

Appendix Test Data

Report No.:	18220WC20275201	Test Sample No.:	1-2-2
Start Test Date:	2022.12.5	Finish Test Date:	2022.12.14
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	0.676	2401.660	2402.336	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.668	2479.668	2480.336	0.5	PASS



Test Graphs



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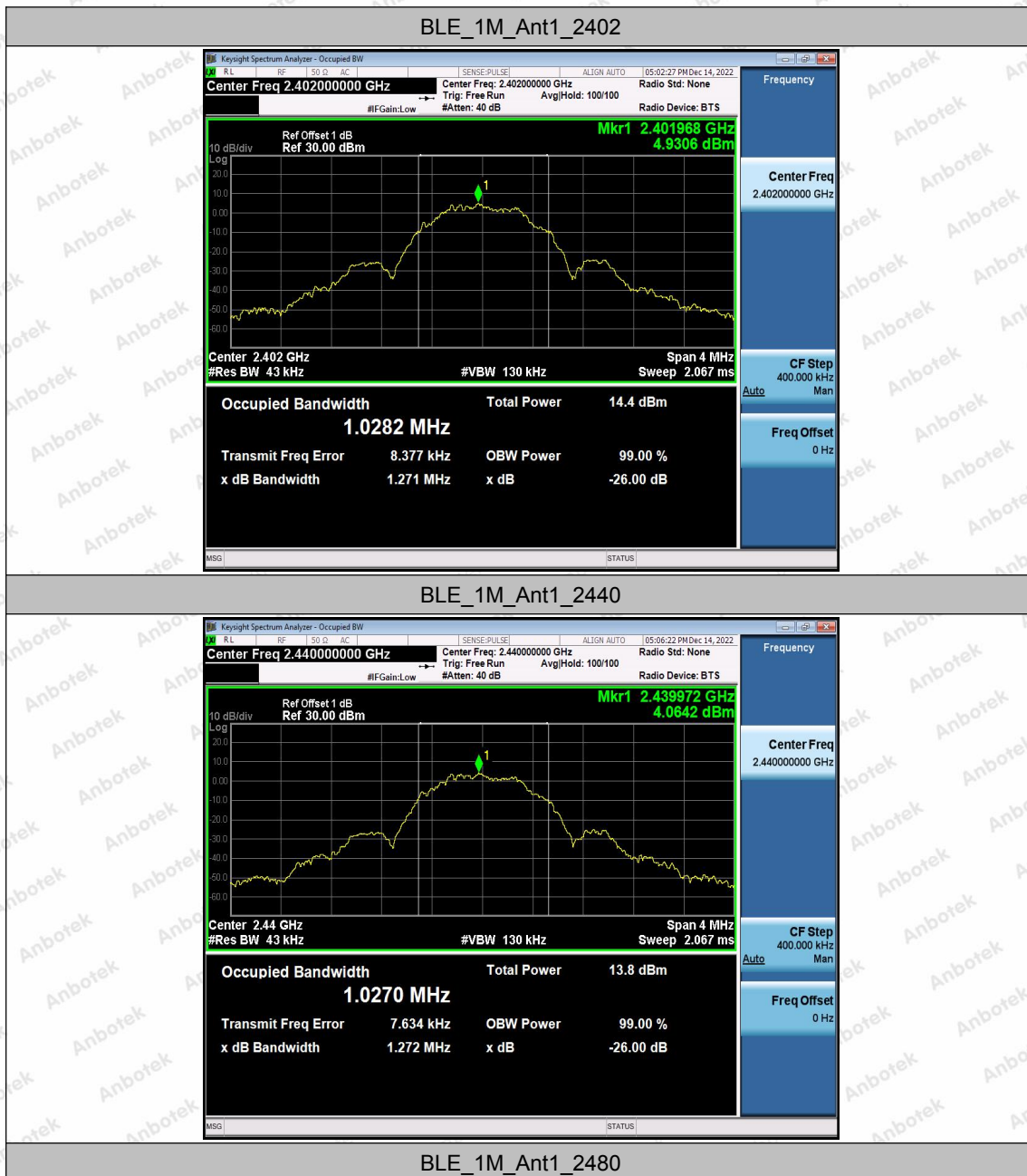
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0282	2401.4943	2402.5225
		2440	1.0270	2439.4941	2440.5211
		2480	1.0248	2479.4941	2480.5189



