

Appendix Test Data

Report No.:	18220WC20179603	Test Sample No.:	1-2-2
Start Test Date:	2022.8.16	Finish Test Date:	2022.8.31
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

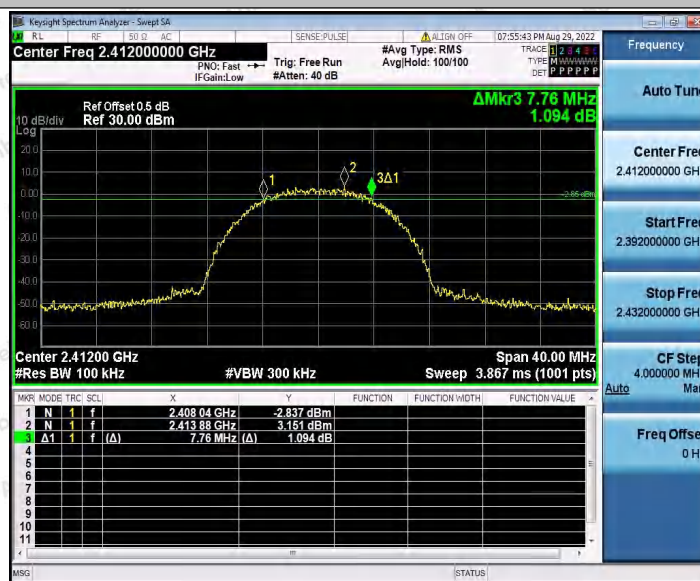
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.760	2408.040	2415.800	0.5	PASS
		2437	7.720	2433.080	2440.800	0.5	PASS
		2462	8.000	2457.760	2465.760	0.5	PASS
11G	Ant1	2412	15.080	2404.440	2419.520	0.5	PASS
		2437	15.880	2429.240	2445.120	0.5	PASS
		2462	15.320	2454.240	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.160	2404.400	2419.560	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.360	2454.200	2469.560	0.5	PASS

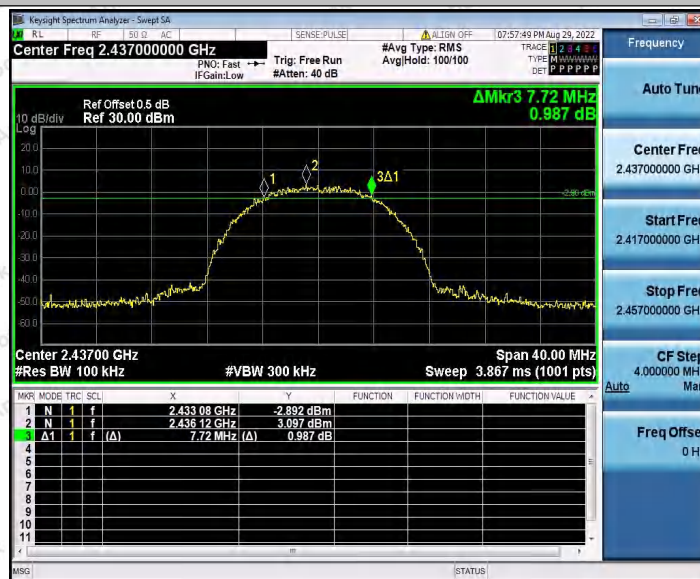


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

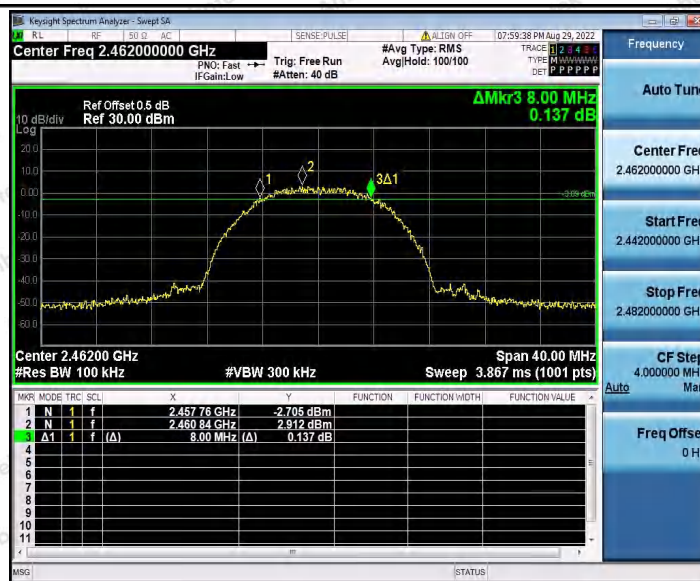
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11G_Ant1_2412



11G_Ant1_2437





11G_Ant1_2462



11N20SISO_Ant1_2412





11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





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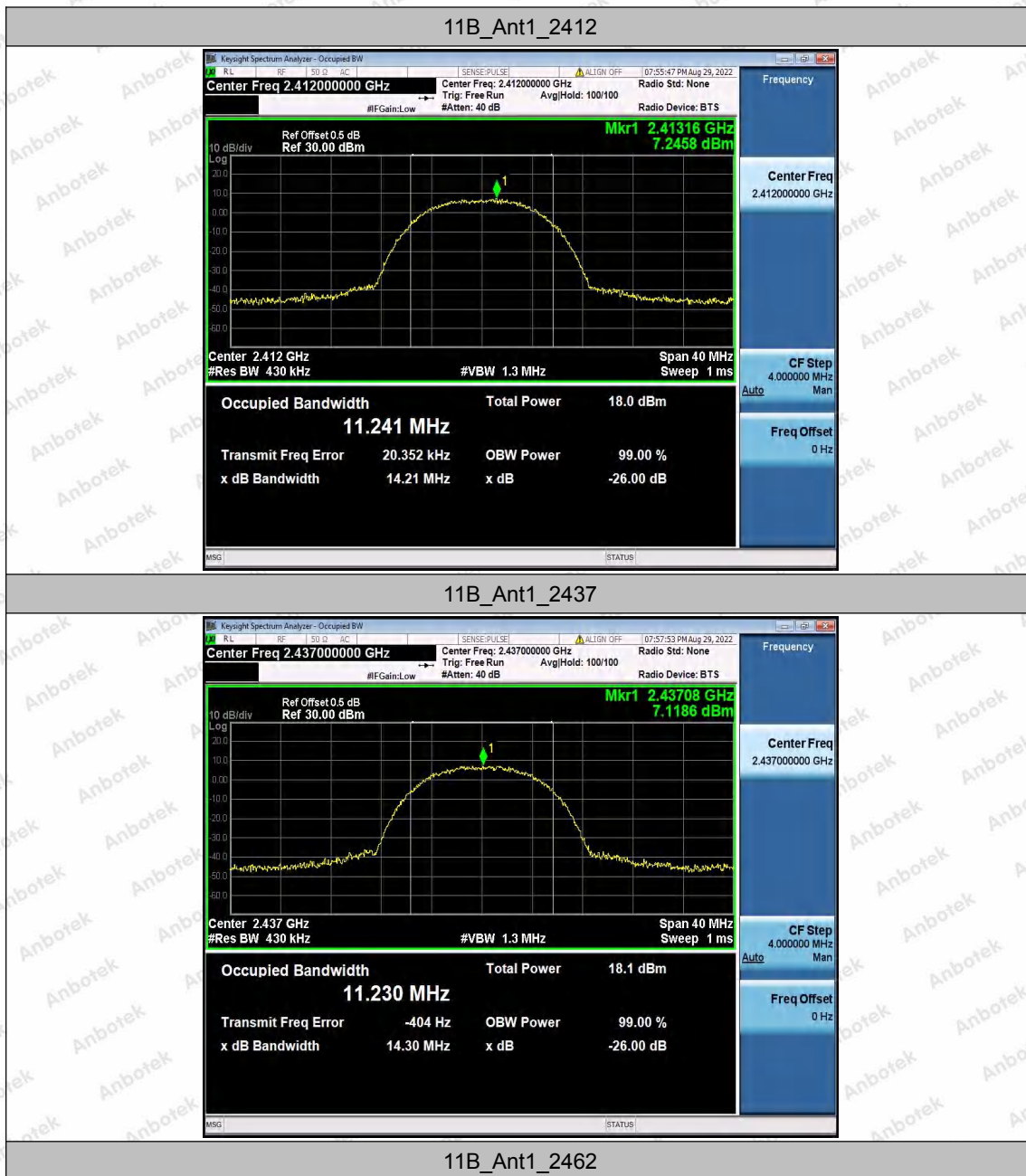
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	11.241	2406.3999	2417.6409
		2437	11.230	2431.3846	2442.6146
		2462	11.367	2456.3247	2467.6917
11G	Ant1	2412	16.475	2403.7881	2420.2631
		2437	16.670	2428.6806	2445.3506
		2462	16.498	2453.7668	2470.2648
11N20SISO	Ant1	2412	17.831	2403.1002	2420.9312
		2437	17.904	2428.0508	2445.9548
		2462	17.799	2453.1011	2470.9001



