

Appendix Test Data

Report No.:	18220WC30173201	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:	25.6°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	0.820	2401.604	2402.424	0.5	PASS
		2440	0.836	2439.636	2440.472	0.5	PASS
		2480	0.752	2479.604	2480.356	0.5	PASS

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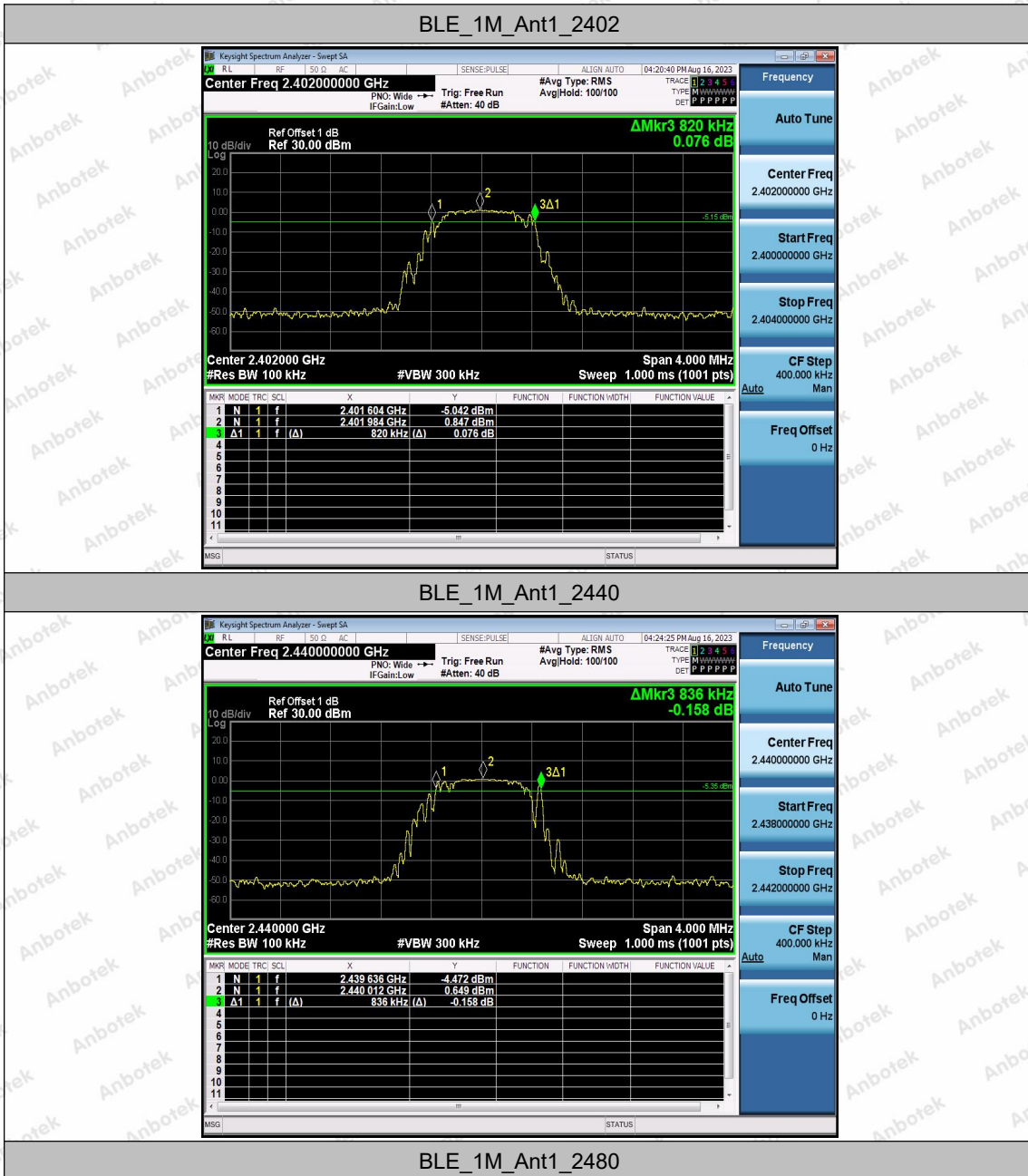
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Test Graphs



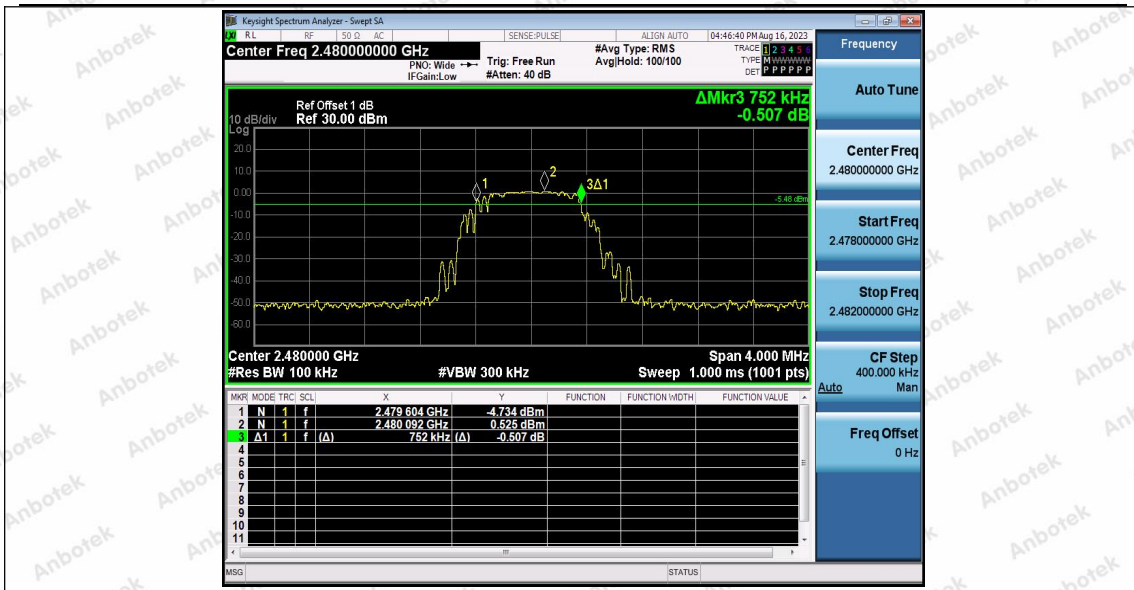
BLE_1M_Ant1_2480

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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	0.76124	2401.6242	2402.3854
		2440	0.77512	2439.6237	2440.3988
		2480	0.87380	2479.6002	2480.4740

