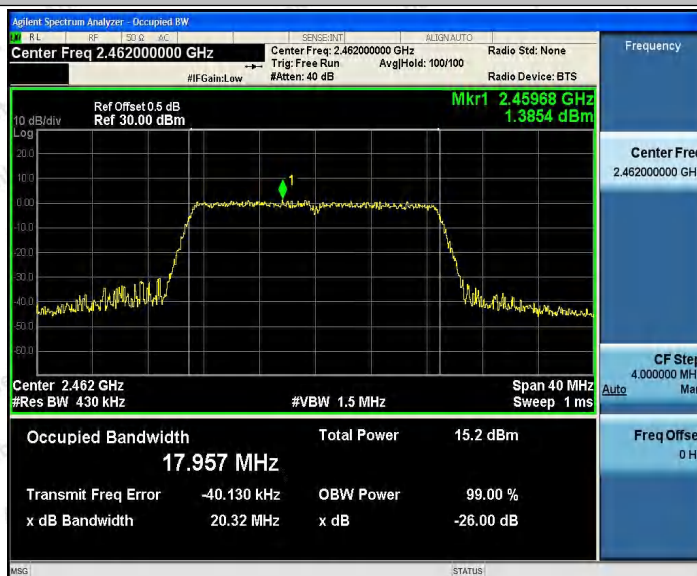
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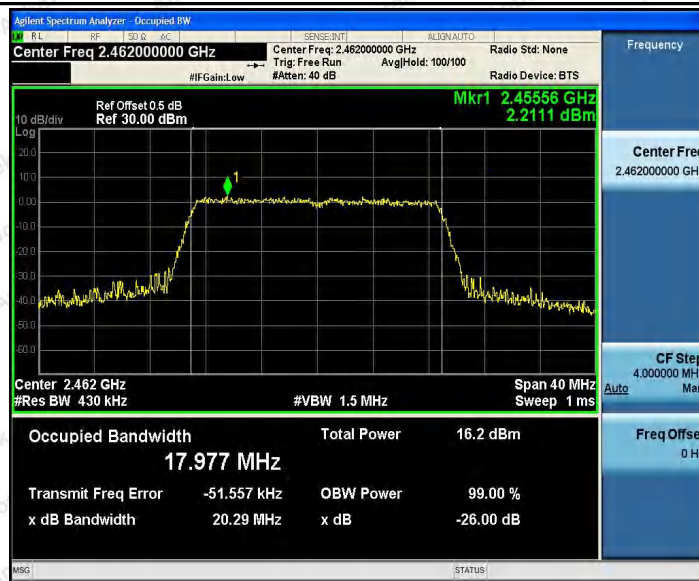
11N20_Ant2_2437



11N20_Ant1_2462



11N20_Ant2_2462



11N40_Ant1_2422



11N40_Ant2_2422

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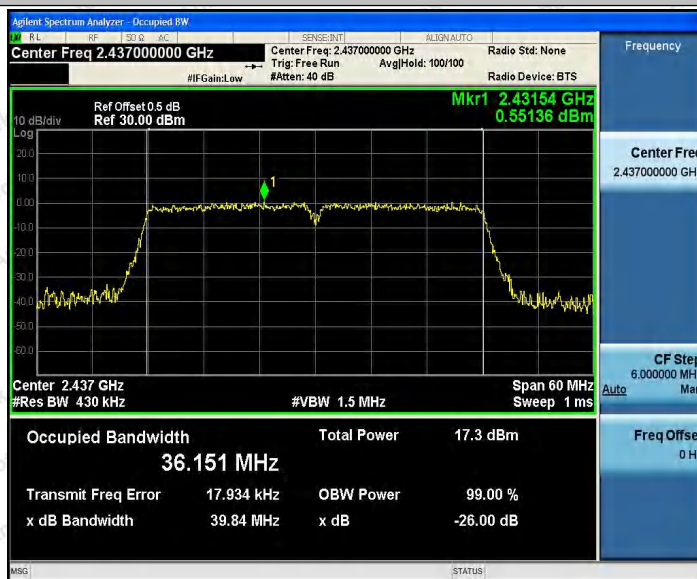


