

Appendix Test Data

Report No.:	18220WC30085501	Test Sample No.:	1-2-2
Start Test Date:	2023.05.11	Finish Test Date:	2023.05.12
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.1°C	Relative Humidity:	45%
Pressure:	1012 hPa		

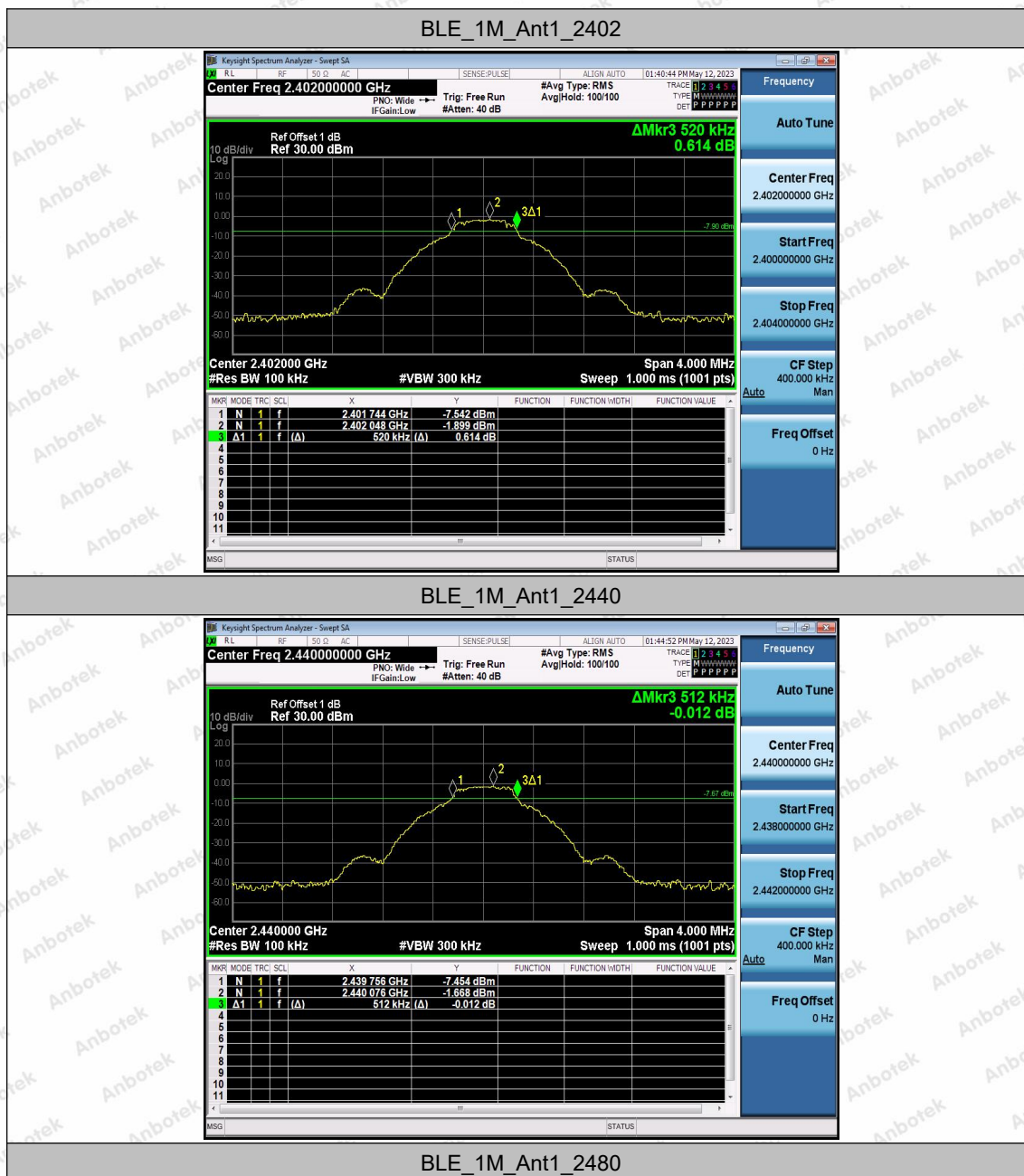
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.520	2401.744	2402.264	0.5	PASS
		2440	0.512	2439.756	2440.268	0.5	PASS
		2480	0.524	2479.752	2480.276	0.5	PASS



