

Appendix Test Data

Report No.:	18220WC30093701	Test Sample No.:	1-2-2
Start Test Date:	2023.05.18	Finish Test Date:	2023.05.23
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	23.6°C	Relative Humidity:	52%
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	0.720	2401.656	2402.376	0.5	PASS
		2440	0.716	2439.664	2440.380	0.5	PASS
		2480	0.756	2479.616	2480.372	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



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	1.7261	2401.0630	2402.7891
		2440	1.5671	2439.1789	2440.7460
		2480	1.3339	2479.2767	2480.6106



Test Graphs



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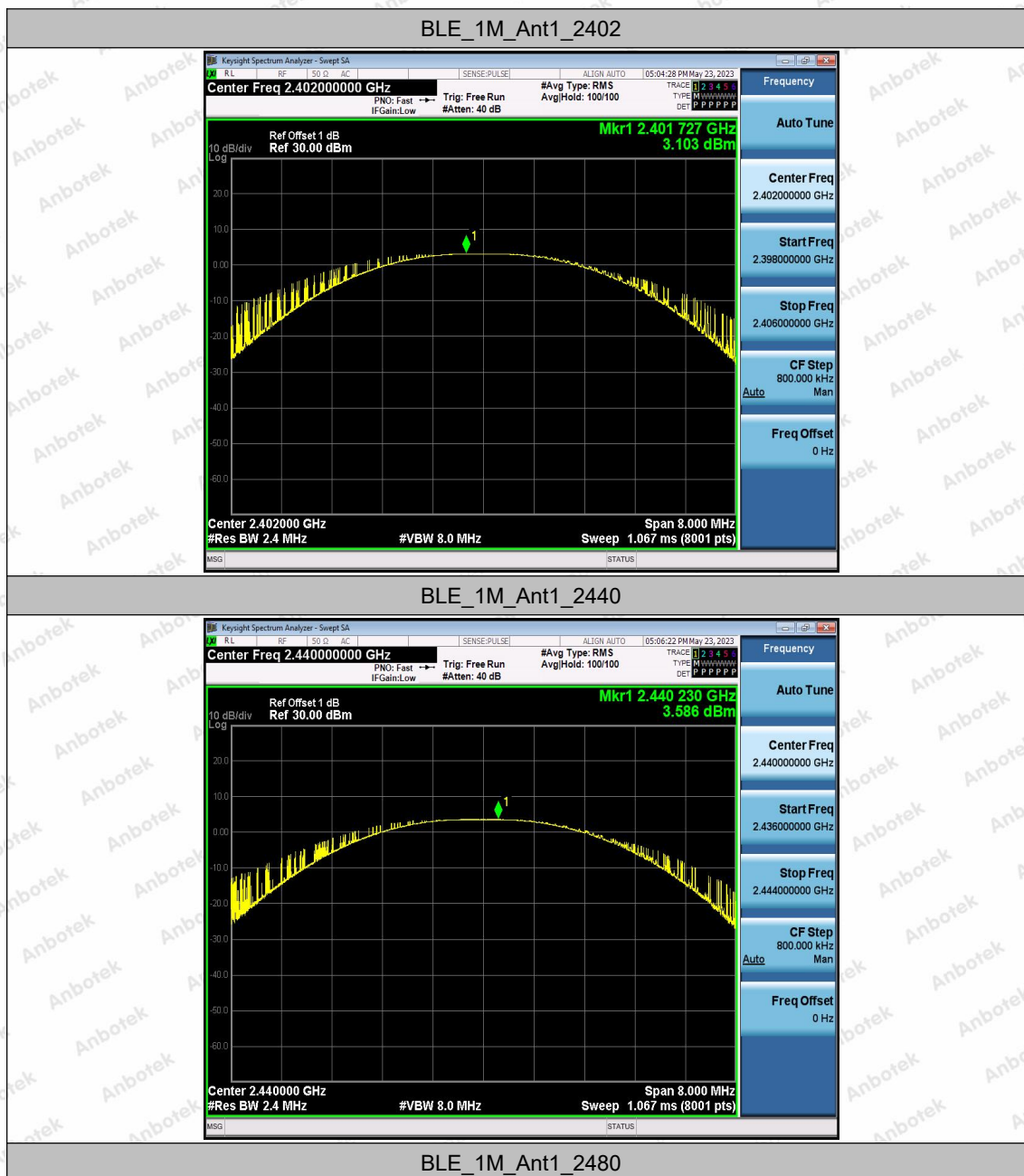
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.1	≤30	PASS
		2440	3.59	≤30	PASS
		2480	4.26	≤30	PASS



