

Appendix Test Data

Report No.:	18220WC30271102	Test Sample No.:	1-2-2
Start Test Date:	2023.12.24	Finish Test Date:	2023.12.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	41%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.324	2404.376	2405.700	0.5	PASS
		2451	1.408	2450.316	2451.724	0.5	PASS
		2475	1.308	2474.368	2475.676	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.0486	2403.9821	2406.0307
		2451	2.0350	2450.0003	2452.0353
		2475	2.0386	2474.0053	2476.0439

Test Graphs



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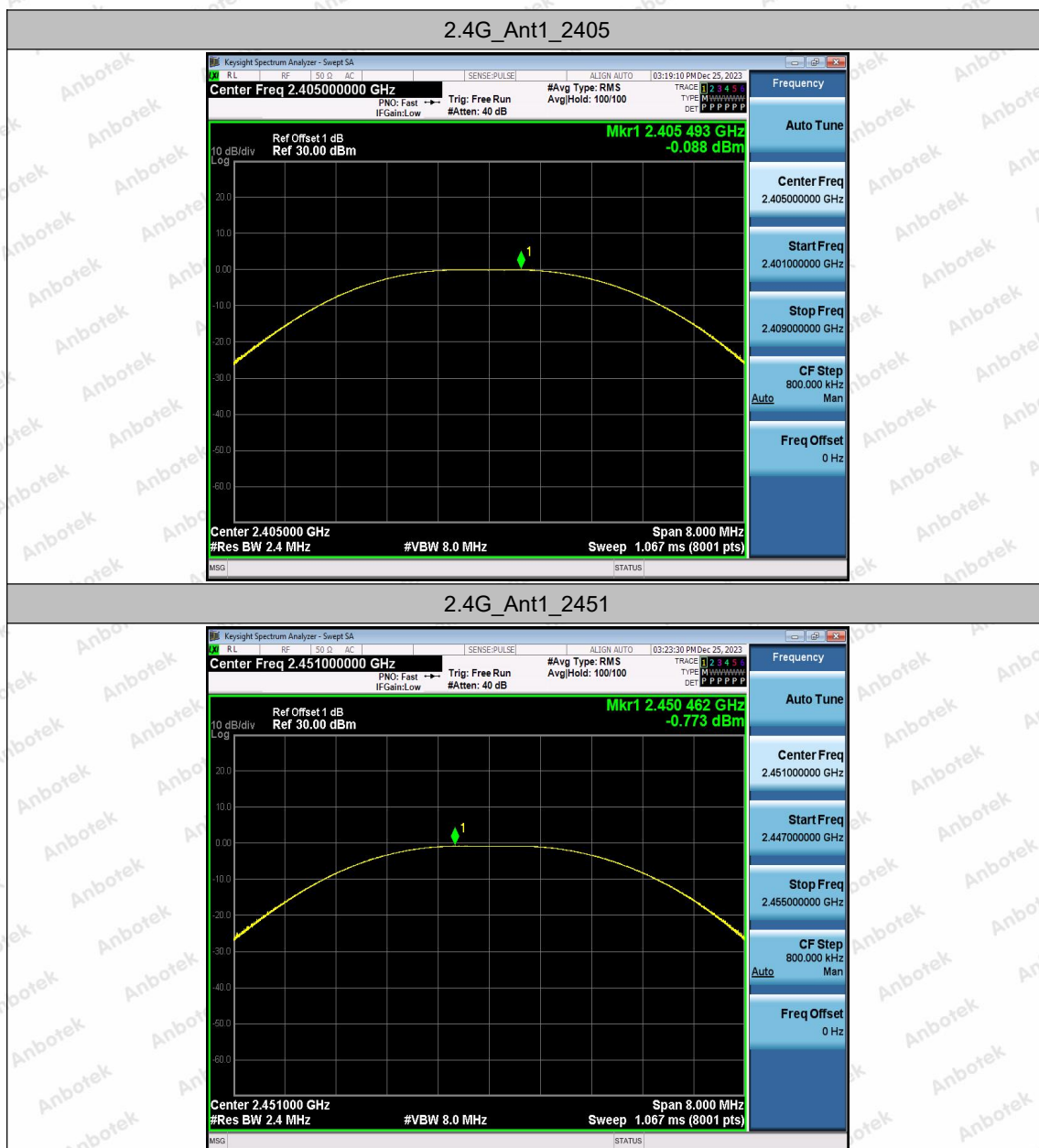


