

Appendix Test Data

Report No.:	18220WC30271302	Test Sample No.:	1-2-2
Start Test Date:	2023.12.24	Finish Test Date:	2023.12.26
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.1°C	Relative Humidity:	43%
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	1.376	2404.316	2405.692	0.5	PASS
		2430	1.332	2429.336	2430.668	0.5	PASS
		2470	1.384	2469.312	2470.696	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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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	2.0786	2403.9500	2406.0286
		2430	2.0792	2428.9626	2431.0418
		2470	2.0409	2468.9665	2471.0074

Test Graphs



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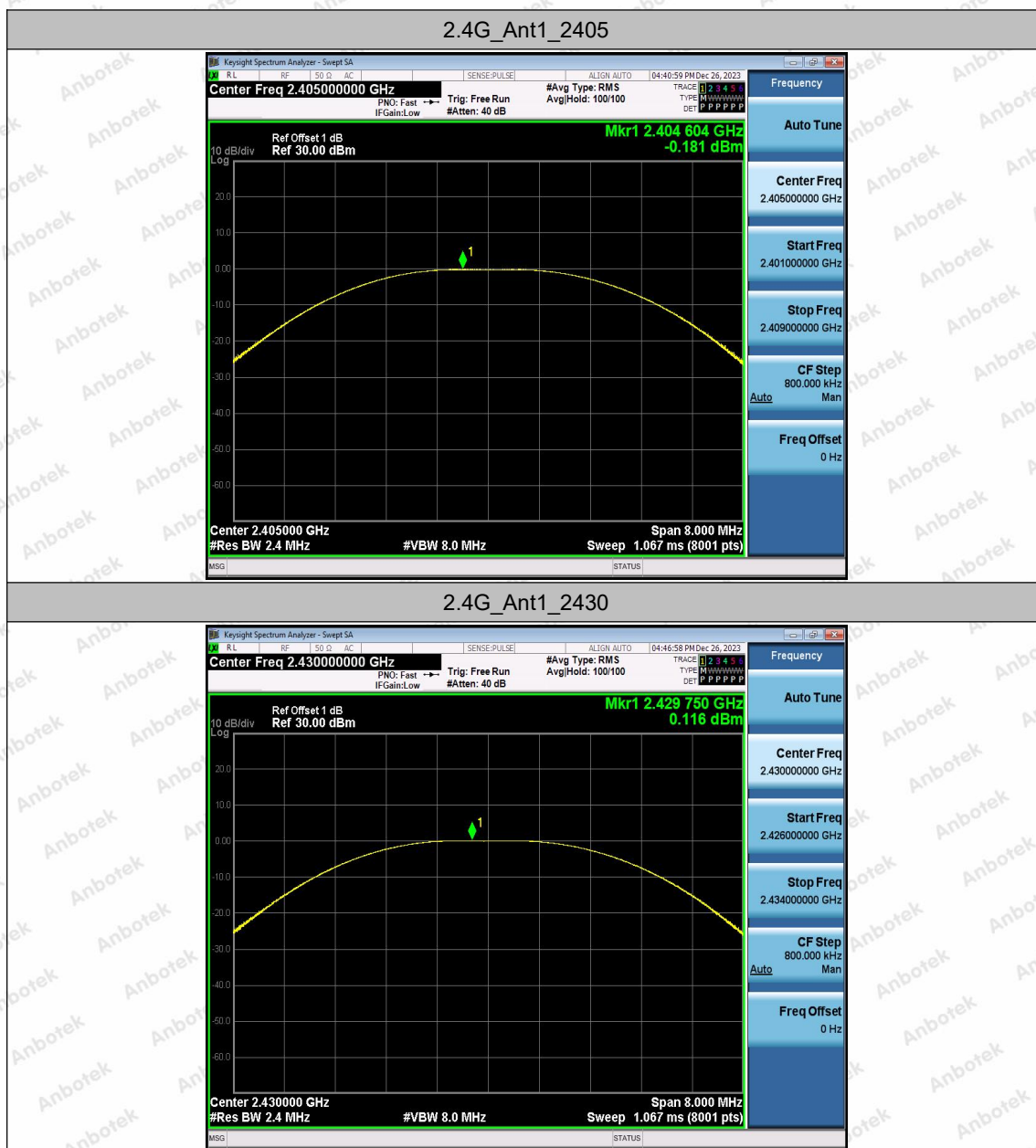