Test Graphs Peak



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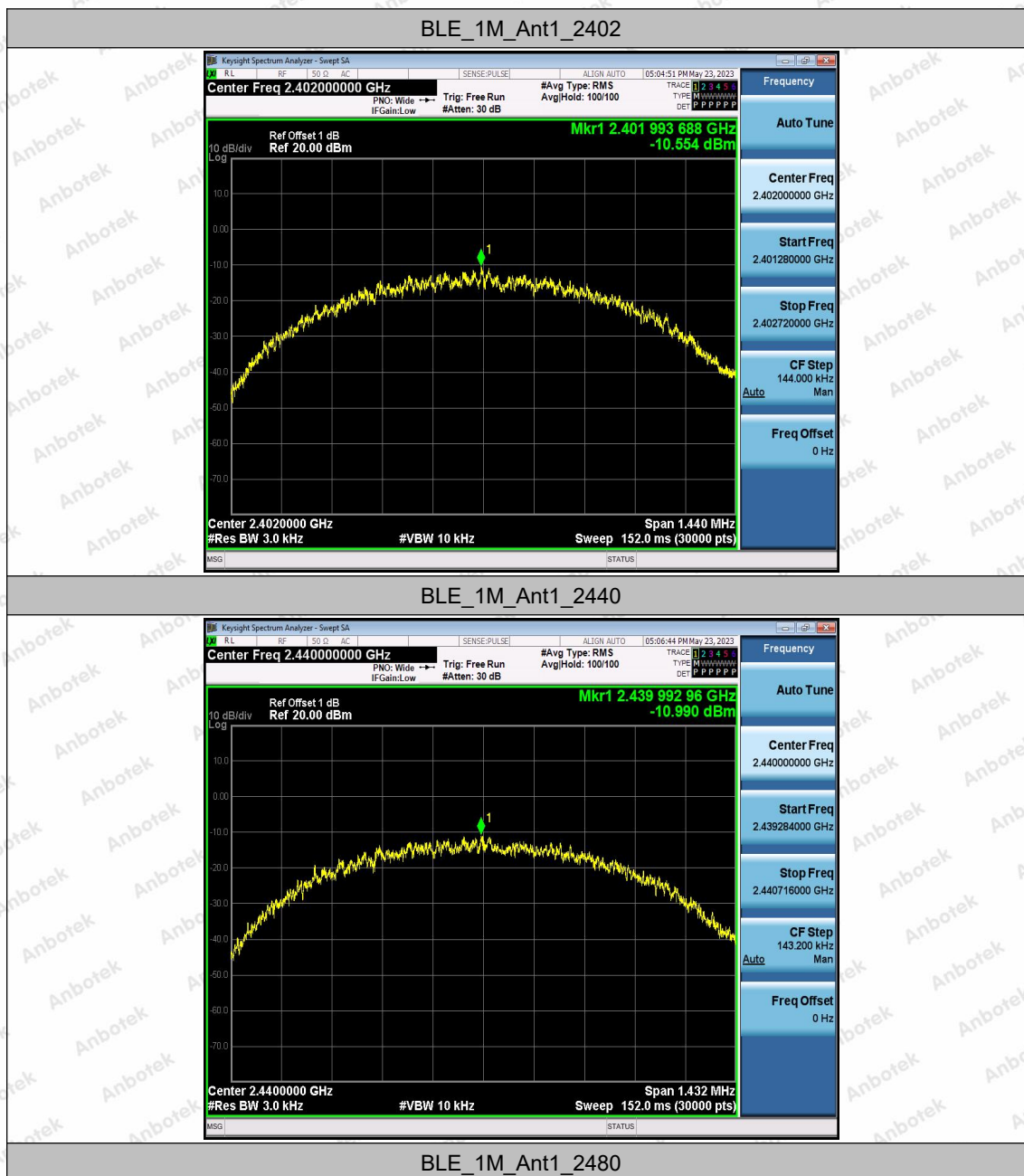
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.55	≤8.00	PASS
		2440	-10.99	≤8.00	PASS
		2480	-9.91	≤8.00	PASS



