

Appendix Test Data

Report No.:	18220WC30162801	Test Sample No.:	1-2-2
Start Test Date:	2023.08.03	Finish Test Date:	2023.08.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4°C	Relative Humidity:	48%
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	0.700	2401.580	2402.280	0.5	PASS
		2440	0.684	2439.592	2440.276	0.5	PASS
		2480	0.672	2479.604	2480.276	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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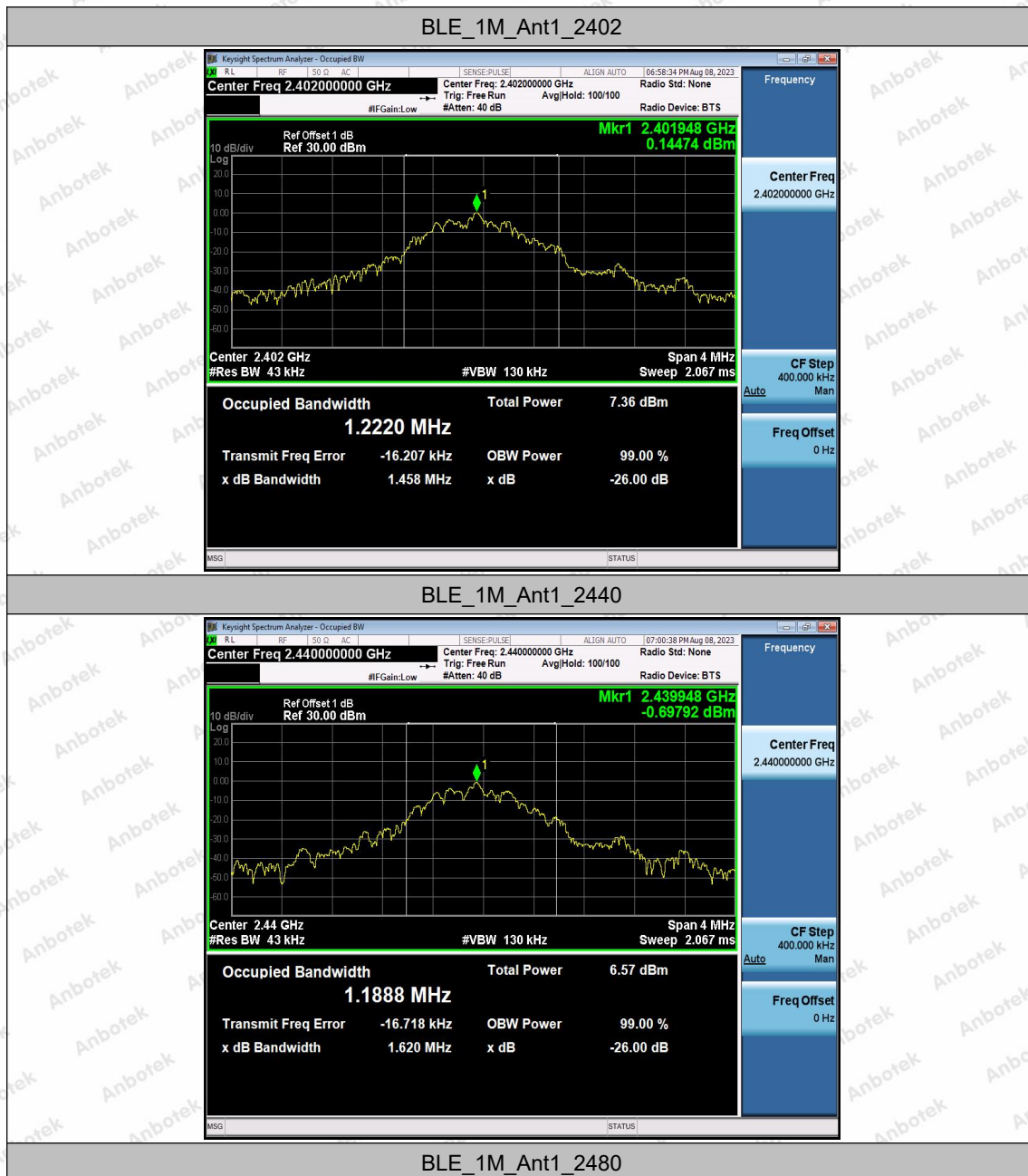
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.2220	2401.3728	2402.5948
		2440	1.1888	2439.3889	2440.5777
		2480	1.0789	2479.4277	2480.5066



