

Appendix Test Data

Report No.:	18220WC20293902	Test Sample No.:	1-2-2
Start Test Date:	2023.1.4	Finish Test Date:	2023.1.4
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	41 %
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	0.692	2401.660	2402.352	0.5	PASS
		2440	0.668	2439.672	2440.340	0.5	PASS
		2480	0.704	2479.648	2480.352	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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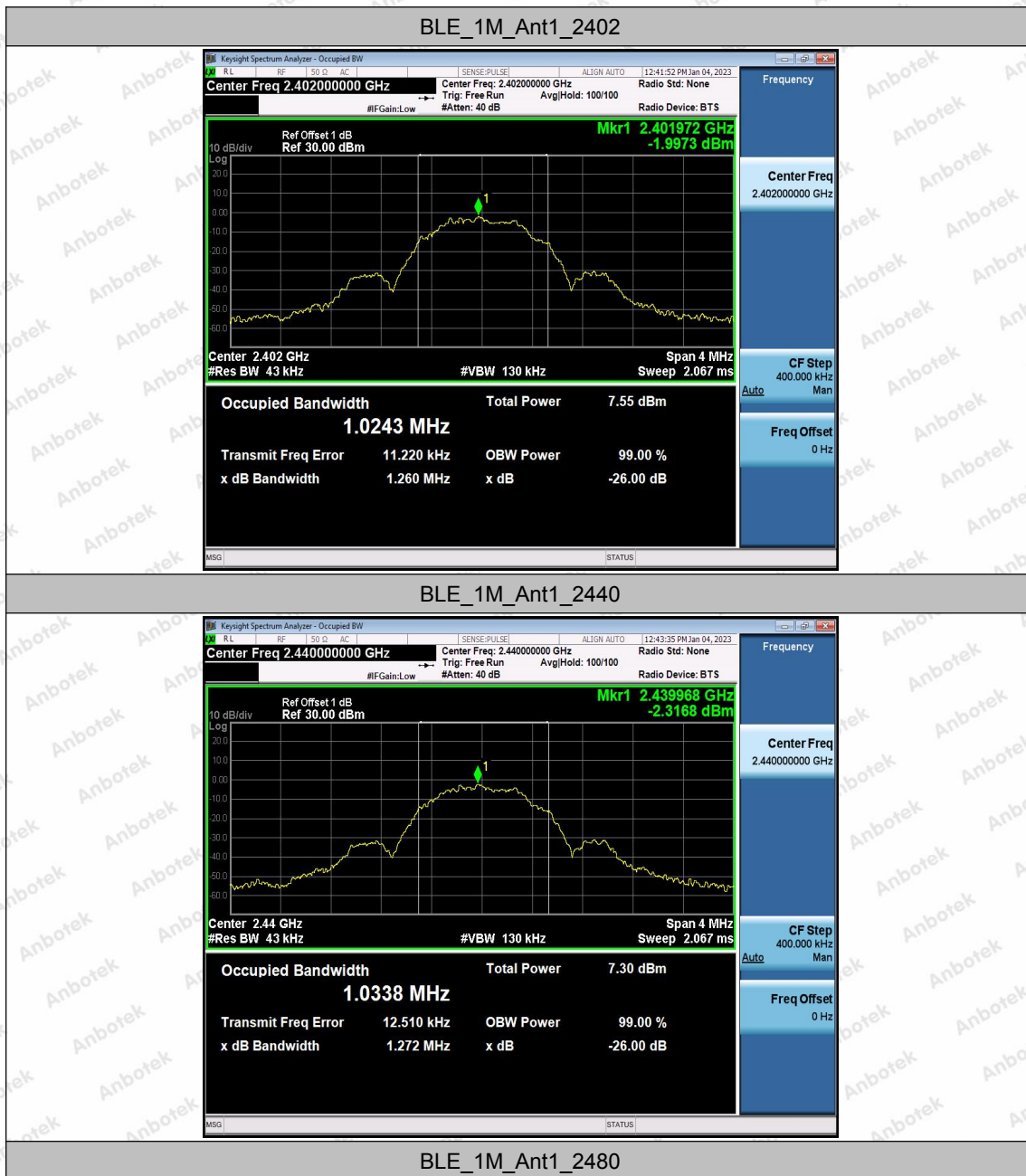
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0243	2401.4991	2402.5234
		2440	1.0338	2439.4956	2440.5294
		2480	1.0246	2479.4945	2480.5191



