

Appendix Test Data

Report No.:	18220WC20253701	Test Sample No.:	1-2-2
Start Test Date:	2022.10.29	Finish Test Date:	2022.10.31
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	Relative Humidity:	47 %
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	0.696	2401.644	2402.340	0.5	PASS
		2440	0.684	2439.660	2440.344	0.5	PASS
		2480	0.696	2479.640	2480.336	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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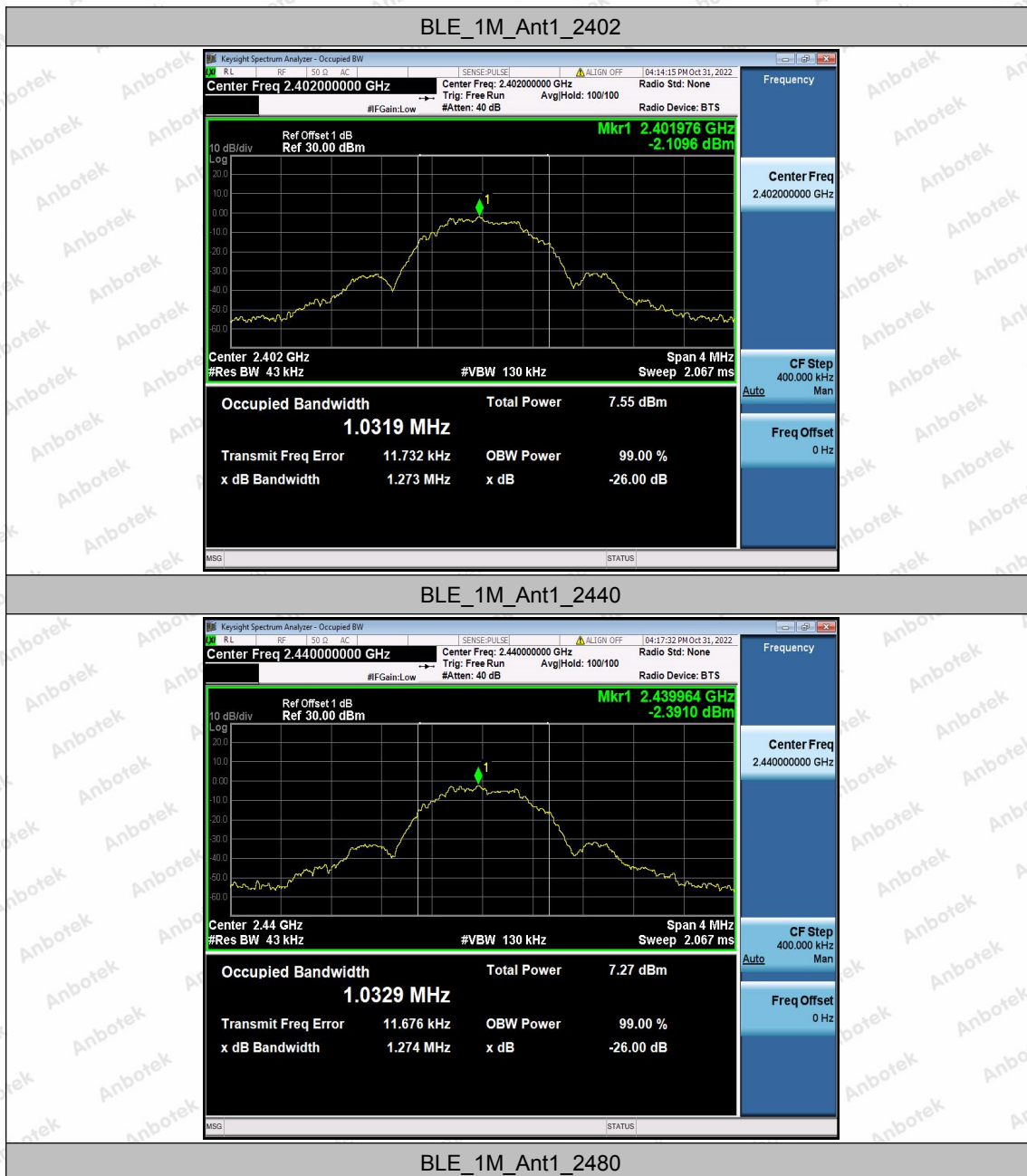
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0319	2401.4958	2402.5277
		2440	1.0329	2439.4952	2440.5281
		2480	1.0284	2479.4959	2480.5243



