

Appendix Test Data

Report No.:	18220WC30266101	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:	24.6°C	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.640	2402.348	0.5	PASS
		2440	0.712	2439.648	2440.360	0.5	PASS
		2480	0.708	2479.636	2480.344	0.5	PASS

Test Graphs



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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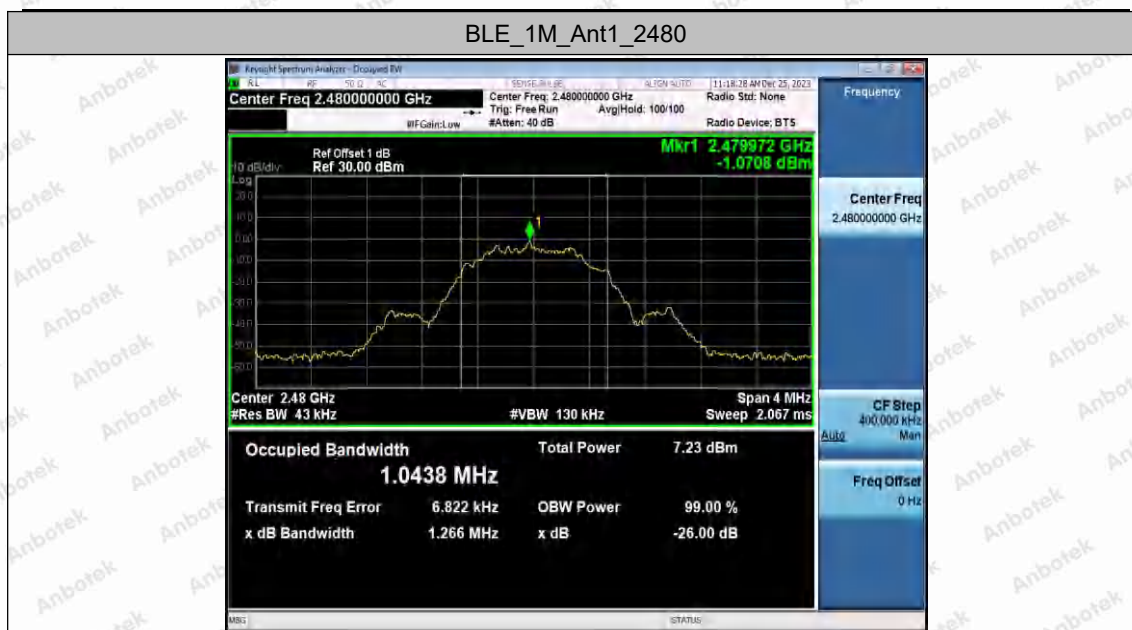
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0446	2401.4846	2402.5292
		2440	1.0446	2439.4844	2440.5290
		2480	1.0438	2479.4849	2480.5287

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
BLE_1M	Ant1	2402	0.68	≤30	PASS
		2440	0.71	≤30	PASS
		2480	0.93	≤30	PASS

