

Appendix Test Data

Report No.:	18220WC20047101	Test Sample No.:	1-2-2
Start Test Date:	2022.3.11	Finish Test Date:	2022.3.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.5 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2402	2.012	2400.980	2402.992	≥0.5	PASS
		2442	2.016	2440.976	2442.992	≥0.5	PASS
		2477	2.004	2475.976	2477.980	≥0.5	PASS

Test Graphs

2.4_Ant1_2402



2.4_Ant1_2442



2.4_Ant1_2477

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2402	2.4718	2400.787	2403.259	---	PASS
		2442	2.4776	2440.782	2443.260	---	PASS
		2477	2.6910	2475.723	2478.414	---	PASS

Test Graphs

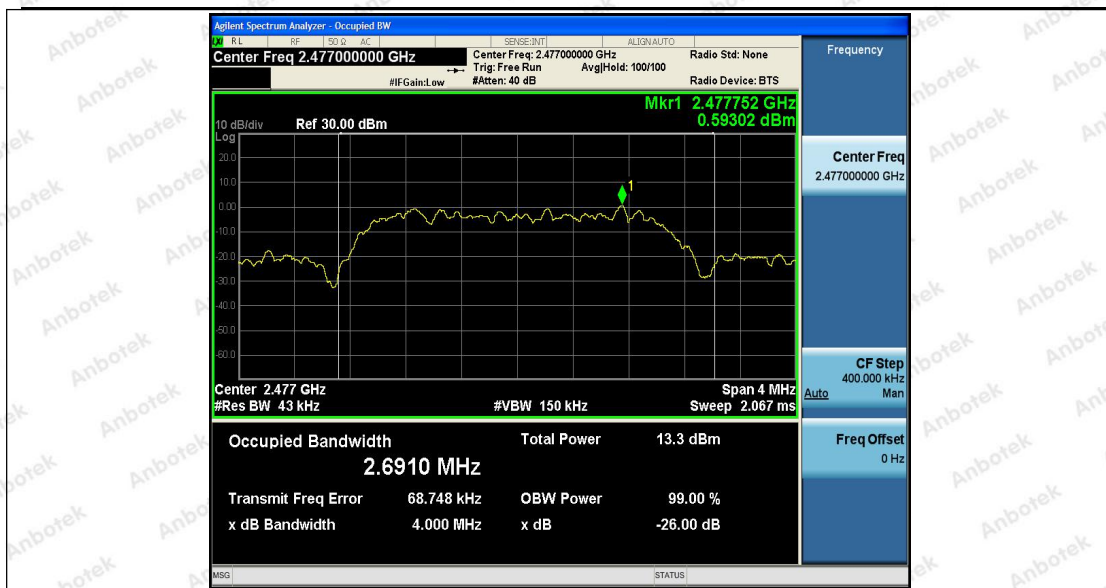


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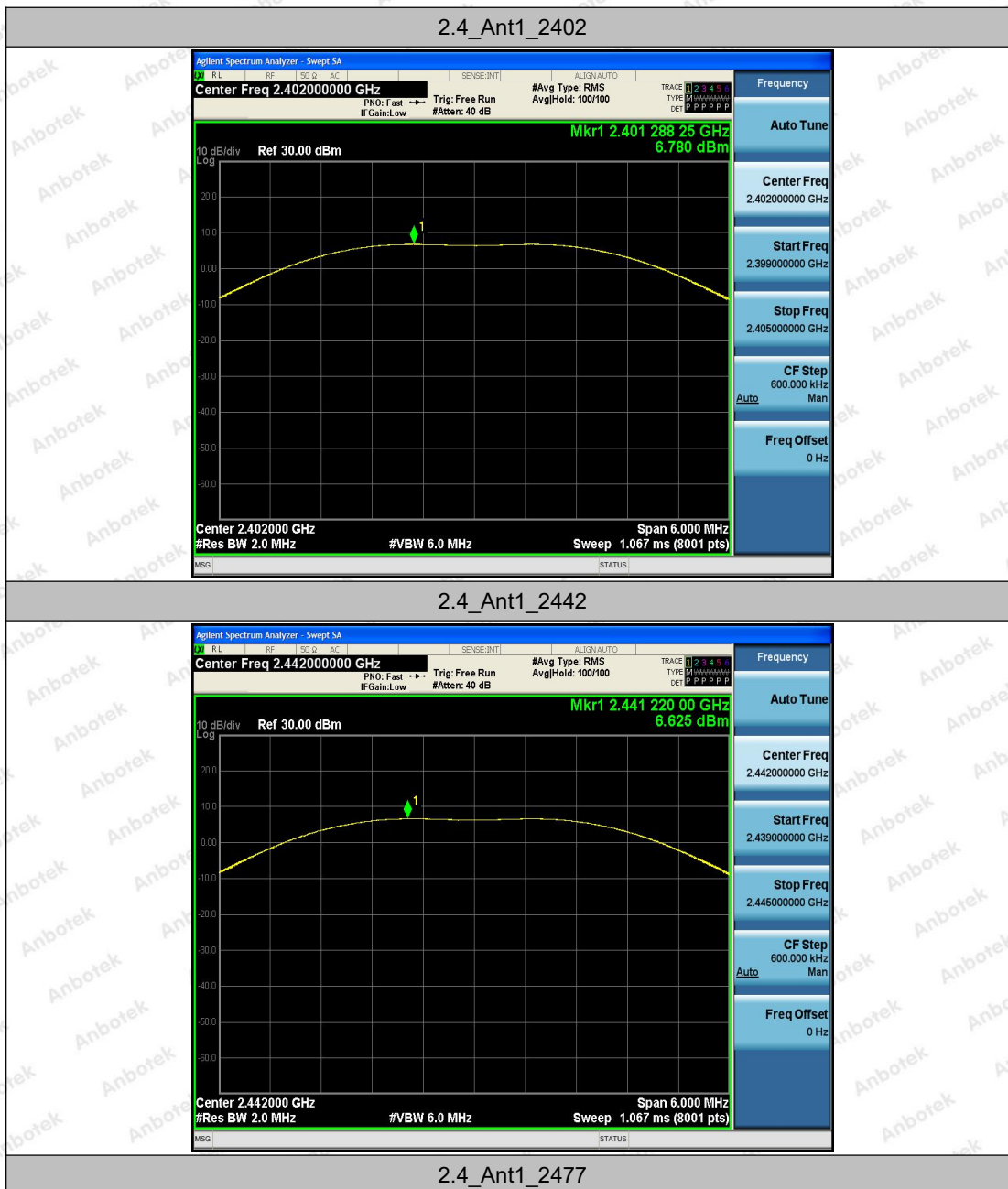
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2402	6.78	≤30	PASS
		2442	6.63	≤30	PASS
		2477	6.91	≤30	PASS

