

Appendix Test Data

Report No.:	18220WC30130901	Test Sample No.:	1-2-2
Start Test Date:	2023.06.28	Finish Test Date:	2023.06.29
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.2°C	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	0.708	2401.616	2402.324	0.5	PASS
		2440	0.692	2439.620	2440.312	0.5	PASS
		2480	0.684	2479.632	2480.316	0.5	PASS

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Test Graphs

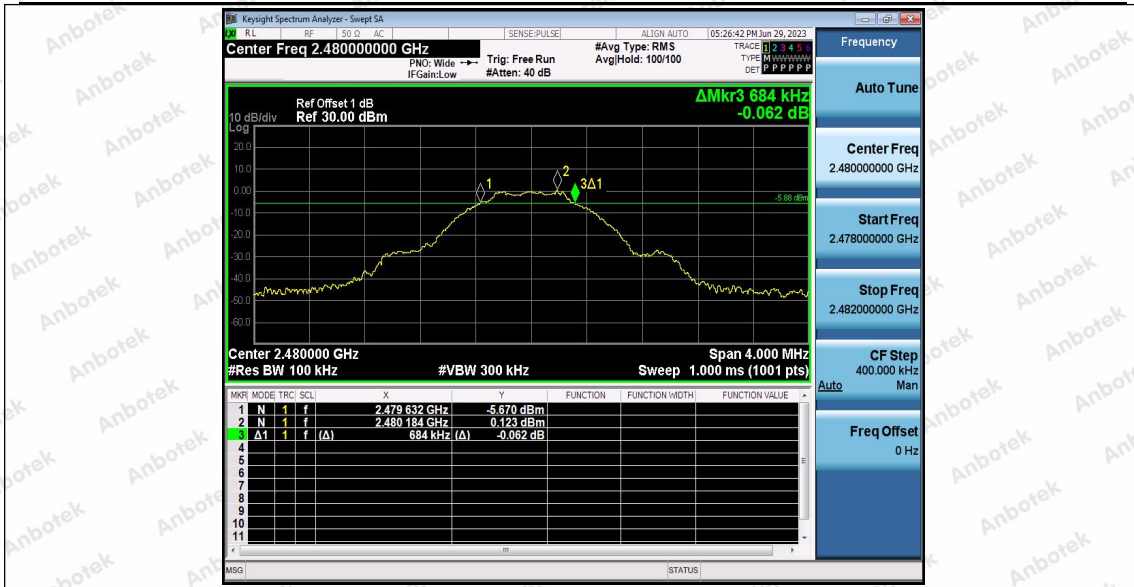


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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0921	2401.4385	2402.5306
		2440	1.0883	2439.4386	2440.5269
		2480	1.1085	2479.4273	2480.5358

