

Appendix Test Data

Report No.:	18220WC30265702	Test Sample No.:	1-2-2
Start Test Date:	2023.12.19	Finish Test Date:	2023.12.21
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	23.7°C	Relative Humidity:	40%
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	0.656	2401.668	2402.324	0.5	PASS
		2440	0.704	2439.644	2440.348	0.5	PASS
		2480	0.700	2479.640	2480.340	0.5	PASS

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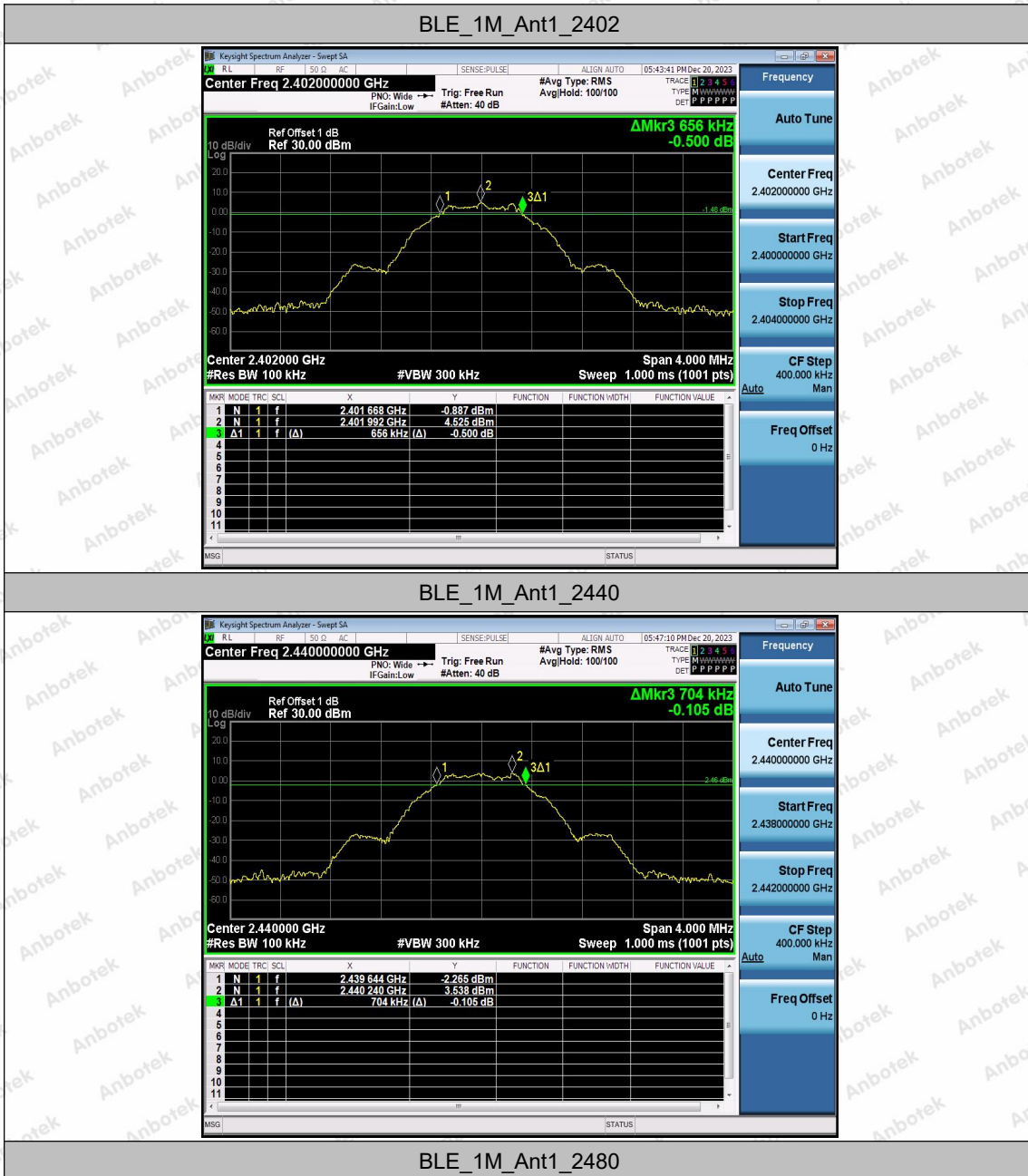
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Test Graphs



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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	1.0464	2401.4809	2402.5273
		2440	1.0426	2439.4820	2440.5246
		2480	1.0462	2479.4794	2480.5256

