

Appendix Test Data

Report No.:	18220WC20143503	Test Sample No.:	1-2-2
Start Test Date:	2022.7.5	Finish Test Date:	2022.7.13
Test Engineer:	<i>Jonny He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.3 %
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	10.040	2407.000	2417.040	≥0.5	PASS
	Ant2	2412	9.560	2407.000	2416.560	≥0.5	PASS
	Ant1	2437	9.160	2432.440	2441.600	≥0.5	PASS
	Ant2	2437	9.200	2432.400	2441.600	≥0.5	PASS
	Ant1	2462	9.760	2457.320	2467.080	≥0.5	PASS
	Ant2	2462	9.160	2457.400	2466.560	≥0.5	PASS
11G	Ant1	2412	15.160	2404.440	2419.600	≥0.5	PASS
	Ant2	2412	16.440	2403.760	2420.200	≥0.5	PASS
	Ant1	2437	13.720	2430.840	2444.560	≥0.5	PASS
	Ant2	2437	15.440	2429.040	2444.480	≥0.5	PASS
	Ant1	2462	12.080	2455.960	2468.040	≥0.5	PASS
	Ant2	2462	15.040	2454.480	2469.520	≥0.5	PASS
11N20	Ant1	2412	13.920	2405.680	2419.600	≥0.5	PASS
	Ant2	2412	14.120	2405.440	2419.560	≥0.5	PASS
	Ant1	2437	14.520	2430.640	2445.160	≥0.5	PASS
	Ant2	2437	17.280	2428.160	2445.440	≥0.5	PASS
	Ant1	2462	12.440	2455.440	2467.880	≥0.5	PASS
	Ant2	2462	15.720	2454.440	2470.160	≥0.5	PASS
11N40	Ant1	2422	35.100	2404.420	2439.520	≥0.5	PASS
	Ant2	2422	35.220	2404.360	2439.580	≥0.5	PASS
	Ant1	2437	35.160	2419.420	2454.580	≥0.5	PASS
	Ant2	2437	35.160	2419.420	2454.580	≥0.5	PASS
	Ant1	2452	32.700	2436.880	2469.580	≥0.5	PASS
	Ant2	2452	35.160	2434.360	2469.520	≥0.5	PASS

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Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

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11B_Ant2_2437



11B_Ant1_2462



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11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412

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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



11N40_Ant1_2422



11N40_Ant2_2422



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11N40_Ant1_2437



11N40_Ant2_2437



11N40_Ant1_2452



11N40_Ant2_2452



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.906	2405.533	2418.439	---	PASS
	Ant2	2412	12.765	2405.638	2418.403	---	PASS
	Ant1	2437	12.743	2430.654	2443.397	---	PASS
	Ant2	2437	12.767	2430.610	2443.377	---	PASS
	Ant1	2462	12.771	2455.673	2468.444	---	PASS
	Ant2	2462	12.682	2455.674	2468.356	---	PASS
11G	Ant1	2412	16.947	2403.542	2420.489	---	PASS
	Ant2	2412	16.816	2403.597	2420.413	---	PASS
	Ant1	2437	16.829	2428.592	2445.421	---	PASS
	Ant2	2437	16.820	2428.586	2445.406	---	PASS
	Ant1	2462	16.857	2453.604	2470.461	---	PASS
	Ant2	2462	16.720	2453.670	2470.390	---	PASS
11N20	Ant1	2412	18.045	2402.941	2420.986	---	PASS
	Ant2	2412	17.950	2403.040	2420.990	---	PASS
	Ant1	2437	18.031	2427.986	2446.017	---	PASS
	Ant2	2437	17.950	2428.020	2445.970	---	PASS
	Ant1	2462	17.889	2453.061	2470.950	---	PASS
	Ant2	2462	17.910	2453.057	2470.967	---	PASS
11N40	Ant1	2422	36.137	2403.934	2440.071	---	PASS
	Ant2	2422	36.094	2403.962	2440.056	---	PASS
	Ant1	2437	36.102	2418.968	2455.070	---	PASS
	Ant2	2437	36.059	2418.958	2455.017	---	PASS
	Ant1	2452	36.072	2434.018	2470.090	---	PASS
	Ant2	2452	36.121	2433.944	2470.065	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

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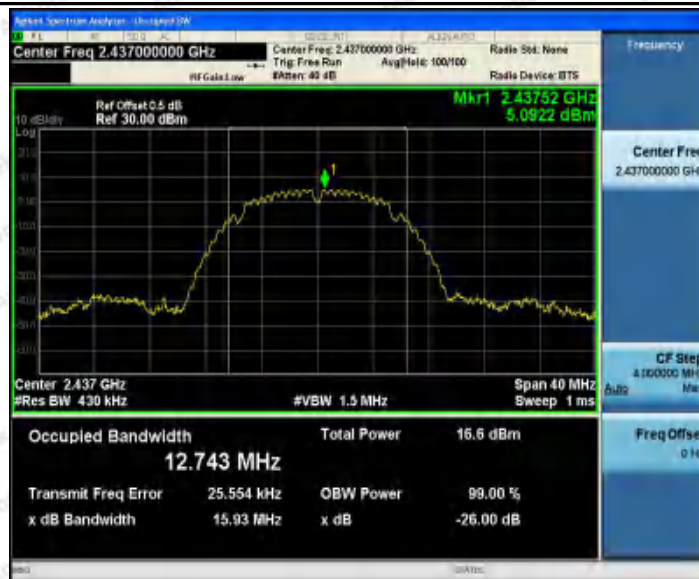
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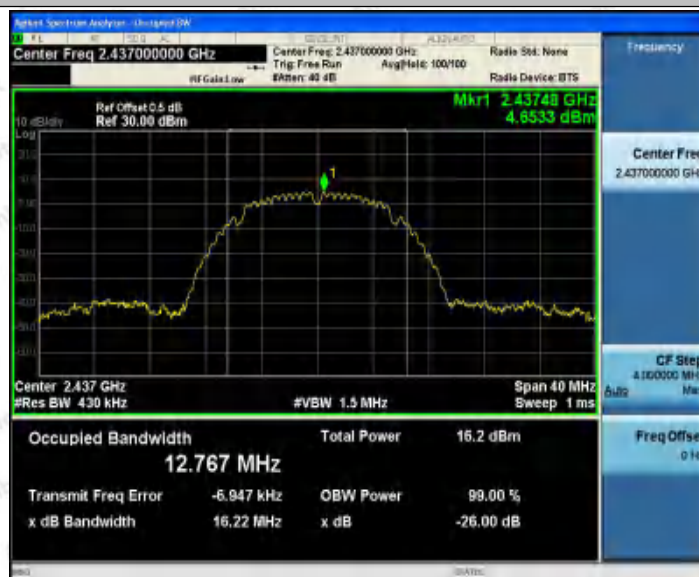
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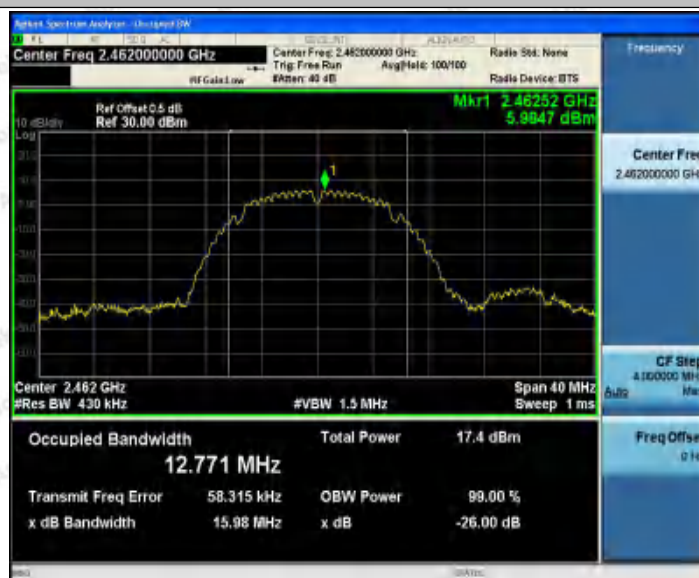
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11B_Ant2_2437



11B_Ant1_2462



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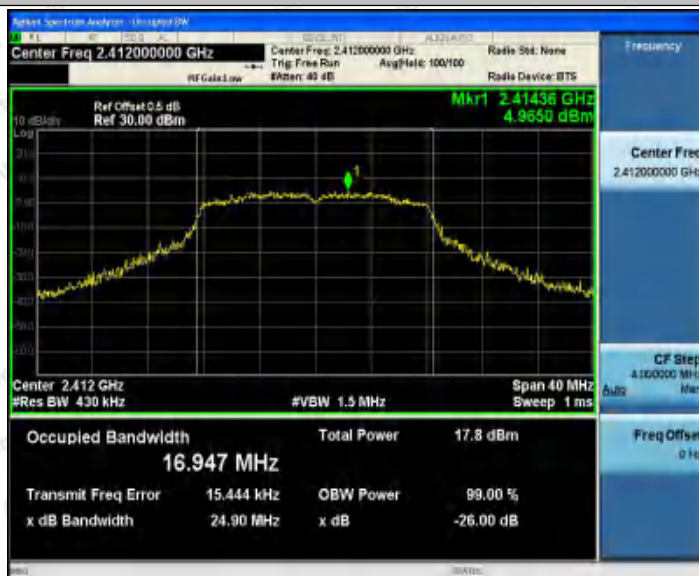
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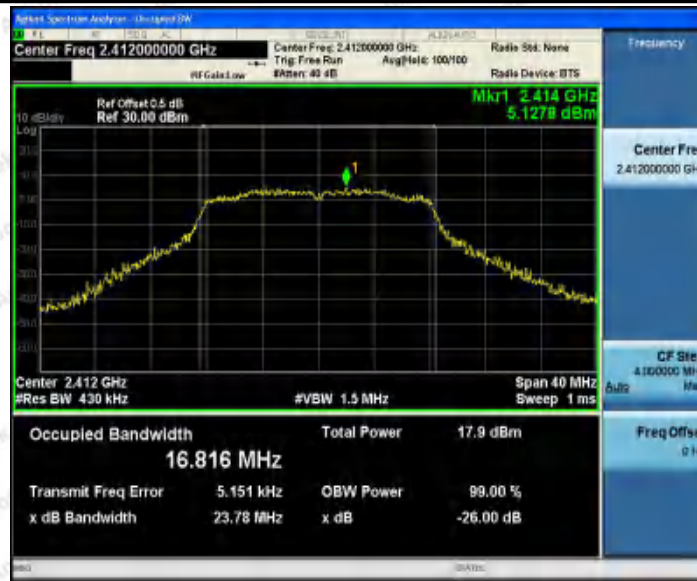
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11G_Ant1_2412



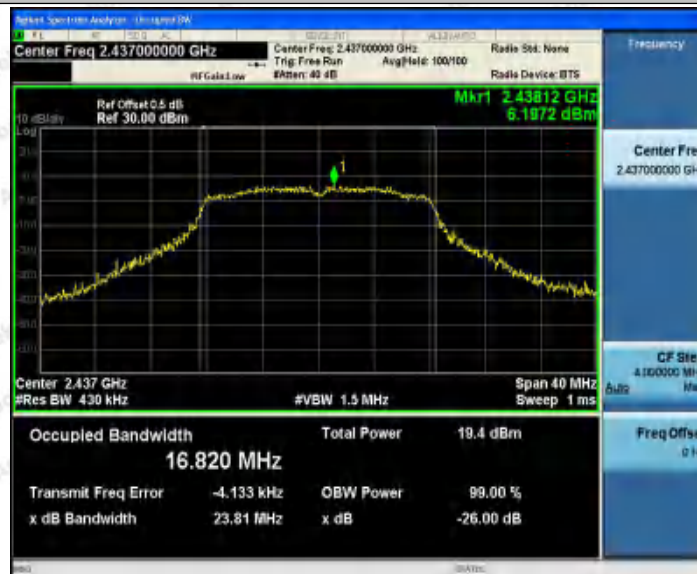
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11G_Ant1_2437



11G_Ant2_2437



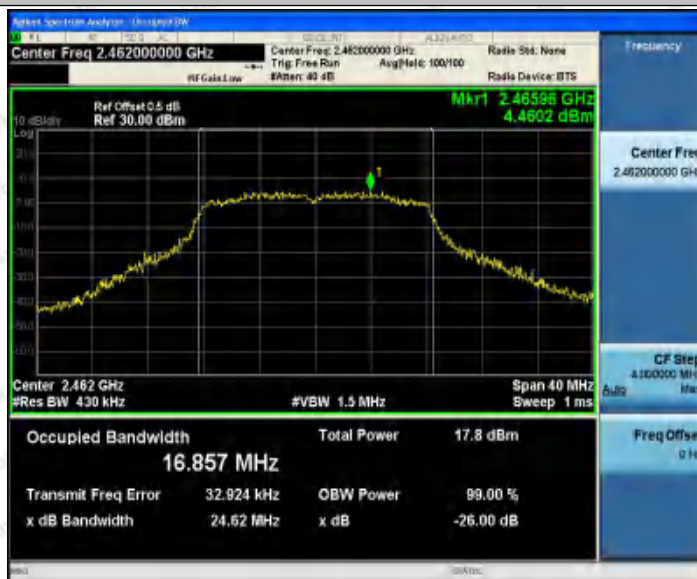
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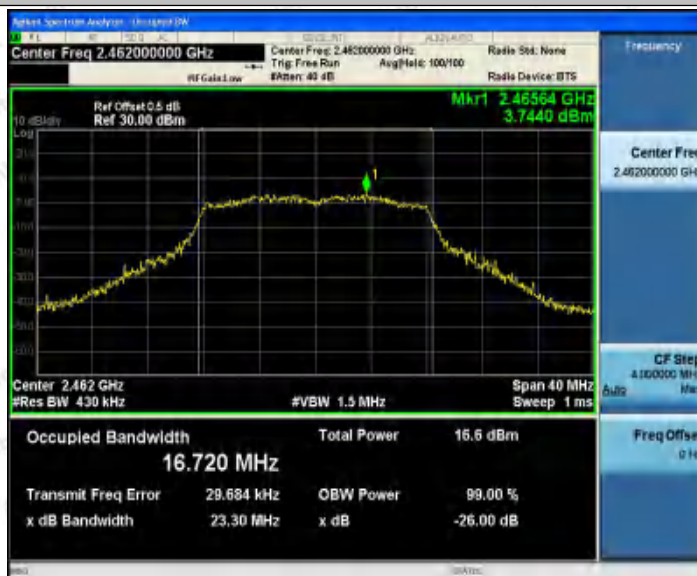
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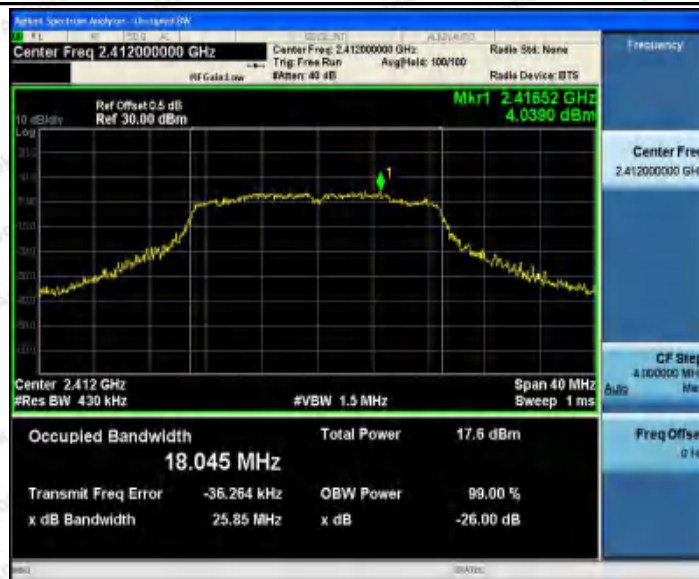
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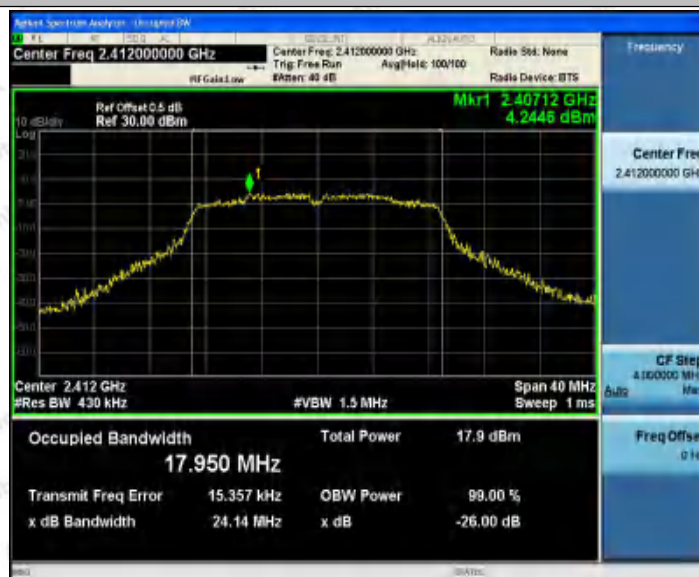
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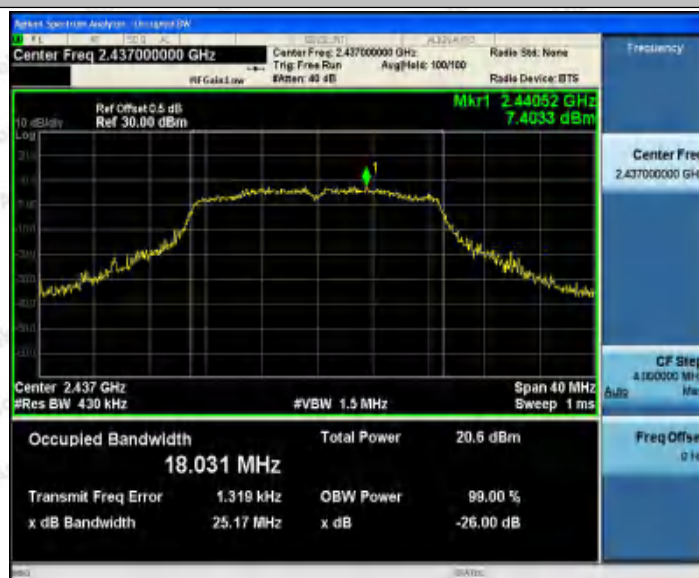
11N20_Ant1_2412



11N20_Ant2_2412



11N20_Ant1_2437



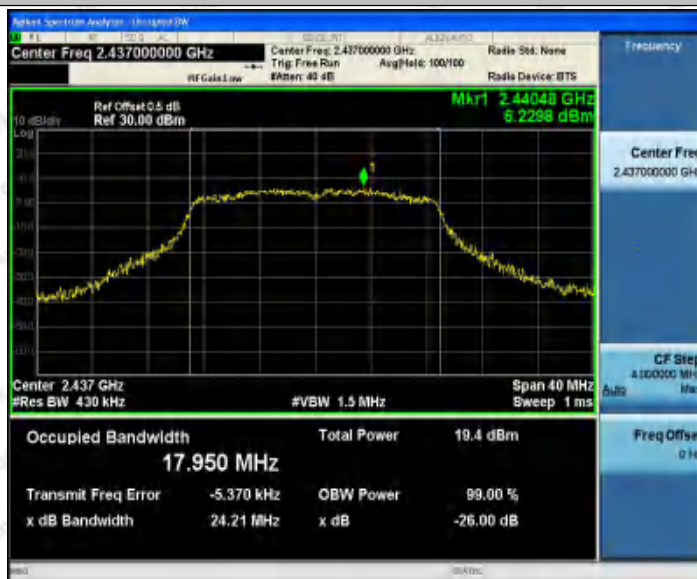
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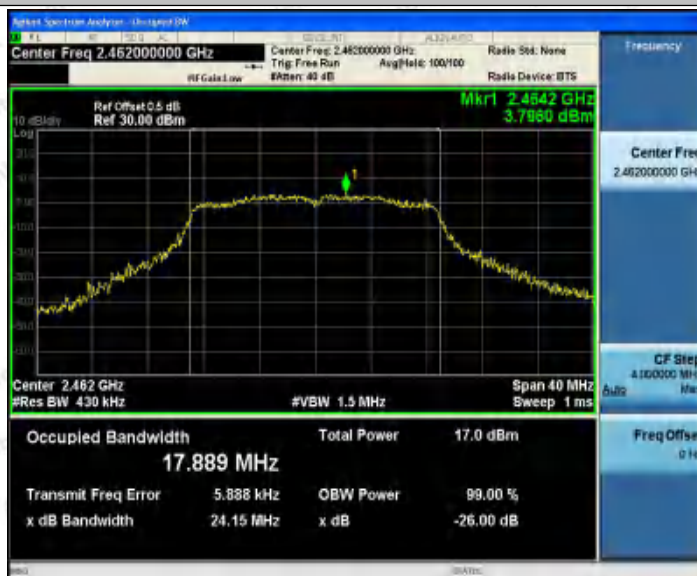
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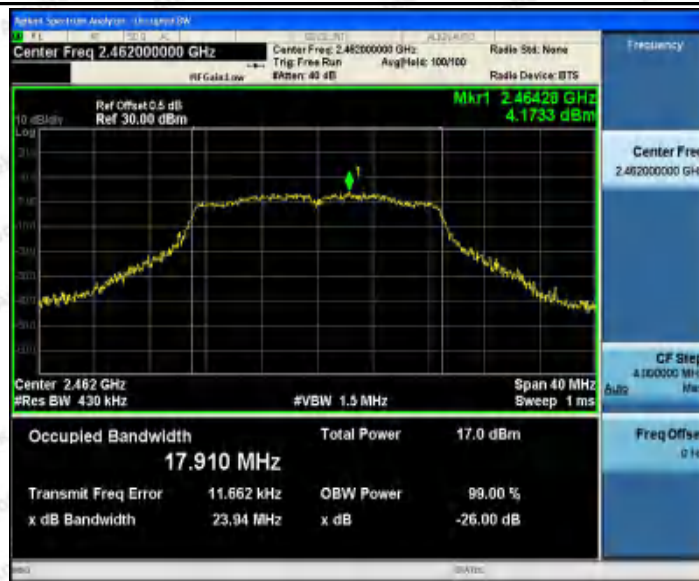
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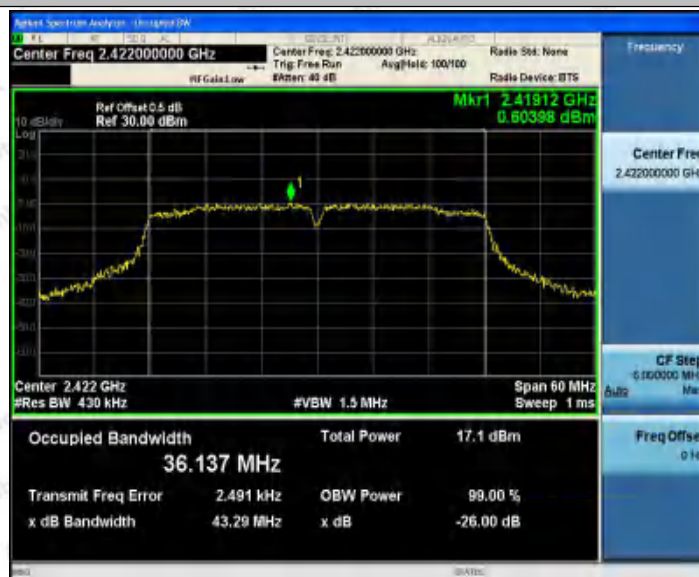
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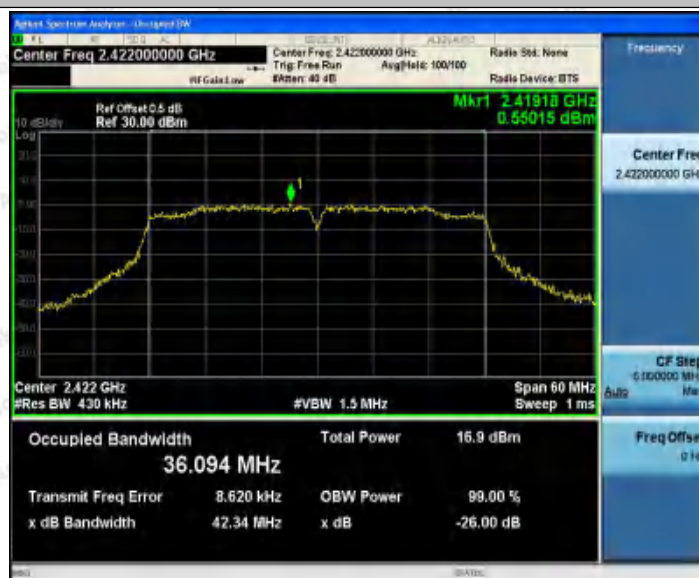
11N20_Ant2_2462