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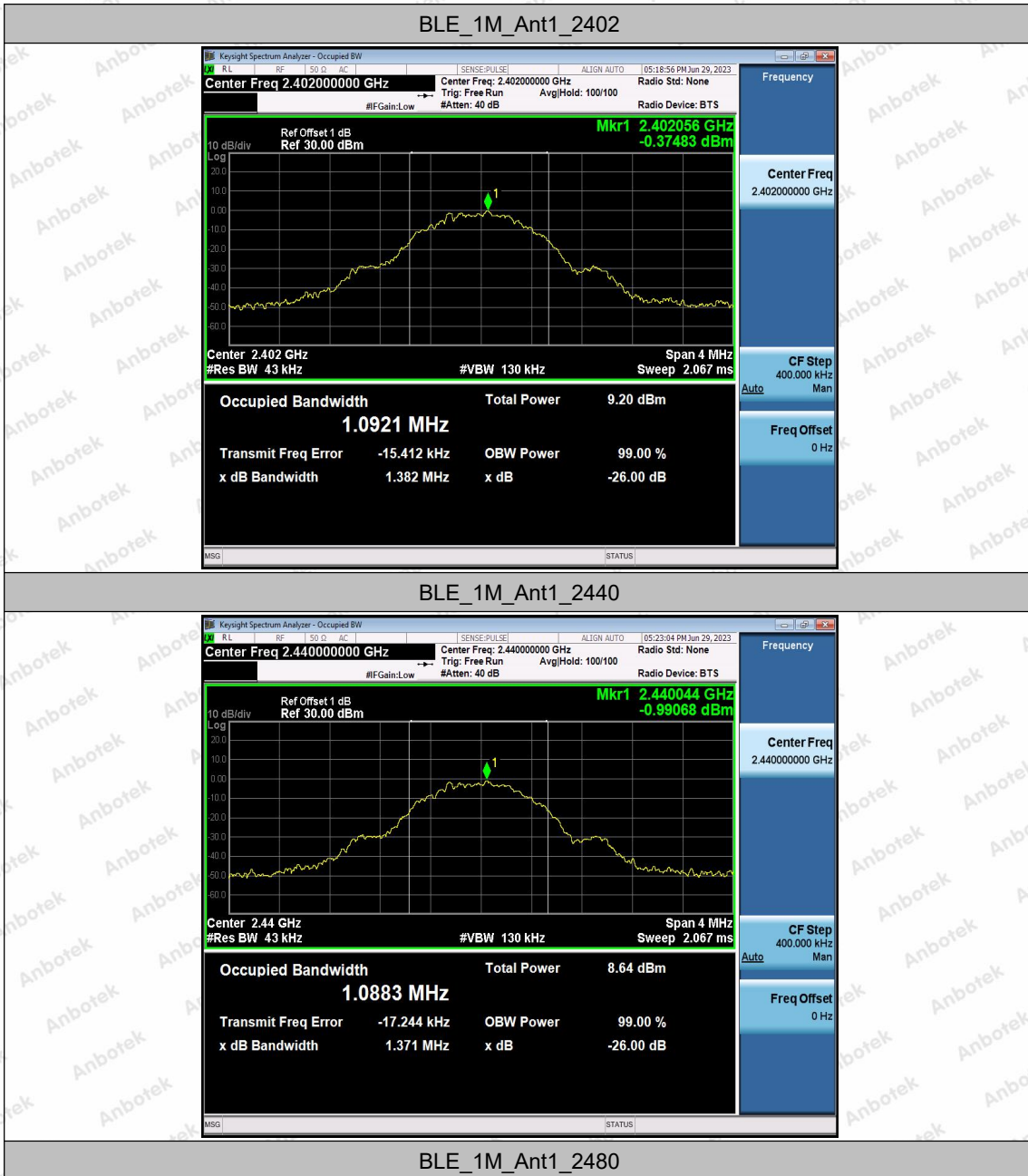
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Test Graphs



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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	