

Appendix Test Data

Report No.:	18220WC30013802	Test Sample No.:	1-2-2
Start Test Date:	2023.2.4	Finish Test Date:	2023.2.13
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.652	2402.340	0.5	PASS
		2440	0.704	2439.644	2440.348	0.5	PASS
		2480	0.712	2479.636	2480.348	0.5	PASS



Test Graphs



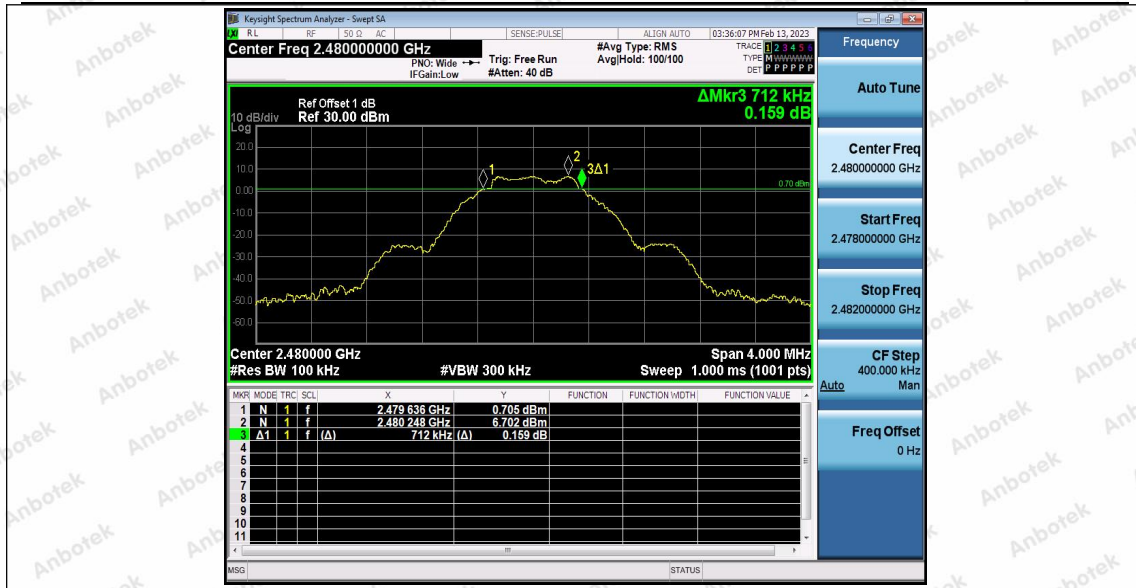
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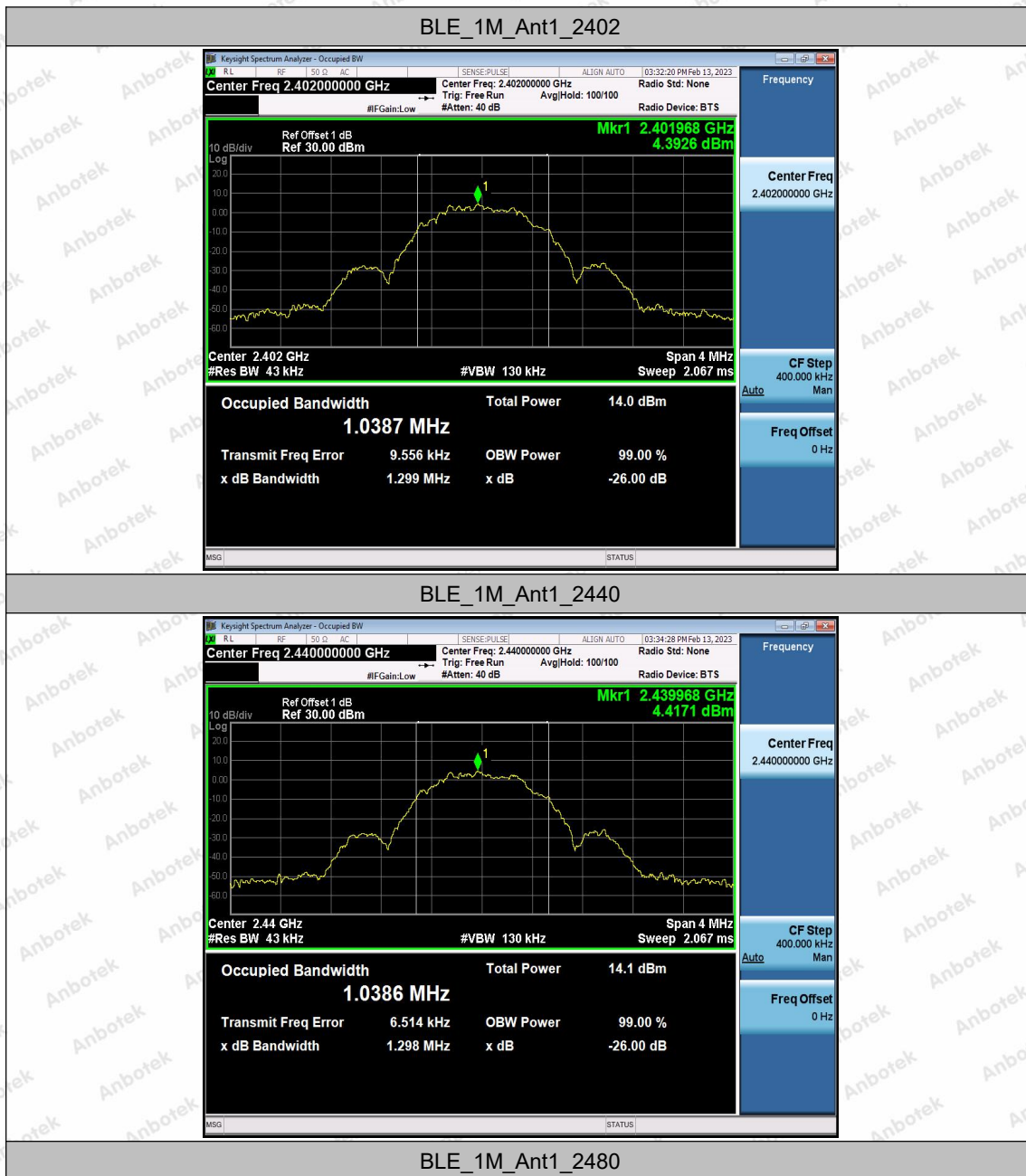
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0387	2401.4902	2402.5289
		2440	1.0386	2439.4872	2440.5258
		2480	1.0380	2479.4904	2480.5284