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437

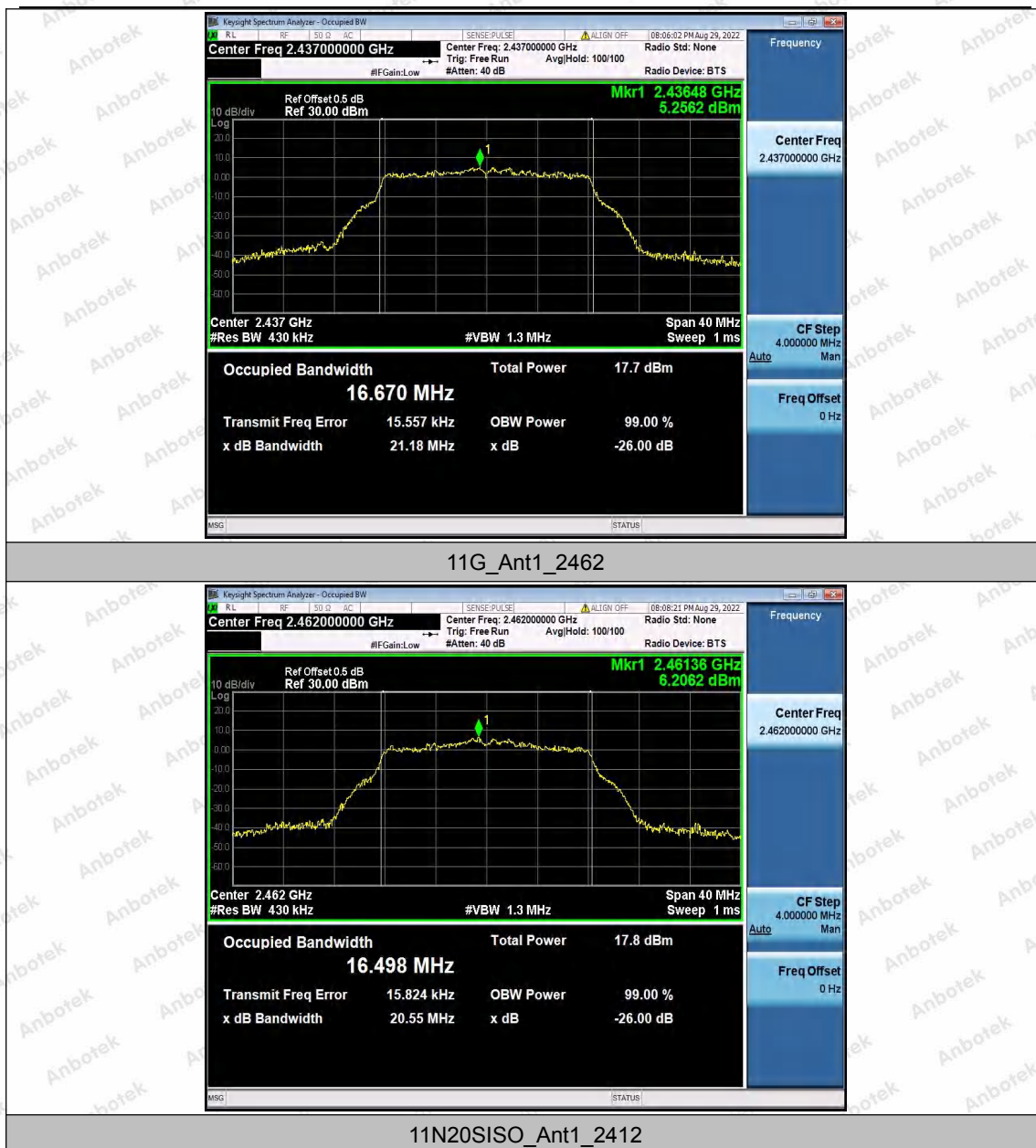
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

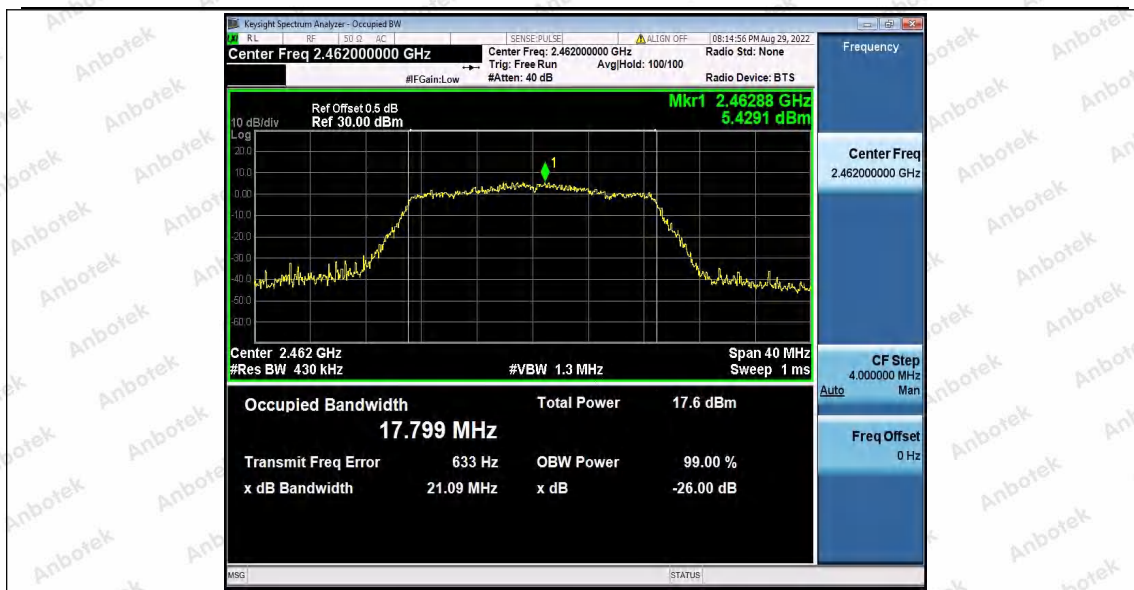
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Set Power	Peak Power [dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	---	17.05	≤30.00	19.81	≤36.00	PASS
		2437	---	17.06	≤30.00	19.82	≤36.00	PASS
		2462	---	17.23	≤30.00	19.99	≤36.00	PASS
11G	Ant1	2412	---	18.45	≤30.00	21.21	≤36.00	PASS
		2437	---	18.48	≤30.00	21.24	≤36.00	PASS
		2462	---	18.62	≤30.00	21.38	≤36.00	PASS
11N20SISO	Ant1	2412	---	17.92	≤30.00	20.68	≤36.00	PASS
		2437	---	17.90	≤30.00	20.66	≤36.00	PASS
		2462	---	18.12	≤30.00	20.88	≤36.00	PASS



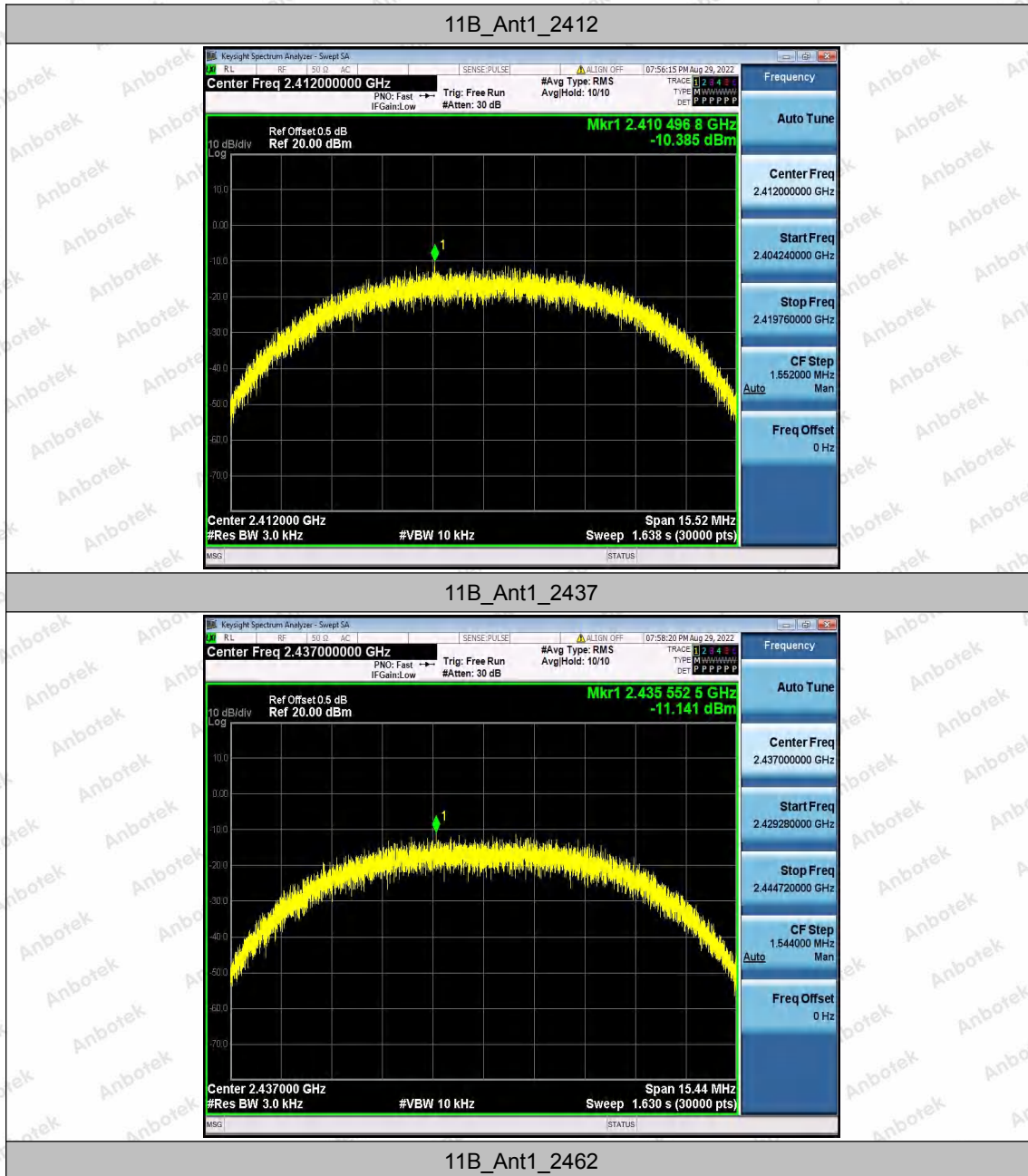
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.39	≤8.00	PASS
		2437	-11.14	≤8.00	PASS
		2462	-11.22	≤8.00	PASS
11G	Ant1	2412	-13.7	≤8.00	PASS
		2437	-14.65	≤8.00	PASS
		2462	-13.98	≤8.00	PASS
11N20SISO	Ant1	2412	-13.08	≤8.00	PASS
		2437	-14.47	≤8.00	PASS
		2462	-13.47	≤8.00	PASS