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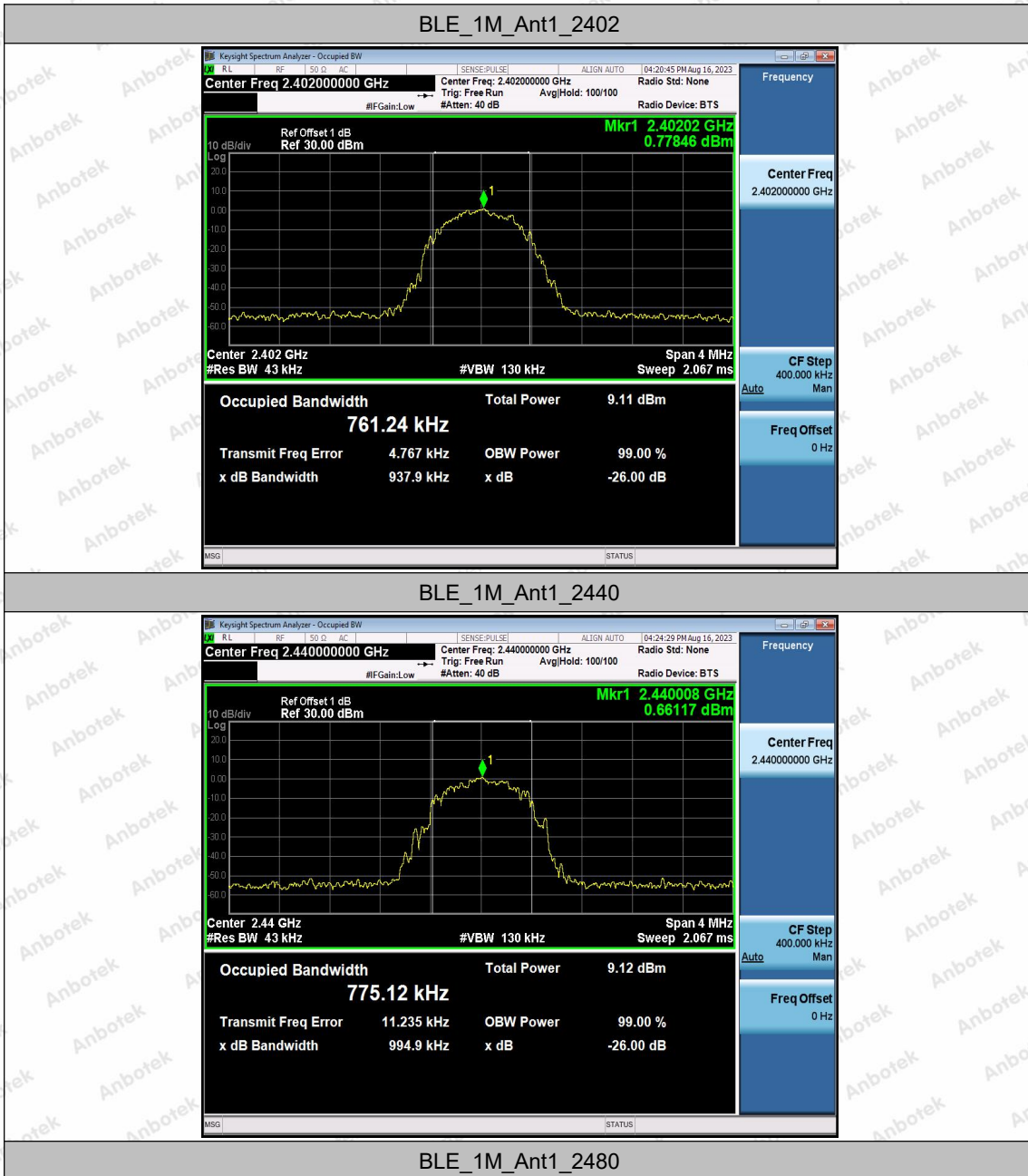
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Test Graphs



