

Appendix Test Data

Report No.:	18220WC30165601	Test Sample No.:	1-2-2
Start Test Date:	2023.08.04	Finish Test Date:	2023.08.09
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	1012 hPa		

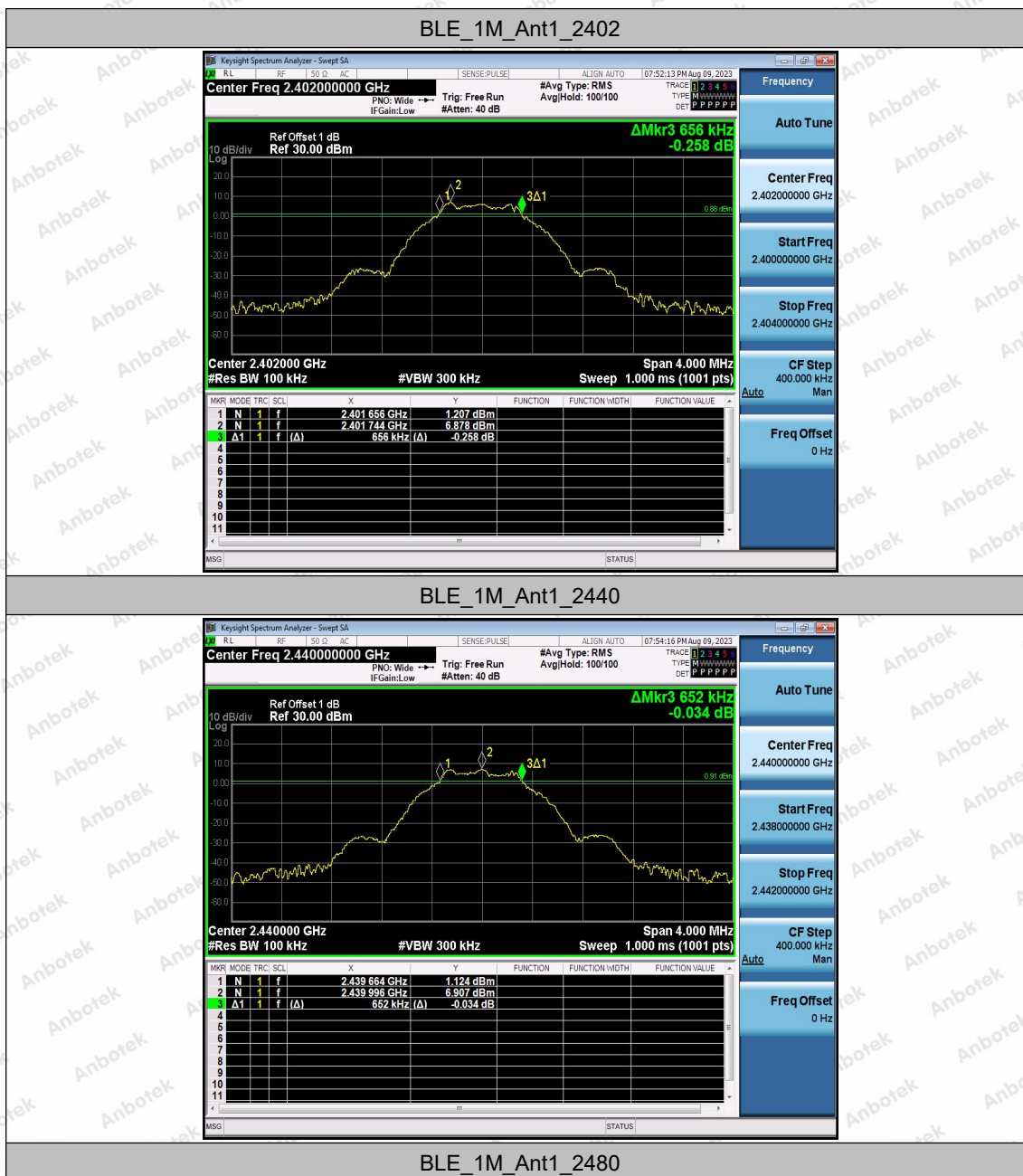
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.656	2402.312	0.5	PASS
		2440	0.652	2439.664	2440.316	0.5	PASS
		2480	0.660	2479.660	2480.320	0.5	PASS



