

Appendix Test Data

Report No.:	18220WC20247101	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	0.732	2401.632	2402.364	0.5	PASS
		2440	0.716	2439.652	2440.368	0.5	PASS
		2480	0.728	2479.636	2480.364	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	1.0398	2401.4914	2402.5312
		2440	1.0494	2439.4821	2440.5315
		2480	1.0416	2479.4868	2480.5284

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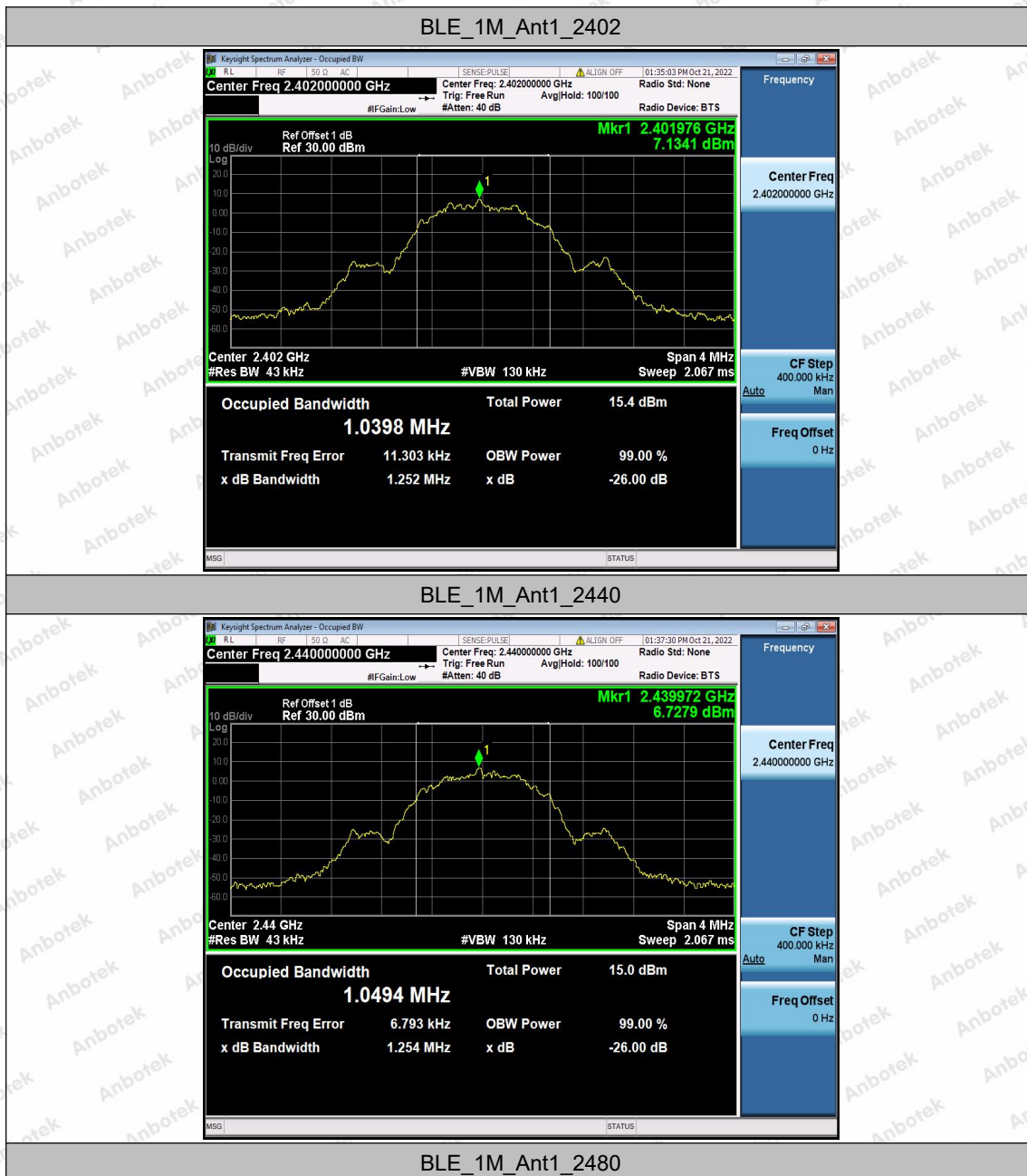
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Test Graphs



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