Test Graphs



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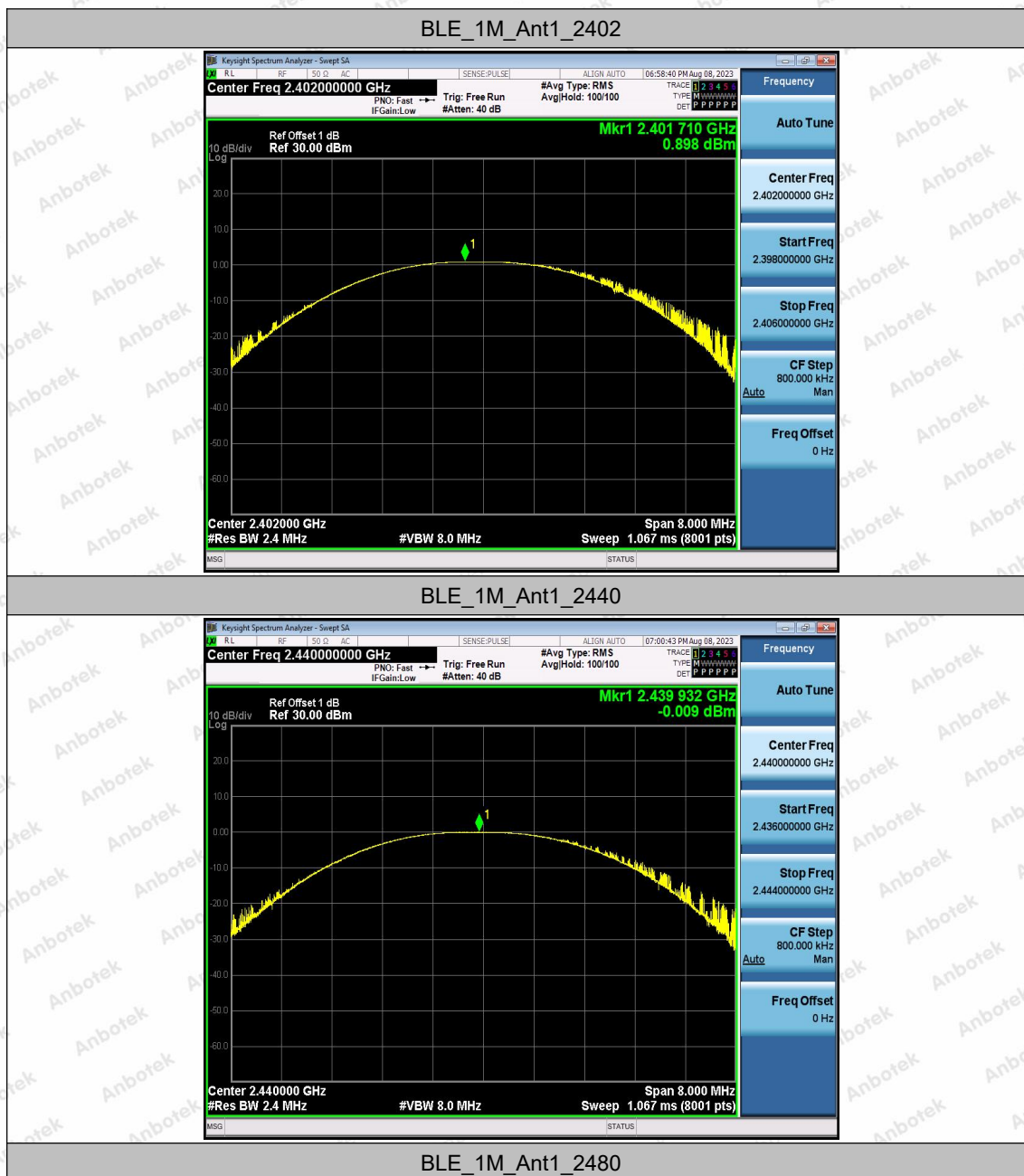
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.90	≤30	PASS
		2440	-0.01	≤30	PASS
		2480	-1.39	≤30	PASS



Test Graphs Peak



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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.30	≤8.00	PASS
		2440	-13.12	≤8.00	PASS
		2480	-15.67	≤8.00	PASS



