

Appendix Test Data

Report No.:	18220WC10196001	Test Date:	2021.9.14
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
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	11.000	2406.360	2417.360	≥0.5	PASS
		2437	10.440	2431.880	2442.320	≥0.5	PASS
		2462	11.240	2456.320	2467.560	≥0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥0.5	PASS
		2437	16.480	2428.760	2445.240	≥0.5	PASS
		2462	16.400	2453.760	2470.160	≥0.5	PASS
11N20	Ant1	2412	17.640	2403.200	2420.840	≥0.5	PASS
		2437	17.080	2428.800	2445.880	≥0.5	PASS
		2462	17.280	2453.480	2470.760	≥0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



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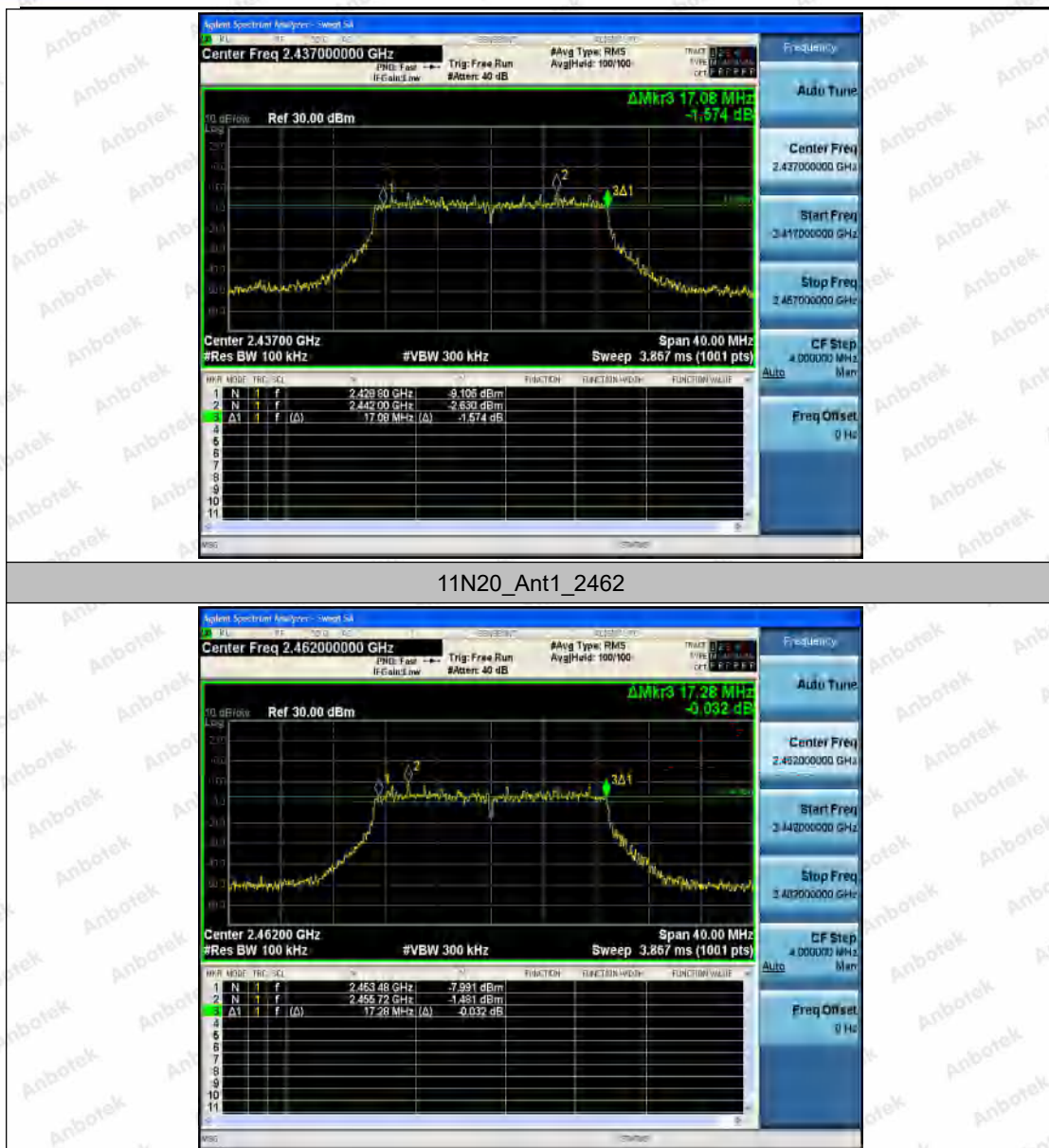
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



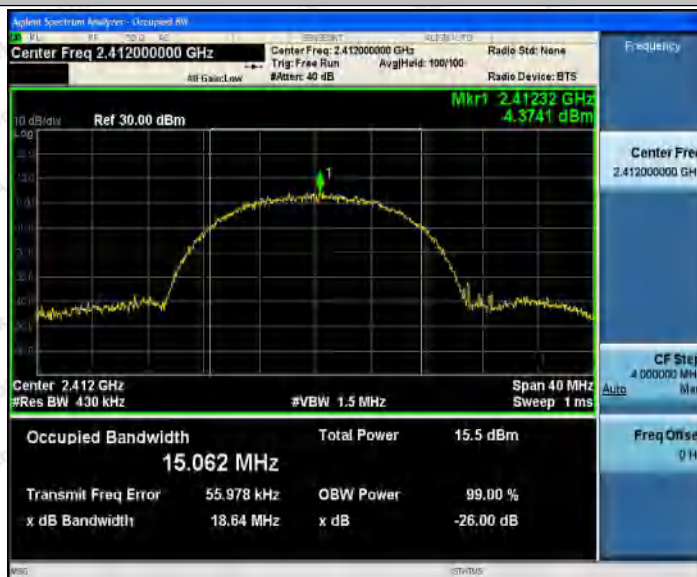
Appendix B: Occupied Channel Bandwidth

Test Result

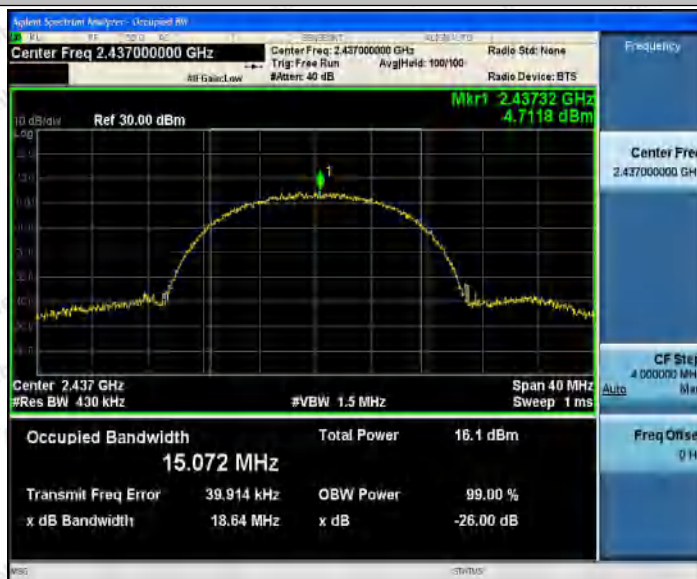
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.062	2404.525	2419.587	---	PASS
		2437	15.072	2429.504	2444.576	---	PASS
		2462	15.080	2454.455	2469.535	---	PASS
11G	Ant1	2412	16.827	2403.614	2420.441	---	PASS
		2437	16.888	2428.654	2445.542	---	PASS
		2462	16.869	2453.577	2470.446	---	PASS
11N20	Ant1	2412	17.869	2403.117	2420.986	---	PASS
		2437	17.945	2428.049	2445.994	---	PASS
		2462	17.830	2453.084	2470.914	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



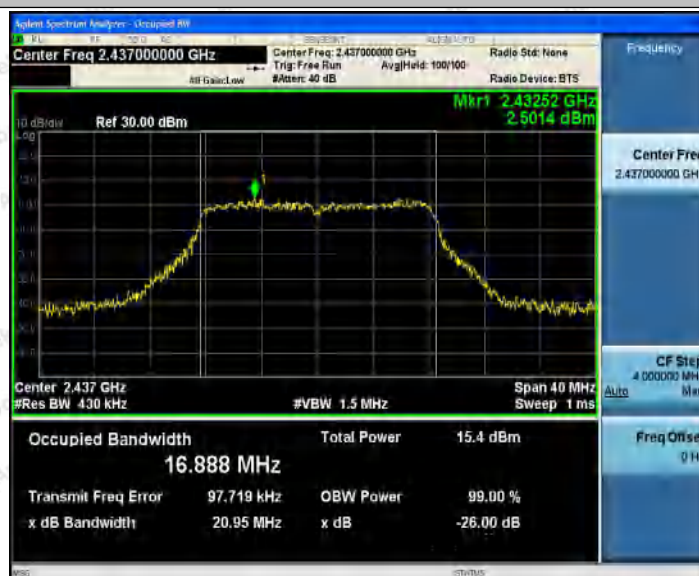
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



