

Appendix Test Data

Report No.:	18360WC30002801	Test Sample No.:	1-2-2
Start Test Date:	2023.03.01	Finish Test Date:	2023.03.06
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.8°C	Relative Humidity:	38%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

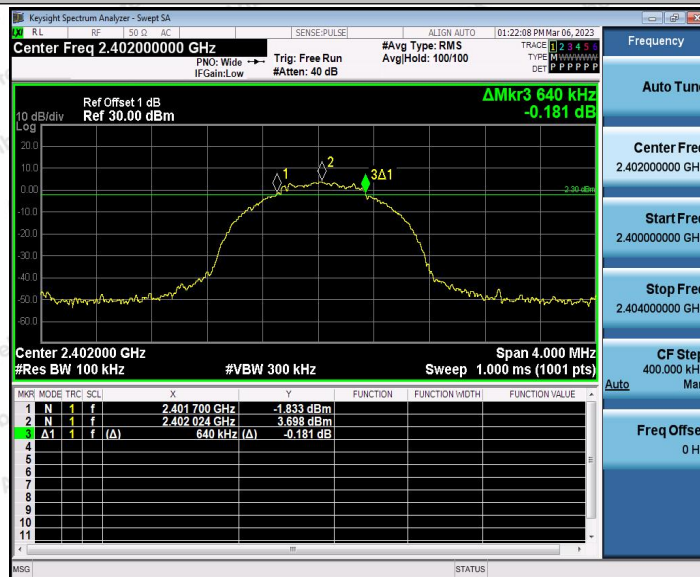
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.700	2402.340	0.5	PASS
		2440	0.616	2439.712	2440.328	0.5	PASS
		2480	0.620	2479.716	2480.336	0.5	PASS