Test Graphs



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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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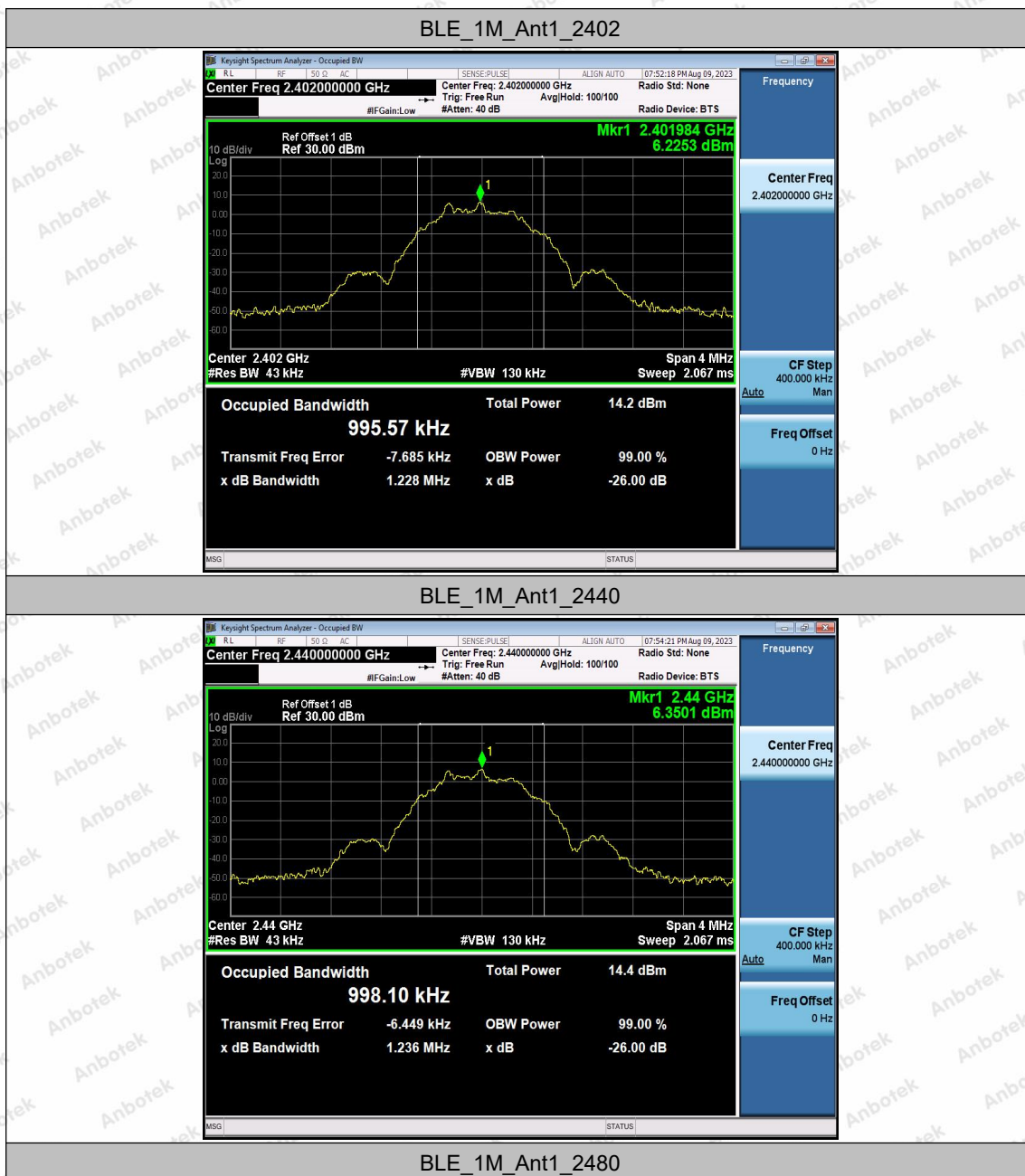
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	0.99557	2401.4945	2402.4901
		2440	0.99810	2439.4945	2440.4926
		2480	1.00410	2479.4917	2480.4958



