

Appendix Test Data

Report No.:	18220WC30276501	Test Sample No.:	1-2-2
Start Test Date:	2023.12.25	Finish Test Date:	2023.12.26
Test Engineer:	Hayman Chen	Auditor:	Justin Feng
Temperature:	25.2°C	Relative Humidity:	43%
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	0.708	2401.636	2402.344	0.5	PASS
		2440	0.664	2439.644	2440.308	0.5	PASS
		2480	0.712	2479.632	2480.344	0.5	PASS

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Test Graphs

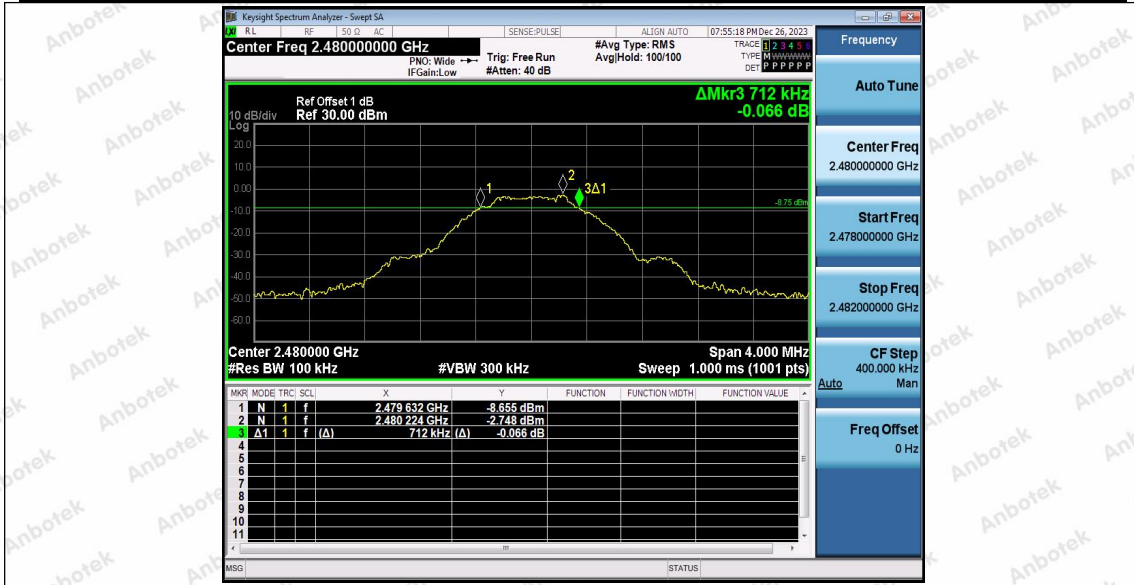


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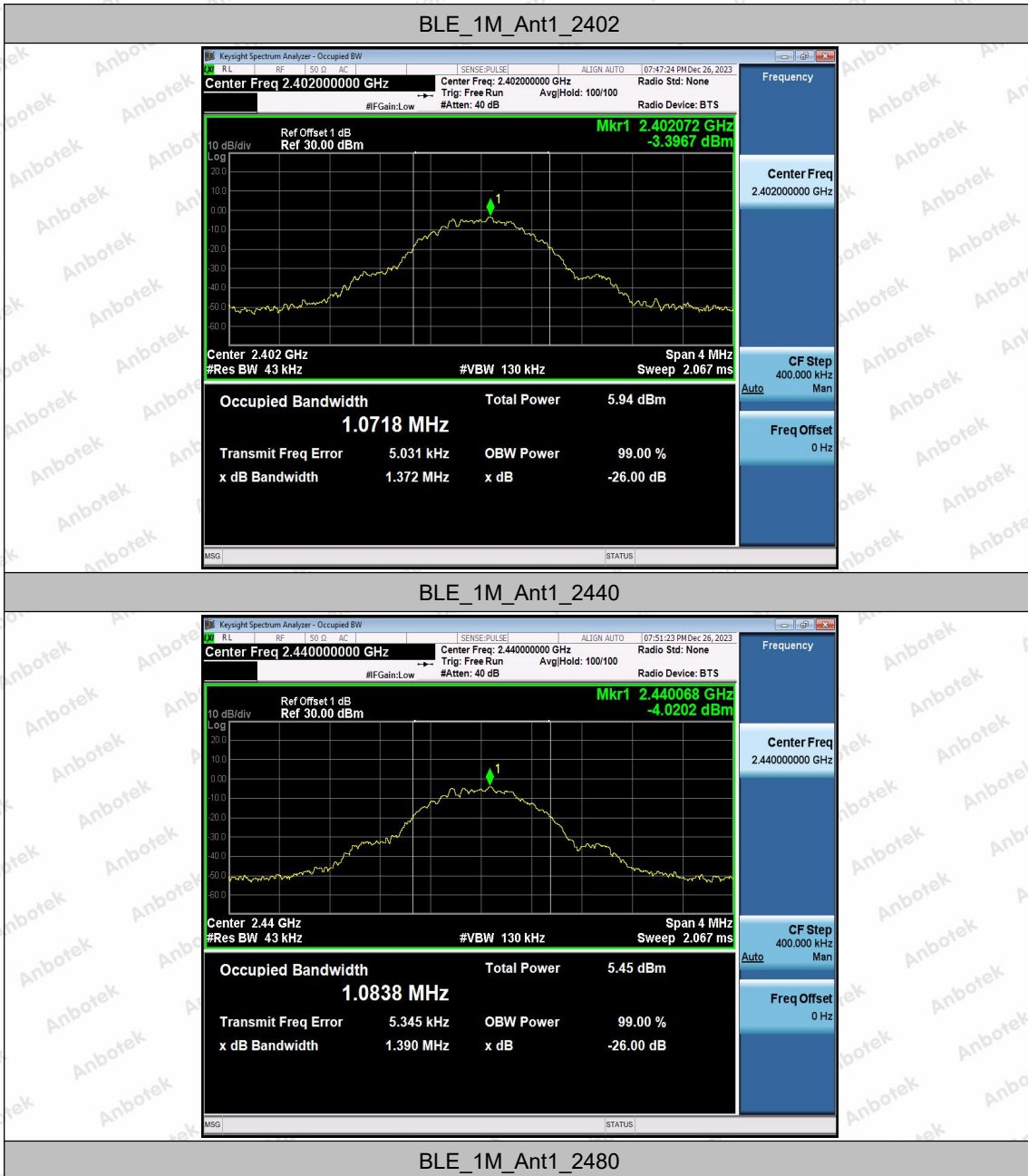
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0718	2401.4691	2402.5409
		2440	1.0838	2439.4635	2440.5473
		2480	1.1069	2479.4466	2480.5535