Test Graphs Peak



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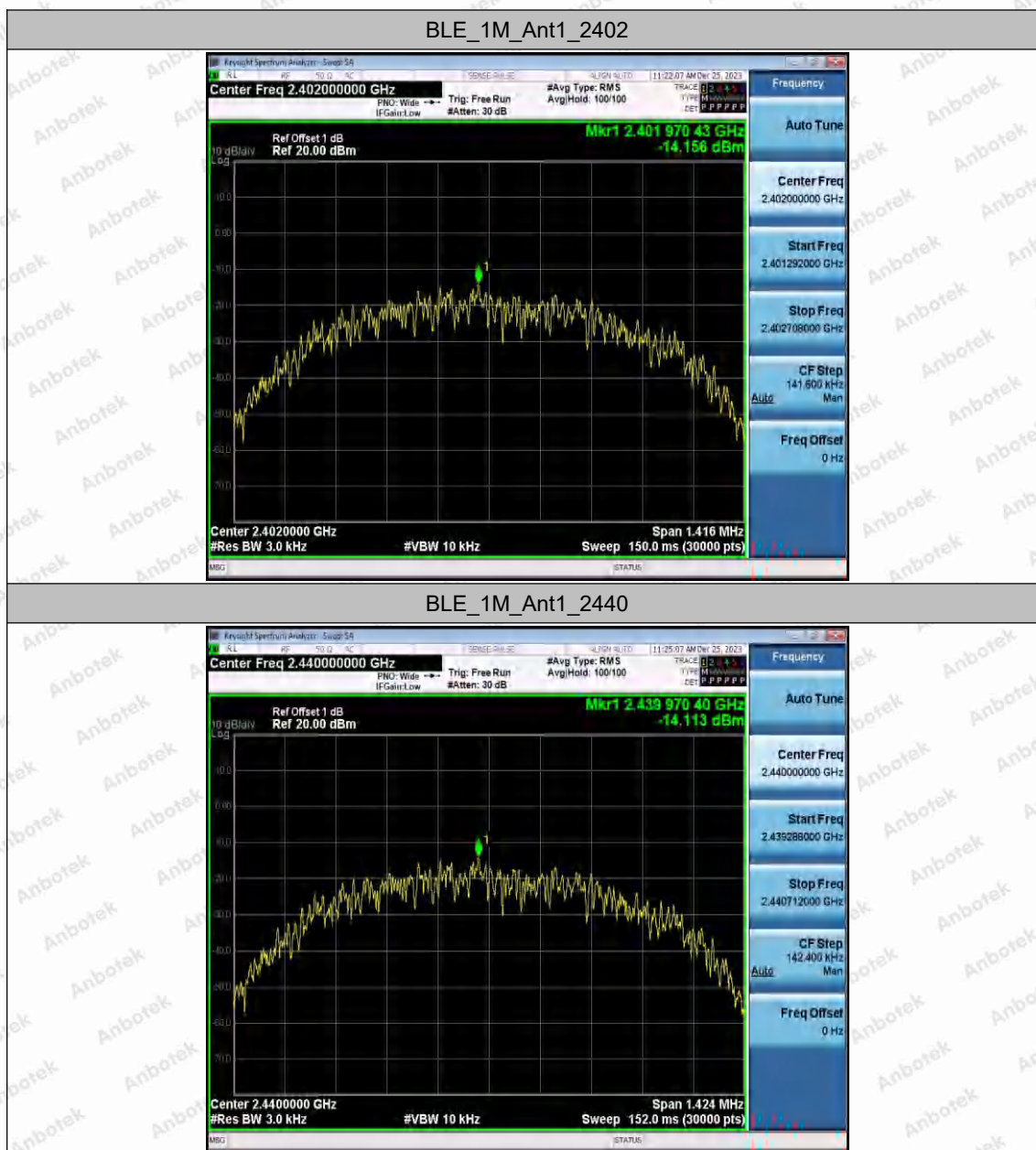


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.16	≤8.00	PASS
		2440	-14.11	≤8.00	PASS
		2480	-13.85	≤8.00	PASS

Test Graphs



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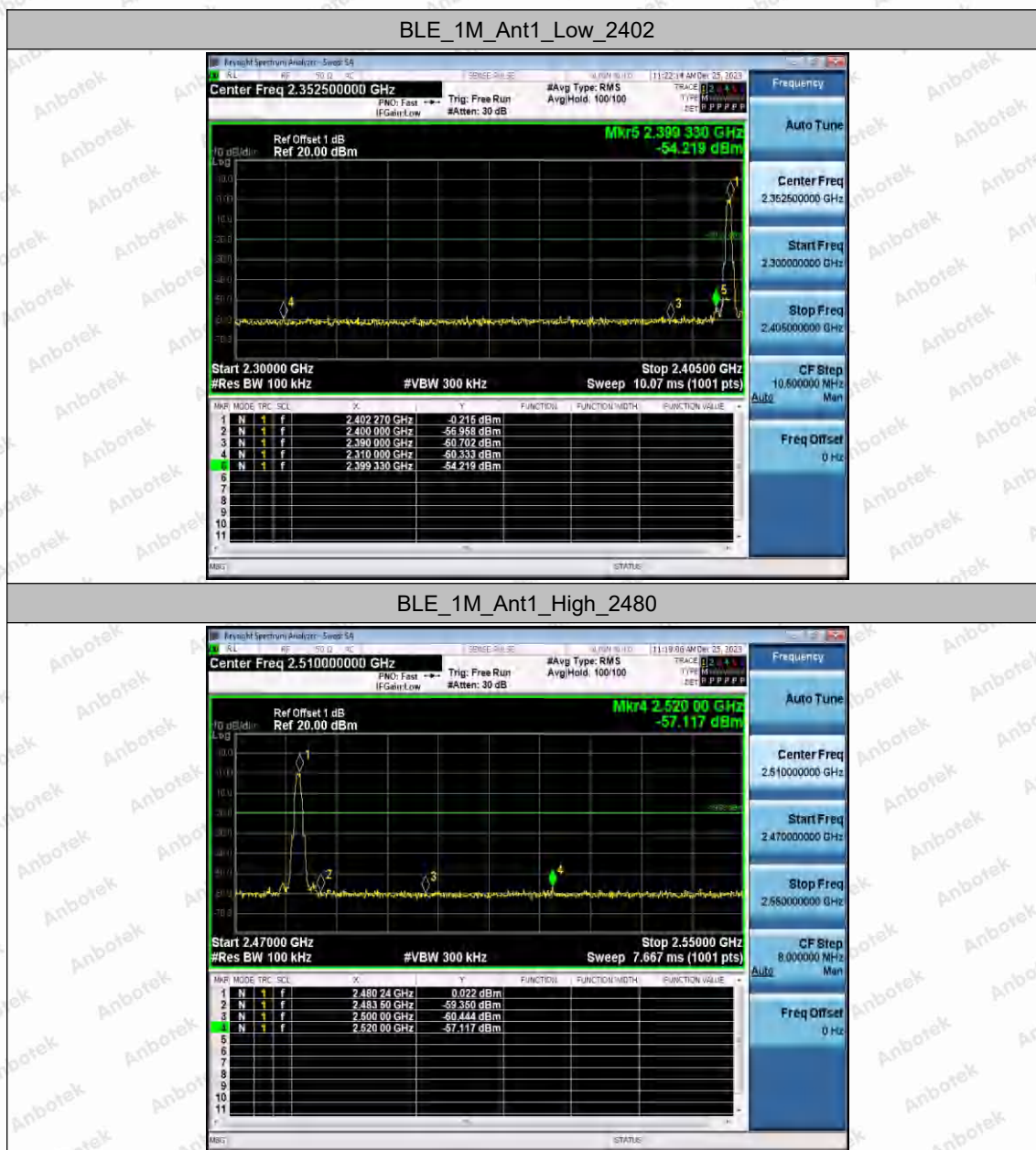


