

Appendix Test Data

Report No.:	18220WC20195801	Test Sample No.:	1-2-2
Start Test Date:	2022.8.23	Finish Test Date:	2022.8.31
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

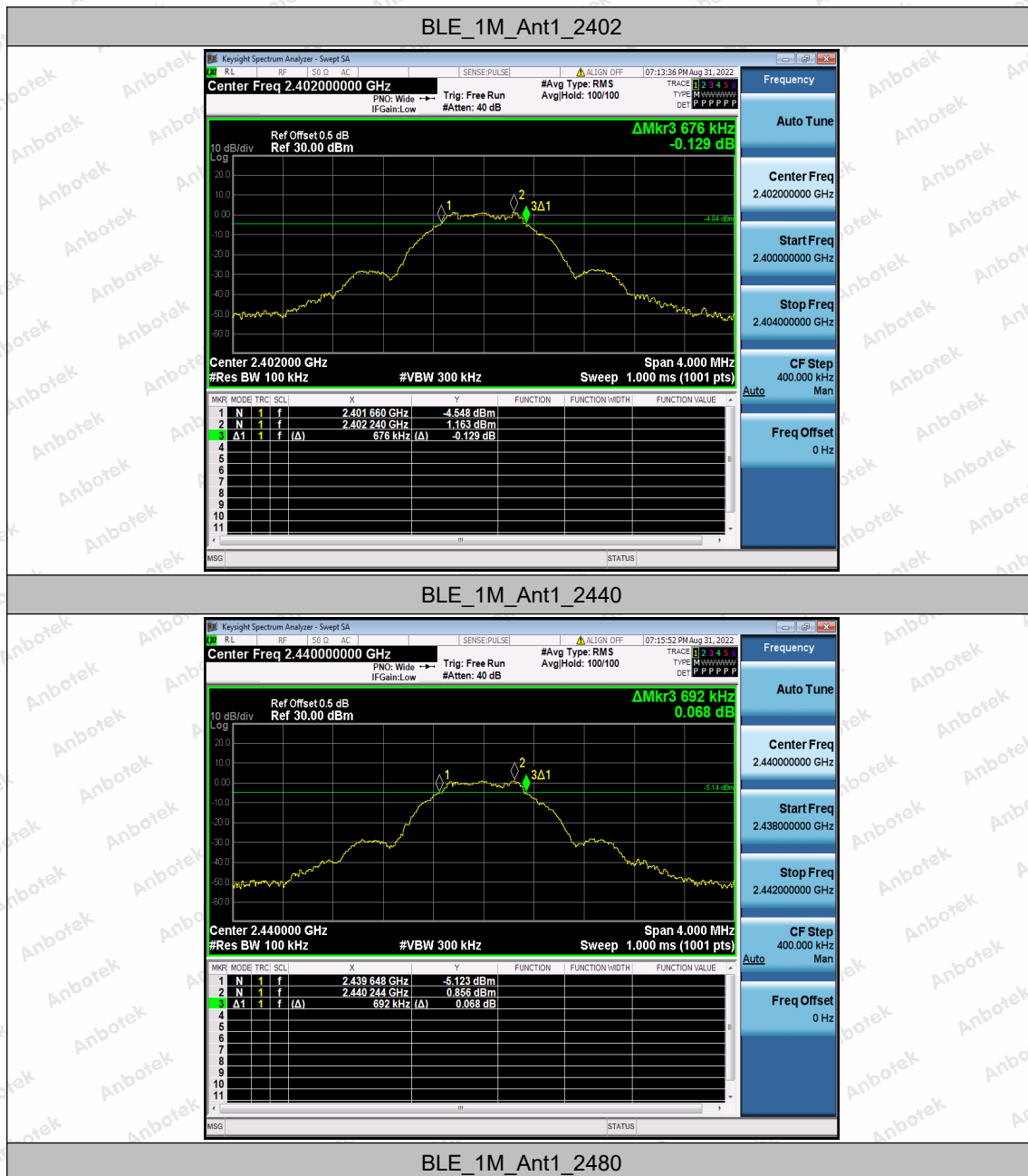
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.660	2402.336	0.5	PASS
		2440	0.692	2439.648	2440.340	0.5	PASS
		2480	0.680	2479.660	2480.340	0.5	PASS



