

Appendix Test Data

Report No.:	18220WC30245501	Test Sample No.:	1-2-2
Start Test Date:	2023.12.04	Finish Test Date:	2023.12.05
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	44%
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	0.692	2401.652	2402.344	0.5	PASS
		2440	0.680	2439.656	2440.336	0.5	PASS
		2480	0.692	2479.644	2480.336	0.5	PASS

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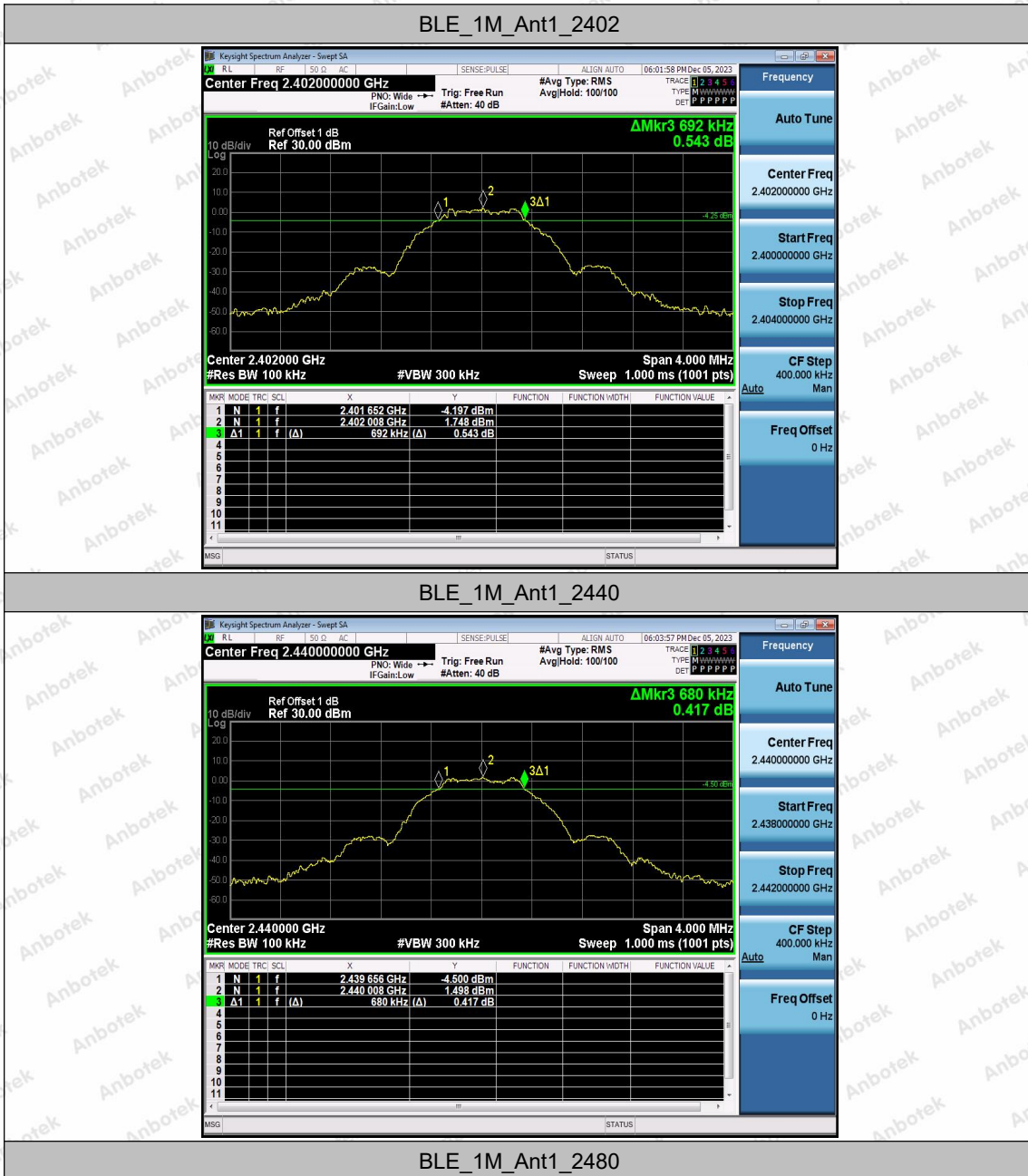
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Test Graphs