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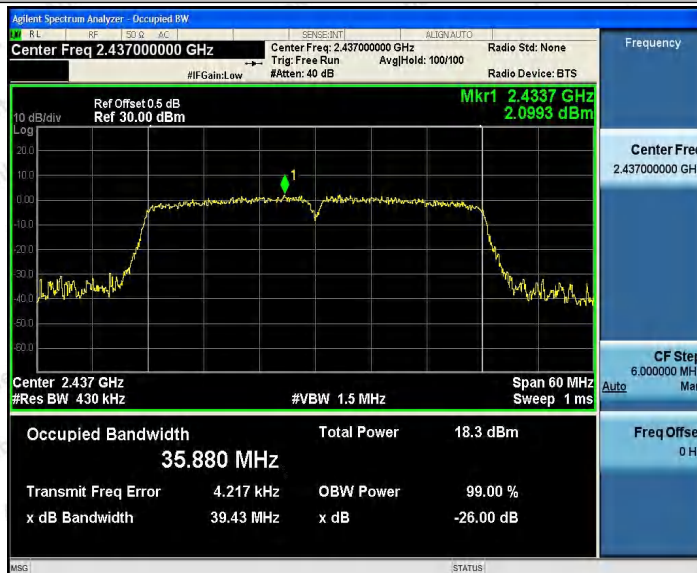
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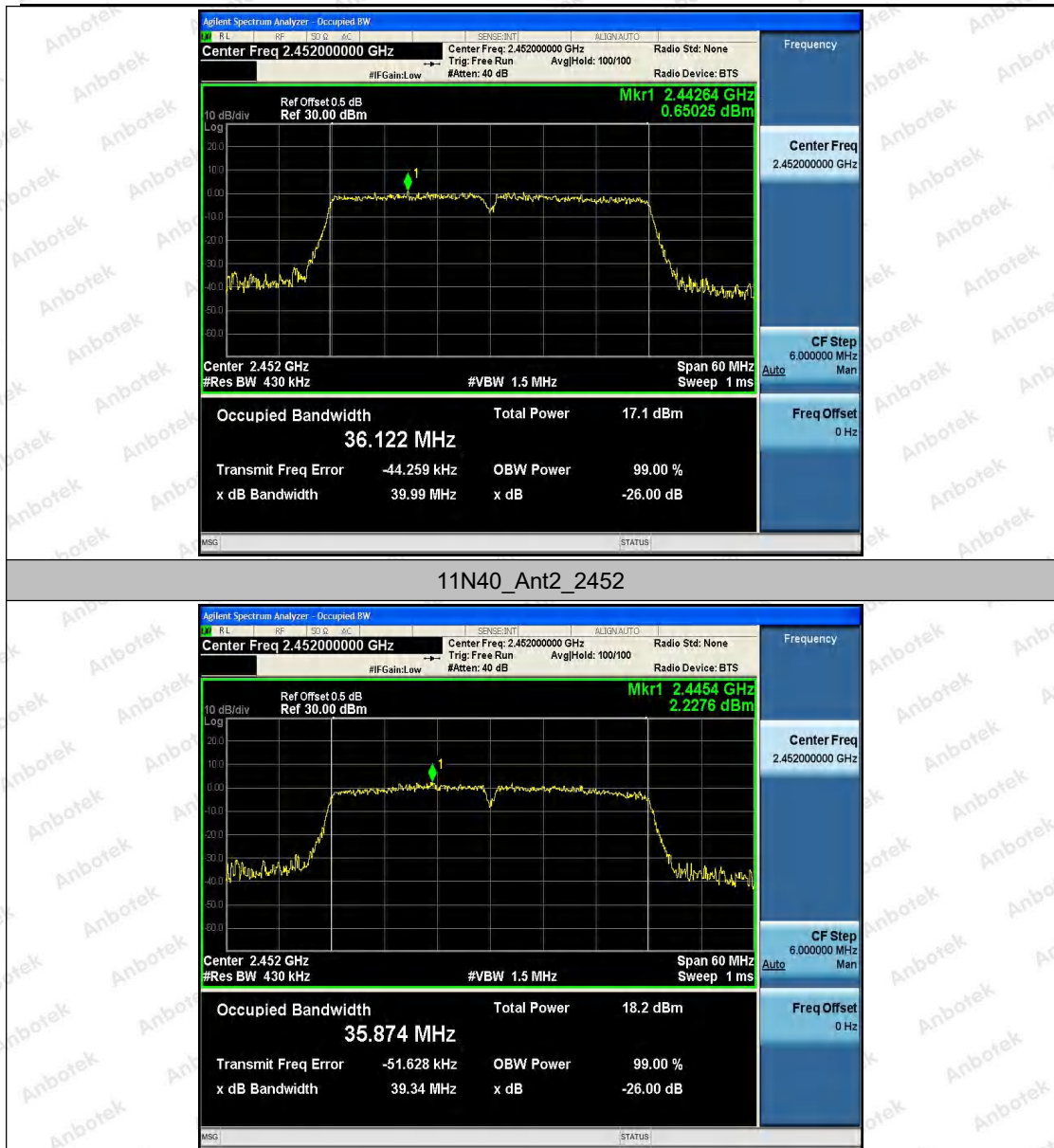
11N40_Ant1_2437



11N40_Ant2_2437



11N40_Ant1_2452

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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.10	≤30	PASS
	Ant2	2412	17.74	≤30	PASS
	Ant1	2437	16.91	≤30	PASS
	Ant2	2437	17.82	≤30	PASS
	Ant1	2462	16.91	≤30	PASS
	Ant2	2462	17.92	≤30	PASS
11G	Ant1	2412	16.46	≤30	PASS
	Ant2	2412	17.28	≤30	PASS
	Ant1	2437	16.23	≤30	PASS
	Ant2	2437	17.32	≤30	PASS
	Ant1	2462	16.26	≤30	PASS
	Ant2	2462	17.28	≤30	PASS
11N20	Ant1	2412	16.20	≤30	PASS
	Ant2	2412	17.11	≤30	PASS
	Ant1	2437	16.39	≤30	PASS
	Ant2	2437	17.34	≤30	PASS
	Ant1	2462	16.34	≤30	PASS
	Ant2	2462	17.32	≤30	PASS
11N40	Ant1	2422	15.93	≤30	PASS
	Ant2	2422	17.20	≤30	PASS
	Ant1	2437	16.01	≤30	PASS
	Ant2	2437	17.51	≤30	PASS
	Ant1	2452	15.83	≤30	PASS
	Ant2	2452	17.27	≤30	PASS

MIMO:

Test Condition	Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
NTNV	11N20MIMO	2412	19.689	≤30	PASS
		2437	19.901	≤30	PASS
		2462	19.868	≤30	PASS
	11N40MIMO	2422	19.622	≤30	PASS
		2437	19.835	≤30	PASS
		2452	19.620	≤30	PASS

