

Appendix Test Data

Report No.:	18220WC20212201	Test Sample No.:	1-2-2
Start Test Date:	2022.9.7	Finish Test Date:	2022.9.13
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	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	0.684	2401.668	2402.352	0.5	PASS
		2440	0.692	2439.644	2440.336	0.5	PASS
		2480	0.676	2479.660	2480.336	0.5	PASS

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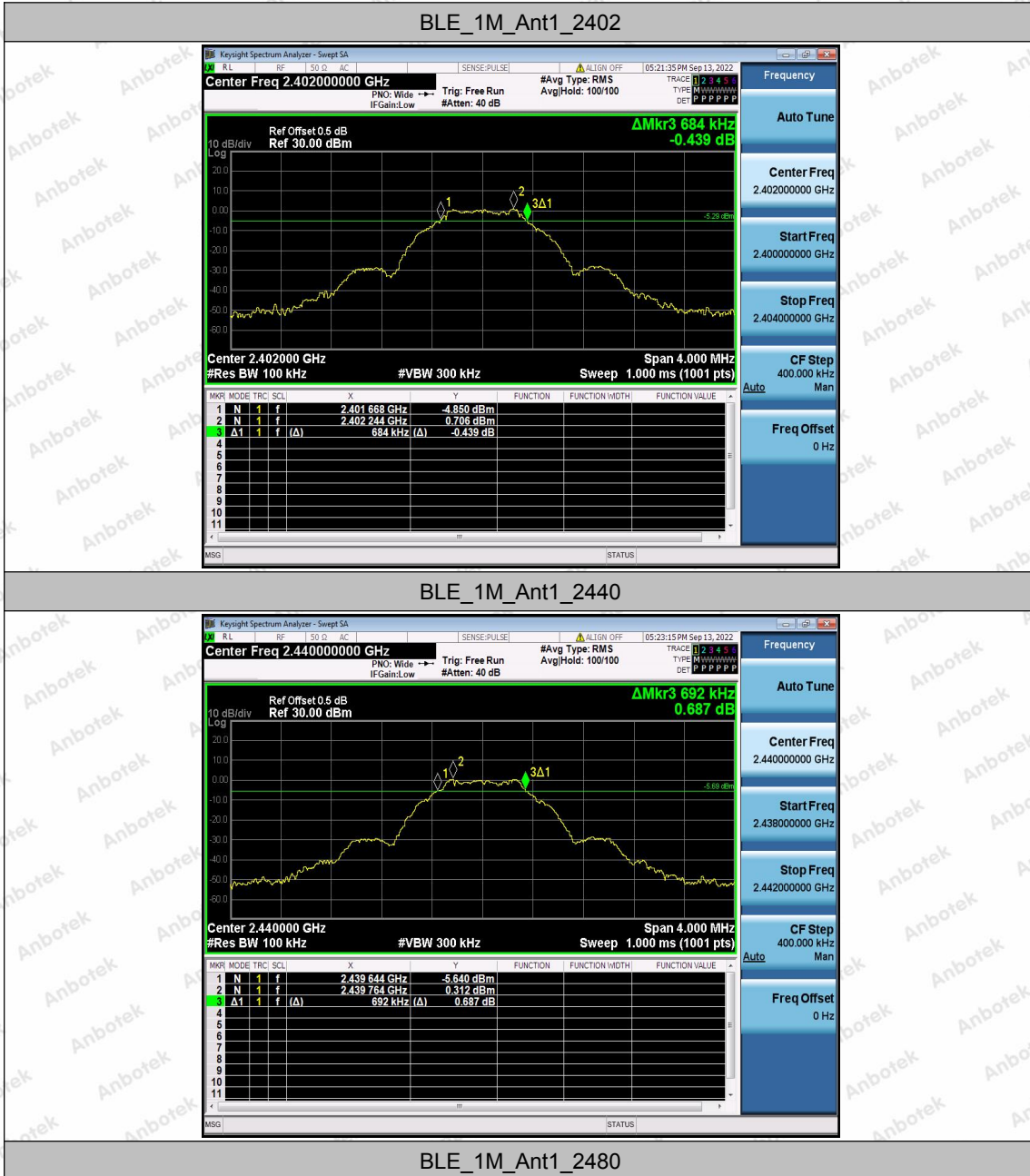
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Test Graphs