Test Graphs



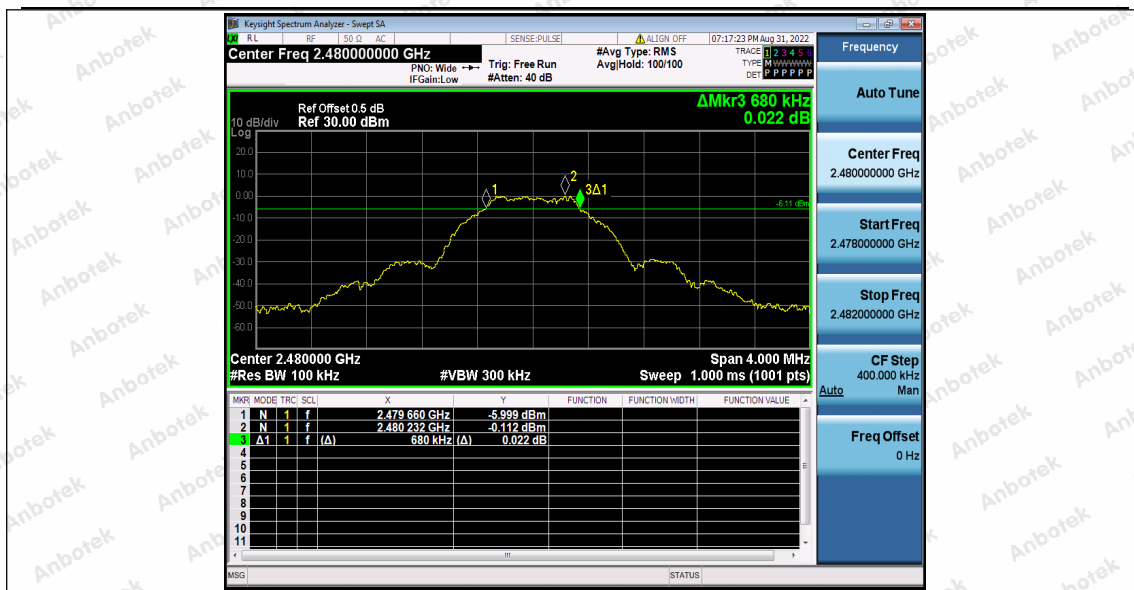
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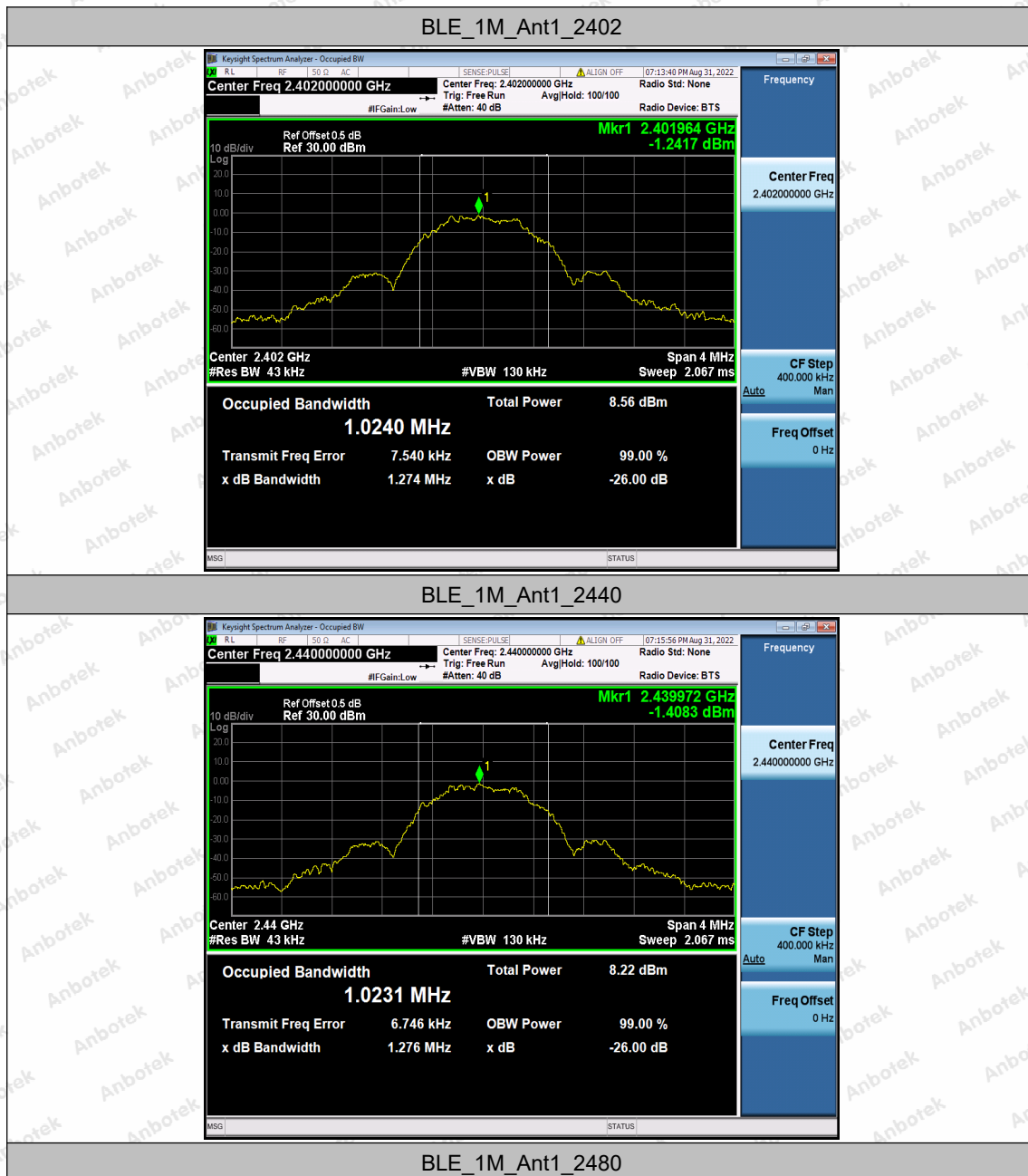
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0240	2401.4955	2402.5195
		2440	1.0231	2439.4952	2440.5183
		2480	1.0239	2479.4984	2480.5223



