

Appendix Test Data

Report No.:	18220WC30143901	Test Sample No.:	1-2-2
Start Test Date:	2023.07.12	Finish Test Date:	2023.07.17
Test Engineer:	RICK Luo	Auditor:	Edward.Pan
Temperature:	25.1℃	Relative Humidity:	52%
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	0.640	2401.636	2402.276	0.5	PASS
		2440	0.640	2439.640	2440.280	0.5	PASS
		2480	0.644	2479.628	2480.272	0.5	PASS



Test Graphs



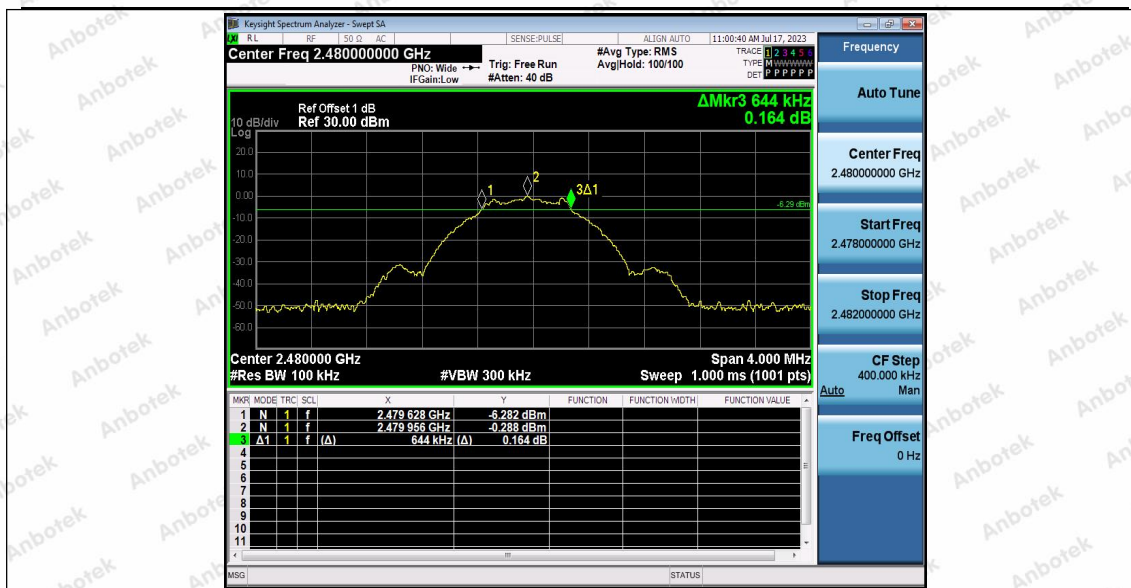
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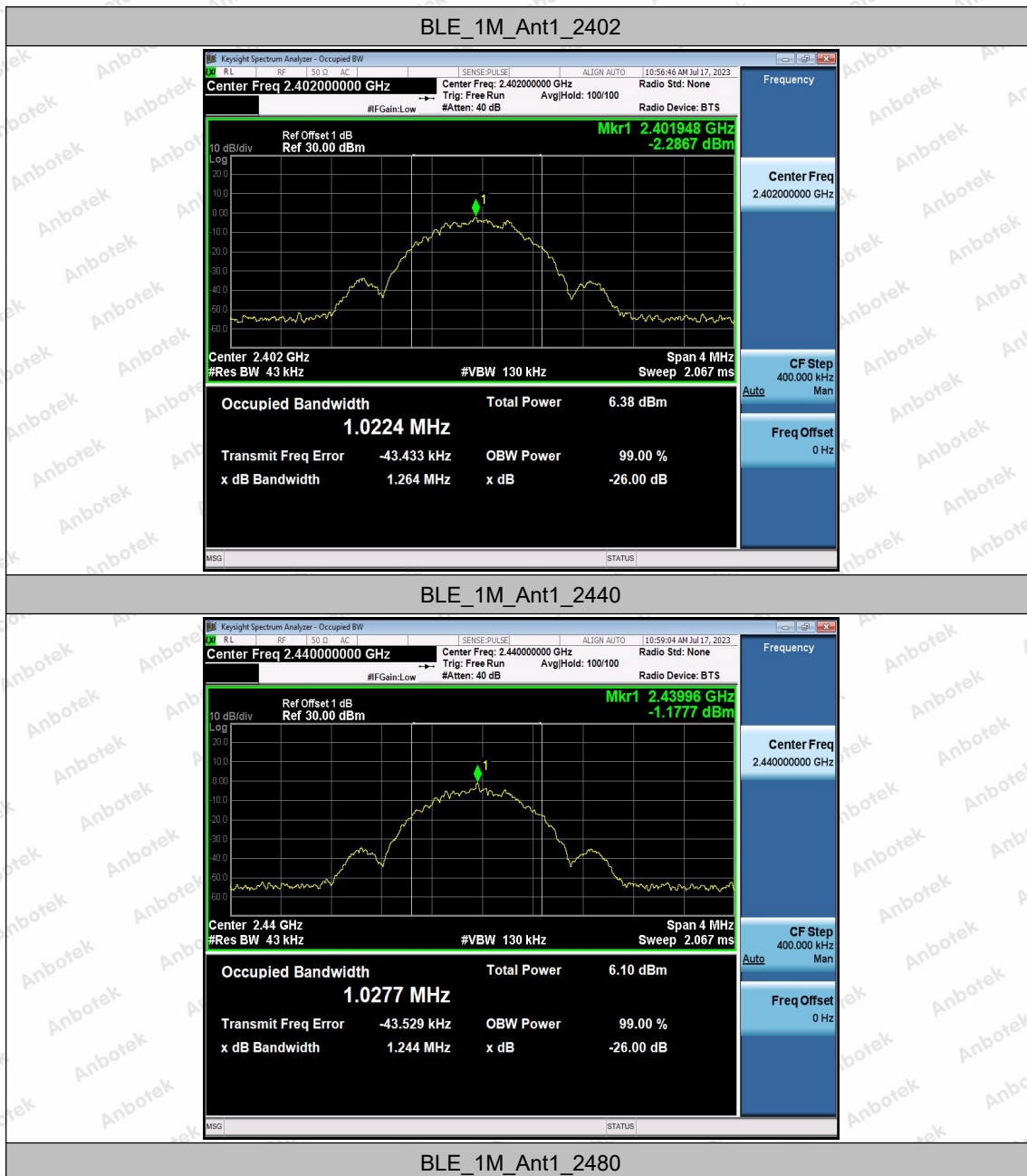
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0224	2401.4454	2402.4678
		2440	1.0277	2439.4426	2440.4703
		2480	1.0224	2479.4457	2480.4681