Appendix D: Maximum power spectral density

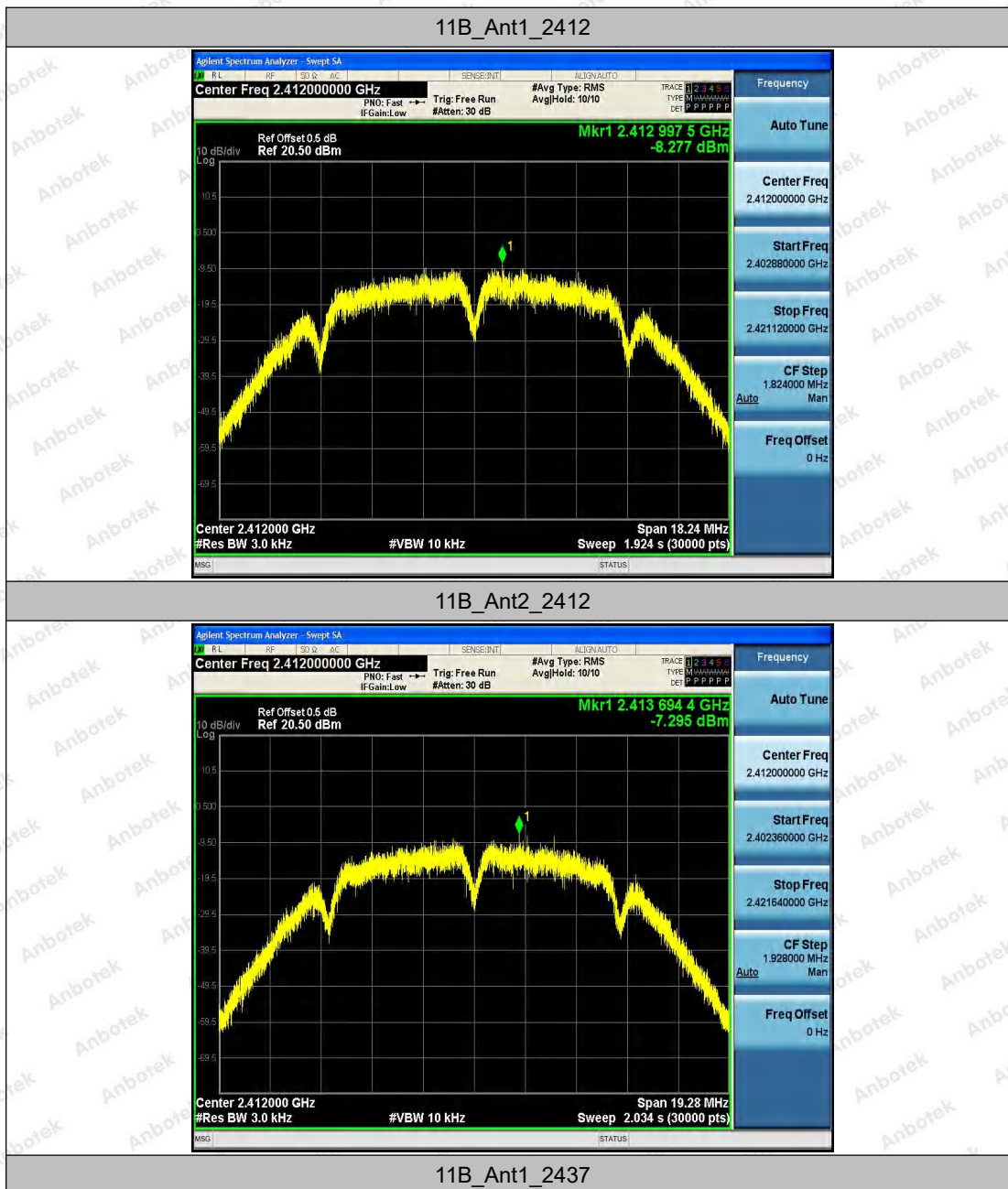
Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.28	≤8	PASS
	Ant2	2412	-7.3	≤8	PASS
	Ant1	2437	-8.5	≤8	PASS
	Ant2	2437	-7.1	≤8	PASS
	Ant1	2462	-5.87	≤8	PASS
	Ant2	2462	-6.82	≤8	PASS
11G	Ant1	2412	-16.14	≤8	PASS
	Ant2	2412	-14.57	≤8	PASS
	Ant1	2437	-15.97	≤8	PASS
	Ant2	2437	-14.64	≤8	PASS
	Ant1	2462	-15.92	≤8	PASS
	Ant2	2462	-14.05	≤8	PASS
11N20	Ant1	2412	-16.1	≤8	PASS
	Ant2	2412	-14.91	≤8	PASS
	Ant1	2437	-16.44	≤8	PASS
	Ant2	2437	-15.14	≤8	PASS
	Ant1	2462	-16.12	≤8	PASS
	Ant2	2462	-15.57	≤8	PASS
11N40	Ant1	2422	-16.54	≤8	PASS
	Ant2	2422	-15.68	≤8	PASS
	Ant1	2437	-15.72	≤8	PASS
	Ant2	2437	-15.4	≤8	PASS
	Ant1	2452	-16.47	≤8	PASS
	Ant2	2452	-15.3	≤8	PASS

MIMO:

Test Condition	Test Mode	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
NTNV	11N20MIMO	2412	-12.454	≤8	PASS
		2437	-12.731	≤8	PASS
		2462	-12.826	≤8	PASS
	11N40MIMO	2422	-13.078	≤8	PASS
		2437	-12.547	≤8	PASS
		2452	-12.835	≤8	PASS

Test Graphs



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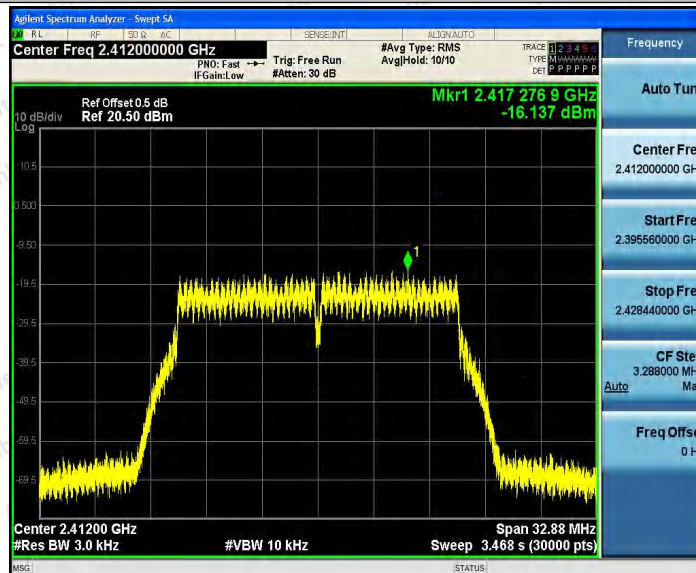
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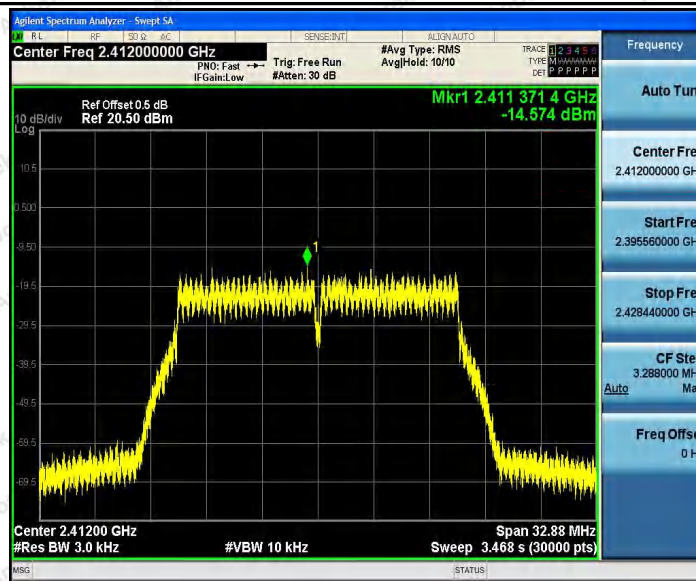
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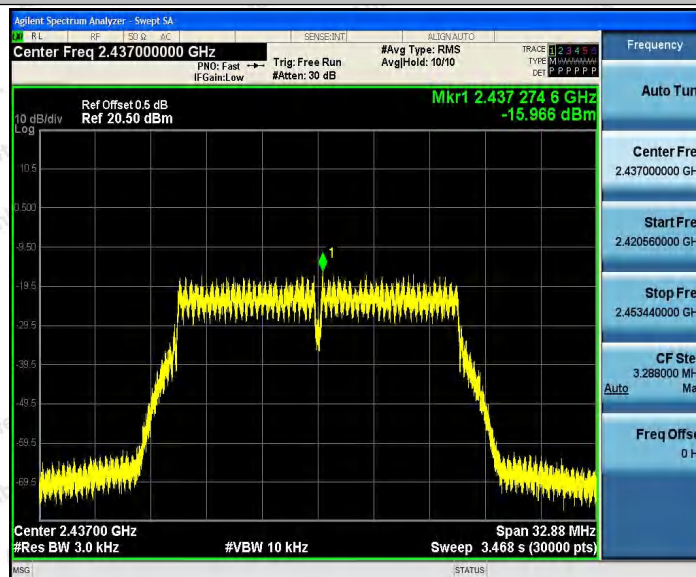
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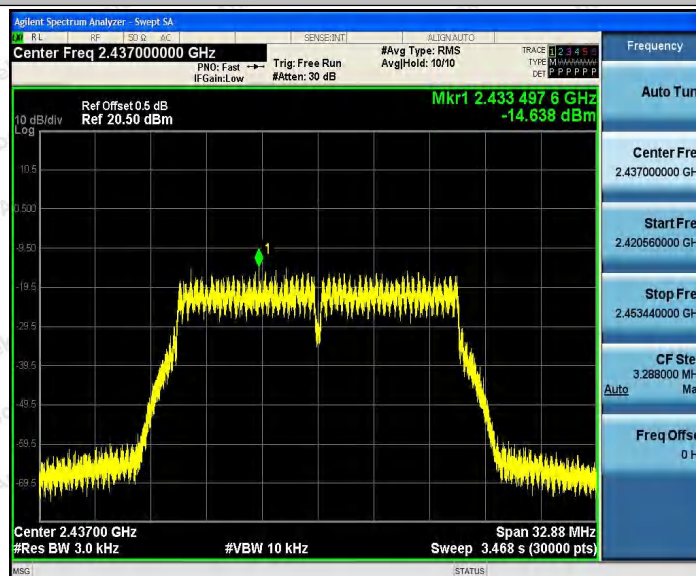
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11G_Ant1_2437