Test Graphs

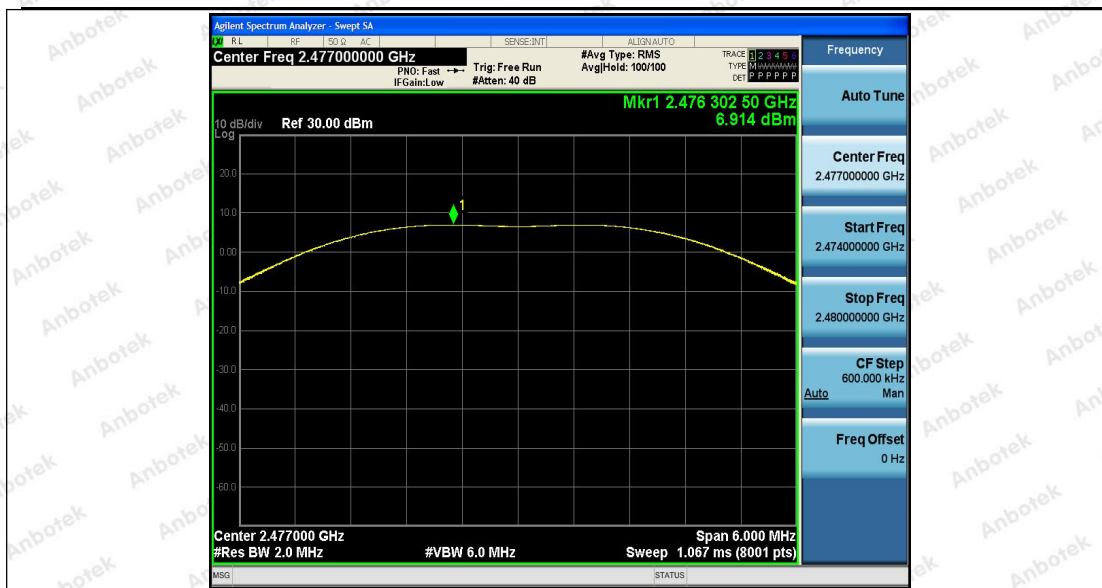


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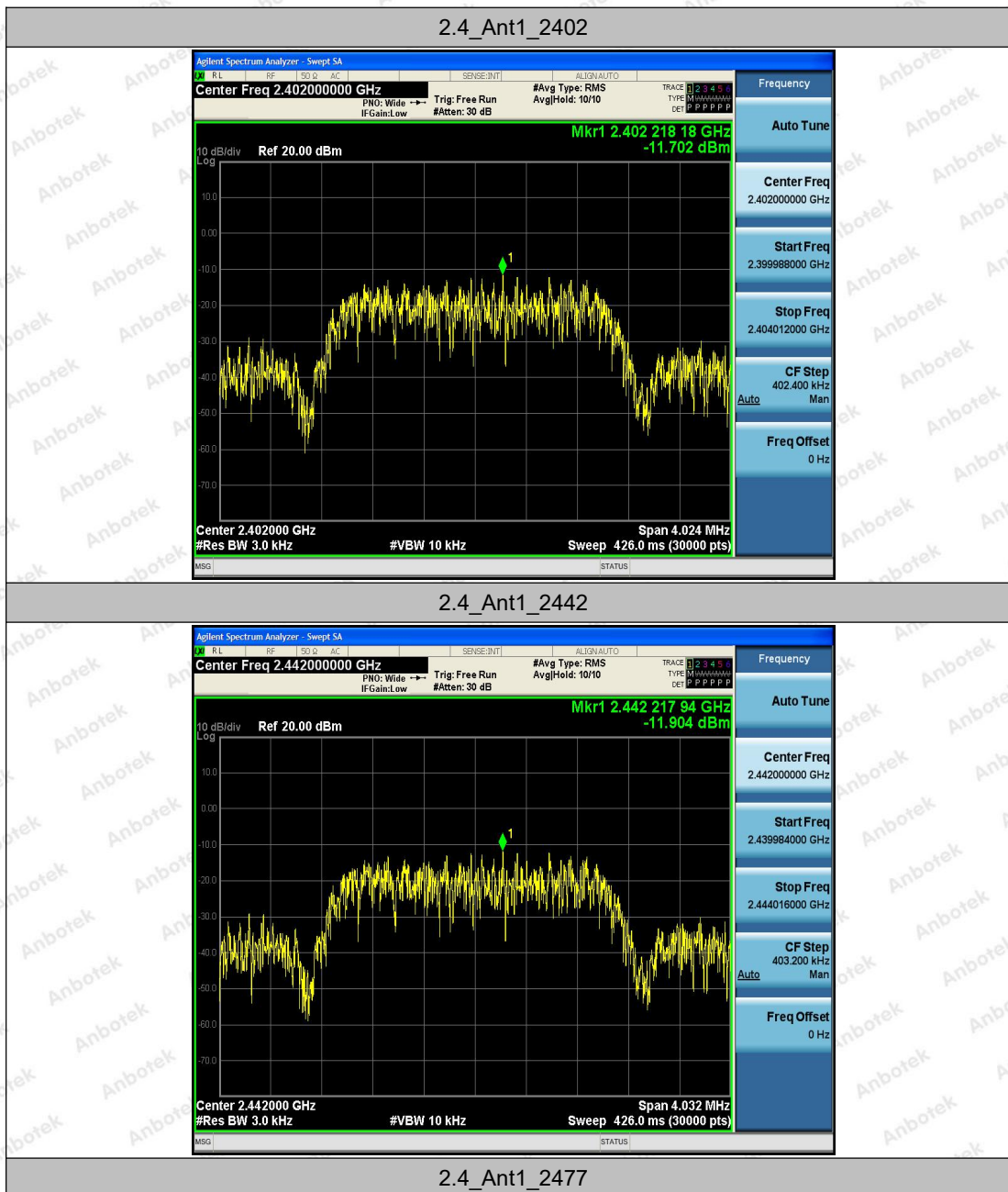
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4	Ant1	2402	-11.7	≤8	PASS
		2442	-11.9	≤8	PASS
		2477	-12.07	≤8	PASS

