

Appendix Test Data

Report No.:	18220WC30129501	Test Sample No.:	1-2-2
Start Test Date:	2023.06.27	Finish Test Date:	2023.06.27
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.8°C	Relative Humidity:	48%
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	0.624	2401.640	2402.264	0.5	PASS
		2440	0.648	2439.628	2440.276	0.5	PASS
		2480	0.624	2479.648	2480.272	0.5	PASS

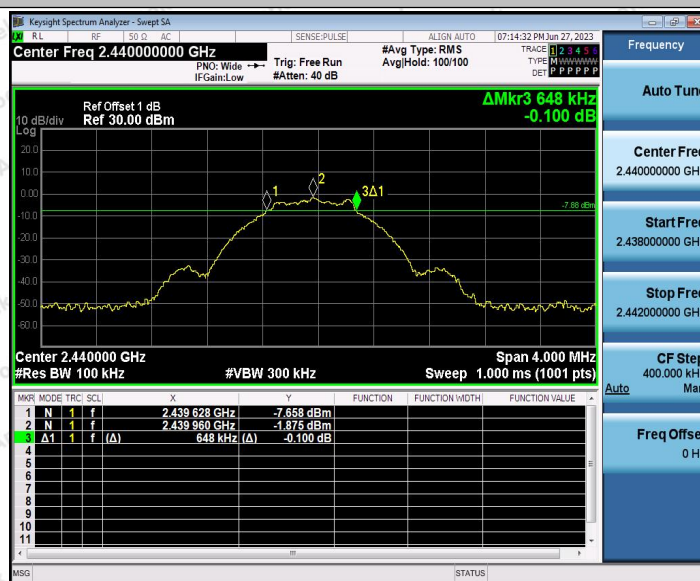


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

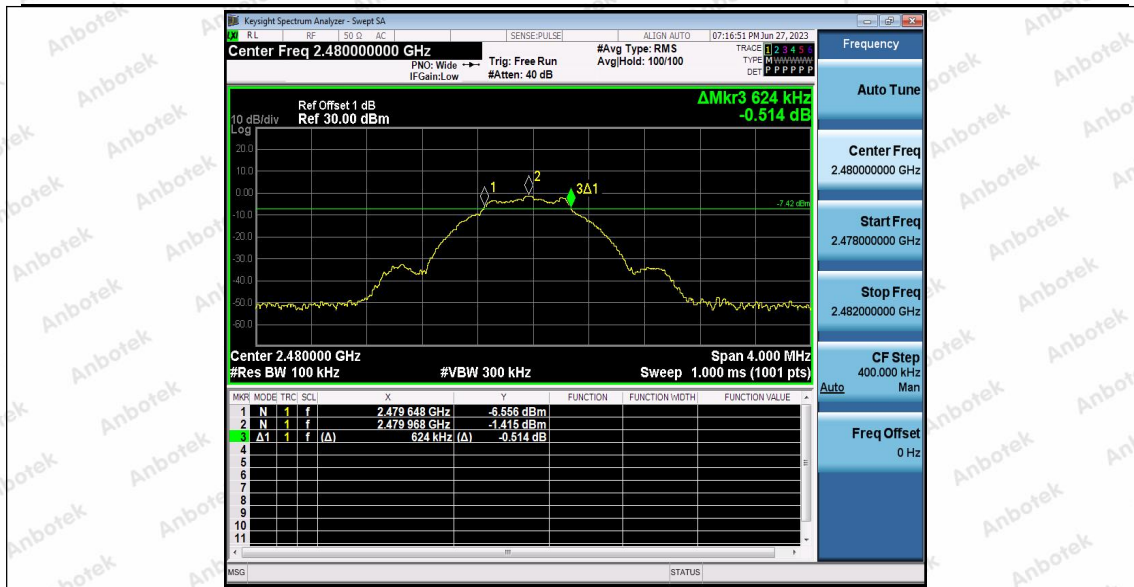
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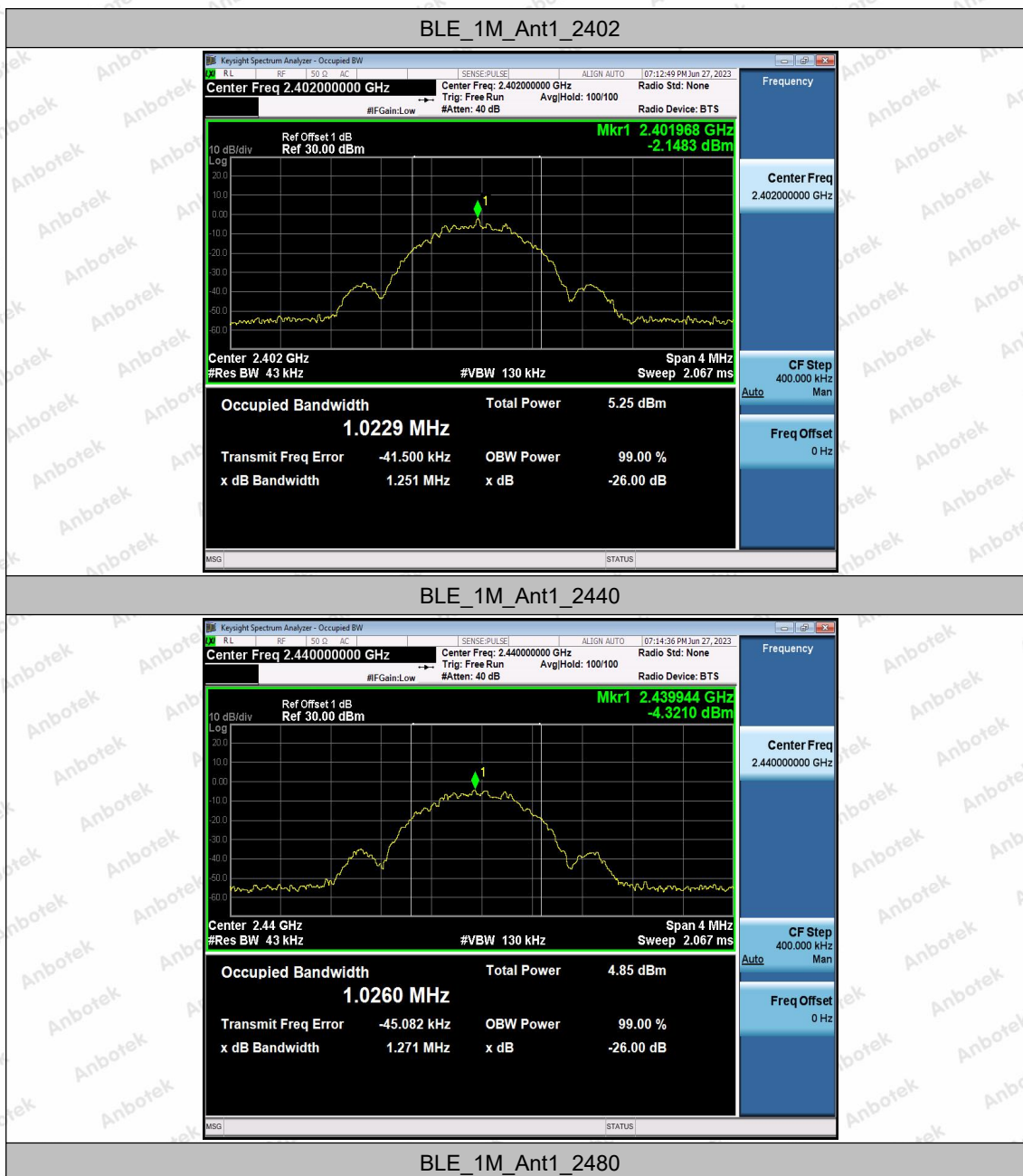
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0229	2401.4471	2402.4700
		2440	1.0260	2439.4419	2440.4679
		2480	1.0245	2479.4403	2480.4648