11G_Ant2_2437



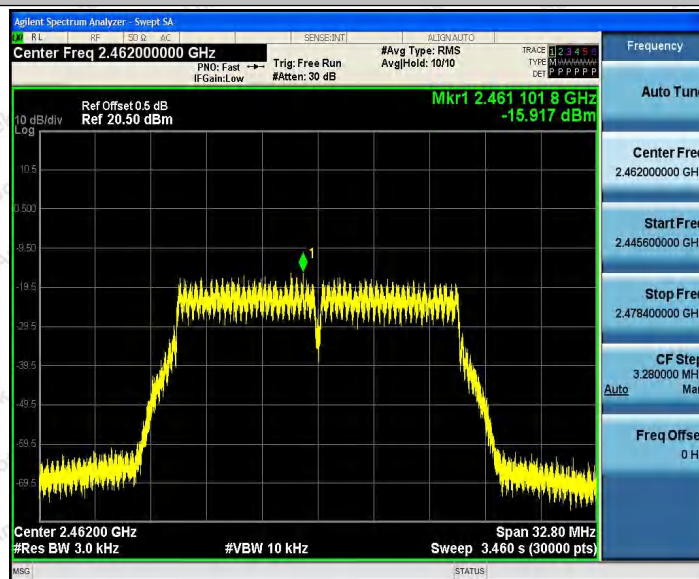
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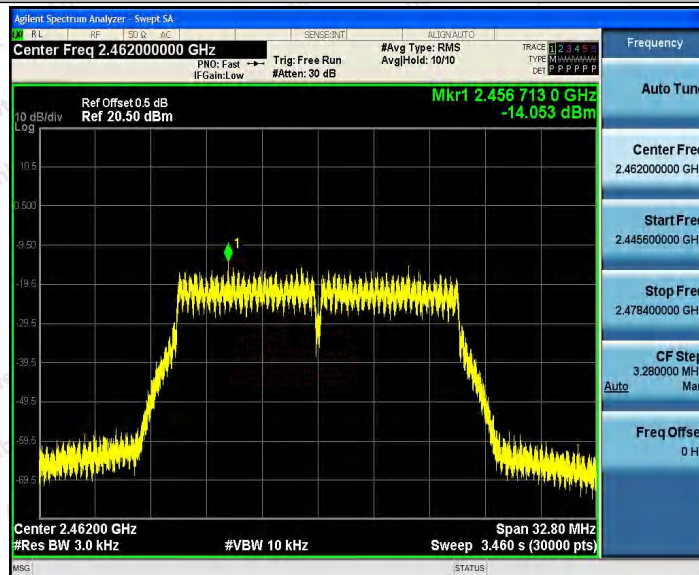
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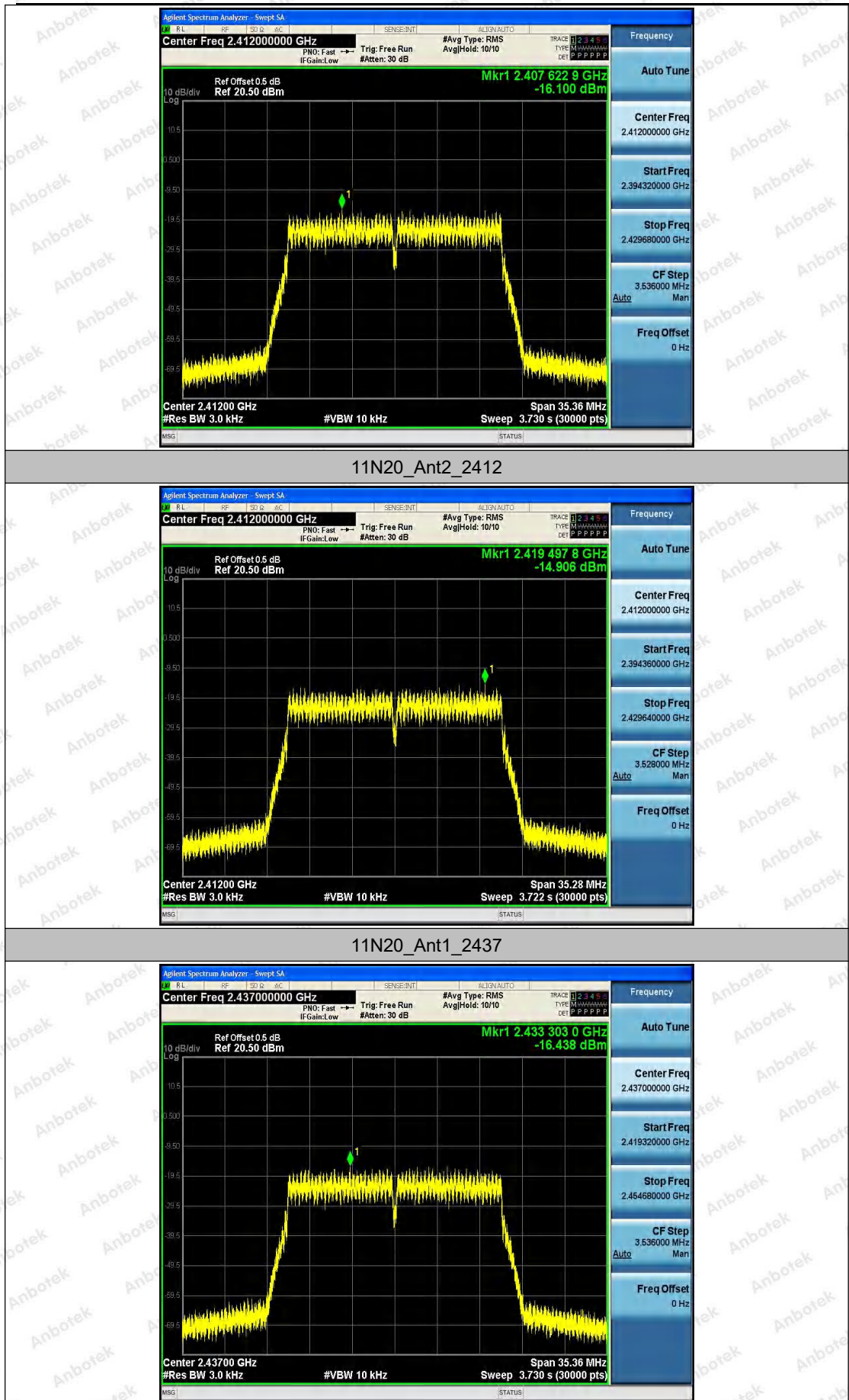
11G_Ant1_2462



