

Appendix Test Data

Report No.:	18220WC30256801	Test Sample No.:	1-2-2
Start Test Date:	2023.12.13	Finish Test Date:	2023.12.14
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.5°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5.8G	Ant1	5733	4.000	5730.760	5734.760	0.5	PASS
		5790	4.000	5787.840	5791.840	0.5	PASS
		5847	3.960	5844.920	5848.880	0.5	PASS

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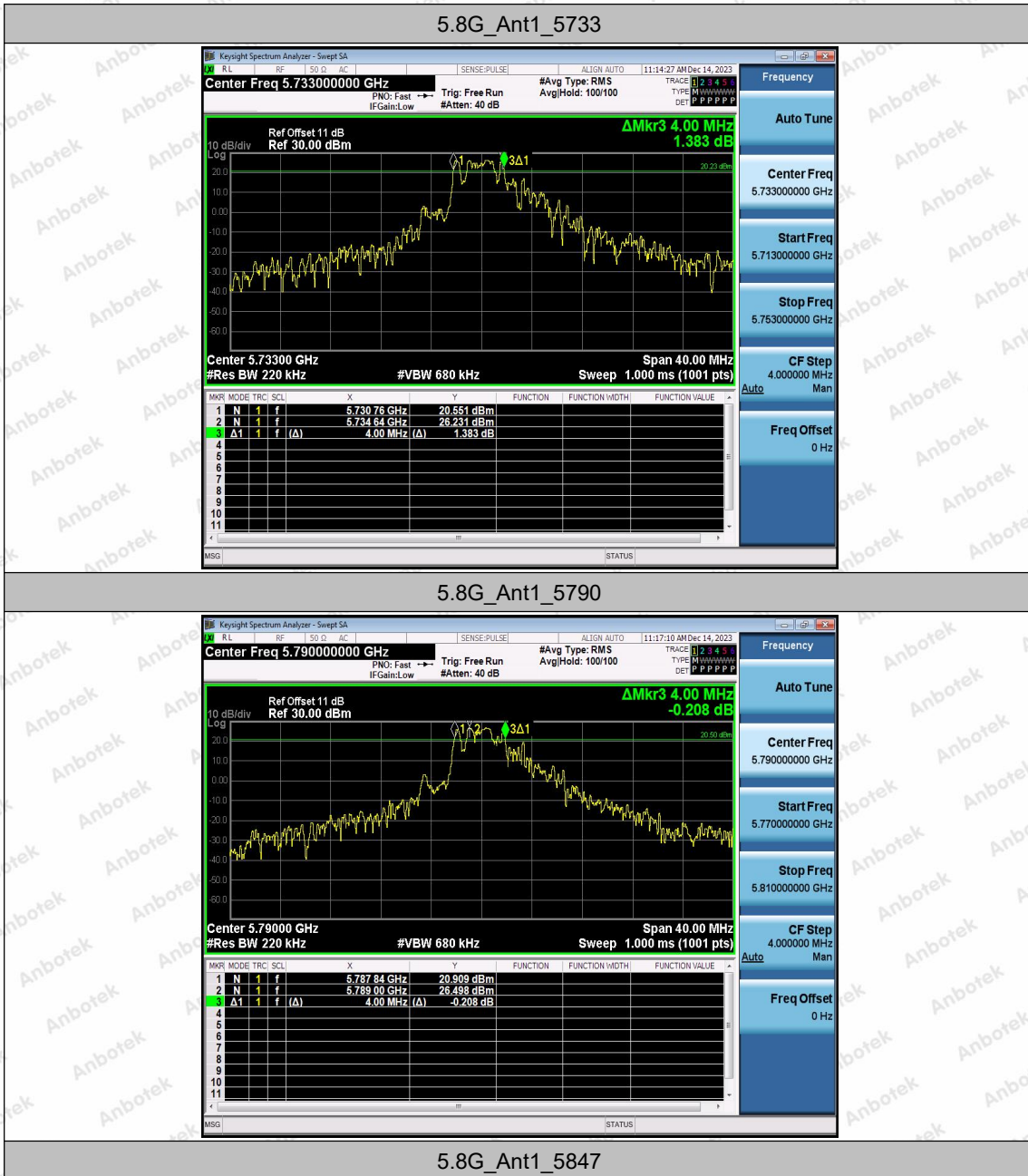
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Test Graphs