Test Graphs



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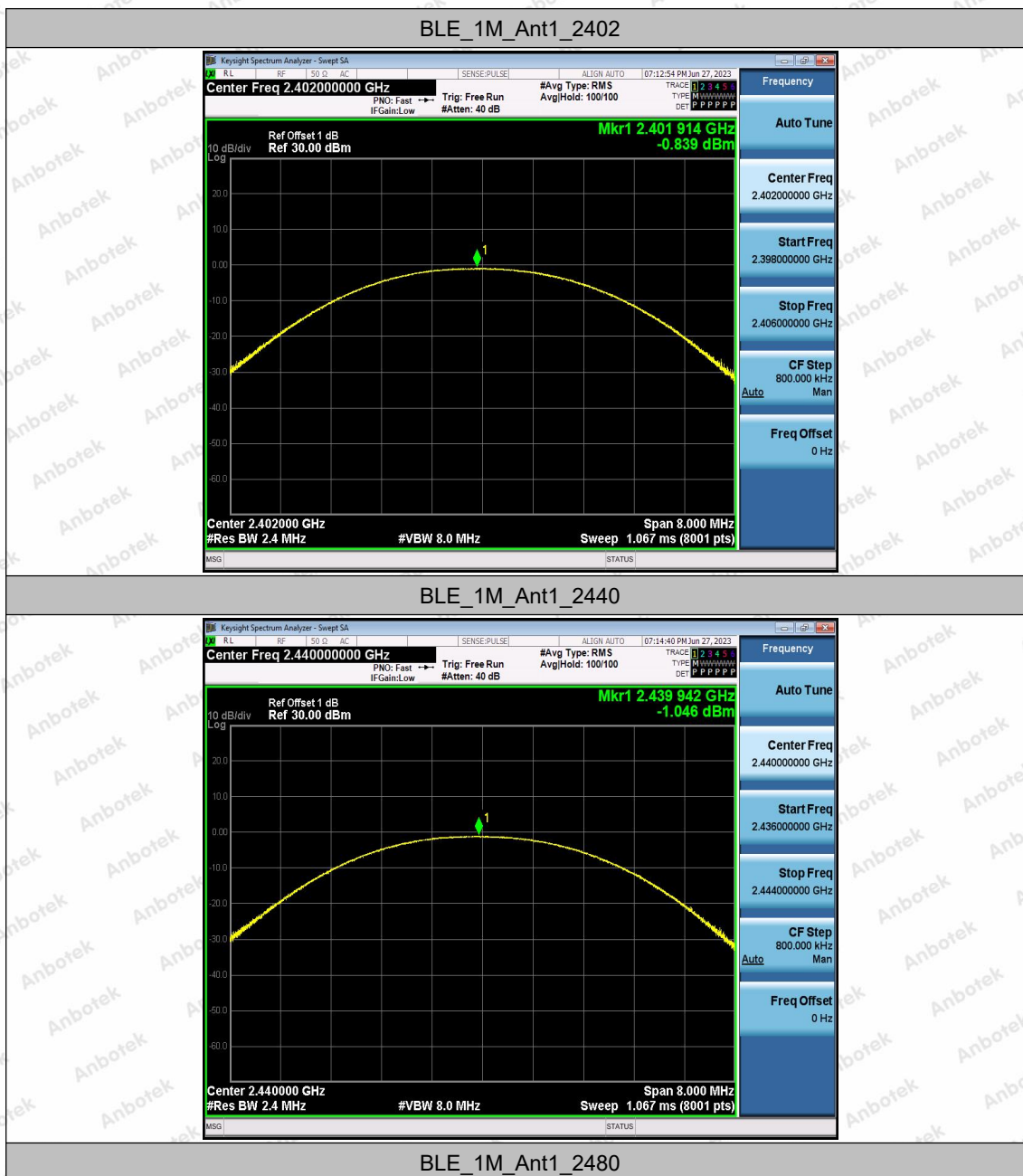
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.84	≤30	PASS
		2440	-1.05	≤30	PASS
		2480	-0.69	≤30	PASS



Test Graphs Peak



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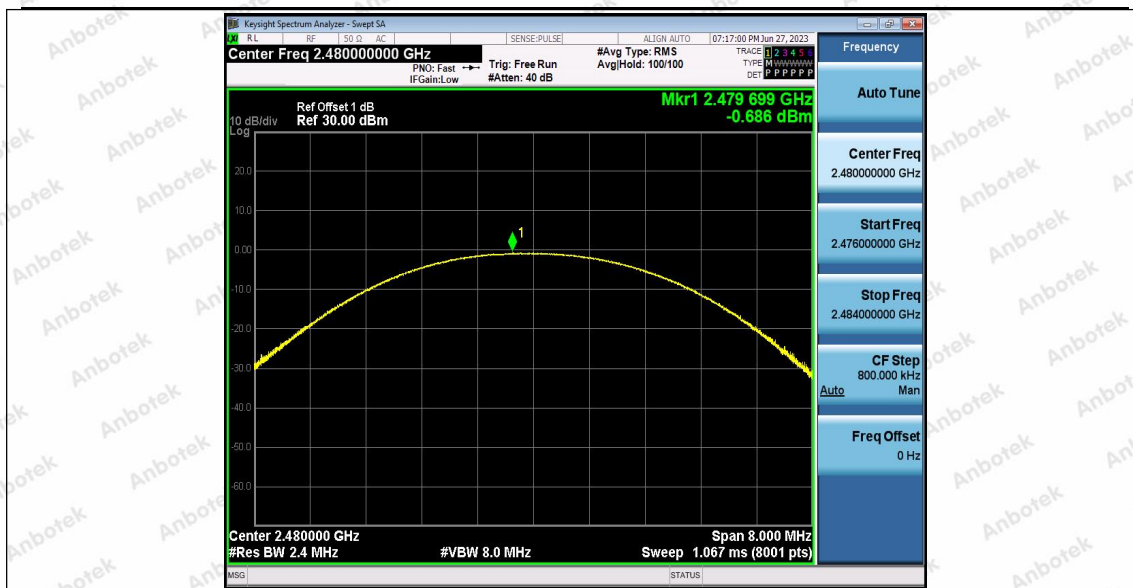