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-0.09	≤30	PASS
		2451	-0.77	≤30	PASS
		2475	-1.28	≤30	PASS

Test Graphs Peak



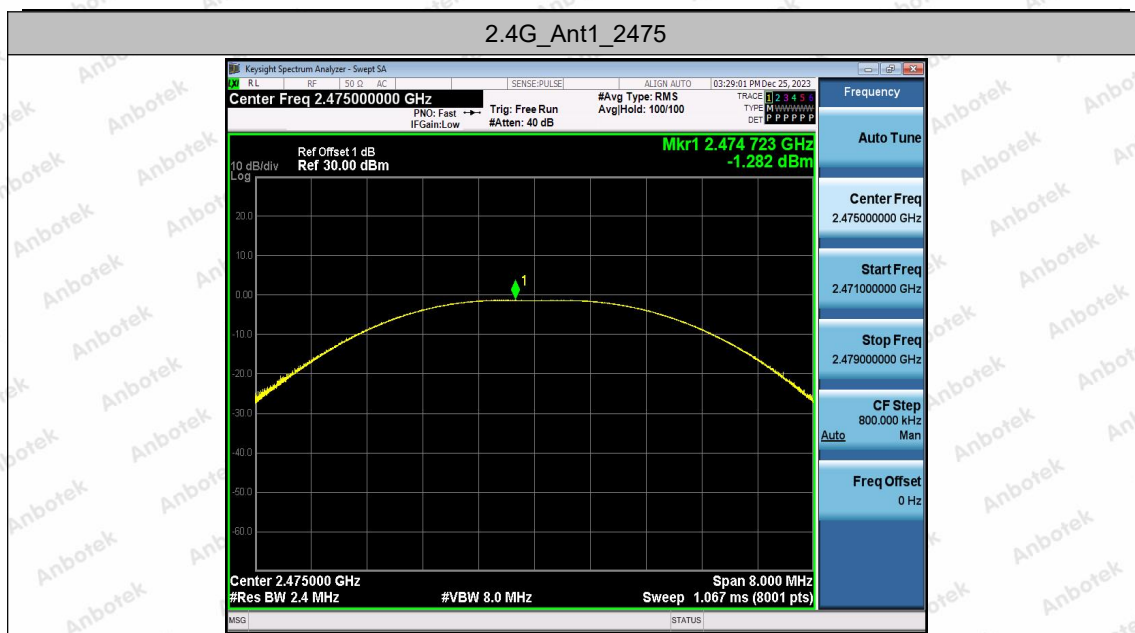
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-11.86	≤8.00	PASS
		2451	-14.14	≤8.00	PASS
		2475	-14.52	≤8.00	PASS

