

Appendix Test Data

Report No.:	18220WC30201502	Test Sample No.:	1-2-2
Start Test Date:	2023.09.15	Finish Test Date:	2023.09.19
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.1°C	Relative Humidity:	48.3%
Pressure:	102 kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.520	2401.684	2402.204	0.5	PASS
		2440	0.528	2439.680	2440.208	0.5	PASS
		2480	0.524	2479.676	2480.200	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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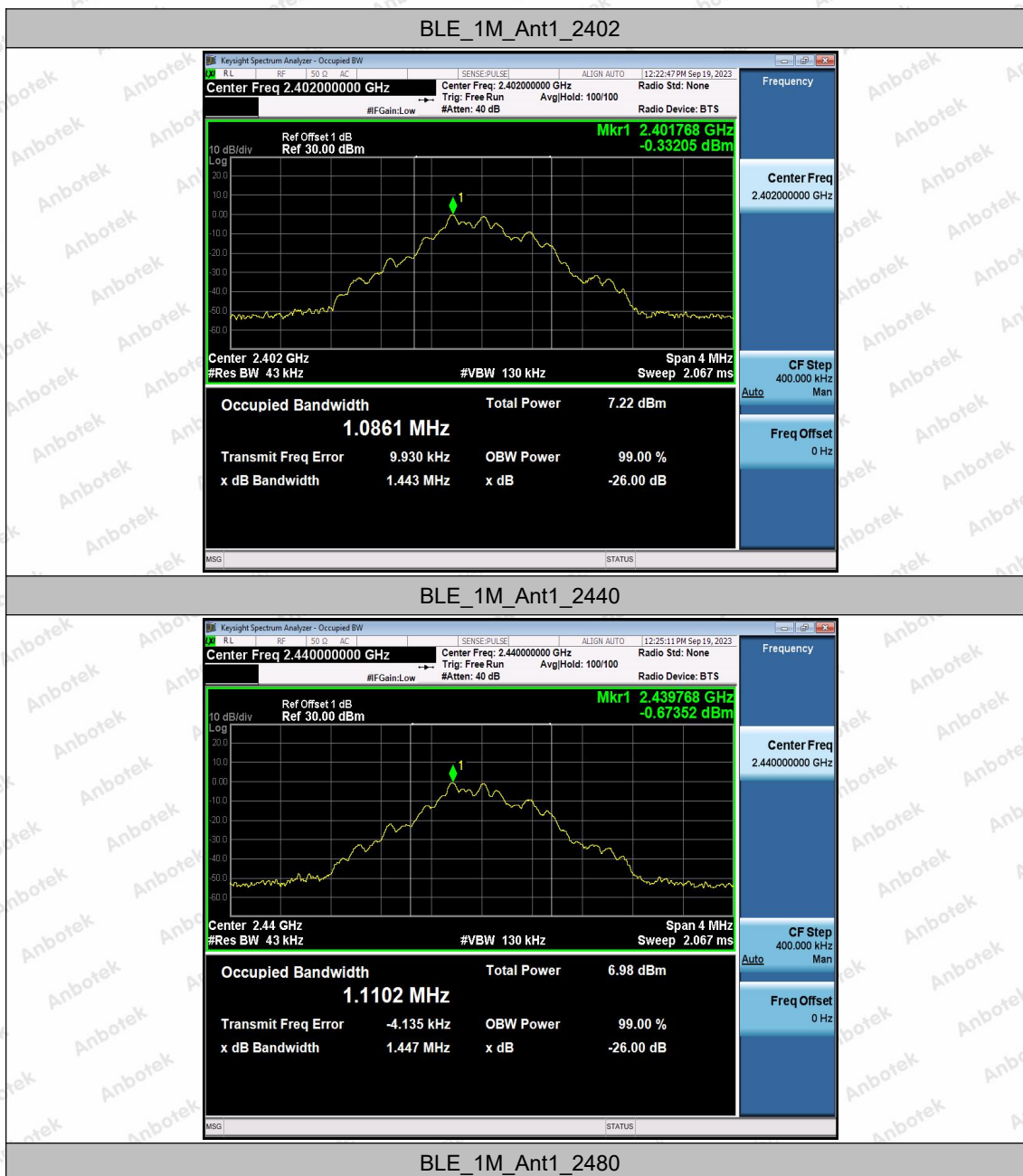
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0861	2401.4669	2402.5530
		2440	1.1102	2439.4408	2440.5510
		2480	1.1461	2479.4086	2480.5547



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	1.57	≤30	PASS
		2440	1.25	≤30	PASS
		2480	0.71	≤30	PASS