Test Graphs



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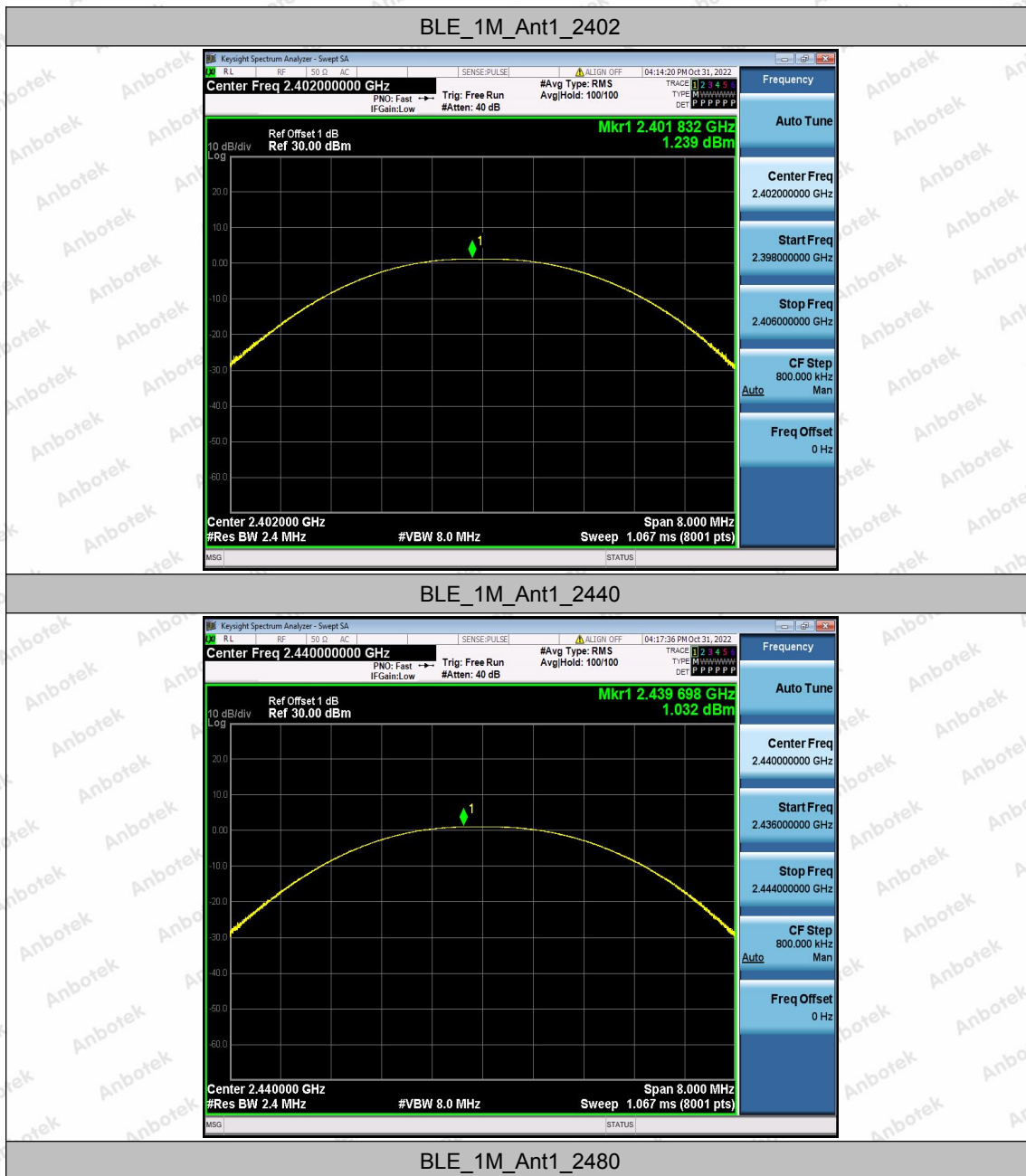
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.24	≤30	PASS
		2440	1.03	≤30	PASS
		2480	0.31	≤30	PASS