Test Graphs



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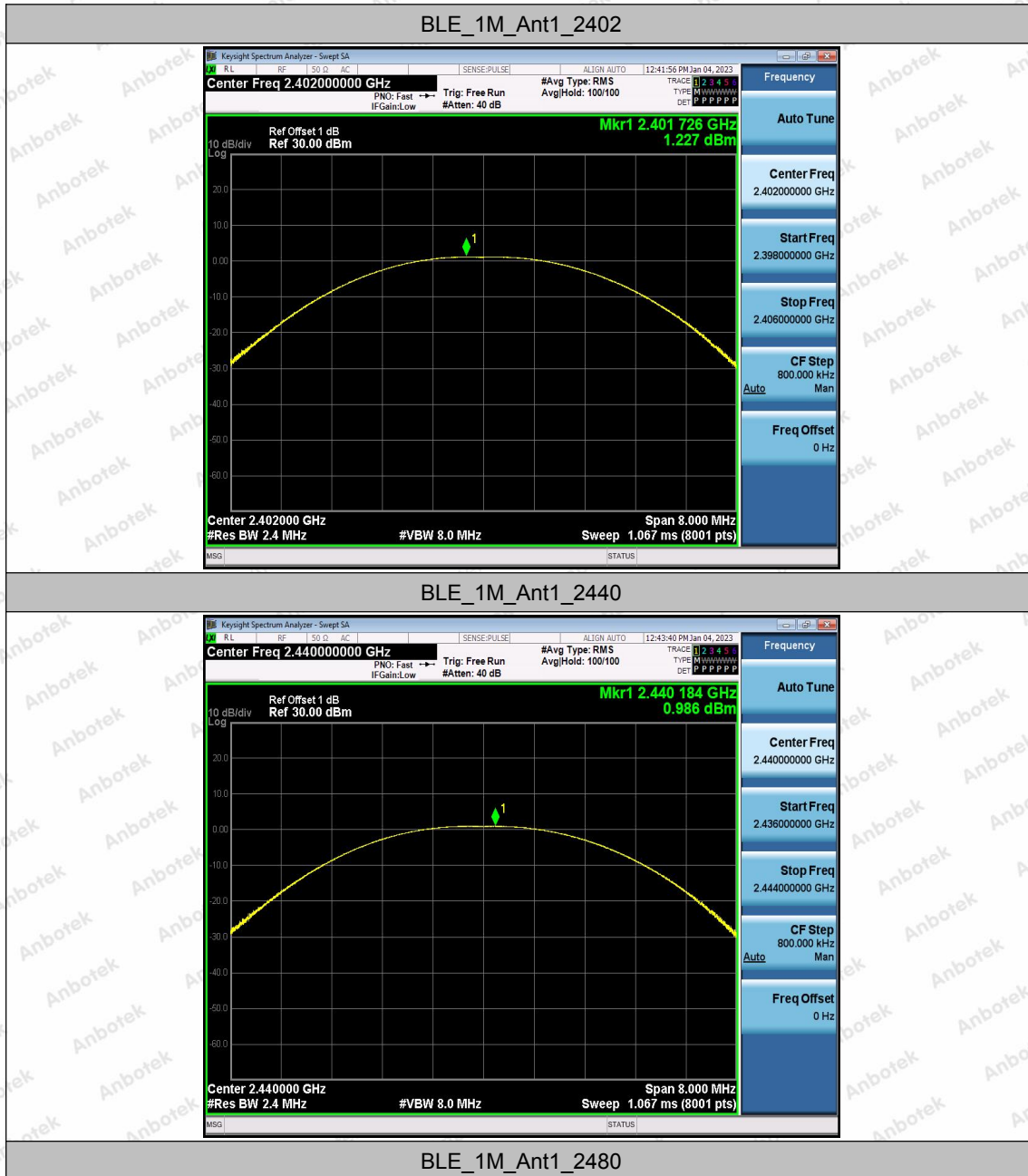
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.23	≤30	PASS
		2440	0.99	≤30	PASS
		2480	-0.08	≤30	PASS



