

Appendix Test Data

Report No.:	18220WC30081301	Test Sample No.:	1-2-2
Start Test Date:	2023.05.10	Finish Test Date:	2023.06.06
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.3°C	Relative Humidity:	47%
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	2401.628	2402.288	0.5	PASS
		2440	0.660	2439.624	2440.284	0.5	PASS
		2480	0.660	2479.624	2480.284	0.5	PASS

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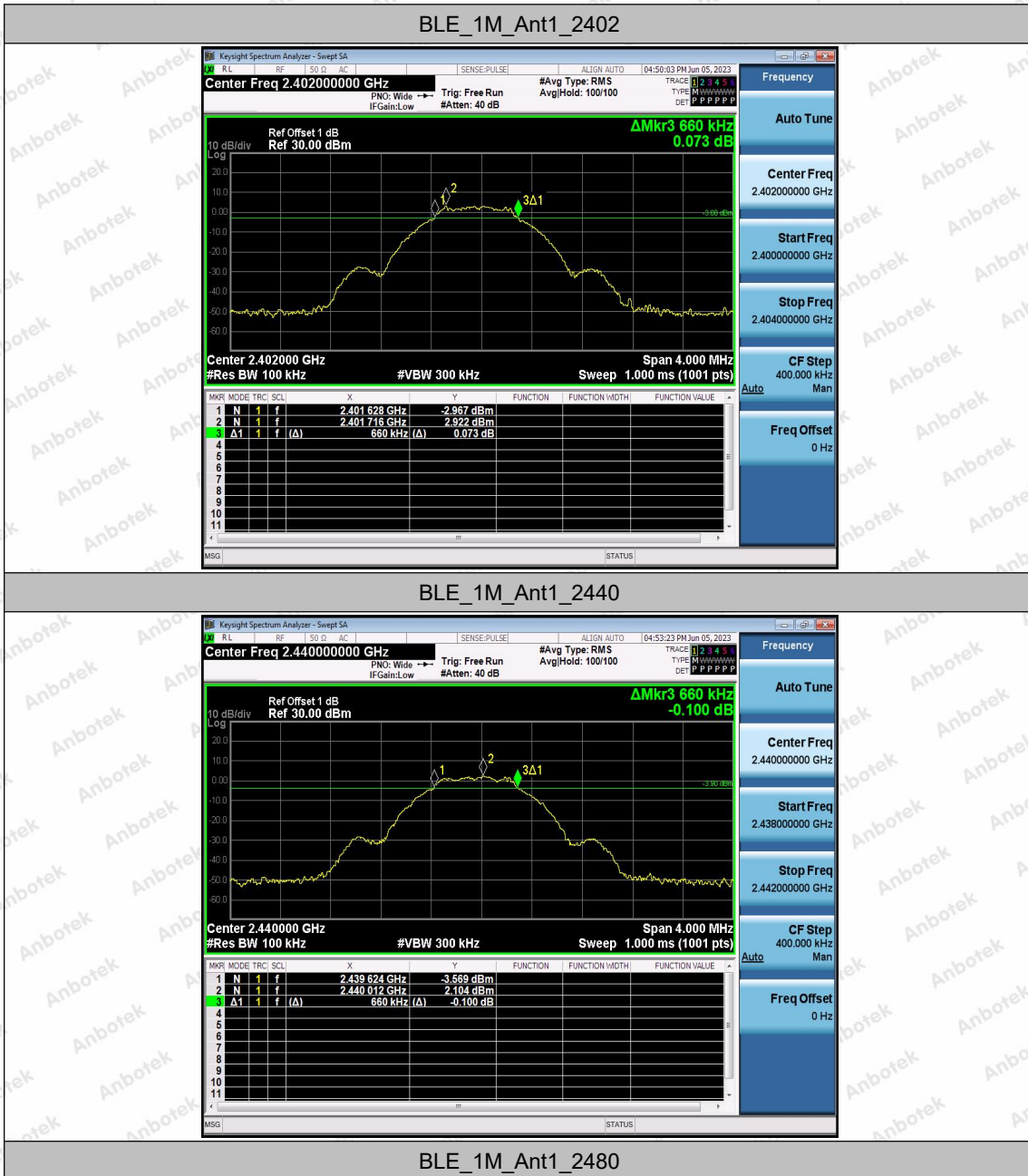
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Test Graphs