Test Graphs



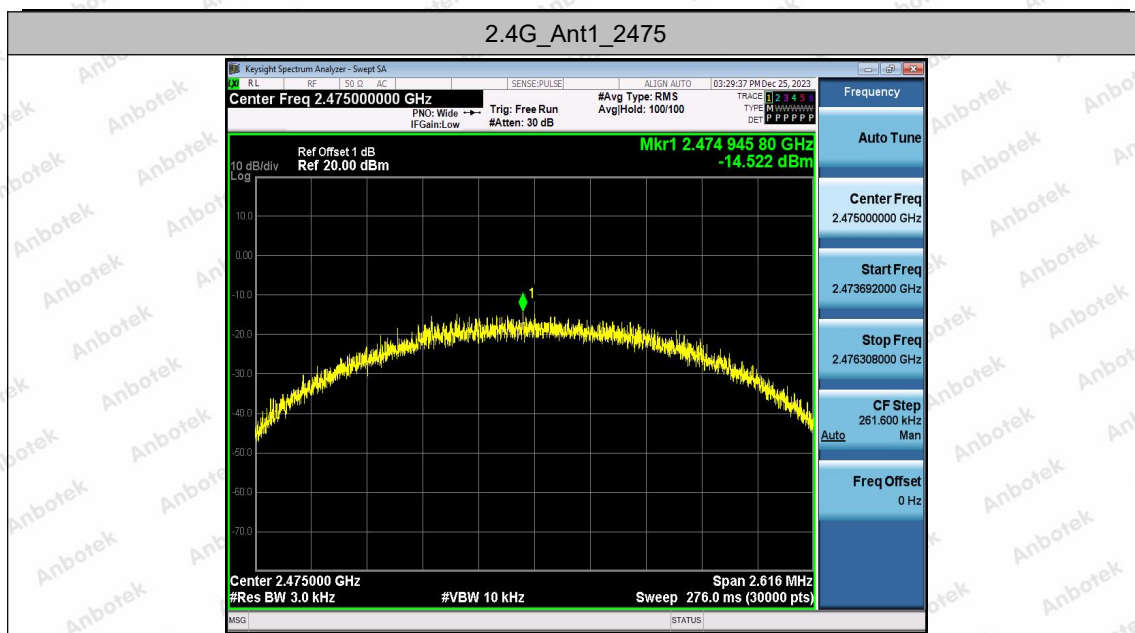
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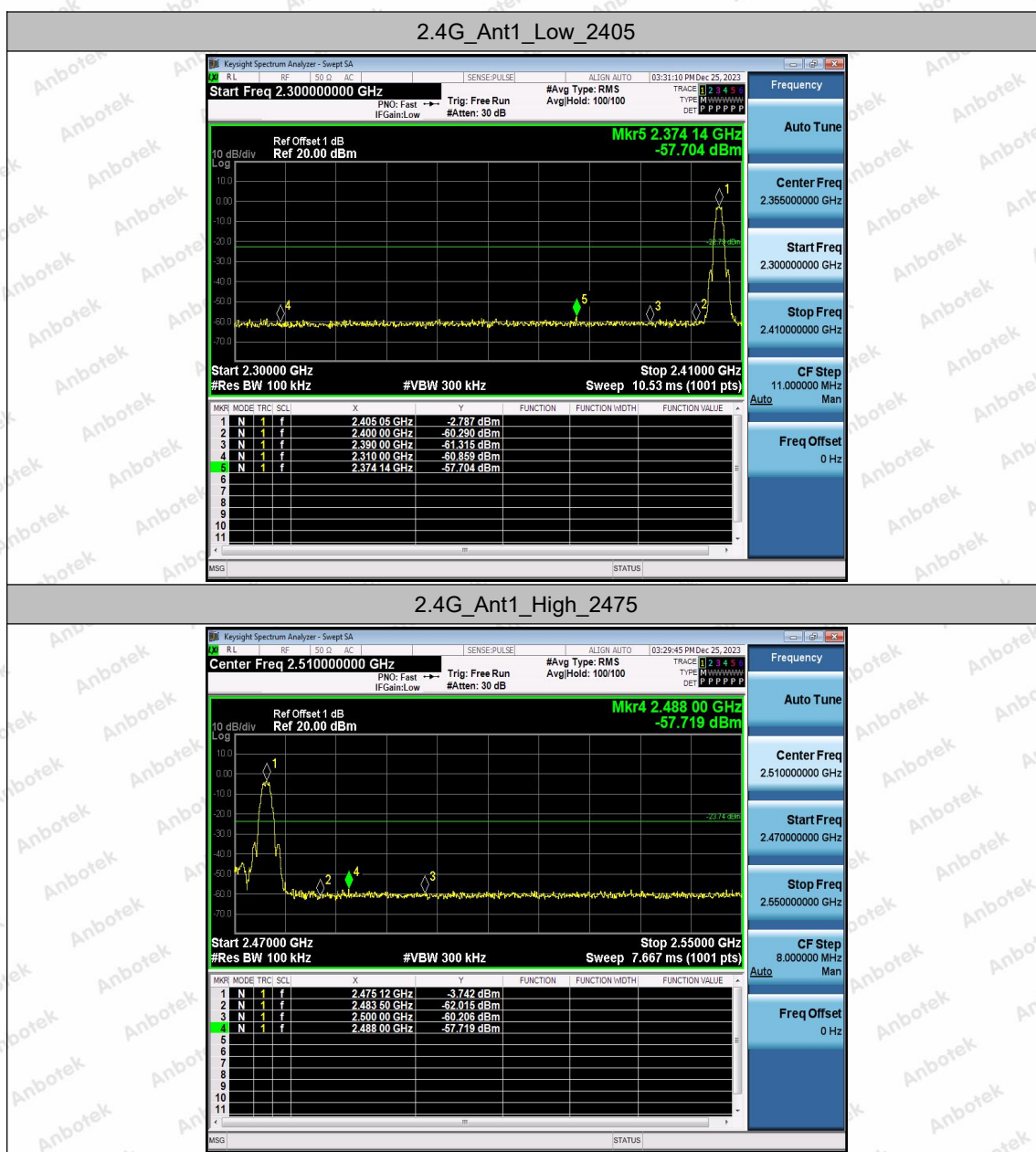


