

Appendix Test Data

Report No.:	18220WC30101301	Test Sample No.:	1-2-2
Start Test Date:	2023.05.26	Finish Test Date:	2023.05.30
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.3°C	Relative Humidity:	45%
Pressure:	1012 hPa		

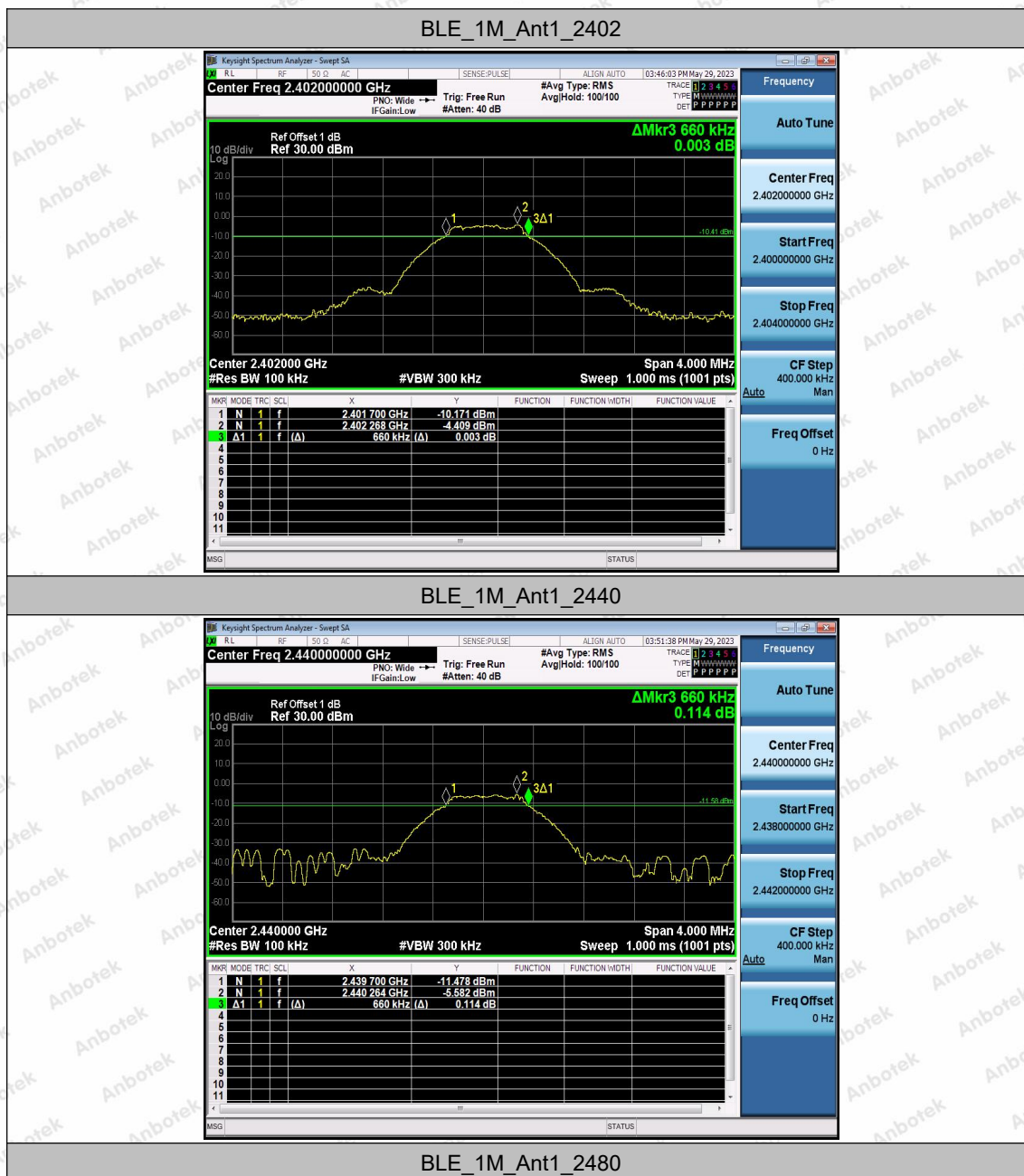