Test Graphs



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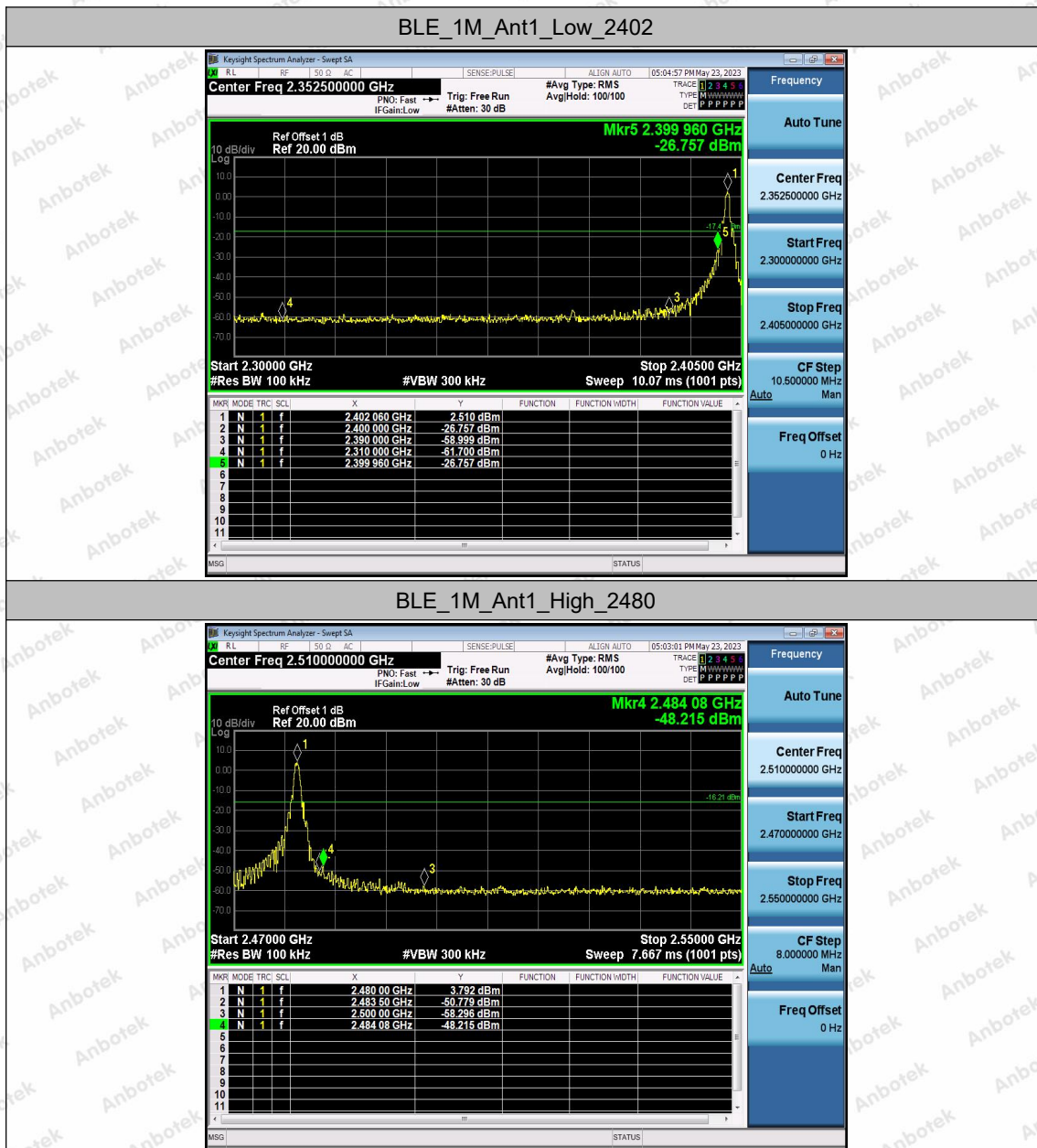
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.51	-26.76	≤-17.49	PASS
		High	2480	3.79	-48.22	≤-16.21	PASS