2.55	≤30	PASS
		2440	1.98	≤30	PASS
		2480	1.11	≤30	PASS

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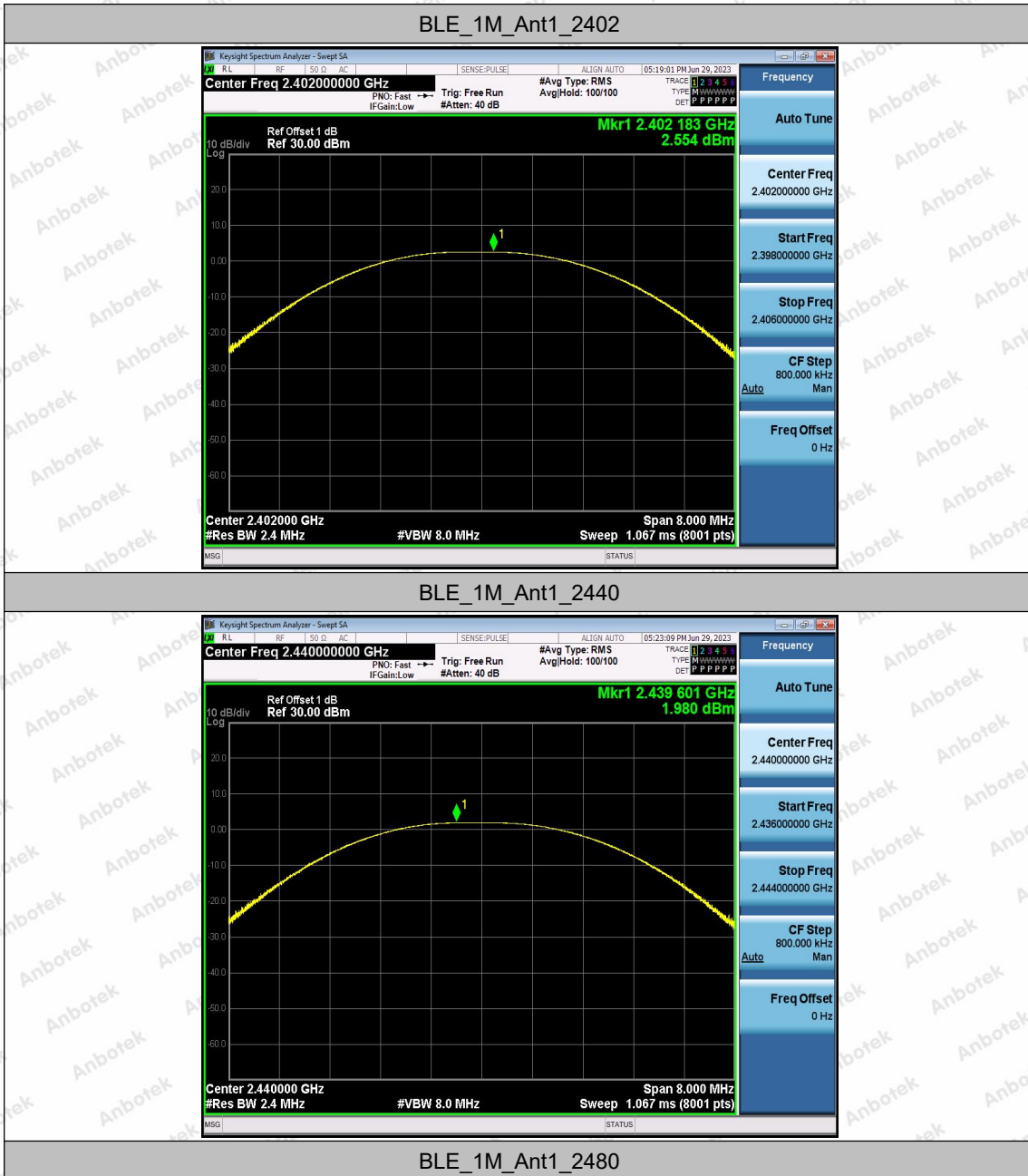
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Test Graphs Peak