Test Graphs



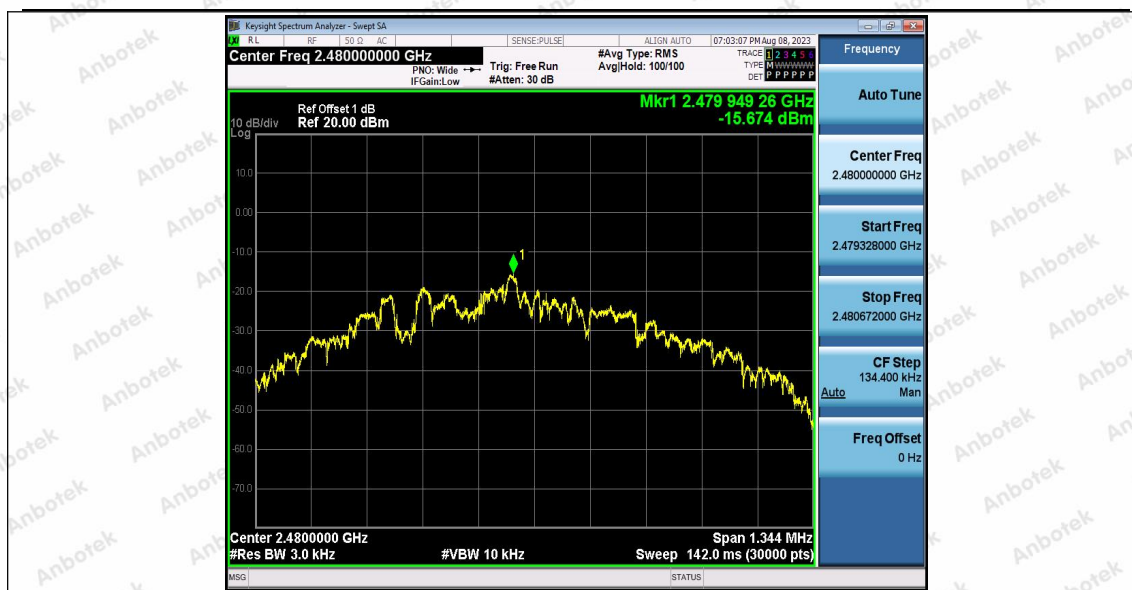
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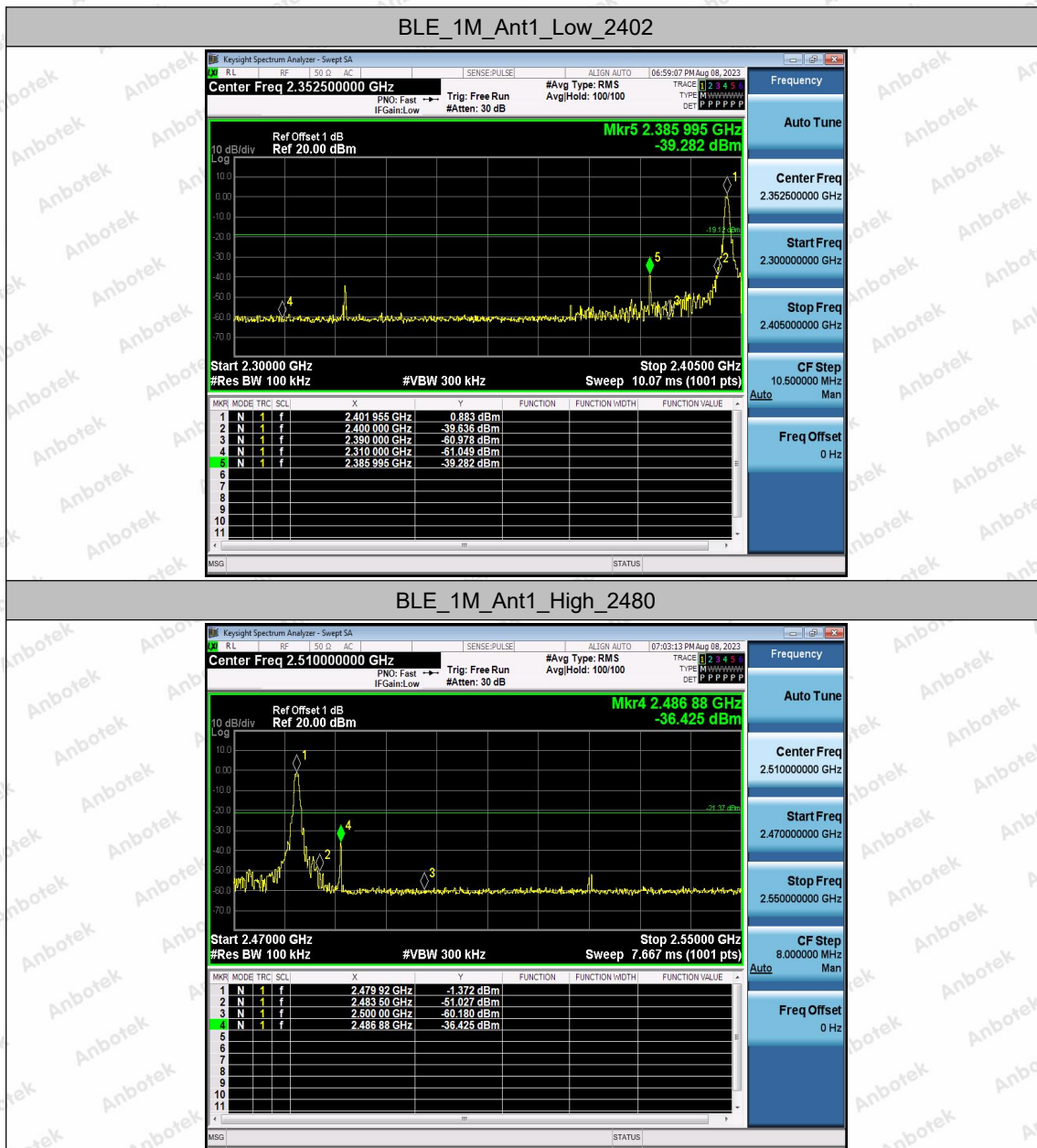
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.88	-39.28	≤-19.12	PASS
		High	2480	-1.37	-36.43	≤-21.37	PASS