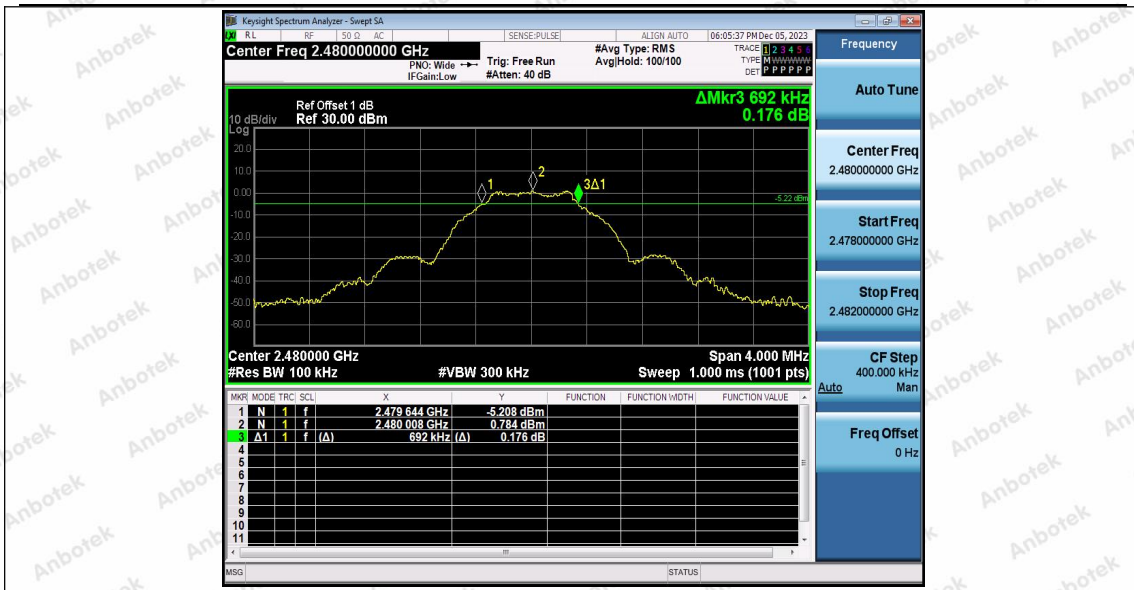


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0332	2401.4980	2402.5312
		2440	1.0313	2439.4951	2440.5264
		2480	1.0243	2479.4957	2480.5200

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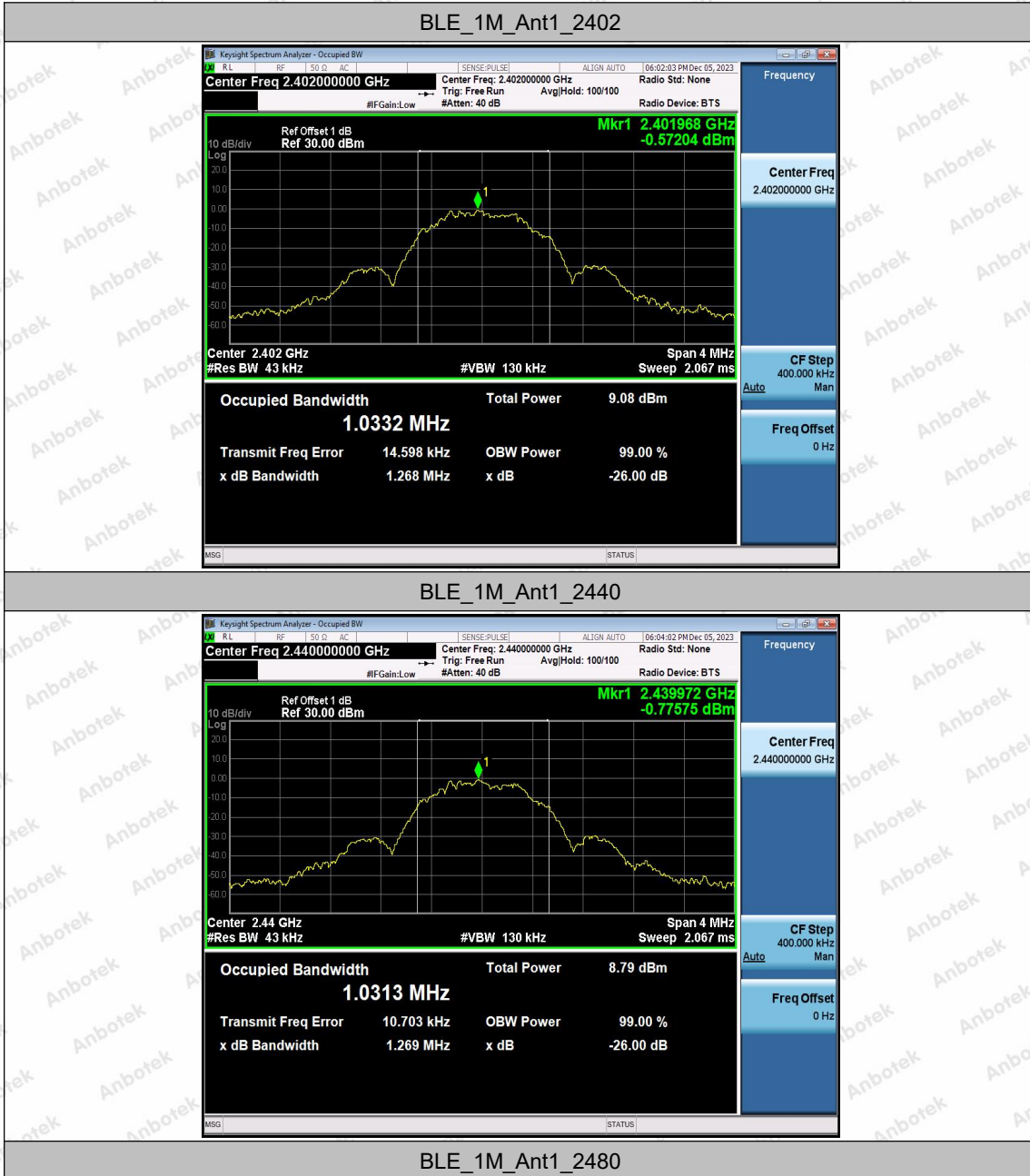
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Test Graphs