Test Graphs Peak



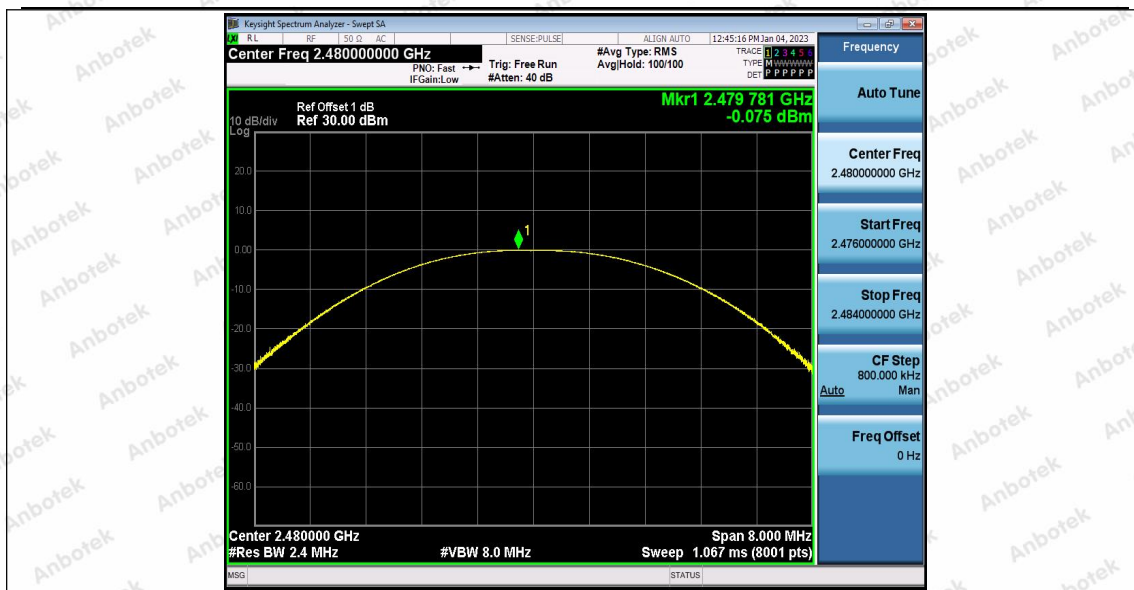
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Appendix D: Maximum power spectral density