Test Graphs



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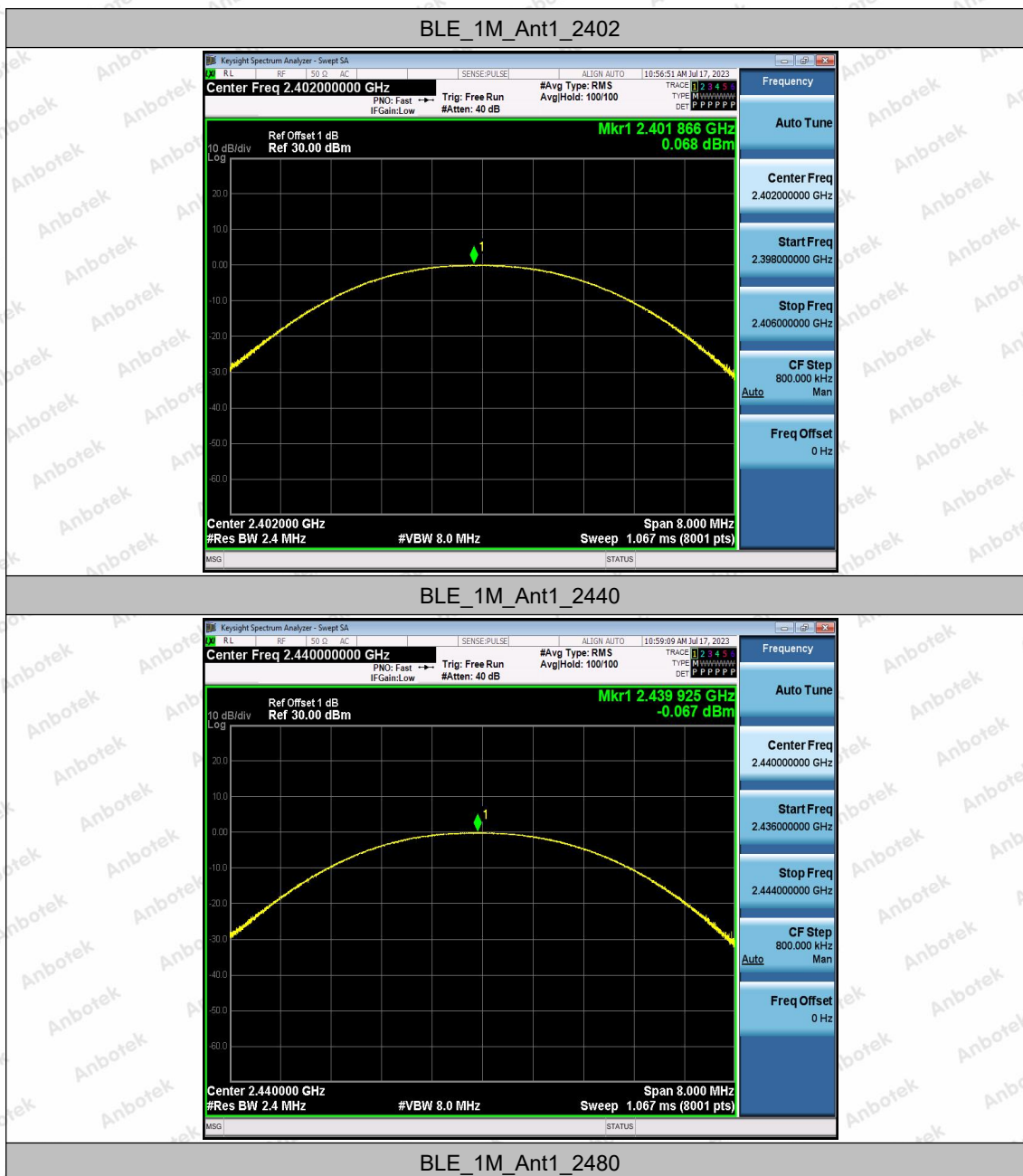
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.07	≤30	PASS
		2440	-0.07	≤30	PASS
		2480	0.42	≤30	PASS



