

Appendix Test Data

Report No.:	18220WC30271301	Test Sample No.:	1-2-2
Start Test Date:	2023.12.24	Finish Test Date:	2023.12.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.1°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	0.664	2401.676	2402.340	0.5	PASS
		2440	0.688	2439.644	2440.332	0.5	PASS
		2480	0.696	2479.648	2480.344	0.5	PASS

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Test Graphs

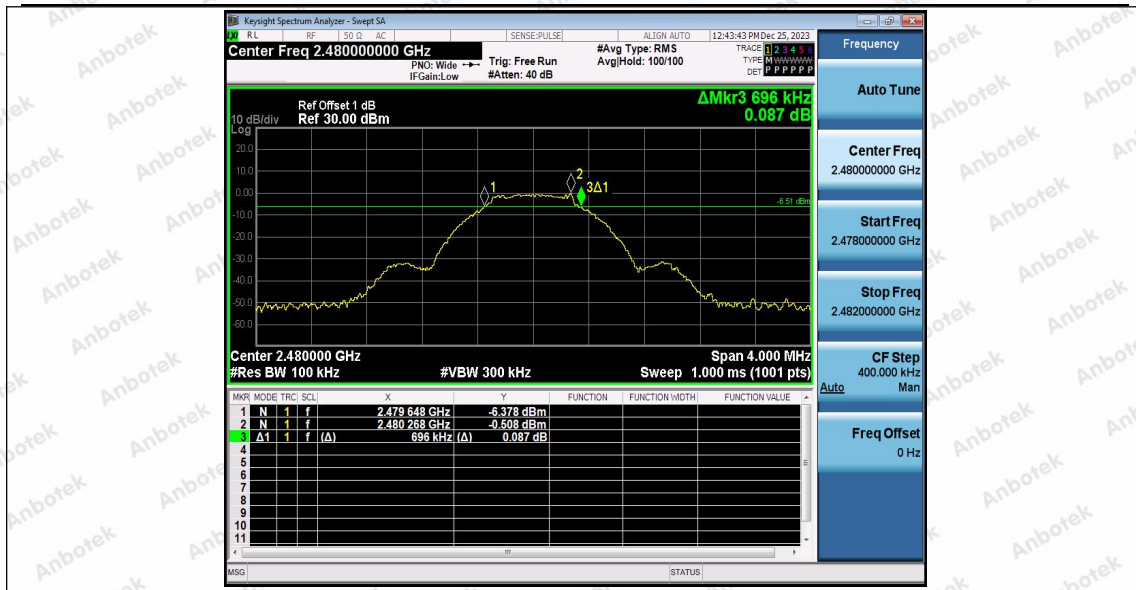


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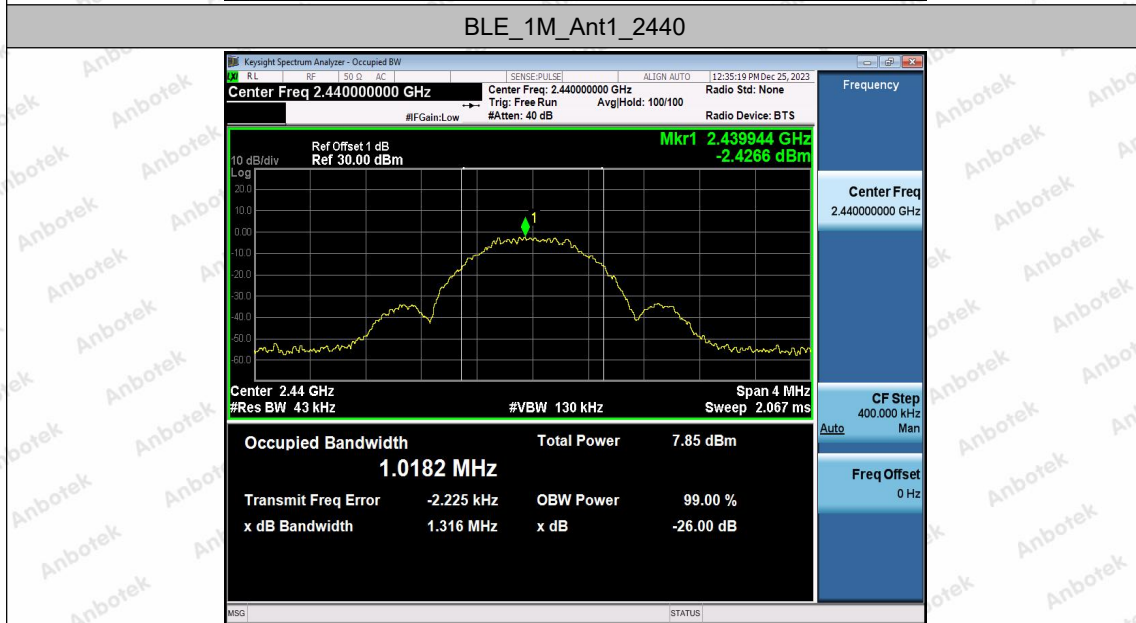
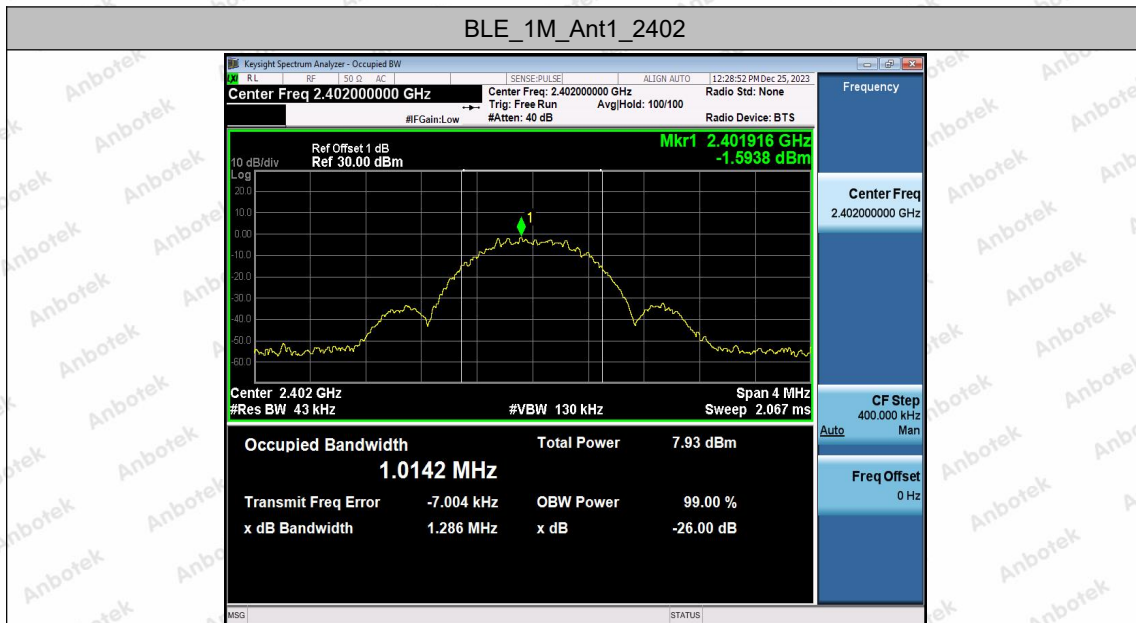


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0142	2401.4859	2402.5001
		2440	1.0182	2439.4887	2440.5069
		2480	1.0329	2479.4807	2480.5136