Test Graphs



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Appendix C: Maximum conducted output power

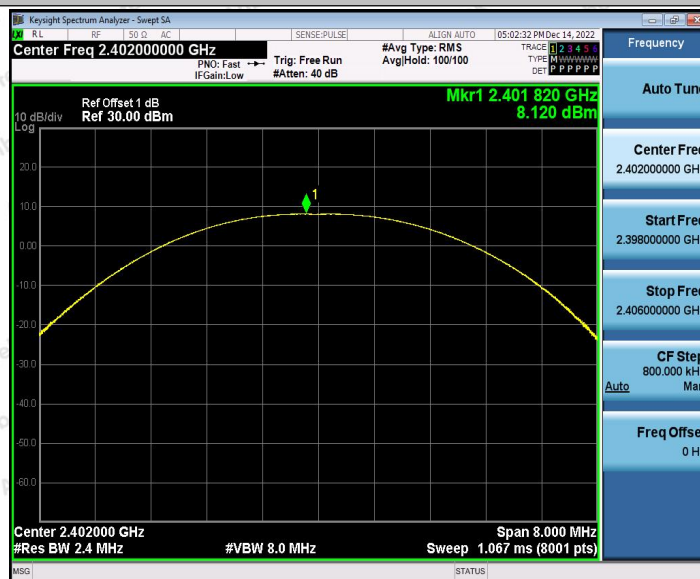
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.12	≤30	PASS
		2440	7.32	≤30	PASS
		2480	7.17	≤30	PASS