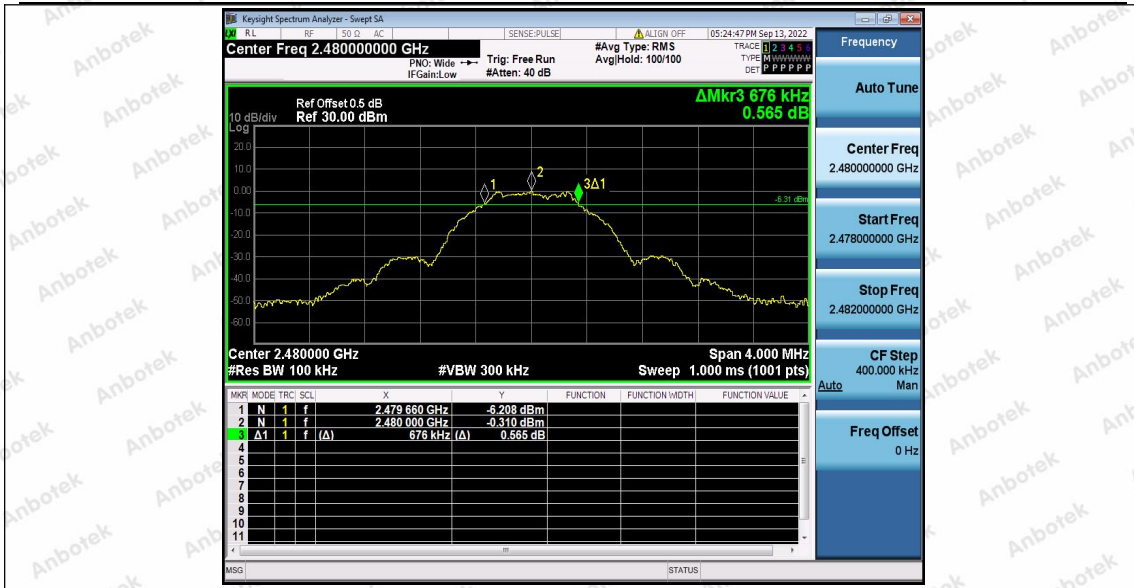


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0296	2401.4961	2402.5257
		2440	1.0266	2439.4962	2440.5228
		2480	1.0307	2479.4959	2480.5266

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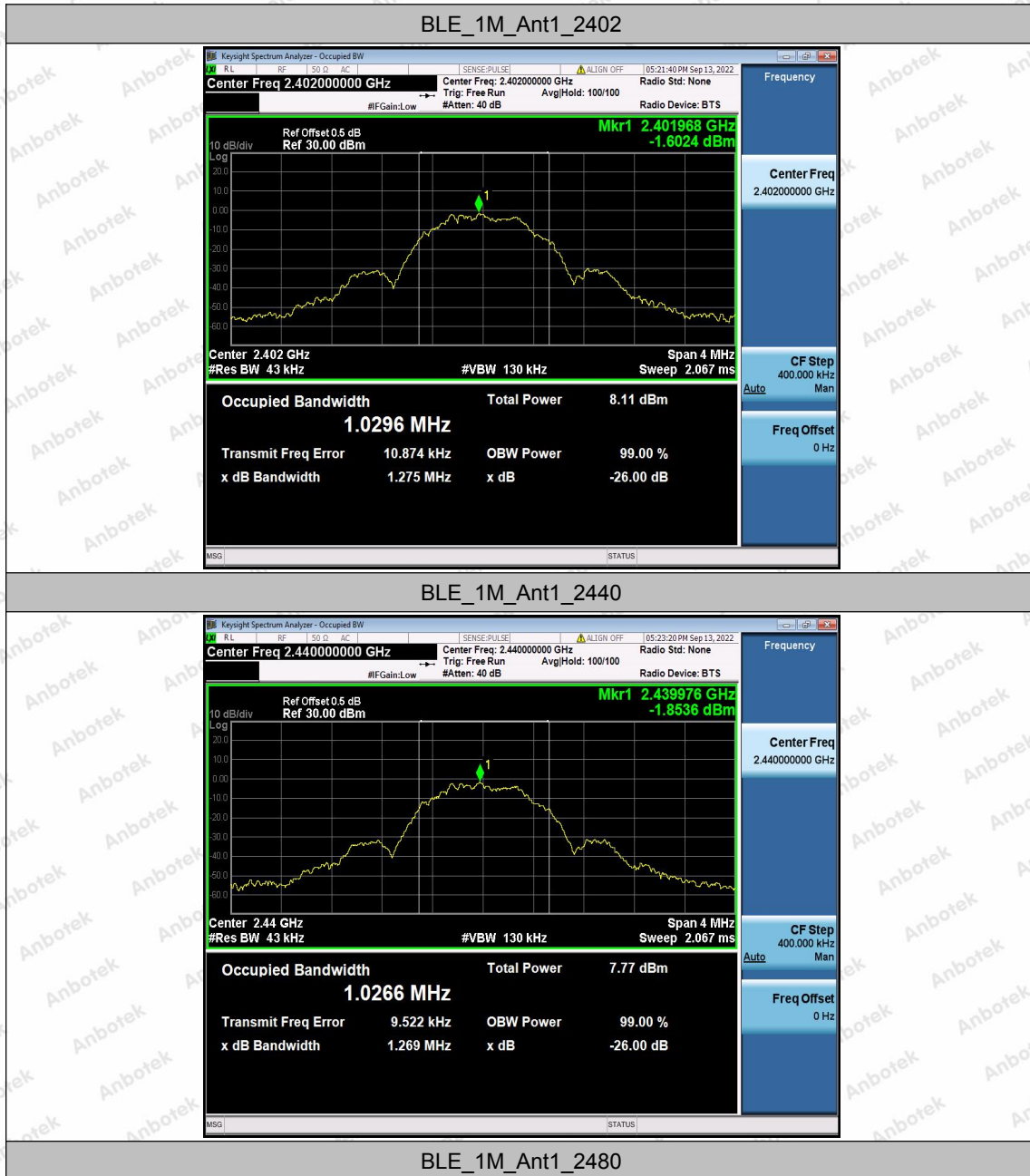
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Test Graphs