Test Graphs



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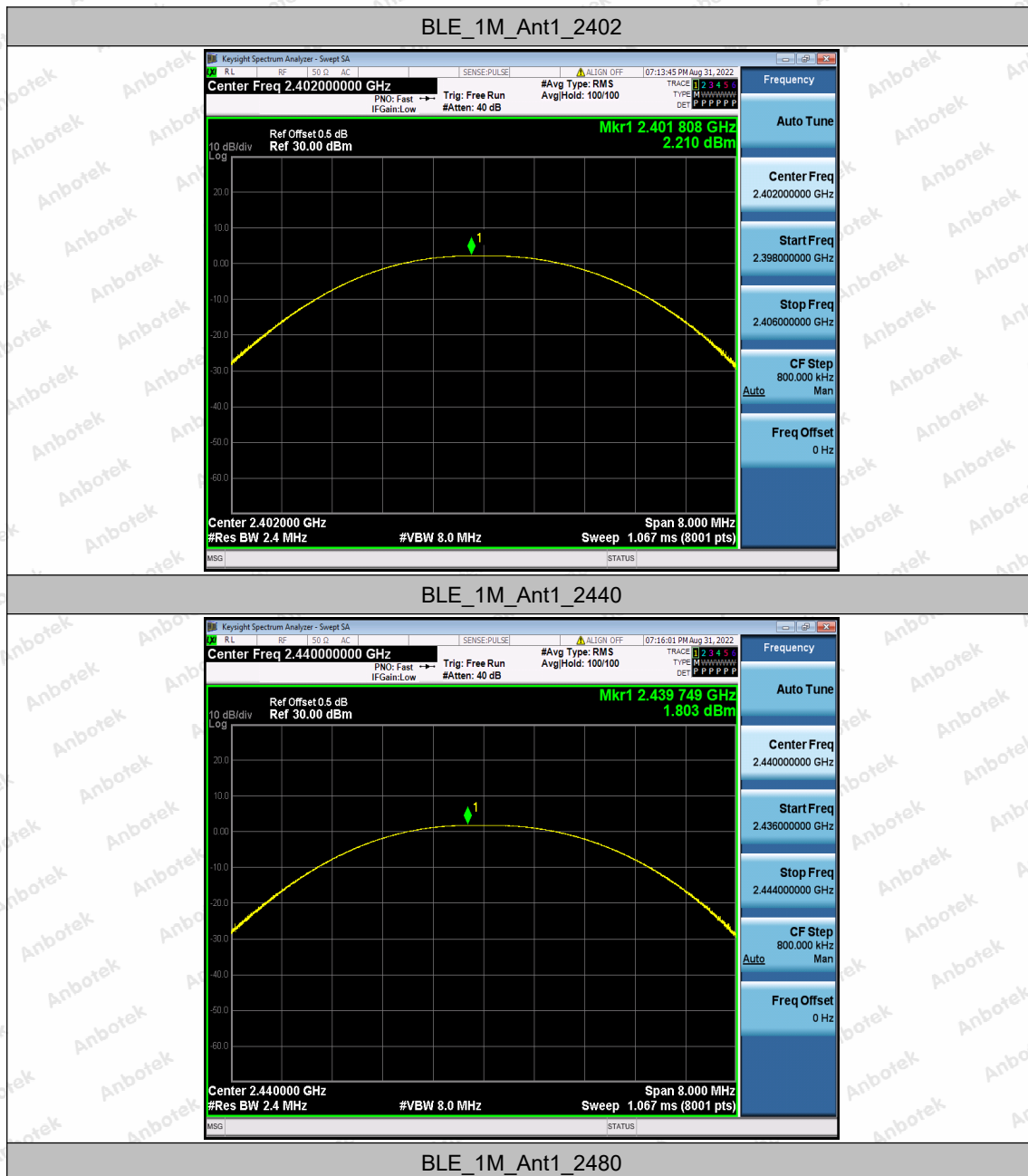
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.21	≤30	PASS
		2440	1.8	≤30	PASS
		2480	1.07	≤30	PASS