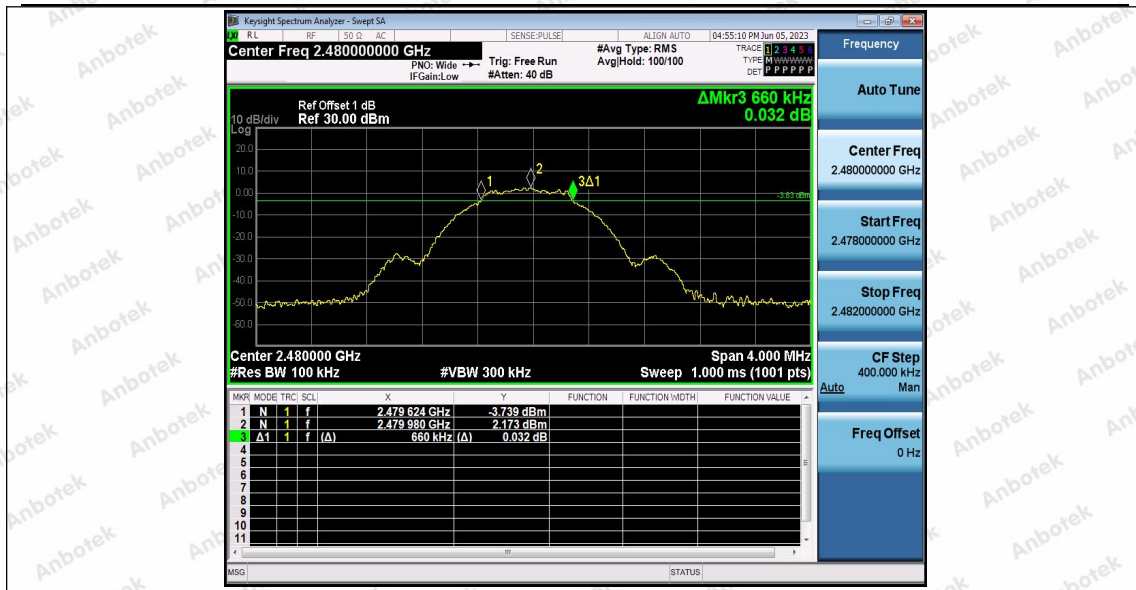


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0267	2401.4470	2402.4737
		2440	1.0261	2439.4421	2440.4682
		2480	1.0198	2479.4436	2480.4634

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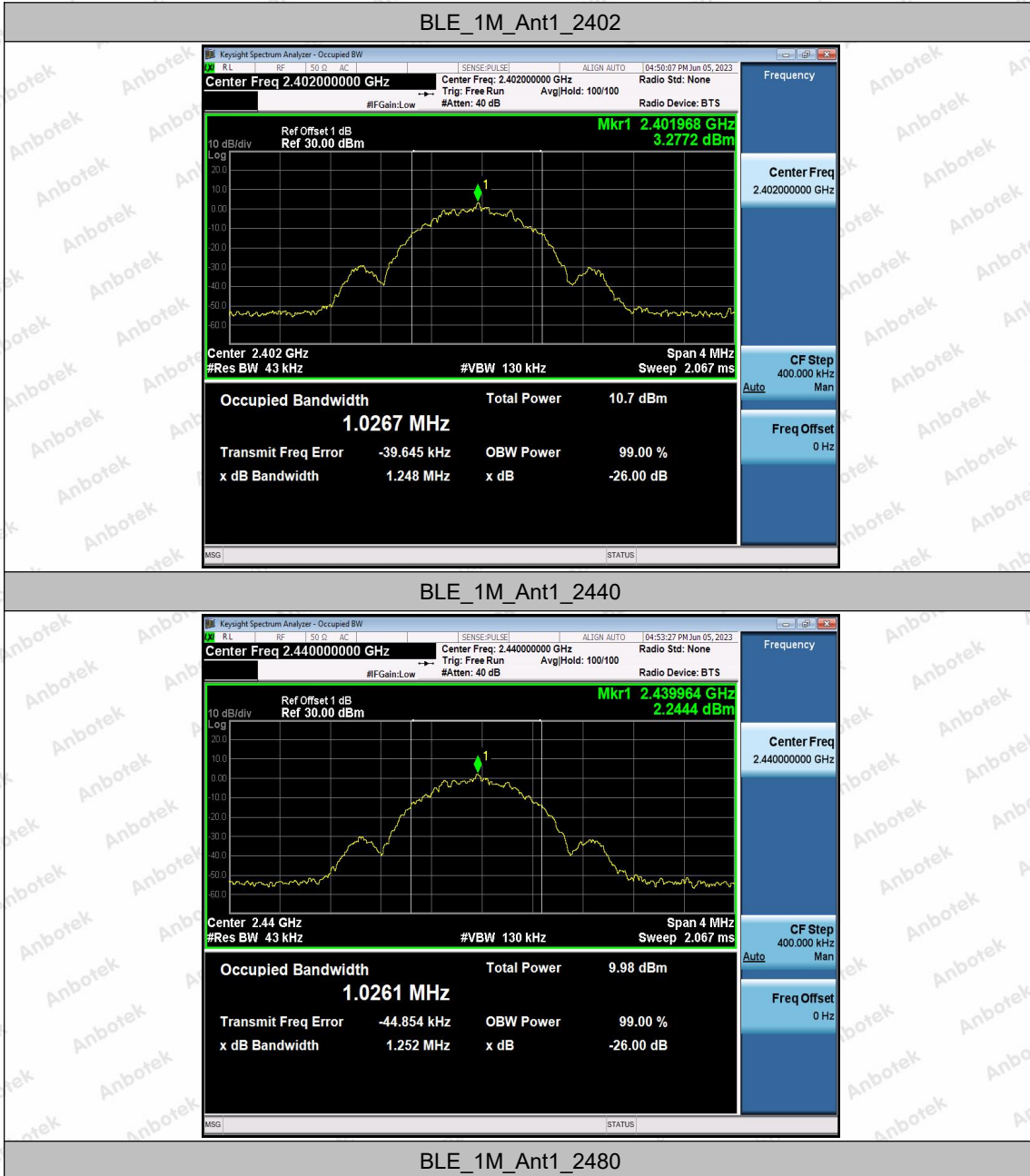
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Test Graphs



