

Appendix Test Data

Report No.:	18220WC20273501	Test Sample No.:	1-2-2
Start Test Date:	2022.11.30	Finish Test Date:	2022.12.7
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.692	2401.656	2402.348	0.5	PASS
		2440	0.680	2439.656	2440.336	0.5	PASS
		2480	0.696	2479.640	2480.336	0.5	PASS



Test Graphs



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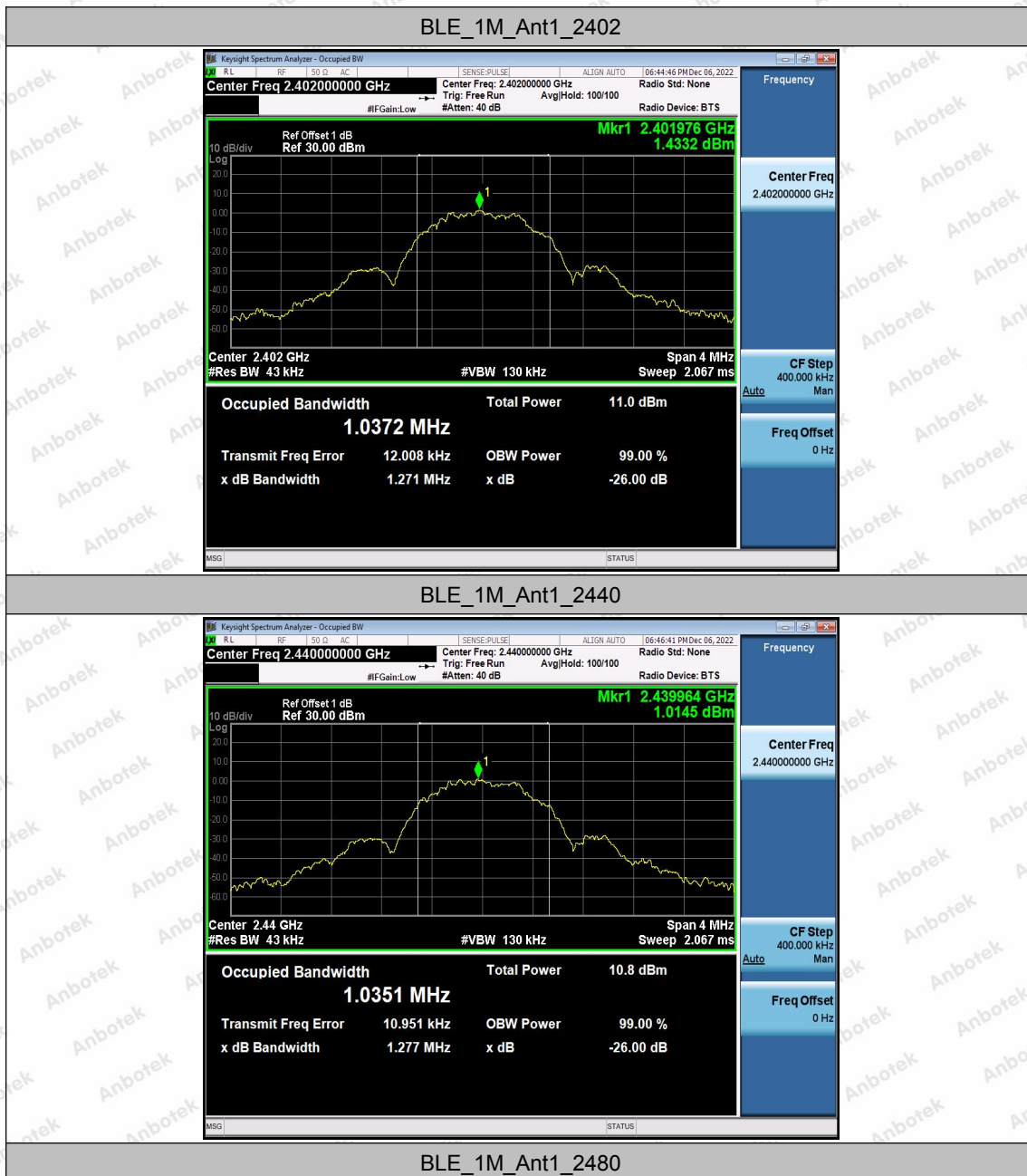
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0372	2401.4934	2402.5306
		2440	1.0351	2439.4934	2440.5285
		2480	1.0199	2479.4970	2480.5169



