

Appendix Test Data

Report No.:	18220WC20218001	Test Sample No.:	1-2-2
Start Test Date:	2022.9.14	Finish Test Date:	2022.9.19
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
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	2401.652	2402.348	0.5	PASS
		2440	0.680	2439.656	2440.336	0.5	PASS
		2480	0.676	2479.660	2480.336	0.5	PASS



Test Graphs



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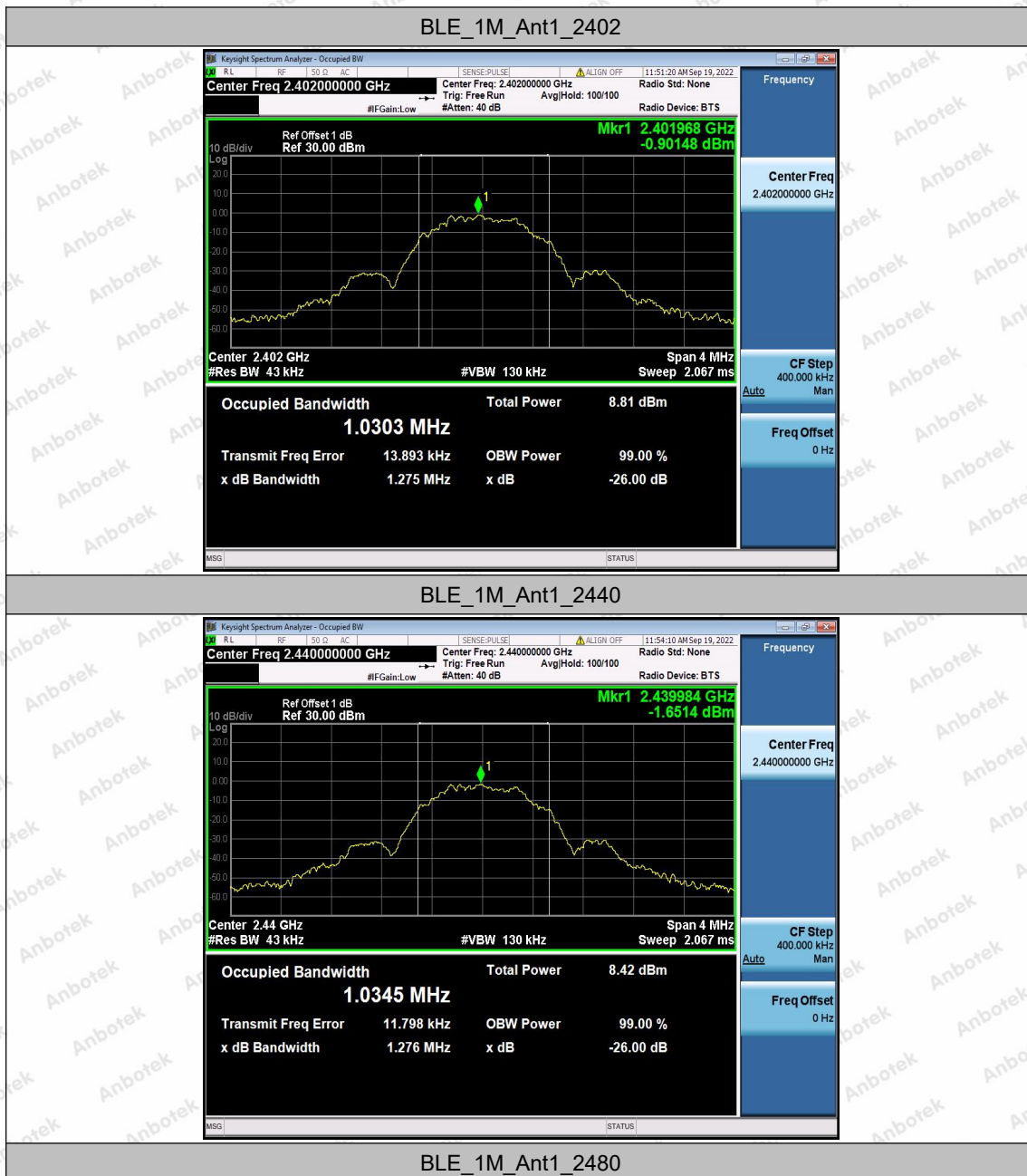
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0303	2401.4987	2402.5290
		2440	1.0345	2439.4946	2440.5291
		2480	1.0321	2479.4965	2480.5286