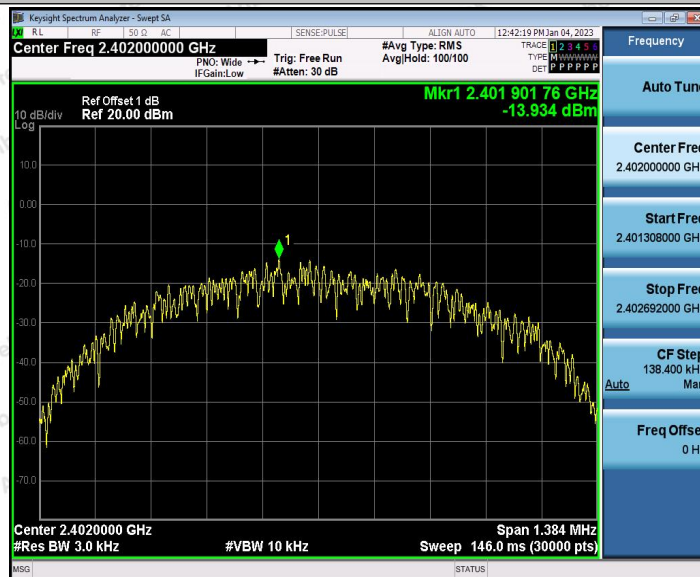
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.93	≤8.00	PASS
		2440	-14.14	≤8.00	PASS
		2480	-14.98	≤8.00	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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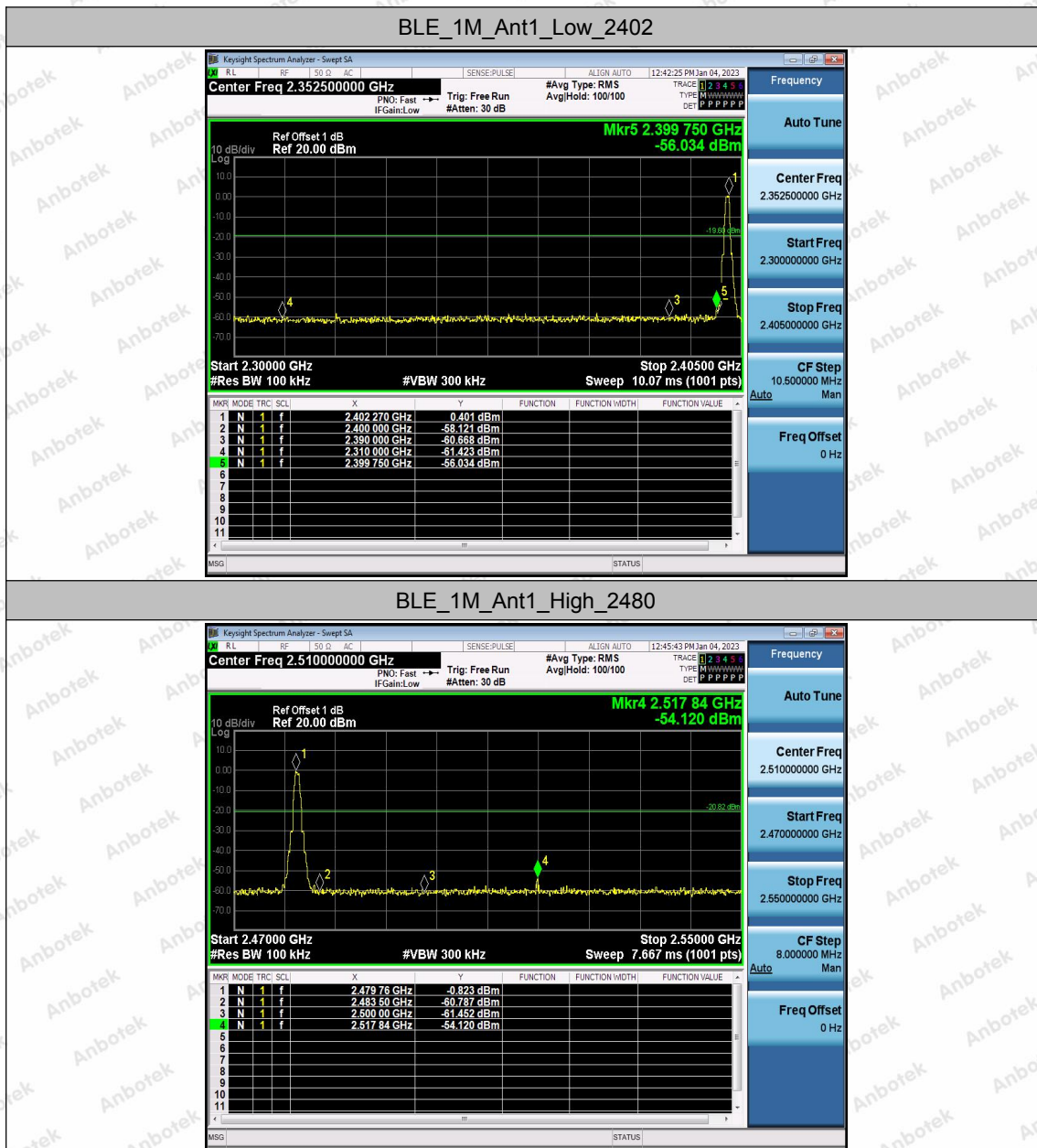
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.40	-56.03	≤-19.6	PASS
		High	2480	-0.82	-54.12	≤-20.82	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	0.01	0.01	---	PASS
			30~1000	0.01	-68.4	≤-19.99	PASS
			1000~26500	0.01	-53.4	≤-19.99	PASS
		2440	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-68.9	≤-20.52	PASS
			1000~26500	-0.52	-53.35	≤-20.52	PASS
		2480	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-68.3	≤-21.5	PASS
			1000~26500	-1.50	-53.34	≤-21.5	PASS