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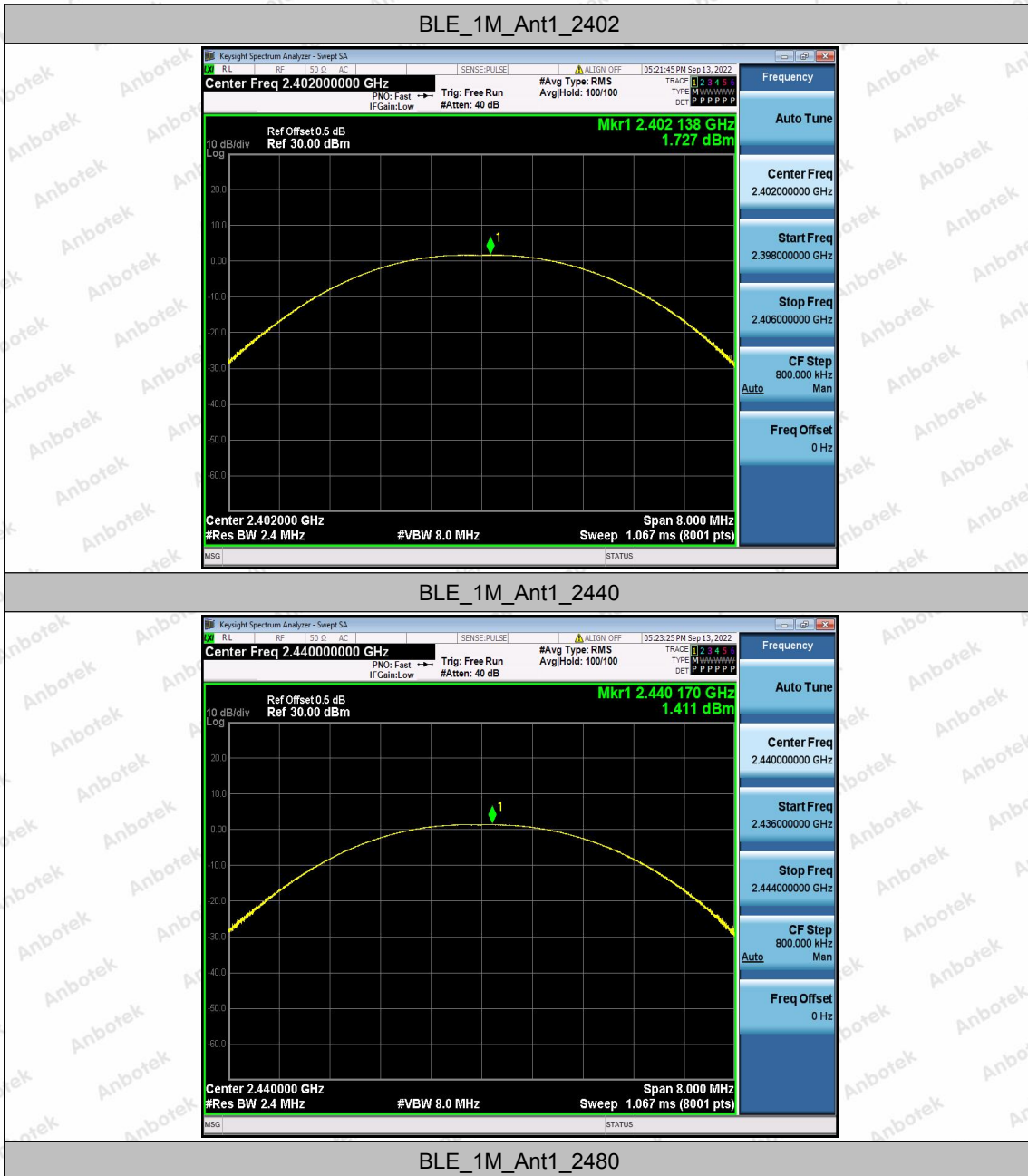
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.73	≤30	PASS
		2440	1.41	≤30	PASS
		2480	0.63	≤30	PASS



