

Appendix Test Data

Report No.:	18220WC20180001	Test Sample No.:	1-2-2
Start Test Date:	2022.8.9	Finish Test Date:	2022.8.19
Test Engineer:	<i>Jonny He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	26.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	≥0.5	PASS
	Ant2	2412	9.040	2407.480	2416.520	≥0.5	PASS
	Ant1	2437	8.600	2432.960	2441.560	≥0.5	PASS
	Ant2	2437	9.120	2432.440	2441.560	≥0.5	PASS
	Ant1	2462	8.520	2457.480	2466.000	≥0.5	PASS
	Ant2	2462	9.560	2457.000	2466.560	≥0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

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11B_Ant2_2437



11B_Ant1_2462





11B_Ant2_2462



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Appendix B: Occupied Channel Bandwidth

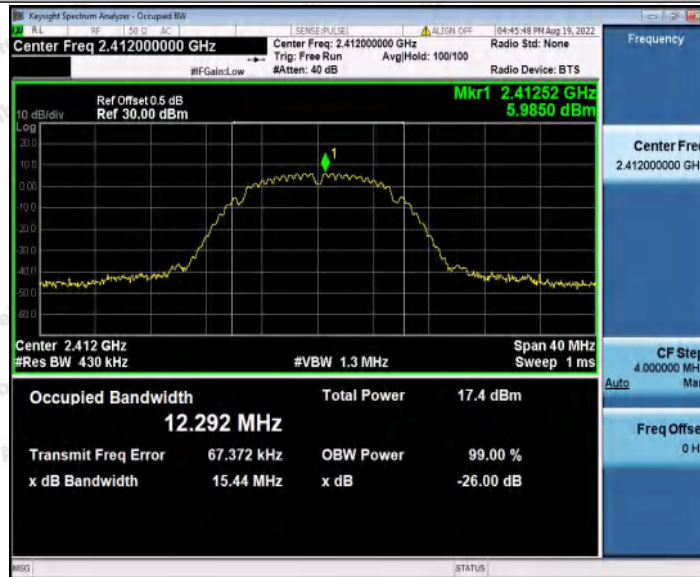
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.292	2405.9214	2418.2134	---	---
	Ant2	2412	12.279	2405.9257	2418.2047	---	---
	Ant1	2437	12.301	2430.8684	2443.1694	---	---
	Ant2	2437	12.310	2430.8621	2443.1721	---	---
	Ant1	2462	12.347	2455.8282	2468.1752	---	---
	Ant2	2462	12.359	2455.8210	2468.1800	---	---



Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

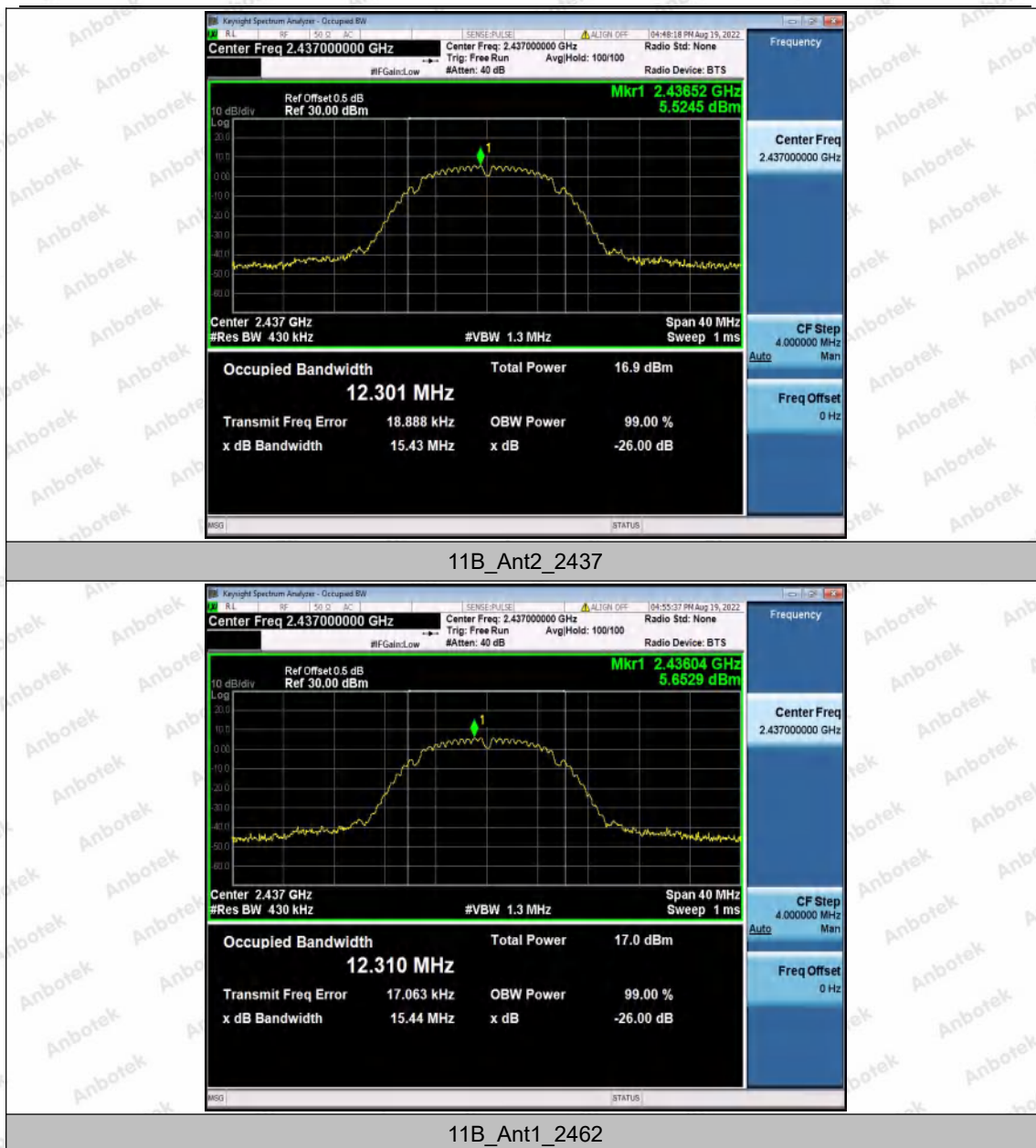
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11B_Ant2_2462