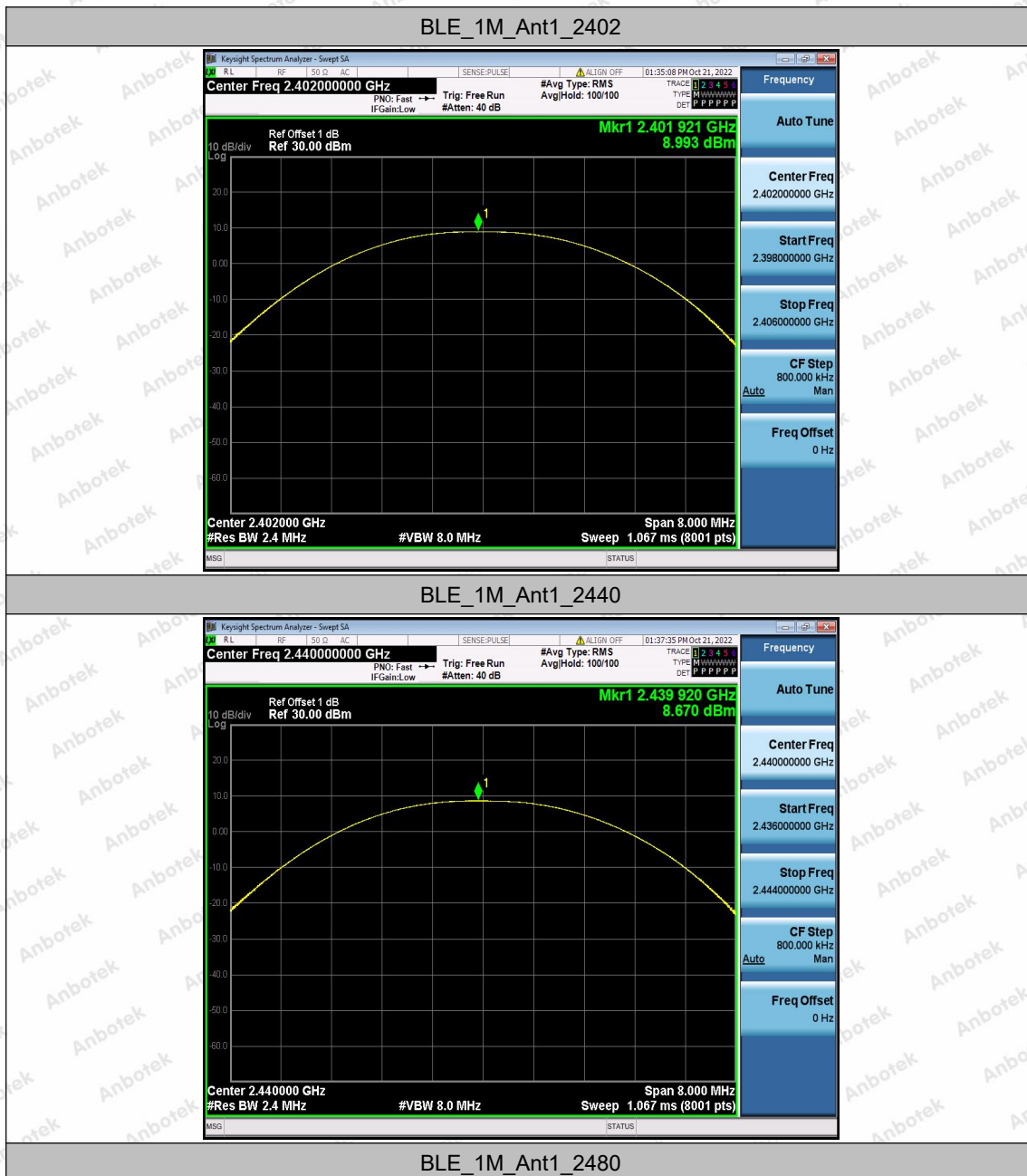
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.99	≤30	PASS
		2440	8.67	≤30	PASS
		2480	8.37	≤30	PASS



Test Graphs Peak



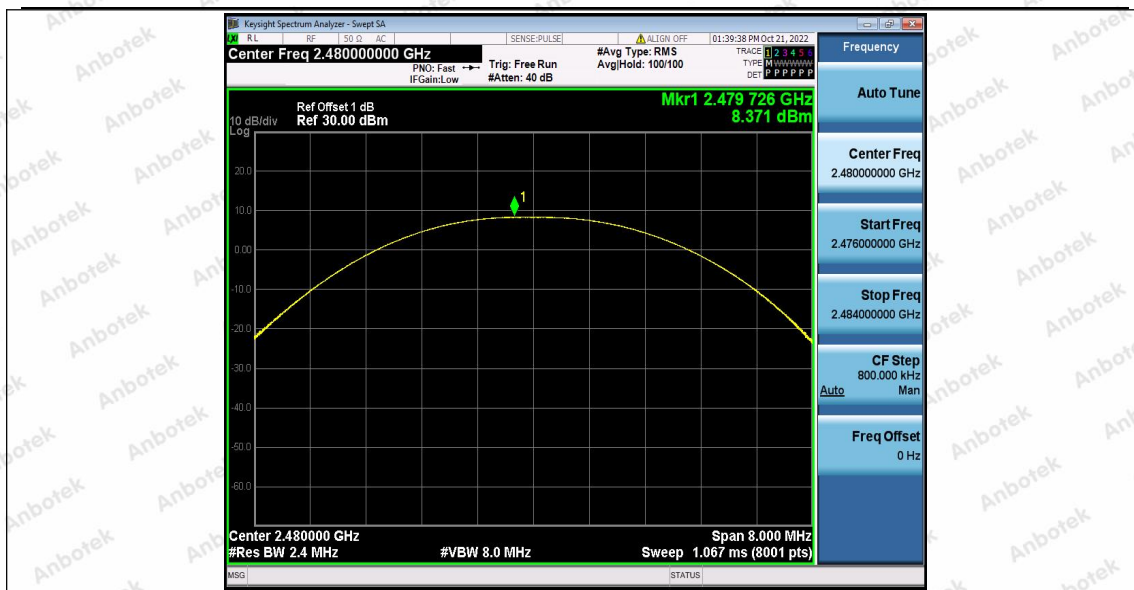
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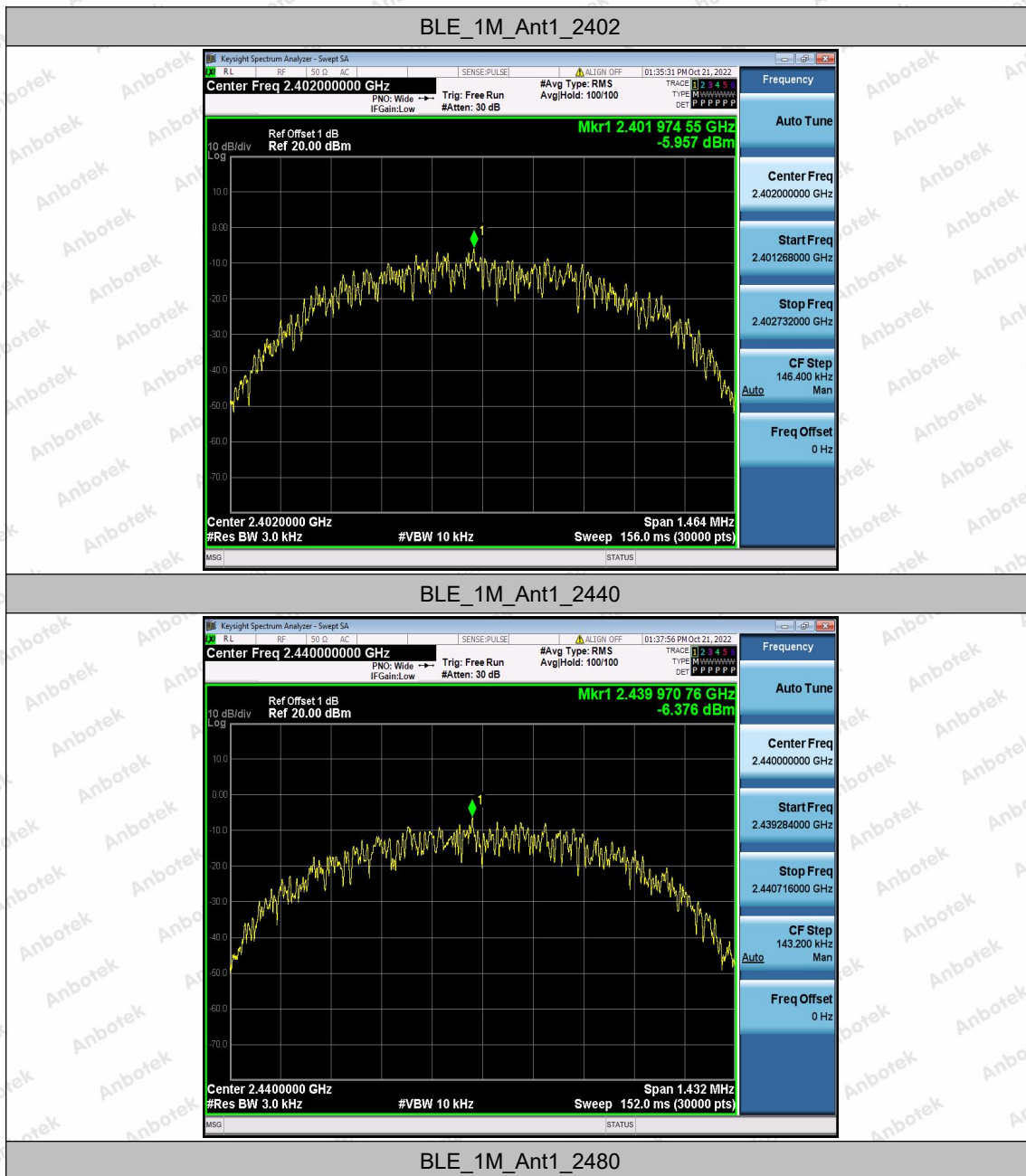