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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
5.8G	Ant1	5733	7.9393	5730.5014	5738.4407	---	---
		5790	7.8360	5787.5876	5795.4236	---	---
		5847	7.8600	5844.4182	5852.2782	---	---

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Appendix C: Maximum conducted output power

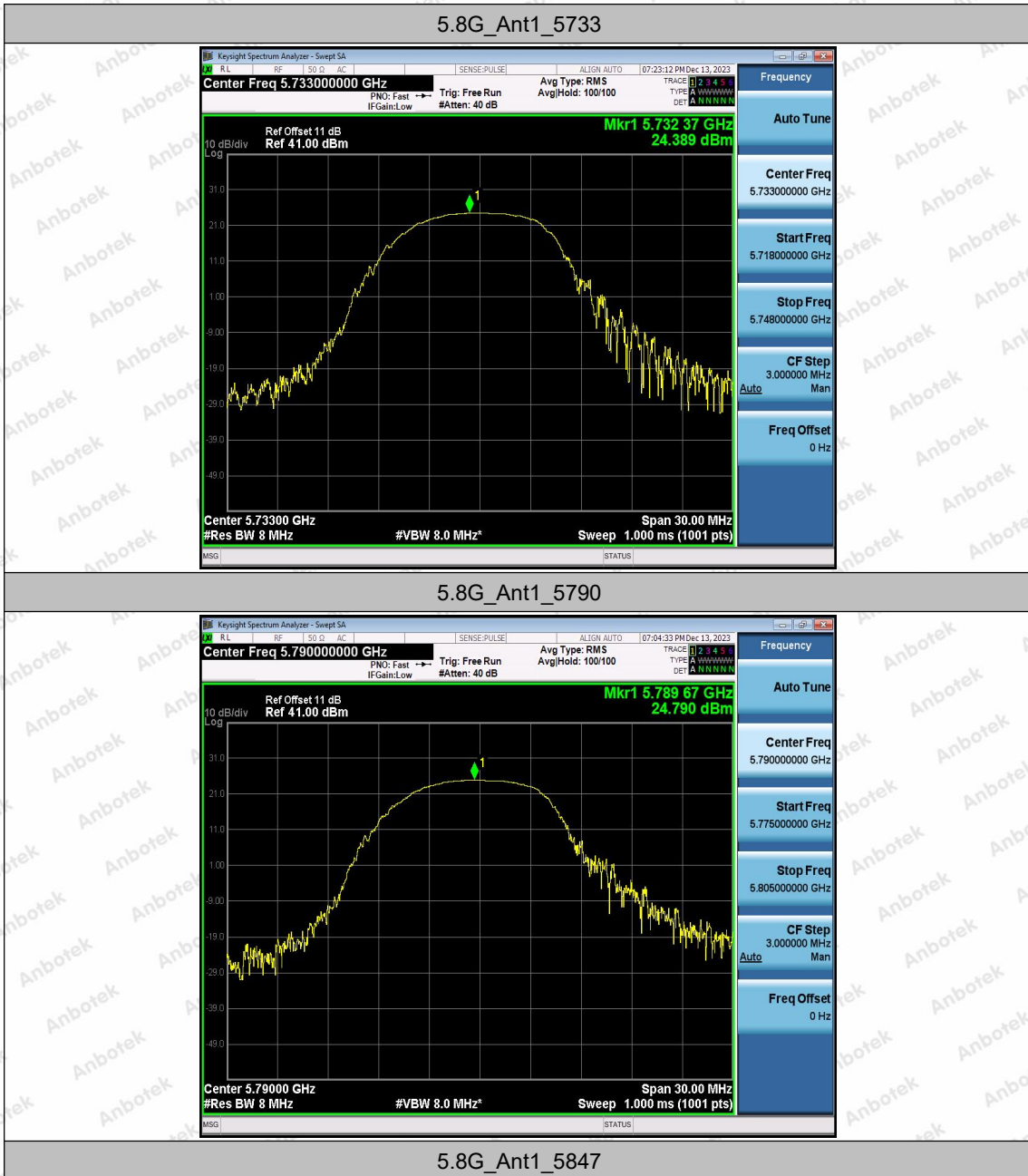
Test Result

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