Test Graphs



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Appendix C: Maximum conducted output power

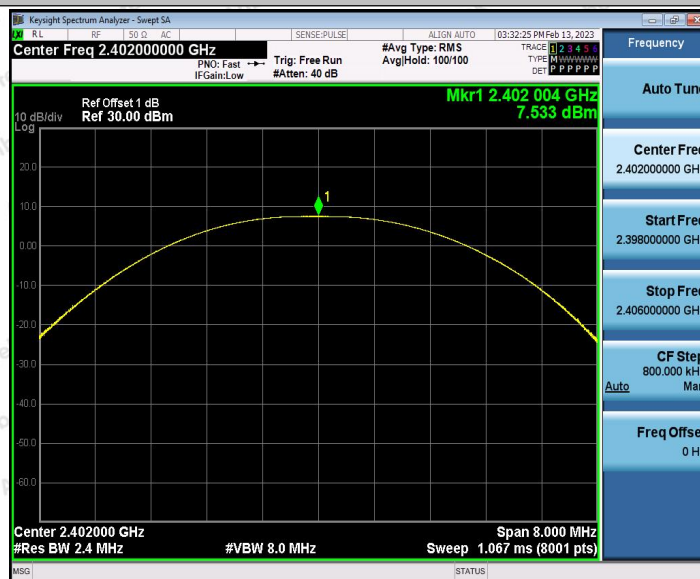
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.53	≤30	PASS
		2440	7.56	≤30	PASS
		2480	7.63	≤30	PASS

