

Appendix Test Data

Report No.:	18220WC30263901	Test Sample No.:	1-2-2
Start Test Date:	2023.12.21	Finish Test Date:	2023.12.23
Test Engineer:	Hayman Chen	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	44%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.600	2402.292	0.5	PASS
		2440	0.696	2439.592	2440.288	0.5	PASS
		2480	0.688	2479.596	2480.284	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	1.0622	2401.4306	2402.4928
		2440	1.0632	2439.4285	2440.4917
		2480	1.0664	2479.4260	2480.4924



Test Graphs



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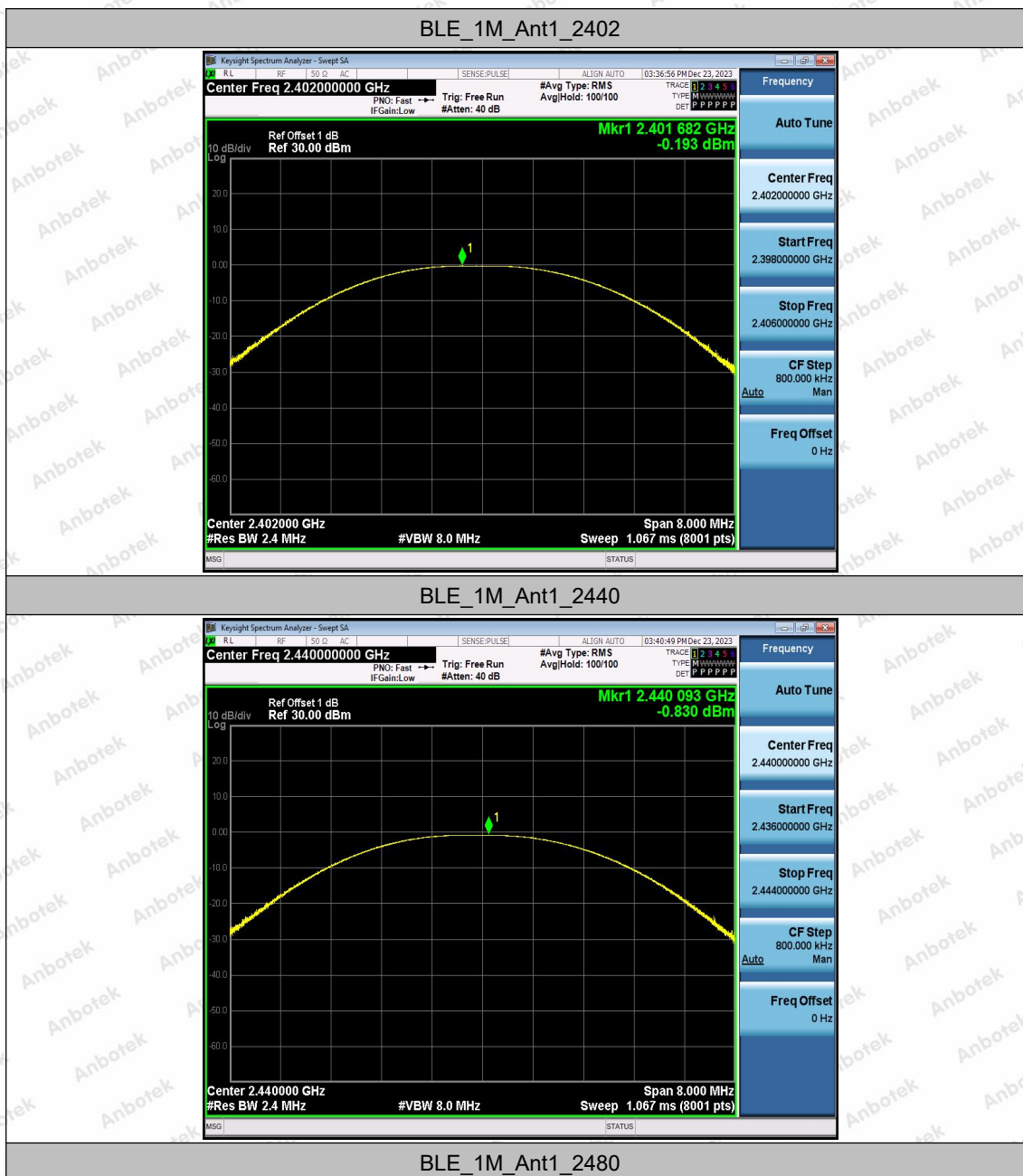
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.19	≤30	PASS
		2440	-0.83	≤30	PASS
		2480	-1.21	≤30	PASS



