

Appendix Test Data

Report No.:	18220WC20247501	Test Sample No.:	1-2-2
Start Test Date:	2022.10.18	Finish Test Date:	2022.10.21
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	0.716	2401.640	2402.356	0.5	PASS
		2440	0.700	2439.636	2440.336	0.5	PASS
		2480	0.712	2479.644	2480.356	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

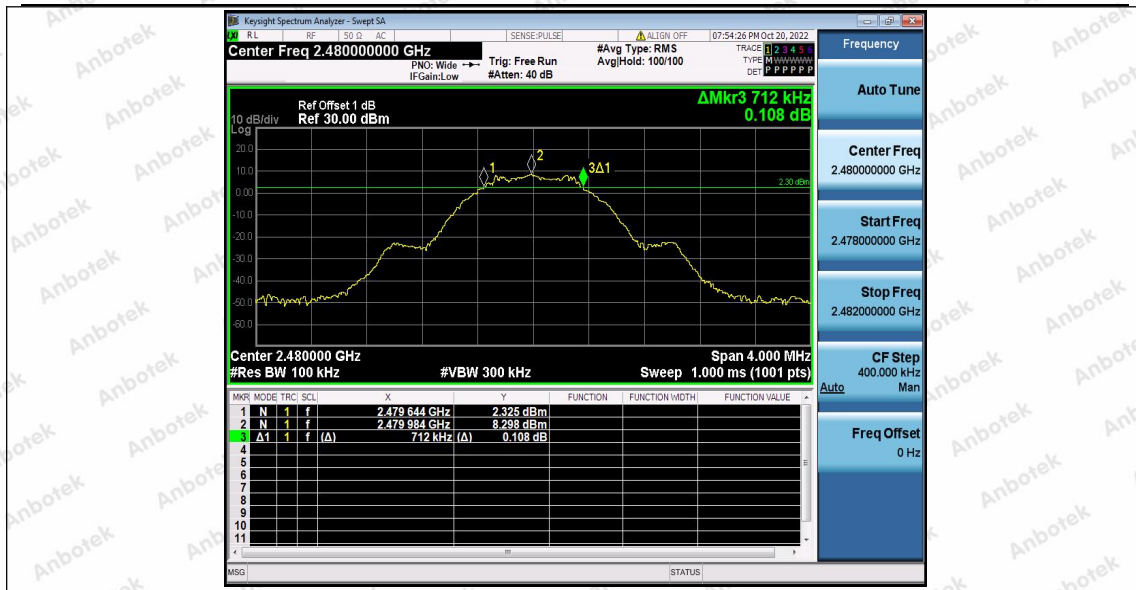
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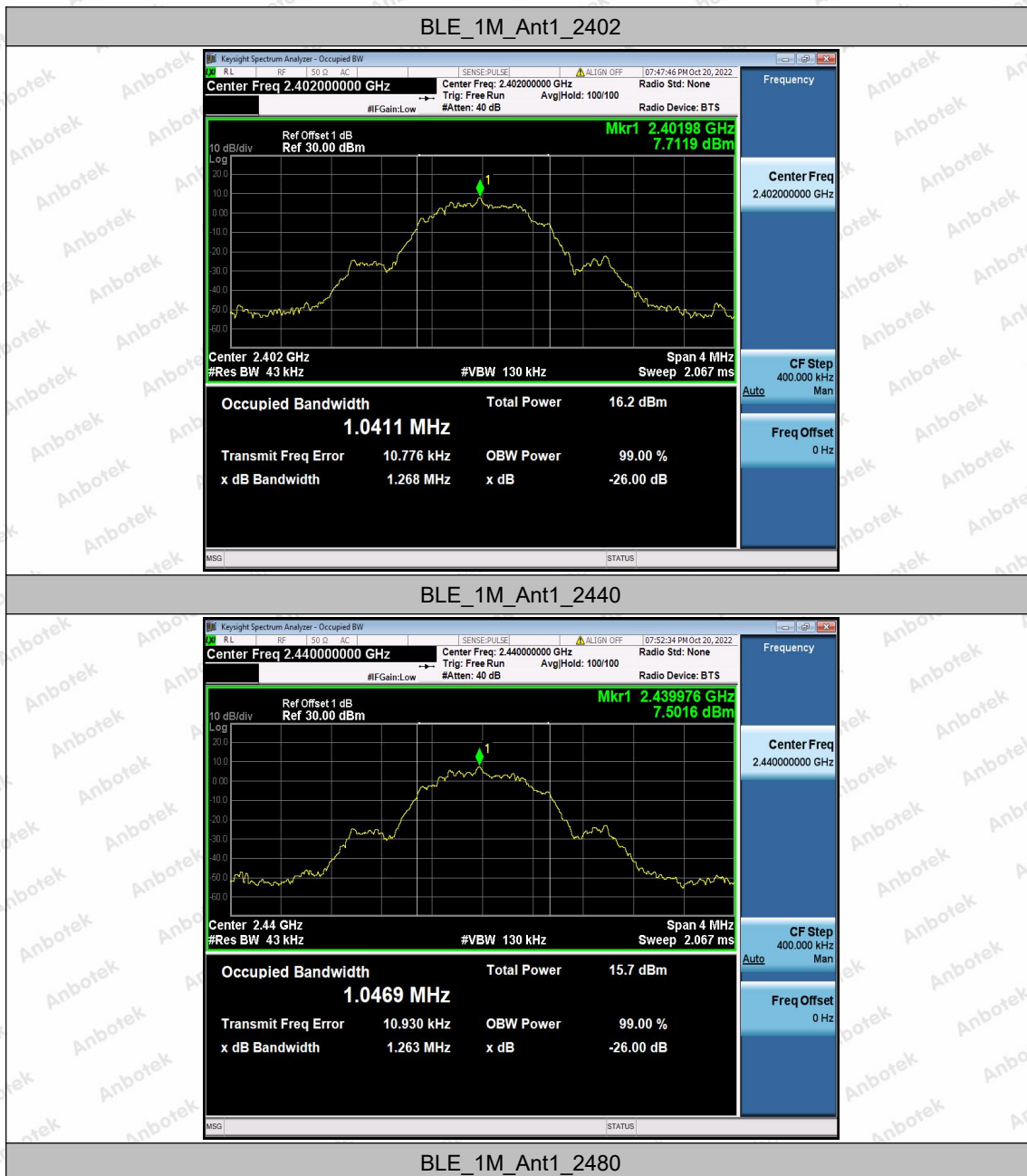
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0411	2401.4902	2402.5313
		2440	1.0469	2439.4875	2440.5344
		2480	1.0436	2479.4876	2480.5312