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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	2.77	≤30	PASS
		2440	2.50	≤30	PASS
		2480	1.76	≤30	PASS

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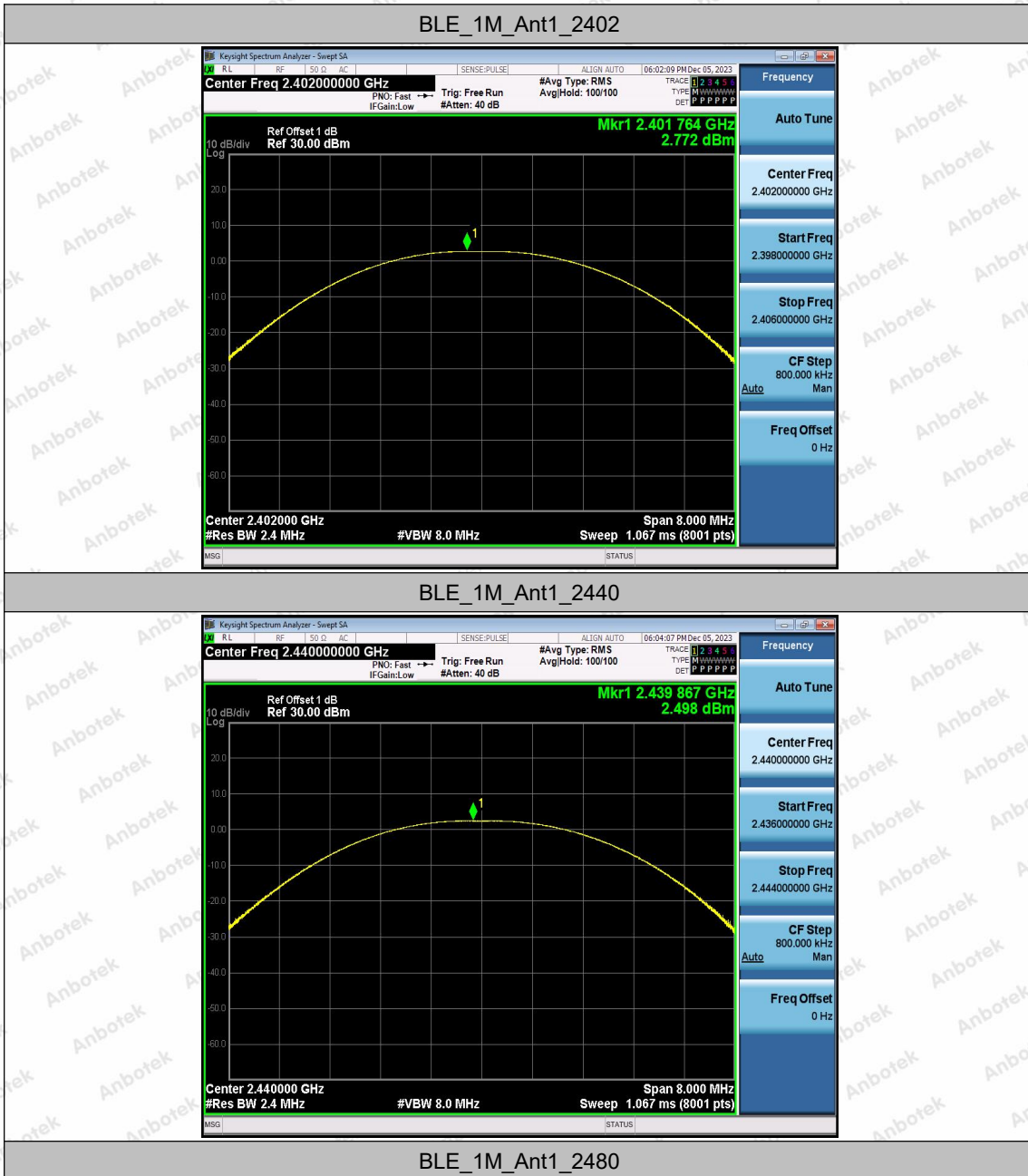
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Test Graphs Peak