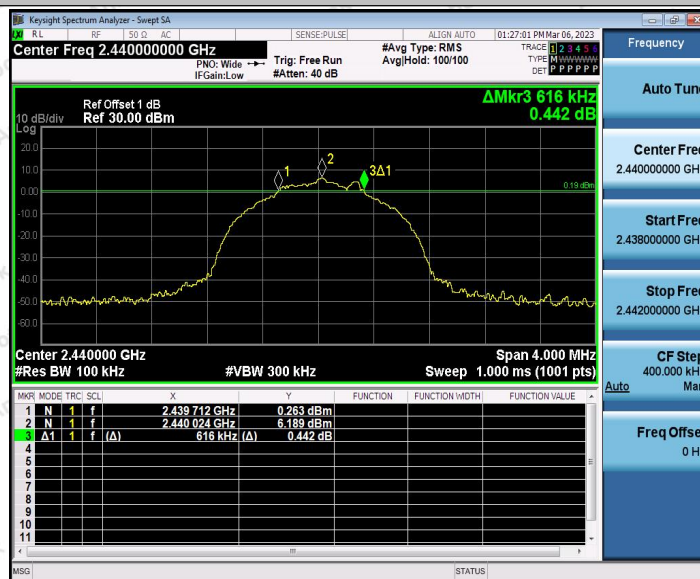


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

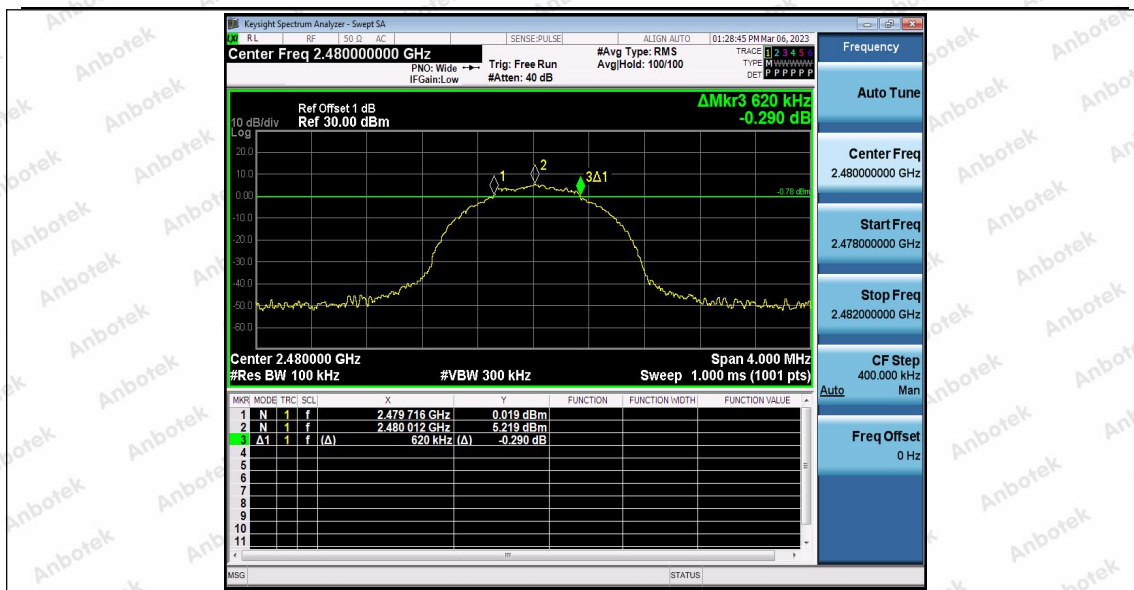
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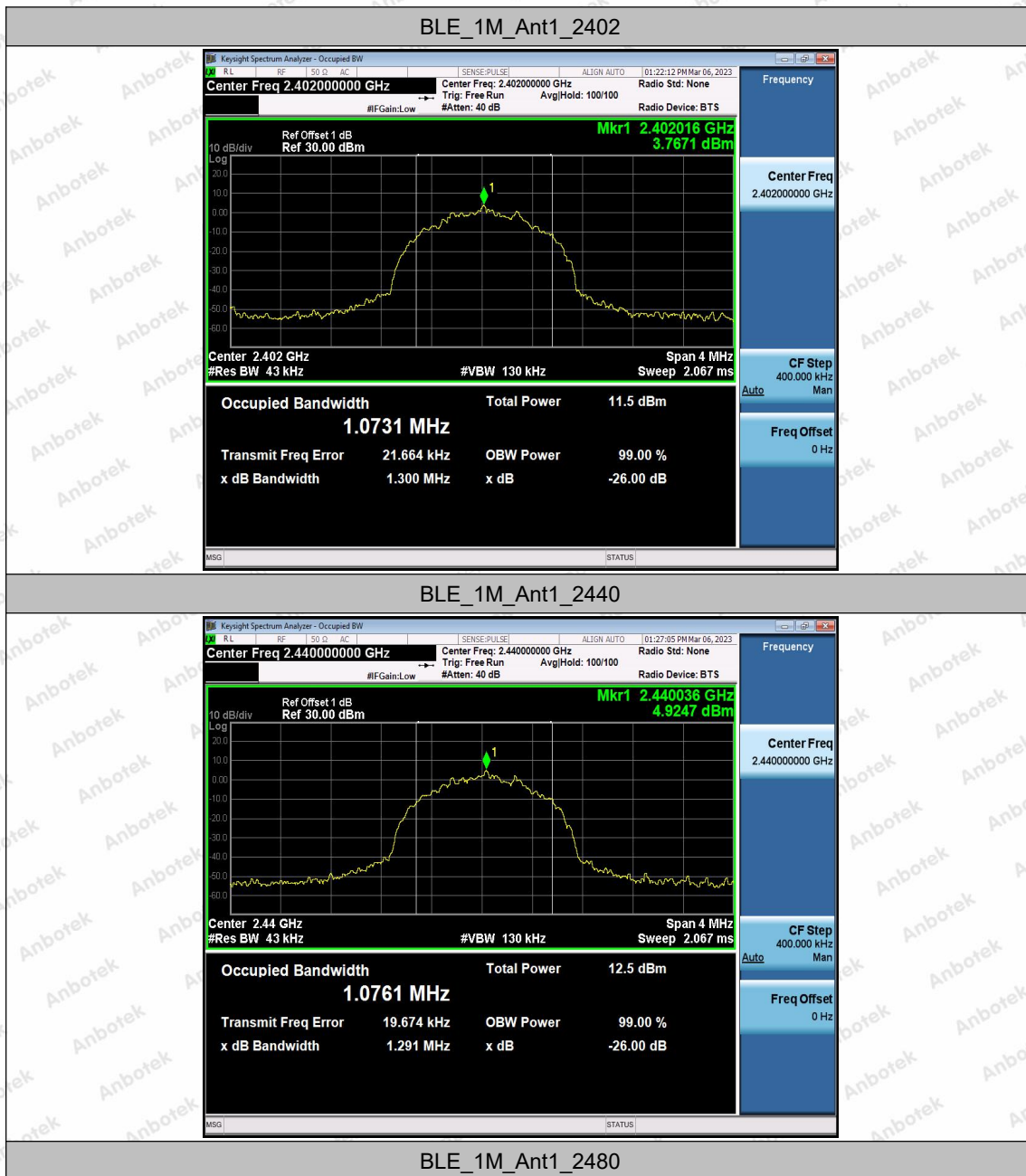
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0731	2401.4851	2402.5582
		2440	1.0761	2439.4816	2440.5577
		2480	1.0763	2479.4786	2480.5549