Test Graphs



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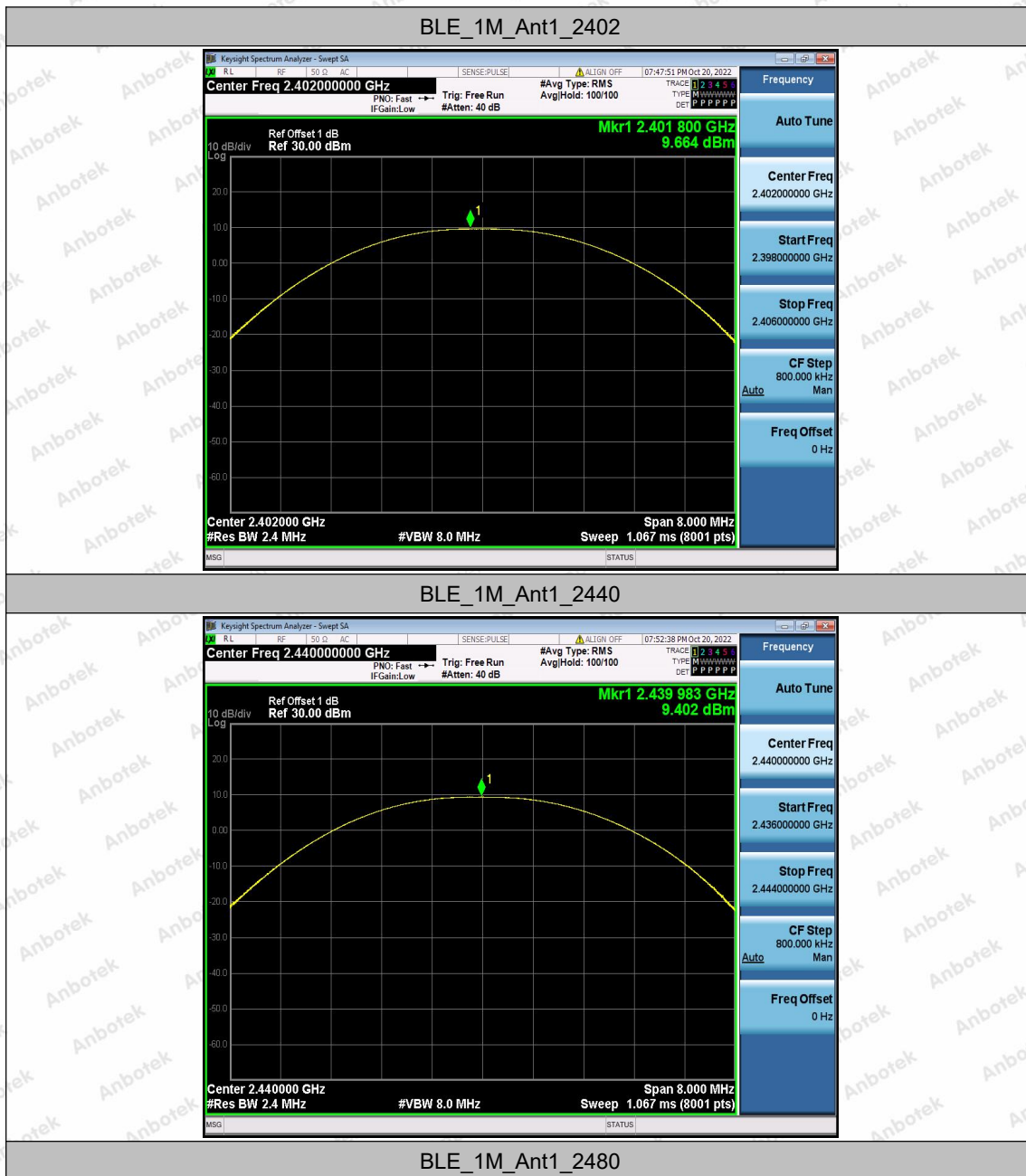
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	9.66	≤30	PASS
		2440	9.4	≤30	PASS
		2480	9.24	≤30	PASS



