

Appendix Test Data

Report No.:	18220WC30085602	Test Sample No.:	1-2-2
Start Test Date:	2023.05.11	Finish Test Date:	2023.05.12
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.7°C	Relative Humidity:	45%
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	0.668	2401.660	2402.328	0.5	PASS
		2440	0.608	2439.688	2440.296	0.5	PASS
		2480	0.644	2479.684	2480.328	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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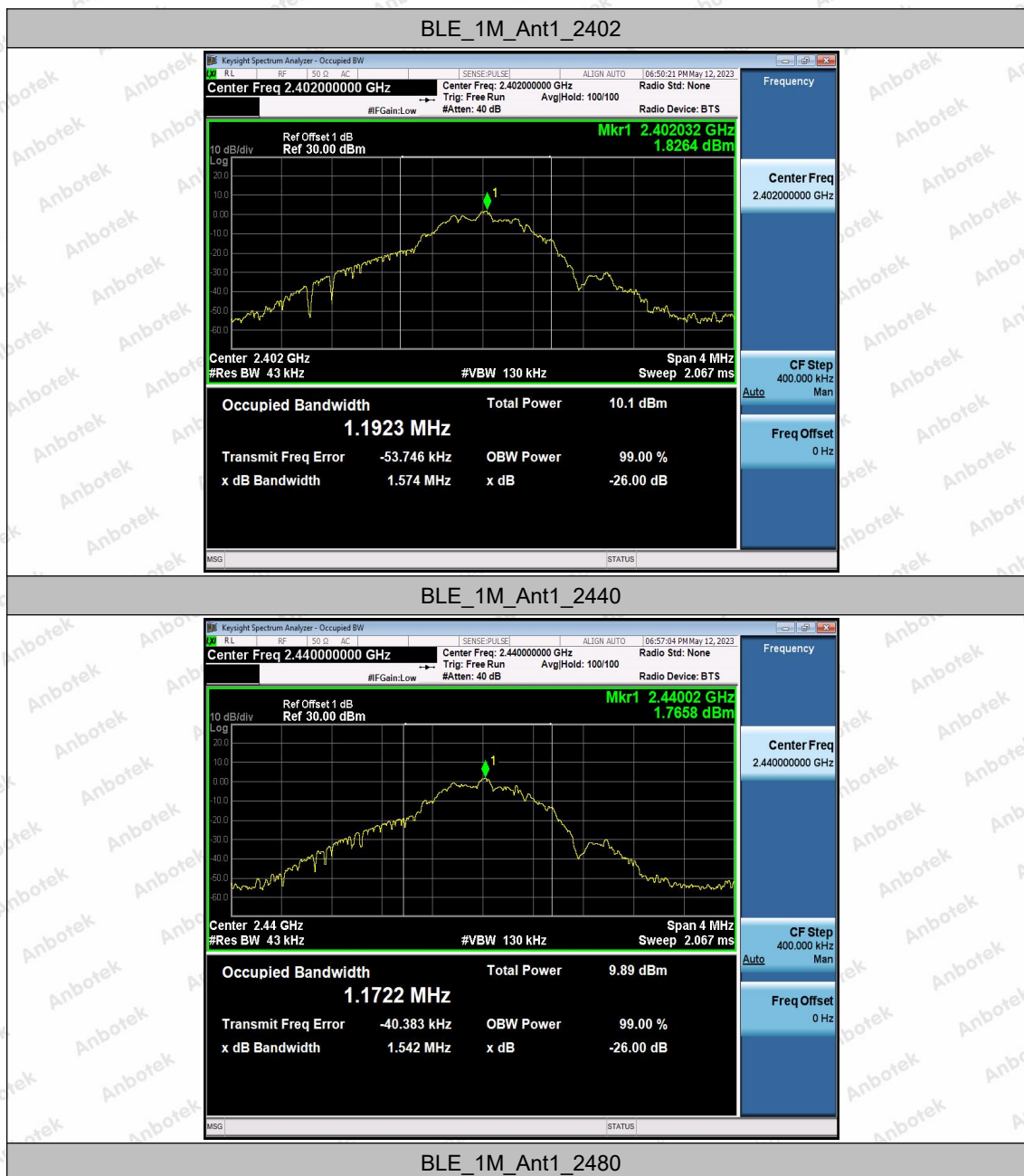
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.1923	2401.3501	2402.5424
		2440	1.1722	2439.3735	2440.5457