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.22	-54.22	≤-20.22	PASS
		High	2480	0.02	-57.12	≤-19.98	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	-0.23	-0.23	---	PASS
			30~1000	-0.23	-68.83	≤-20.23	PASS
			1000~26500	-0.23	-53.77	≤-20.23	PASS
		2440	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-68.19	≤-20.17	PASS
			1000~26500	-0.17	-52.72	≤-20.17	PASS
		2480	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-68.6	≤-19.97	PASS
			1000~26500	0.03	-53.54	≤-19.97	PASS

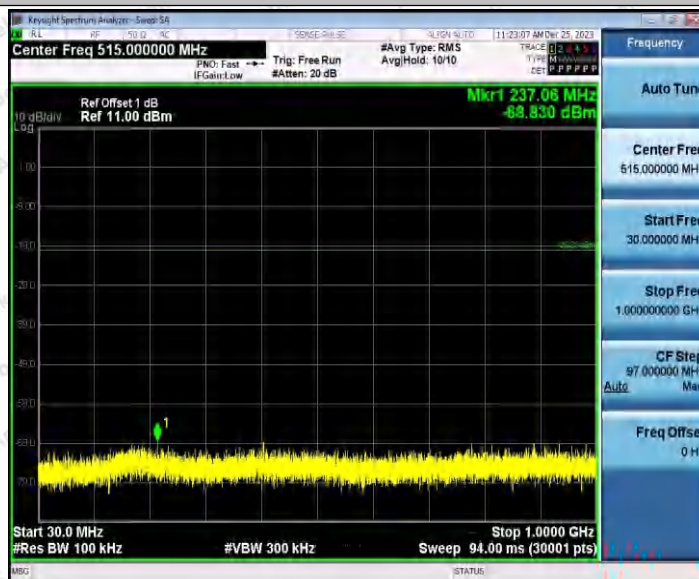


Test Graphs

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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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