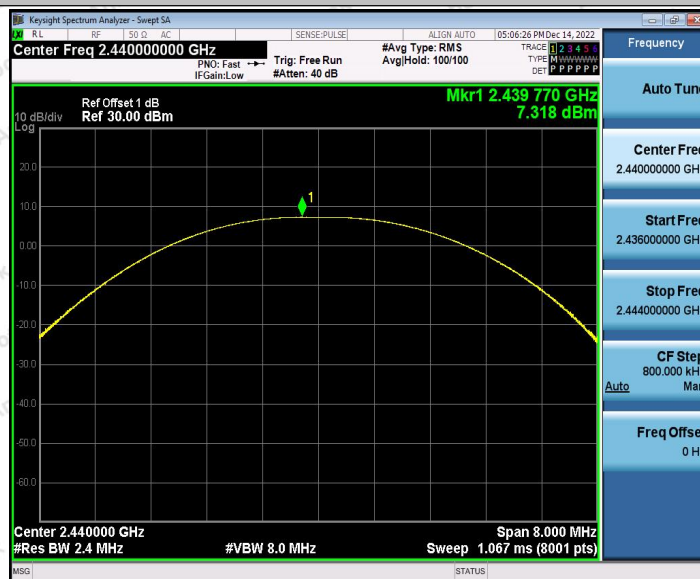


Test Graphs Peak

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

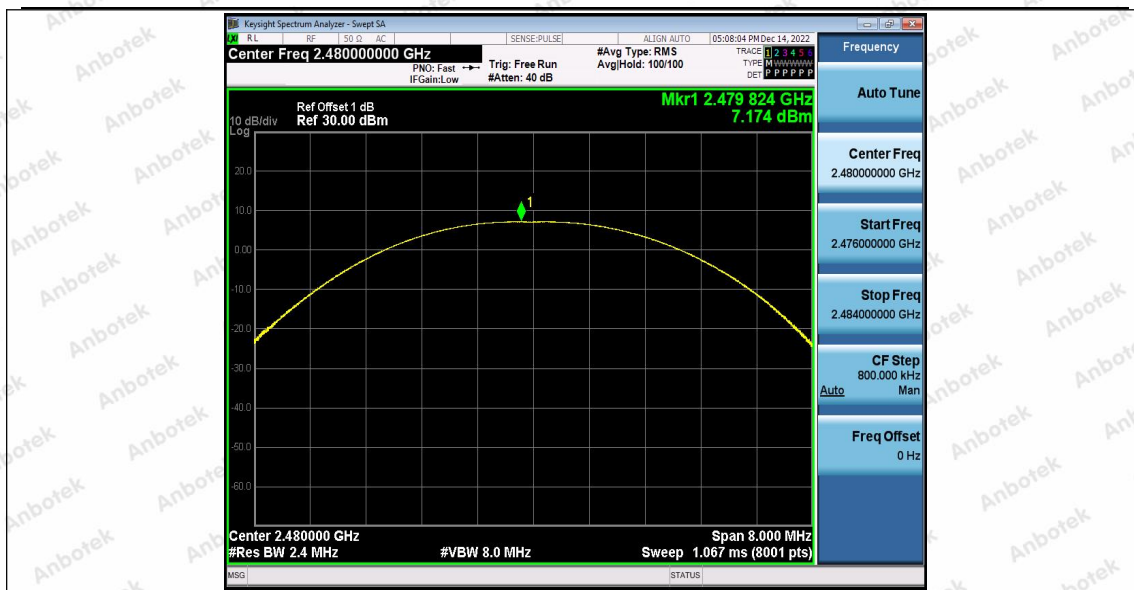
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