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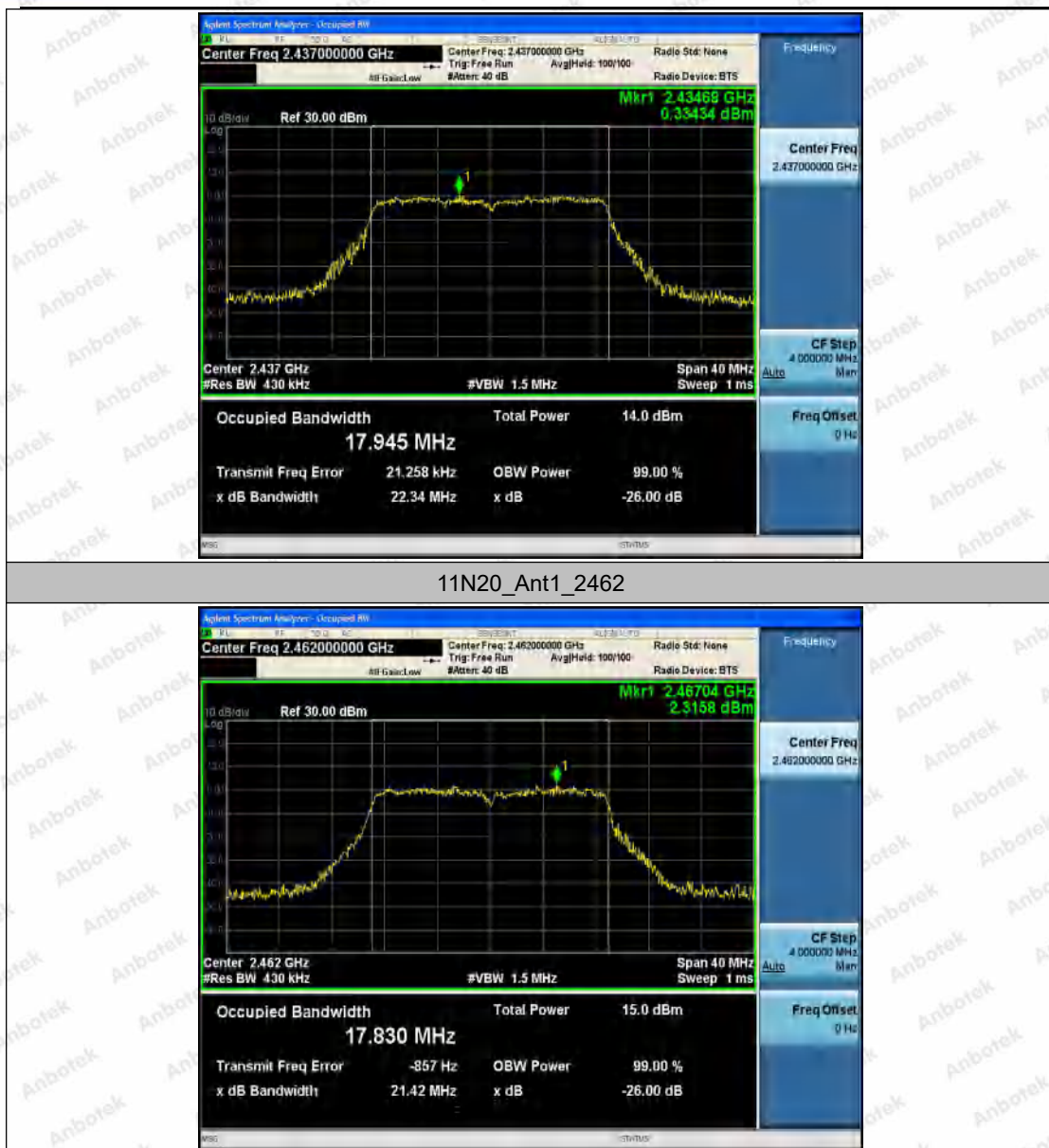
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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Appendix C: Maximum conducted output power

Test Result

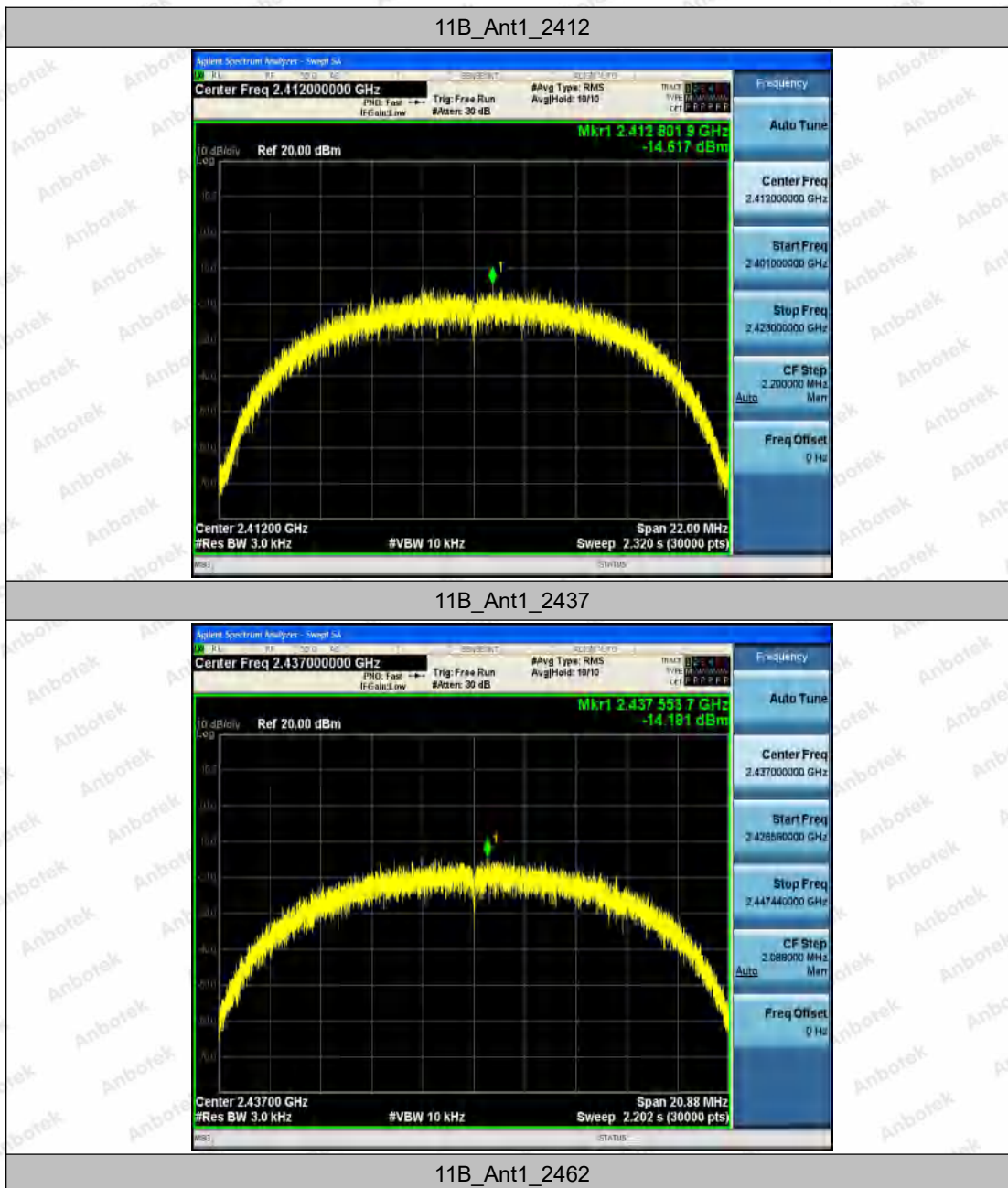
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.48	≤30	PASS
		2437	15.66	≤30	PASS
		2462	16.42	≤30	PASS
11G	Ant1	2412	14.53	≤30	PASS
		2437	16.10	≤30	PASS
		2462	16.73	≤30	PASS
11N20	Ant1	2412	13.69	≤30	PASS
		2437	14.95	≤30	PASS
		2462	15.95	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.62	≤8	PASS
		2437	-14.18	≤8	PASS
		2462	-12.57	≤8	PASS
11G	Ant1	2412	-17.51	≤8	PASS
		2437	-17.21	≤8	PASS
		2462	-16.19	≤8	PASS
11N20	Ant1	2412	-19.58	≤8	PASS
		2437	-17.84	≤8	PASS
		2462	-16.71	≤8	PASS