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequen cy[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	17.39	≤30.00	PASS
	Ant2	2412	---	17.10	≤30.00	PASS
	Ant1	2437	---	16.91	≤30.00	PASS
	Ant2	2437	---	17.05	≤30.00	PASS
	Ant1	2462	---	17.08	≤30.00	PASS
	Ant2	2462	---	17.28	≤30.00	PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.93	≤8.00	PASS
	Ant2	2412	-7.53	≤8.00	PASS
	Ant1	2437	-8.74	≤8.00	PASS
	Ant2	2437	-7.4	≤8.00	PASS
	Ant1	2462	-8.52	≤8.00	PASS
	Ant2	2462	-8.6	≤8.00	PASS



Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

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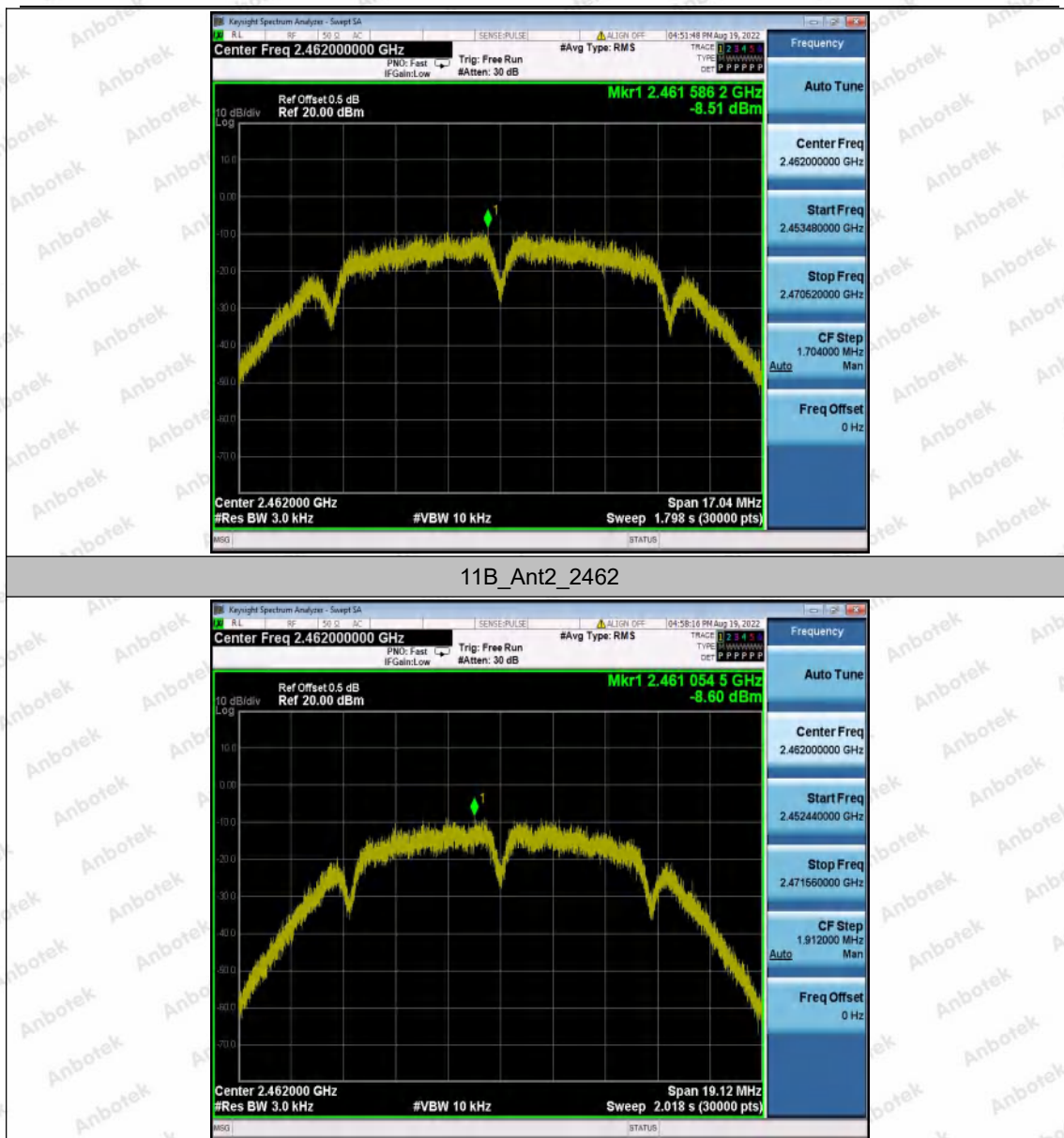


11B_Ant2_2437



11B_Ant1_2462





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Appendix E: Band edge measurements

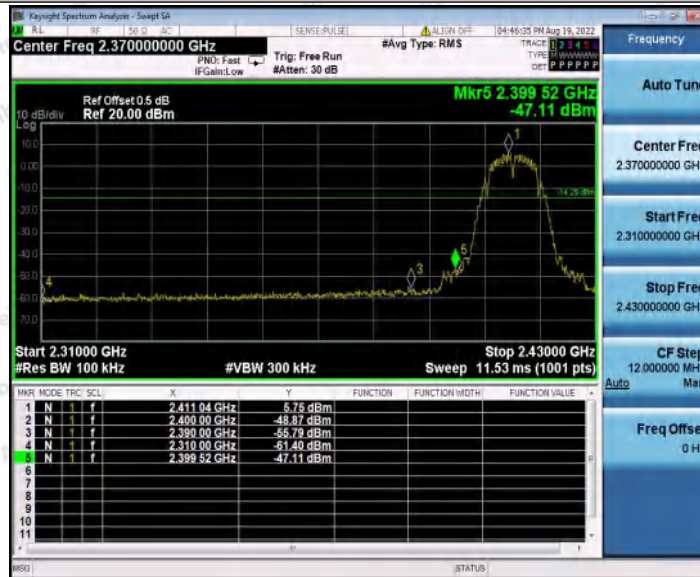
Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
11B	Ant1	Low	2412	5.75	-47.11	≤-14.25	PASS
	Ant2	Low	2412	5.53	-48.27	≤-14.47	PASS
	Ant1	High	2462	5.56	-53.15	≤-14.44	PASS
	Ant2	High	2462	5.81	-54.44	≤-14.19	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462

