

Appendix Test Data

Report No.:	18220WC30173001	Test Sample No.:	1-2-2
Start Test Date:	2023.08.15	Finish Test Date:	2023.08.16
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	22.7°C	Relative Humidity:	57.8%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.628	2402.340	0.5	PASS
		2440	0.796	2439.600	2440.396	0.5	PASS
		2480	0.776	2479.632	2480.408	0.5	PASS

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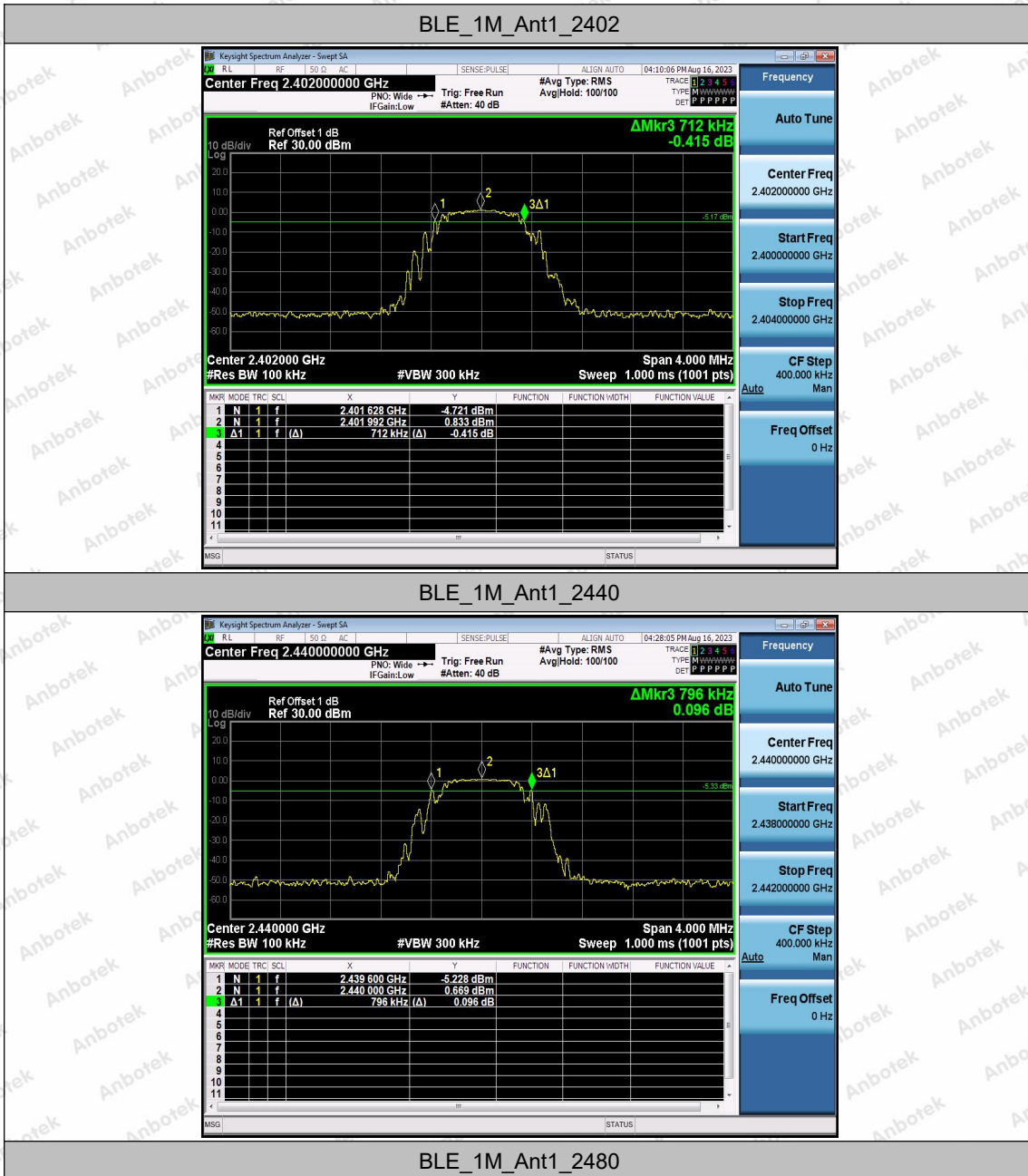
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Test Graphs



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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	0.72153	2401.6398	2402.3613
		2440	0.77010	2439.6154	2440.3855
		2480	0.74425	2479.6503	2480.3946