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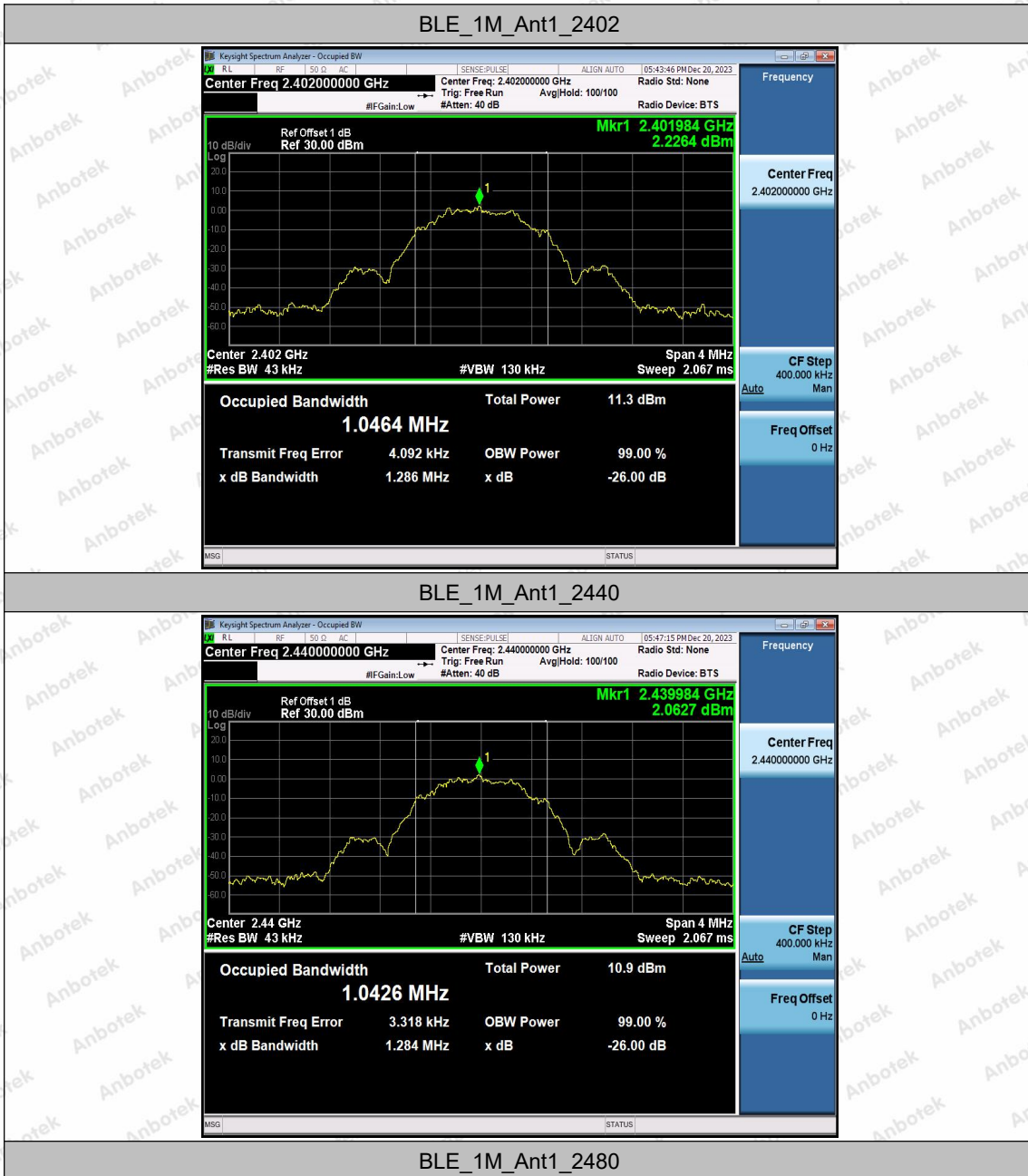
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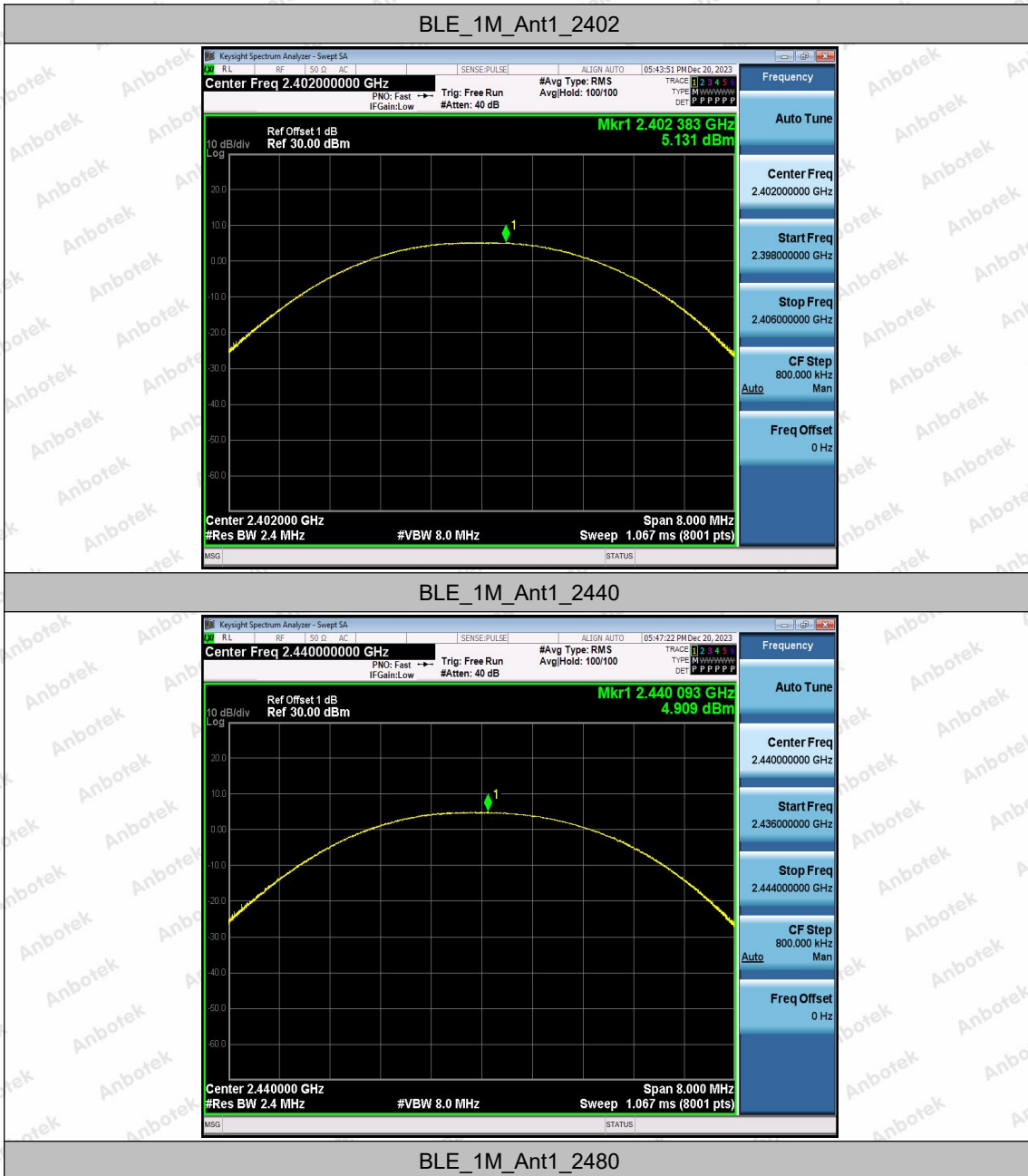
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.13	≤30	PASS
		2440	4.91	≤30	PASS
		2480	4.71	≤30	PASS