Test Graphs



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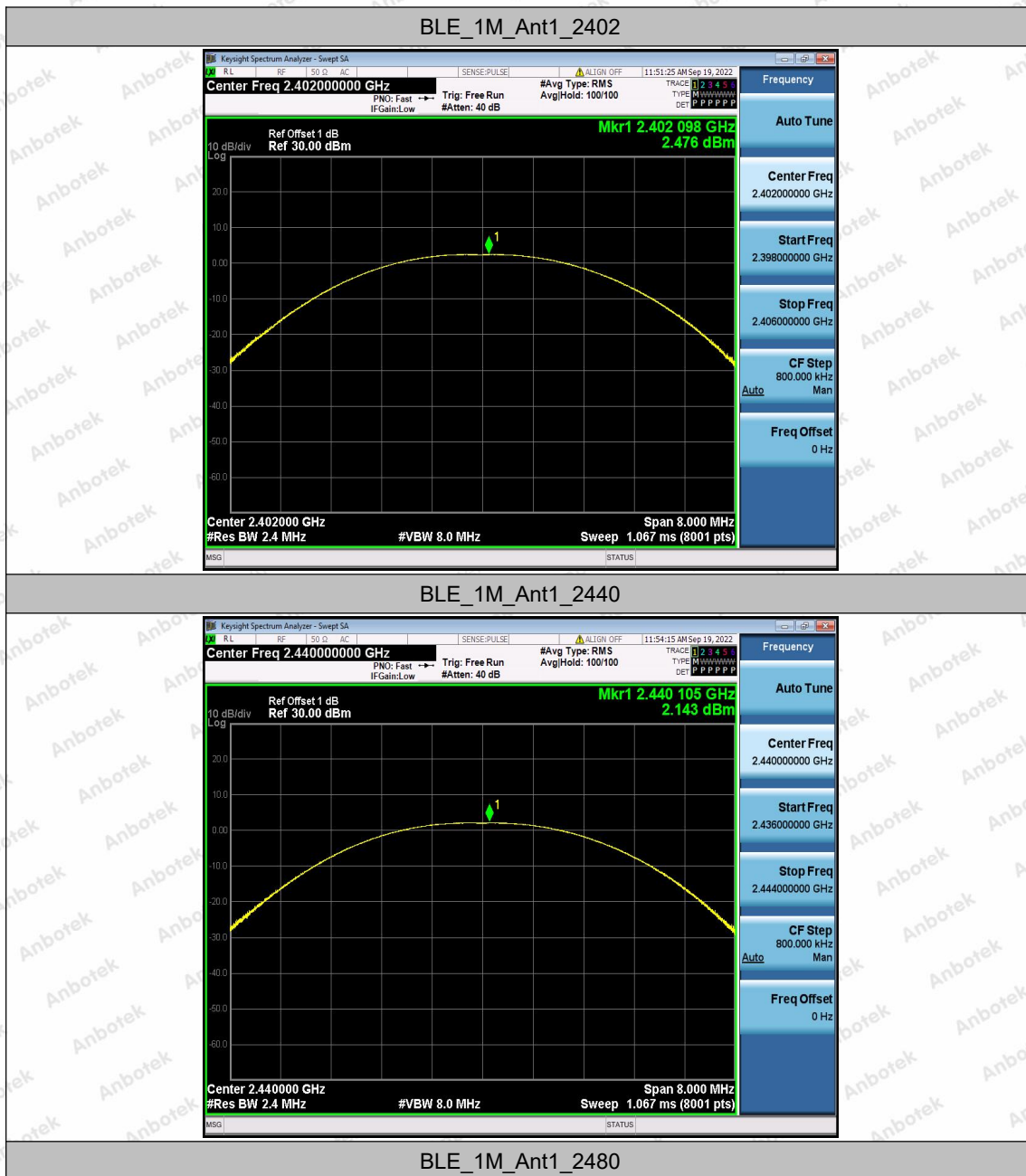
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.48	≤30	PASS
		2440	2.14	≤30	PASS
		2480	1.39	≤30	PASS