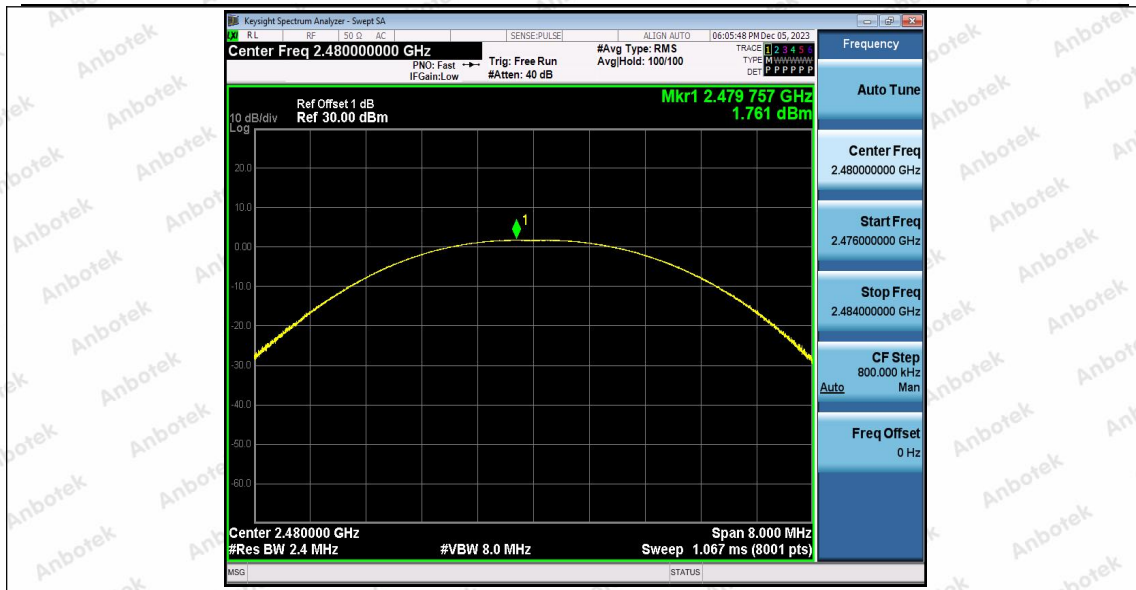


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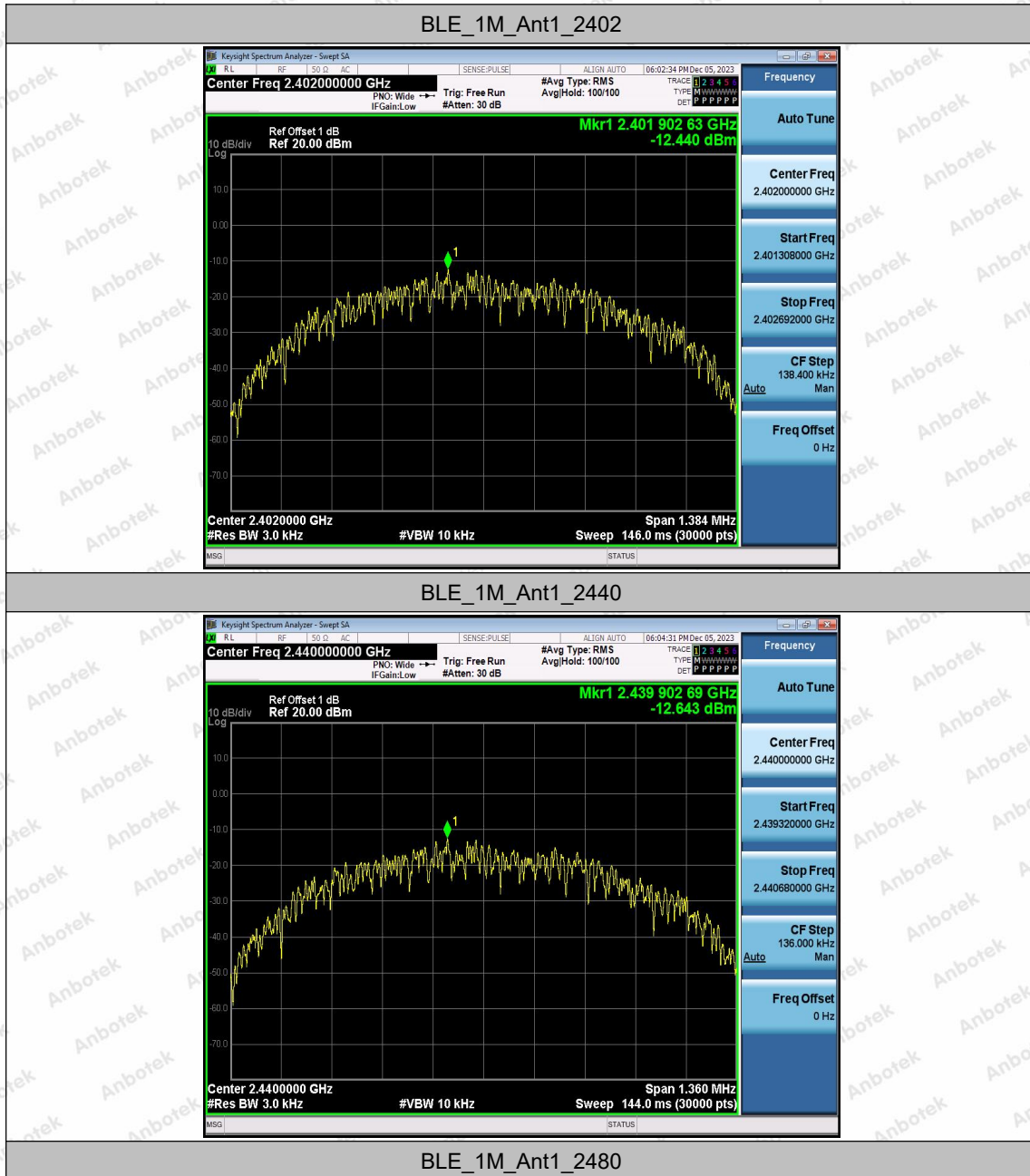
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.44	≤8.00	PASS
		2440	-12.64	≤8.00	PASS
		2480	-13.40	≤8.00	PASS