Test Graphs

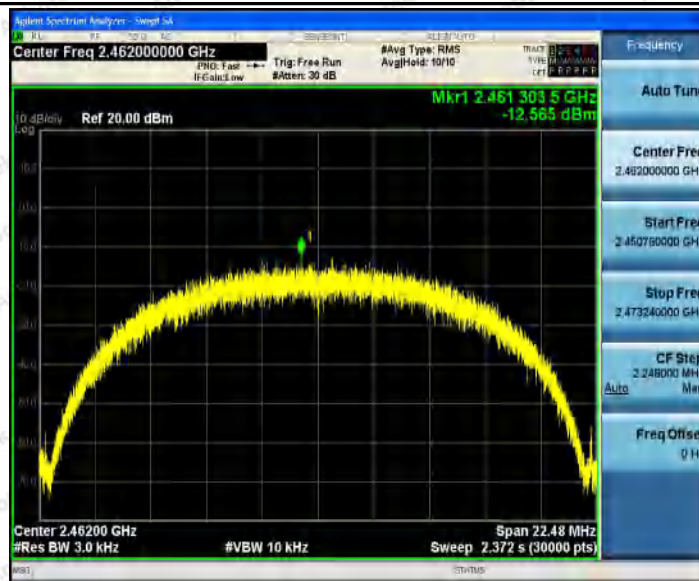


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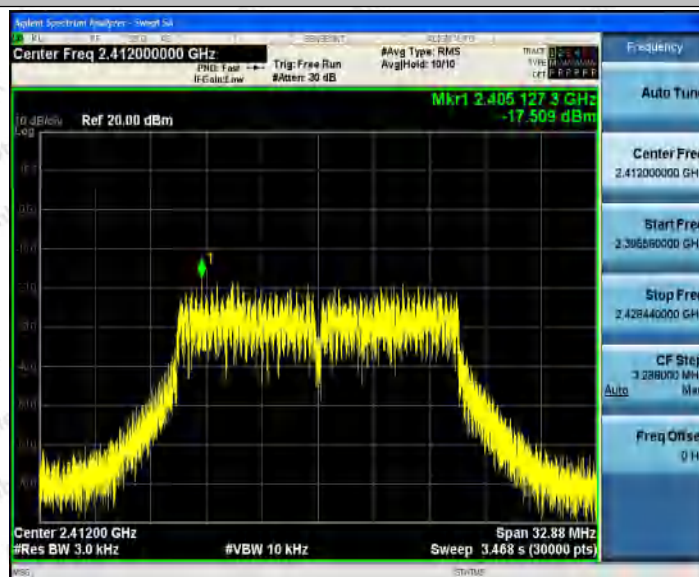
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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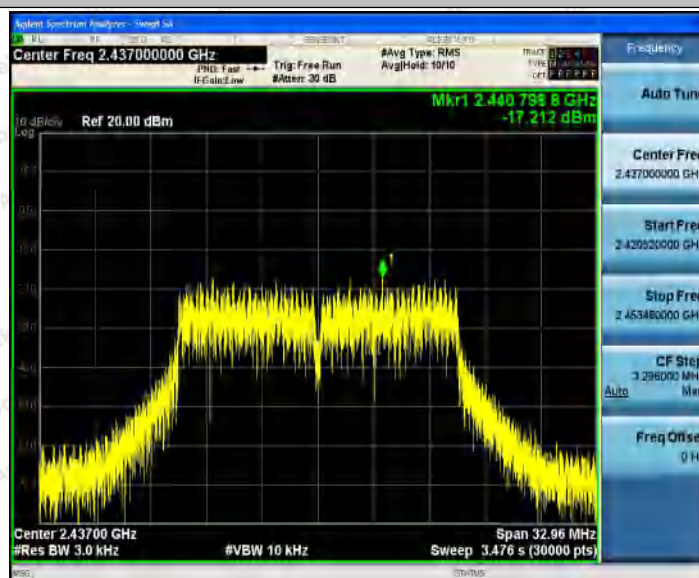
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11G_Ant1_2412



11G_Ant1_2437



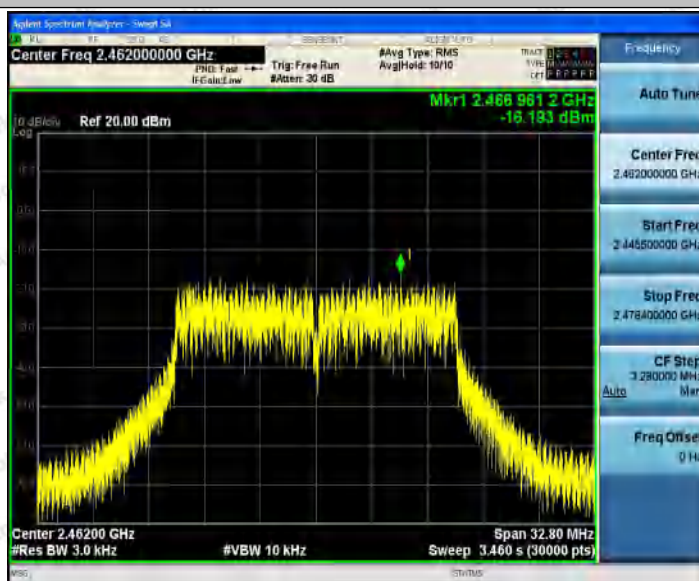
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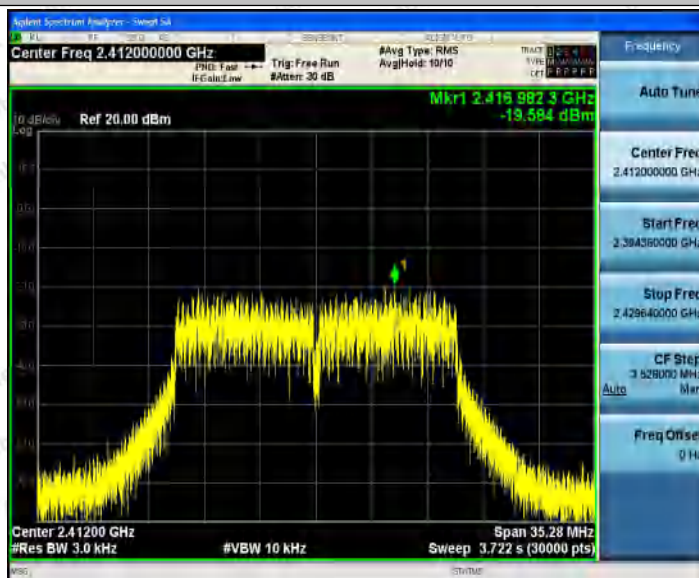
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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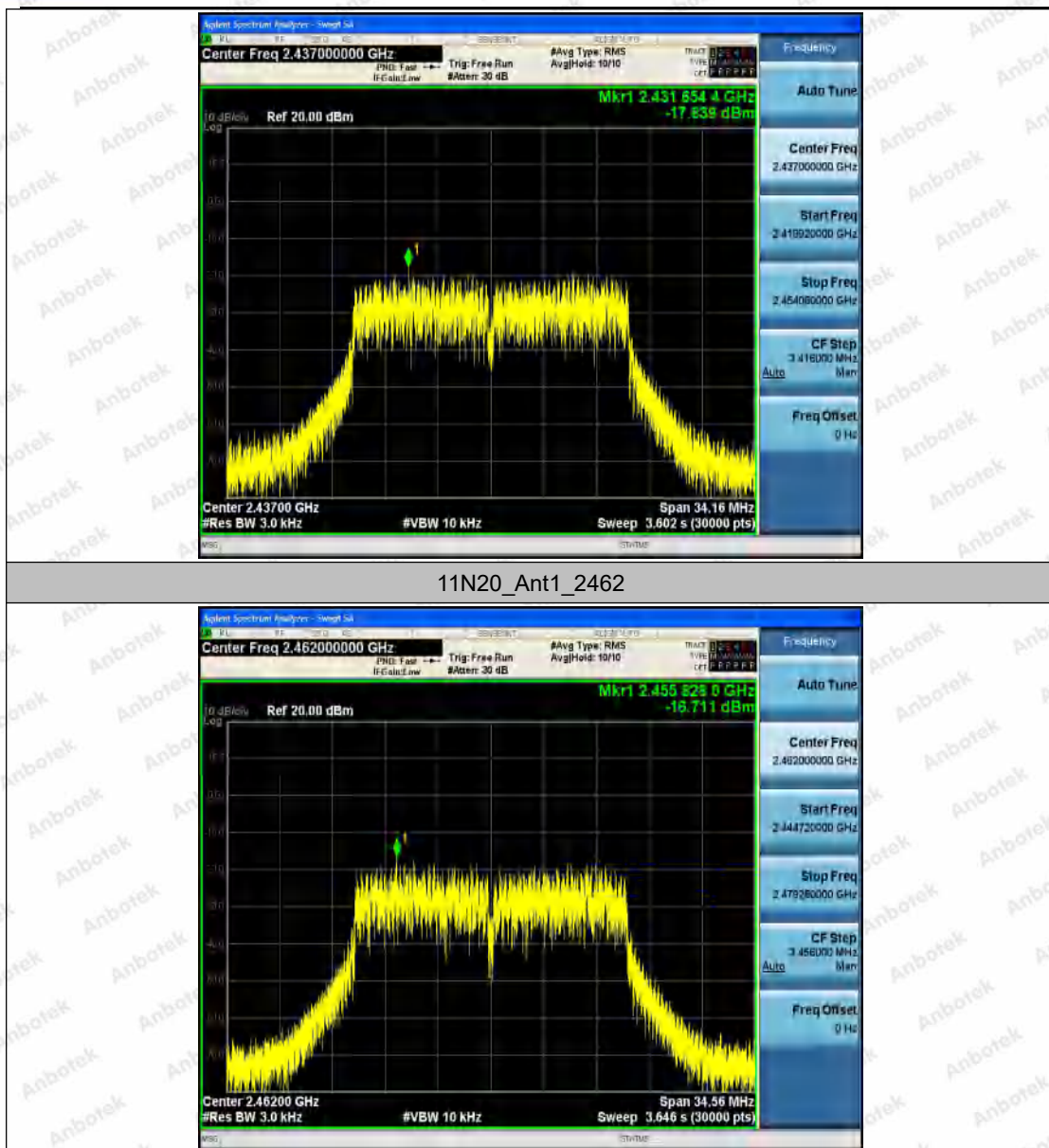
11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437



