

Appendix Test Data

Report No.:	18220WC40016901	Test Sample No.:	1-2-2
Start Test Date:	2024.2.23	Finish Test Date:	2024.2.23
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
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	0.680	2401.656	2402.336	0.5	PASS
		2440	0.680	2439.660	2440.340	0.5	PASS
		2480	0.696	2479.640	2480.336	0.5	PASS

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Test Graphs

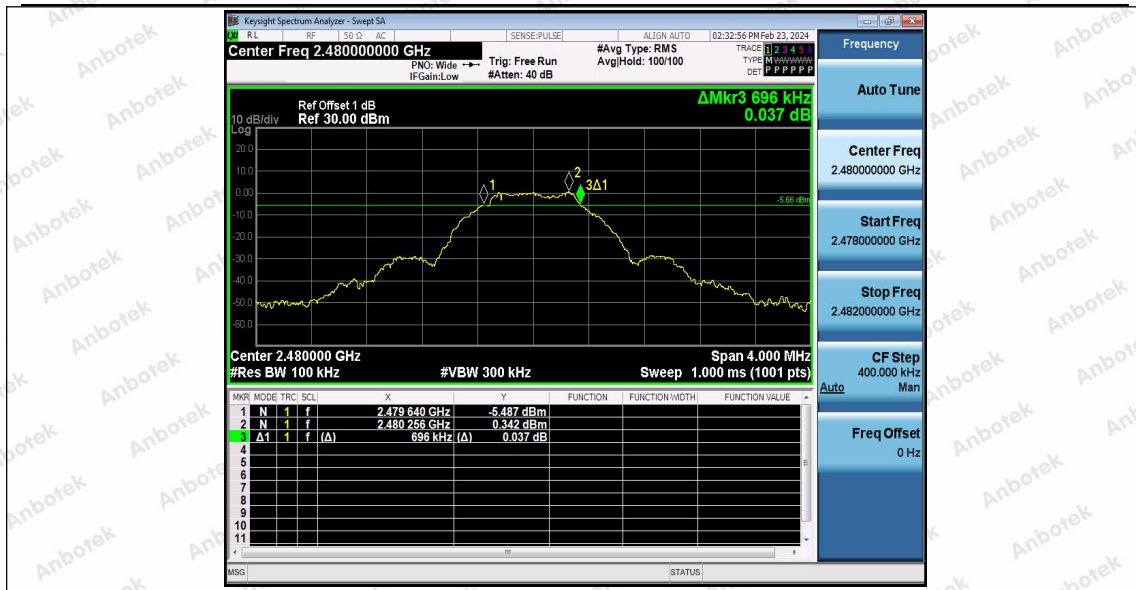


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0270	2401.4932	2402.5202
		2440	1.0284	2439.4941	2440.5225
		2480	1.0213	2479.4916	2480.5129

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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	1.88	≤30	PASS
		2440	2.34	≤30	PASS
		2480	1.42	≤30	PASS