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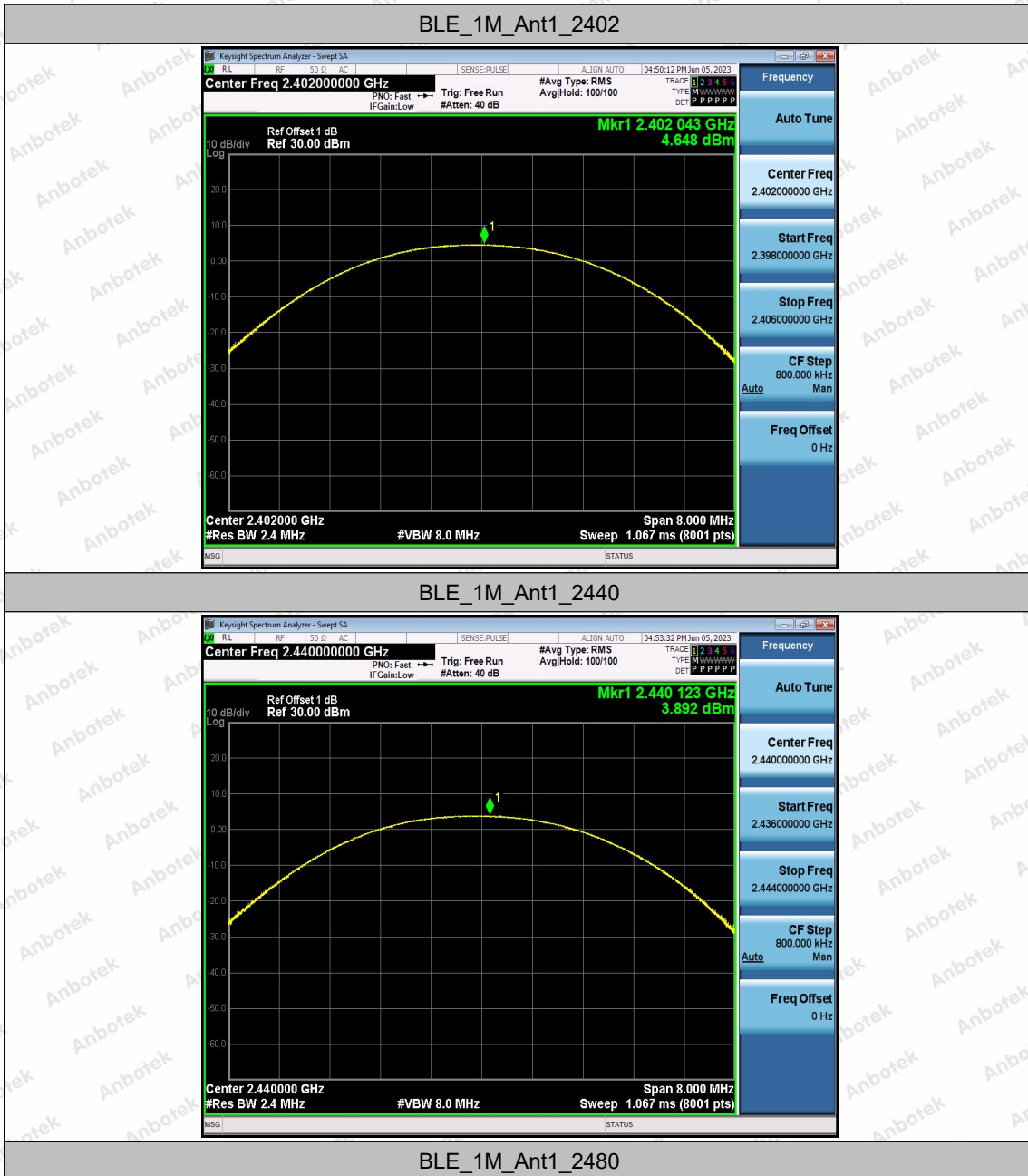
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.65	≤30	PASS
		2440	3.89	≤30	PASS
		2480	4.01	≤30	PASS