Test Graphs Peak



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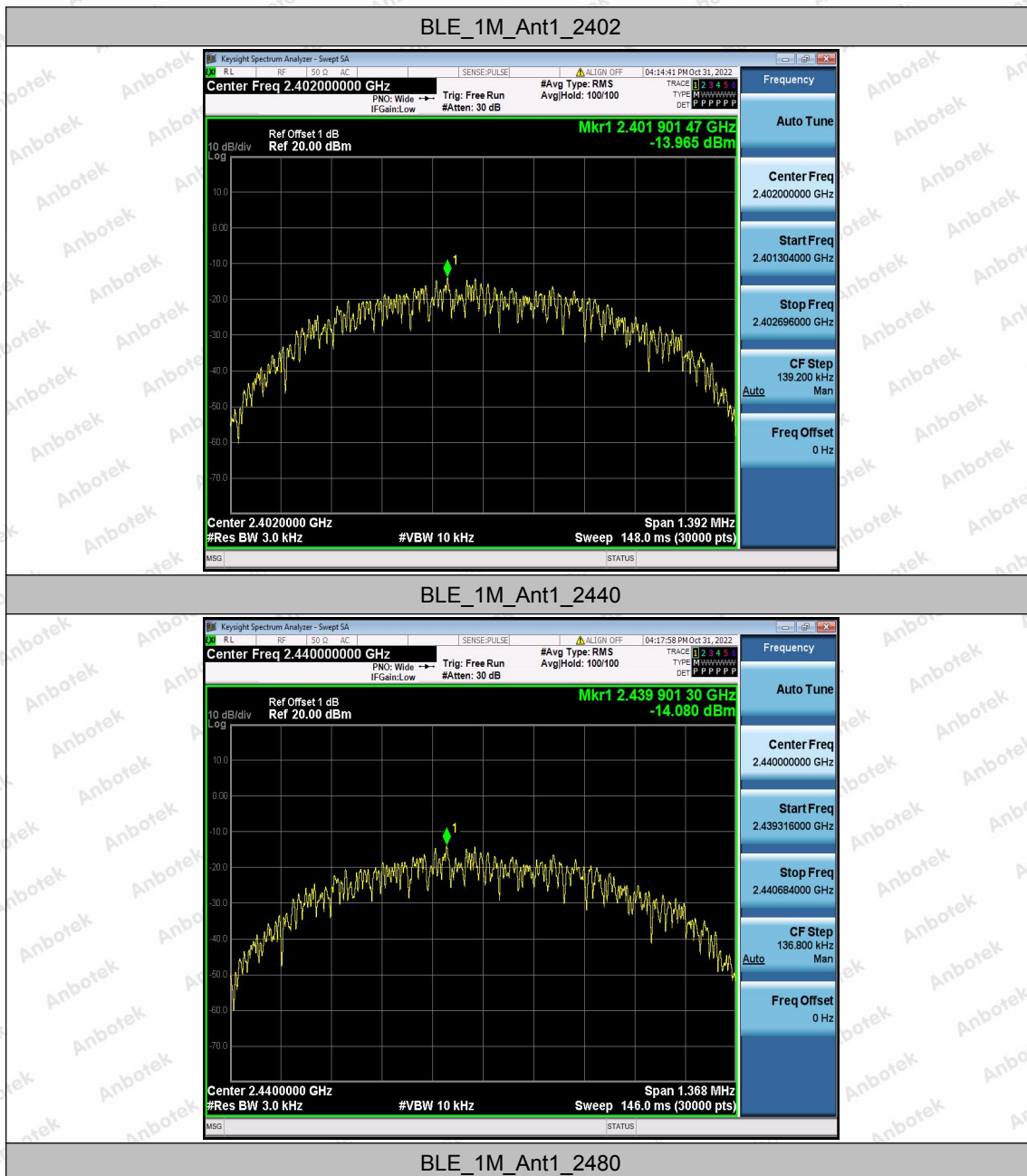
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.97	≤8.00	PASS
		2440	-14.08	≤8.00	PASS
		2480	-14.81	≤8.00	PASS