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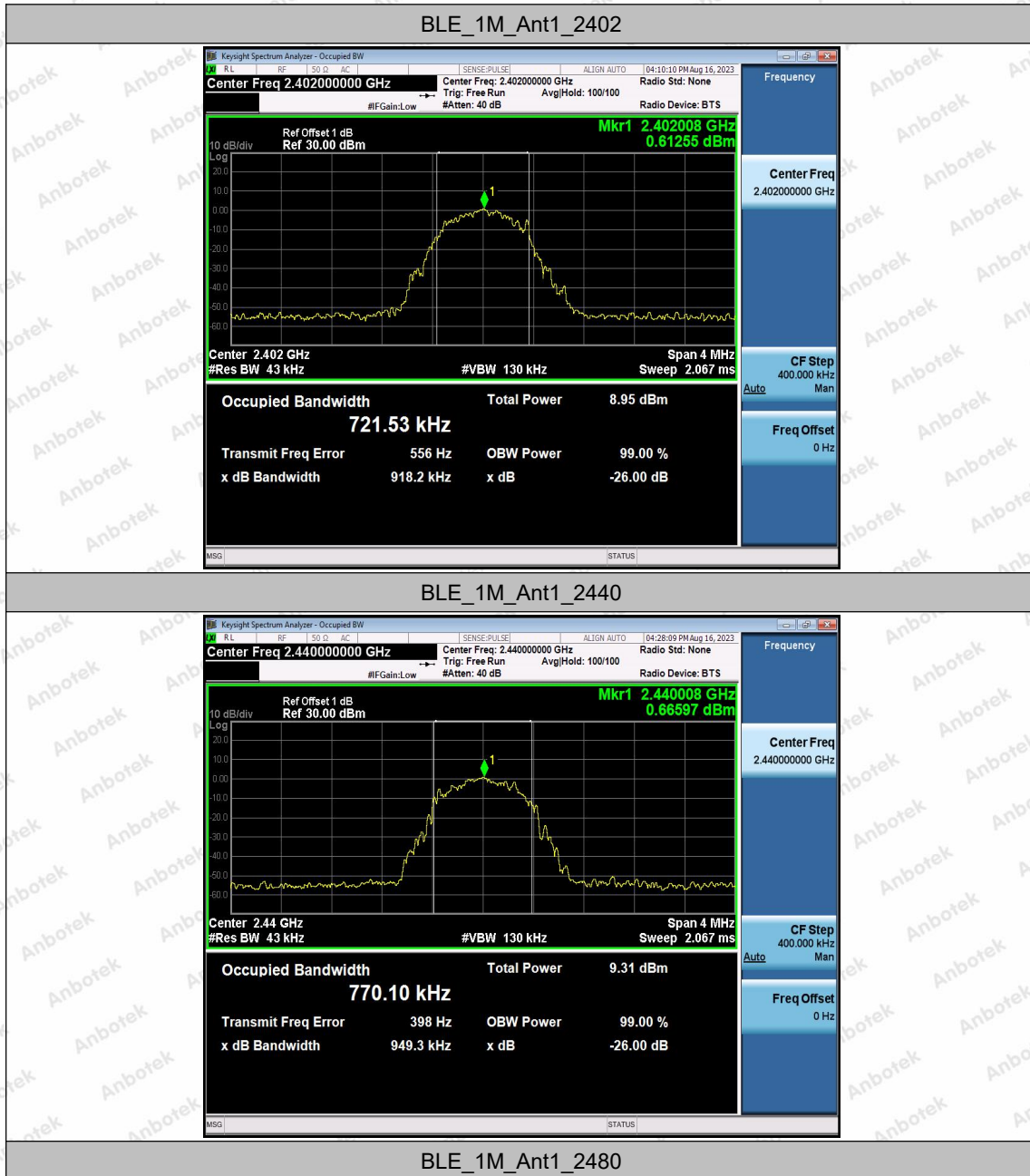
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Test Graphs

