

Appendix Test Data

Report No.:	18220WC20066902	Test Sample No.:	1-2-2
Start Test Date:	2022.4.1	Finish Test Date:	2022.4.7
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	55.7 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20	Ant1	2412	17.040	2403.120	2420.160	≥0.5	PASS
		2437	15.600	2429.000	2444.600	≥0.5	PASS
		2462	16.400	2454.360	2470.760	≥0.5	PASS

Test Graphs

11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462

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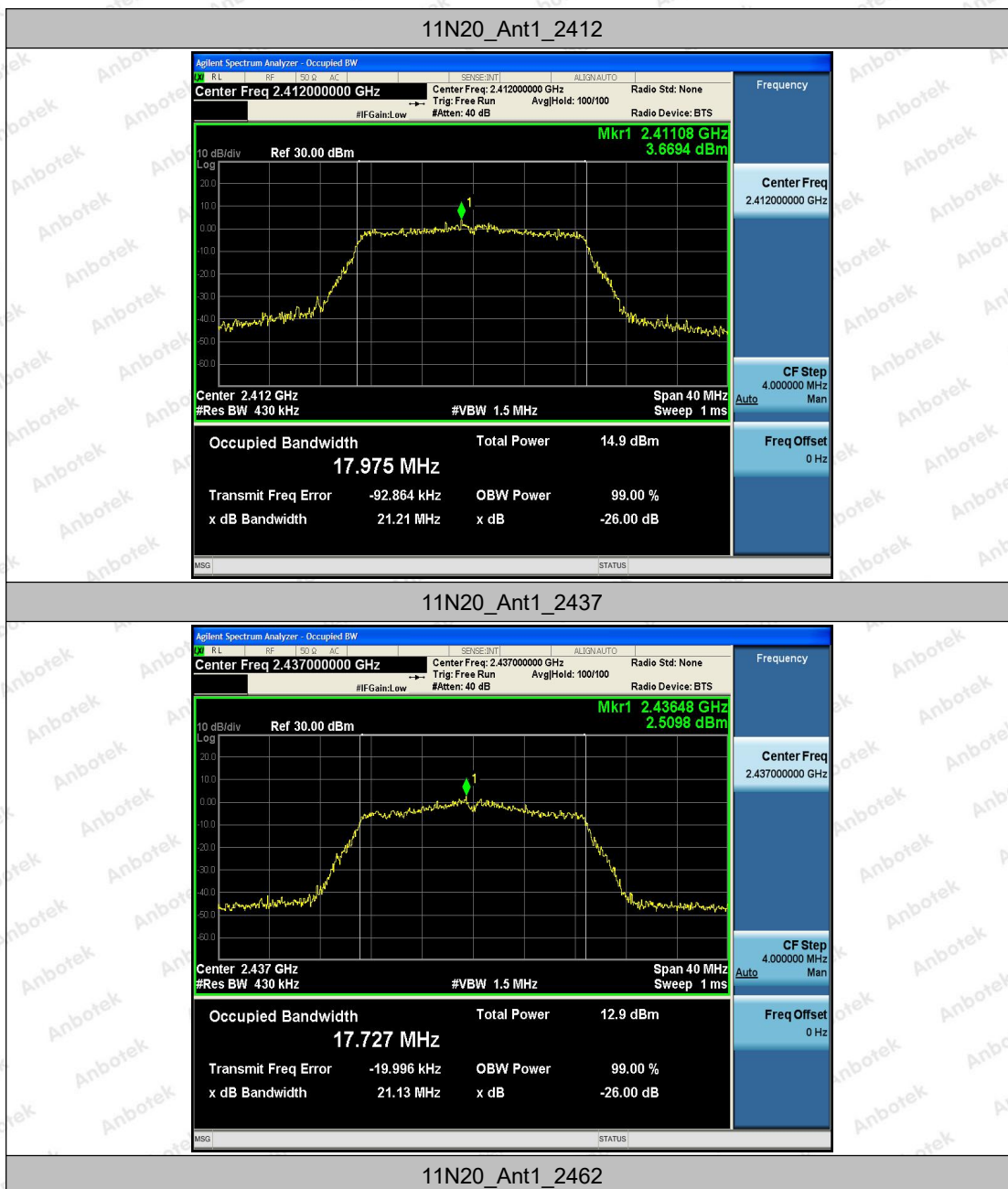
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20	Ant1	2412	17.975	2402.920	2420.895	---	PASS
		2437	17.727	2428.117	2445.844	---	PASS
		2462	17.949	2453.084	2471.033	---	PASS

