

Appendix Test Data

Report No.:	18220WC20246701	Test Sample No.:	1-2-2
Start Test Date:	2022.10.18	Finish Test Date:	2022.10.24
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	0.712	2401.636	2402.348	0.5	PASS
		2440	0.688	2439.644	2440.332	0.5	PASS
		2480	0.736	2479.620	2480.356	0.5	PASS



Test Graphs



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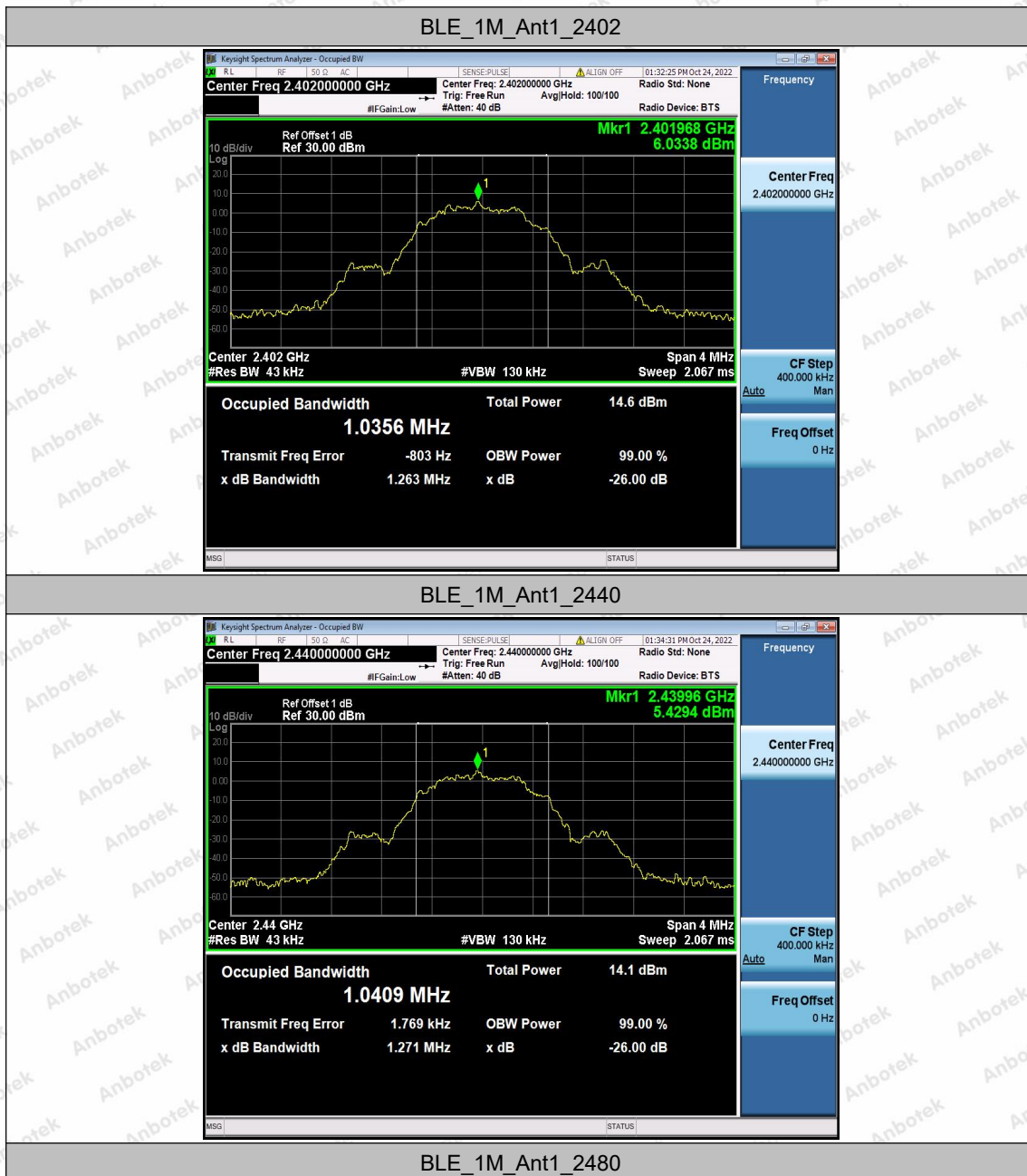
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0356	2401.4814	2402.5170
		2440	1.0409	2439.4813	2440.5222
		2480	1.0381	2479.4834	2480.5215