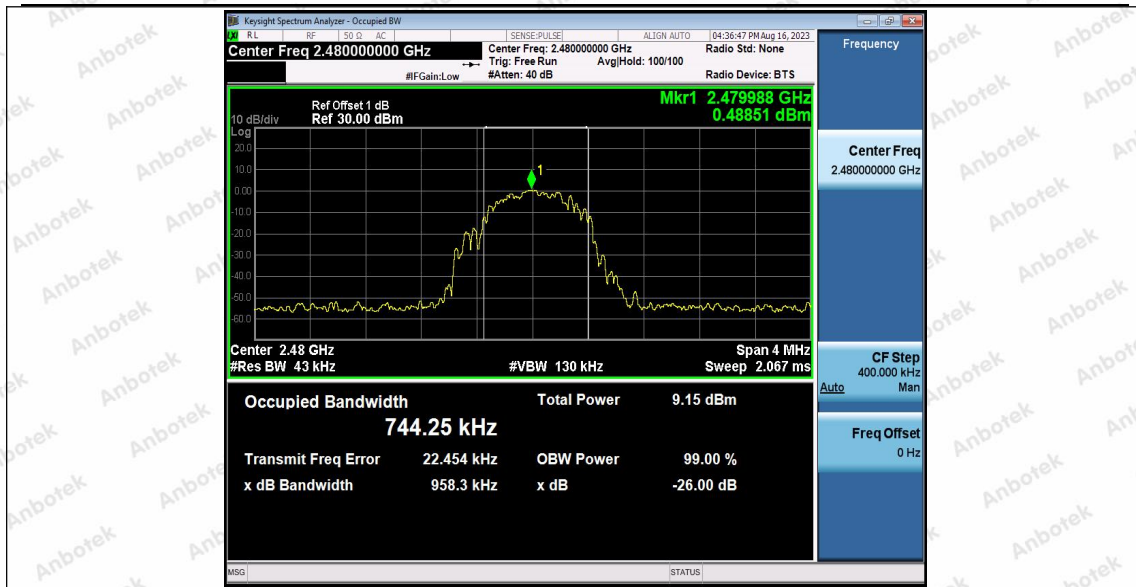


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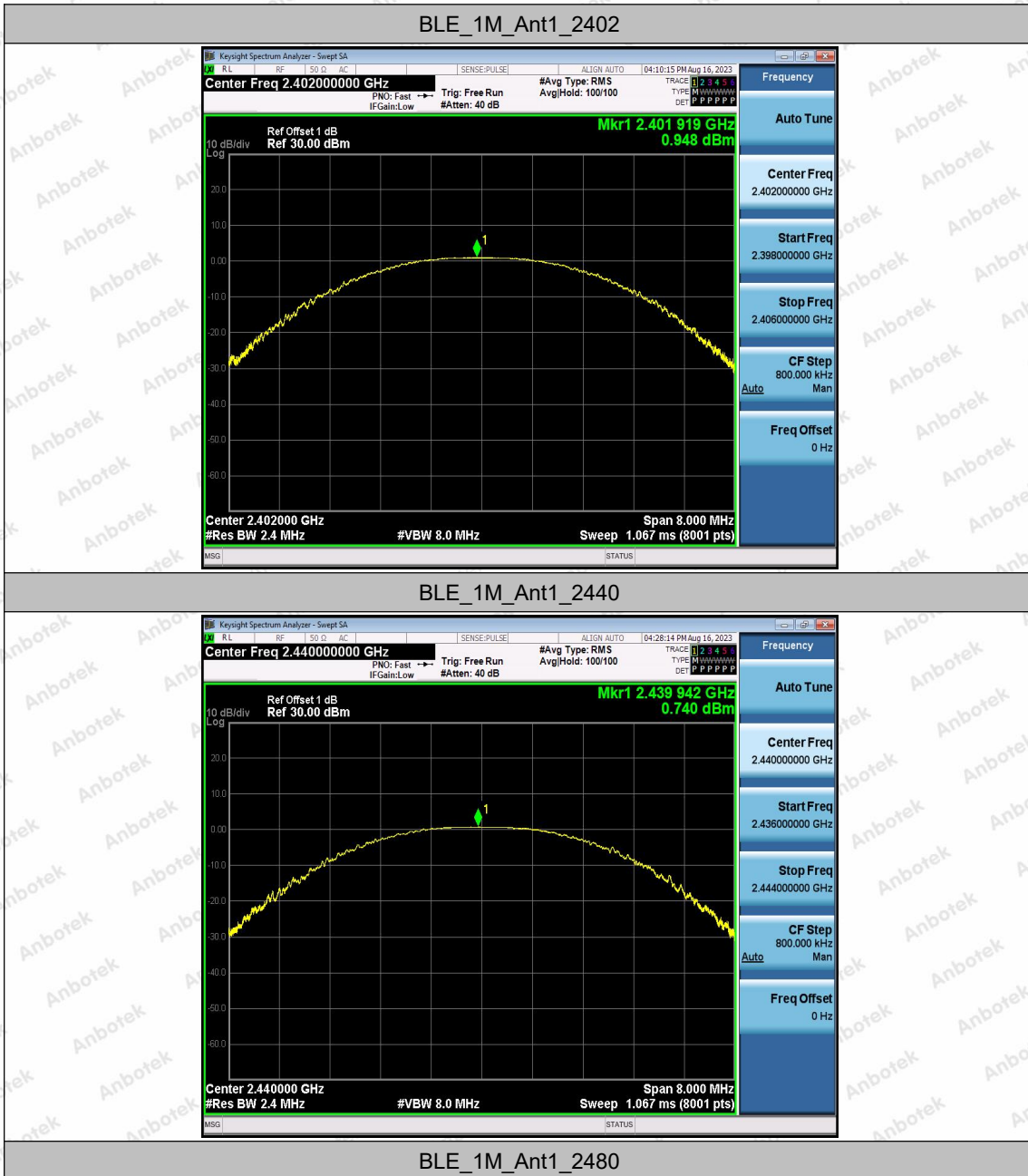
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.95	≤30	PASS
		2440	0.74	≤30	PASS
		2480	0.65	≤30	PASS



Test Graphs Peak



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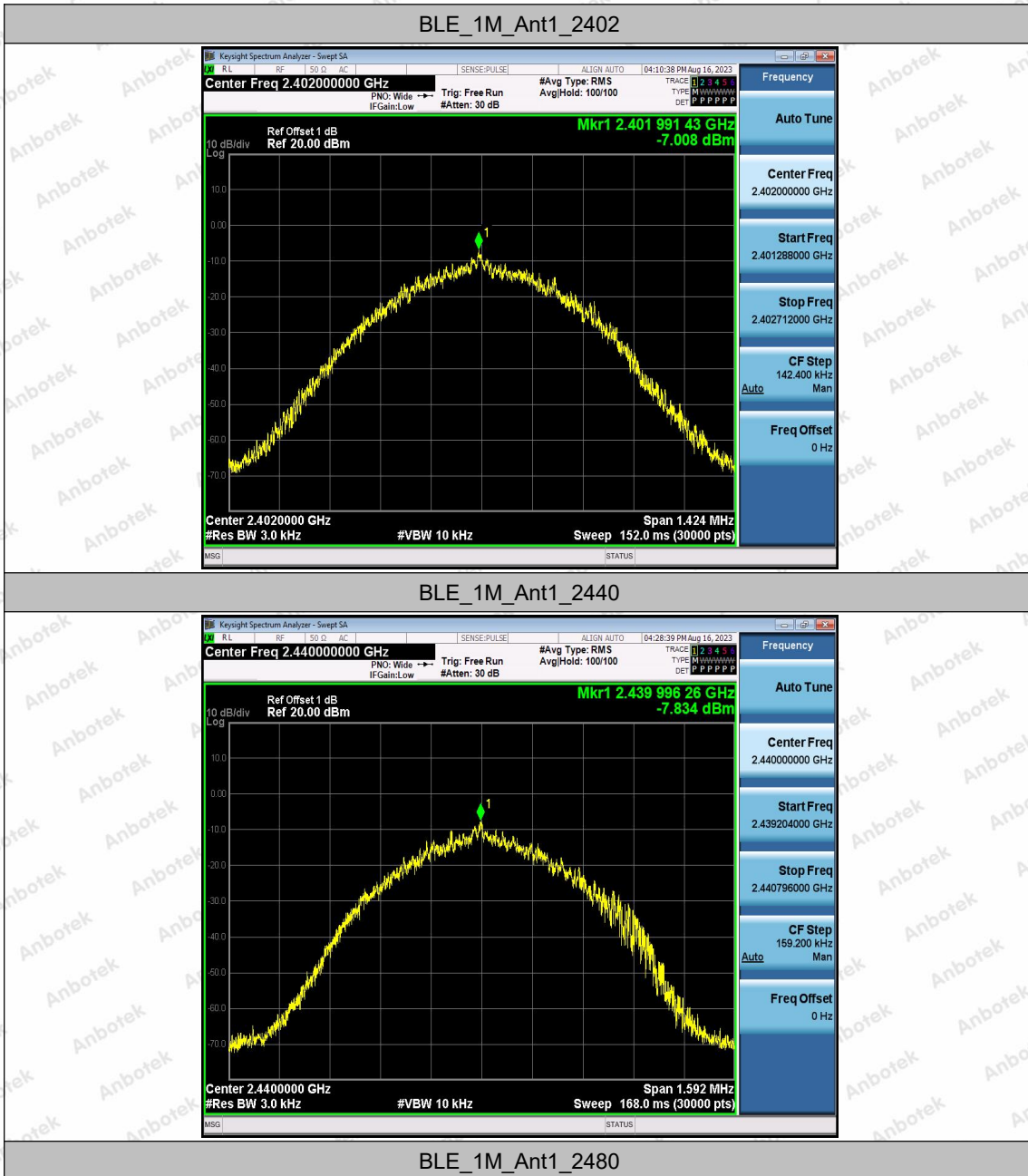
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.01	≤8.00	PASS
		2440	-7.83	≤8.00	PASS
		2480	-7.53	≤8.00	PASS