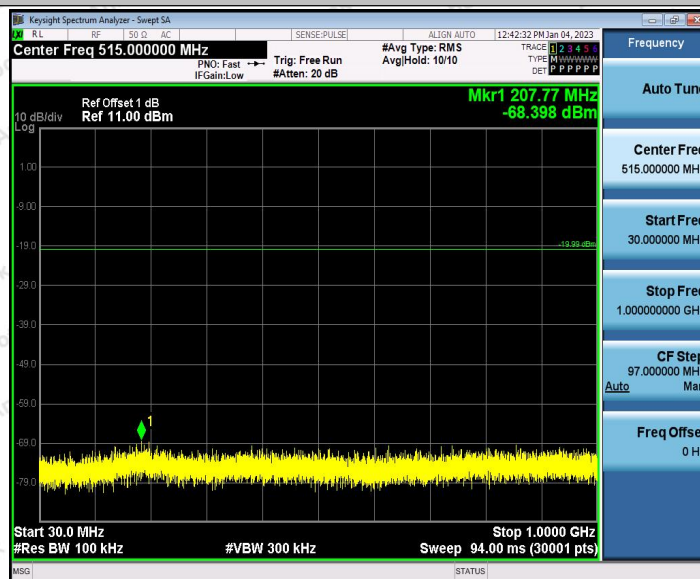


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

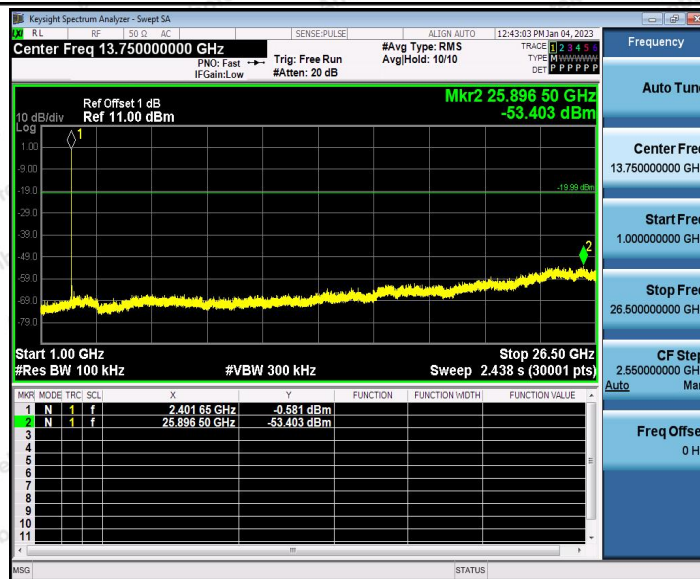
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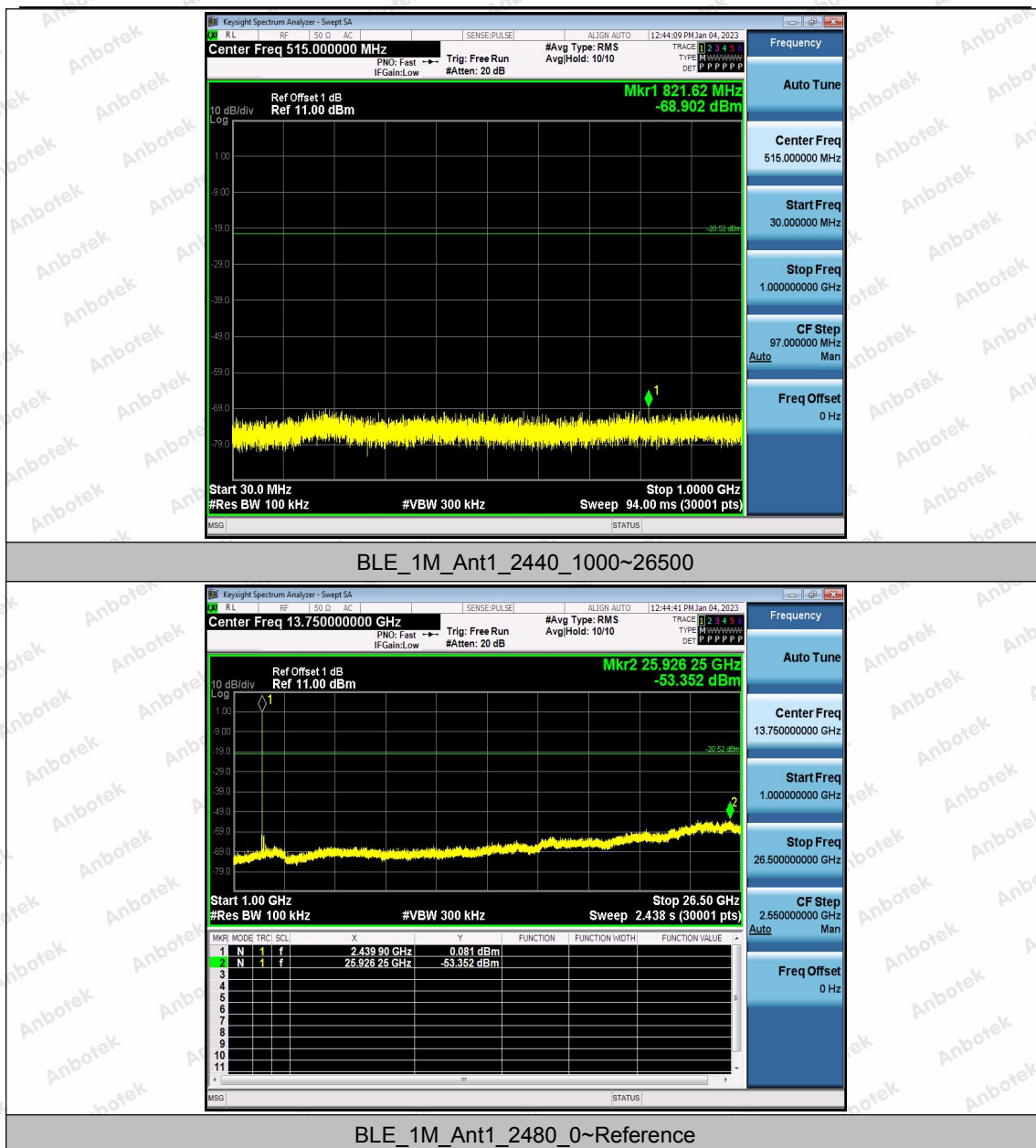