Test Graphs



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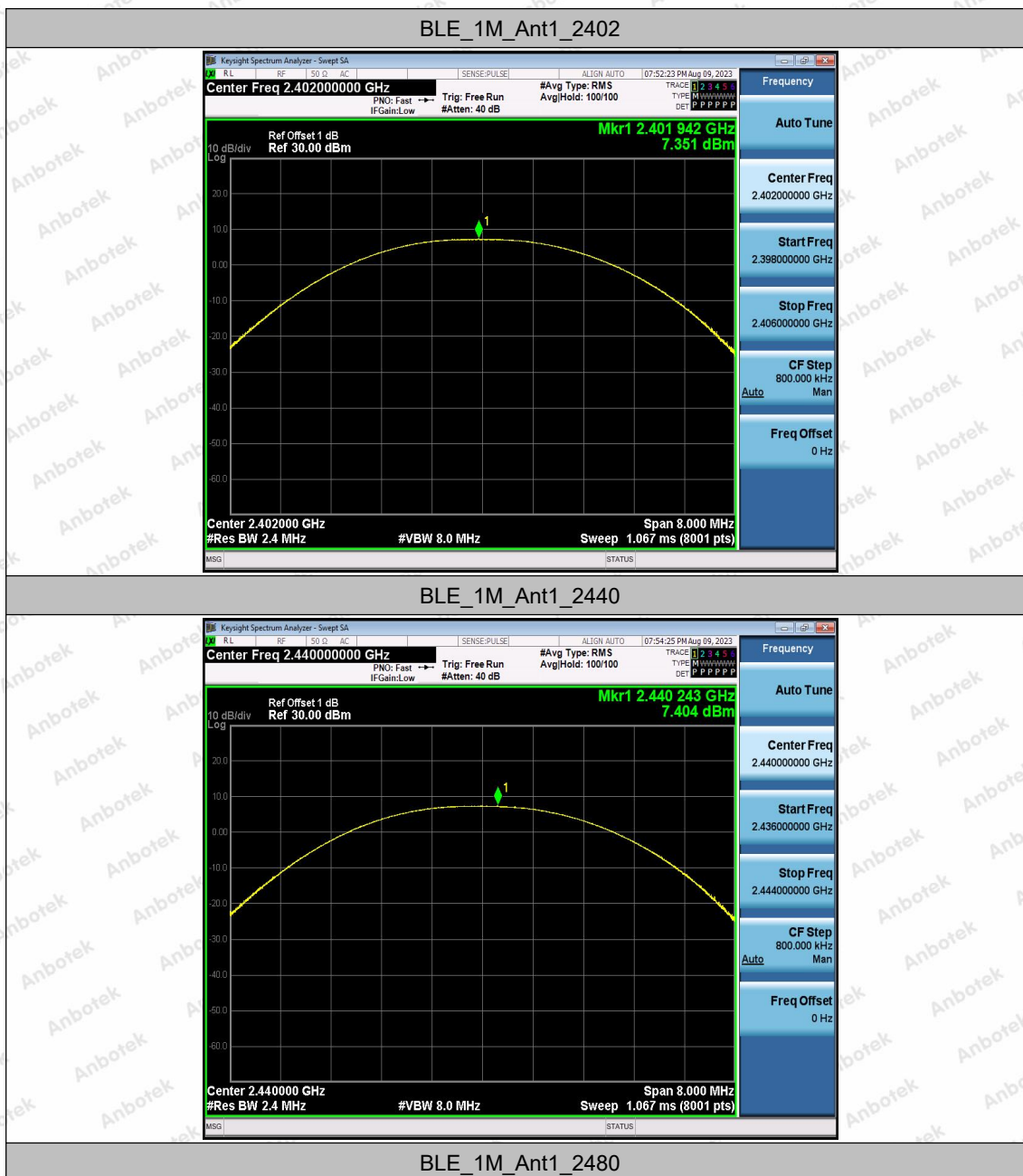
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.35	≤30	PASS
		2440	7.40	≤30	PASS
		2480	7.54	≤30	PASS