Test Graphs



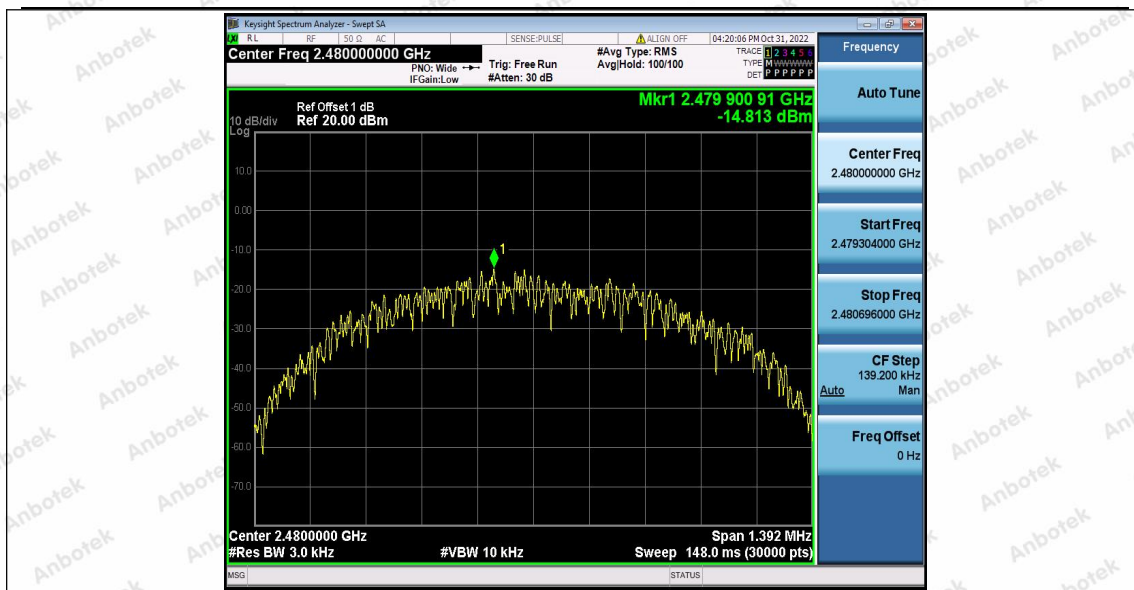
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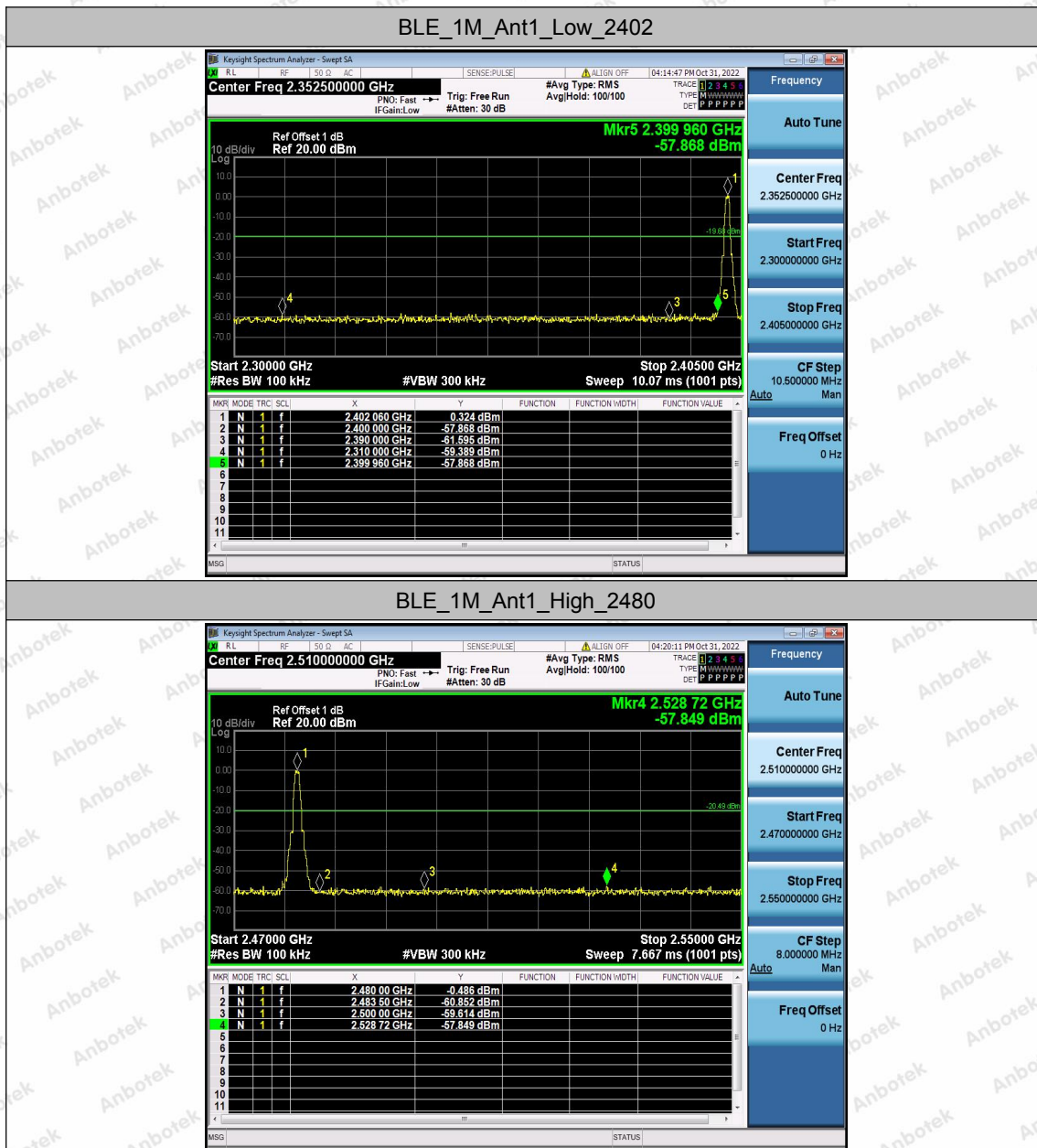
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.32	-57.87	≤-19.68	PASS
		High	2480	-0.49	-57.85	≤-20.49	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	-1.97	-1.97	---	PASS
			30~1000	-1.97	-69.32	≤-21.97	PASS
			1000~26500	-1.97	-53.72	≤-21.97	PASS
		2440	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-69.98	≤-20.15	PASS
			1000~26500	-0.15	-53.85	≤-20.15	PASS
		2480	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-69.46	≤-20.85	PASS
			1000~26500	-0.85	-53.79	≤-20.85	PASS