Test Graphs Peak

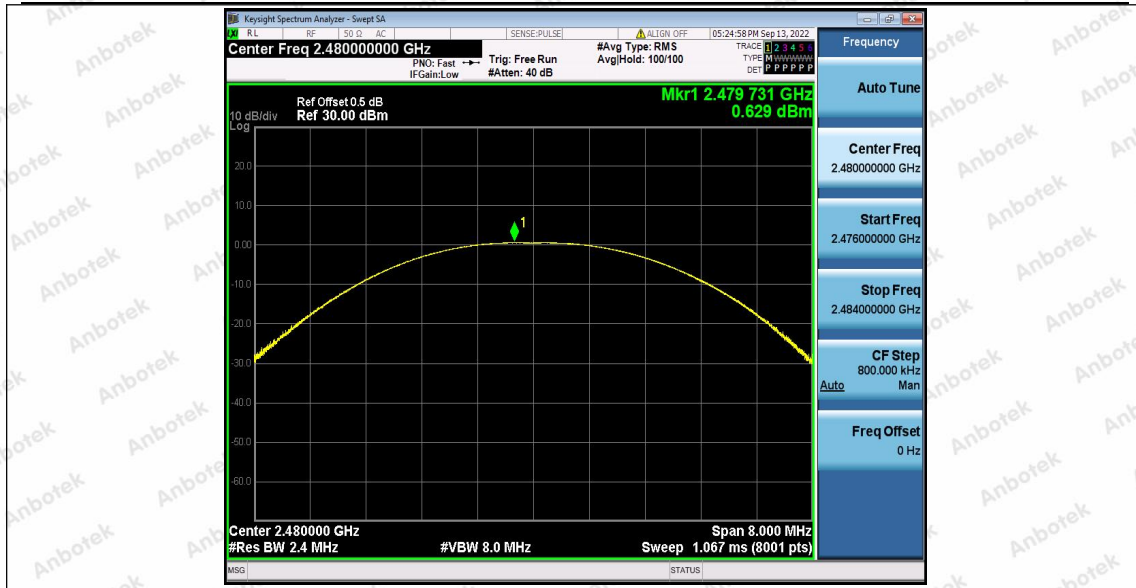


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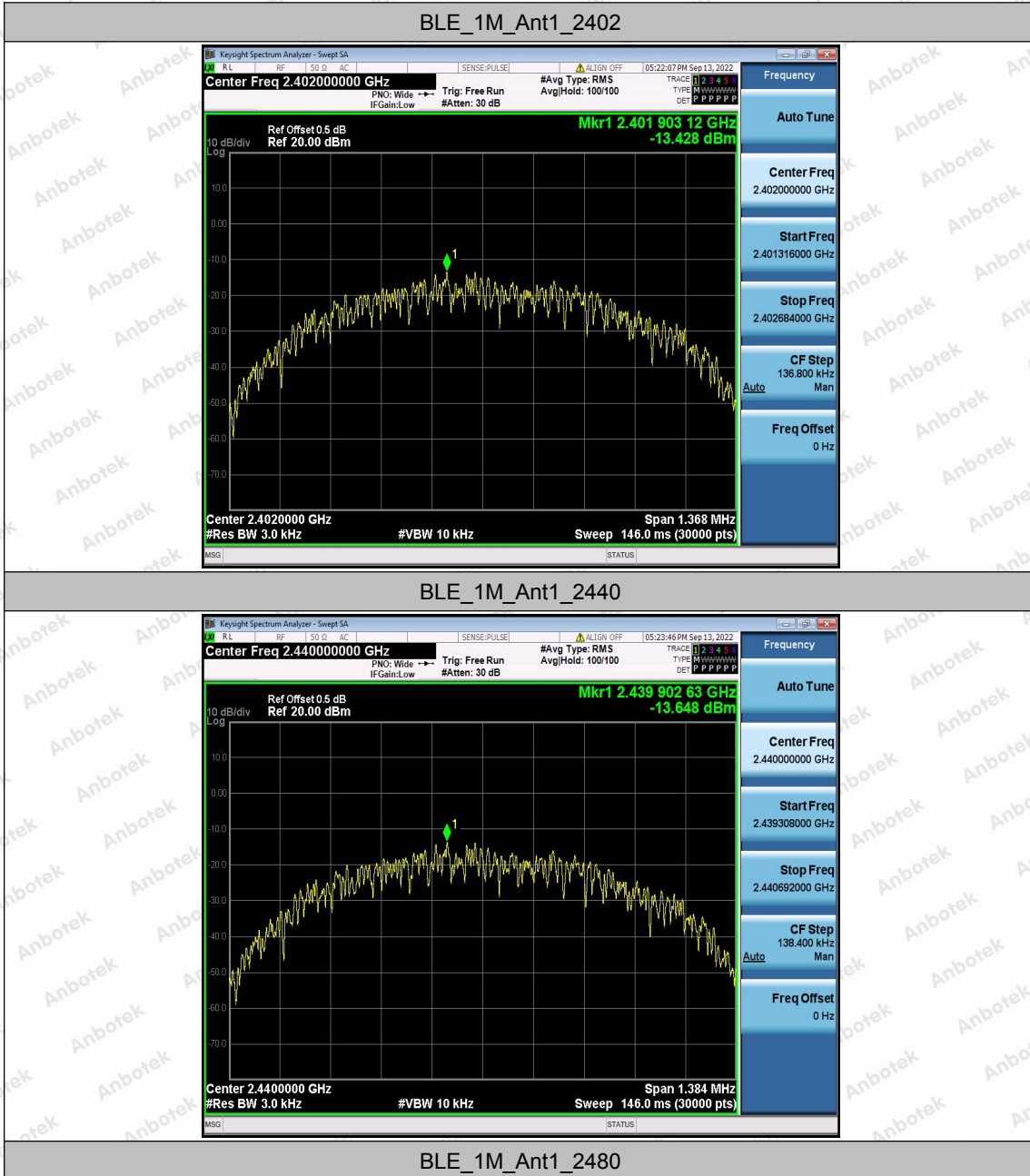
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.43	≤8.00	PASS
		2440	-13.65	≤8.00	PASS
		2480	-14.41	≤8.00	PASS