Test Graphs Peak

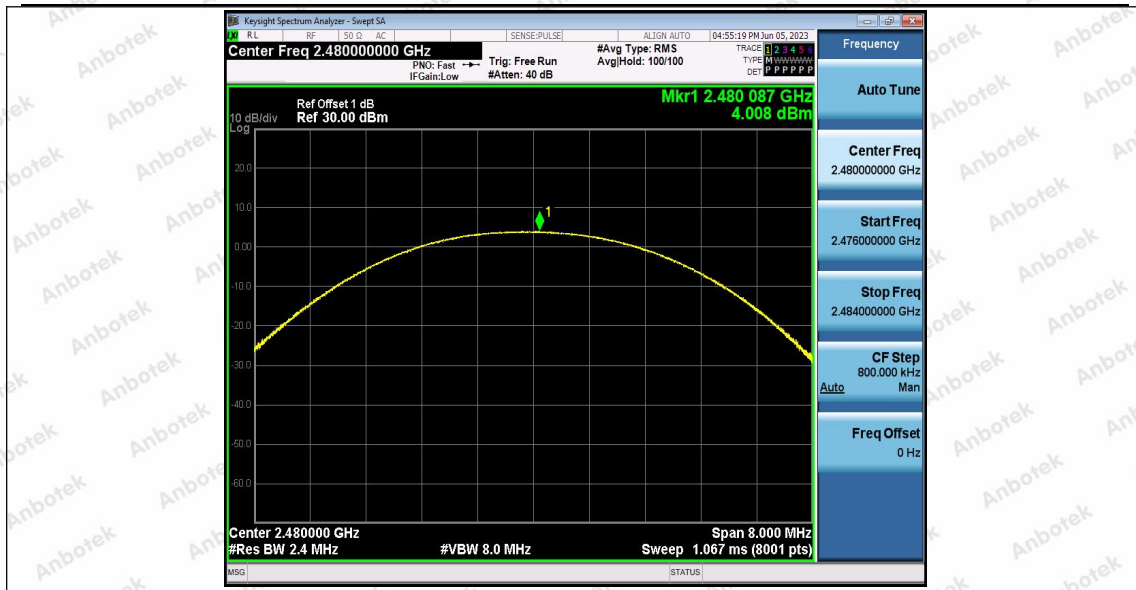


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.83	≤8.00	PASS
		2440	-11.37	≤8.00	PASS
		2480	-11.44	≤8.00	PASS



Test Graphs



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	4.25	-50.29	≤-15.75	PASS
		High	2480	2.79	-55.79	≤-17.21	PASS

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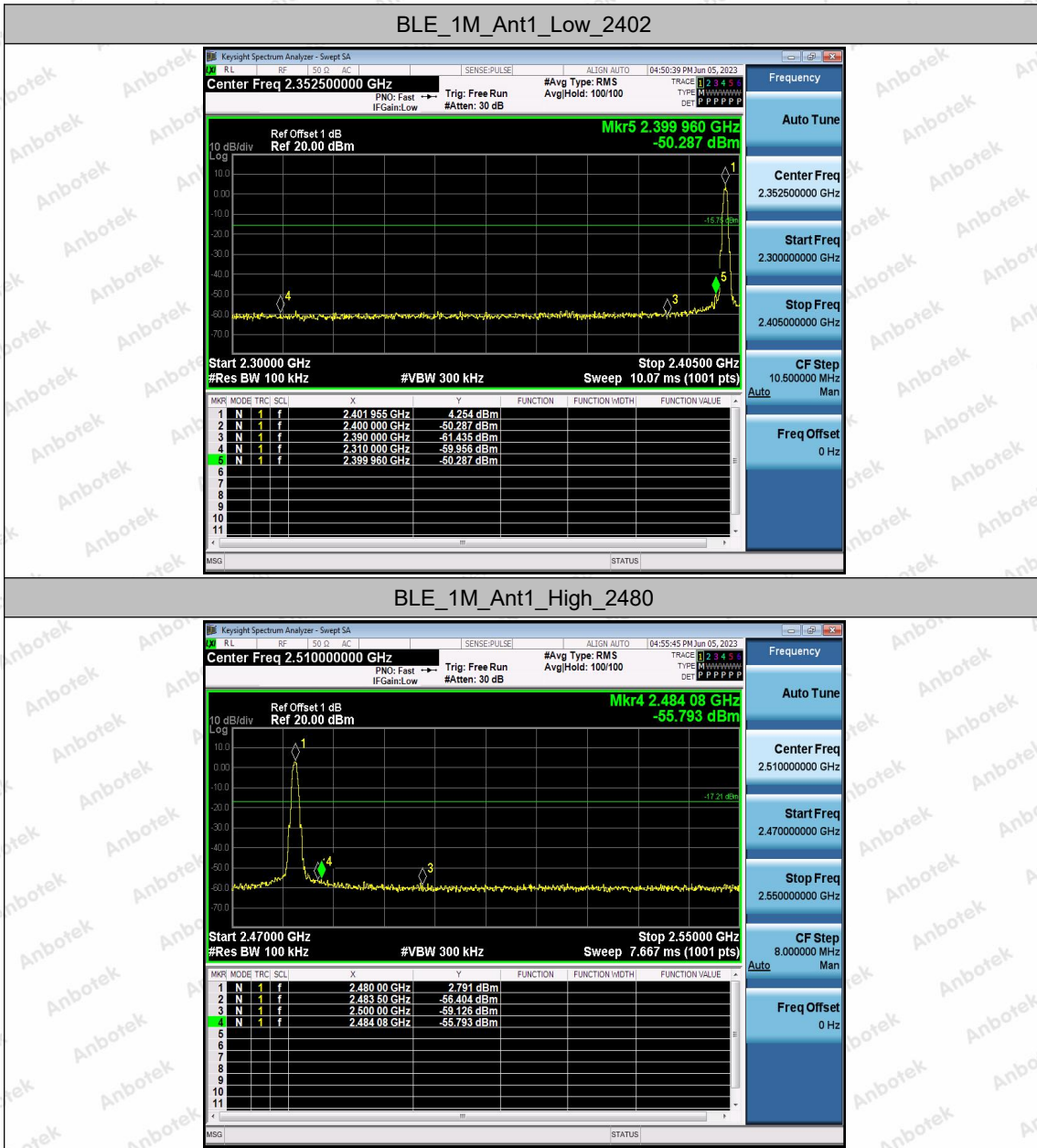
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-68.91	≤-17.31	PASS
			1000~26500	2.69	-53.21	≤-17.31	PASS
		2440	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-69.67	≤-18.62	PASS
			1000~26500	1.38	-53.53	≤-18.62	PASS
		2480	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-70.01	≤-16.59	PASS
			1000~26500	3.41	-53.16	≤-16.59	PASS