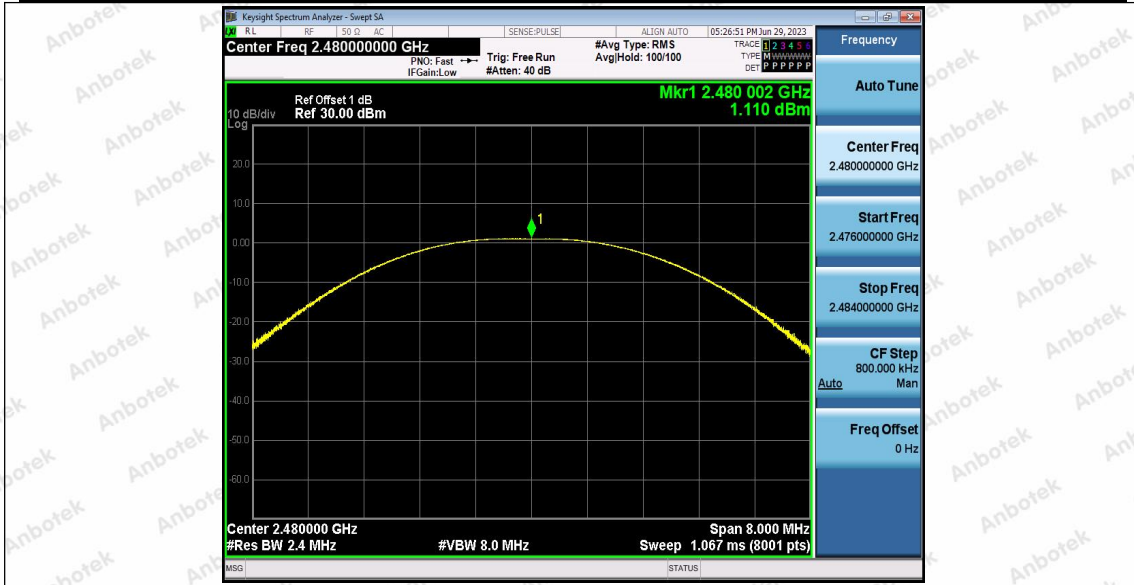


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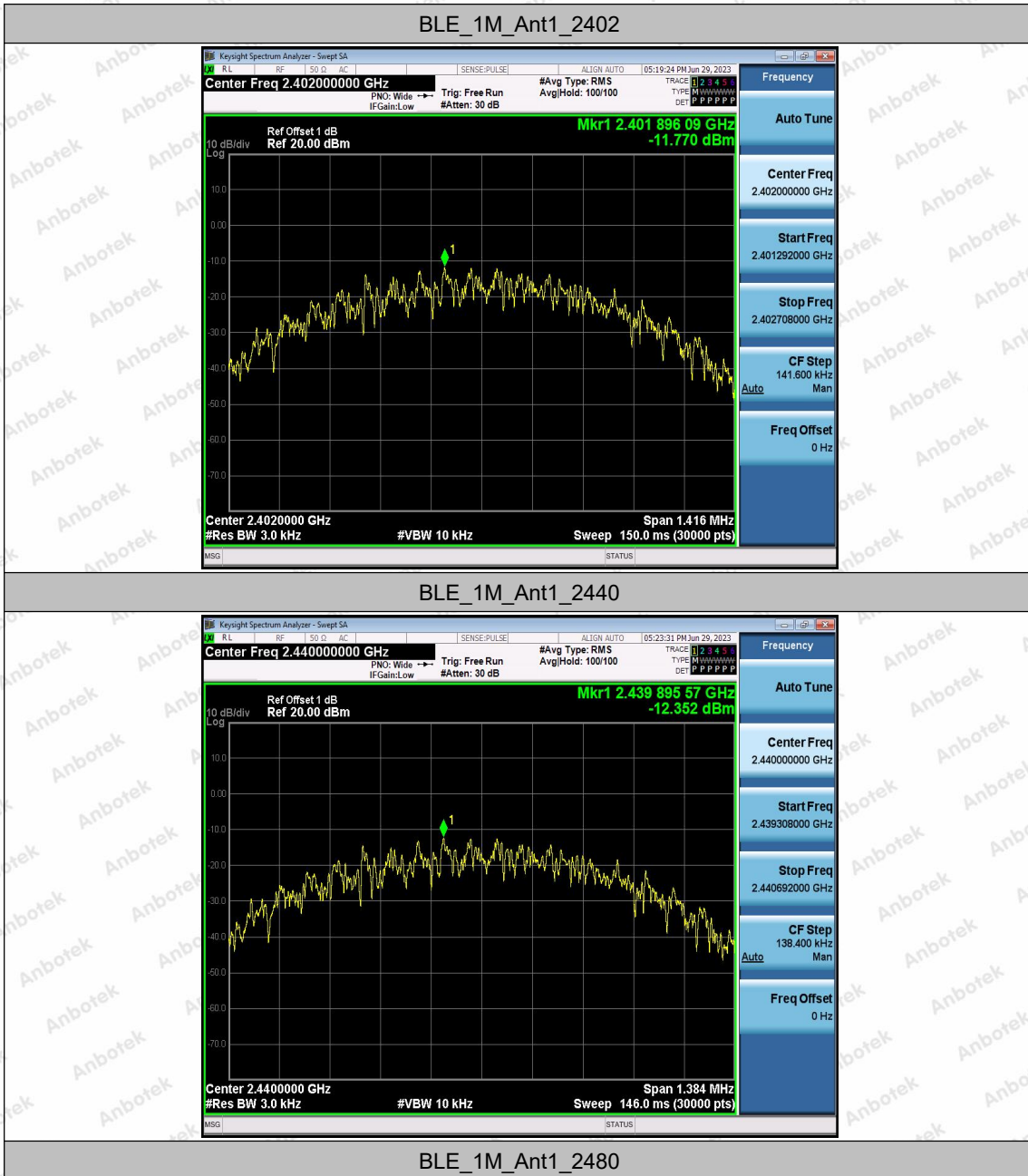
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.77	≤8.00	PASS
		2440	-12.35	≤8.00	PASS
		2480	-13.24	≤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	1.46	-44.32	≤-18.54	PASS
		High	2480	0.31	-47.01	≤-19.69	PASS