Test Graphs Peak



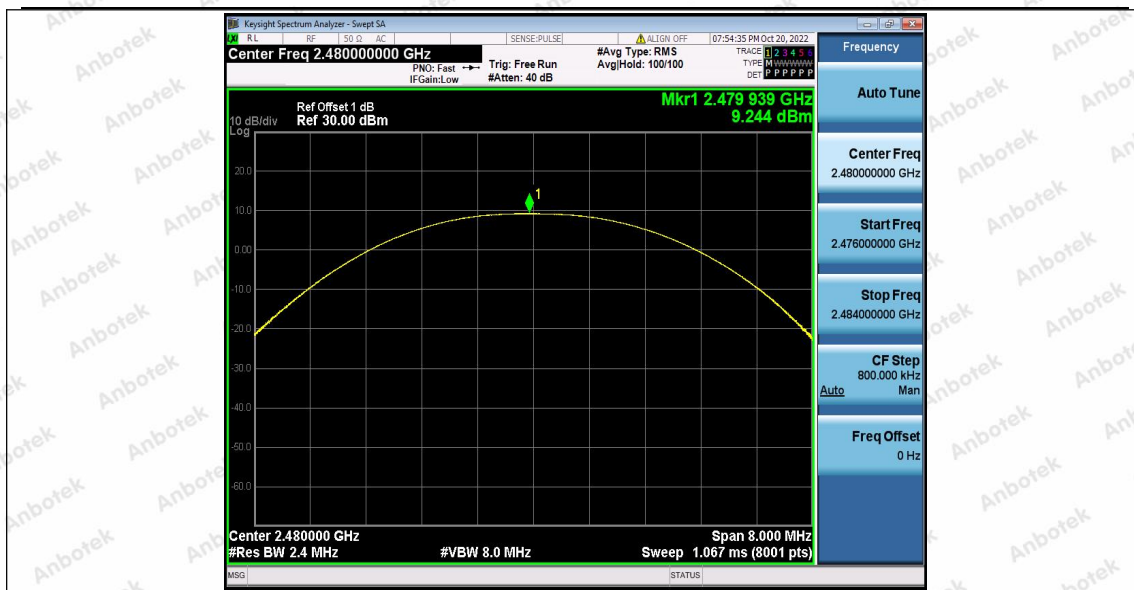
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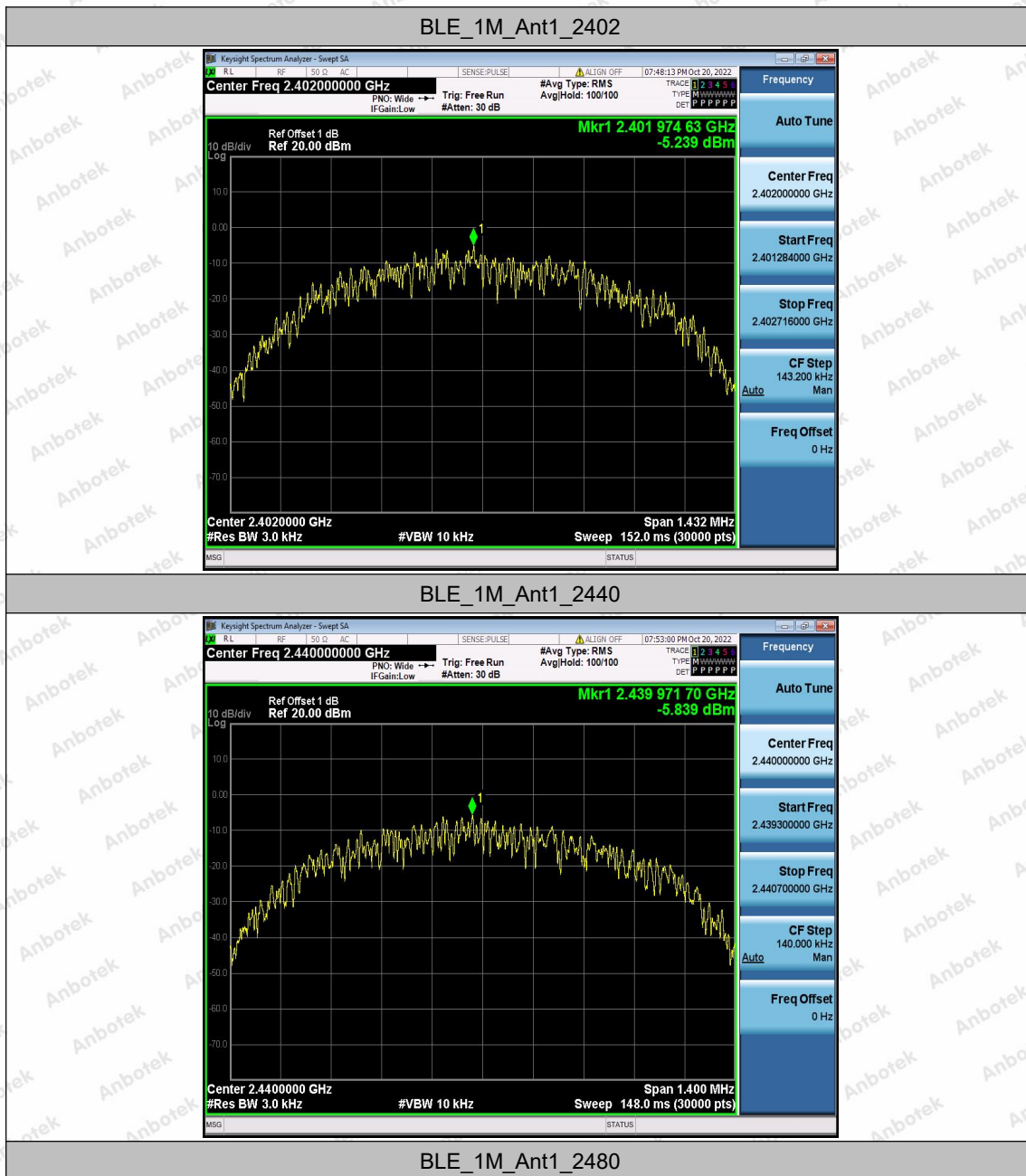
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.24	≤8.00	PASS
		2440	-5.84	≤8.00	PASS
		2480	-6.88	≤8.00	PASS