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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	-0.43	-45.01	≤ -20.43	PASS
		High	2462	0.69	-54.12	≤ -19.32	PASS
11G	Ant1	Low	2412	-3.27	-41.32	≤ -23.27	PASS
		High	2462	-1.30	-46.4	≤ -21.3	PASS
11N20	Ant1	Low	2412	-4.50	-42.89	≤ -24.5	PASS
		High	2462	-1.97	-54.31	≤ -21.97	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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11G_Ant1_High_2462



11N20_Ant1_Low_2412

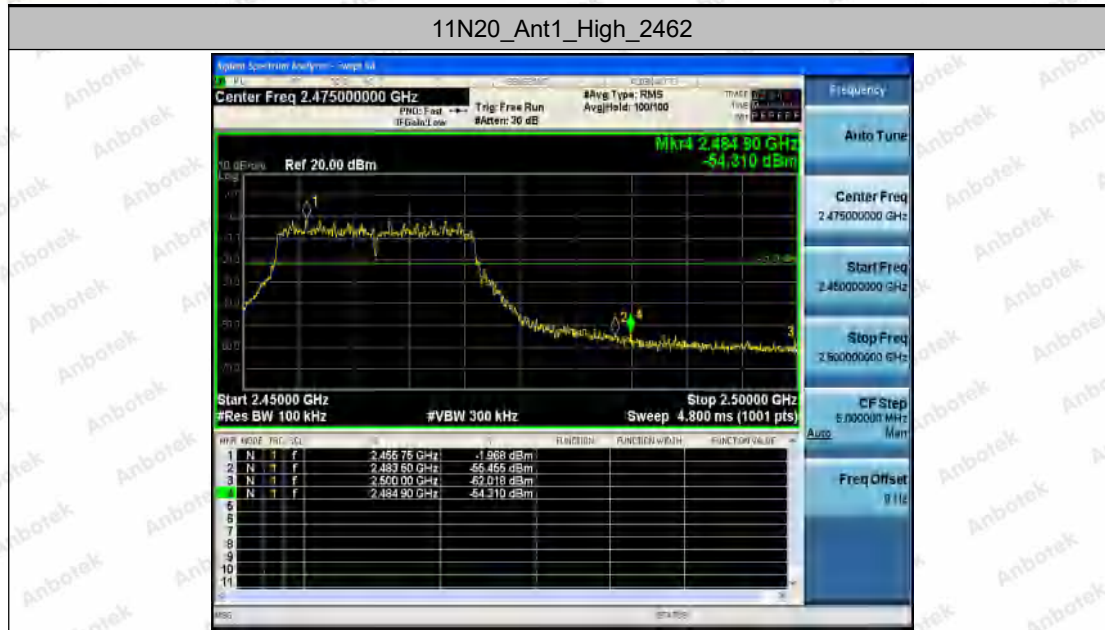


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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-68.72	≤-20.56	PASS
			1000~26500	-0.56	-54.63	≤-20.56	PASS
		2437	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-67.51	≤-20.18	PASS
			1000~26500	-0.18	-55.69	≤-20.18	PASS
		2462	Reference	1.09	1.09	---	PASS
			30~1000	1.09	-67.79	≤-18.91	PASS
			1000~26500	1.09	-55.21	≤-18.91	PASS
11G	Ant1	2412	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-69.16	≤-23.09	PASS
			1000~26500	-3.09	-54.66	≤-23.09	PASS
		2437	Reference	-1.73	-1.73	---	PASS
			30~1000	-1.73	-69.7	≤-21.73	PASS
			1000~26500	-1.73	-55.3	≤-21.73	PASS
		2462	Reference	-1.09	-1.09	---	PASS
			30~1000	-1.09	-63.63	≤-21.09	PASS
			1000~26500	-1.09	-55.12	≤-21.09	PASS
11N20	Ant1	2412	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-66.9	≤-24.21	PASS
			1000~26500	-4.21	-55.49	≤-24.21	PASS
		2437	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-68.56	≤-23.11	PASS
			1000~26500	-3.11	-47.61	≤-23.11	PASS
		2462	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-67.21	≤-21.87	PASS
			1000~26500	-1.87	-55.19	≤-21.87	PASS

Test Graphs

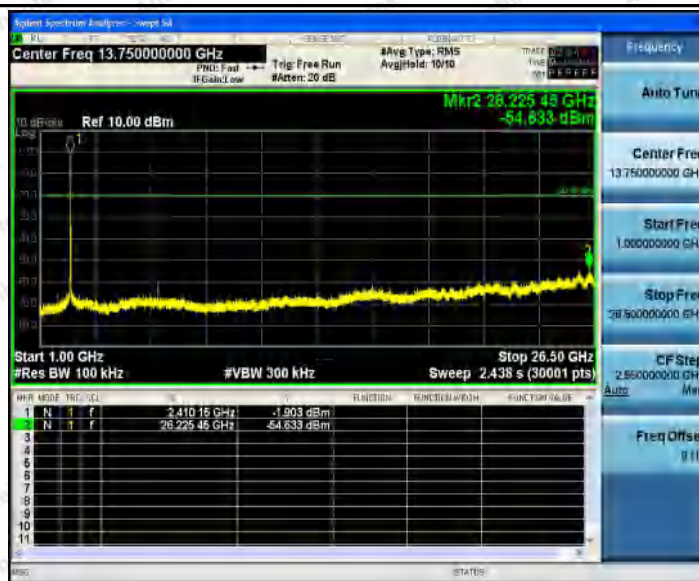
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11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



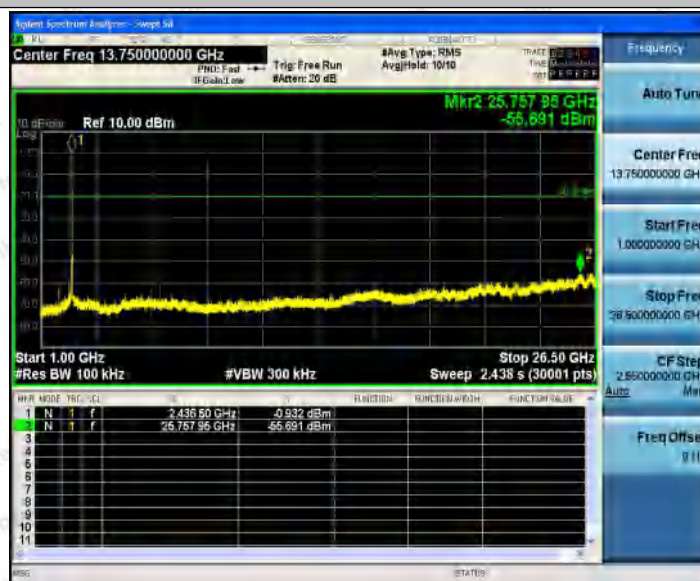
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11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