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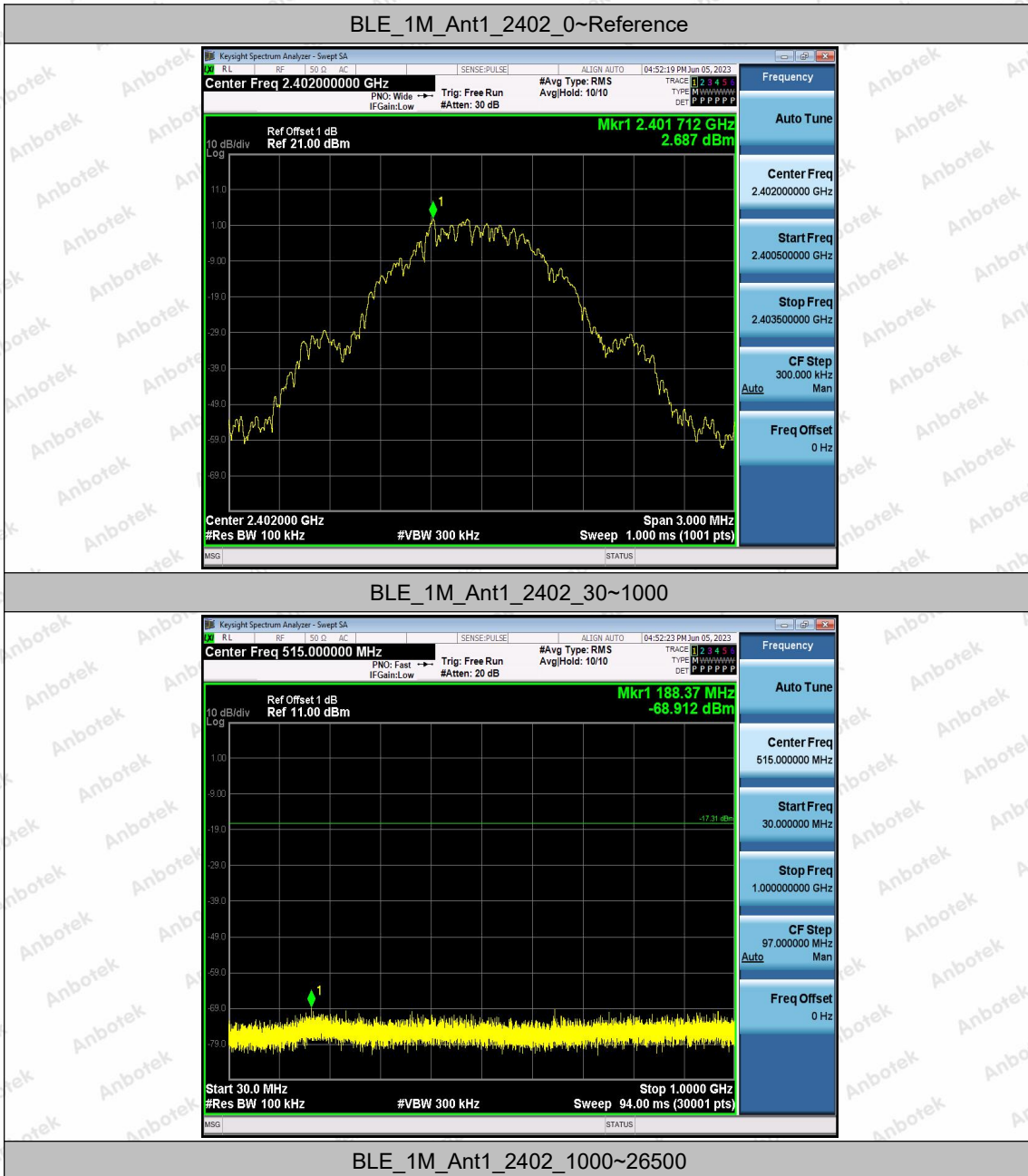
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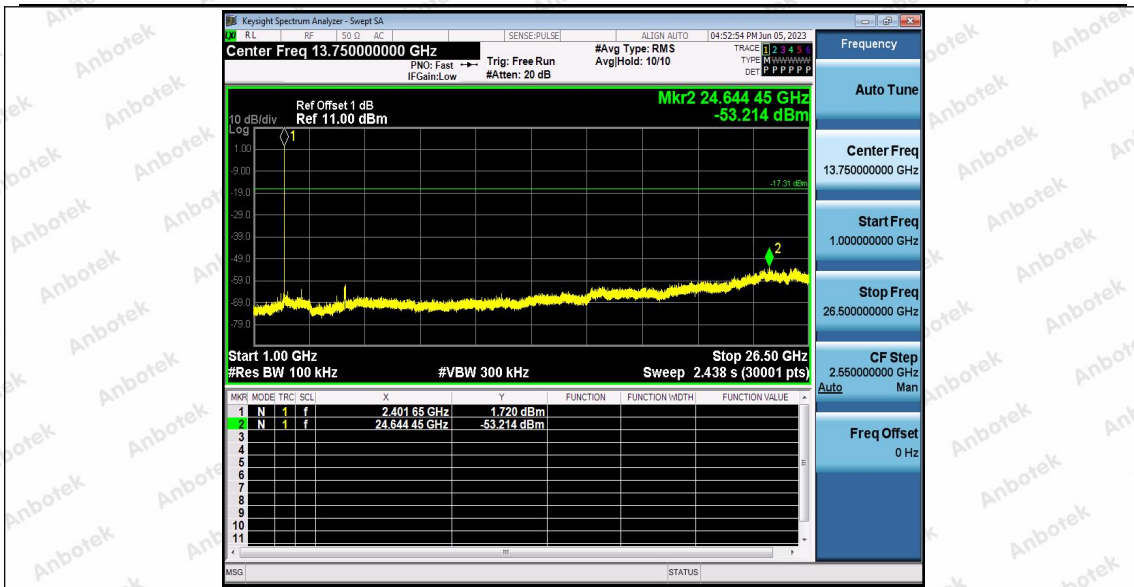