Test Graphs



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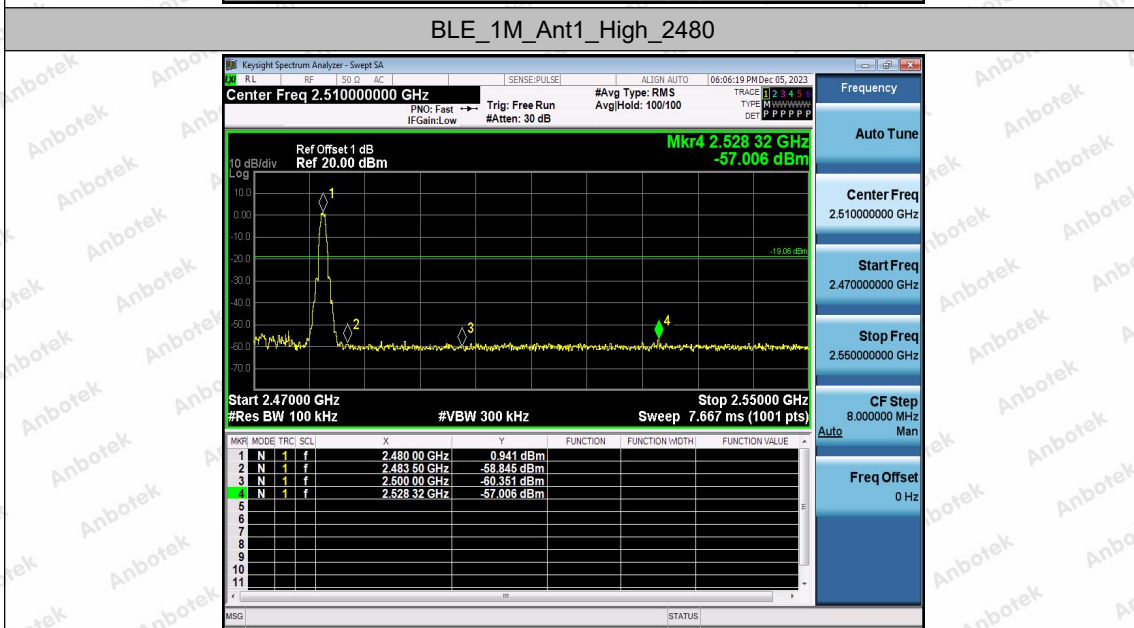
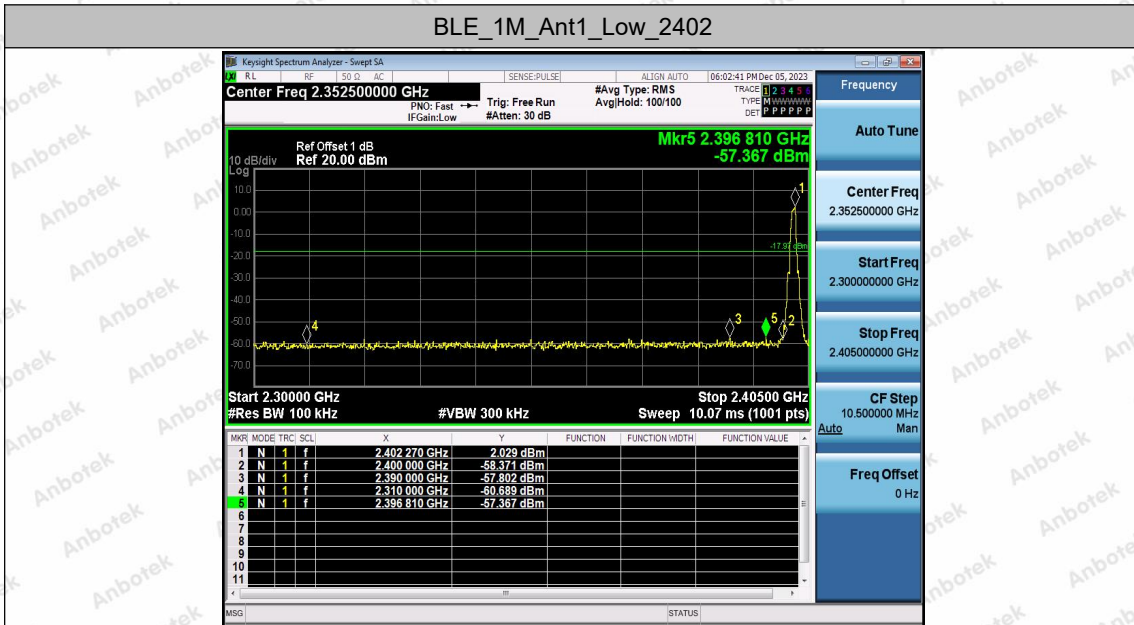
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.03	-57.37	≤-17.97	PASS
		High	2480	0.94	-57.01	≤-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	1.81	1.81	---	PASS
			30~1000	1.81	-69.72	≤-18.19	PASS
			1000~26500	1.81	-53.58	≤-18.19	PASS
		2440	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-69.16	≤-18.49	PASS
			1000~26500	1.51	-54.04	≤-18.49	PASS
		2480	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-68.31	≤-19.39	PASS
			1000~26500	0.61	-53.7	≤-19.39	PASS