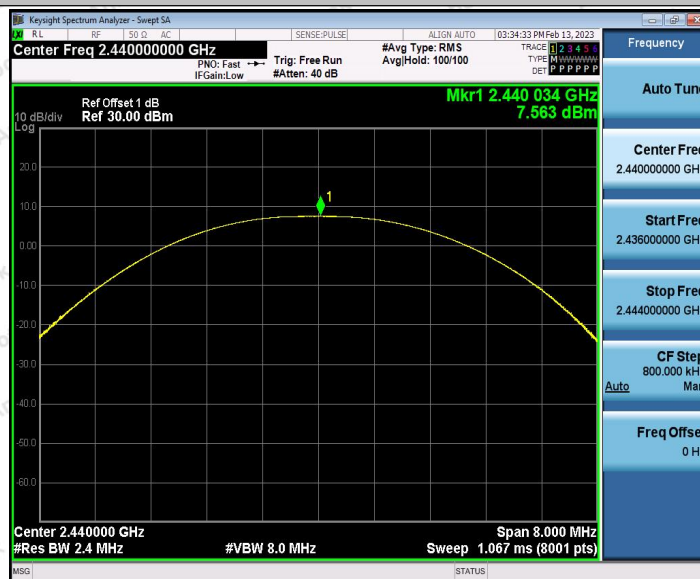


Test Graphs Peak

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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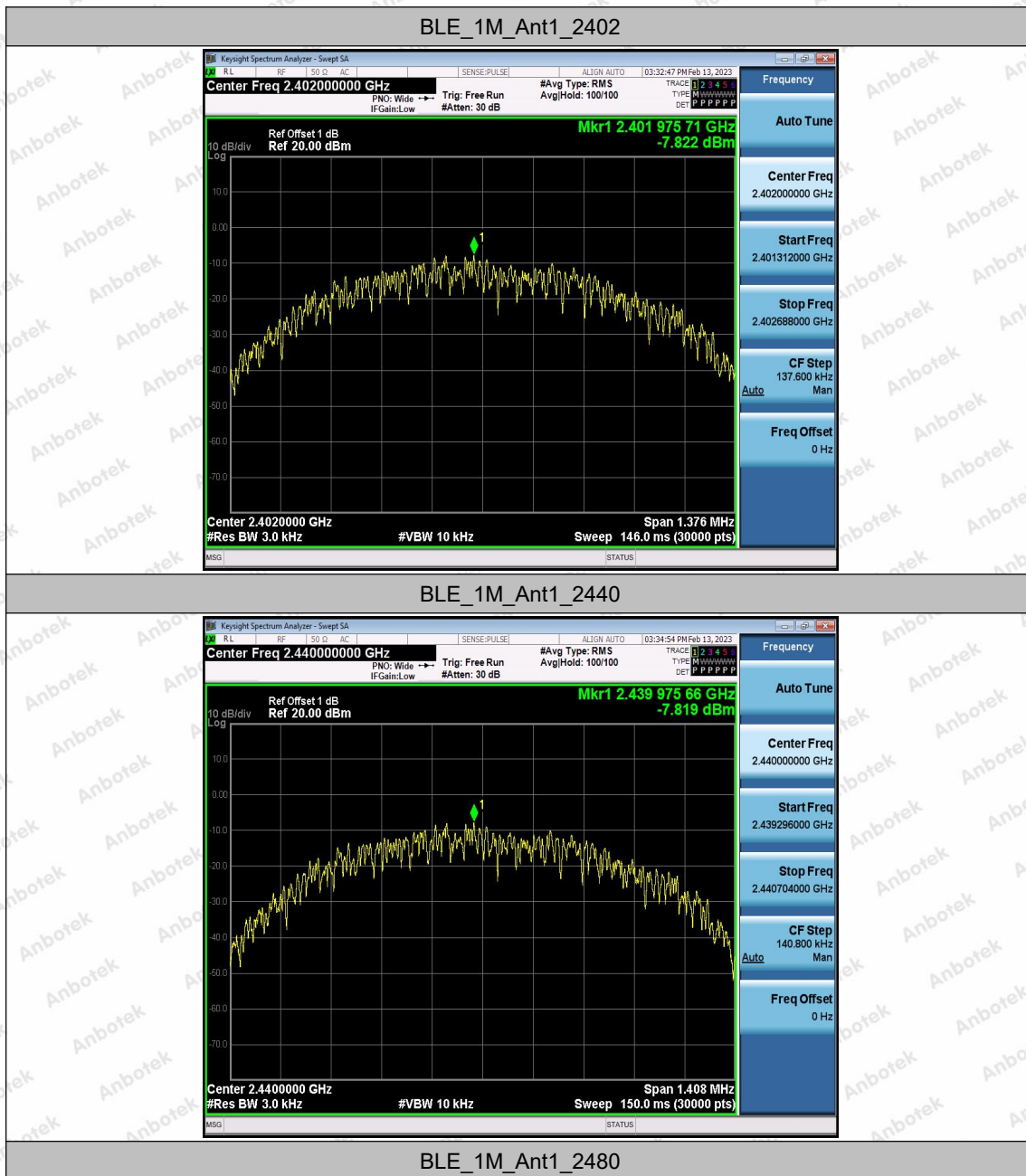
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.82	≤8.00	PASS
		2440	-7.82	≤8.00	PASS
		2480	-7.71	≤8.00	PASS