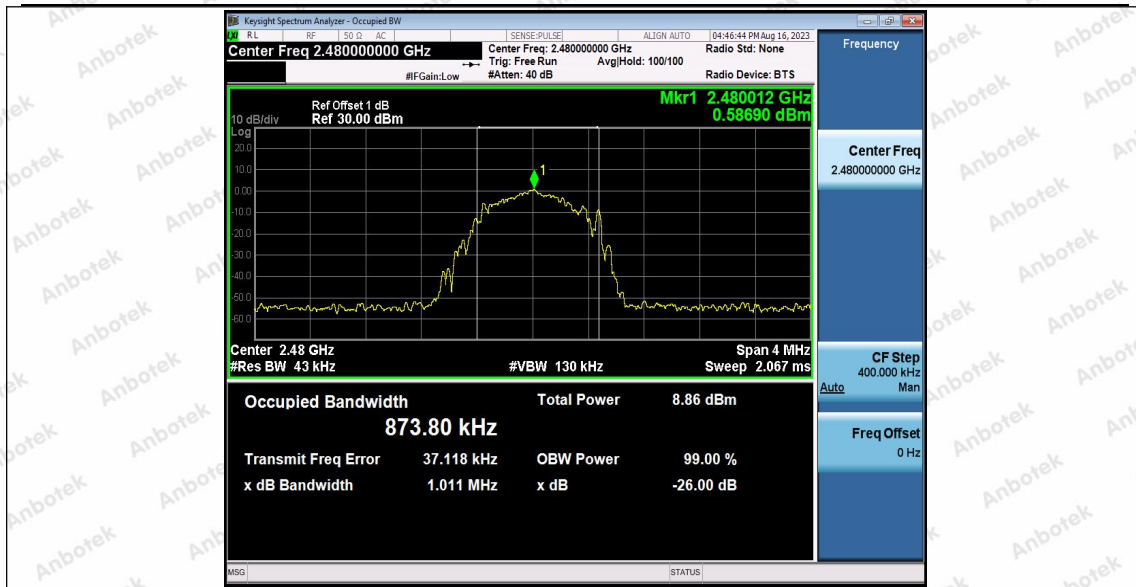
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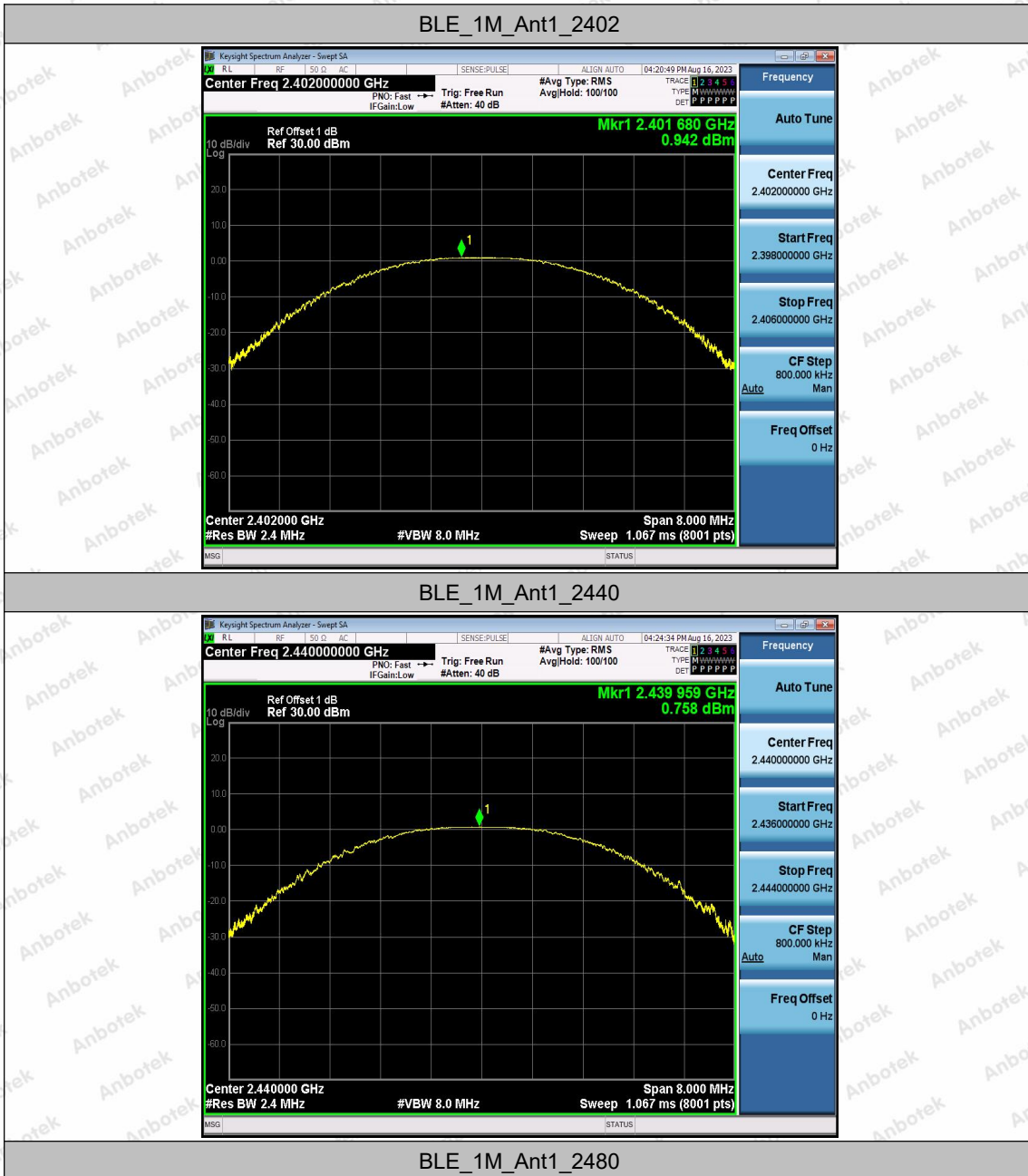
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.94	≤30	PASS
		2440	0.76	≤30	PASS
		2480	0.64	≤30	PASS



Test Graphs Peak



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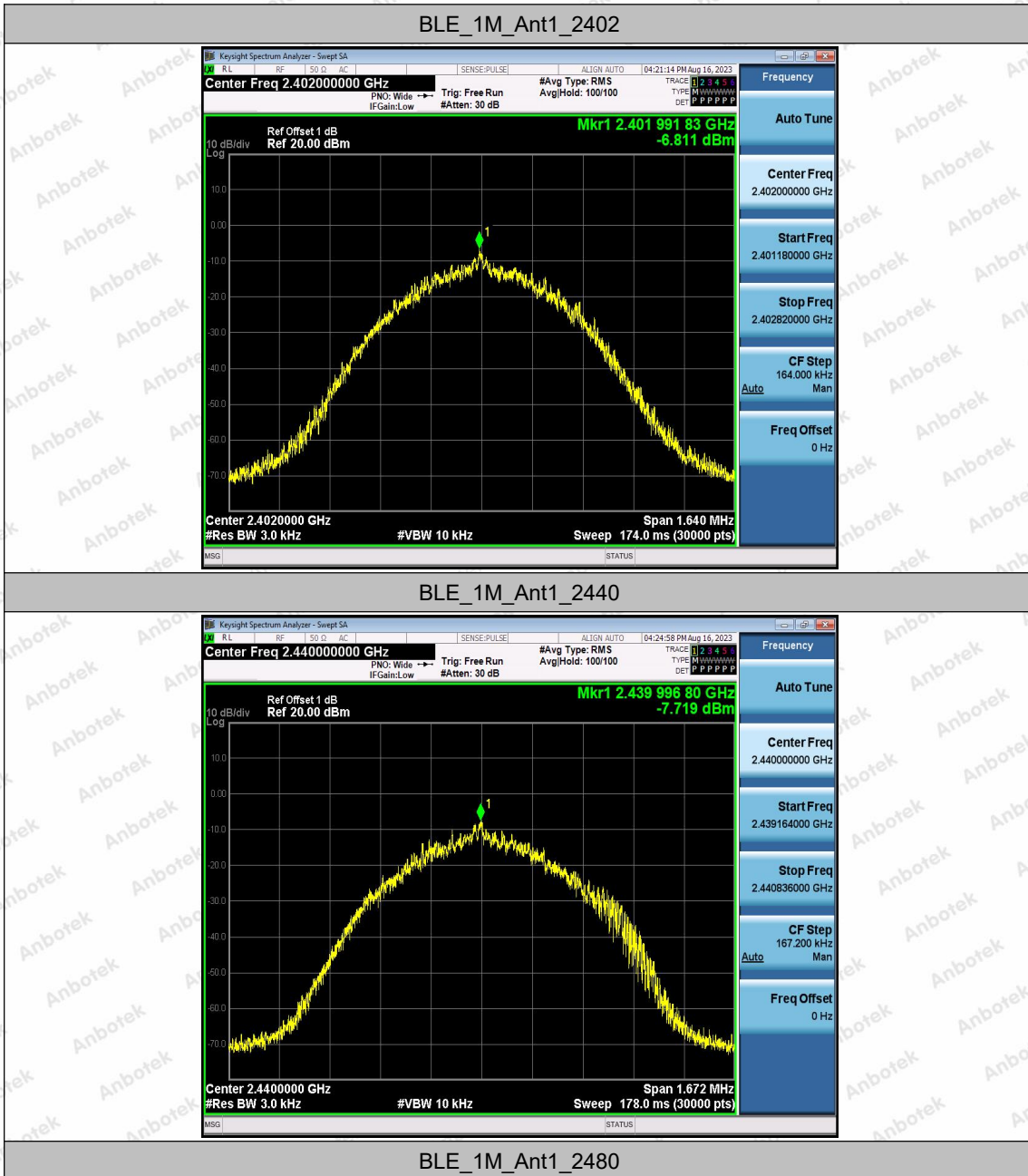
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.81	≤8.00	PASS
		2440	-7.72	≤8.00	PASS
		2480	-7.89	≤8.00	PASS