Test Graphs Peak



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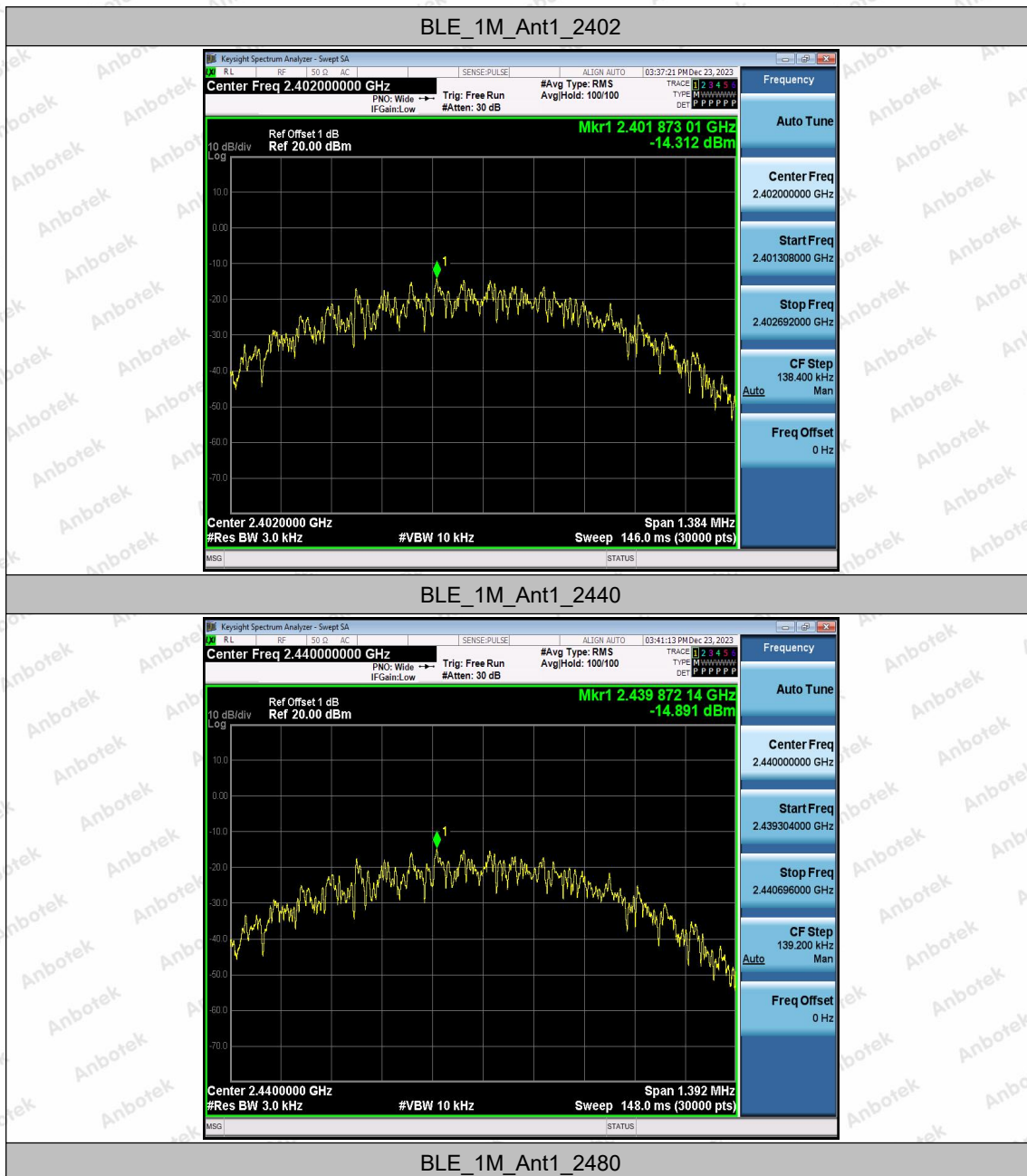
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.31	≤8.00	PASS
		2440	-14.89	≤8.00	PASS
		2480	-15.38	≤8.00	PASS