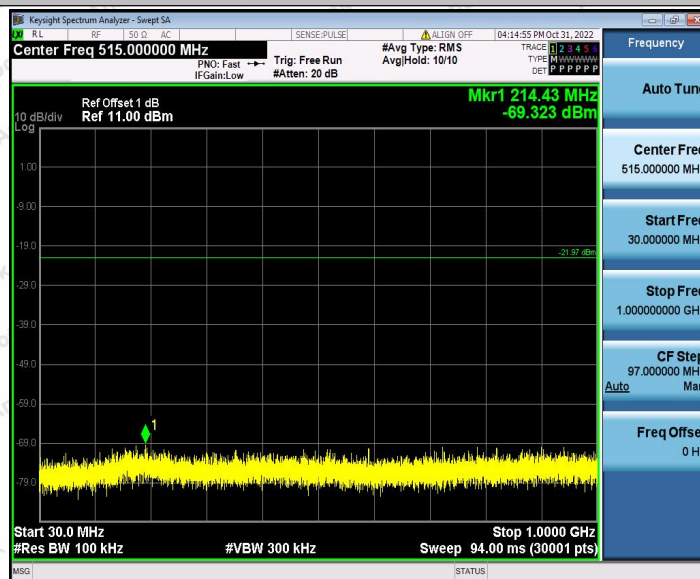


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

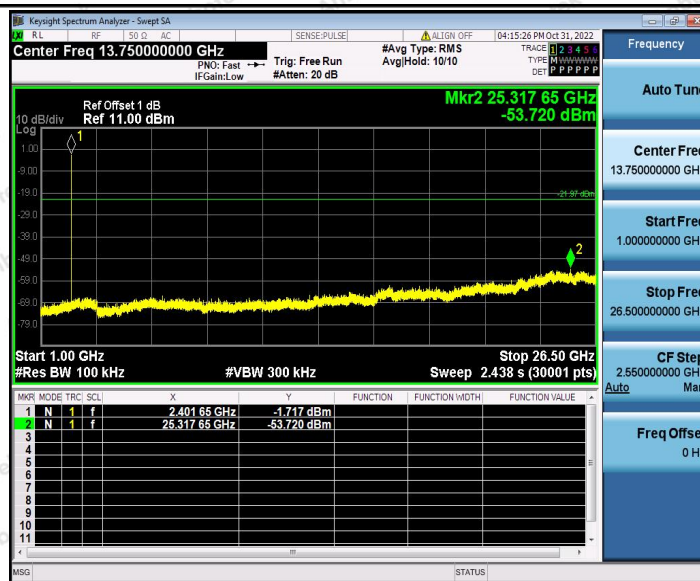
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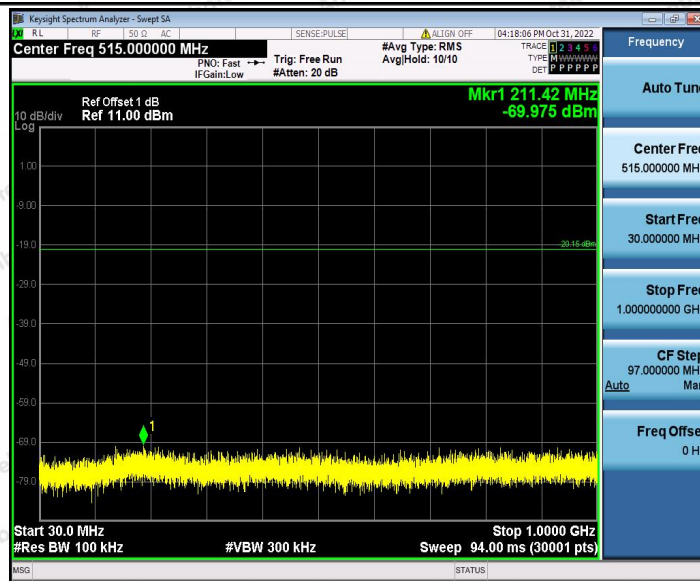