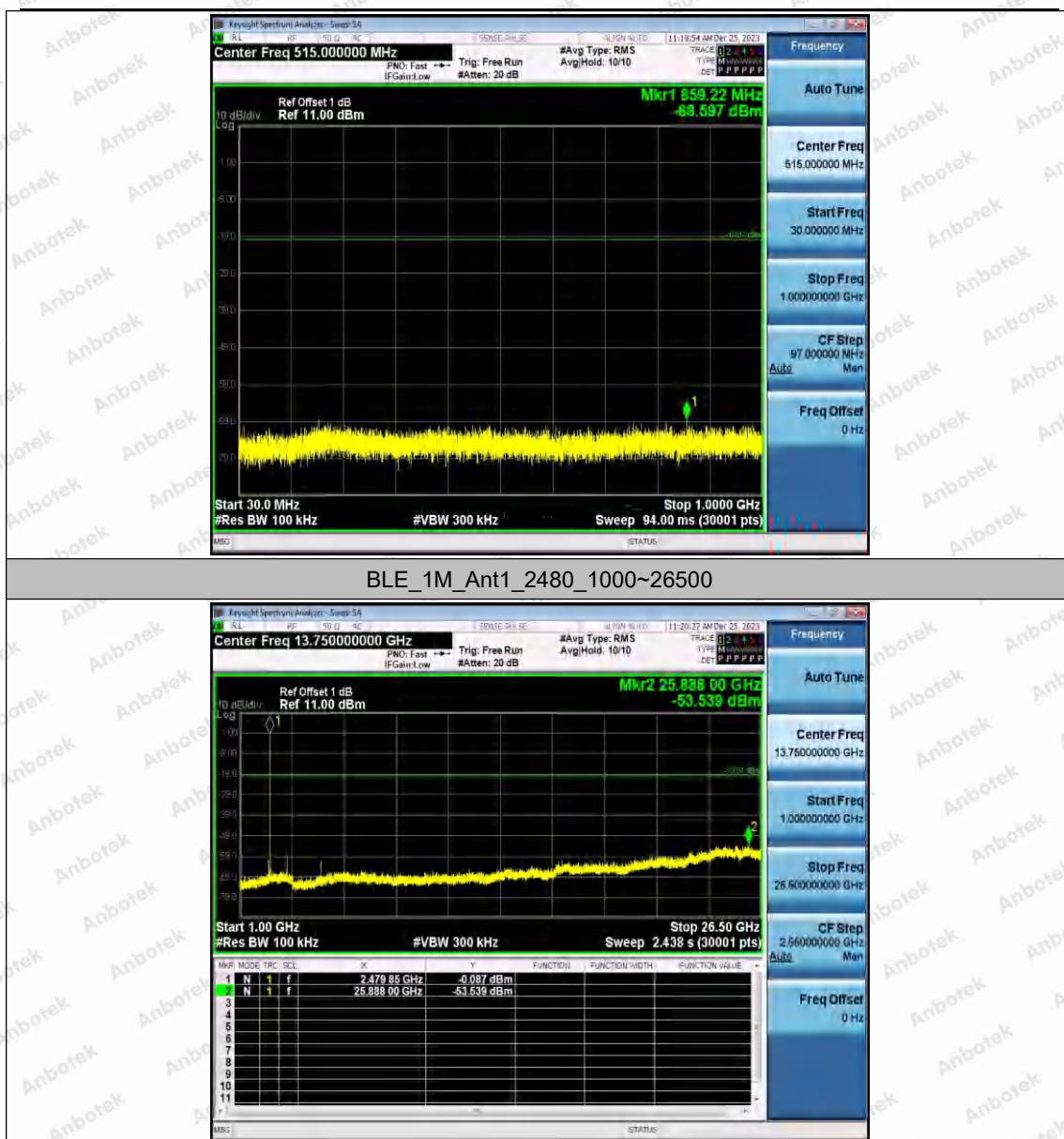
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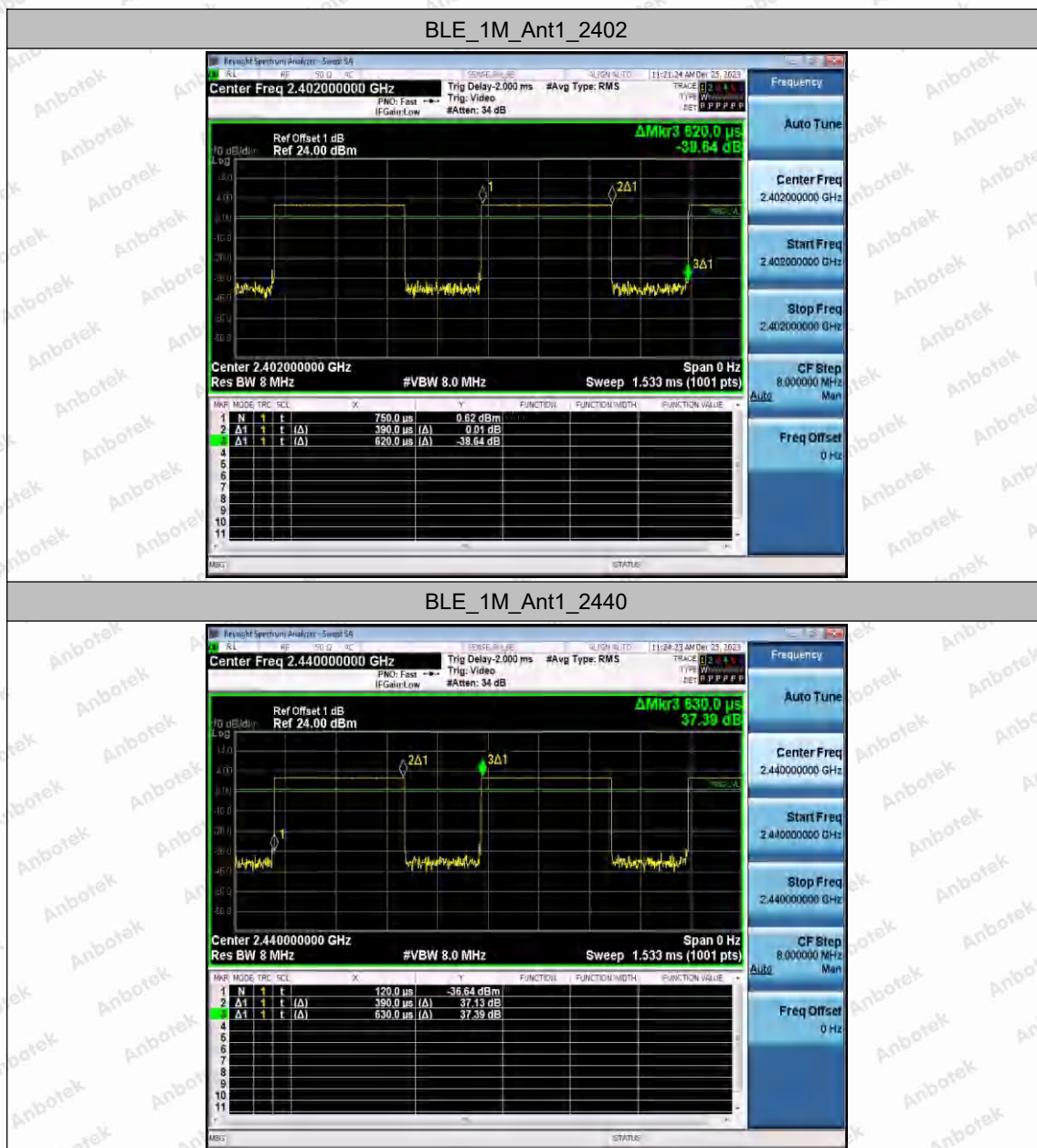