Test Graphs Peak

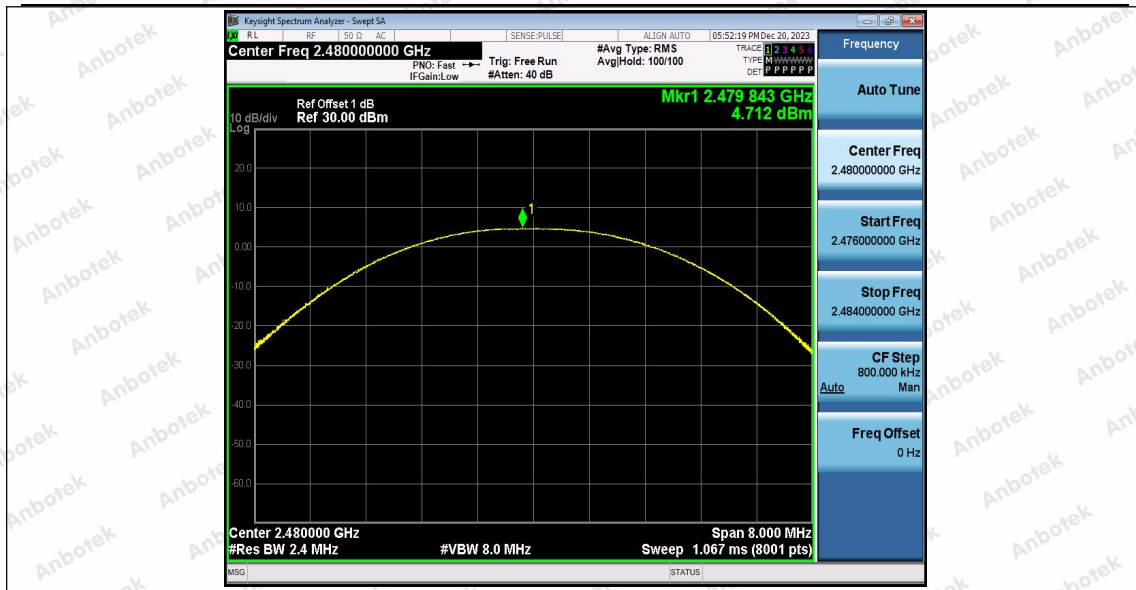


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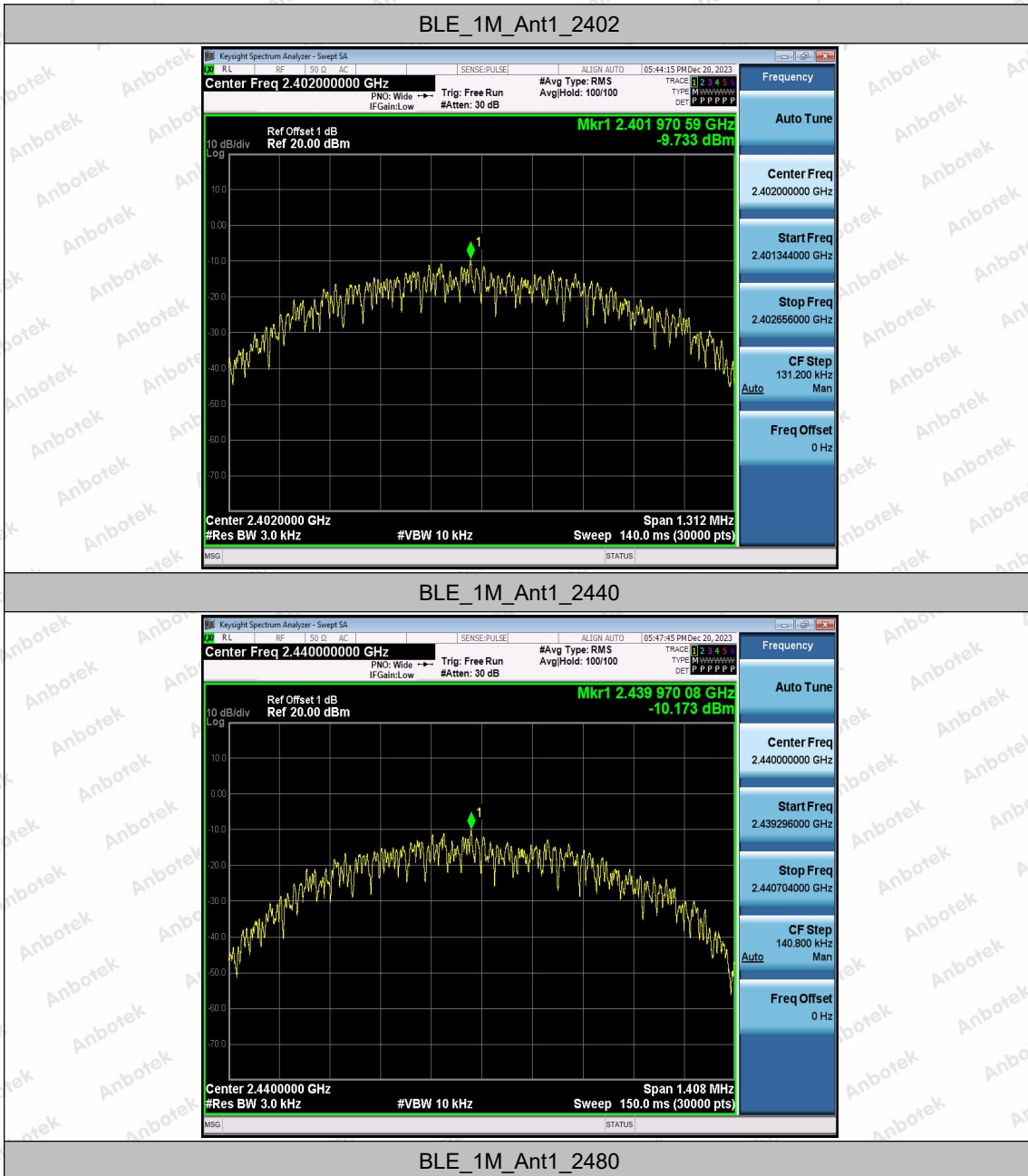
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.73	≤8.00	PASS
		2440	-10.17	≤8.00	PASS
		2480	-10.16	≤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	4.54	-51.59	≤-15.46	PASS
		High	2480	3.92	-55.93	≤-16.08	PASS

