

Appendix Test Data

Report No.:	18220WC30108901	Test Sample No.:	1-2-2
Start Test Date:	2023.06.02	Finish Test Date:	2023.06.09
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.3℃	Relative Humidity:	49%
Pressure:	1012 hPa		

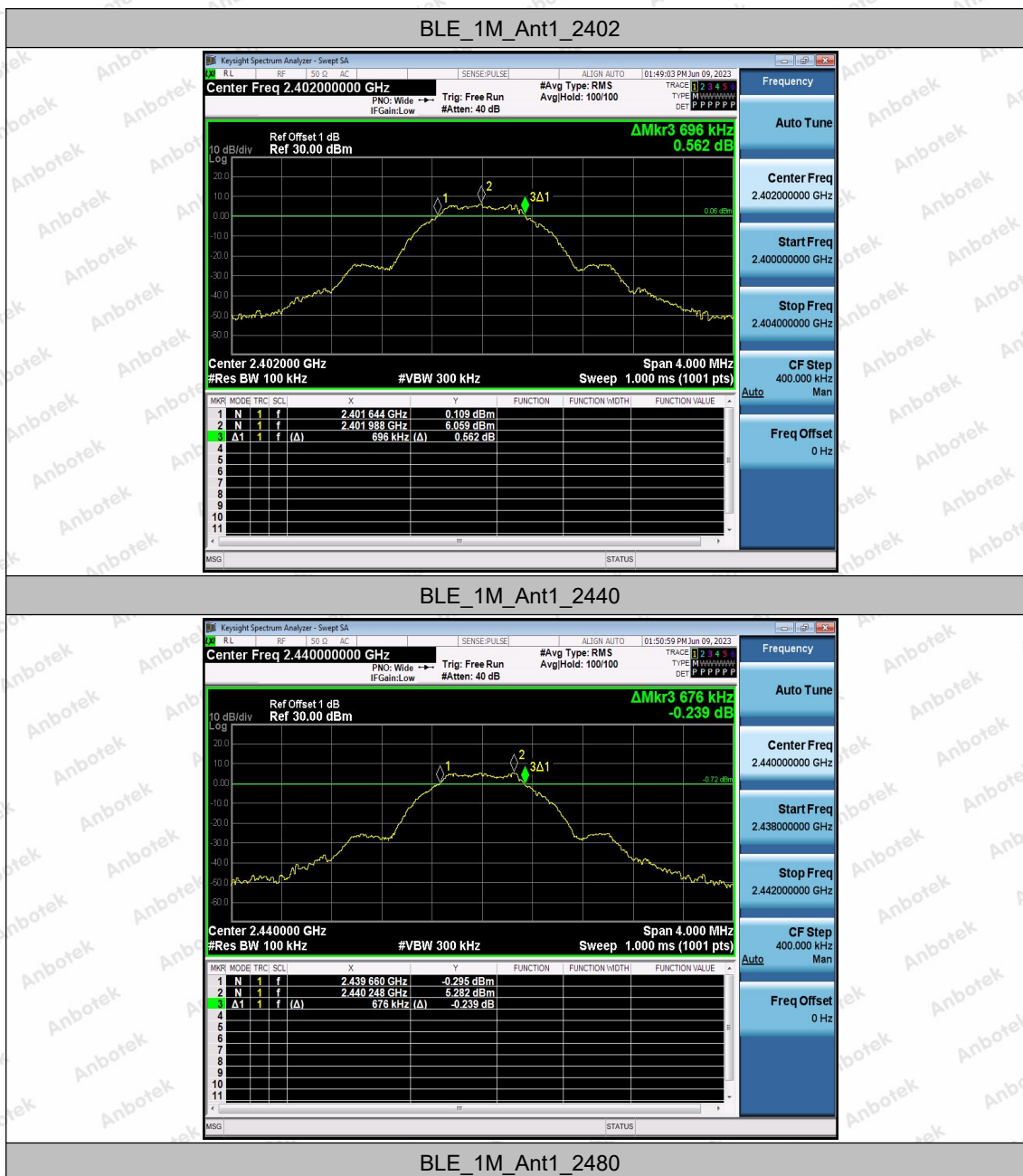
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.644	2402.340	0.5	PASS
		2440	0.676	2439.660	2440.336	0.5	PASS
		2480	0.692	2479.656	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	1.0423	2401.4870	2402.5293
		2440	1.0448	2439.4882	2440.5330
		2480	1.0392	2479.4906	2480.5298