Test Graphs



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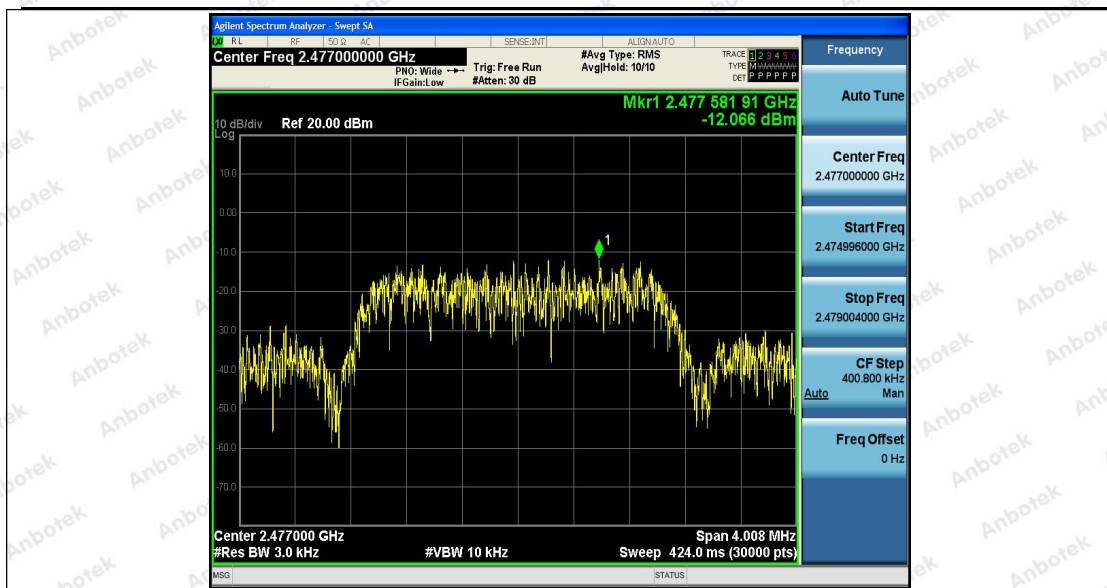
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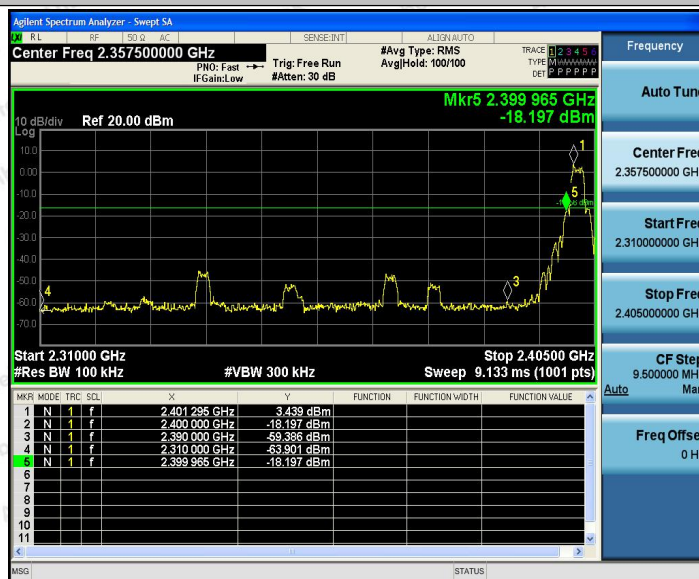
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	Low	2402	3.44	-18.2	≤-16.56	PASS
		High	2477	3.63	-54.68	≤-16.38	PASS

Test Graphs

2.4_Ant1_Low_2402



2.4_Ant1_High_2477



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Appendix F: Conducted Spurious Emission