BLE_1M_Ant1_2440_0~Reference

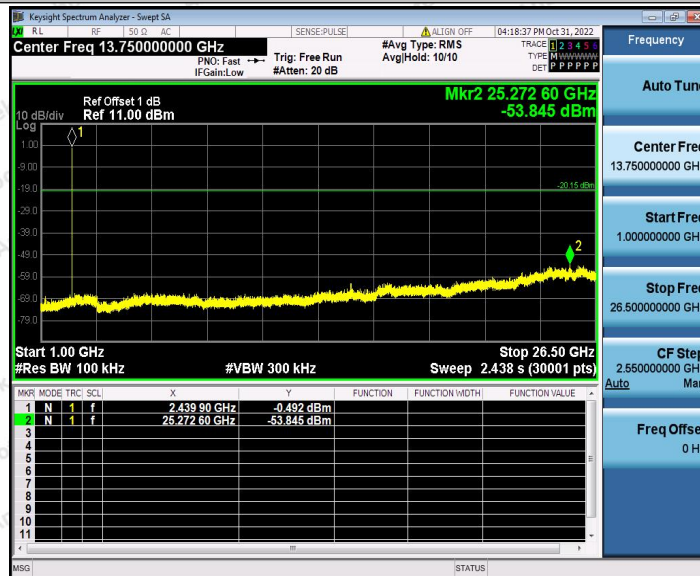


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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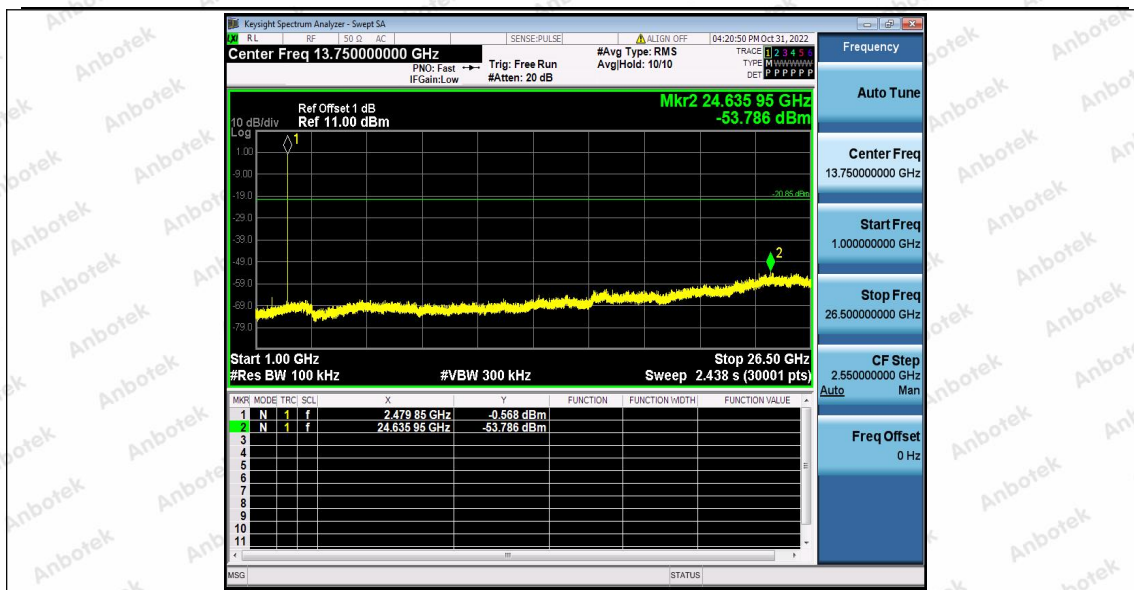