Test Graphs



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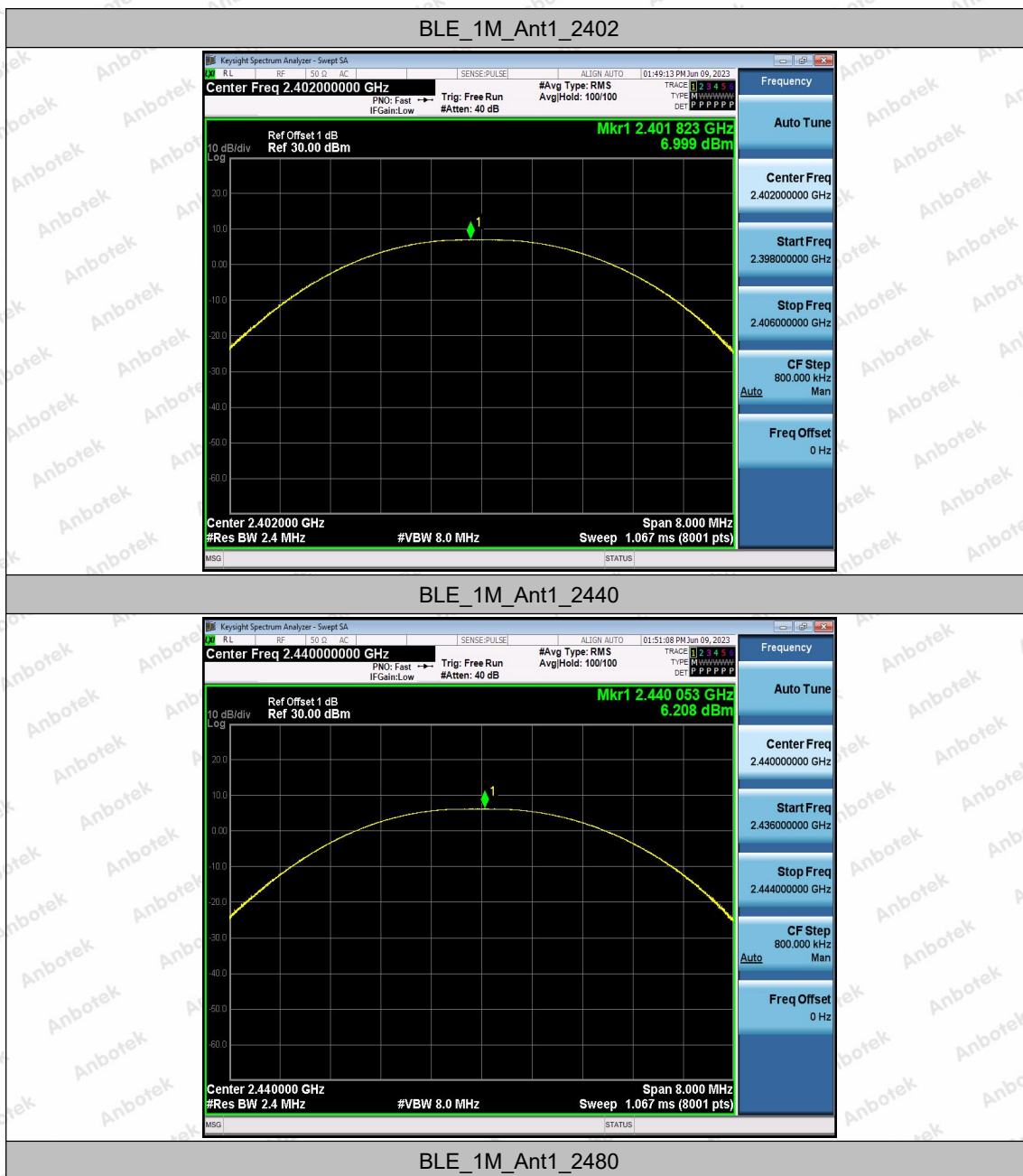
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.00	≤30	PASS
		2440	6.21	≤30	PASS
		2480	6.02	≤30	PASS