Test Graphs

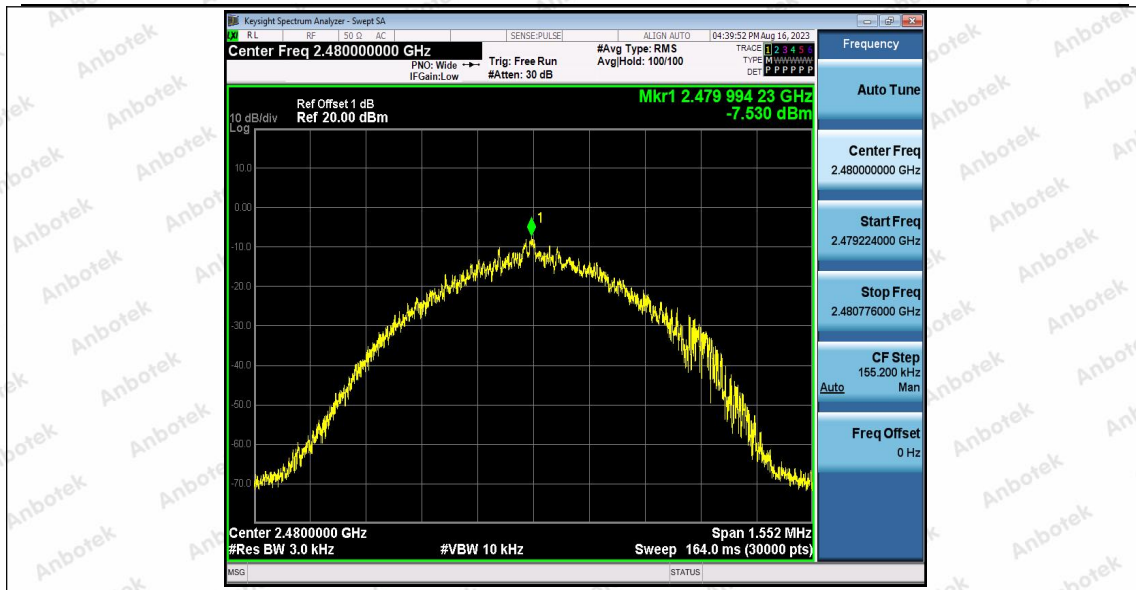


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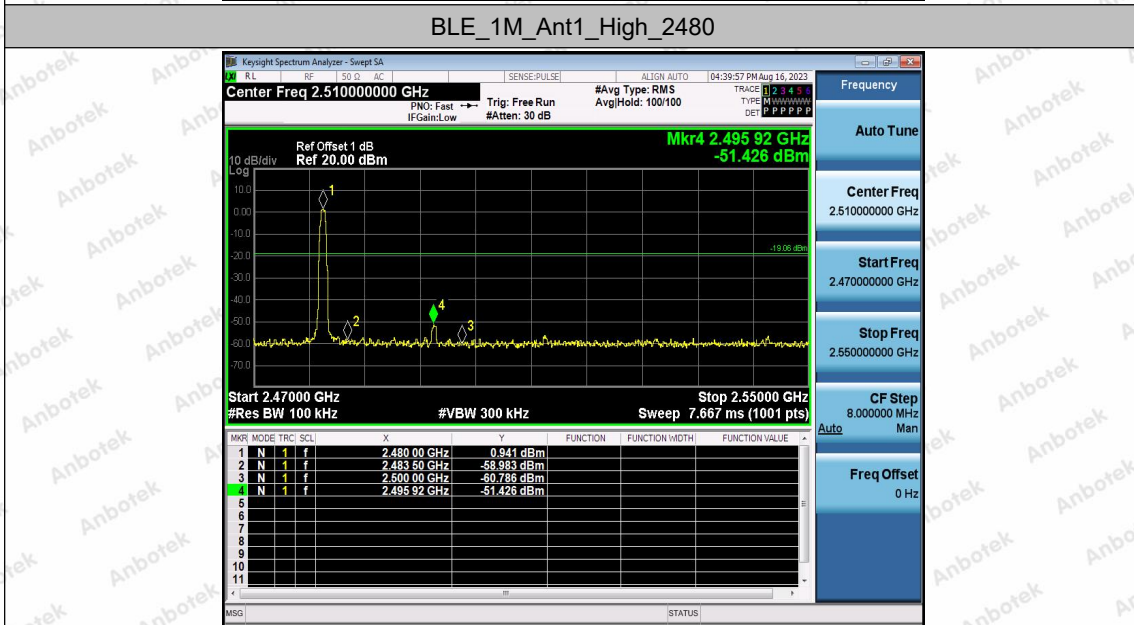
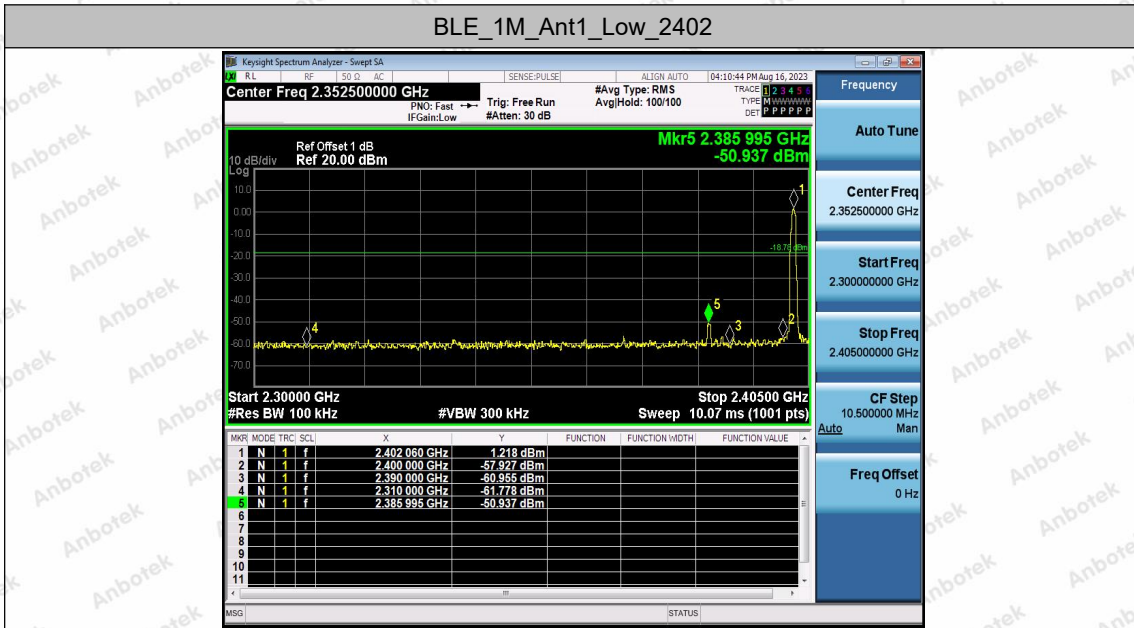
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.22	-50.94	≤-18.78	PASS
		High	2480	0.94	-51.43	≤-19.06	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	0.88	0.88	---	PASS
			30~1000	0.88	-68.78	≤-19.12	PASS
			1000~26500	0.88	-34.31	≤-19.12	PASS
		2440	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-68.56	≤-19.35	PASS
			1000~26500	0.65	-35.99	≤-19.35	PASS
		2480	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-67.51	≤-19.39	PASS
			1000~26500	0.61	-39.51	≤-19.39	PASS