Test Graphs



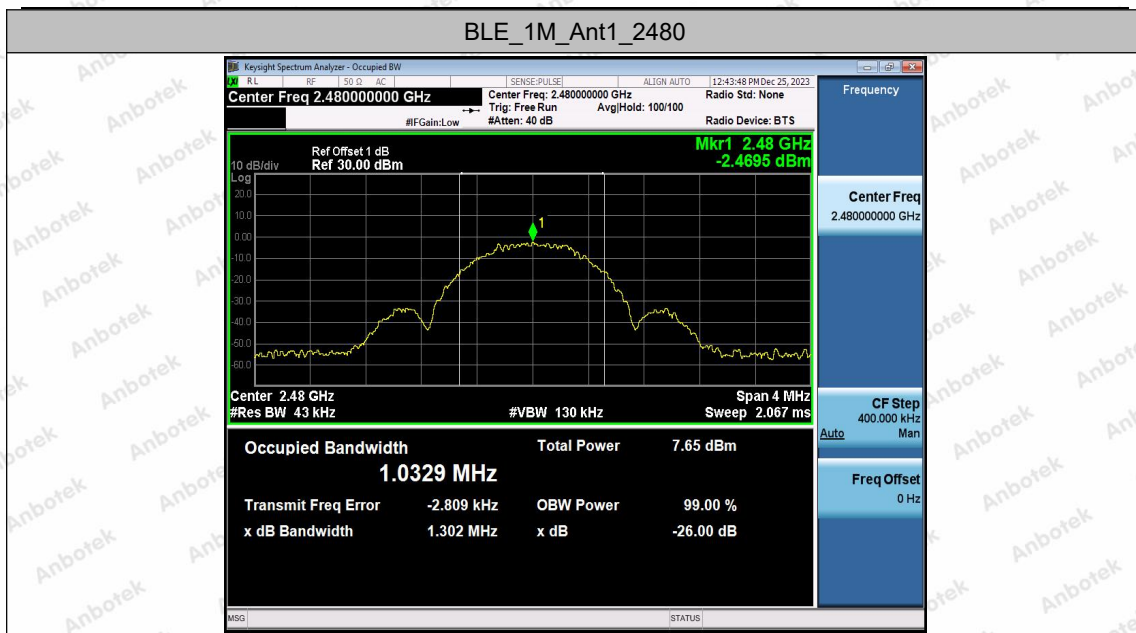
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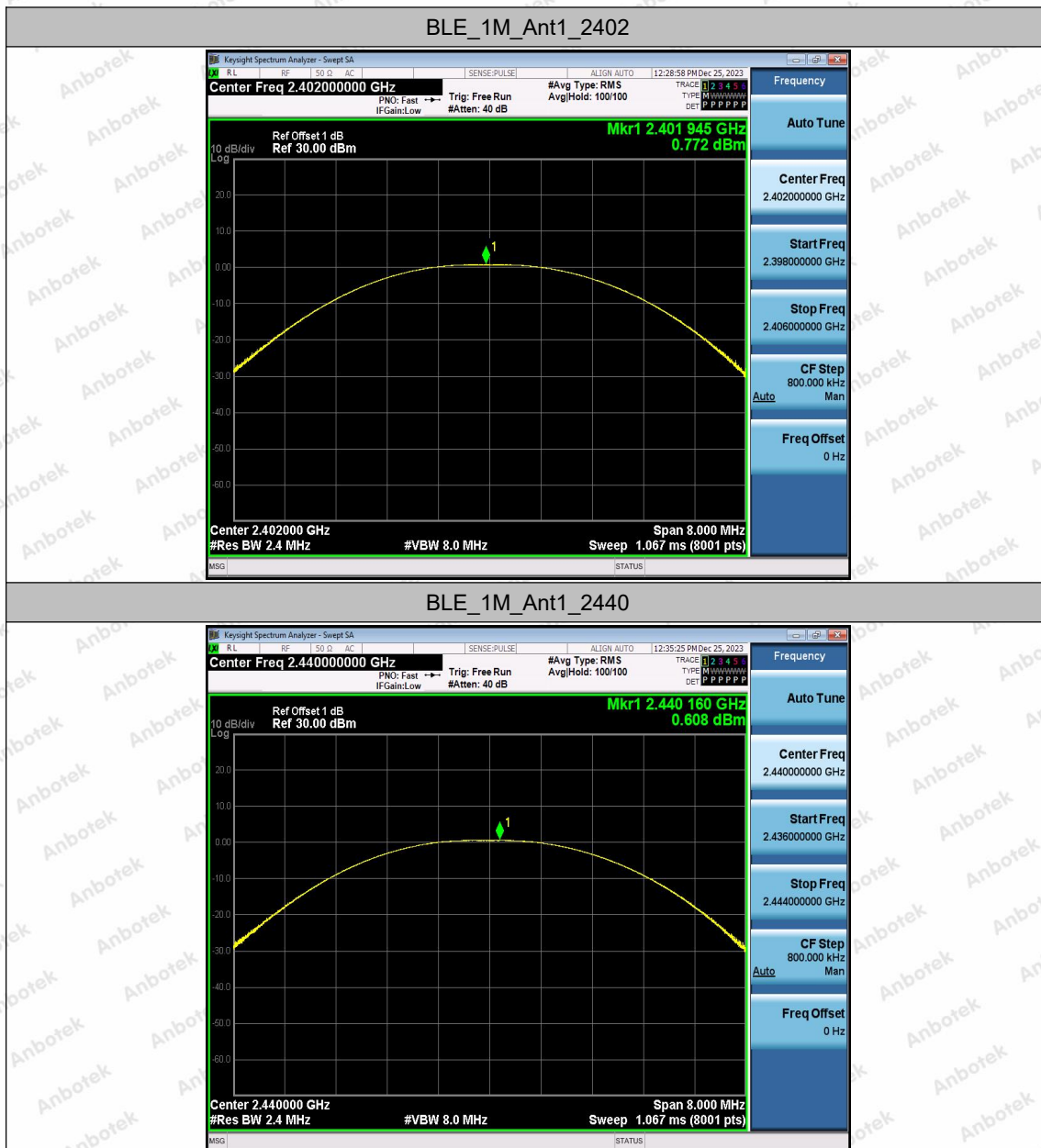


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.77	≤30	PASS
		2440	0.61	≤30	PASS
		2480	0.53	≤30	PASS