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11B_Ant2_High_2462



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.71	5.71	---	PASS
			30~1000	5.71	-69.29	≤-14.29	PASS
			1000~26500	5.71	-53.36	≤-14.29	PASS
	Ant2	2412	Reference	5.56	5.56	---	PASS
			30~1000	5.56	-68.69	≤-14.44	PASS
			1000~26500	5.56	-53.8	≤-14.44	PASS
	Ant1	2437	Reference	5.58	5.58	---	PASS
			30~1000	5.58	-69.28	≤-14.42	PASS
			1000~26500	5.58	-53.78	≤-14.42	PASS
	Ant2	2437	Reference	5.57	5.57	---	PASS
			30~1000	5.57	-69.27	≤-14.43	PASS
			1000~26500	5.57	-54.46	≤-14.43	PASS
	Ant1	2462	Reference	5.67	5.67	---	PASS
			30~1000	5.67	-69.2	≤-14.33	PASS
			1000~26500	5.67	-54.03	≤-14.33	PASS
	Ant2	2462	Reference	5.83	5.83	---	PASS
			30~1000	5.83	-69.3	≤-14.17	PASS
			1000~26500	5.83	-53.78	≤-14.17	PASS

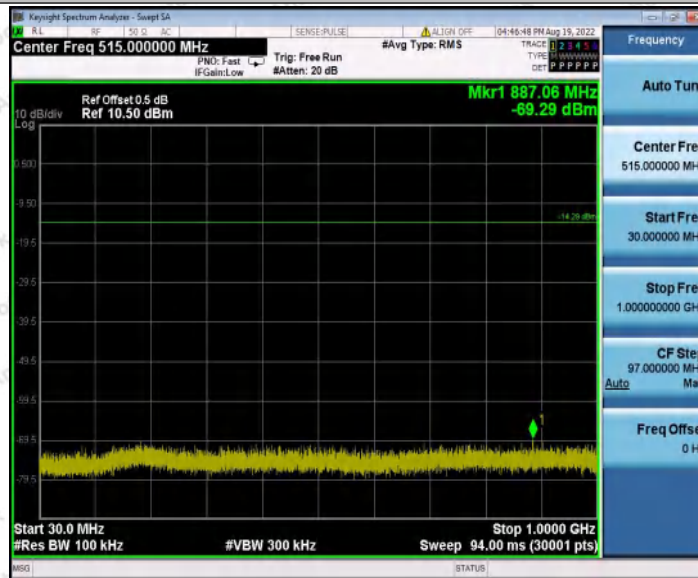


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

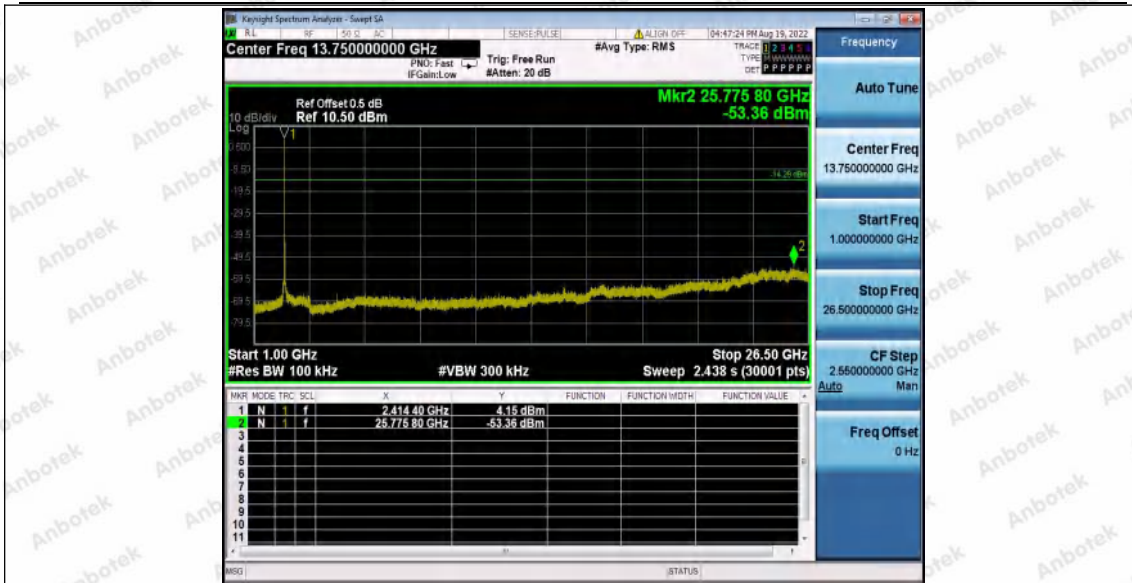
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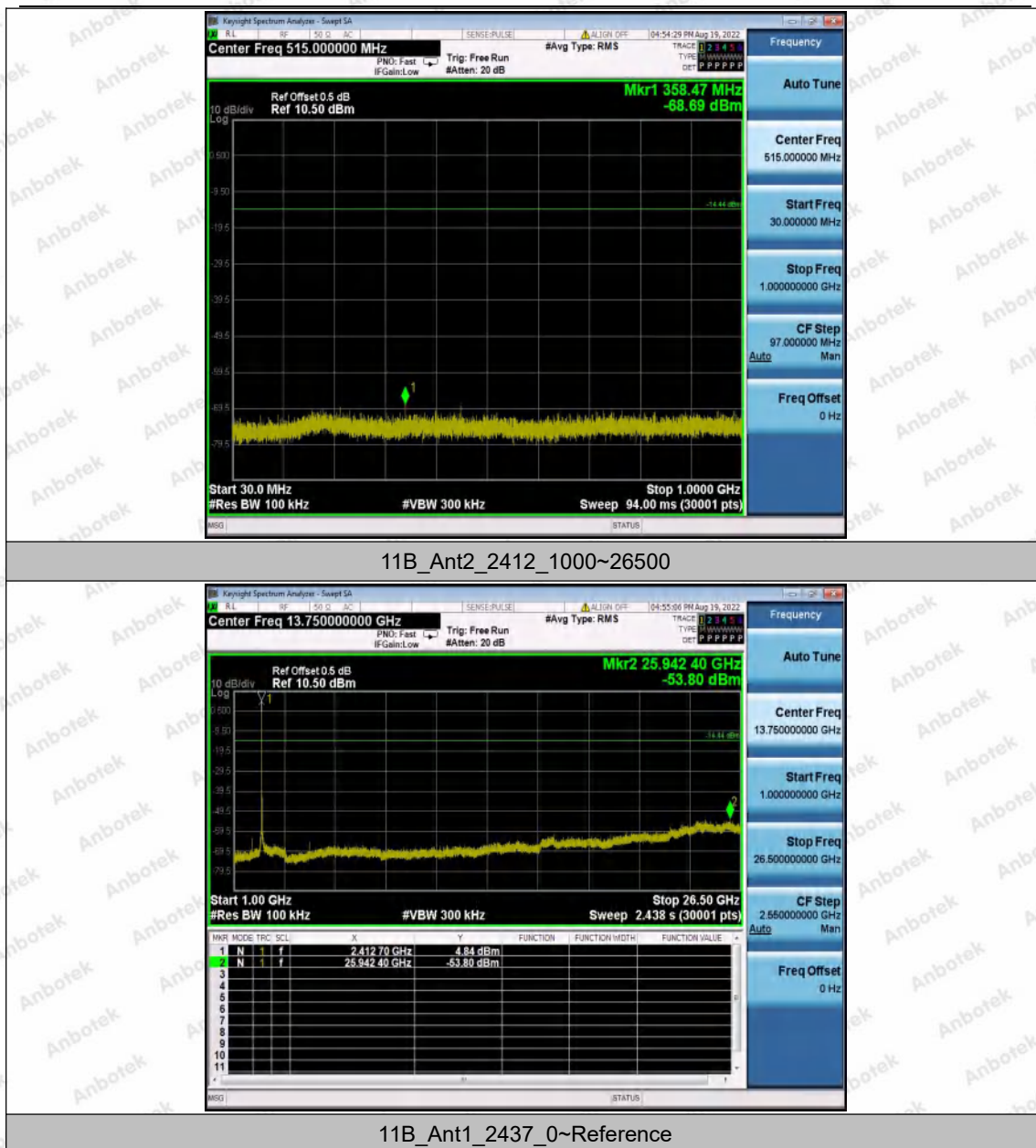