Test Graphs Peak



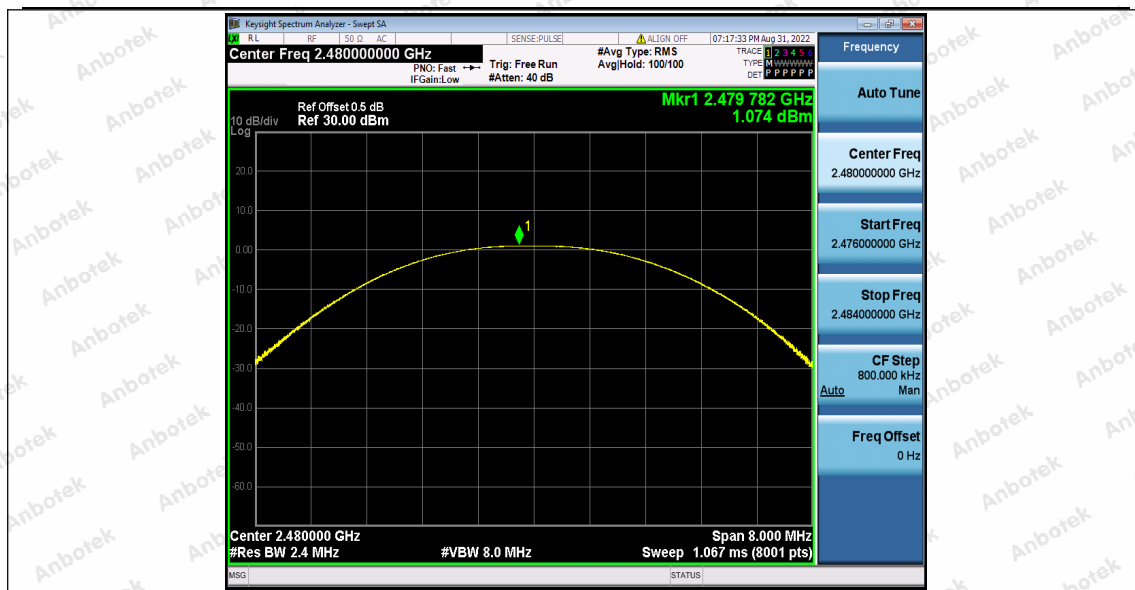
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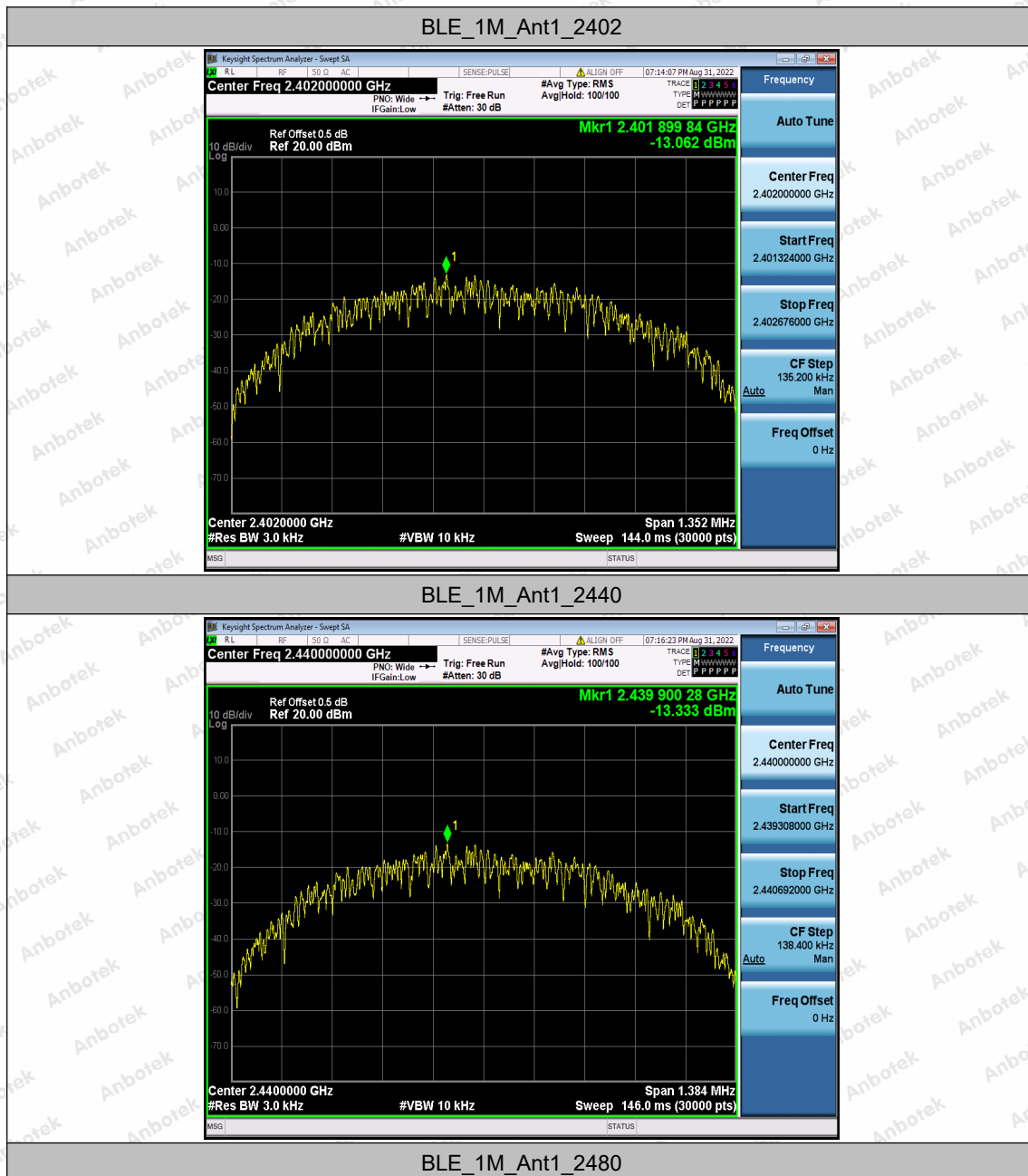
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.06	≤8.00	PASS
		2440	-13.33	≤8.00	PASS
		2480	-14.11	≤8.00	PASS