Test Graphs



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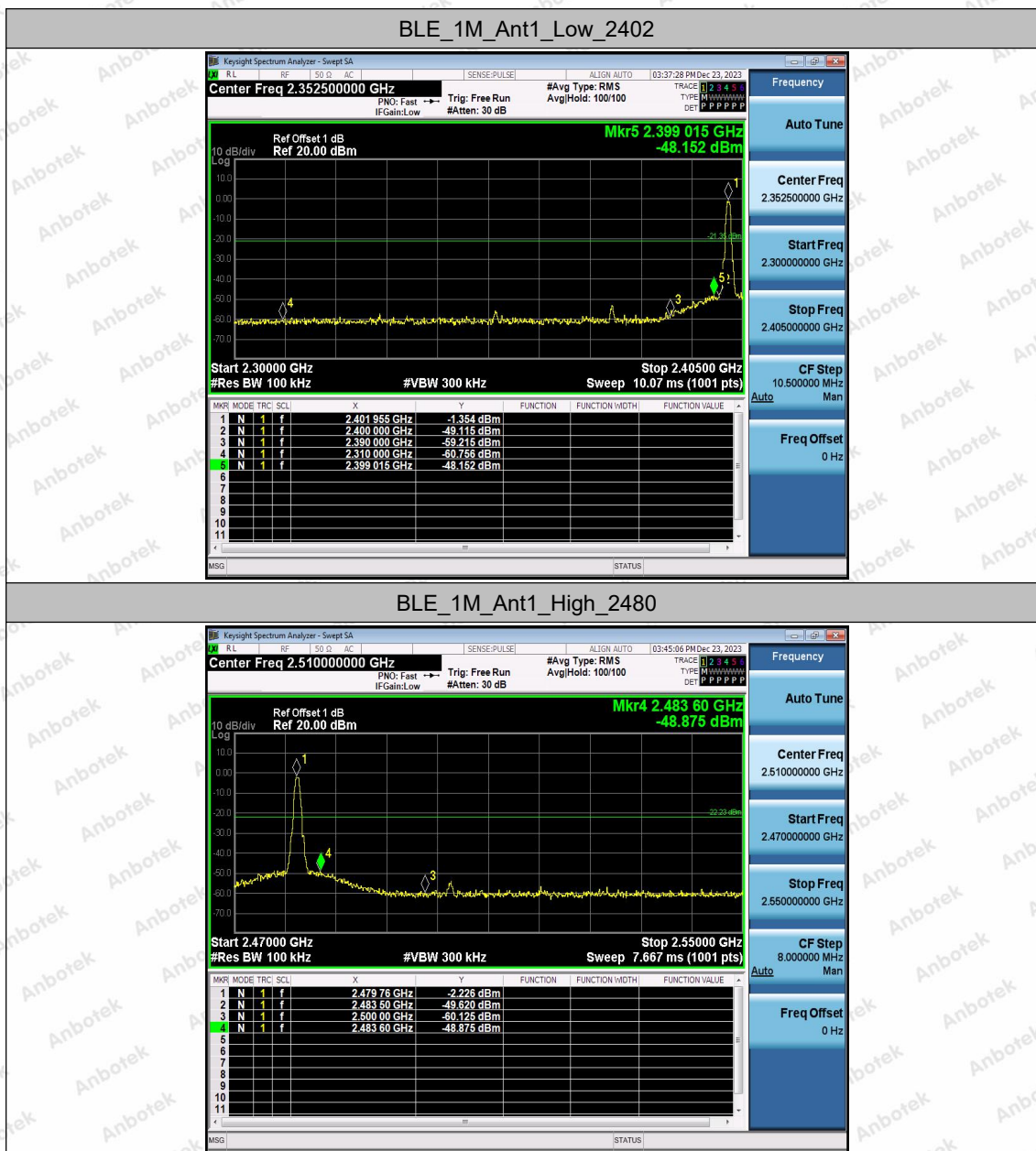
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.35	-48.15	≤ -21.35	PASS
		High	2480	-2.23	-48.88	≤ -22.23	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	-2.22	-2.22	---	PASS
			30~1000	-2.22	-68.73	≤-22.22	PASS
			1000~26500	-2.22	-44.47	≤-22.22	PASS
		2440	Reference	-2.57	-2.57	---	PASS
			30~1000	-2.57	-69.13	≤-22.57	PASS
			1000~26500	-2.57	-45.98	≤-22.57	PASS
		2480	Reference	-3.43	-3.43	---	PASS
			30~1000	-3.43	-69.46	≤-23.43	PASS
			1000~26500	-3.43	-48.29	≤-23.43	PASS