Test Graphs



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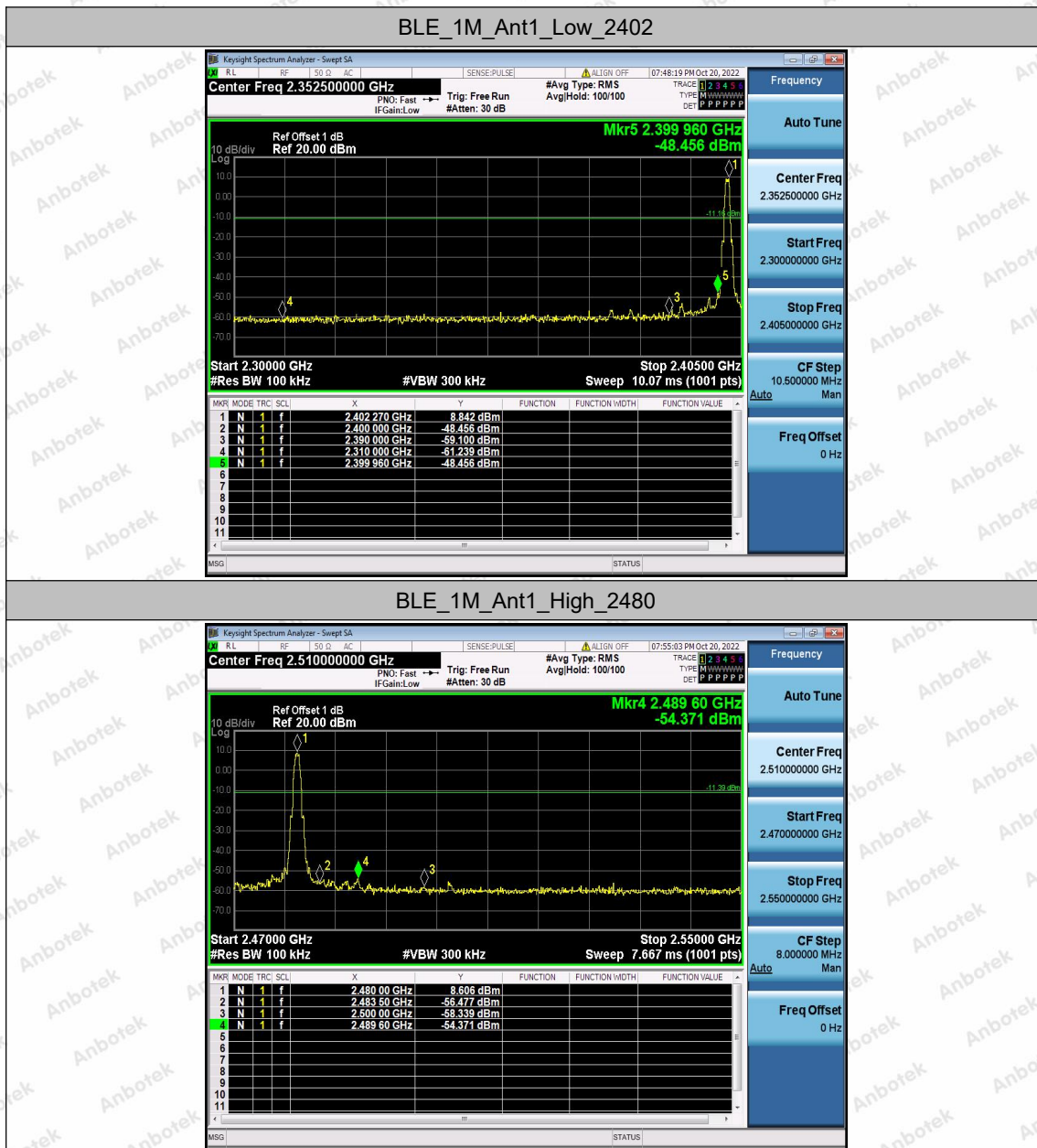
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	8.84	-48.46	≤-11.16	PASS
		High	2480	8.61	-54.37	≤-11.39	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	8.70	8.70	---	PASS
			30~1000	8.70	-67.78	≤-11.3	PASS
			1000~26500	8.70	-53.05	≤-11.3	PASS
		2440	Reference	8.27	8.27	---	PASS
			30~1000	8.27	-68.45	≤-11.73	PASS
			1000~26500	8.27	-53.23	≤-11.73	PASS
		2480	Reference	7.62	7.62	---	PASS
			30~1000	7.62	-67.73	≤-12.38	PASS
			1000~26500	7.62	-53.53	≤-12.38	PASS