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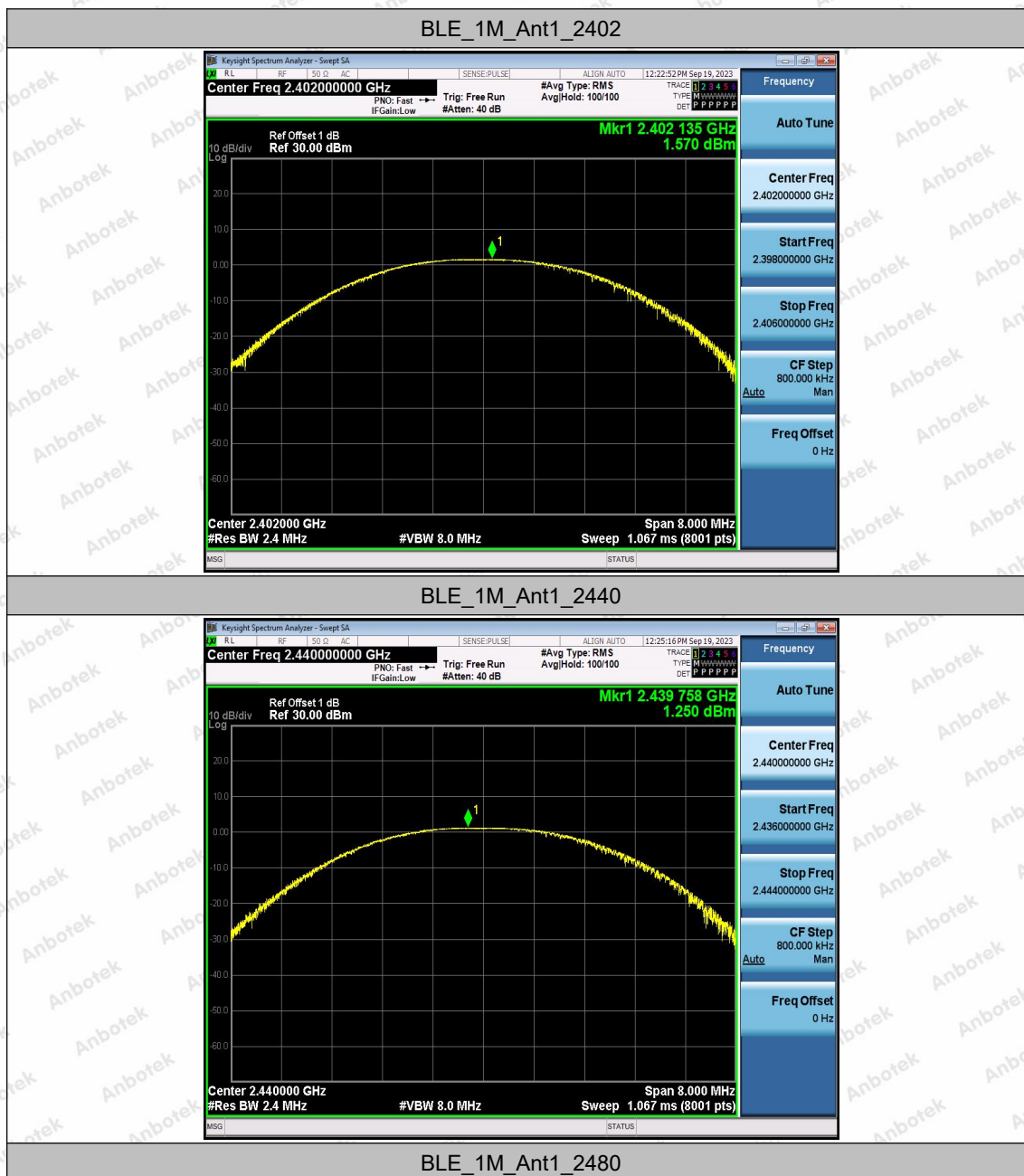
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Test Graphs Peak