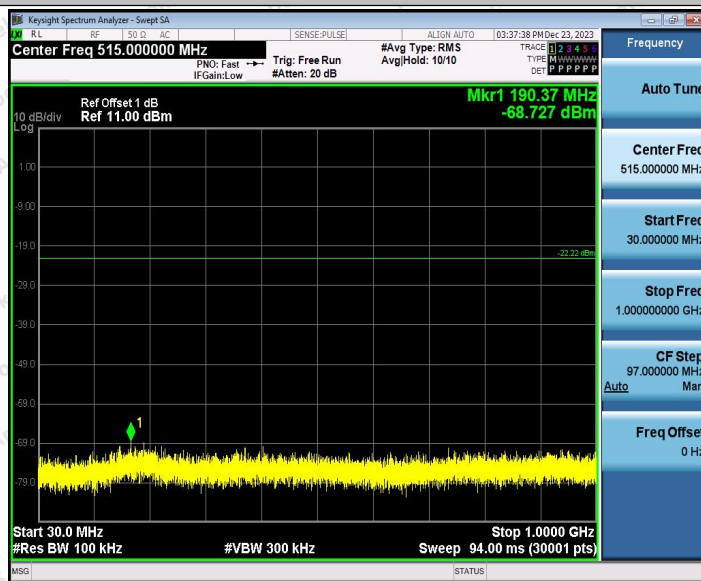


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

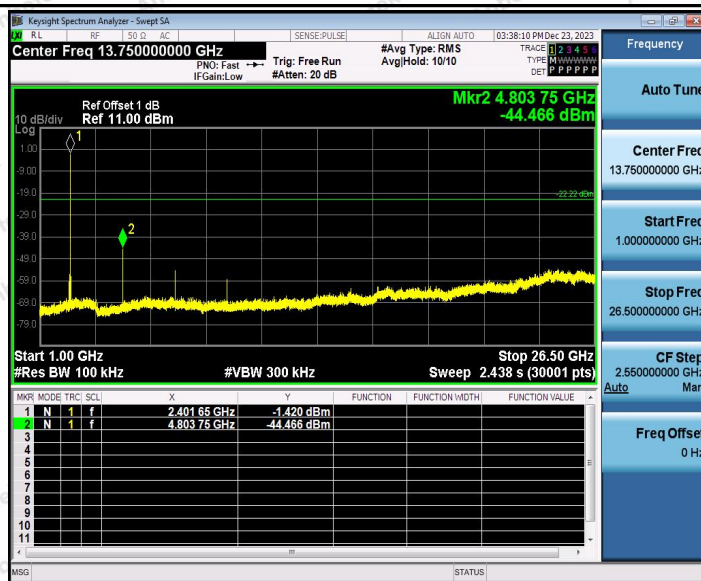
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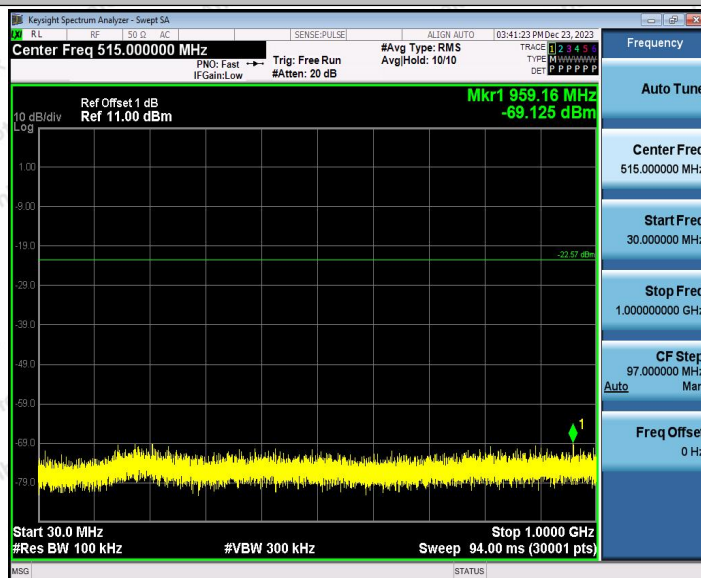