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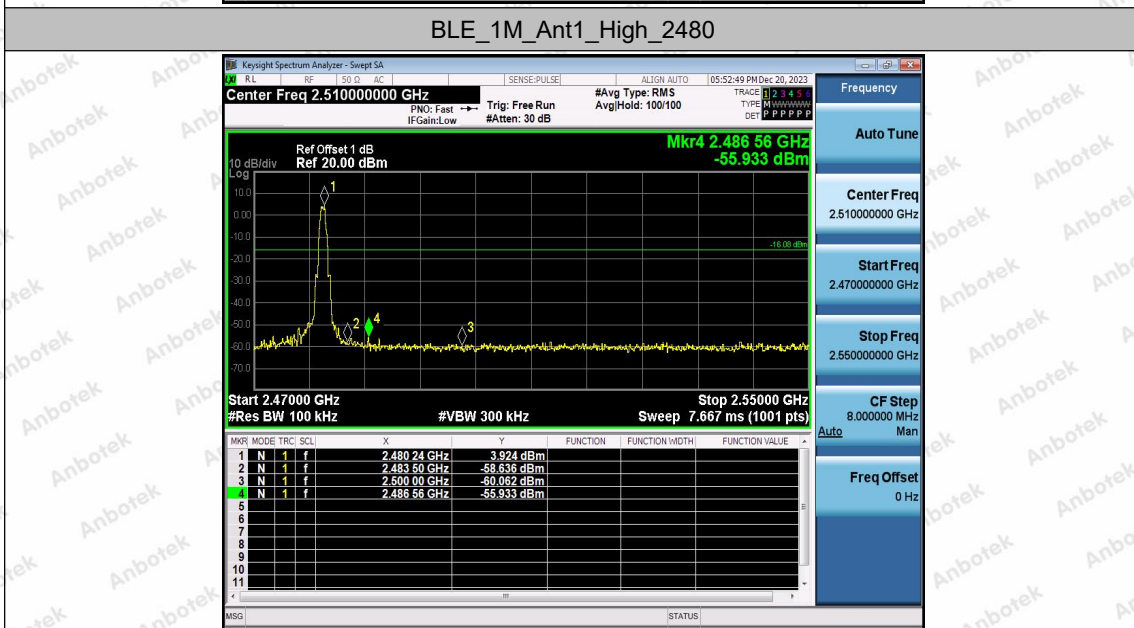
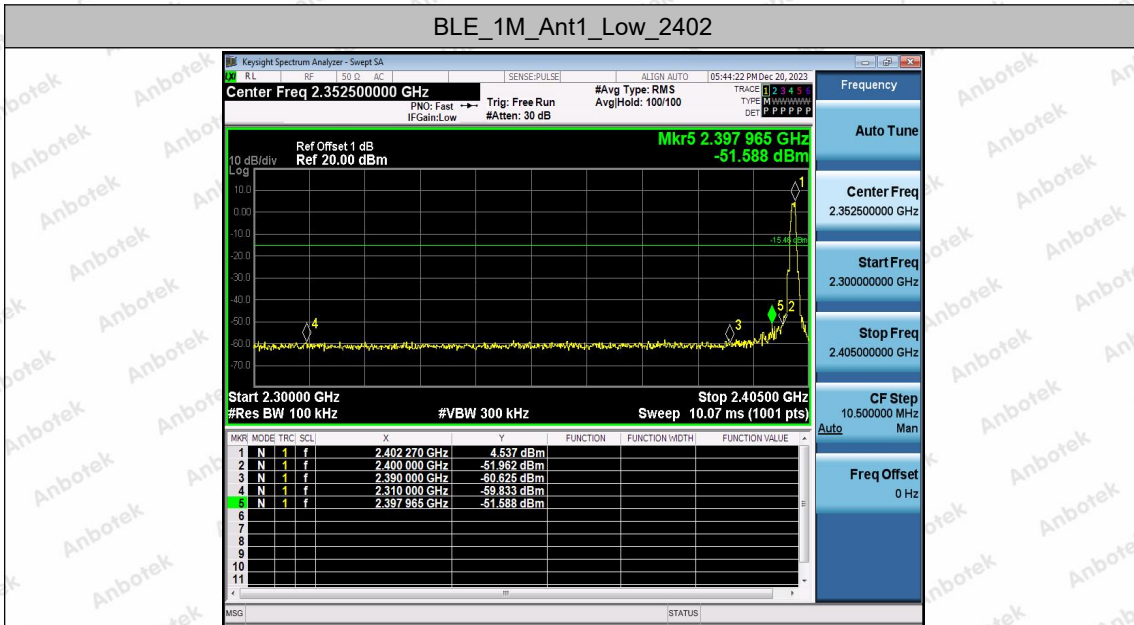
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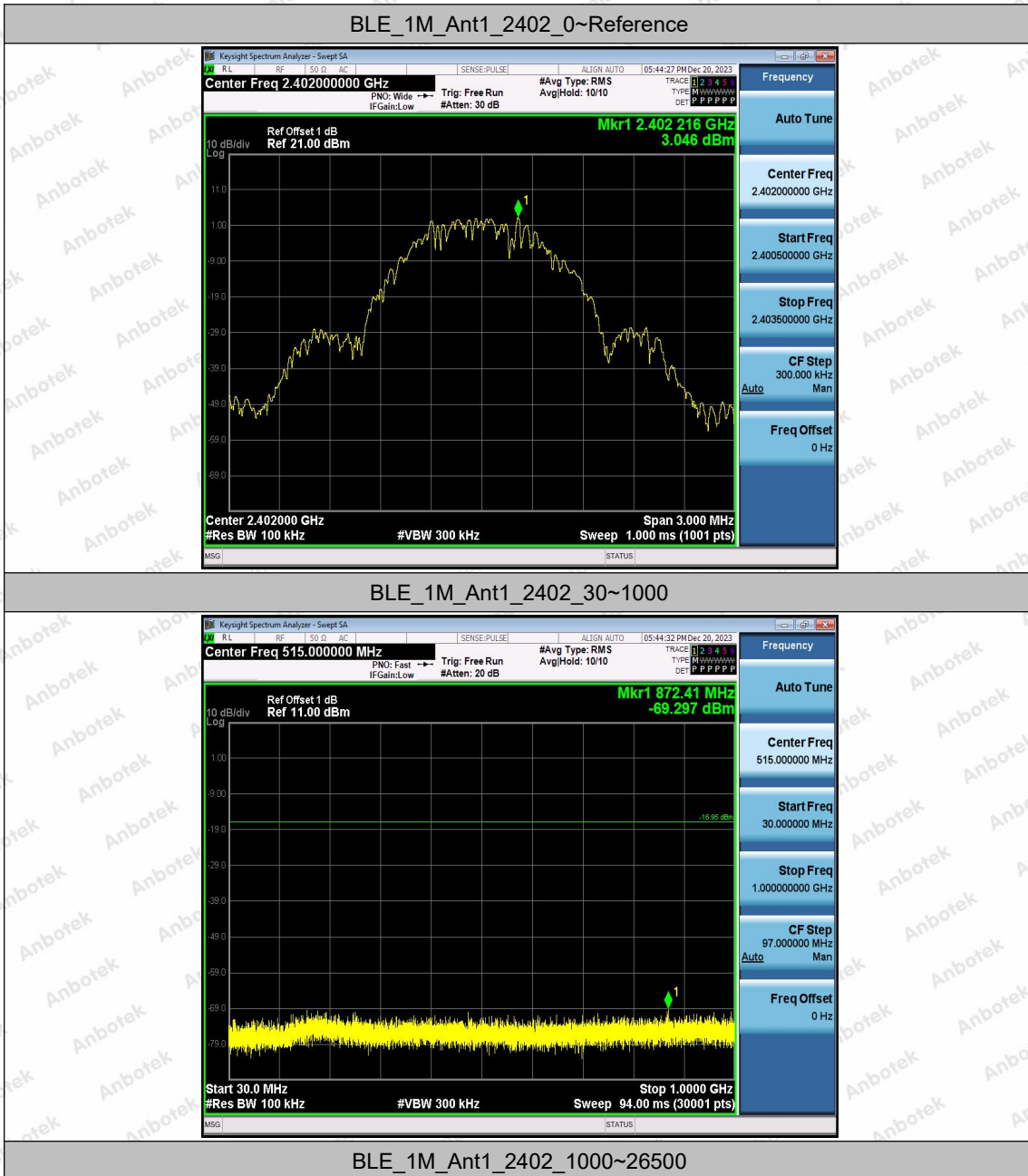
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.05	3.05	---	PASS
			30~1000	3.05	-69.3	≤-16.95	PASS
			1000~26500	3.05	-53.78	≤-16.95	PASS
		2440	Reference	3.20	3.20	---	PASS
			30~1000	3.20	-69.73	≤-16.8	PASS
			1000~26500	3.20	-53.47	≤-16.8	PASS
		2480	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-69.47	≤-16.61	PASS
			1000~26500	3.39	-53.41	≤-16.61	PASS