		2480	1.0649	2479.4707	2480.5356



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	3.39	≤30	PASS
		2440	3.36	≤30	PASS
		2480	1.66	≤30	PASS

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Test Graphs Peak

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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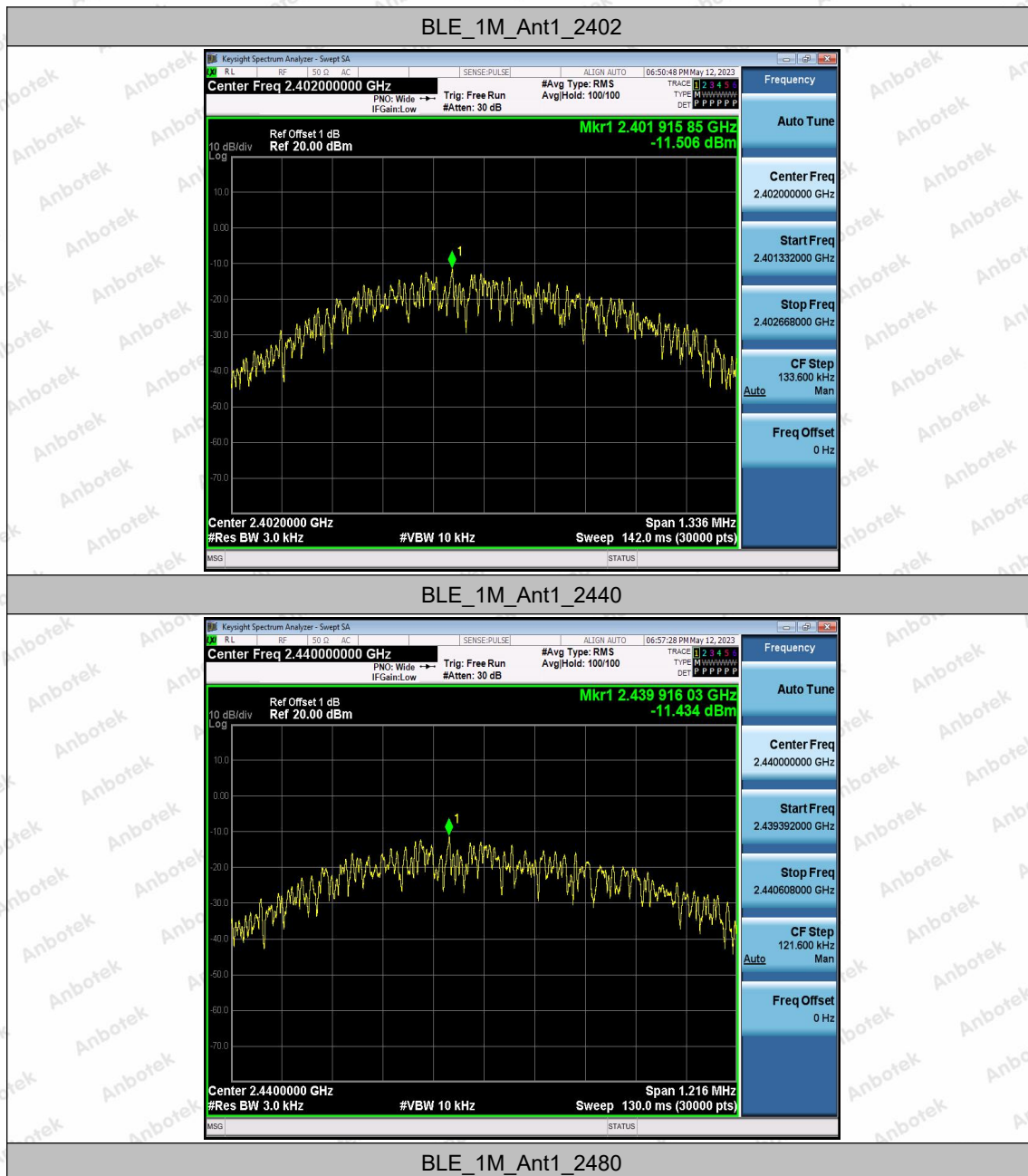
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.51	≤8.00	PASS
		2440	-11.43	≤8.00	PASS
		2480	-13.26	≤8.00	PASS



Test Graphs



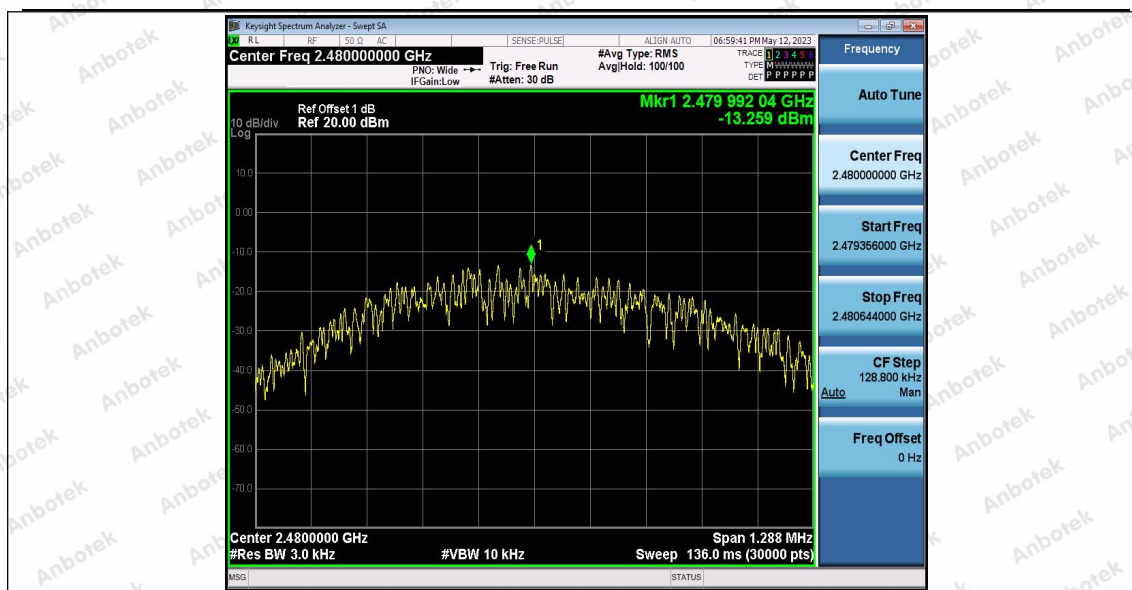
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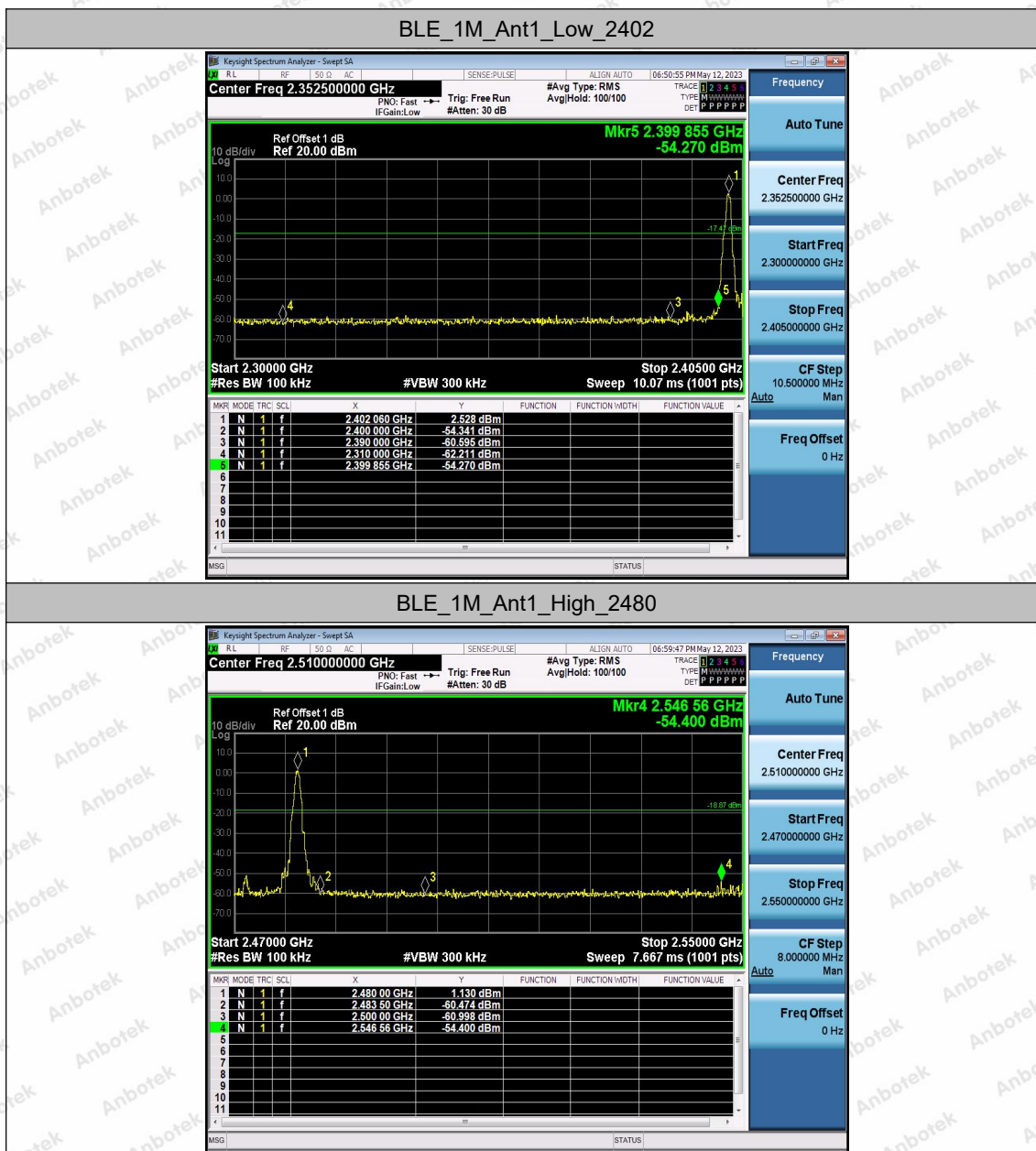