Test Graphs



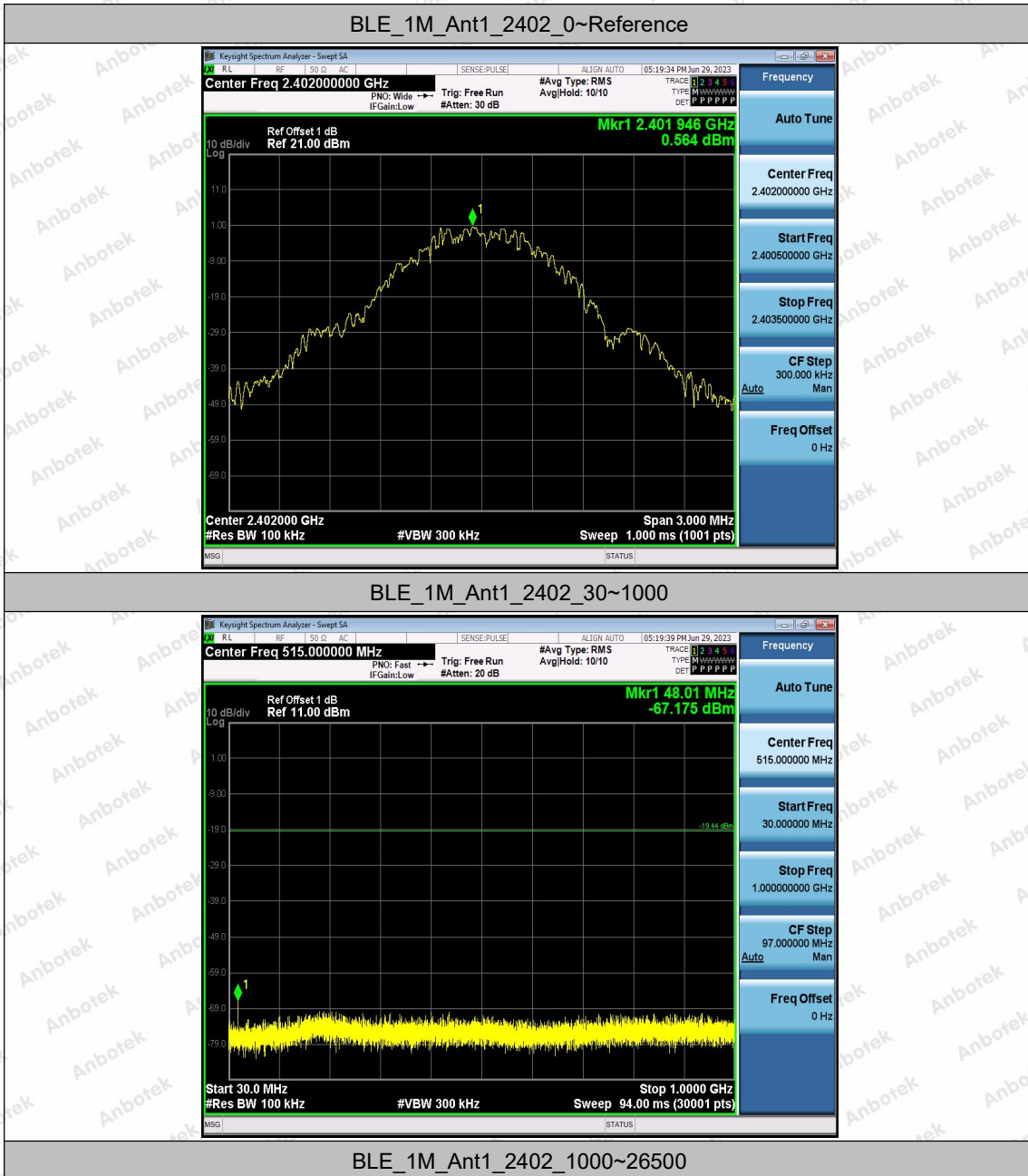
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.56	0.56	---	PASS
			30~1000	0.56	-67.18	≤-19.44	PASS
			1000~26500	0.56	-43.93	≤-19.44	PASS
		2440	Reference	-0.07	-0.07	---	PASS
			30~1000	-0.07	-67.65	≤-20.07	PASS
			1000~26500	-0.07	-43.35	≤-20.07	PASS
		2480	Reference	-1.24	-1.24	---	PASS
			30~1000	-1.24	-66.99	≤-21.24	PASS
			1000~26500	-1.24	-43.08	≤-21.24	PASS