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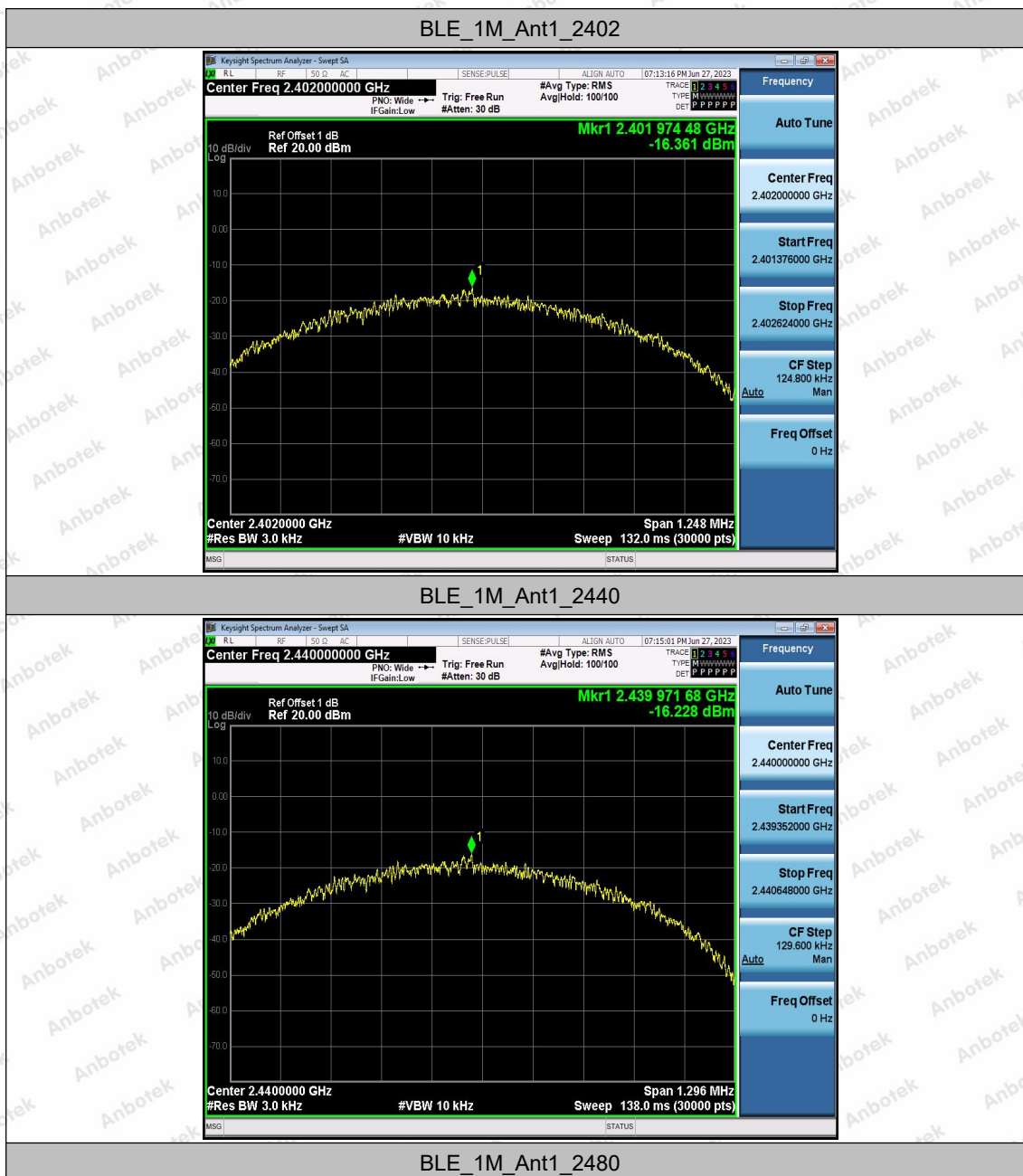
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.36	≤8.00	PASS
		2440	-16.23	≤8.00	PASS
		2480	-16.12	≤8.00	PASS