Test Graphs Peak



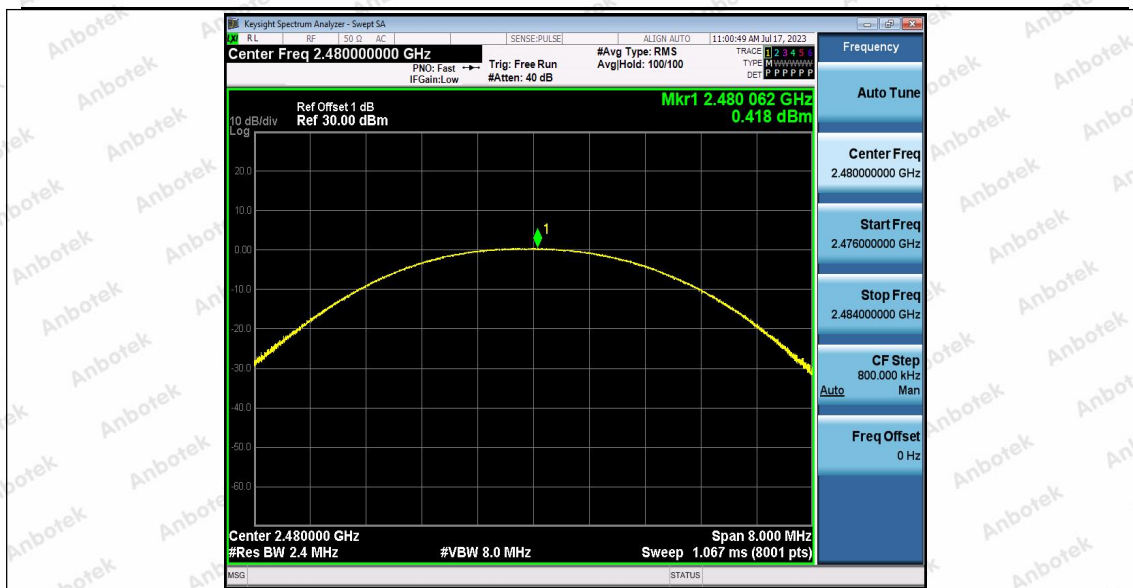
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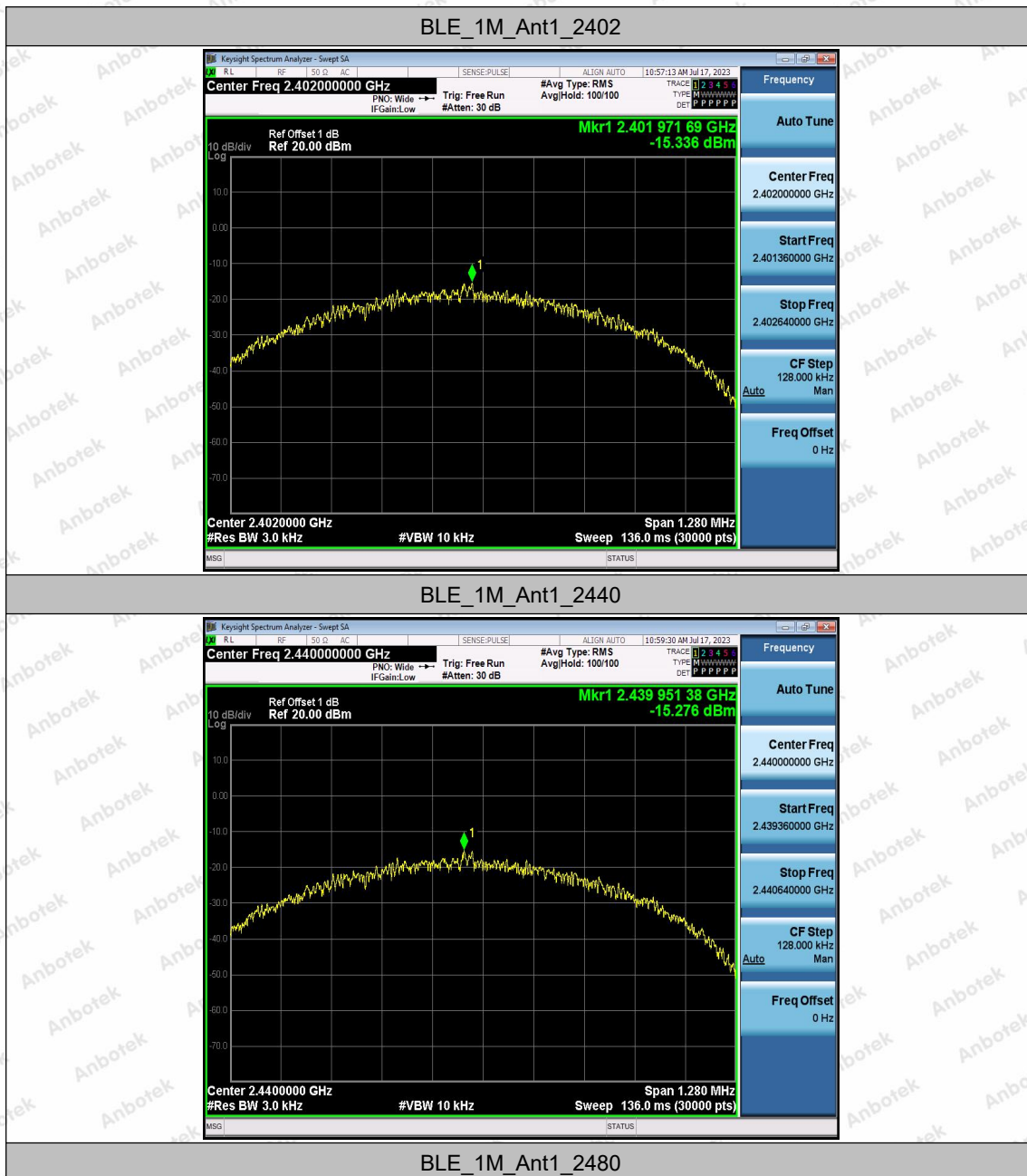
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.34	≤8.00	PASS
		2440	-15.28	≤8.00	PASS
		2480	-14.96	≤8.00	PASS