Test Graphs



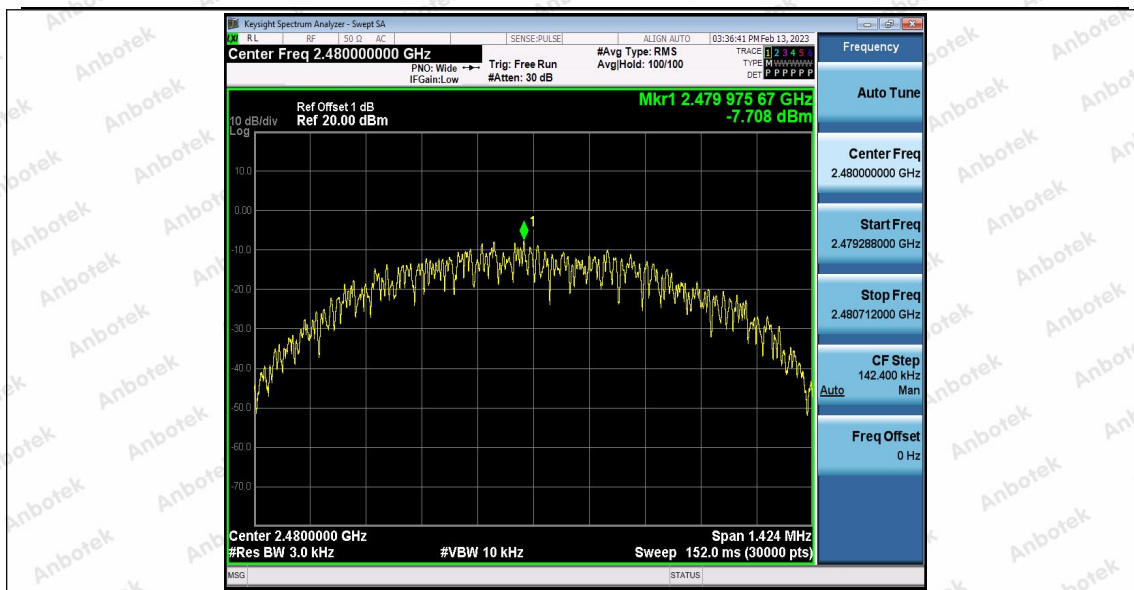
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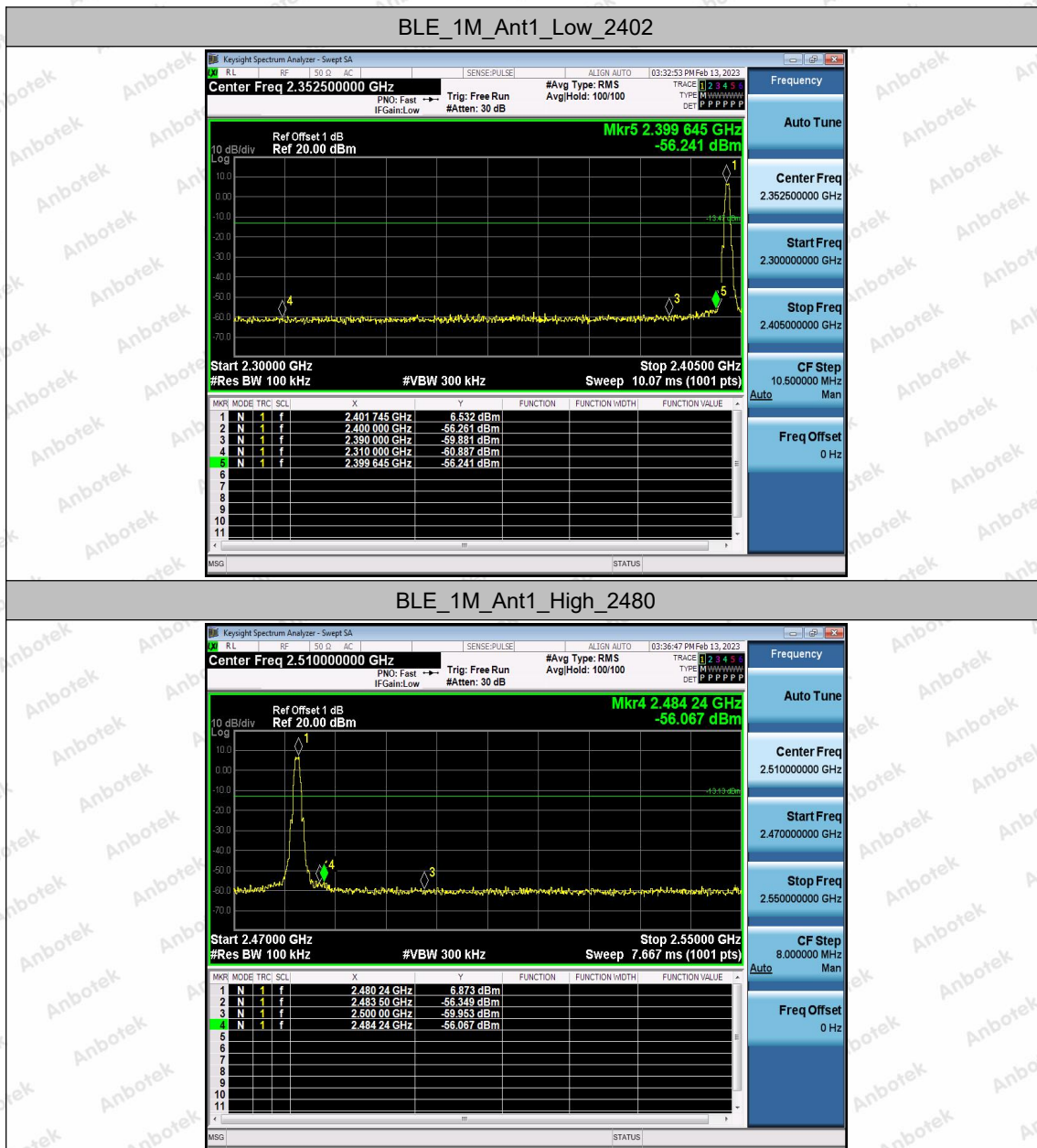
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.53	-56.24	≤ -13.47	PASS
		High	2480	6.87	-56.07	≤ -13.13	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	6.60	6.60	---	PASS
			30~1000	6.60	-68.34	≤-13.4	PASS
			1000~26500	6.60	-52.67	≤-13.4	PASS
		2440	Reference	6.51	6.51	---	PASS
			30~1000	6.51	-68.89	≤-13.49	PASS
			1000~26500	6.51	-53.47	≤-13.49	PASS
		2480	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-69.22	≤-13.32	PASS
			1000~26500	6.68	-53.63	≤-13.32	PASS