Test Graphs



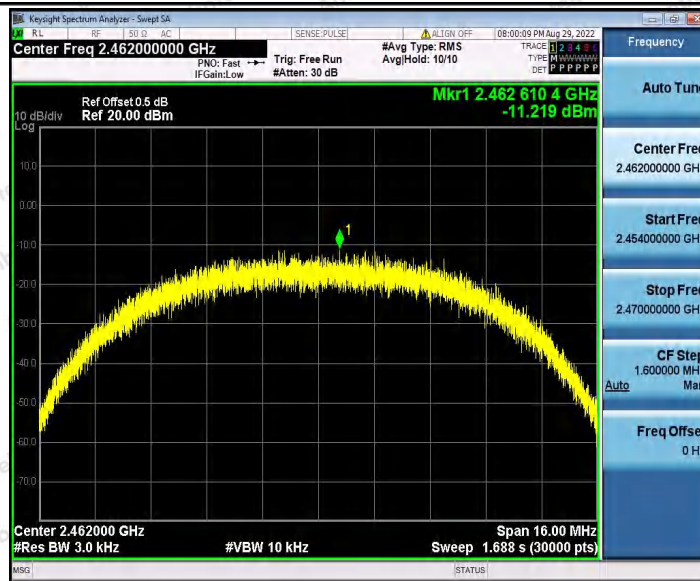
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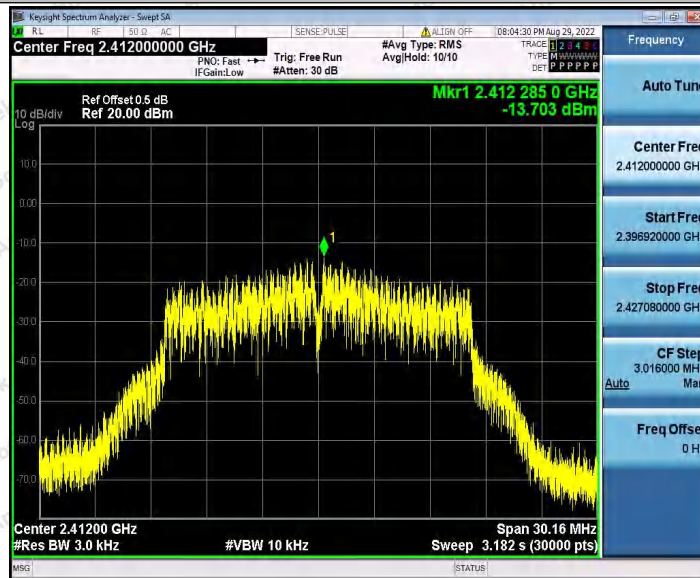


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11G_Ant1_2412



11G_Ant1_2437

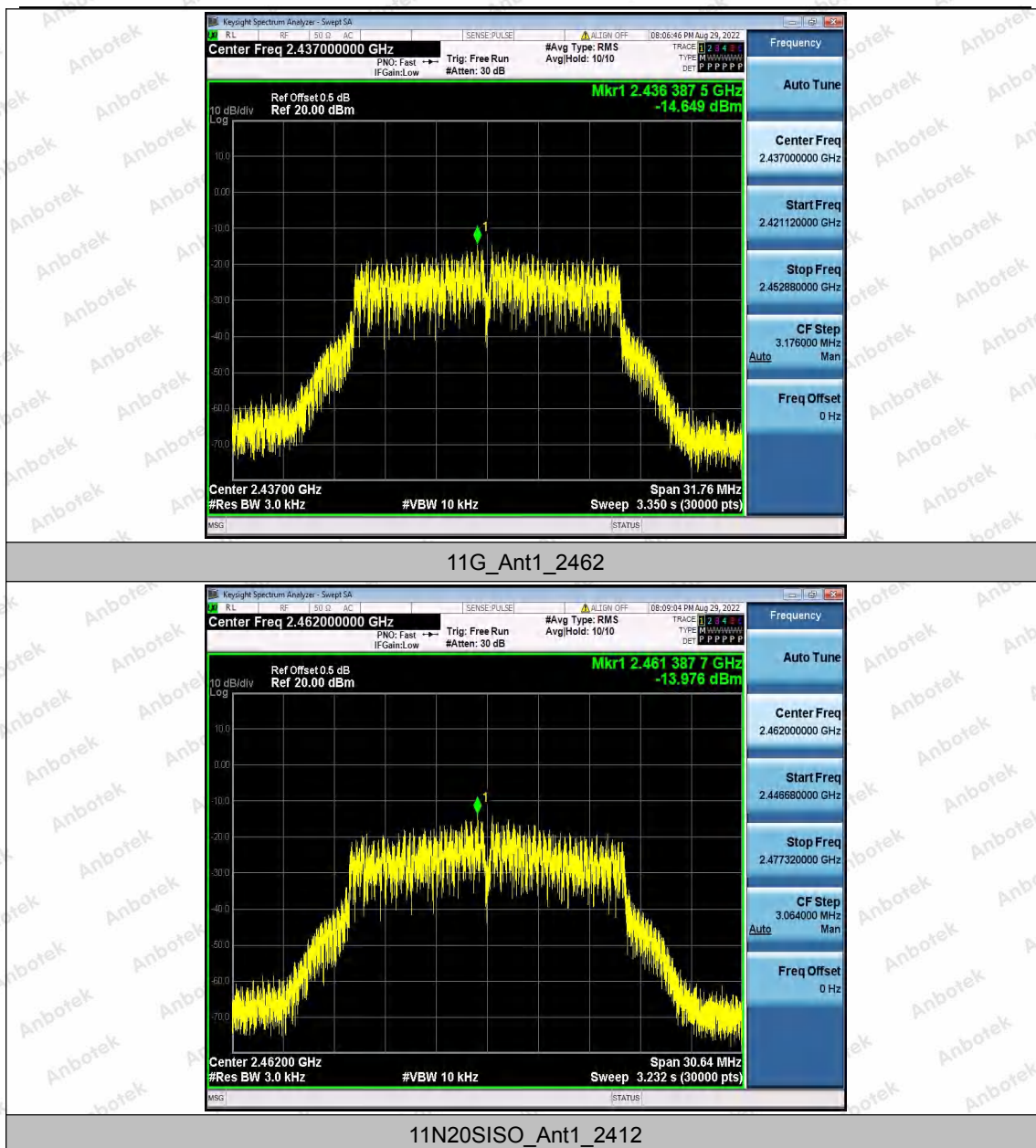
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

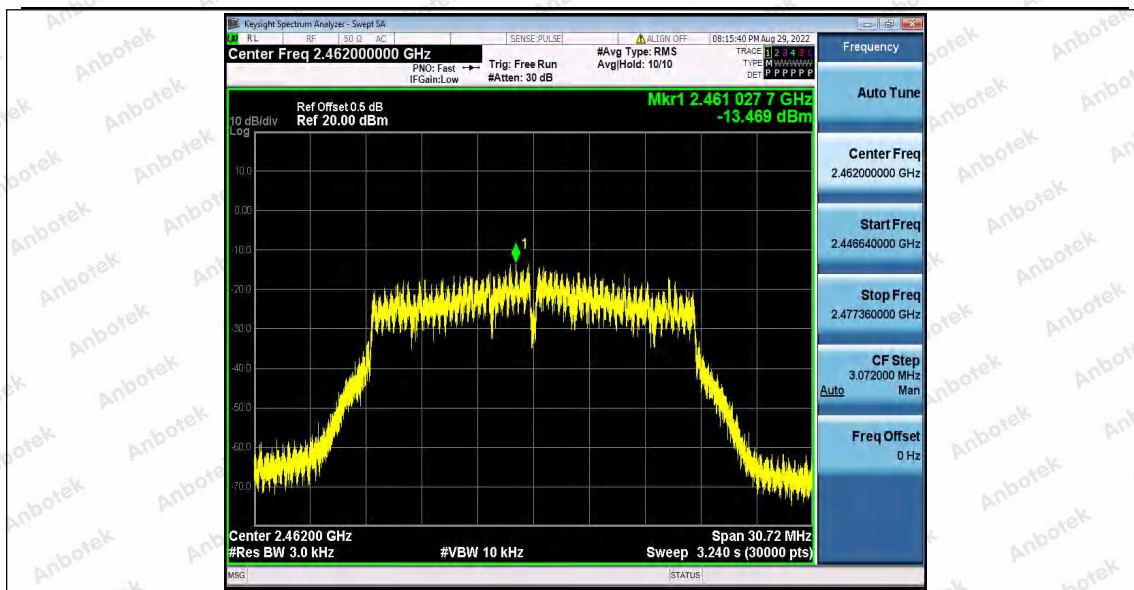
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Appendix E: Band edge measurements

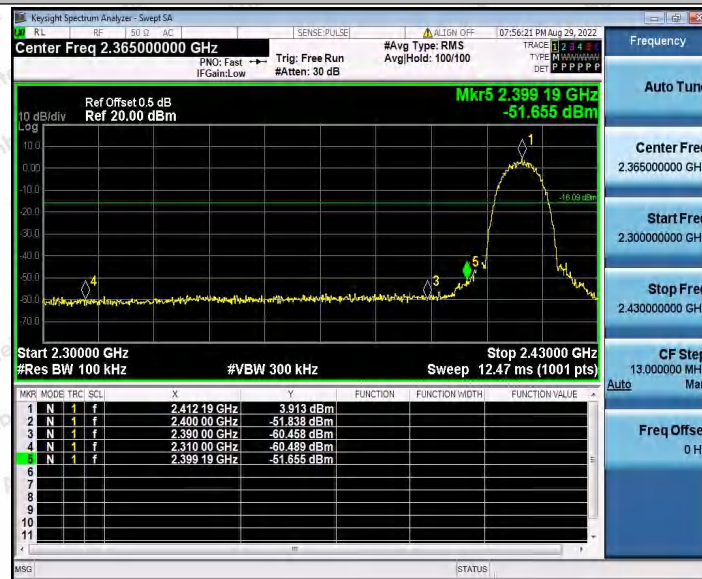
Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.91	-51.66	≤-16.09	PASS
		High	2462	3.46	-56.63	≤-16.54	PASS
11G	Ant1	Low	2412	1.40	-39.96	≤-18.6	PASS
		High	2462	1.13	-53.08	≤-18.88	PASS
11N20SISO	Ant1	Low	2412	0.28	-38.29	≤-19.73	PASS
		High	2462	0.79	-51.82	≤-19.21	PASS