Test Graphs

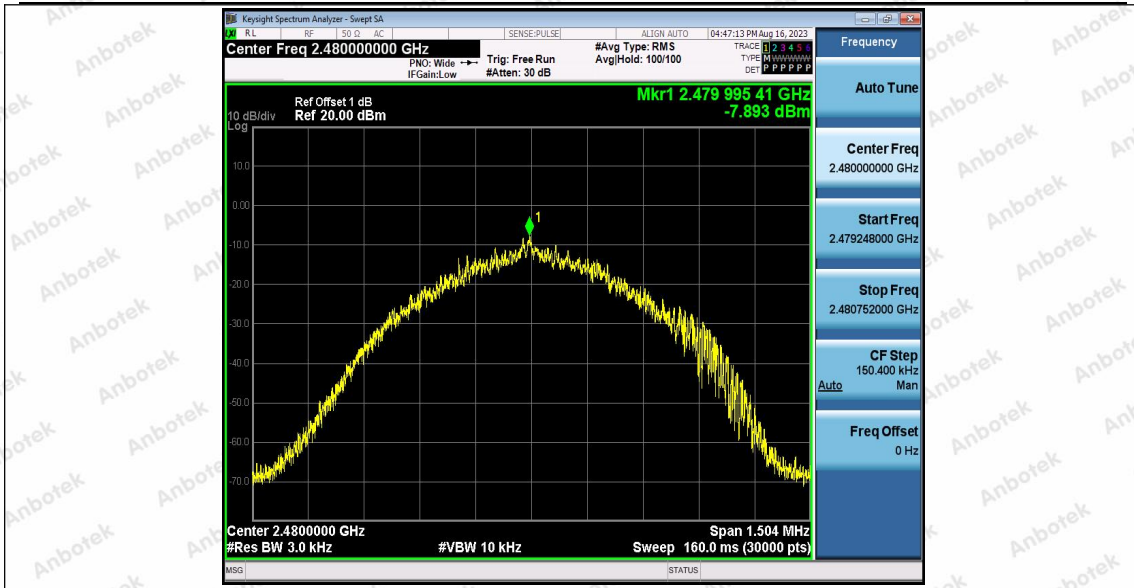


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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.16	-50.05	≤-18.84	PASS
		High	2480	0.85	-51.98	≤-19.15	PASS

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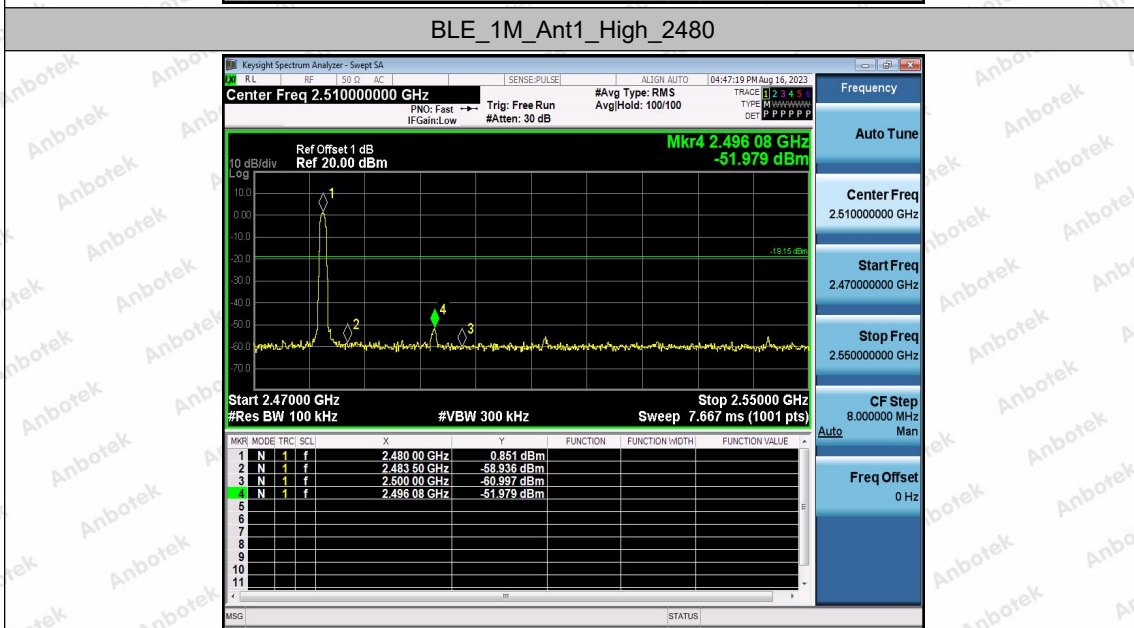
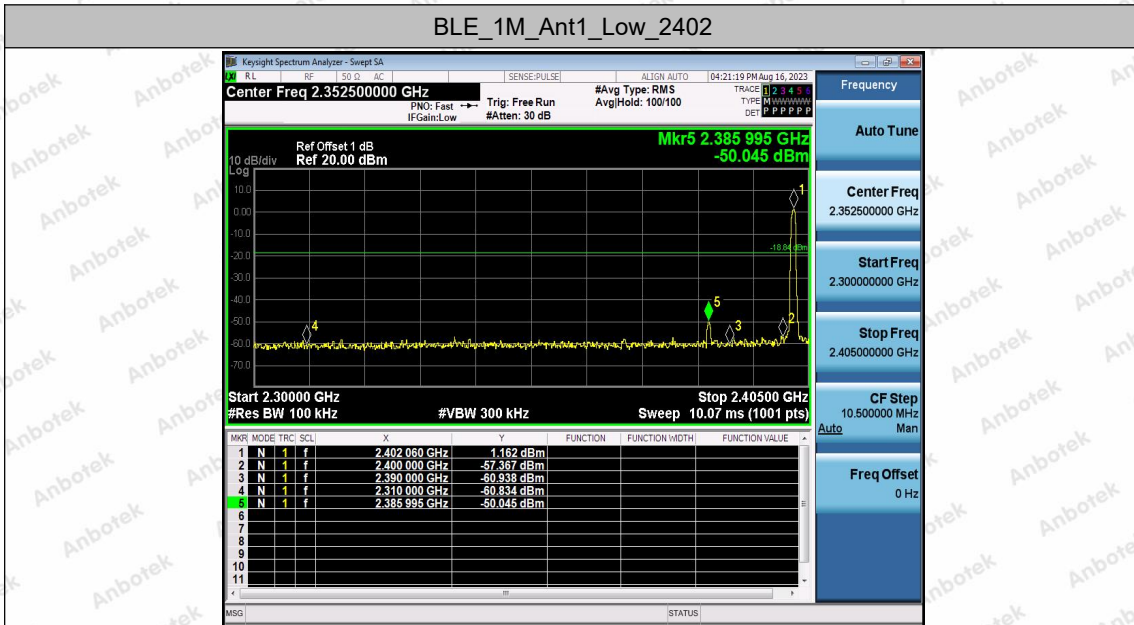
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Test Graphs