Test Graphs



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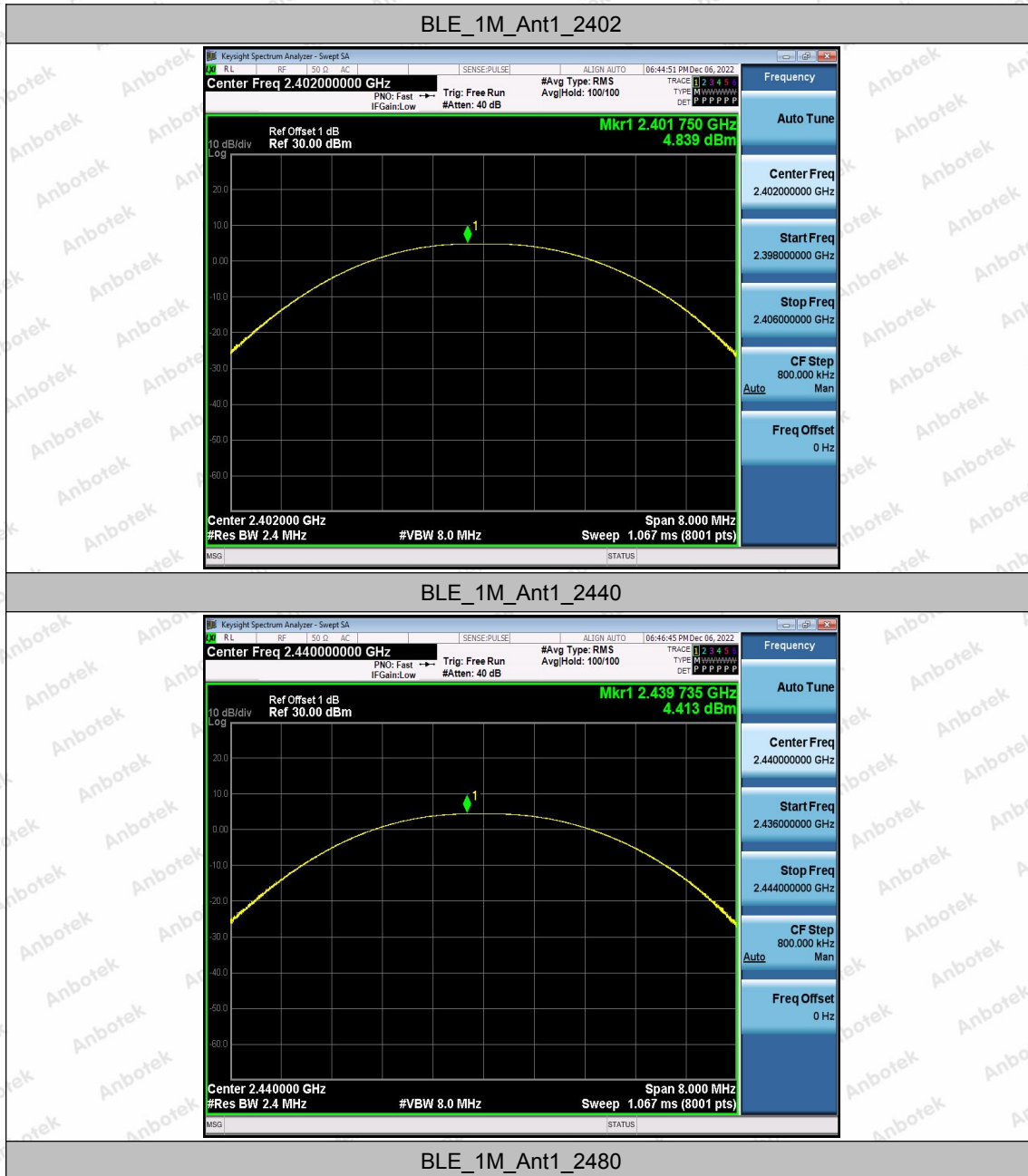
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.84	≤30	PASS
		2440	4.41	≤30	PASS
		2480	3.55	≤30	PASS