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	-0.18	≤30	PASS
		2430	0.12	≤30	PASS
		2470	0.21	≤30	PASS

Test Graphs Peak



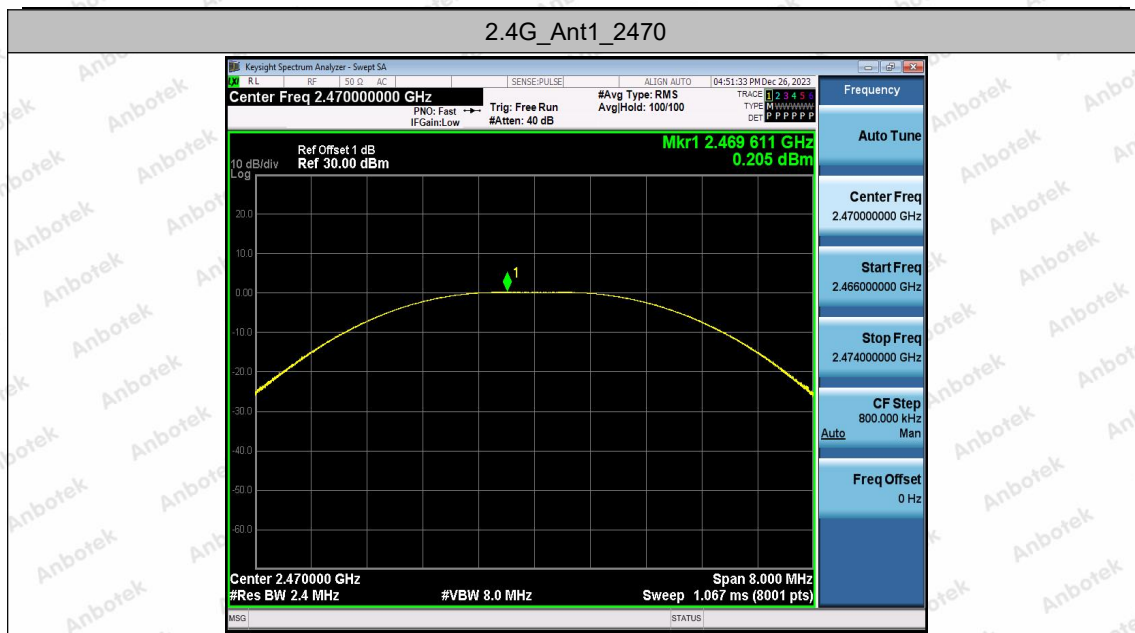
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-12.39	≤8.00	PASS
		2430	-12.70	≤8.00	PASS
		2470	-12.62	≤8.00	PASS