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.53	-54.27	≤-17.47	PASS
		High	2480	1.13	-54.4	≤-18.87	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	2.67	2.67	---	PASS
			30~1000	2.67	-65.53	≤-17.33	PASS
			1000~26500	2.67	-45.06	≤-17.33	PASS
		2440	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-63.59	≤-18.22	PASS
			1000~26500	1.78	-47.62	≤-18.22	PASS
		2480	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-65.01	≤-19.25	PASS
			1000~26500	0.75	-46.95	≤-19.25	PASS
			Reference				
			30~1000				
			1000~26500				

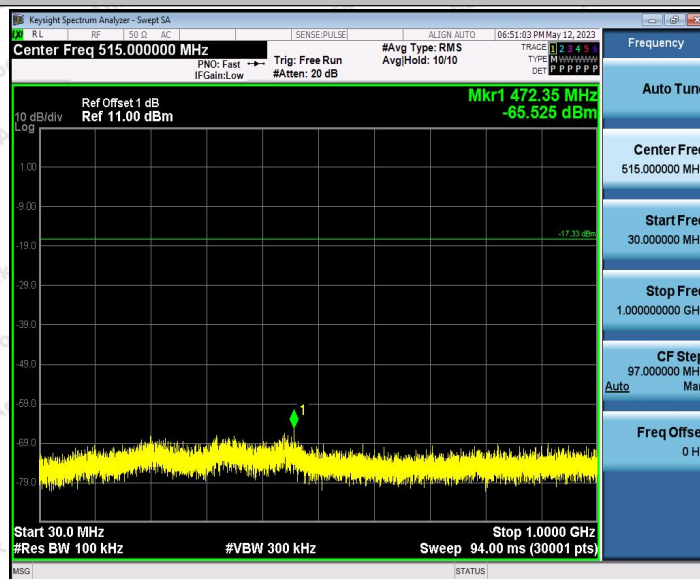