Test Graphs Peak



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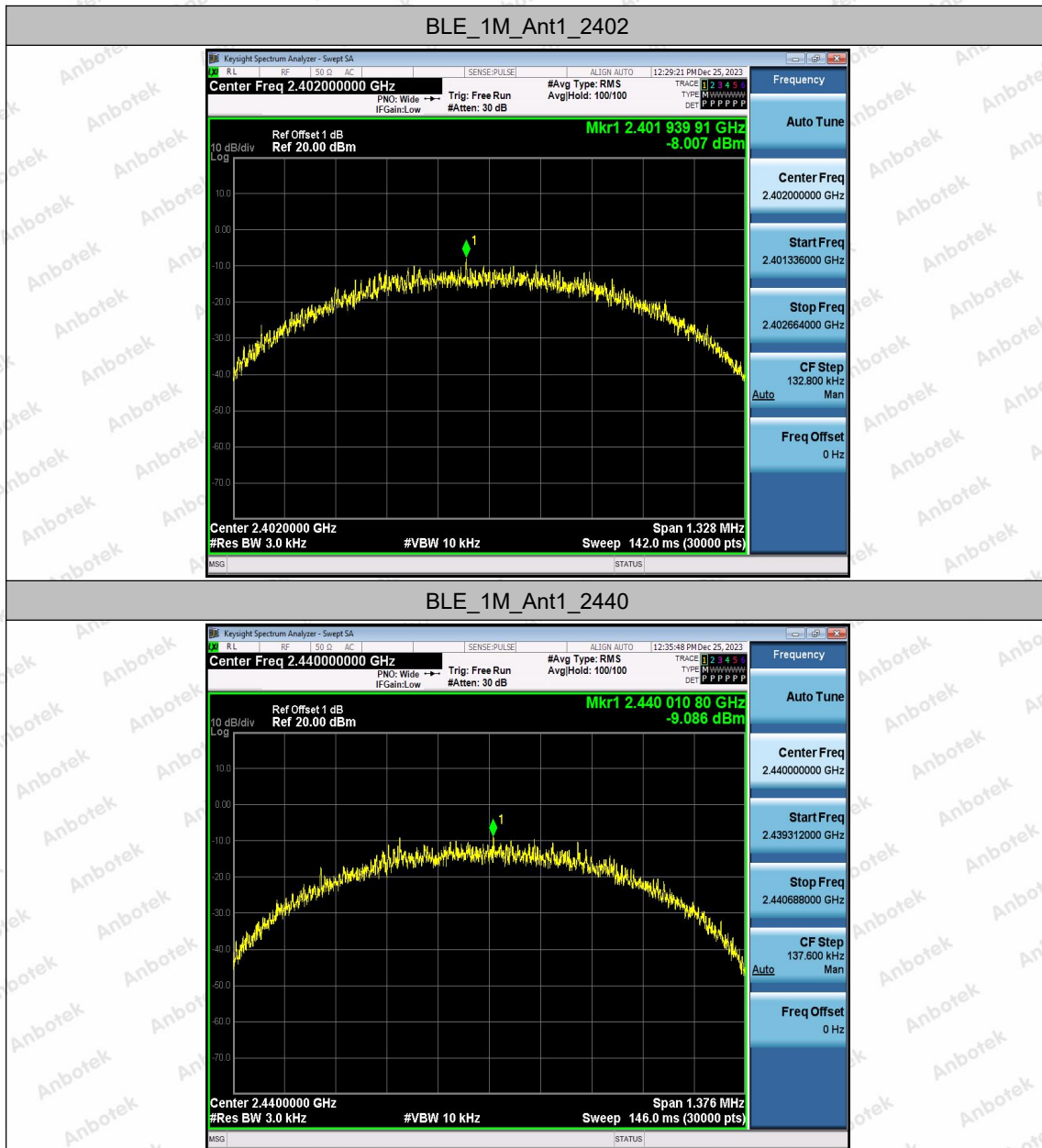


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.01	≤8.00	PASS
		2440	-9.09	≤8.00	PASS
		2480	-9.79	≤8.00	PASS