Test Graphs Peak



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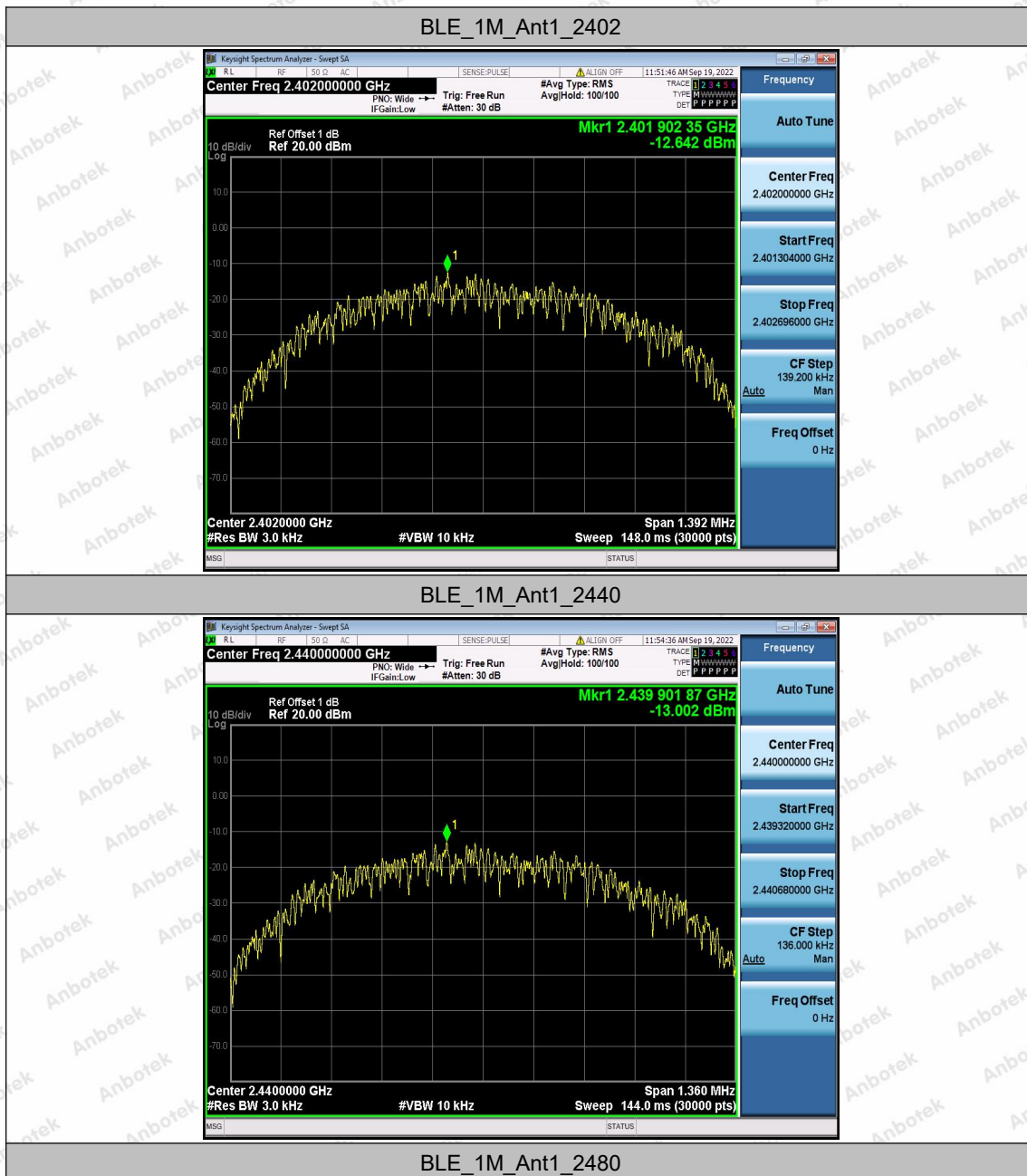
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.64	≤8.00	PASS
		2440	-13	≤8.00	PASS
		2480	-13.49	≤8.00	PASS