Test Graphs

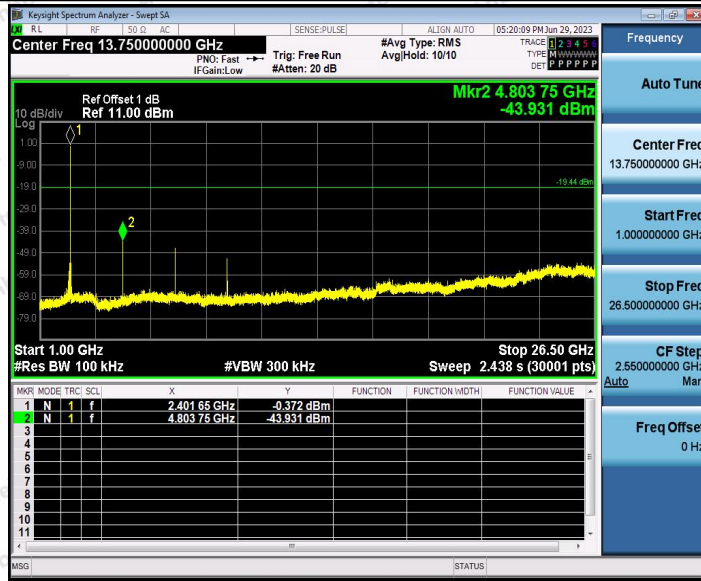


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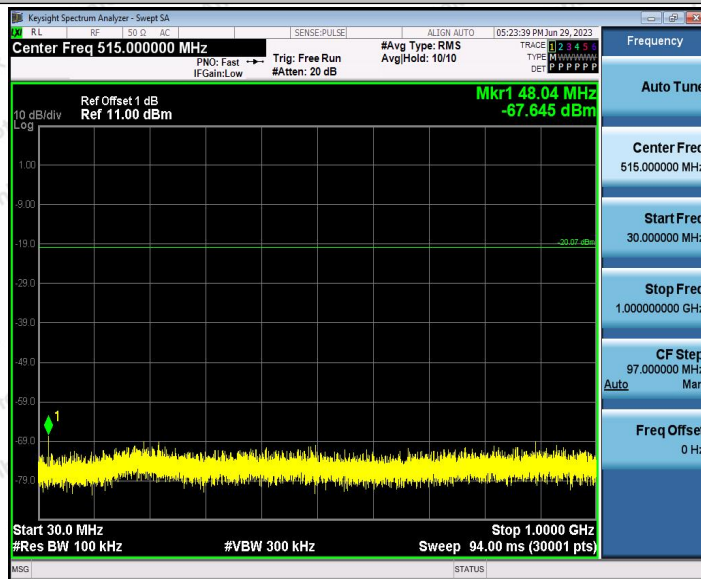




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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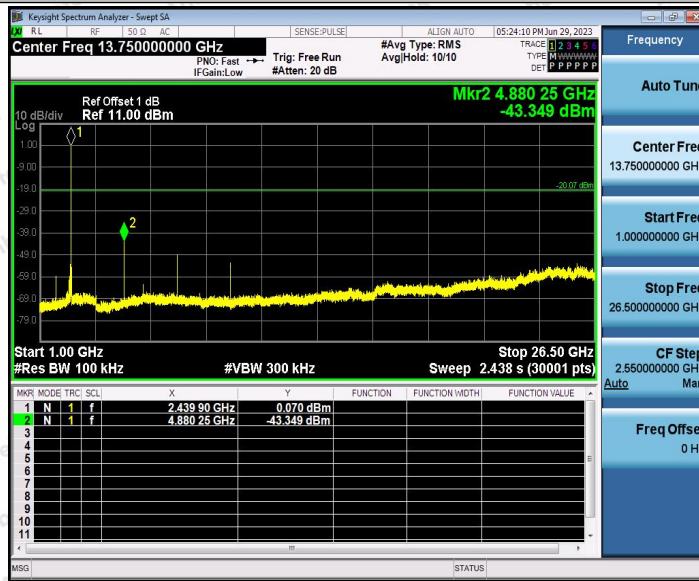
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