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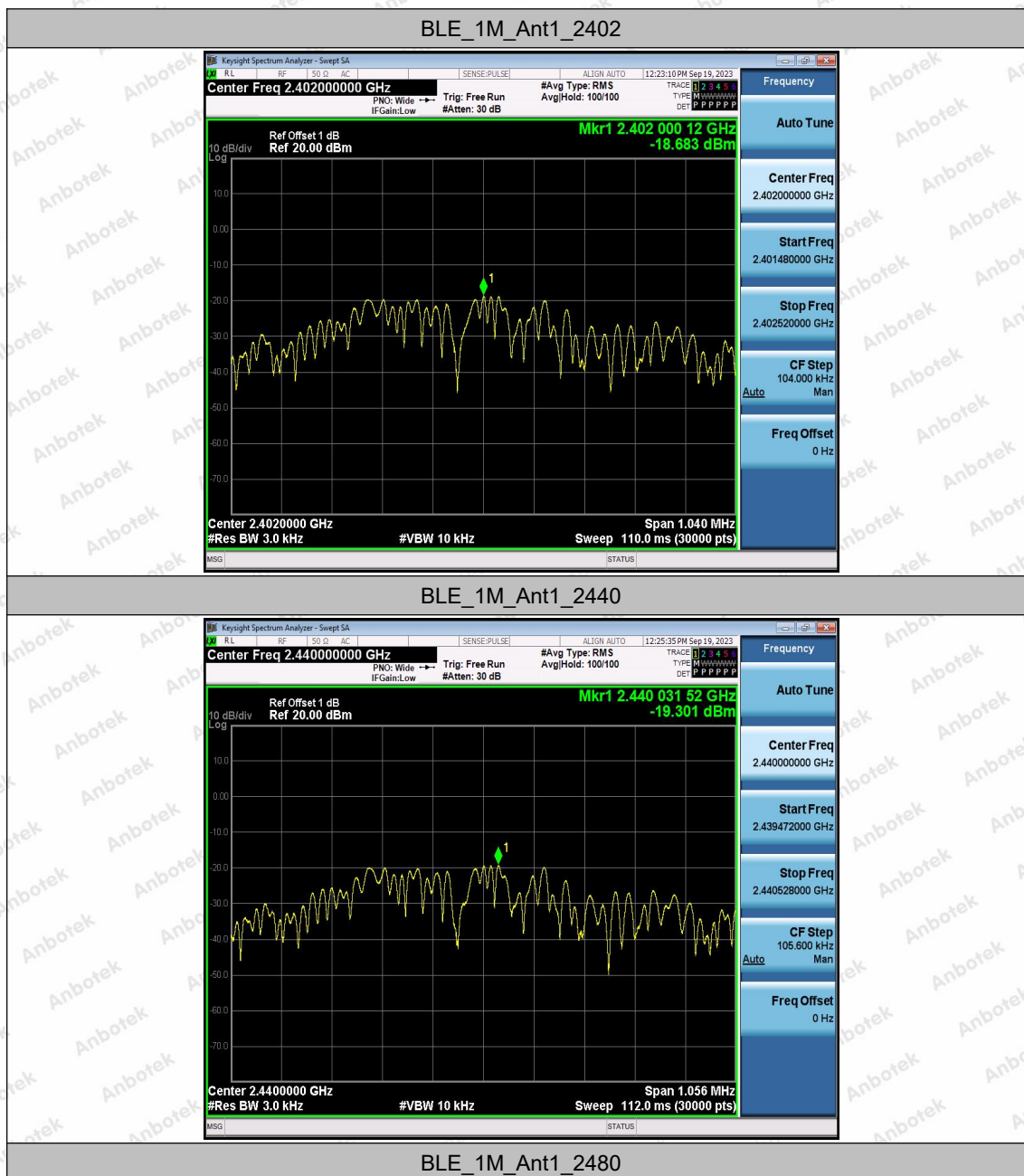
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.68	≤8.00	PASS
		2440	-19.3	≤8.00	PASS
		2480	-19.8	≤8.00	PASS