Test Graphs



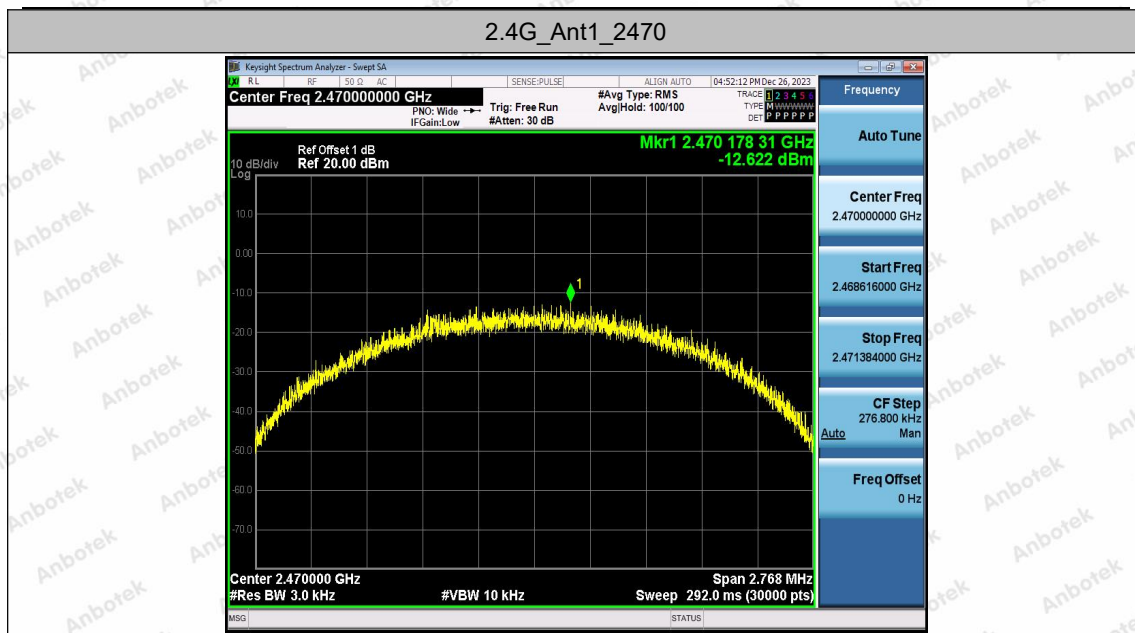
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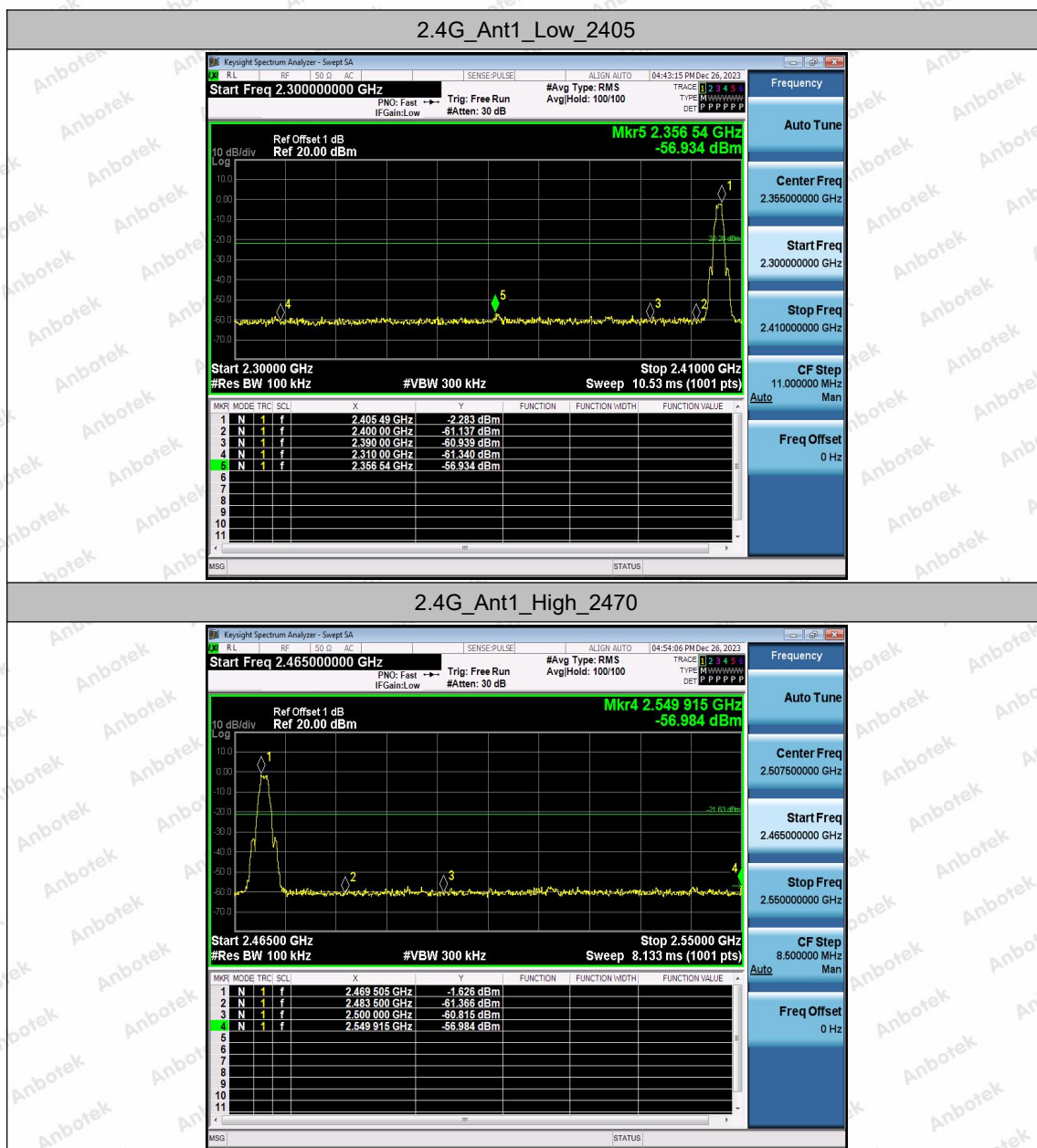