Test Graphs

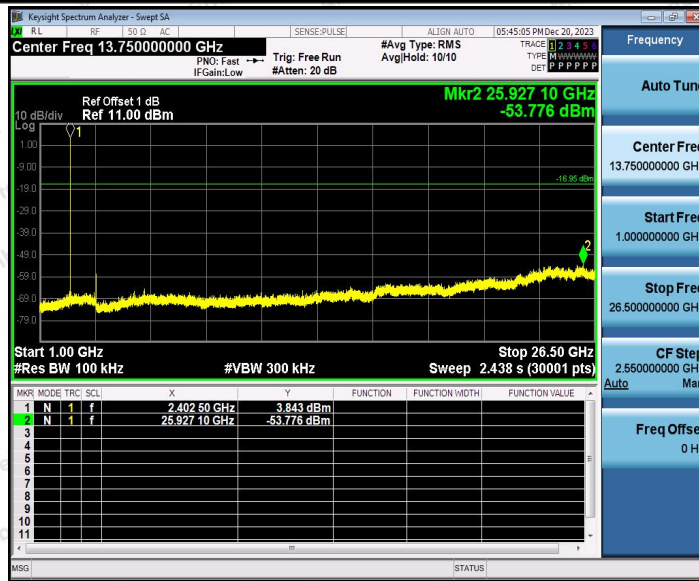


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BLE_1M_Ant1_2440_0~Reference