Test Graphs Peak



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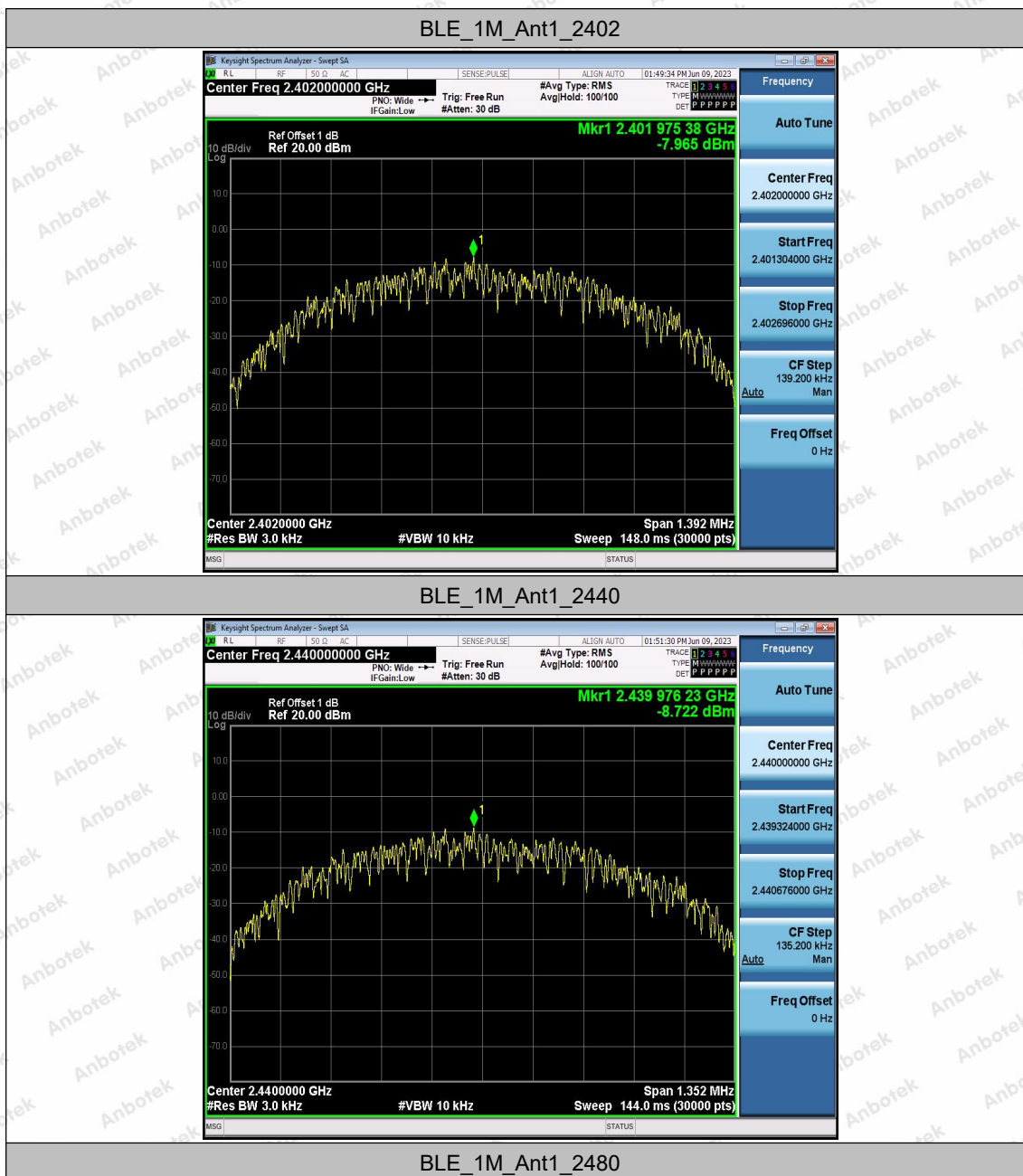
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.97	≤8.00	PASS
		2440	-8.72	≤8.00	PASS
		2480	-8.81	≤8.00	PASS