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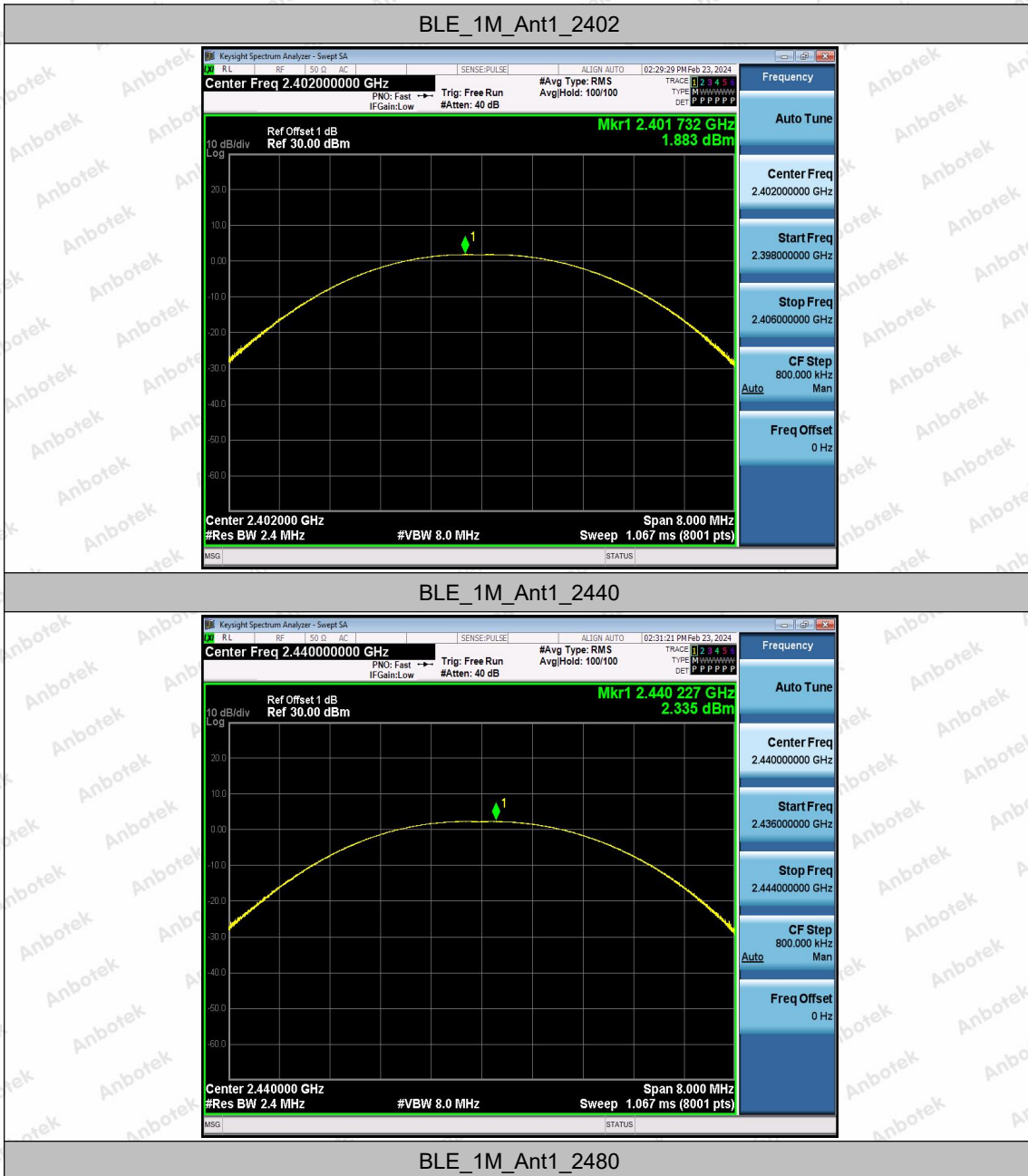
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Test Graphs Peak