11G_Ant2_2462



11N20_Ant1_2412



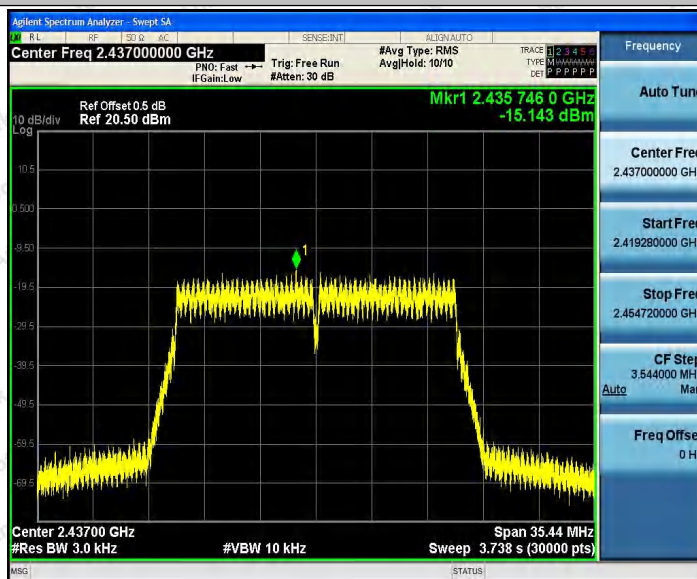
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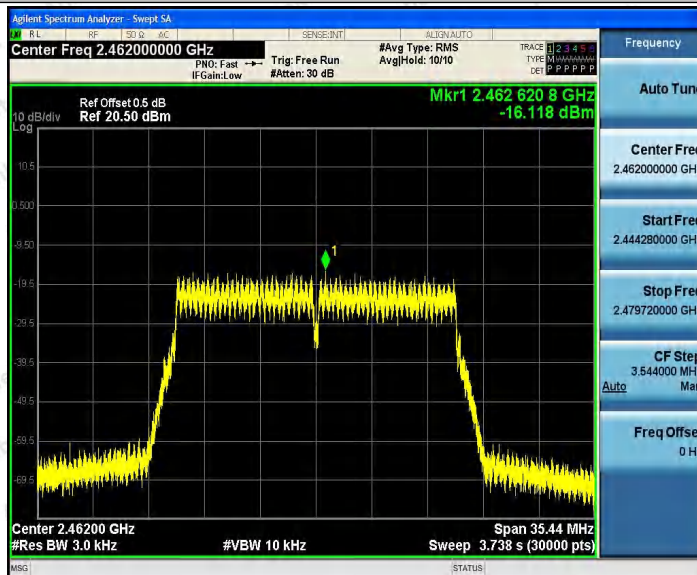
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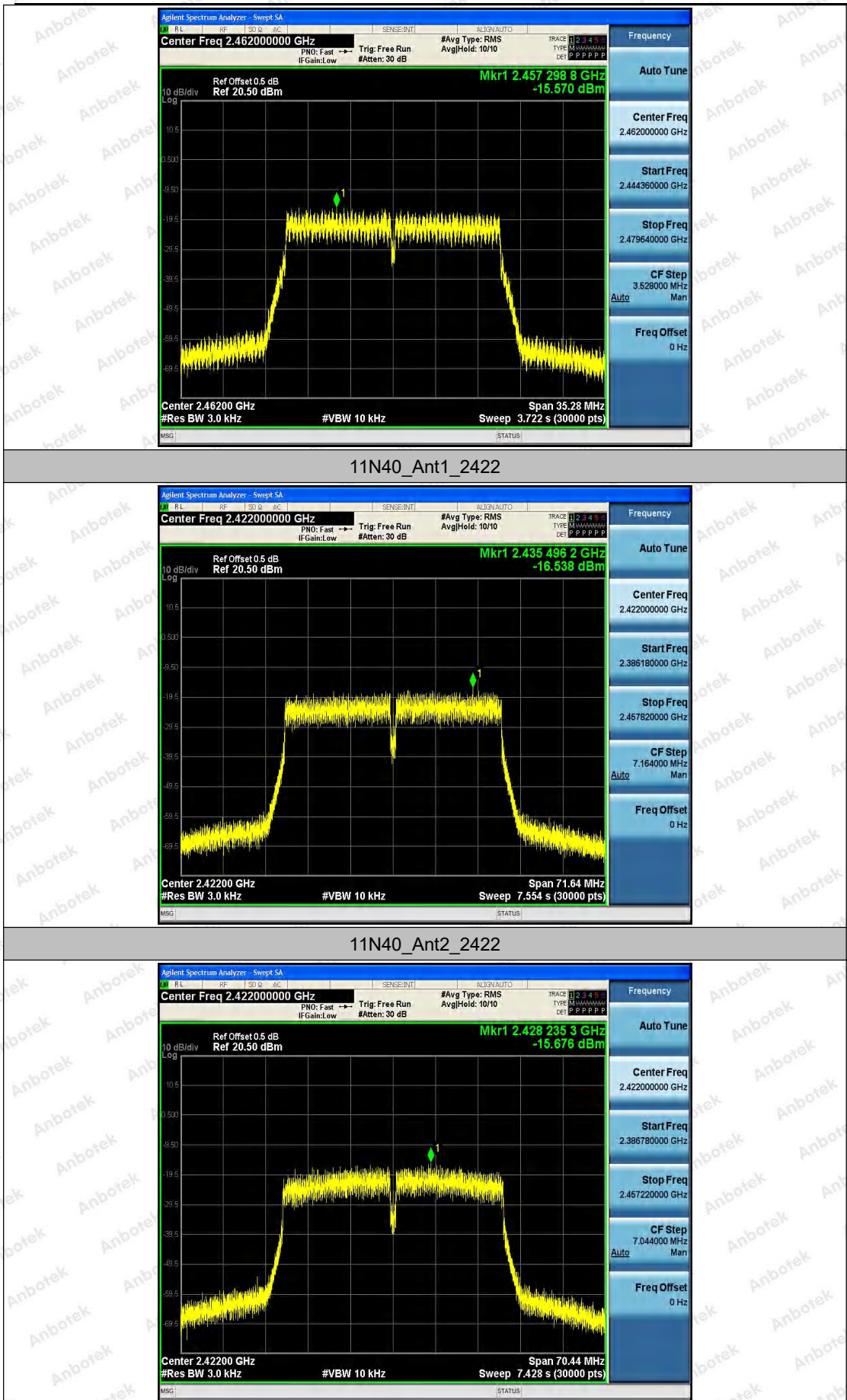
11N20_Ant2_2437