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



Hotline
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anbotek.com.cn





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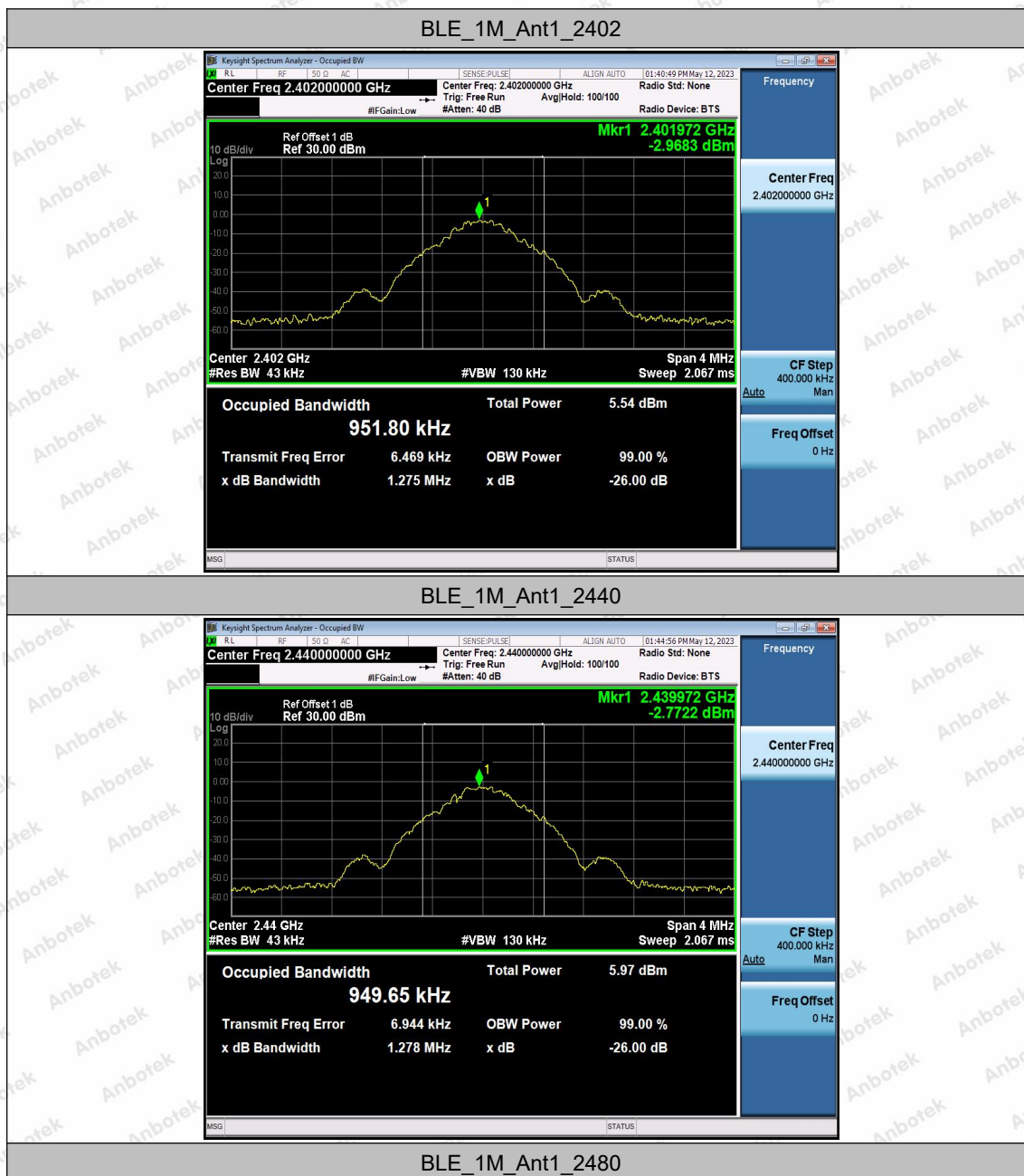
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	0.95180	2401.5306	2402.4824
		2440	0.94965	2439.5321	2440.4818
		2480	0.94519	2479.5367	2480.4819



Test Graphs



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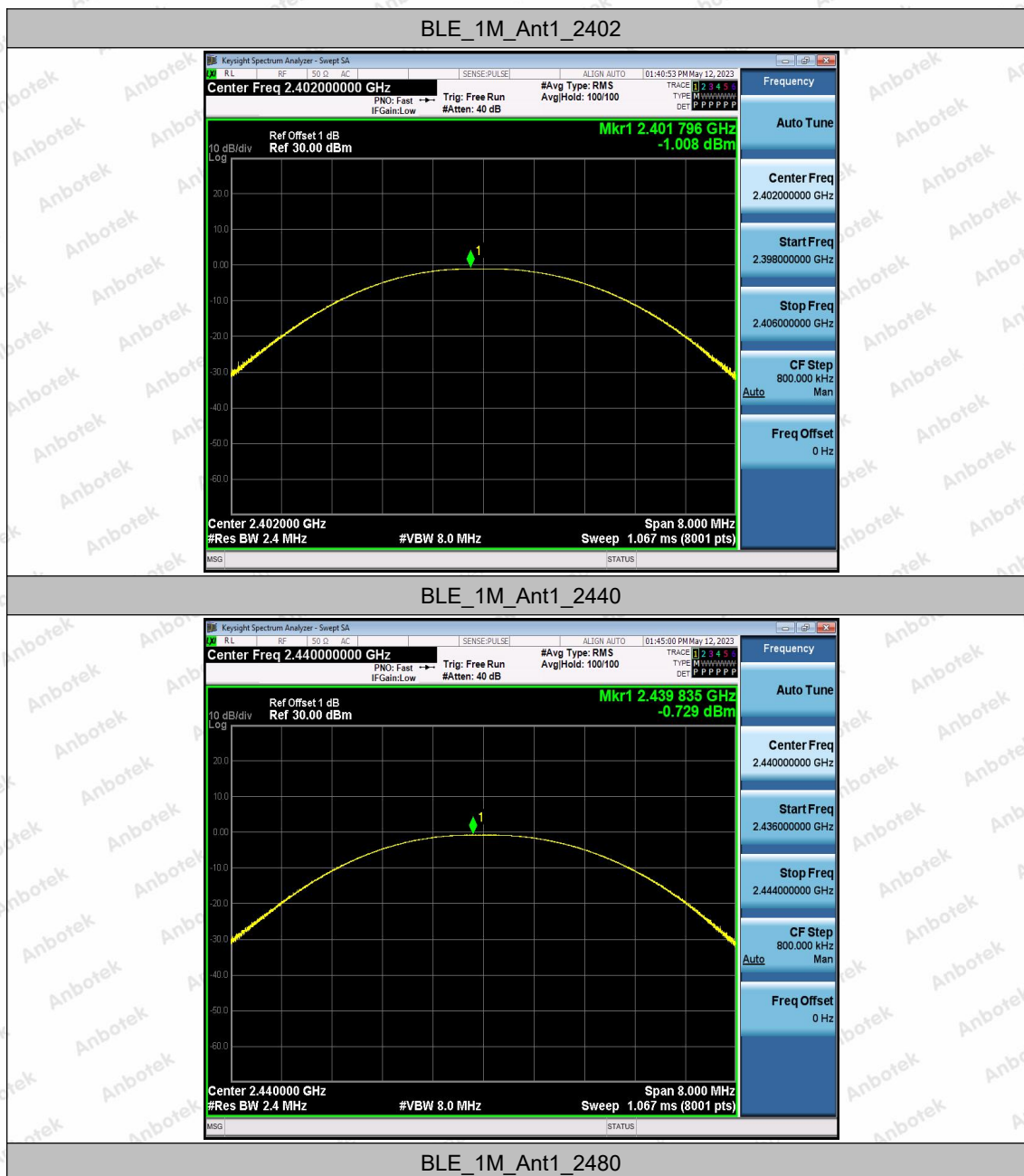
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.01	≤30	PASS
		2440	-0.73	≤30	PASS
		2480	-0.28	≤30	PASS