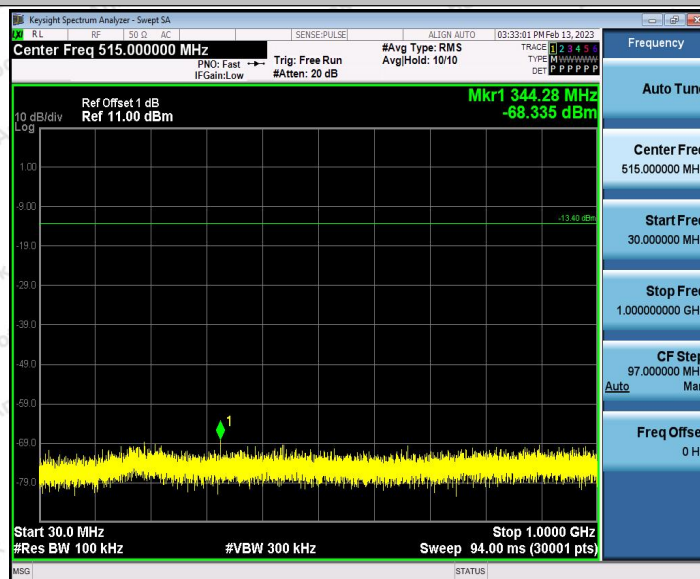


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

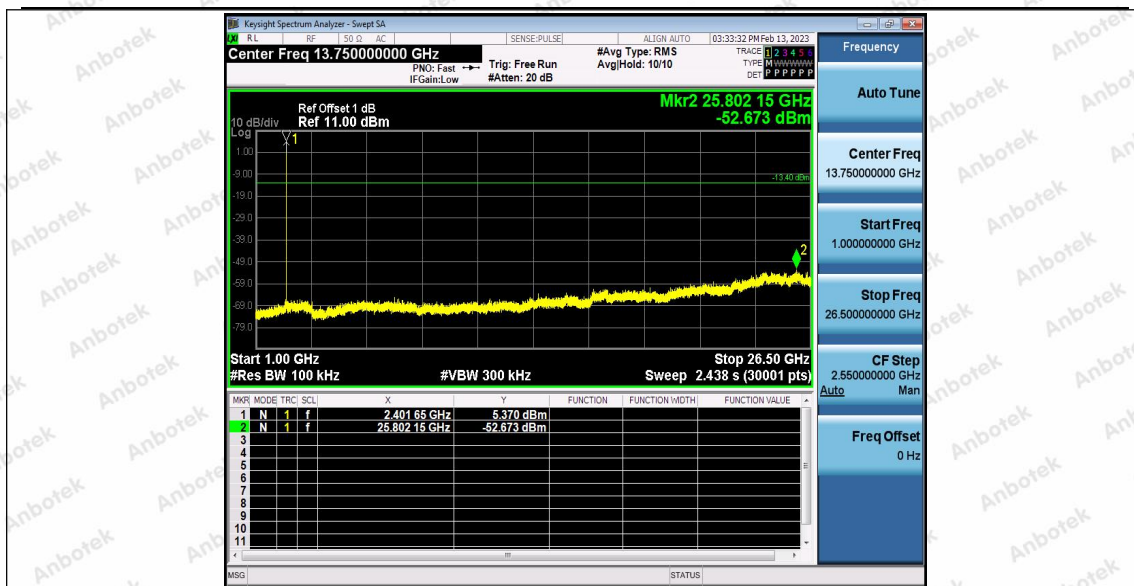
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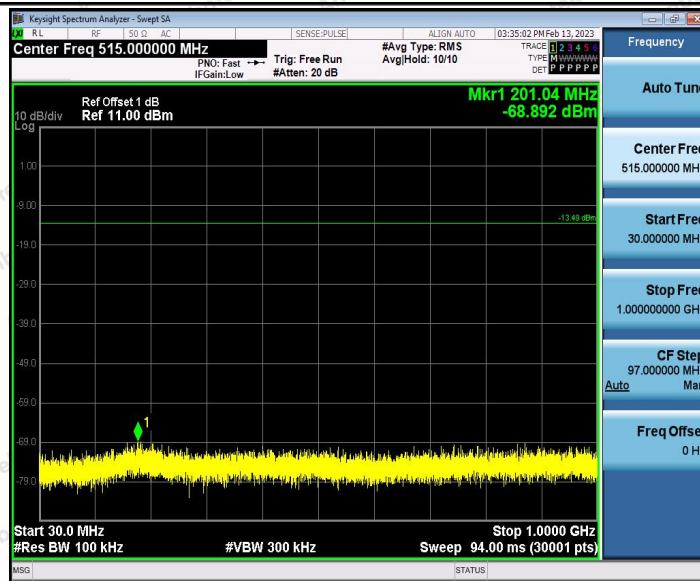