Test Graphs



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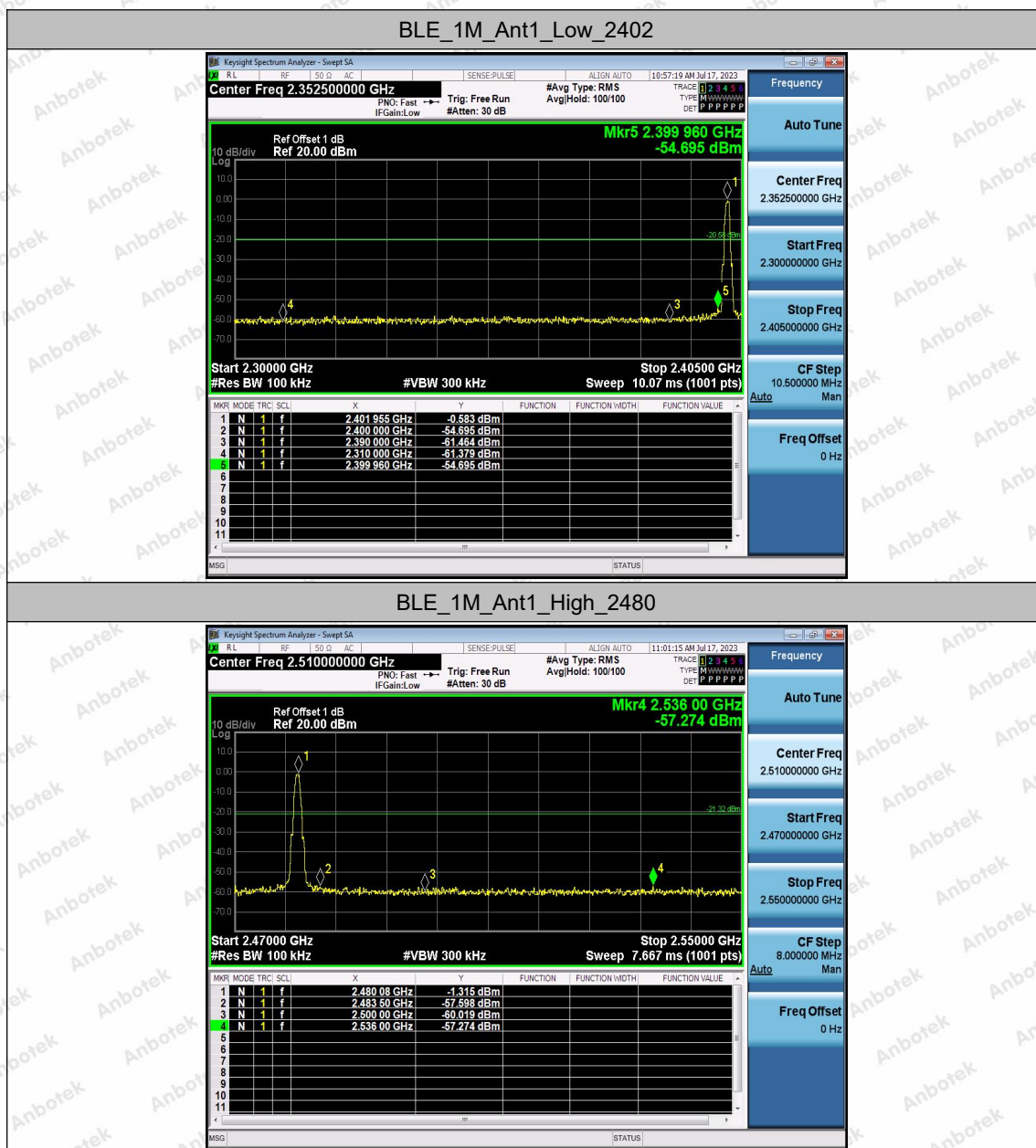
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.58	-54.70	≤-20.58	PASS
		High	2480	-1.32	-57.27	≤-21.32	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	-1.13	-1.13	---	PASS
			30~1000	-1.13	-68.90	≤-21.13	PASS
			1000~26500	-1.13	-53.87	≤-21.13	PASS
		2440	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-69.40	≤-21.86	PASS
			1000~26500	-1.86	-54.01	≤-21.86	PASS
		2480	Reference	-1.62	-1.62	---	PASS
			30~1000	-1.62	-69.10	≤-21.62	PASS
			1000~26500	-1.62	-53.18	≤-21.62	PASS