Test Graphs Peak



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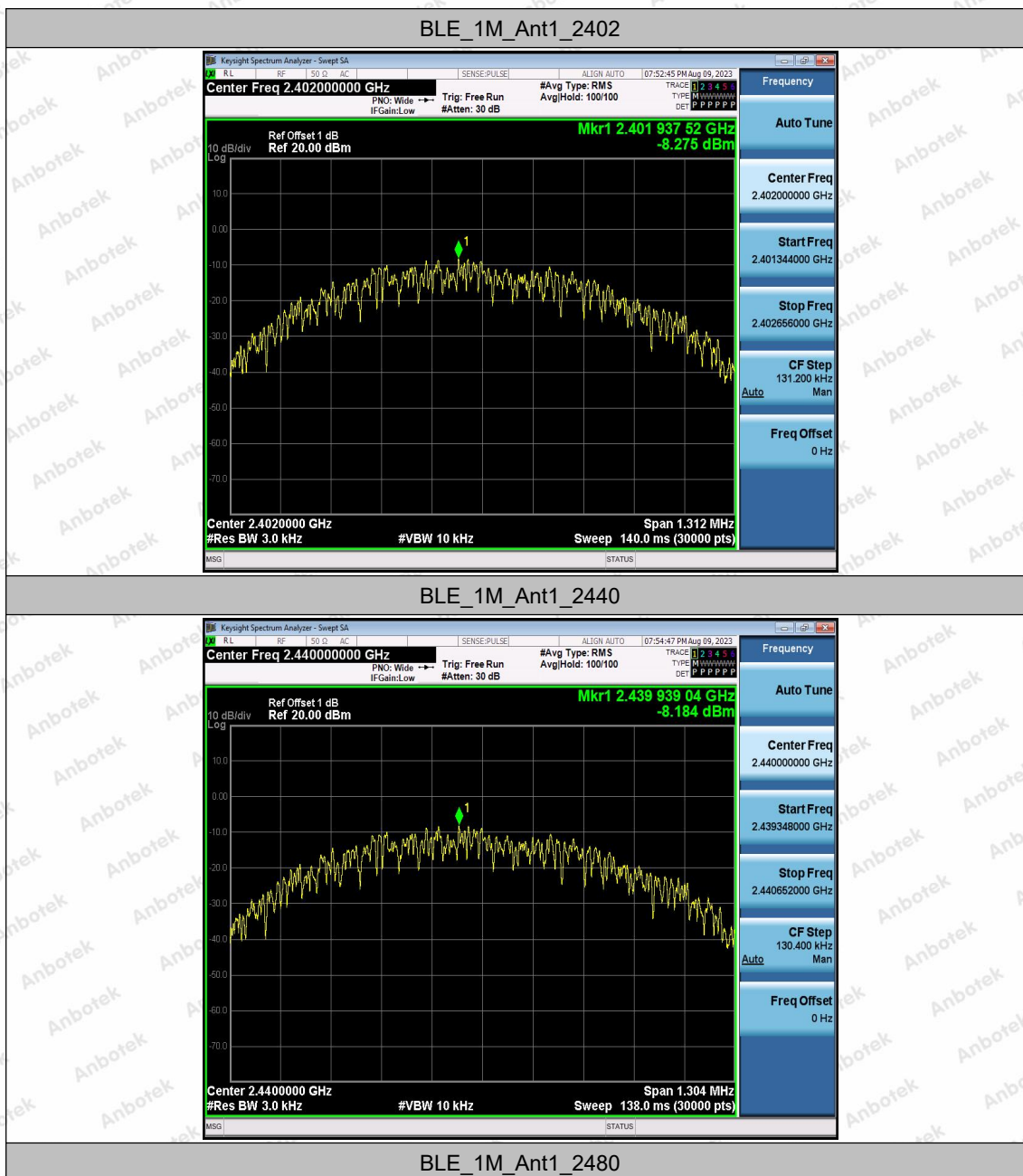
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.28	≤8.00	PASS
		2440	-8.18	≤8.00	PASS
		2480	-8.02	≤8.00	PASS