11N20_Ant1_2462



11N20_Ant2_2462



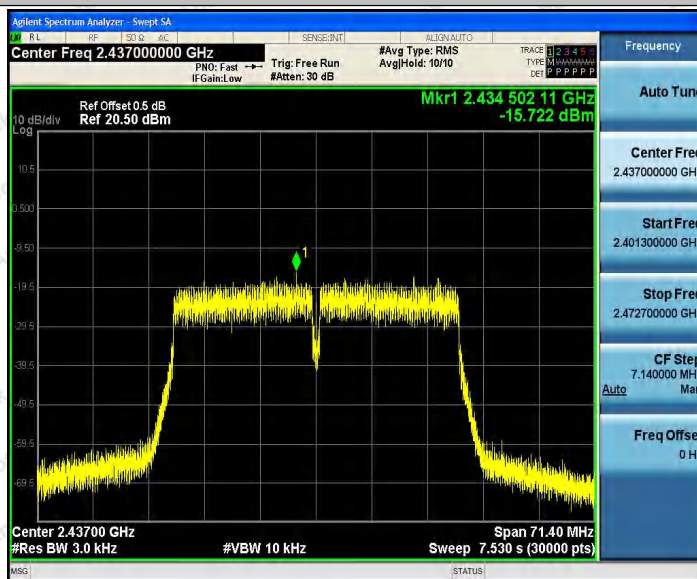
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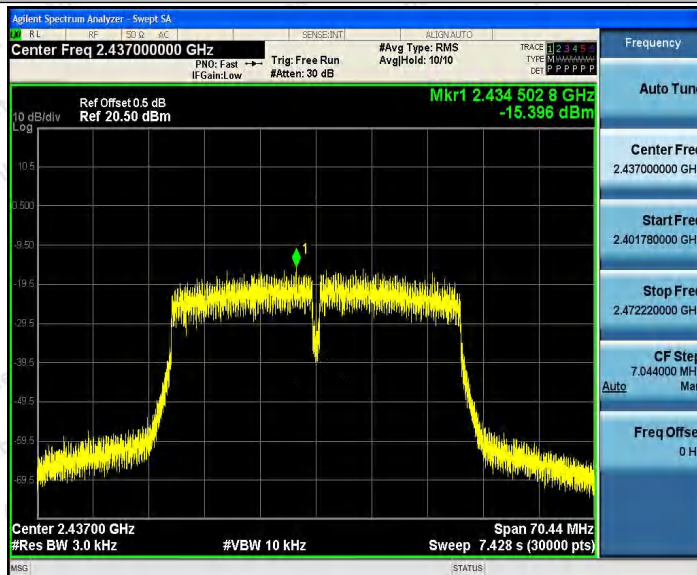
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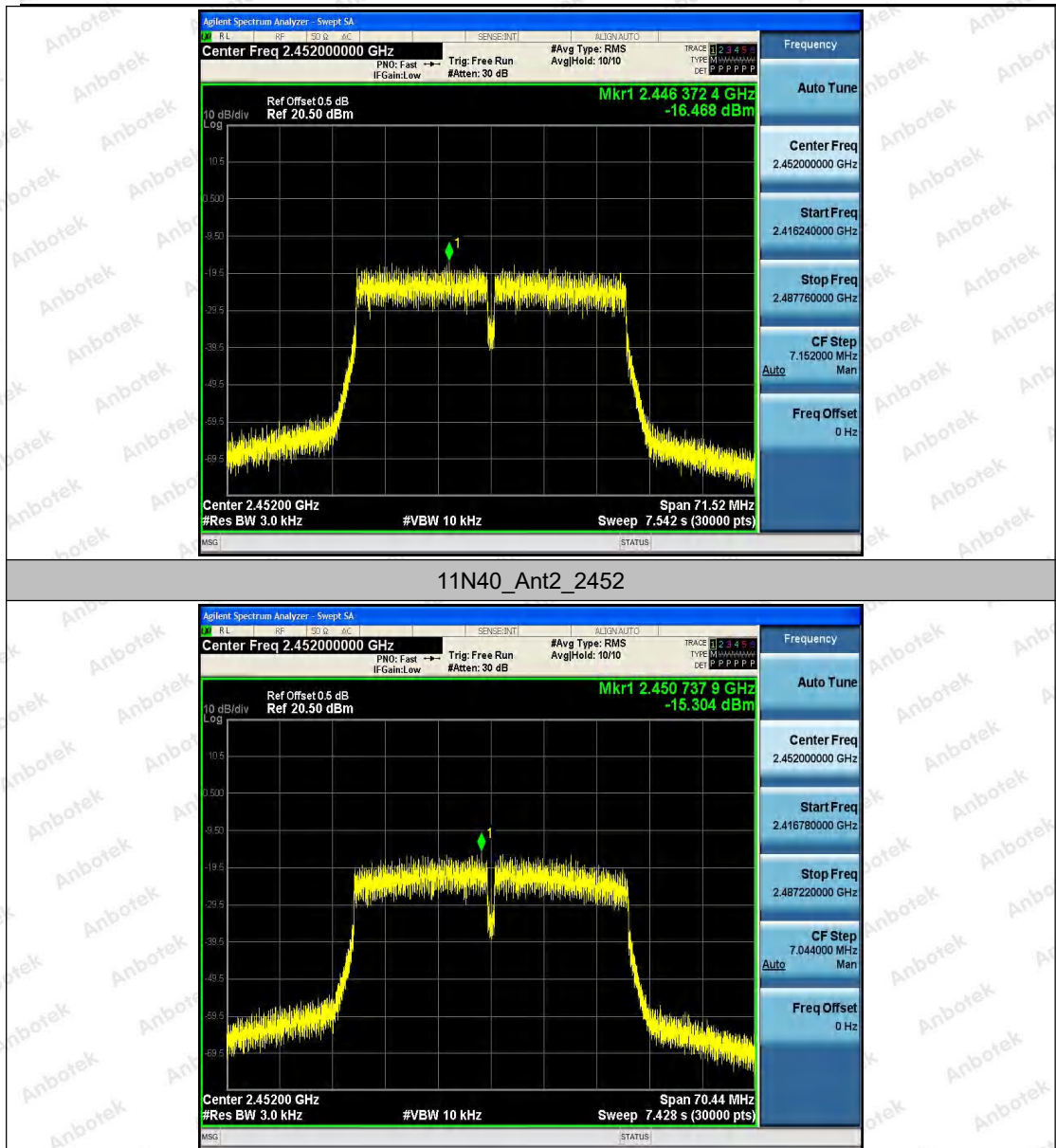
11N40_Ant1_2437