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-2.28	-56.93	≤-22.28	PASS
		High	2470	-1.63	-56.98	≤-21.63	PASS

Test Graphs



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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	-2.97	-2.97	---	PASS
			30~1000	-2.97	-57.12	≤-22.97	PASS
			1000~26500	-2.97	-35.98	≤-22.97	PASS
		2430	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-57.28	≤-22.66	PASS
			1000~26500	-2.66	-37.88	≤-22.66	PASS
		2470	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-56.69	≤-22.88	PASS
			1000~26500	-2.88	-37.91	≤-22.88	PASS

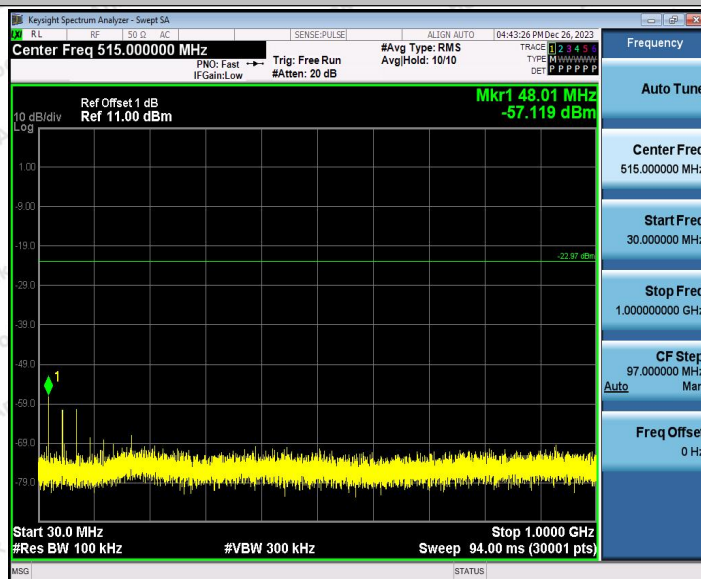


Test Graphs

2.4G_Ant1_2405_0~Reference



2.4G_Ant1_2405_30~1000



2.4G_Ant1_2405_1000~26500

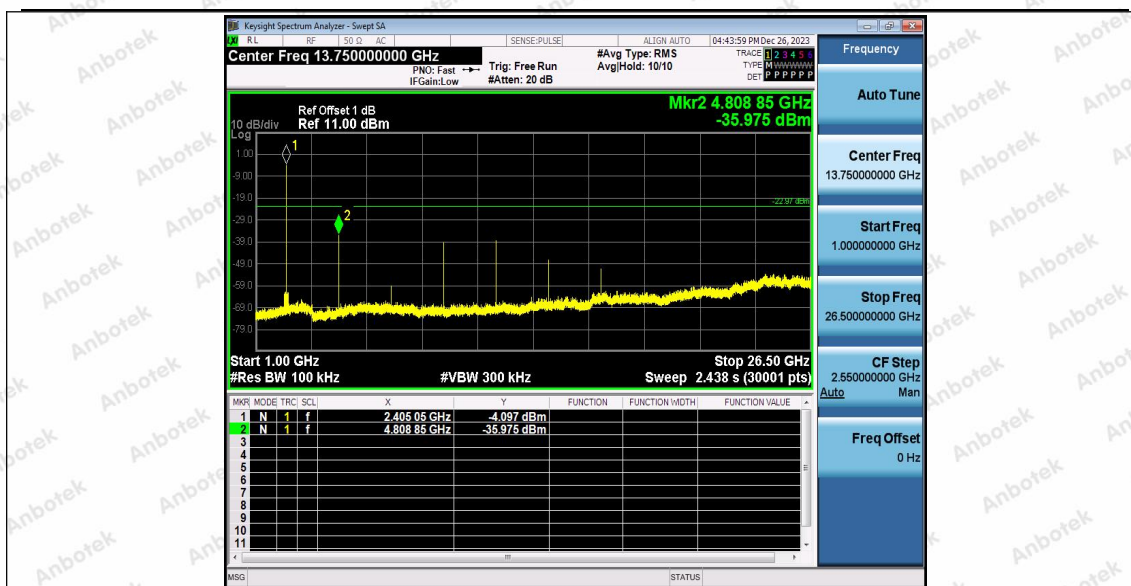
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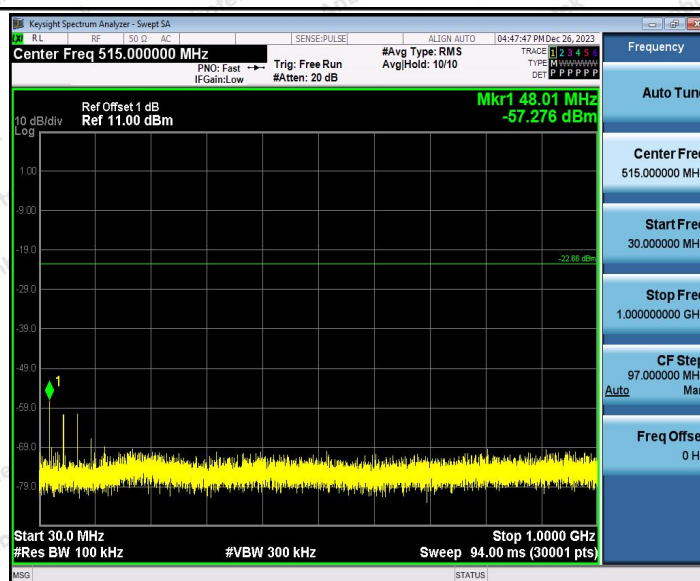