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	-2.79	-57.7	≤-22.79	PASS
		High	2475	-3.74	-57.72	≤-23.74	PASS

Test Graphs



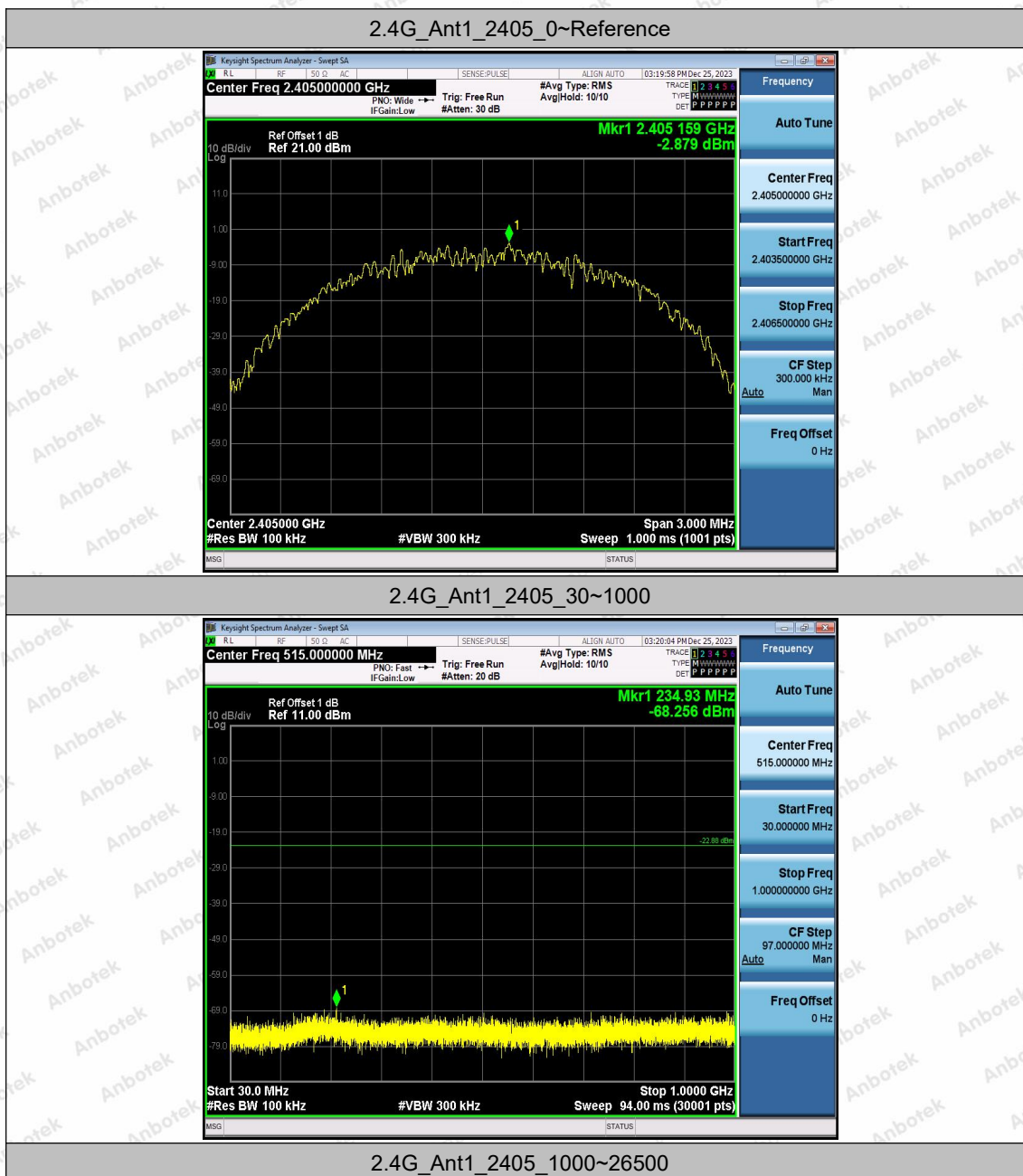
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-68.26	≤-22.88	PASS
			1000~26500	-2.88	-37.44	≤-22.88	PASS
		2451	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-67.83	≤-23.56	PASS
			1000~26500	-3.56	-36.41	≤-23.56	PASS
		2475	Reference	-4.55	-4.55	---	PASS
			30~1000	-4.55	-68.52	≤-24.55	PASS
			1000~26500	-4.55	-35.69	≤-24.55	PASS