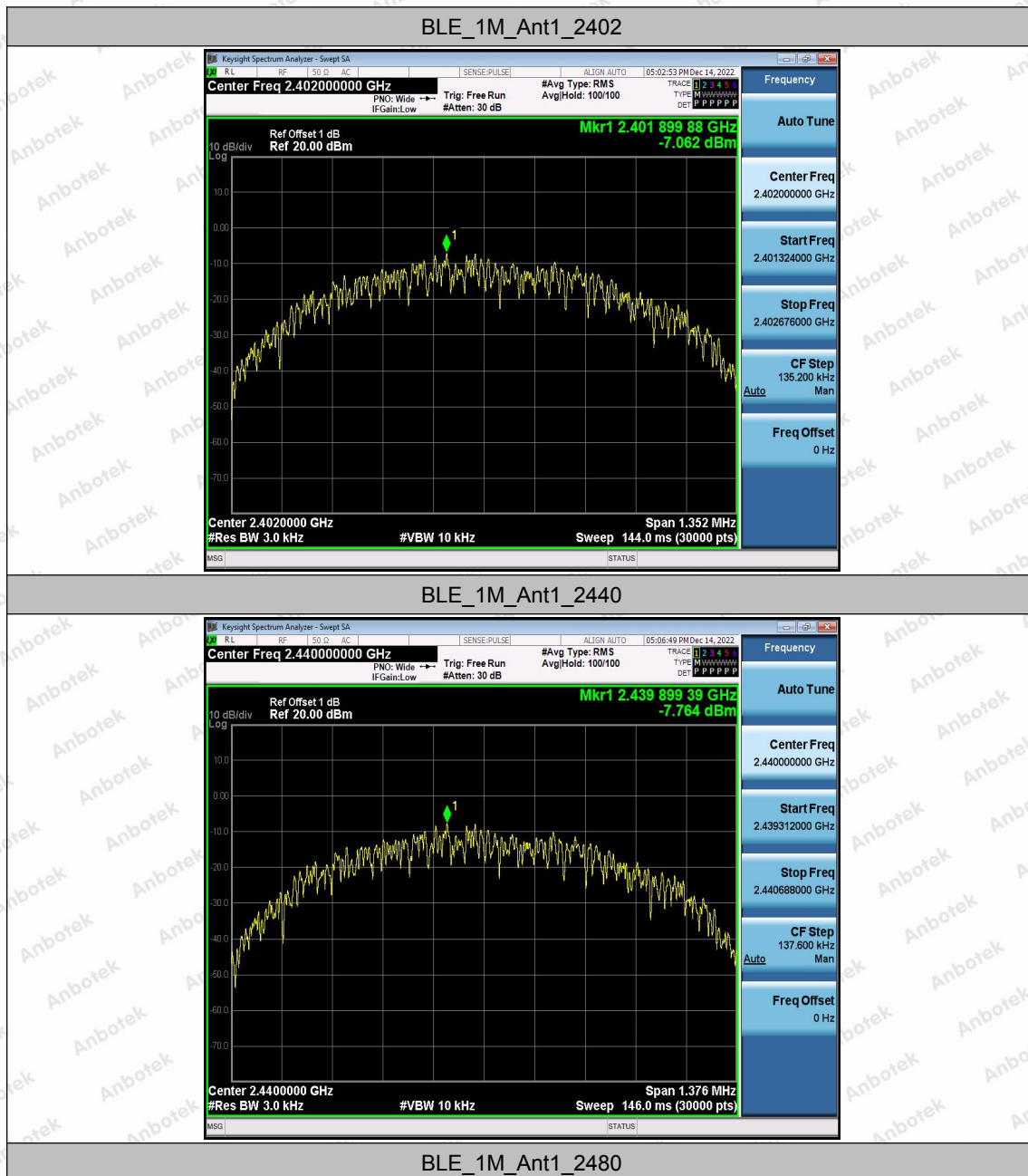
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.06	≤8.00	PASS
		2440	-7.76	≤8.00	PASS
		2480	-7.95	≤8.00	PASS