2.4G_Ant1_2430_0~Reference

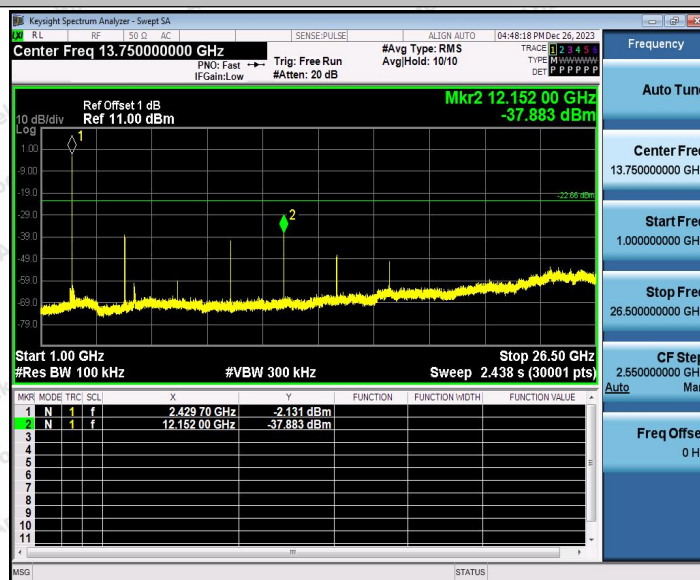


2.4G_Ant1_2430_30~1000