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.700	2402.360	0.5	PASS
		2440	0.660	2439.700	2440.360	0.5	PASS
		2480	0.672	2479.692	2480.364	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
400-003-0500
anbotek.com.cn





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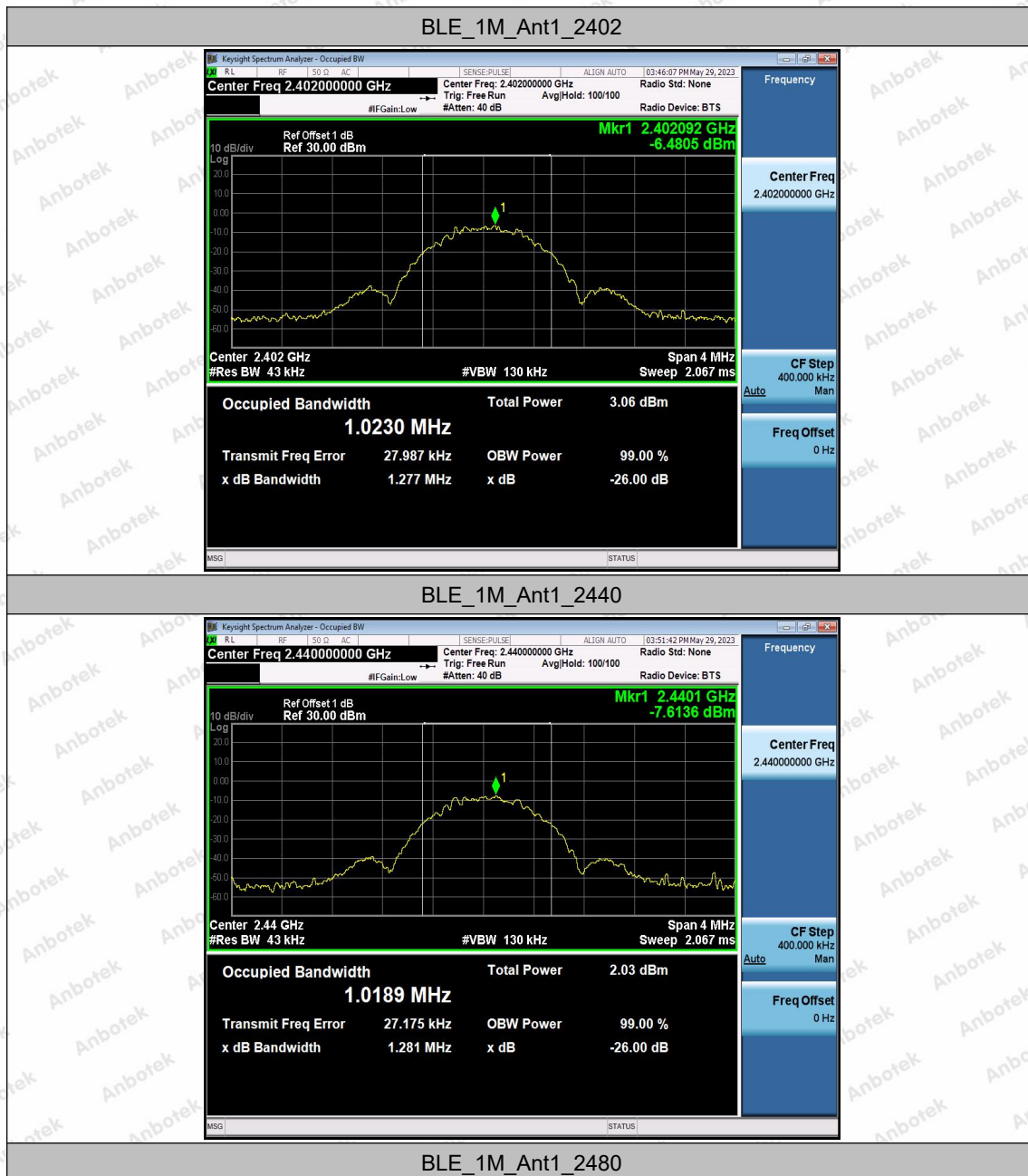