Test Graphs

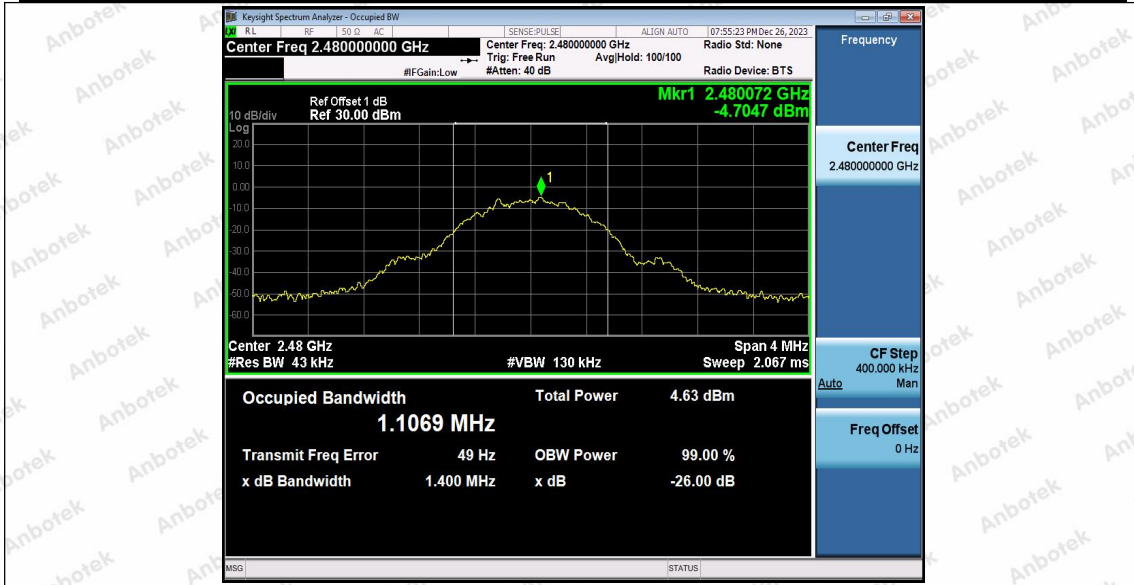


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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.57	≤30	PASS
		2440	-1.08	≤30	PASS
		2480	-1.78	≤30	PASS