11N40_Ant2_2437



11N40_Ant1_2452



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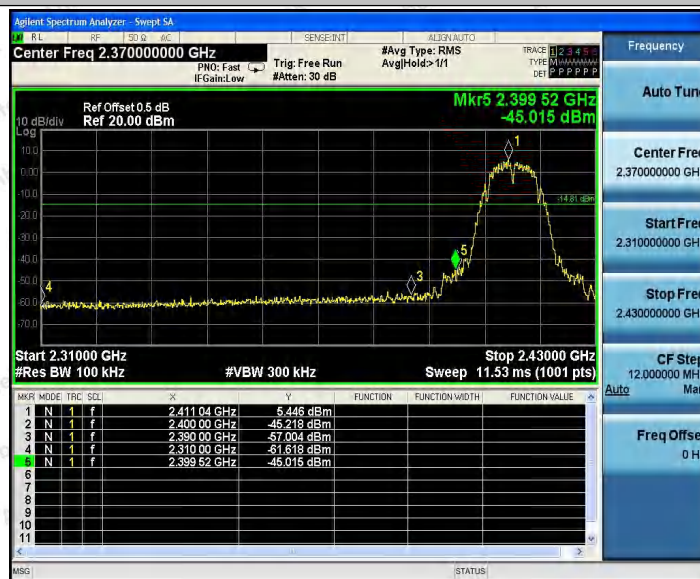
Appendix E: Band edge measurements

Test Result

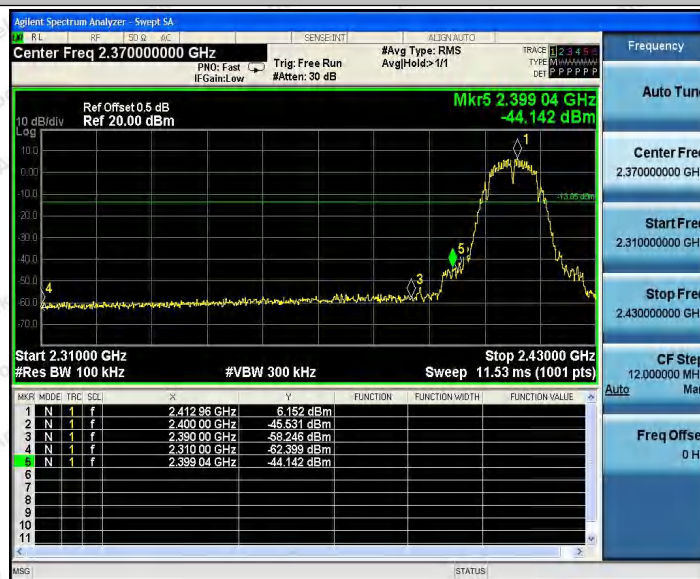
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.19	-45.02	≤-14.81	PASS
	Ant2	Low	2412	6.15	-44.14	≤-13.85	PASS
	Ant1	High	2462	4.96	-55.16	≤-15.04	PASS
	Ant2	High	2462	6.17	-54.26	≤-13.83	PASS
11G	Ant1	Low	2412	-1.66	-45.65	≤-21.66	PASS
	Ant2	Low	2412	-1.46	-44.48	≤-21.46	PASS
	Ant1	High	2462	-2.81	-54.34	≤-22.81	PASS
	Ant2	High	2462	-1.12	-52.35	≤-21.12	PASS
11N20	Ant1	Low	2412	-2.02	-44.57	≤-22.02	PASS
	Ant2	Low	2412	-1.64	-41.26	≤-21.64	PASS
	Ant1	High	2462	-1.96	-53.74	≤-21.96	PASS
	Ant2	High	2462	-0.92	-52.39	≤-20.92	PASS
11N40	Ant1	Low	2422	-2.87	-39.38	≤-22.87	PASS
	Ant2	Low	2422	-1.72	-37.23	≤-21.72	PASS
	Ant1	High	2452	-2.71	-45.18	≤-22.71	PASS
	Ant2	High	2452	-1.20	-42.91	≤-21.2	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462