Test Graphs



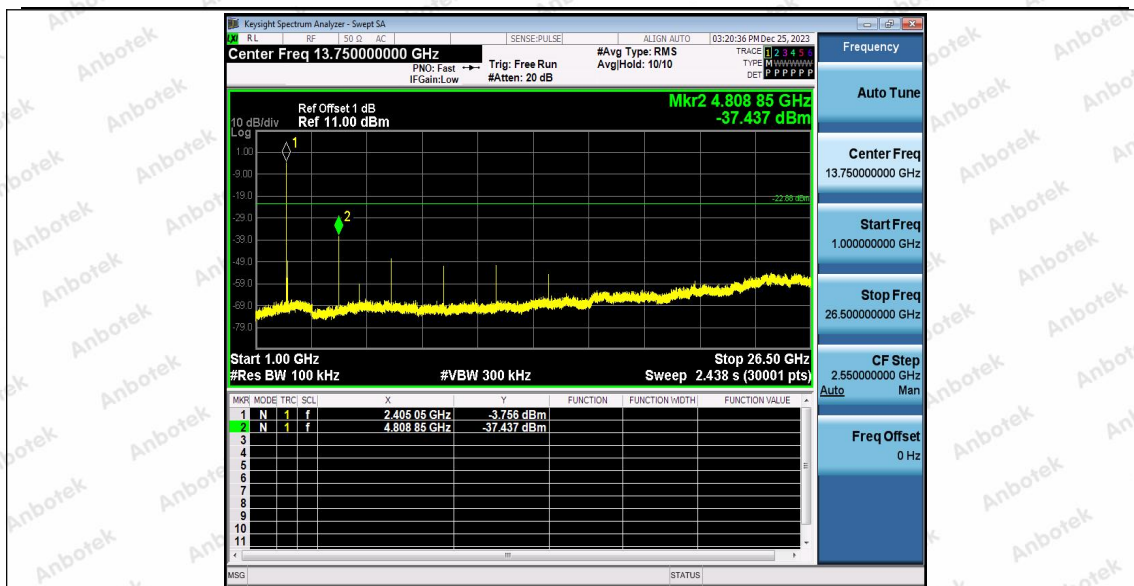
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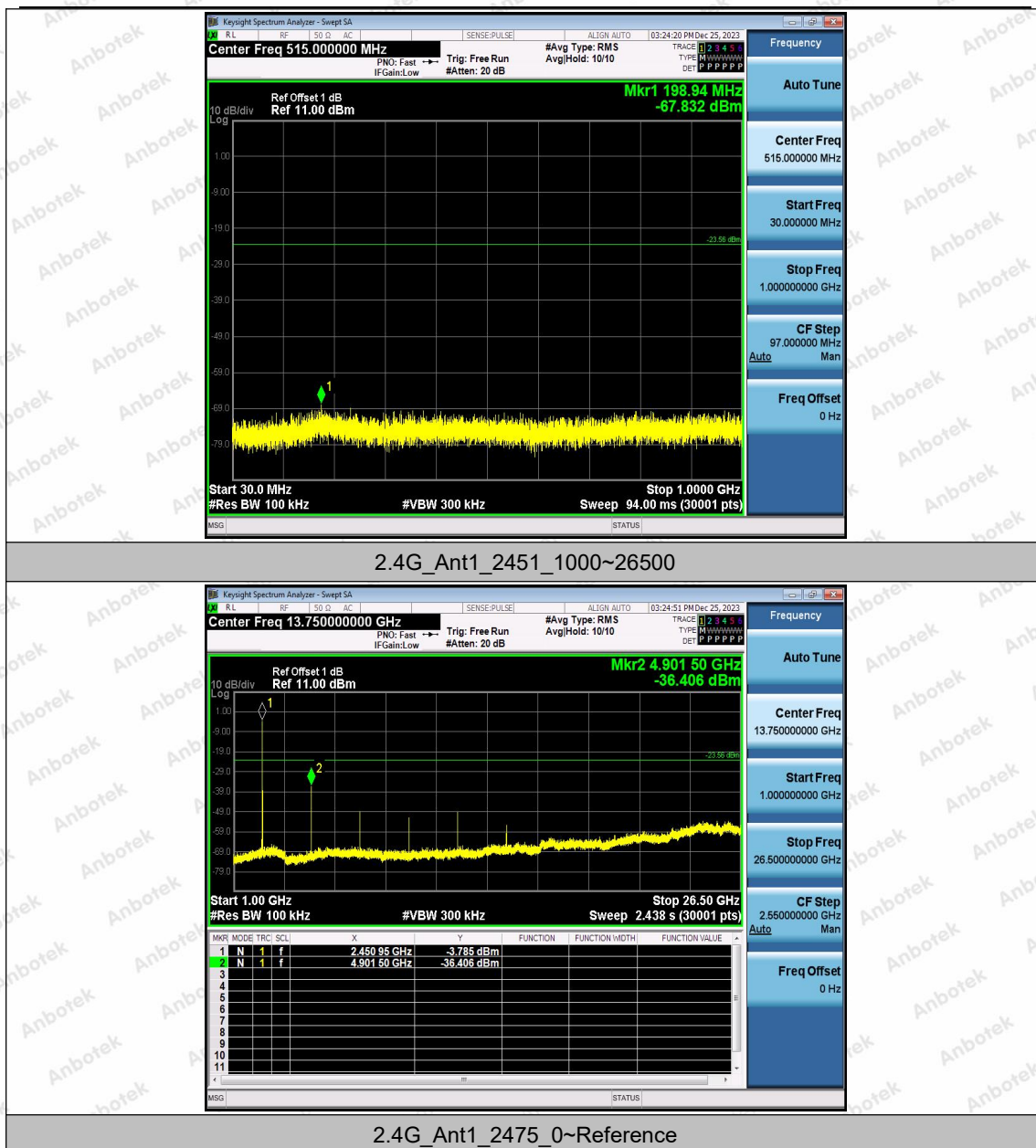