Test Graphs



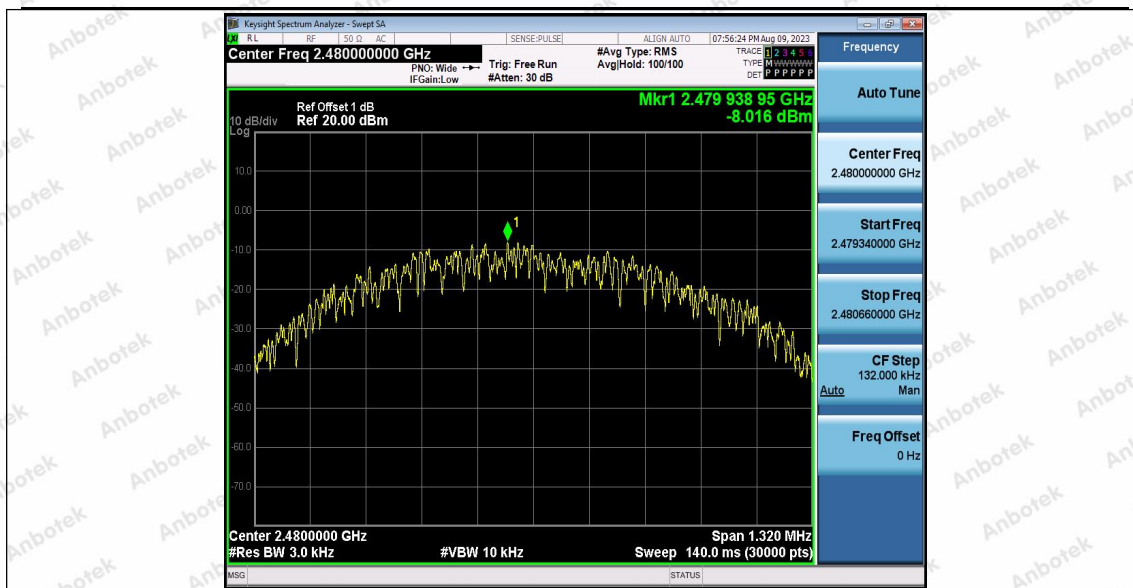
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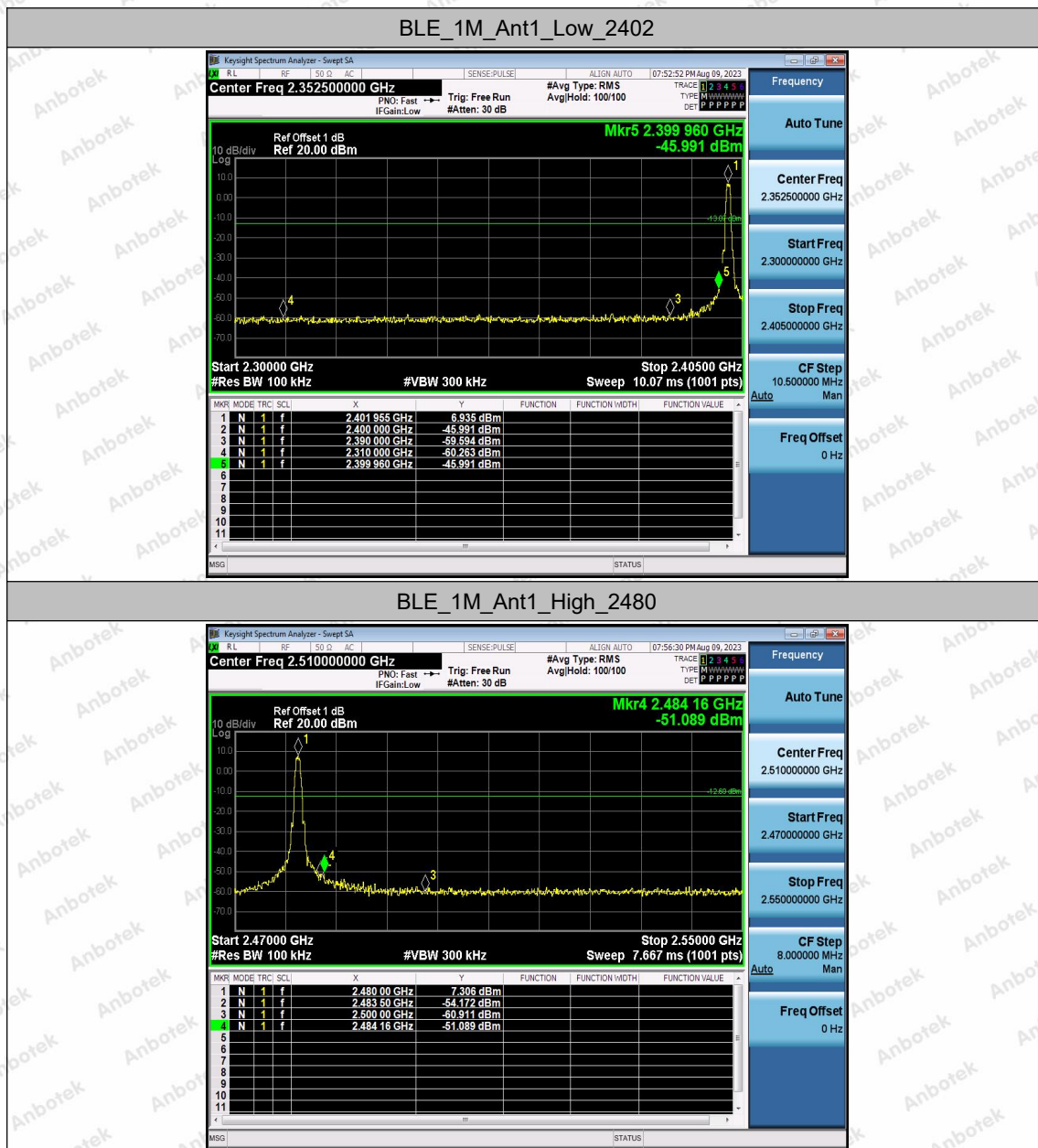


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.94	-45.99	≤-13.07	PASS
		High	2480	7.31	-51.09	≤-12.69	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.89	6.89	---	PASS
			30~1000	6.89	-69.12	≤-13.11	PASS
			1000~26500	6.89	-23.03	≤-13.11	PASS
		2440	Reference	6.85	6.85	---	PASS
			30~1000	6.85	-69.83	≤-13.15	PASS
			1000~26500	6.85	-23.73	≤-13.15	PASS
		2480	Reference	6.62	6.62	---	PASS
			30~1000	6.62	-69.51	≤-13.38	PASS
			1000~26500	6.62	-20.80	≤-13.38	PASS