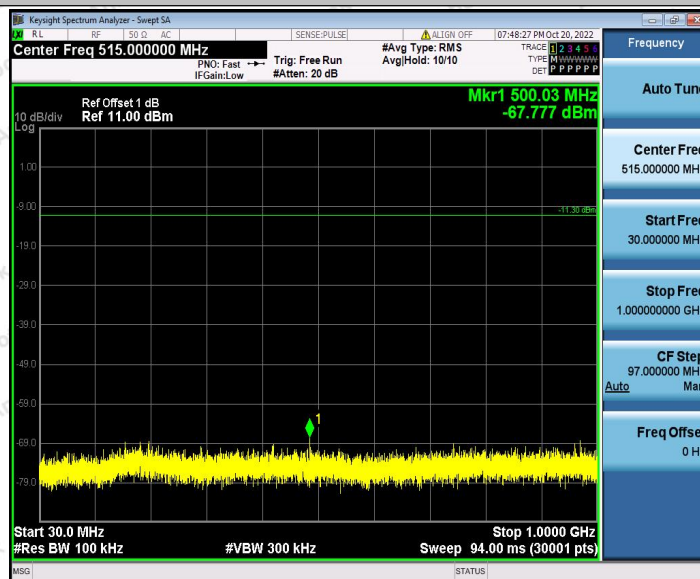


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

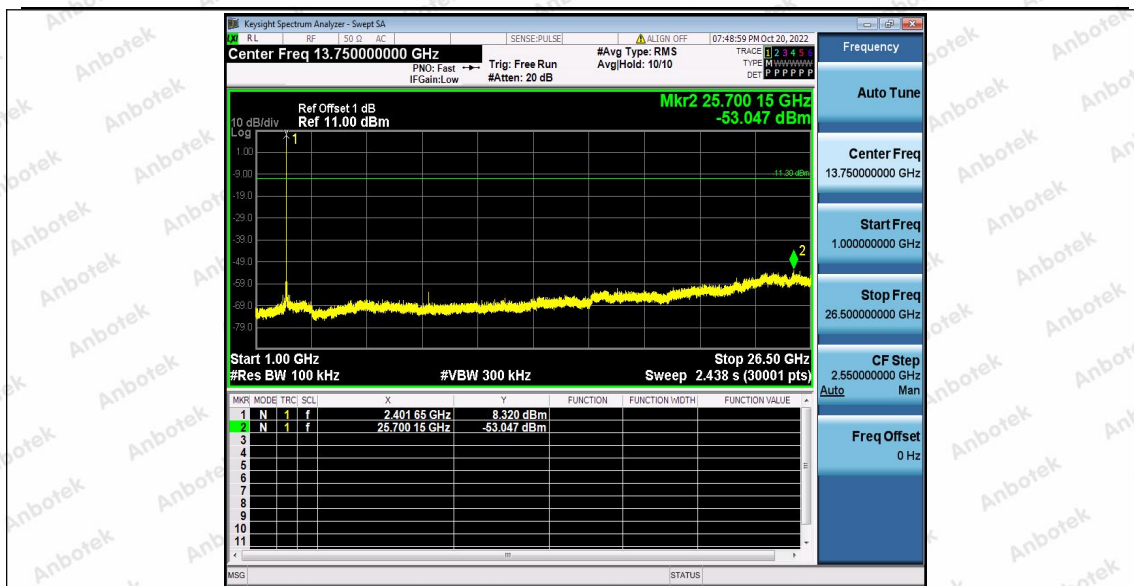
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