Test Graphs



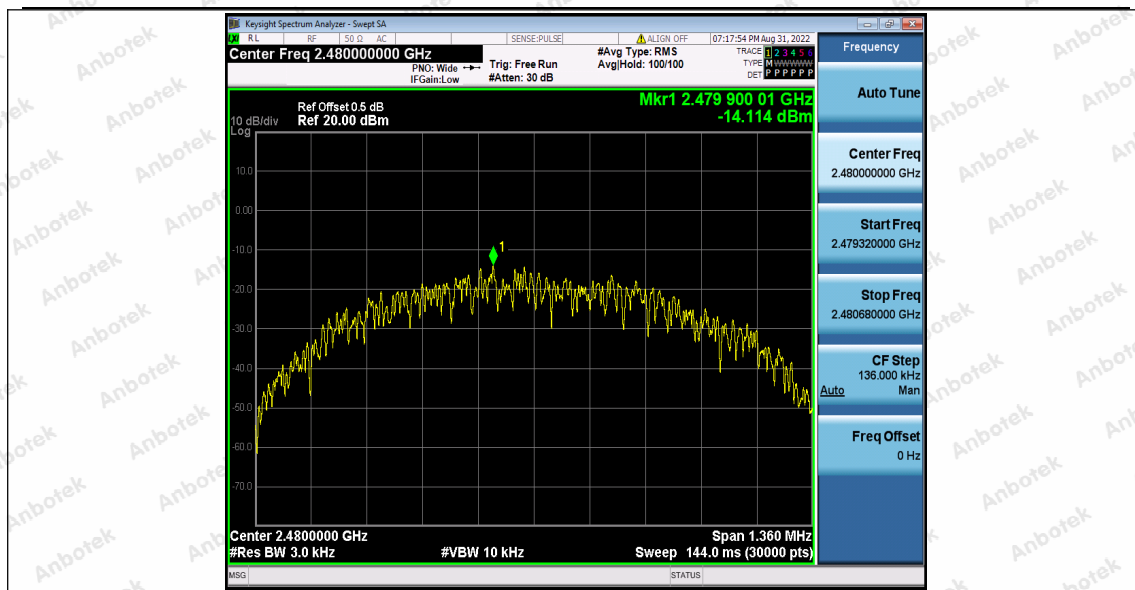
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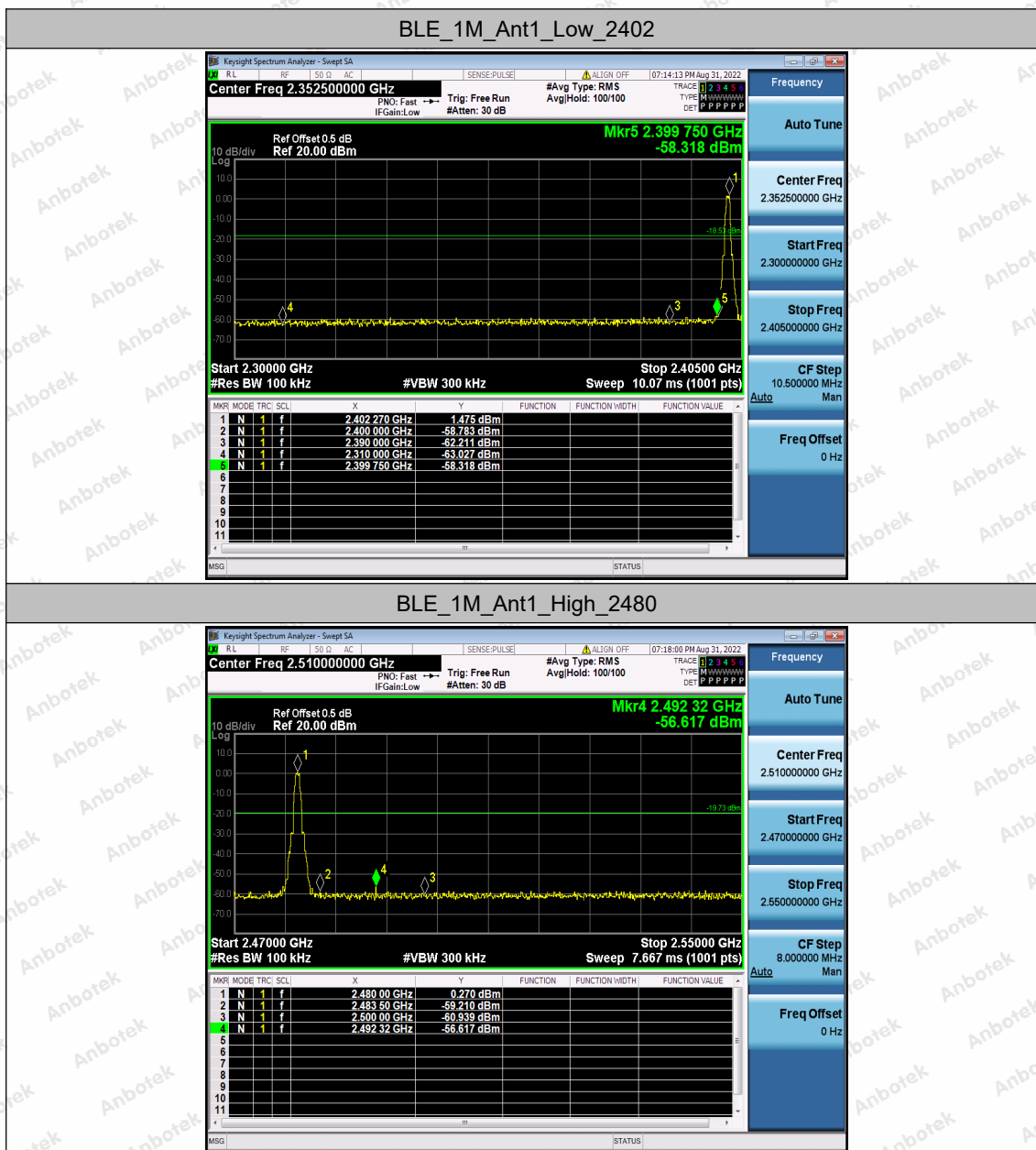
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.48	-58.32	≤-18.53	PASS
		High	2480	0.27	-56.62	≤-19.73	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	1.20	1.20	---	PASS
			30~1000	1.20	-70.23	≤-28.8	PASS
			1000~26500	1.20	-54.38	≤-28.8	PASS
		2440	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-70	≤-29.67	PASS
			1000~26500	0.33	-53.81	≤-29.67	PASS
		2480	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-68.93	≤-30.27	PASS
			1000~26500	-0.27	-54.01	≤-30.27	PASS