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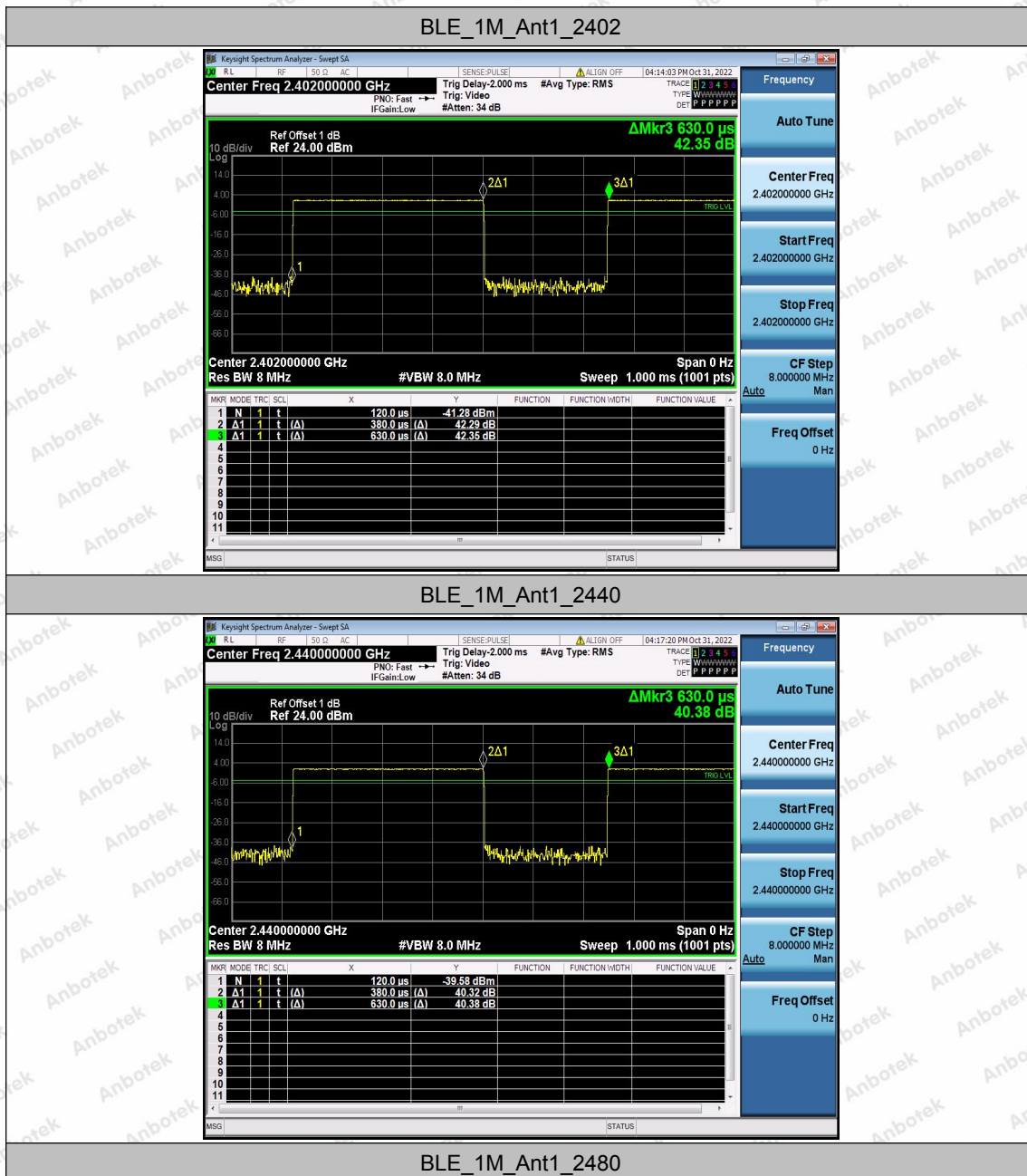
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	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