Test Graphs



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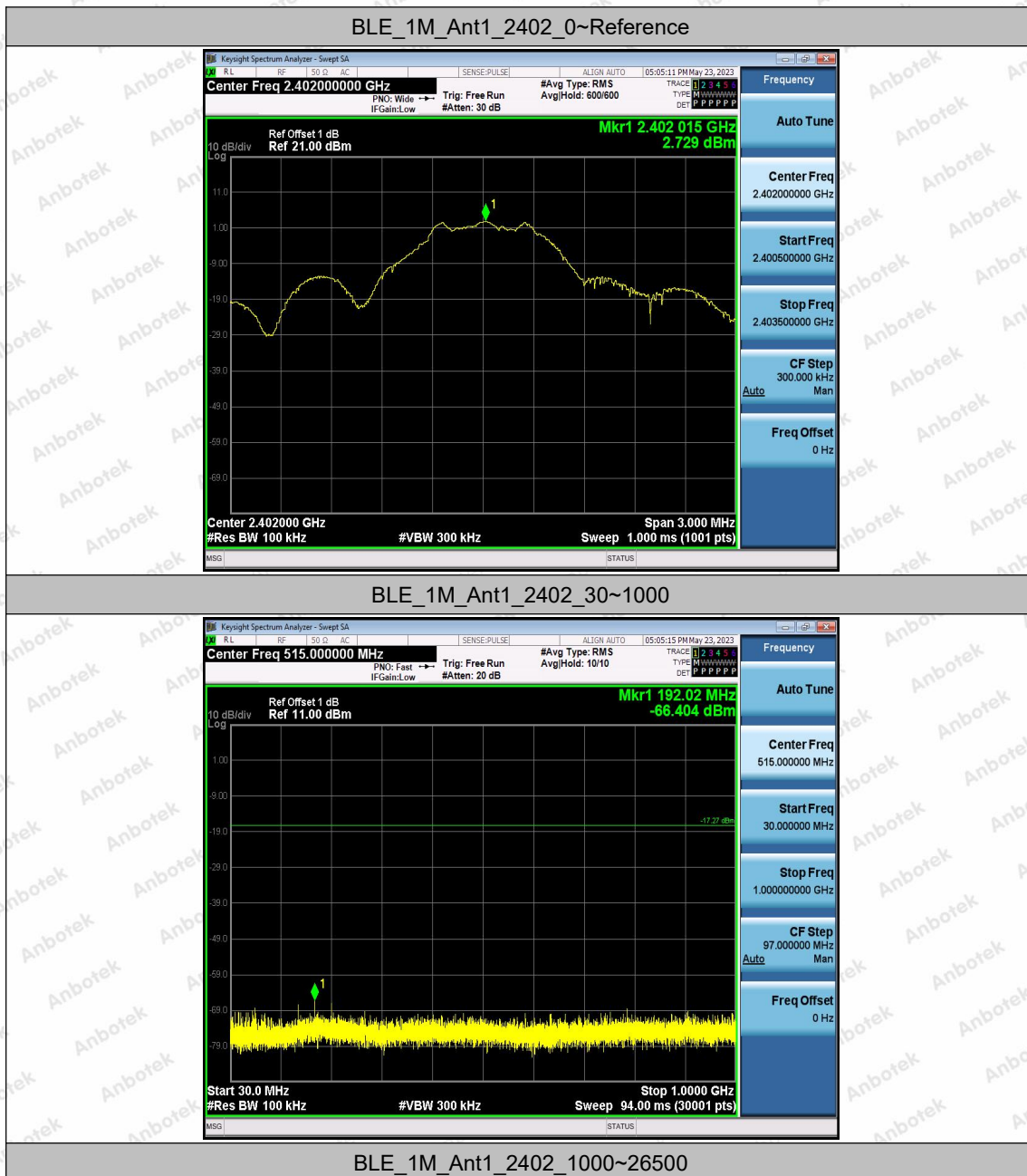
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.73	2.73	---	PASS
			30~1000	2.73	-66.4	≤-17.27	PASS
			1000~26500	2.73	-21.86	≤-17.27	PASS
		2440	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-66.82	≤-17.15	PASS
			1000~26500	2.85	-21.14	≤-17.15	PASS
		2480	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-67.98	≤-16	PASS
			1000~26500	4.00	-19.46	≤-16	PASS