Test Graphs



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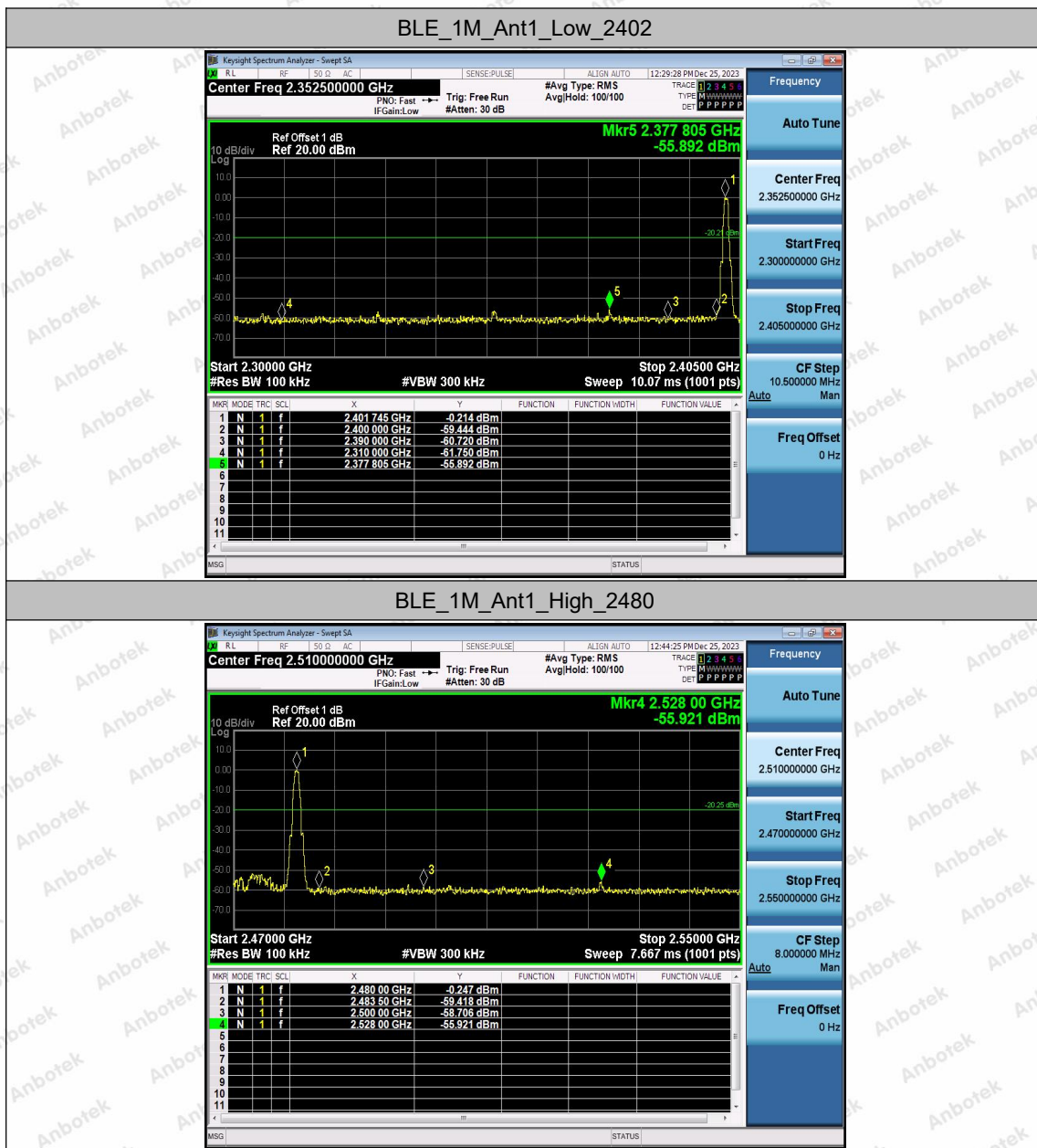


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-0.21	-55.89	≤-20.21	PASS
		High	2480	-0.25	-55.92	≤-20.25	PASS

Test Graphs



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	-0.83	-0.83	---	PASS
			30~1000	-0.83	-56.98	≤-20.83	PASS
			1000~26500	-0.83	-34.79	≤-20.83	PASS