5.8G	Ant1	5733	---	24.39	100.00	0.00	24.39	≤30.00
		5790	---	24.79	100.00	0.00	24.79	≤30.00
		5847	---	25.39	100.00	0.00	25.39	≤30.00

Note: The Duty Cycle Factor is compensated in the graph.



Test Graphs



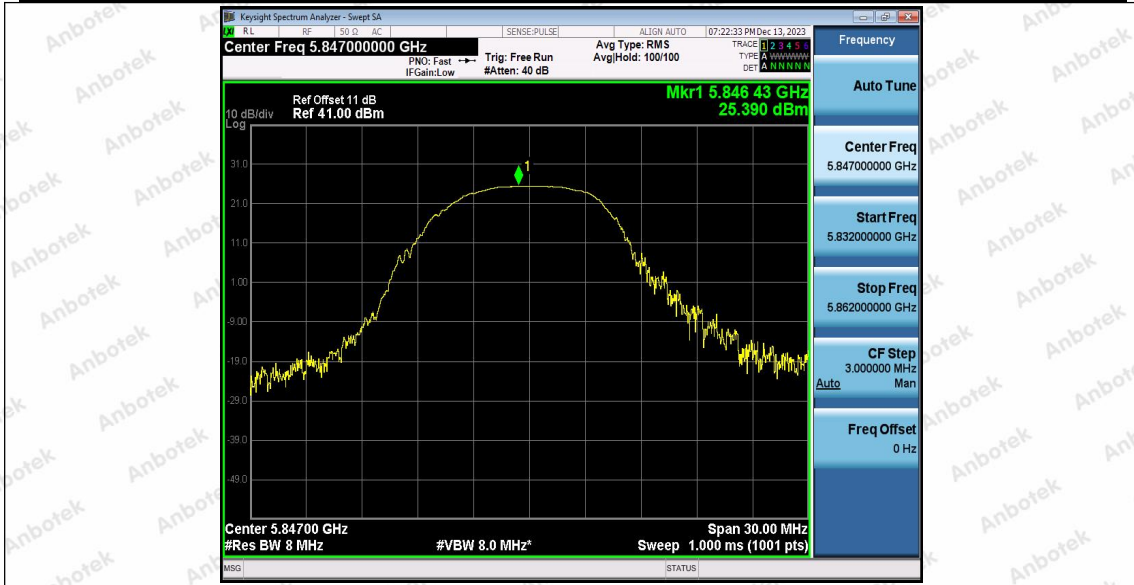
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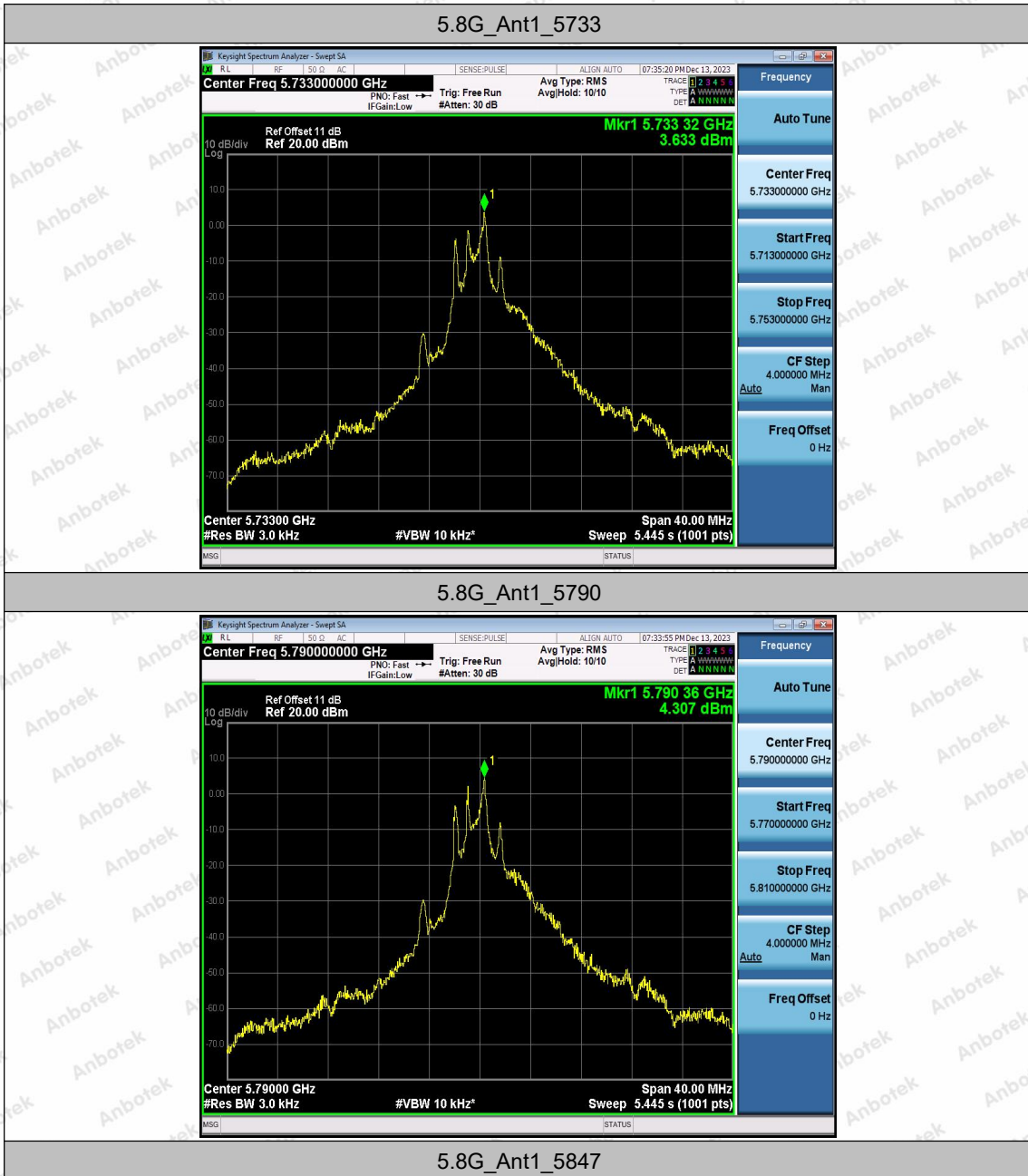
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
5.8G	Ant1	5733	3.63	≤8.00	PASS
		5790	4.31	≤8.00	PASS
		5847	4.57	≤8.00	PASS