Test Graphs



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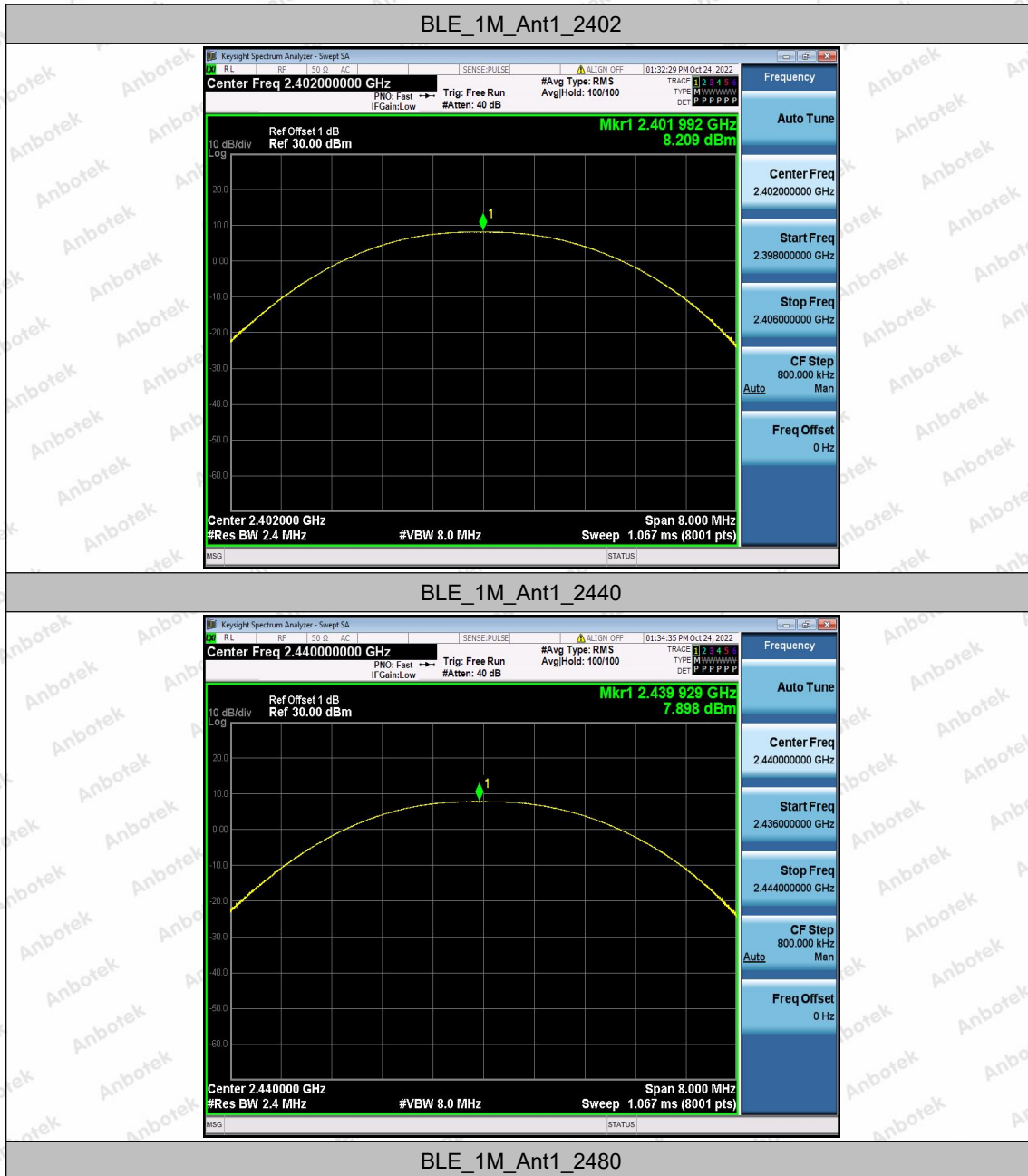
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.21	≤30	PASS
		2440	7.9	≤30	PASS
		2480	7.94	≤30	PASS