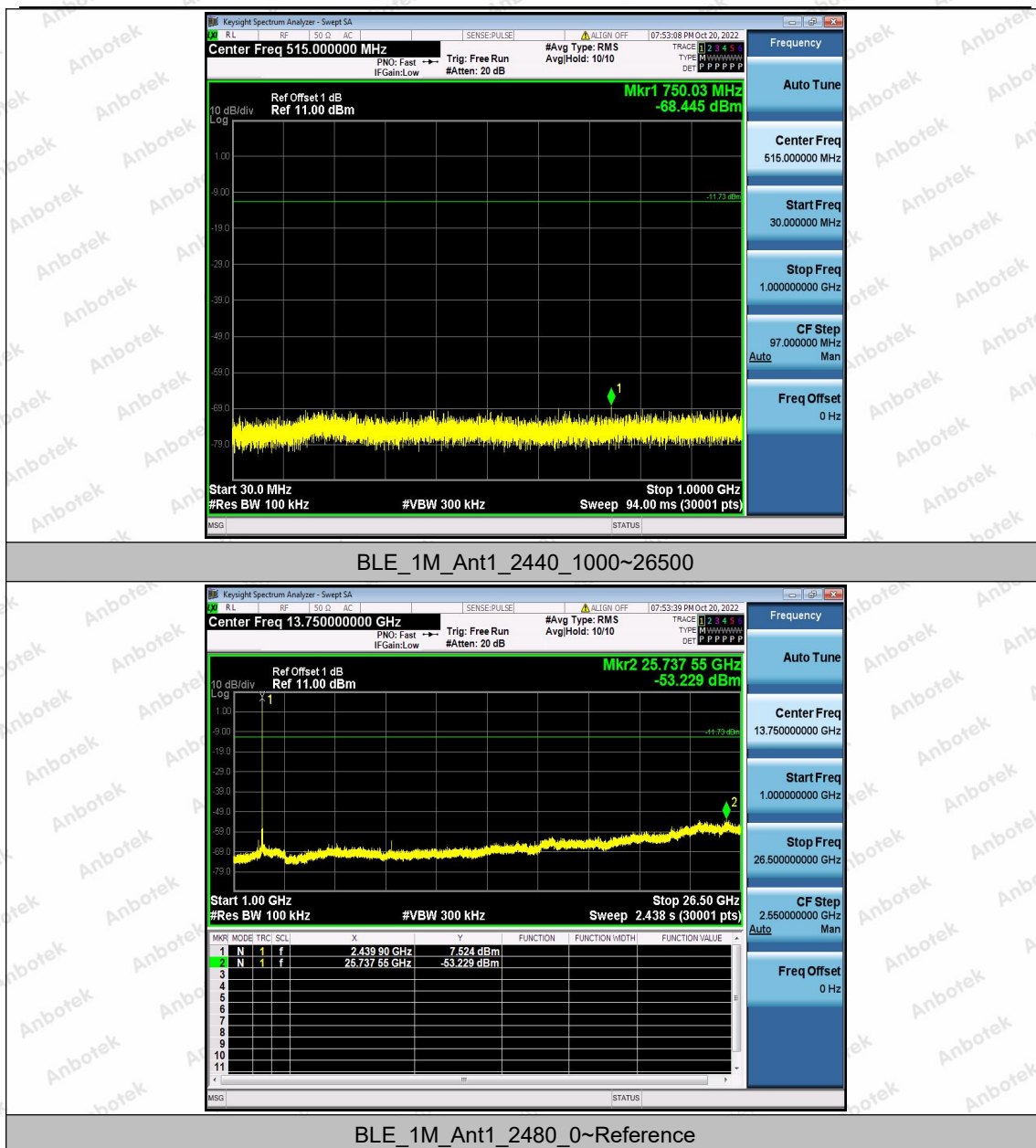


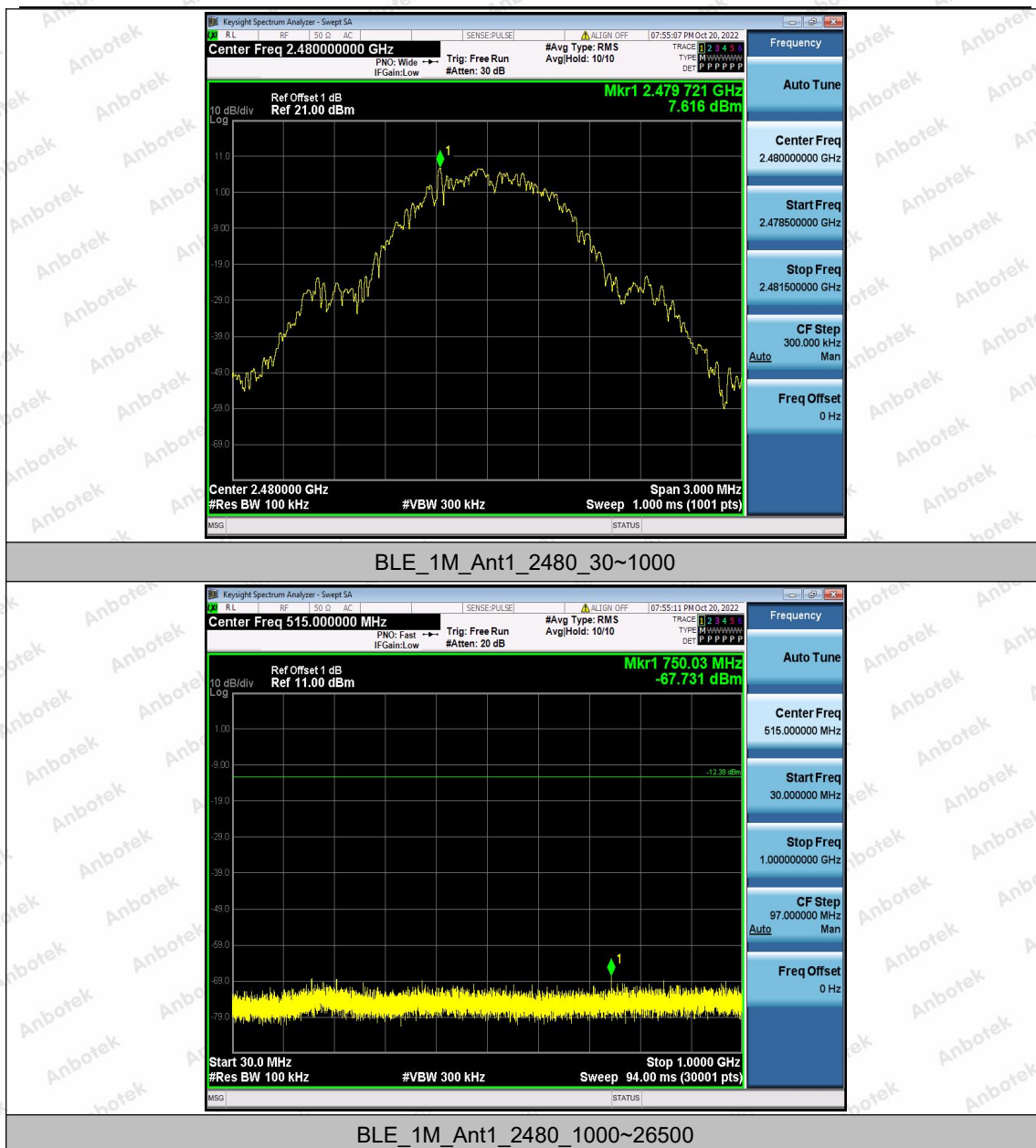
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000