Test Graphs



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
5.8G	Ant1	Low	5733	24.97	-38.92	≤4.97	PASS
		High	5847	27.36	-38.56	≤7.36	PASS

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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
5.8G	Ant1	5733	Reference	26.27	26.27	---	PASS
			30~1000	26.27	-37.72	≤6.27	PASS
			1000~26500	26.27	-23.14	≤6.27	PASS
		5790	Reference	26.63	26.63	---	PASS
			30~1000	26.63	-38.15	≤6.63	PASS
			1000~26500	26.63	-24.15	≤6.63	PASS
		5847	Reference	27.07	27.07	---	PASS
			30~1000	27.07	-37.53	≤7.07	PASS
			1000~26500	27.07	-23.53	≤7.07	PASS

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Test Graphs

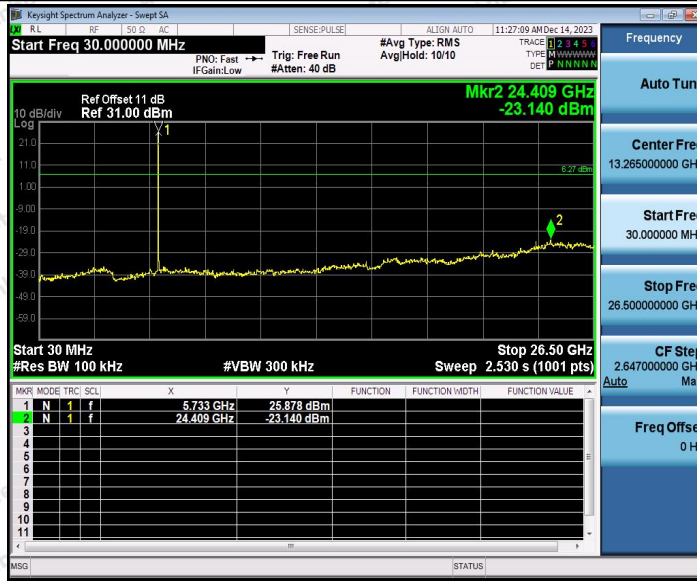


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5.8G_Ant1_5790_0~Reference



5.8G_Ant1_5790_30~1000

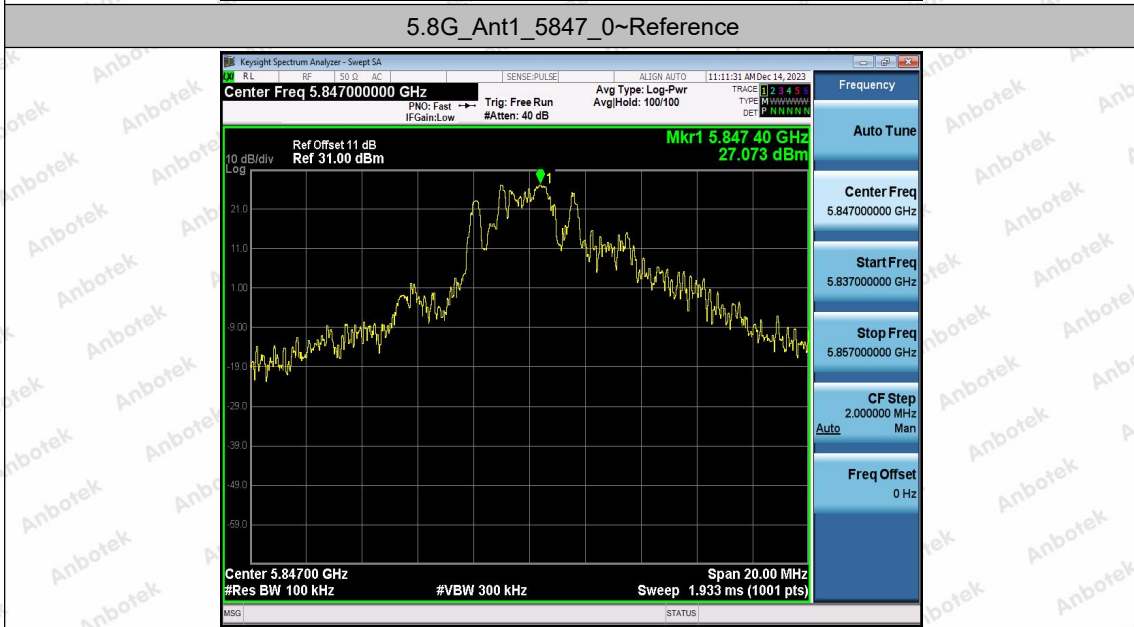
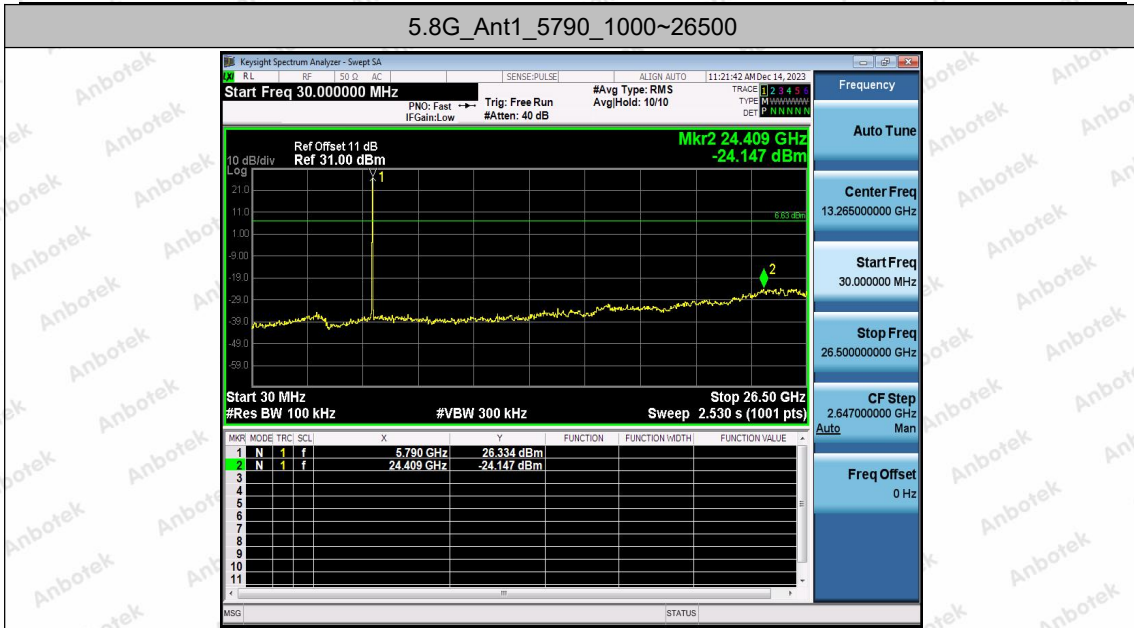