Test Graphs



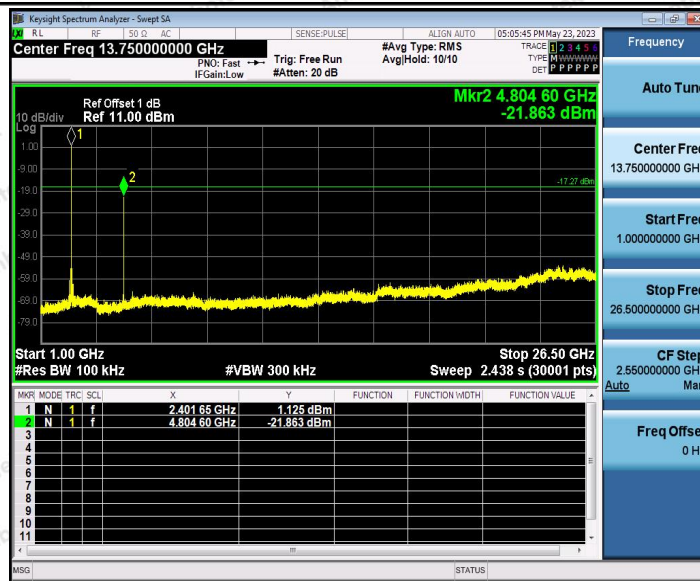
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

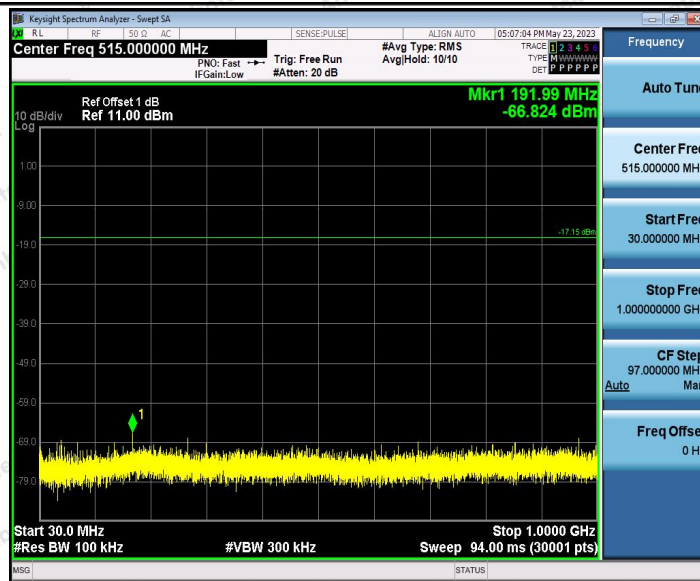
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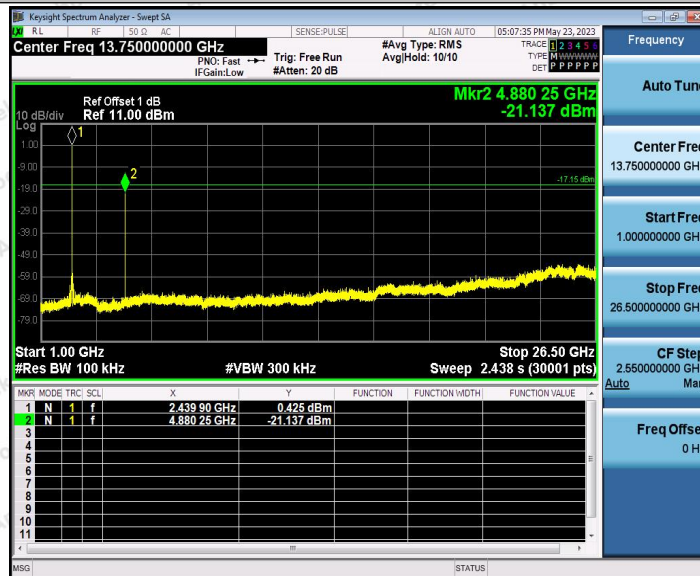