Test Graphs



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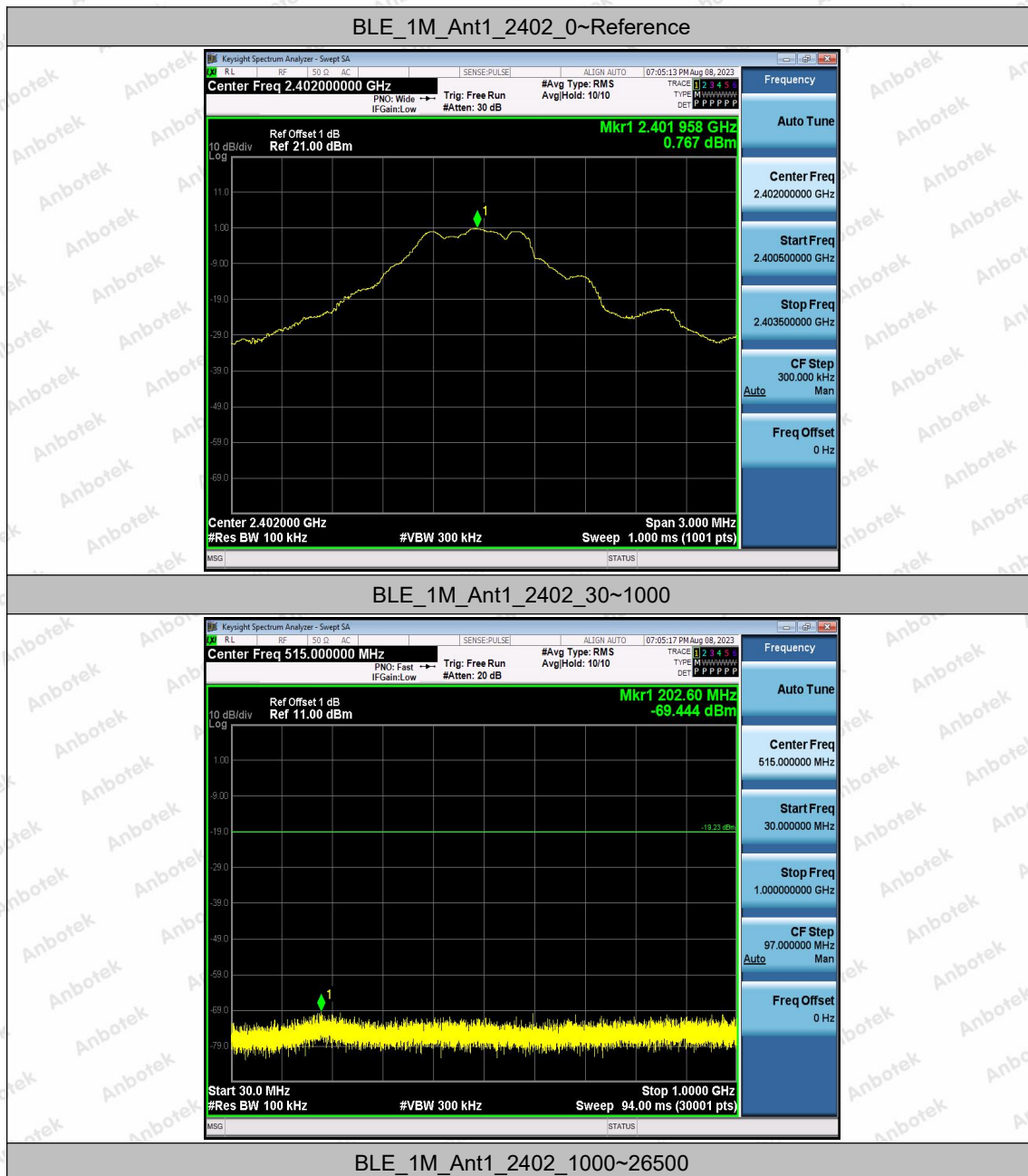
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-69.44	≤-19.23	PASS
			1000~26500	0.77	-26.02	≤-19.23	PASS
		2440	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-69.21	≤-20.18	PASS
			1000~26500	-0.18	-32.72	≤-20.18	PASS
		2480	Reference	-1.56	-1.56	---	PASS
			30~1000	-1.56	-68.56	≤-21.56	PASS
			1000~26500	-1.56	-33.55	≤-21.56	PASS