2.4G_Ant1_2451_0~Reference



2.4G_Ant1_2451_30~1000





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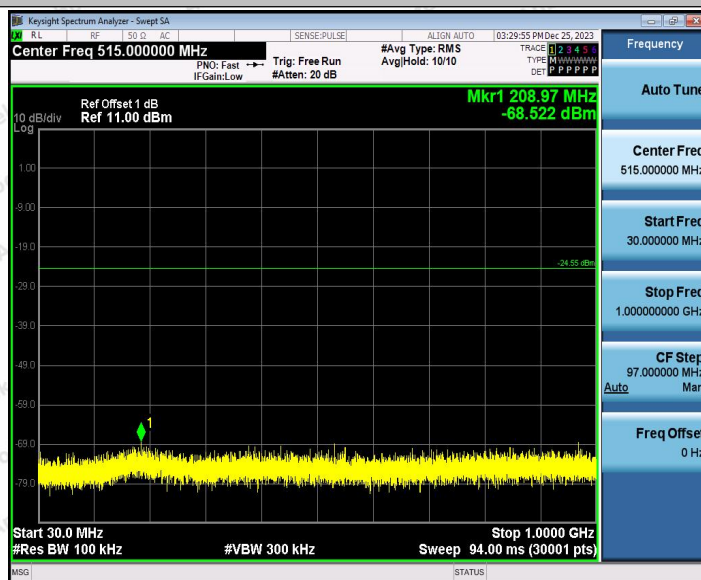