Test Graphs



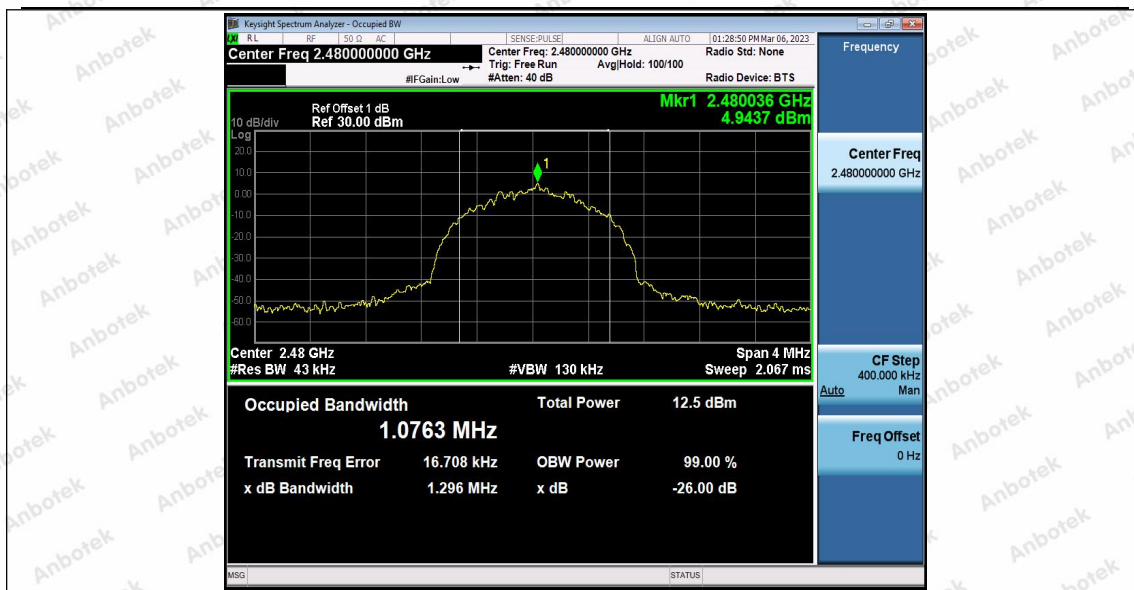
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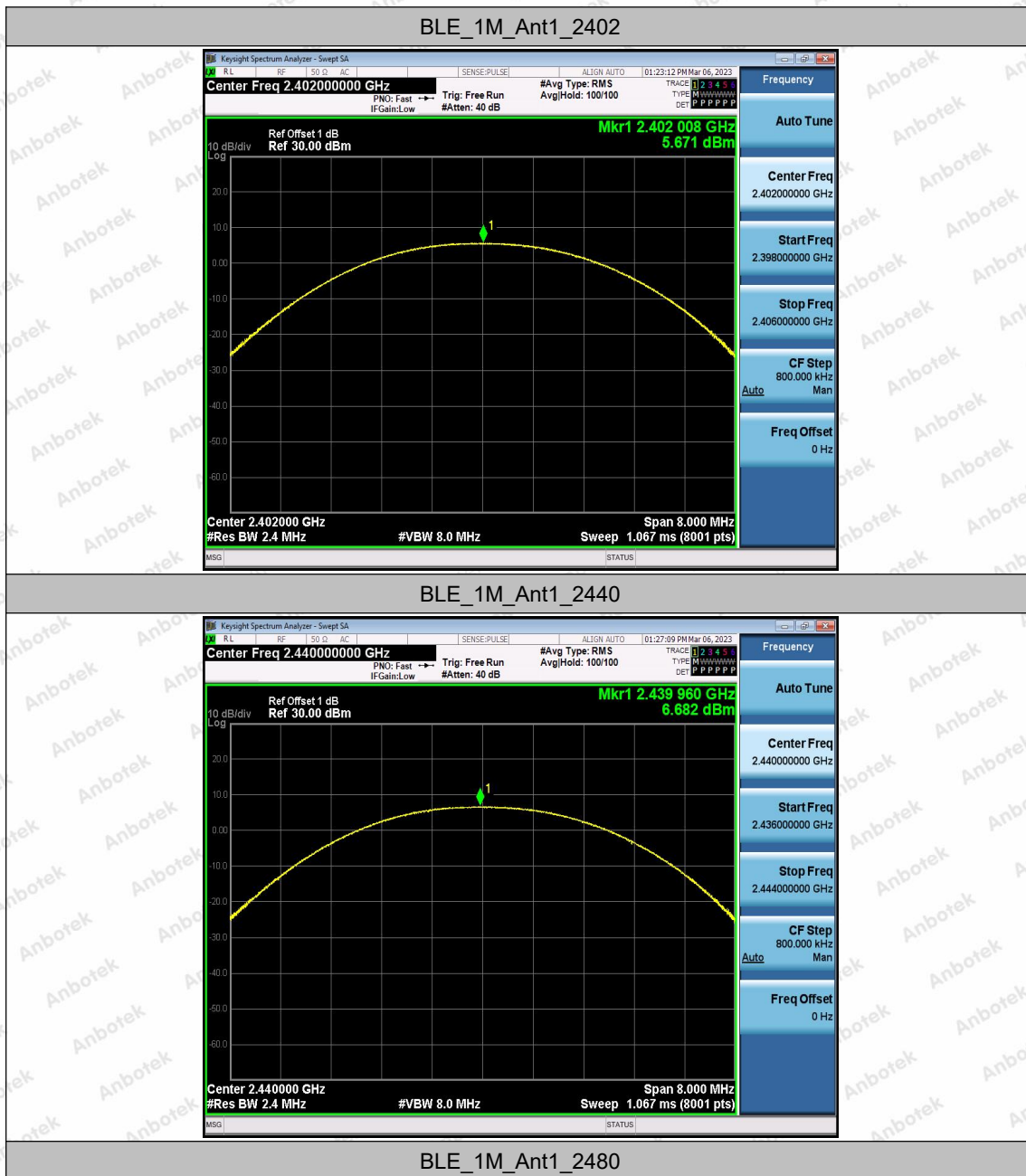
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.67	≤30	PASS
		2440	6.68	≤30	PASS
		2480	6.83	≤30	PASS