Test Graphs Peak



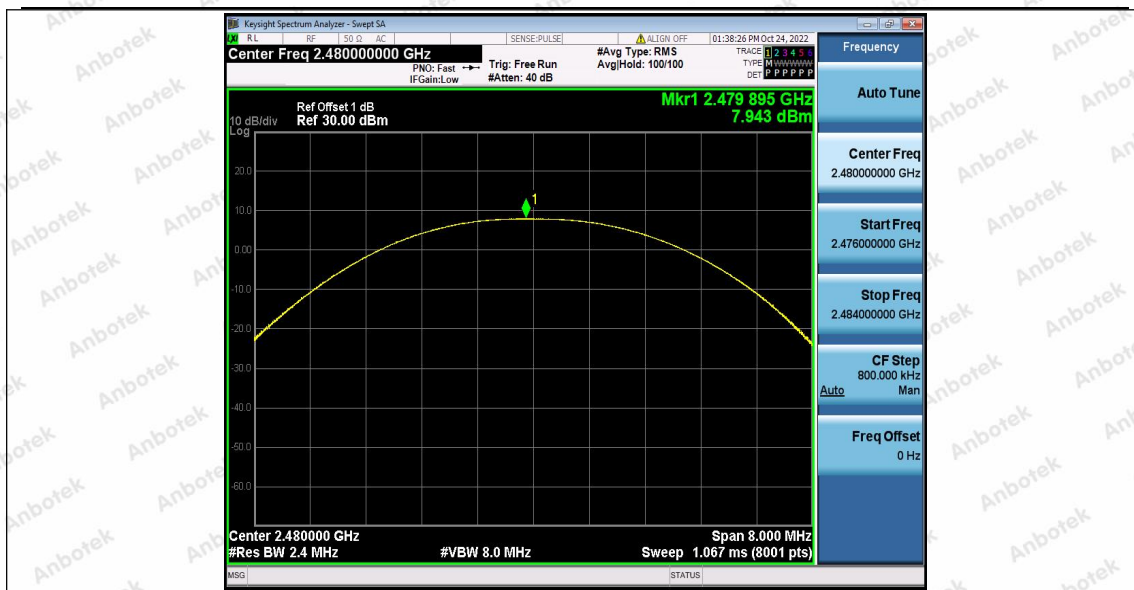
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Appendix D: Maximum power spectral density

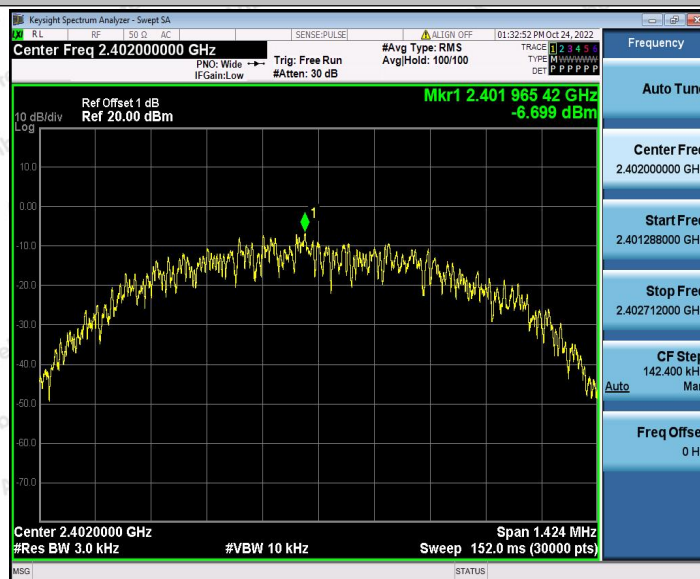
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.7	≤8.00	PASS
		2440	-7.18	≤8.00	PASS
		2480	-6.89	≤8.00	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