11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



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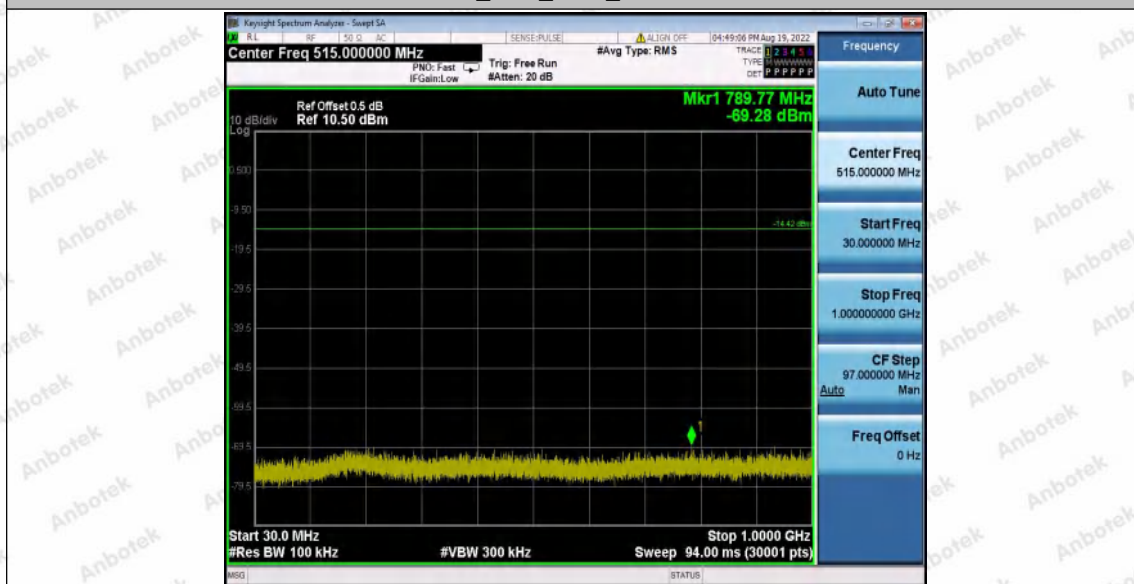


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11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500

