

Appendix Test Data

Report No.:	18220WC20284801	Test Sample No.:	1-2-2
Start Test Date:	2022.12.14	Finish Test Date:	2022.12.20
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3C°	Relative Humidity:	43 %
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	0.700	2401.652	2402.352	0.5	PASS
		2440	0.696	2439.660	2440.356	0.5	PASS
		2480	0.680	2479.660	2480.340	0.5	PASS

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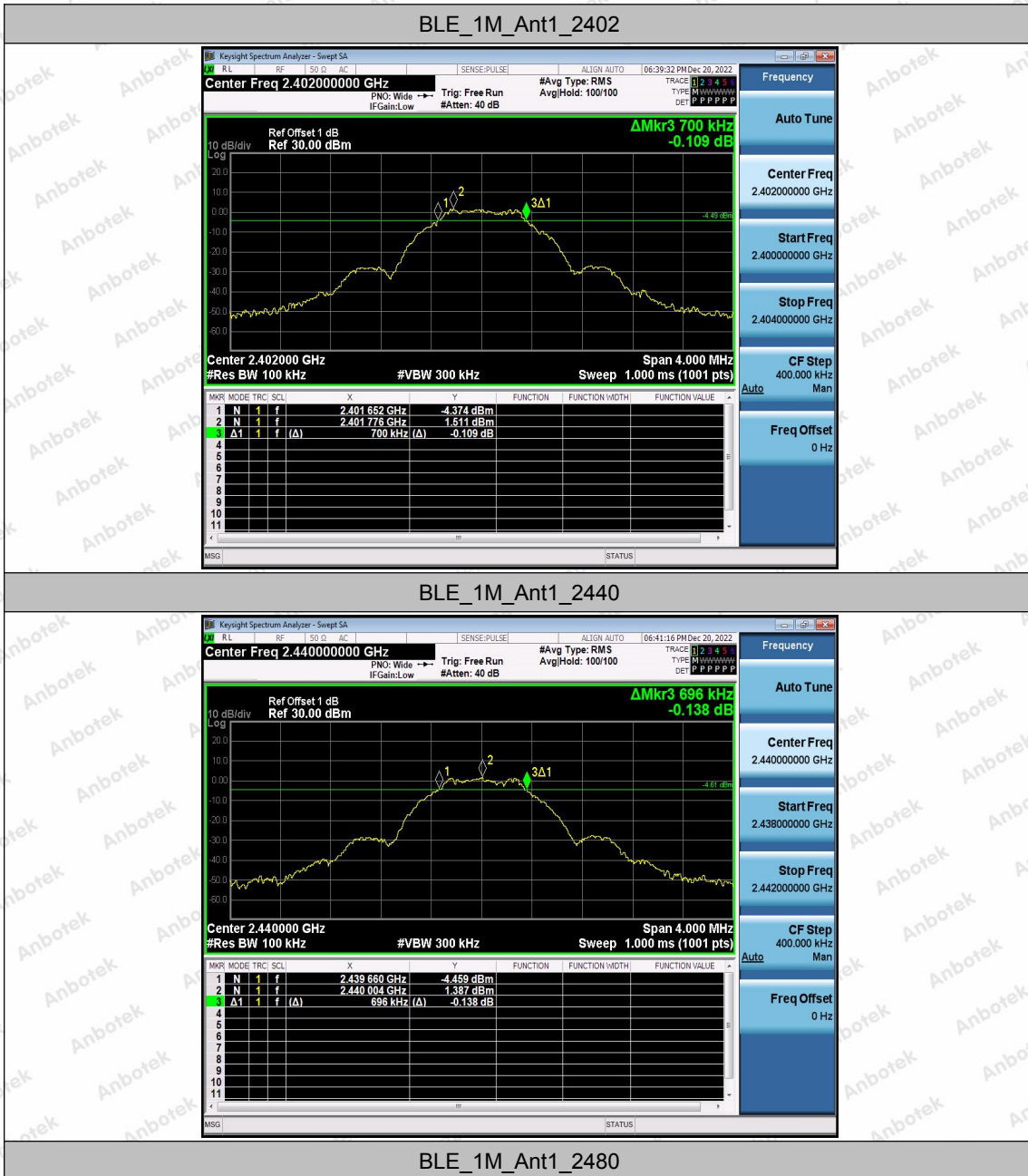
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Test Graphs



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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	1.0292	2401.5010	2402.5302
		2440	1.0312	2439.4995	2440.5307
		2480	1.0281	2479.5011	2480.5292