		2440	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-56.61	≤-20.79	PASS
			1000~26500	-0.79	-32.03	≤-20.79	PASS
		2480	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-57.16	≤-21.47	PASS
			1000~26500	-1.47	-33.87	≤-21.47	PASS

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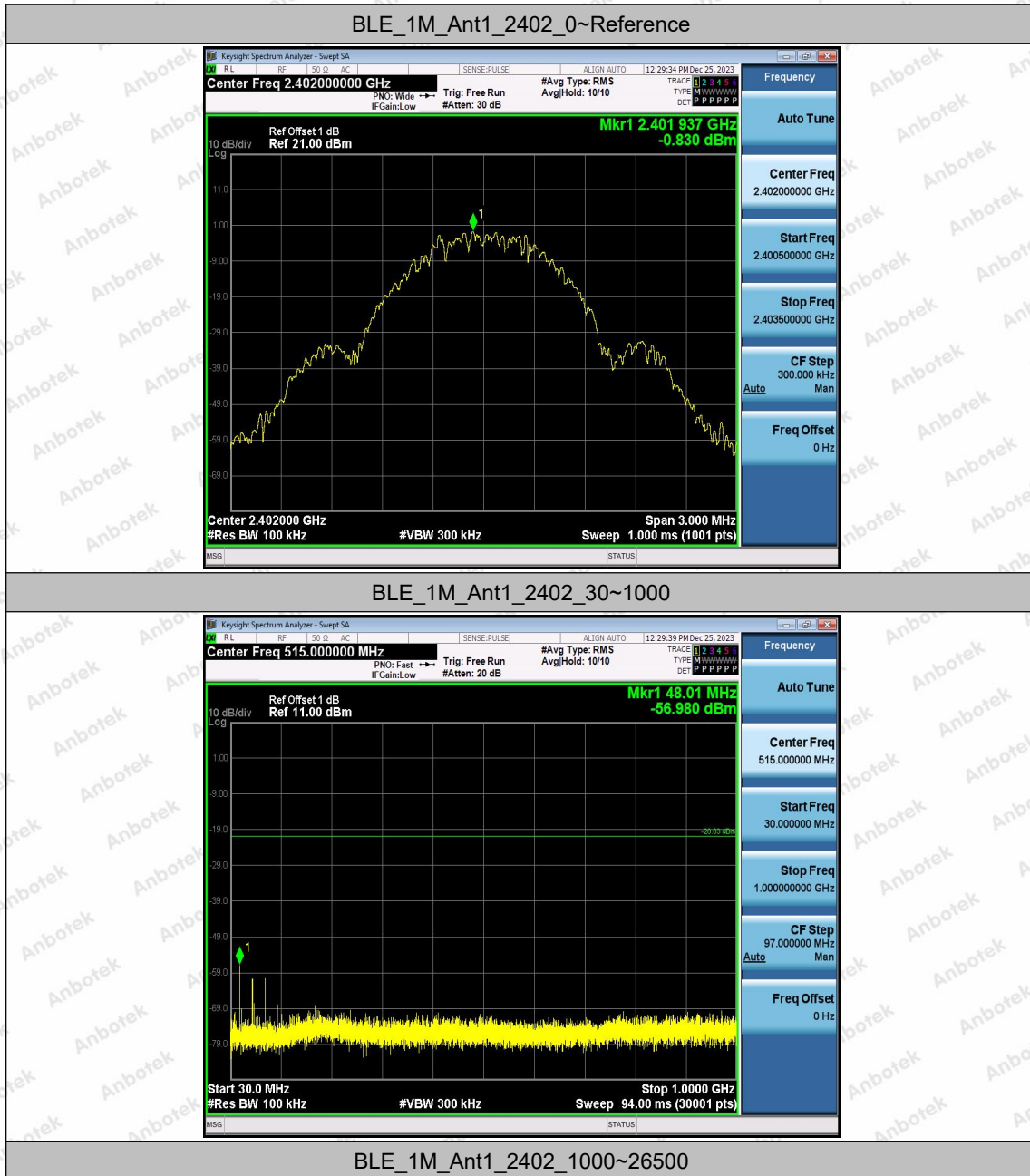
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Test Graphs