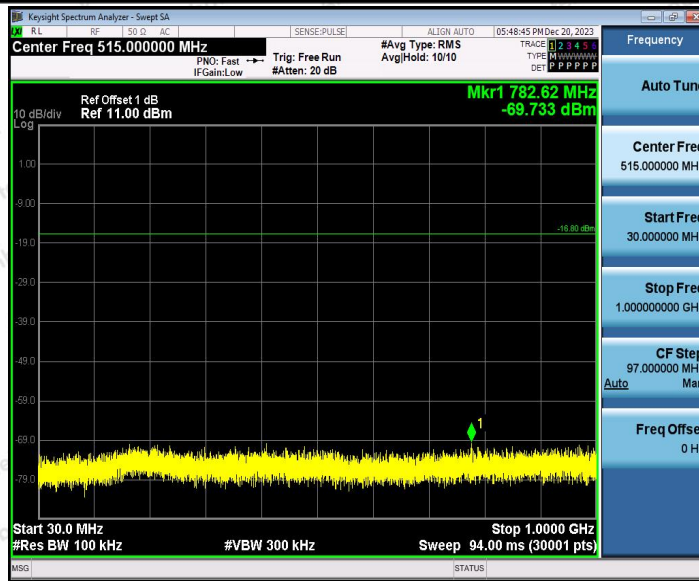
BLE_1M_Ant1_2440_30~1000

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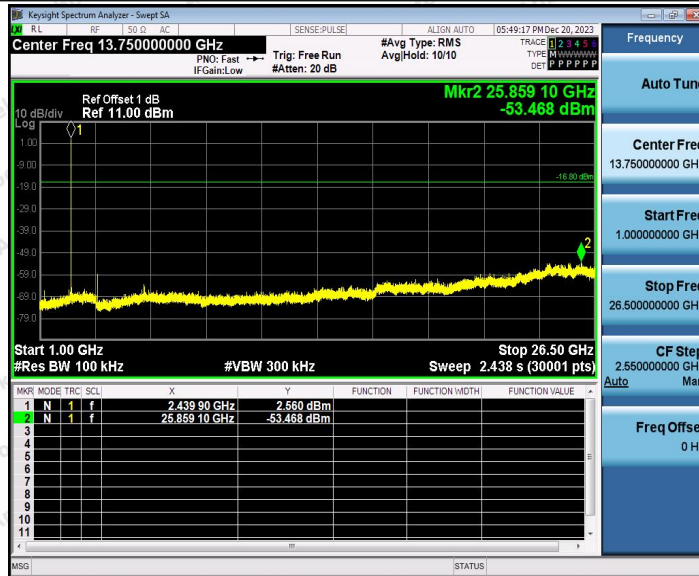
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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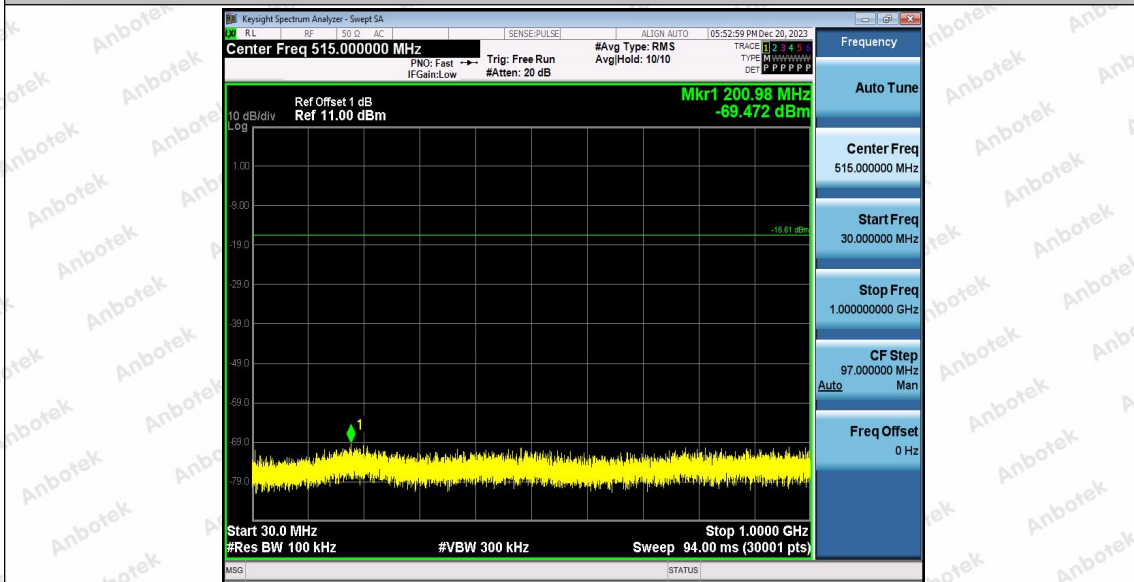
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BLE_1M_Ant1_2480_30~1000



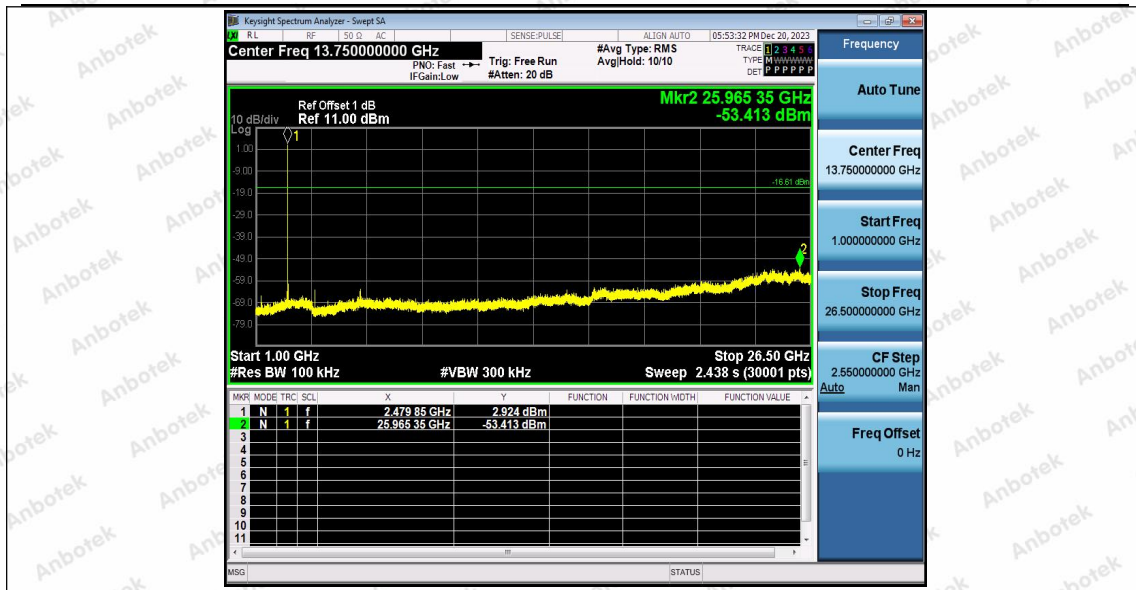
BLE_1M_Ant1_2480_1000~26500

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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	0.62	61.29	2.13