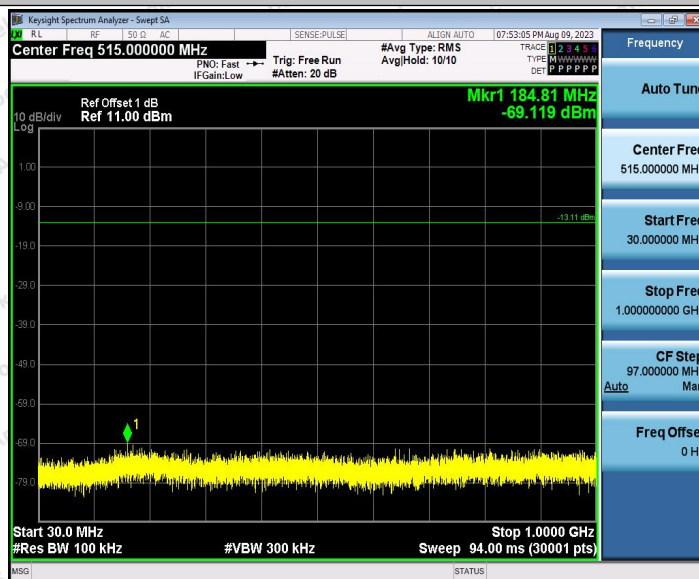


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

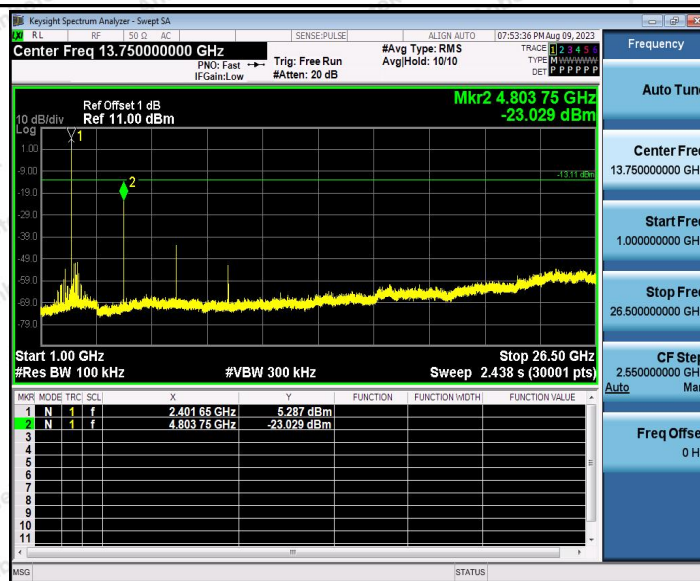
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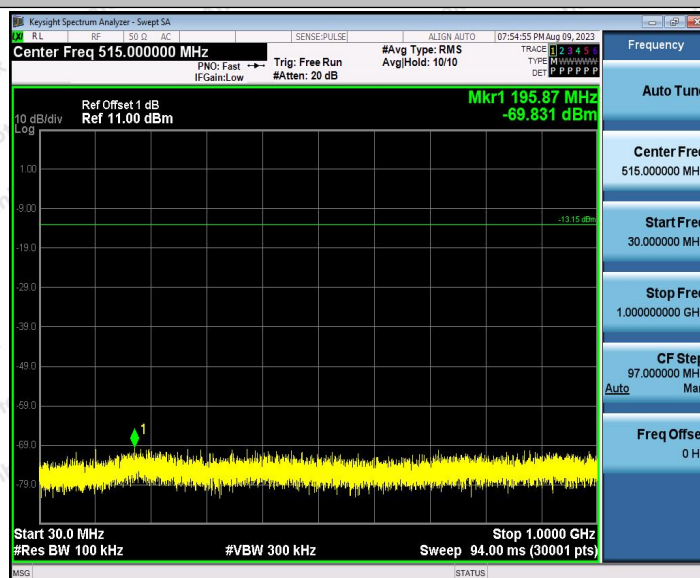




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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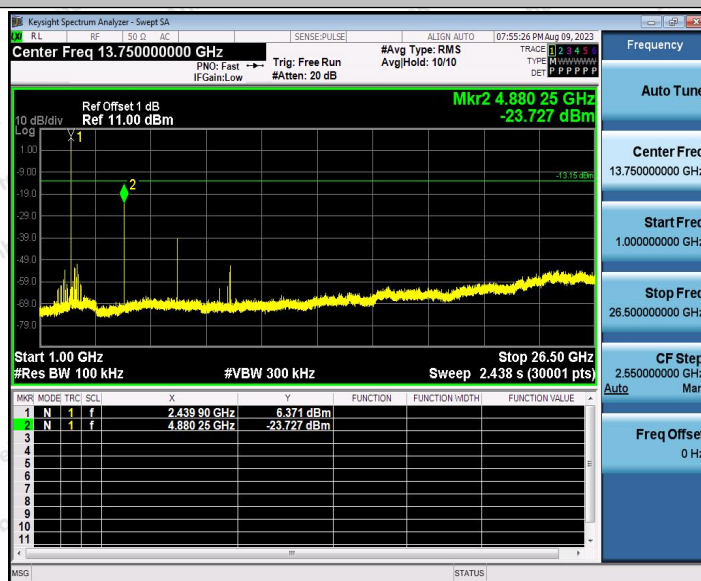
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