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





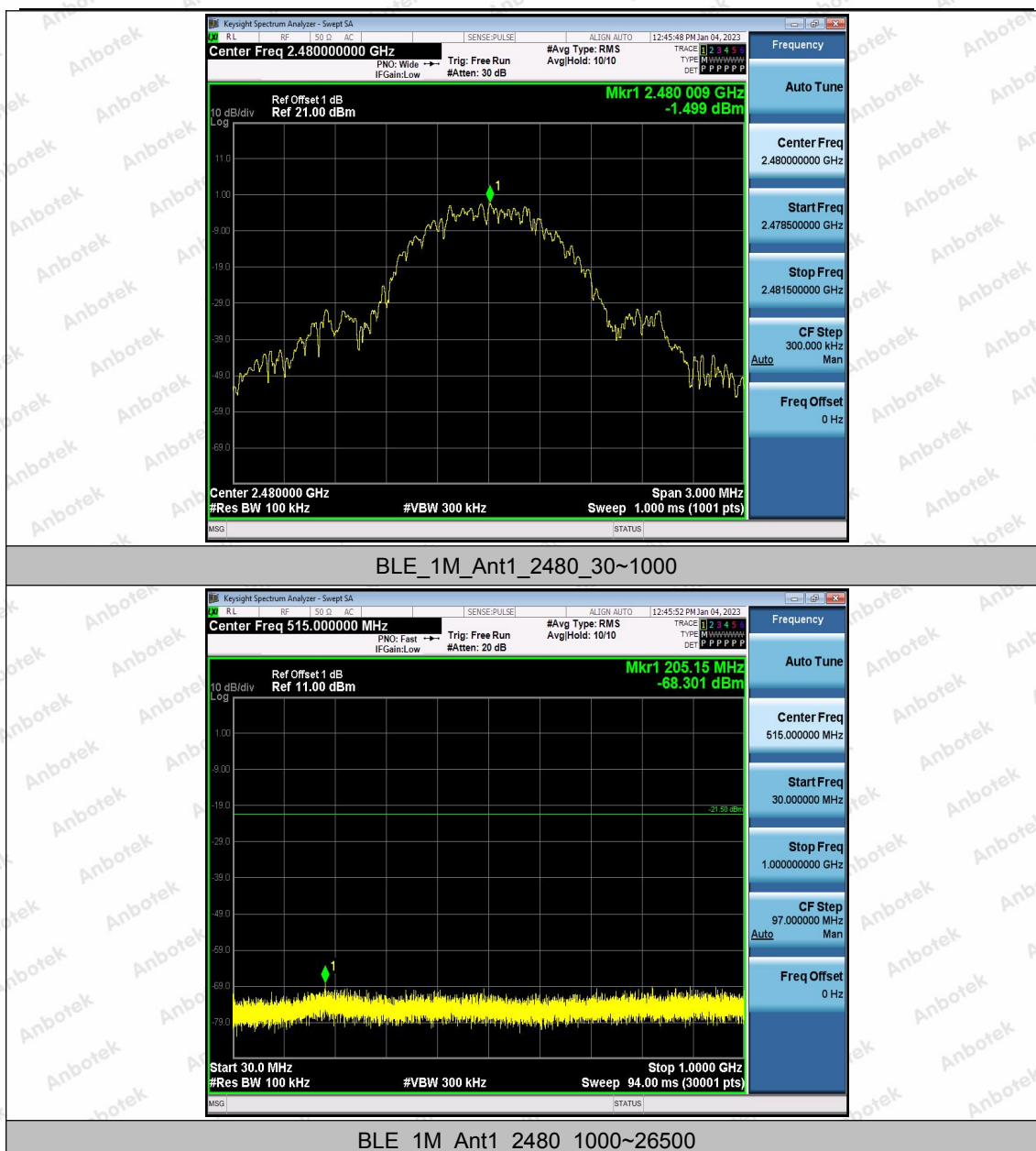
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