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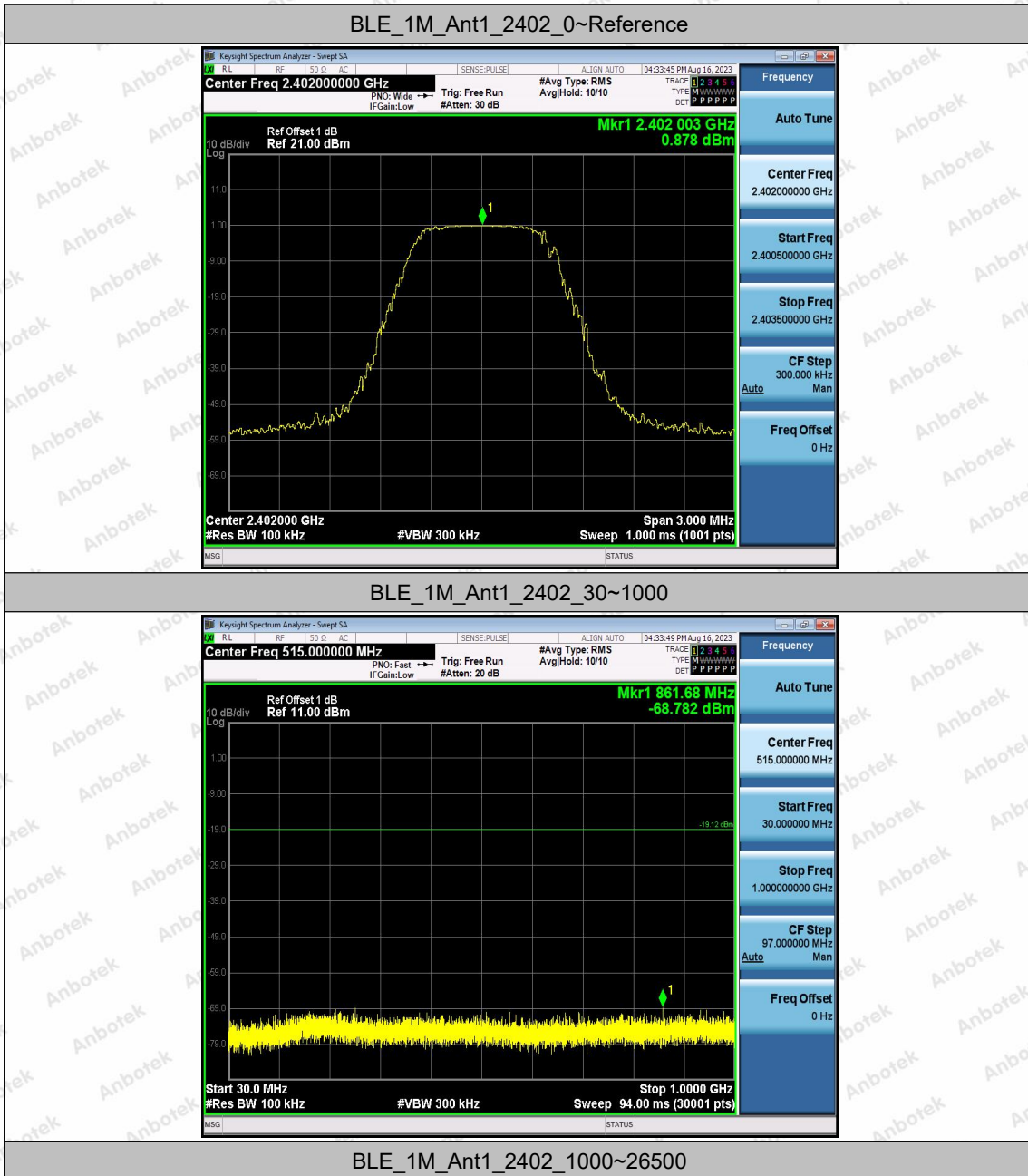
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Test Graphs