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5.8G_Ant1_5847_30~1000

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5.8G_Ant1_5847_1000~26500



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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
5.8G	Ant1	5733	30.00	30.00	100.00
		5790	30.00	30.00	100.00
		5847	30.00	30.00	100.00

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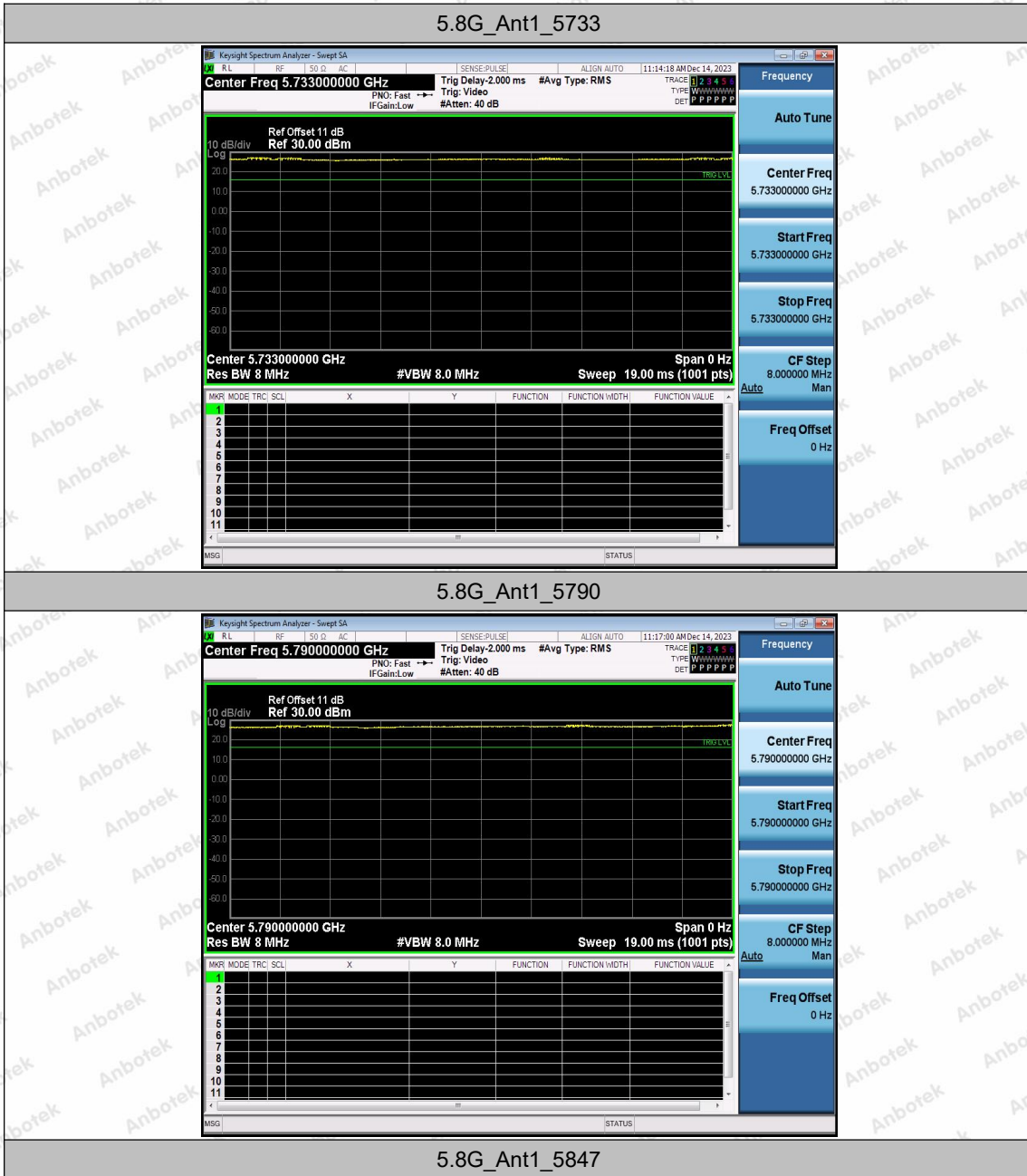
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Test Graphs