Test Graphs Peak



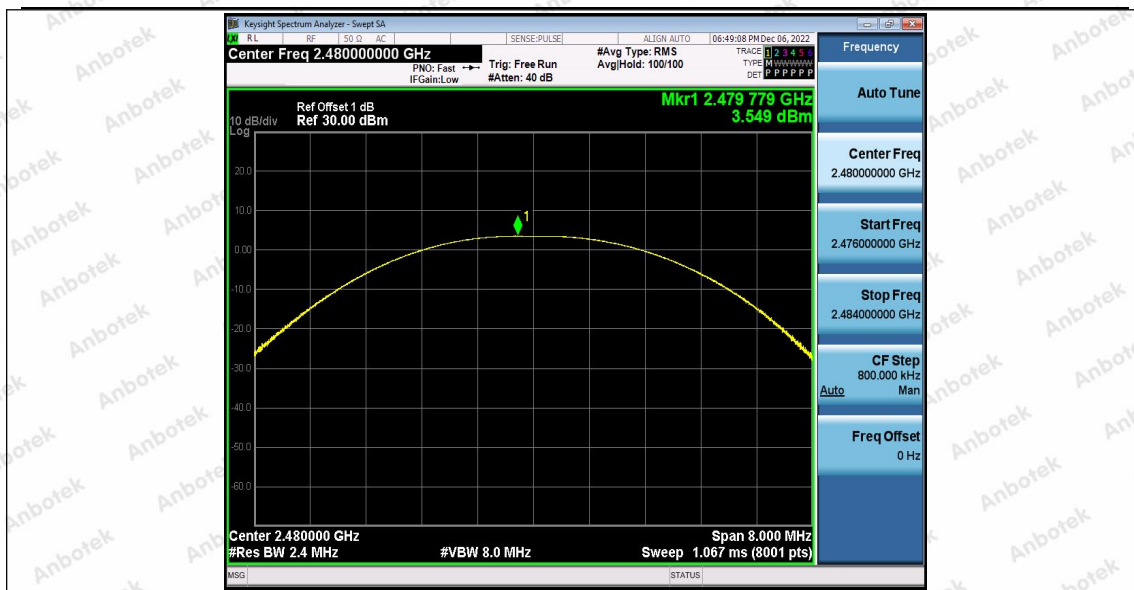
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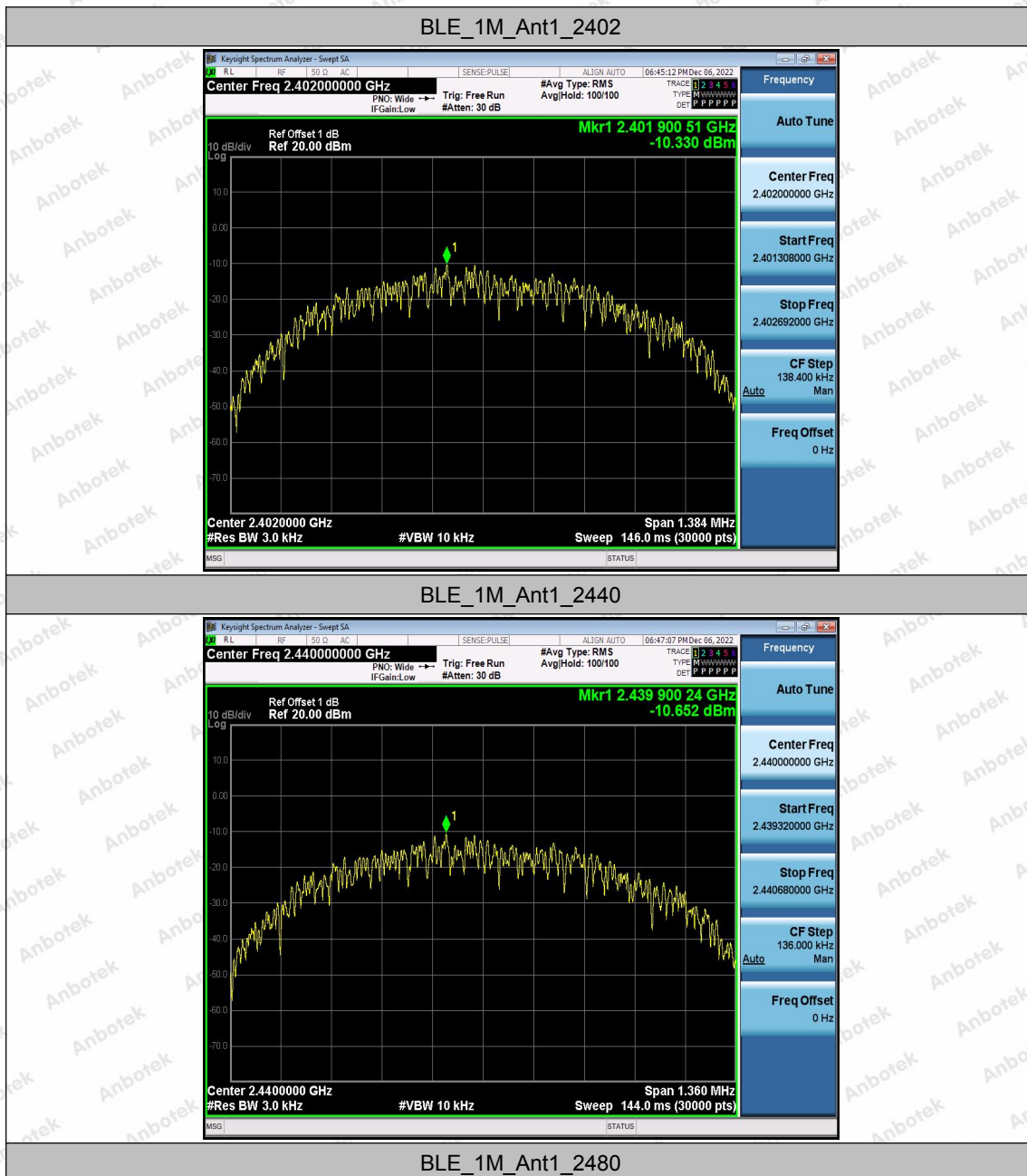
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.33	≤8.00	PASS
		2440	-10.65	≤8.00	PASS
		2480	-11.58	≤8.00	PASS