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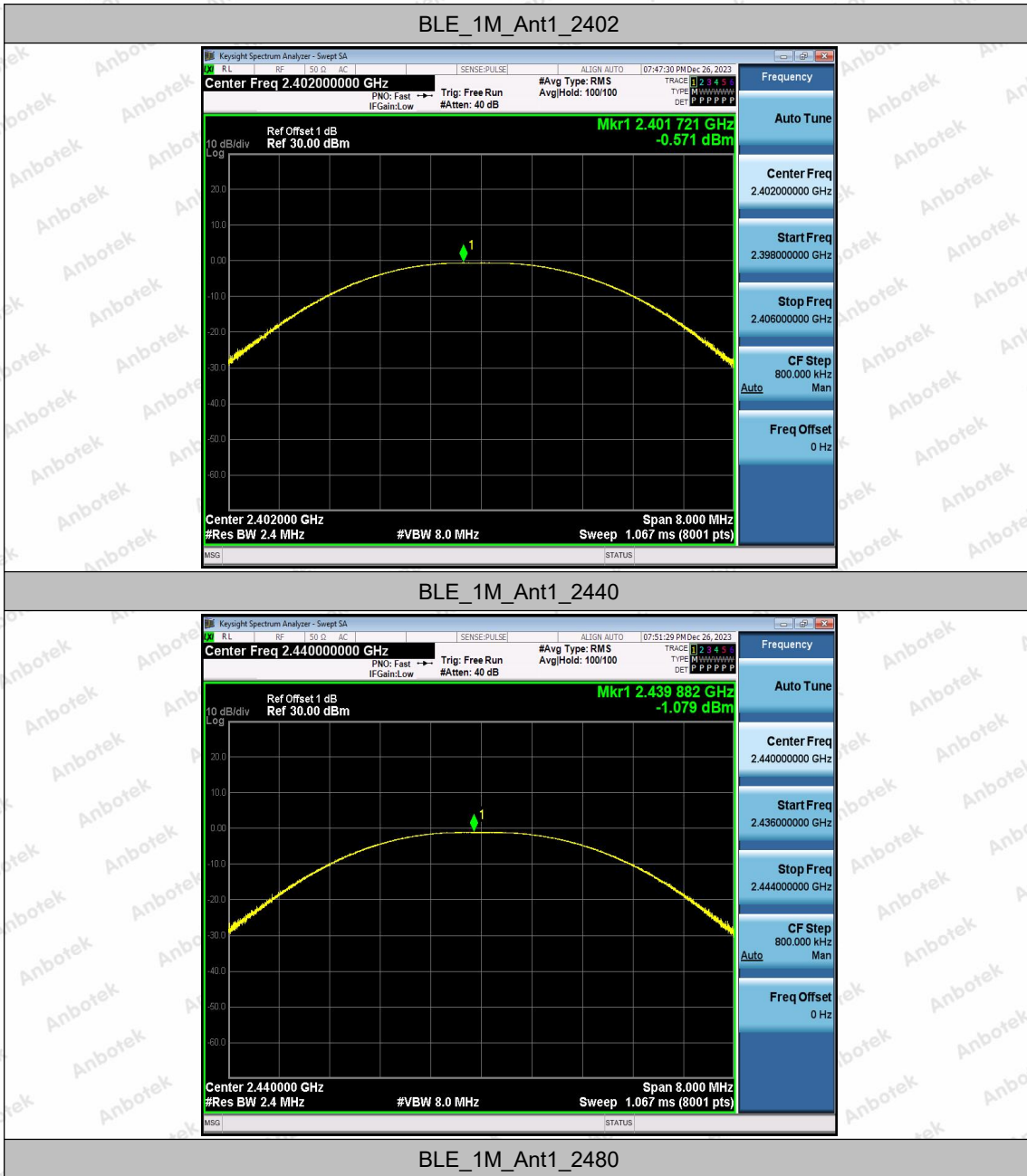
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Test Graphs Peak