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0230	2401.5165	2402.5395
		2440	1.0189	2439.5177	2440.5366
		2480	1.0209	2479.5179	2480.5388



Test Graphs



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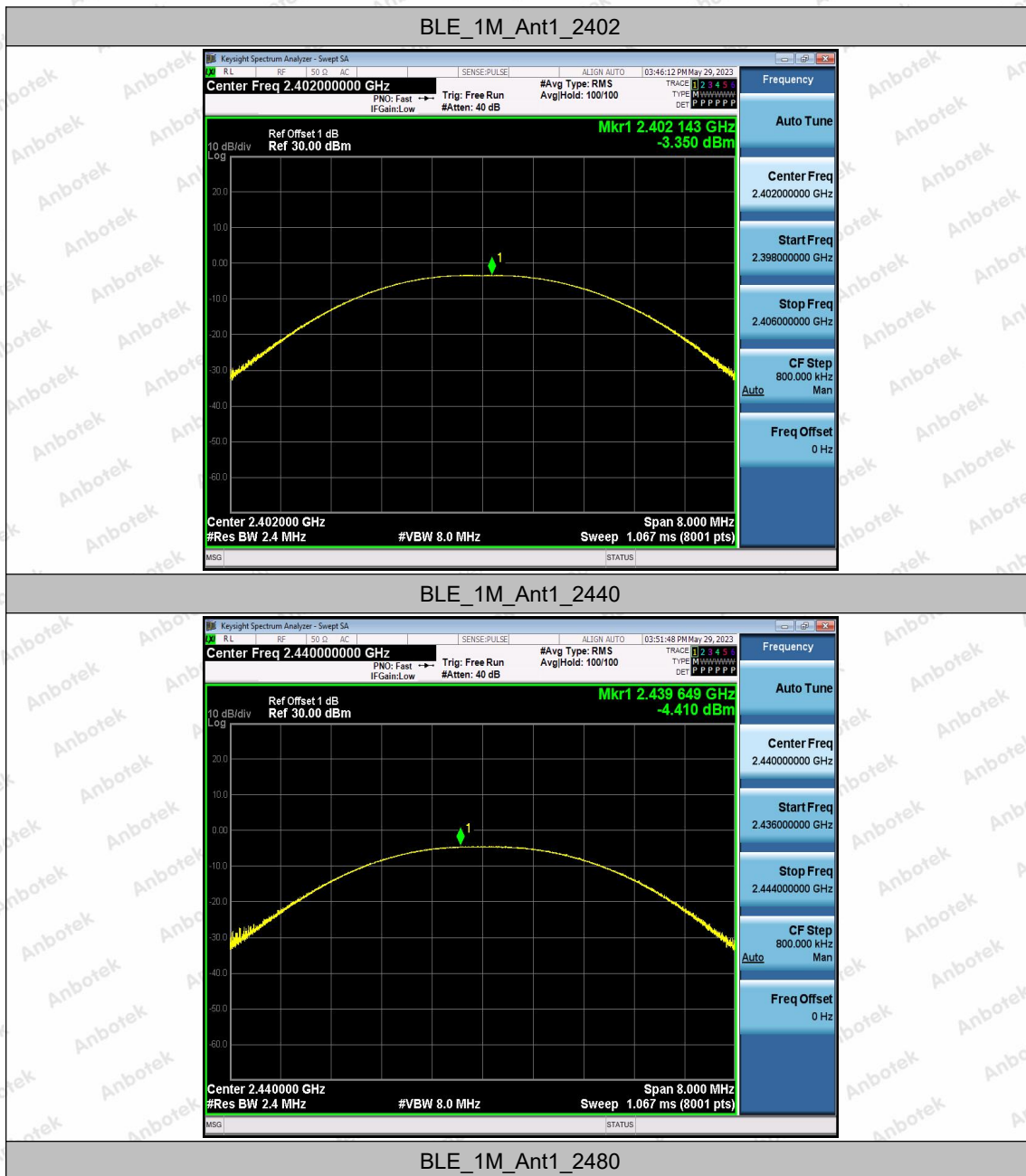
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.35	≤30	PASS