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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	0.91	0.91	---	PASS
			30~1000	0.91	-69.04	≤-19.09	PASS
			1000~26500	0.91	-34.88	≤-19.09	PASS
		2440	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-67.96	≤-19.35	PASS
			1000~26500	0.65	-36.13	≤-19.35	PASS
		2480	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-69.01	≤-19.41	PASS
			1000~26500	0.59	-40.06	≤-19.41	PASS

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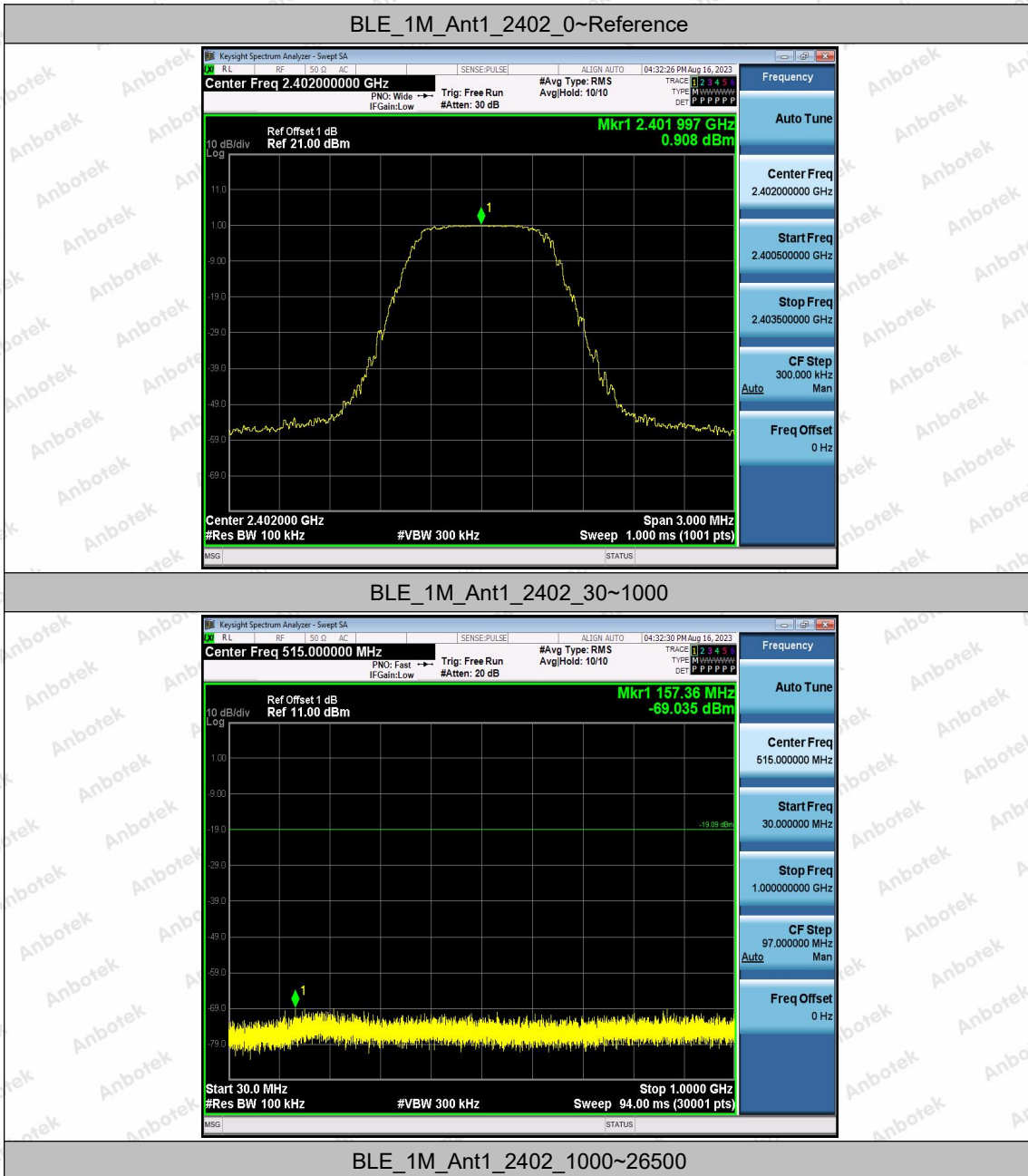
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Test Graphs