Test Graphs Peak



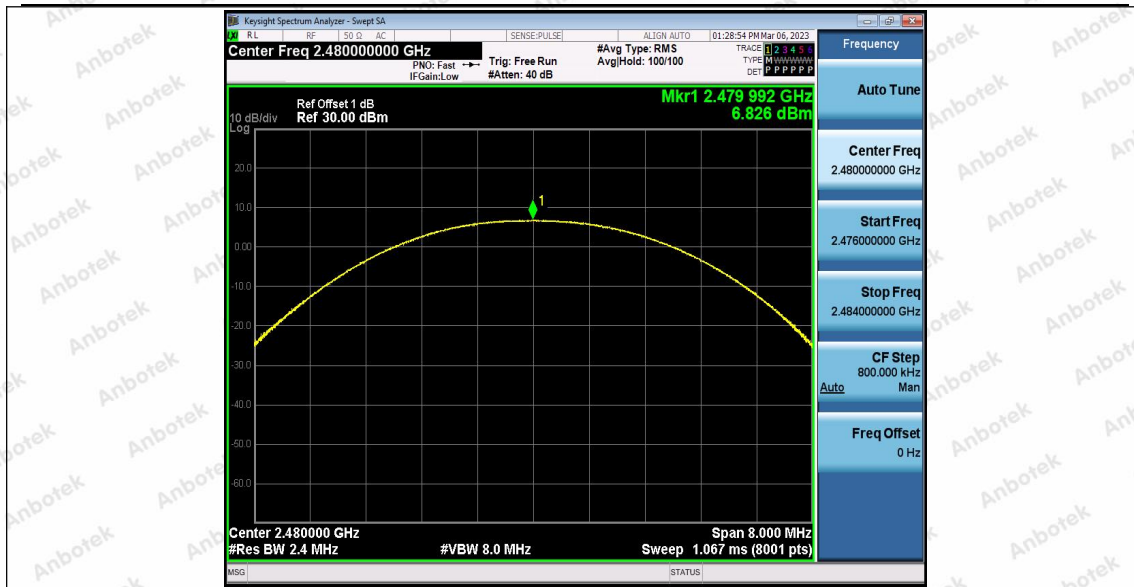
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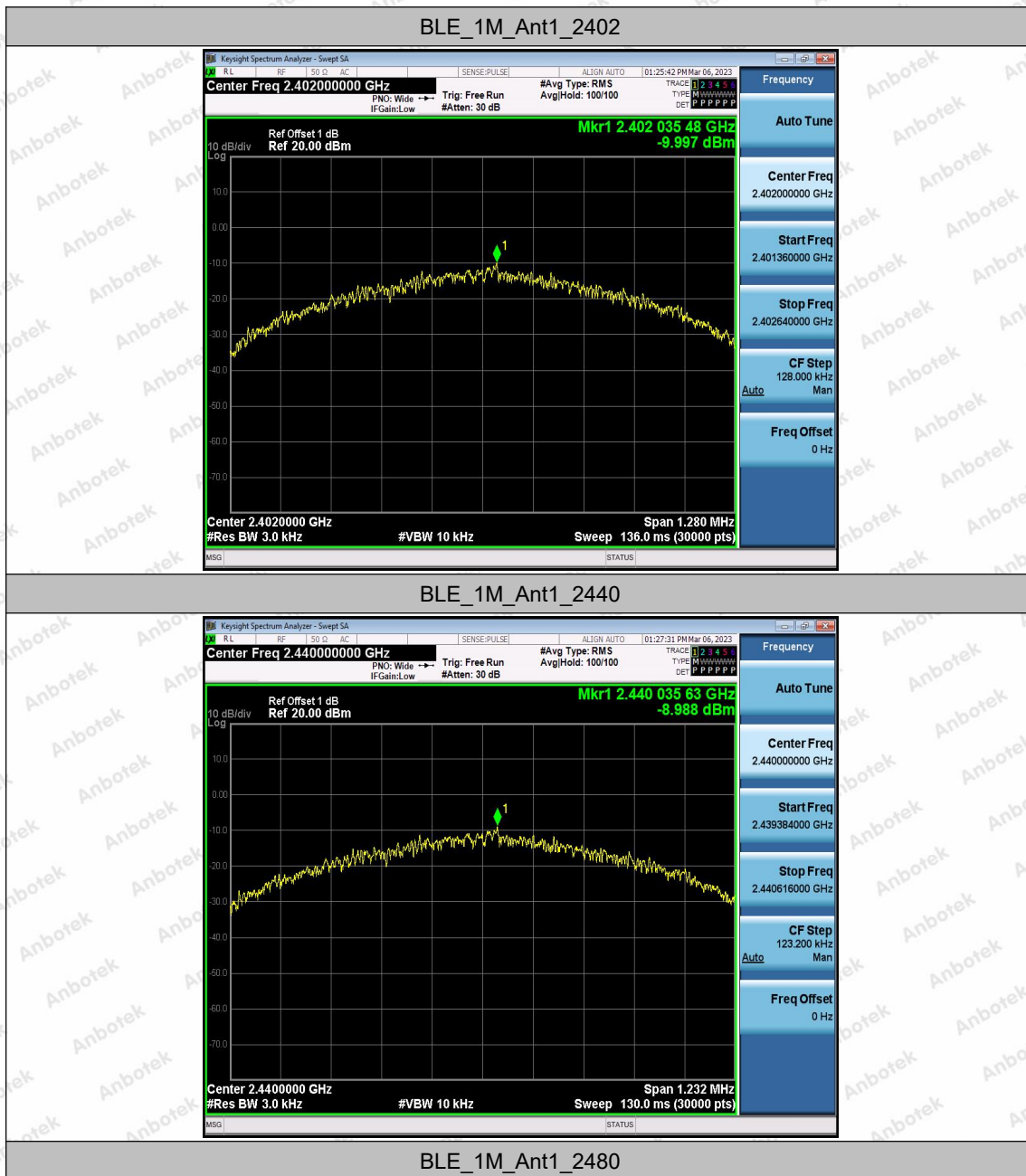
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10	≤8.00	PASS
		2440	-8.99	≤8.00	PASS
		2480	-8.77	≤8.00	PASS