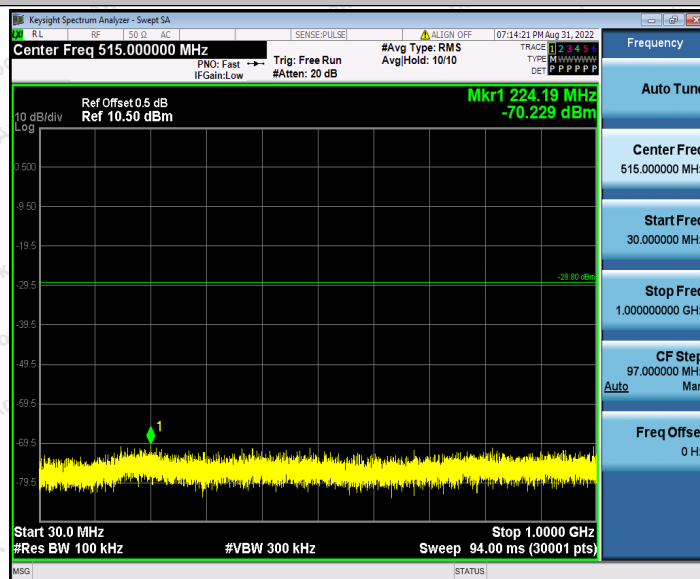


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

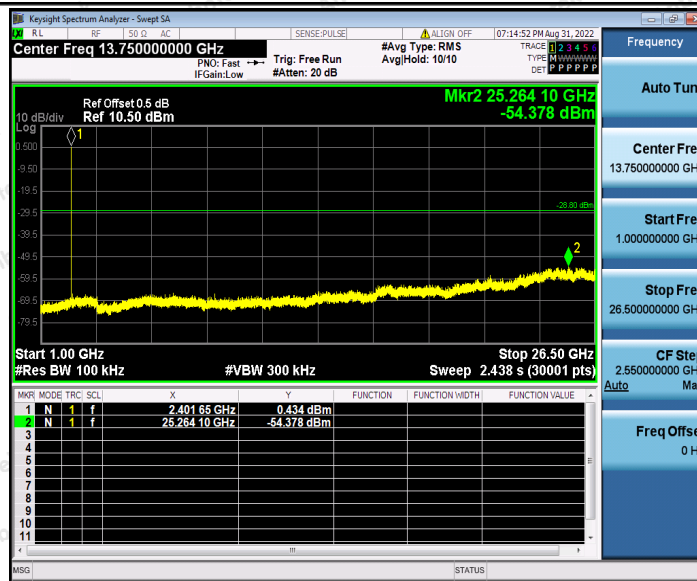
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

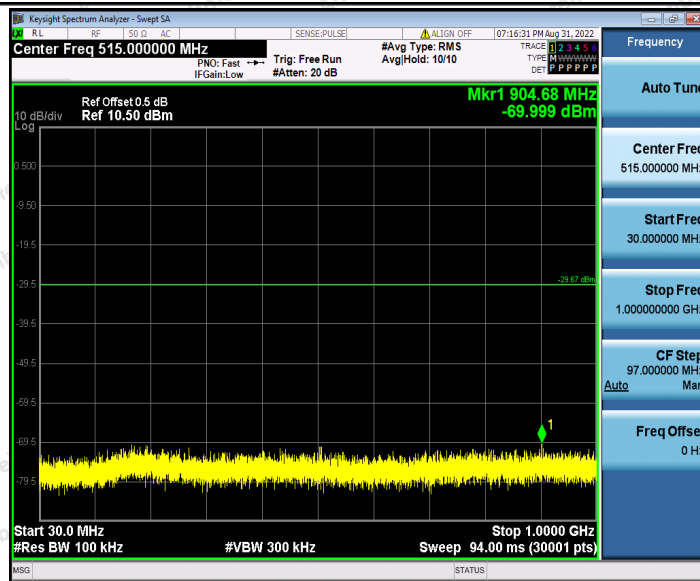
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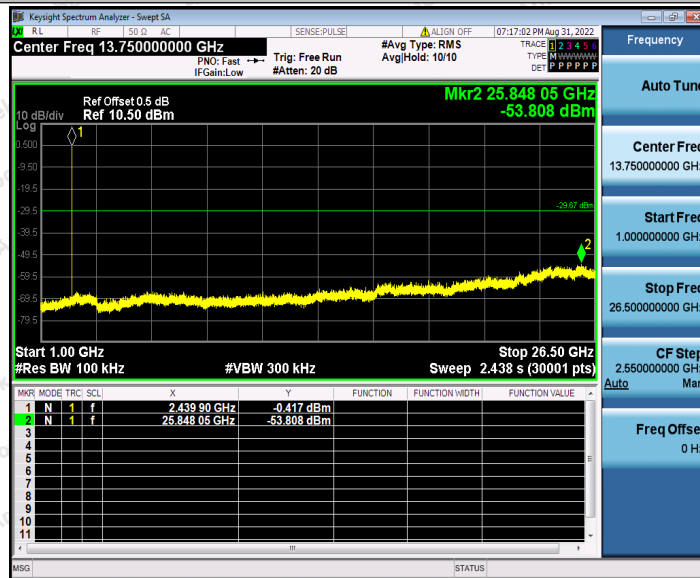