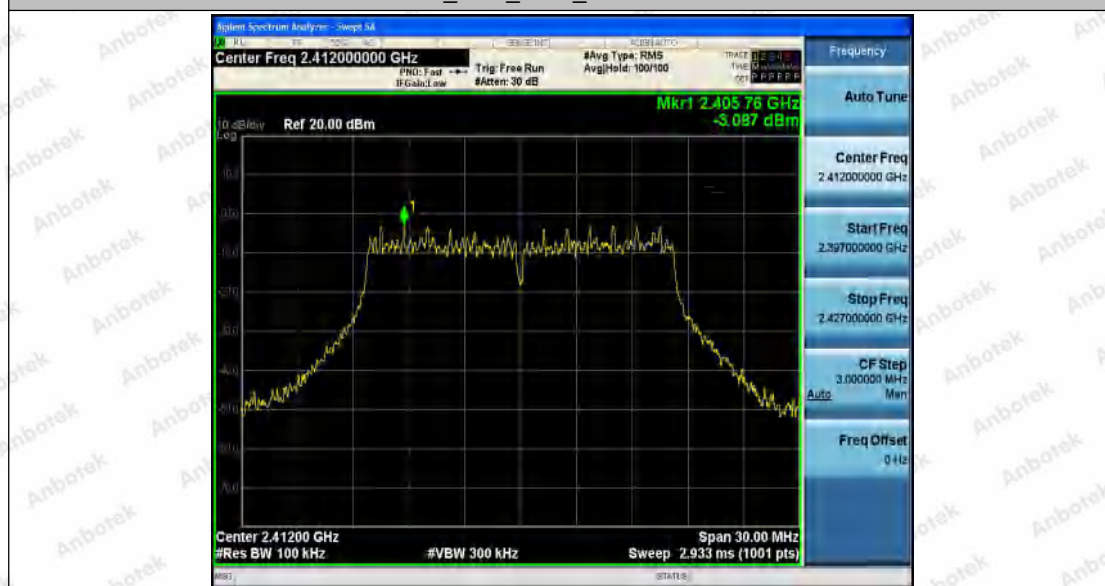
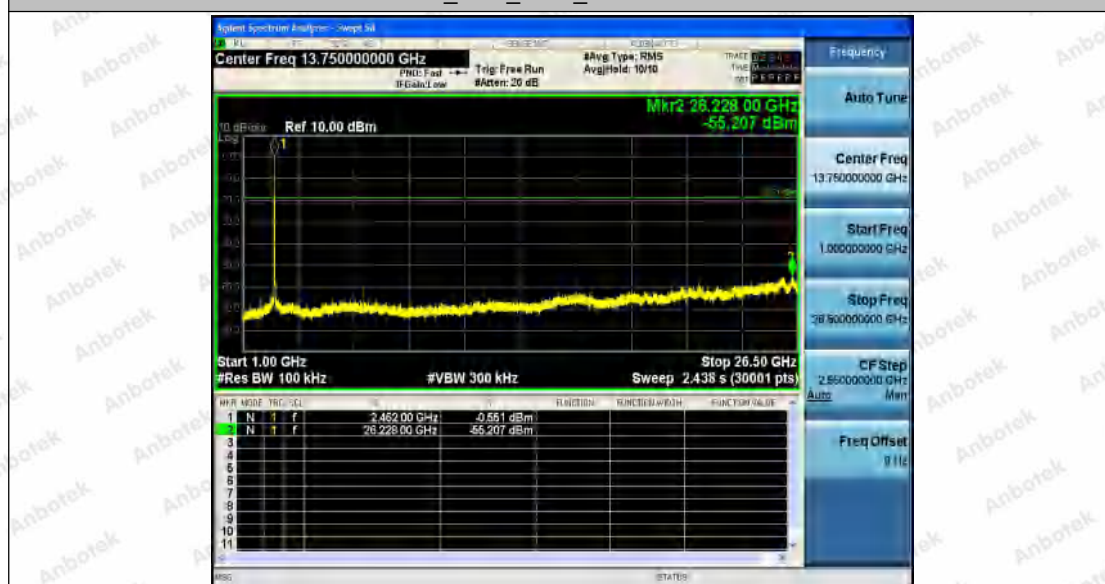
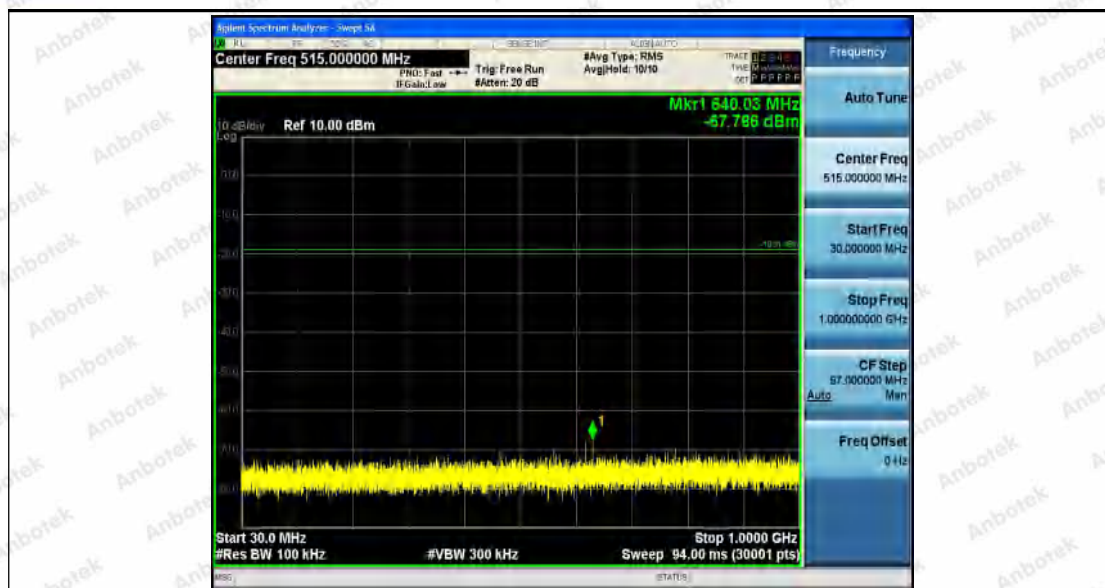
11B_Ant1_2462_30~1000

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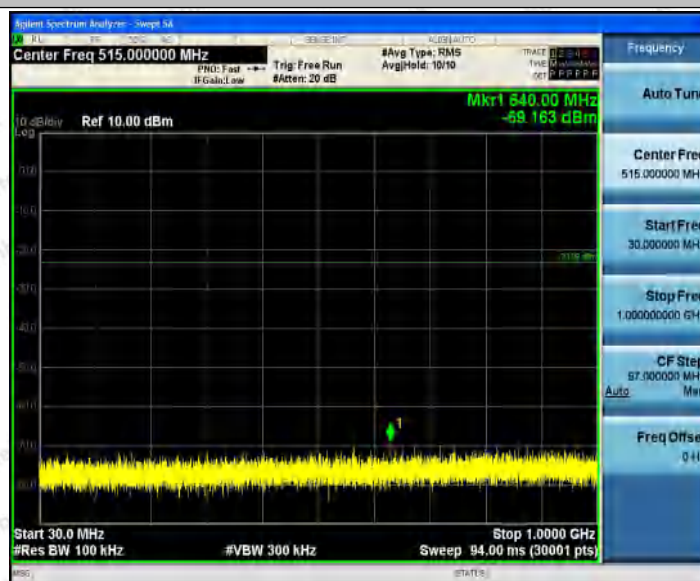
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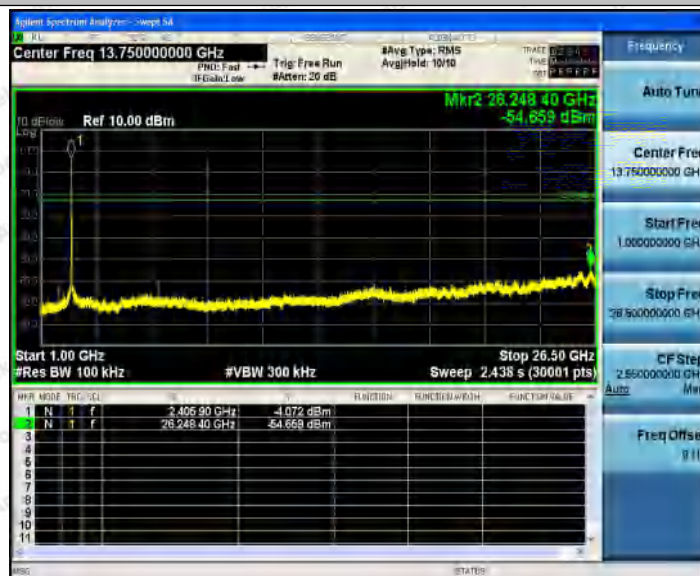
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11G_Ant1_2412_30~1000