Test Graphs



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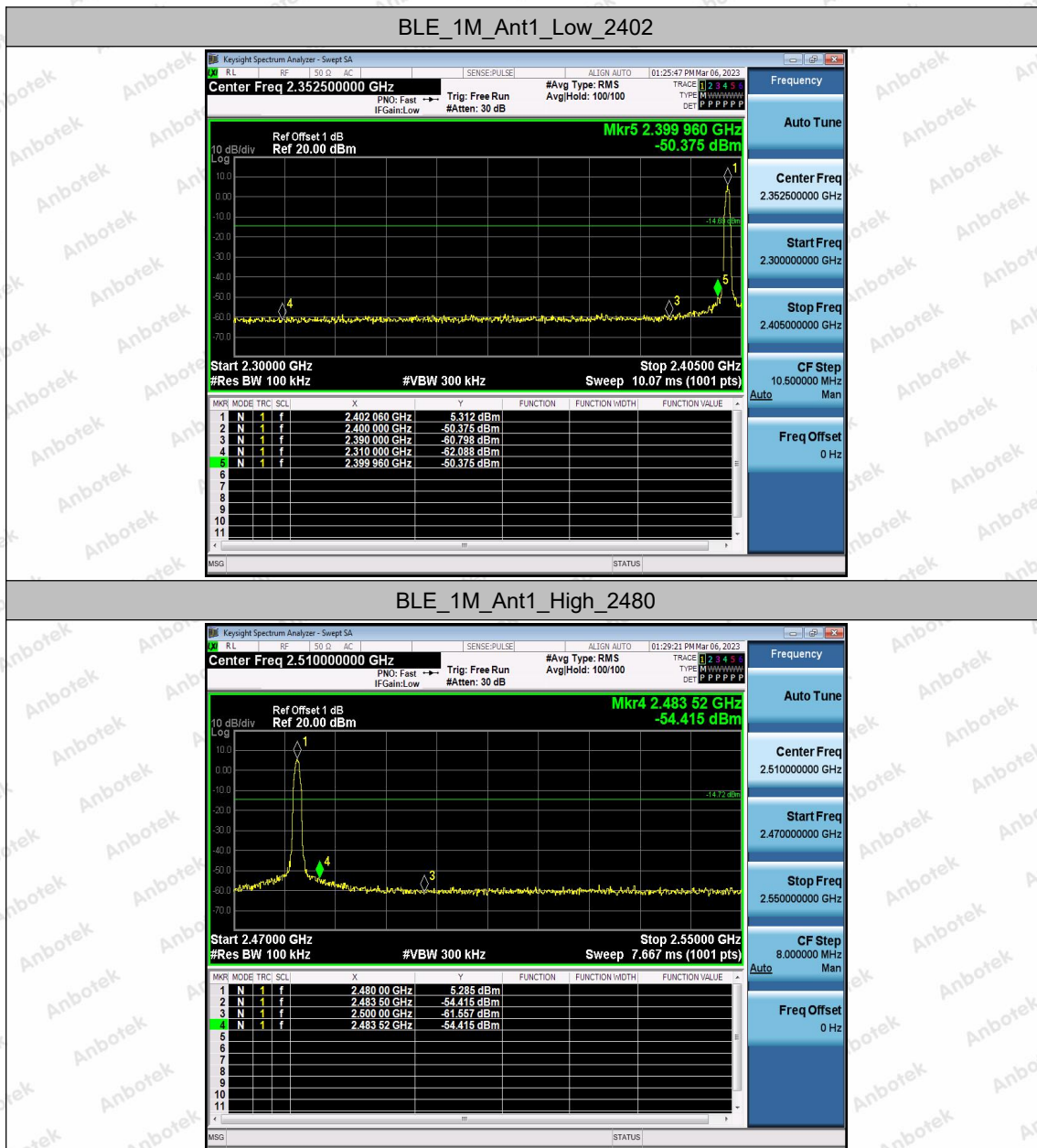
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.31	-50.38	≤-14.69	PASS
		High	2480	5.29	-54.42	≤-14.72	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	3.44	3.44	---	PASS
			30~1000	3.44	-67.90	≤-16.56	PASS
			1000~26500	3.44	-53.83	≤-16.56	PASS
		2440	Reference	4.61	4.61	---	PASS
			30~1000	4.61	-69.11	≤-15.39	PASS
			1000~26500	4.61	-52.55	≤-15.39	PASS
		2480	Reference	4.24	4.24	---	PASS
			30~1000	4.24	-68.98	≤-15.76	PASS
			1000~26500	4.24	-53.20	≤-15.76	PASS