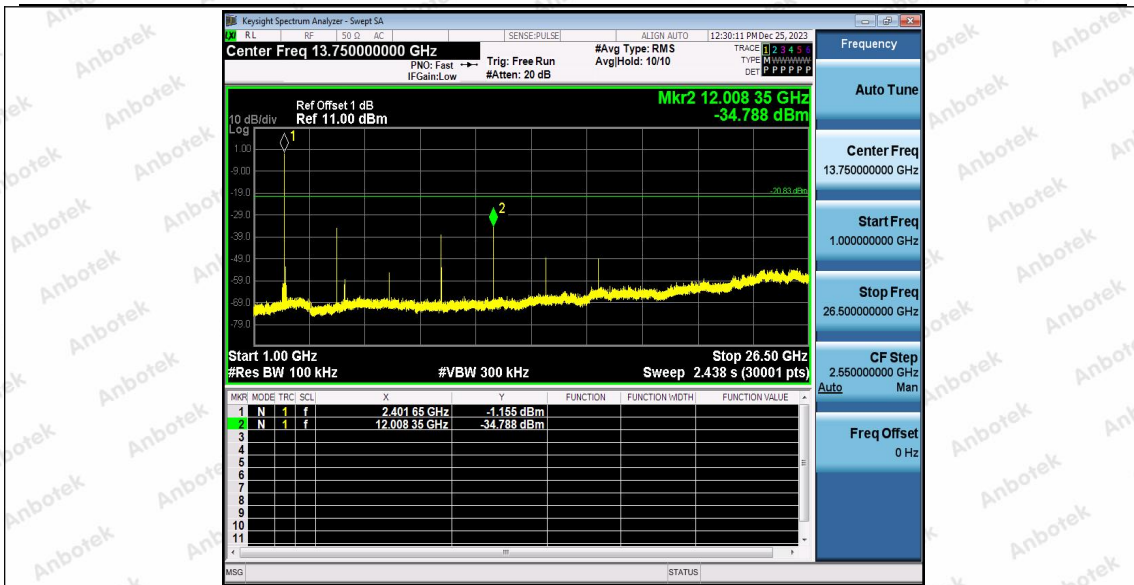


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BLE_1M_Ant1_2440_0~Reference