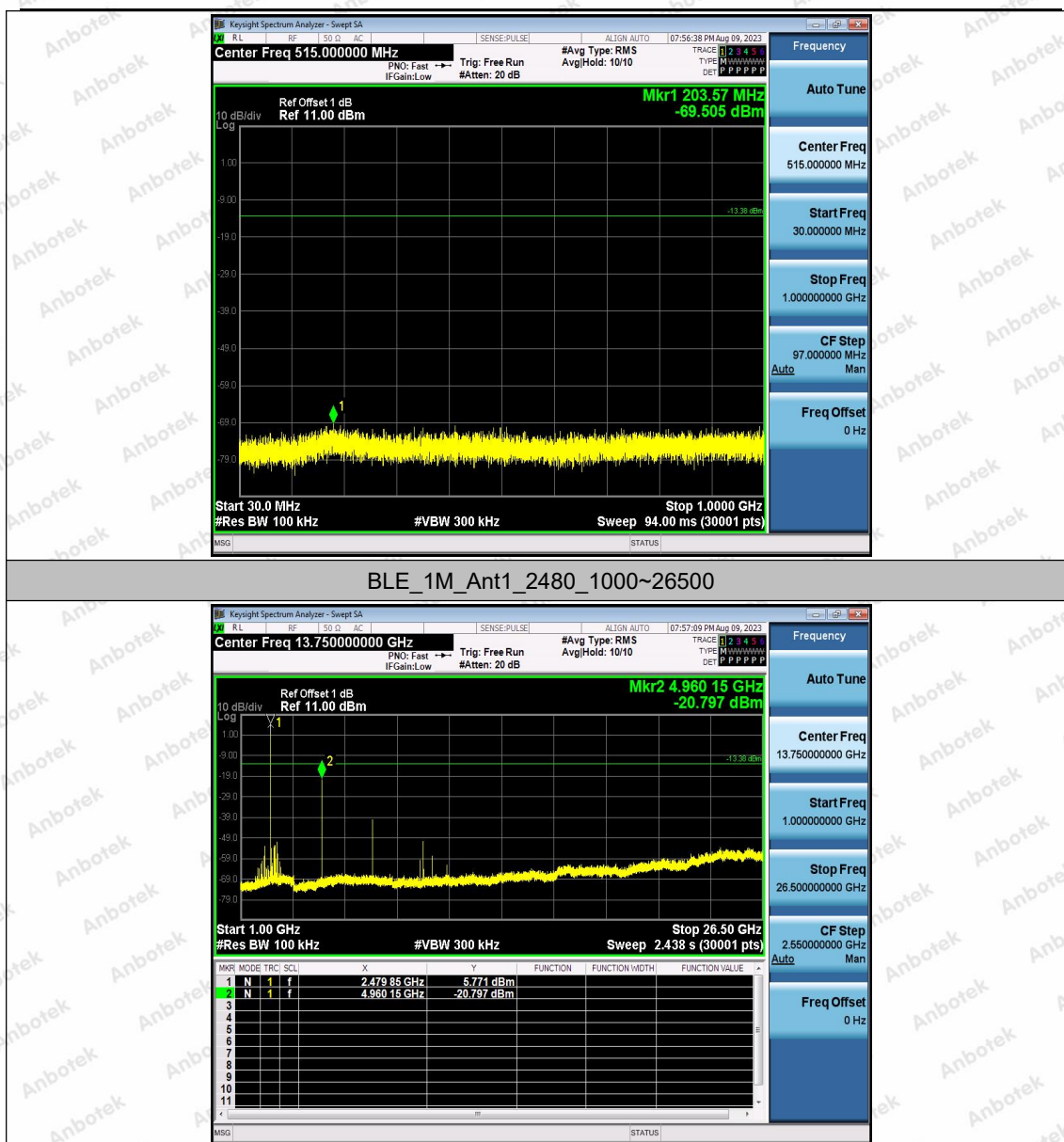
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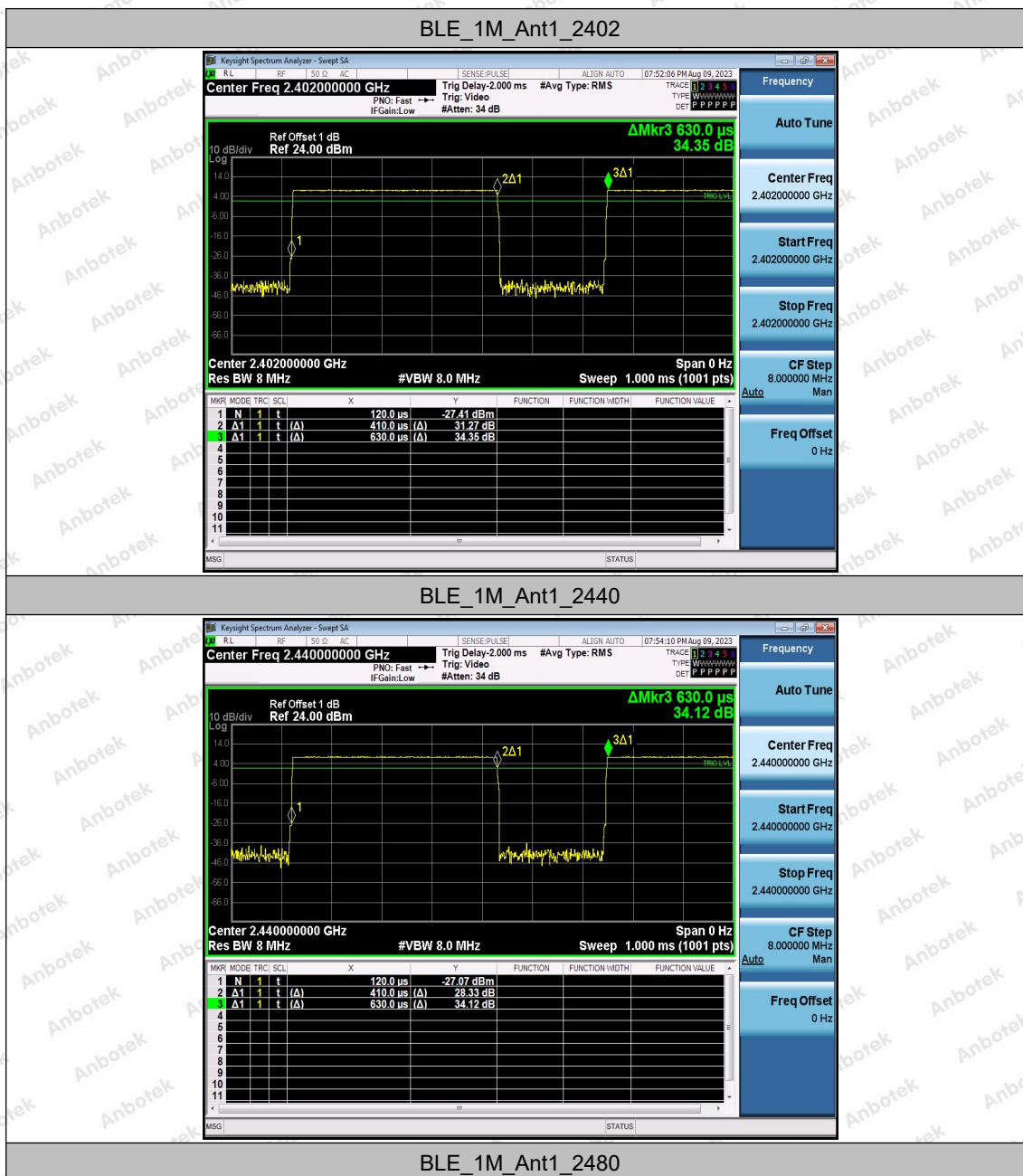
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.63	65.08	1.87
		2440	0.41	0.63	65.08	1.87
		2480	0.41	0.63	65.08	1.87