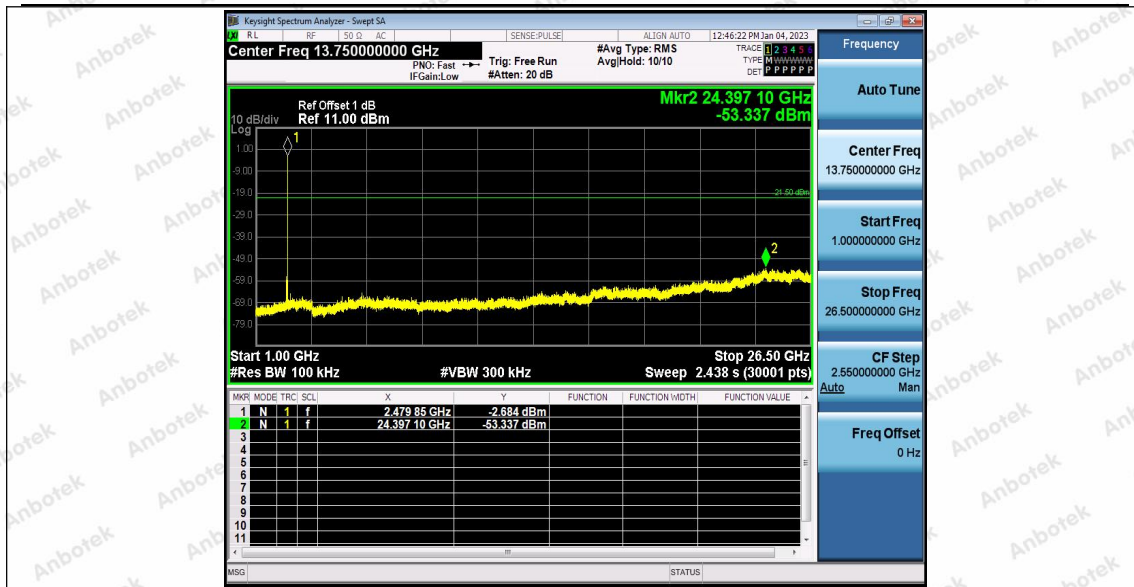
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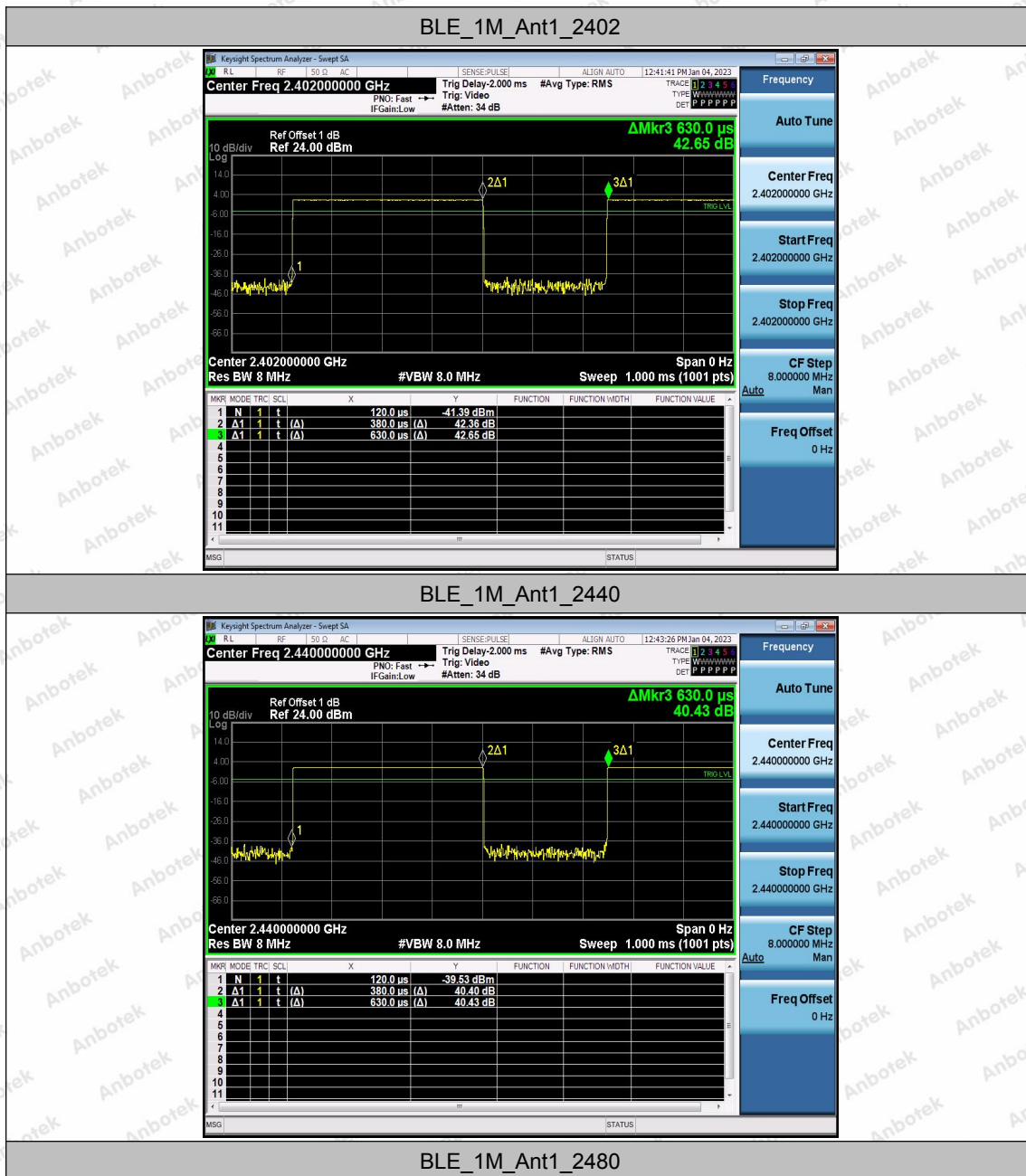
Appendix G: Duty Cycle