Test Graphs



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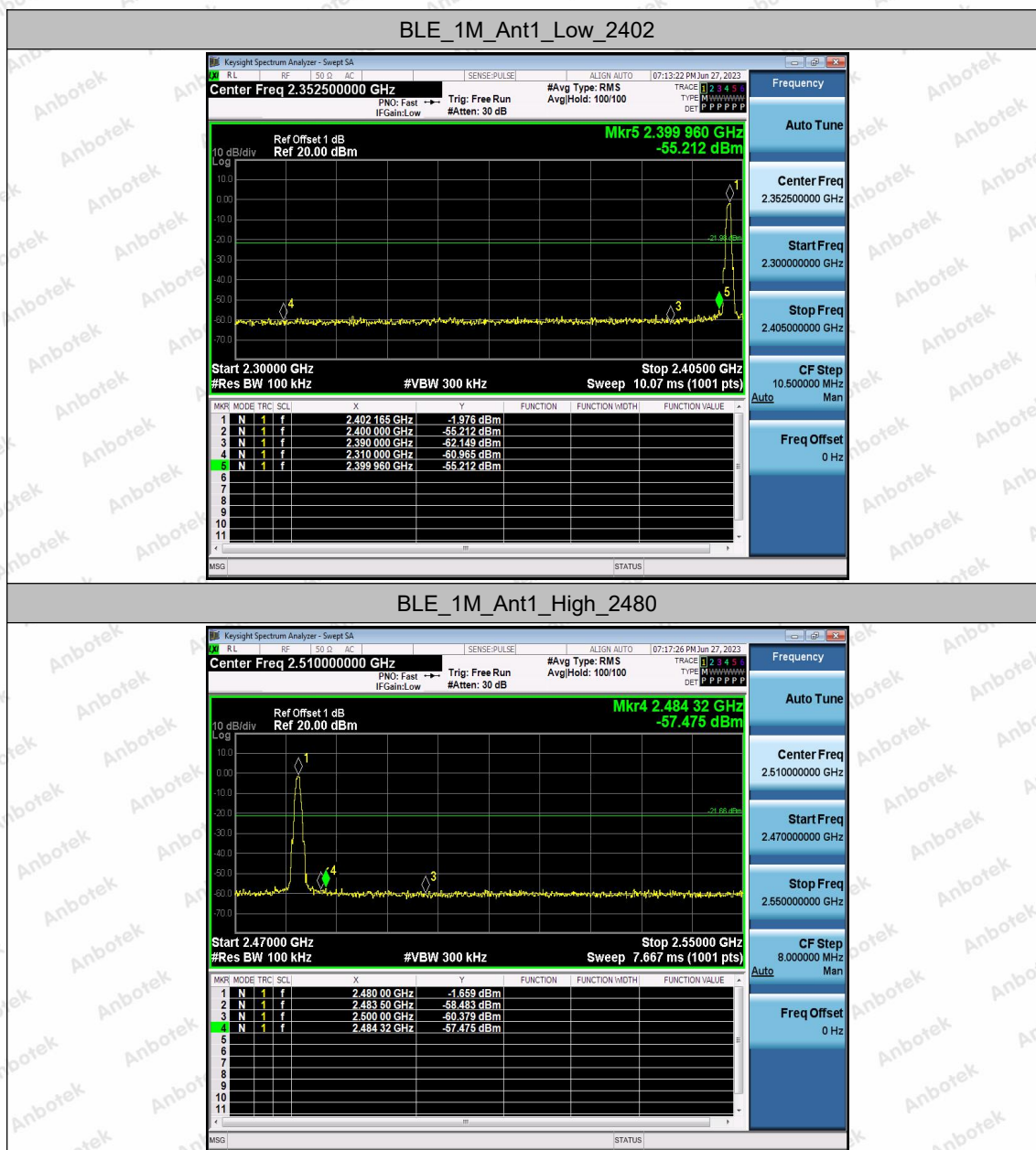


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.98	-55.21	≤ -21.98	PASS
		High	2480	-1.66	-57.48	≤ -21.66	PASS

Test Graphs



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	-2.52	-2.52	---	PASS
			30~1000	-2.52	-68.82	≤-22.52	PASS
			1000~26500	-2.52	-53.47	≤-22.52	PASS
		2440	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-69.22	≤-22.93	PASS
			1000~26500	-2.93	-53.99	≤-22.93	PASS
		2480	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-68.96	≤-21.98	PASS
			1000~26500	-1.98	-53.4	≤-21.98	PASS