Test Result

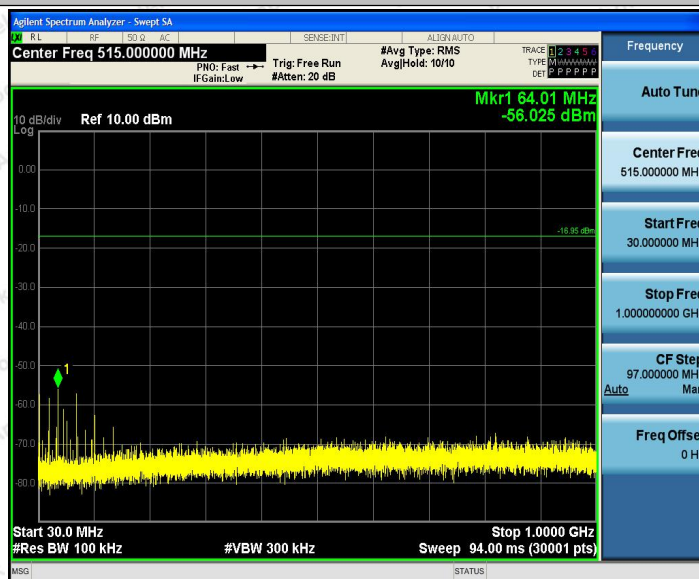
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2402	Reference	3.05	3.05	---	PASS
			30~1000	3.05	-56.03	≤-16.95	PASS
			1000~26500	3.05	-49.98	≤-16.95	PASS
		2442	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-56.17	≤-17.07	PASS
			1000~26500	2.93	-50.59	≤-17.07	PASS
		2477	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-55.98	≤-16.55	PASS
			1000~26500	3.45	-47.47	≤-16.55	PASS

Test Graphs

2.4_Ant1_2402_0~Reference



2.4_Ant1_2402_30~1000



2.4_Ant1_2402_1000~26500

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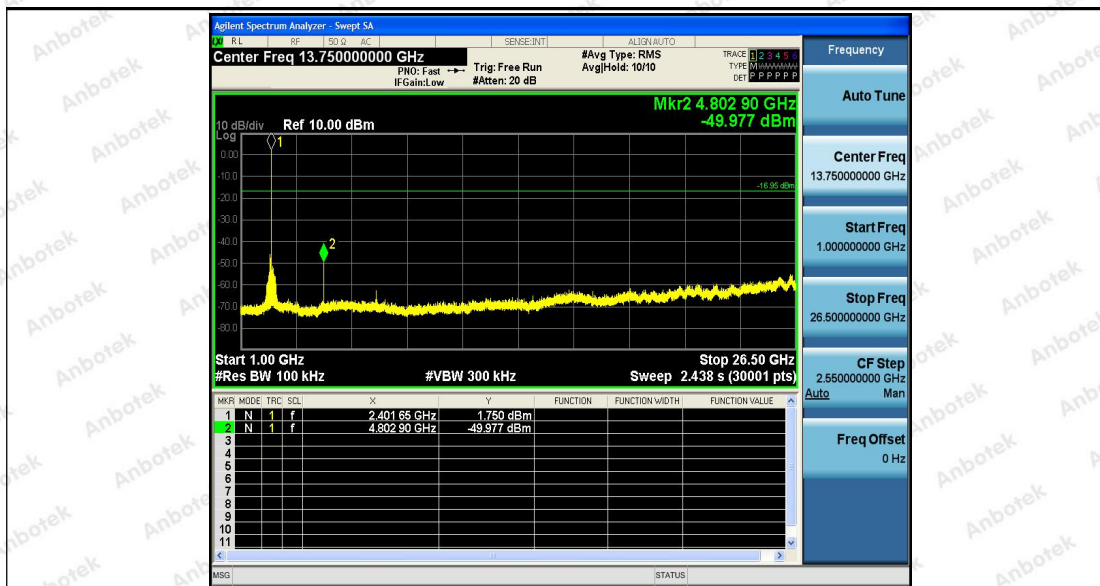
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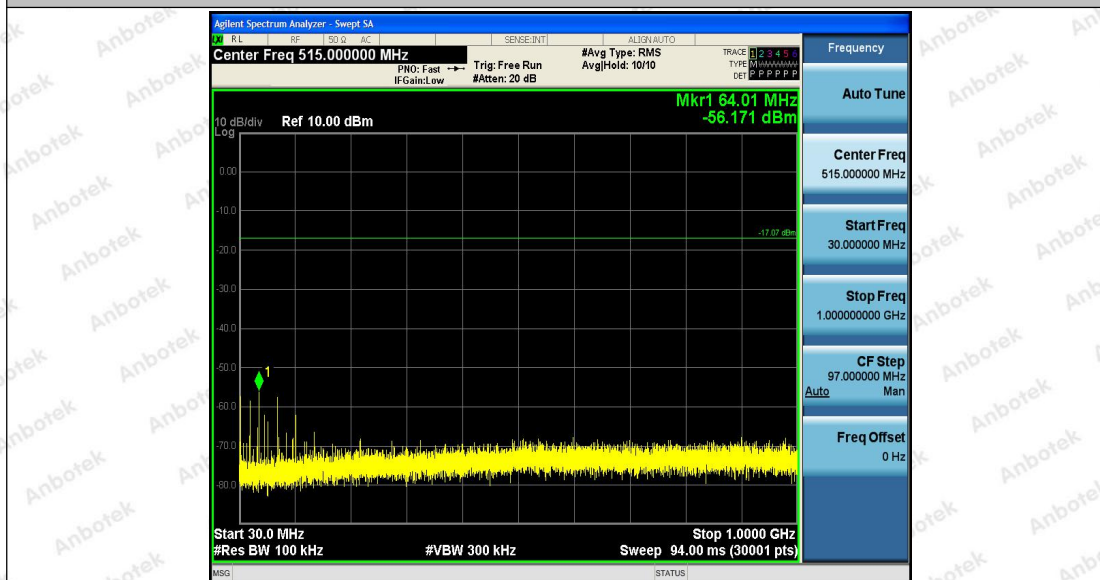
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2.4_Ant1_2442_0~Reference