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.96	≤8.00	PASS
		2440	-6.38	≤8.00	PASS
		2480	-7	≤8.00	PASS



Test Graphs



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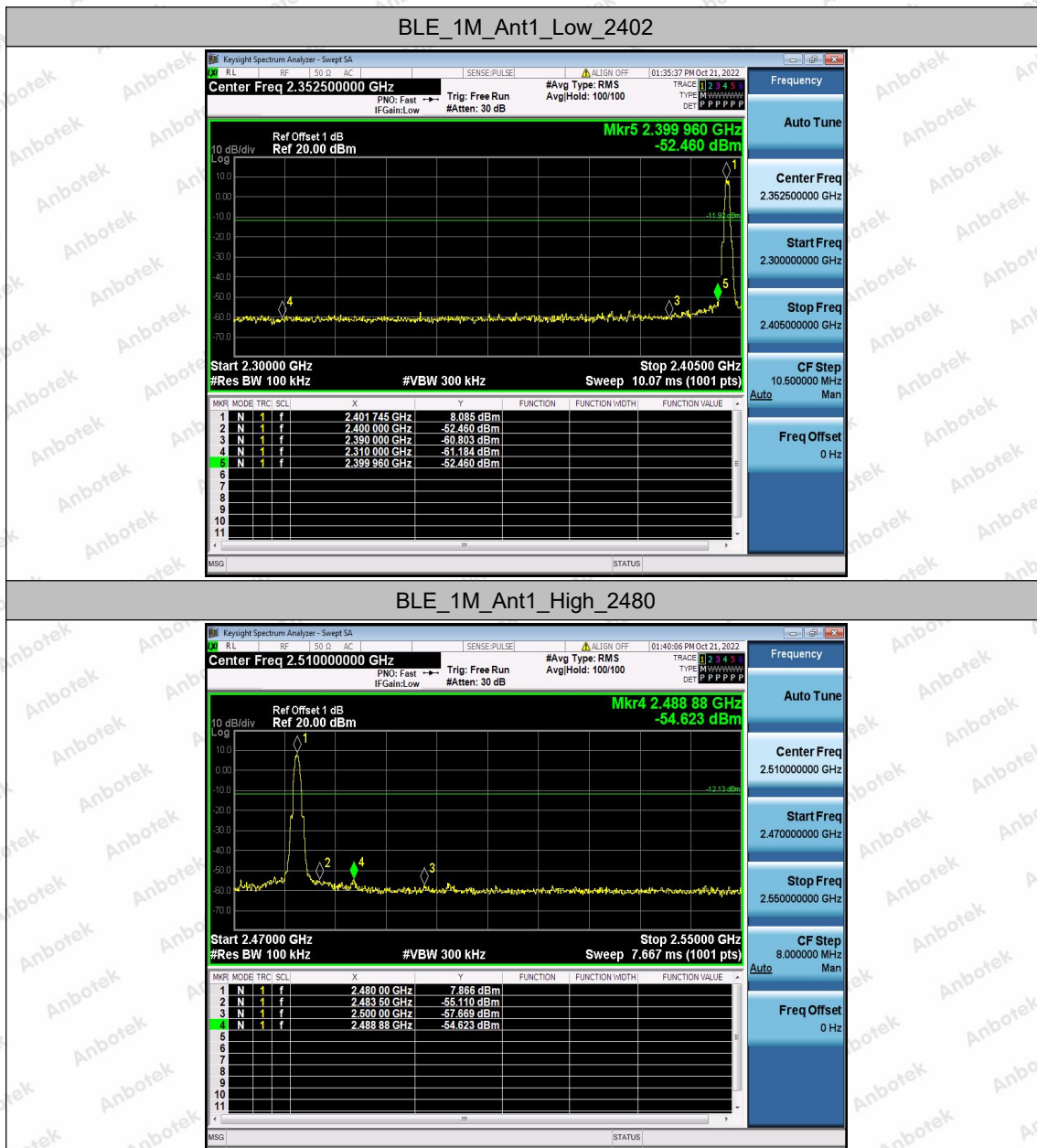
Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	8.09	-52.46	≤-11.92	PASS
		High	2480	7.87	-54.62	≤-12.13	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	7.90	7.90	---	PASS
			30~1000	7.90	-68.66	≤-12.1	PASS
			1000~26500	7.90	-53.31	≤-12.1	PASS
		2440	Reference	6.53	6.53	---	PASS
			30~1000	6.53	-68.42	≤-13.47	PASS
			1000~26500	6.53	-52.47	≤-13.47	PASS
		2480	Reference	6.60	6.60	---	PASS
			30~1000	6.60	-69.82	≤-13.4	PASS
			1000~26500	6.60	-52.98	≤-13.4	PASS

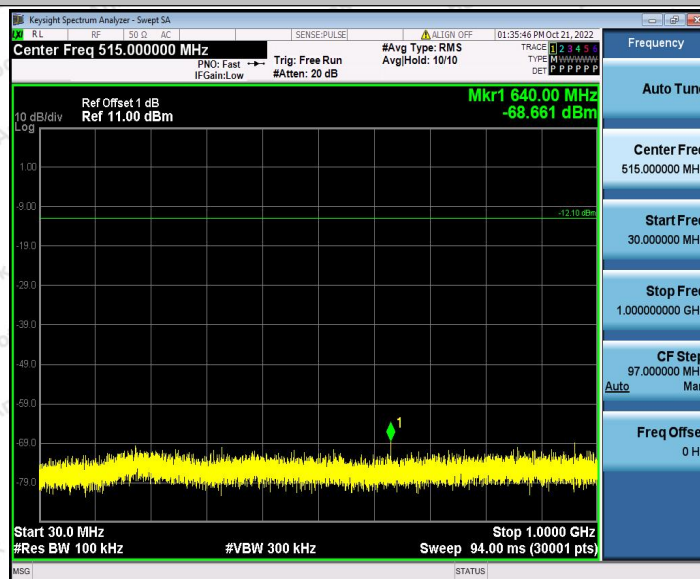


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