Test Graphs

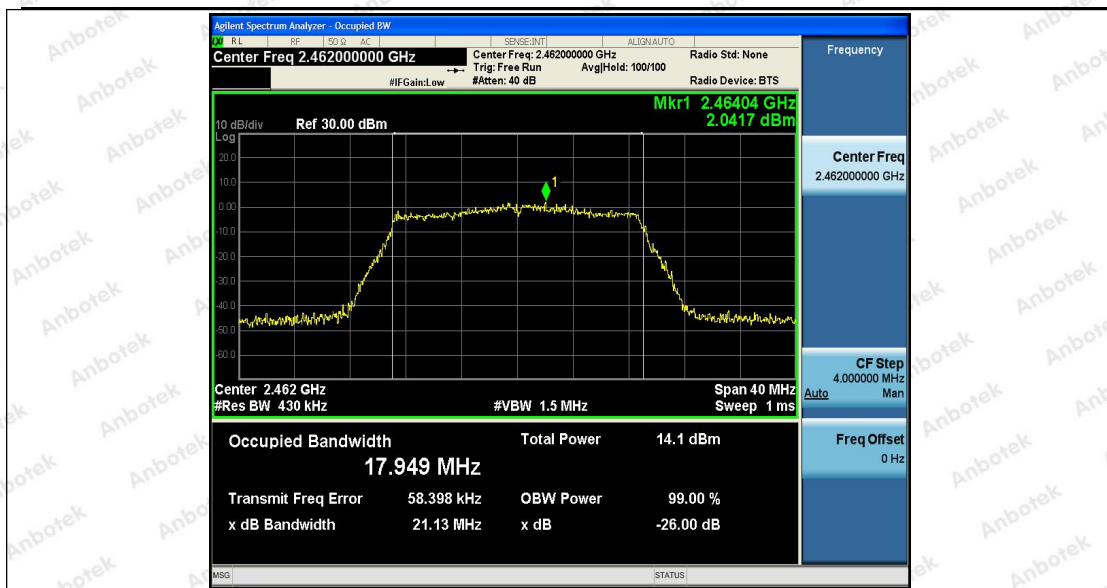


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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20	Ant1	2412	15.58	≤28.45	PASS
		2437	13.54	≤28.45	PASS
		2462	15.00	≤28.45	PASS