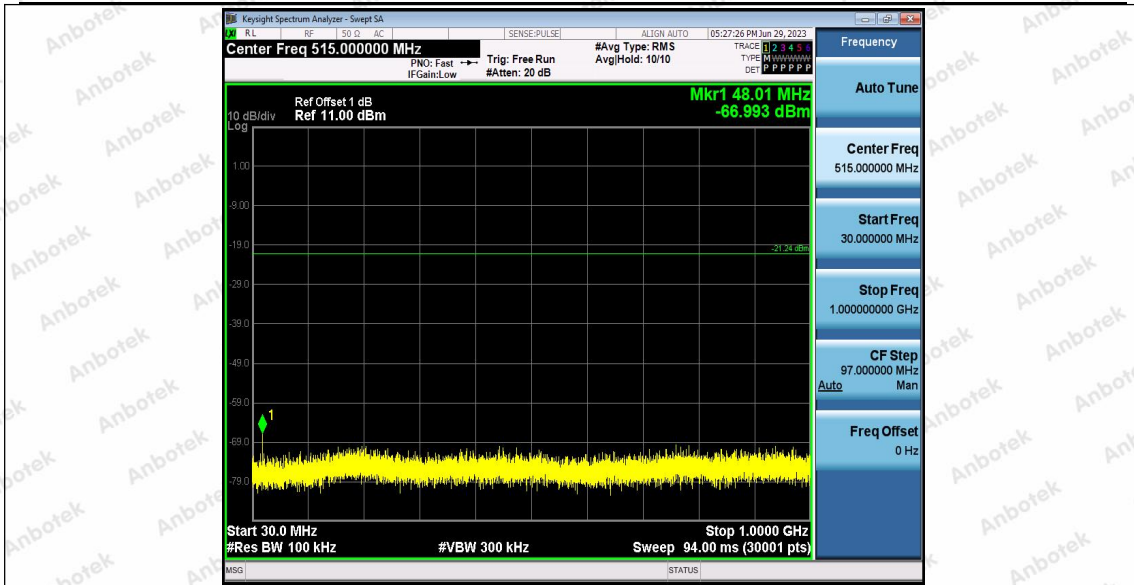
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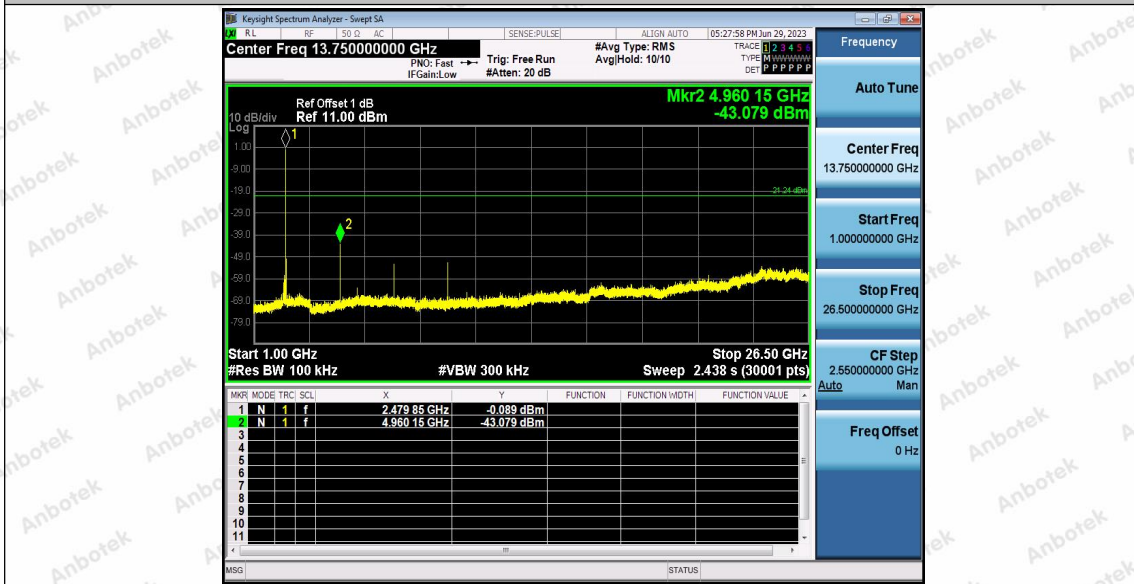


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BLE_1M_Ant1_2480_1000~26500



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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	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00