Test Graphs

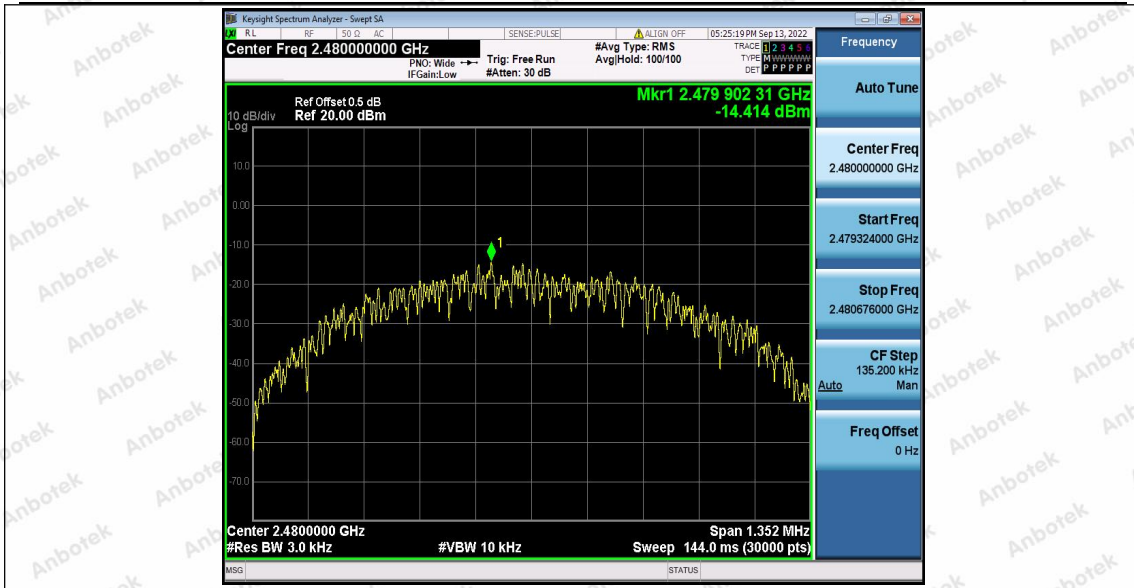


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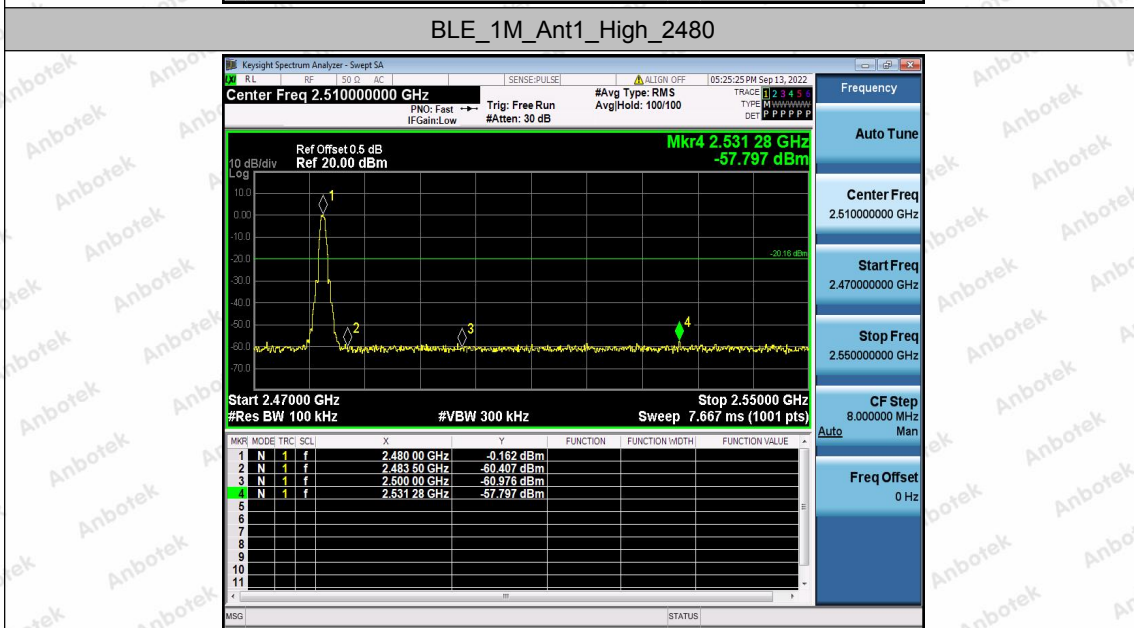
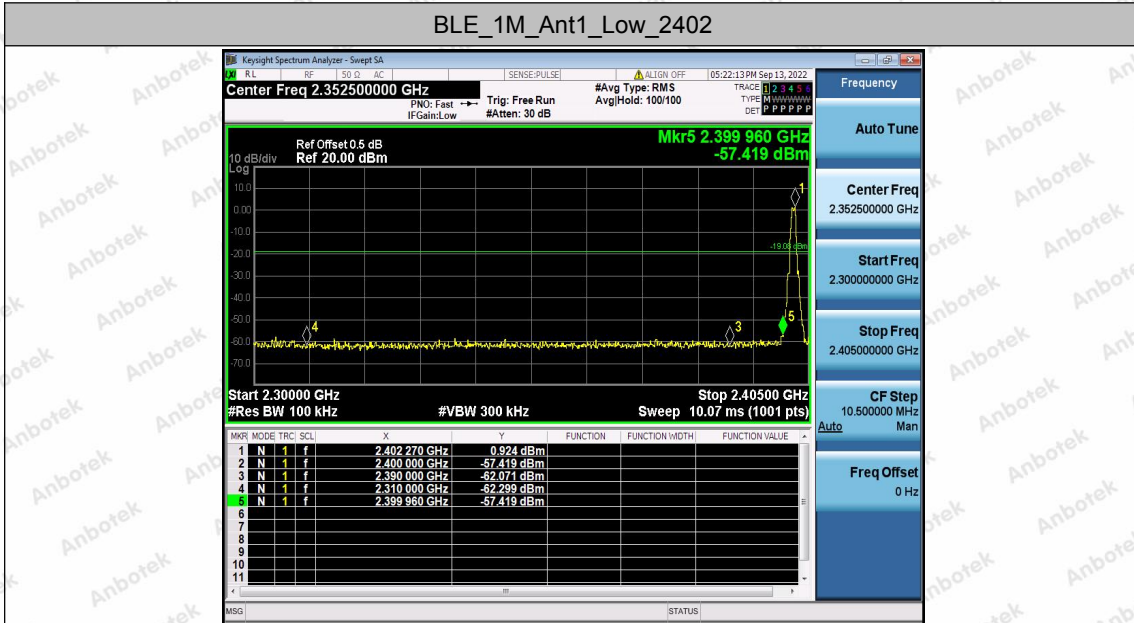
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.92	-57.42	≤-19.08	PASS
		High	2480	-0.16	-57.8	≤-20.16	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	-0.14	-0.14	---	PASS
			30~1000	-0.14	-70.15	≤-30.14	PASS
			1000~26500	-0.14	-54	≤-30.14	PASS
		2440	Reference	0.05	0.05	---	PASS
			30~1000	0.05	-69.71	≤-29.95	PASS
			1000~26500	0.05	-54.24	≤-29.95	PASS
		2480	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-69.13	≤-30.8	PASS
			1000~26500	-0.80	-54.48	≤-30.8	PASS