Test Graphs



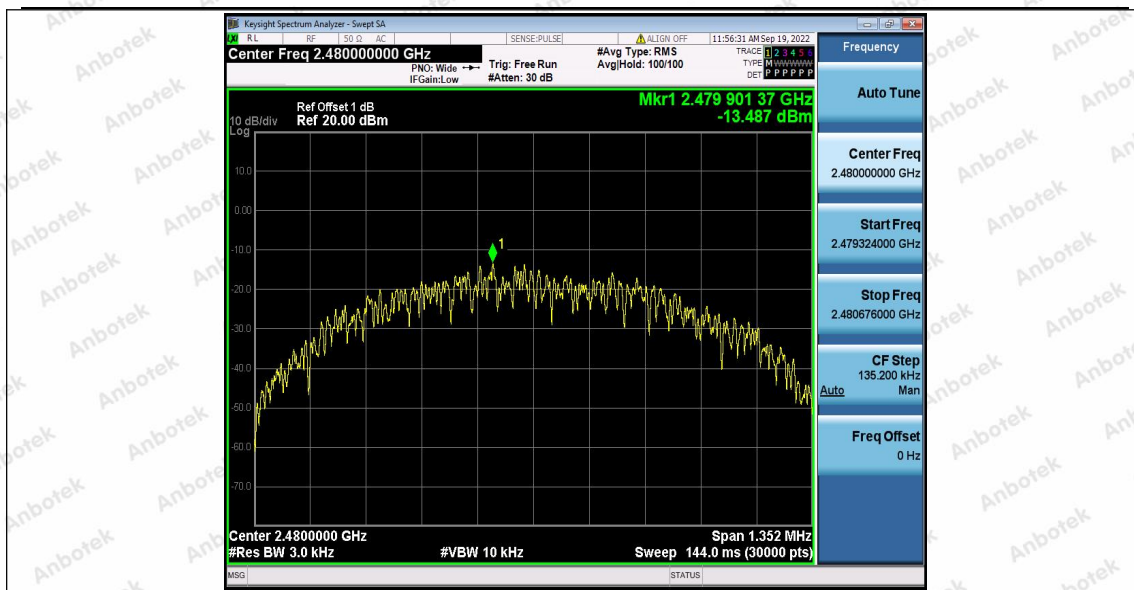
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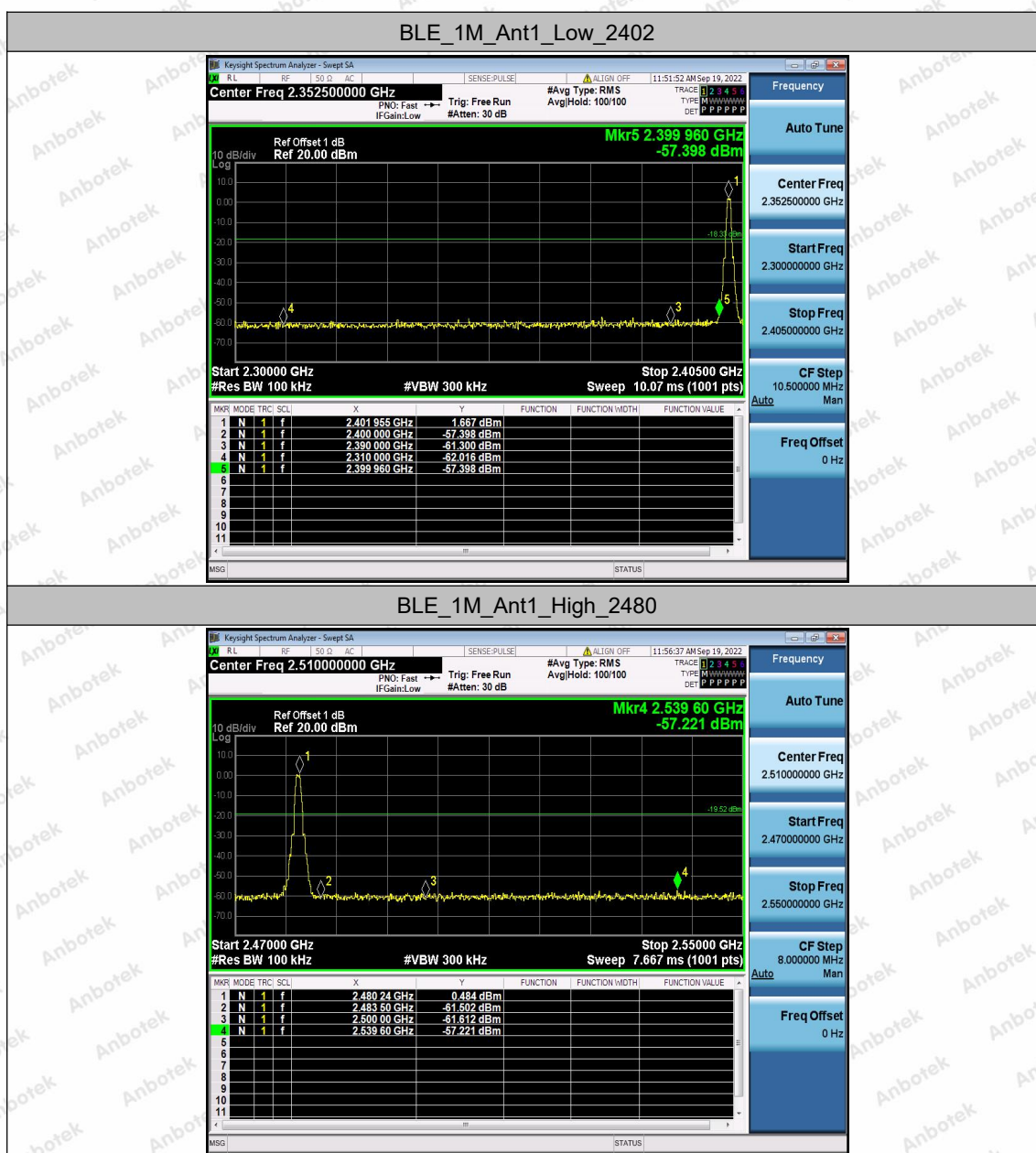