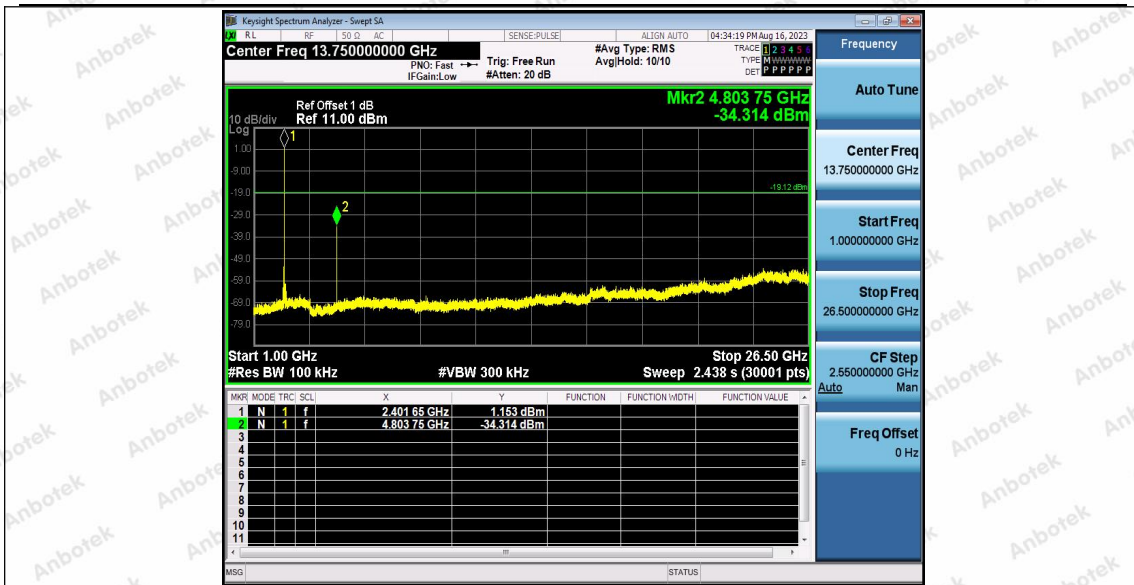


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BLE_1M_Ant1_2440_0~Reference



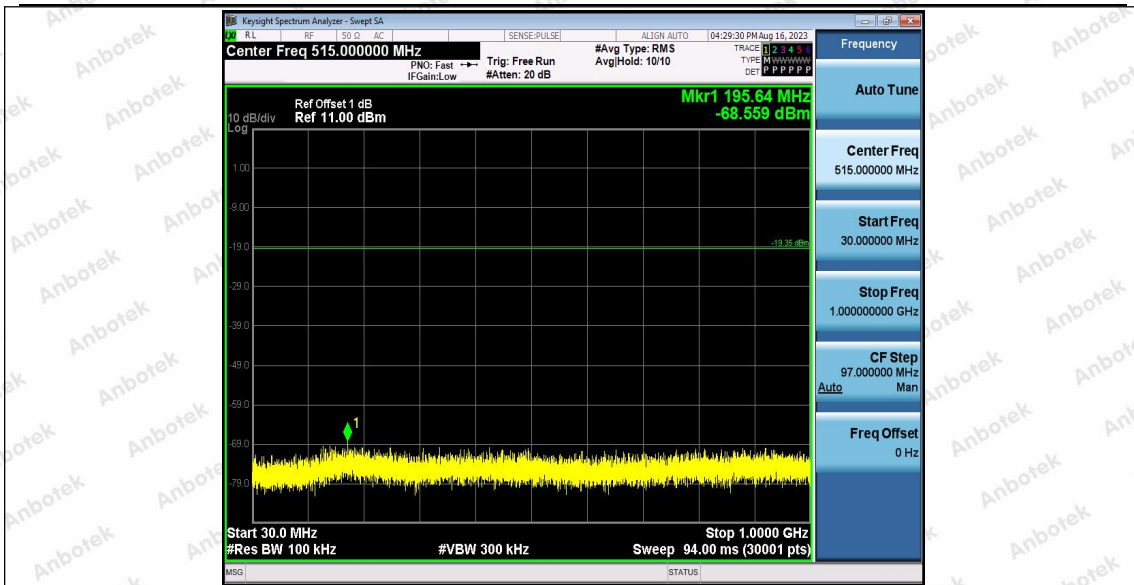
BLE_1M_Ant1_2440_30~1000

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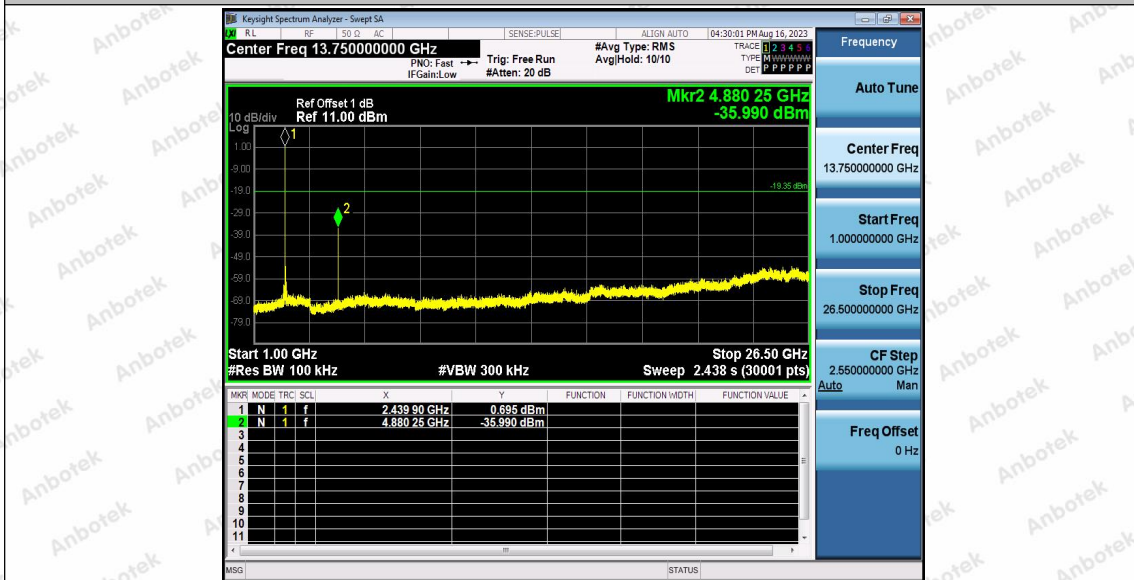
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BLE_1M_Ant1_2440_1000~26500