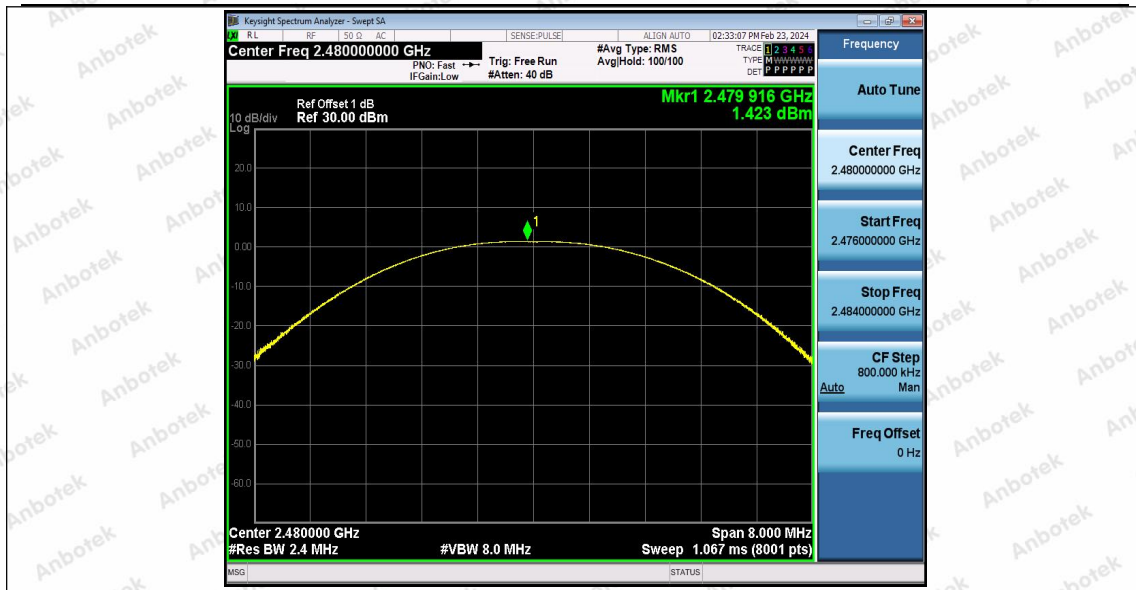


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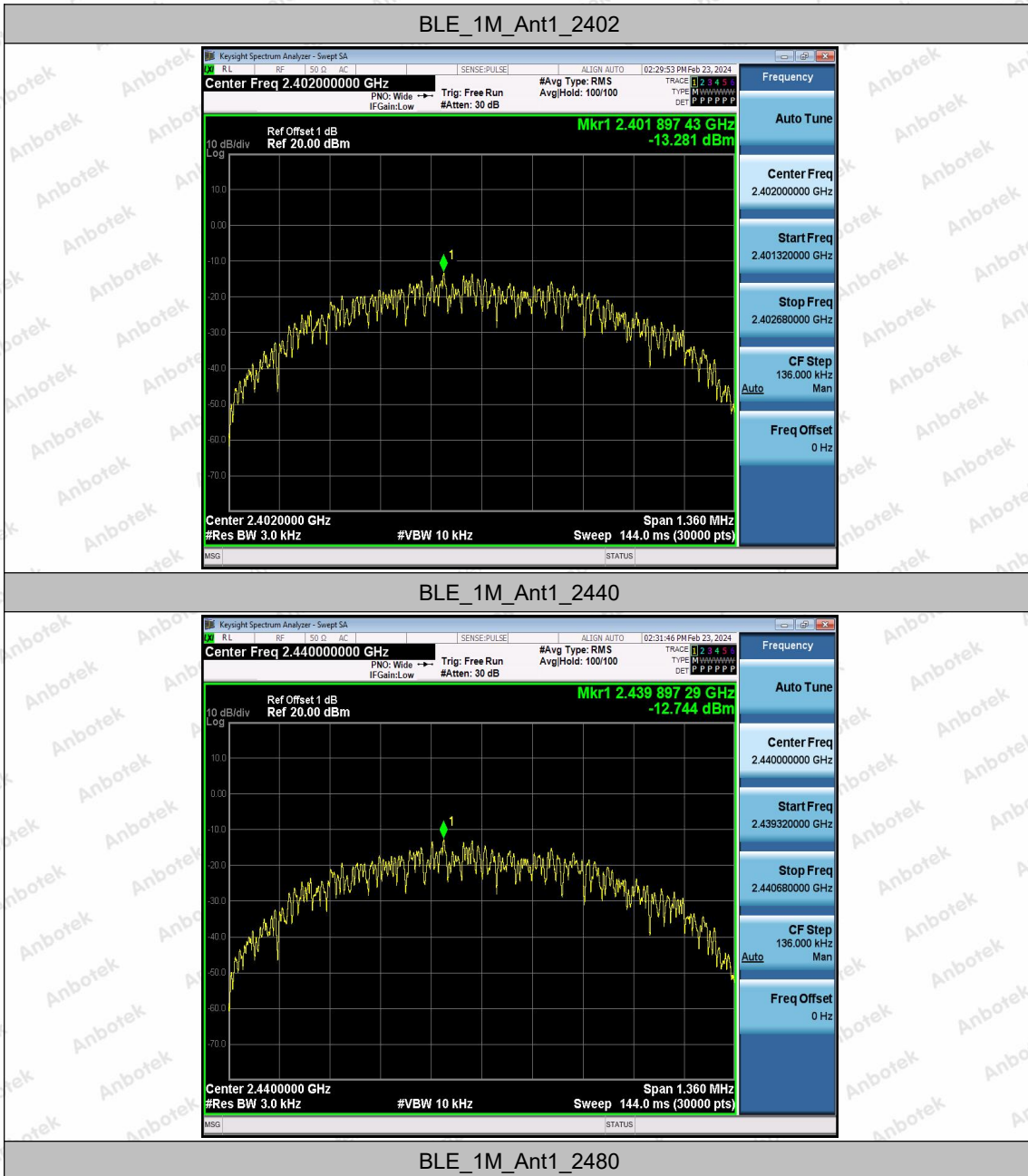
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.28	≤8.00	PASS
		2440	-12.74	≤8.00	PASS
		2480	-13.77	≤8.00	PASS