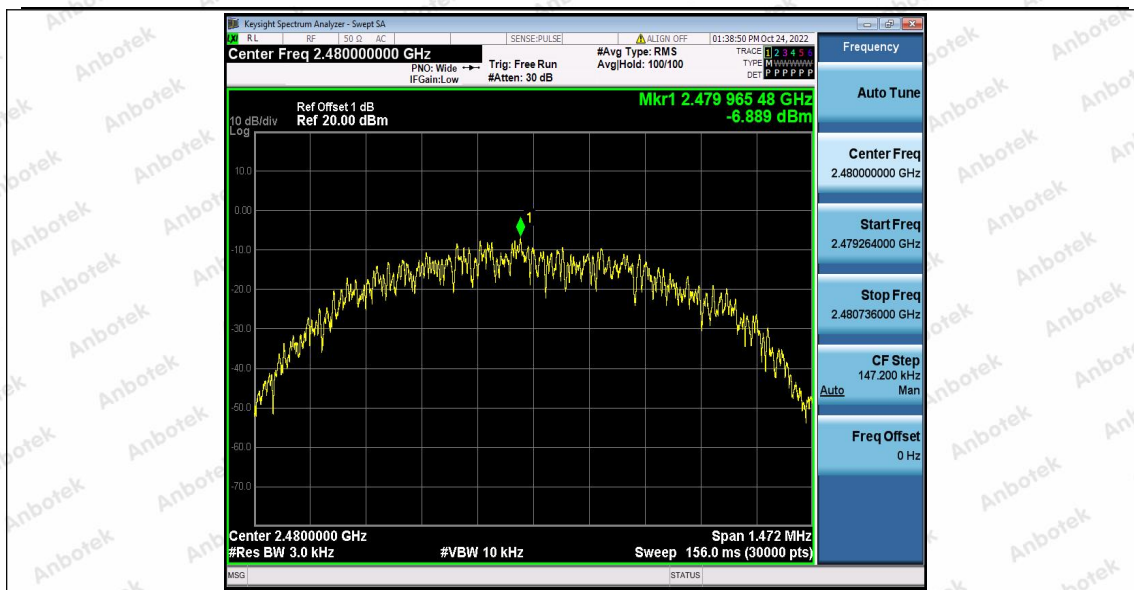
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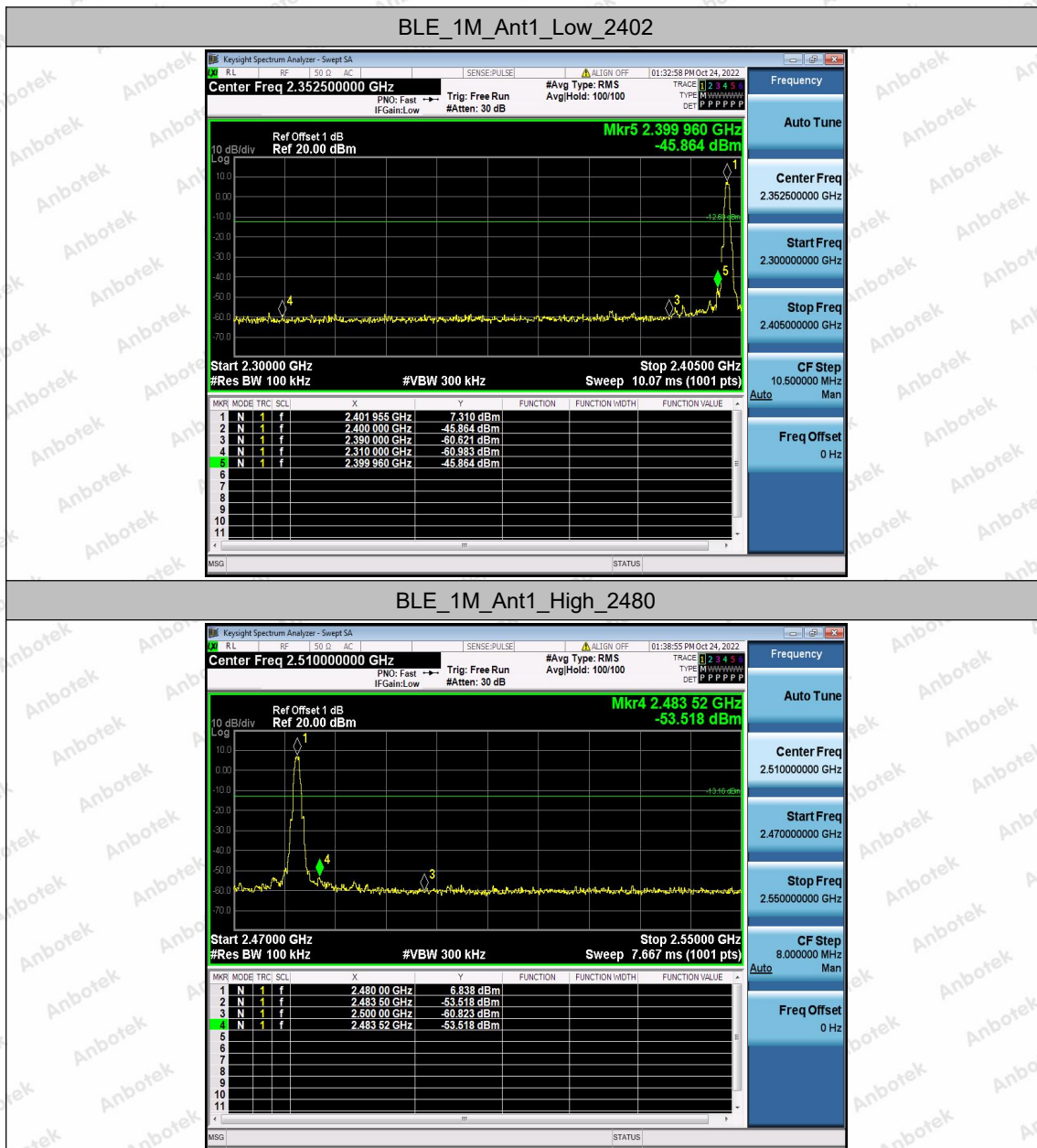
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.31	-45.86	≤-12.69	PASS
		High	2480	6.84	-53.52	≤-13.16	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	5.23	5.23	---	PASS
			30~1000	5.23	-68.54	≤-14.77	PASS
			1000~26500	5.23	-53.85	≤-14.77	PASS
		2440	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-69.75	≤-13.95	PASS
			1000~26500	6.05	-53.65	≤-13.95	PASS
		2480	Reference	6.50	6.50	---	PASS
			30~1000	6.50	-68.92	≤-13.5	PASS
			1000~26500	6.50	-53.94	≤-13.5	PASS