Test Graphs



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BLE_1M_Ant1_2440_0~Reference



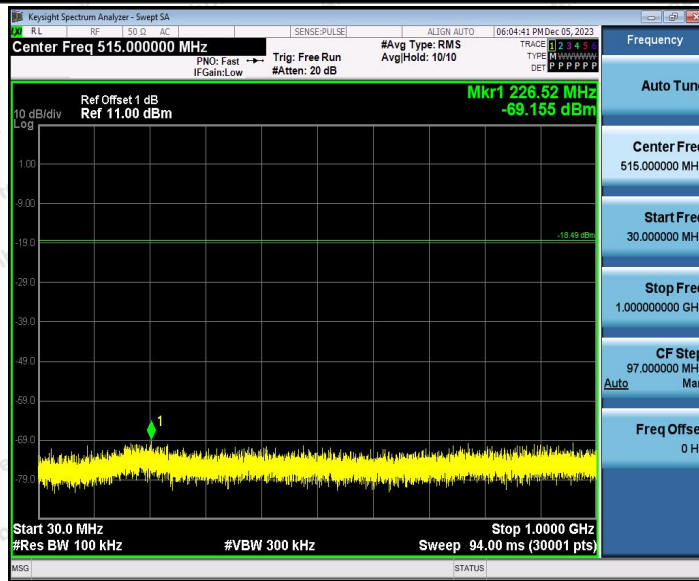
BLE_1M_Ant1_2440_30~1000

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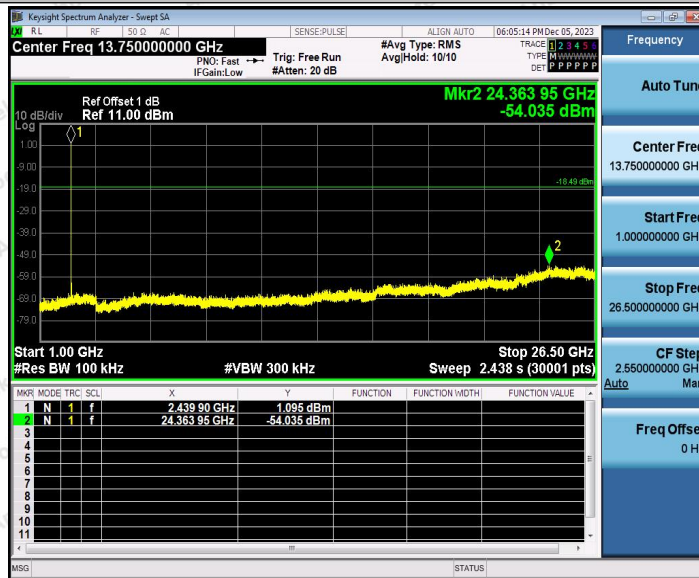
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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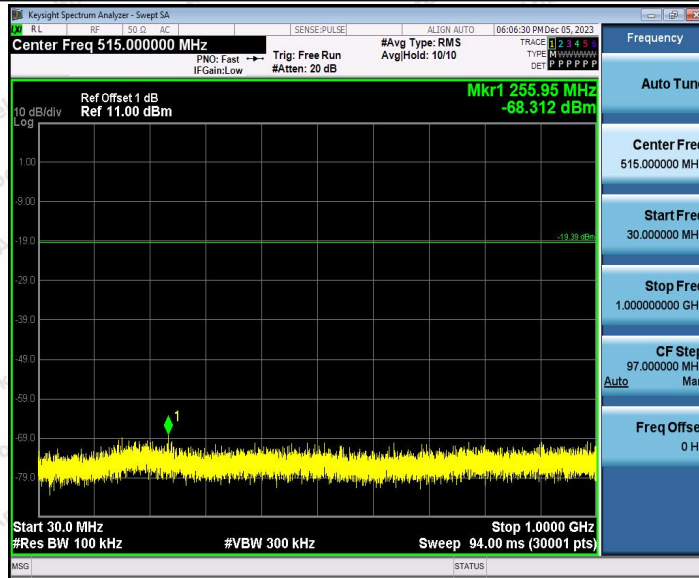
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BLE_1M_Ant1_2480_30~1000