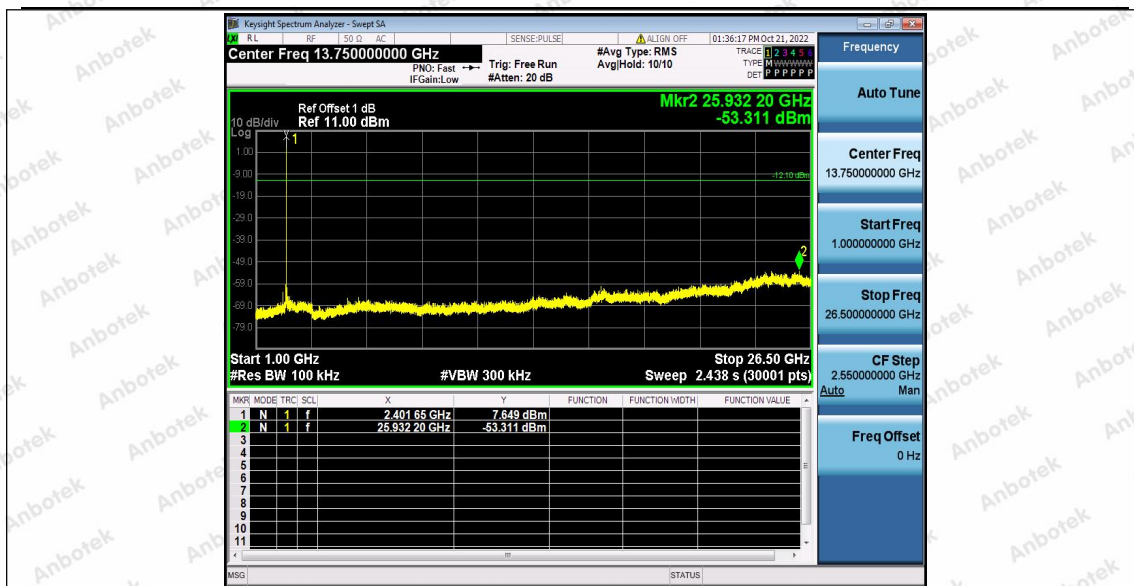
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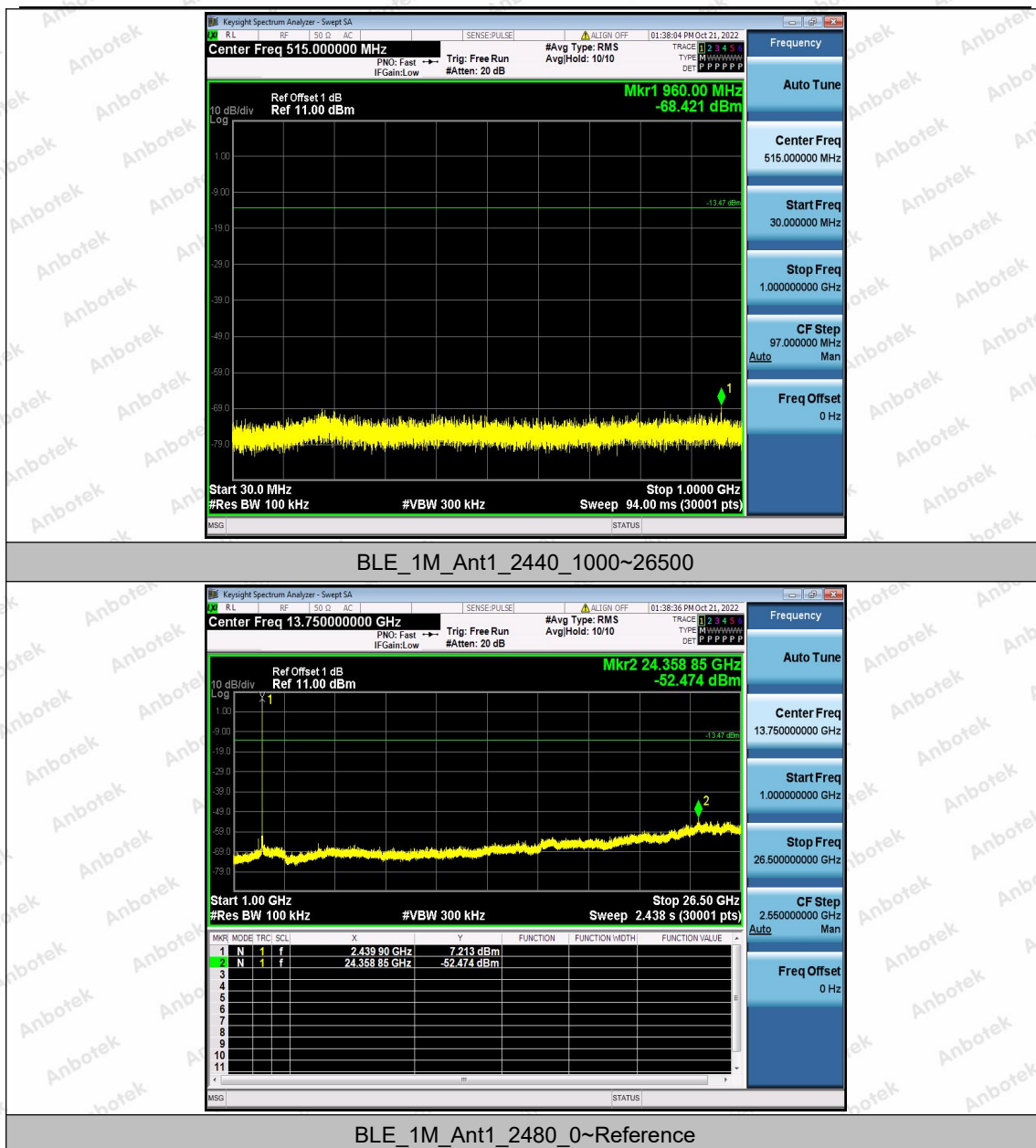


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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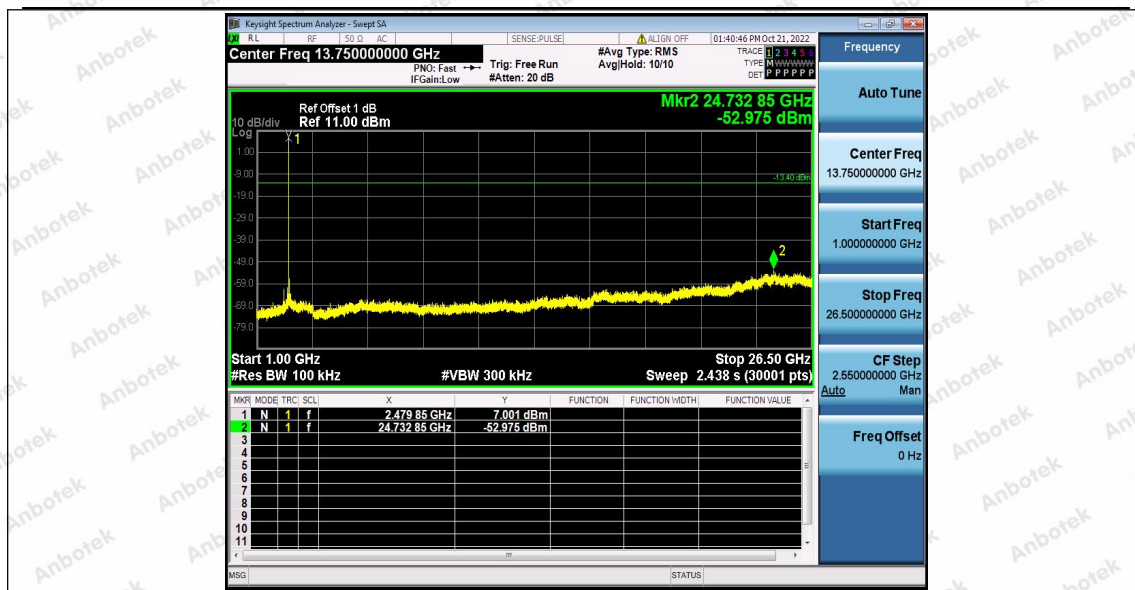