Test Graphs



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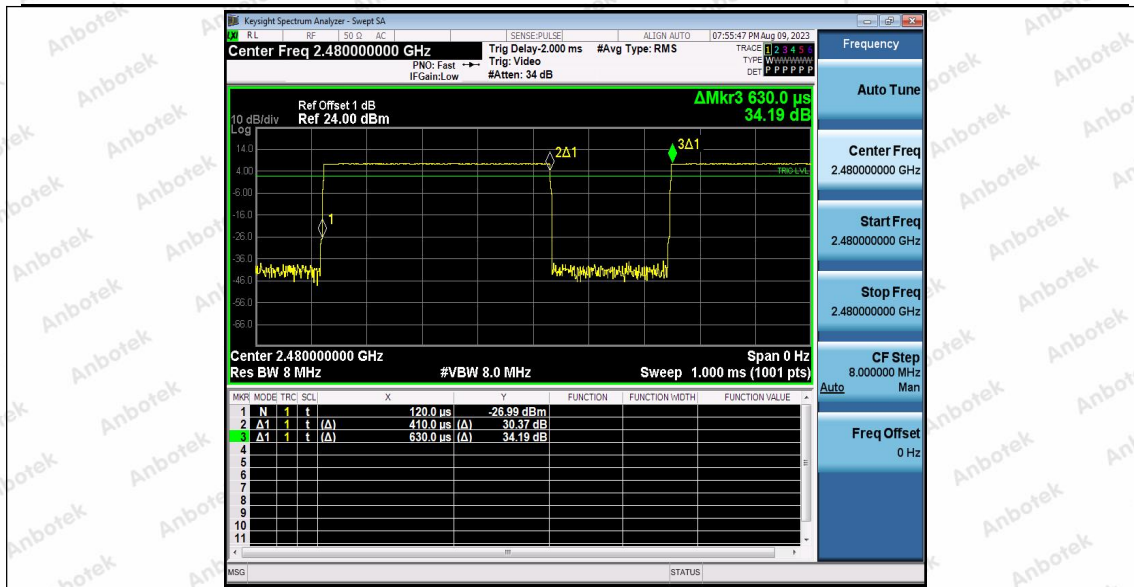


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