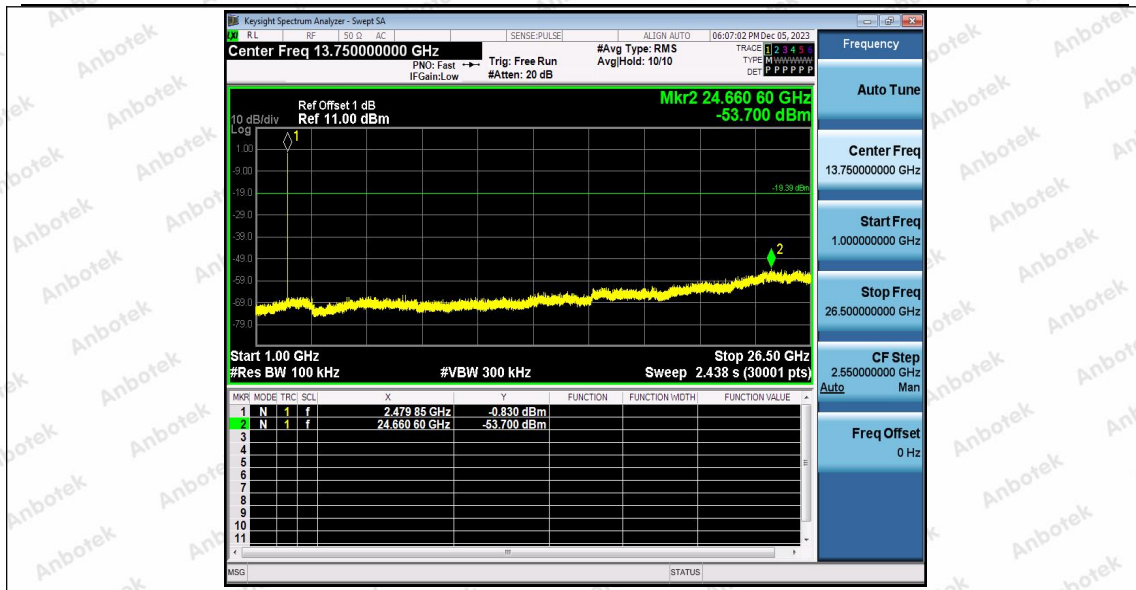
BLE_1M_Ant1_2480_1000~26500

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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	0.62	61.29	2.13
		2440	0.38	0.62	61.29	2.13
		2480	0.38	0.63	60.32	2.20