Test Graphs



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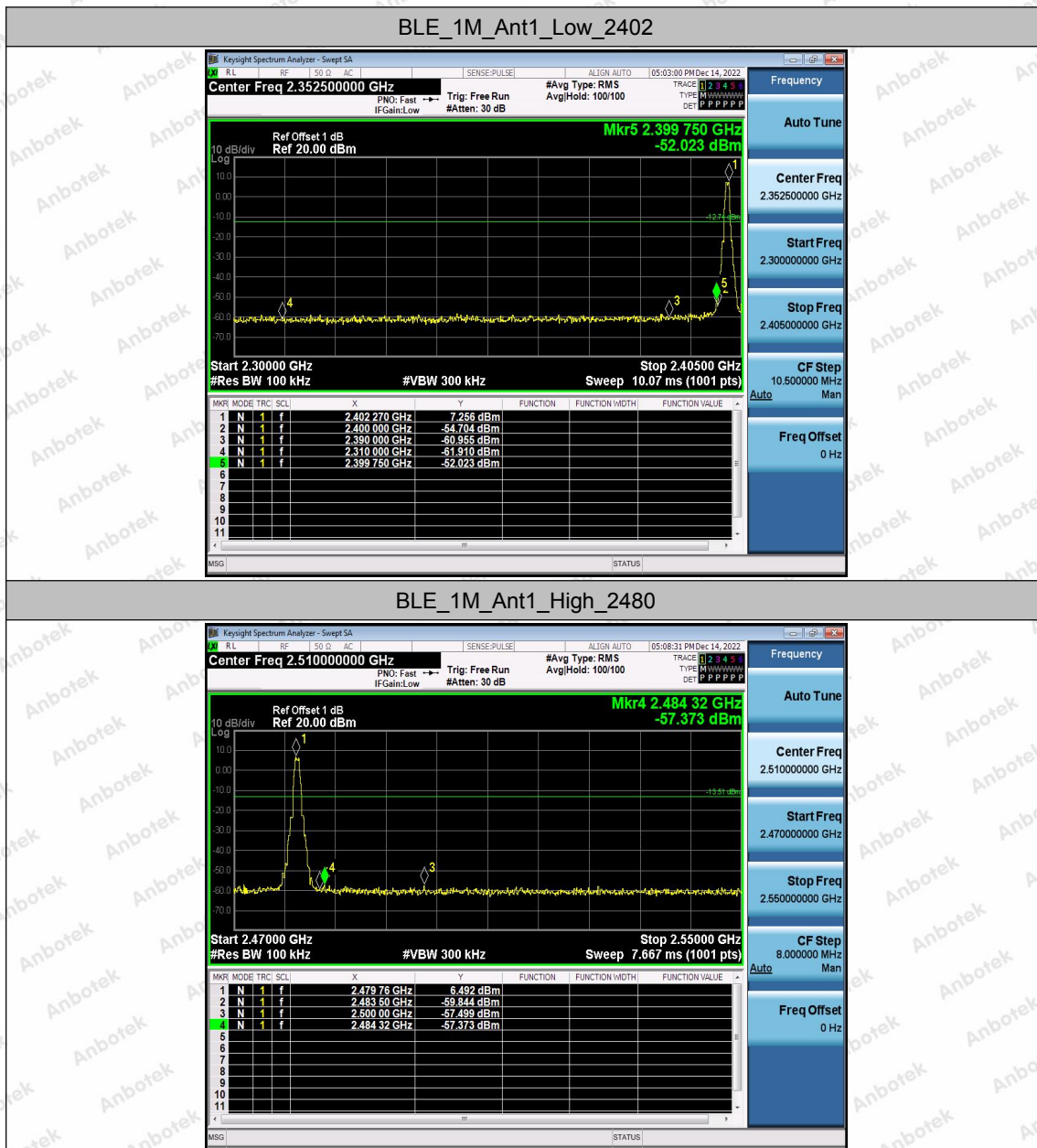
Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	7.26	-52.02	≤-12.74	PASS
		High	2480	6.49	-57.37	≤-13.51	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	6.43	6.43	---	PASS
			30~1000	6.43	-68.78	≤-13.57	PASS
			1000~26500	6.43	-53.25	≤-13.57	PASS
		2440	Reference	6.20	6.20	---	PASS
			30~1000	6.20	-68.5	≤-13.8	PASS
			1000~26500	6.20	-53.53	≤-13.8	PASS
		2480	Reference	6.20	6.20	---	PASS
			30~1000	6.20	-68.82	≤-13.8	PASS
			1000~26500	6.20	-53.79	≤-13.8	PASS