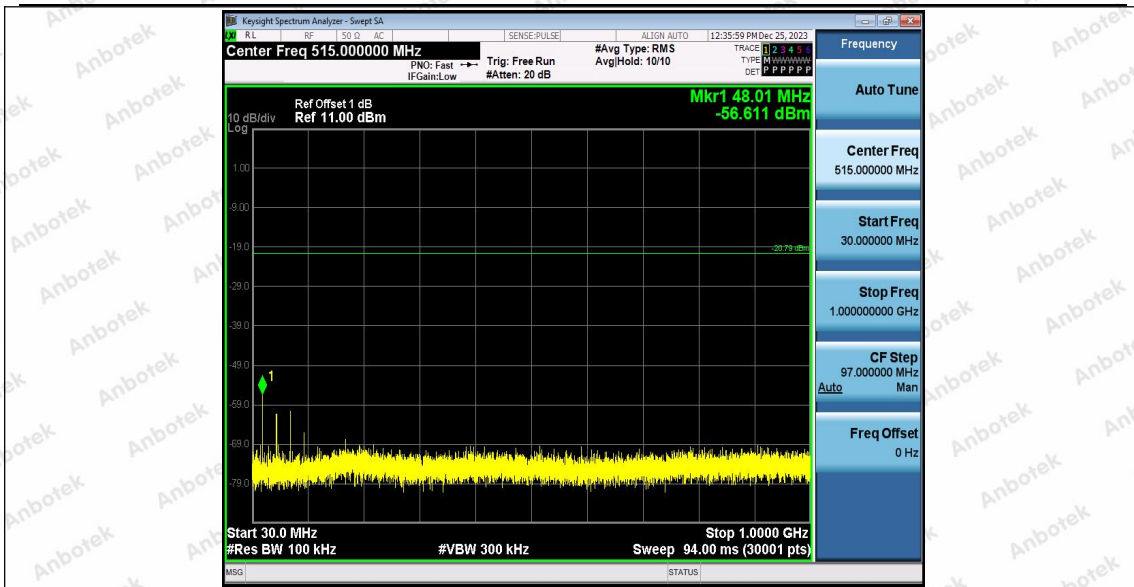
BLE_1M_Ant1_2440_30~1000

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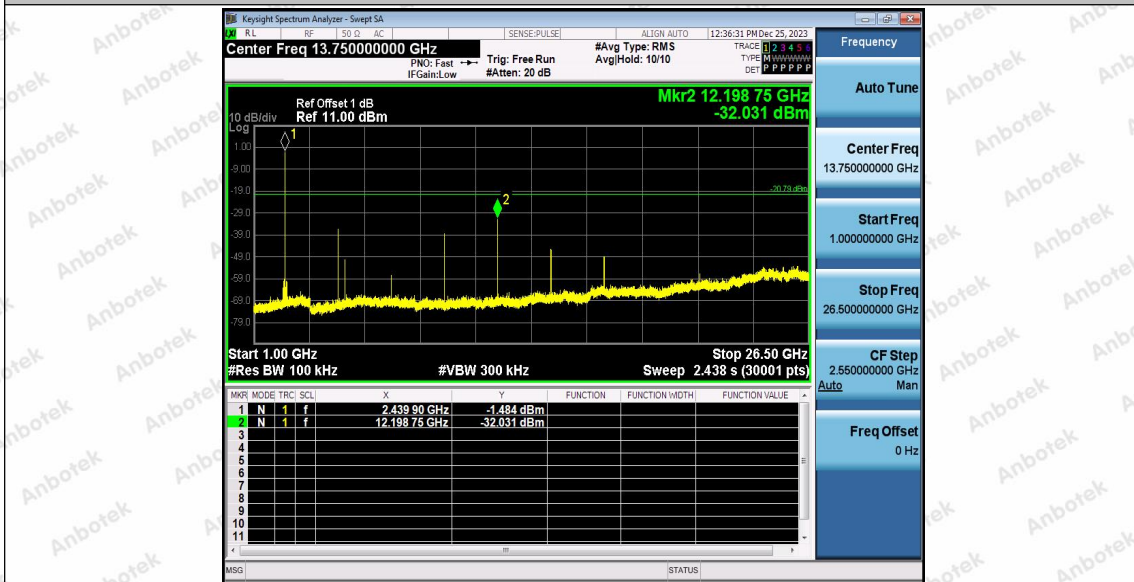
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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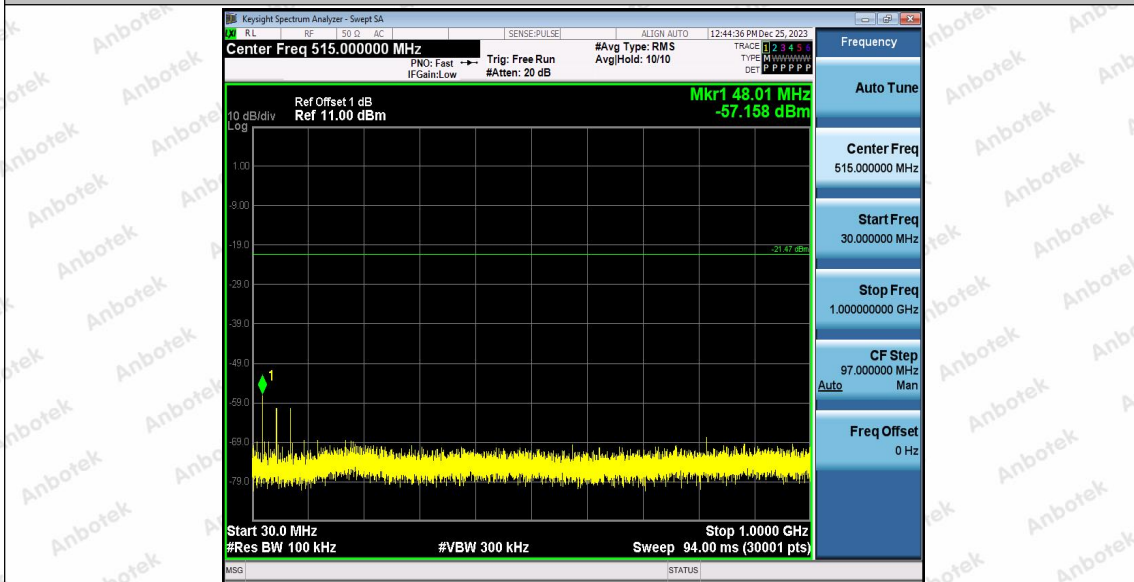
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BLE_1M_Ant1_2480_30~1000