11N40_Ant1_2422



11N40_Ant2_2422



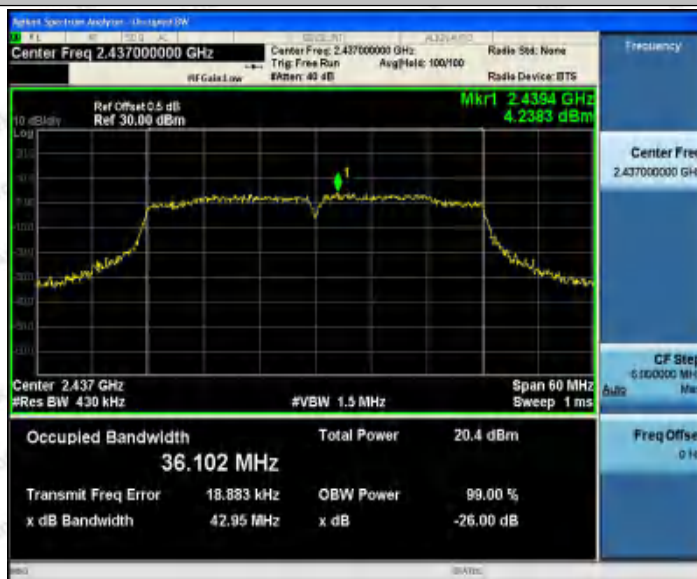
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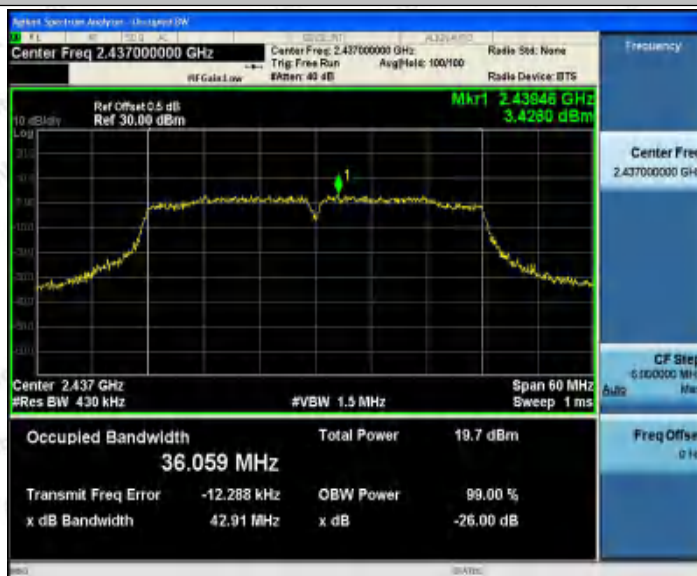
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11N40_Ant1_2437



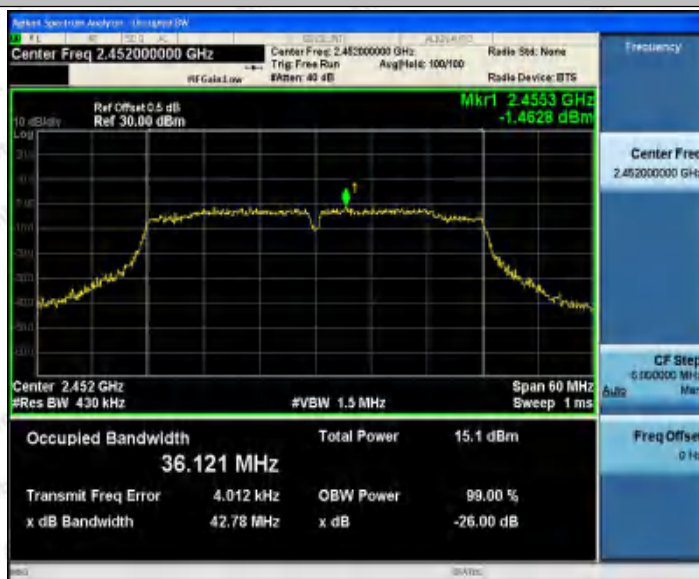
11N40_Ant2_2437



11N40_Ant1_2452



11N40_Ant2_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.13	≤30	PASS
	Ant2	2412	16.86	≤30	PASS
	Ant1	2437	16.53	≤30	PASS
	Ant2	2437	16.19	≤30	PASS
	Ant1	2462	17.37	≤30	PASS
	Ant2	2462	17.71	≤30	PASS
11G	Ant1	2412	18.85	≤30	PASS
	Ant2	2412	19.03	≤30	PASS
	Ant1	2437	21.40	≤30	PASS
	Ant2	2437	20.50	≤30	PASS
	Ant1	2462	18.88	≤30	PASS
	Ant2	2462	17.71	≤30	PASS
11N20	Ant1	2412	18.68	≤30	PASS
	Ant2	2412	19.36	≤30	PASS
	Ant1	2437	21.67	≤30	PASS
	Ant2	2437	20.49	≤30	PASS
	Ant1	2462	18.14	≤30	PASS
	Ant2	2462	18.05	≤30	PASS
11N40	Ant1	2422	16.16	≤30	PASS
	Ant2	2422	15.97	≤30	PASS
	Ant1	2437	19.58	≤30	PASS
	Ant2	2437	18.84	≤30	PASS
	Ant1	2452	16.18	≤30	PASS
	Ant2	2452	14.42	≤30	PASS

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11N20	Ant1+Ant2	2412	22.04	≤30	PASS
	Ant1+Ant2	2437	24.13	≤30	PASS
	Ant1+Ant2	2462	21.11	≤30	PASS
11N40	Ant1+Ant2	2422	19.08	≤30	PASS
	Ant1+Ant2	2437	22.24	≤30	PASS
	Ant1+Ant2	2452	18.40	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

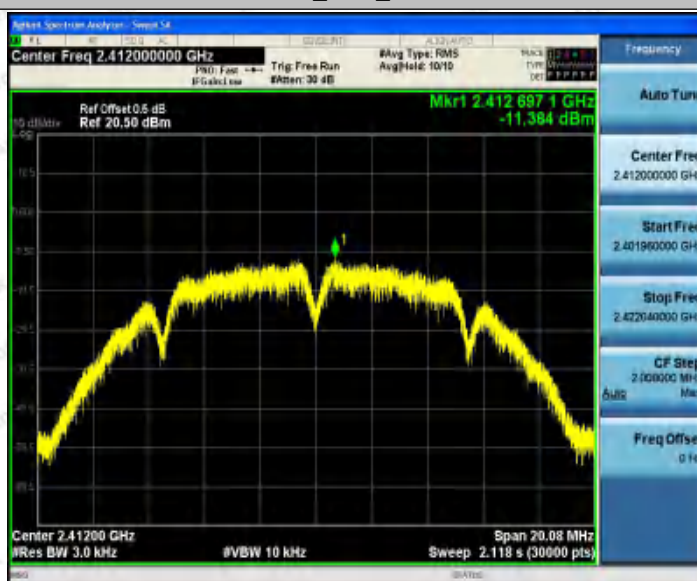
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11B	Ant1	2412	-11.38	≤8	PASS
	Ant2	2412	-10.71	≤8	PASS
	Ant1	2437	-10.84	≤8	PASS
	Ant2	2437	-10.09	≤8	PASS
	Ant1	2462	-9.77	≤8	PASS
	Ant2	2462	-9.68	≤8	PASS
11G	Ant1	2412	-12.81	≤8	PASS
	Ant2	2412	-12.7	≤8	PASS
	Ant1	2437	-10.1	≤8	PASS
	Ant2	2437	-9.72	≤8	PASS
	Ant1	2462	-12.94	≤8	PASS
	Ant2	2462	-14.36	≤8	PASS
11N20	Ant1	2412	-13.5	≤8	PASS
	Ant2	2412	-13.02	≤8	PASS
	Ant1	2437	-10.02	≤8	PASS
	Ant2	2437	-9.91	≤8	PASS
	Ant1	2462	-12.19	≤8	PASS
	Ant2	2462	-13.65	≤8	PASS
11N40	Ant1	2422	-16.12	≤8	PASS
	Ant2	2422	-16.7	≤8	PASS
	Ant1	2437	-12.6	≤8	PASS
	Ant2	2437	-13	≤8	PASS
	Ant1	2452	-15.82	≤8	PASS
	Ant2	2452	-17.12	≤8	PASS

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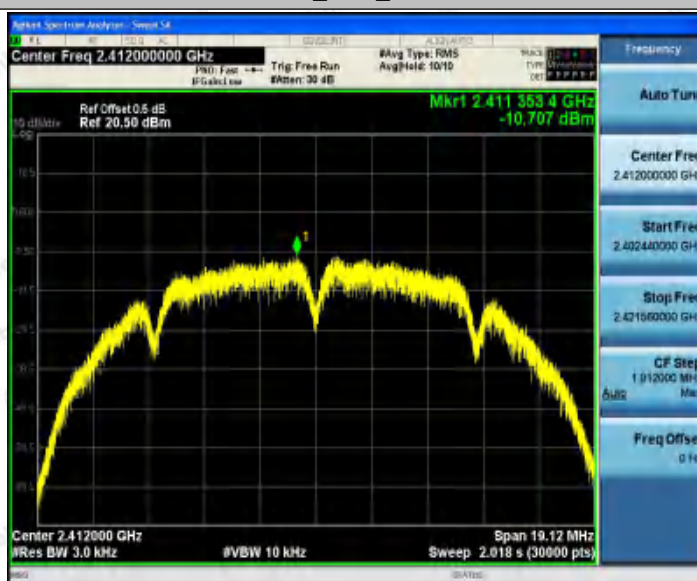
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	Ant1+Ant2	2437	-6.95	≤8	PASS
	Ant1+Ant2	2462	-9.85	≤8	PASS
11N40	Ant1+Ant2	2422	-13.39	≤8	PASS
	Ant1+Ant2	2437	-9.79	≤8	PASS
	Ant1+Ant2	2452	-13.41	≤8	PASS

Test Graphs

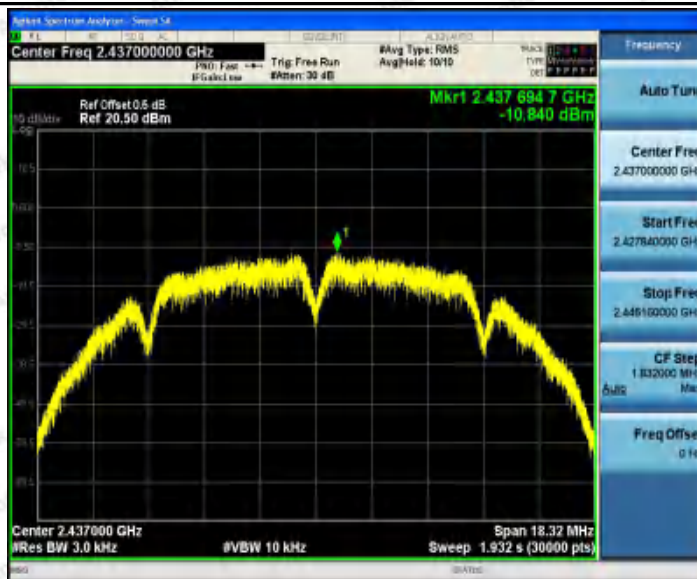
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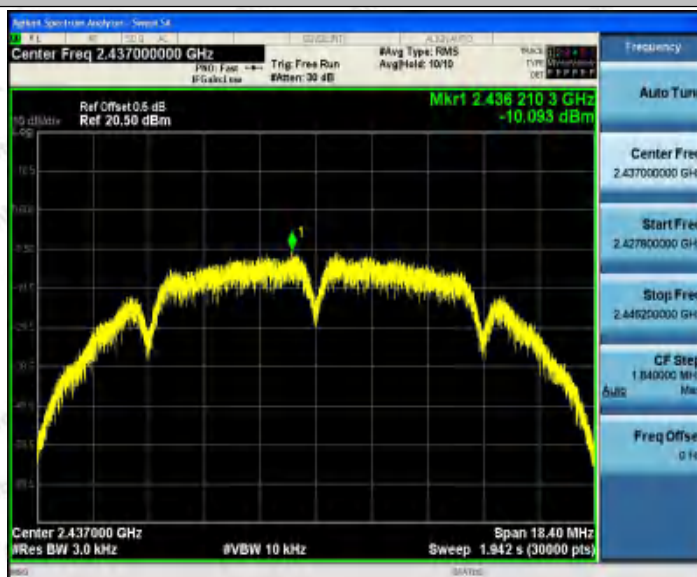
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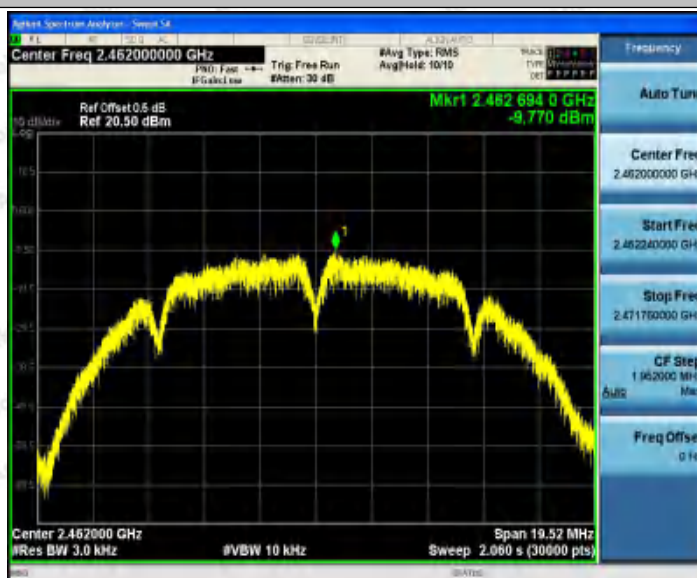
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11B_Ant2_2437



11B_Ant1_2462



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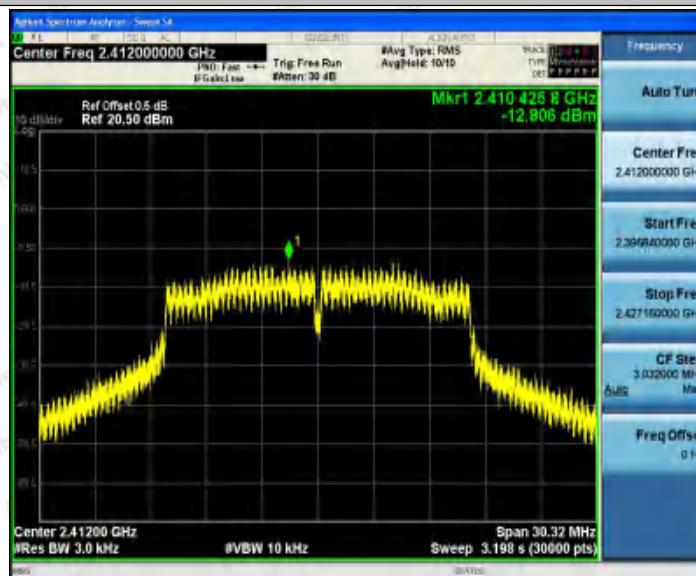
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11B_Ant2_2462



11G_Ant1_2412



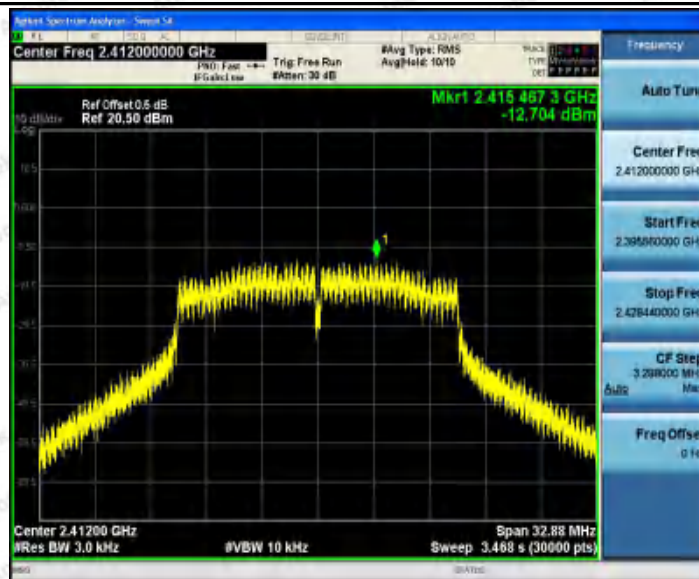
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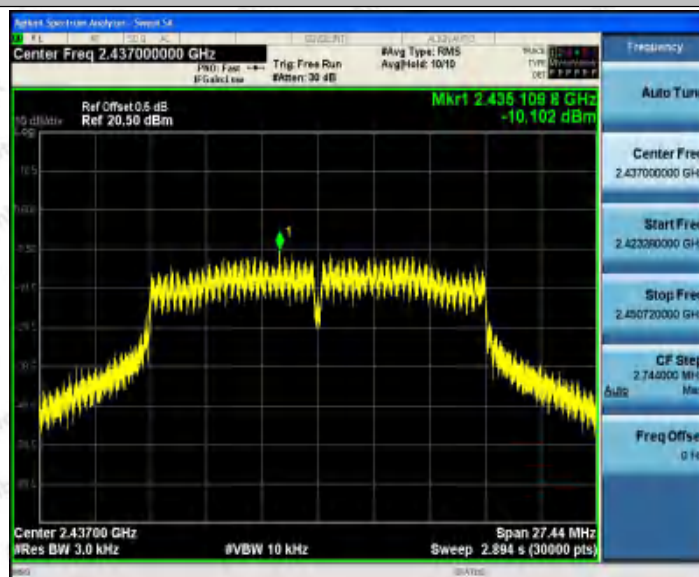
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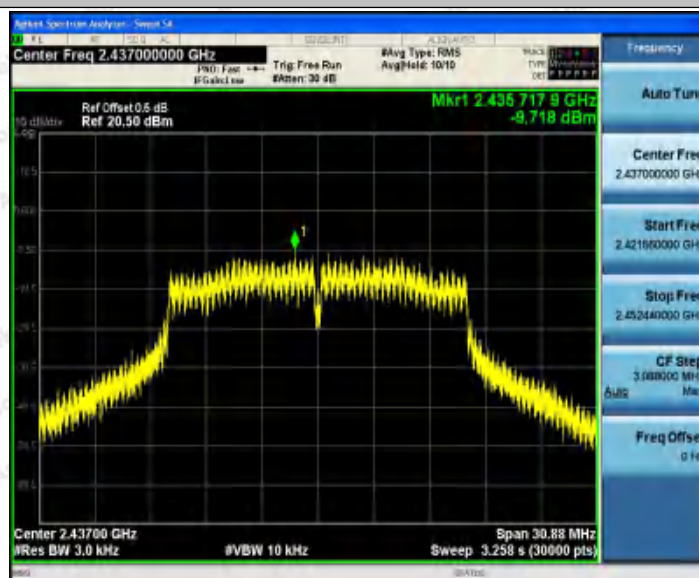
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11G_Ant1_2437