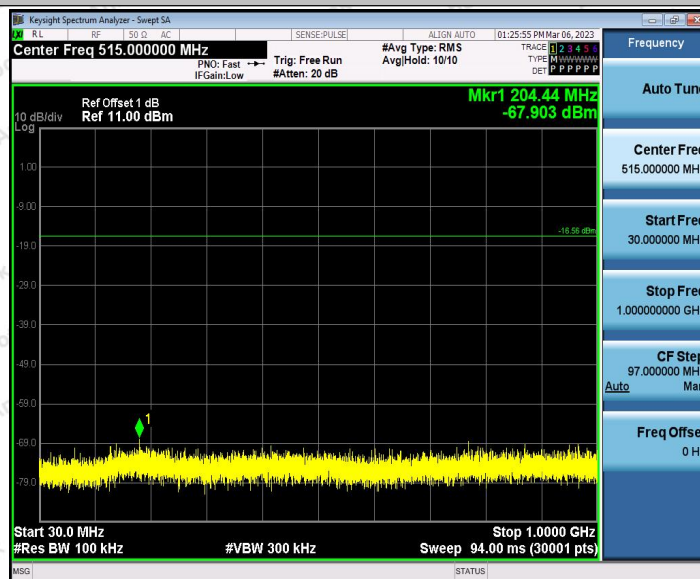


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

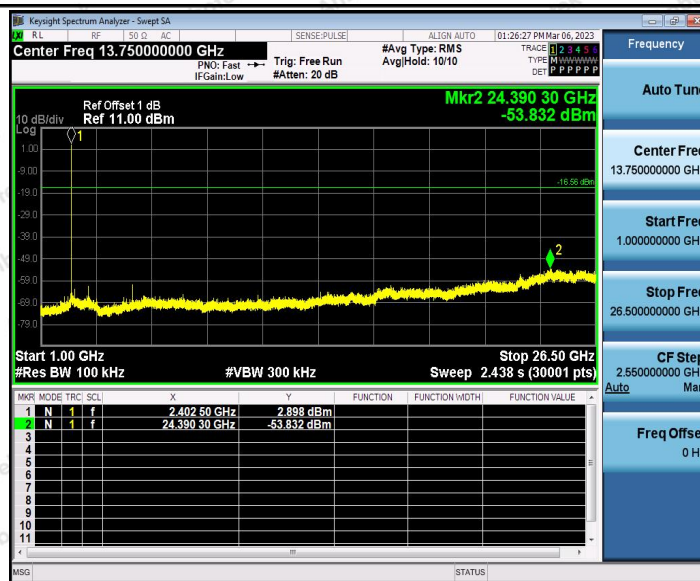
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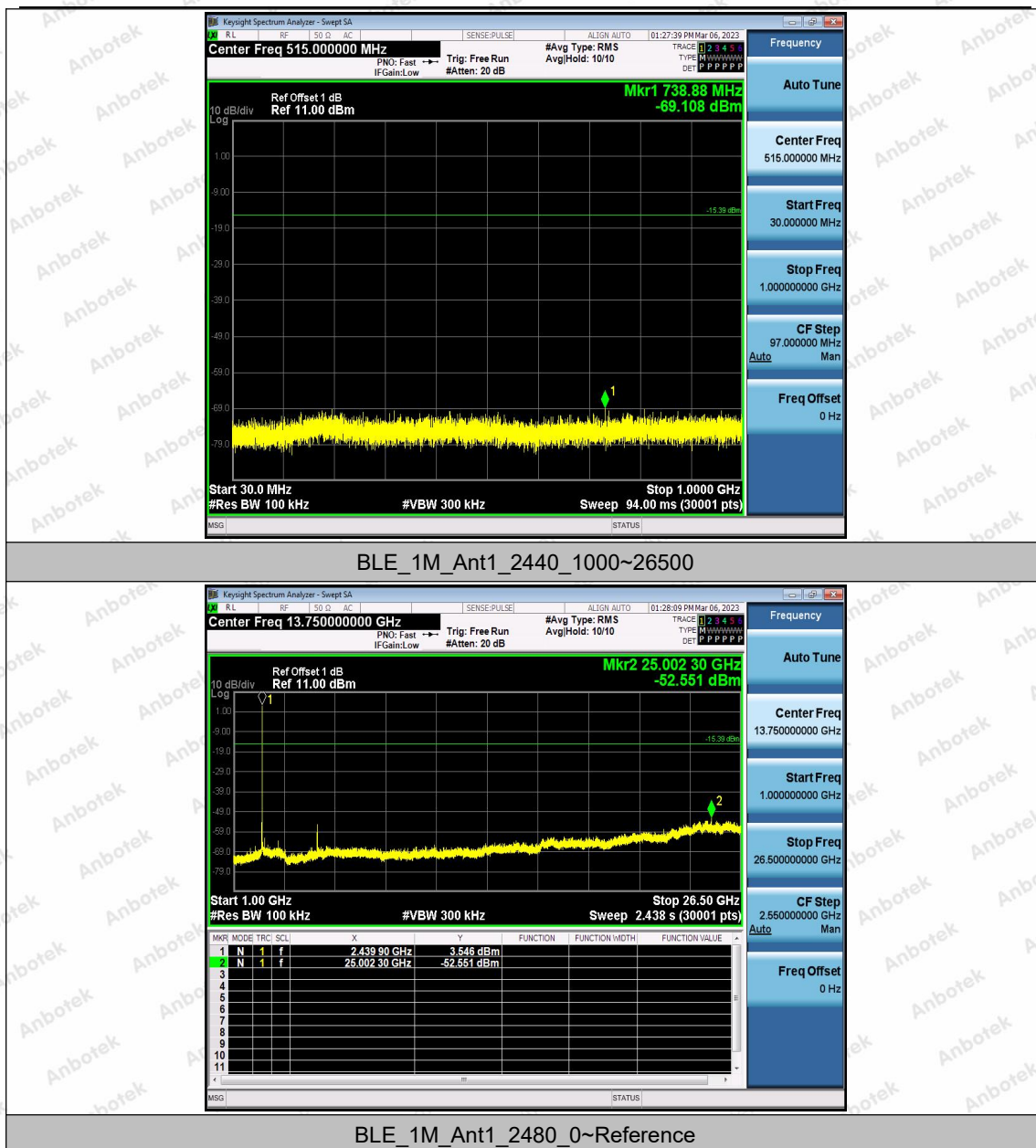