Note: Limit[dBm]=30dBm-(7.55dBi-6dB)=28.45dBm

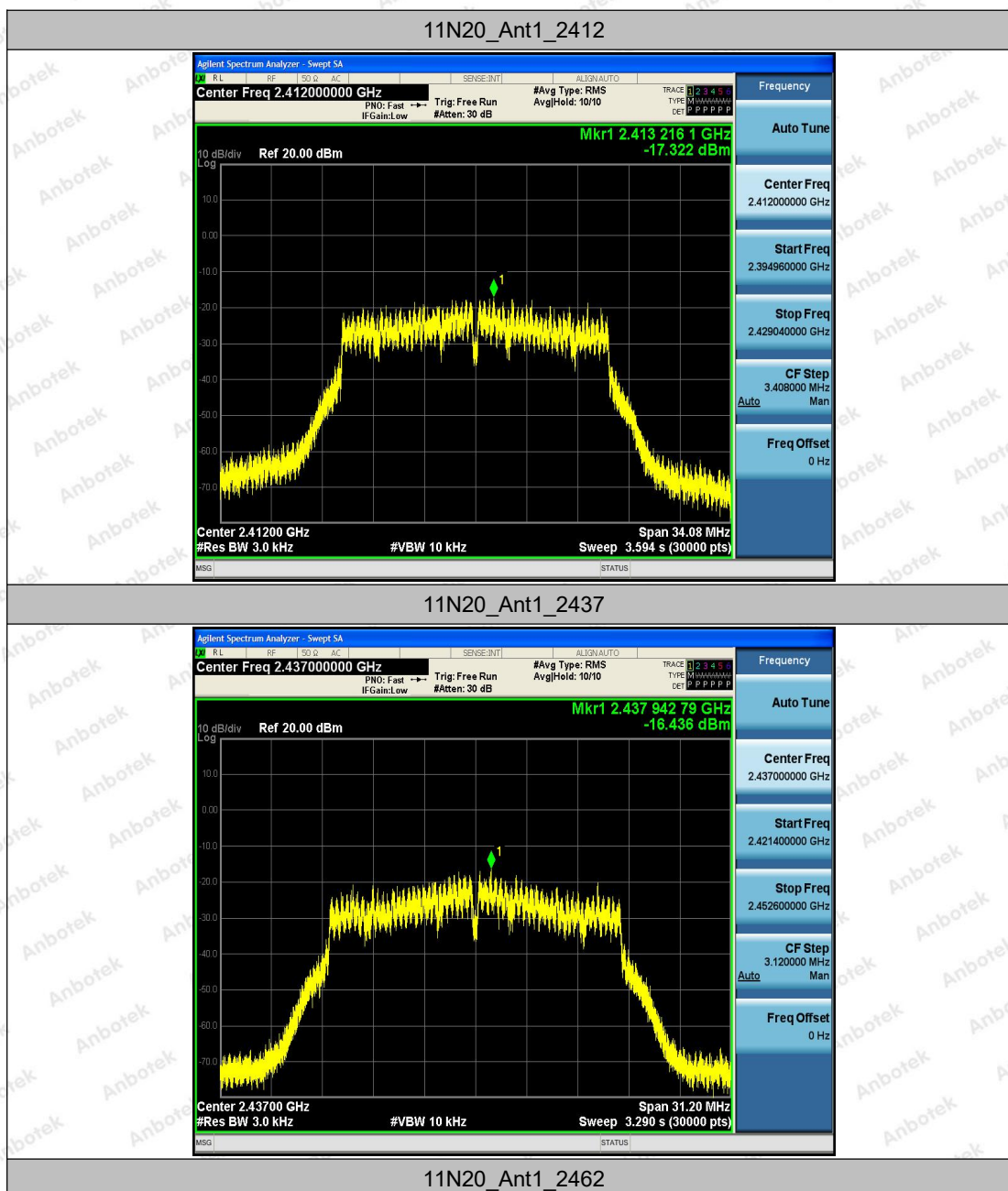
Appendix D: Maximum power spectral density