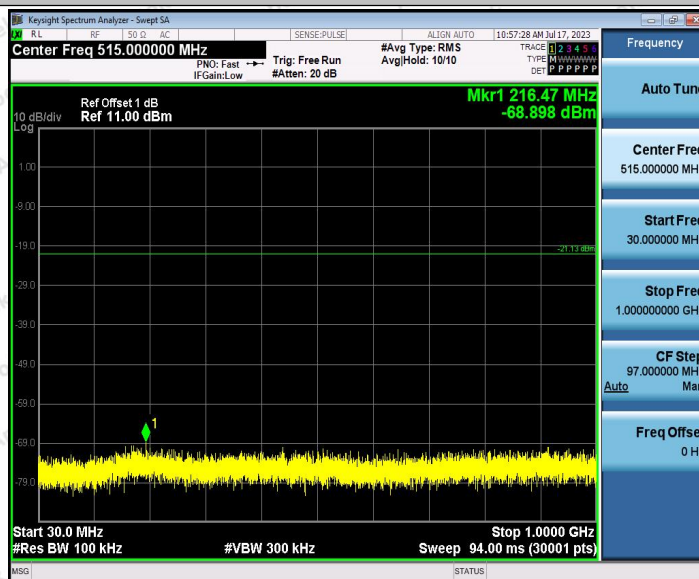


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

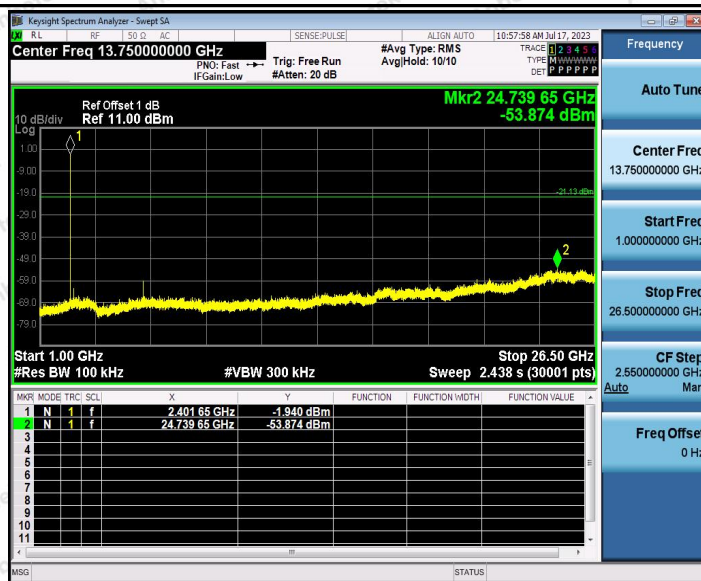
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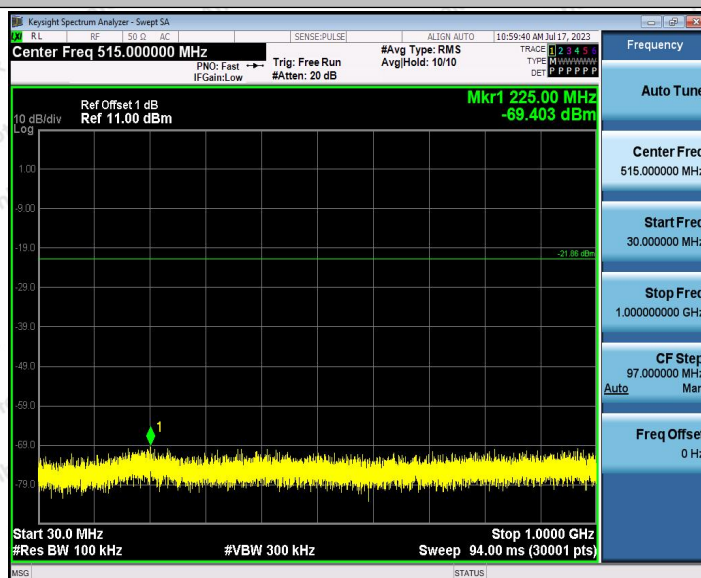




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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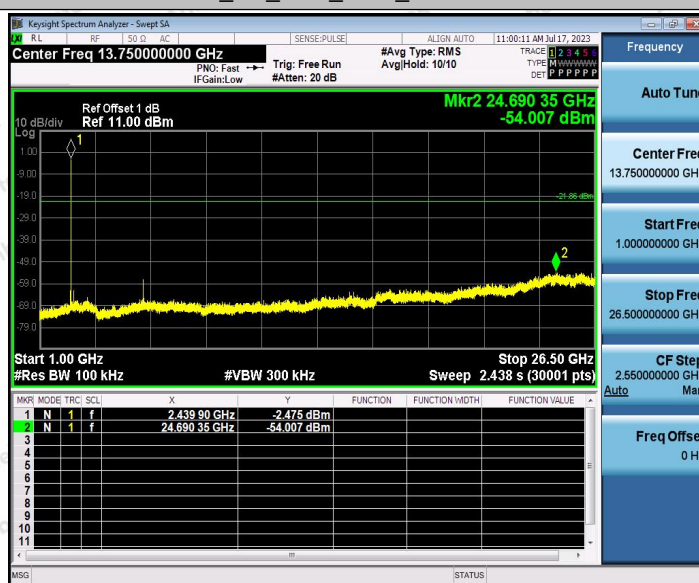
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