Test Graphs



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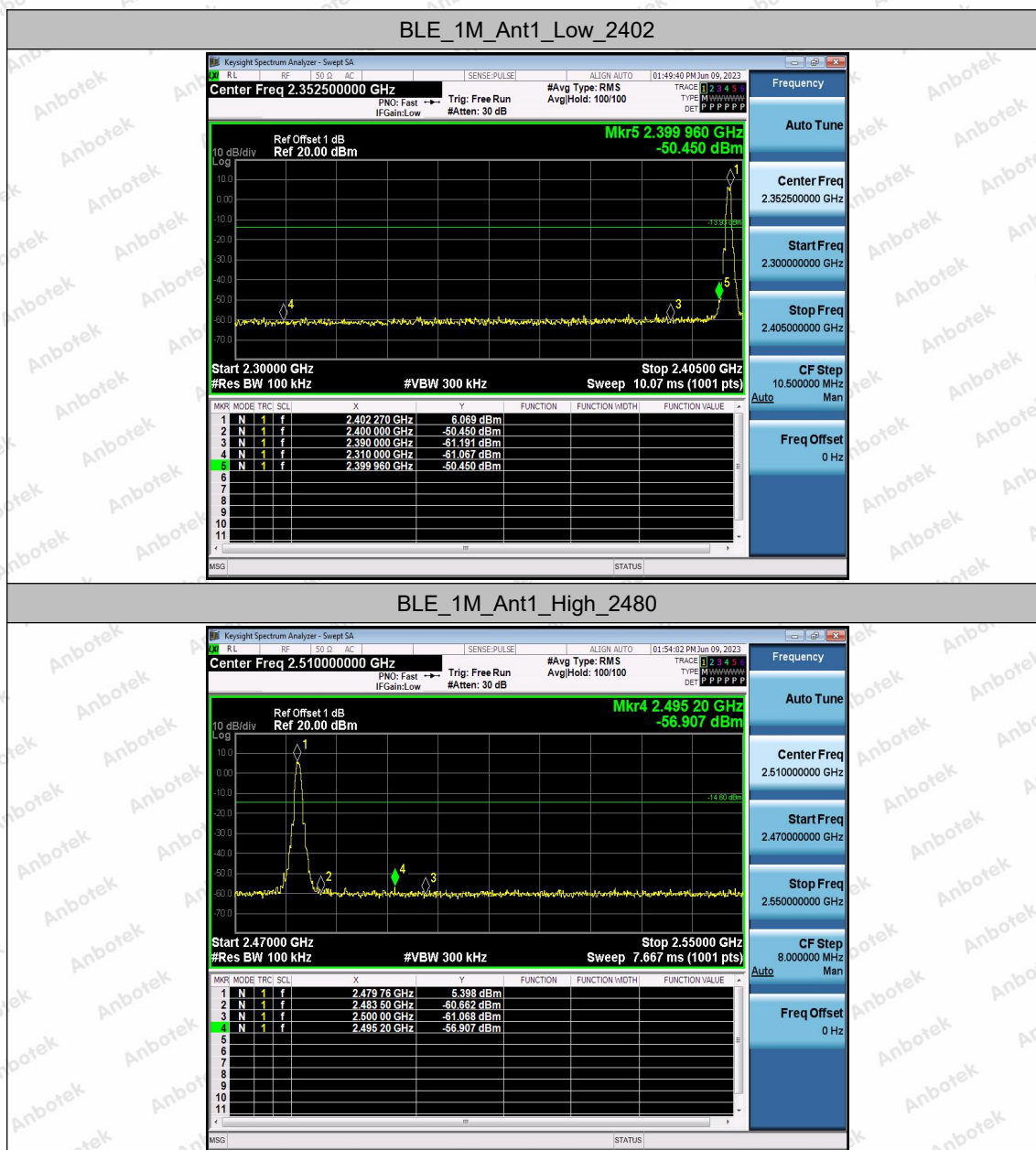