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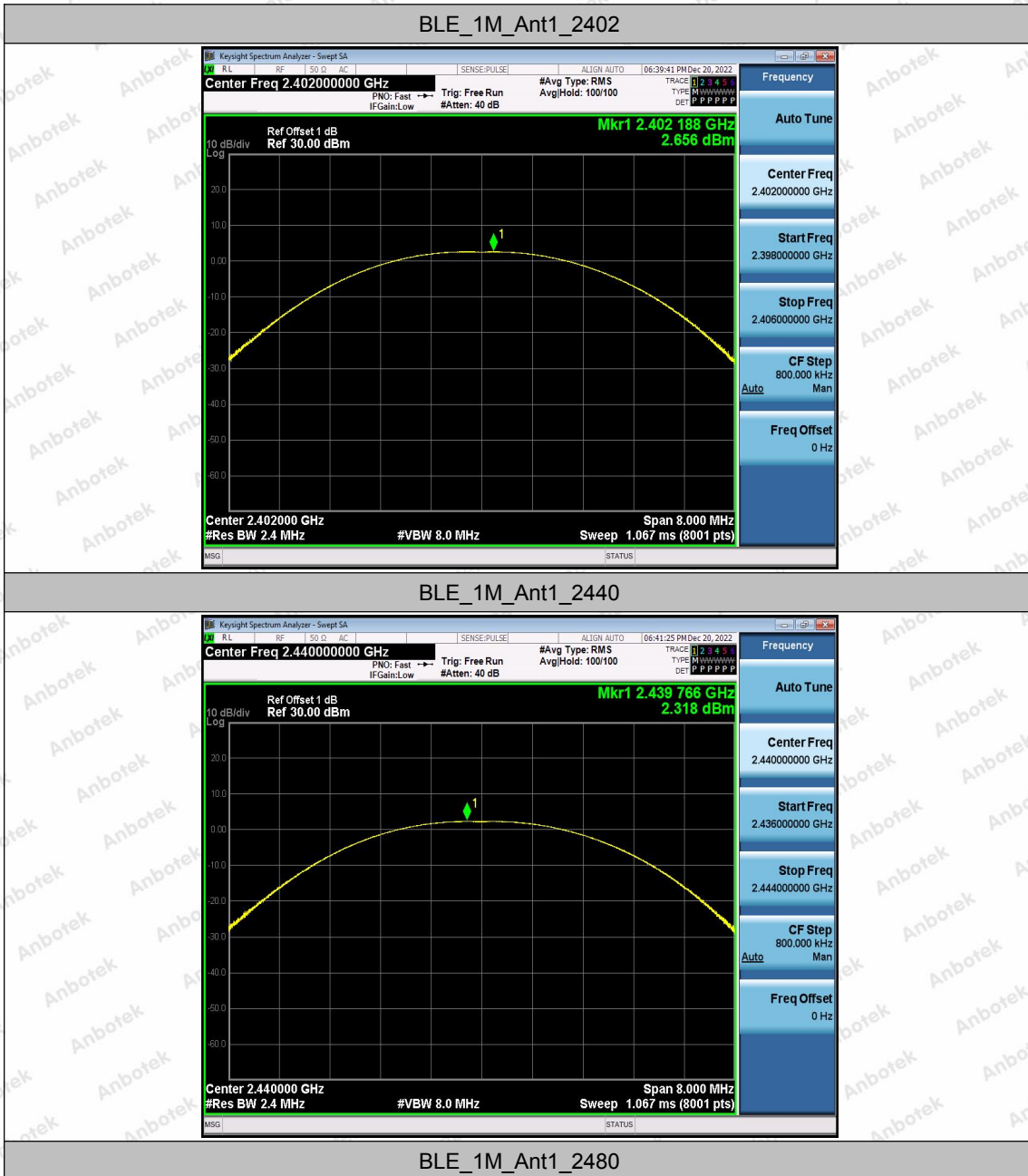
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.66	≤30	PASS
		2440	2.32	≤30	PASS
		2480	1.65	≤30	PASS