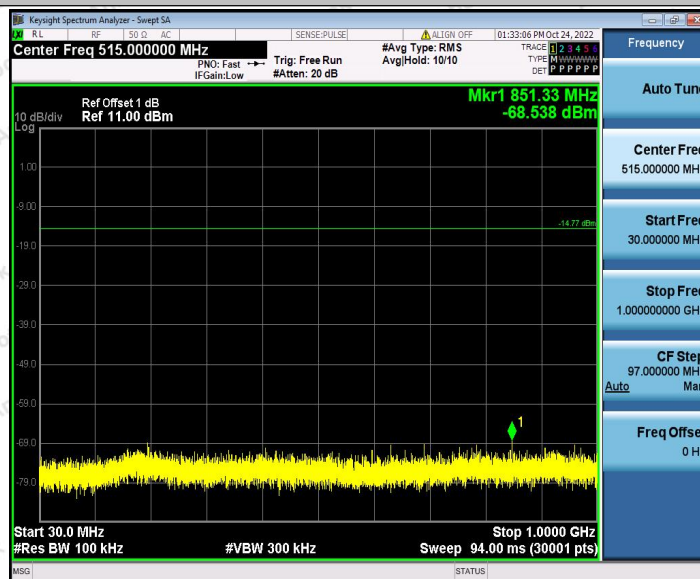


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

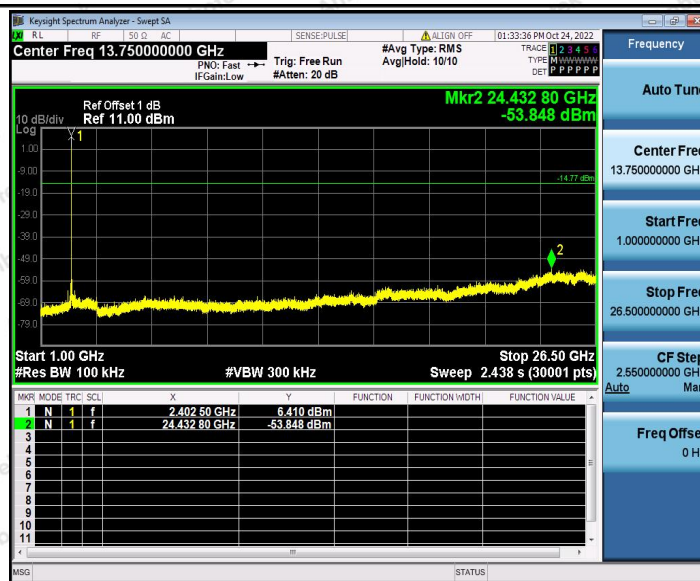
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