11G_Ant2_2437



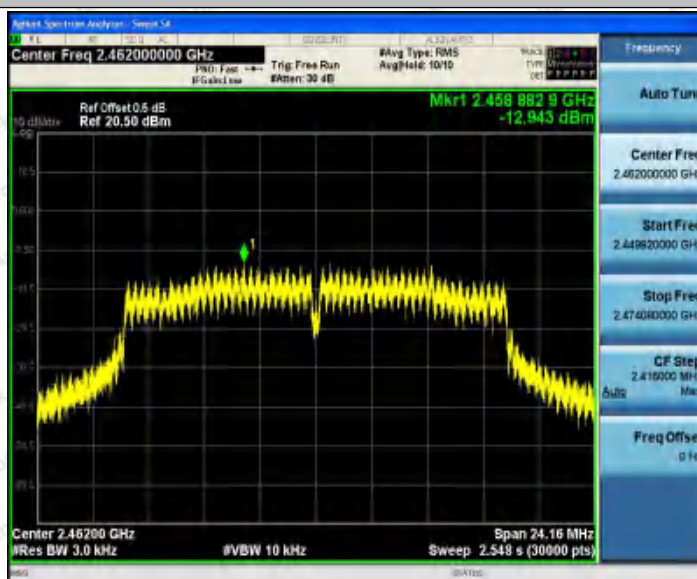
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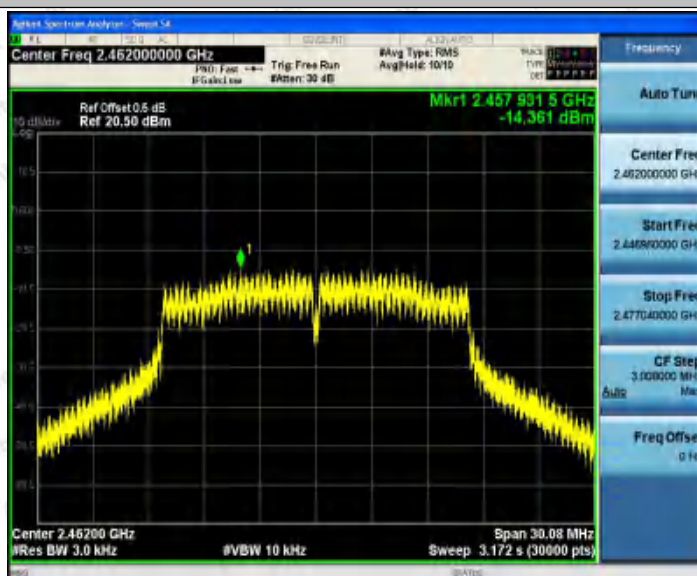
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11G_Ant1_2462



11G_Ant2_2462



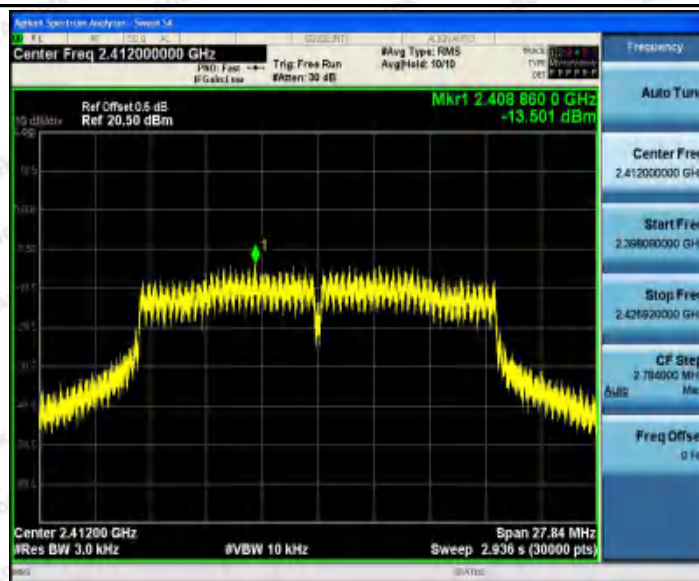
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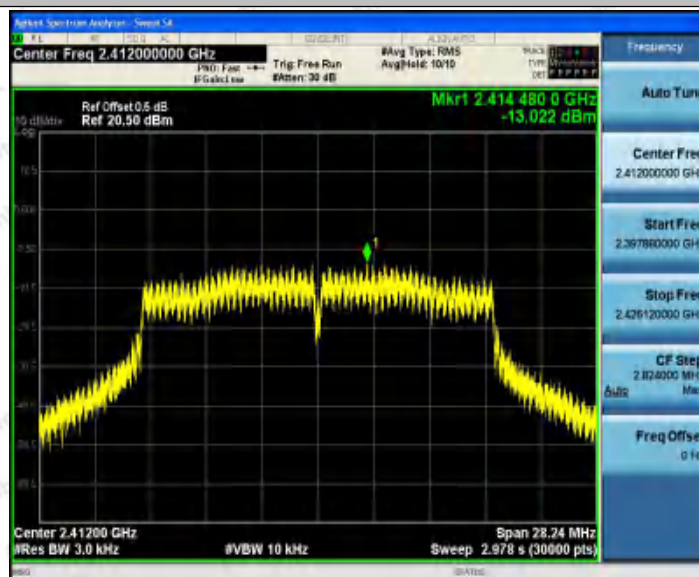
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

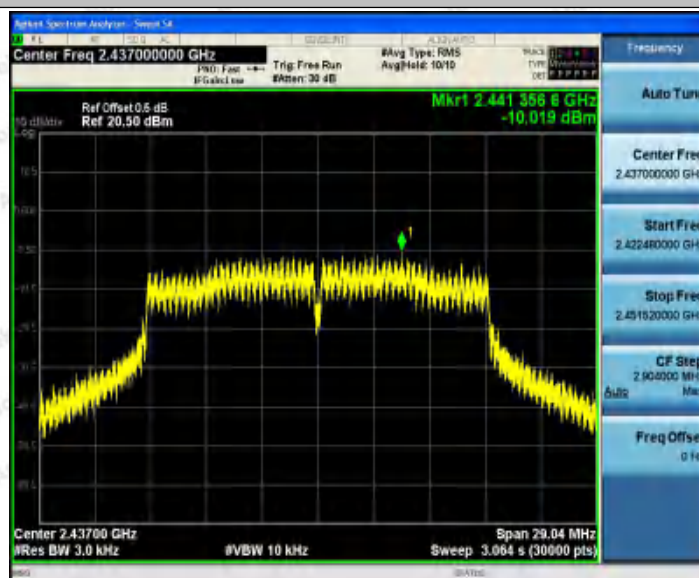
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11N20_Ant2_2412



11N20_Ant1_2437



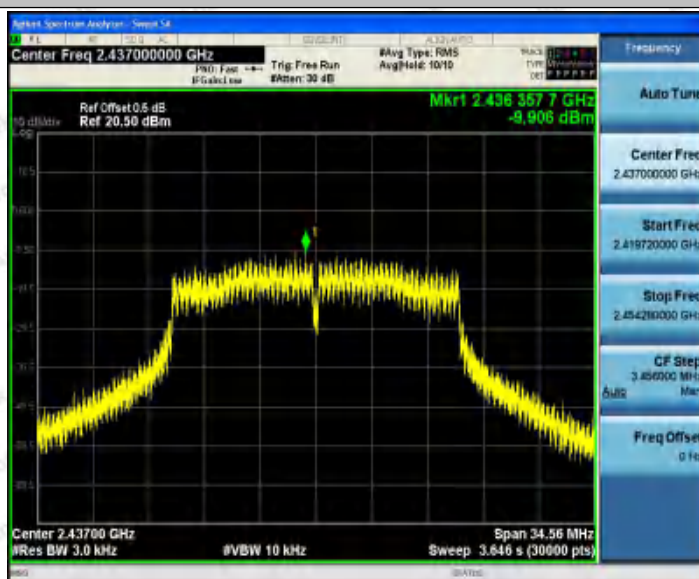
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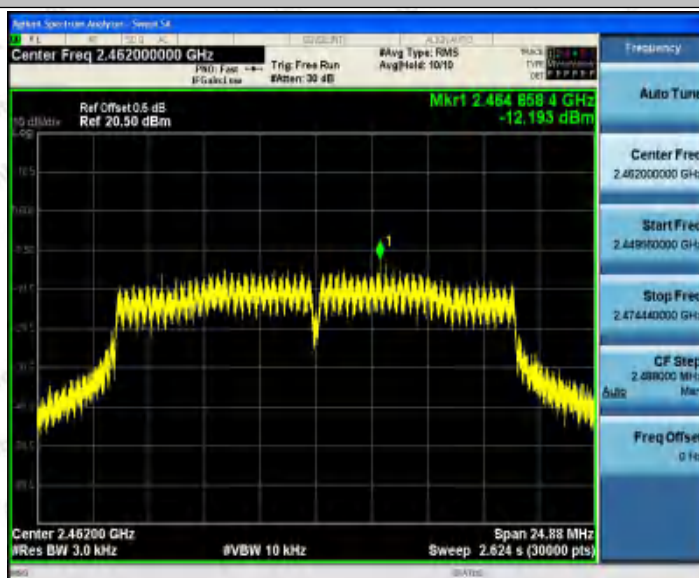
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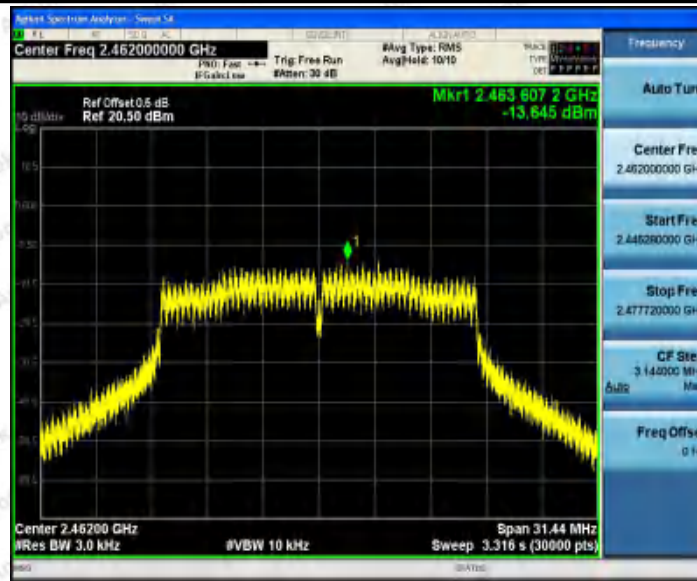
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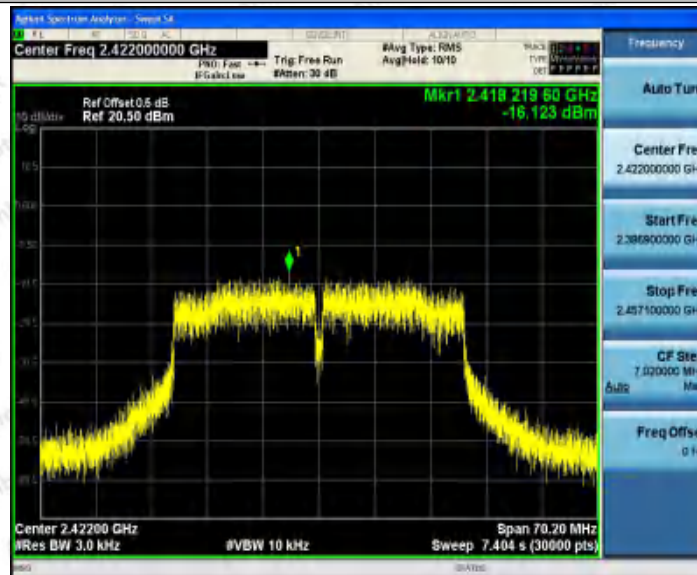
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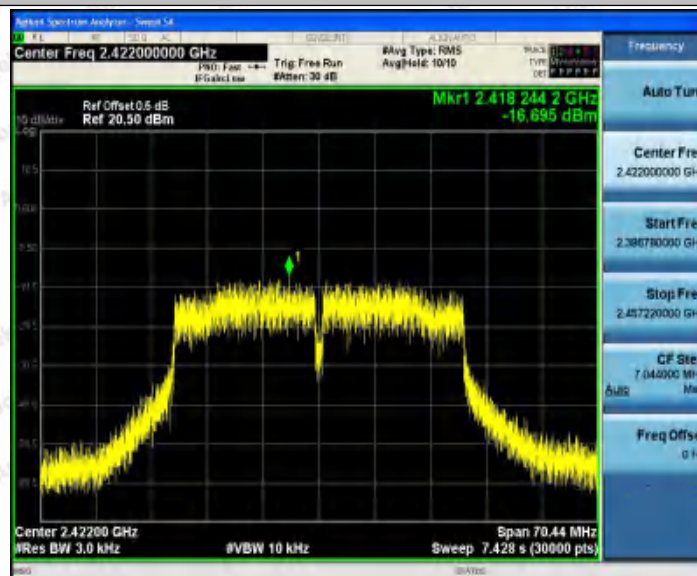
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11N40_Ant1_2422



11N40_Ant2_2422



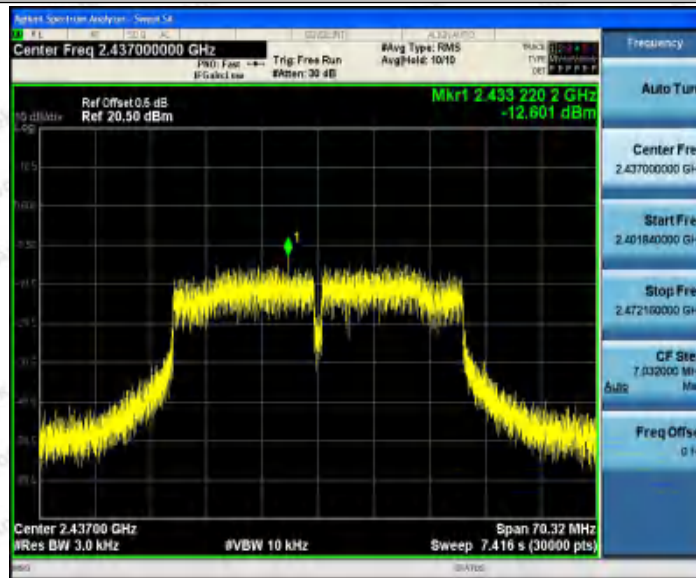
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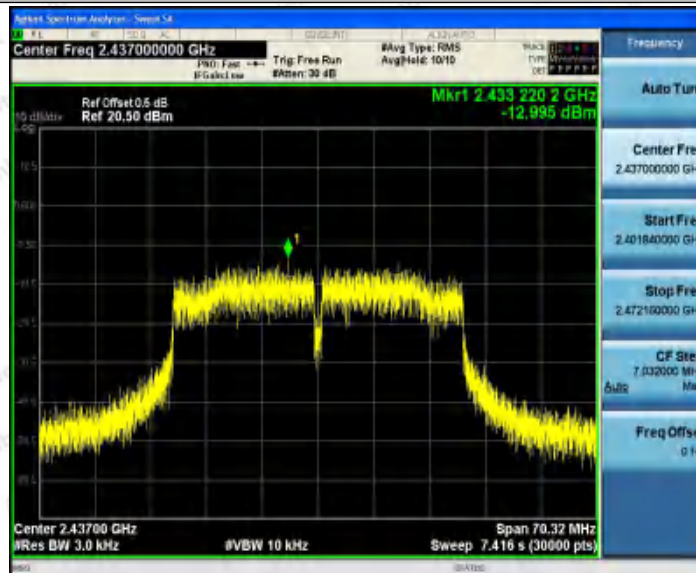
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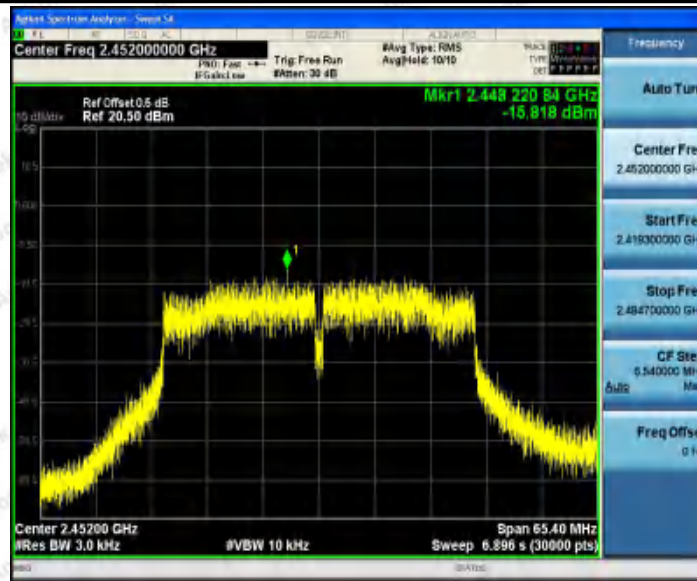
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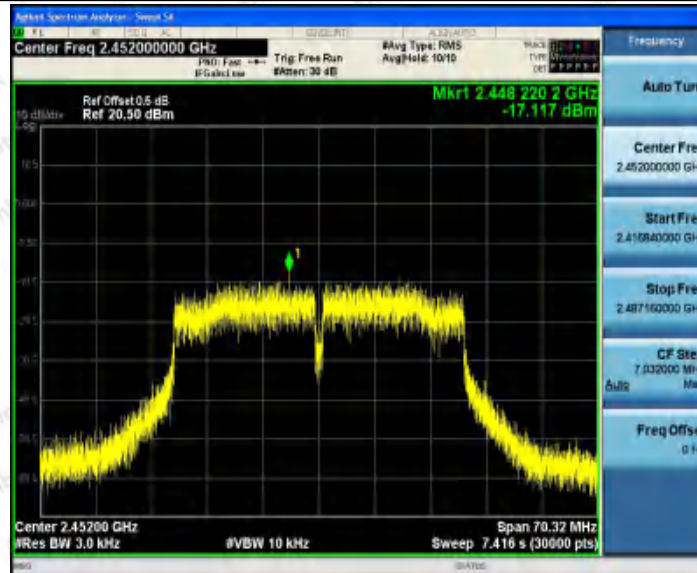
11N40_Ant2_2437



11N40 Ant1 2452



11N40_Ant2_2452



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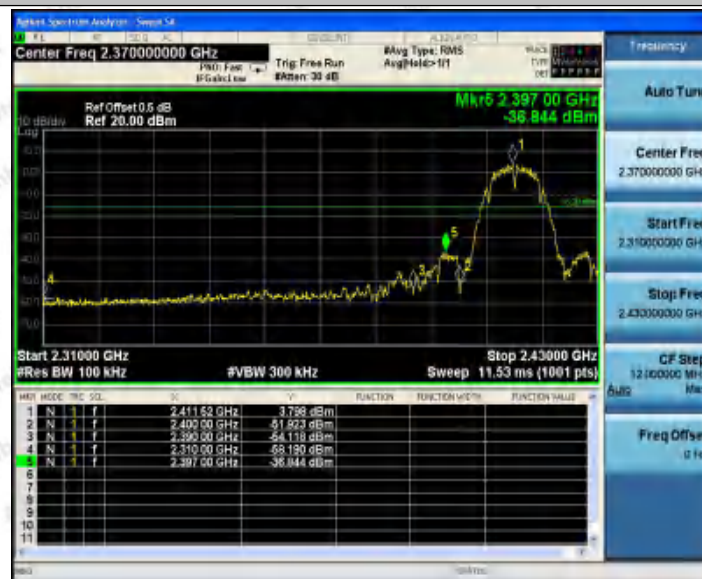
Appendix E: Band edge measurements

Test Result

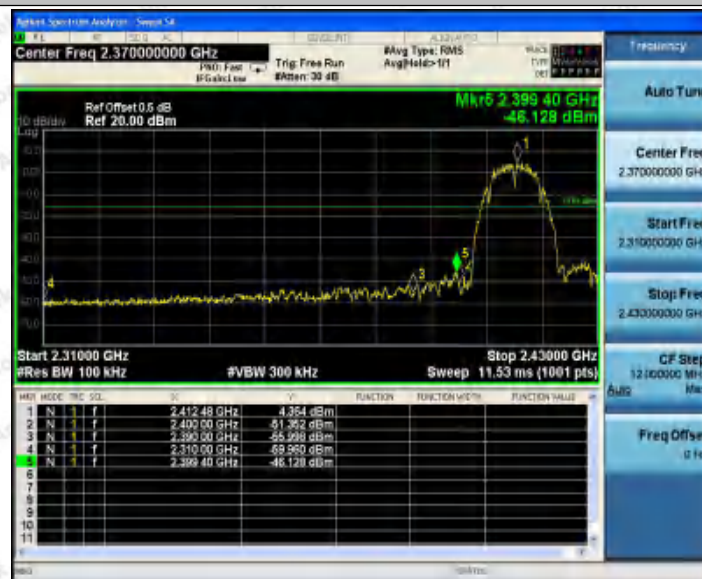
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.80	-36.84	≤ -16.2	PASS
	Ant2	Low	2412	4.36	-46.34	≤ -15.64	PASS
	Ant1	High	2462	5.19	-46.48	≤ -14.81	PASS
	Ant2	High	2462	5.11	-49.27	≤ -14.89	PASS
11G	Ant1	Low	2412	0.30	-28.34	≤ -19.7	PASS
	Ant2	Low	2412	1.80	-29.66	≤ -18.2	PASS
	Ant1	High	2462	0.95	-45.1	≤ -19.05	PASS
	Ant2	High	2462	0.18	-50.15	≤ -19.82	PASS
11N20	Ant1	Low	2412	0.67	-28.61	≤ -19.33	PASS
	Ant2	Low	2412	1.34	-28.89	≤ -18.66	PASS
	Ant1	High	2462	1.14	-42.82	≤ -18.86	PASS
	Ant2	High	2462	0.96	-49.2	≤ -19.04	PASS
11N40	Ant1	Low	2422	-2.94	-32.08	≤ -22.94	PASS
	Ant2	Low	2422	-2.56	-34.23	≤ -22.56	PASS
	Ant1	High	2452	-2.29	-36.82	≤ -22.29	PASS
	Ant2	High	2452	-3.72	-42.91	≤ -23.72	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462