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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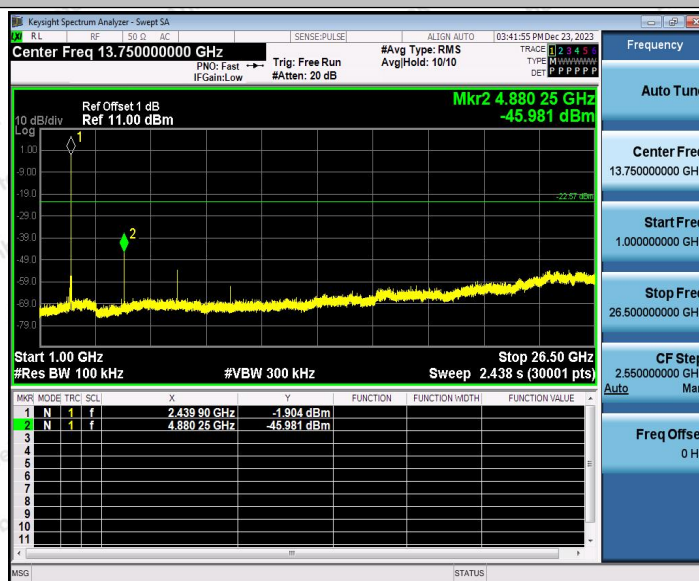
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