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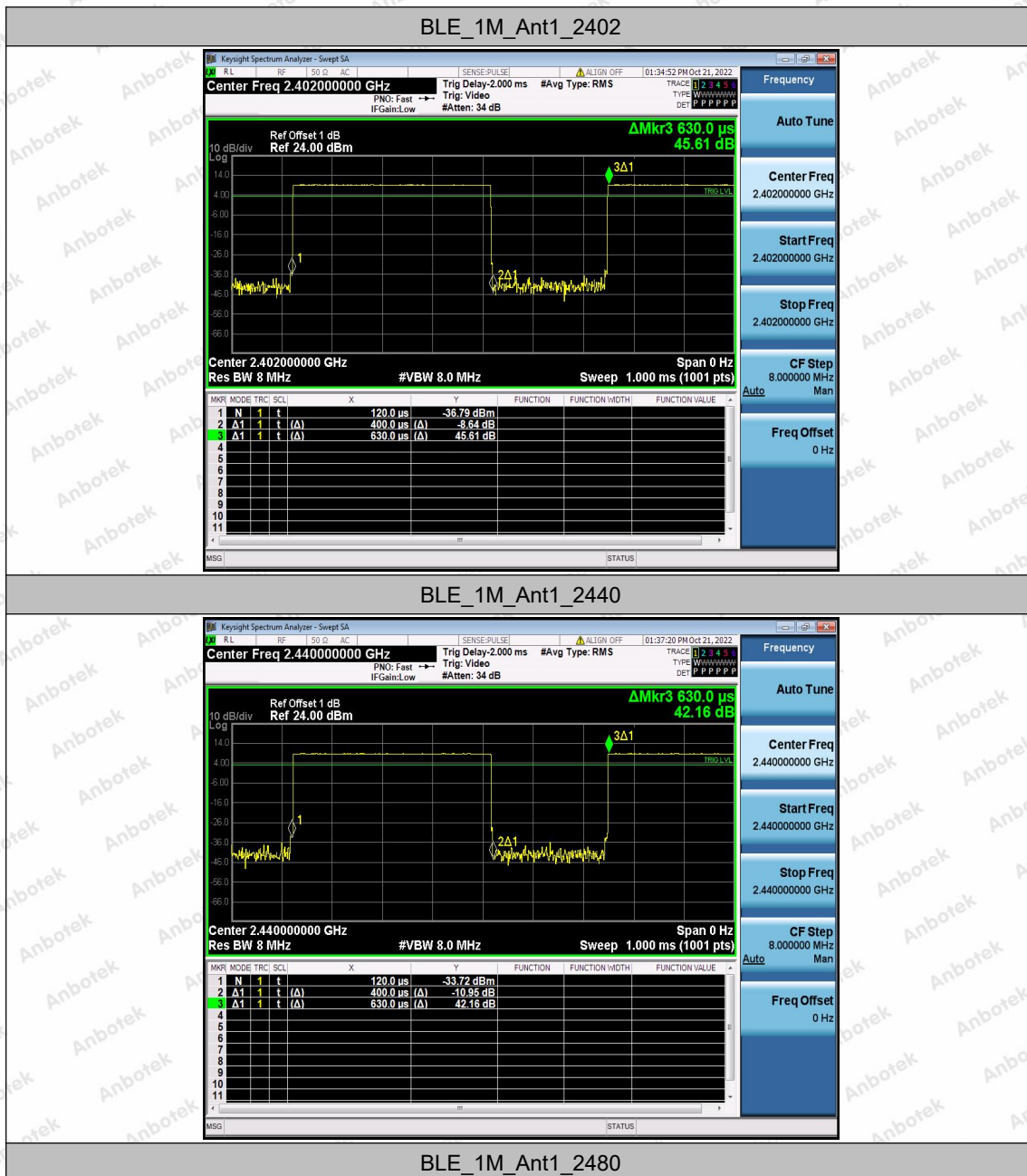
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	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



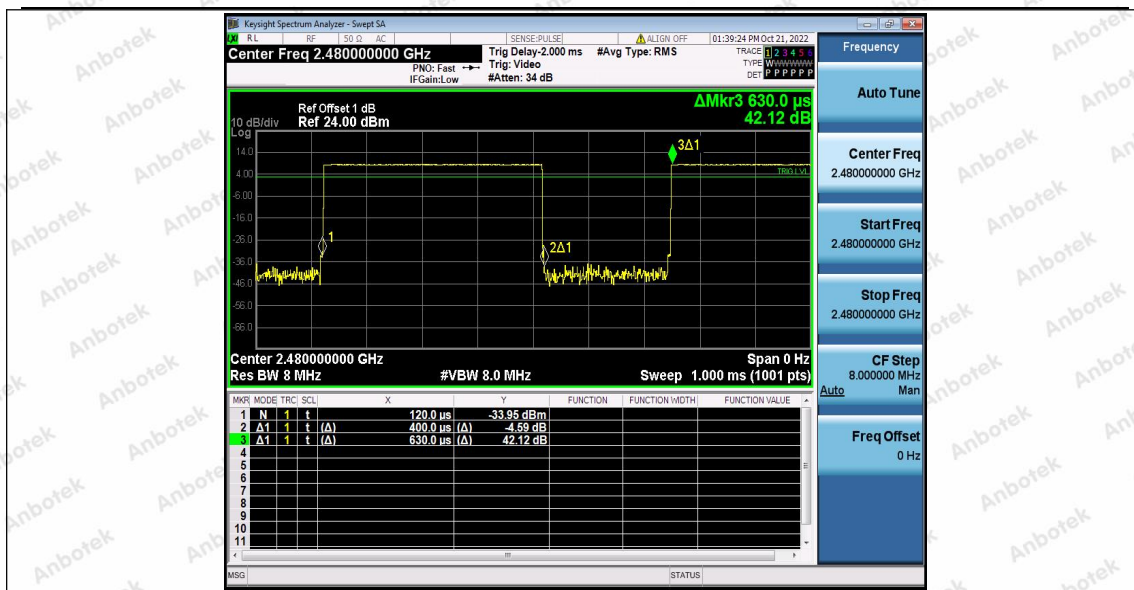
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