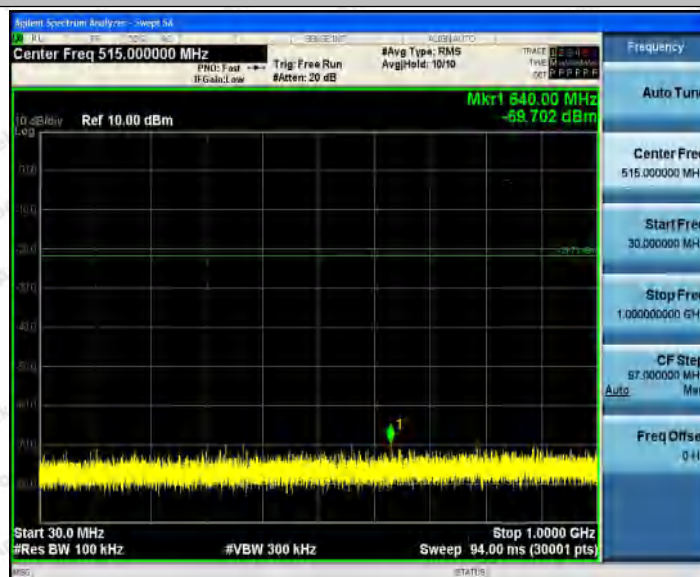
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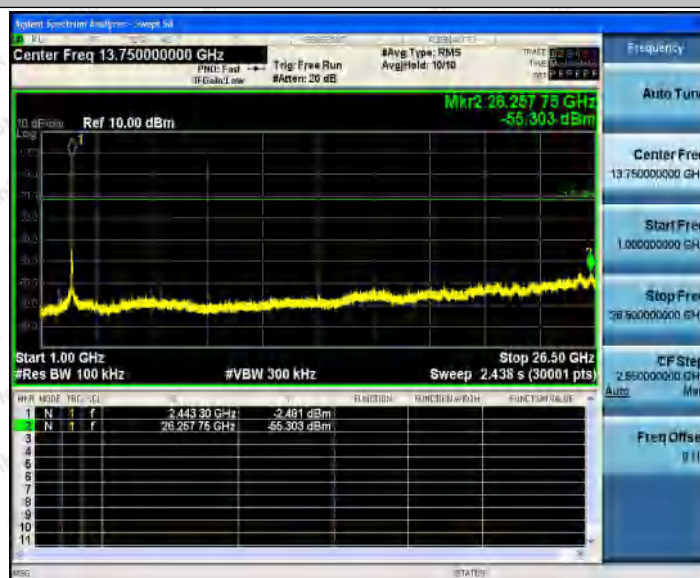
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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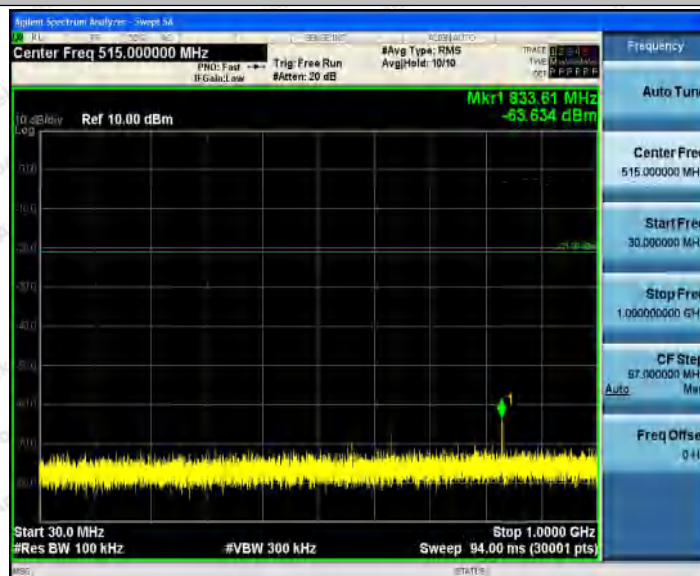
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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



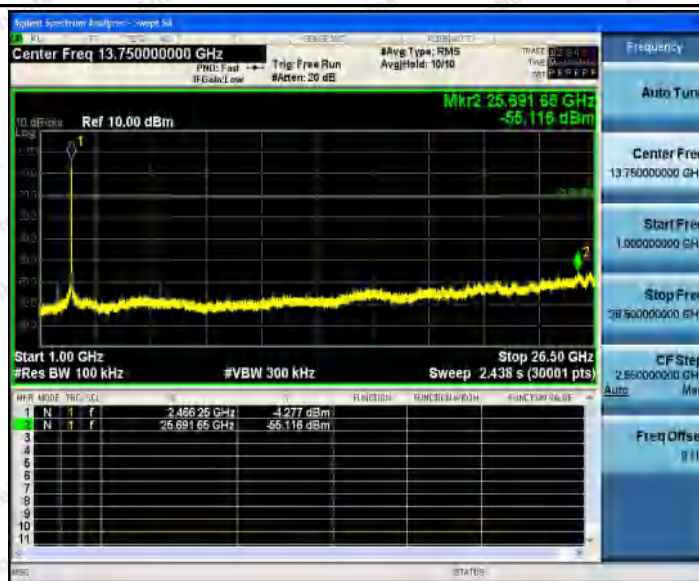
11G_Ant1_2462_1000~26500

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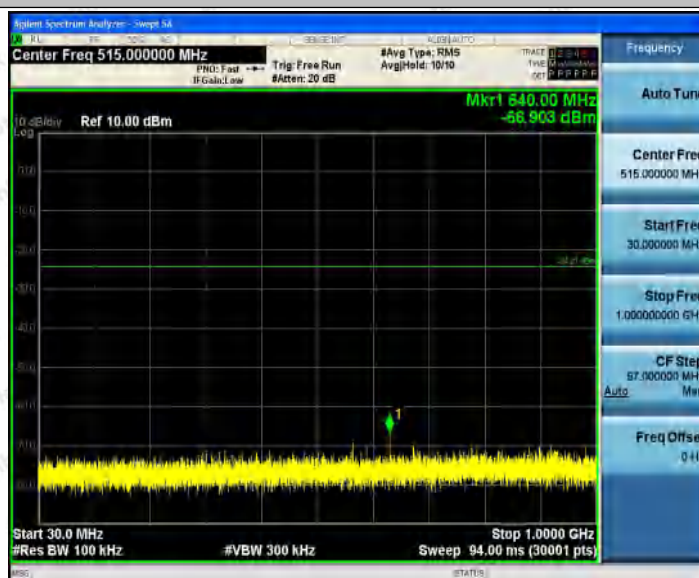
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11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



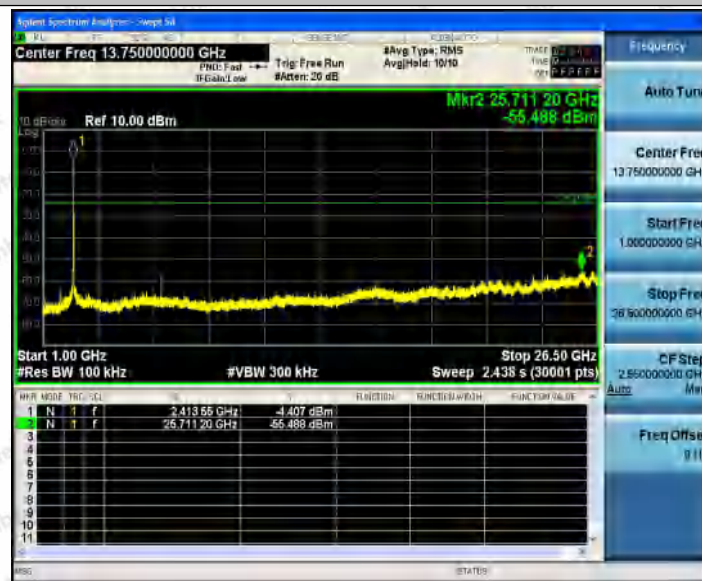
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11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