Test Graphs



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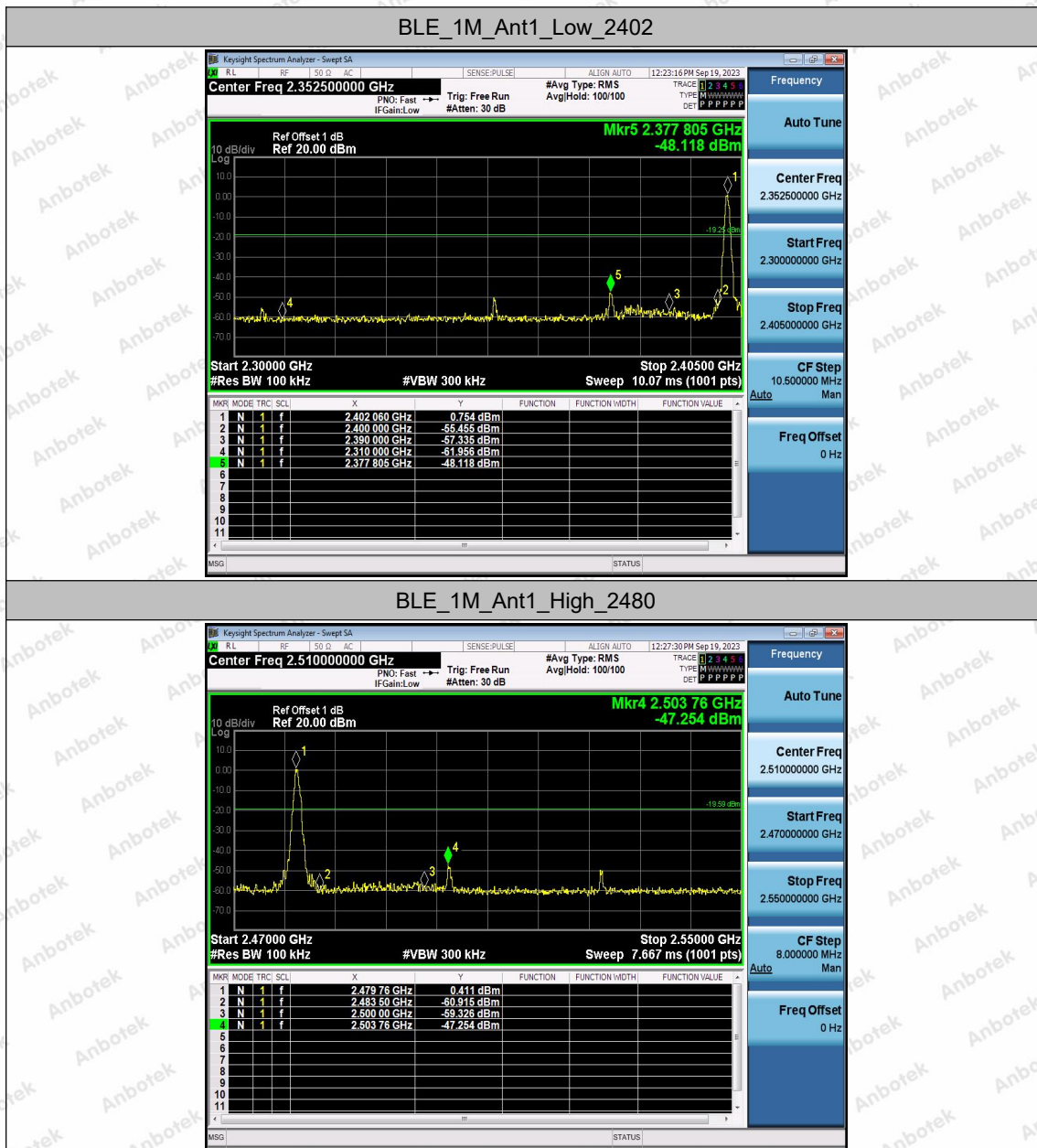
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.75	-48.12	≤-19.25	PASS
		High	2480	0.41	-47.25	≤-19.59	PASS