Test Graphs Peak



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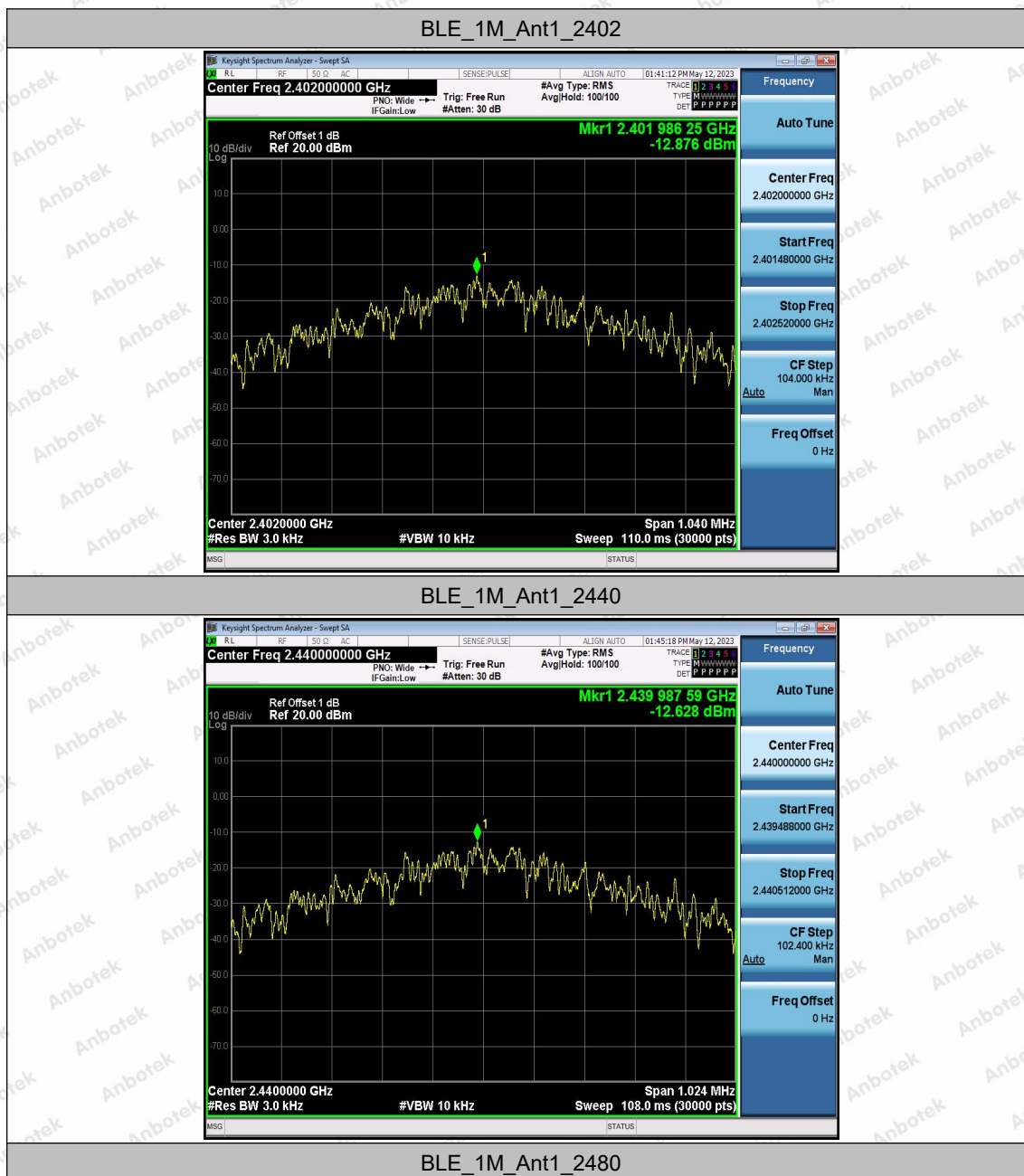
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.88	≤8.00	PASS
		2440	-12.63	≤8.00	PASS
		2480	-12.15	≤8.00	PASS