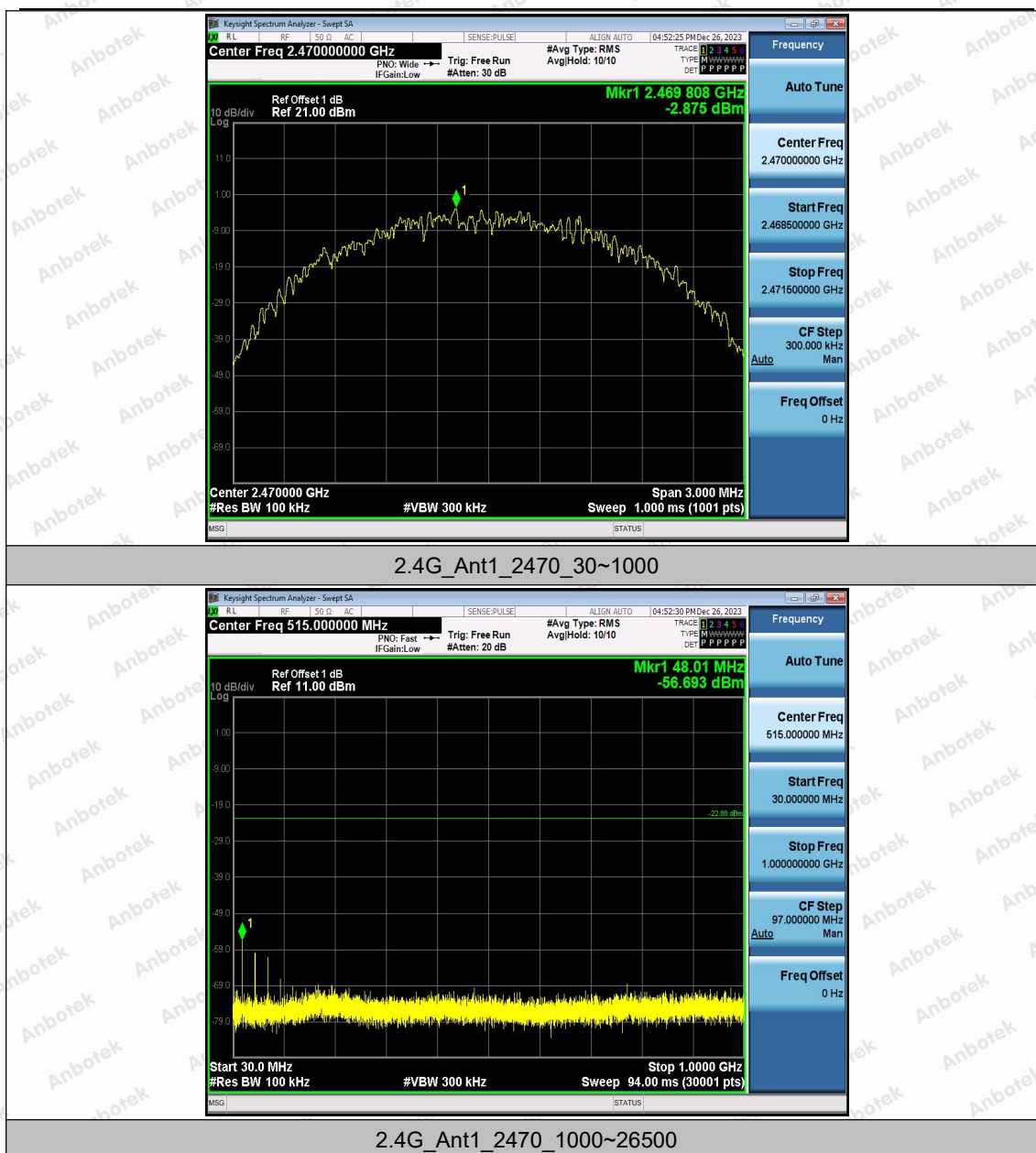


2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference



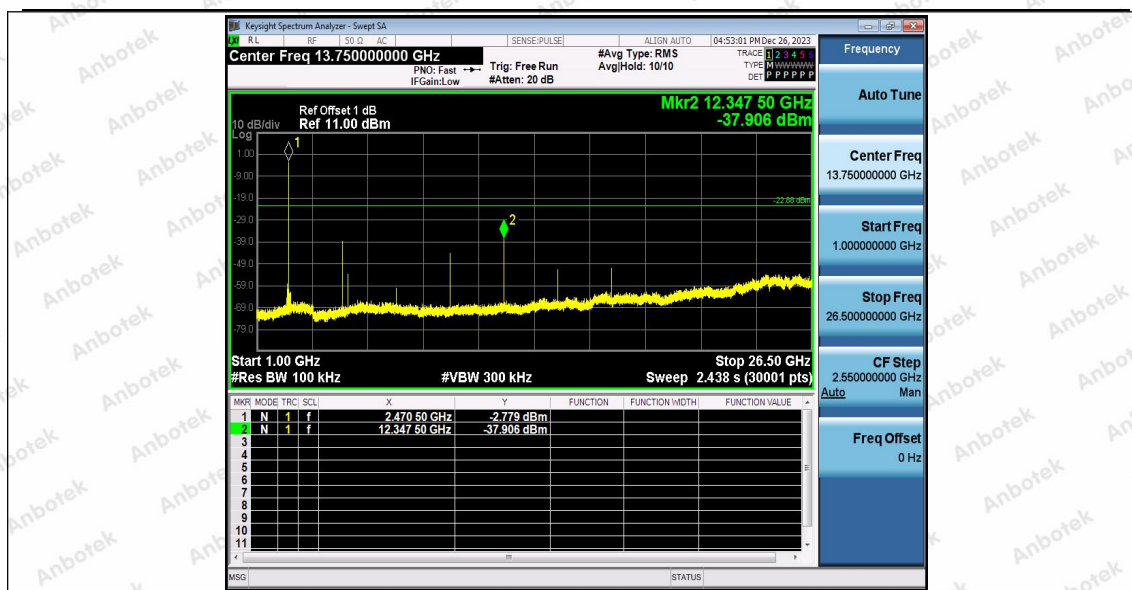