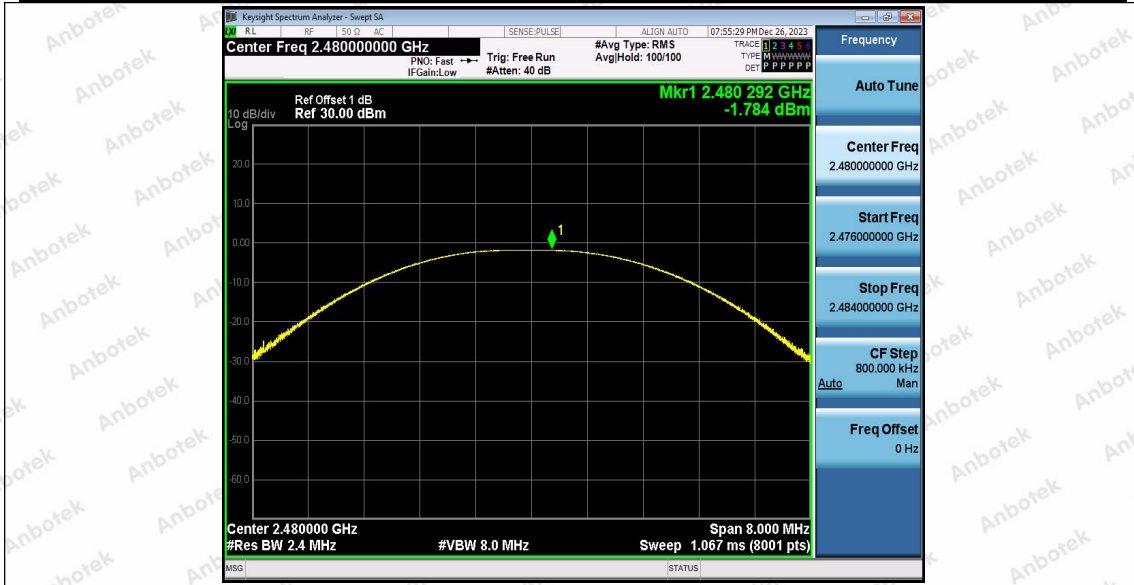


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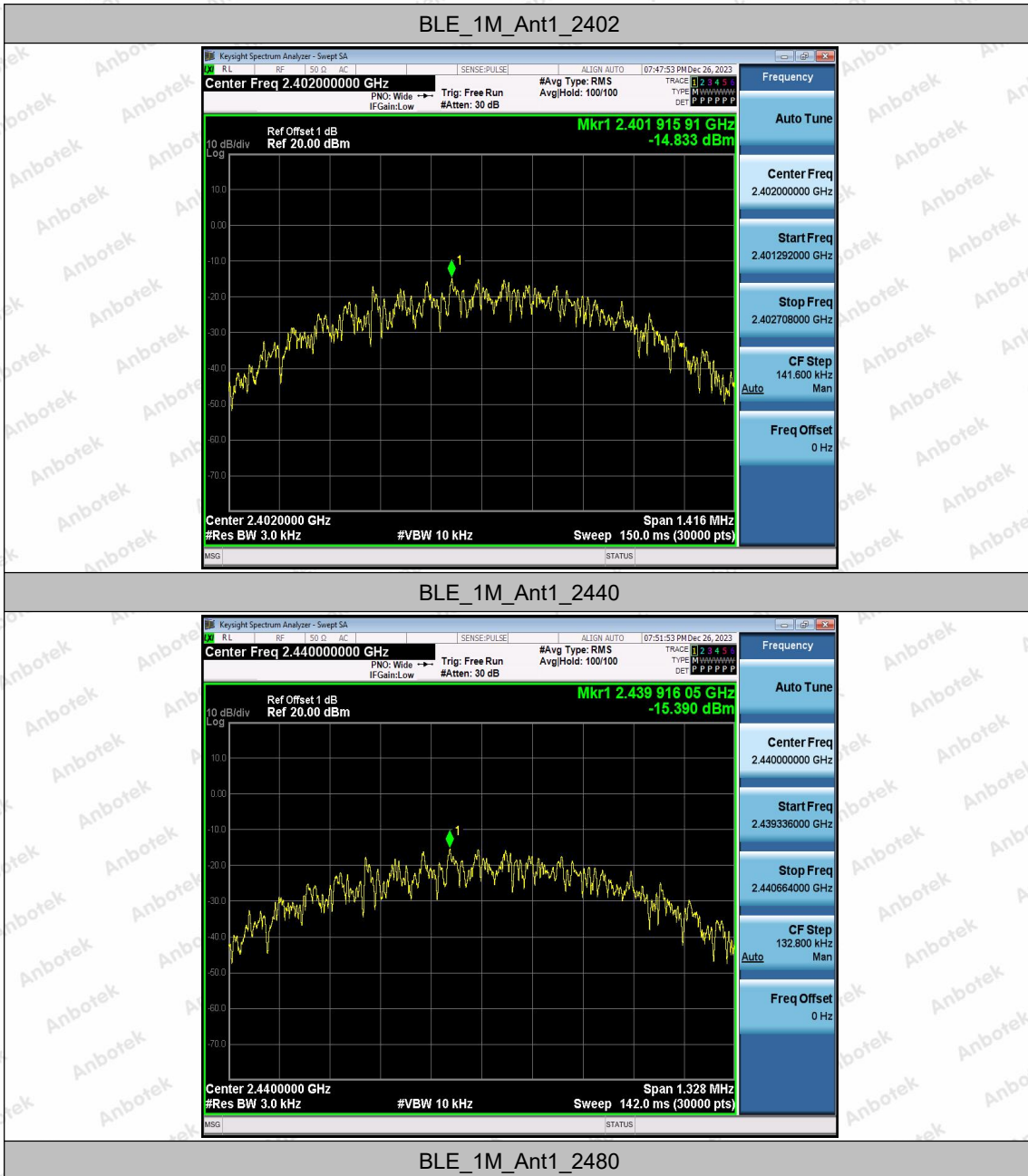
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.83	≤8.00	PASS
		2440	-15.39	≤8.00	PASS
		2480	-16.09	≤8.00	PASS