		2440	-4.41	≤30	PASS
		2480	-5.61	≤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	-18.87	≤8.00	PASS
		2440	-20.1	≤8.00	PASS
		2480	-21.14	≤8.00	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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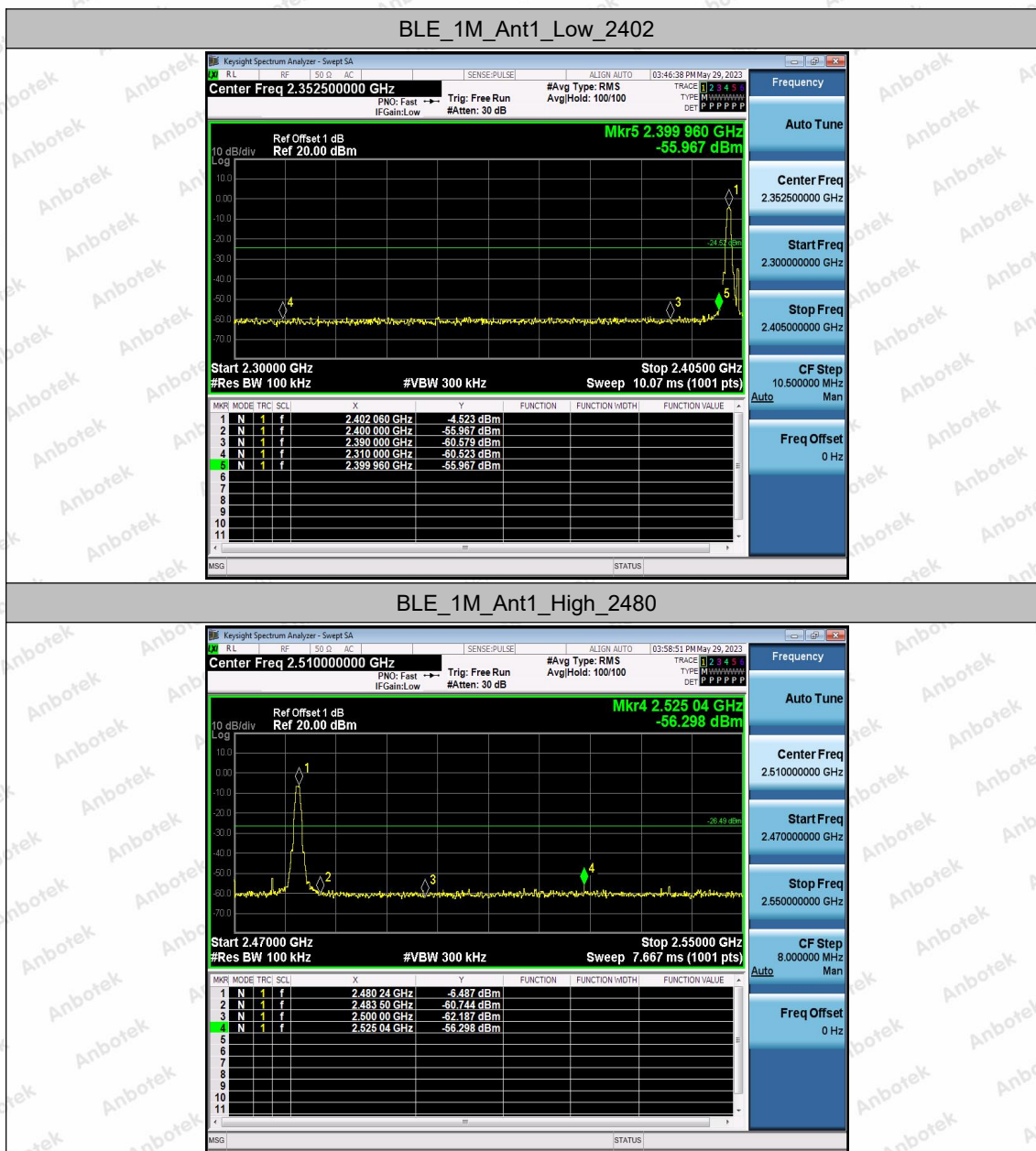