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.67	-57.4	≤-18.33	PASS
		High	2480	0.48	-57.22	≤-19.52	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.39	1.39	---	PASS
			30~1000	1.39	-68.96	≤-28.61	PASS
			1000~26500	1.39	-53.52	≤-28.61	PASS
		2440	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-69.74	≤-28.96	PASS
			1000~26500	1.04	-53.83	≤-28.96	PASS
		2480	Reference	0.25	0.25	---	PASS
			30~1000	0.25	-69.45	≤-29.75	PASS
			1000~26500	0.25	-53.45	≤-29.75	PASS

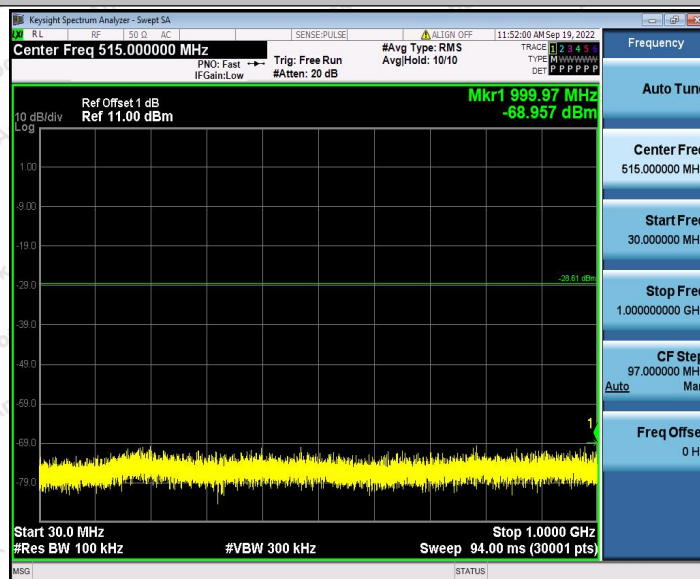


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

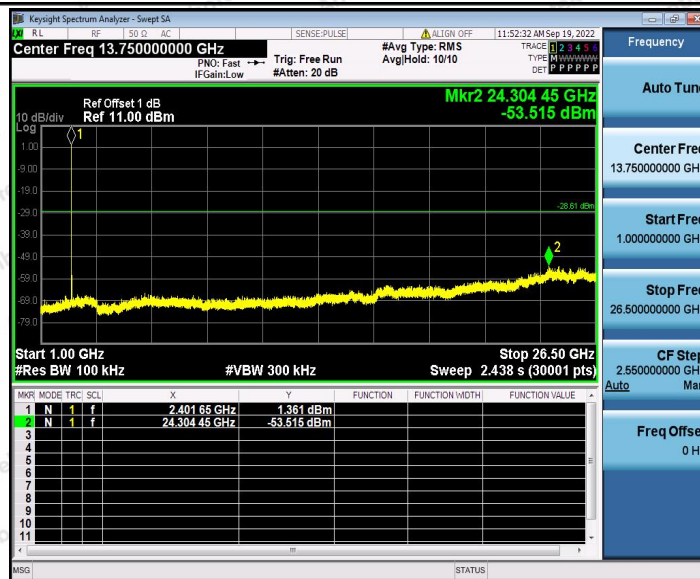
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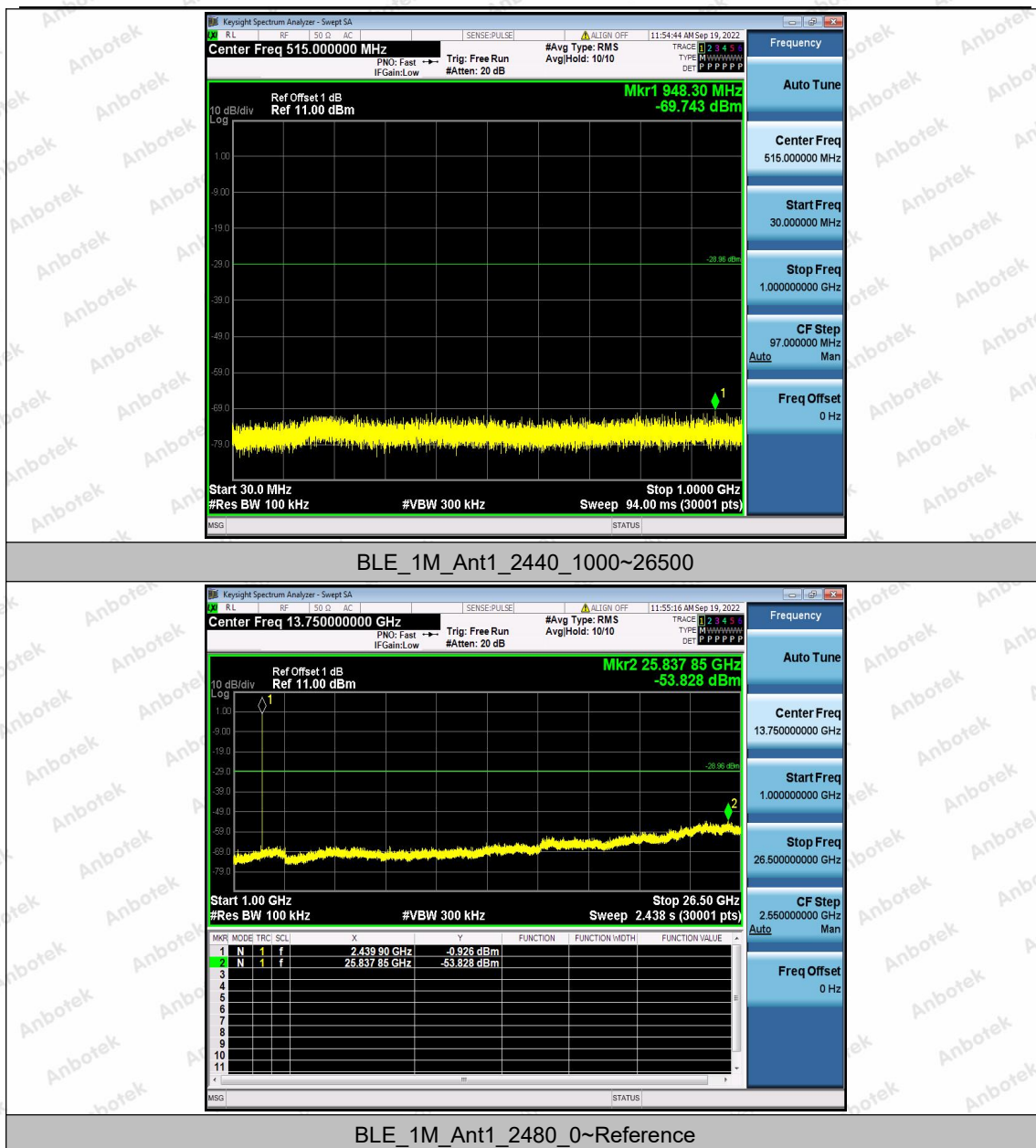