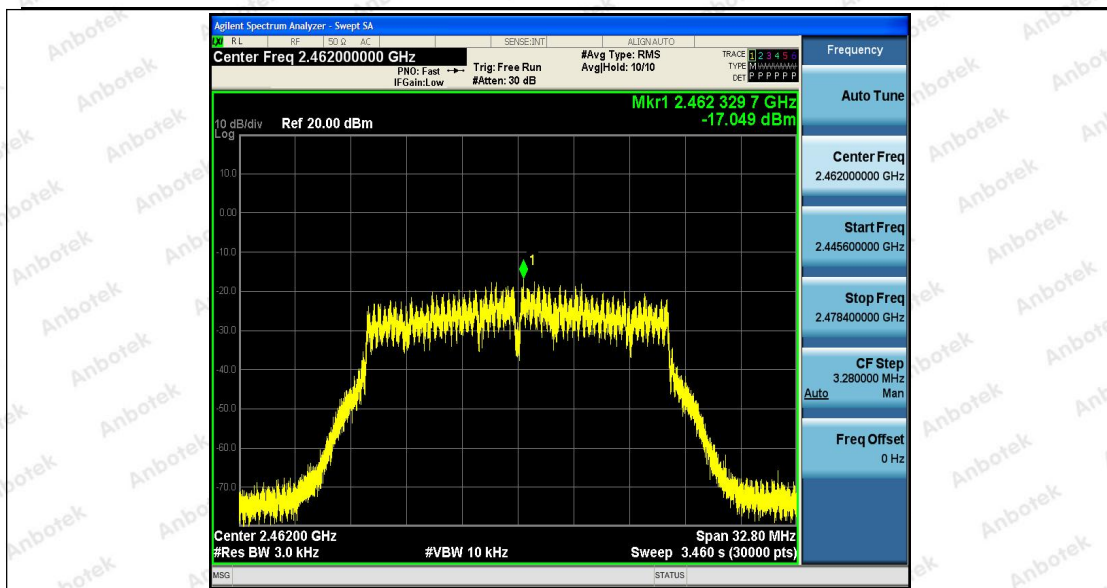
Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20	Ant1	2412	-17.32	≤6.45	PASS
		2437	-16.44	≤6.45	PASS
		2462	-17.05	≤6.45	PASS

Note: Limit[dBm/3KHz]=8[dBm/3KHz]-(Gain7.55dBi-6dB)=8-1.55=6.45[dBm/3KHz]

Test Graphs





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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
11N20	Ant1	Low	2412	-2.78	-39.24	≤ -22.78	PASS
		High	2462	-3.15	-53.22	≤ -23.15	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

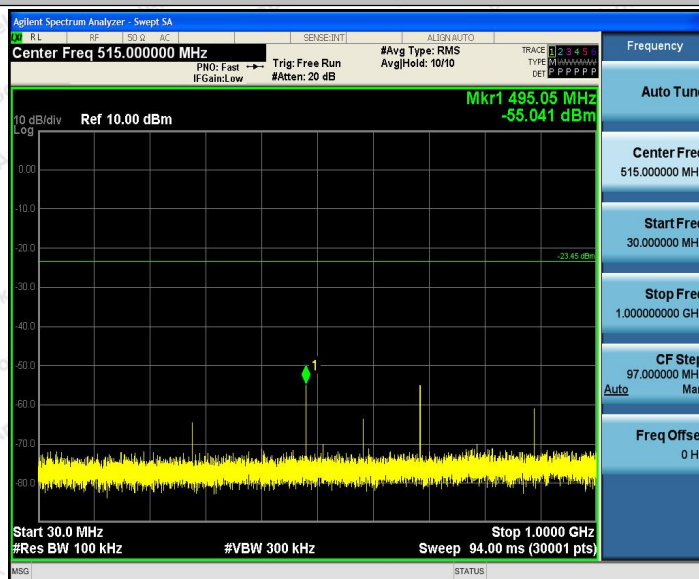
Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N20	Ant1	2412	Reference	-3.45	-3.45	---	PASS
			30~1000	-3.45	-55.04	≤-23.45	PASS
			1000~26500	-3.45	-54.63	≤-23.45	PASS
		2437	Reference	-2.89	-2.89	---	PASS
			30~1000	-2.89	-54.97	≤-22.89	PASS
			1000~26500	-2.89	-55.56	≤-22.89	PASS
		2462	Reference	-4.01	-4.01	---	PASS
			30~1000	-4.01	-54.84	≤-24.01	PASS
			1000~26500	-4.01	-54.19	≤-24.01	PASS