Test Graphs Peak

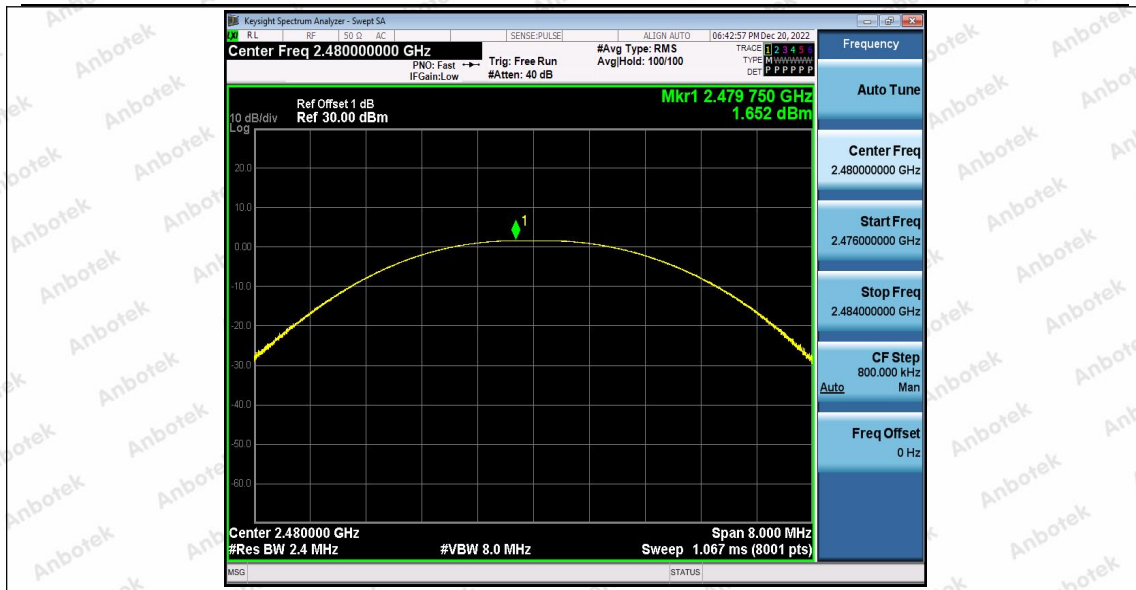


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.62	≤8.00	PASS
		2440	-12.8	≤8.00	PASS
		2480	-13.41	≤8.00	PASS