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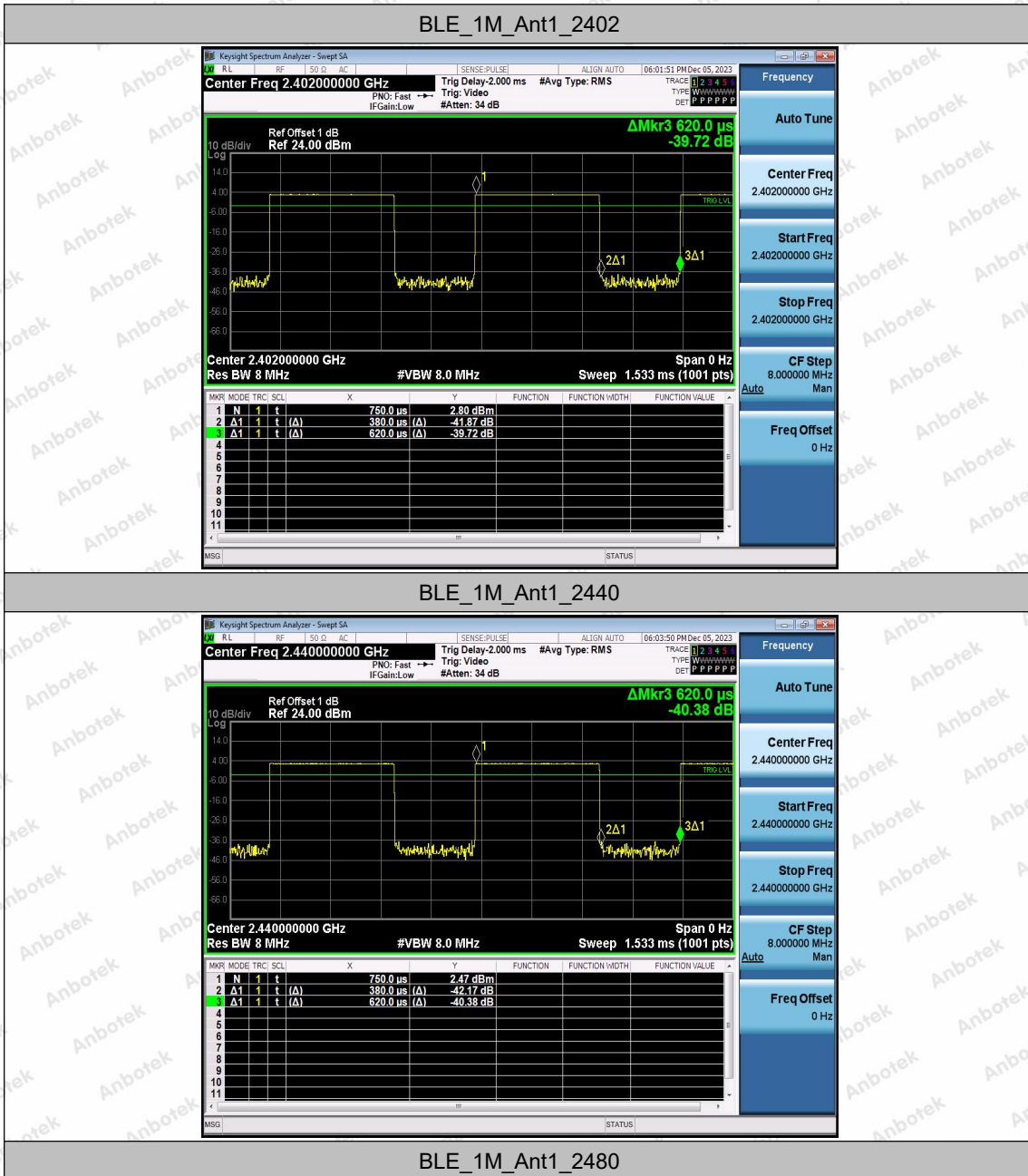
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Test Graphs



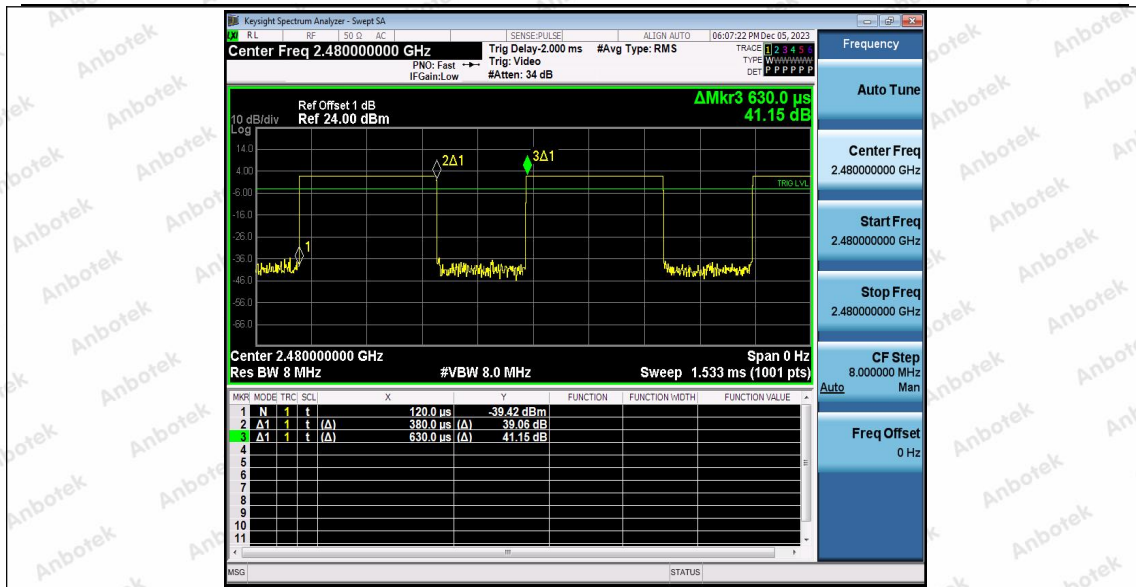
BLE_1M_Ant1_2480

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