Test Graphs



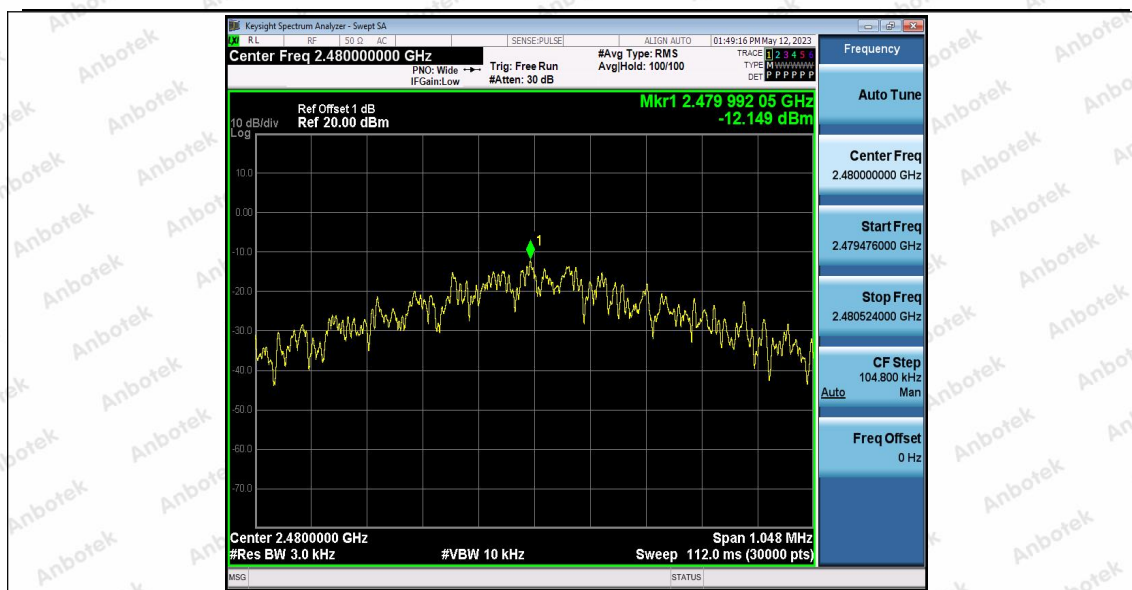
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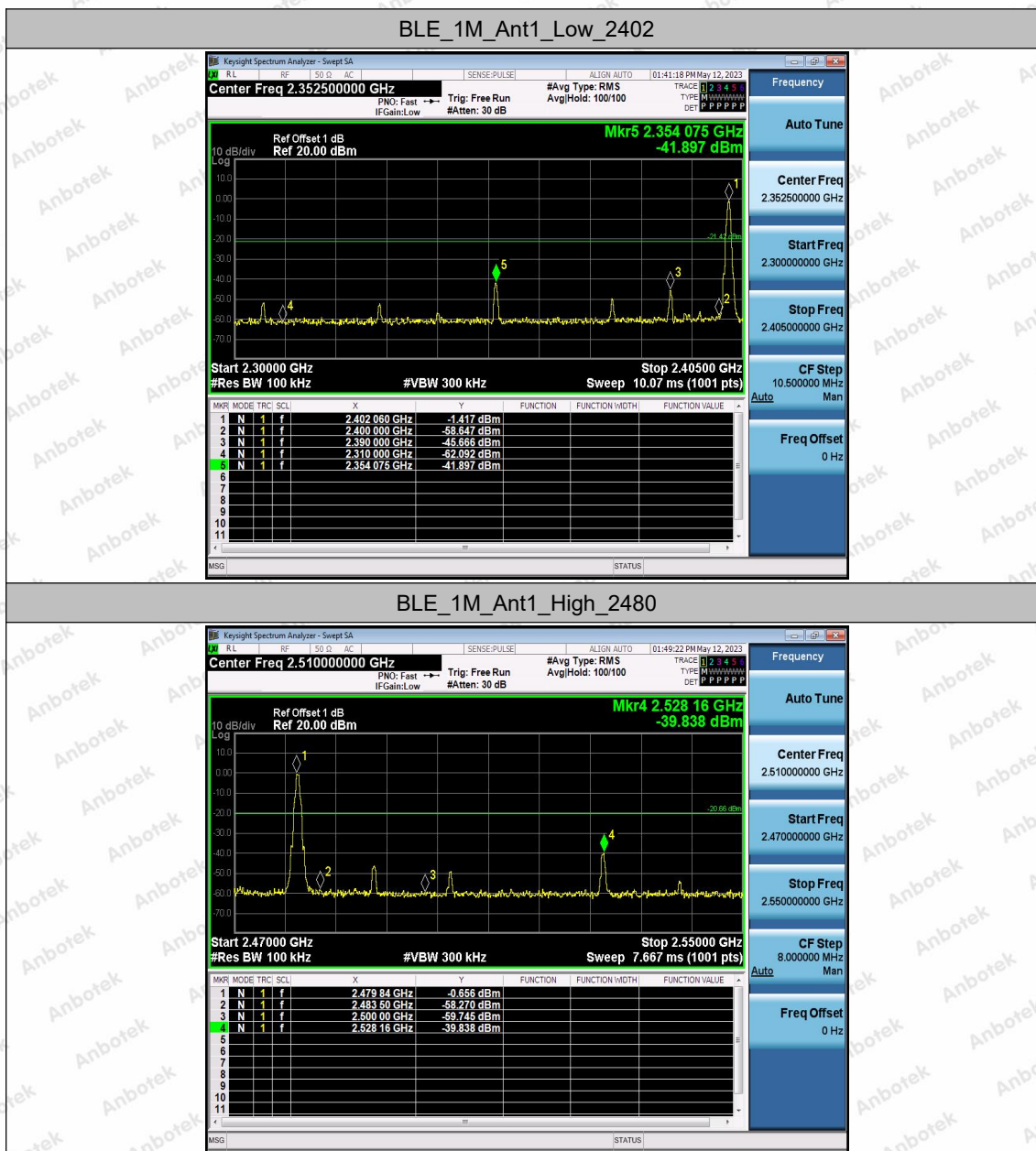
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.42	-41.9	≤-21.42	PASS
		High	2480	-0.66	-39.84	≤-20.66	PASS