Test Graphs

11N20_Ant1_2412_0~Reference



11N20_Ant1_2412_30~1000



11N20_Ant1_2412_1000~26500

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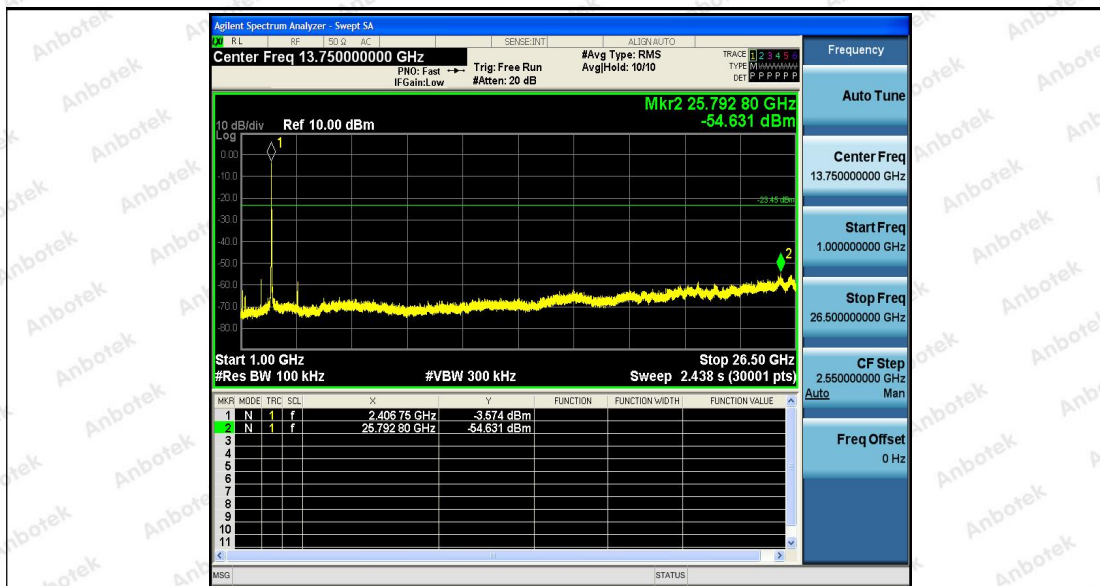
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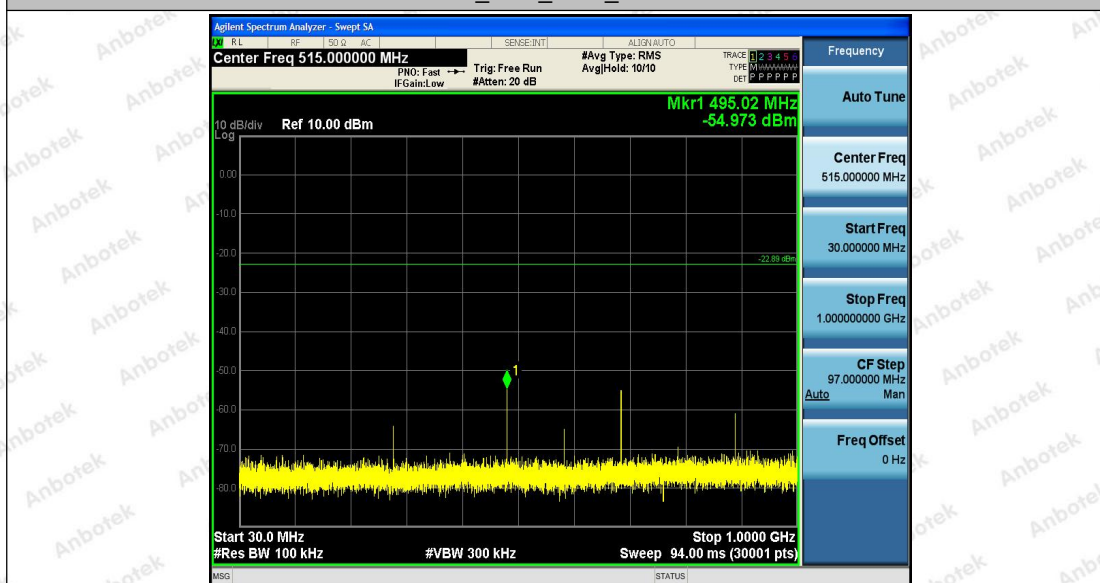
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11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000