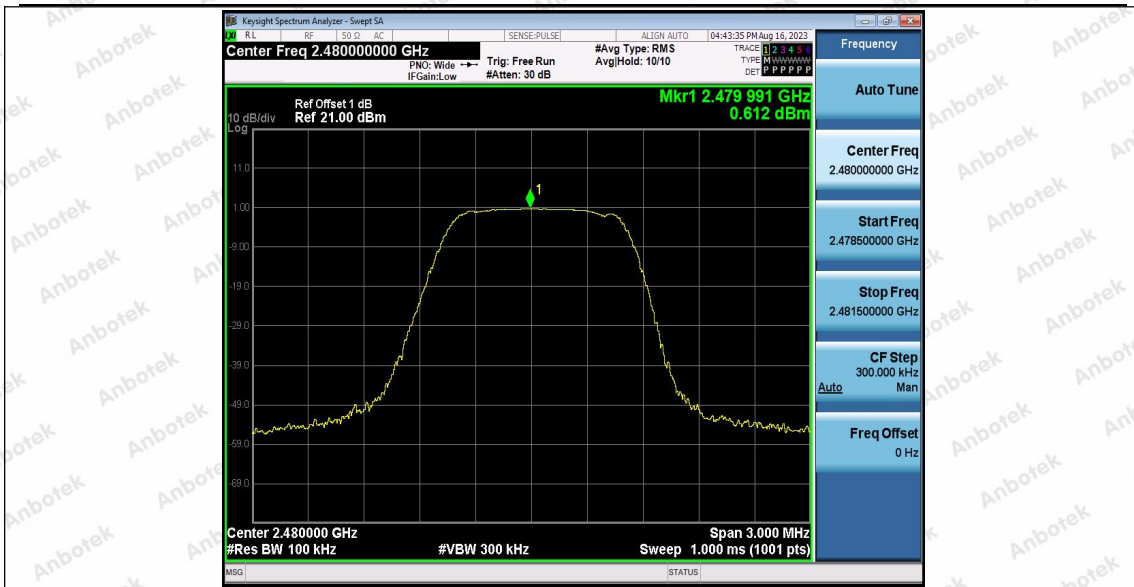
BLE_1M_Ant1_2480_0~Reference

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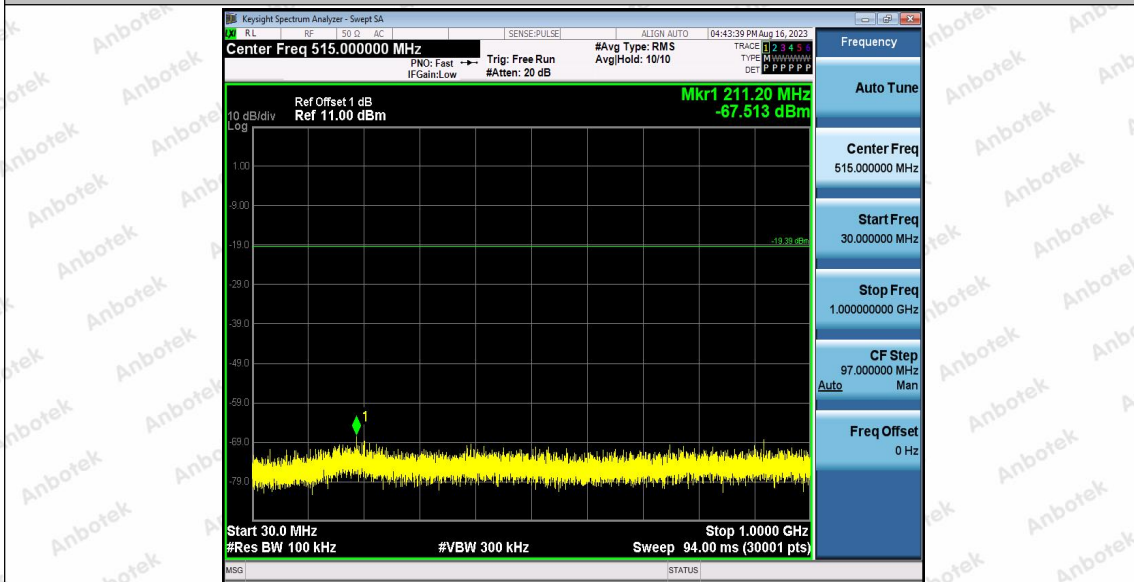
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BLE_1M_Ant1_2480_30~1000