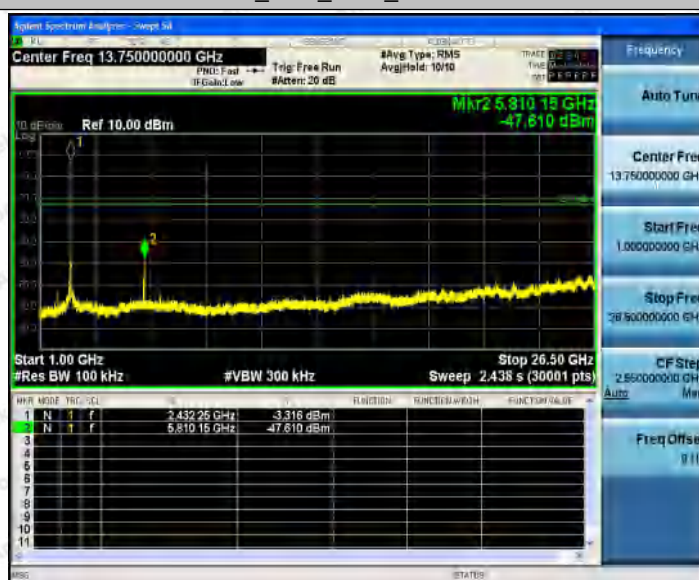
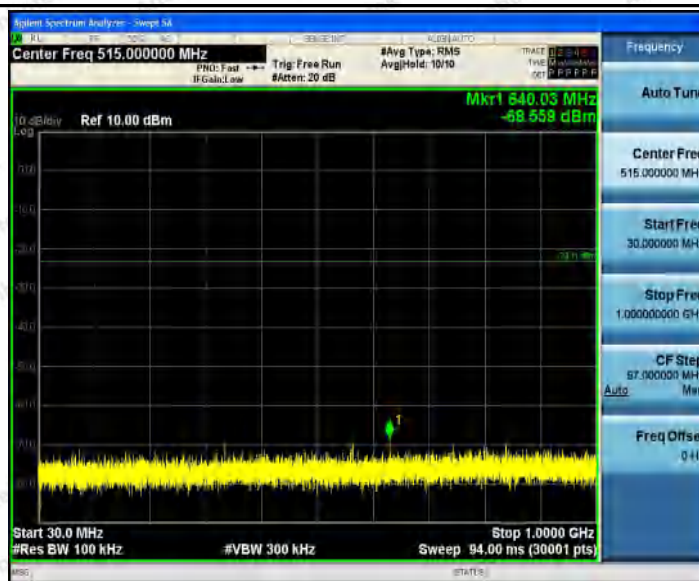
11N20_Ant1_2437_30~1000

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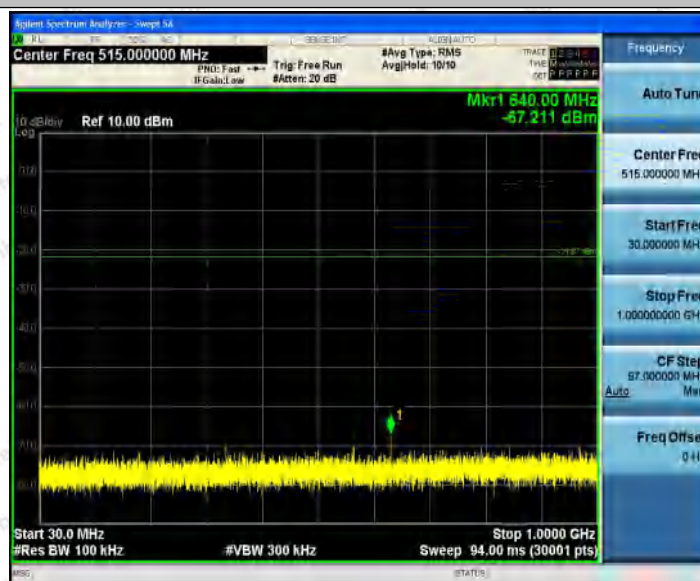
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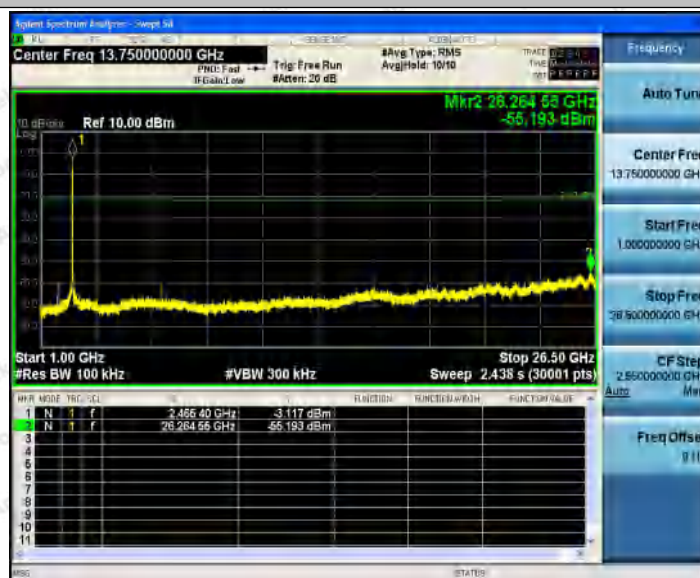
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11N20_Ant1_2462_30~1000



11N20_Ant1_2462_1000~26500



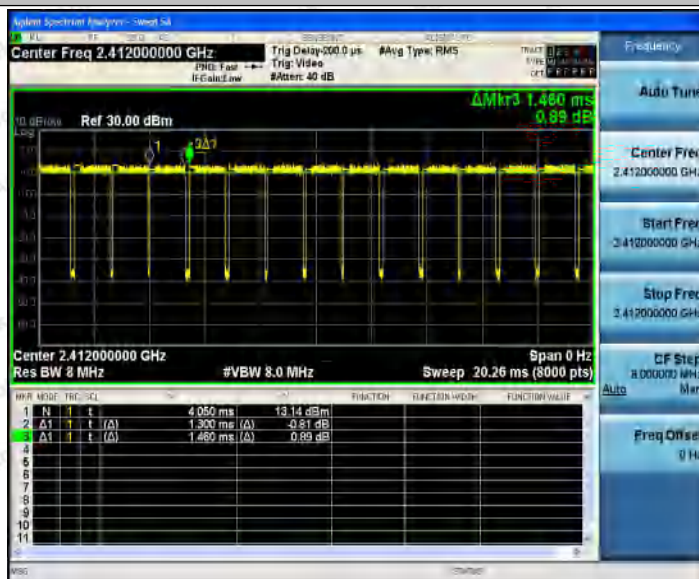
Appendix G: Duty Cycle

Test Result

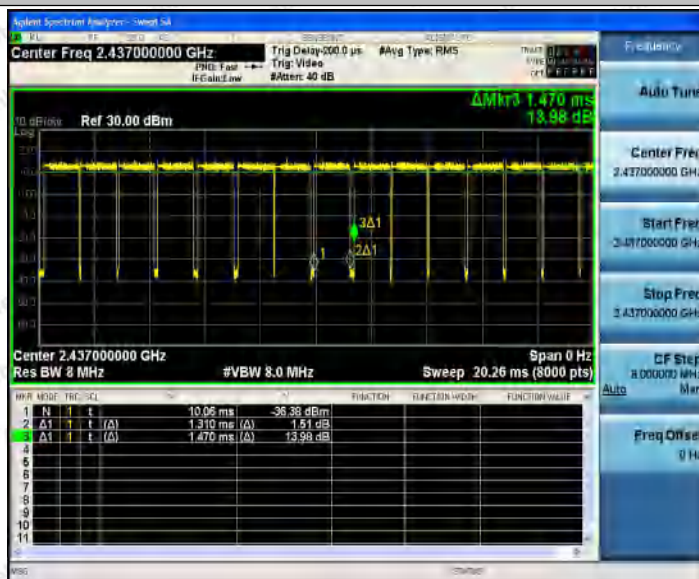
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	1.30	1.46	89.04	---	PASS
		2437	1.31	1.47	89.12	---	PASS
		2462	1.30	1.47	88.44	---	PASS
11G	Ant1	2412	0.25	0.48	52.08	---	PASS
		2437	0.25	0.42	59.52	---	PASS
		2462	0.24	0.49	48.98	---	PASS
11N20	Ant1	2412	0.23	0.39	58.97	---	PASS
		2437	0.23	0.39	58.97	---	PASS
		2462	0.22	0.48	45.83	---	PASS

Test Graphs

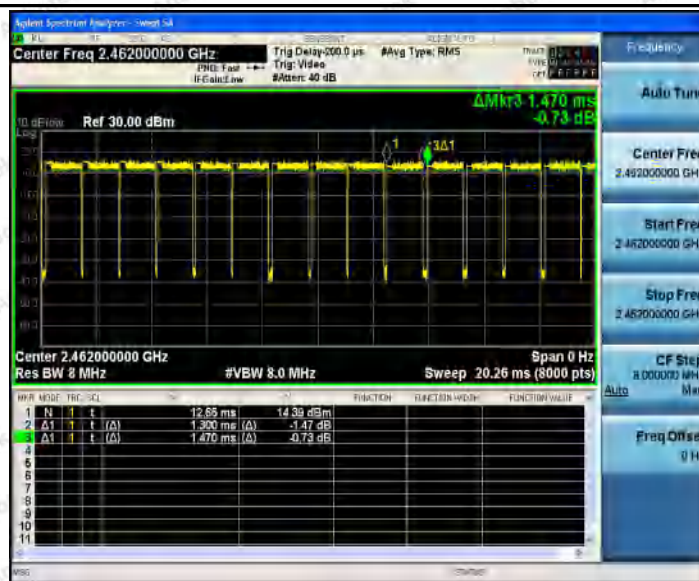
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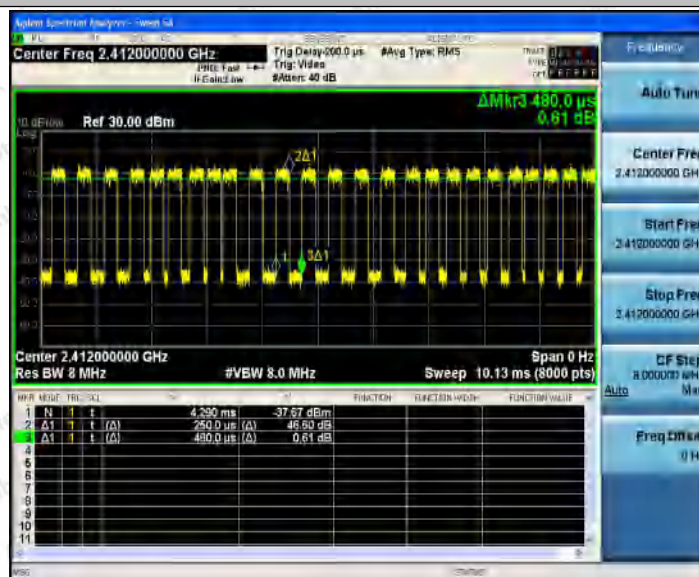
11B_Ant1_2437