Test Graphs



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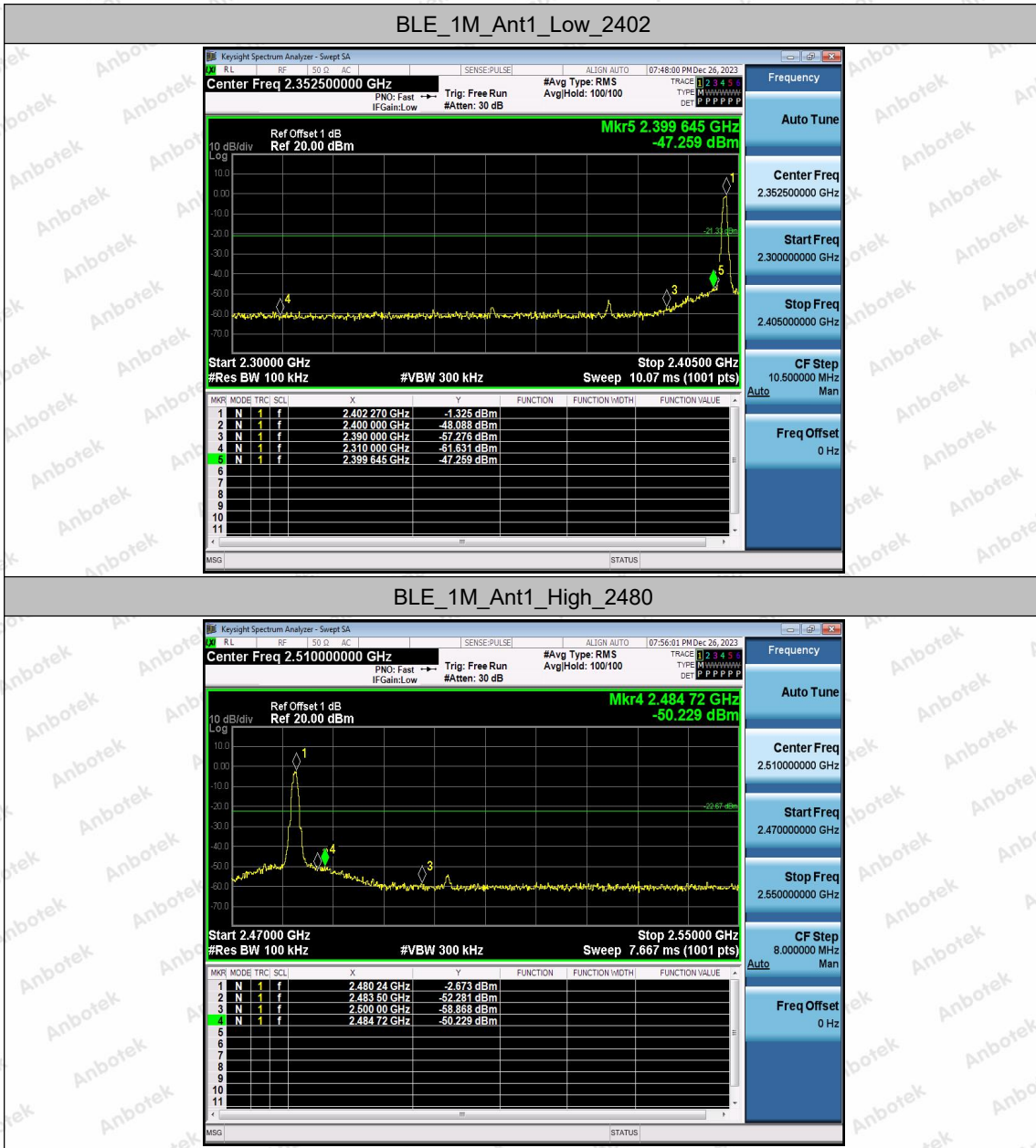
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.33	-47.26	≤-21.33	PASS
		High	2480	-2.67	-50.23	≤-22.67	PASS



Test Graphs



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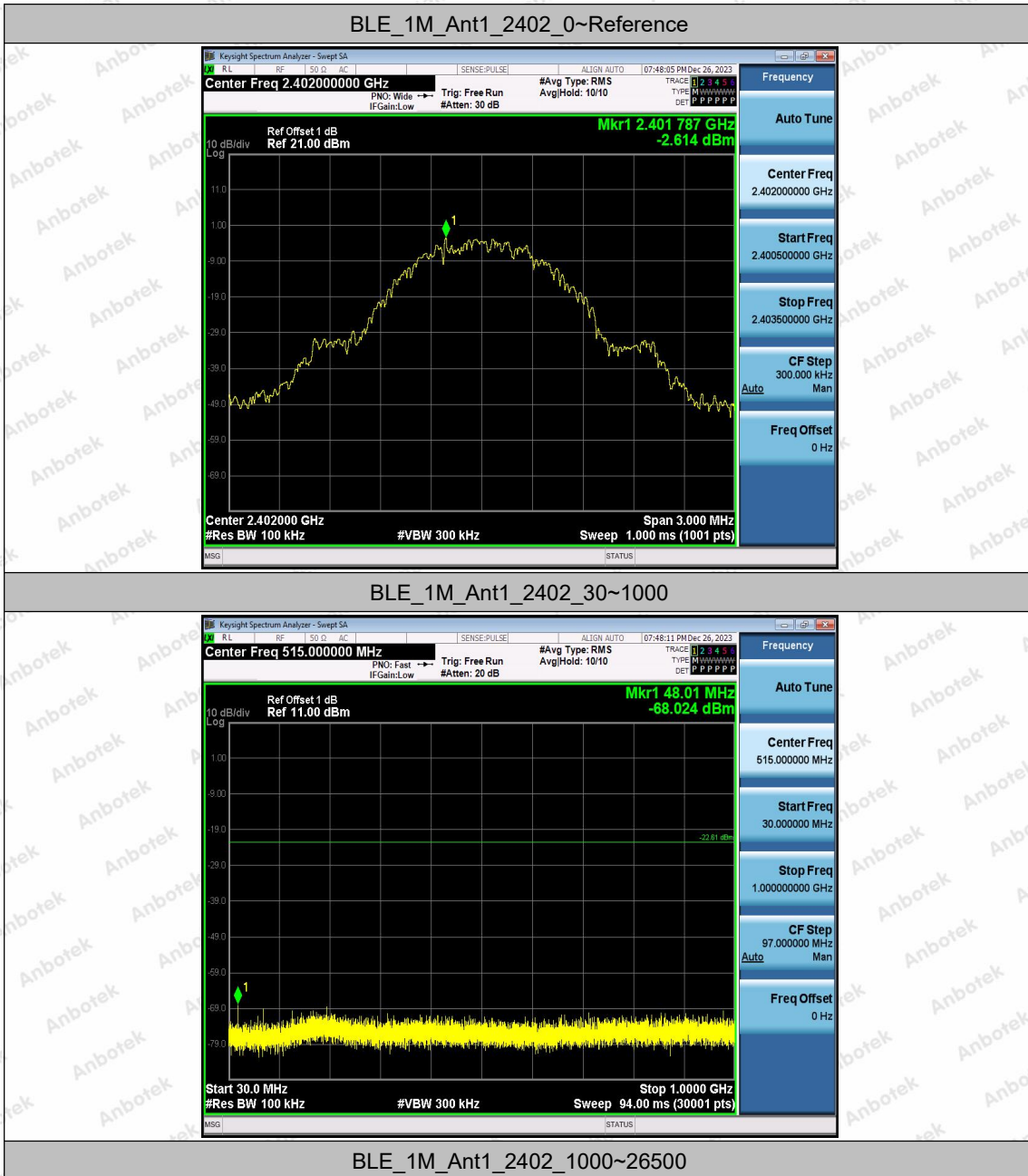
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-68.02	≤-22.61	PASS
			1000~26500	-2.61	-47.74	≤-22.61	PASS
		2440	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-66.74	≤-22.25	PASS
			1000~26500	-2.25	-47.71	≤-22.25	PASS
		2480	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-66.79	≤-23.48	PASS
			1000~26500	-3.48	-47.21	≤-23.48	PASS