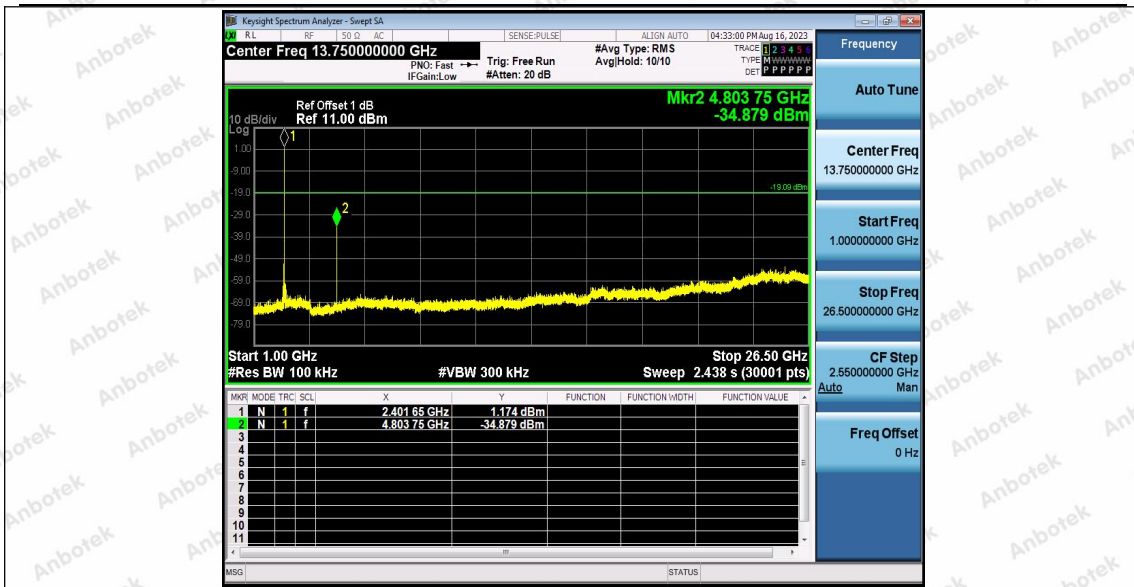


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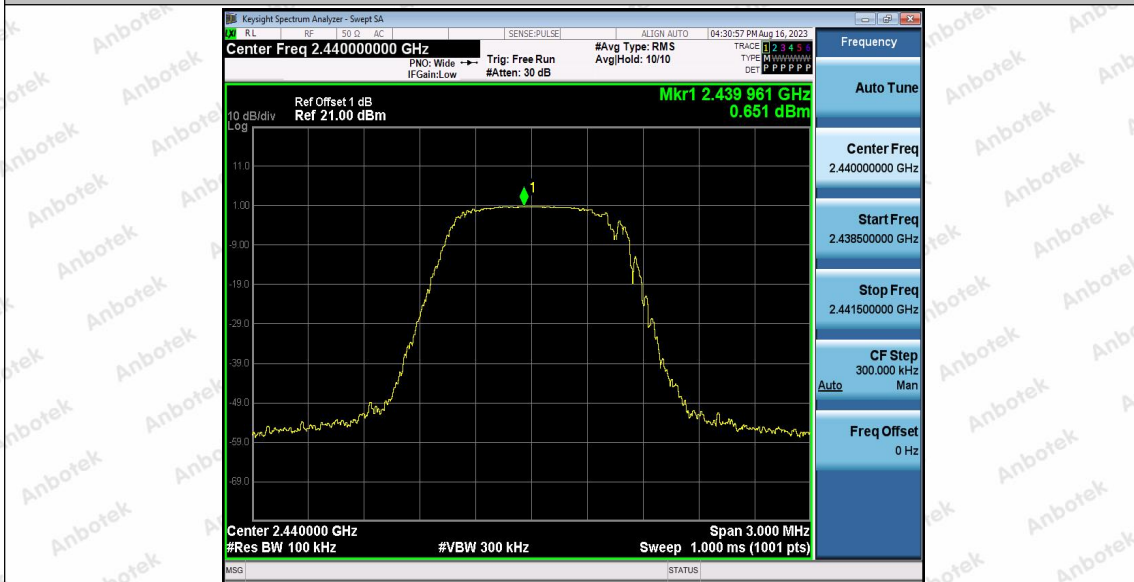
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BLE_1M_Ant1_2440_0~Reference



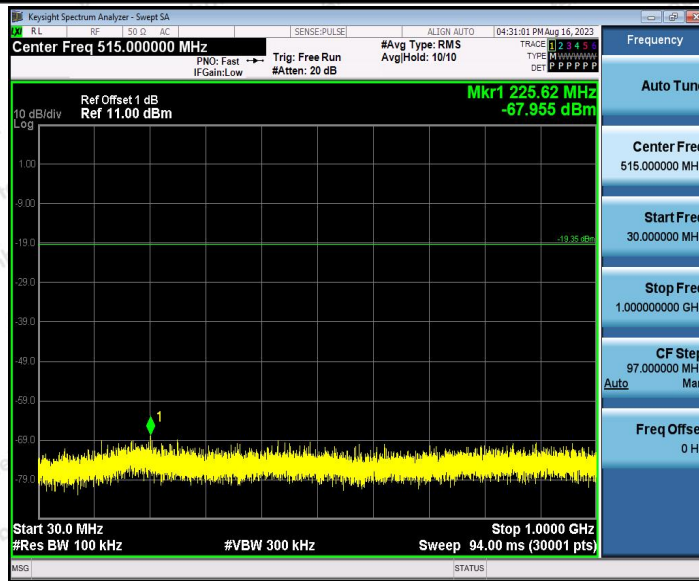
BLE_1M_Ant1_2440_30~1000

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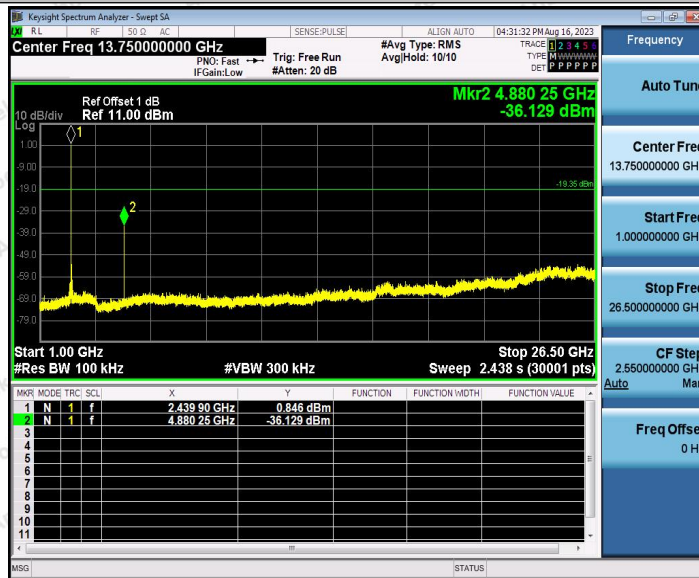
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BLE_1M_Ant1_2440_1000~26500