2.4_Ant1_2442_30~1000



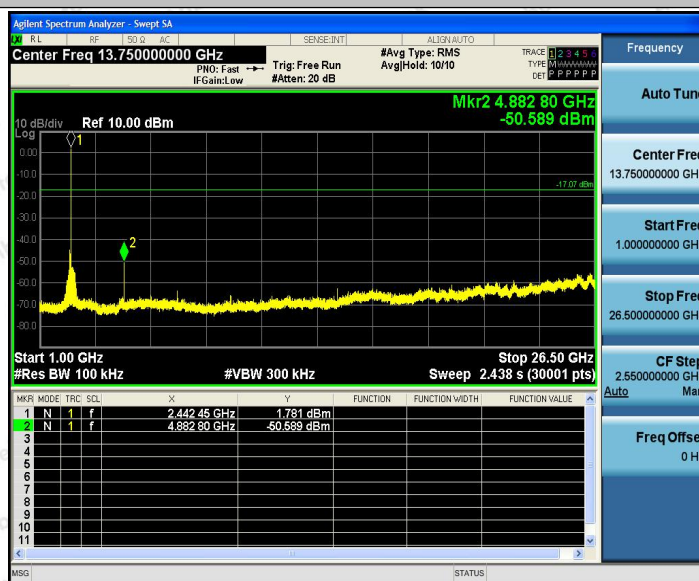
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2.4_Ant1_2442_1000~26500