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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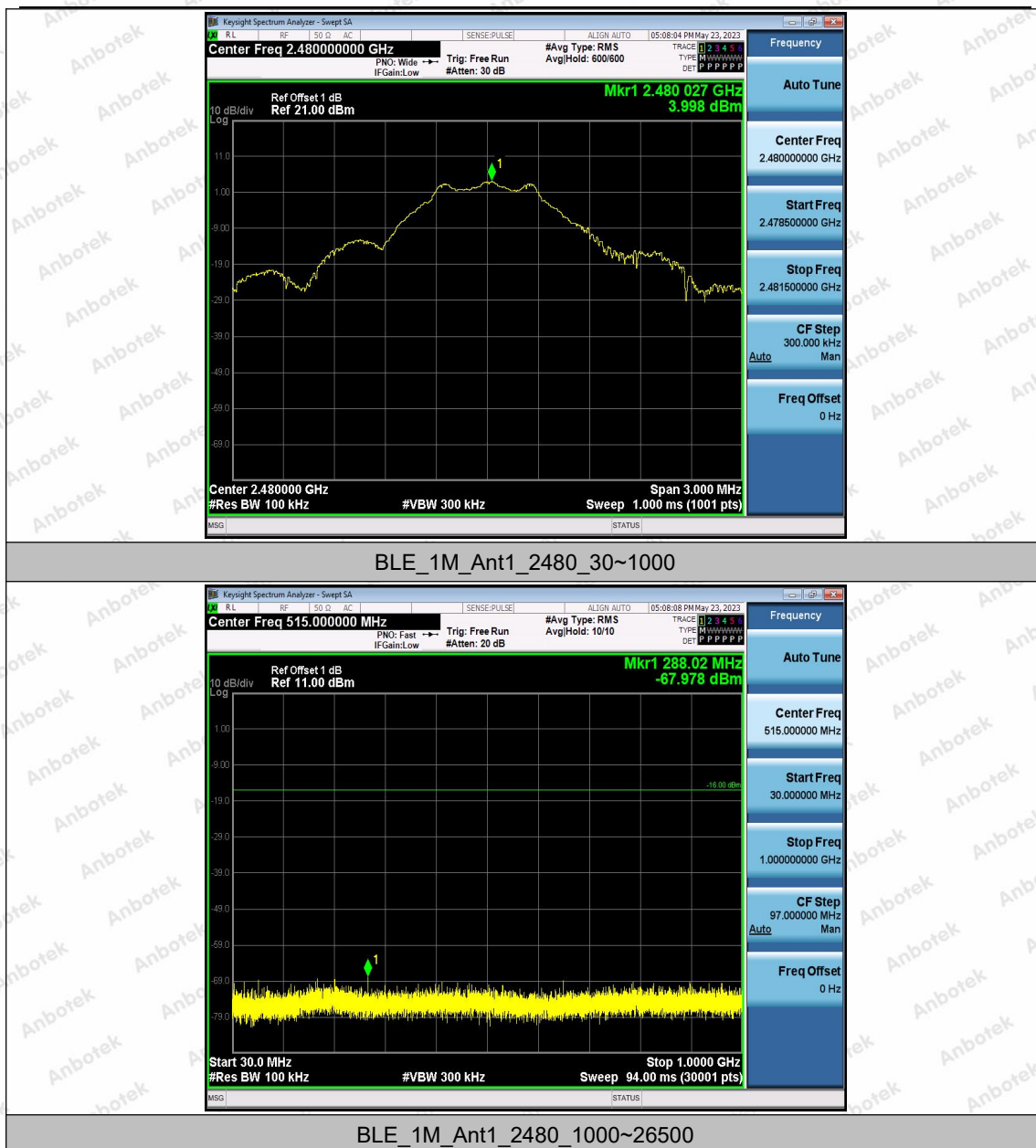