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11B_Ant2_High_2462



11G_Ant1_Low_2412



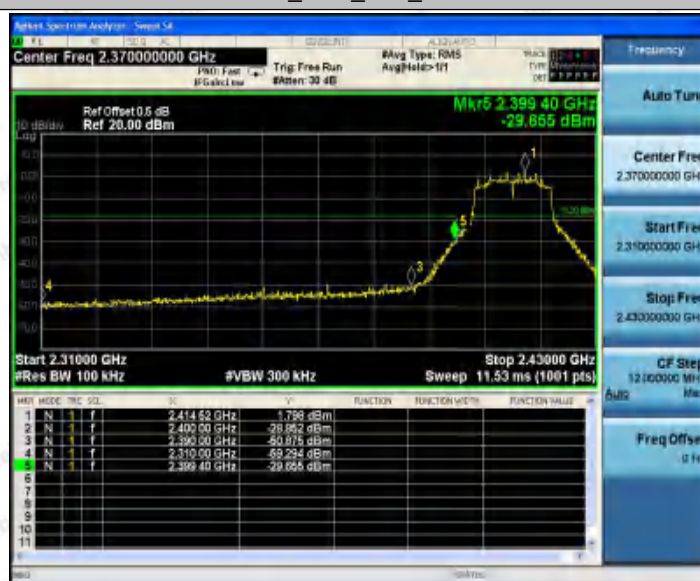
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11G_Ant2_Low_2412



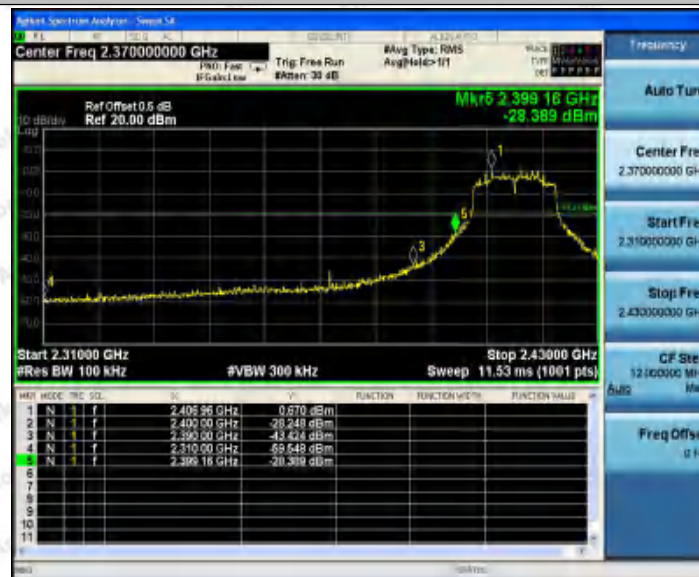
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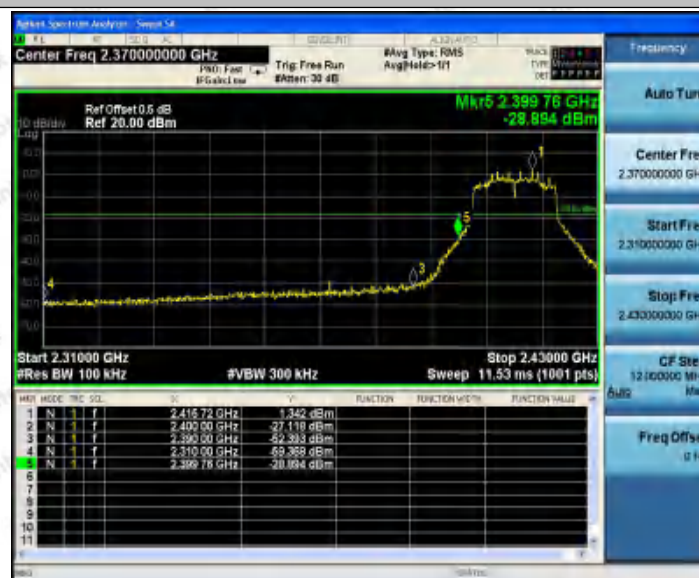
11G_Ant2_High_2462



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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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-69.83	≤-17.03	PASS
			1000~26500	2.97	-54.19	≤-17.03	PASS
	Ant2	2412	Reference	3.70	3.70	---	PASS
			30~1000	3.70	-69.65	≤-16.31	PASS
			1000~26500	3.70	-54.04	≤-16.31	PASS
	Ant1	2437	Reference	4.29	4.29	---	PASS
			30~1000	4.29	-69.63	≤-15.71	PASS
			1000~26500	4.29	-54.62	≤-15.71	PASS
	Ant2	2437	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-69.63	≤-16	PASS
			1000~26500	4.00	-54.36	≤-16	PASS
	Ant1	2462	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-69.65	≤-14.79	PASS
			1000~26500	5.21	-54.11	≤-14.79	PASS
	Ant2	2462	Reference	5.37	5.37	---	PASS
			30~1000	5.37	-68.79	≤-14.64	PASS
			1000~26500	5.37	-53.29	≤-14.64	PASS
11G	Ant1	2412	Reference	1.16	1.16	---	PASS
			30~1000	1.16	-69.4	≤-18.84	PASS
			1000~26500	1.16	-53.96	≤-18.84	PASS
	Ant2	2412	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-69.48	≤-18.22	PASS
			1000~26500	1.78	-55.02	≤-18.22	PASS
	Ant1	2437	Reference	3.77	3.77	---	PASS
			30~1000	3.77	-69.57	≤-16.23	PASS
			1000~26500	3.77	-53.89	≤-16.23	PASS
	Ant2	2437	Reference	3.26	3.26	---	PASS
			30~1000	3.26	-68.93	≤-16.74	PASS
			1000~26500	3.26	-54.81	≤-16.74	PASS
	Ant1	2462	Reference	0.81	0.81	---	PASS
			30~1000	0.81	-69.49	≤-19.19	PASS
			1000~26500	0.81	-54.66	≤-19.19	PASS
11N20	Ant2	2462	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-69.94	≤-19.69	PASS
			1000~26500	0.31	-54.55	≤-19.69	PASS
11N20	Ant1	2412	Reference	1.04	1.04	---	PASS

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			30~1000	1.04	-69.73	≤ -18.96	PASS
			1000~26500	1.04	-55.27	≤ -18.96	PASS
	Ant2	2412	Reference	1.87	1.87	---	PASS
			30~1000	1.87	-69.65	≤ -18.13	PASS
			1000~26500	1.87	-53.98	≤ -18.13	PASS
	Ant1	2437	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-69.56	≤ -15.78	PASS
			1000~26500	4.22	-54.24	≤ -15.78	PASS
	Ant2	2437	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-69.72	≤ -15.97	PASS
			1000~26500	4.03	-53.05	≤ -15.97	PASS
	Ant1	2462	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-69.97	≤ -19.57	PASS
			1000~26500	0.43	-54.89	≤ -19.57	PASS
	Ant2	2462	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-69.73	≤ -19.08	PASS
			1000~26500	0.92	-55.4	≤ -19.08	PASS
11N40	Ant1	2422	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-69.06	≤ -22.77	PASS
			1000~26500	-2.77	-55.3	≤ -22.77	PASS
	Ant2	2422	Reference	-2.27	-2.27	---	PASS
			30~1000	-2.27	-68.6	≤ -22.27	PASS
			1000~26500	-2.27	-55.07	≤ -22.27	PASS
	Ant1	2437	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-68.96	≤ -19.21	PASS
			1000~26500	0.79	-54.23	≤ -19.21	PASS
	Ant2	2437	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-69.22	≤ -19.45	PASS
			1000~26500	0.55	-54.59	≤ -19.45	PASS
	Ant1	2452	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-70.21	≤ -22.08	PASS
			1000~26500	-2.08	-53.48	≤ -22.08	PASS
	Ant2	2452	Reference	-3.93	-3.93	---	PASS
			30~1000	-3.93	-70.33	≤ -23.93	PASS
			1000~26500	-3.93	-54.33	≤ -23.93	PASS

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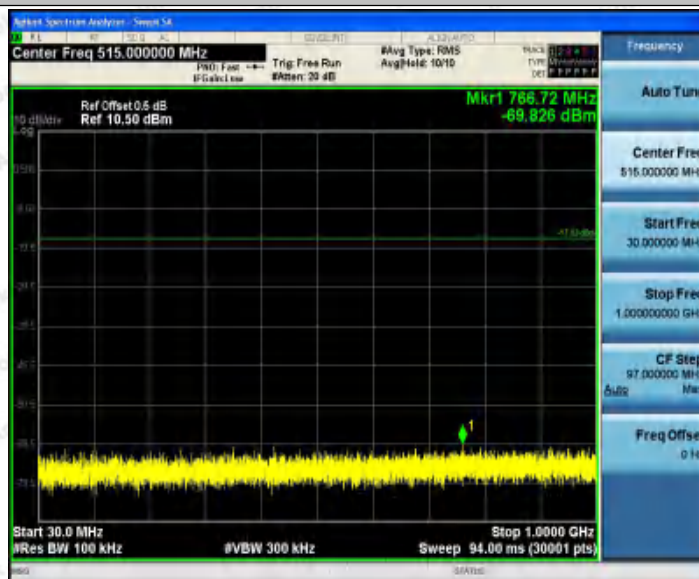
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Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

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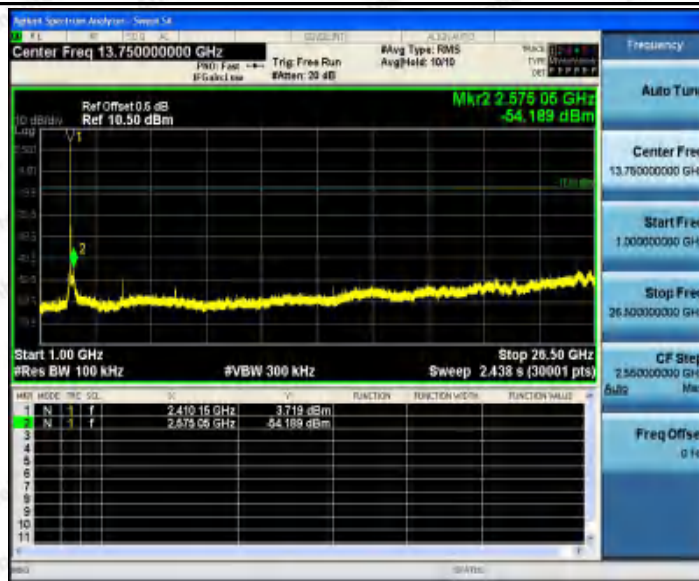
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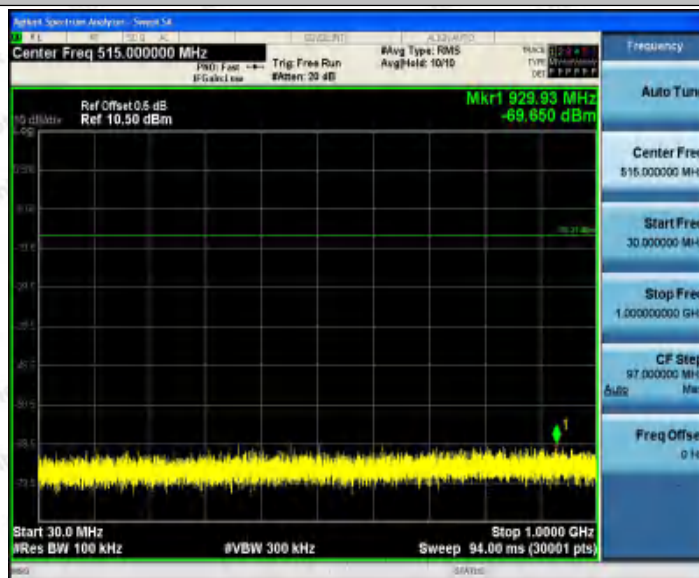
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11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



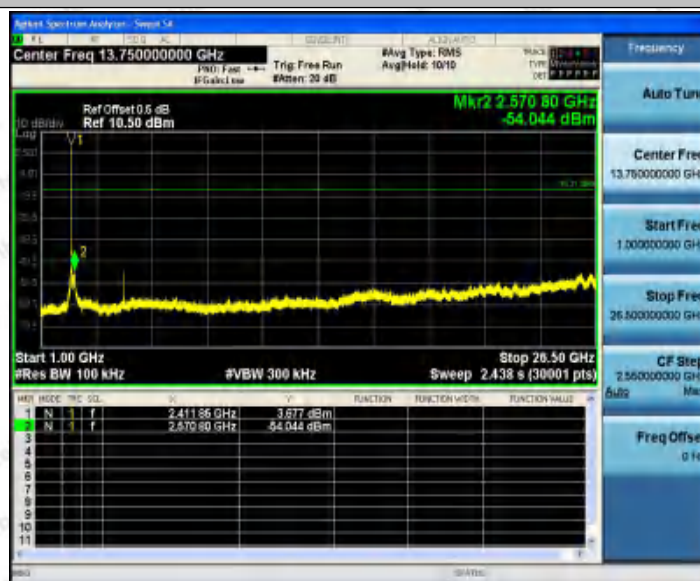
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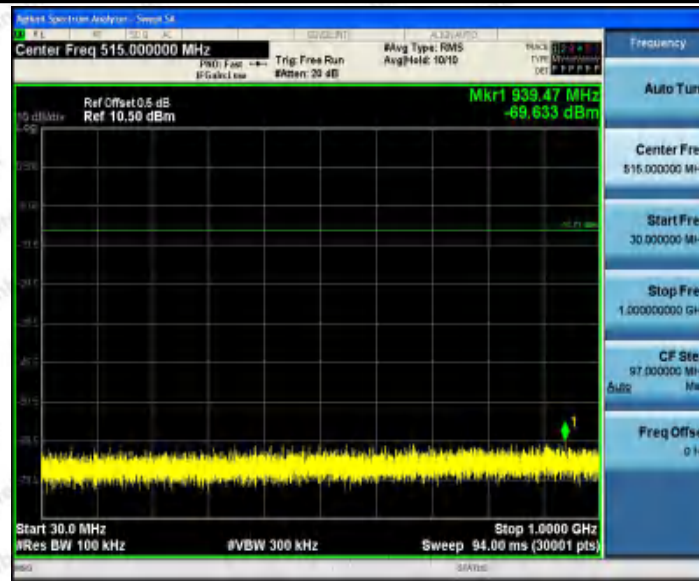
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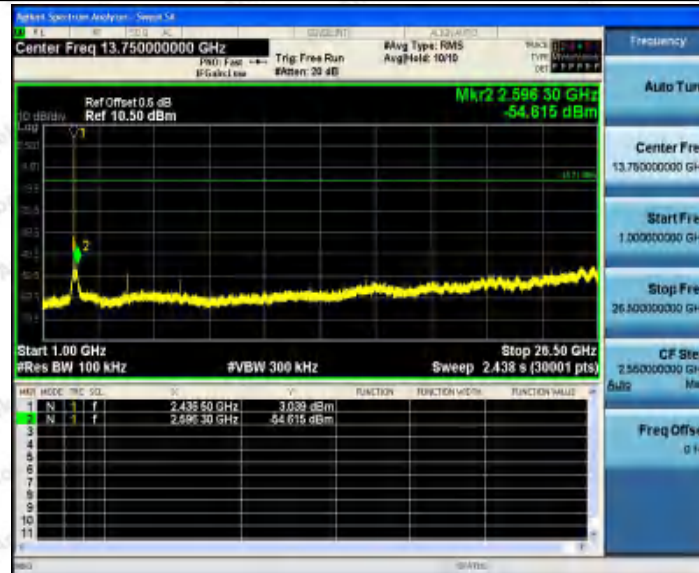
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11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant2_2437_0~Reference



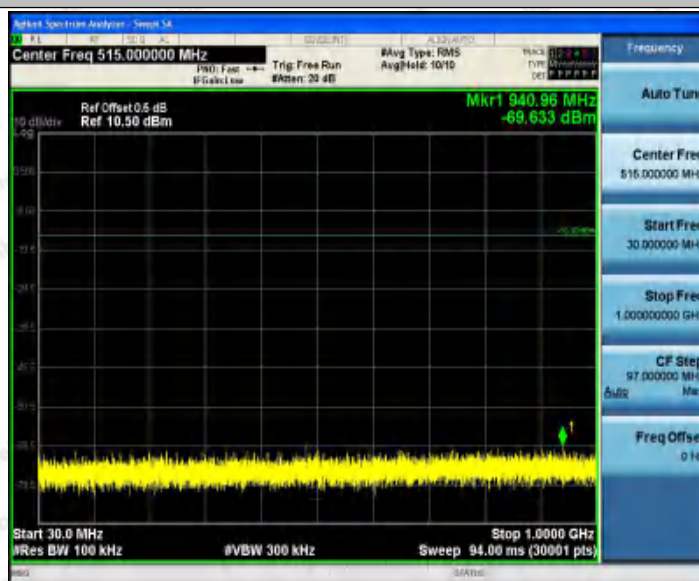
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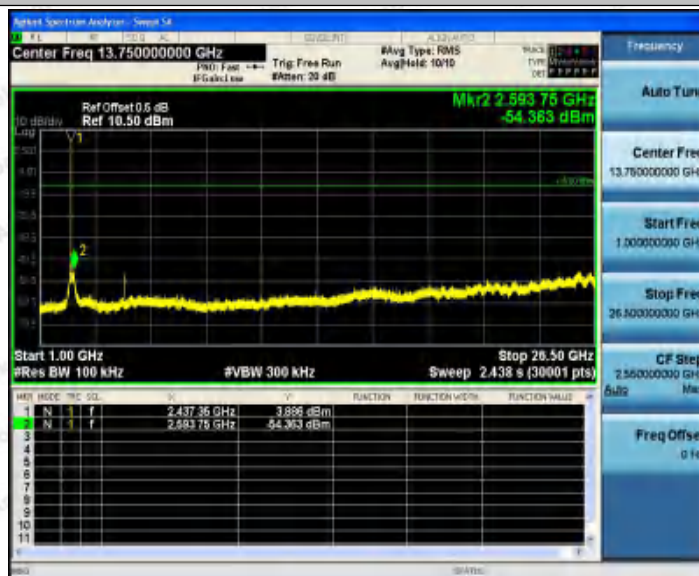
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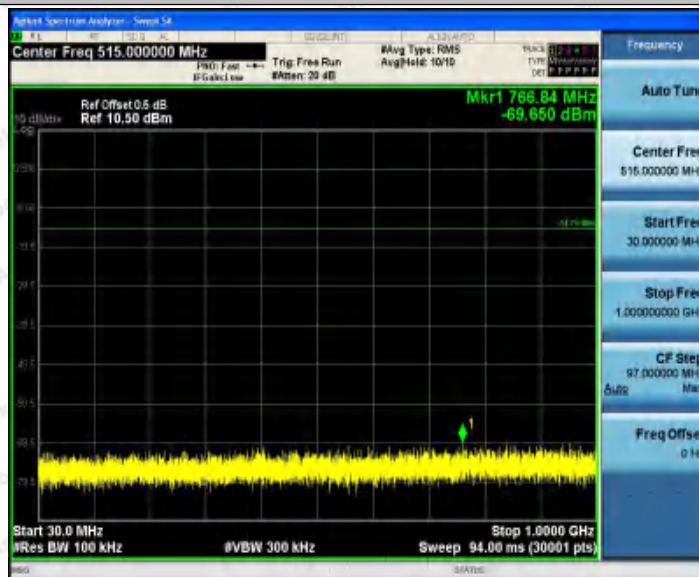
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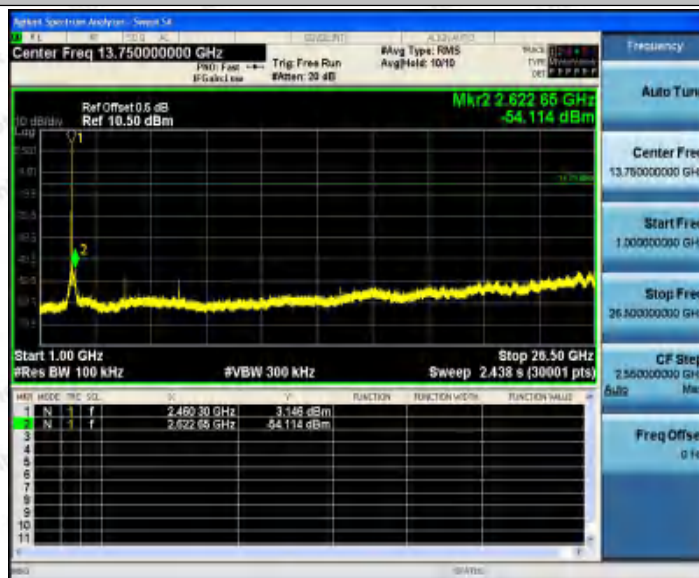
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11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



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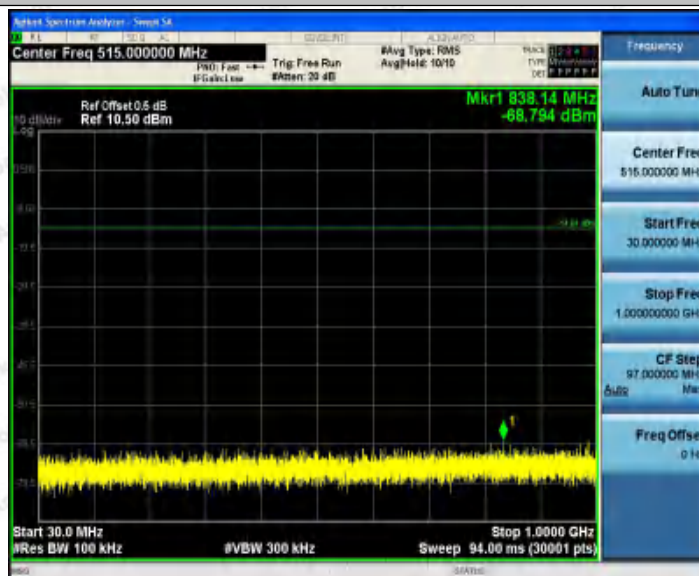
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11B_Ant2_2462_30~1000