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.52	-55.97	≤-24.52	PASS
		High	2480	-6.49	-56.3	≤-26.49	PASS



Test Graphs



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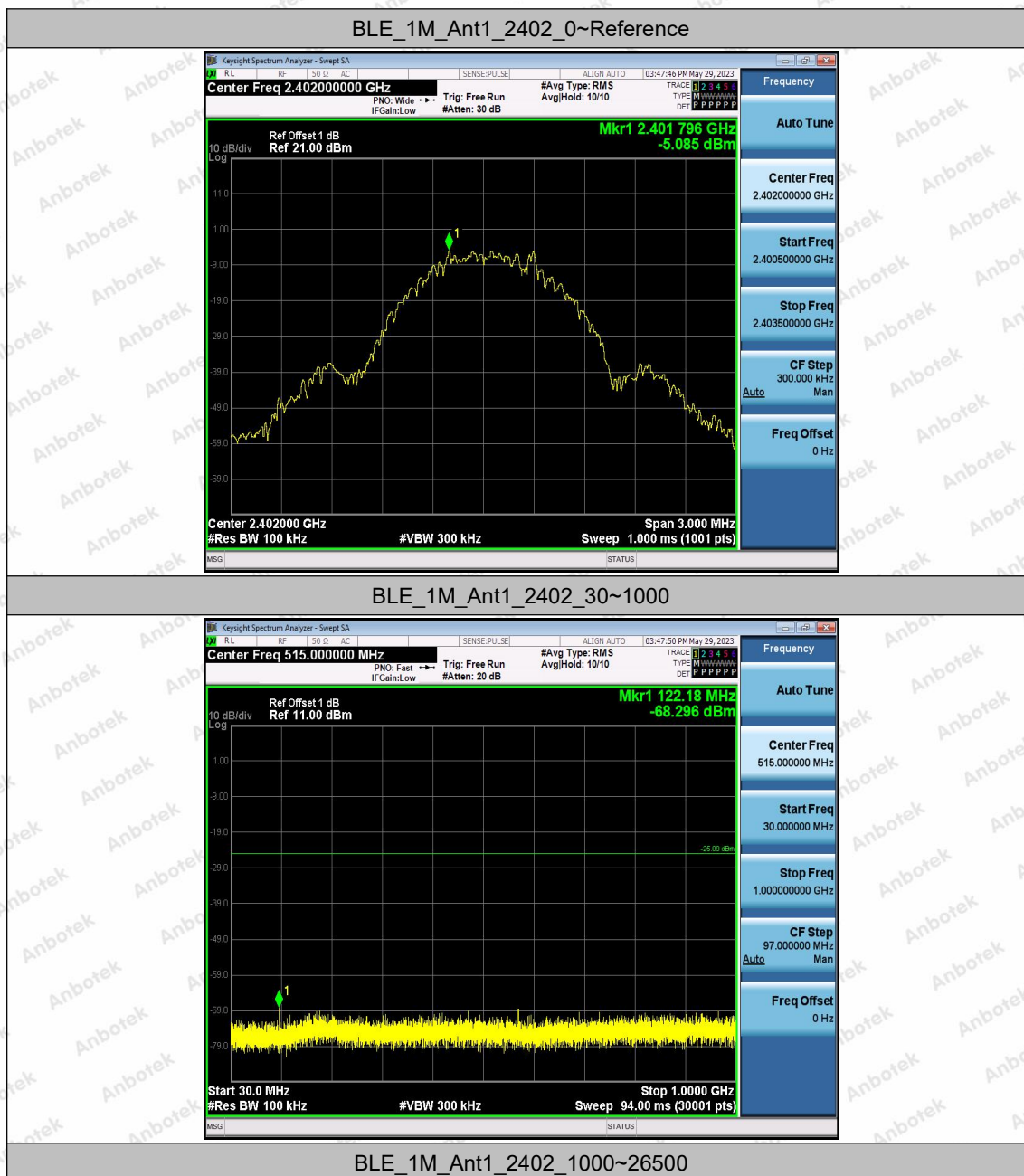
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.09	-5.09	---	PASS