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BLE_1M_Ant1_2440_0~Reference



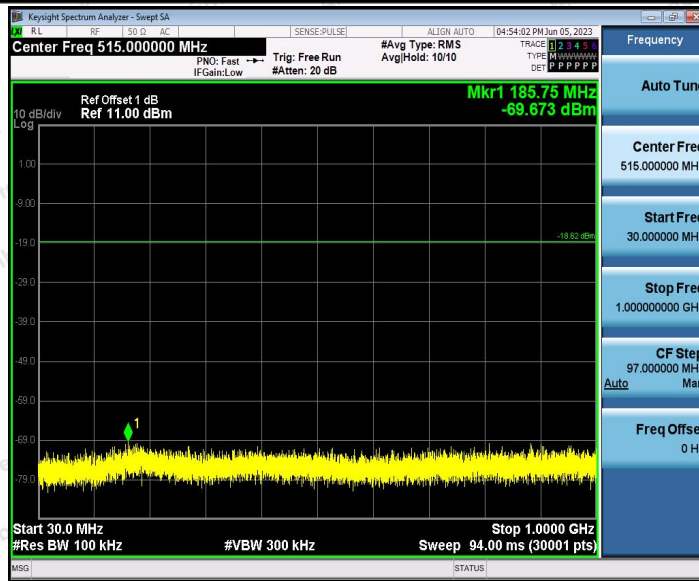
BLE_1M_Ant1_2440_30~1000

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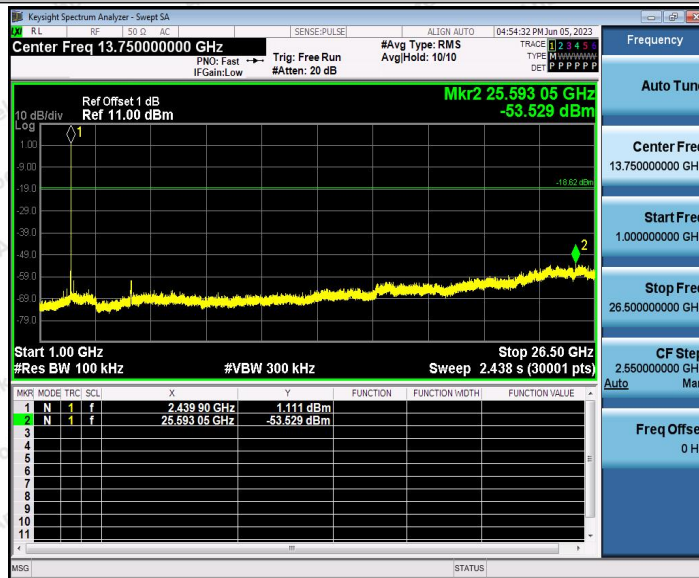
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