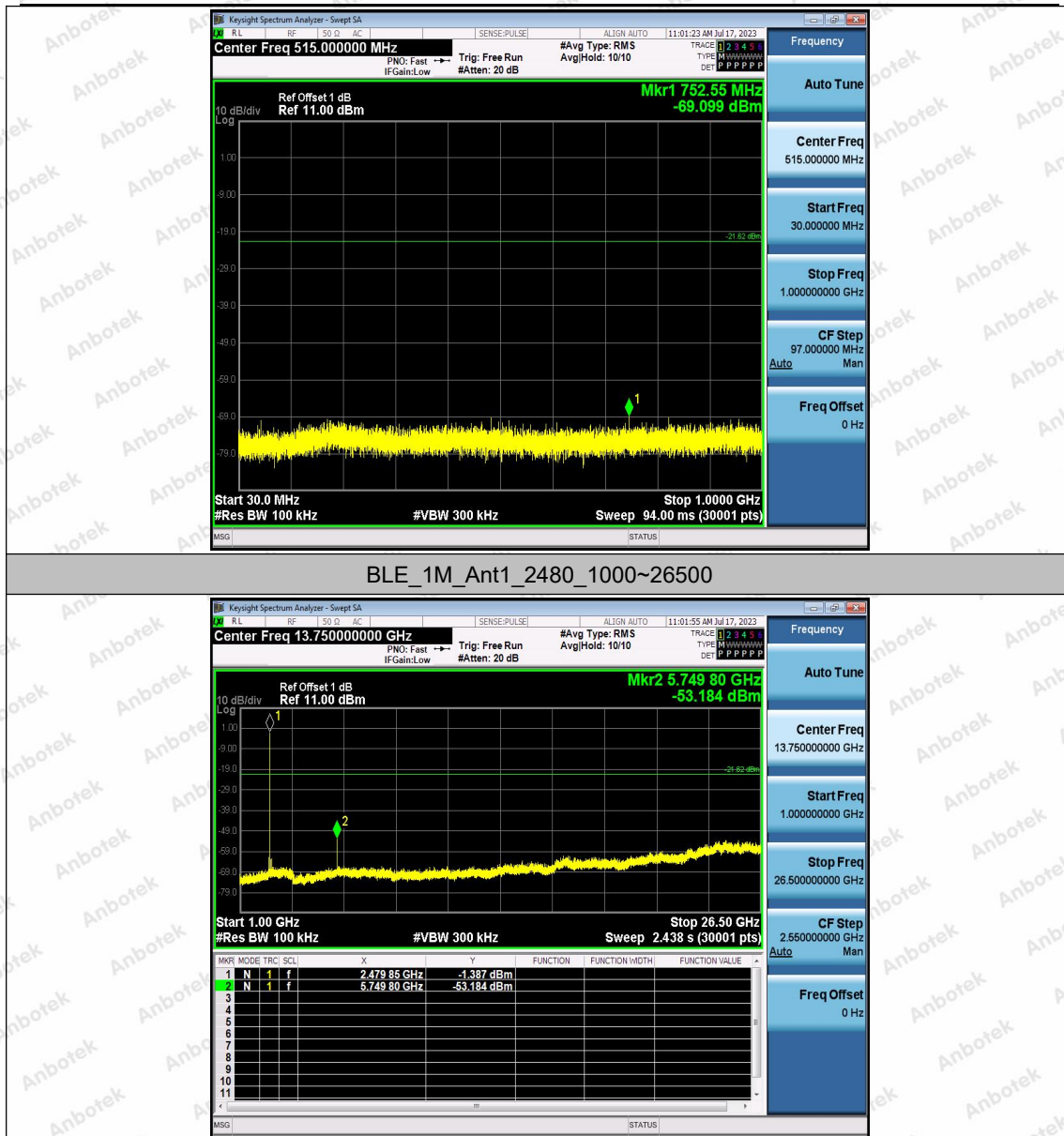
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