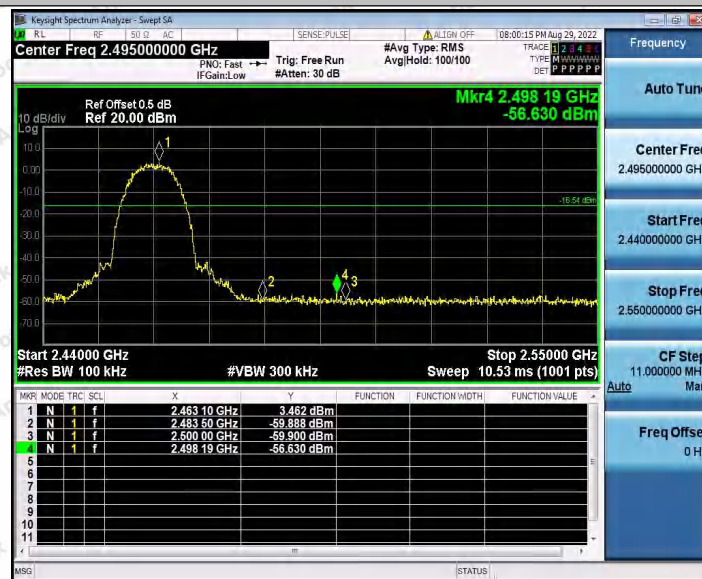


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-69.52	≤-28.9	PASS
			1000~26500	1.10	-54.66	≤-28.9	PASS
		2437	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-69.64	≤-28.14	PASS
			1000~26500	1.86	-54.53	≤-28.14	PASS
		2462	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-69.6	≤-28.39	PASS
			1000~26500	1.61	-53.82	≤-28.39	PASS
11G	Ant1	2412	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-69.68	≤-29.12	PASS
			1000~26500	0.88	-54.04	≤-29.12	PASS
		2437	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-69.7	≤-30.12	PASS
			1000~26500	-0.12	-54.29	≤-30.12	PASS
		2462	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-70.2	≤-29.9	PASS
			1000~26500	0.10	-54.19	≤-29.9	PASS
11N20SISO	Ant1	2412	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-69.52	≤-29.71	PASS
			1000~26500	0.29	-54.34	≤-29.71	PASS
		2437	Reference	-0.32	-0.32	---	PASS
			30~1000	-0.32	-69.91	≤-30.32	PASS
			1000~26500	-0.32	-50.51	≤-30.32	PASS
		2462	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-69.28	≤-29.69	PASS
			1000~26500	0.31	-54.63	≤-29.69	PASS

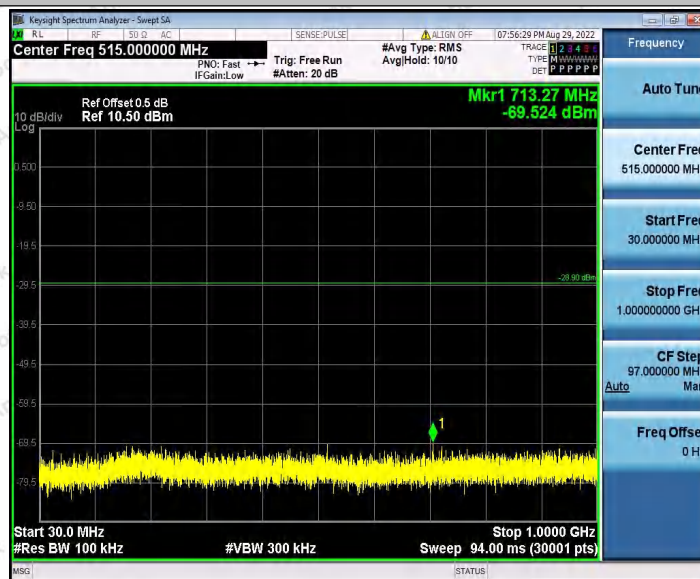


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

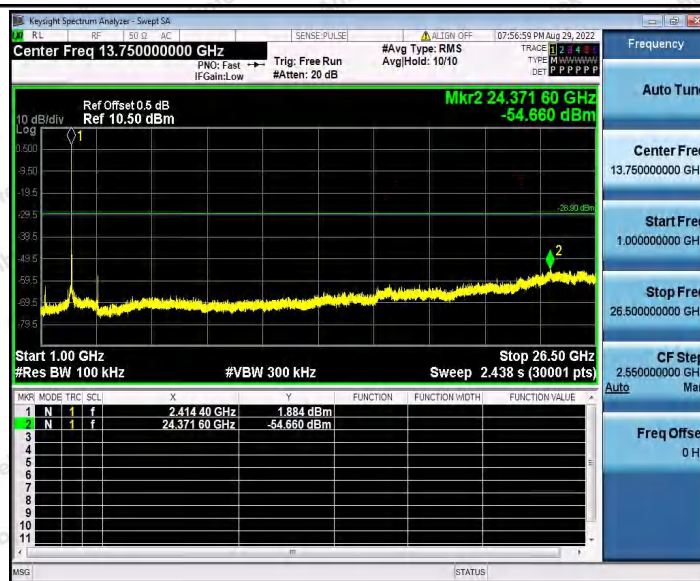
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

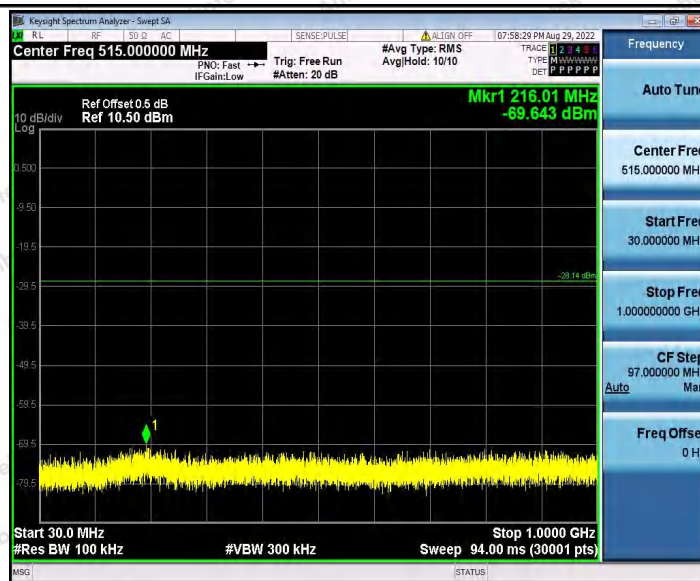
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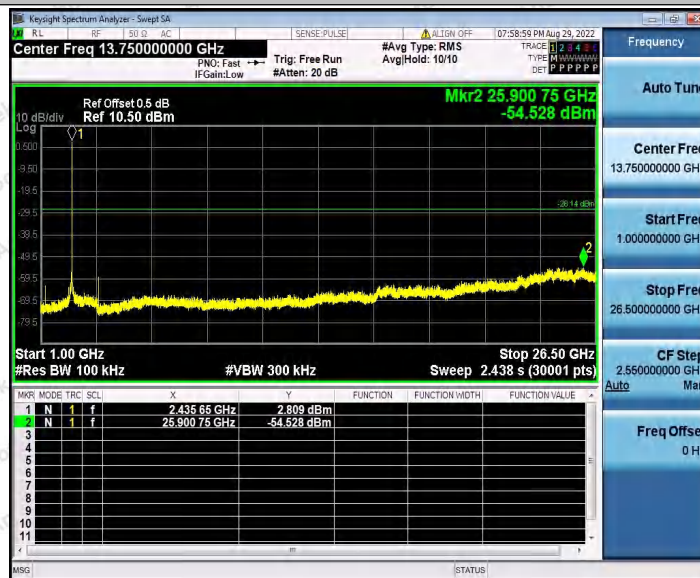


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11B_Ant1_2437_1000~26500

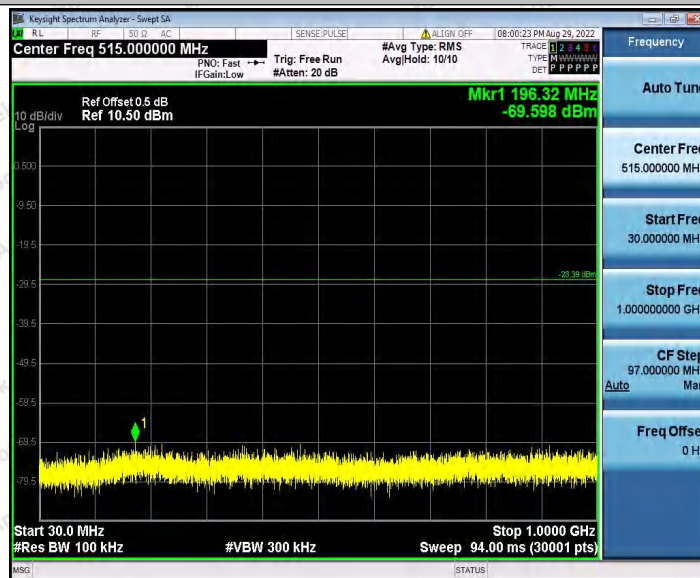


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11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