Test Graphs

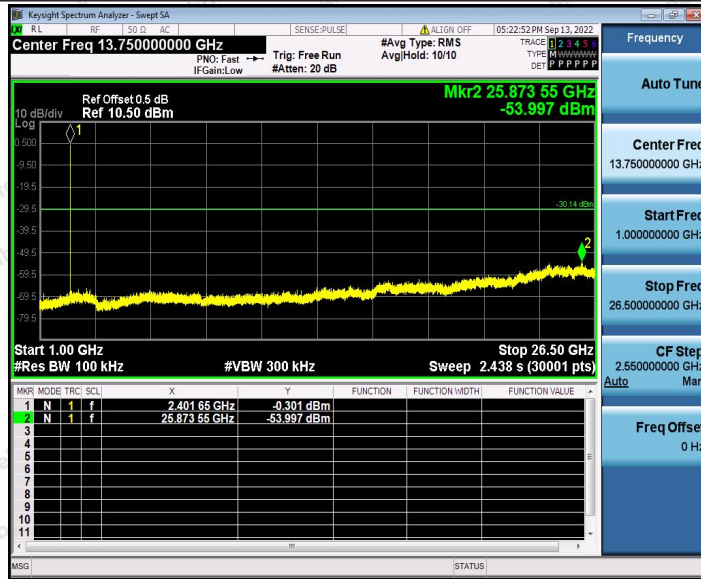


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BLE_1M_Ant1_2440_0~Reference