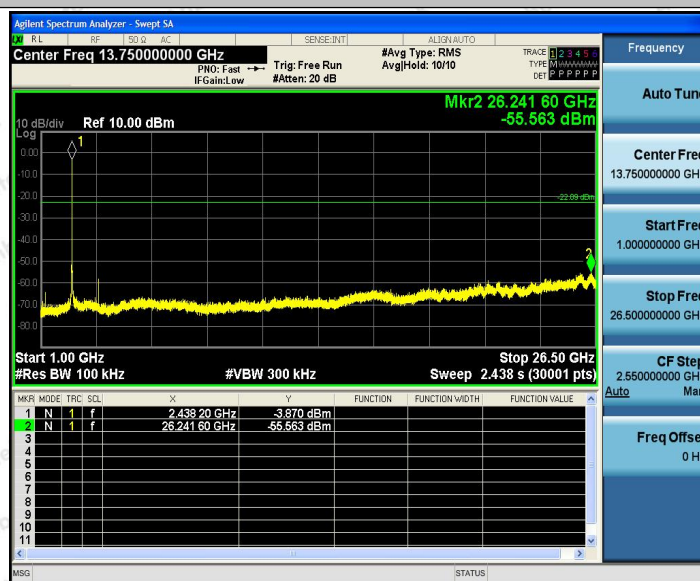
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11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference