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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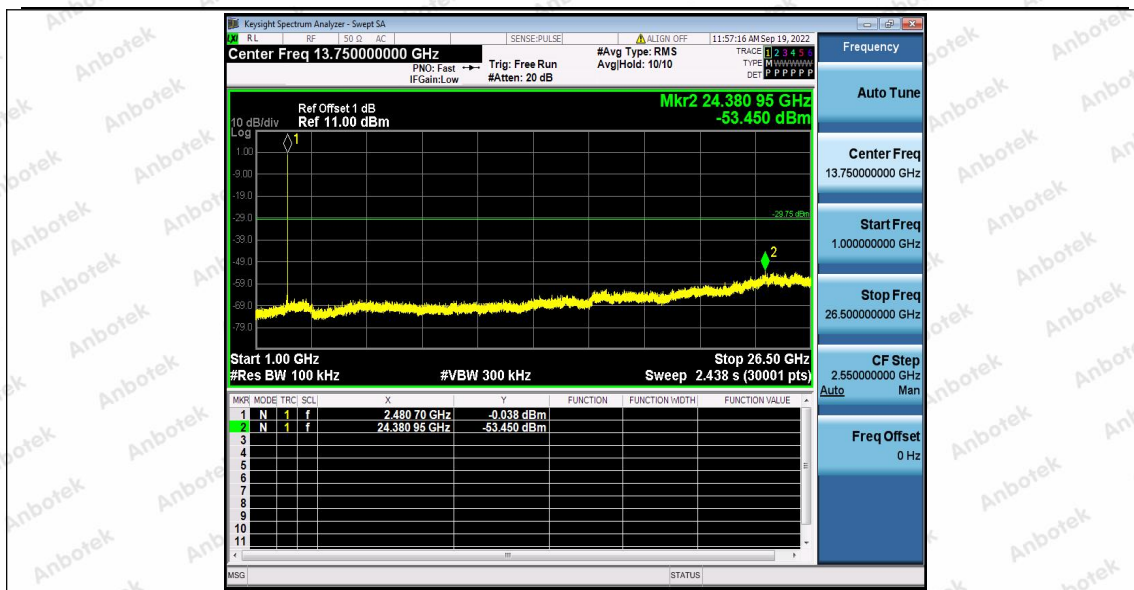
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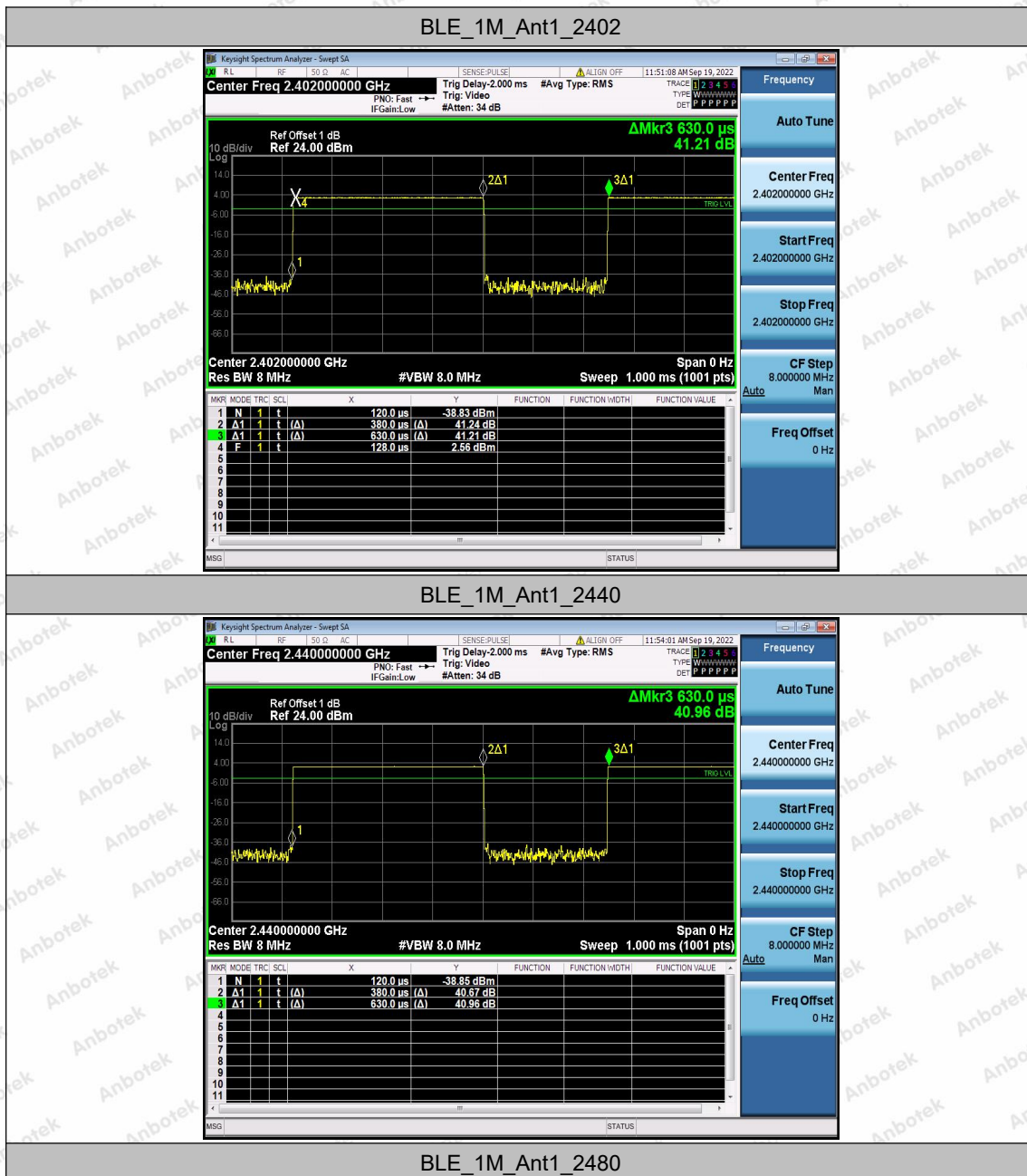
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	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