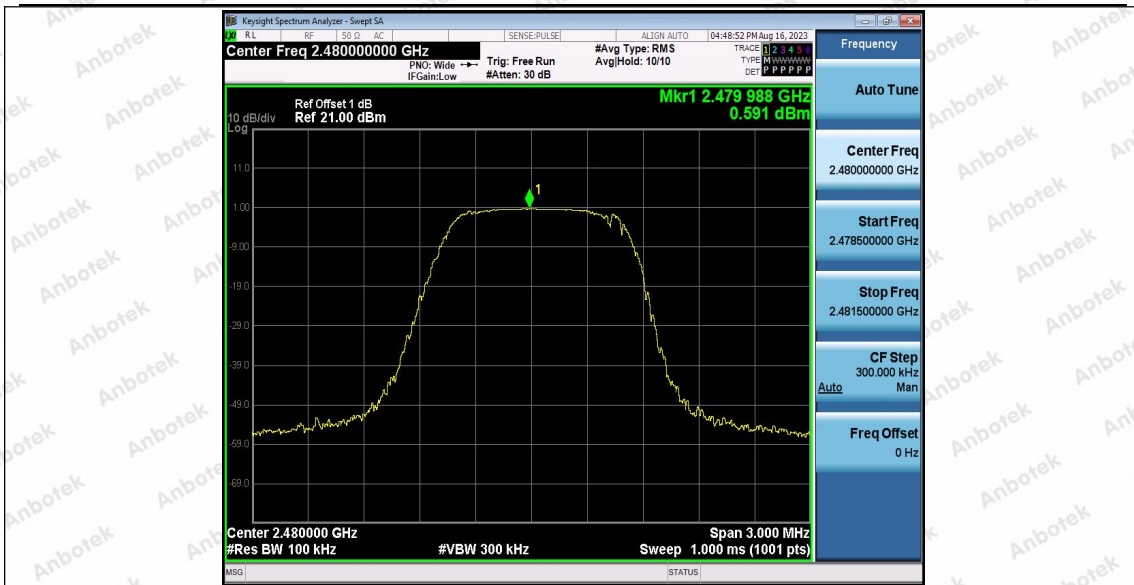
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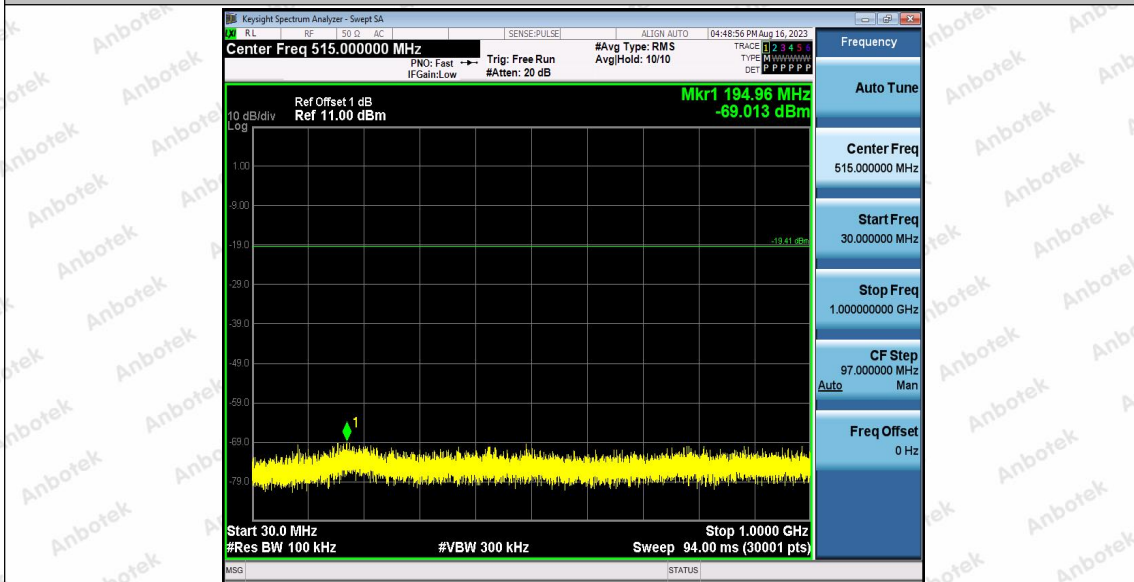
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BLE_1M_Ant1_2480_30~1000