			30~1000	-5.09	-68.3	≤-25.09	PASS
			1000~26500	-5.09	-53.71	≤-25.09	PASS
		2440	Reference	-6.11	-6.11	---	PASS
			30~1000	-6.11	-67.81	≤-26.11	PASS
			1000~26500	-6.11	-52.59	≤-26.11	PASS
		2480	Reference	-6.85	-6.85	---	PASS
			30~1000	-6.85	-68.47	≤-26.85	PASS
			1000~26500	-6.85	-52.55	≤-26.85	PASS



Test Graphs



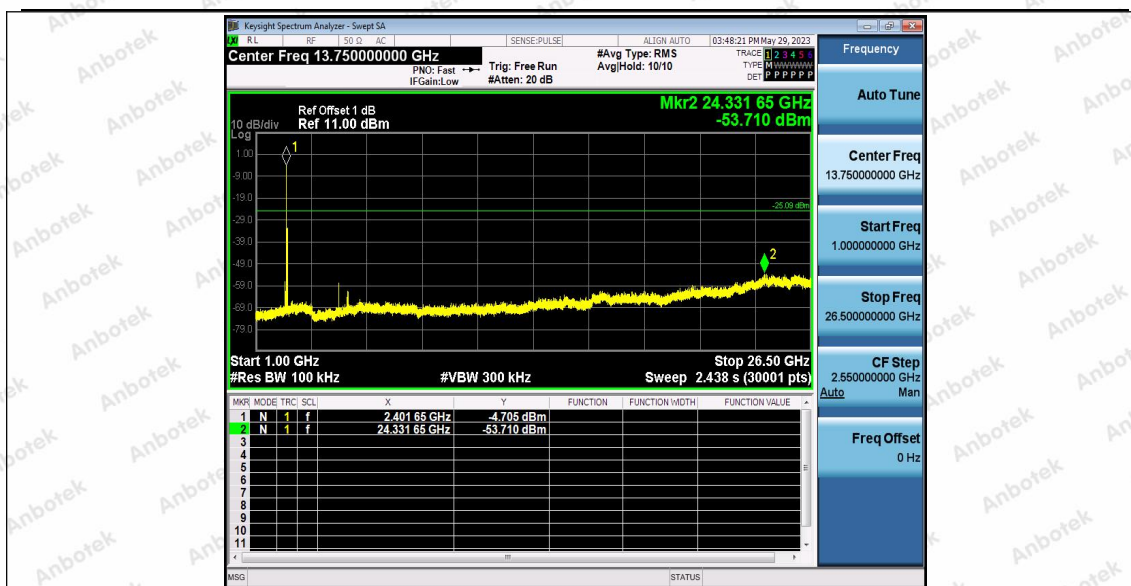
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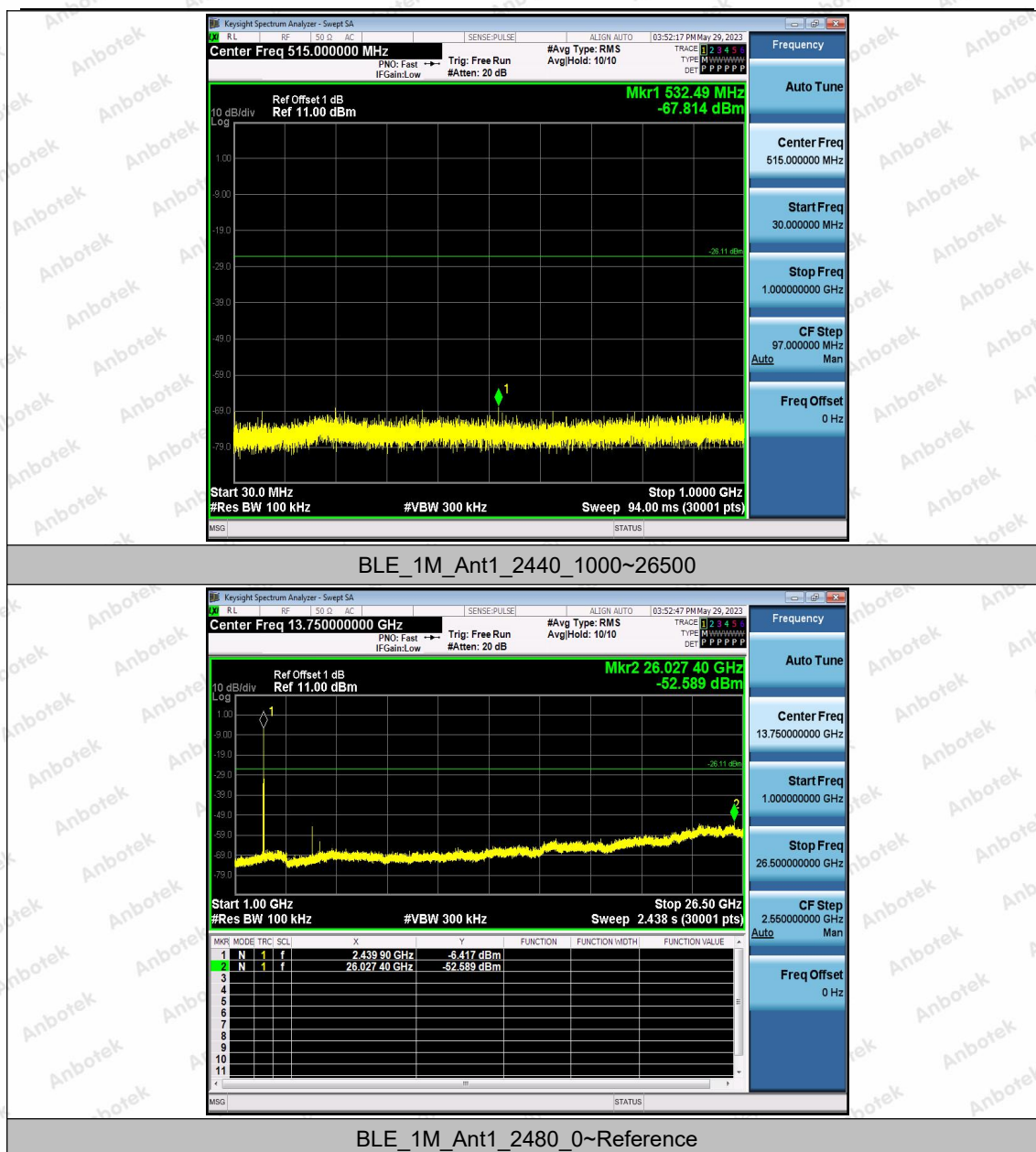


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500

BLE_1M_Ant1_2480_0~Reference

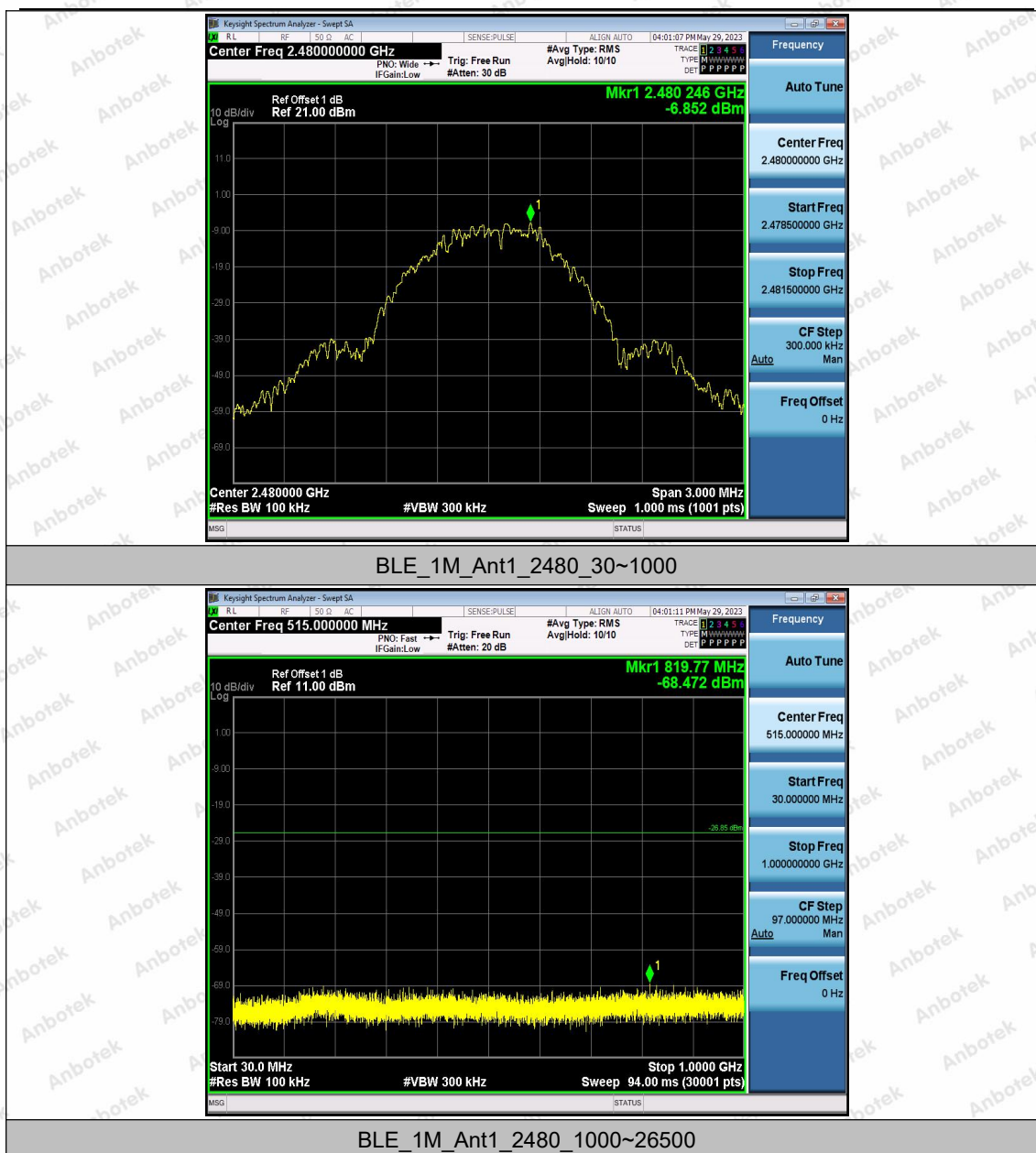