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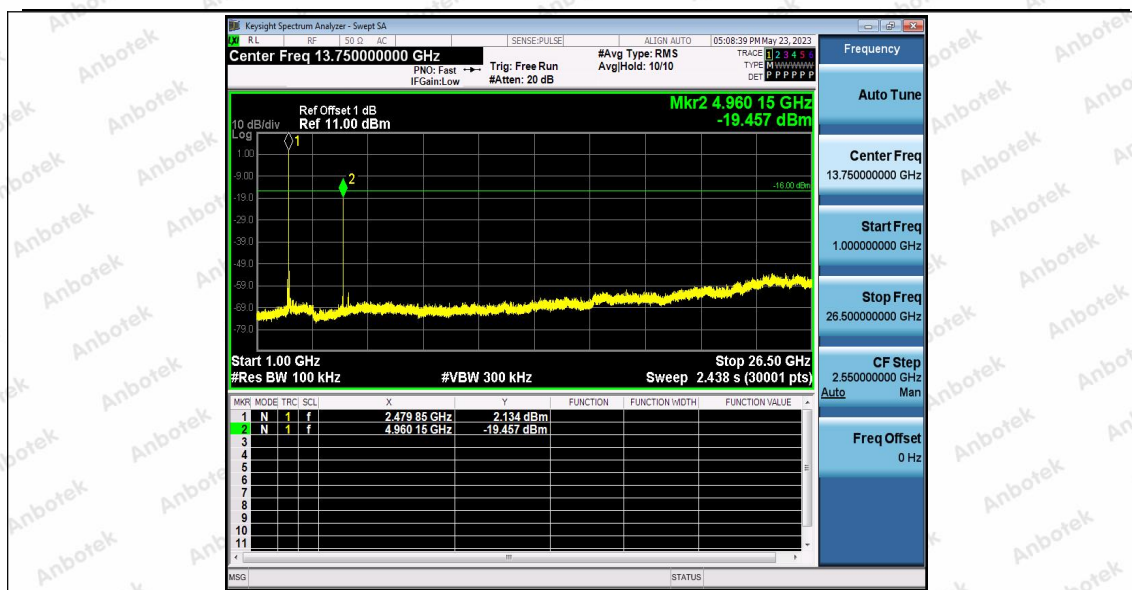
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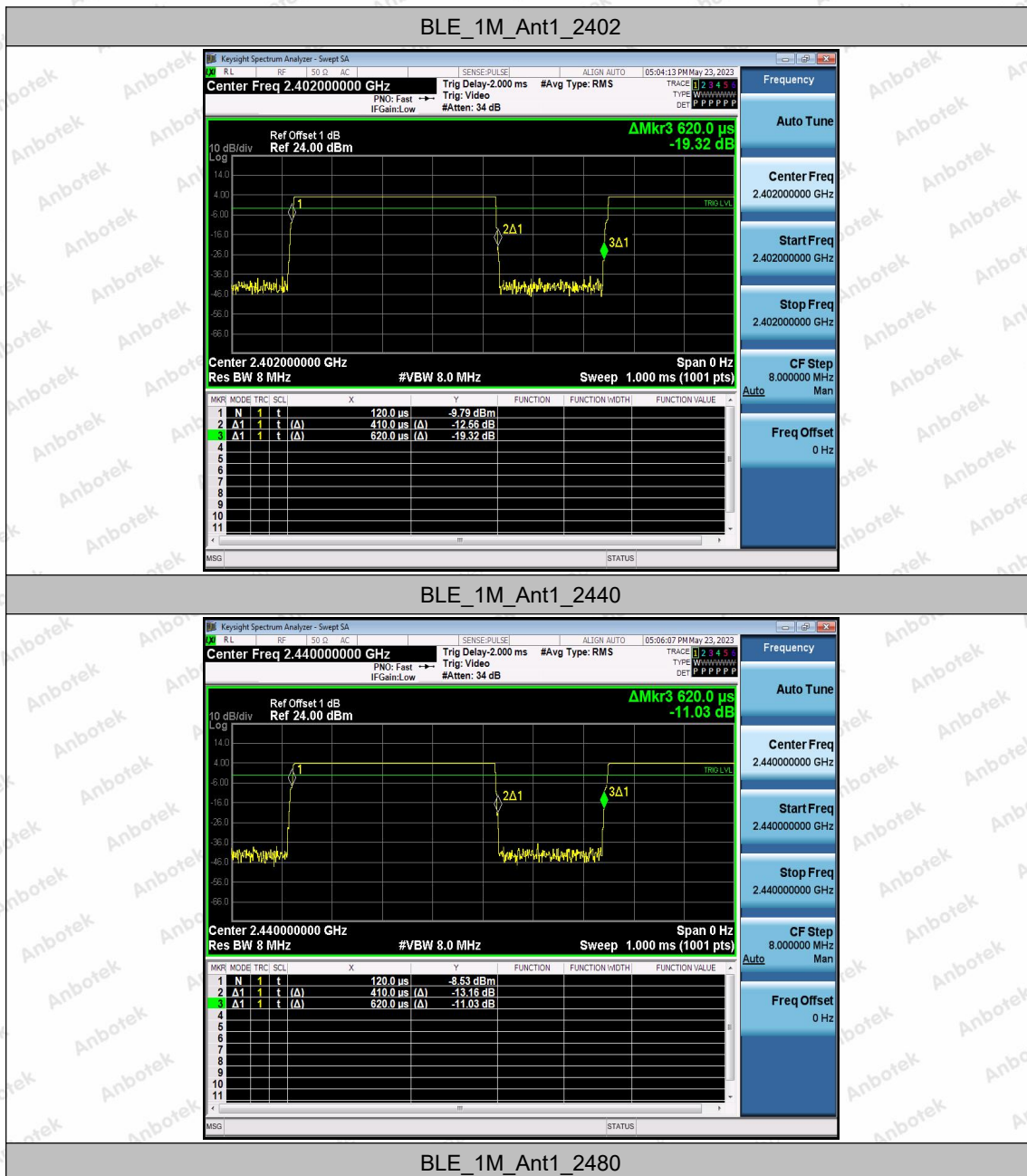
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.62	66.13	1.80
		2440	0.41	0.62	66.13	1.80
		2480	0.41	0.62	66.13	1.80