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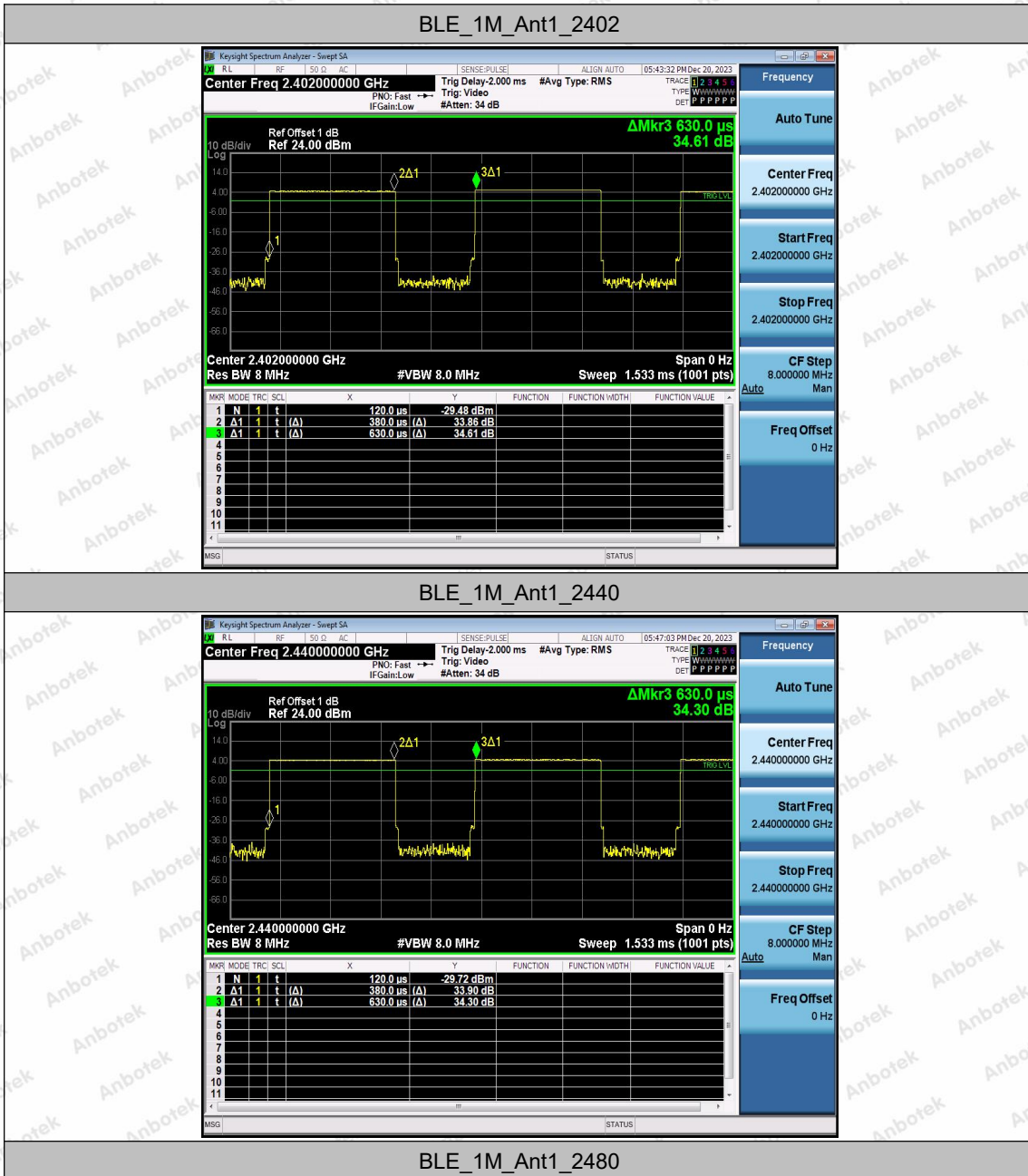
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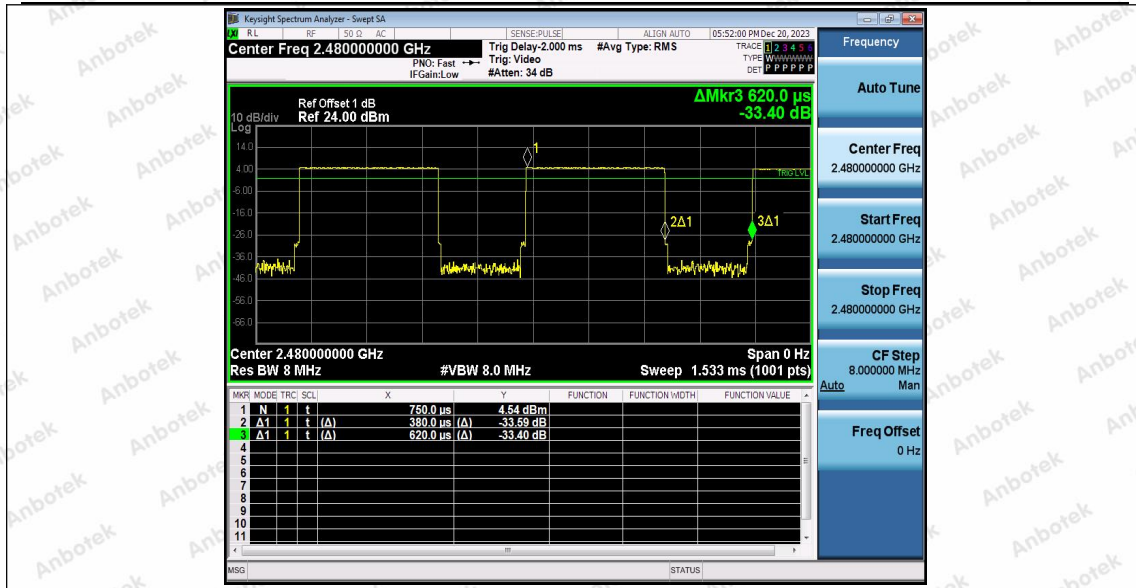


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