Test Graphs



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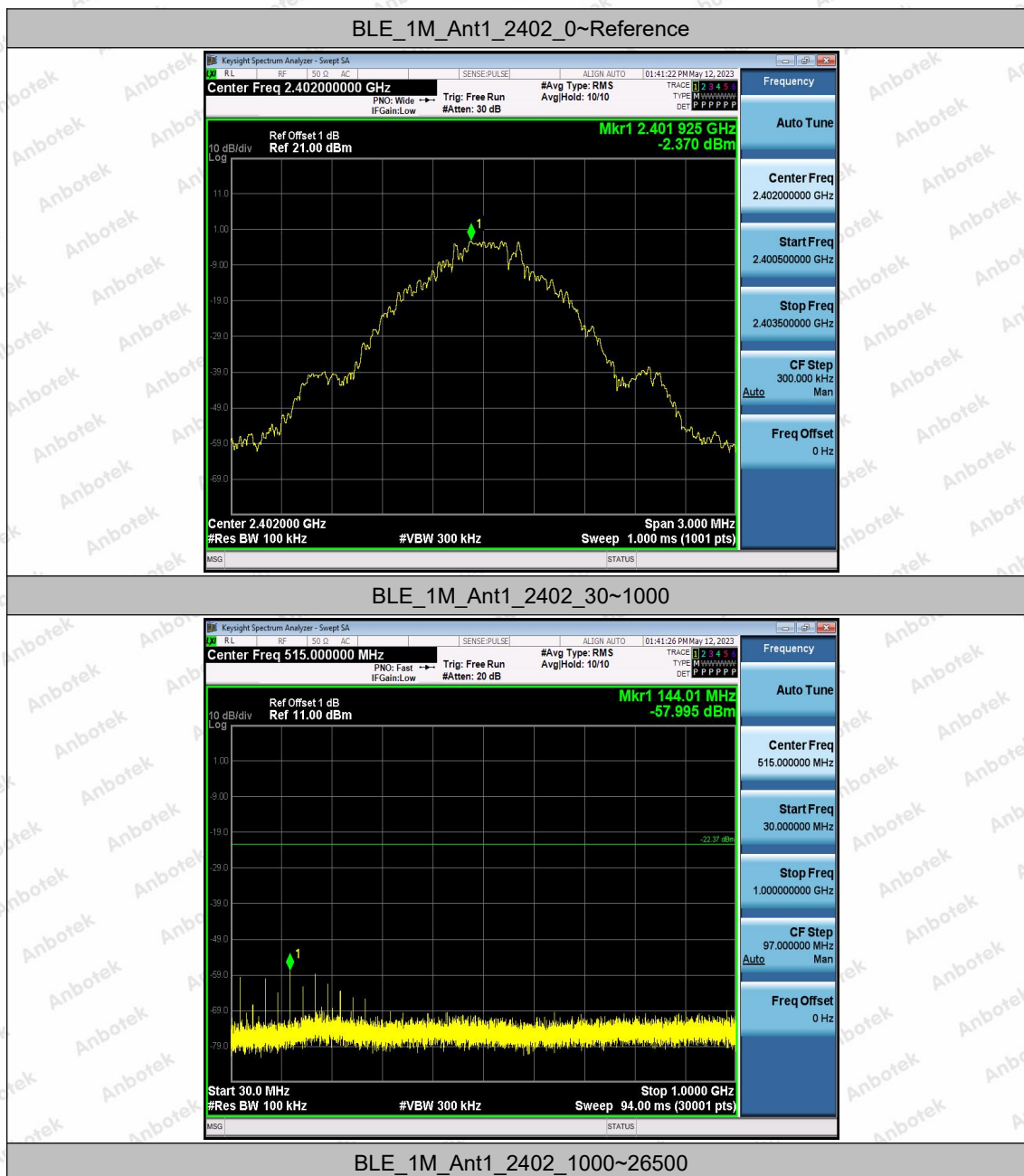
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-58	≤-22.37	PASS
			1000~26500	-2.37	-32.04	≤-22.37	PASS
		2440	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-57.64	≤-21.71	PASS
			1000~26500	-1.71	-32.4	≤-21.71	PASS
		2480	Reference	-1.07	-1.07	---	PASS
			30~1000	-1.07	-57.72	≤-21.07	PASS
			1000~26500	-1.07	-35.95	≤-21.07	PASS