Test Graphs



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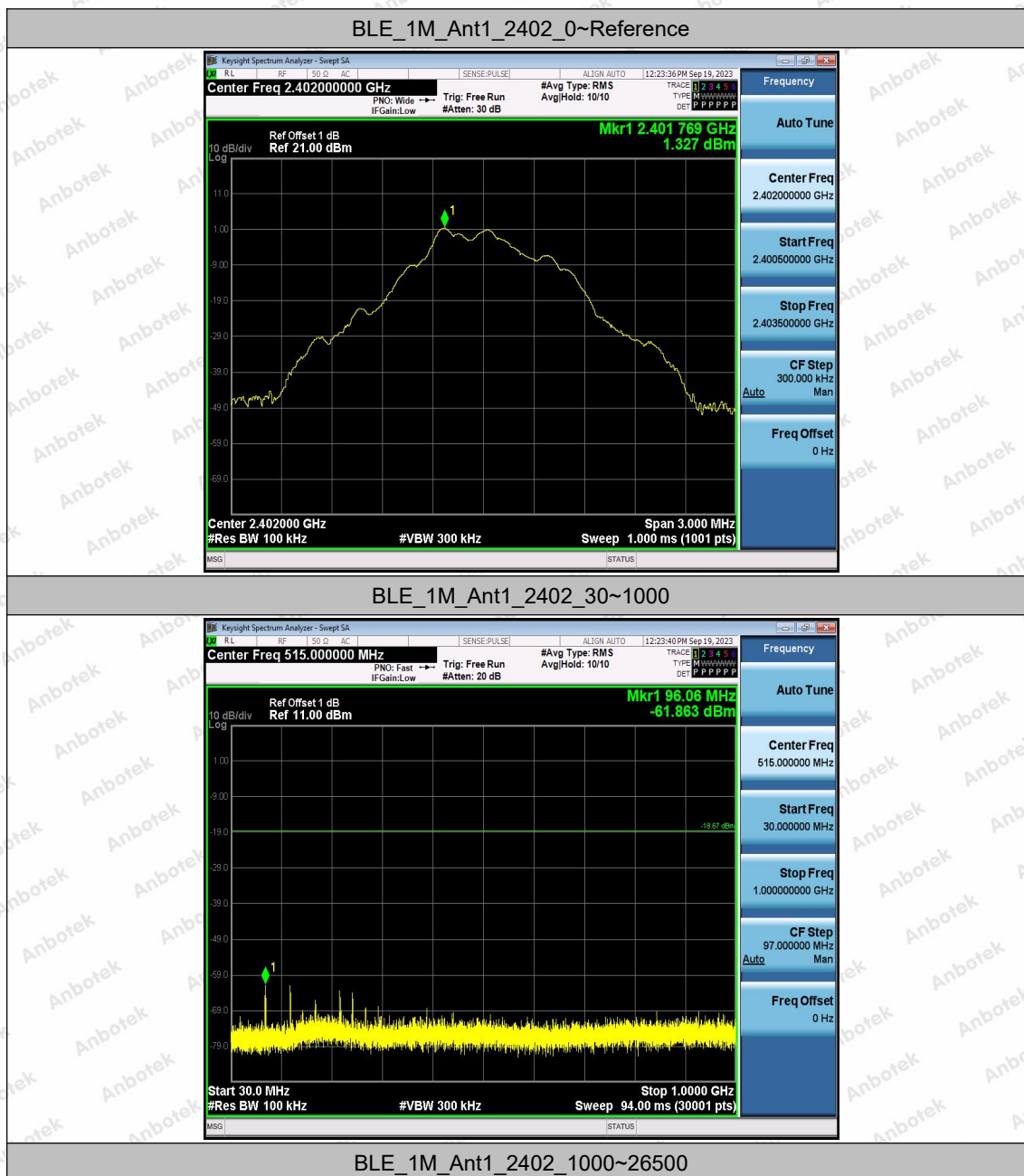
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-61.86	≤-18.67	PASS
			1000~26500	1.33	-45.89	≤-18.67	PASS
		2440	Reference	0.97	0.97	---	PASS
			30~1000	0.97	-62.49	≤-19.03	PASS
			1000~26500	0.97	-45.63	≤-19.03	PASS
		2480	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-61.95	≤-19.5	PASS
			1000~26500	0.50	-41.67	≤-19.5	PASS



Test Graphs



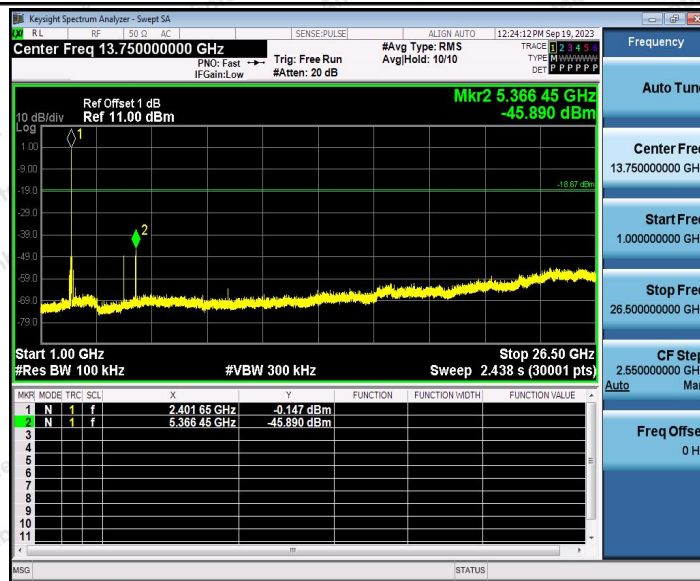
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