Test Graphs

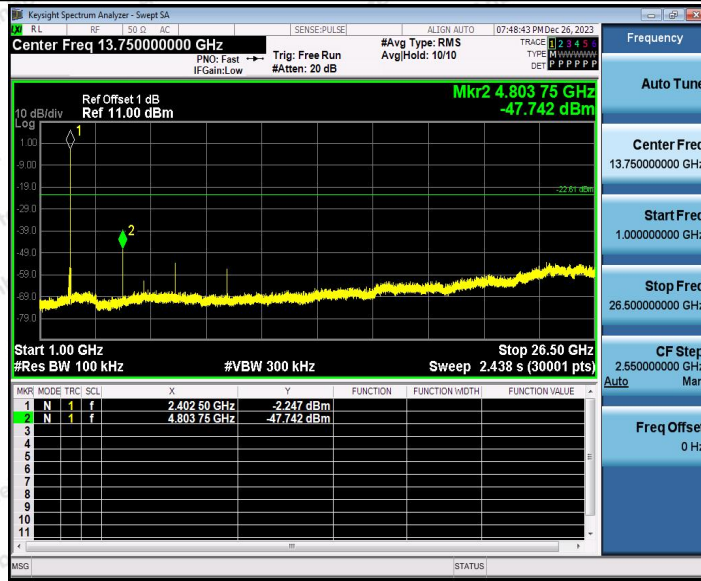


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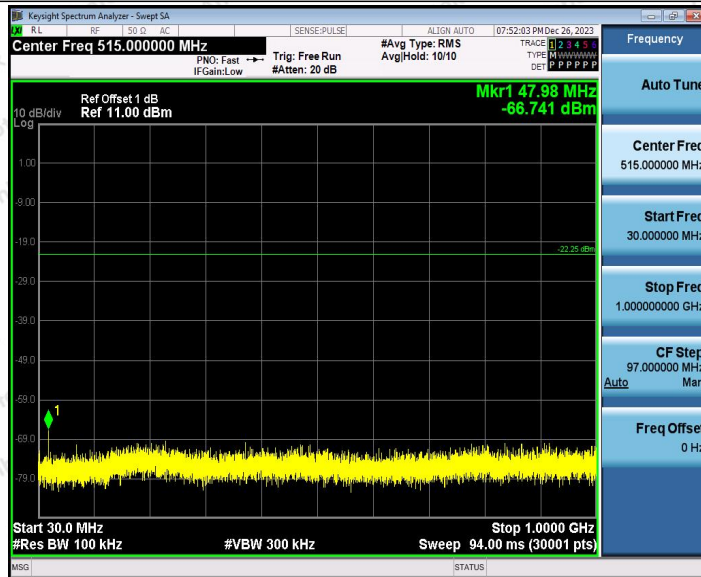




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



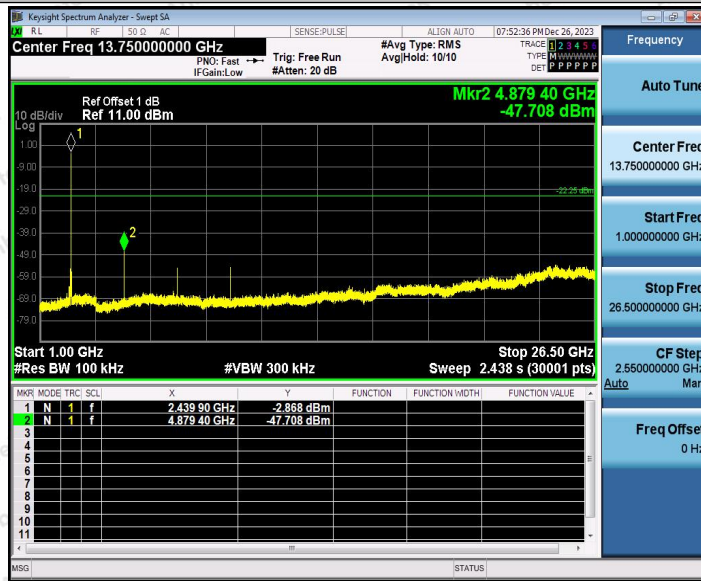
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