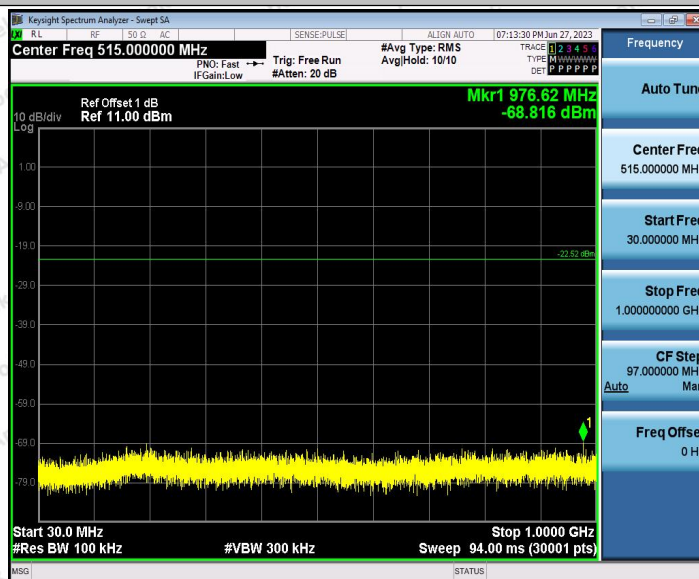


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

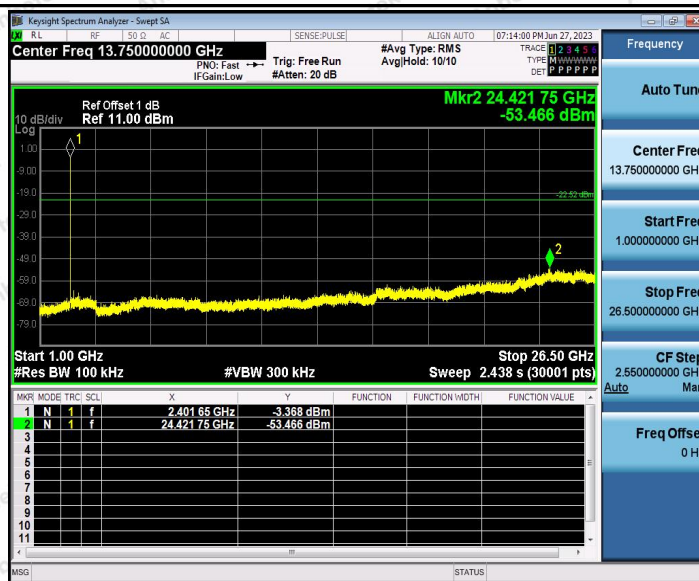
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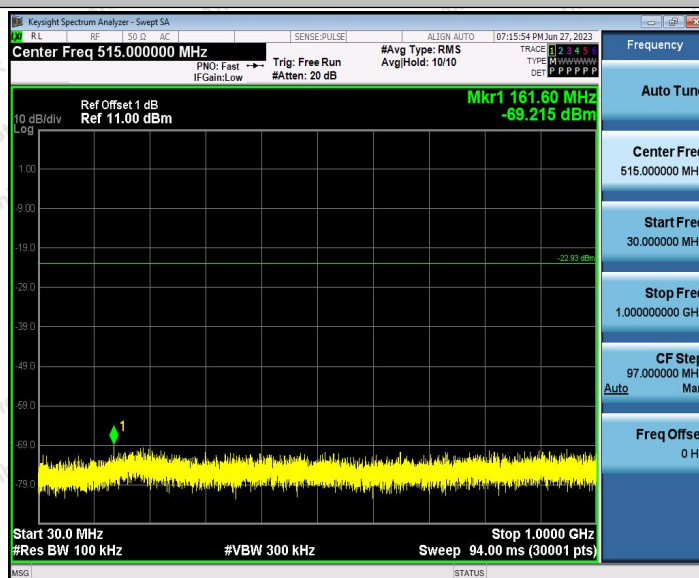




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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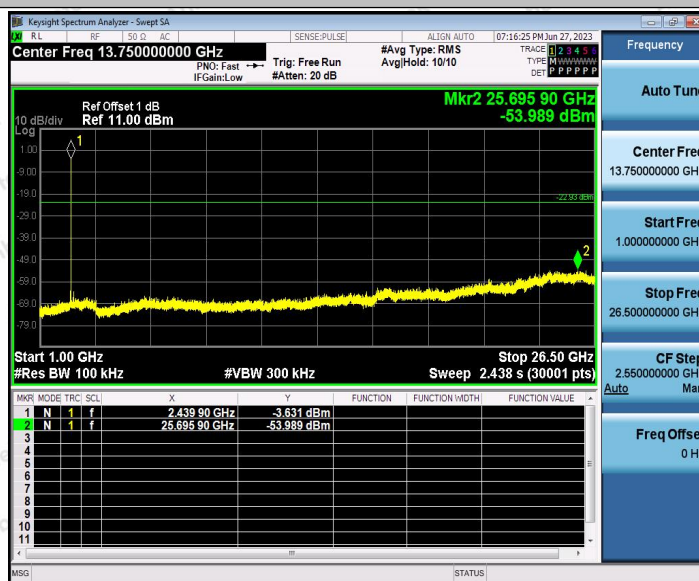
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