Test Graphs



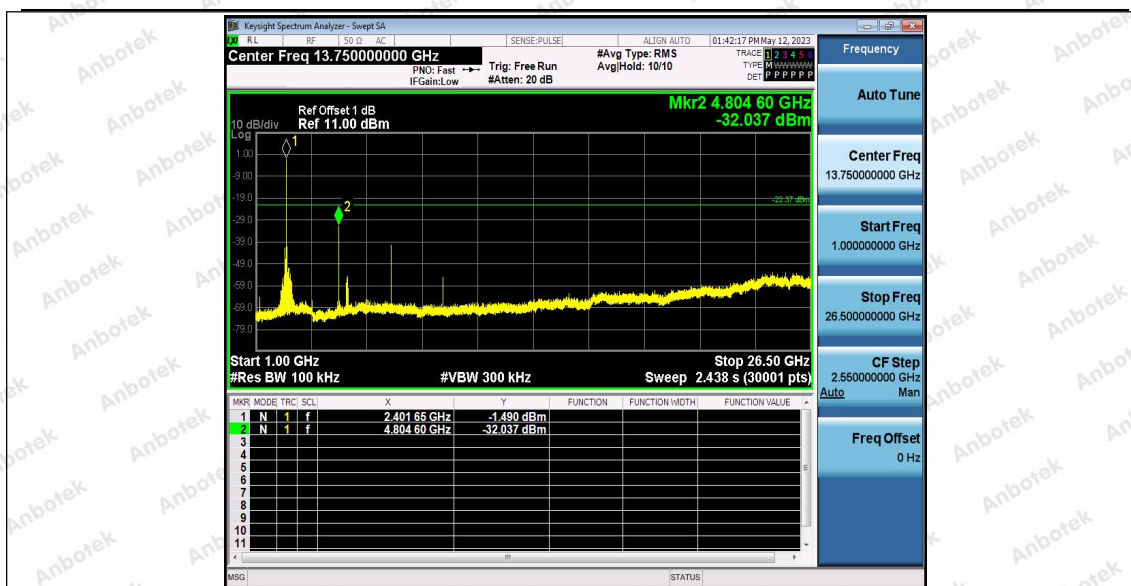
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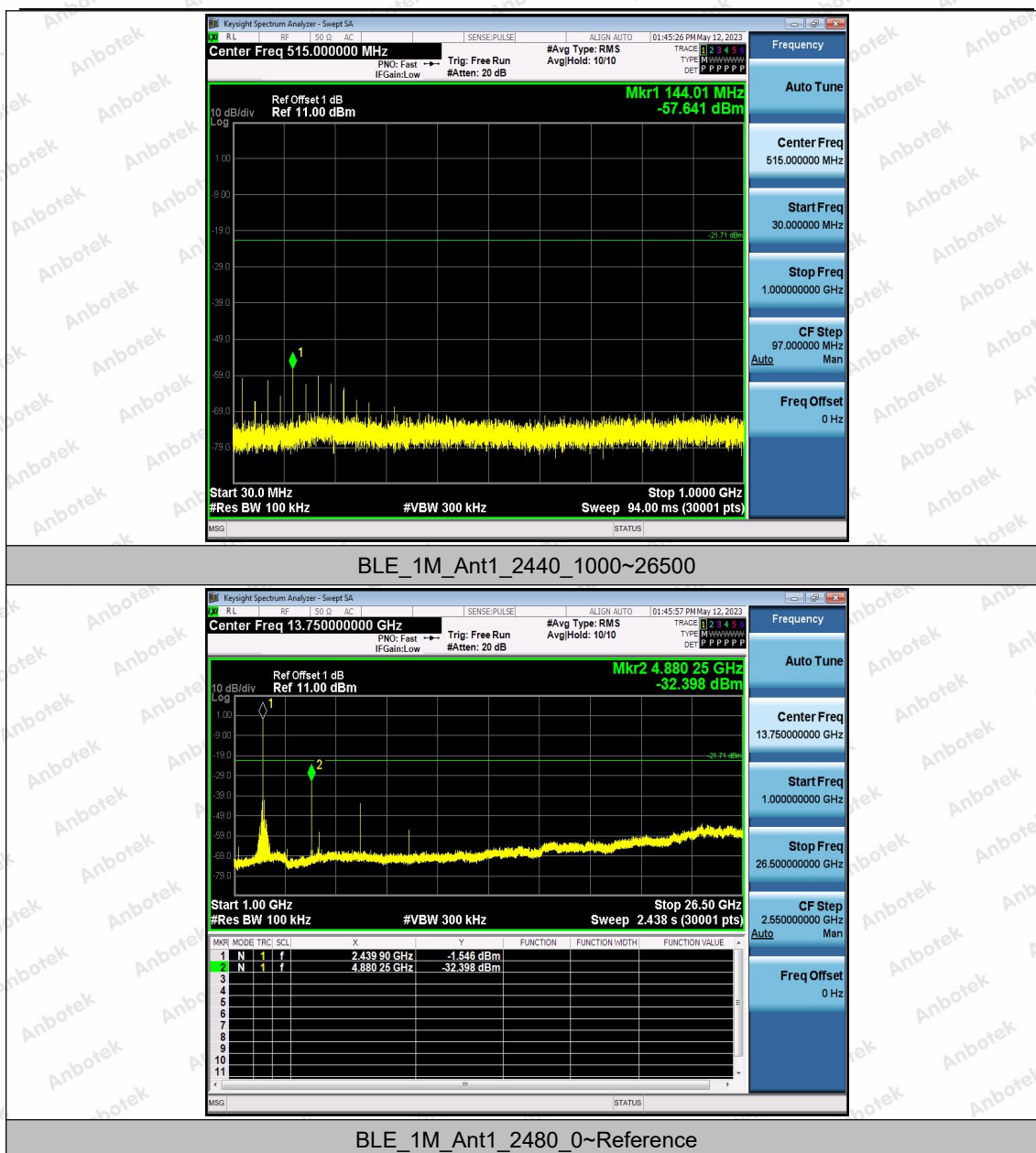