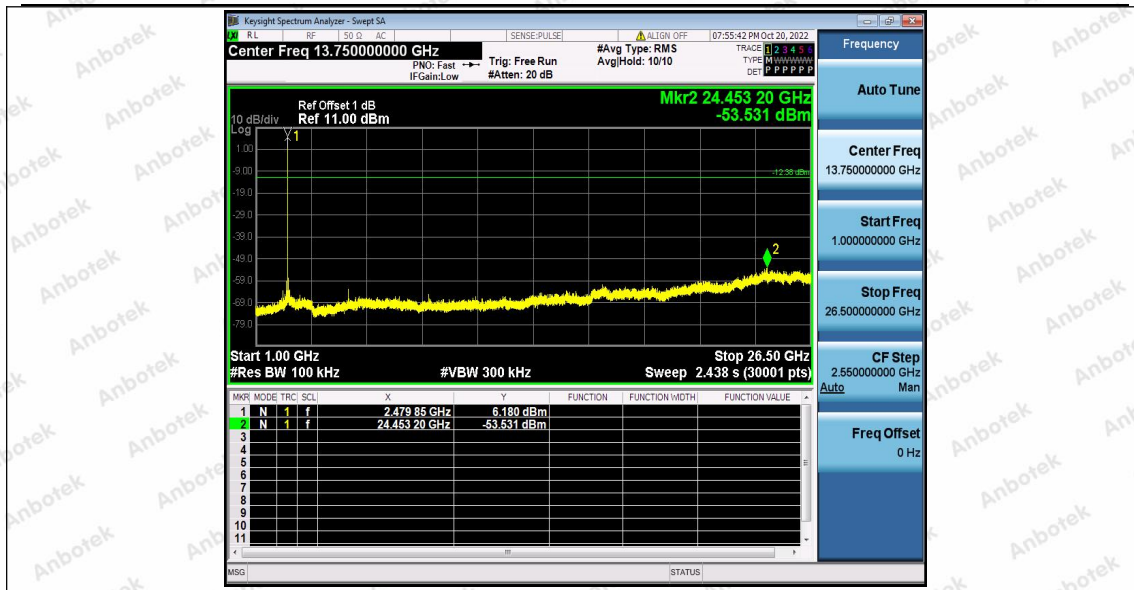
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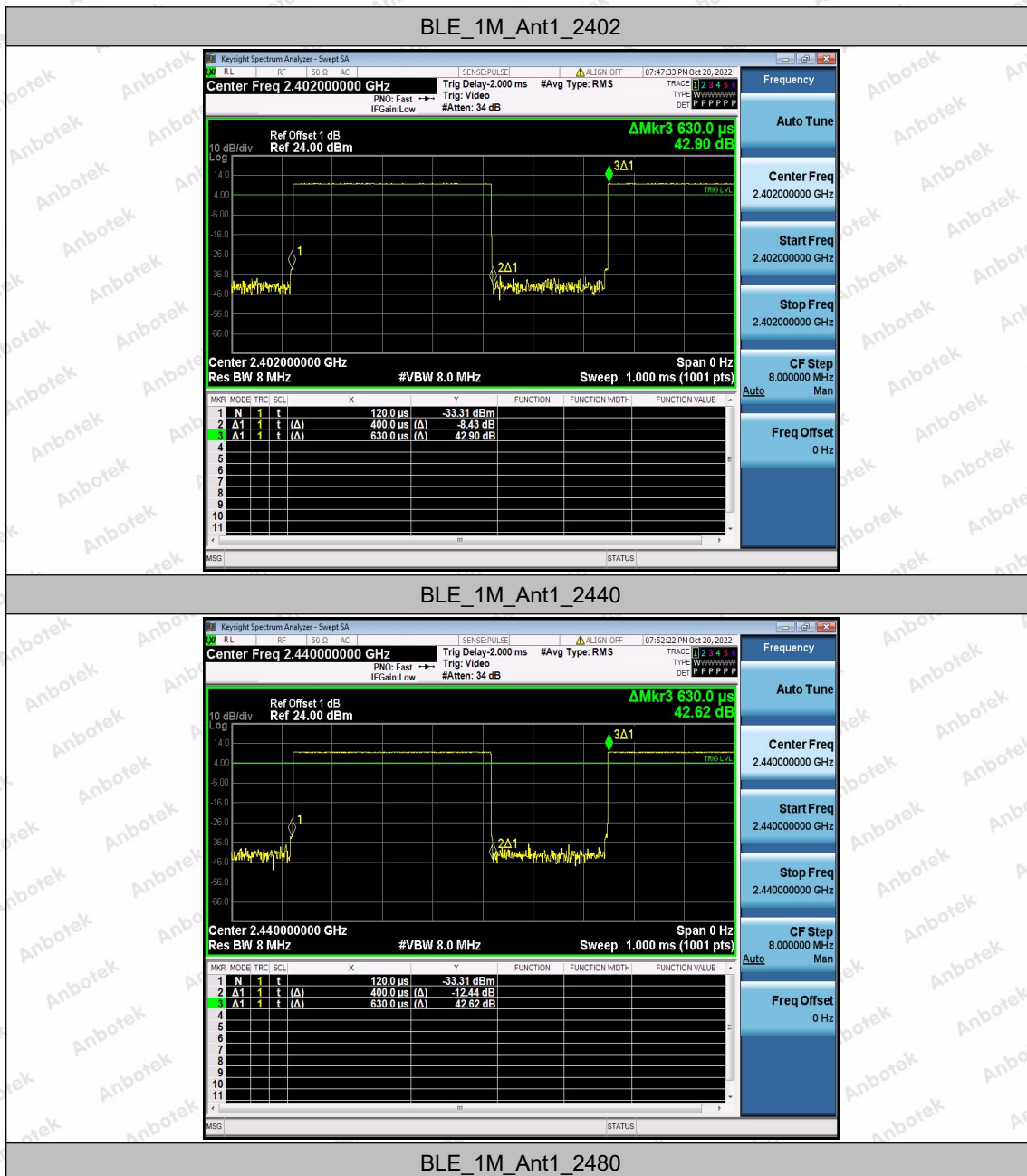
Appendix G: Duty Cycle