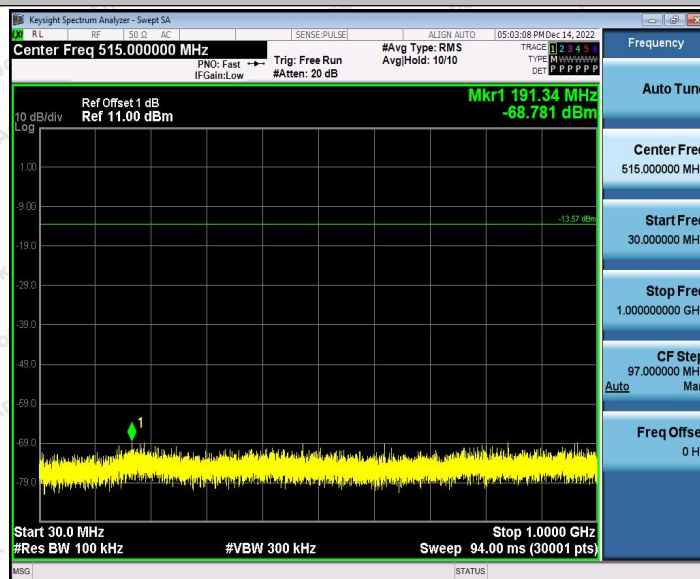


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

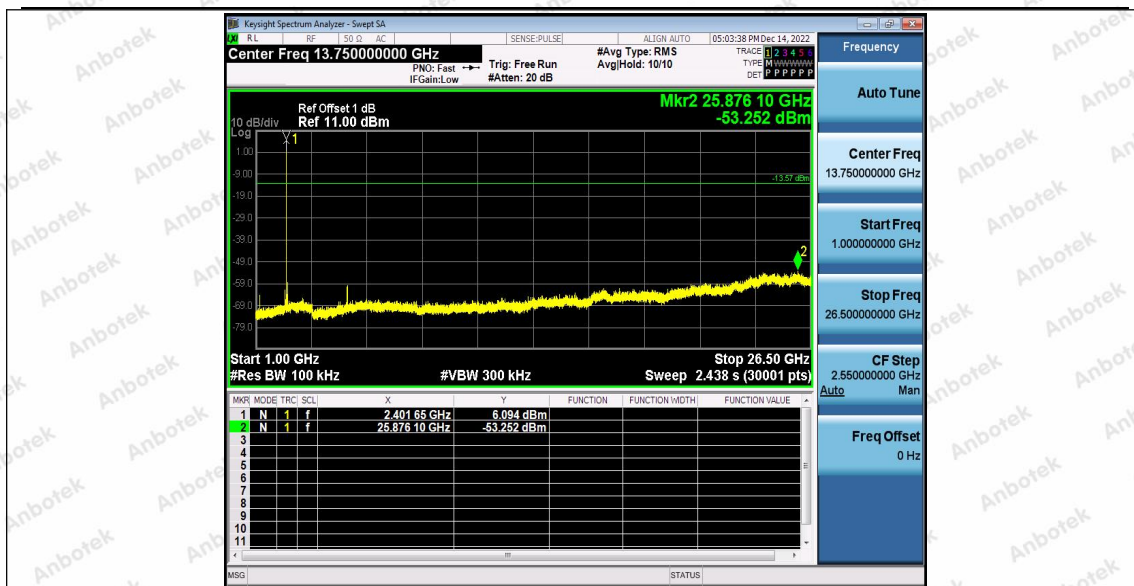
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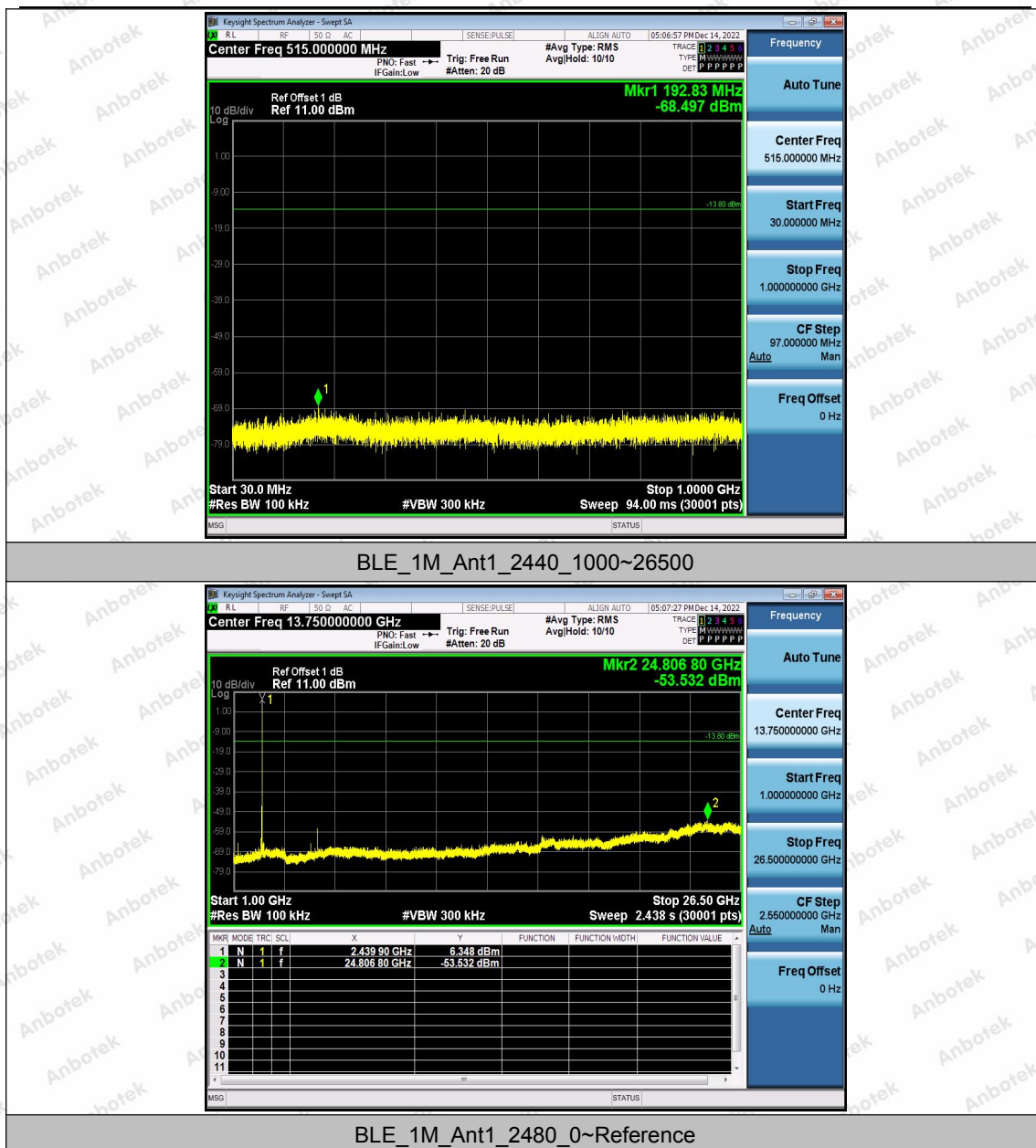