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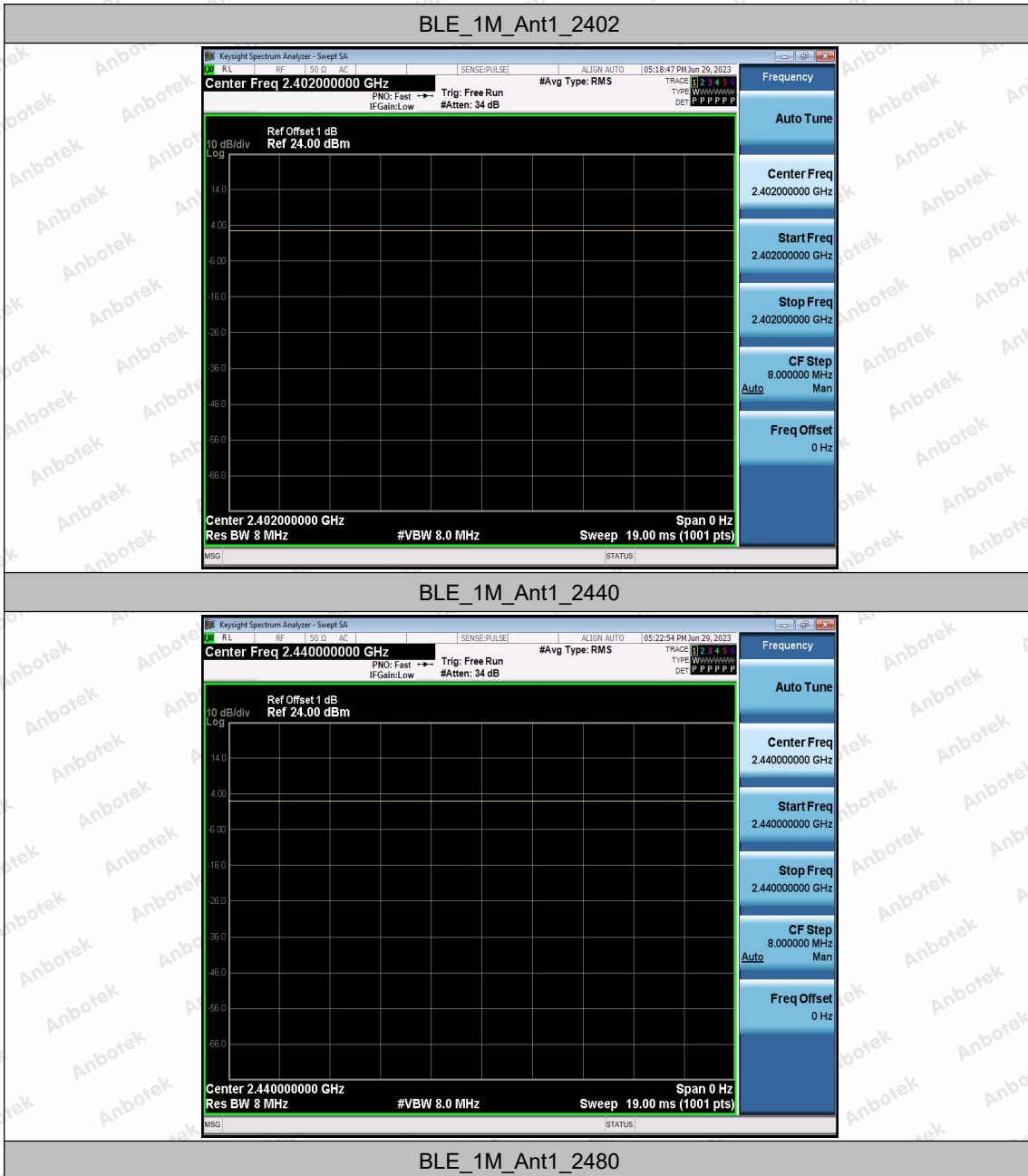
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Test Graphs

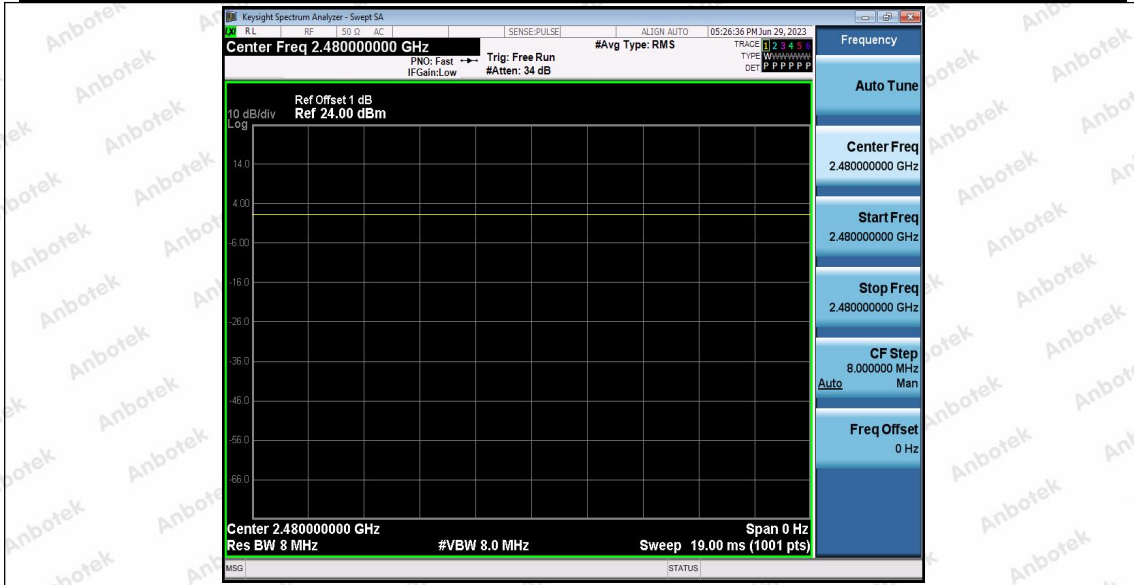


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