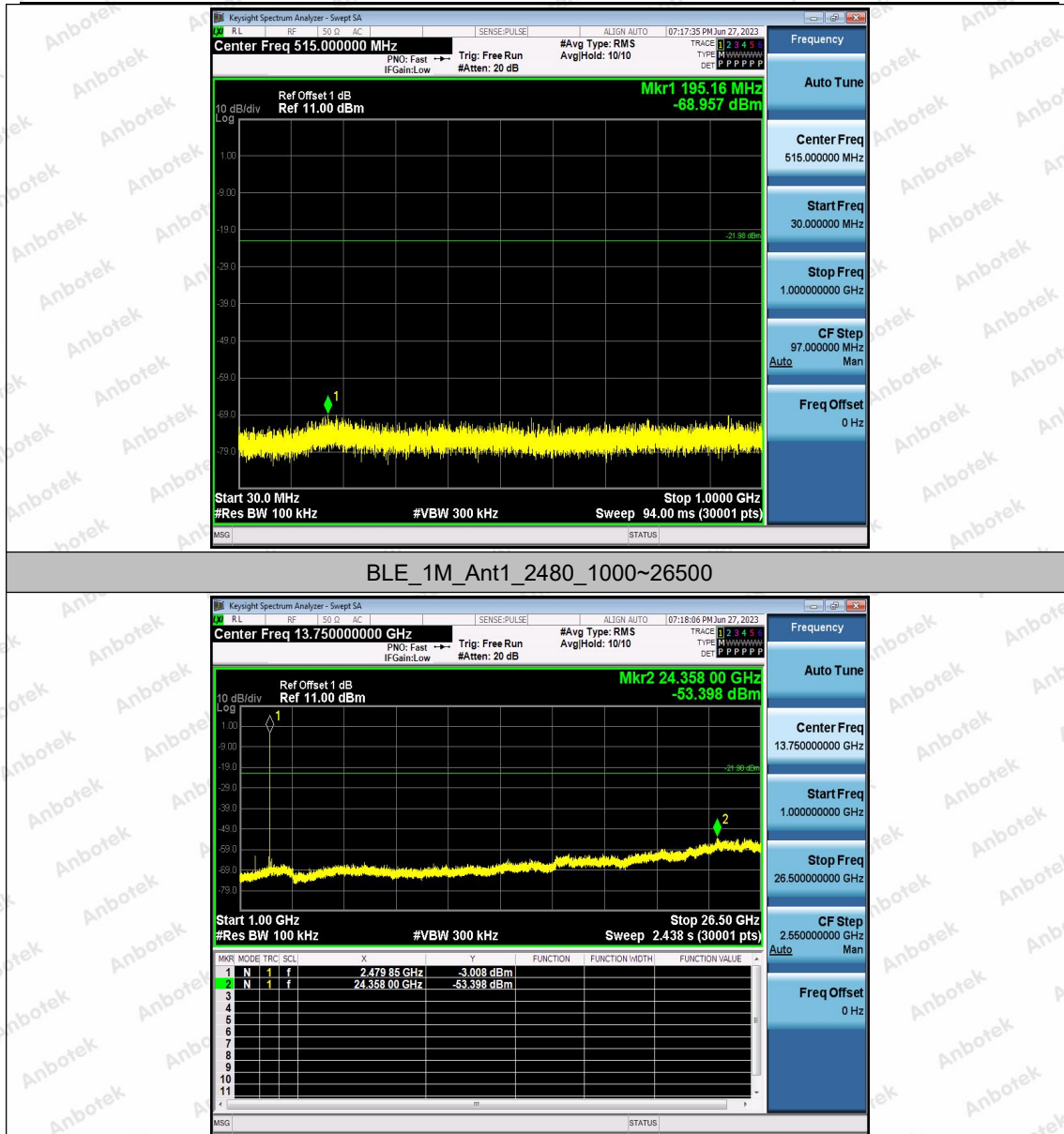
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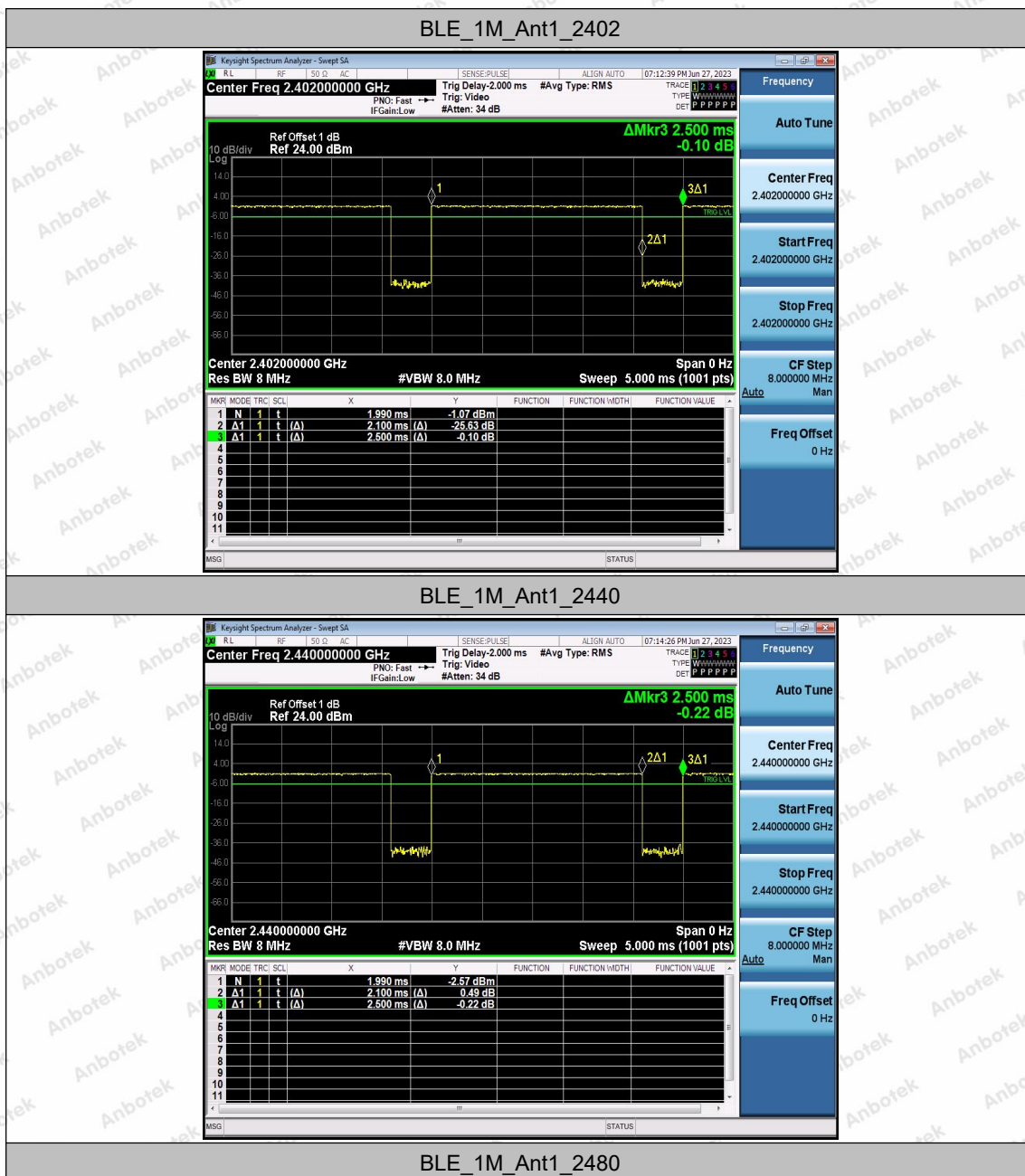
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76