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500

BLE_1M_Ant1_2480_0~Reference

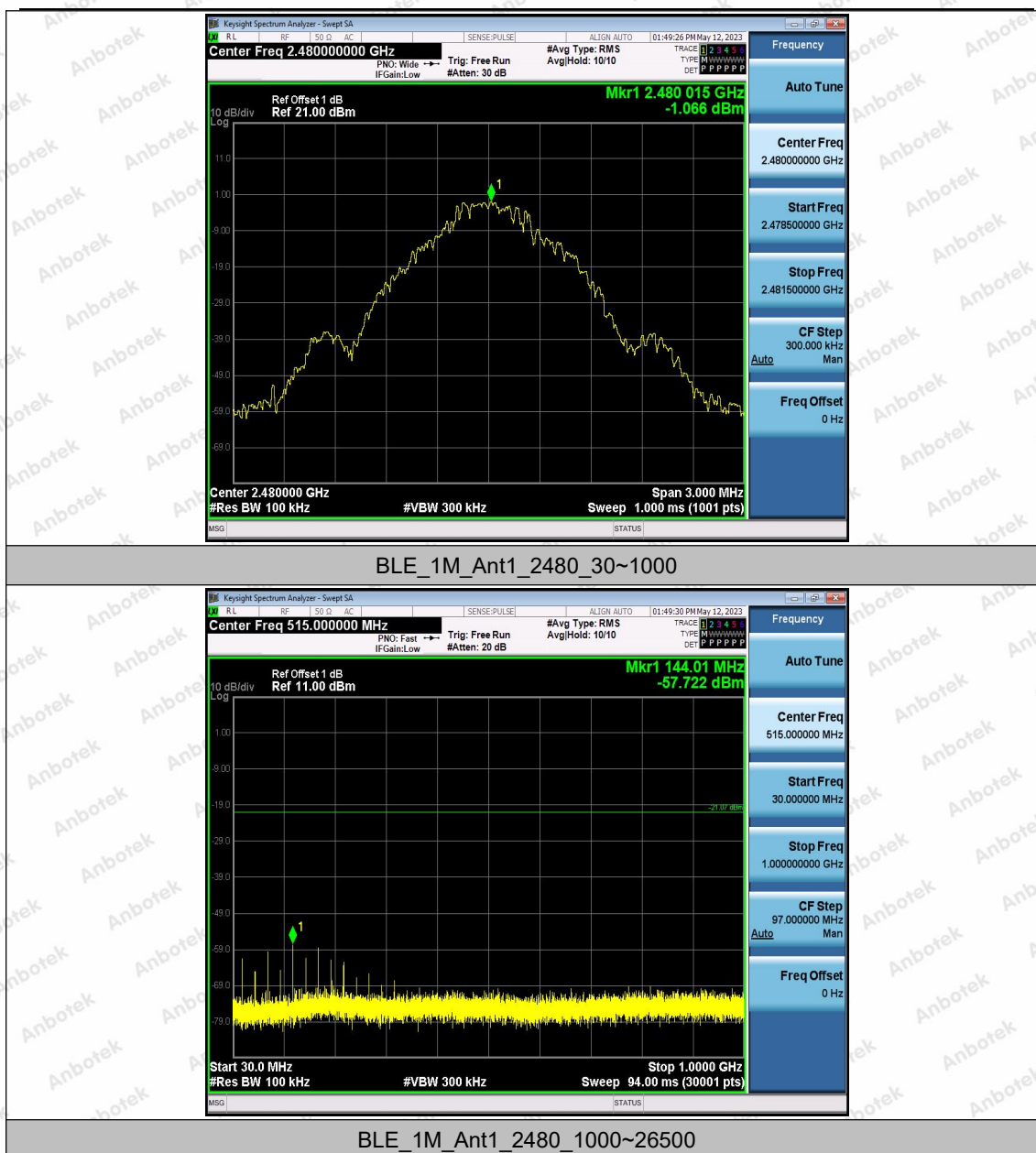
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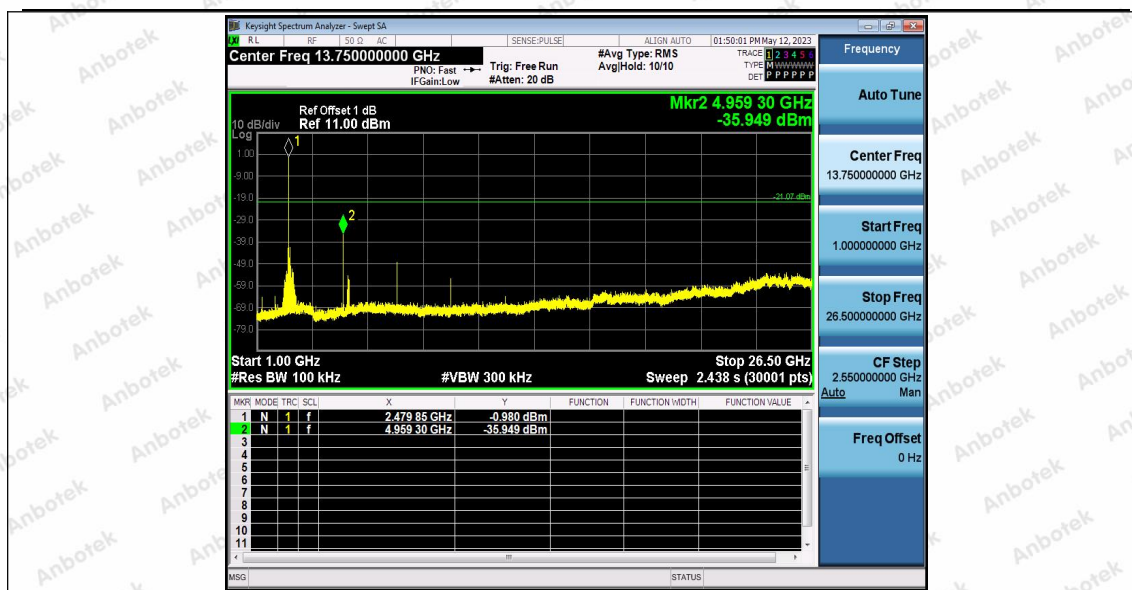
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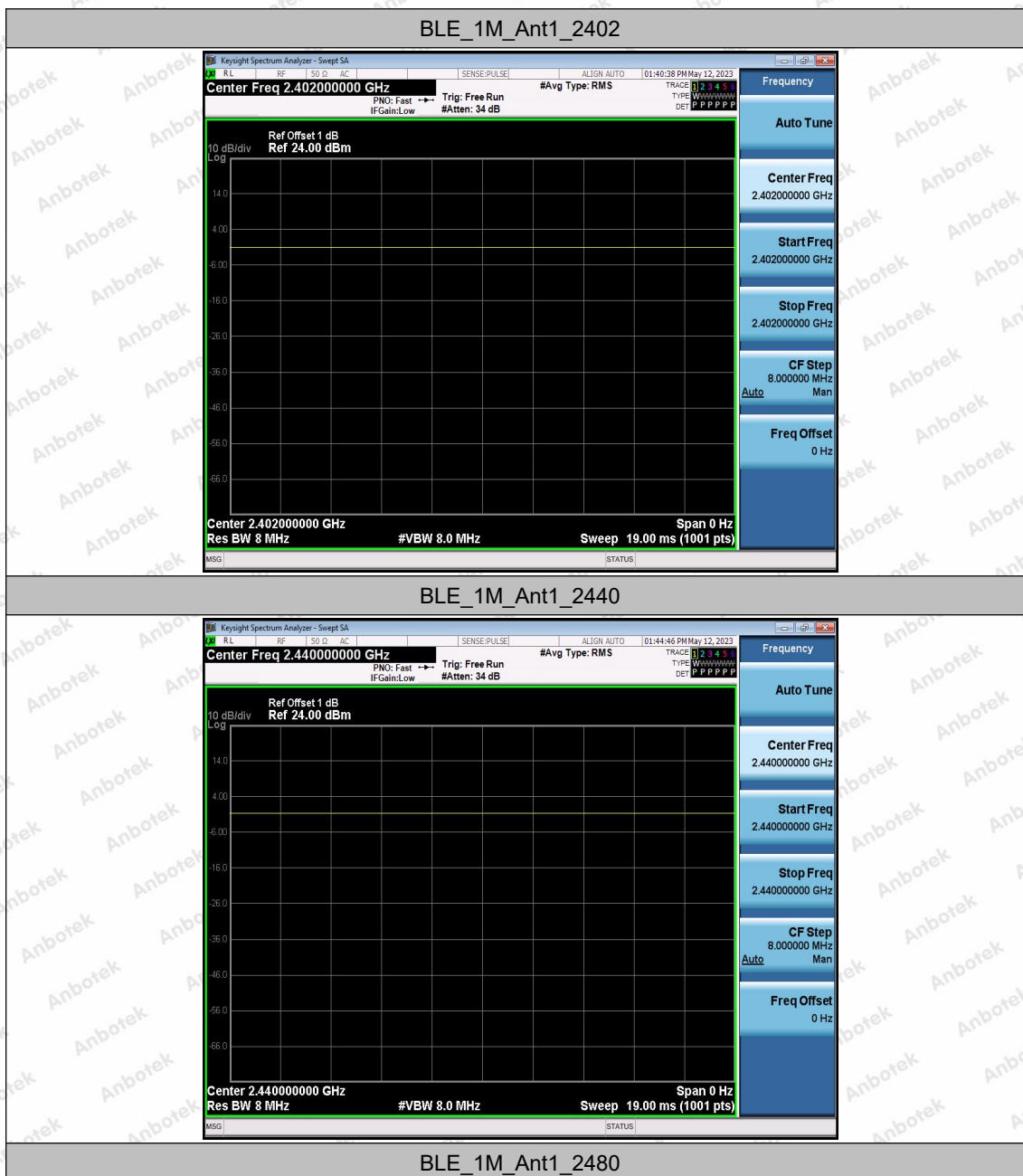
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