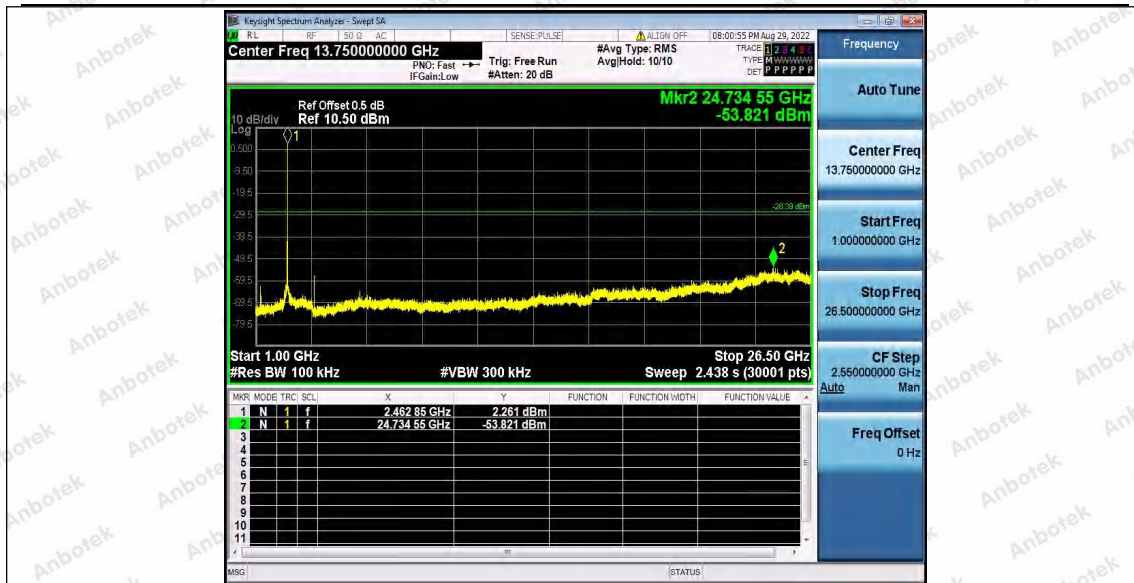
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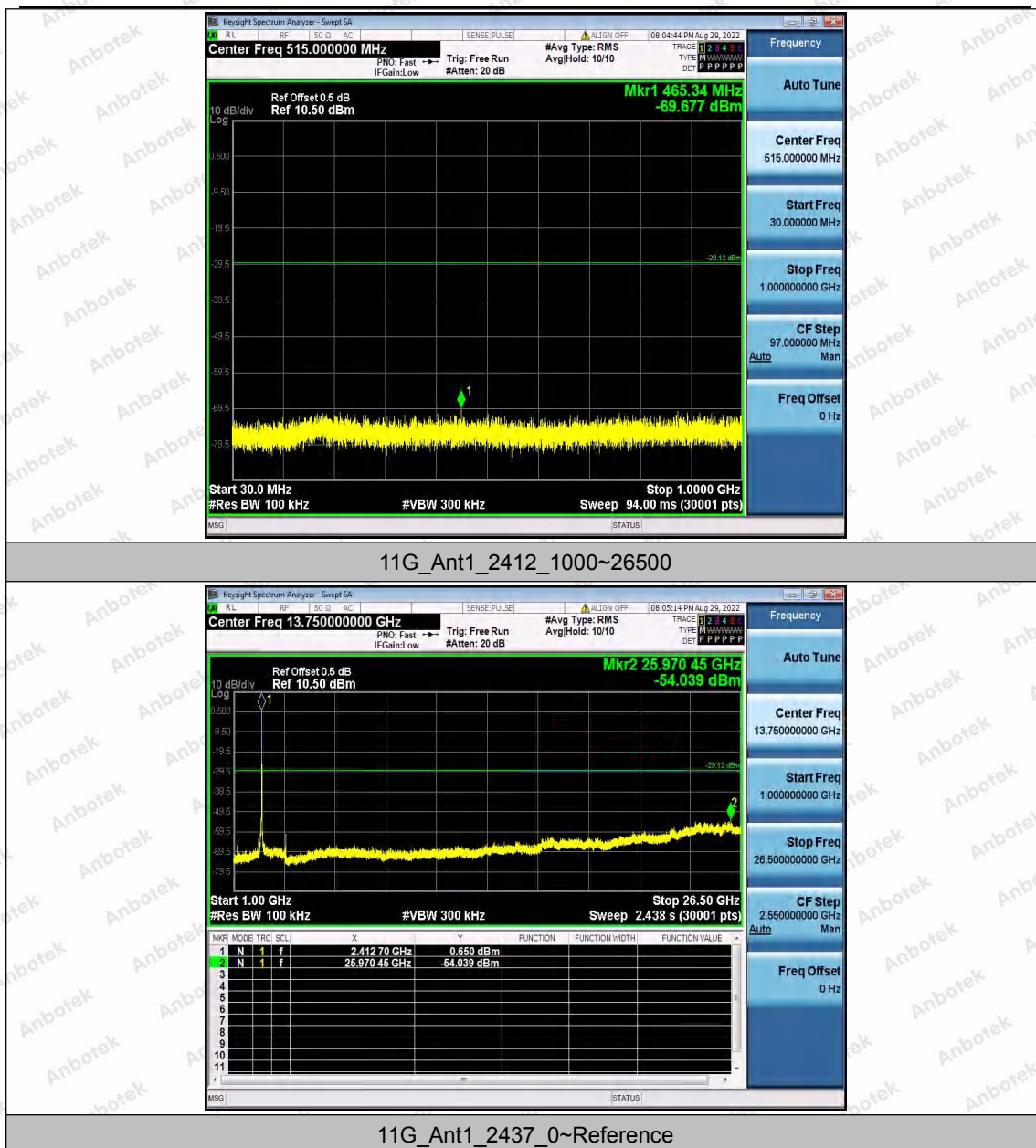


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11G_Ant1_2412_30~1000



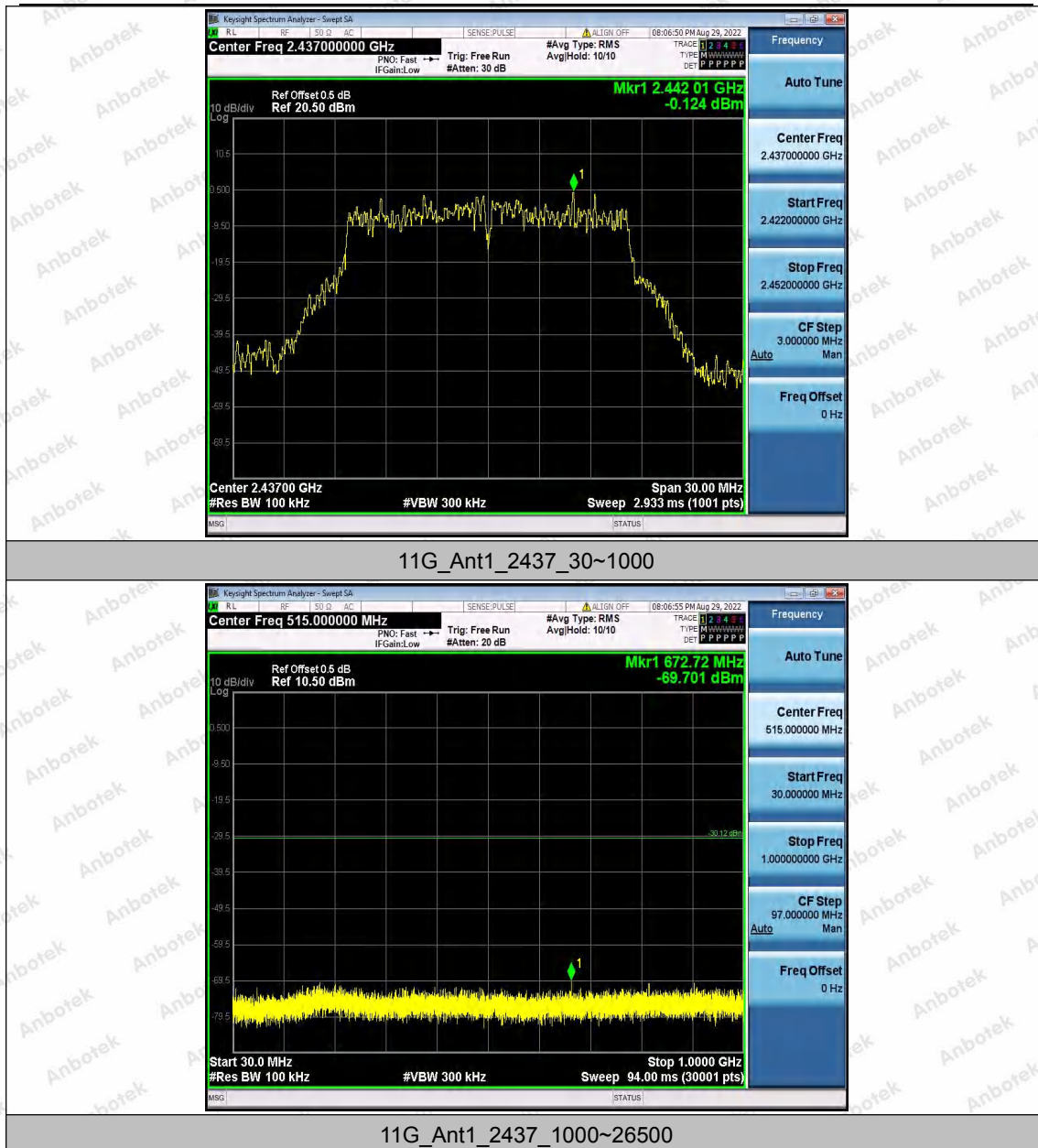
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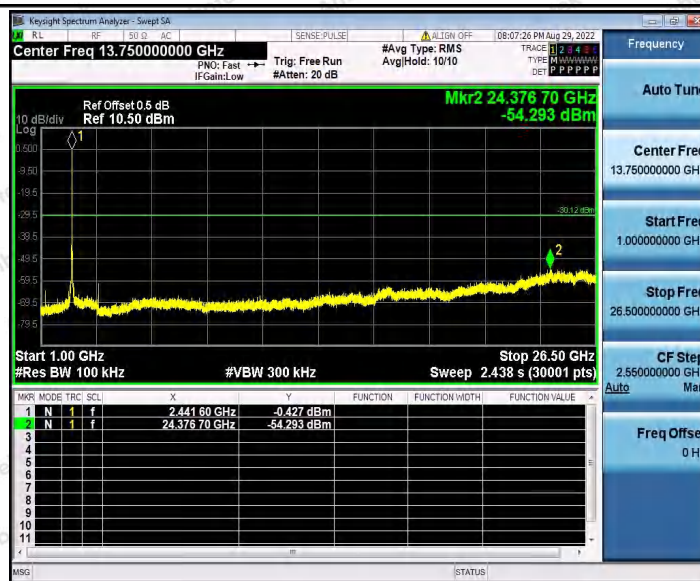
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000