Test Graphs



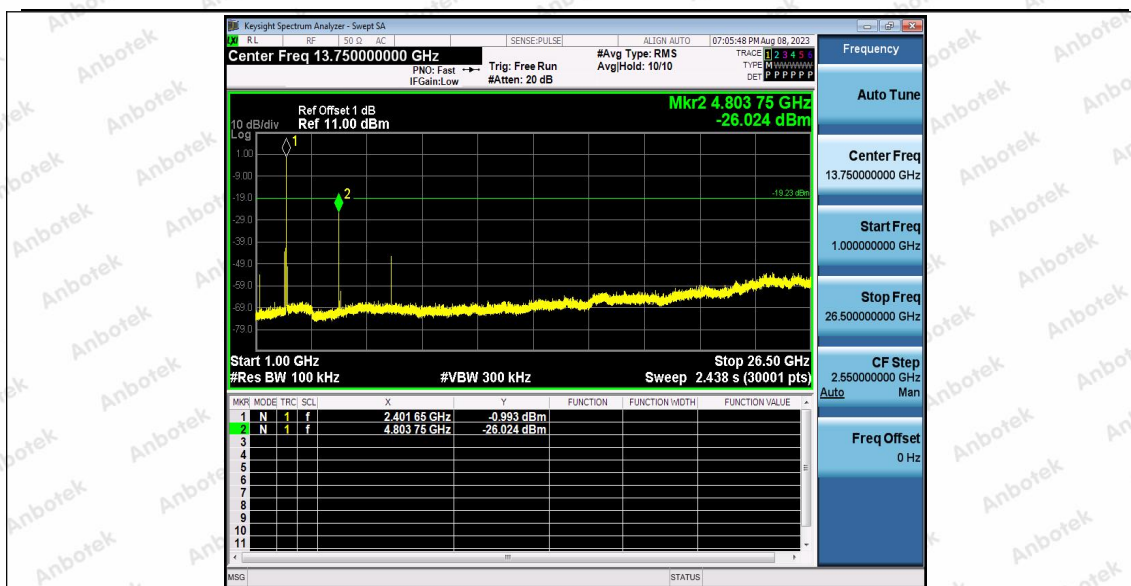
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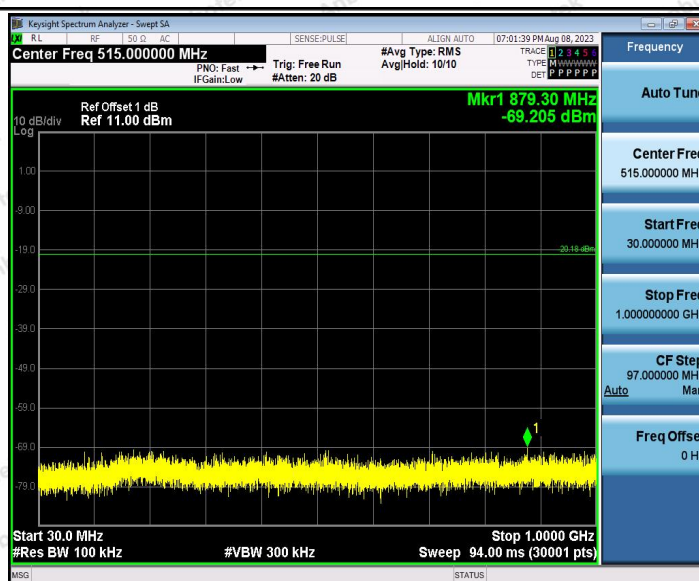