Test Graphs



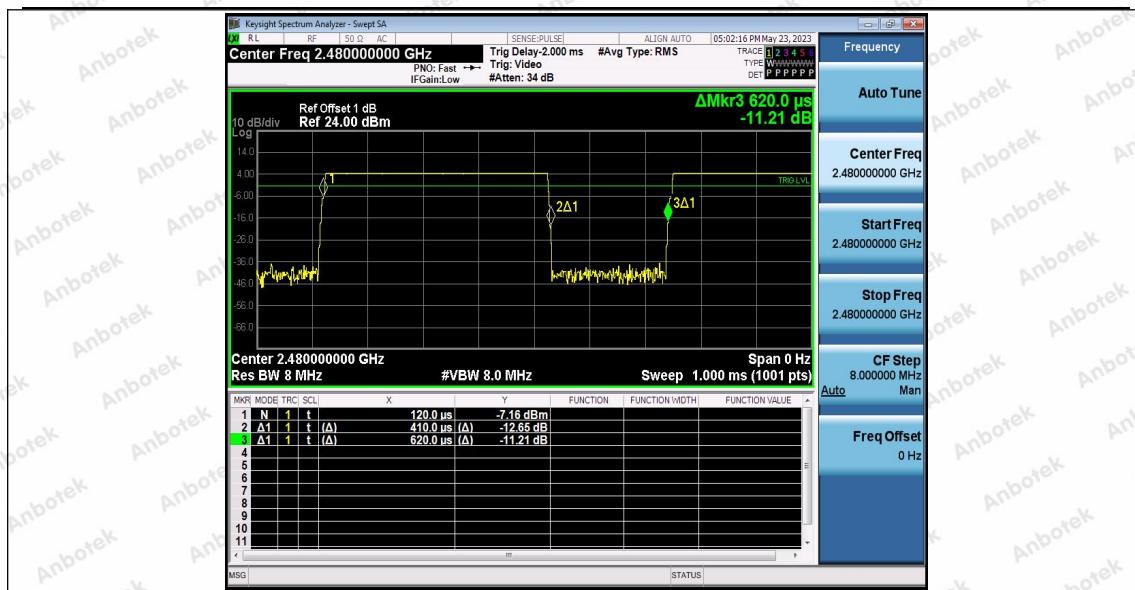
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