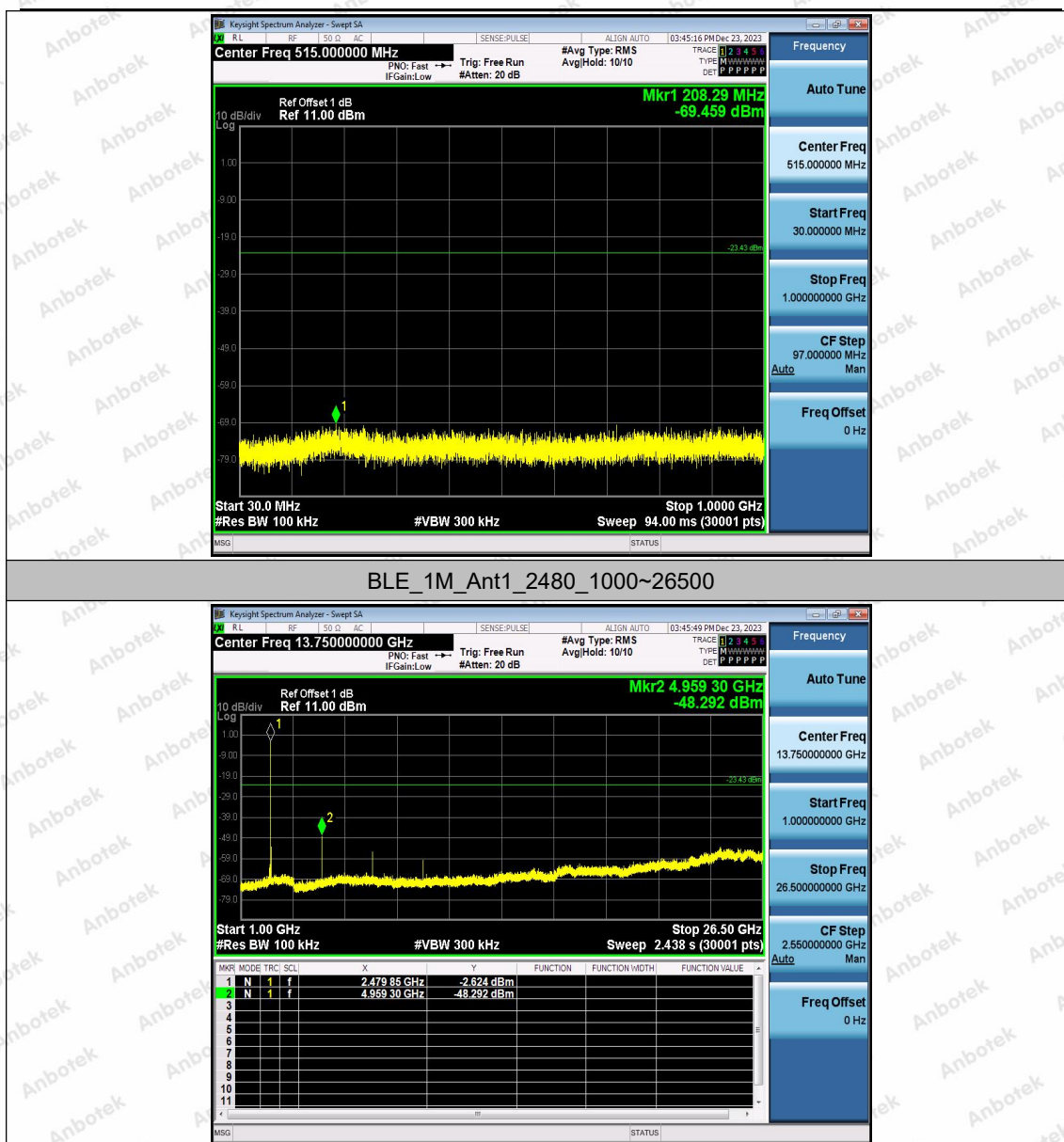
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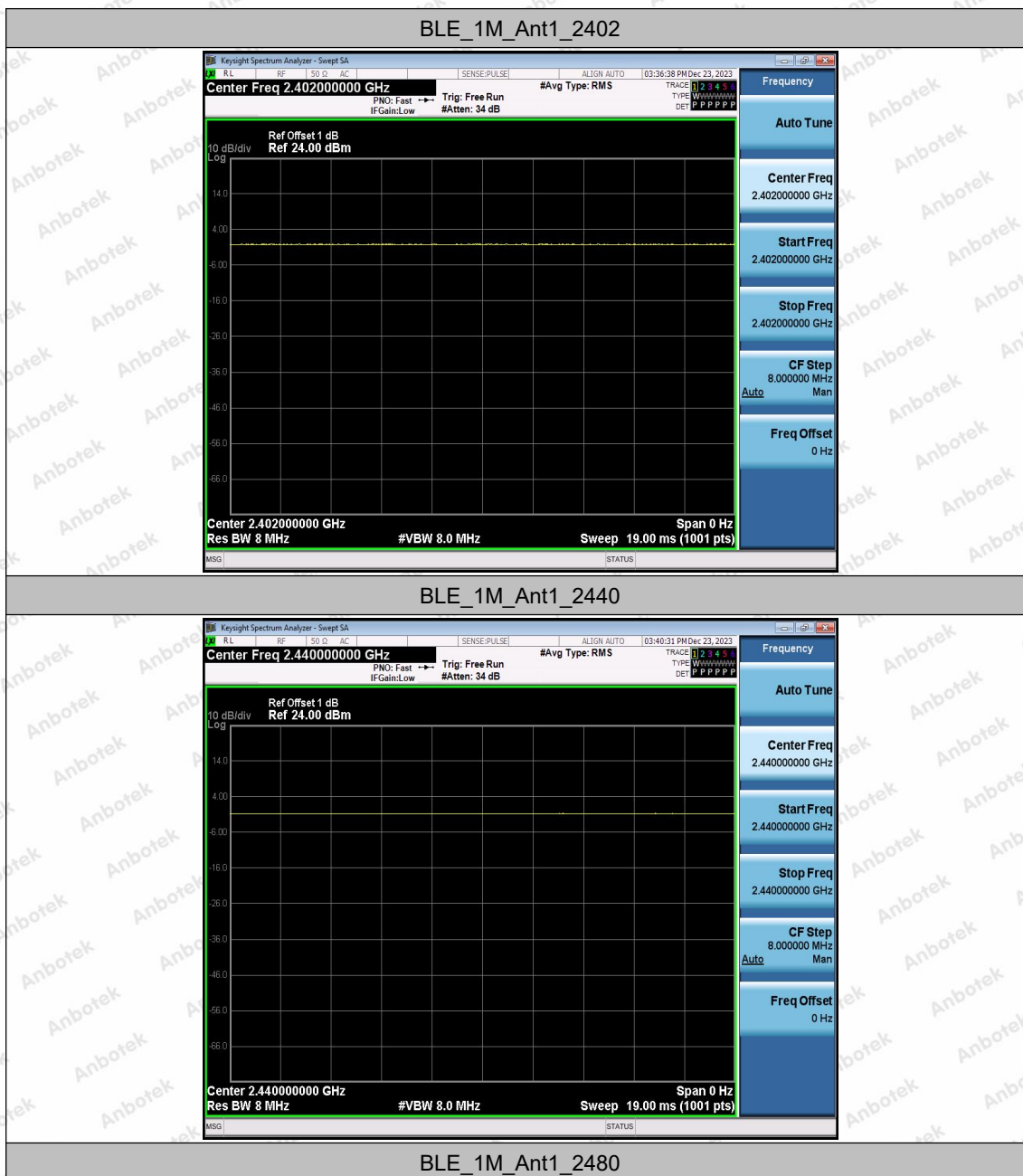
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