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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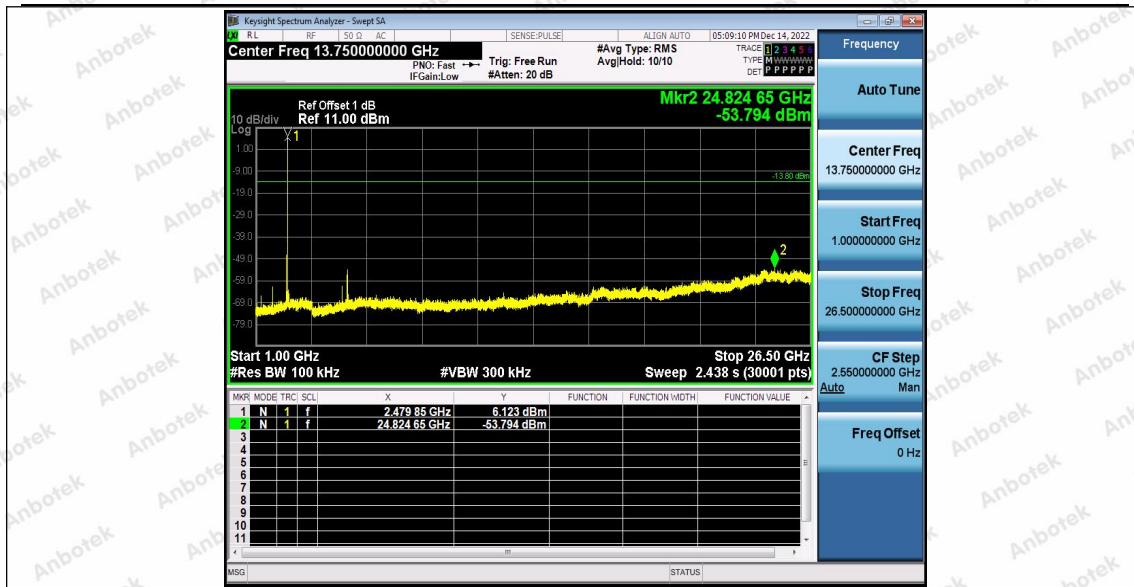
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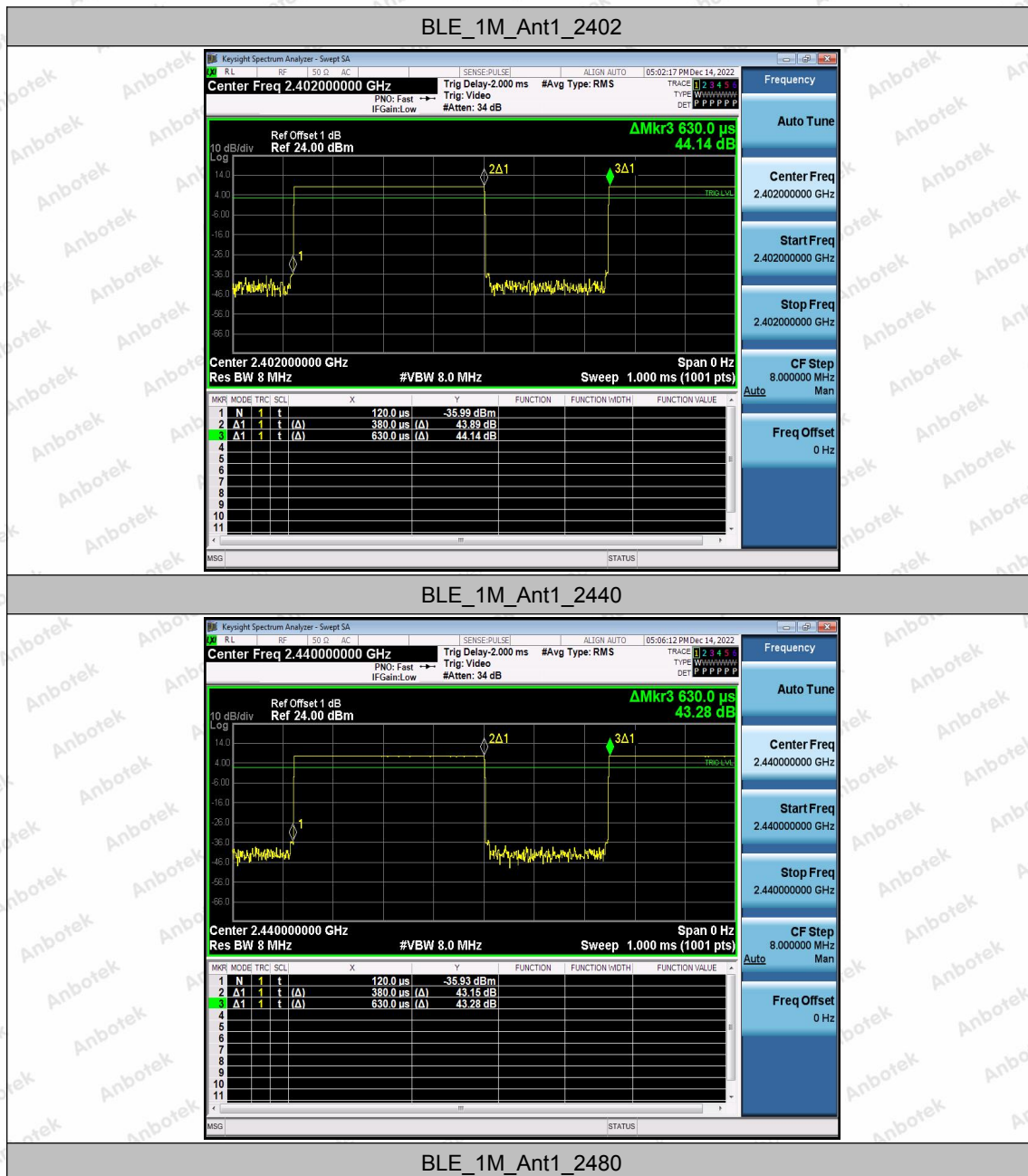
Appendix G: Duty Cycle