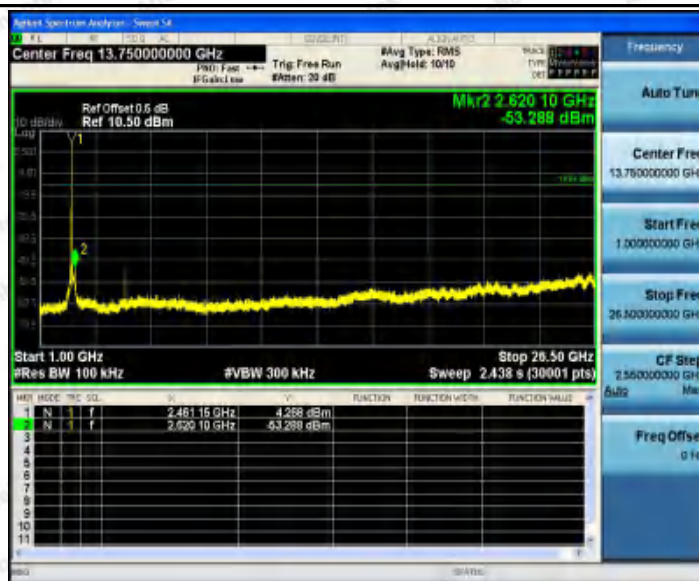
11B_Ant2_2462_1000~26500

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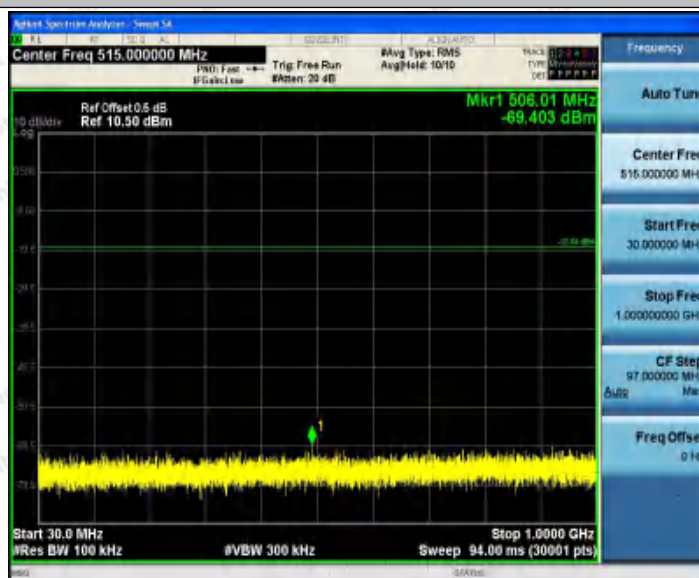
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11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



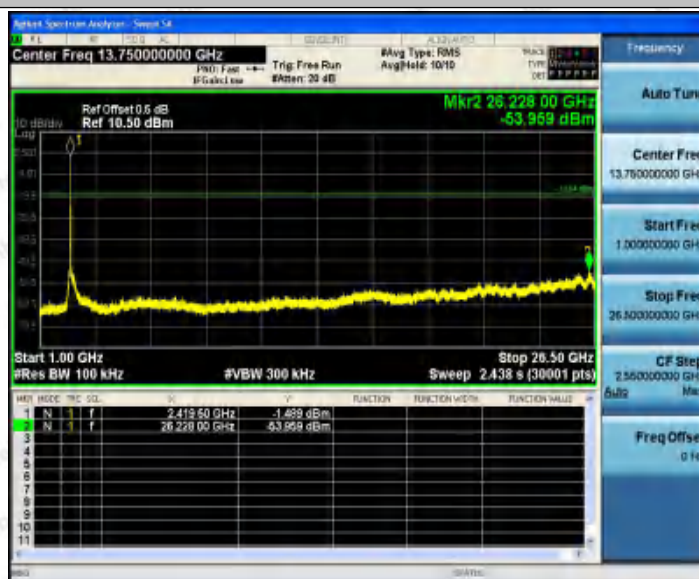
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11G_Ant1_2412_1000~26500



11G_Ant2_2412_0~Reference



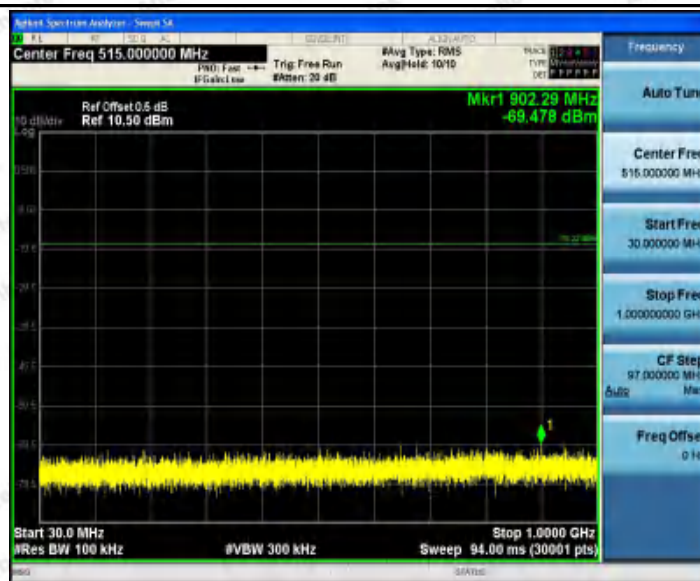
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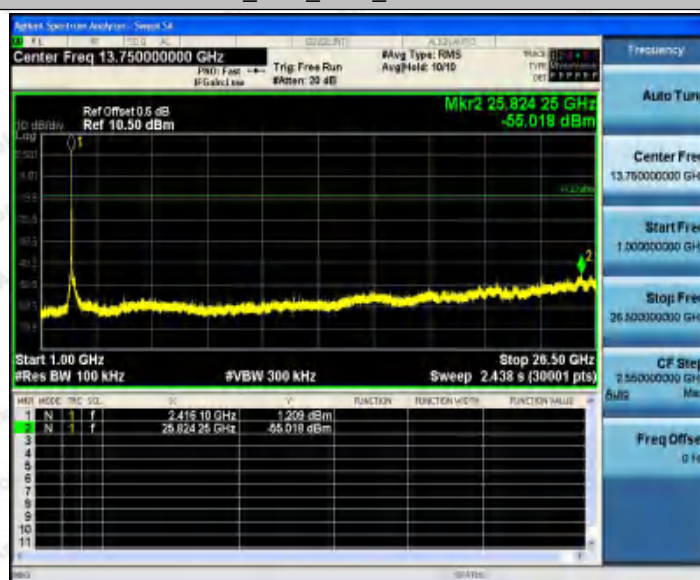
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11G_Ant2_2412_1000~26500



11G_Ant1_2437_0~Reference



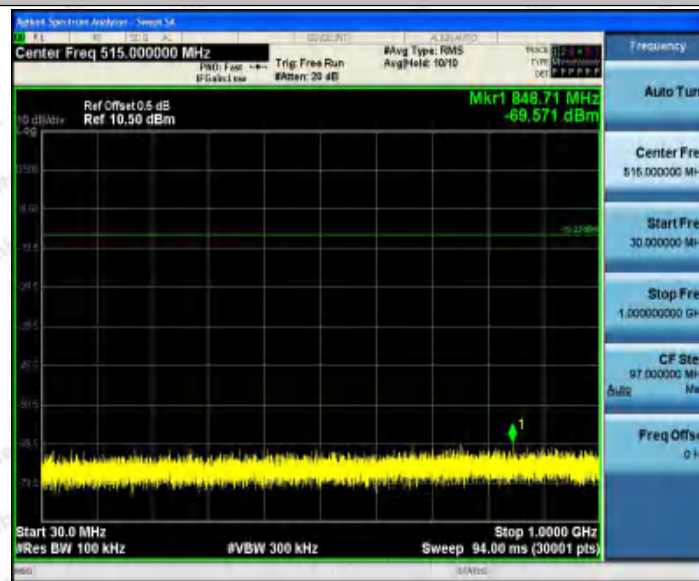
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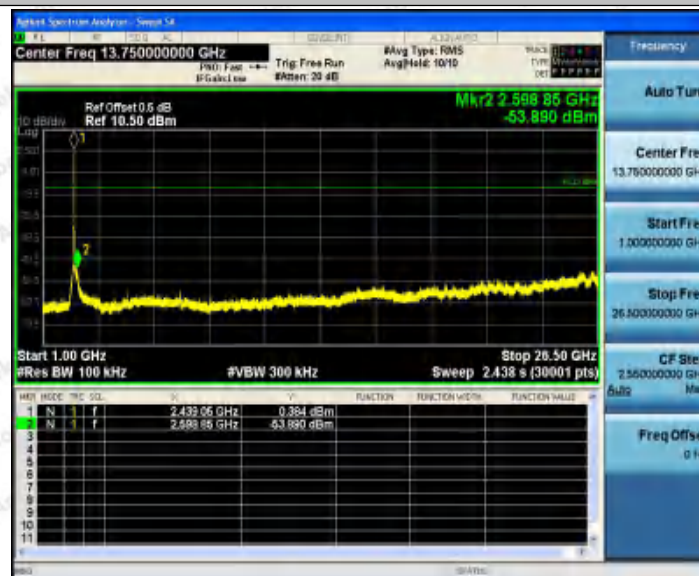
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11G_Ant1_2437_30~1000



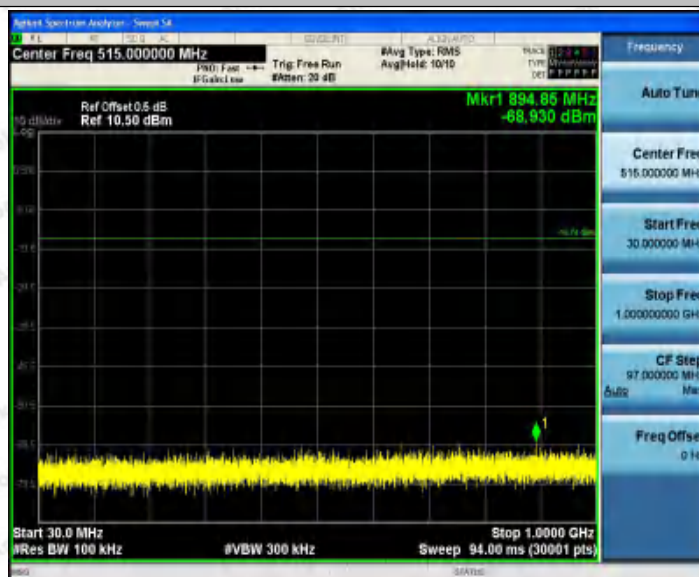
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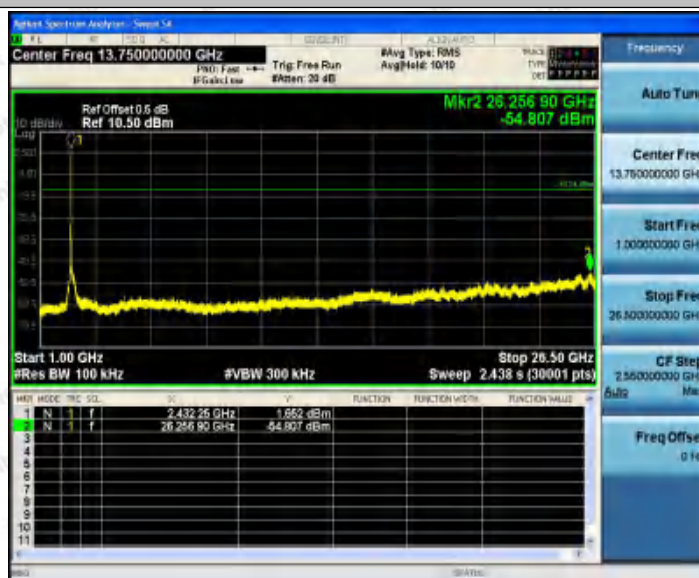
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11G_Ant2_2437_30~1000



11G_Ant2_2437_1000~26500



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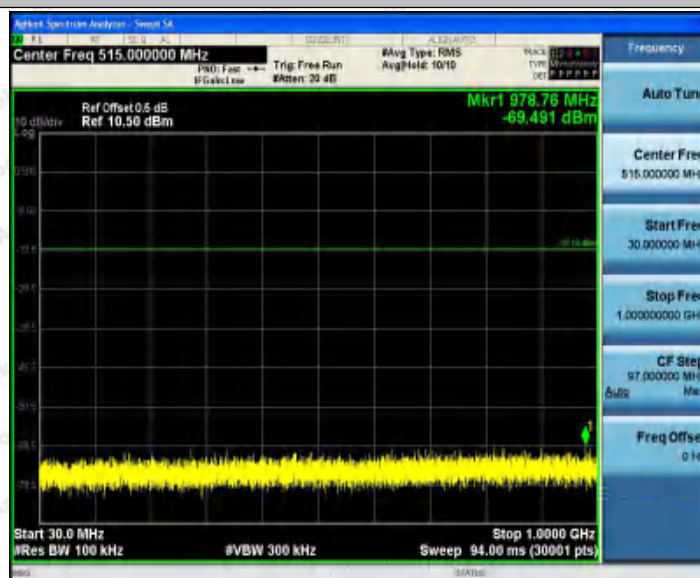
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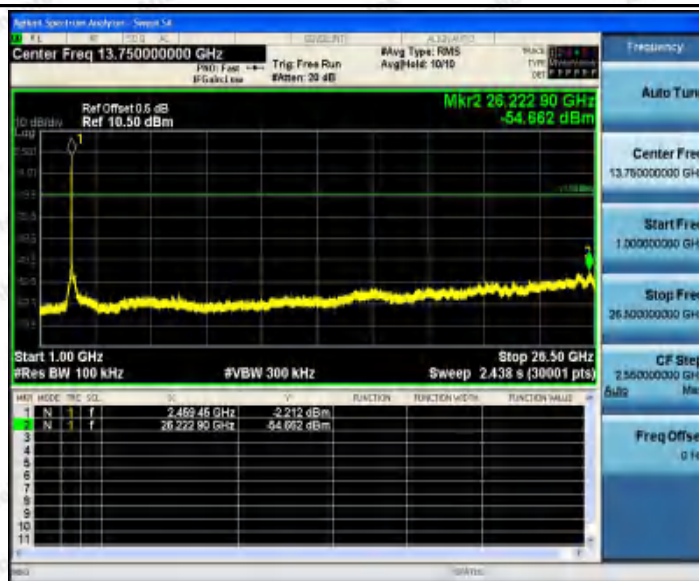
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11G_Ant1_2462_30~1000



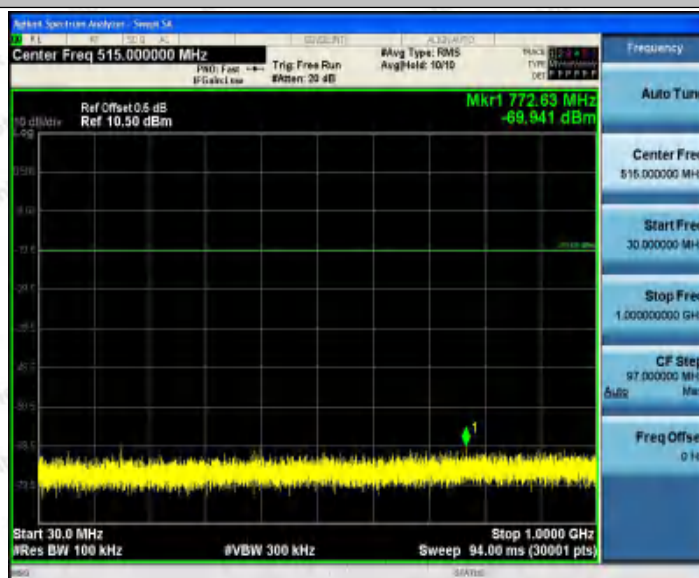
11G_Ant1_2462_1000~26500



11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



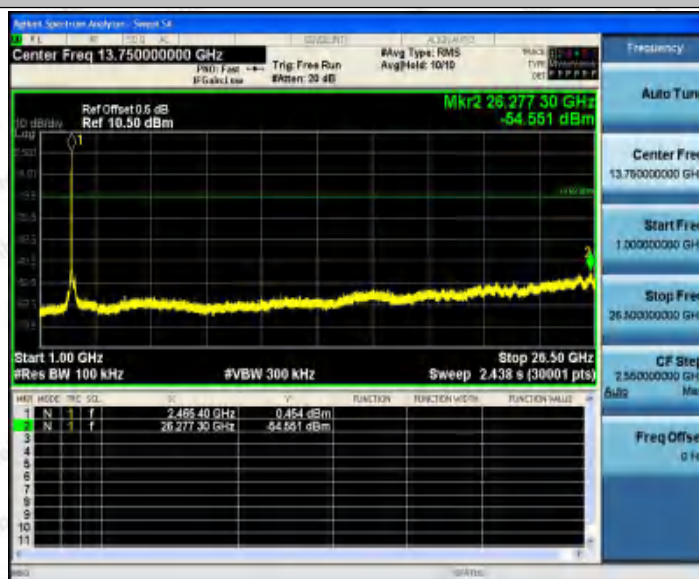
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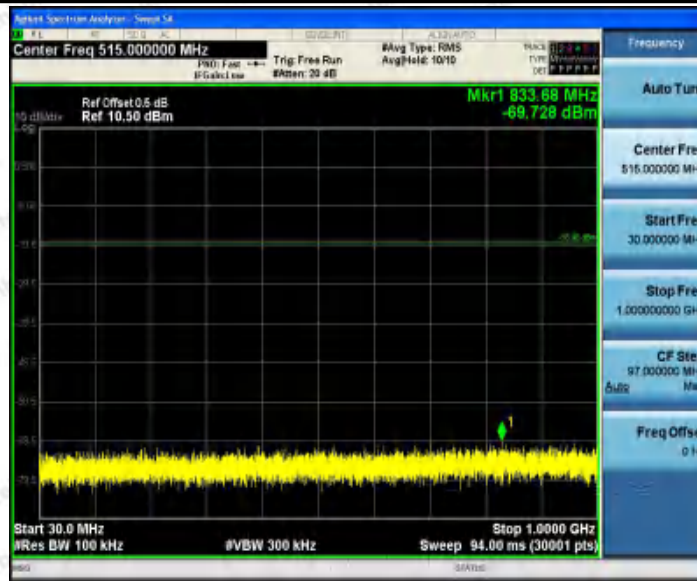
11G_Ant2_2462_1000~26500



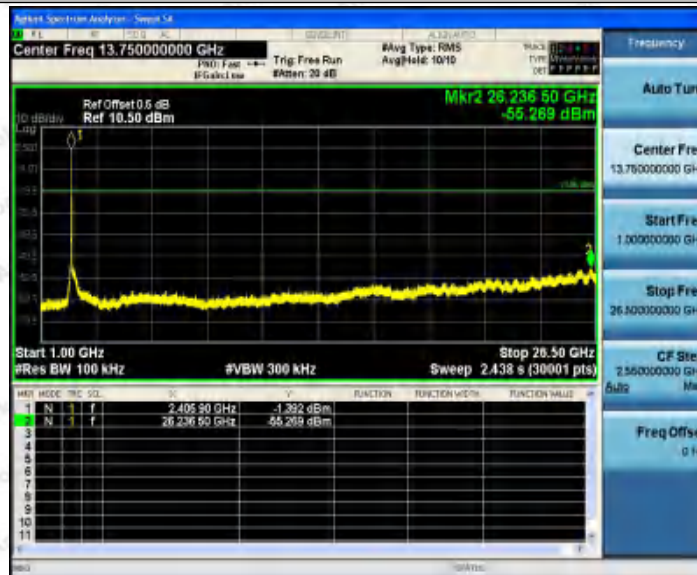
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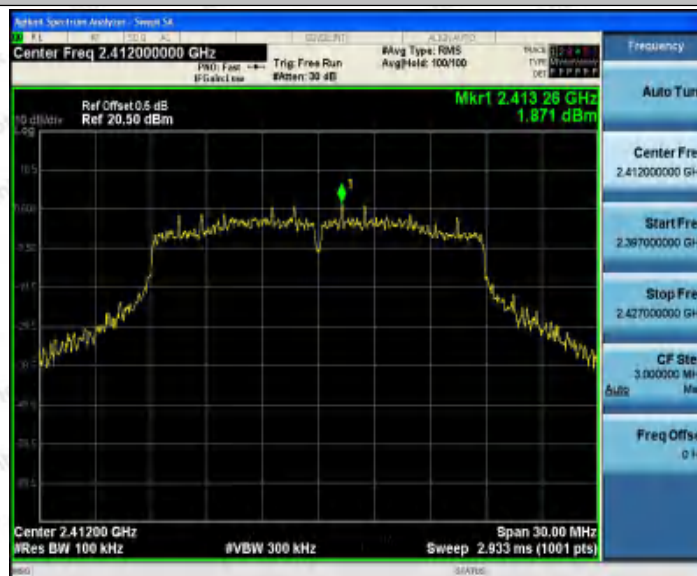
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11N20_Ant1_2412_1000~26500



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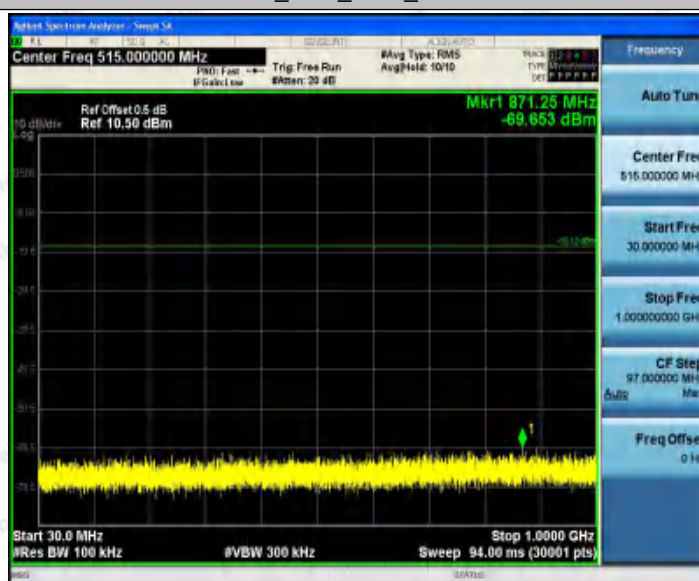
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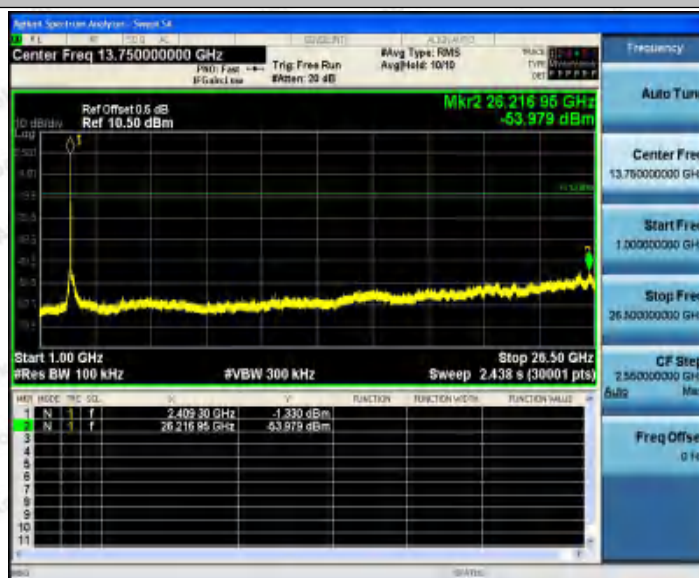
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11N20_Ant2_2412_30~1000