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.07	-50.45	≤-13.93	PASS
		High	2480	5.40	-56.91	≤-14.6	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	5.86	5.86	---	PASS
			30~1000	5.86	-69.44	≤-14.14	PASS
			1000~26500	5.86	-45.34	≤-14.14	PASS
		2440	Reference	5.18	5.18	---	PASS
			30~1000	5.18	-69.18	≤-14.82	PASS
			1000~26500	5.18	-46.76	≤-14.82	PASS
		2480	Reference	4.90	4.90	---	PASS
			30~1000	4.90	-68.64	≤-15.1	PASS
			1000~26500	4.90	-49.08	≤-15.1	PASS

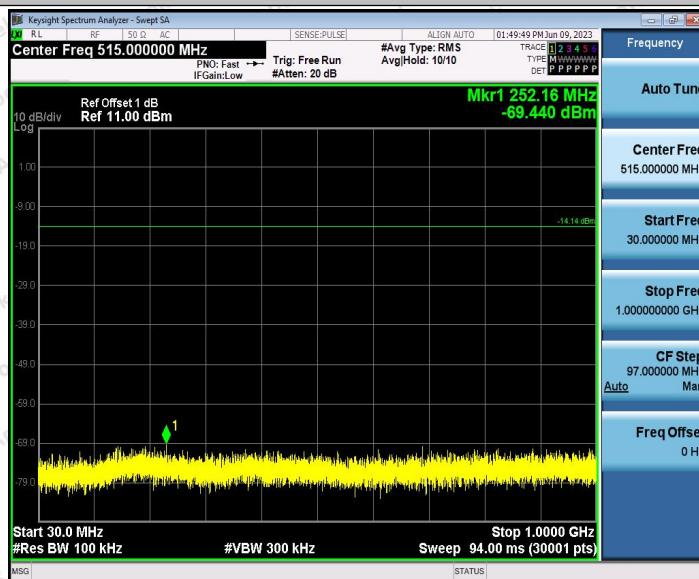


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

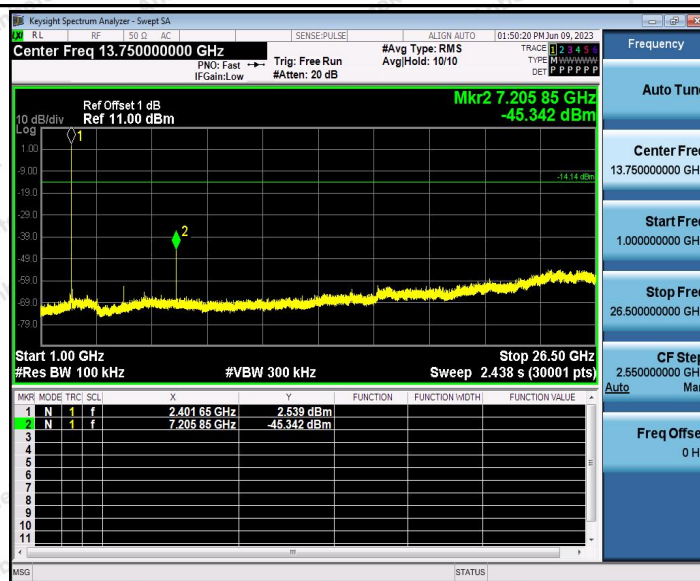
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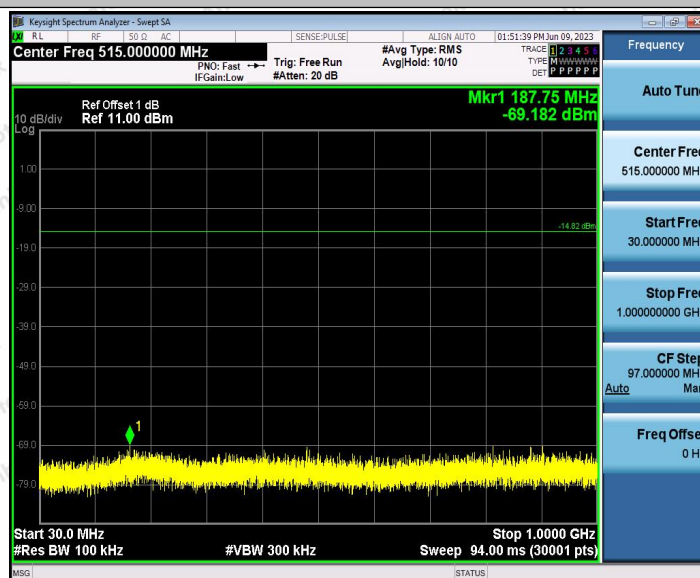