Test Result

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



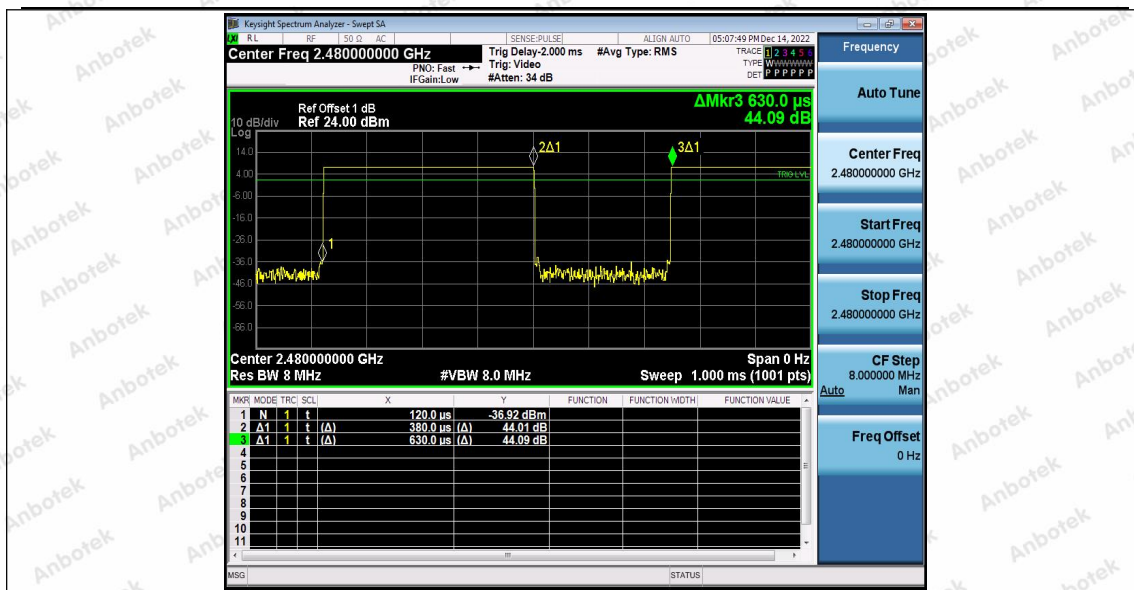
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