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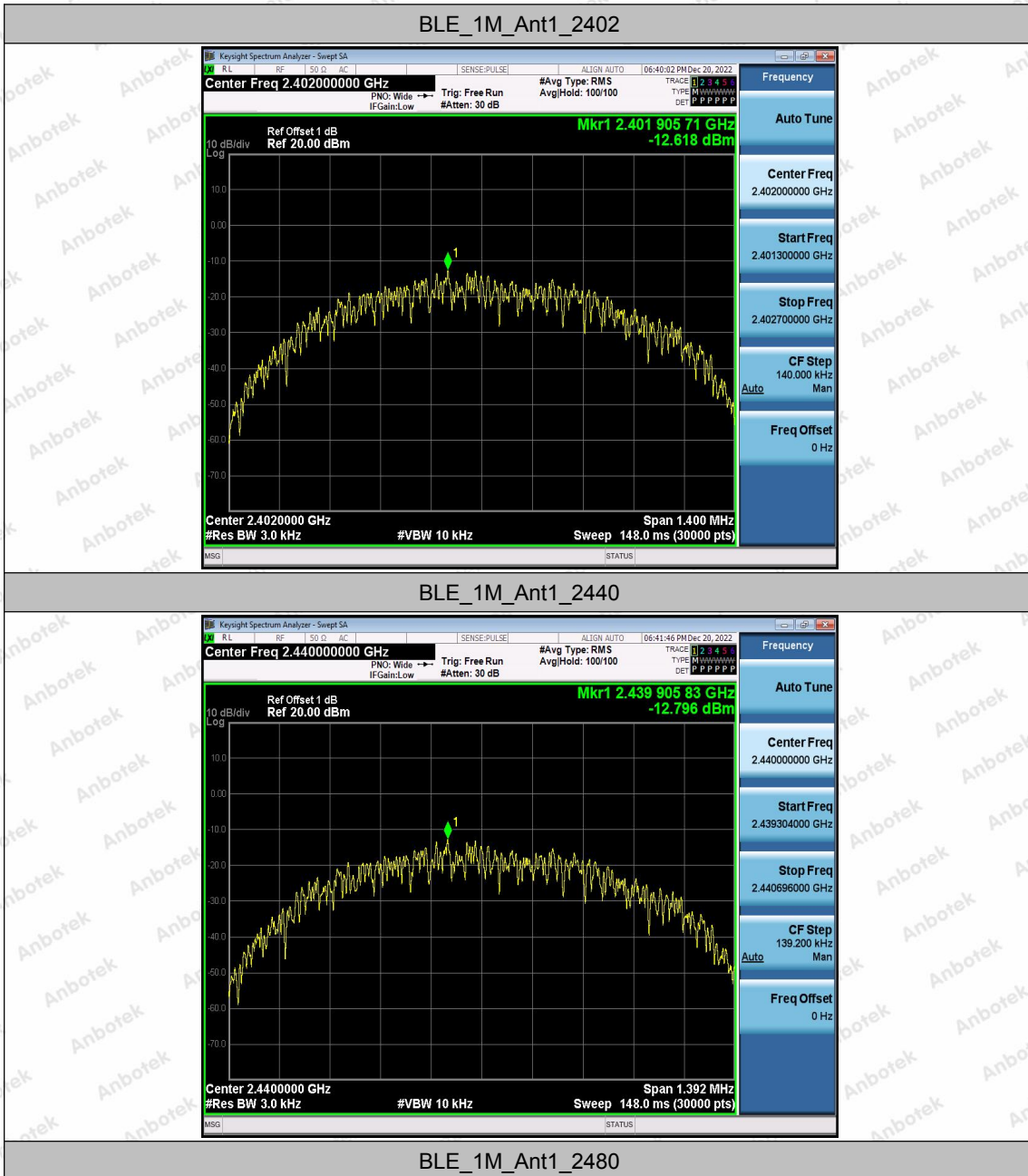
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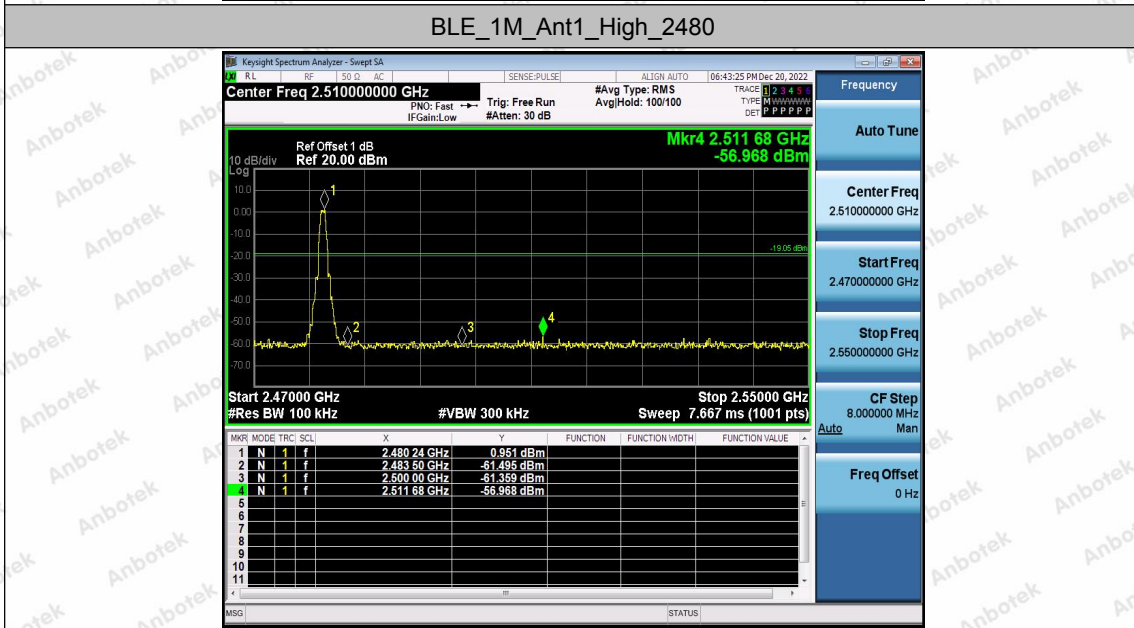
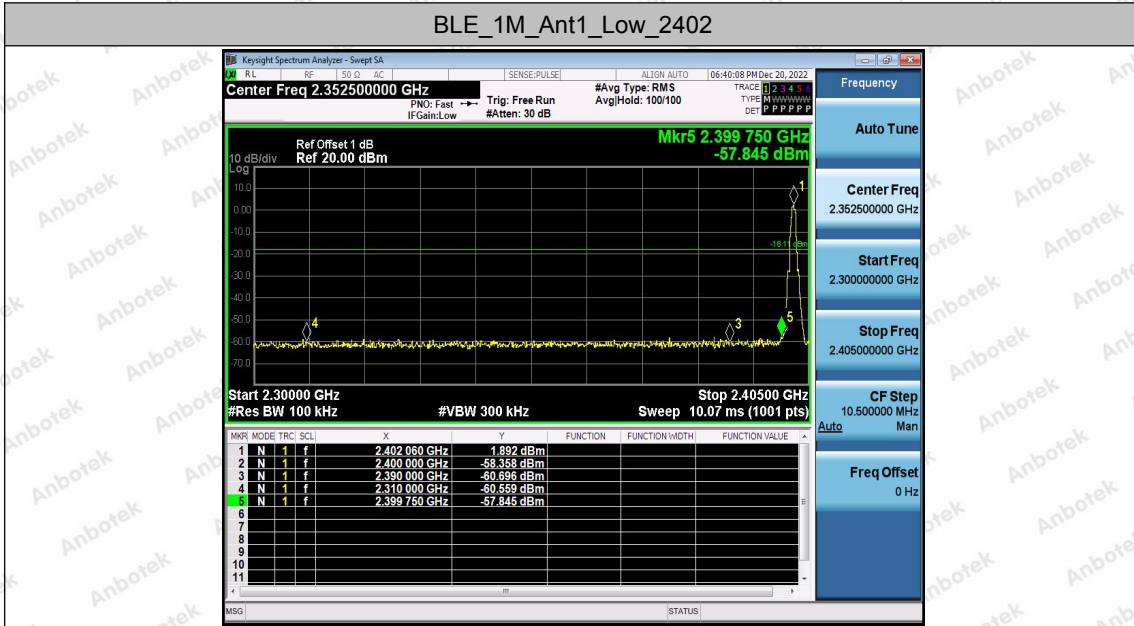
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.89	-57.85	≤-18.11	PASS
		High	2480	0.95	-56.97	≤-19.05	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	0.80	0.80	---	PASS
			30~1000	0.80	-69.32	≤-19.2	PASS
			1000~26500	0.80	-53.15	≤-19.2	PASS
		2440	Reference	0.87	0.87	---	PASS
			30~1000	0.87	-68.64	≤-19.13	PASS
			1000~26500	0.87	-53.76	≤-19.13	PASS
		2480	Reference	0.48	0.48	---	PASS
			30~1000	0.48	-68.97	≤-19.52	PASS
			1000~26500	0.48	-53.72	≤-19.52	PASS