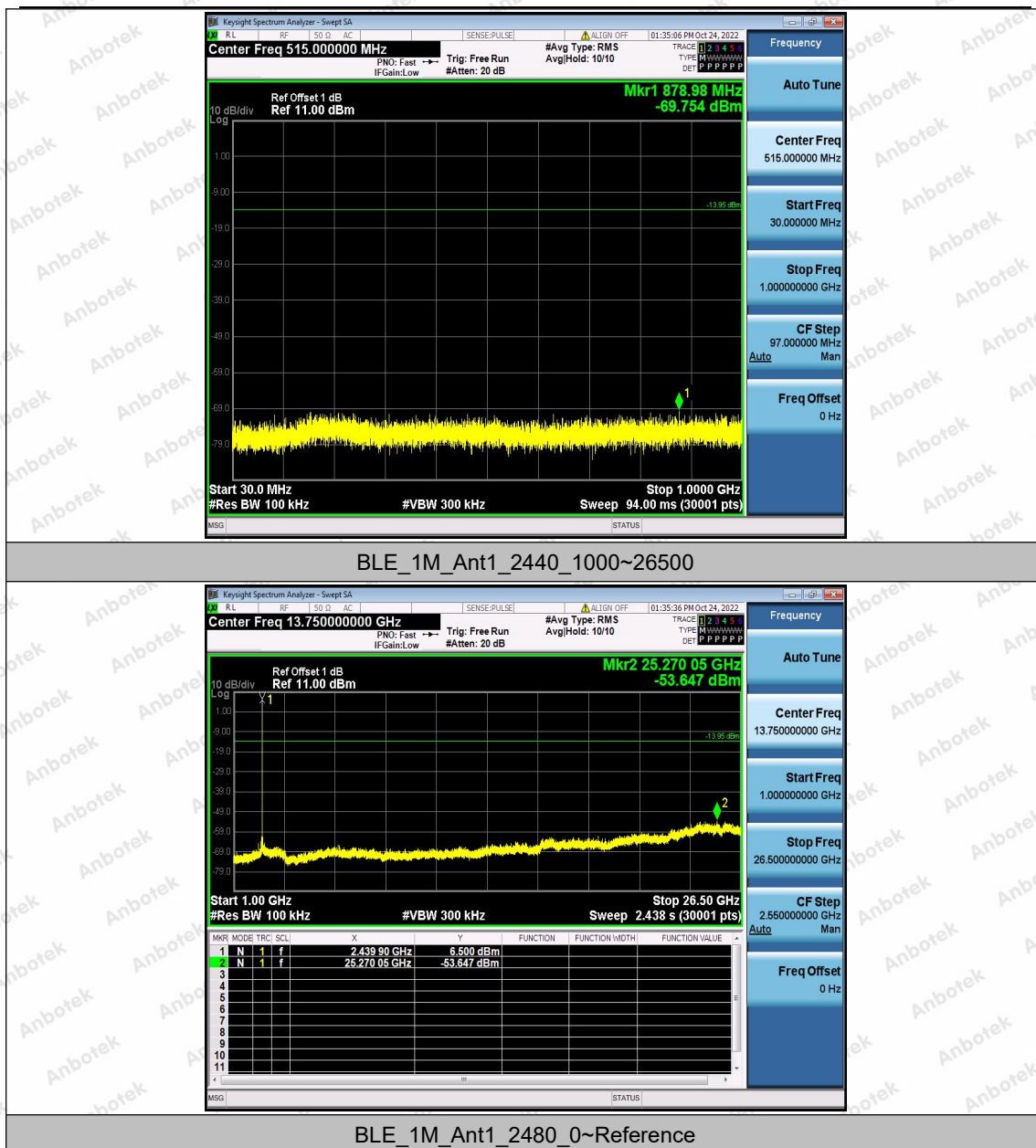
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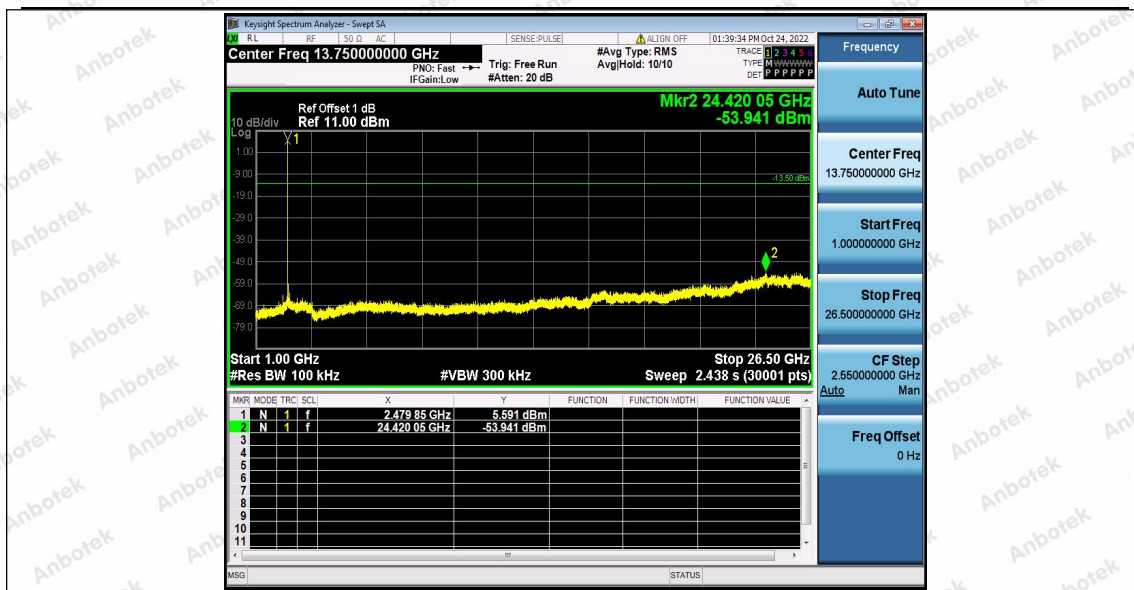