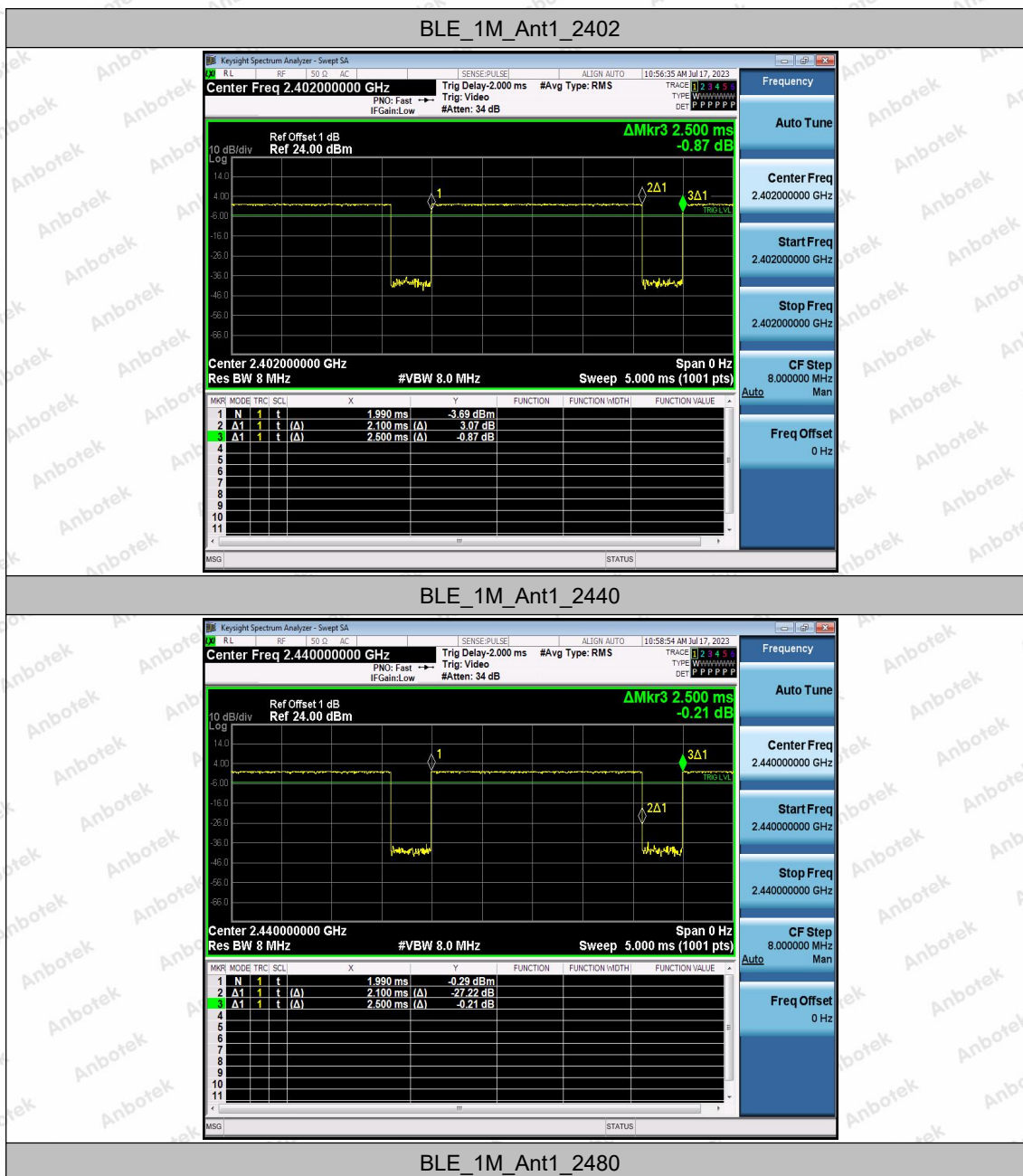
Appendix G: Duty Cycle