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





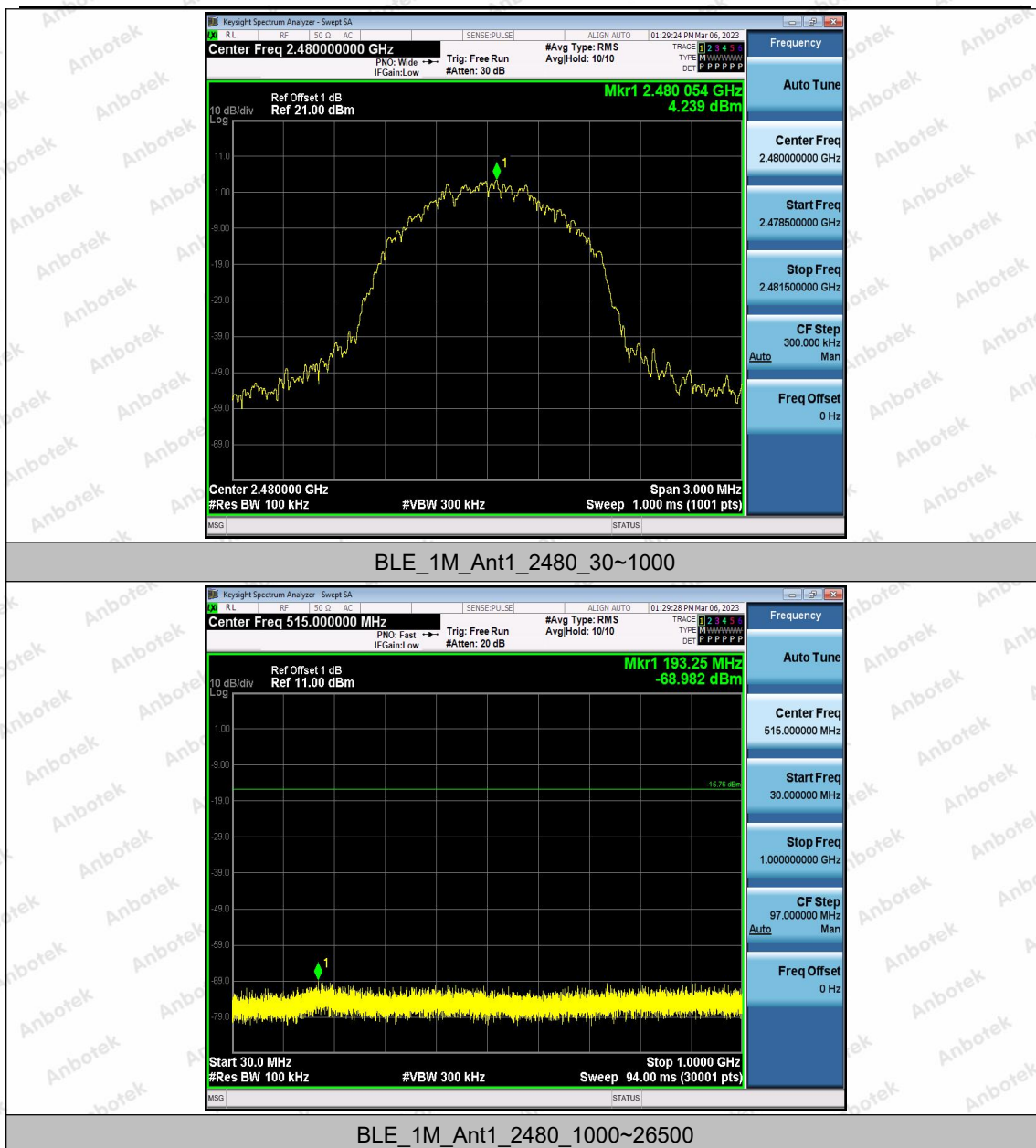
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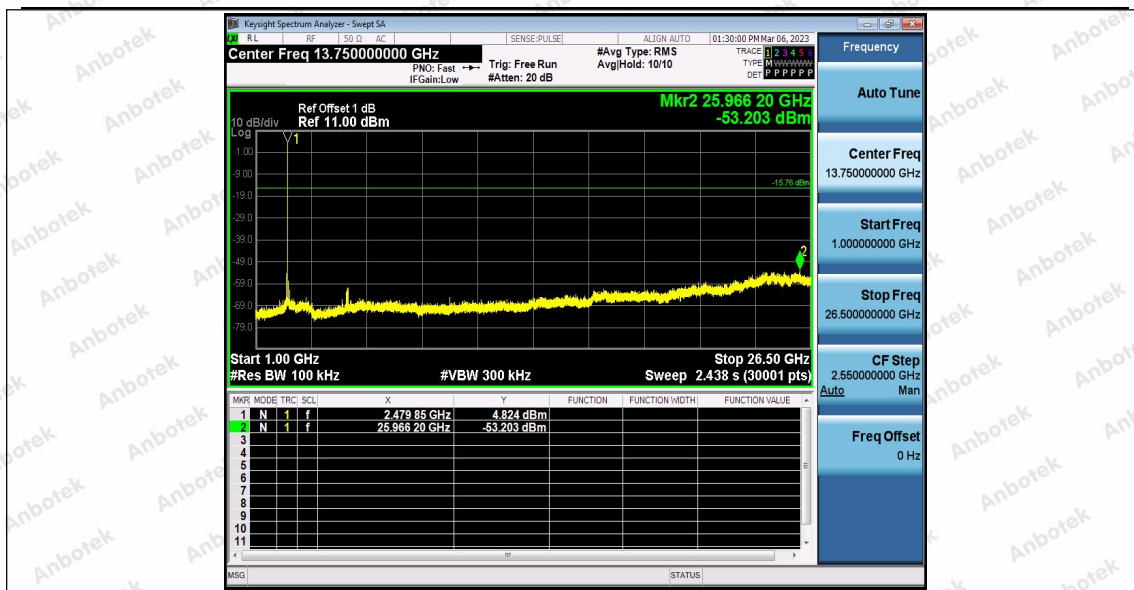
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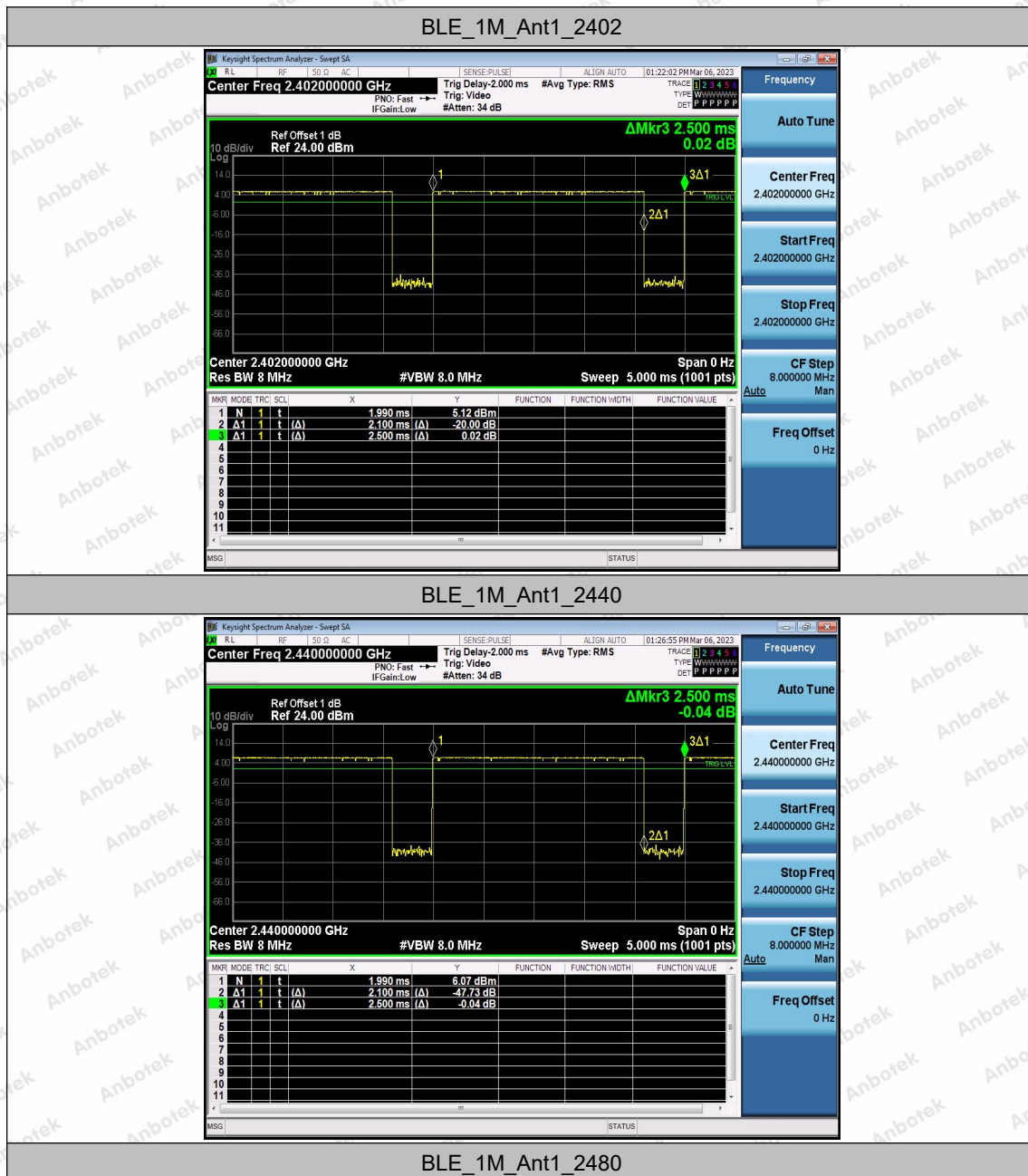
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76