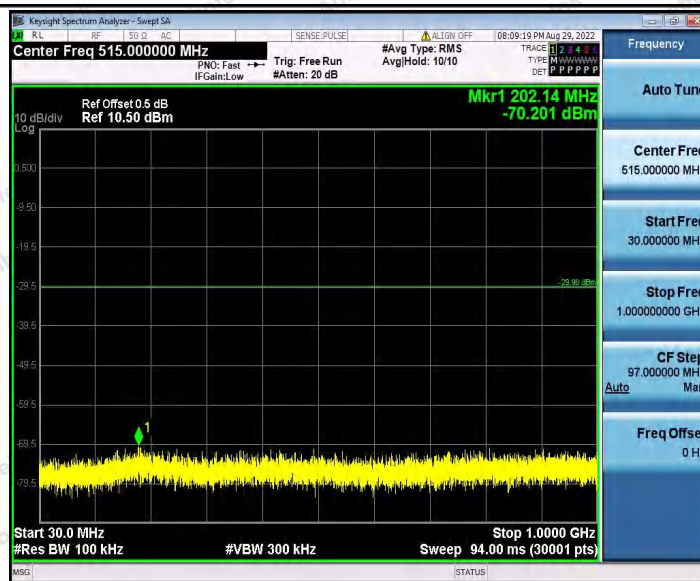
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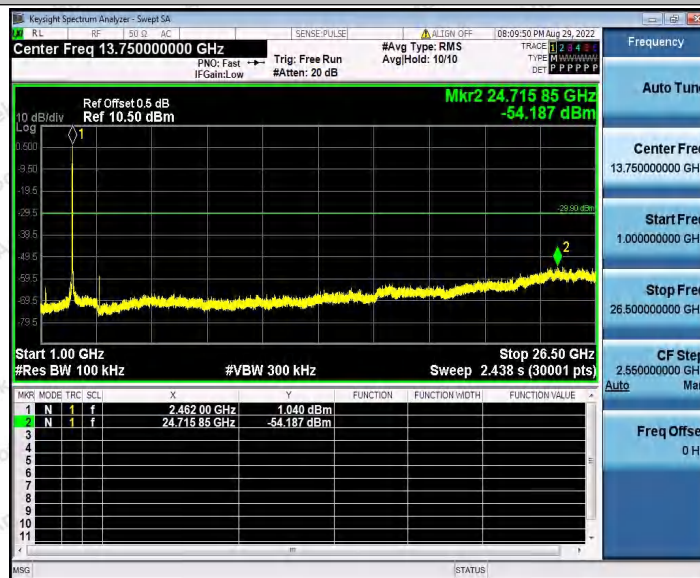


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11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference

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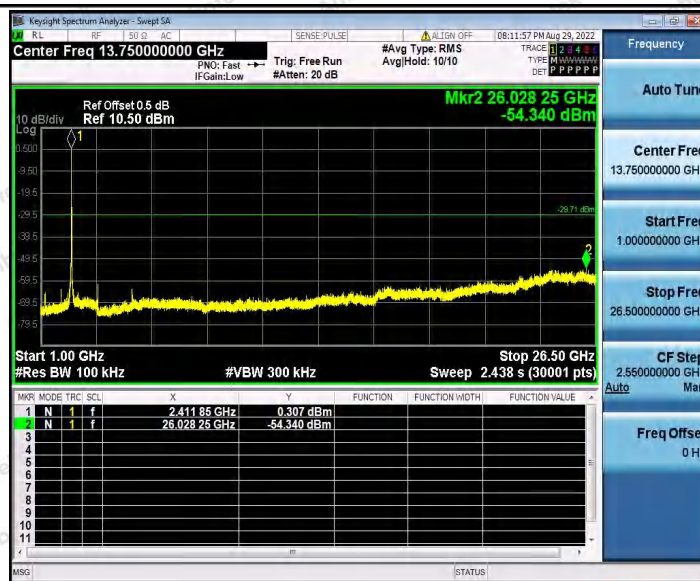
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11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

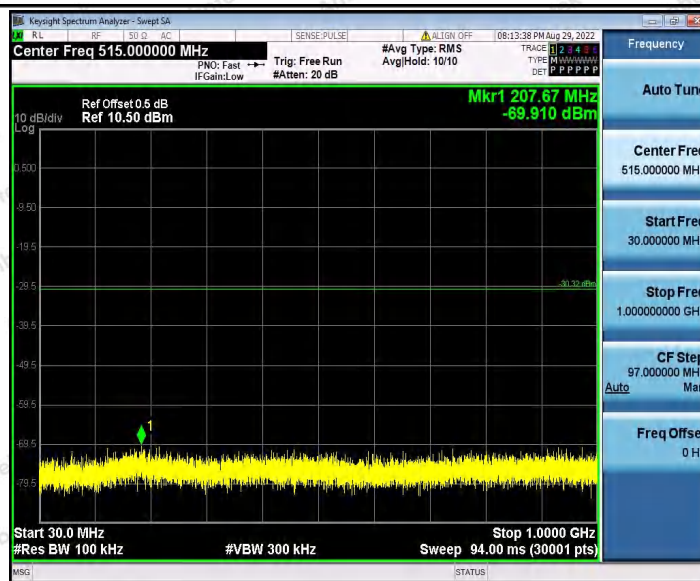
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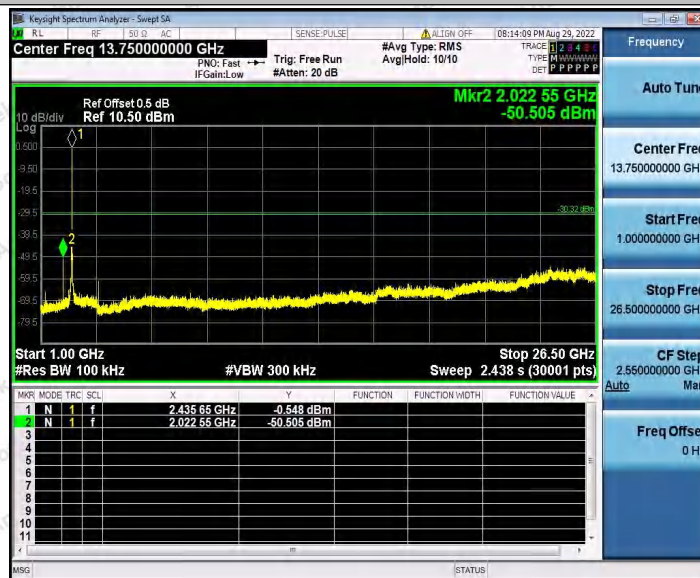


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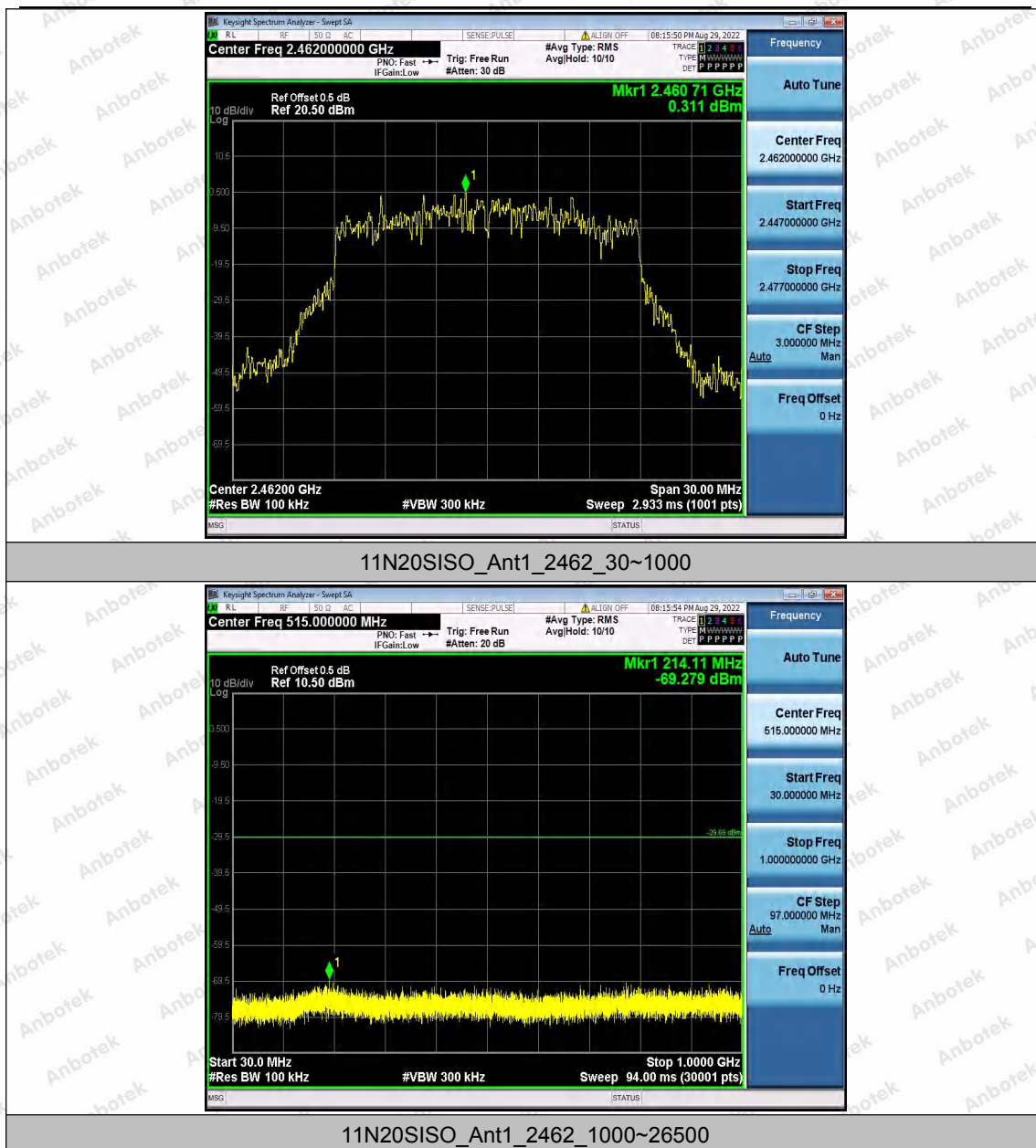