11B_Ant2_High_2462



11G_Ant1_Low_2412



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11G_Ant2_Low_2412



11G_Ant1_High_2462



11G_Ant2_High_2462

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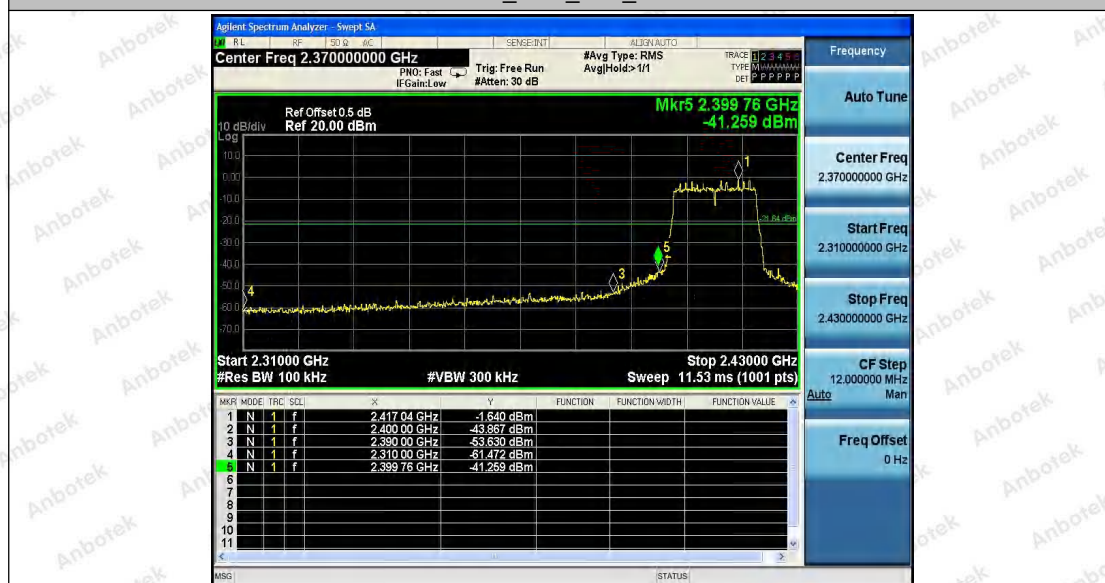
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11N20_Ant1_Low_2412



11N20_Ant2_Low_2412



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11N20_Ant1_High_2462



11N20_Ant2_High_2462



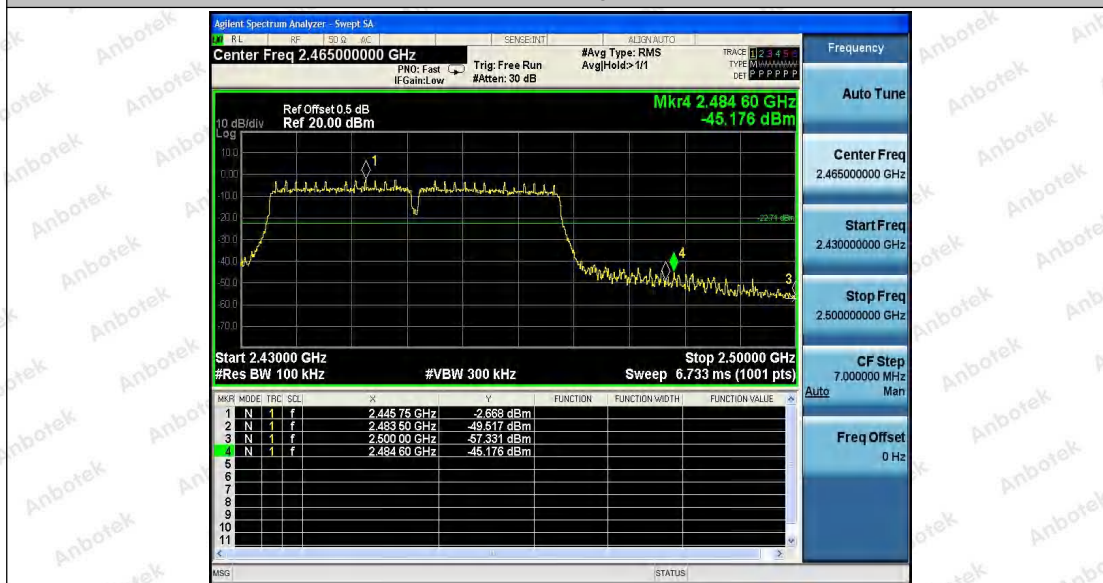
11N40_Ant1_Low_2422



11N40_Ant2_Low_2422



11N40_Ant1_High_2452

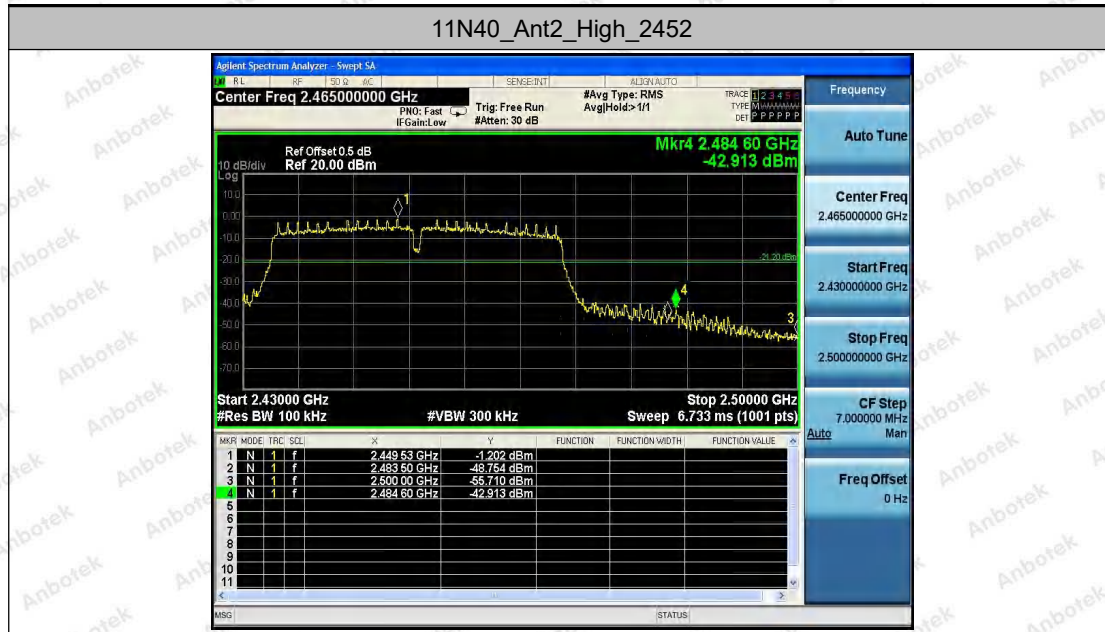


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