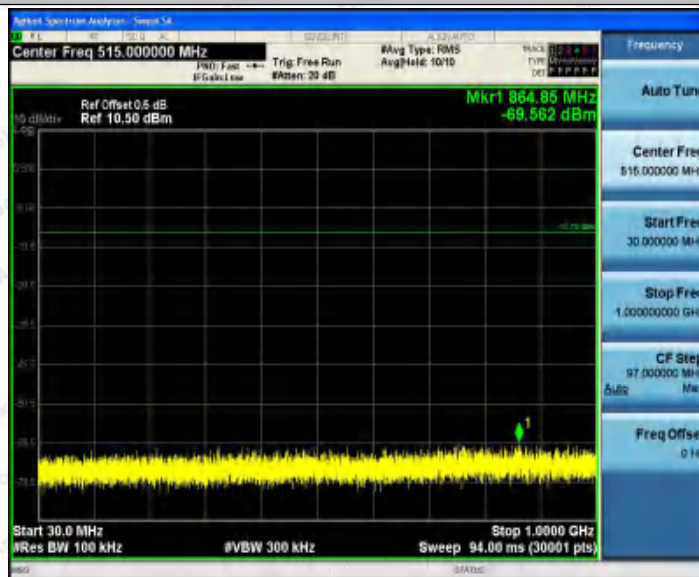
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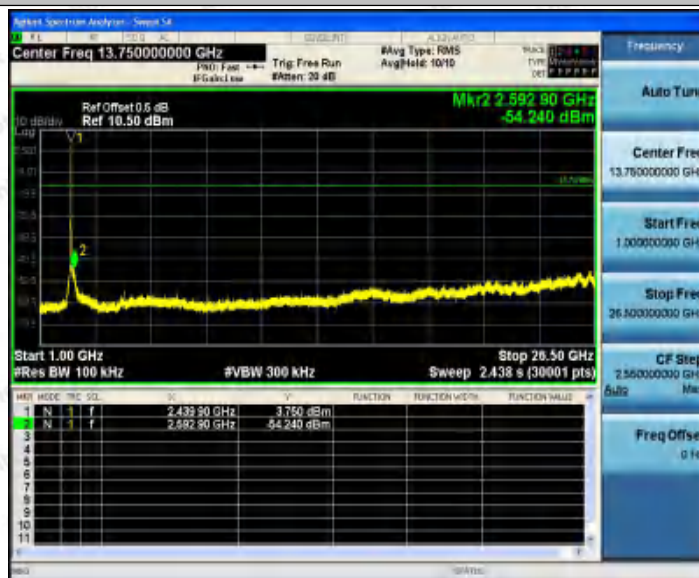
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11N20_Ant1_2437_30~1000



11N20_Ant1_2437_1000~26500



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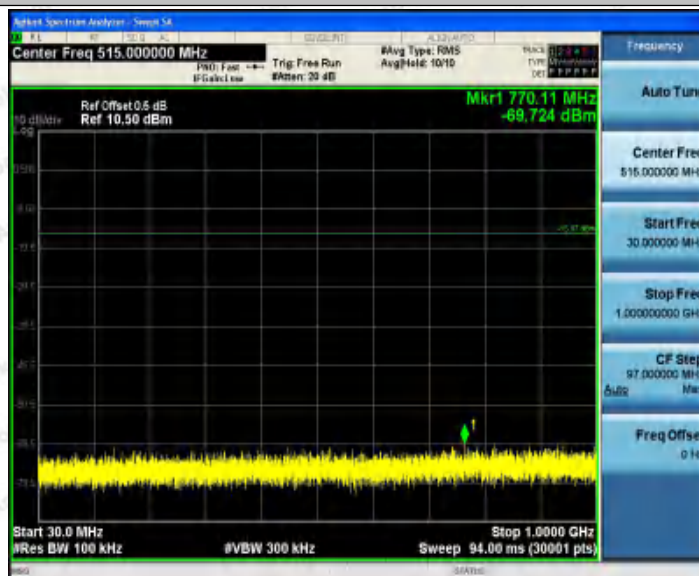
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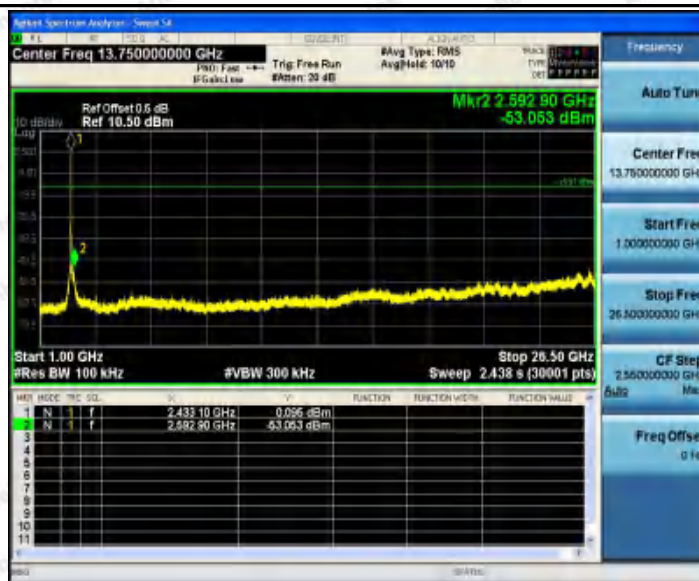
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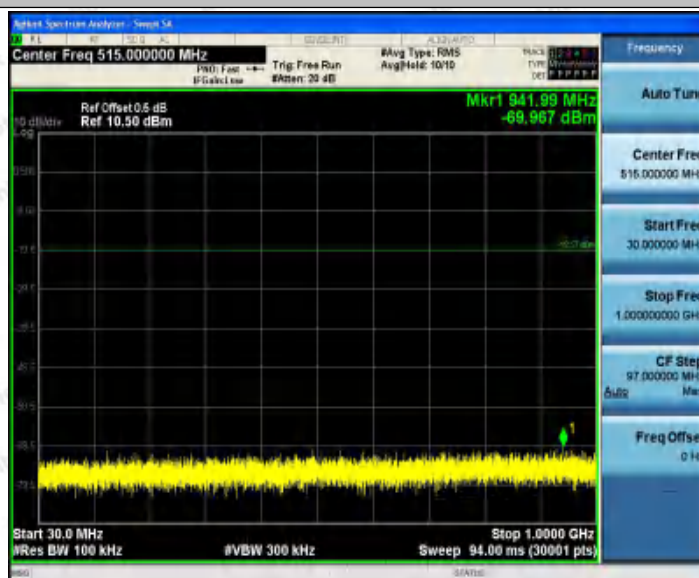
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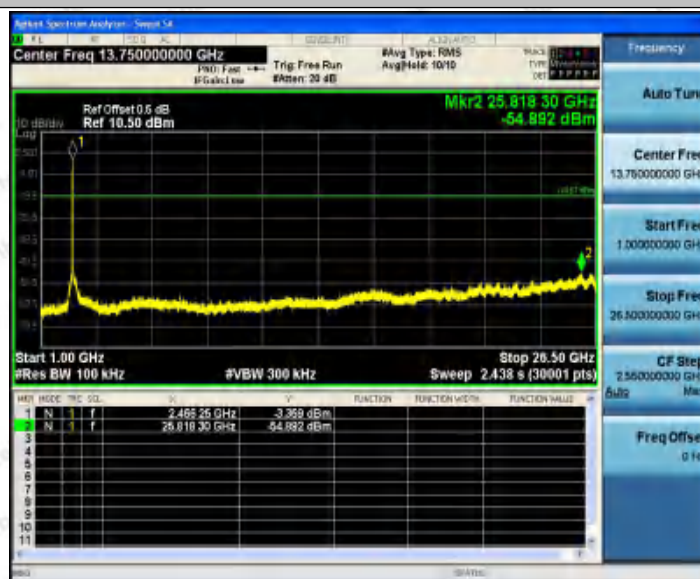
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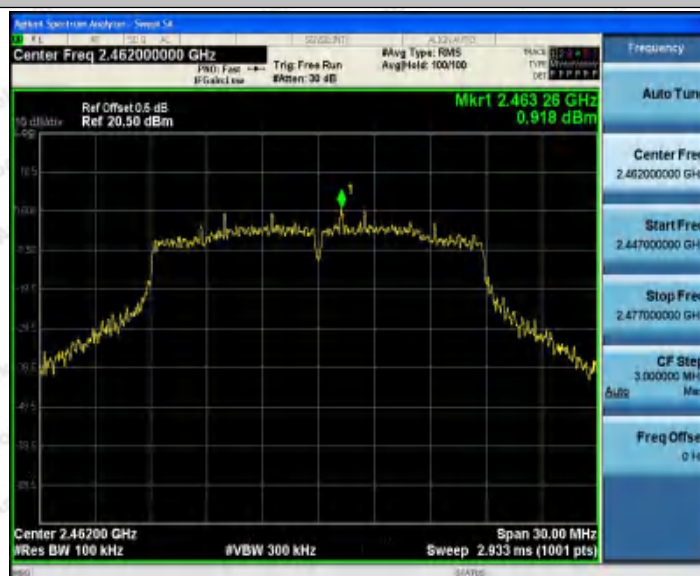
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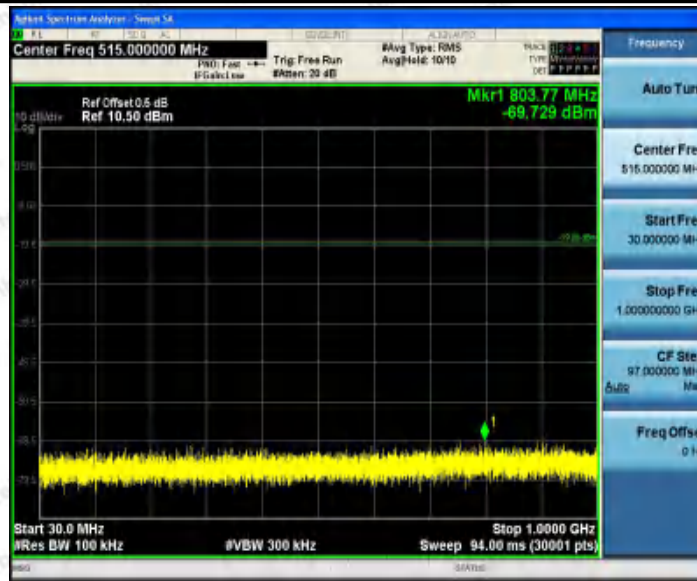
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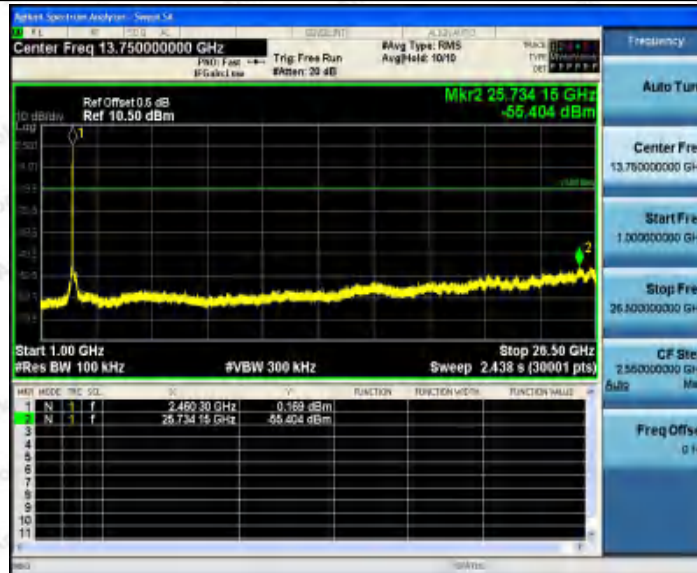
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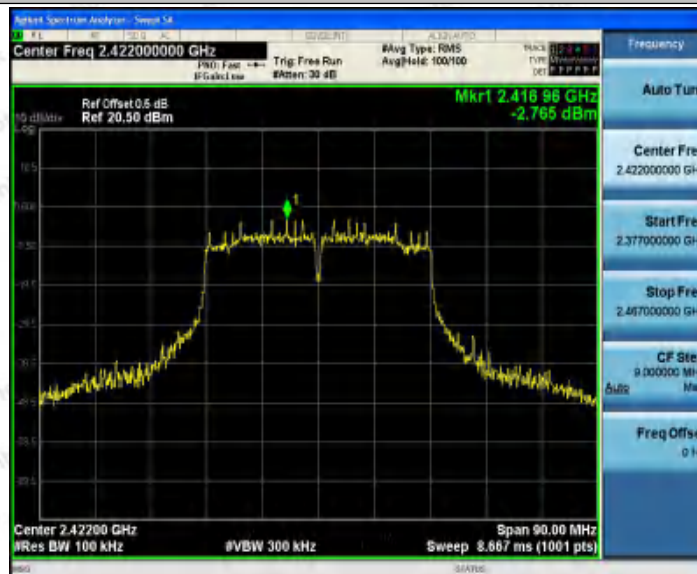
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11N20_Ant2_2462_1000~26500



11N40_Ant1_2422_0~Reference



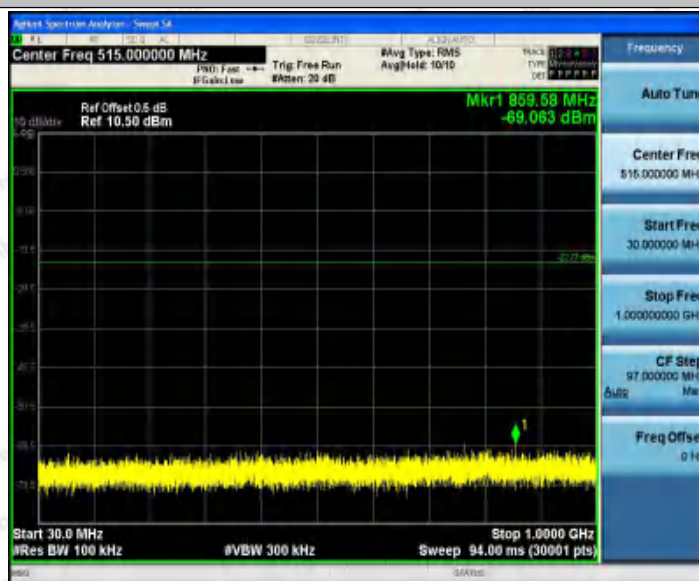
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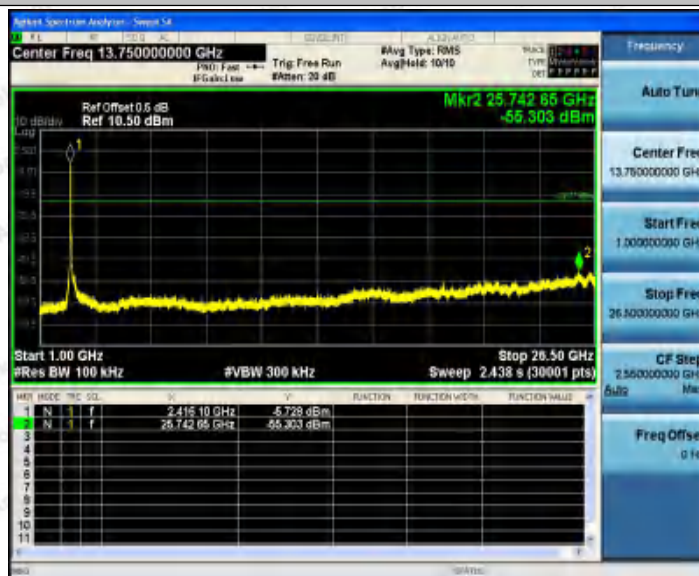
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11N40_Ant1_2422_30~1000



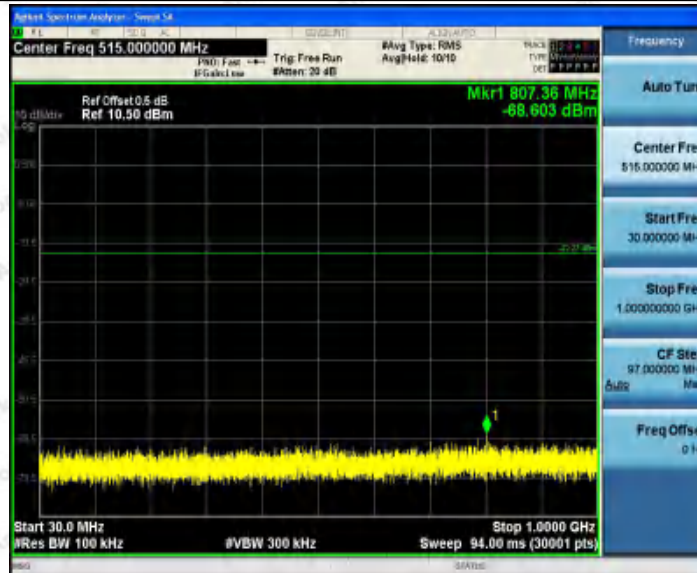
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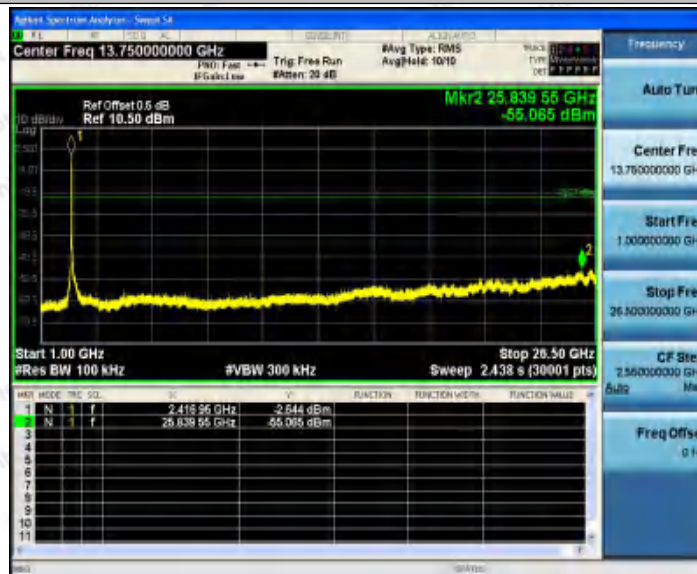
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11N40_Ant2_2422_30~1000