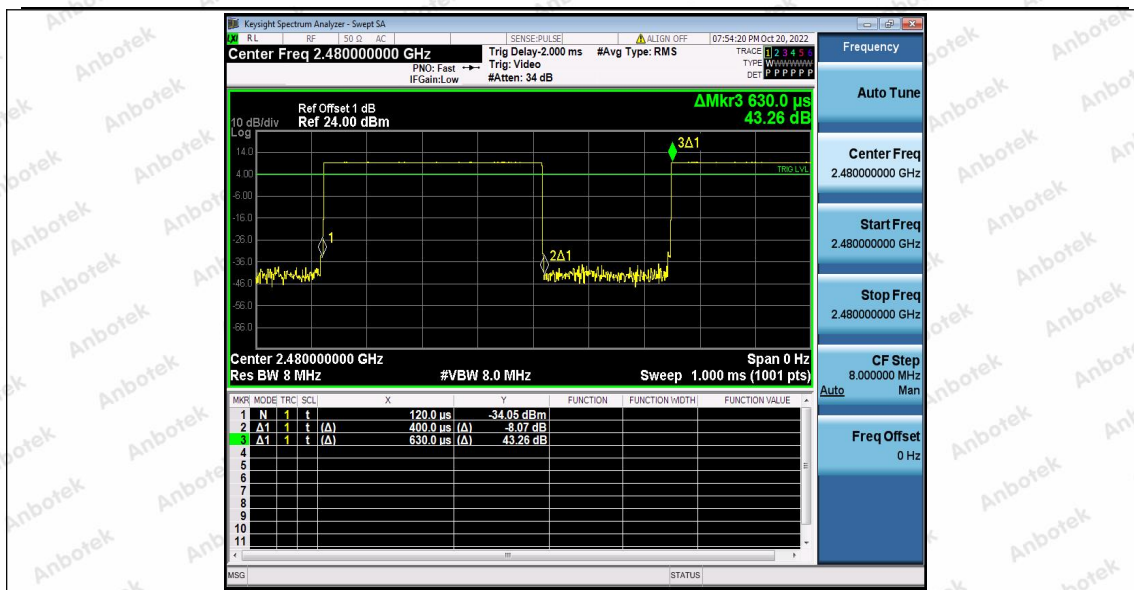
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97



Test Graphs





---End---

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