BLE_1M_Ant1_2440_0~Reference

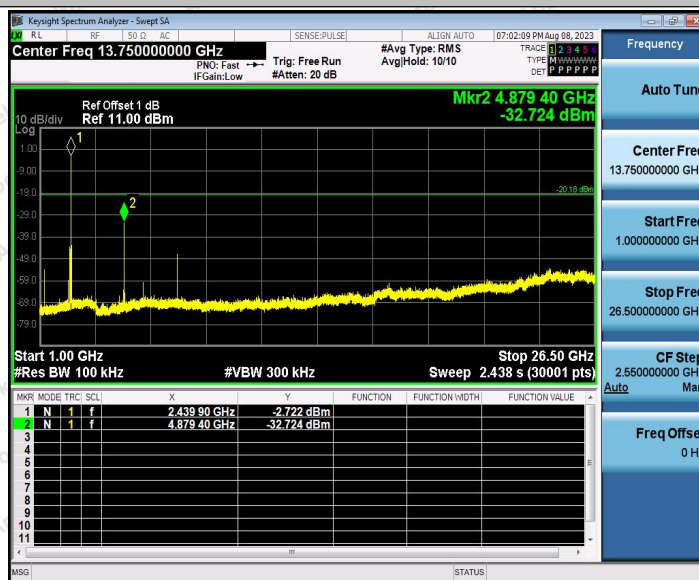


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

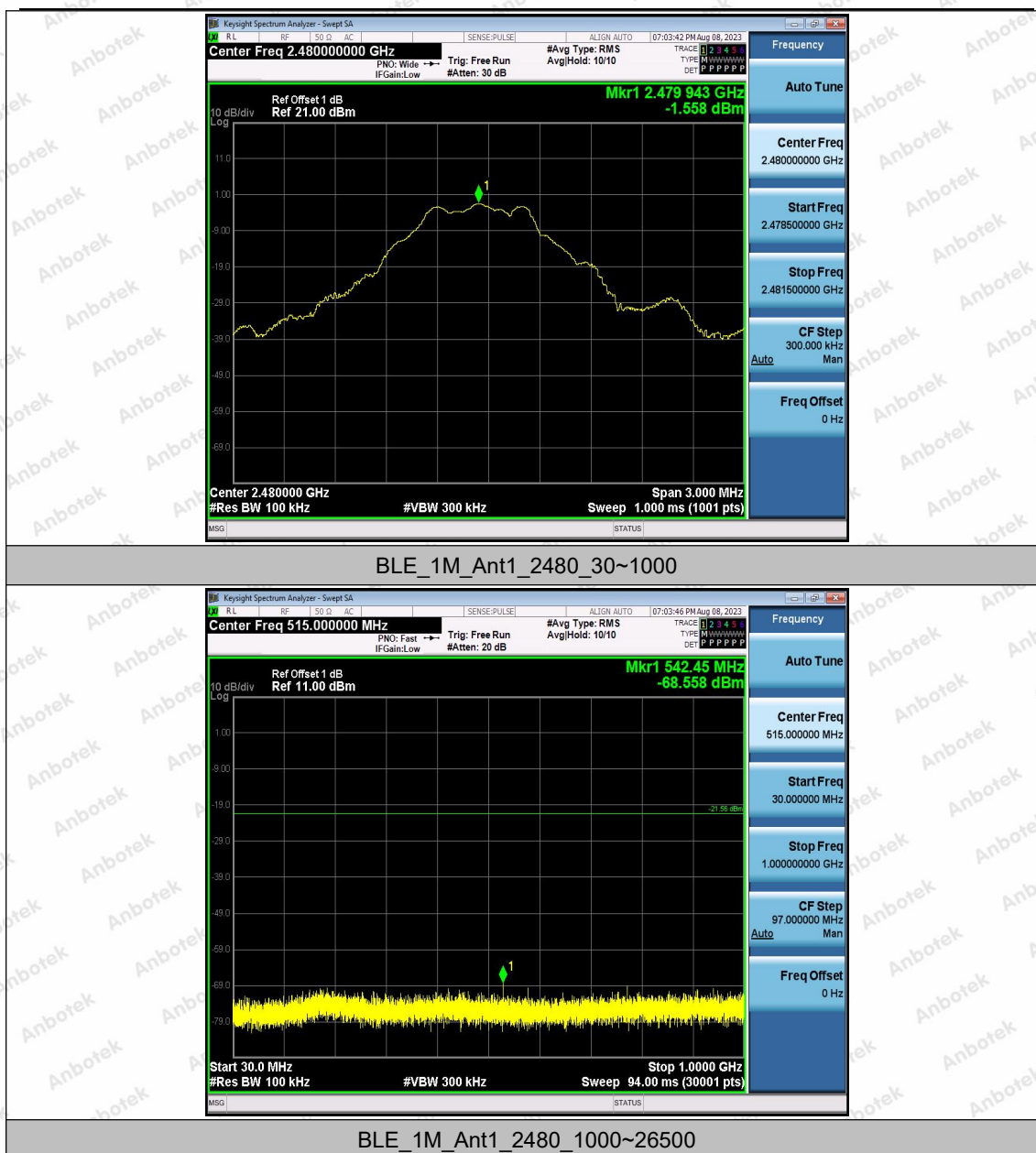
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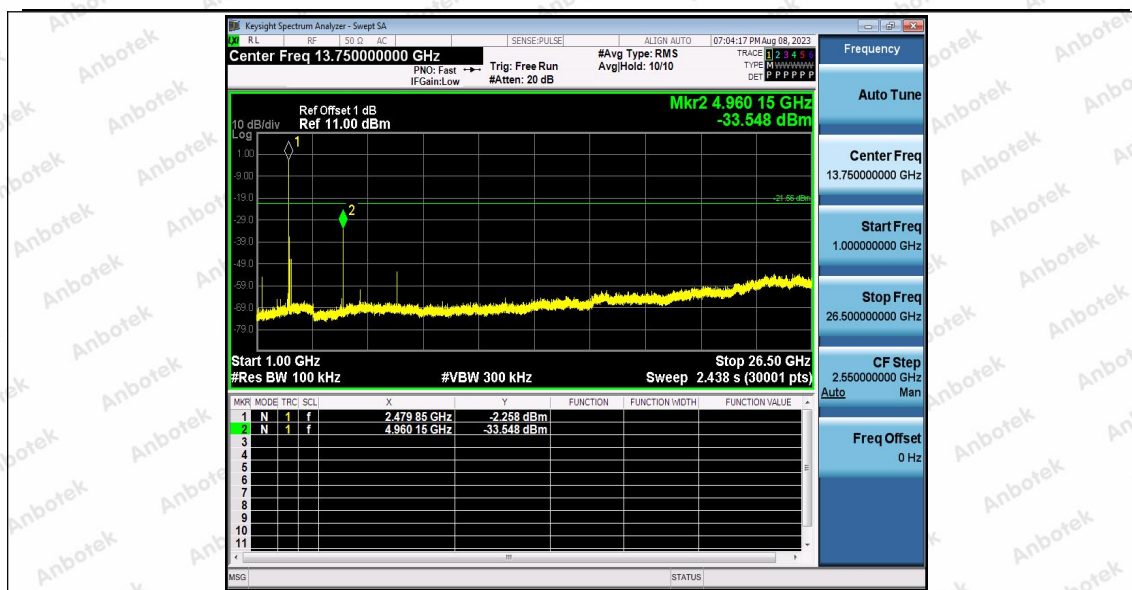