Test Graphs



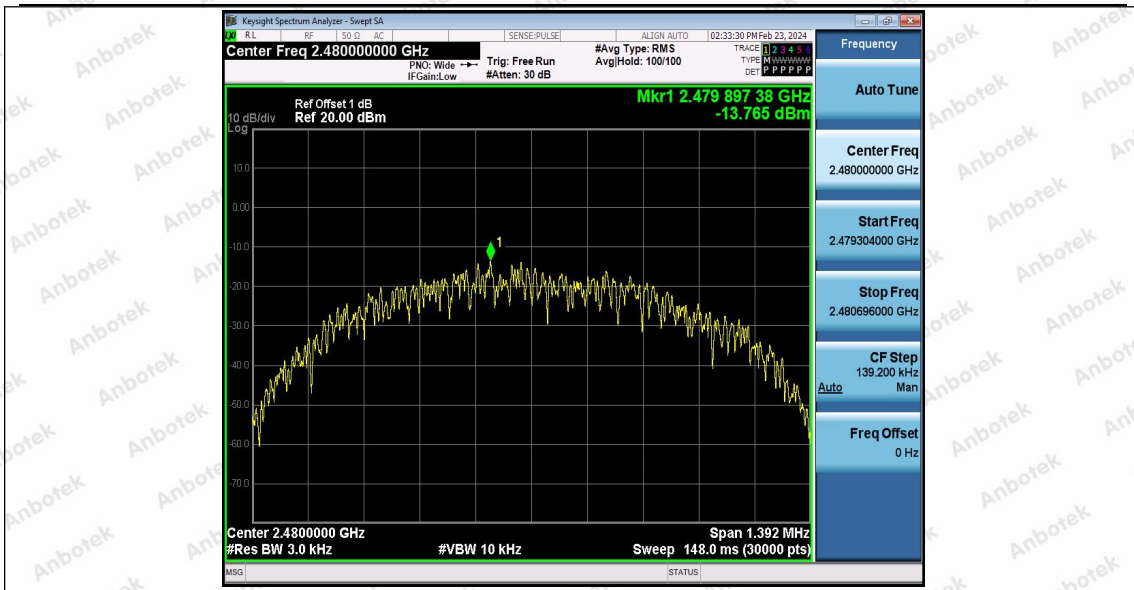
BLE_1M_Ant1_2480

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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	1.13	-56.7	≤-18.87	PASS
		High	2480	0.66	-57.06	≤-19.34	PASS

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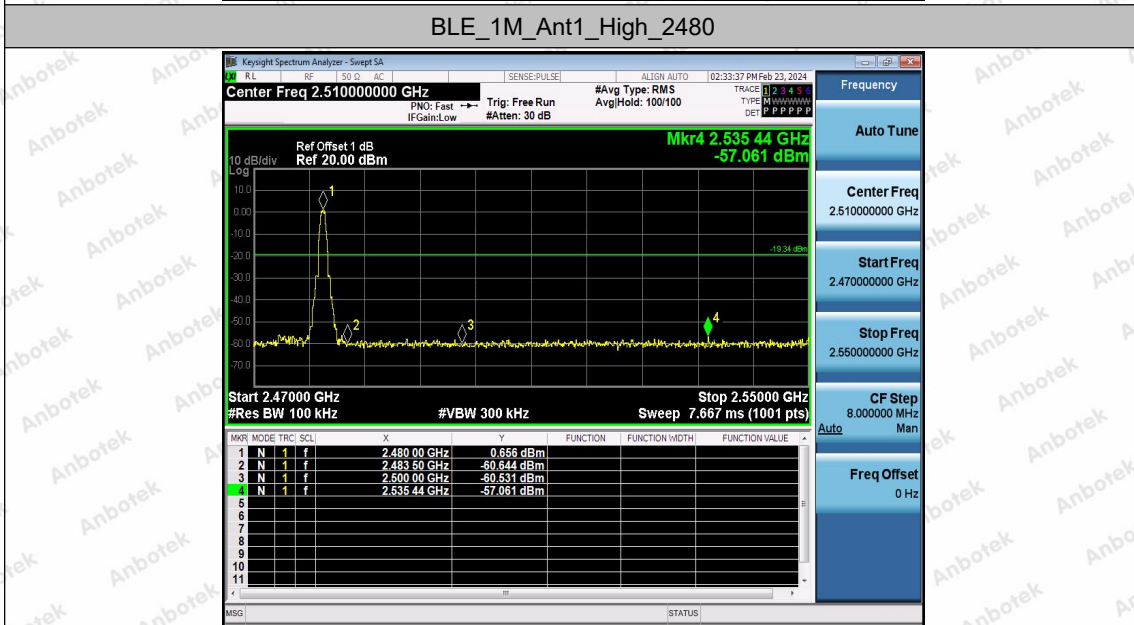
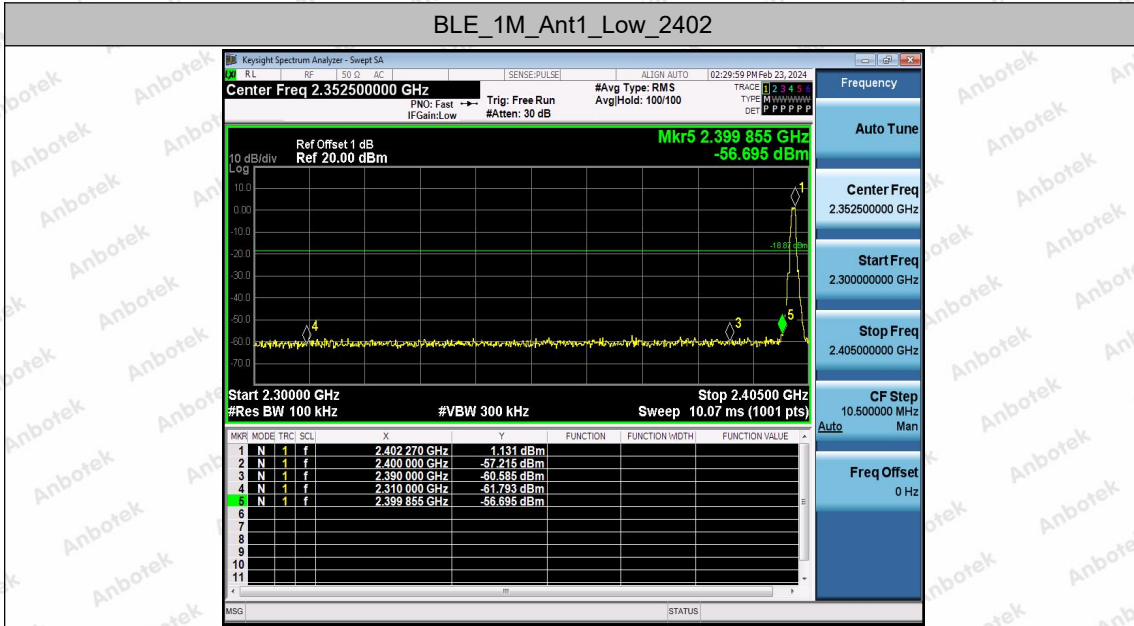
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.84	0.84	---	PASS
			30~1000	0.84	-69.07	≤-19.16	PASS
			1000~26500	0.84	-53.67	≤-19.16	PASS
		2440	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-68.78	≤-19.25	PASS
			1000~26500	0.75	-53.8	≤-19.25	PASS
		2480	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-68.45	≤-20.04	PASS
			1000~26500	-0.04	-54	≤-20.04	PASS