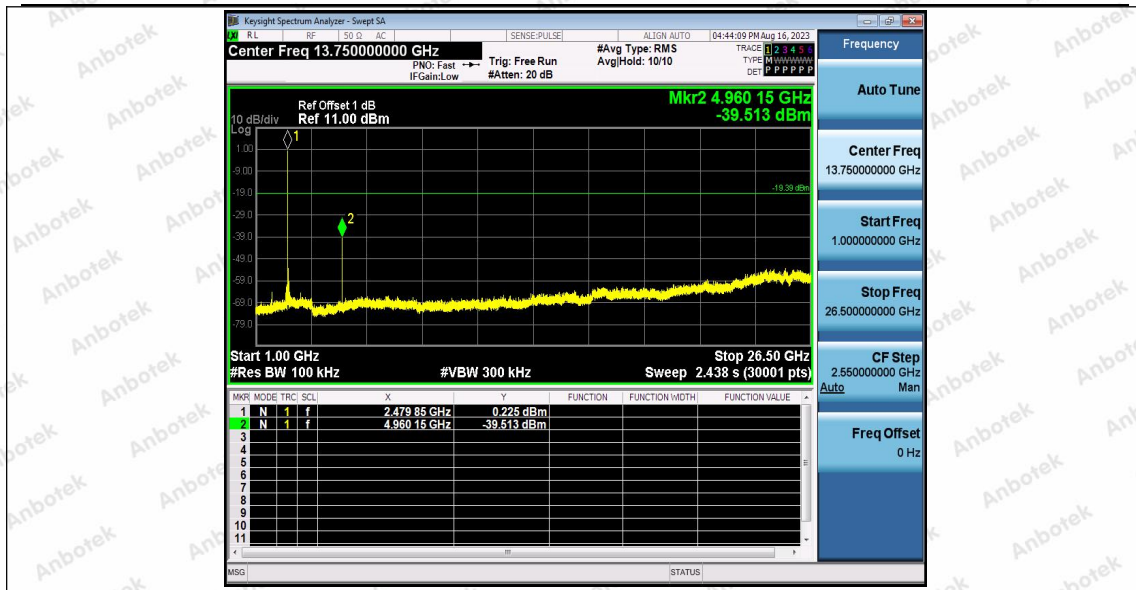
BLE_1M_Ant1_2480_1000~26500

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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	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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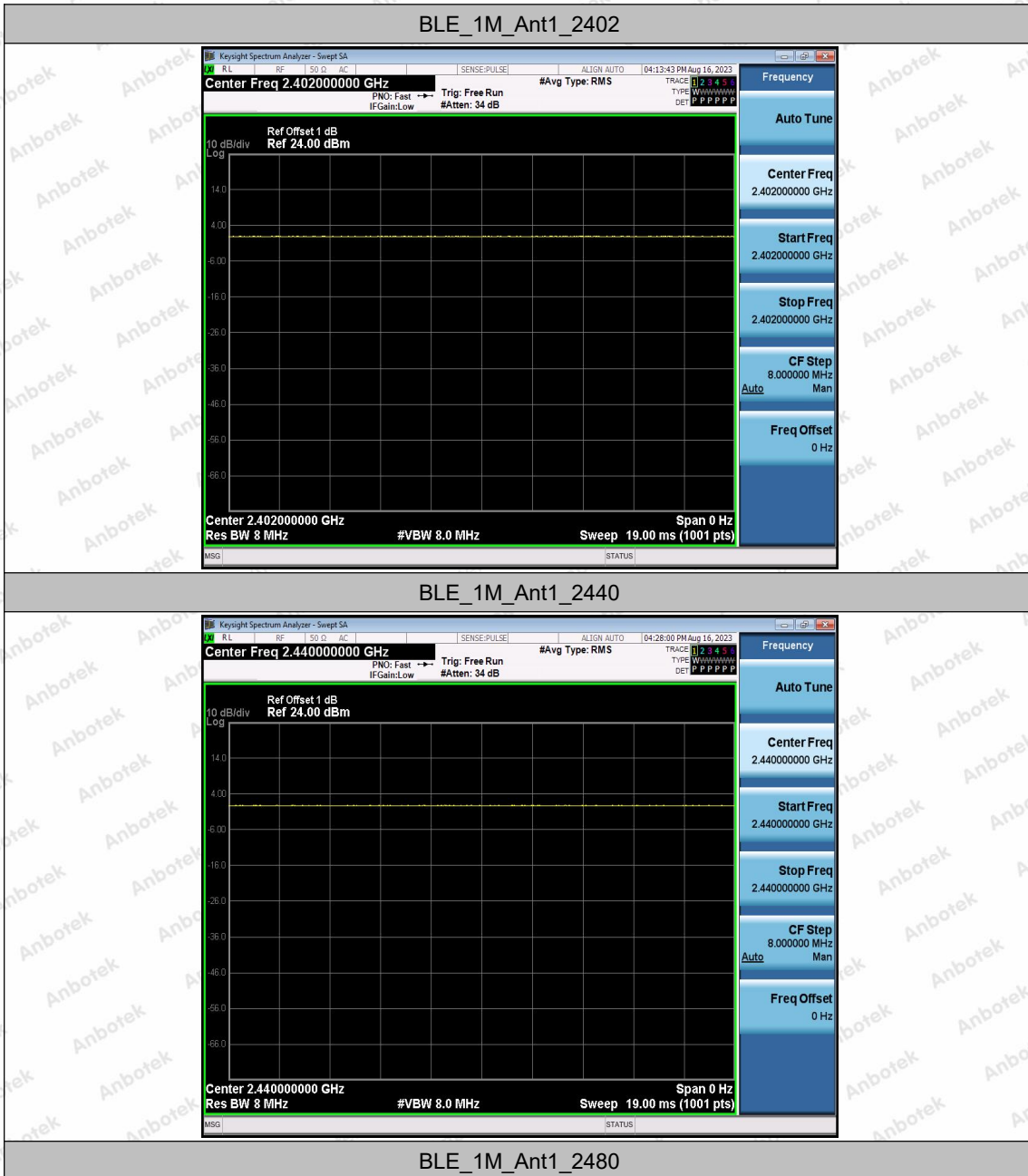
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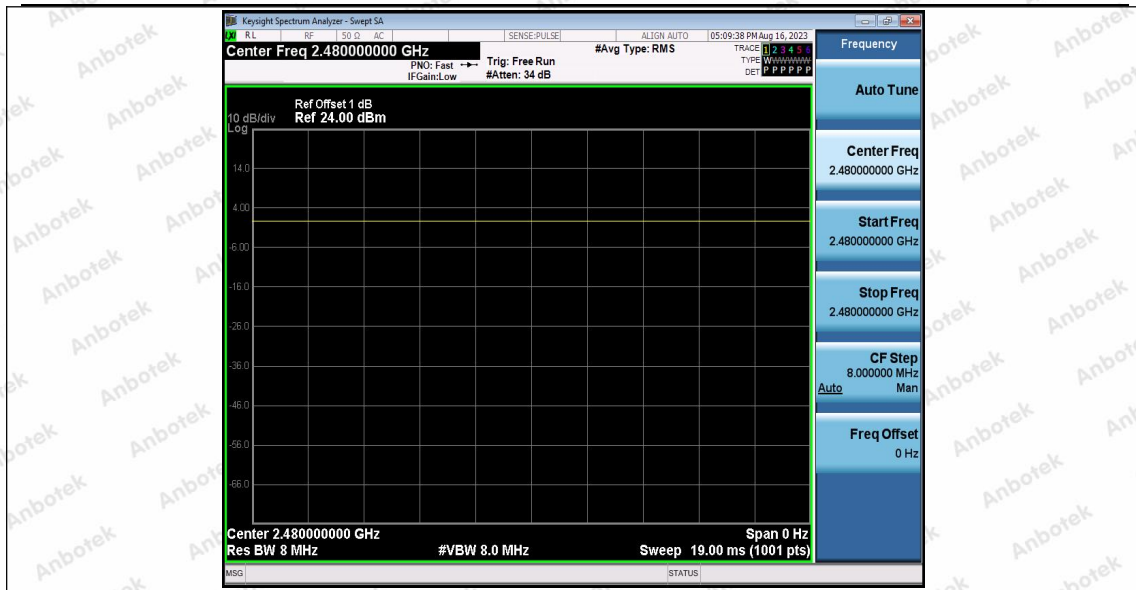


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