Test Graphs



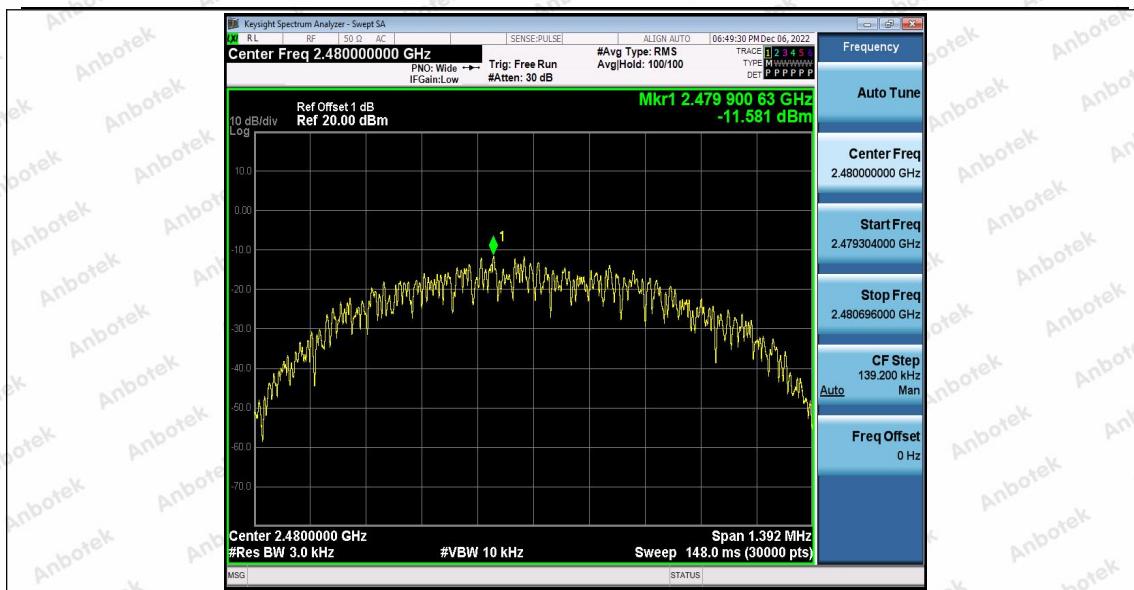
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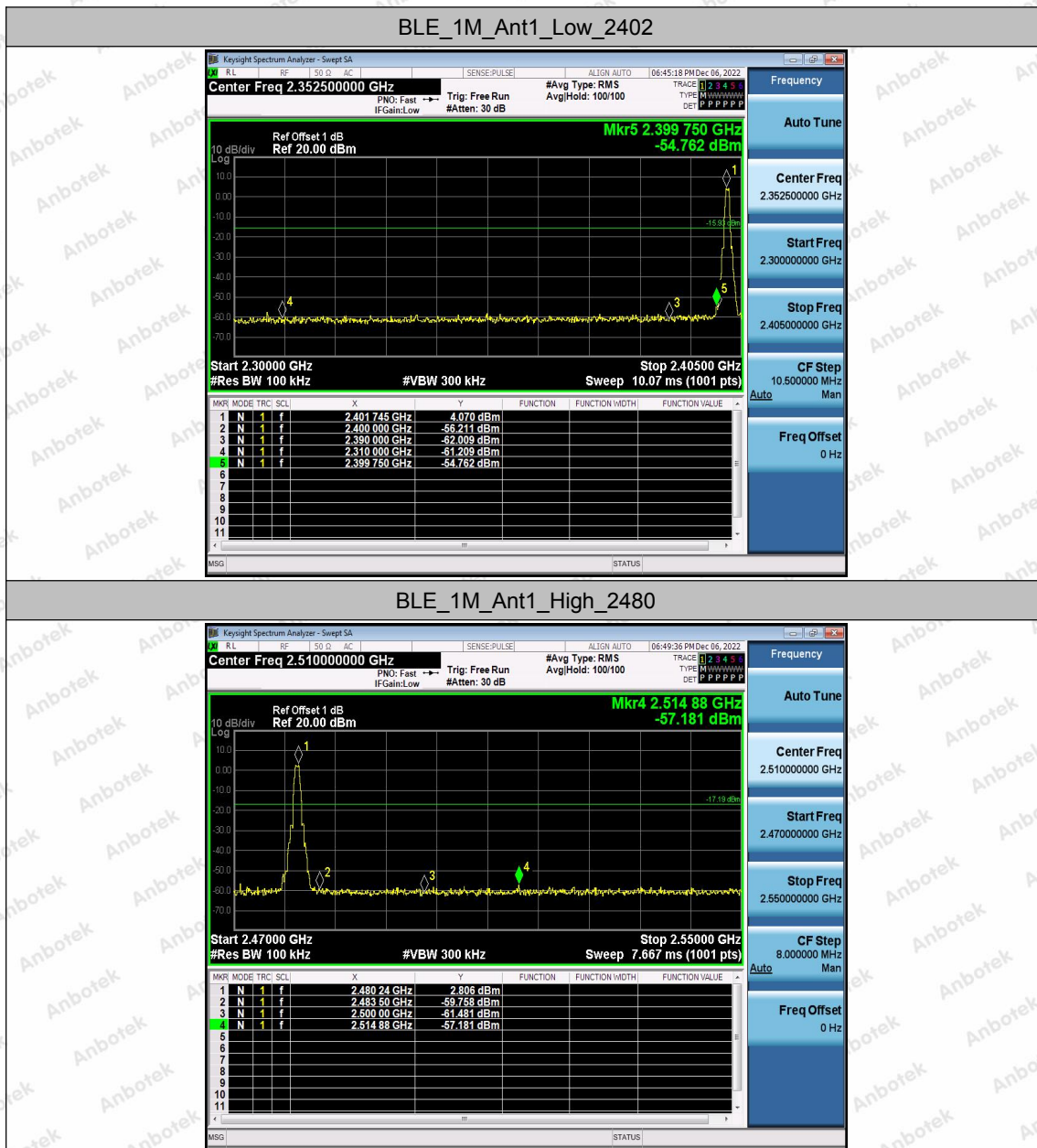
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.07	-54.76	≤-15.93	PASS
		High	2480	2.81	-57.18	≤-17.19	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	2.76	2.76	---	PASS
			30~1000	2.76	-68.96	≤-17.24	PASS
			1000~26500	2.76	-53.36	≤-17.24	PASS
		2440	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-68.54	≤-17.14	PASS
			1000~26500	2.86	-53.57	≤-17.14	PASS
		2480	Reference	1.80	1.80	---	PASS
			30~1000	1.80	-68.38	≤-18.2	PASS
			1000~26500	1.80	-53.67	≤-18.2	PASS