11N40_Ant2_2422_1000~26500



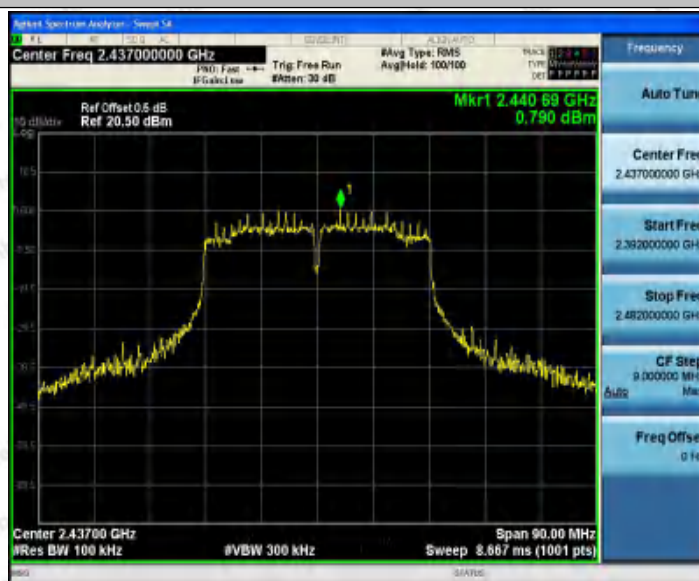
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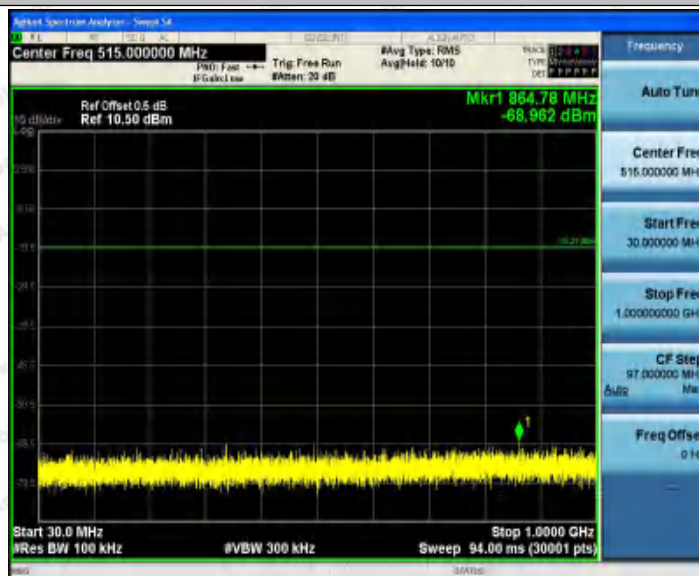
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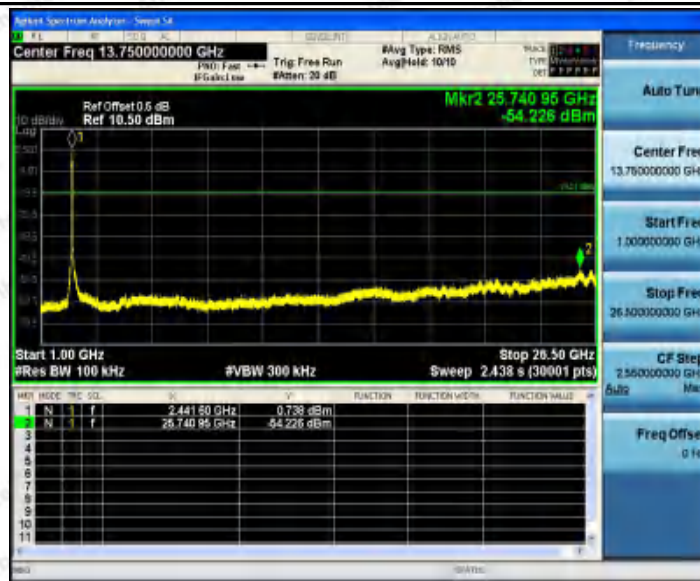
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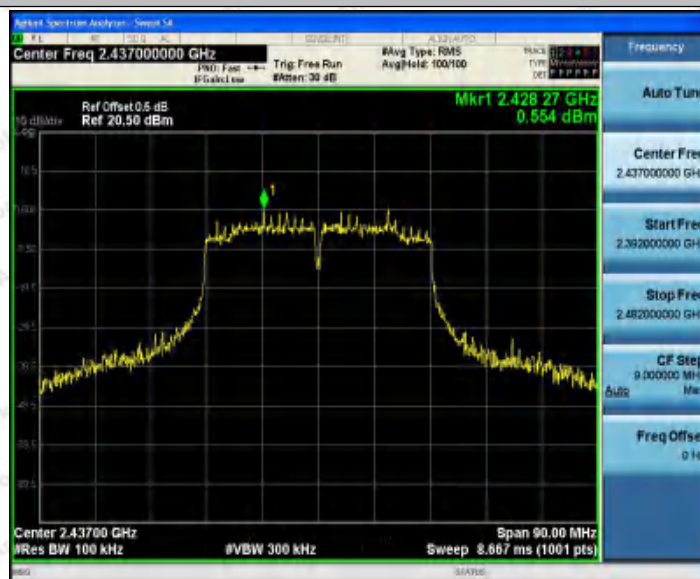
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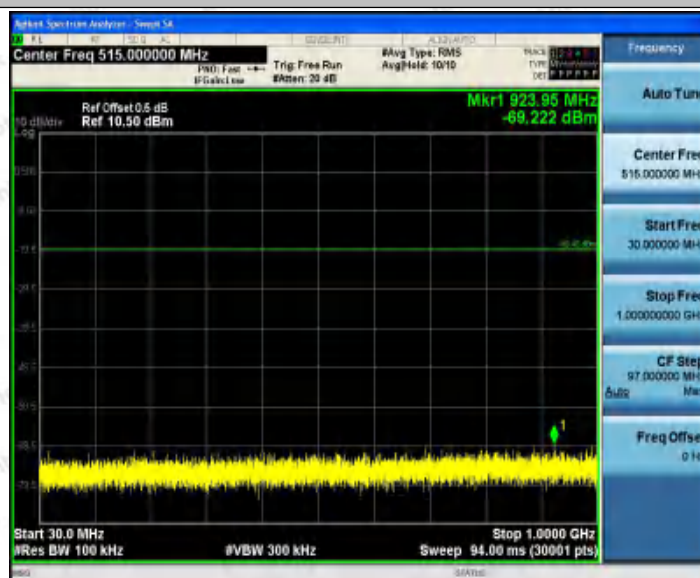
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11N40_Ant2_2437_30~1000



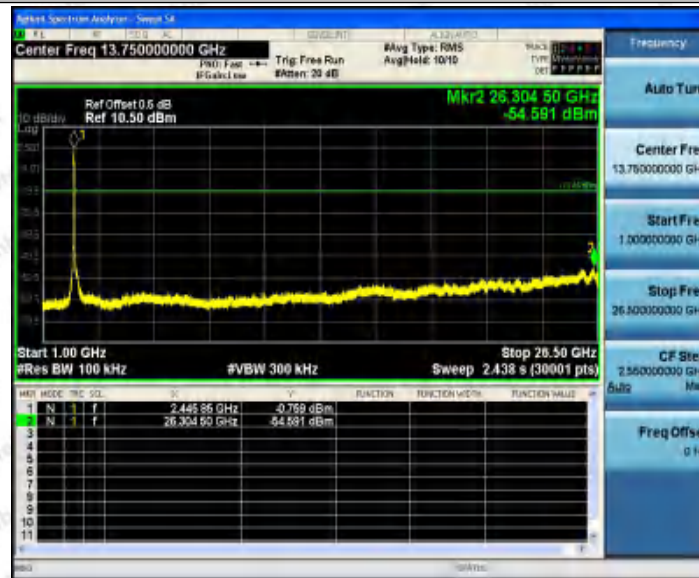
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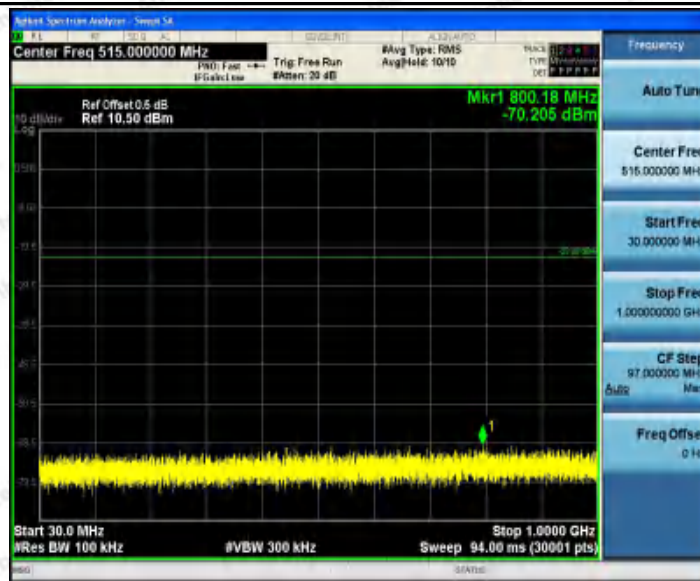
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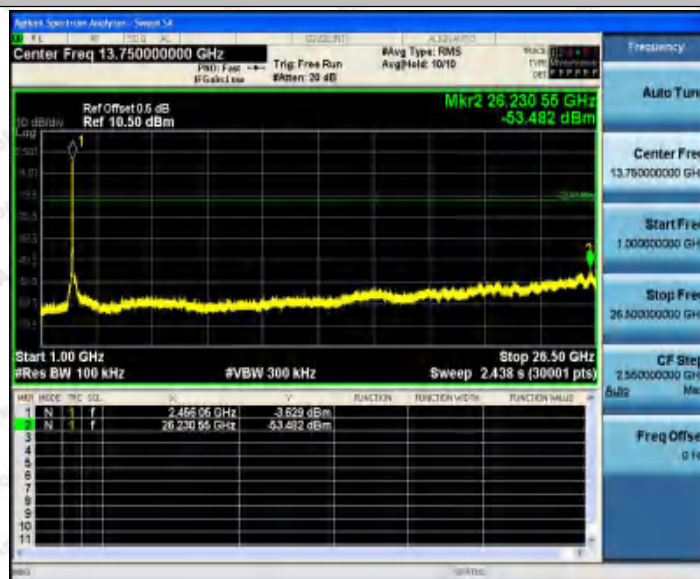
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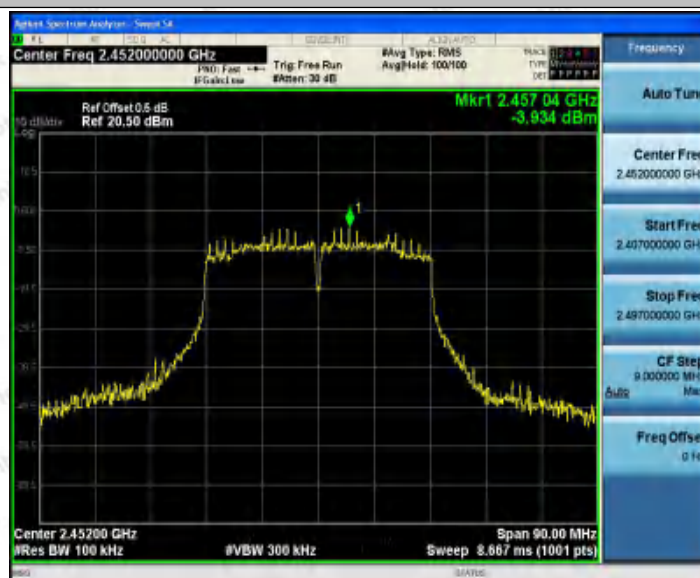
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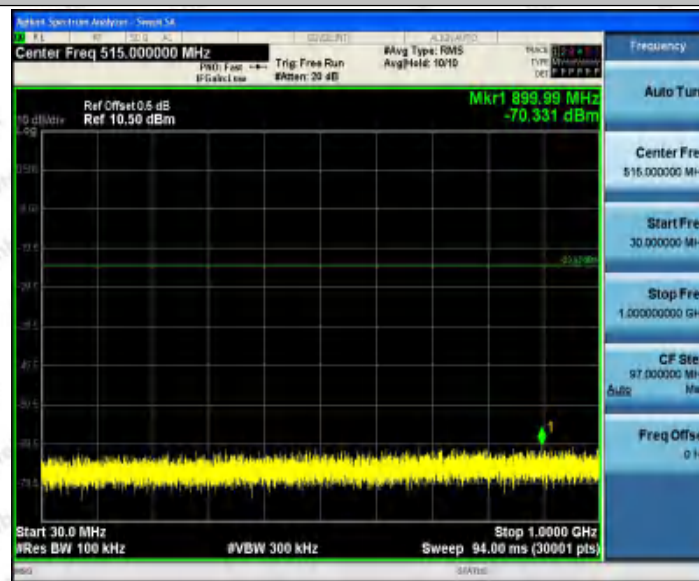
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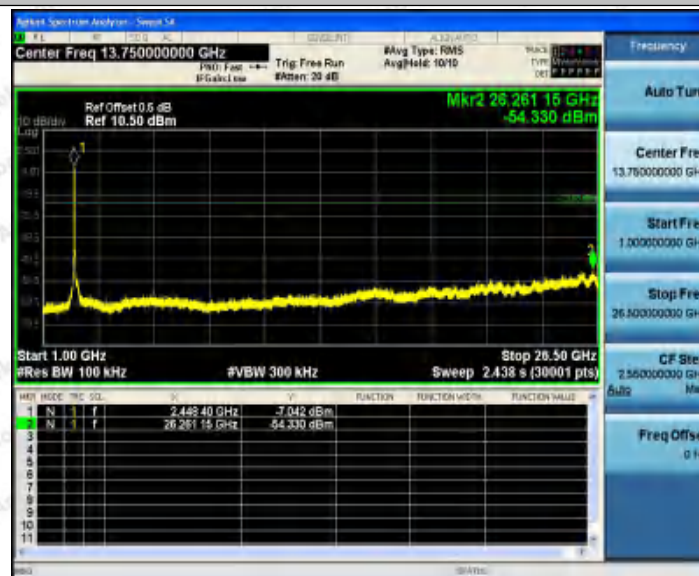
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11N40_Ant2_2452_1000~26500



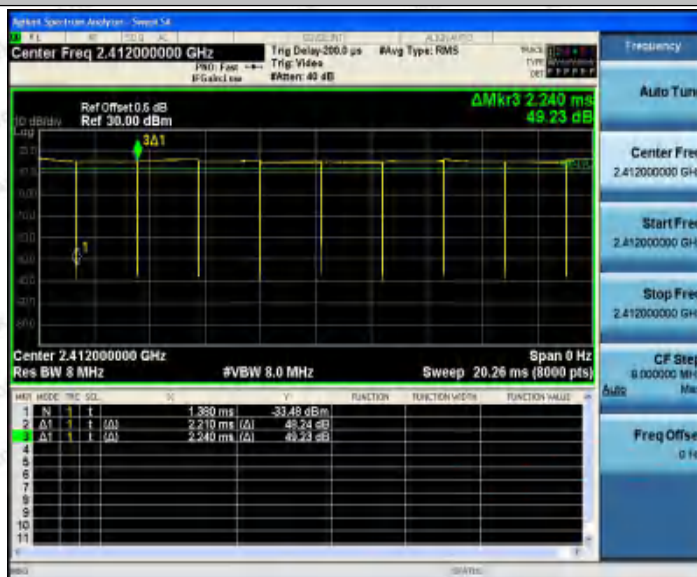
Appendix G: Duty Cycle

Test Result

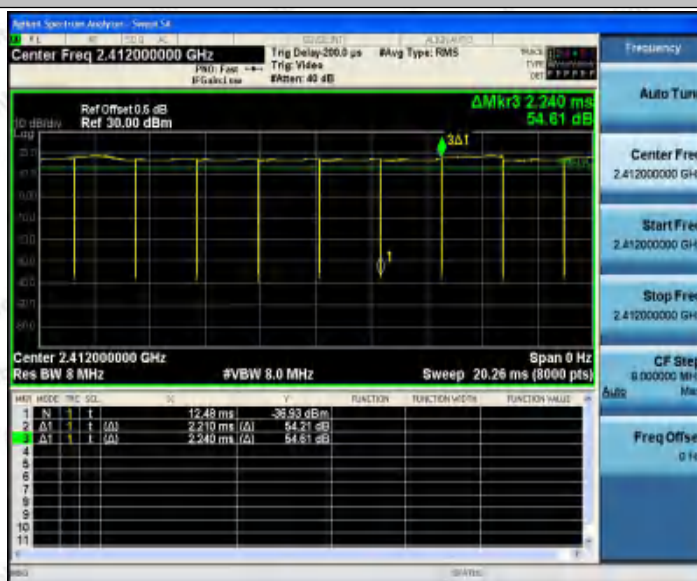
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	2.21	2.24	98.66	---	PASS
	Ant2	2412	2.21	2.24	98.66	---	PASS
	Ant1	2437	2.21	2.24	98.66	---	PASS
	Ant2	2437	2.21	2.23	99.10	---	PASS
	Ant1	2462	2.21	2.24	98.66	---	PASS
	Ant2	2462	2.21	2.24	98.66	---	PASS
11G	Ant1	2412	2.05	2.08	98.56	---	PASS
	Ant2	2412	2.05	2.08	98.56	---	PASS
	Ant1	2437	2.05	2.08	98.56	---	PASS
	Ant2	2437	2.05	2.08	98.56	---	PASS
	Ant1	2462	2.05	2.08	98.56	---	PASS
	Ant2	2462	2.05	2.08	98.56	---	PASS
11N20	Ant1	2412	1.90	1.93	98.45	---	PASS
	Ant2	2412	1.91	1.94	98.45	---	PASS
	Ant1	2437	1.91	1.94	98.45	---	PASS
	Ant2	2437	1.91	1.93	98.96	---	PASS
	Ant1	2462	1.91	1.94	98.45	---	PASS
	Ant2	2462	1.90	1.93	98.45	---	PASS
11N40	Ant1	2422	0.94	0.96	97.92	---	PASS
	Ant2	2422	0.94	0.96	97.92	---	PASS
	Ant1	2437	0.94	0.96	97.92	---	PASS
	Ant2	2437	0.93	0.96	96.88	---	PASS
	Ant1	2452	0.93	0.96	96.88	---	PASS
	Ant2	2452	0.93	0.96	96.88	---	PASS

Test Graphs

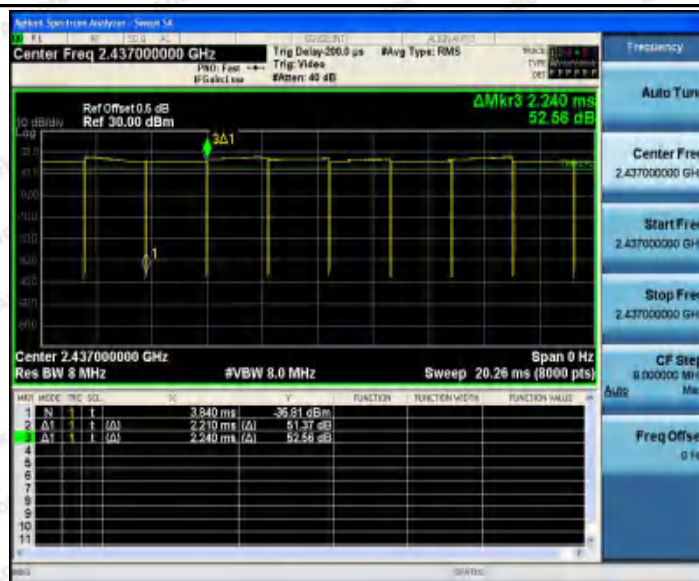
11B_Ant1_2412



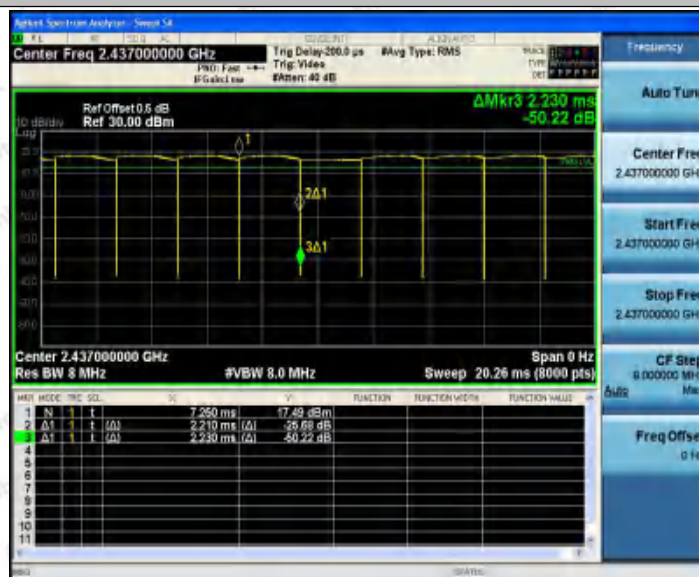
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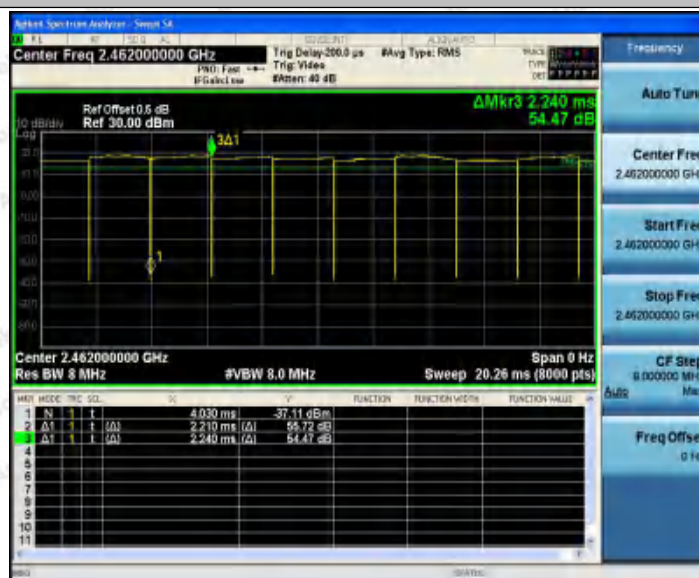
11B_Ant1_2437



11B_Ant2_2437



11B_Ant1_2462



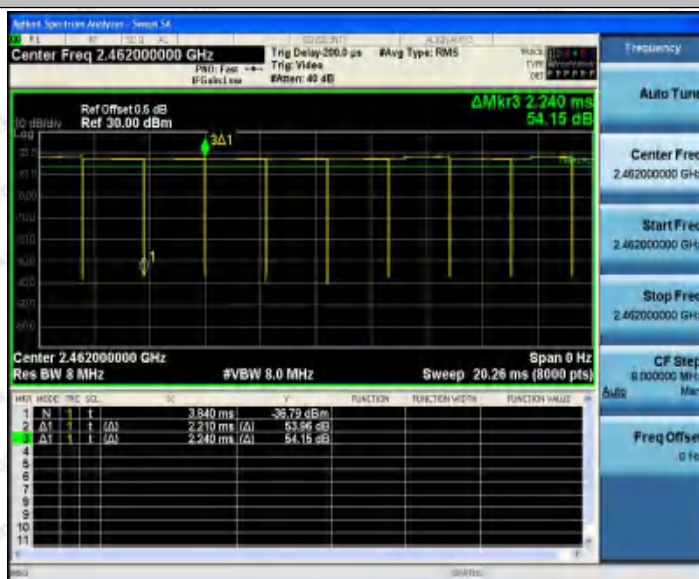
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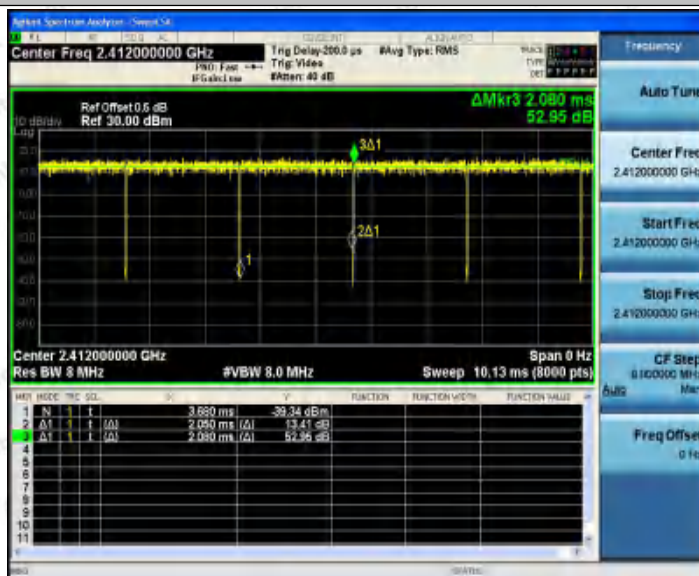
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11B_Ant2_2462