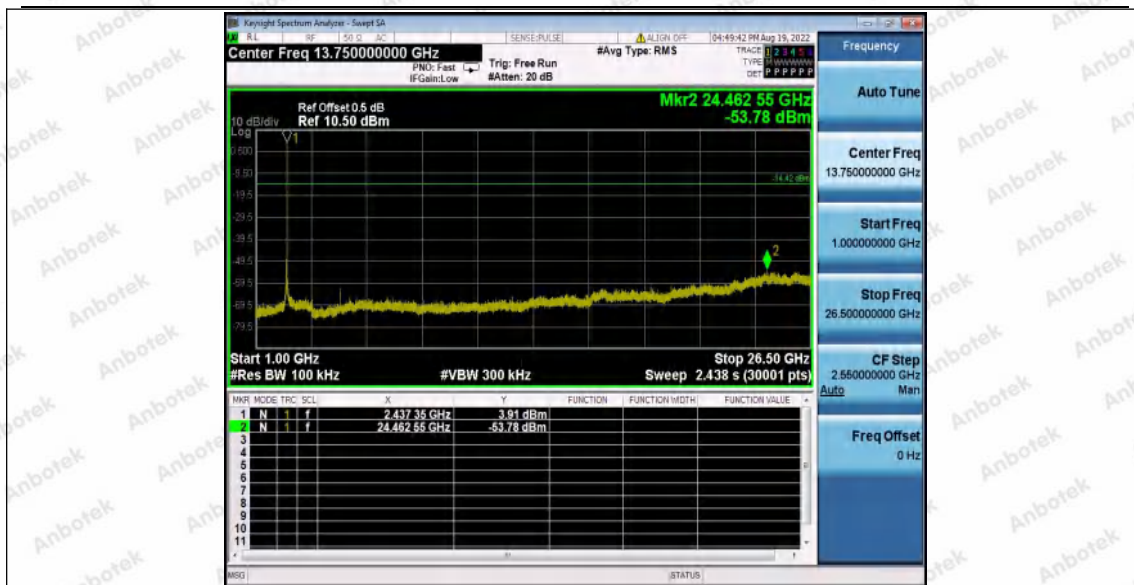
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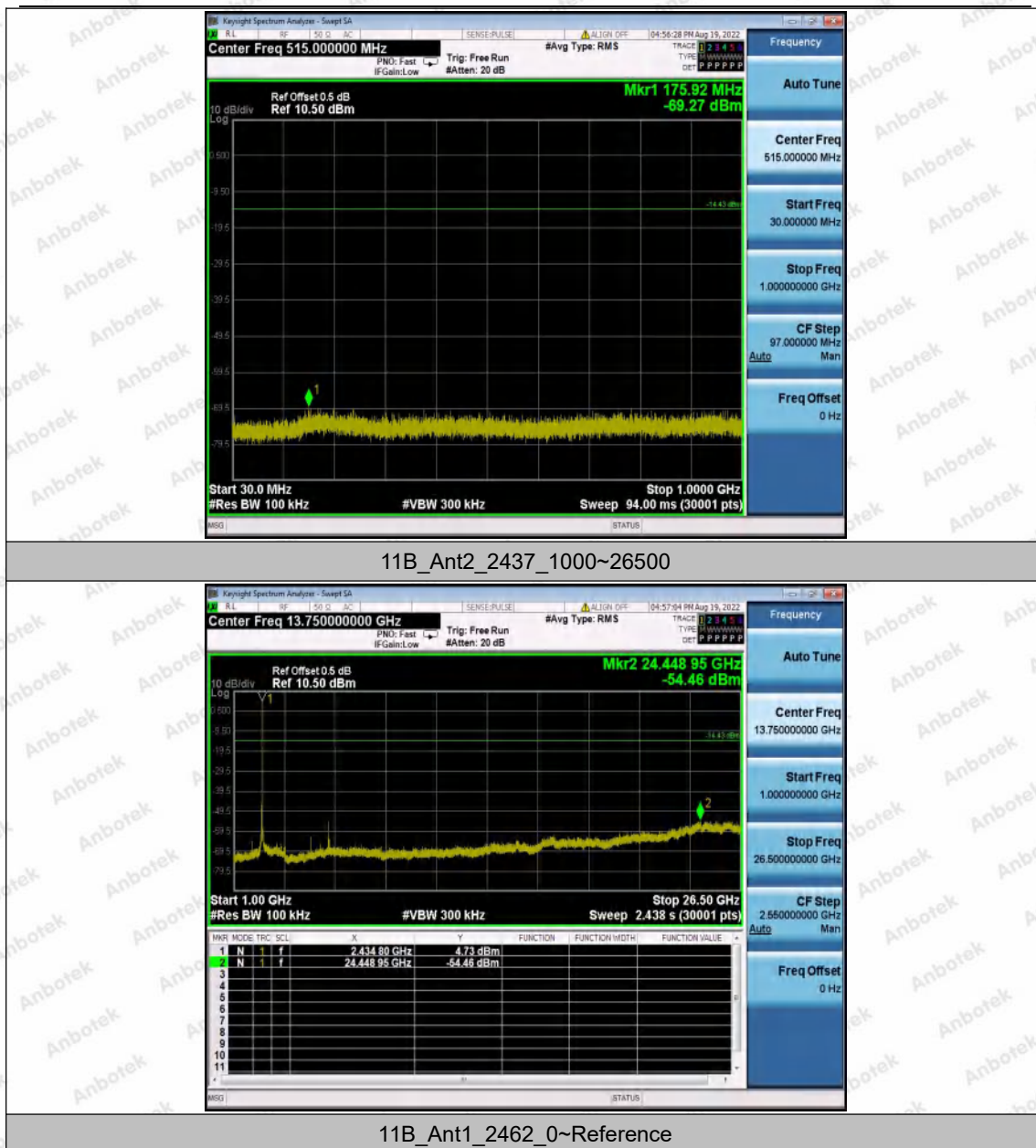