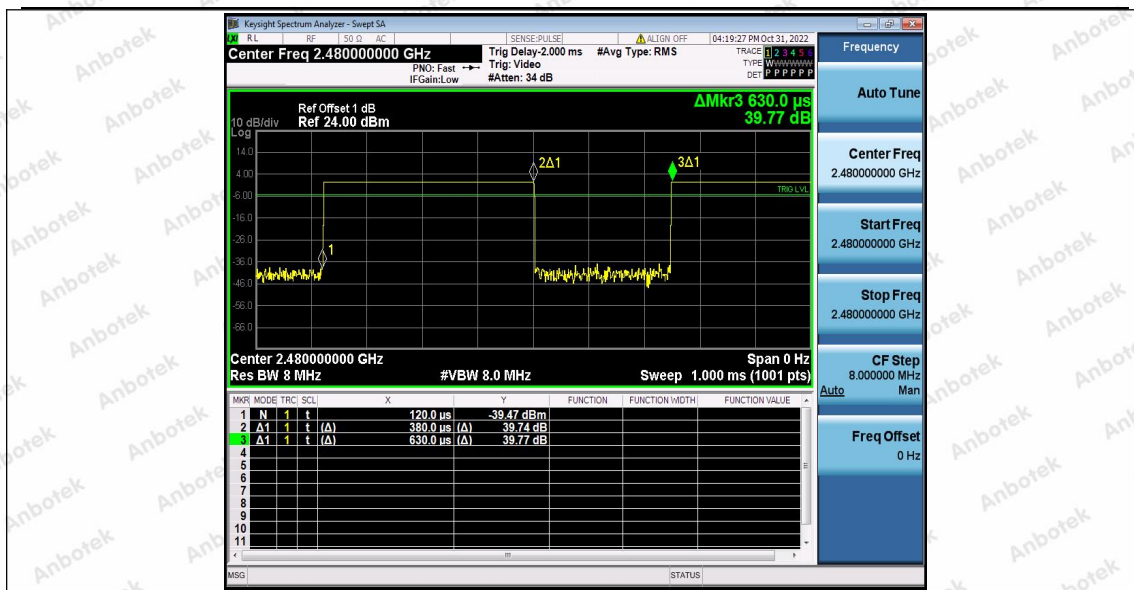
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