Test Graphs



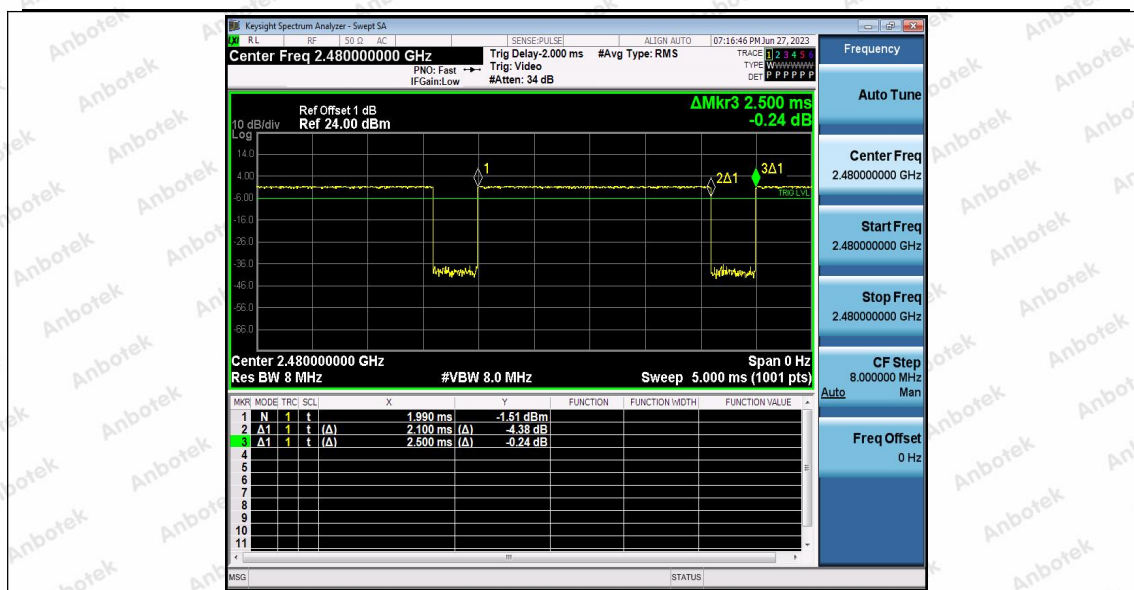
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