11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



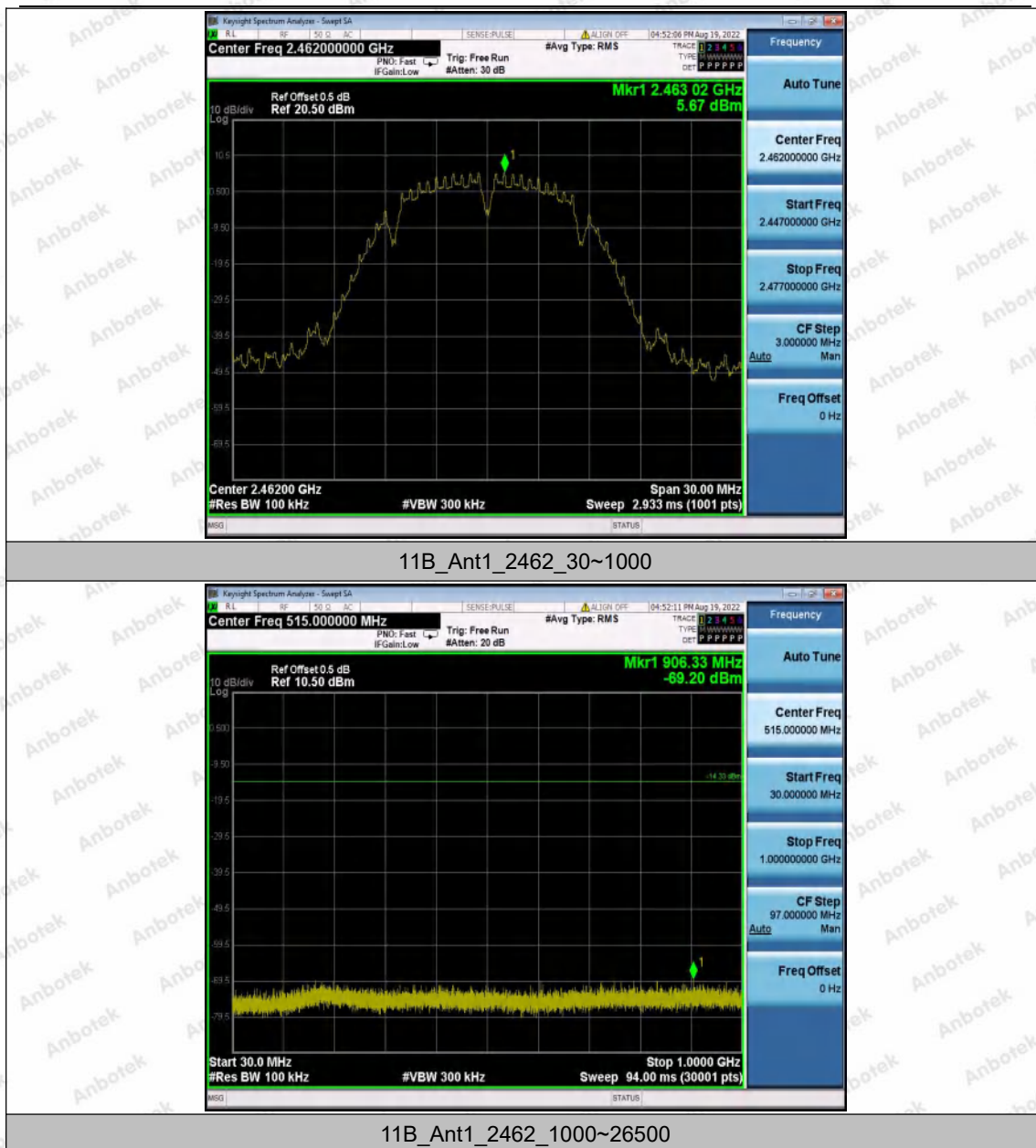
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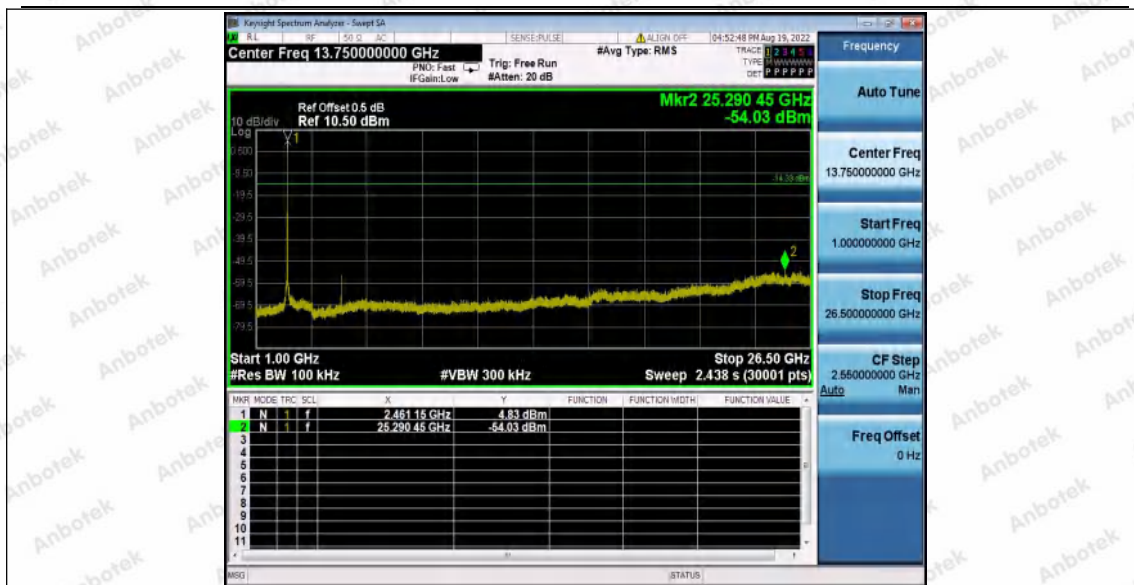
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11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000

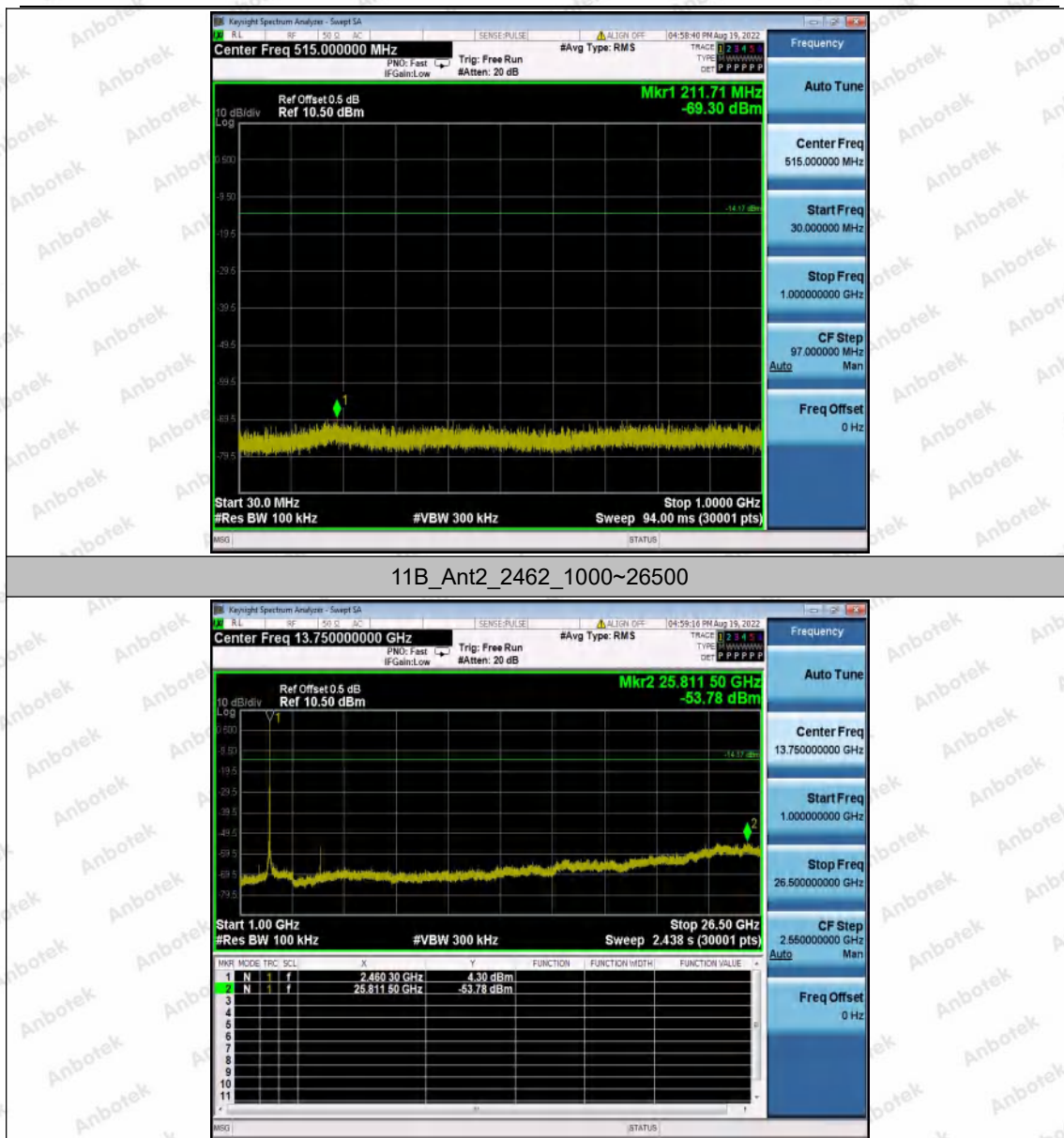
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Appendix G: Duty Cycle