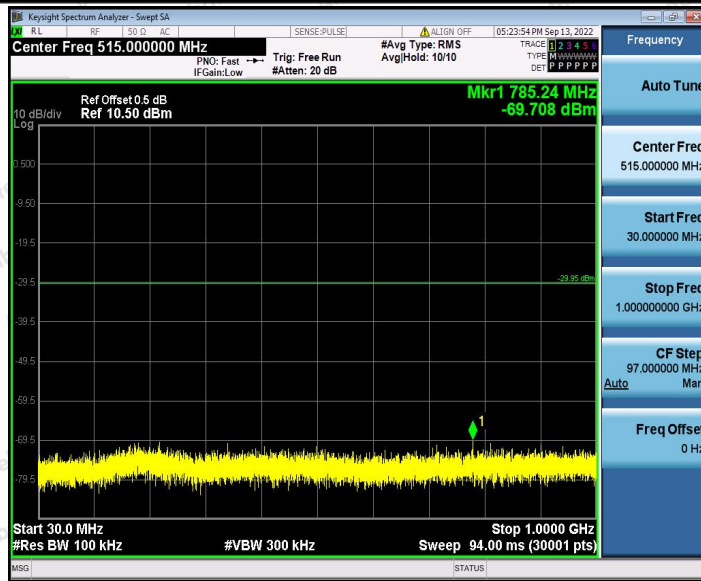
BLE_1M_Ant1_2440_30~1000

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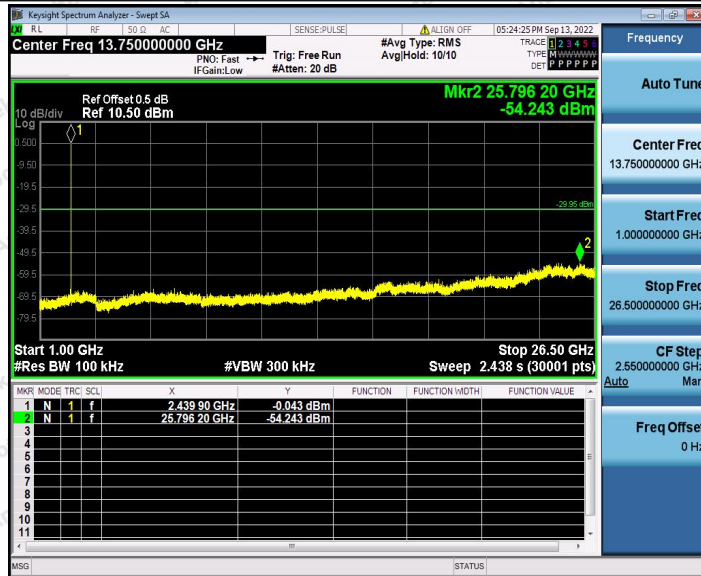
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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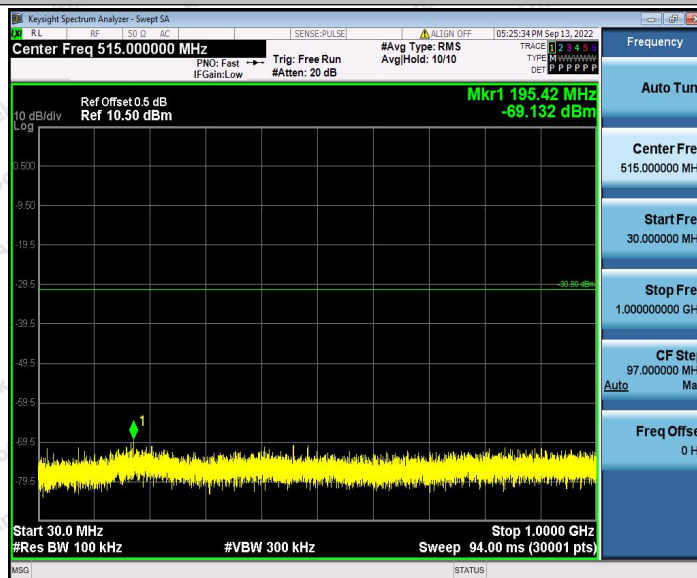
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BLE_1M_Ant1_2480_30~1000