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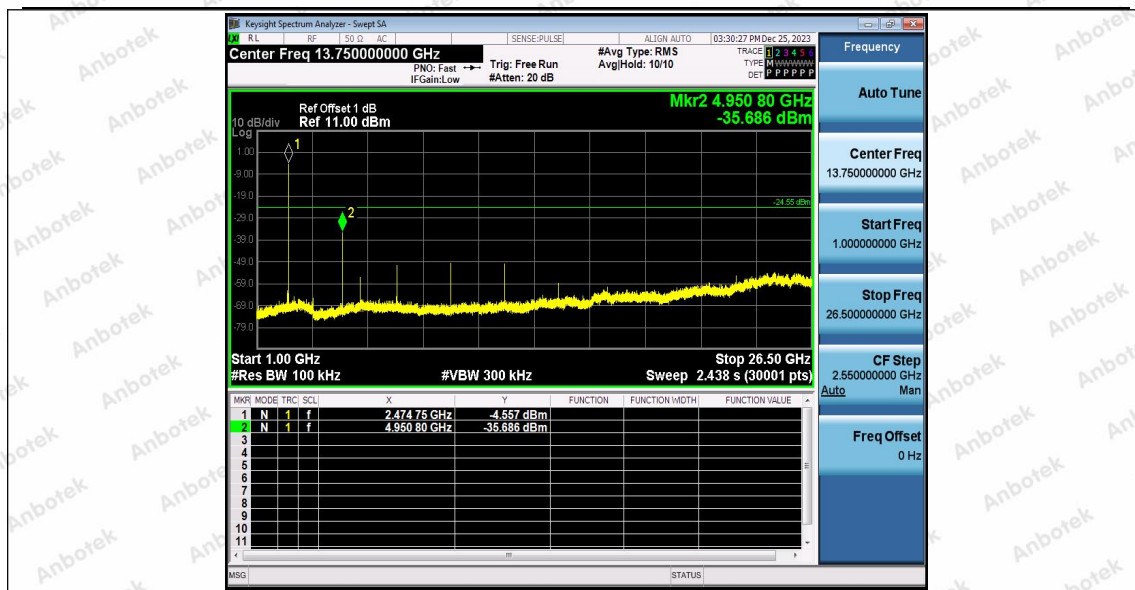


2.4G_Ant1_2475_30~1000



2.4G_Ant1_2475_1000~26500



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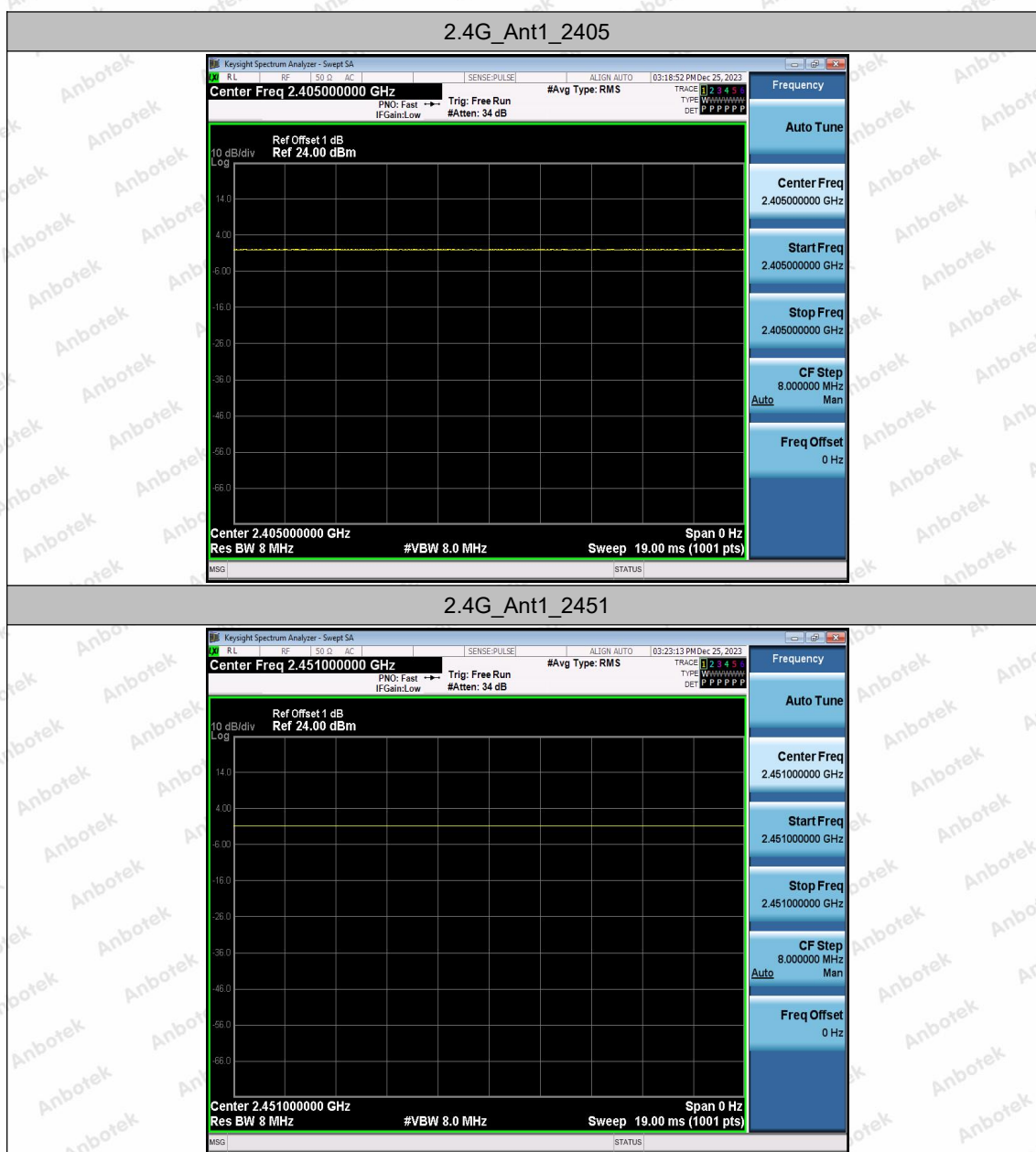