Test Result

TestMode	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



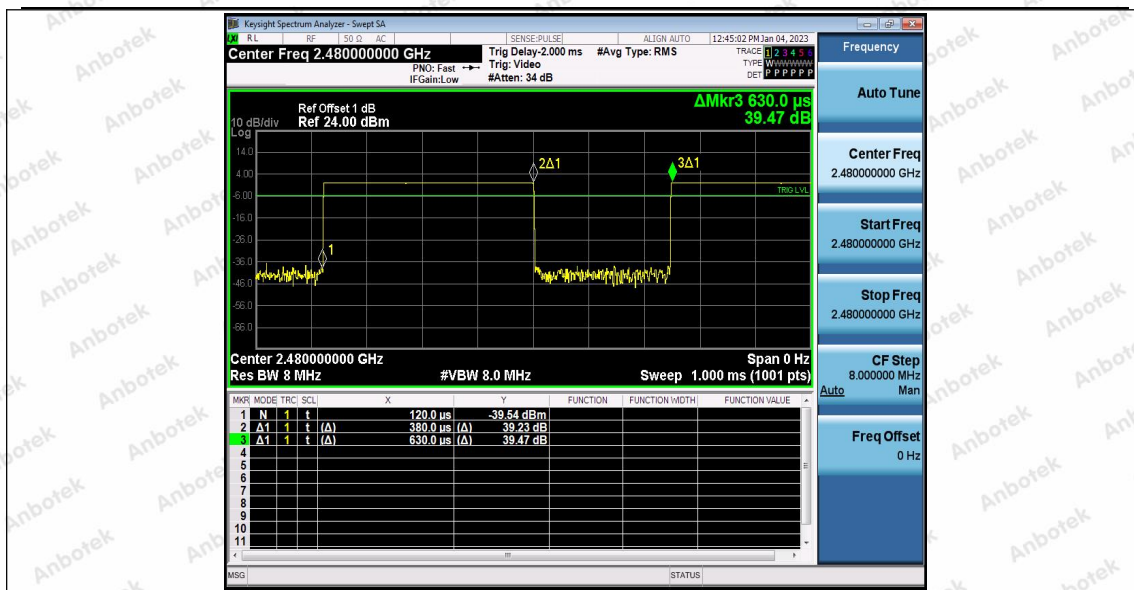
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