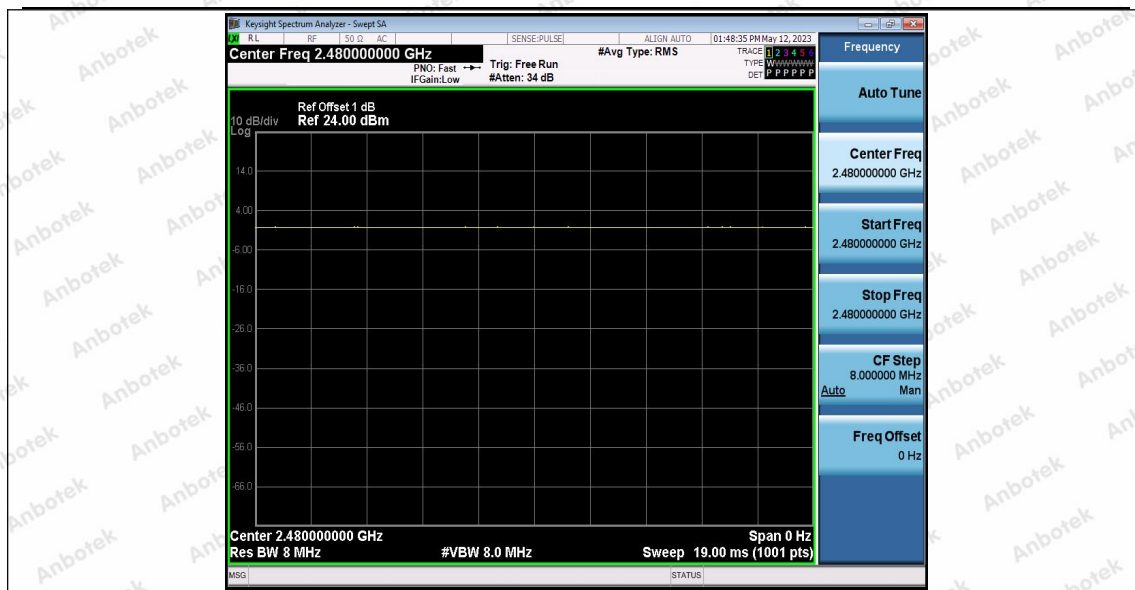
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