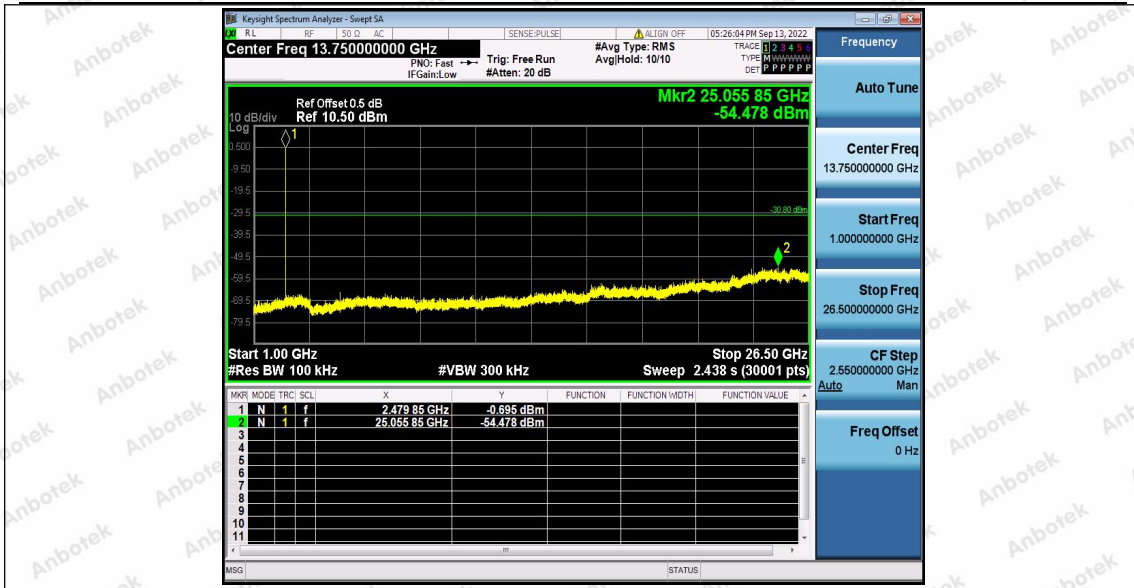
BLE_1M_Ant1_2480_1000~26500

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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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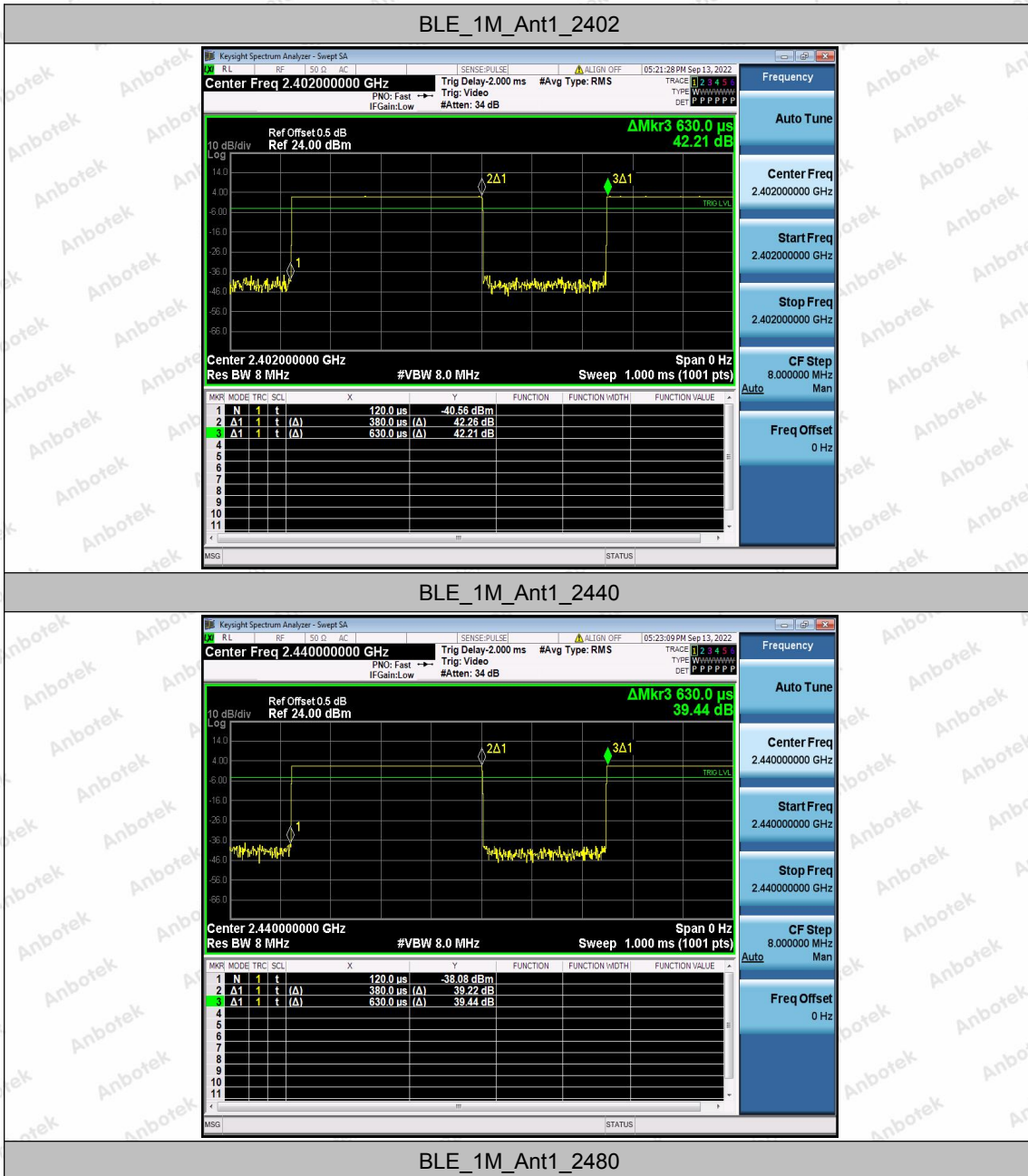
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Test Graphs

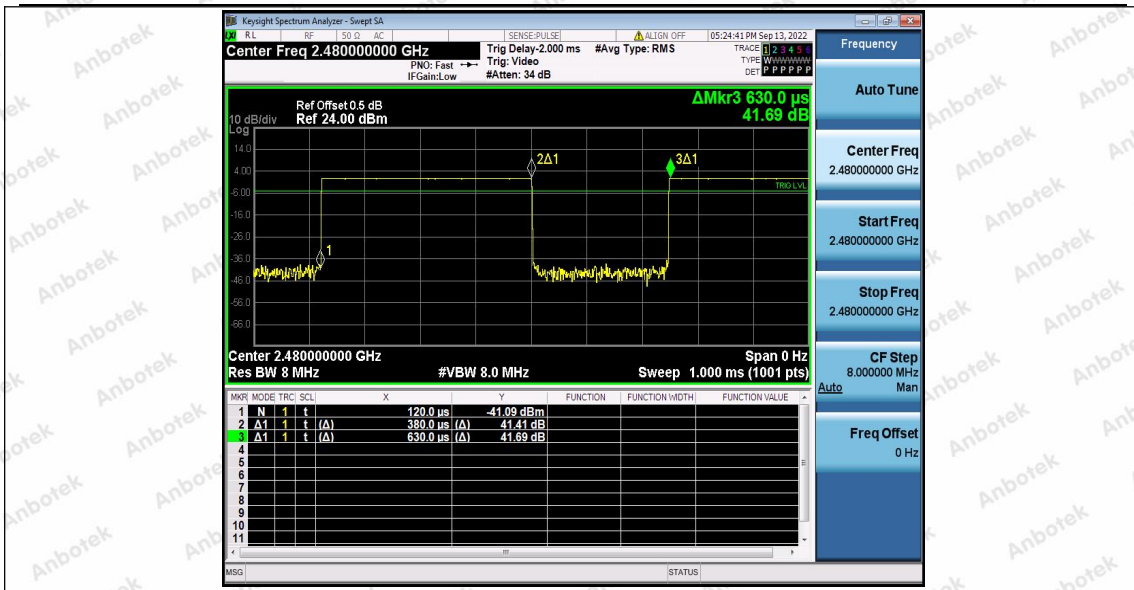


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