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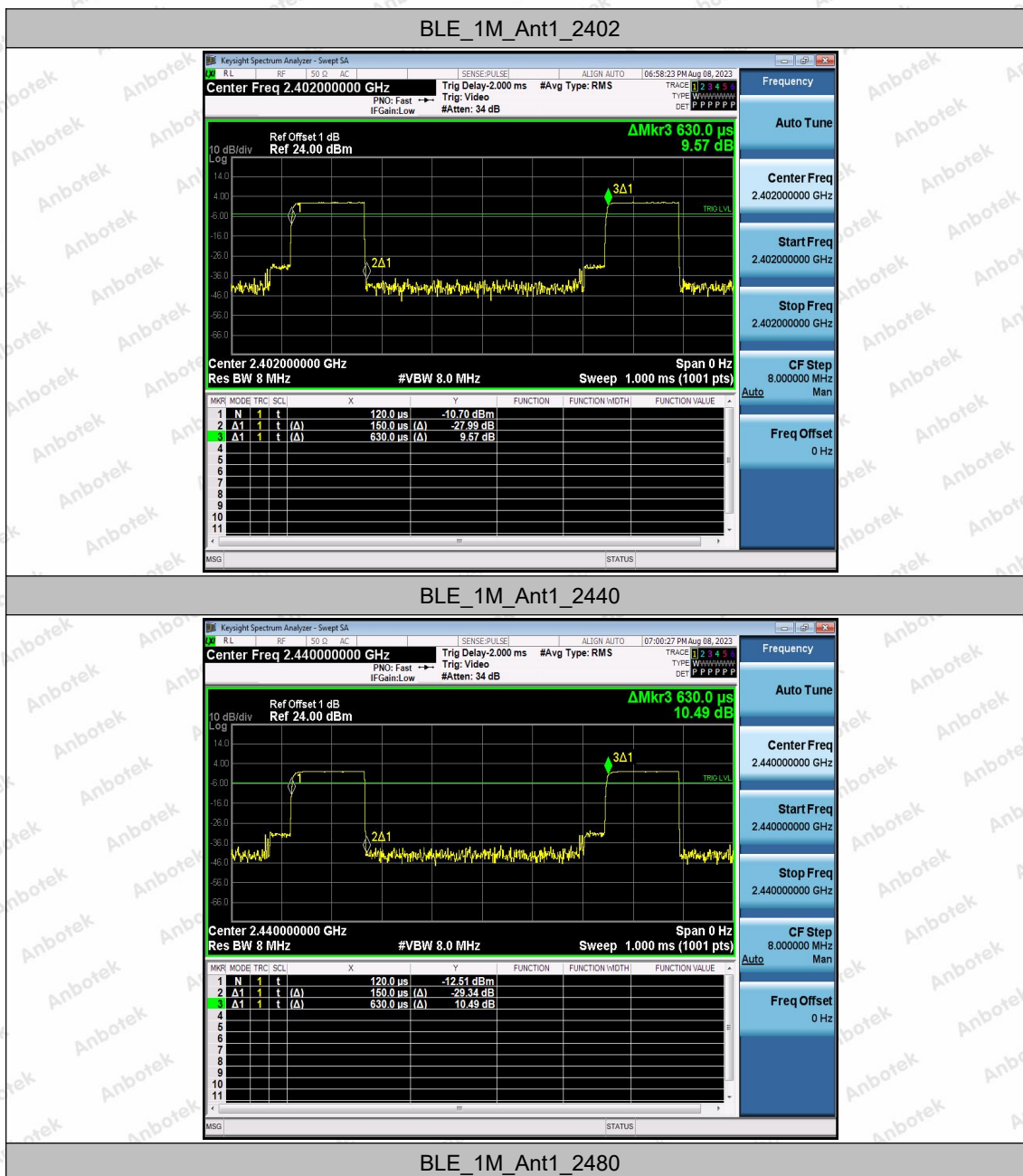
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.15	0.63	23.81	6.23
		2440	0.15	0.63	23.81	6.23
		2480	0.15	0.63	23.81	6.23