Test Graphs



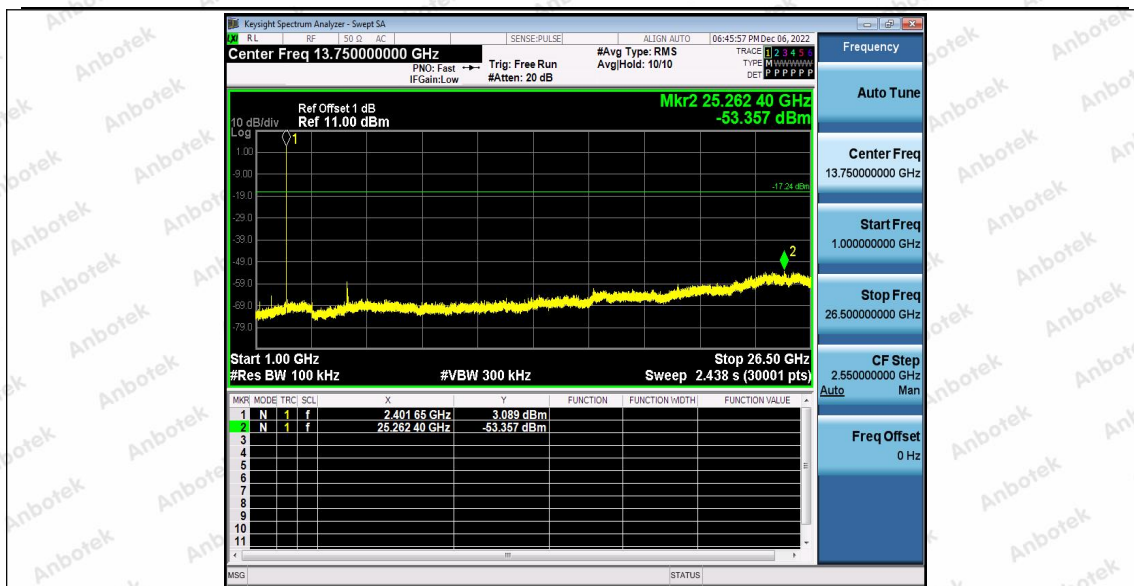
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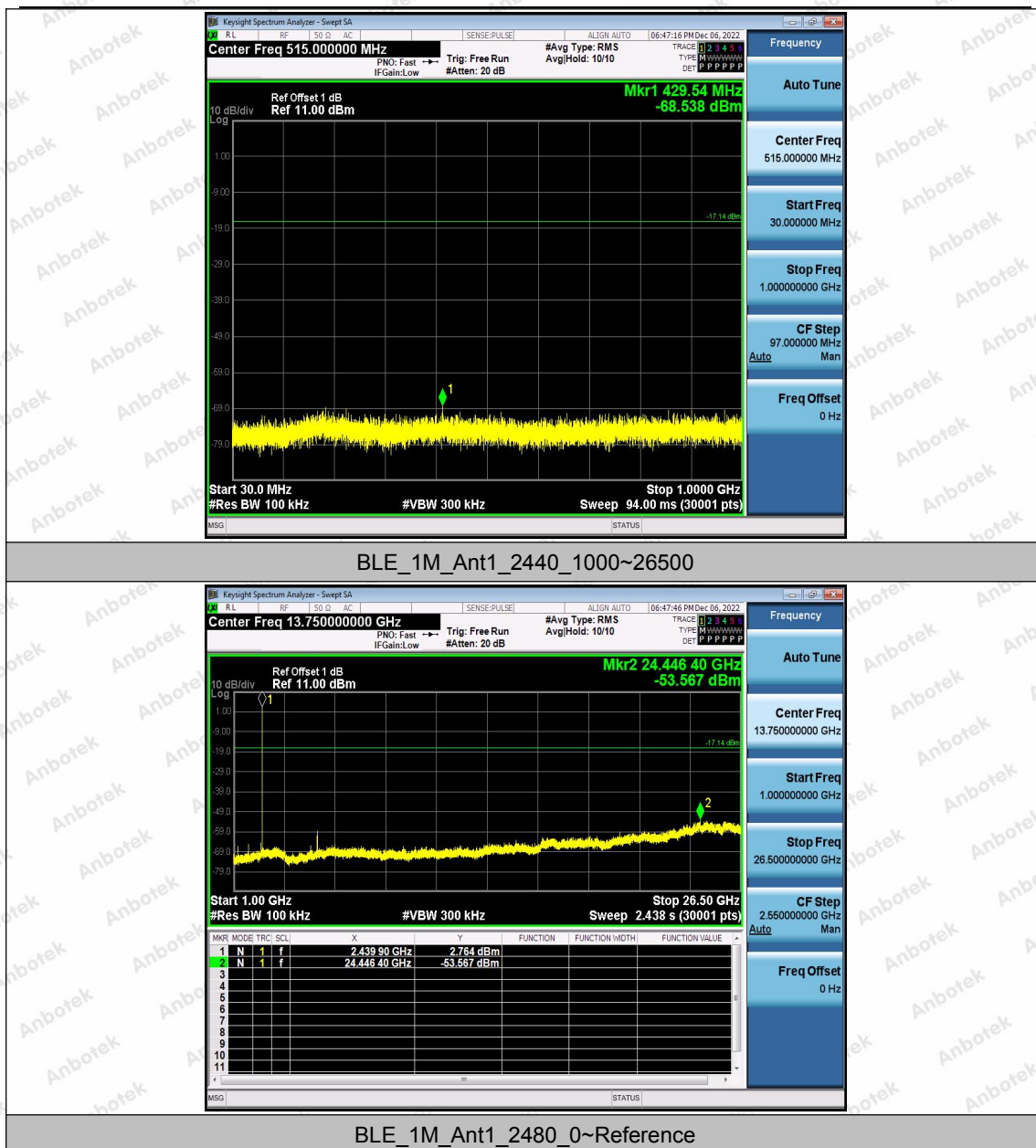