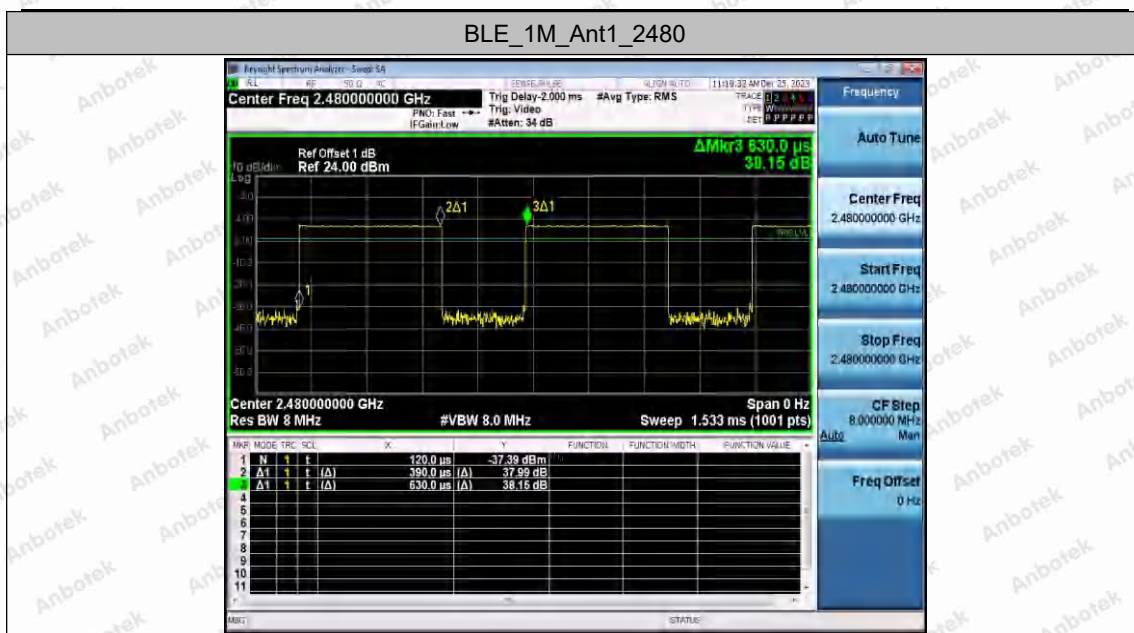
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08

Test Graphs





--End--