Test Graphs



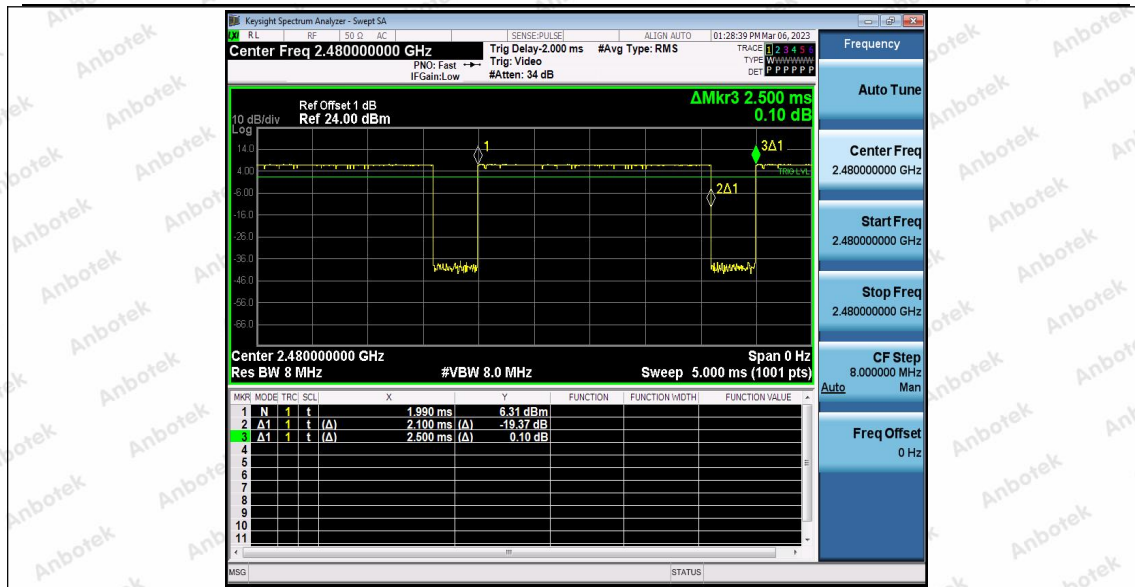
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