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000







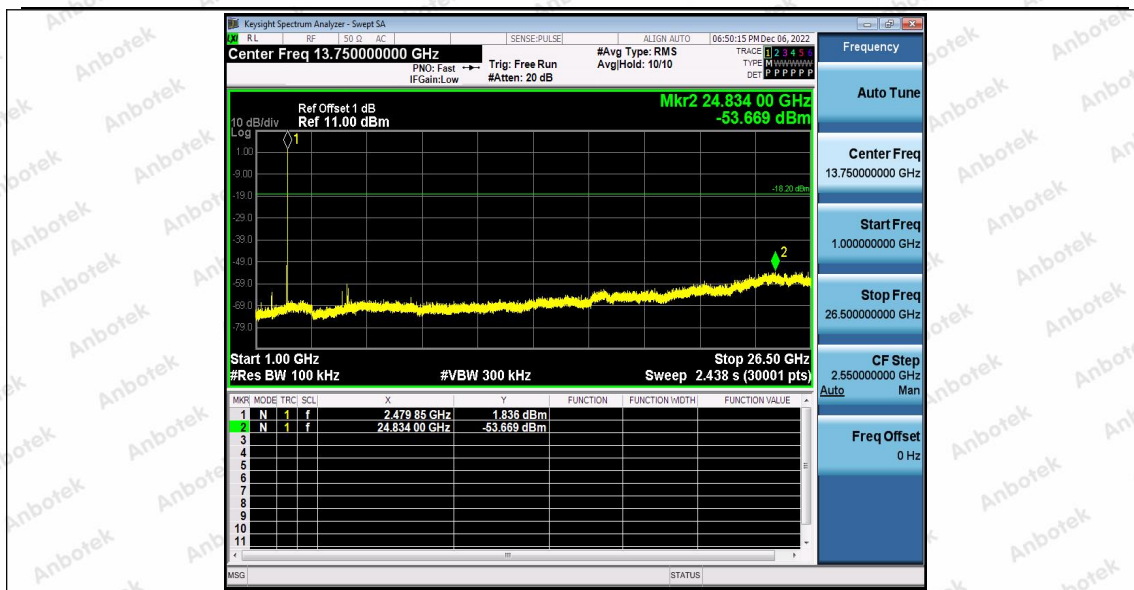
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Appendix G: Duty Cycle