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Test Graphs



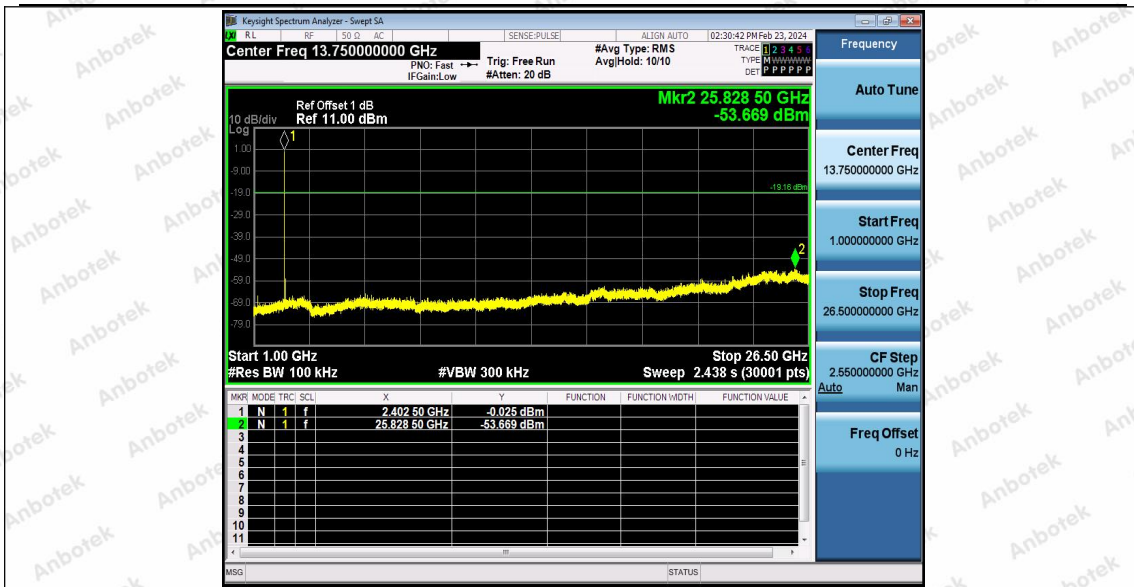
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