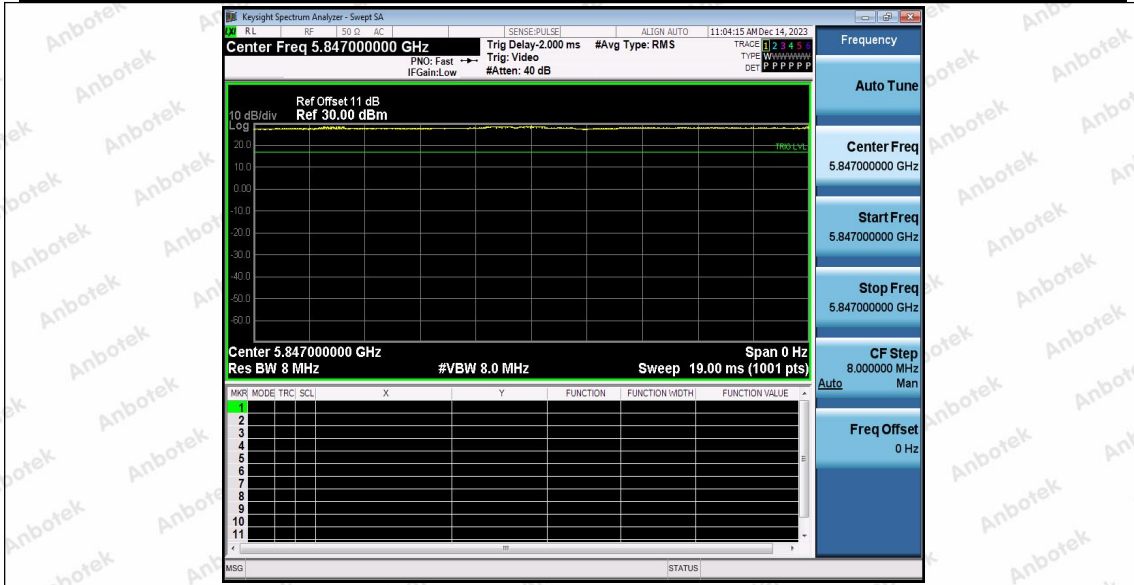


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