BLE_1M_Ant1_2440_0~Reference

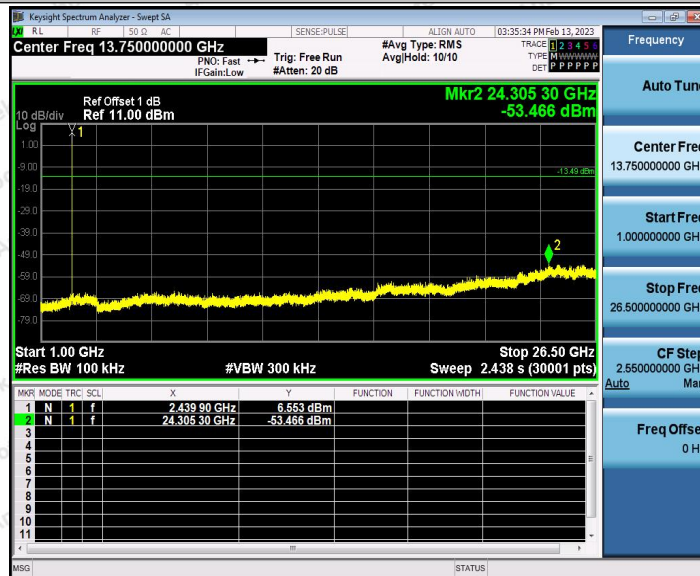


BLE_1M_Ant1_2440_30~1000



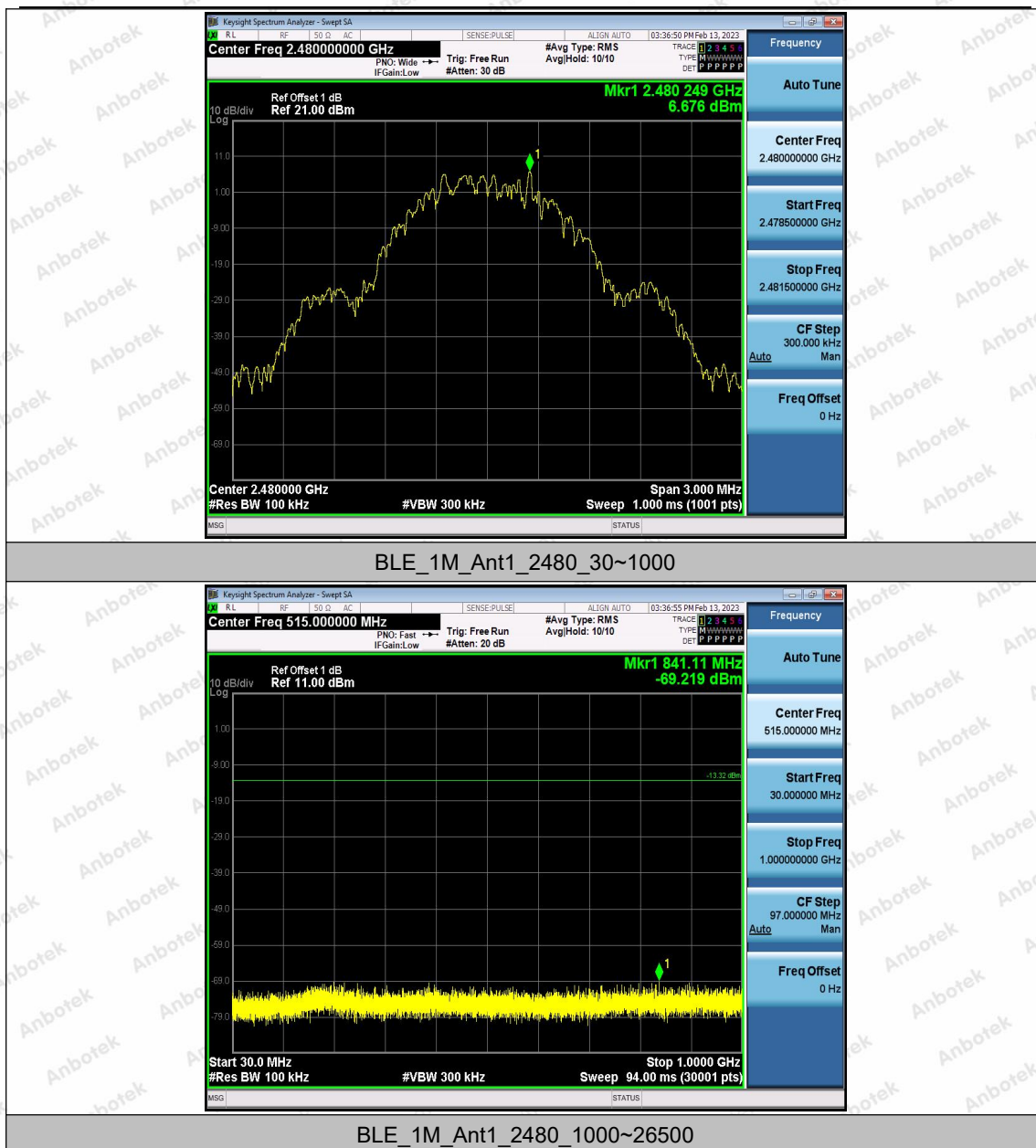


BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