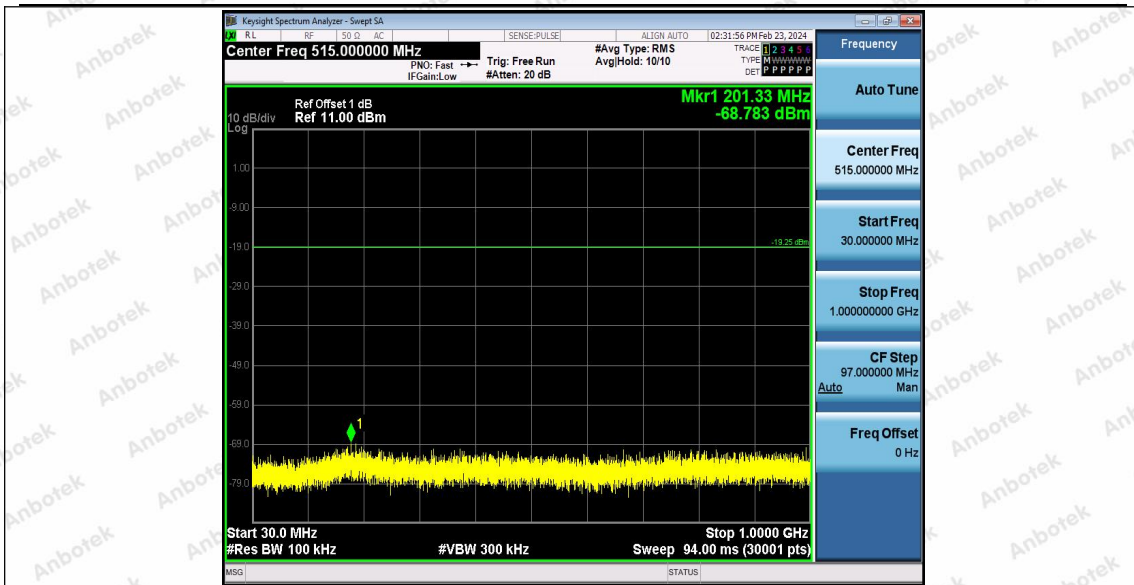
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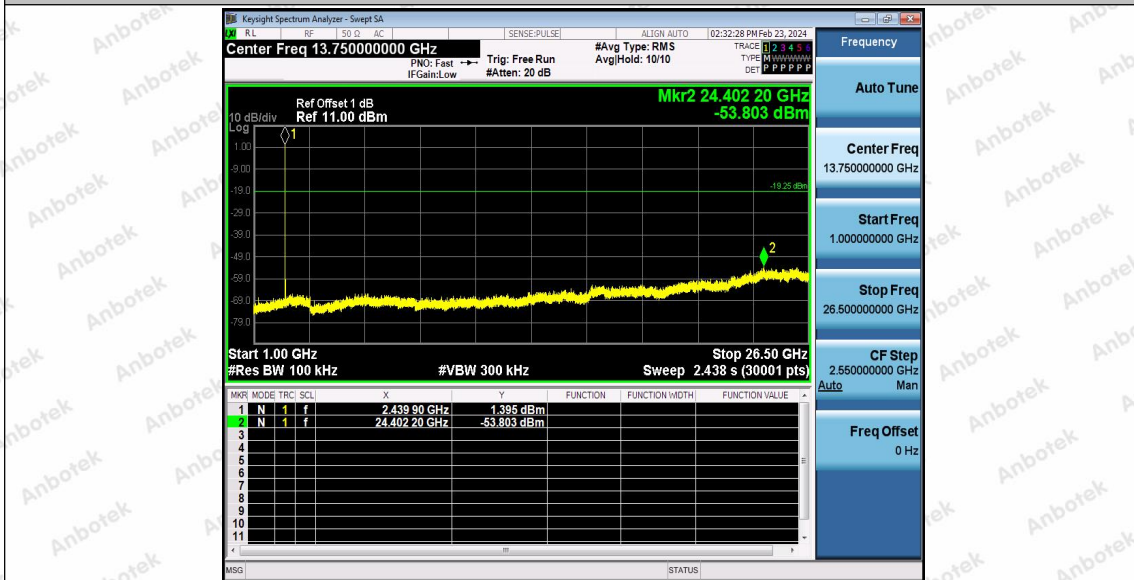


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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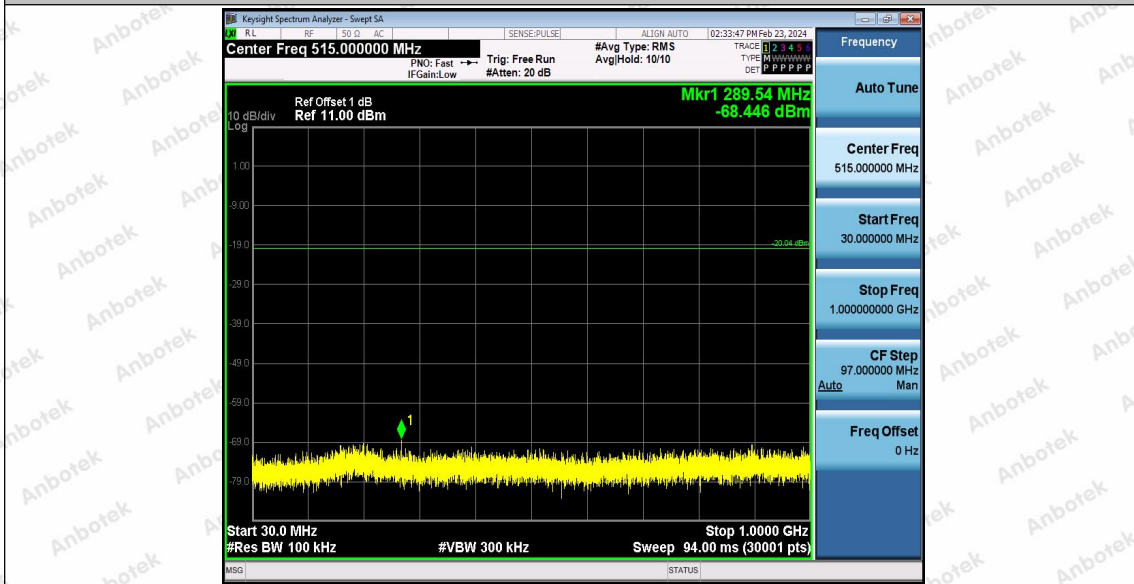
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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