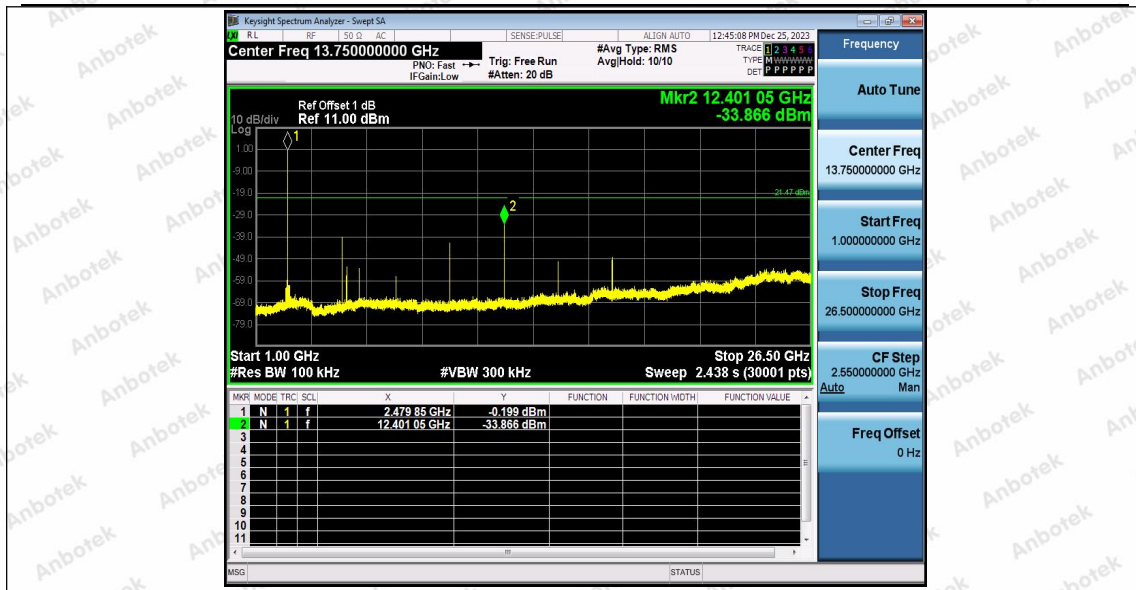
BLE_1M_Ant1_2480_1000~26500

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

Test Graphs

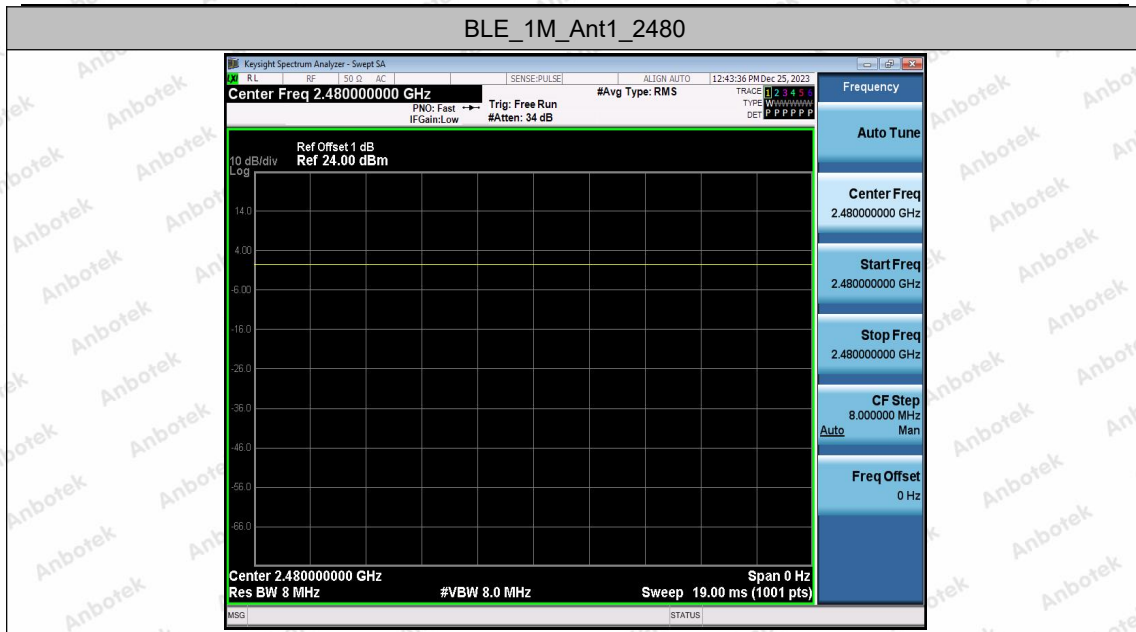


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