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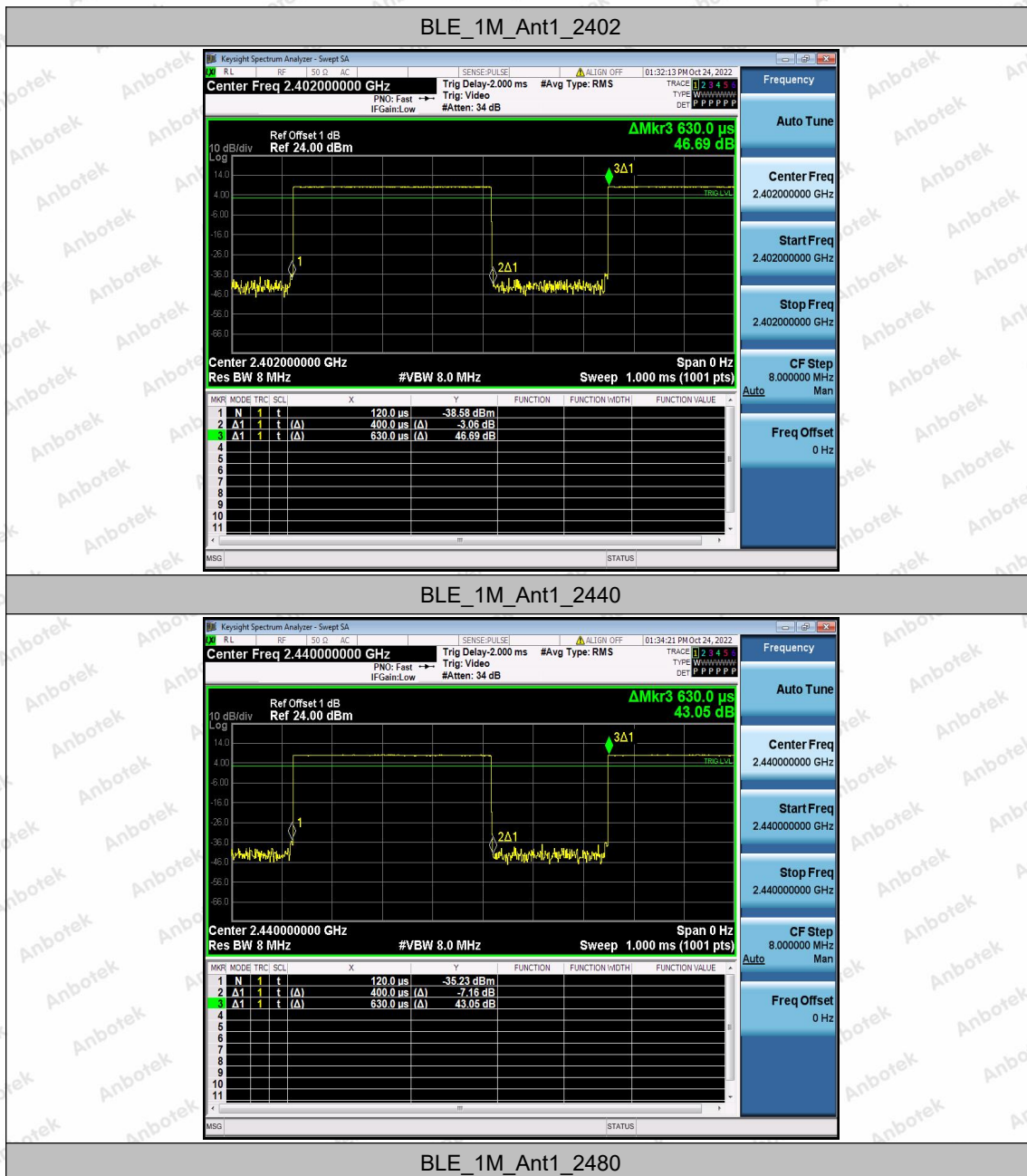
Appendix G: Duty Cycle