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

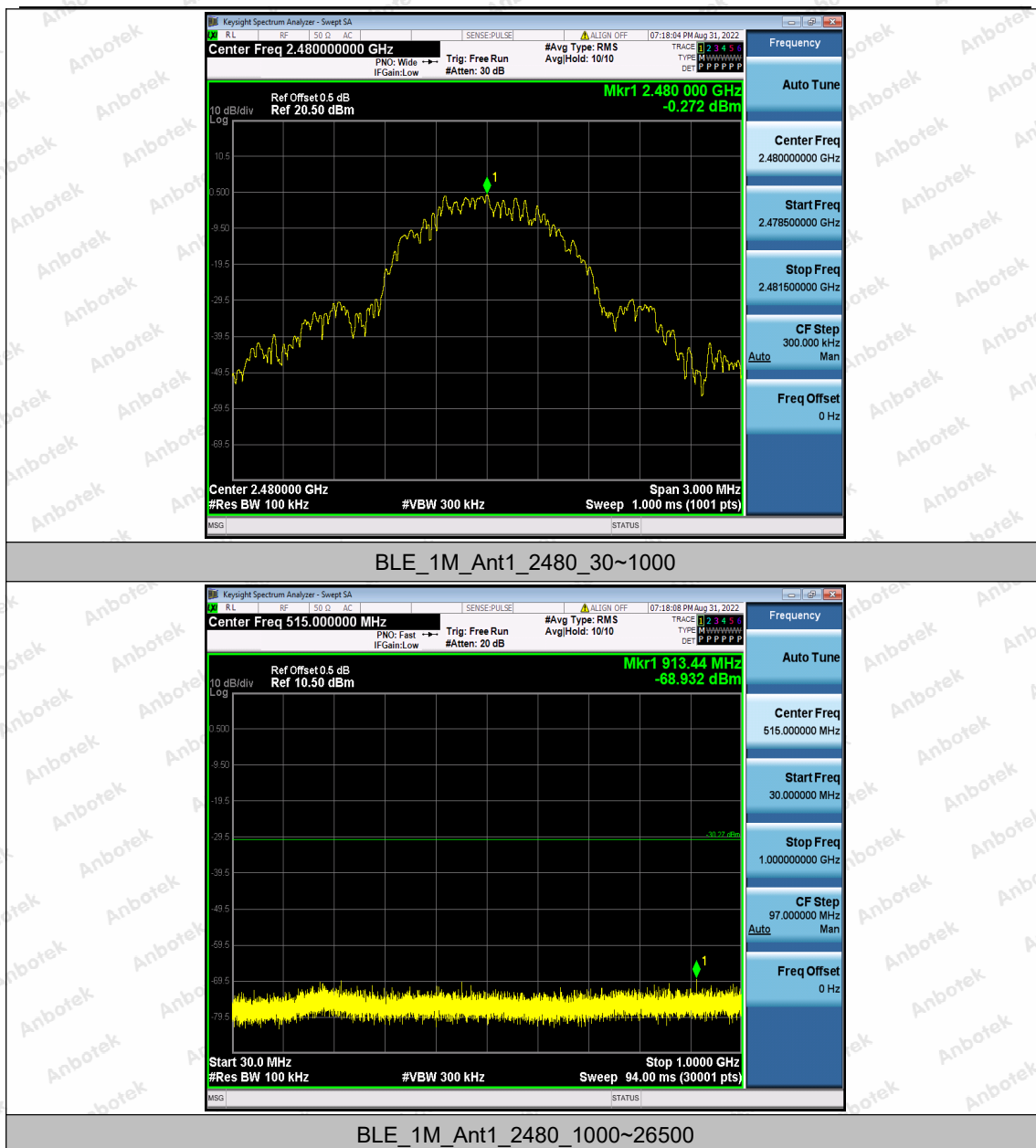
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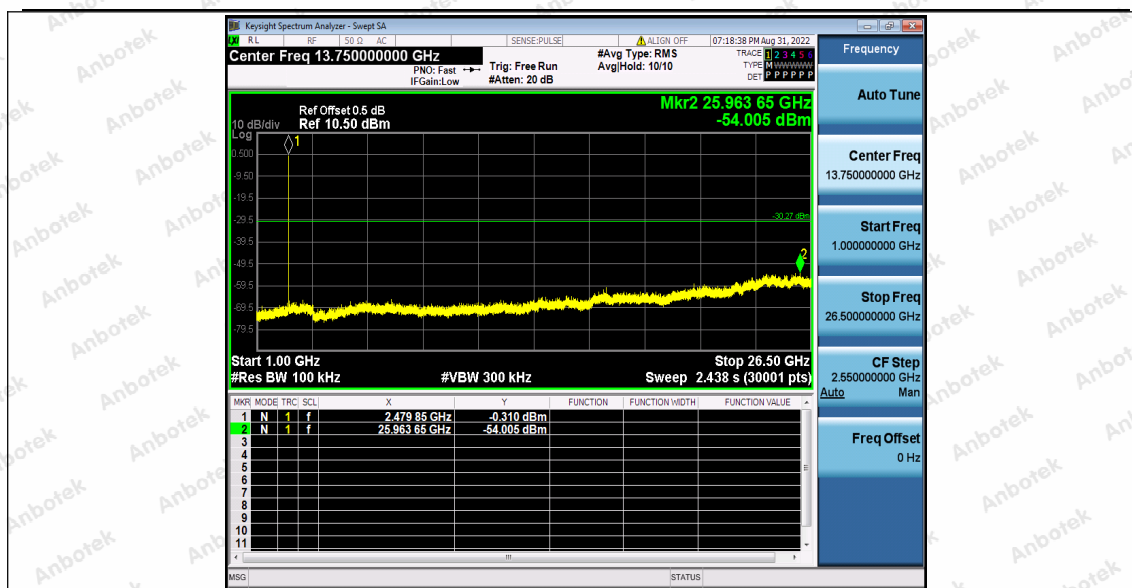
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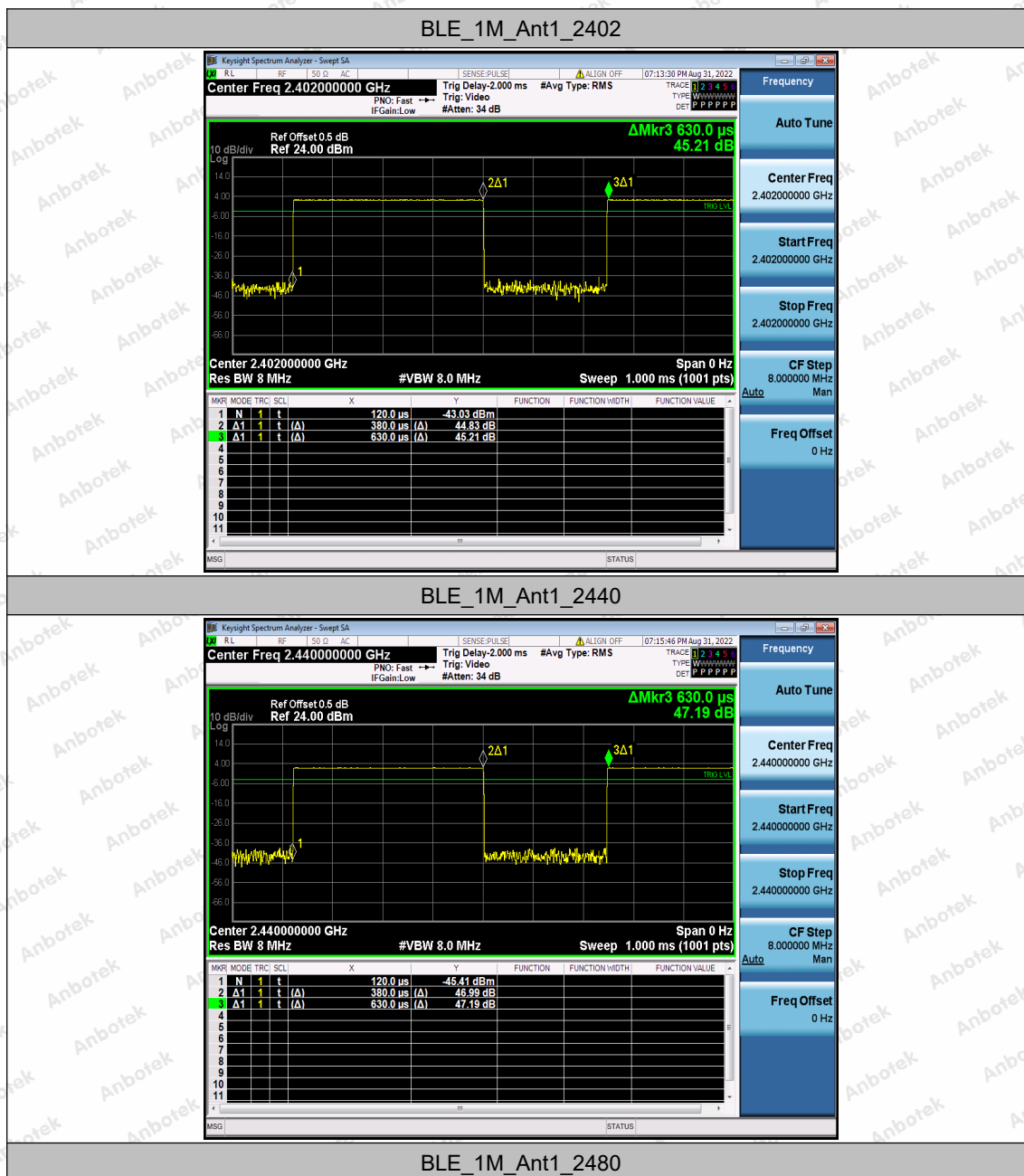
Appendix G: Duty Cycle