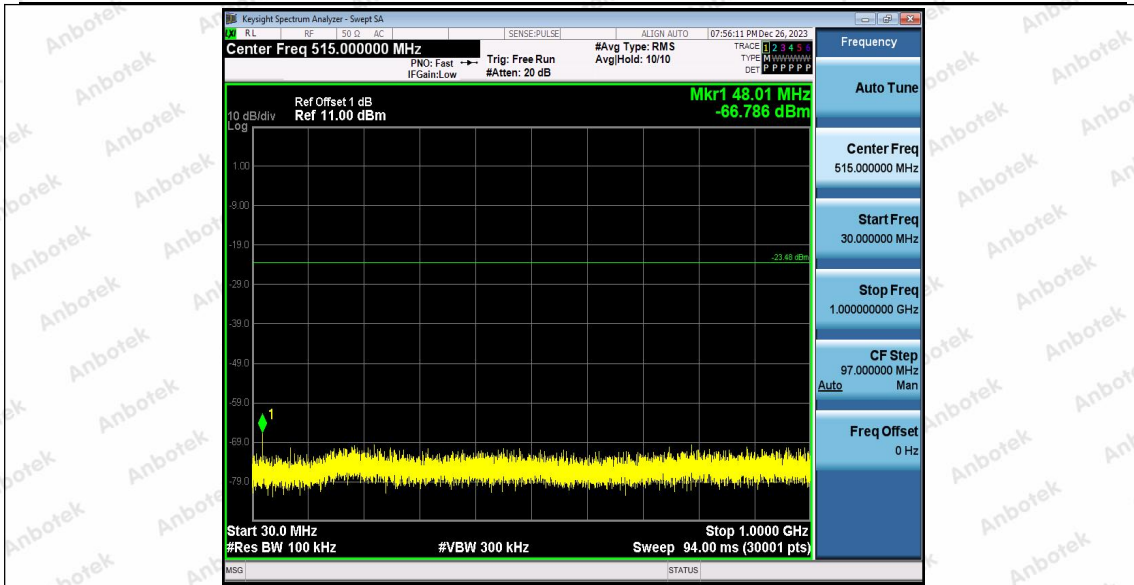
BLE_1M_Ant1_2480_30~1000

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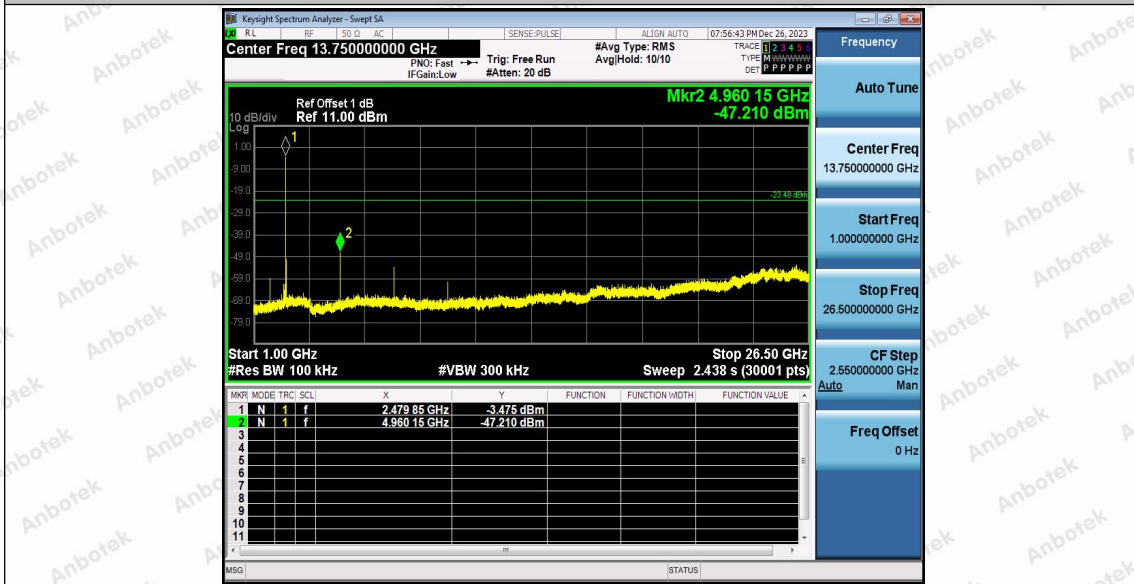
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BLE_1M_Ant1_2480_1000~26500



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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	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00