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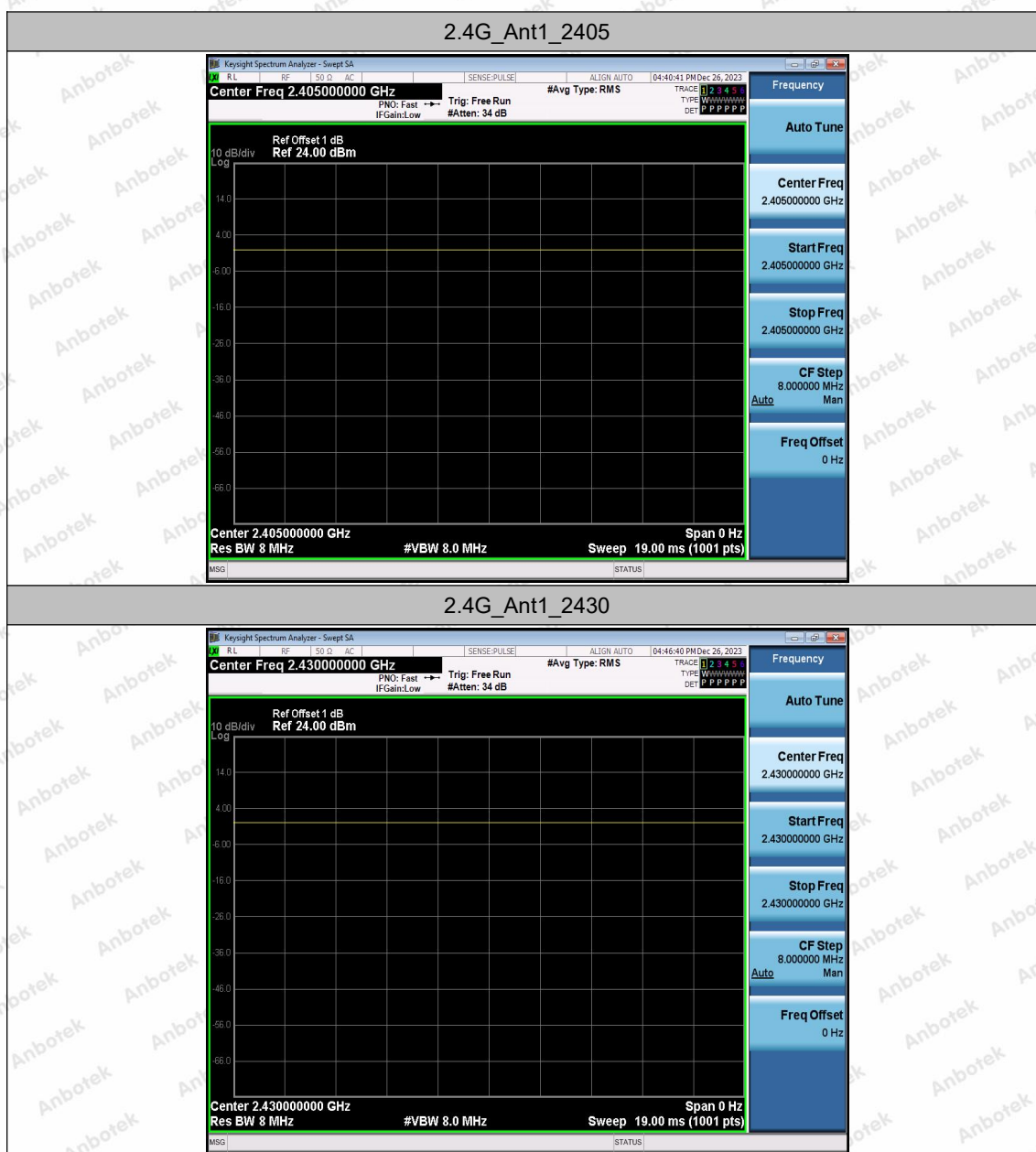