Test Graphs

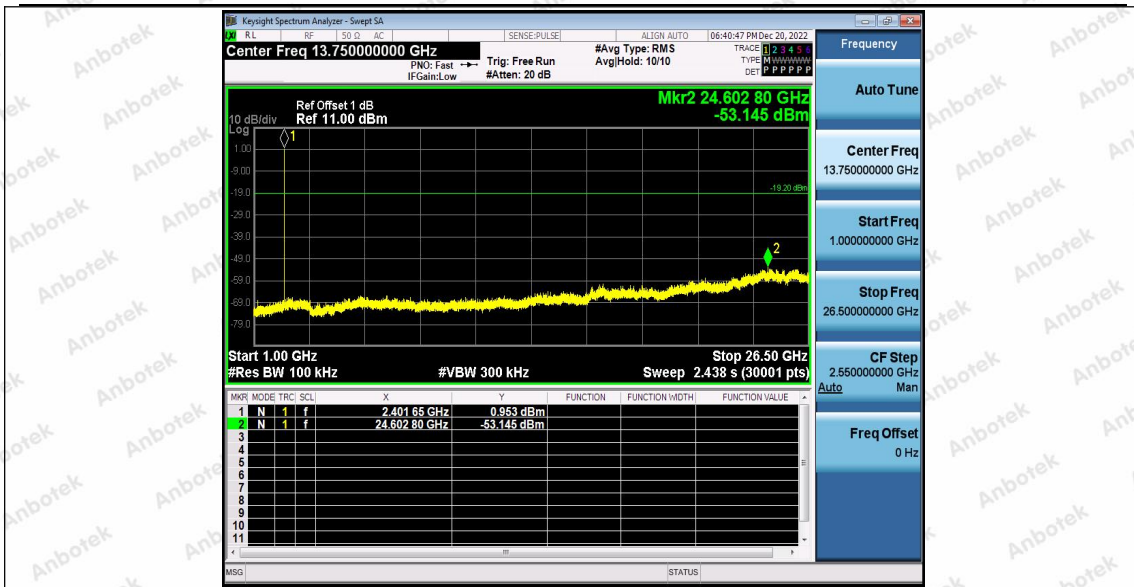


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BLE_1M_Ant1_2440_0~Reference