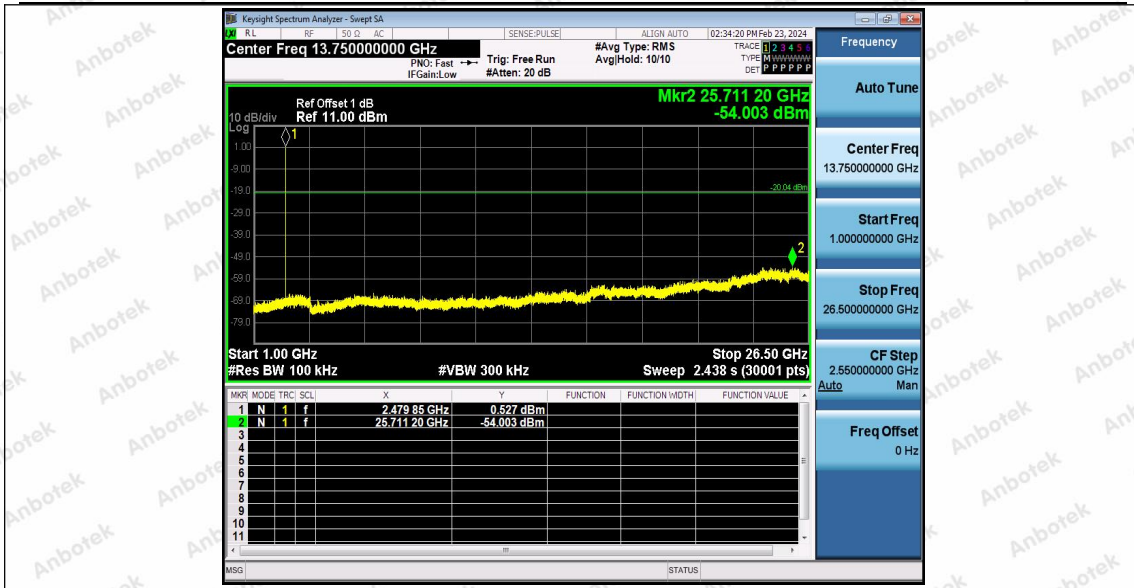
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20