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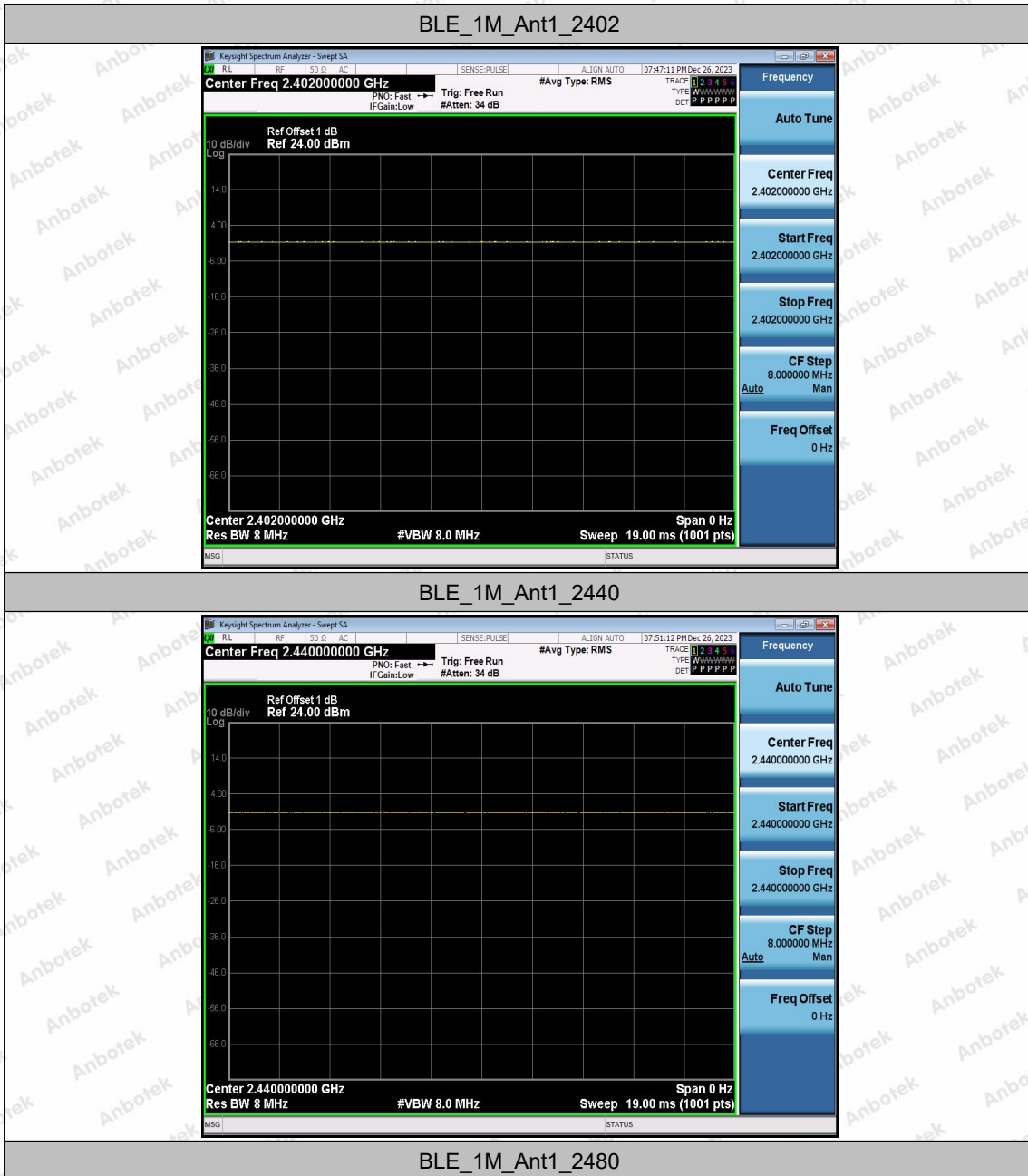
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Test Graphs

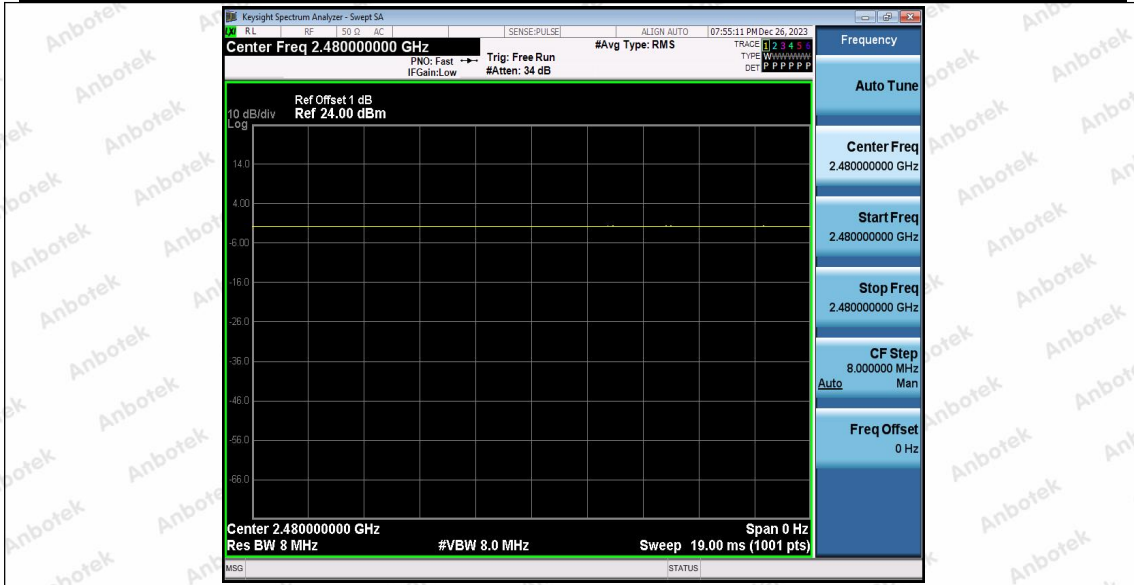


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