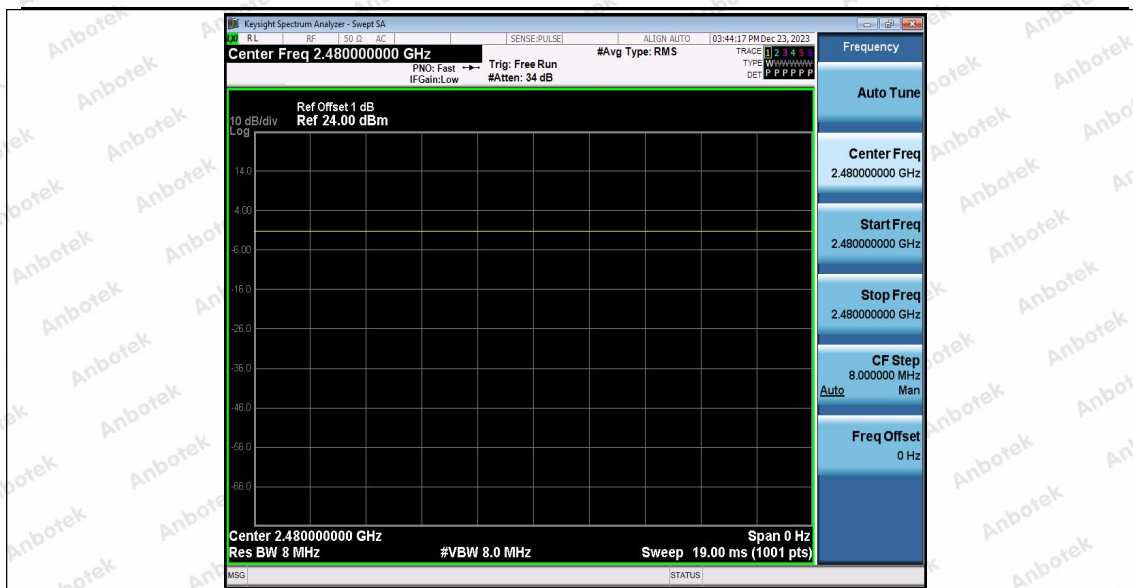
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