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



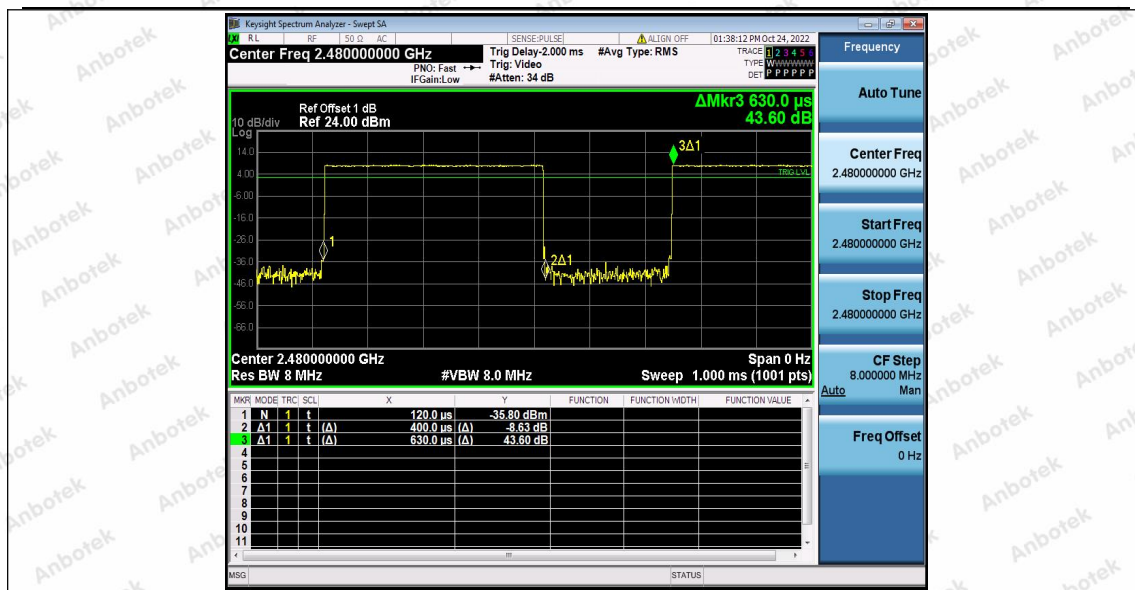
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