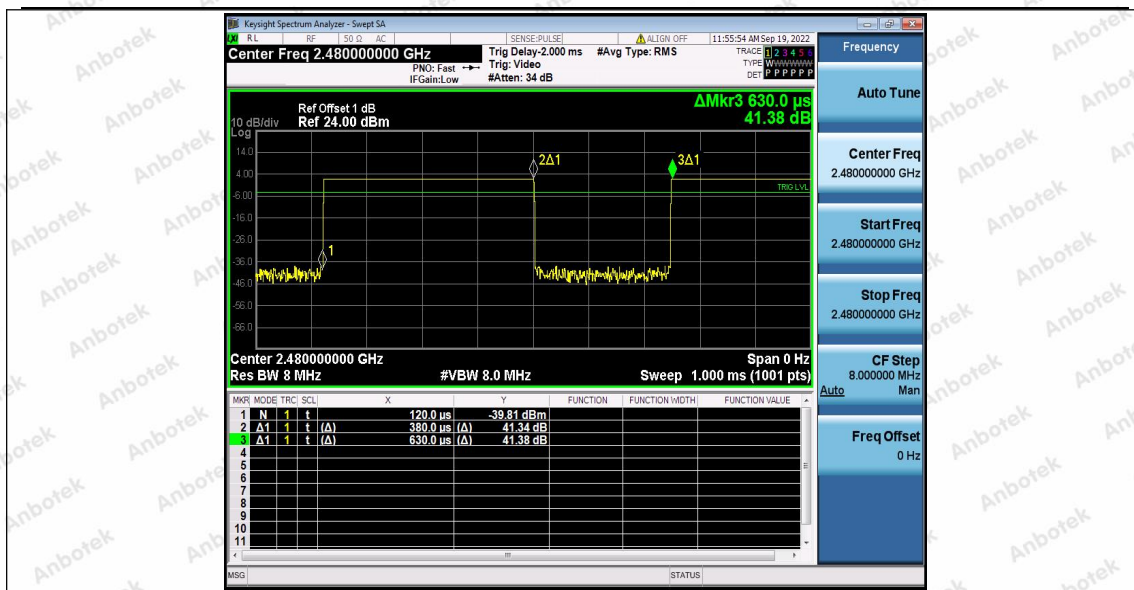
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