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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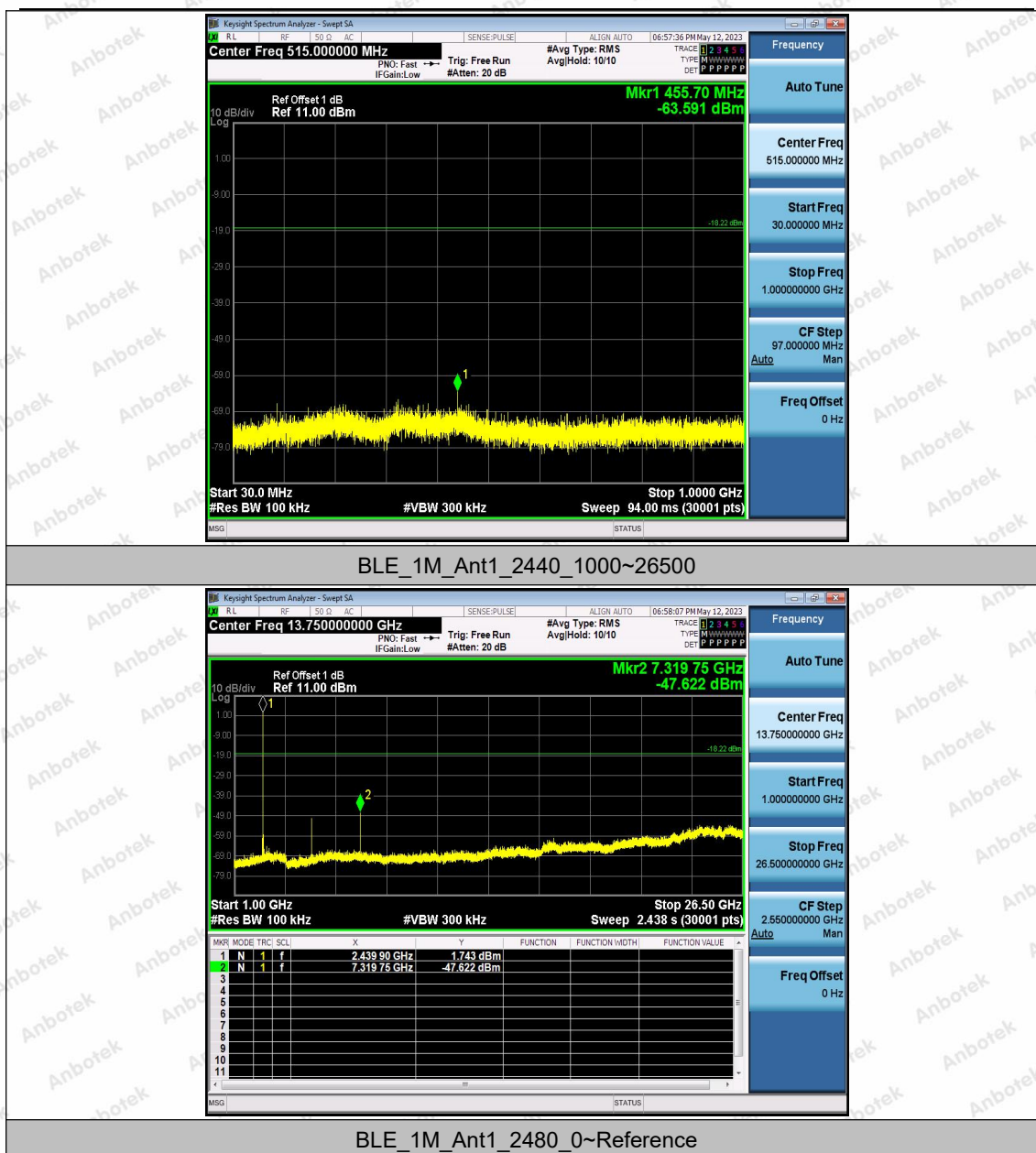
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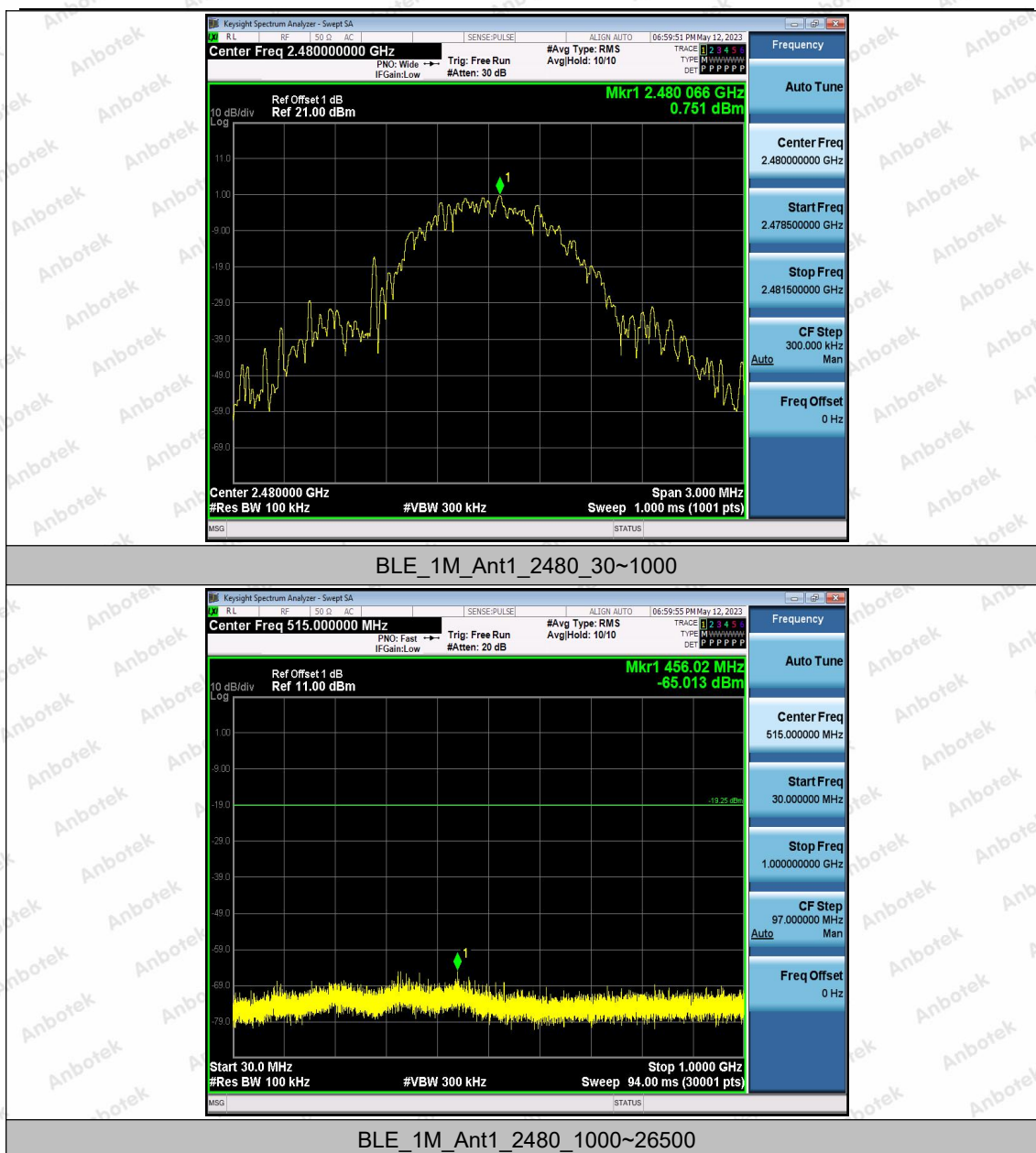
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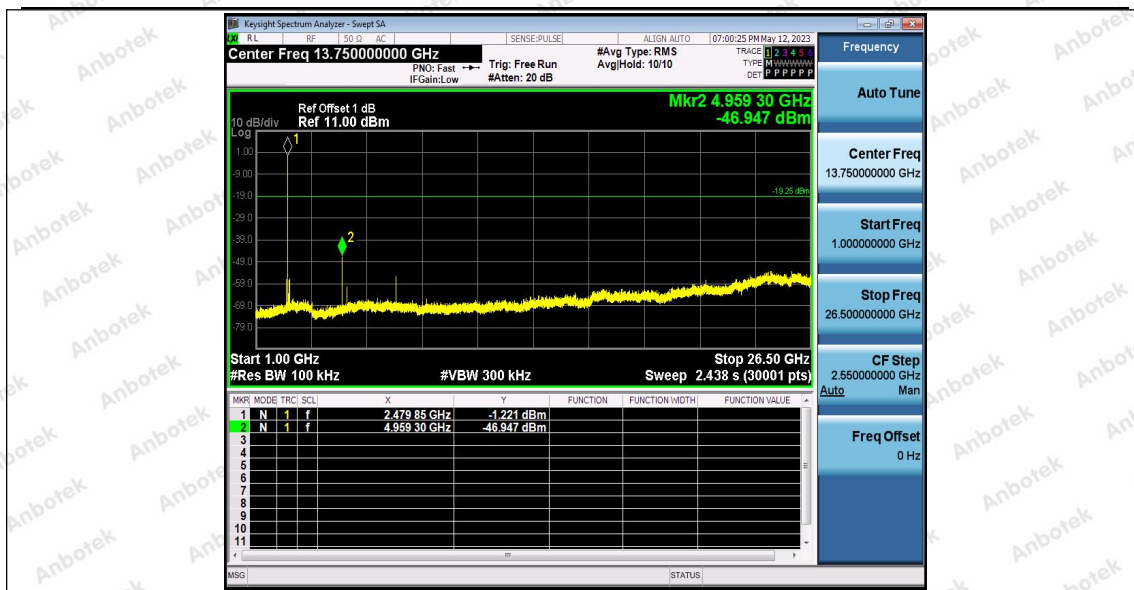