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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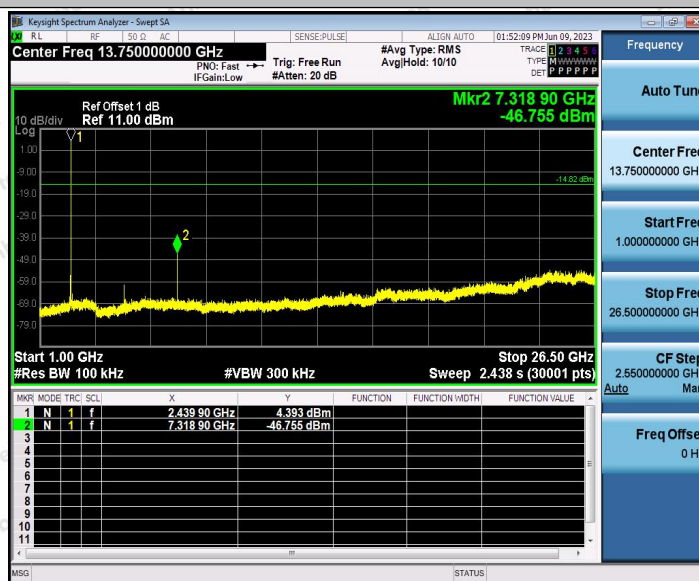
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