11G_Ant1_2412



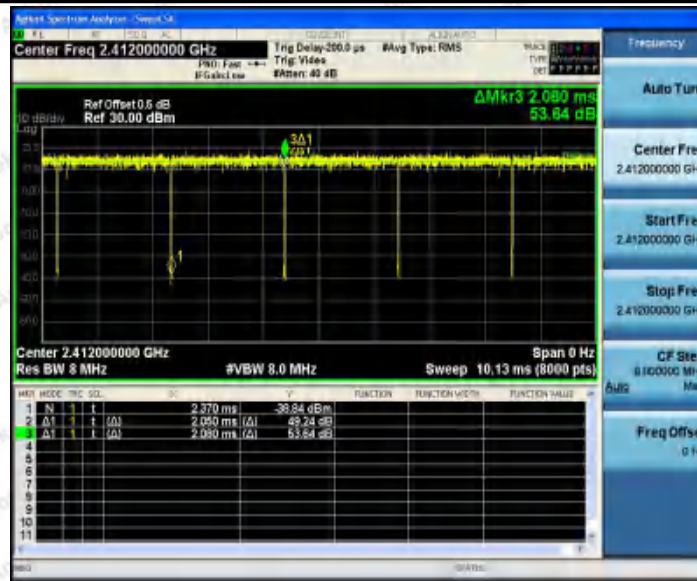
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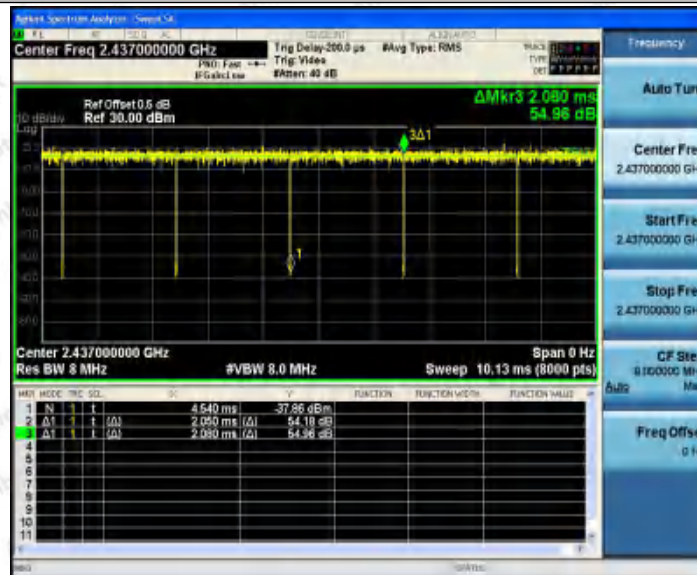
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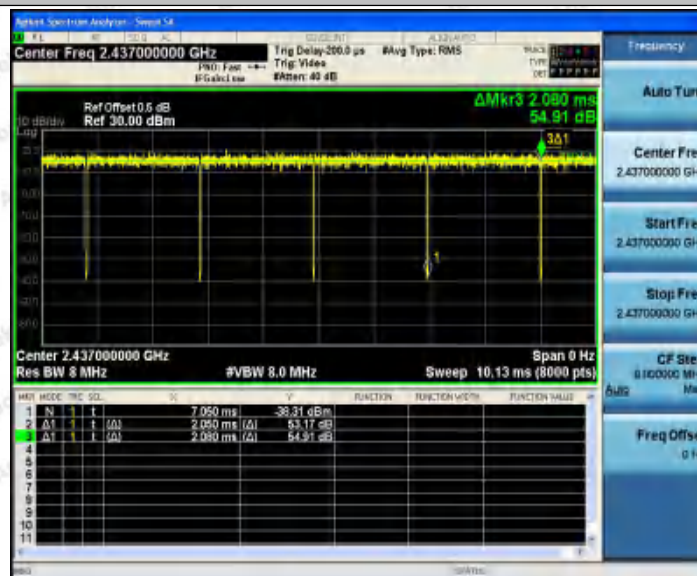
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11G_Ant1_2437



11G_Ant2_2437



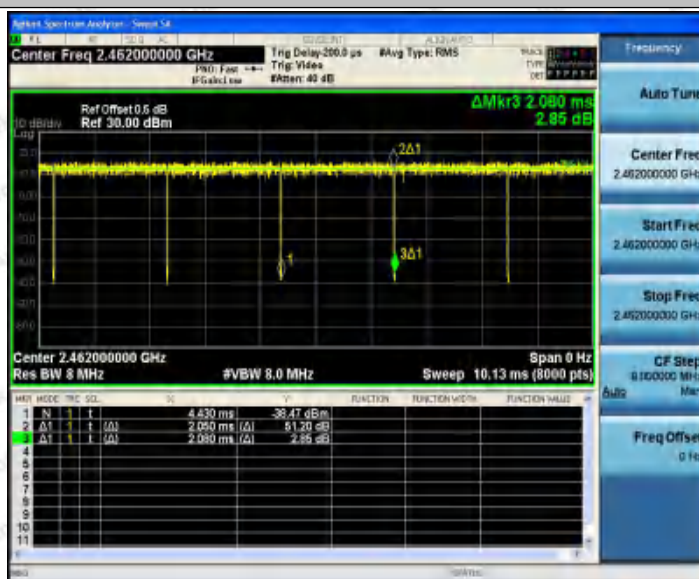
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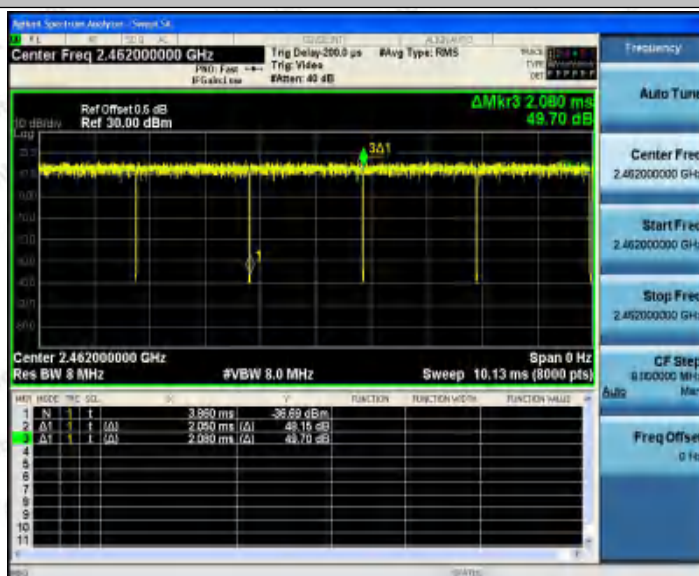
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11G_Ant1_2462



11G_Ant2_2462



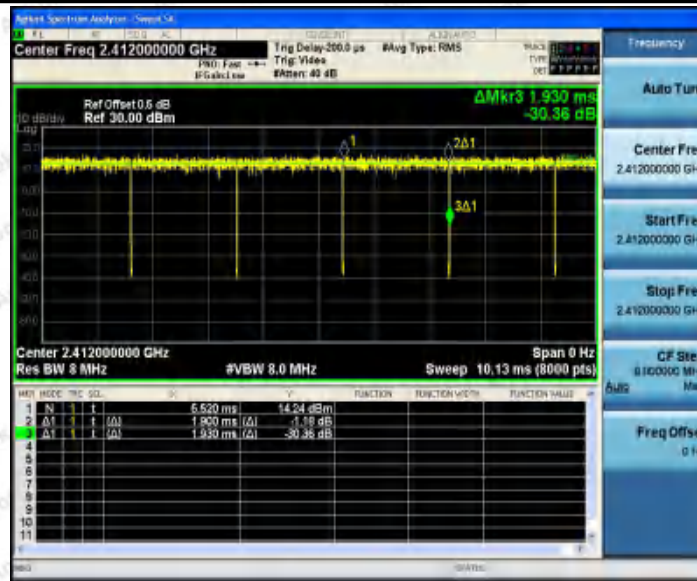
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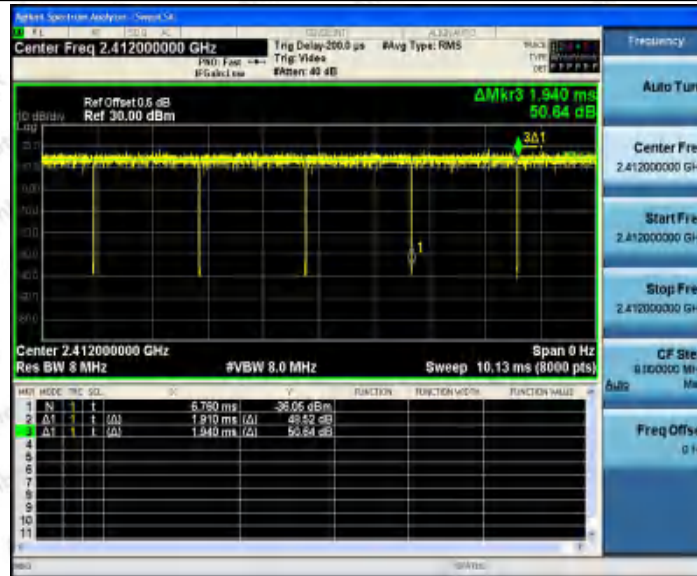
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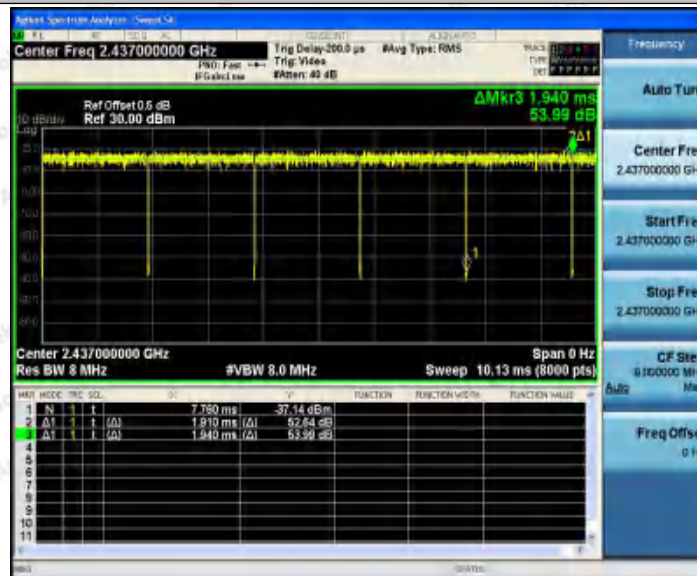
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11N20_Ant2_2412



11N20_Ant1_2437



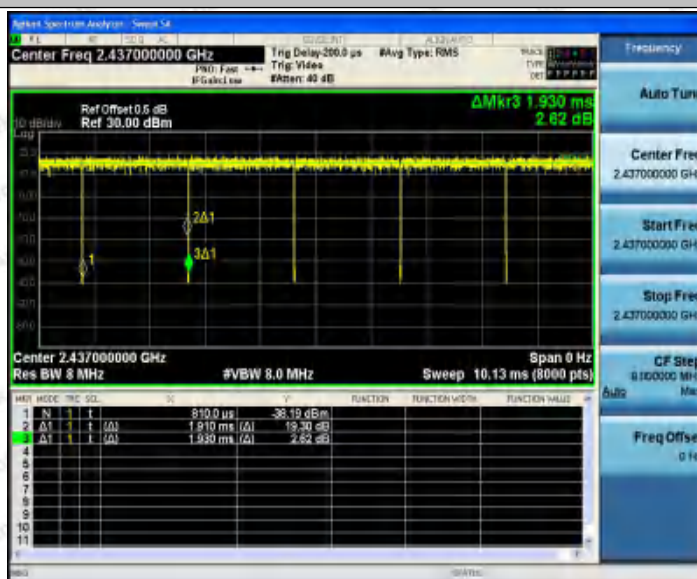
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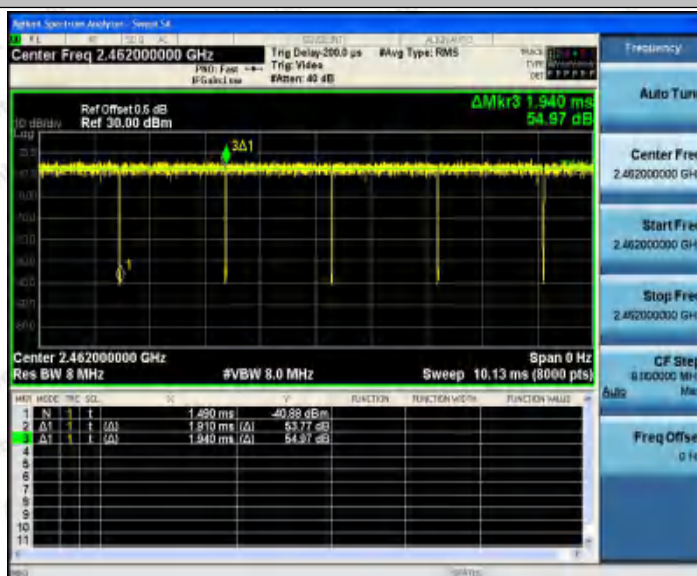
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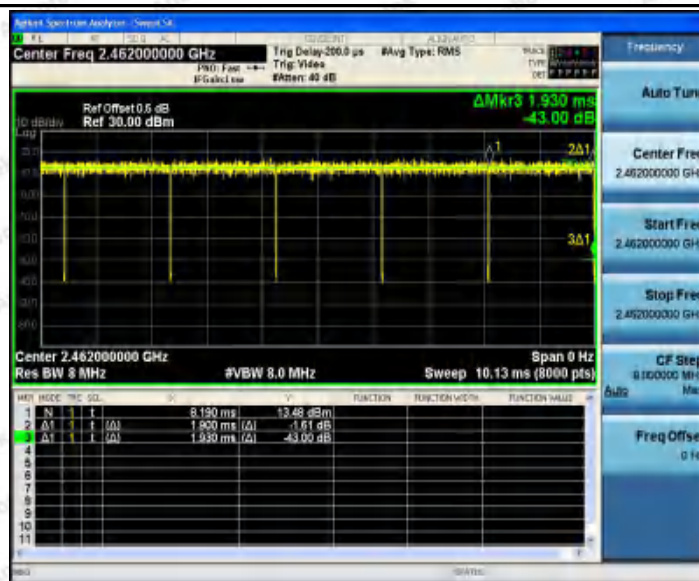
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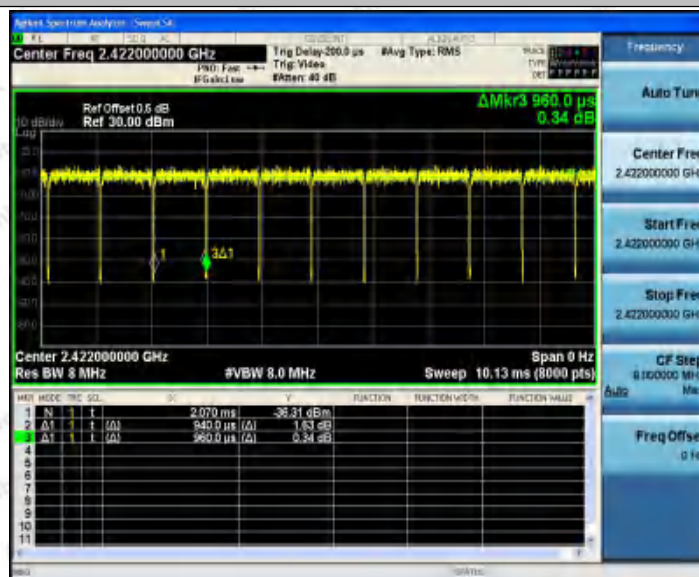
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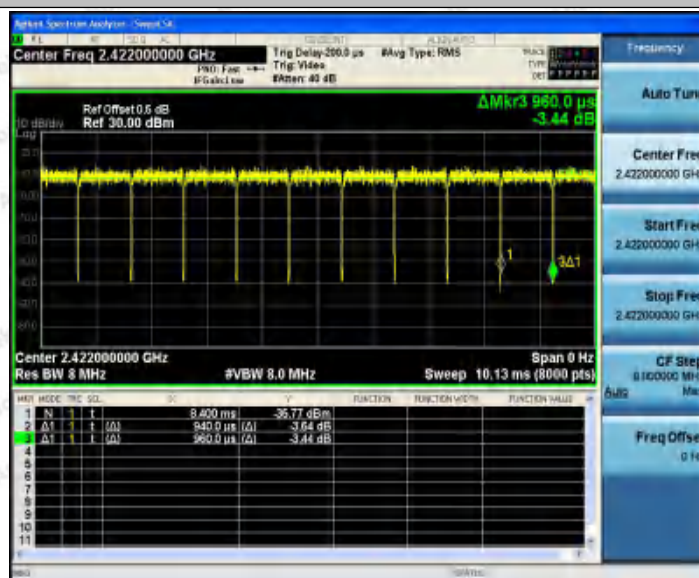
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11N40_Ant1_2422



11N40_Ant2_2422



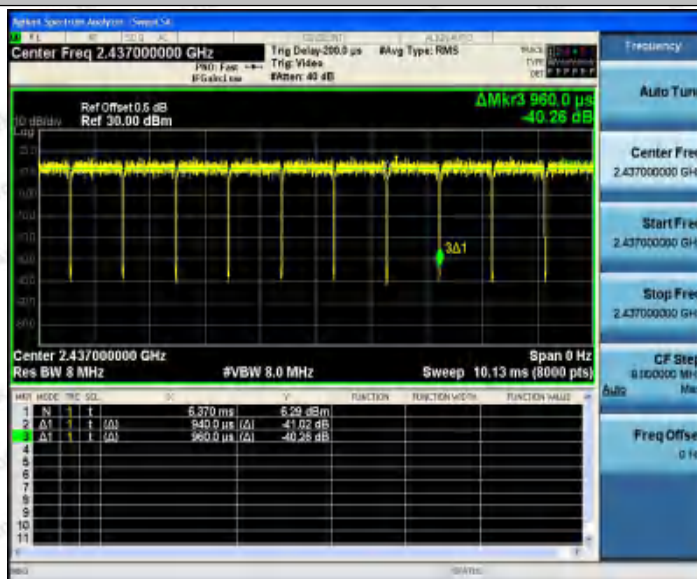
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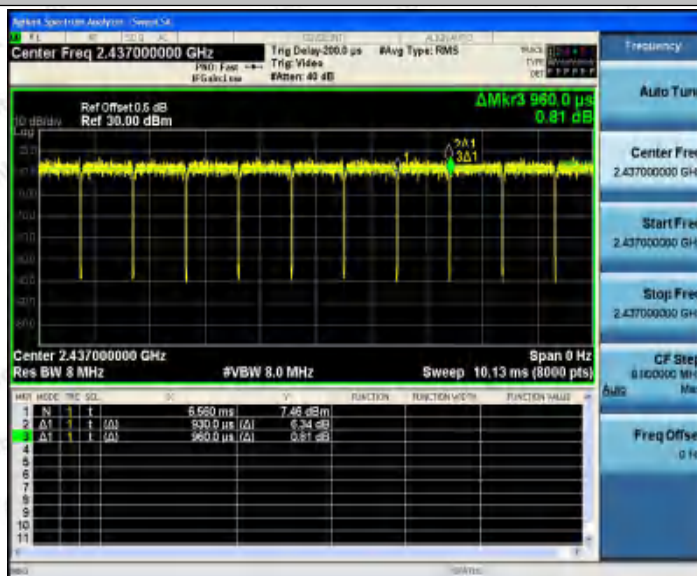
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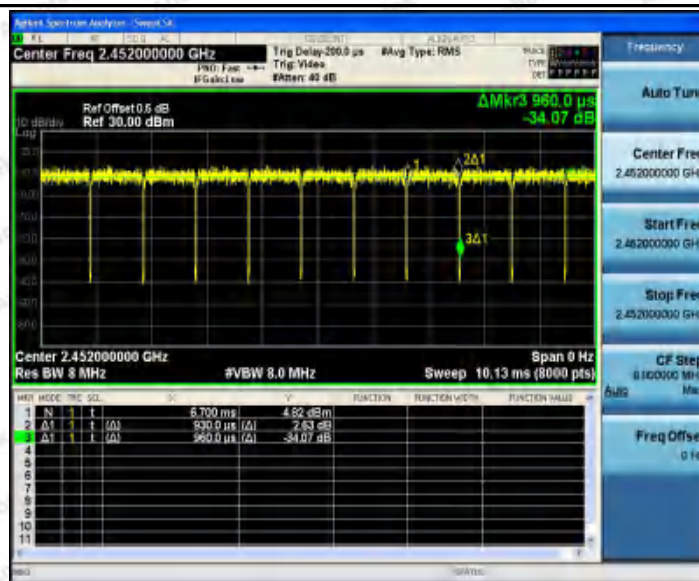
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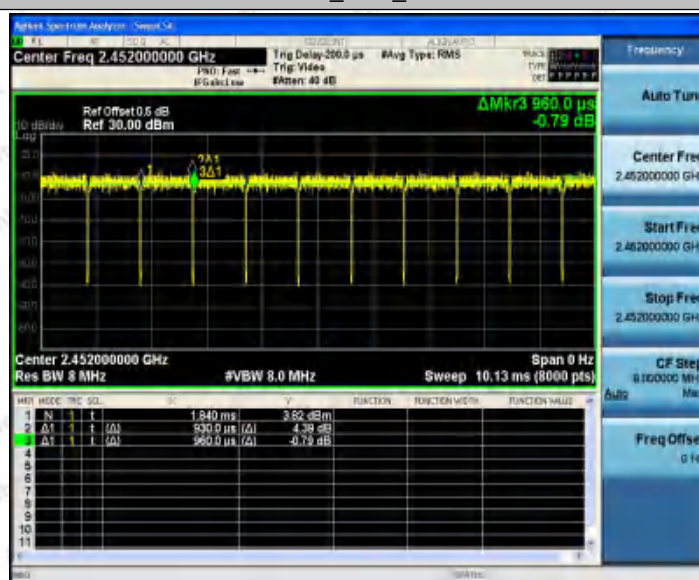
11N40_Ant2_2437



11N40_Ant1_2452



11N40_Ant2_2452



---End---