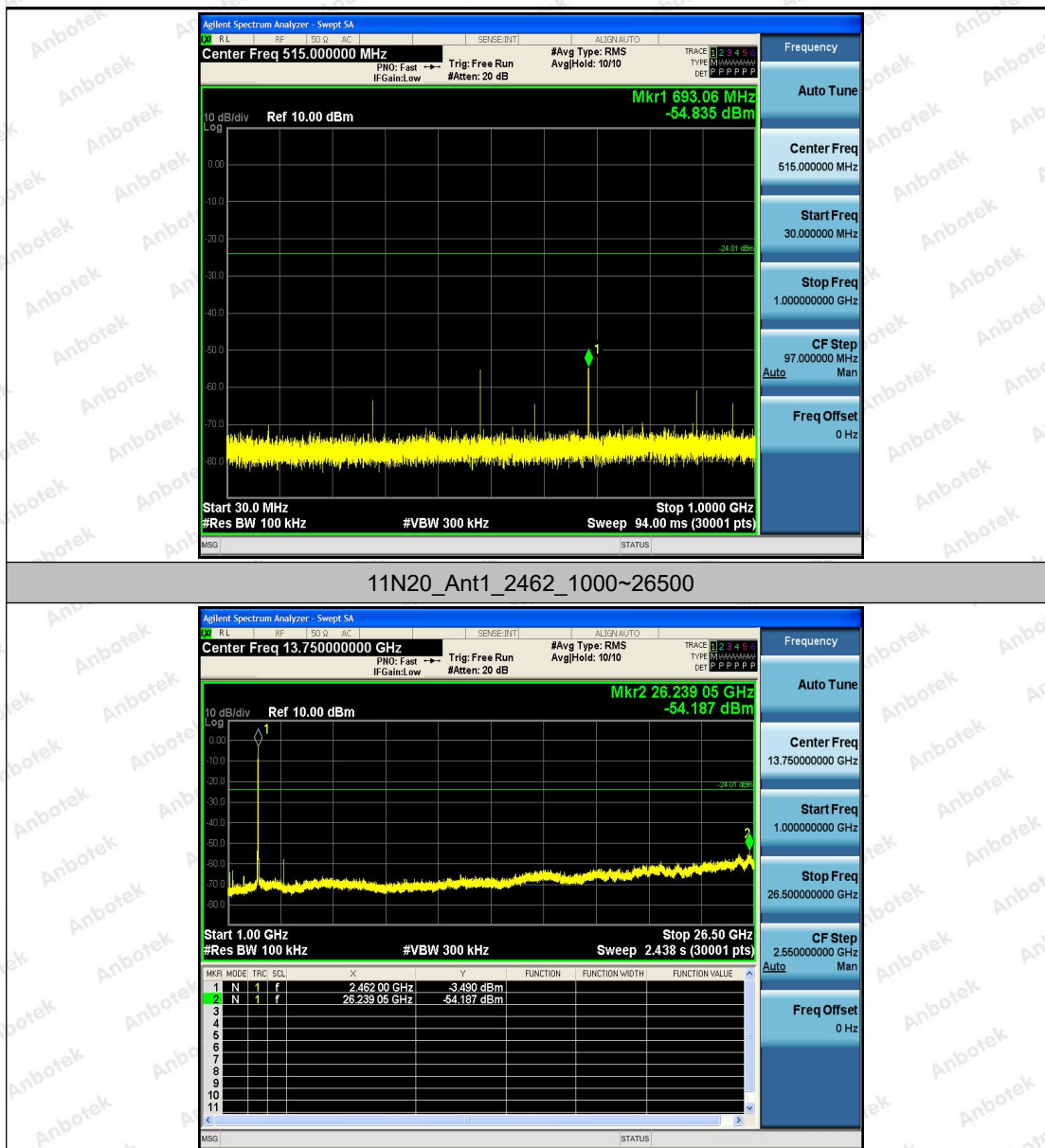
11N20_Ant1_2462_30~1000

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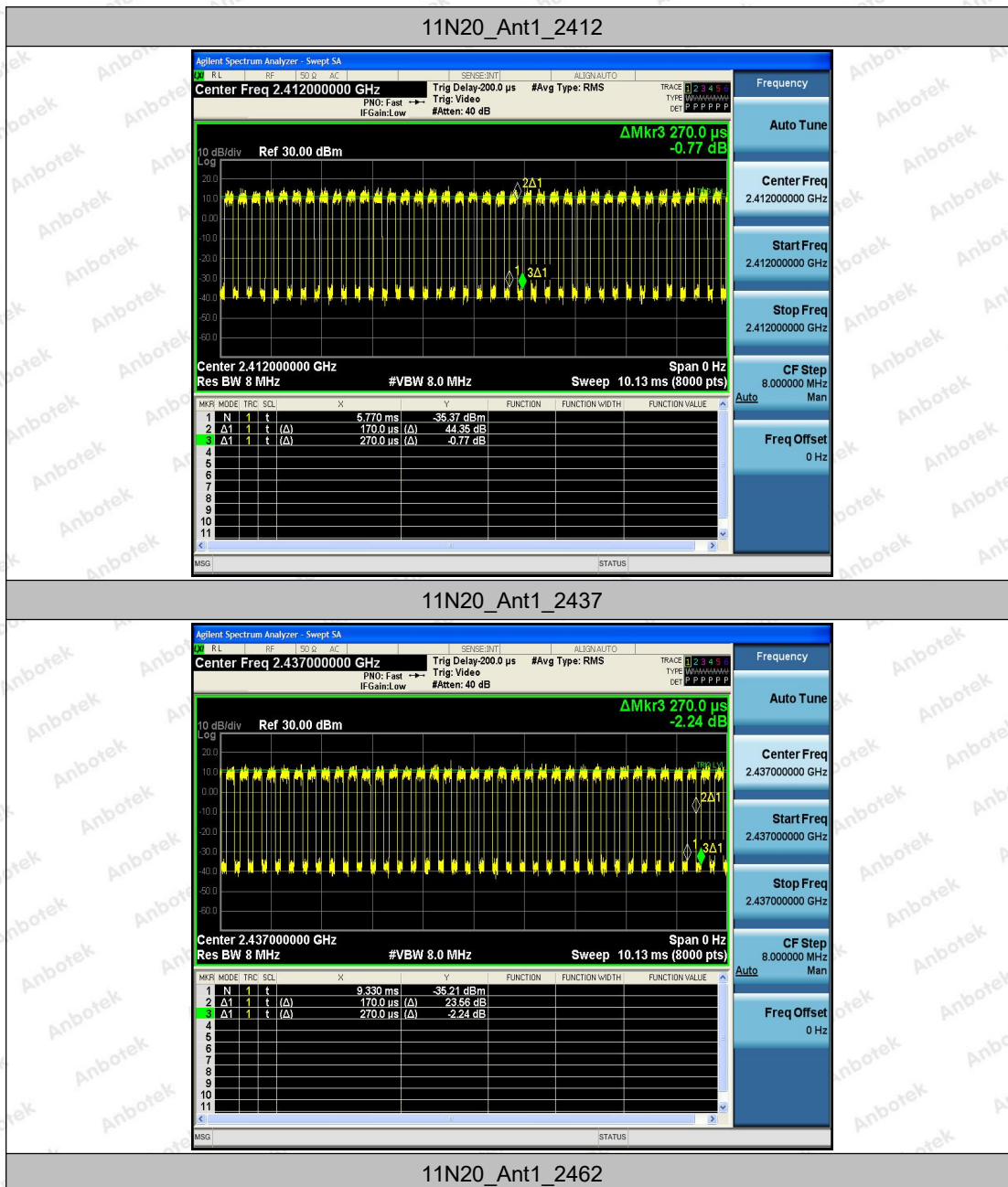
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11N20	Ant1	2412	0.17	0.27	62.96	---	PASS
		2437	0.17	0.27	62.96	---	PASS
		2462	0.17	0.28	60.71	---	PASS