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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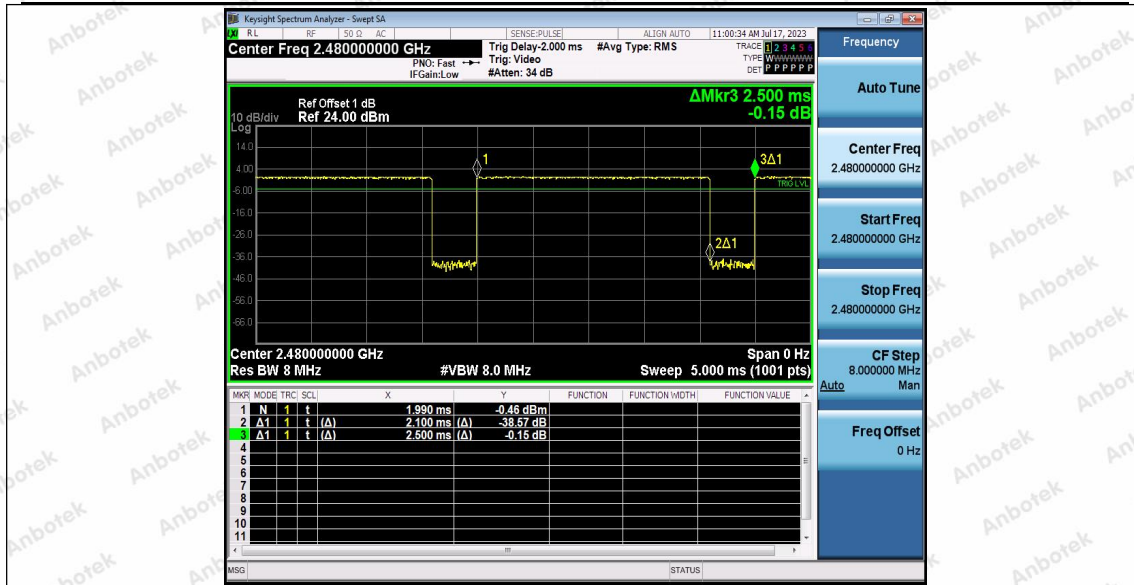


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