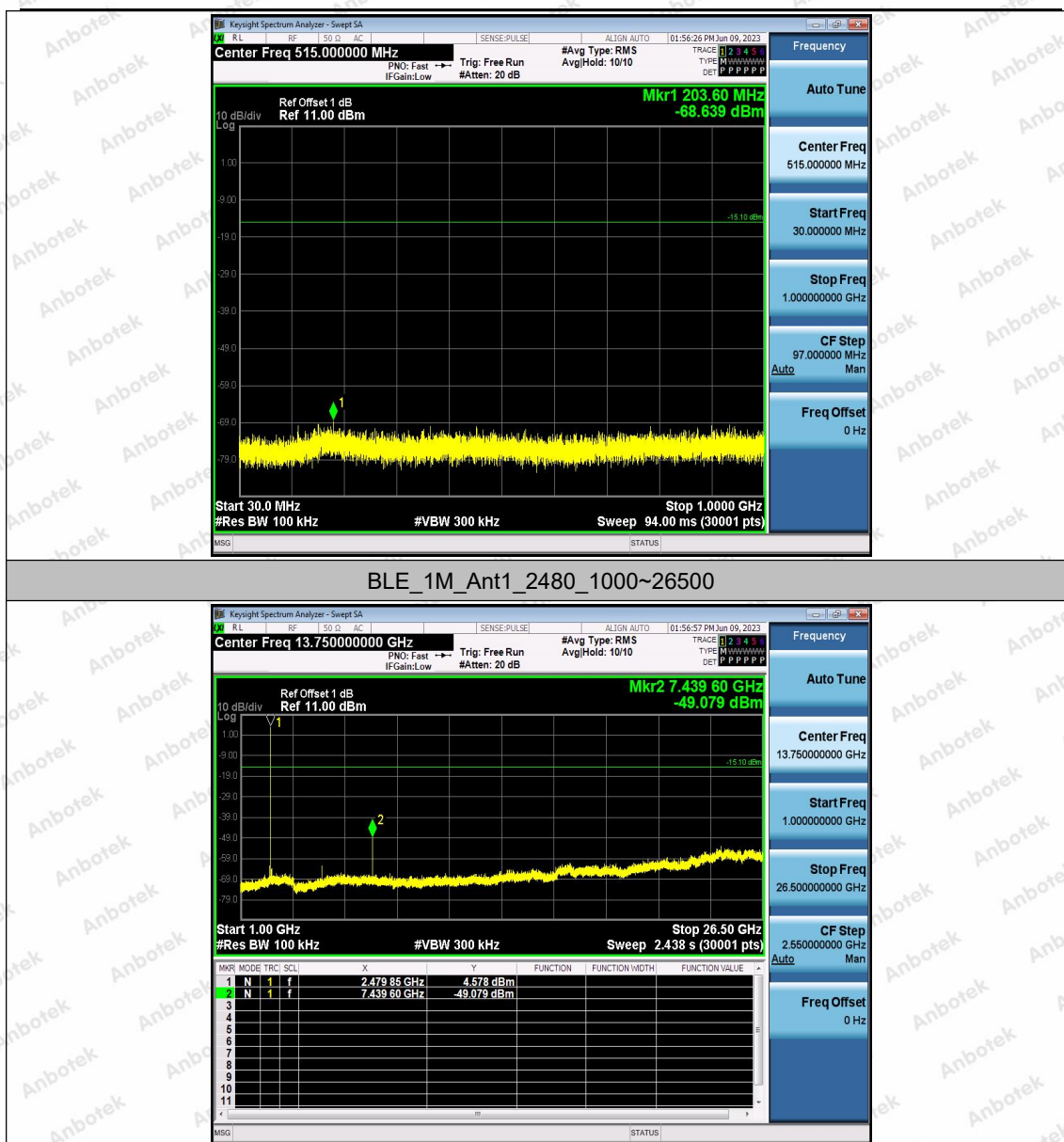
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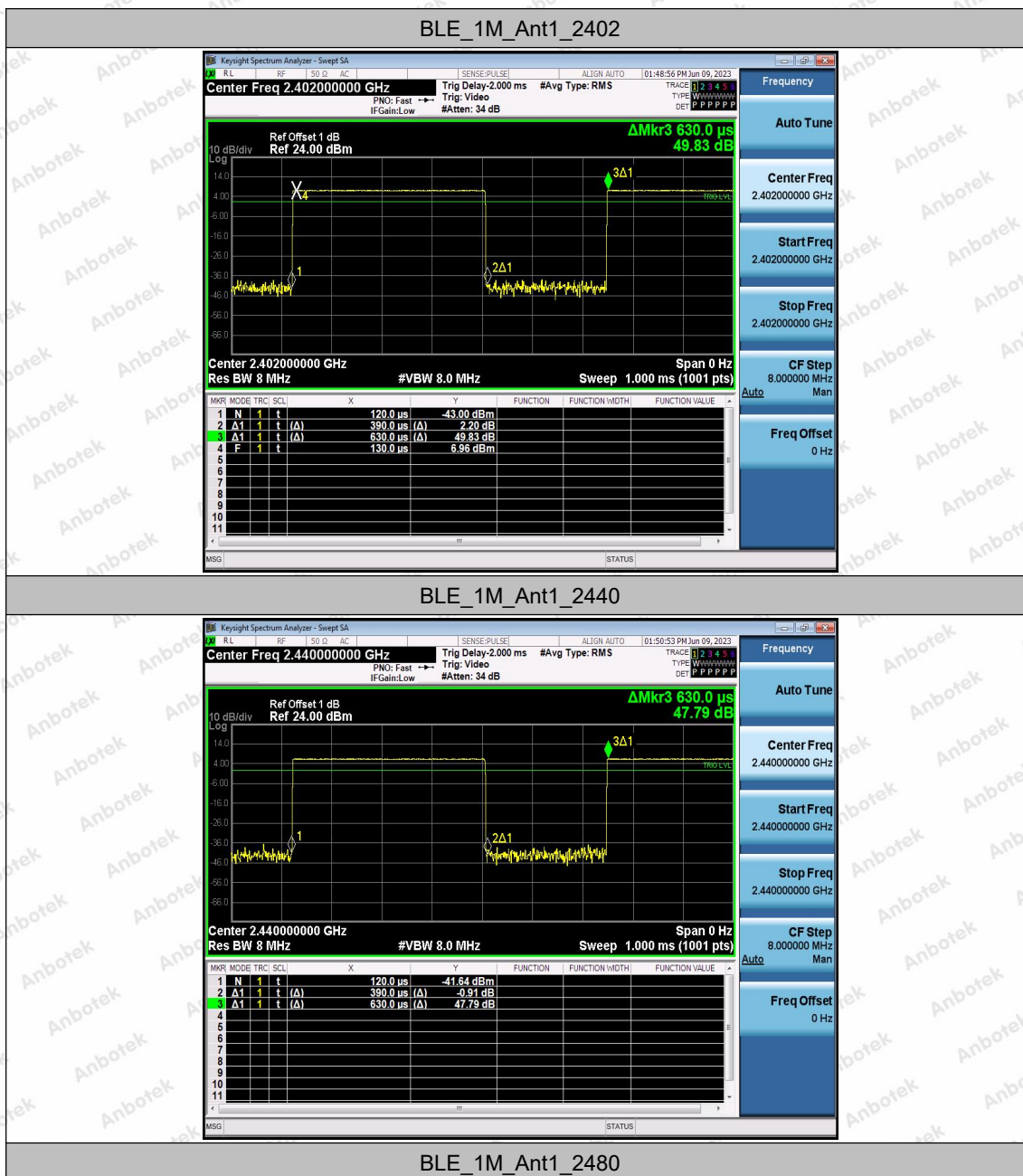
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08