Test Graphs



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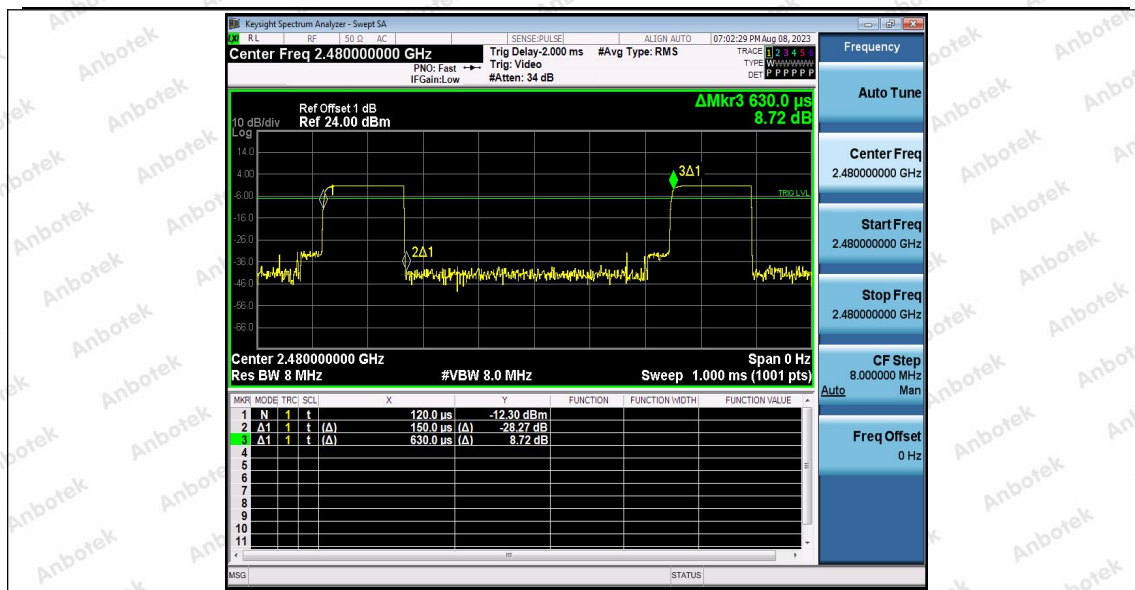


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