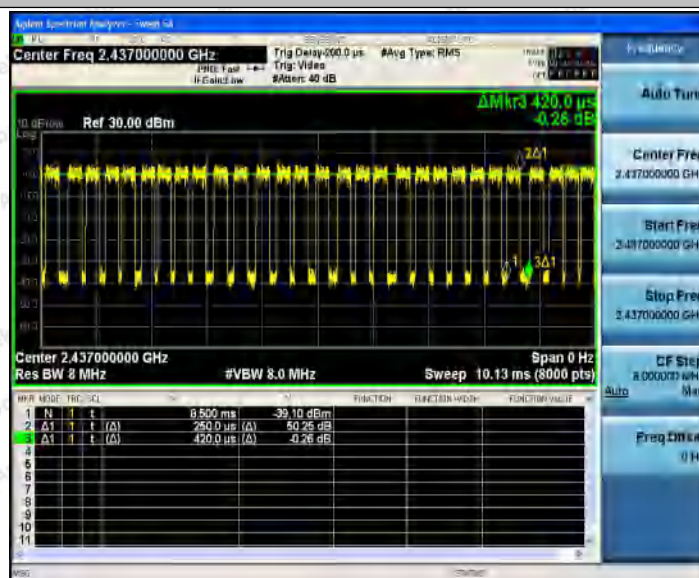
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



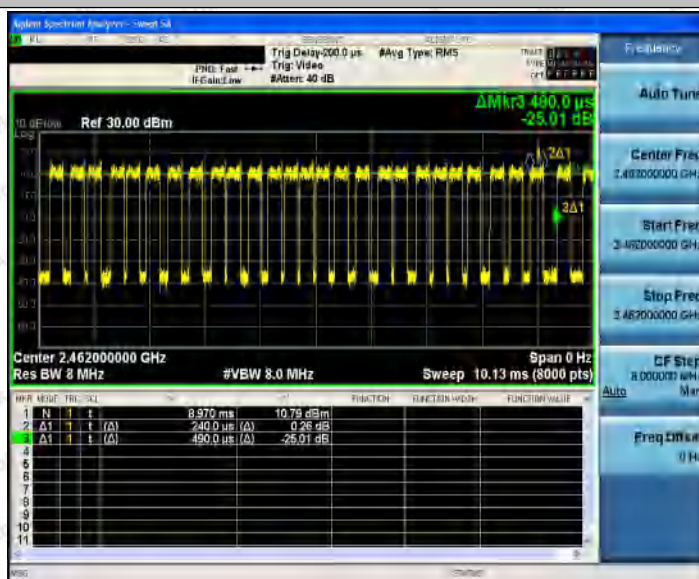
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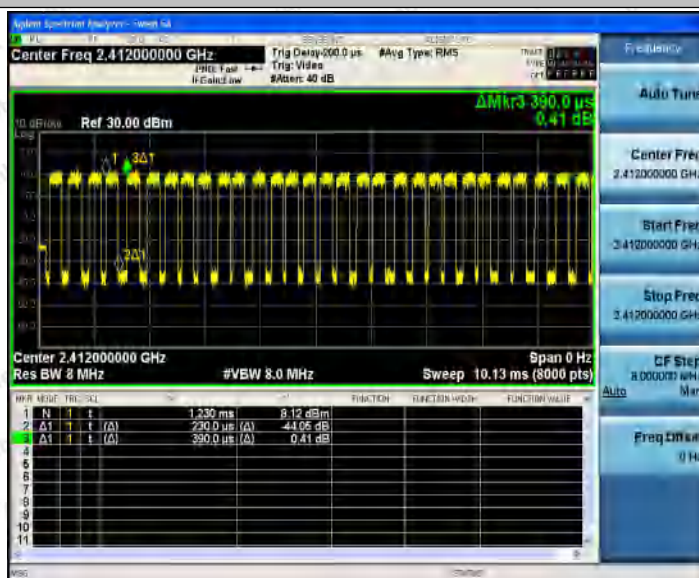
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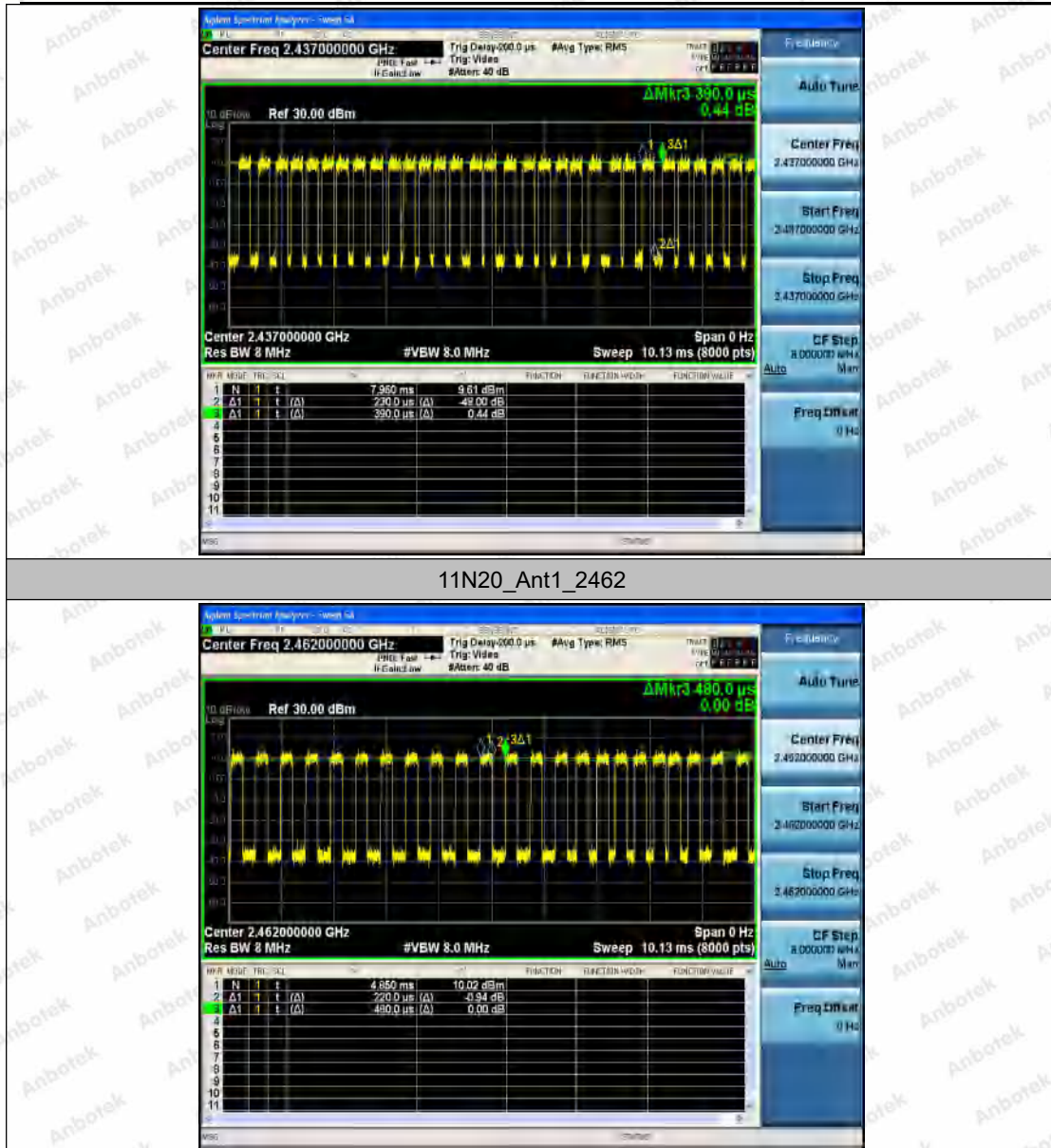
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11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462

---End---