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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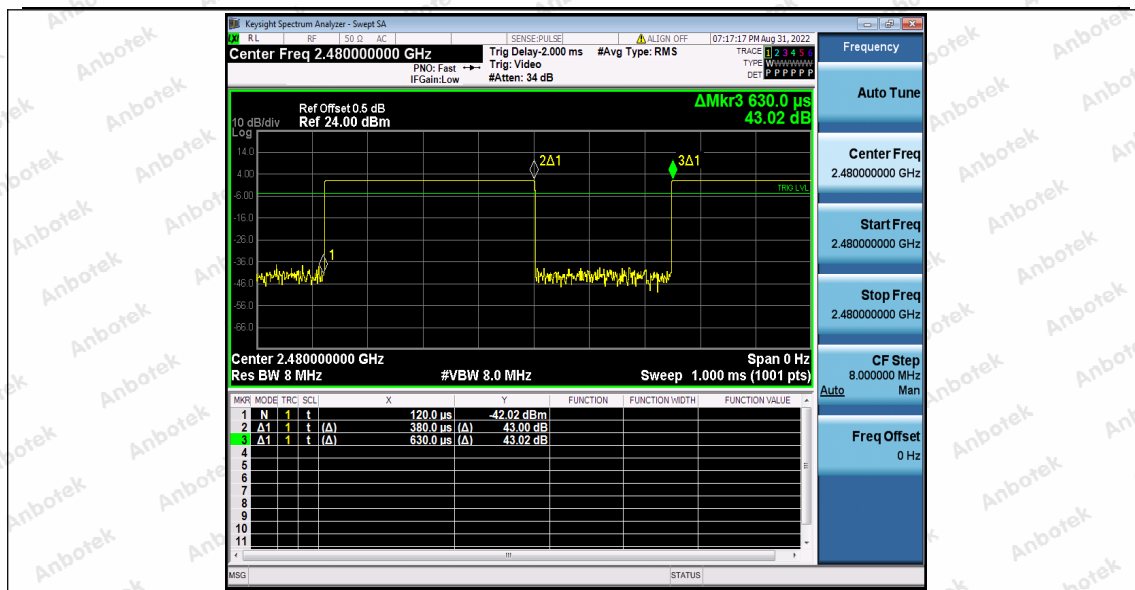
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