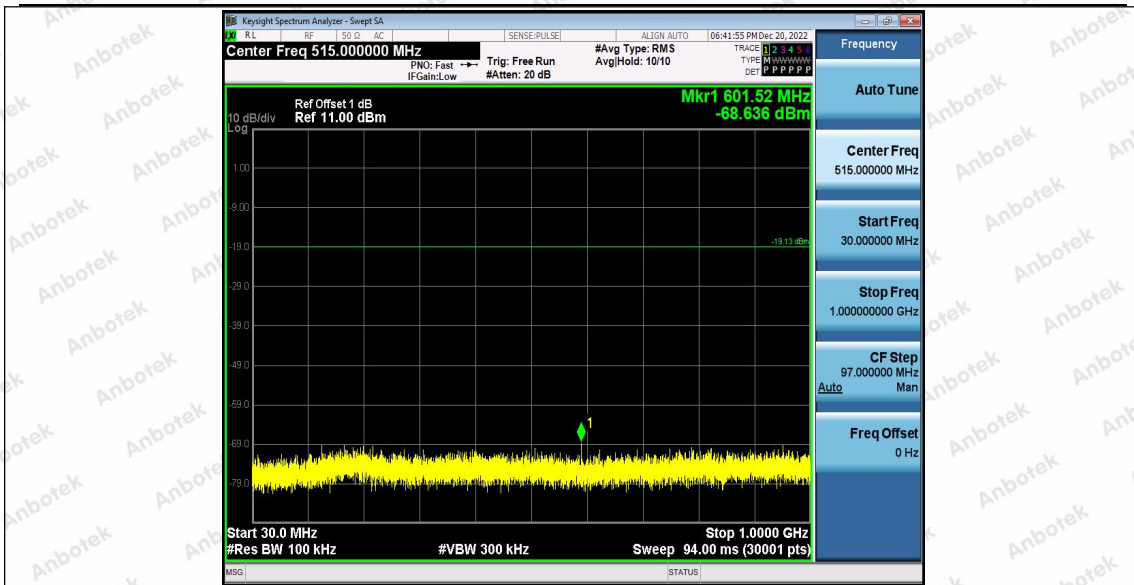
BLE_1M_Ant1_2440_30~100

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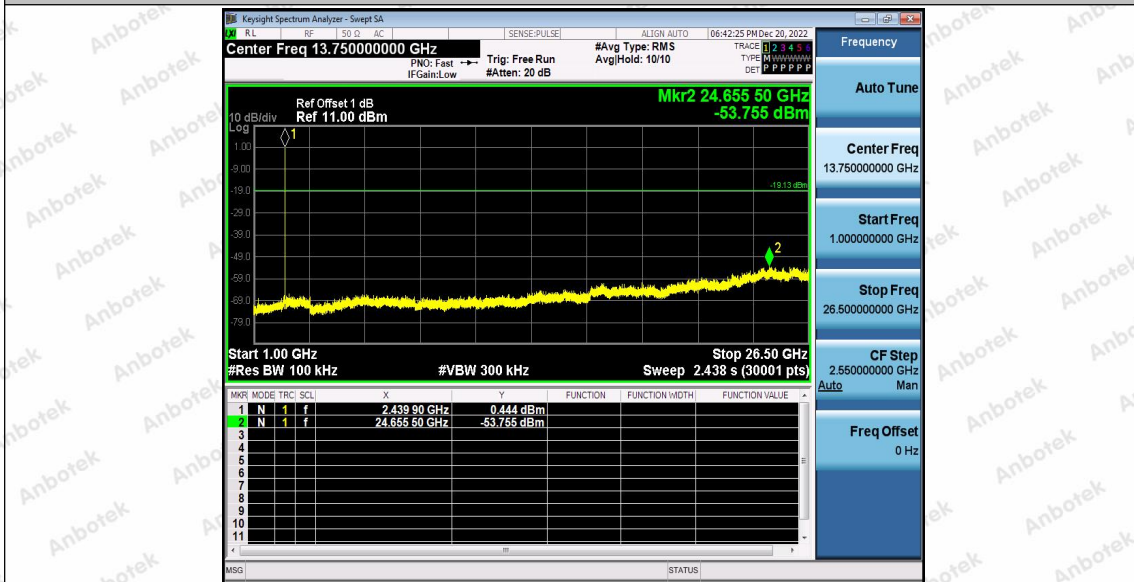
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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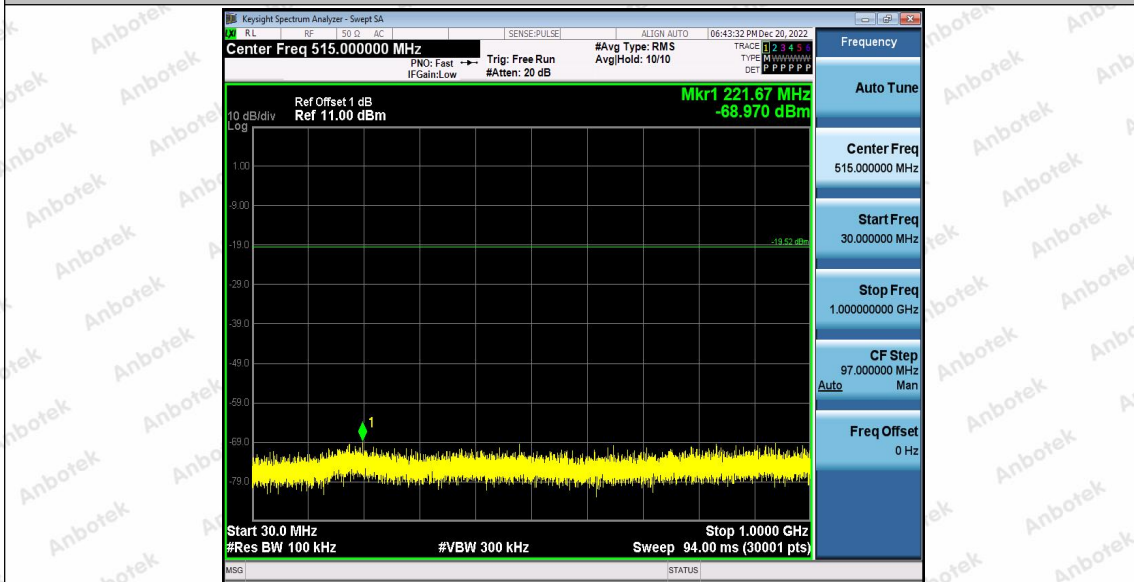
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BLE_1M_Ant1_2480_30~1000