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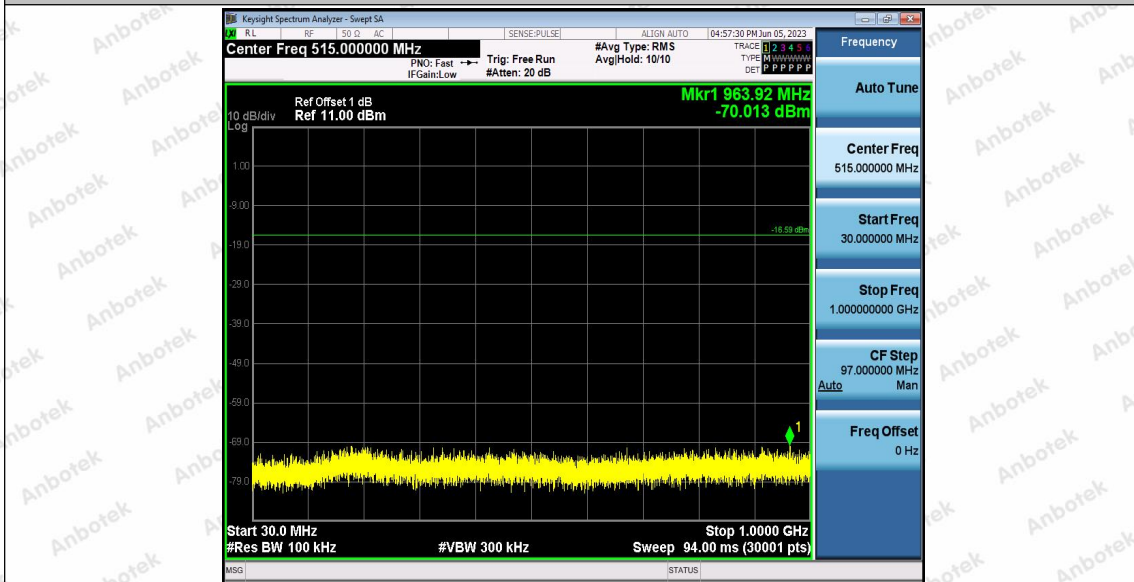
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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

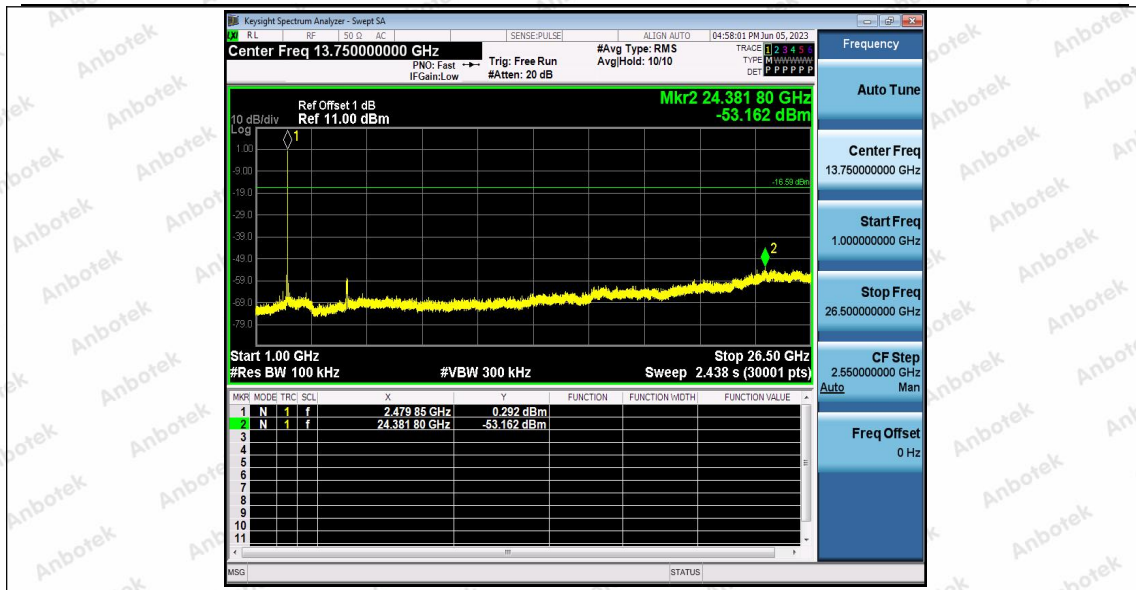
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76