Test Graphs



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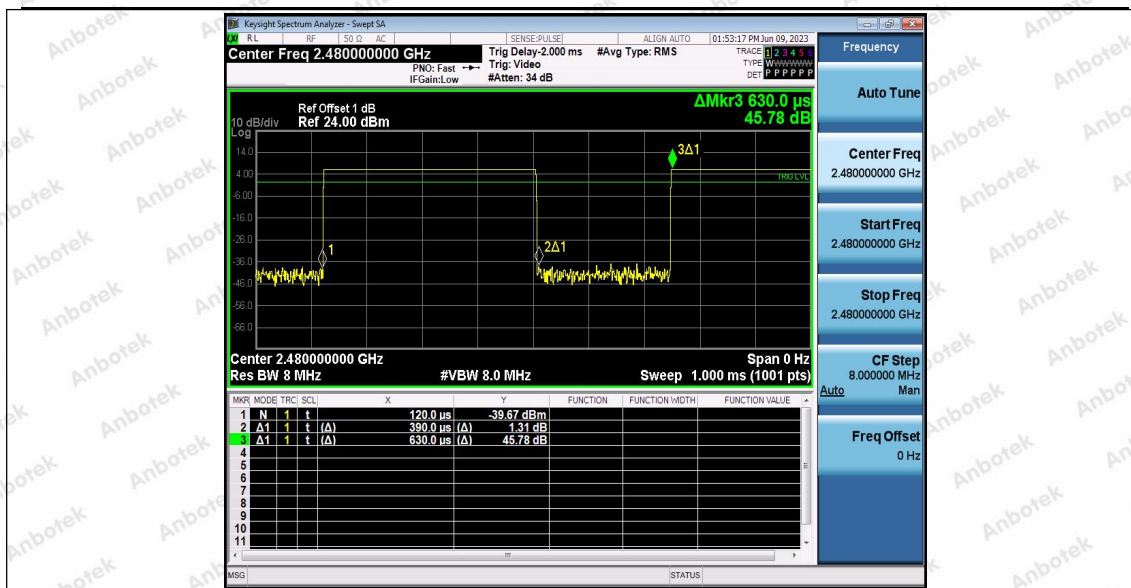


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