11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference





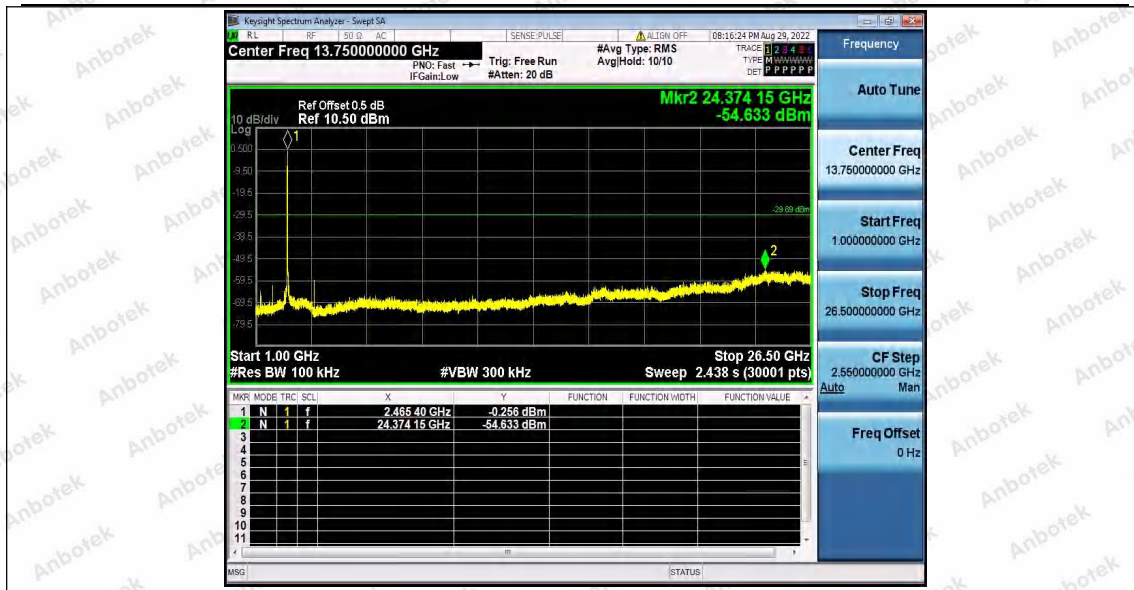
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Appendix G: Duty Cycle

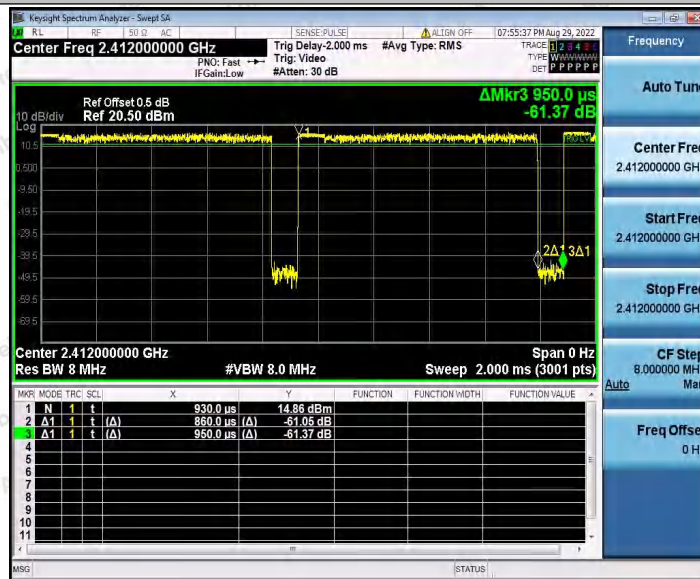
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	0.86	0.95	90.53	0.43
		2437	0.87	0.96	90.63	0.43
		2462	0.86	0.96	89.58	0.48
11G	Ant1	2412	0.18	0.28	64.29	1.92
		2437	0.18	0.29	62.07	2.07
		2462	0.18	0.29	62.07	2.07
11N20SISO	Ant1	2412	0.16	0.27	59.26	2.27
		2437	0.17	0.27	62.96	2.01
		2462	0.17	0.28	60.71	2.17

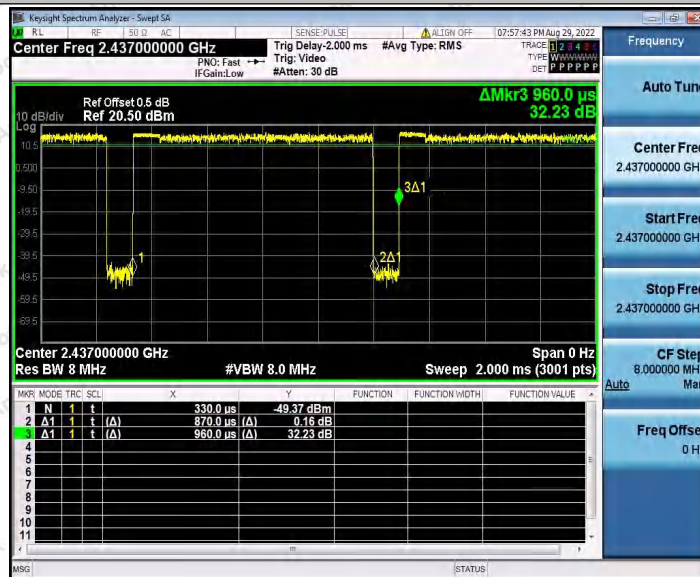


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

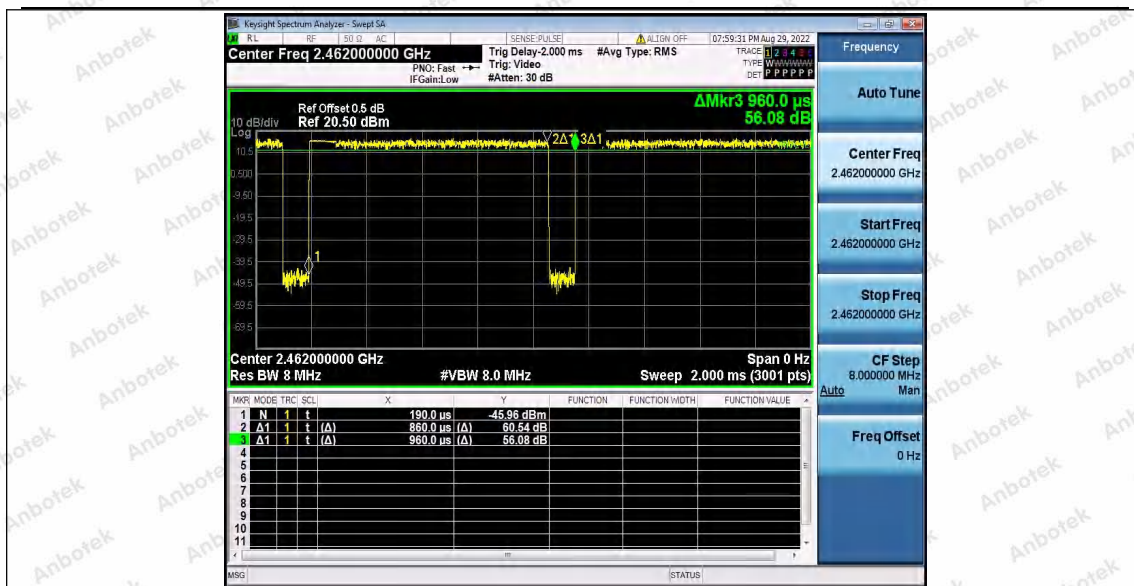
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

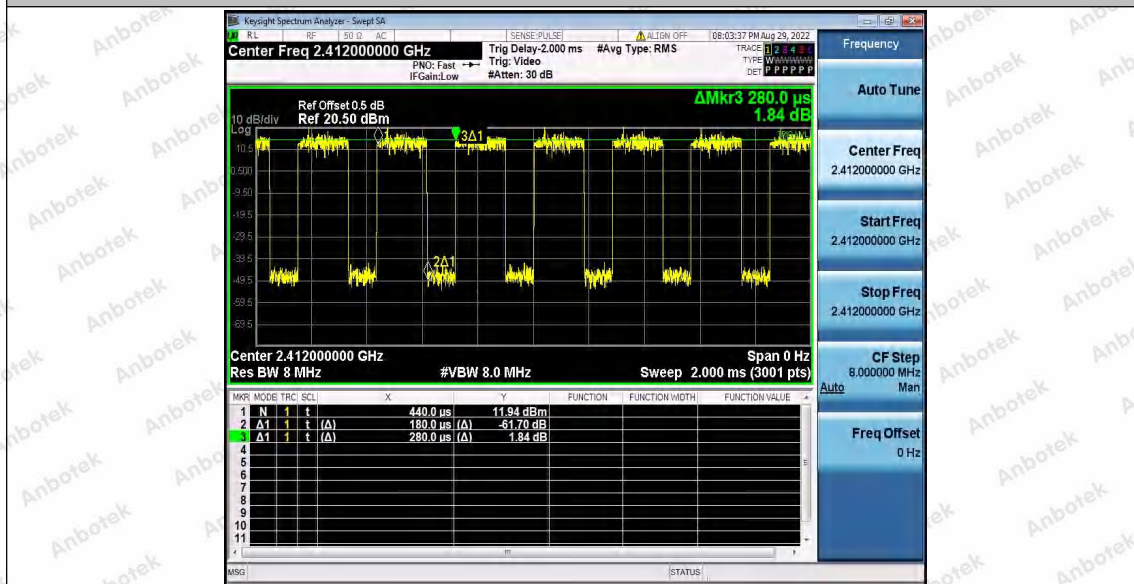


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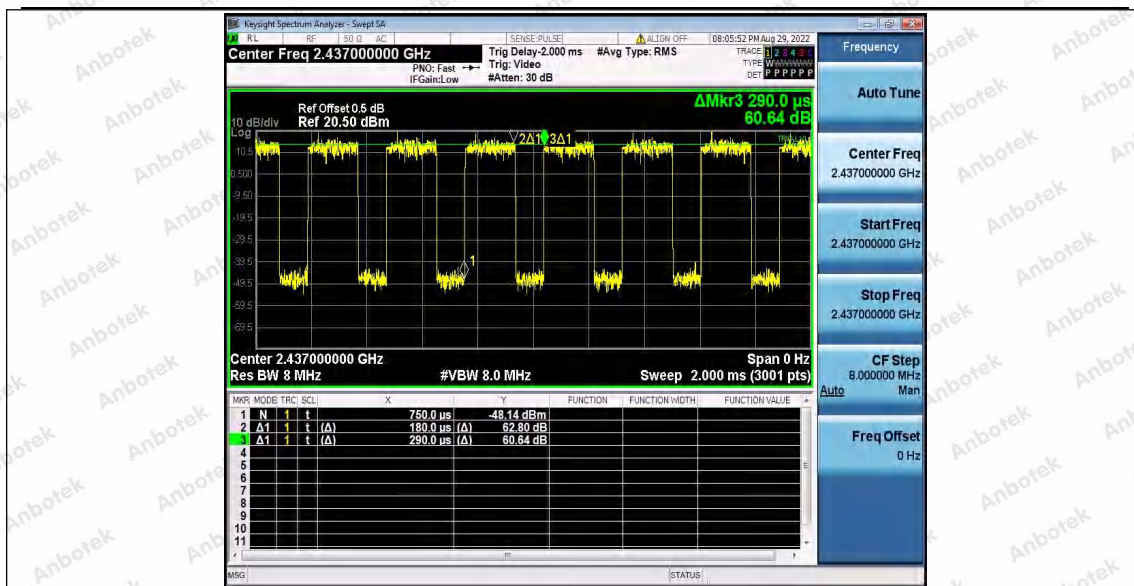