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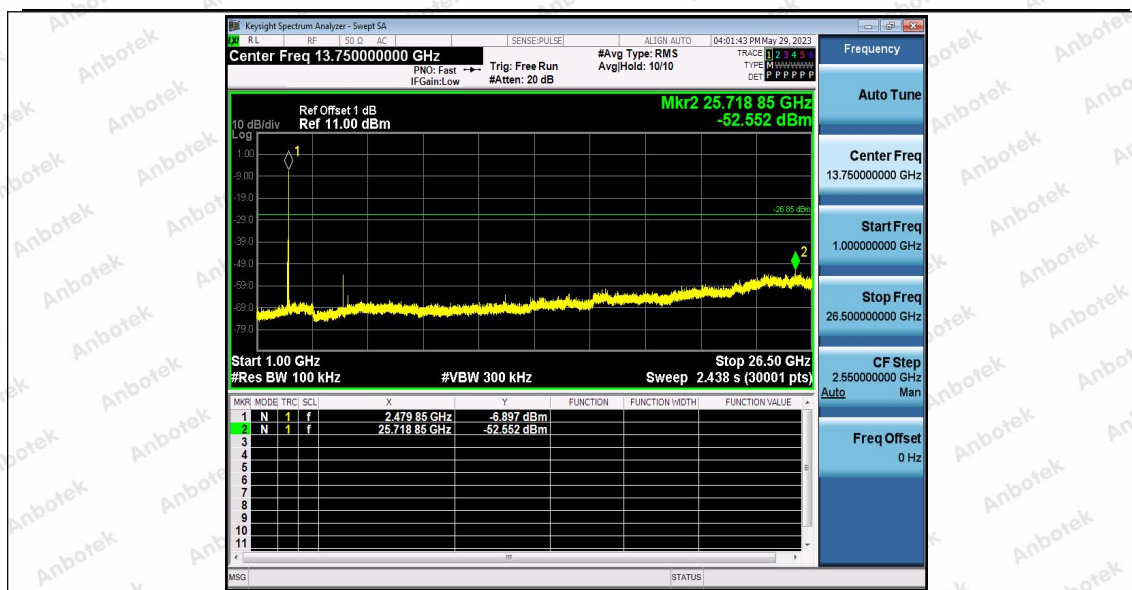
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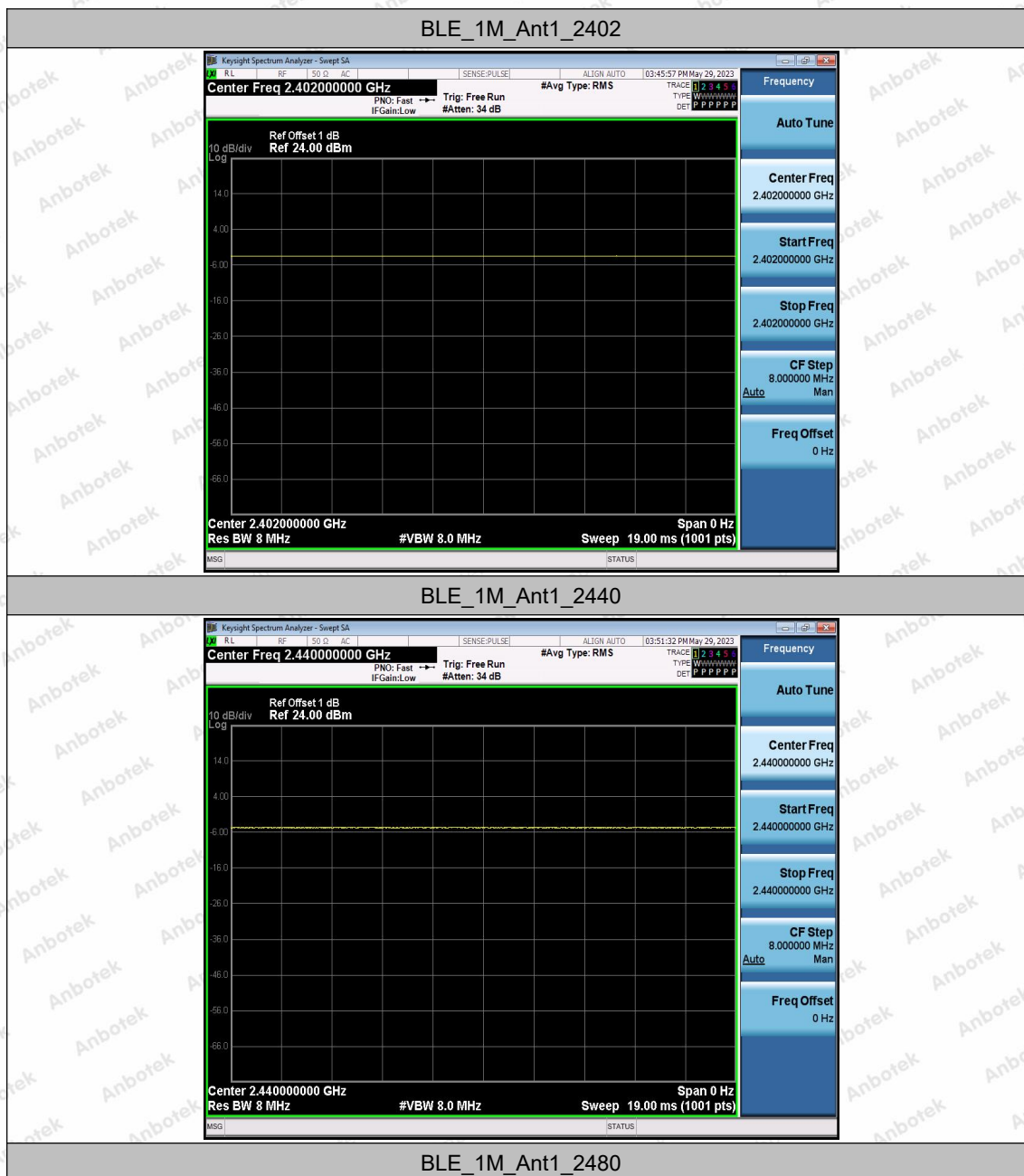
Appendix G: Duty Cycle

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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