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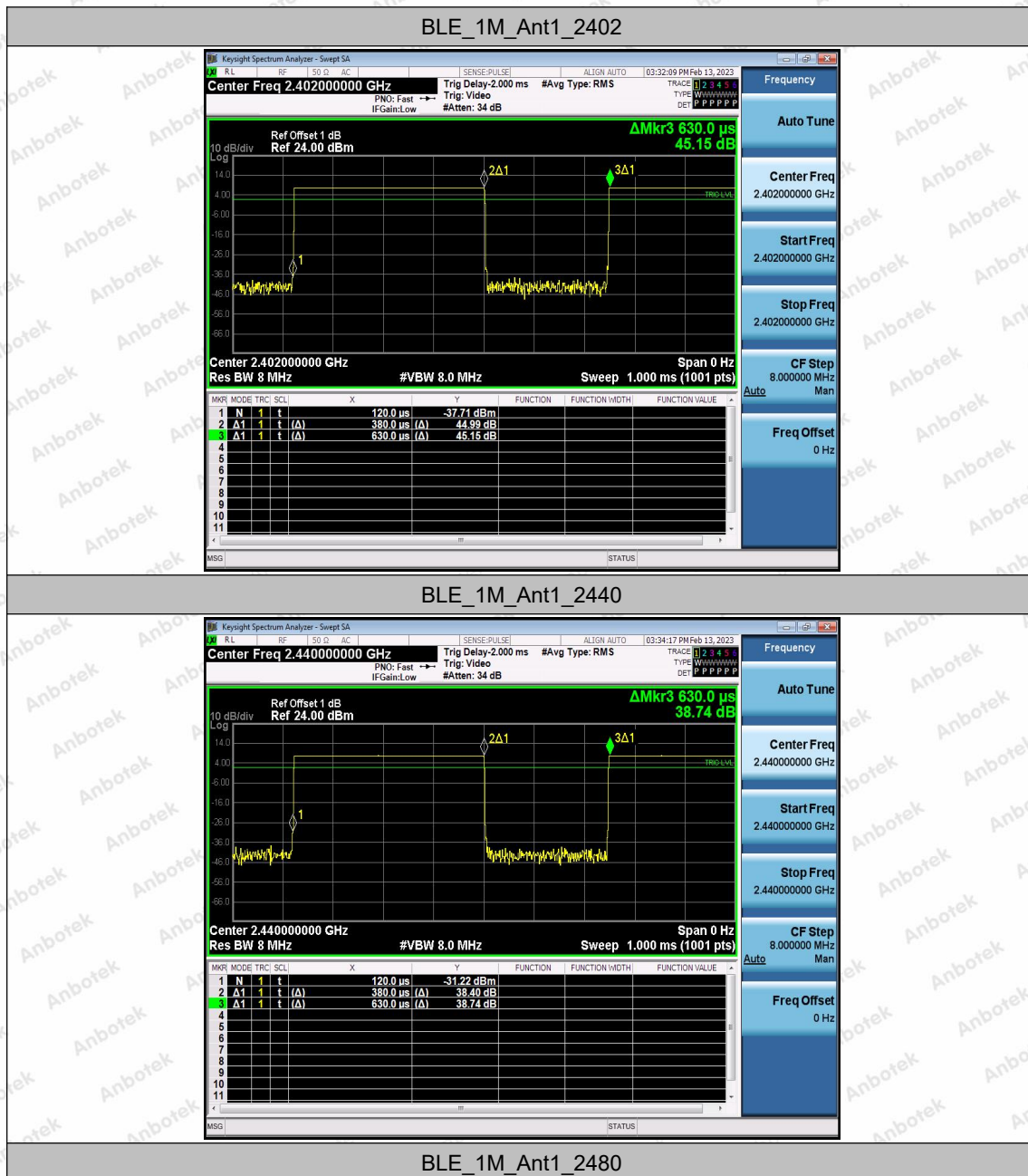
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



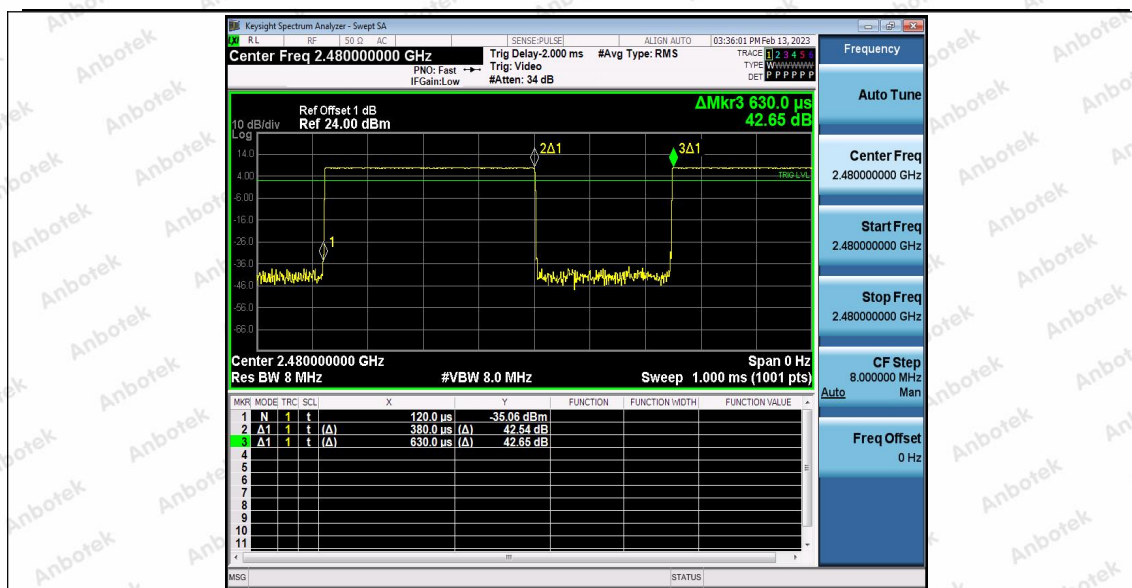
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