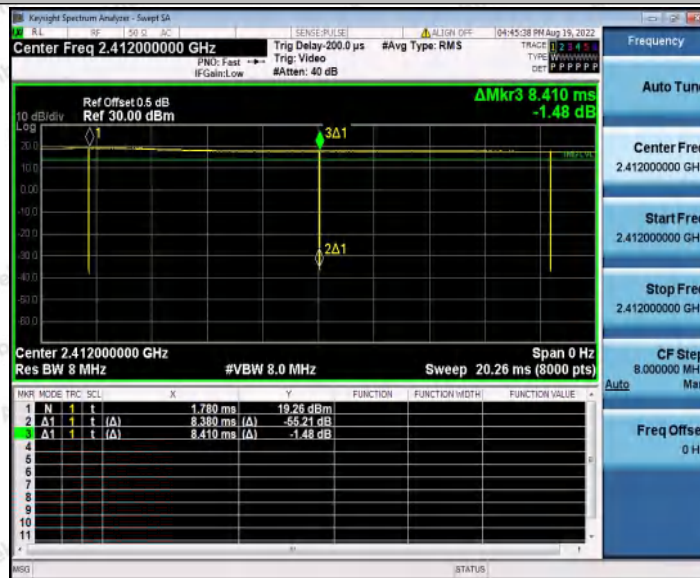
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
	Ant2	2412	8.38	8.41	99.64	0.02
	Ant1	2437	8.39	8.41	99.76	0.01
	Ant2	2437	8.38	8.41	99.64	0.02
	Ant1	2462	8.39	8.42	99.64	0.02
	Ant2	2462	8.38	8.41	99.64	0.02

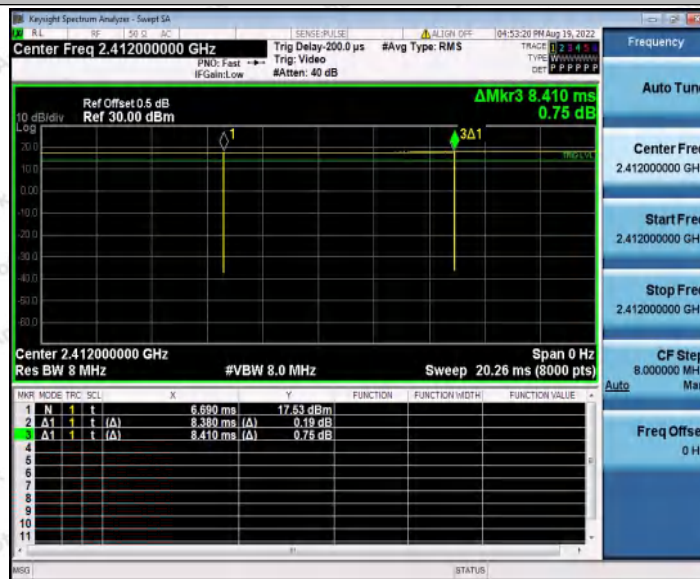


Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437

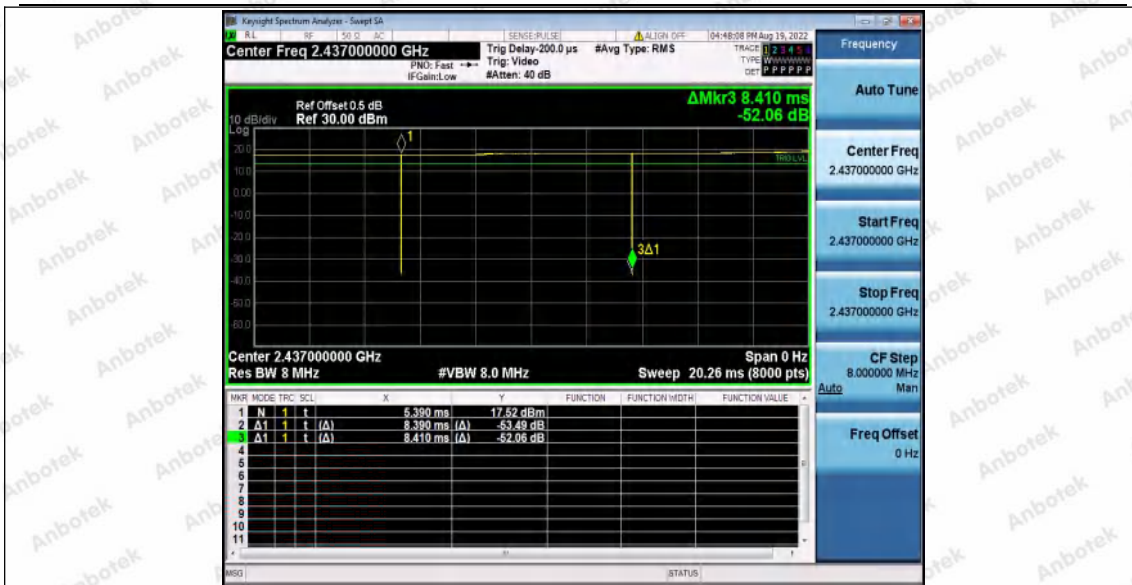
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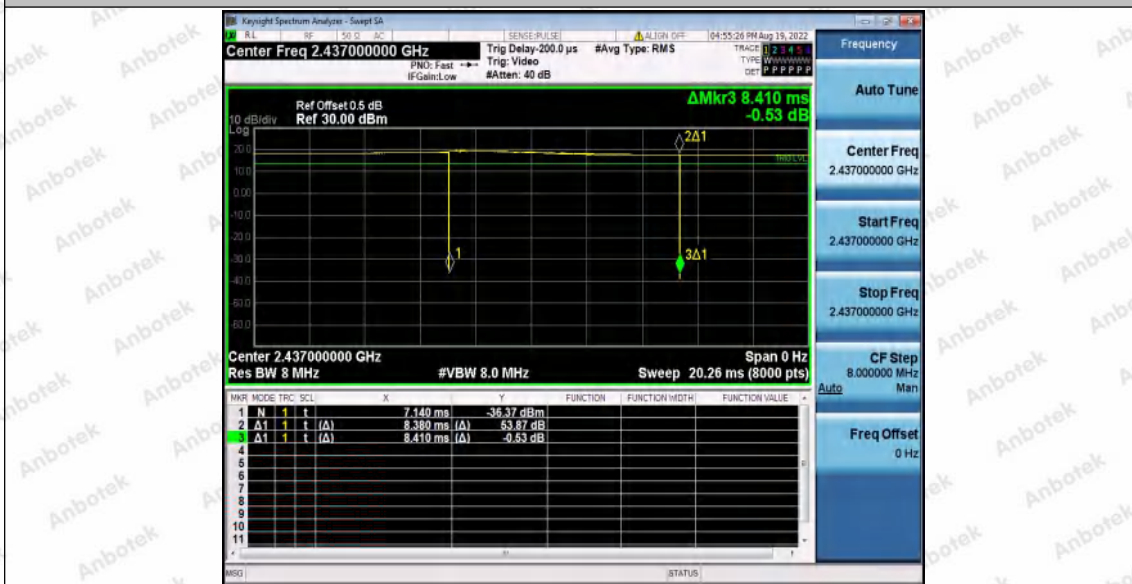