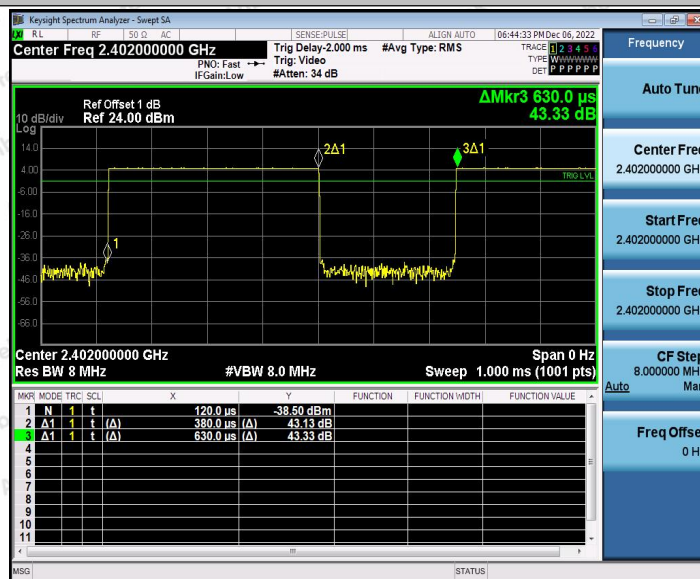
Test Result

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

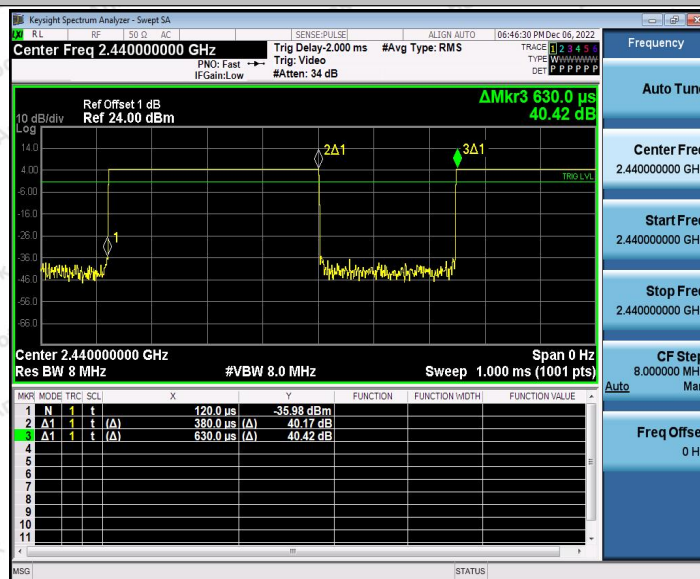


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

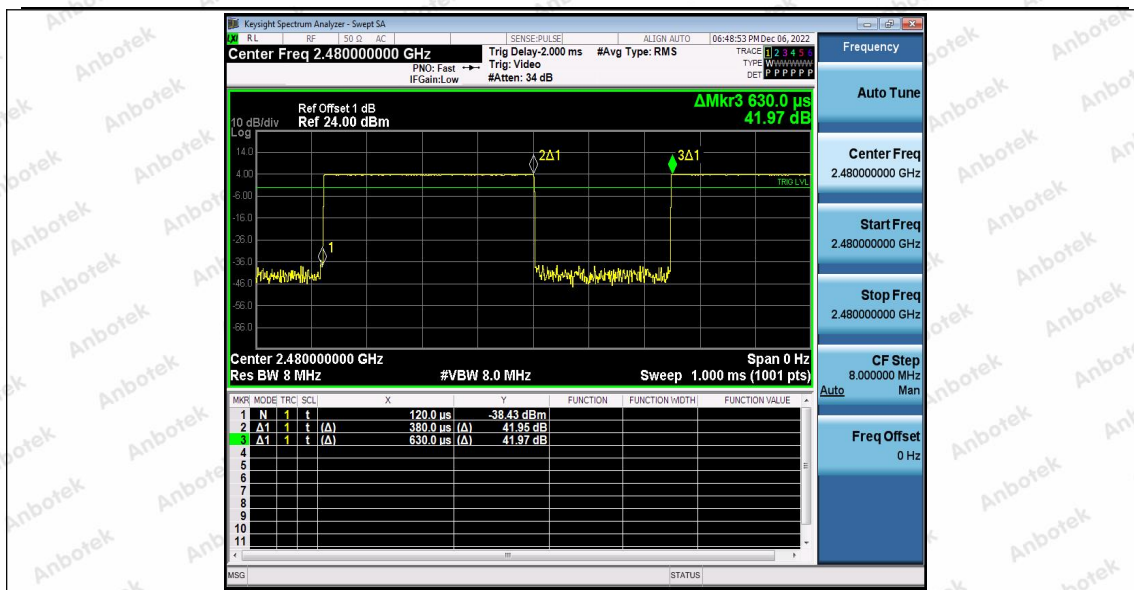
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