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	19.00	19.00	100	0.00
		2451	19.00	19.00	100	0.00
		2475	19.00	19.00	100	0.00

Test Graphs



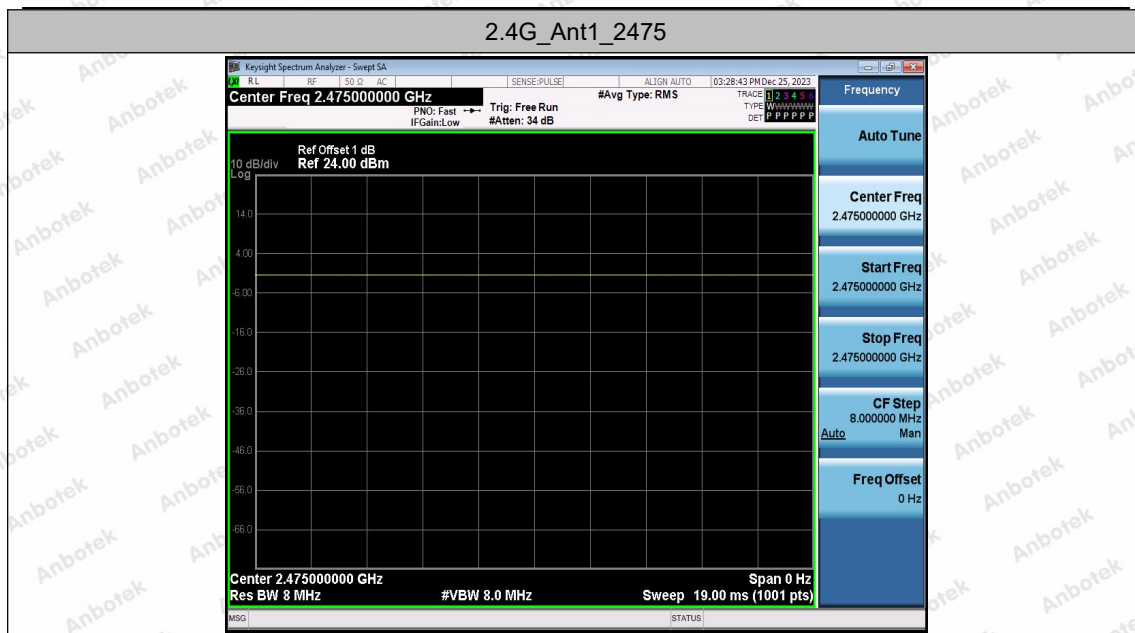
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