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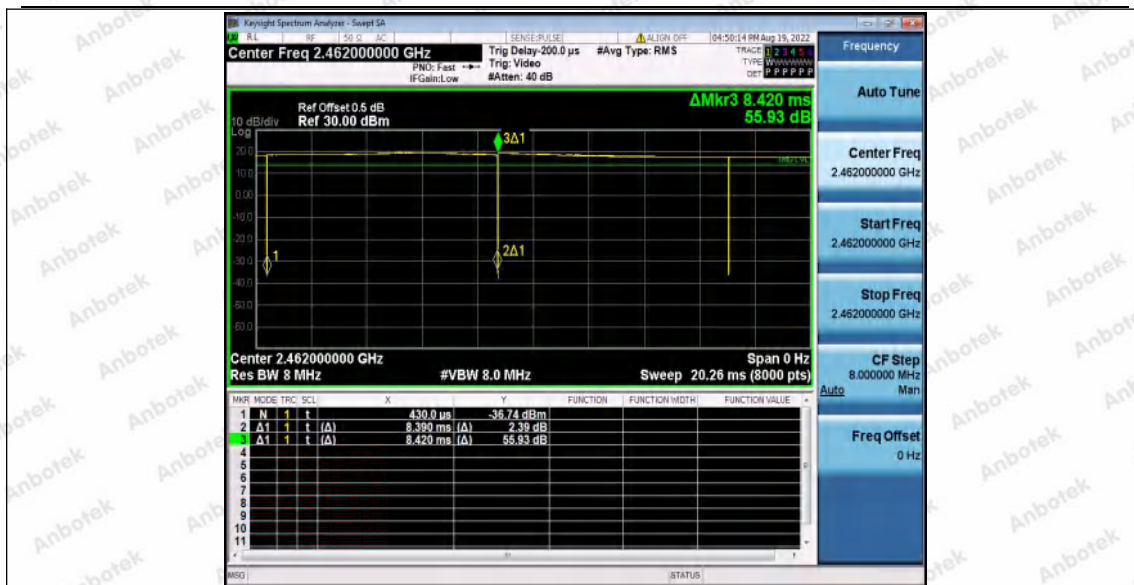


11B_Ant2_2437

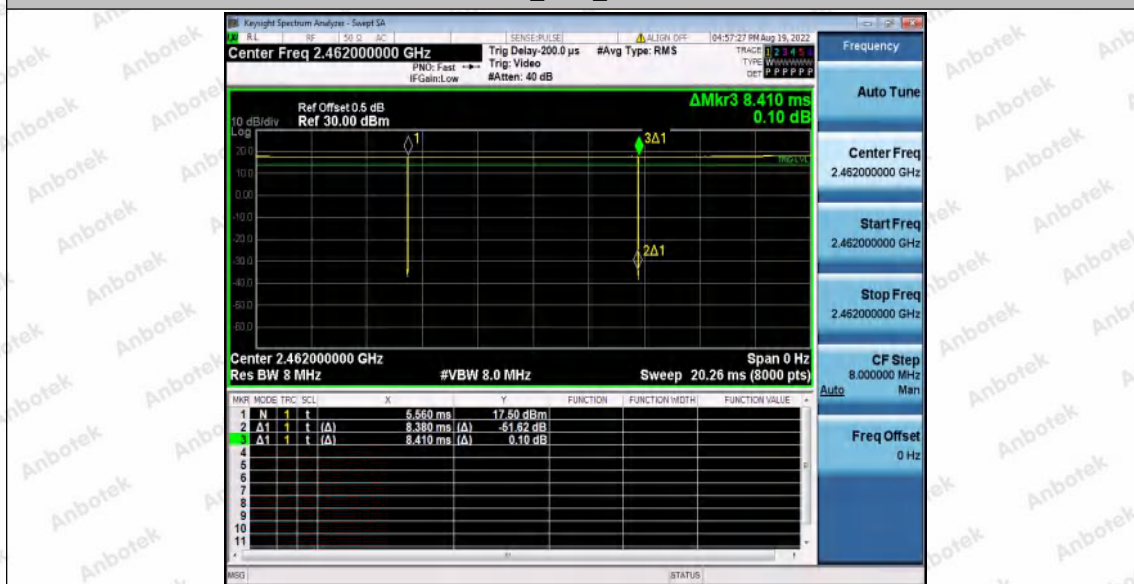


11B_Ant1_2462





11B_Ant2_2462



---End---