Appendix G: Duty Cycle

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
		2430	19.00	19.00	100	0.00
		2470	19.00	19.00	100	0.00

Test Graphs



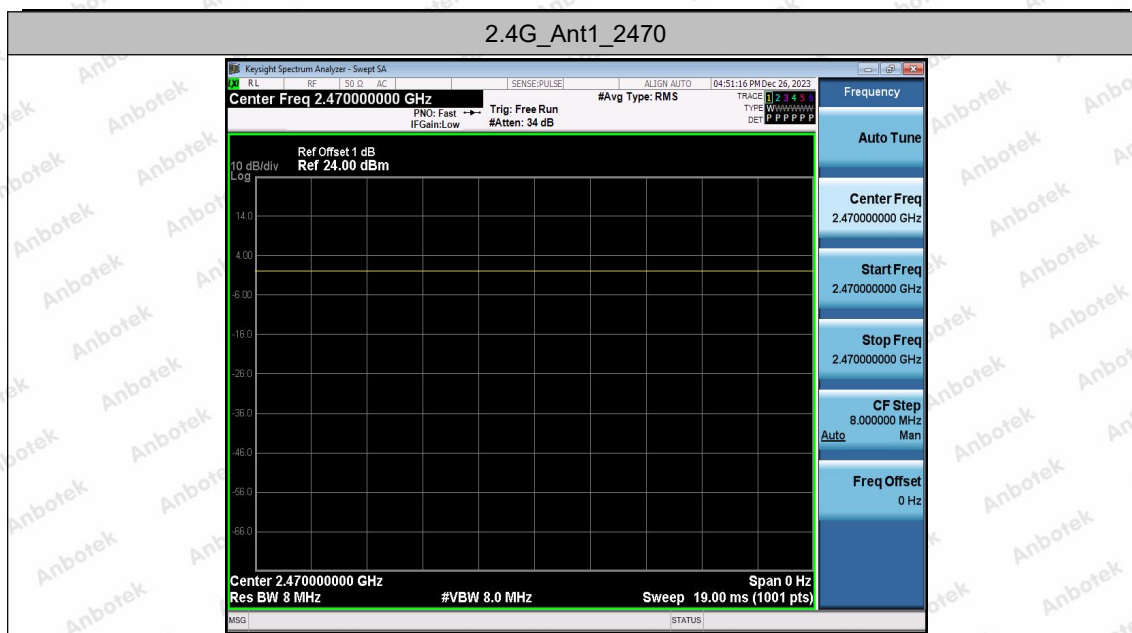
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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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