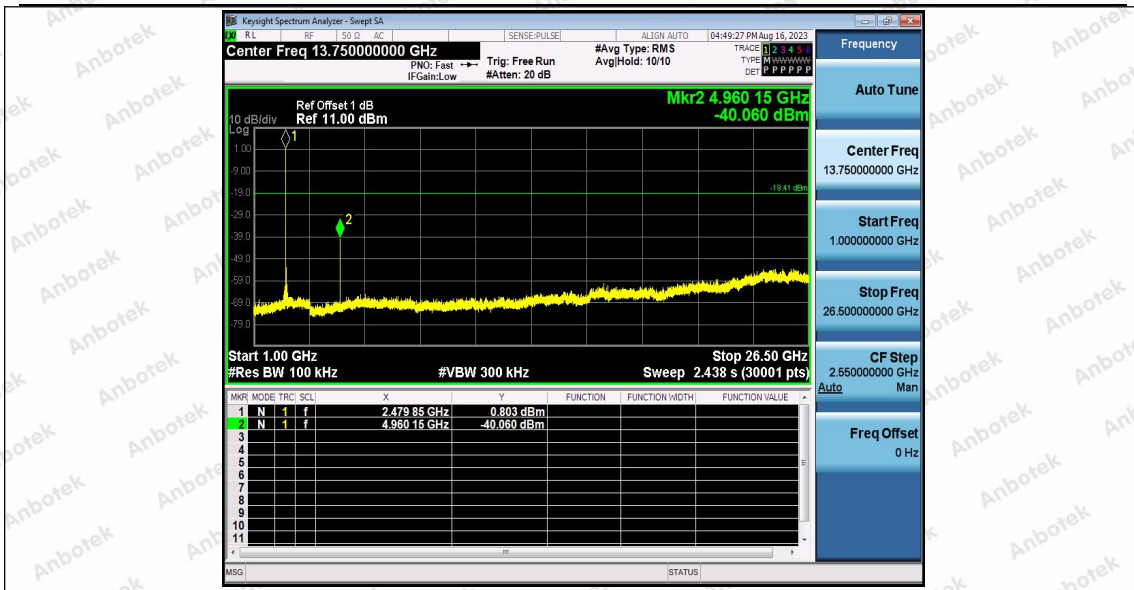
BLE_1M_Ant1_2480_1000~26500

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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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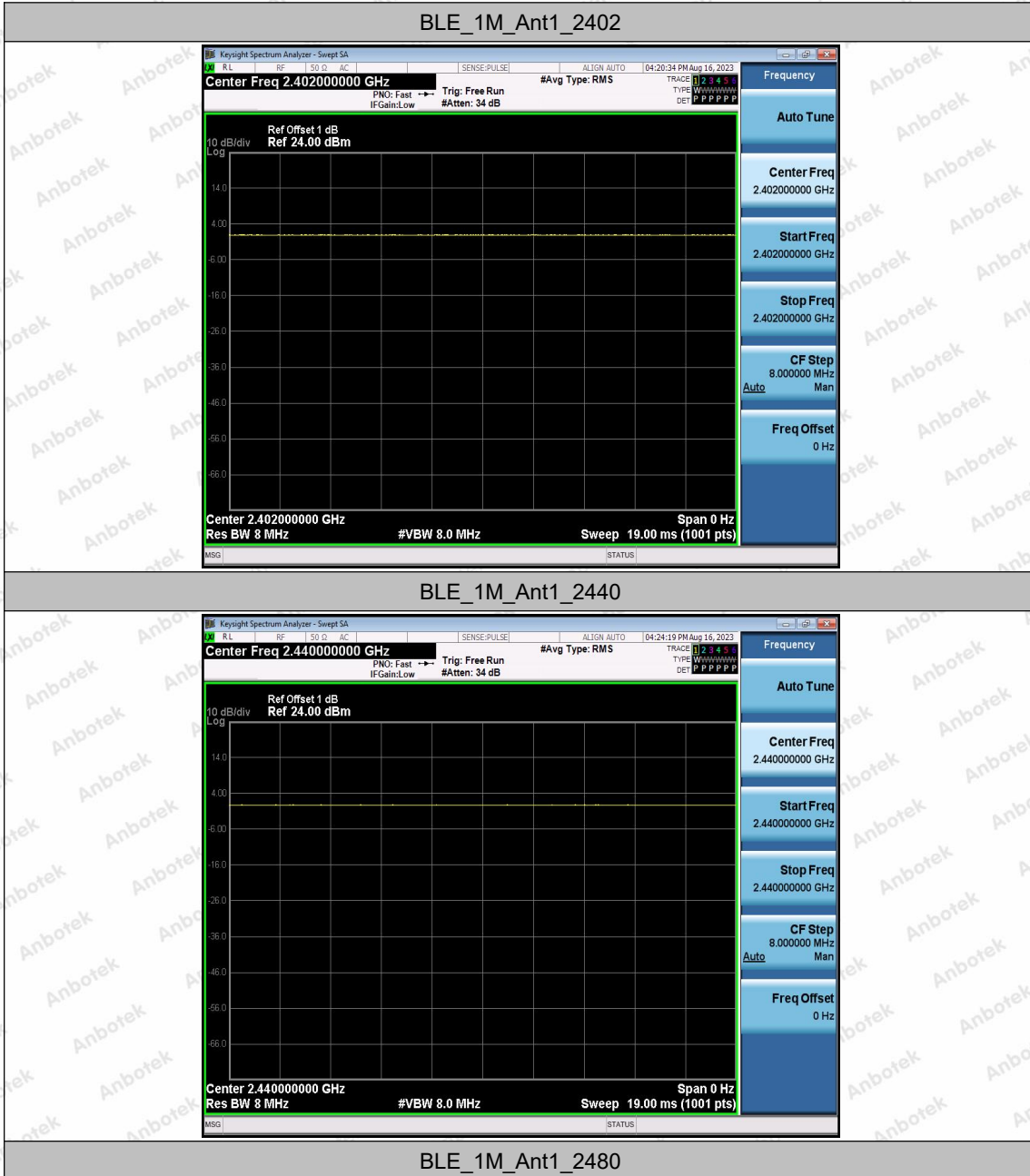
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Test Graphs



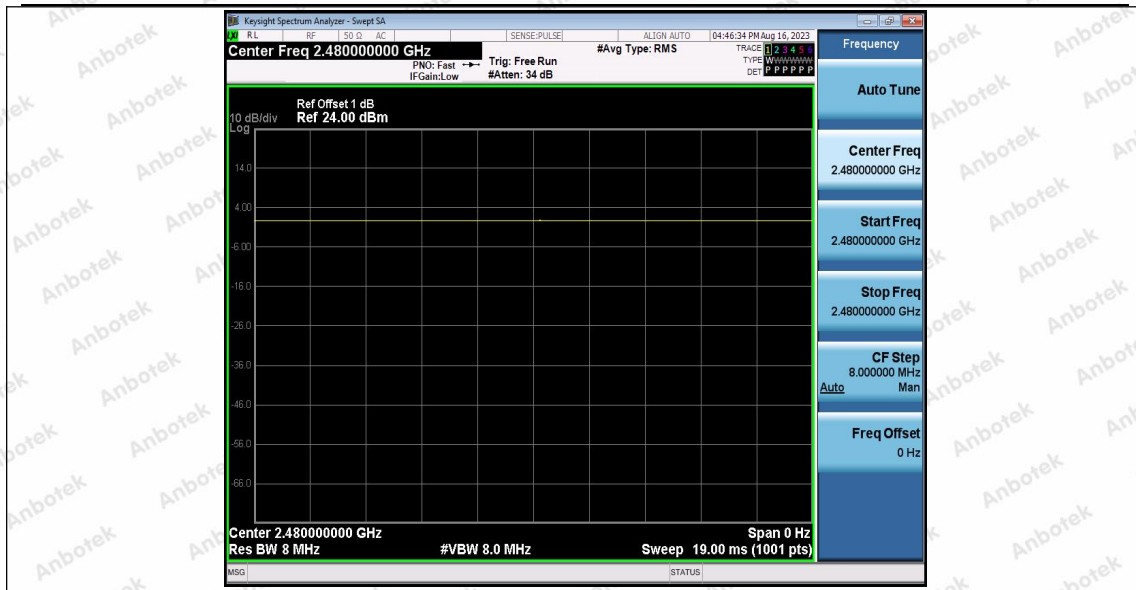
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