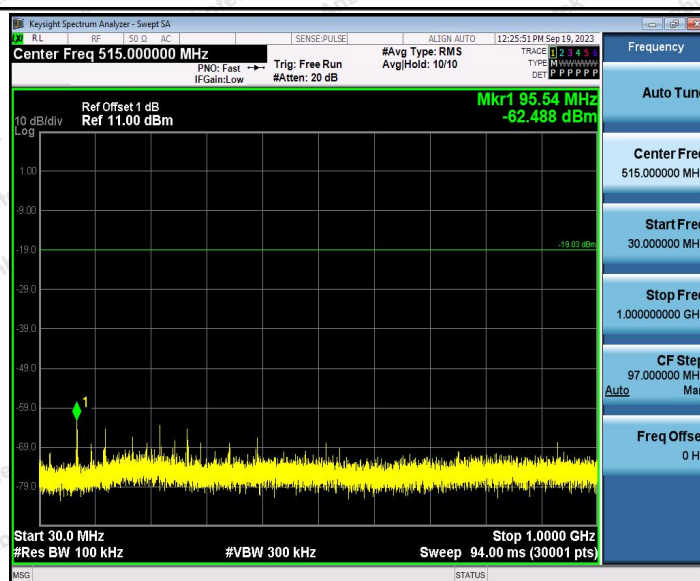
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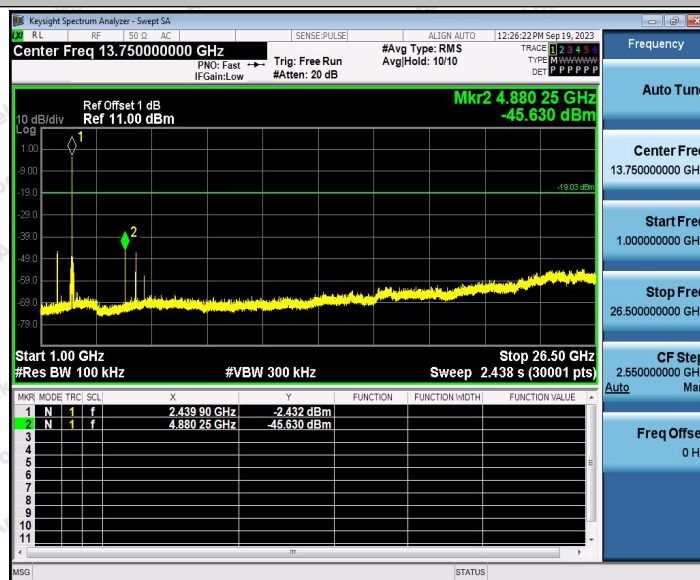


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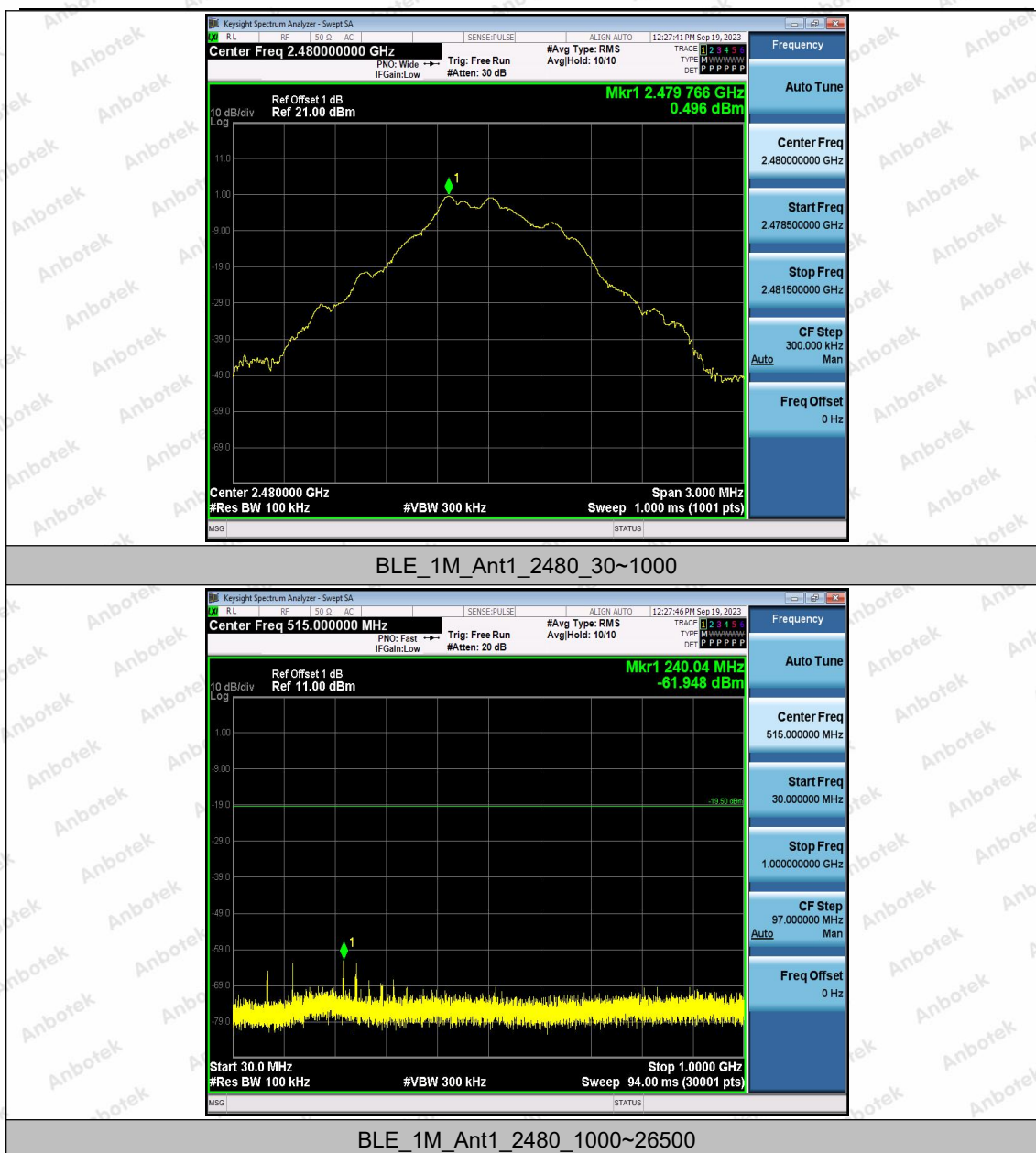


BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



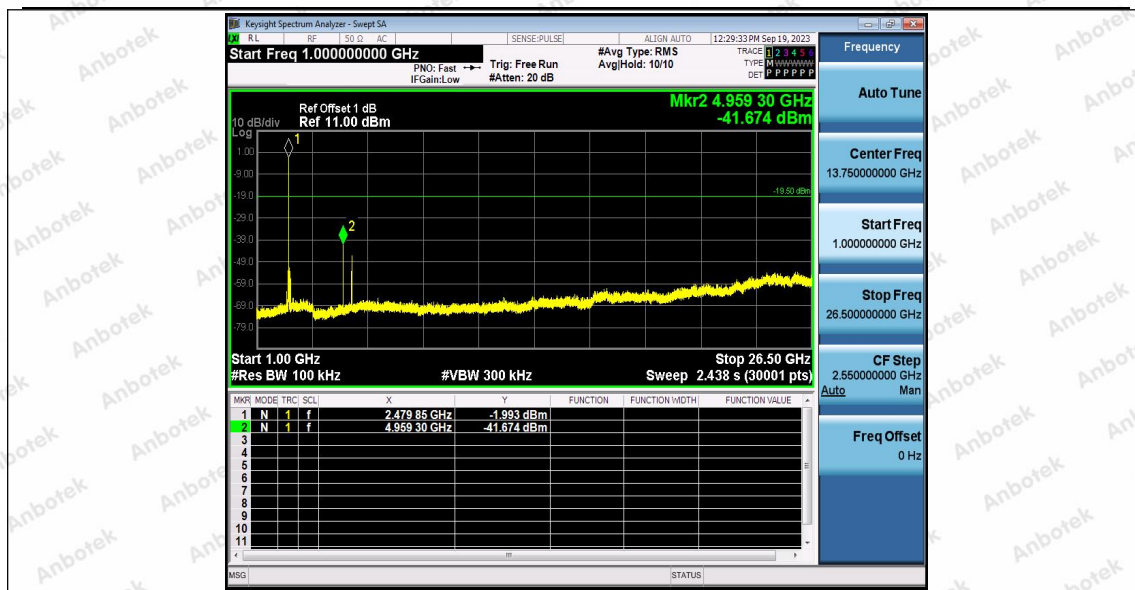
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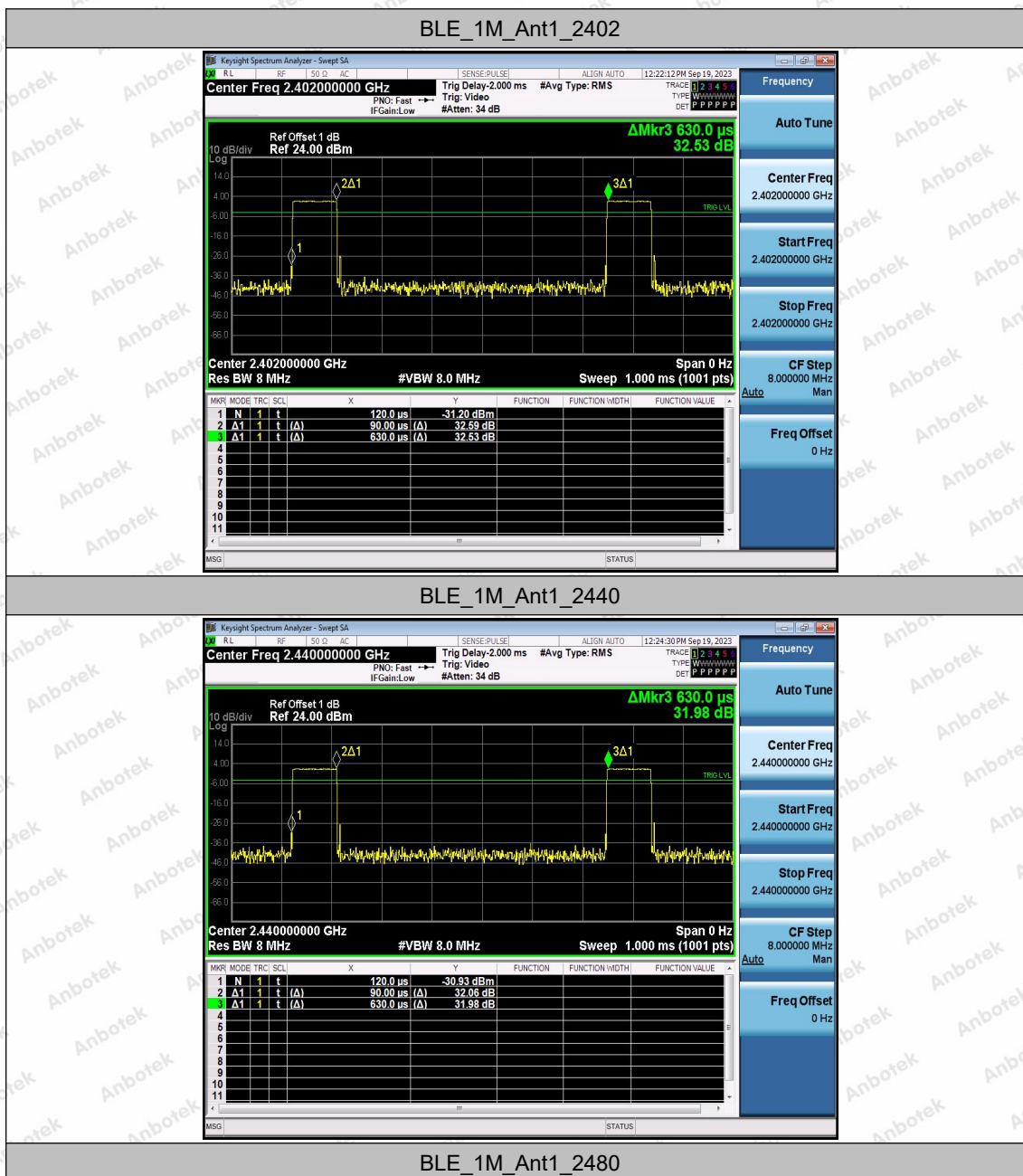
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.09	0.63	14.29	8.45
		2440	0.09	0.63	14.29	8.45
		2480	0.09	0.63	14.29	8.45