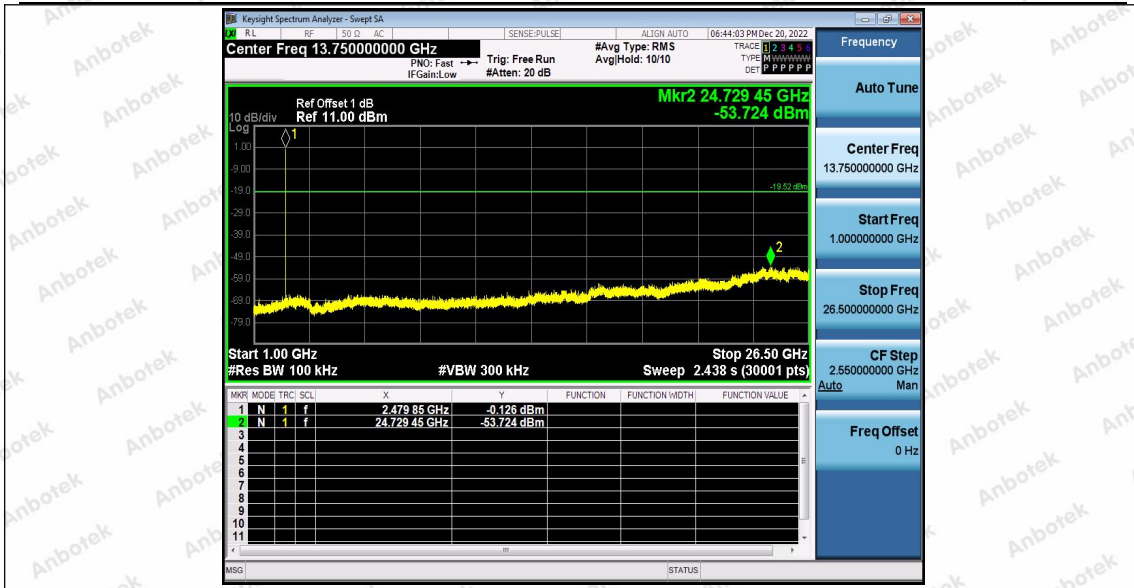
BLE_1M_Ant1_2480_1000~26500

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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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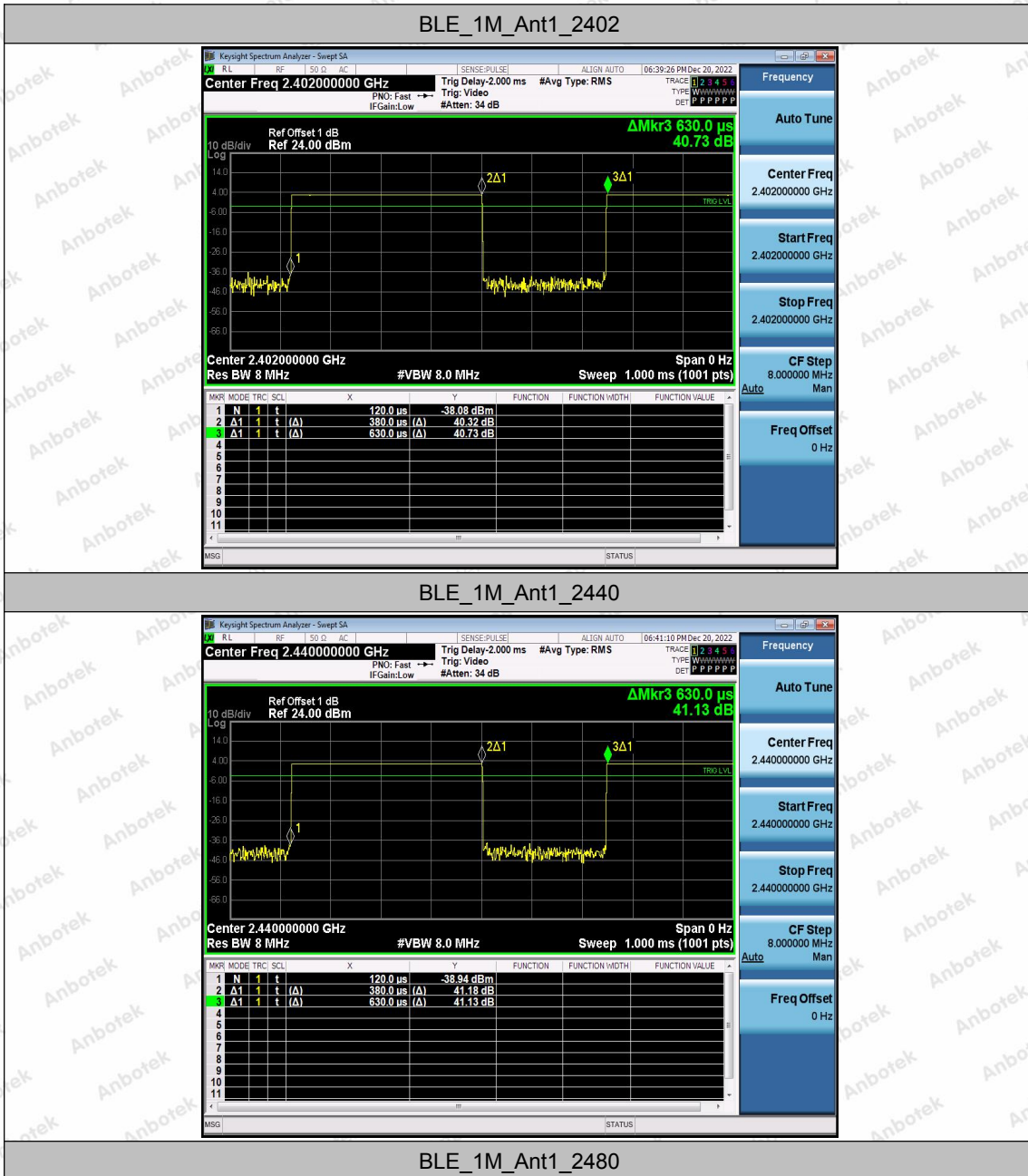
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Test Graphs

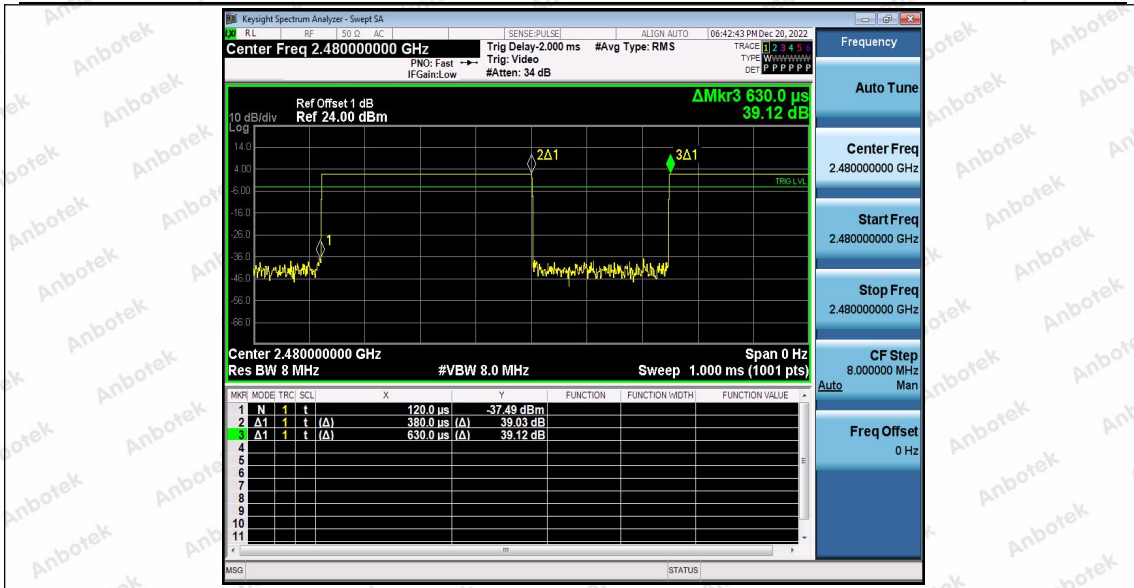


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