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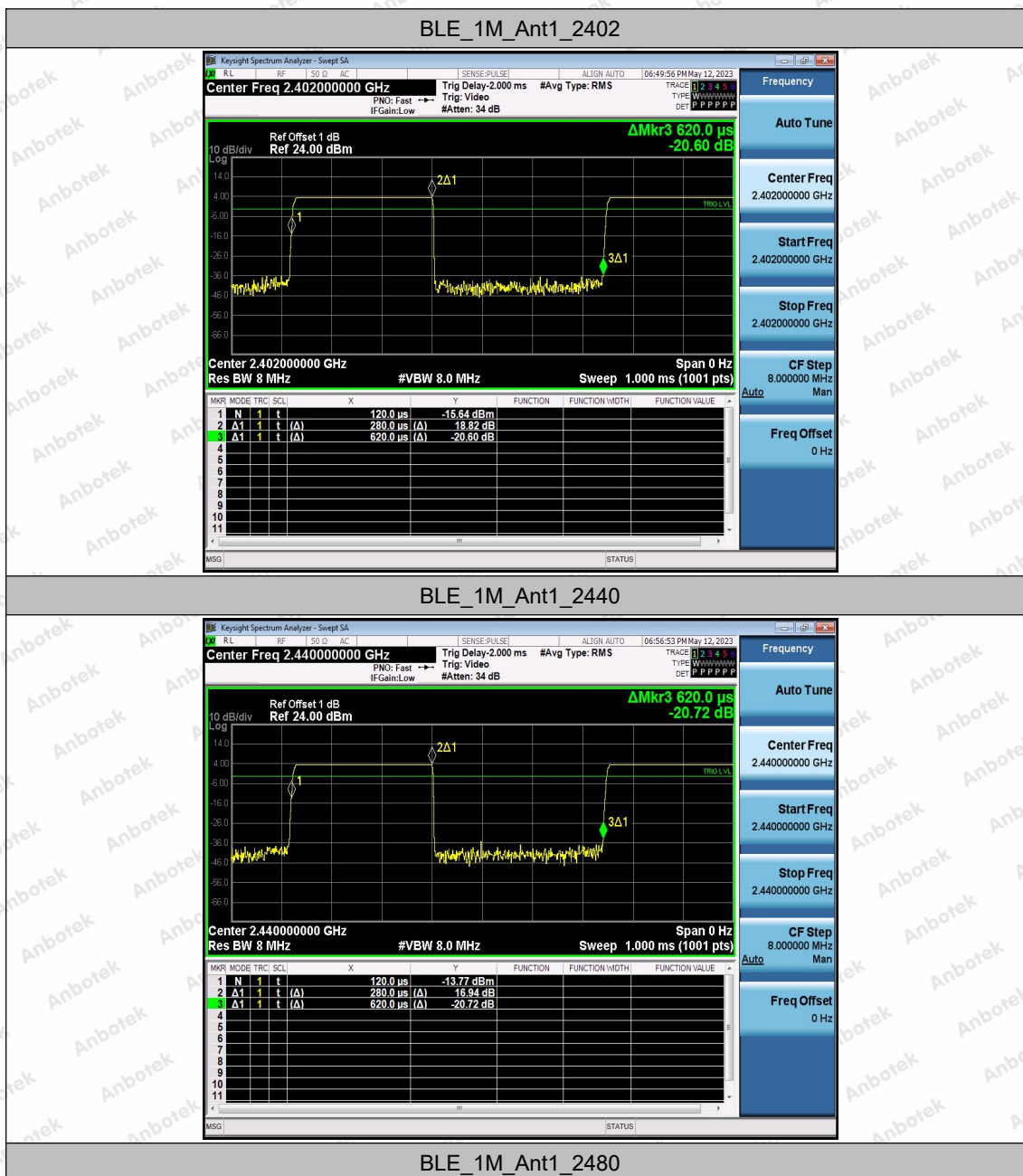
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.62	45.16	3.45
		2440	0.28	0.62	45.16	3.45
		2480	0.28	0.62	45.16	3.45



Test Graphs



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