Test Graphs



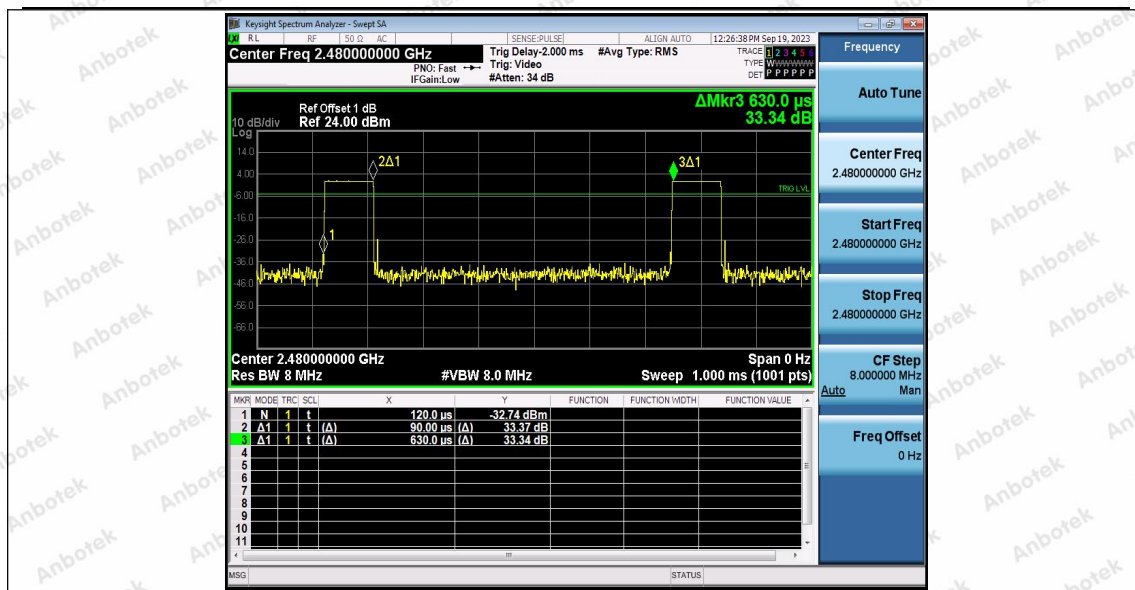
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