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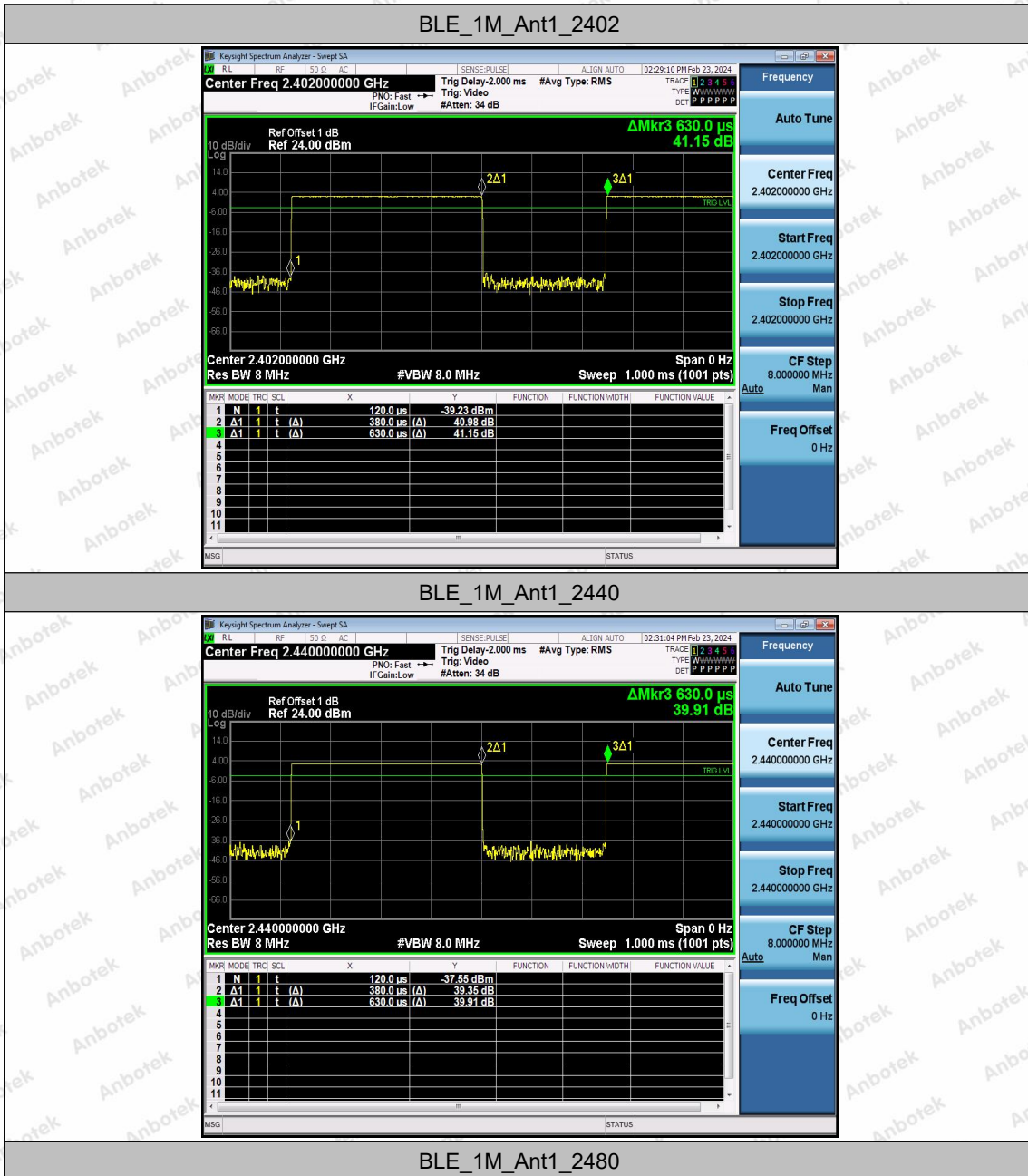
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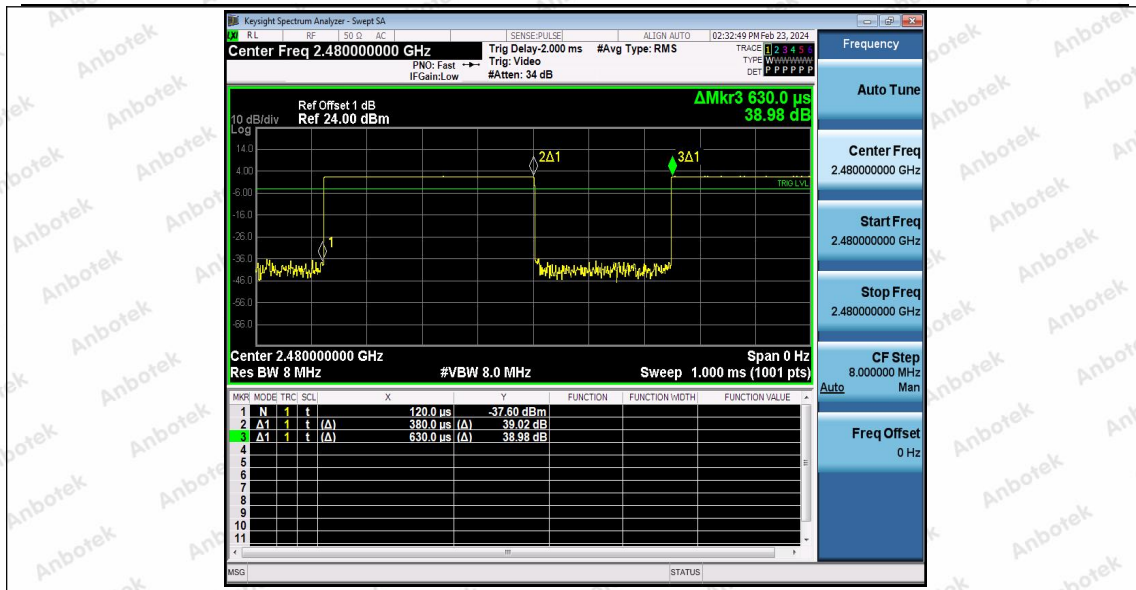


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Test Graphs





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