11G_Ant1_2412

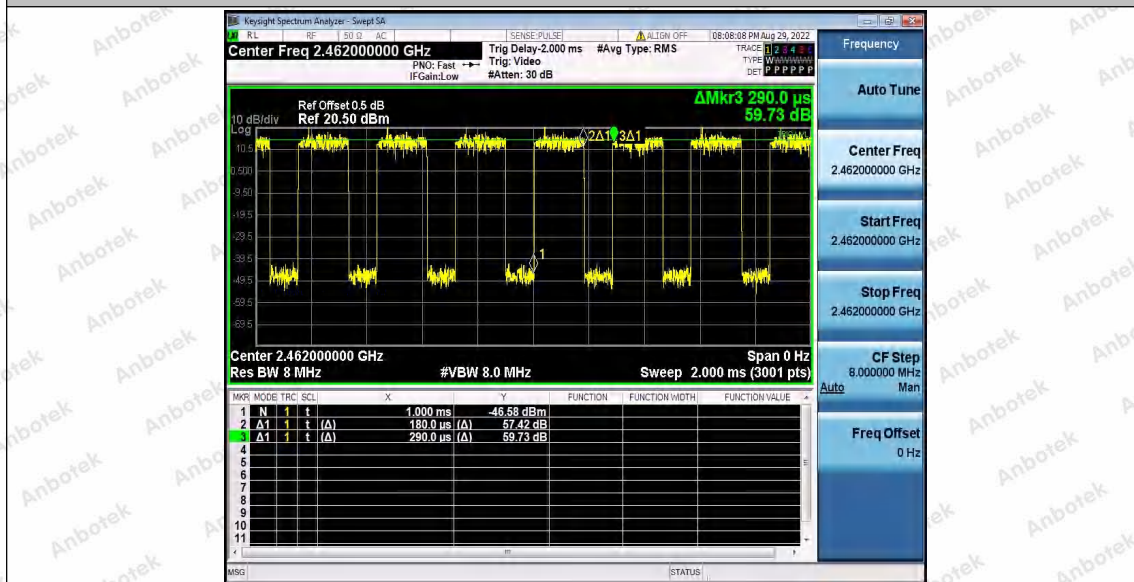


11G_Ant1_2437



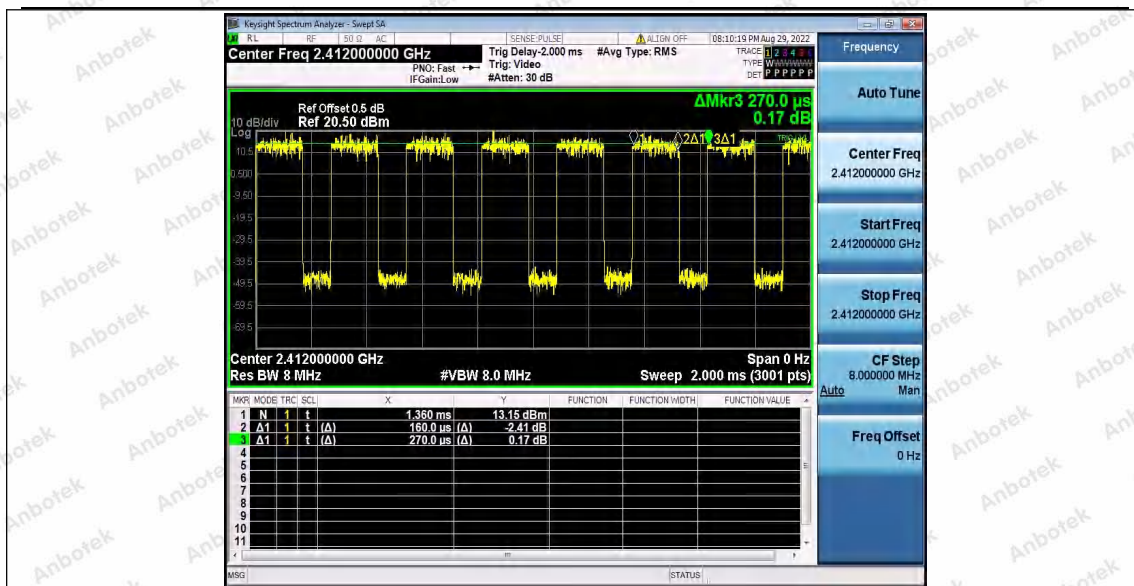


11G_Ant1_2462

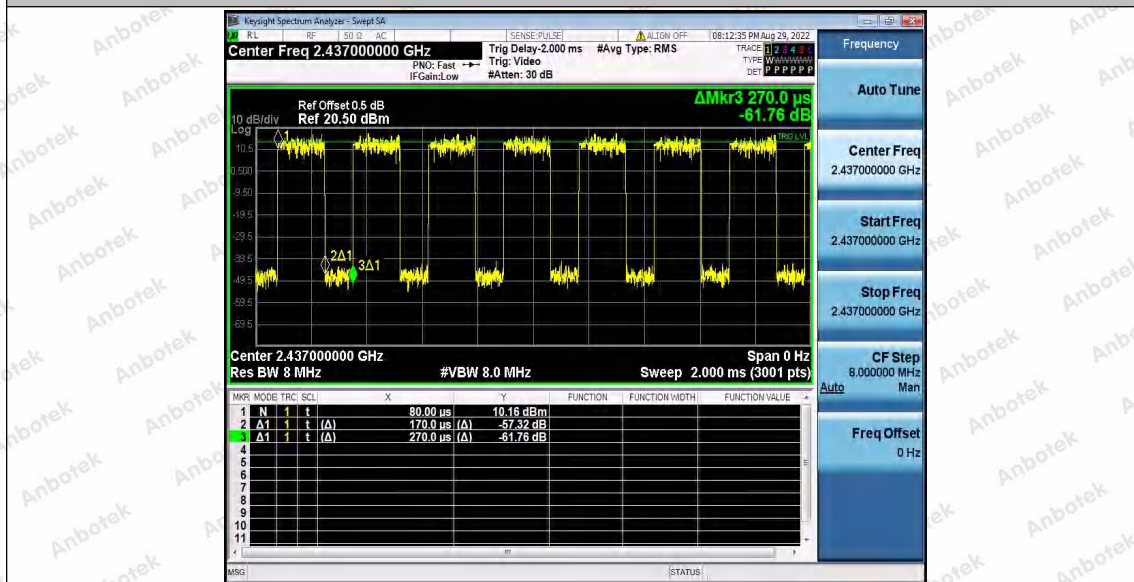


11N20SISO_Ant1_2412



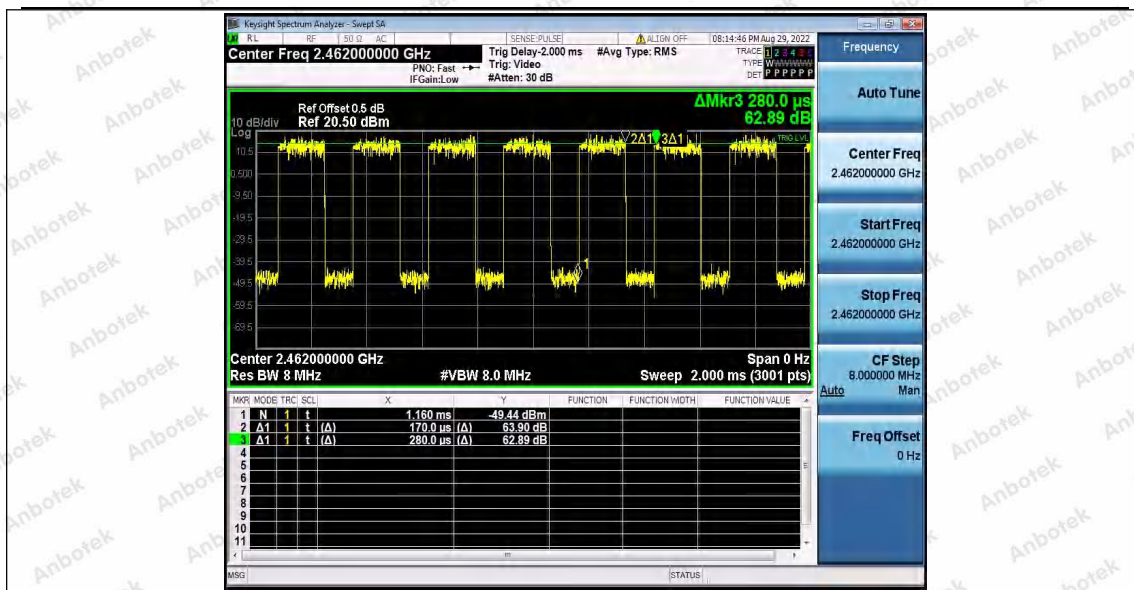


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





---End---

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