Test Graphs



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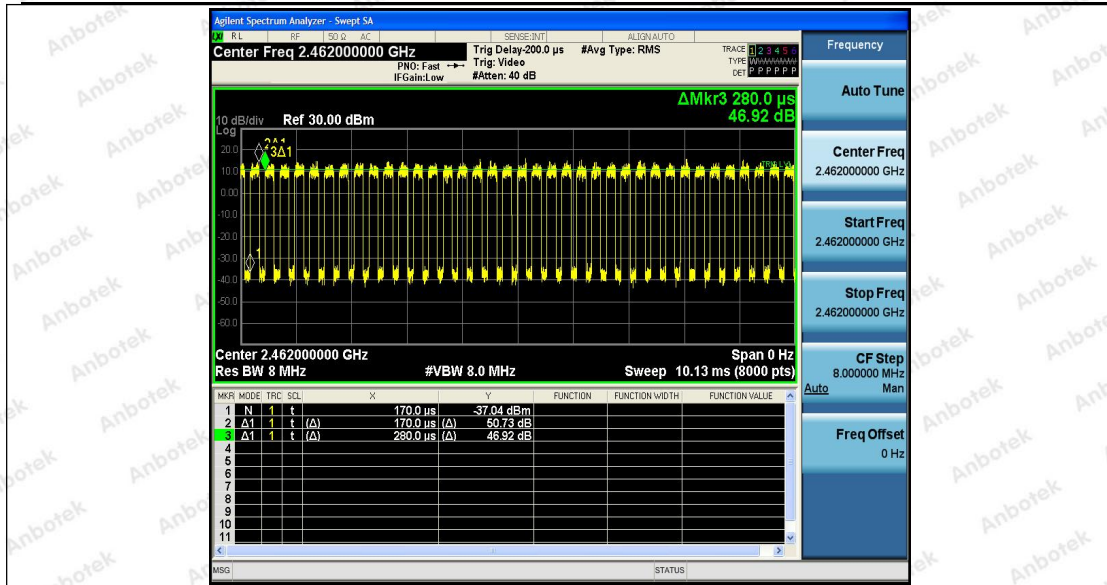
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