2.4_Ant1_2477_0~Reference



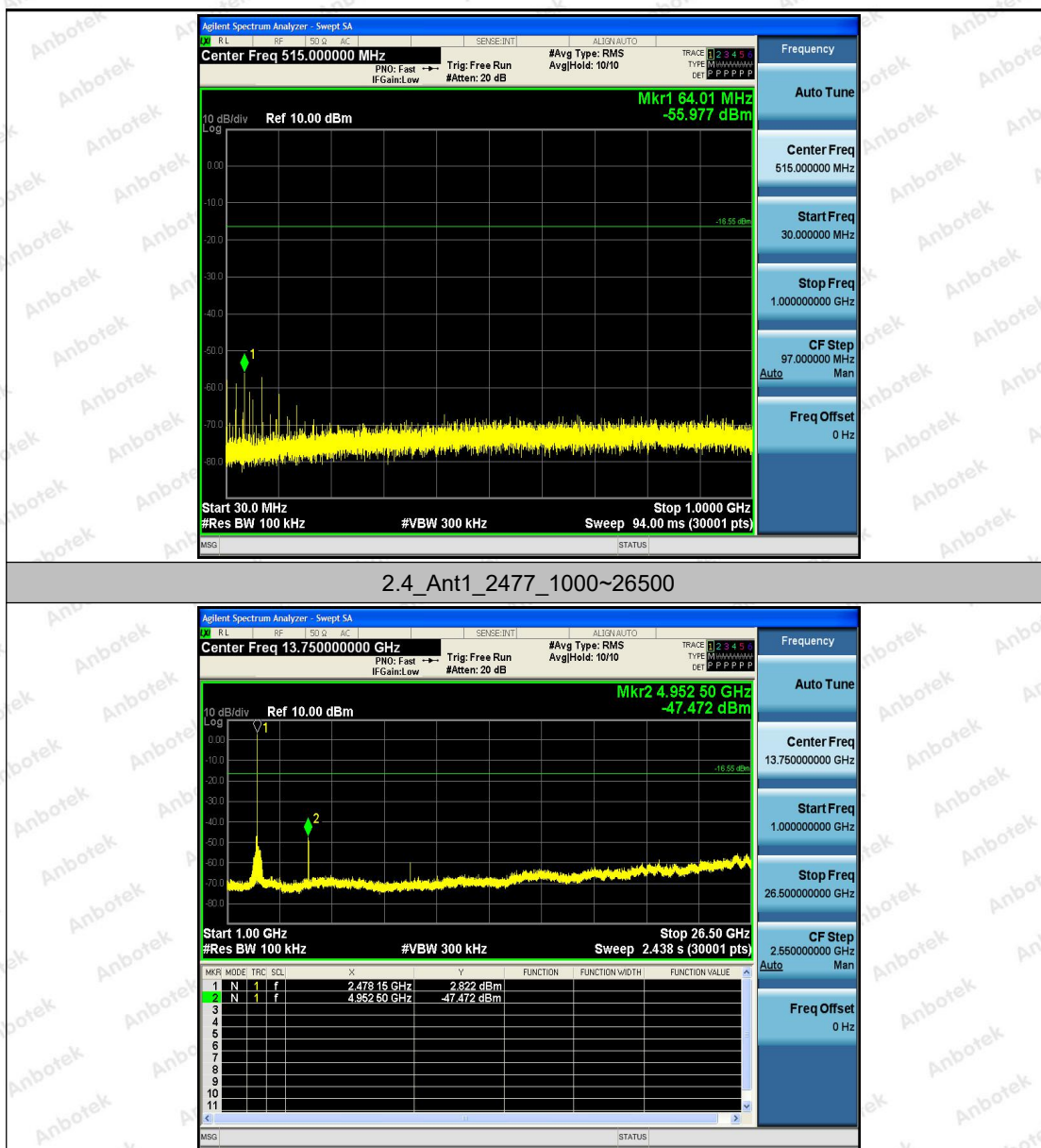
2.4_Ant1_2477_30~1000

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Appendix G: Duty Cycle

Test Result

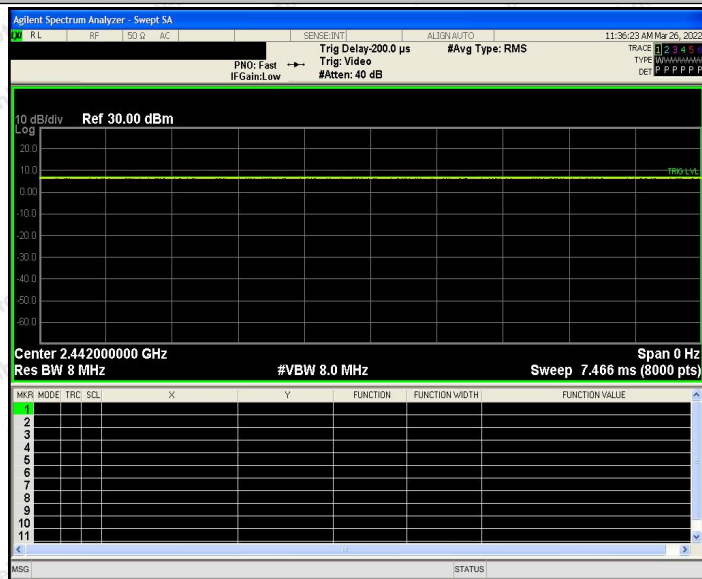
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
2.4	Ant1	2402	7.466	7.466	1	100%	0	---	PASS
		2442	7.466	7.466	1	100%	0	---	PASS
		2477	7.466	7.466	1	100%	0	---	PASS

Test Graphs

2.4_Ant1_2402



2.4_Ant1_2440



2.4_Ant1_2480

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