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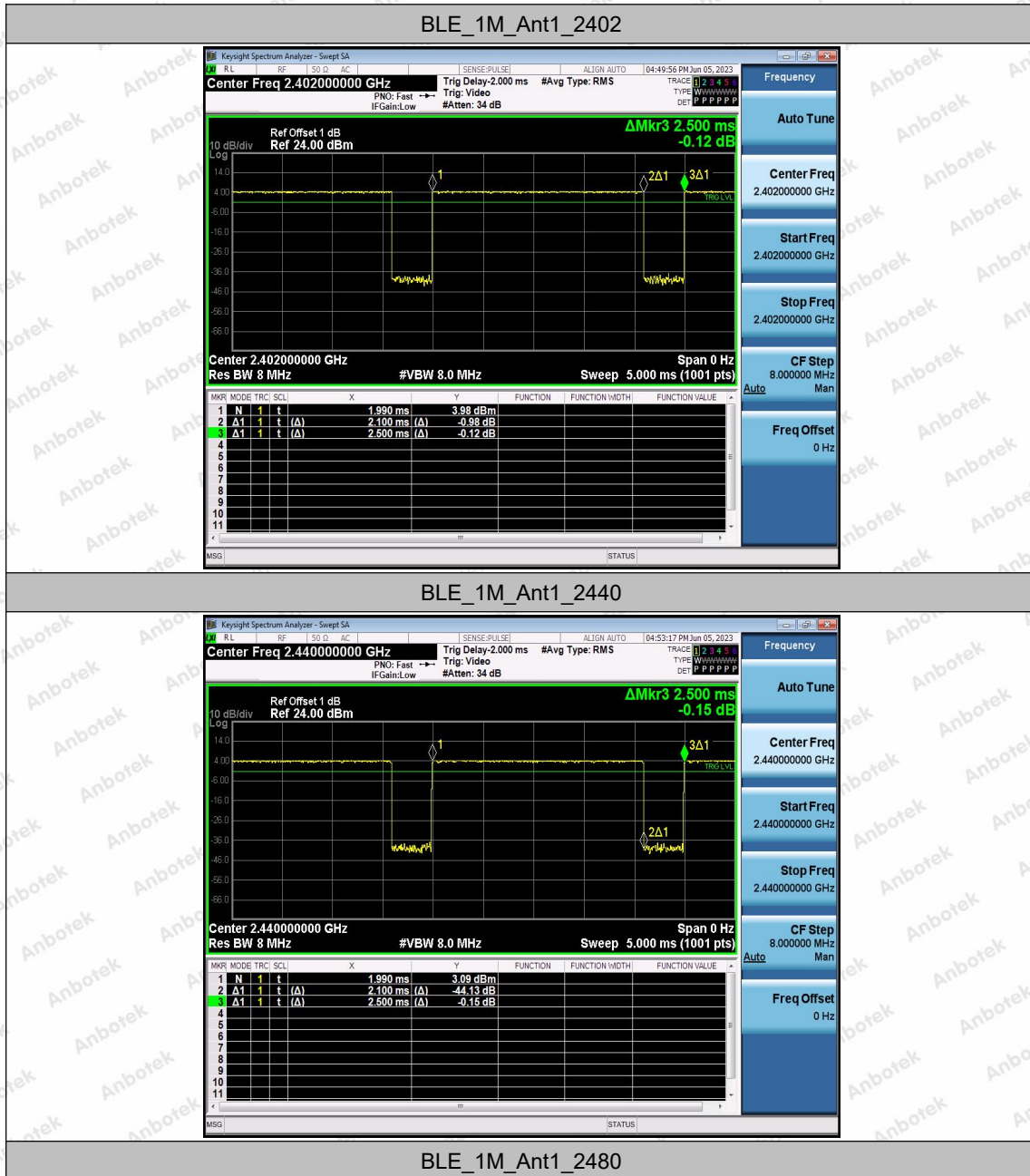
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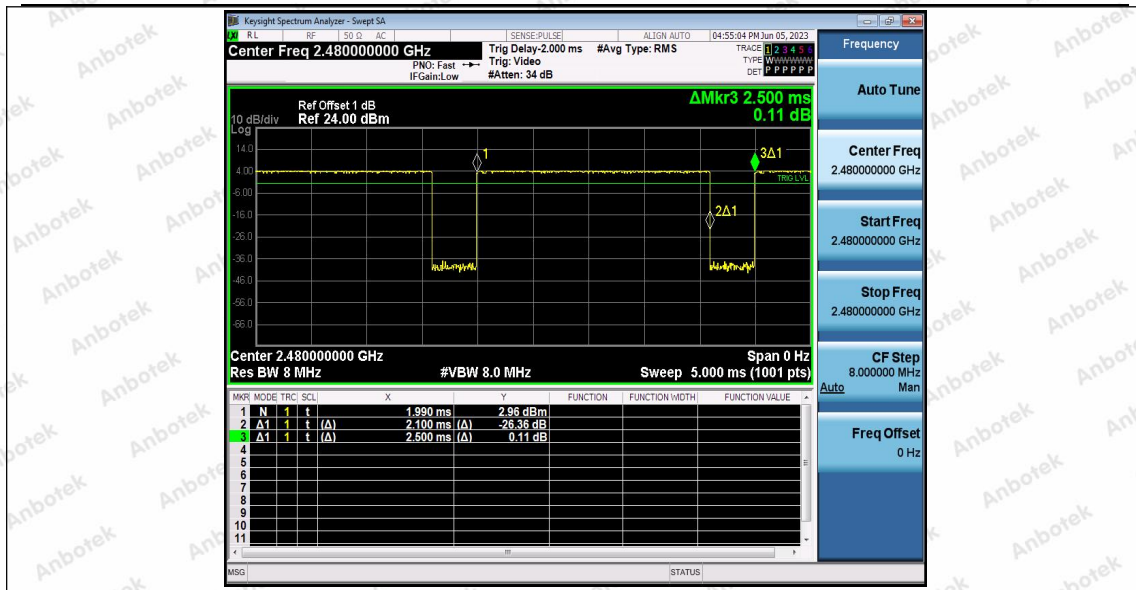


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