

Appendix Test Data

Report No.:	18220WC30278901	Test Sample No.:	1-2-2
Start Test Date:	2024.1.16	Finish Test Date:	2024.1.17
Test Engineer:	Hayman Chen	Auditor:	Justin Feng
Temperature:	25.5°C	Relative Humidity:	46%
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	0.672	2401.660	2402.332	0.5	PASS
		2440	0.636	2439.692	2440.328	0.5	PASS
		2480	0.704	2479.648	2480.352	0.5	PASS

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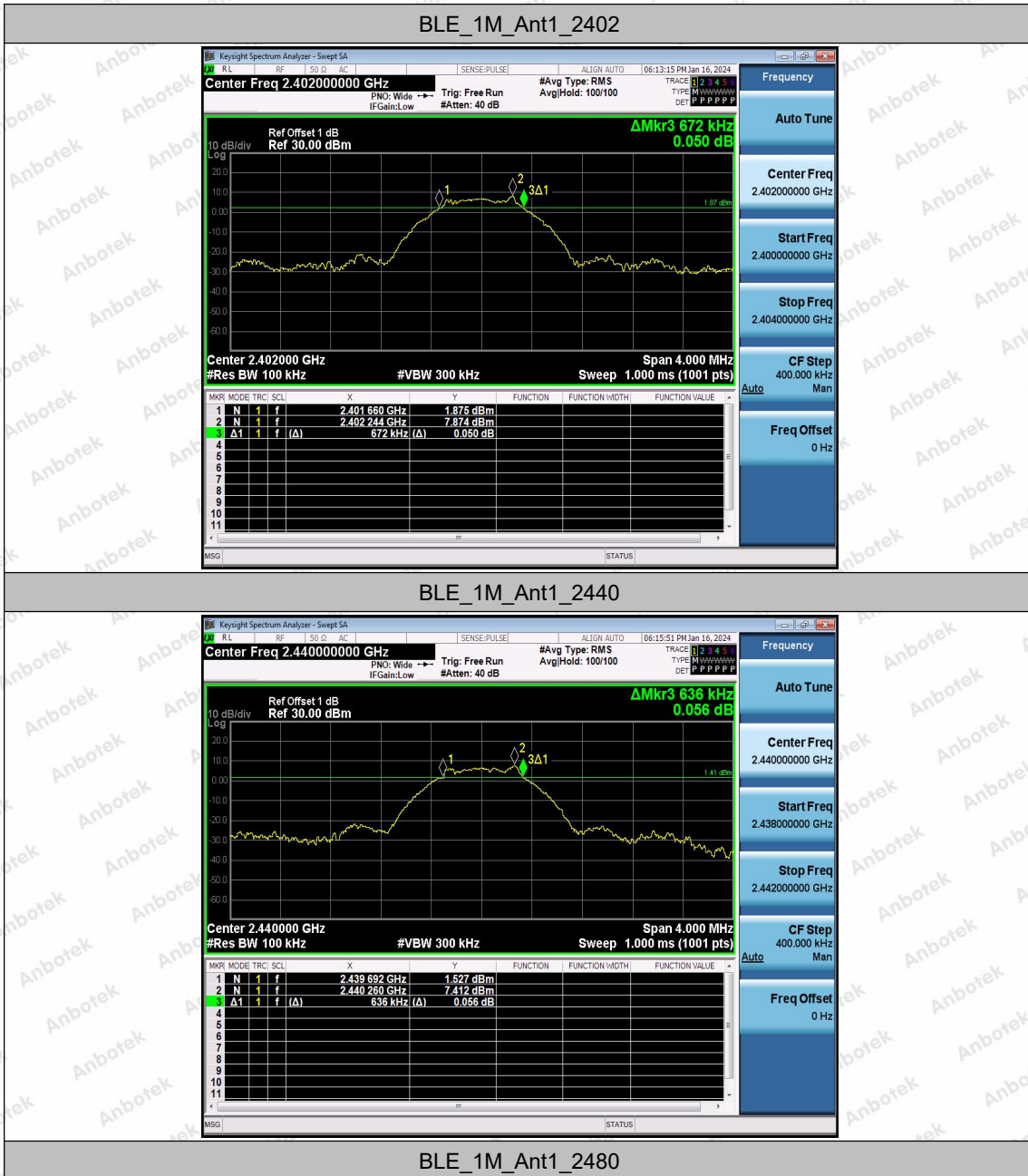
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Test Graphs

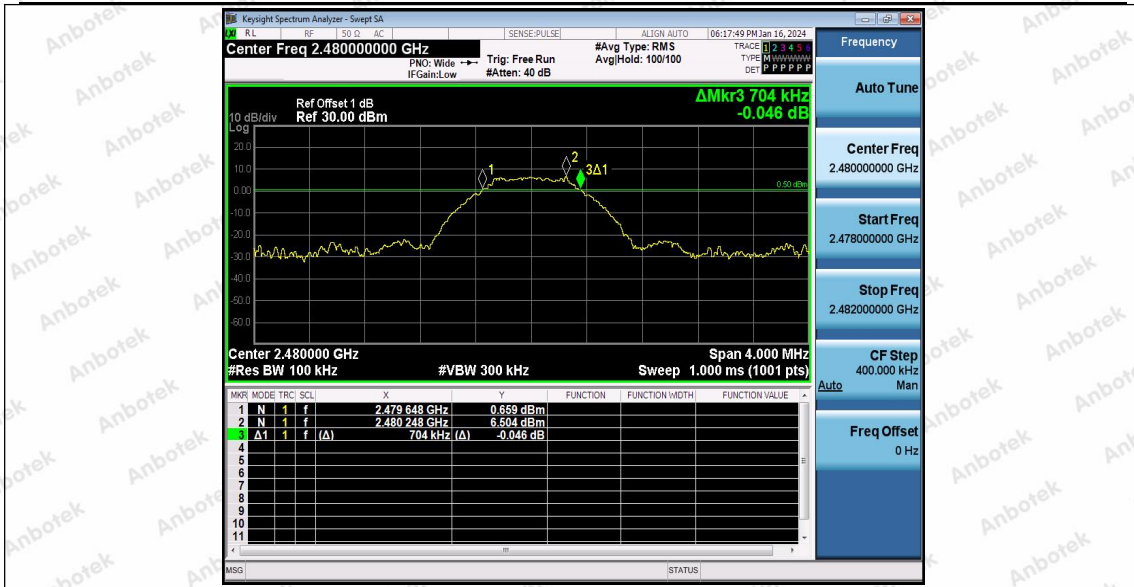


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0334	2401.4834	2402.5168
		2440	1.0296	2439.4867	2440.5163
		2480	1.0479	2479.4759	2480.5238



Test Graphs



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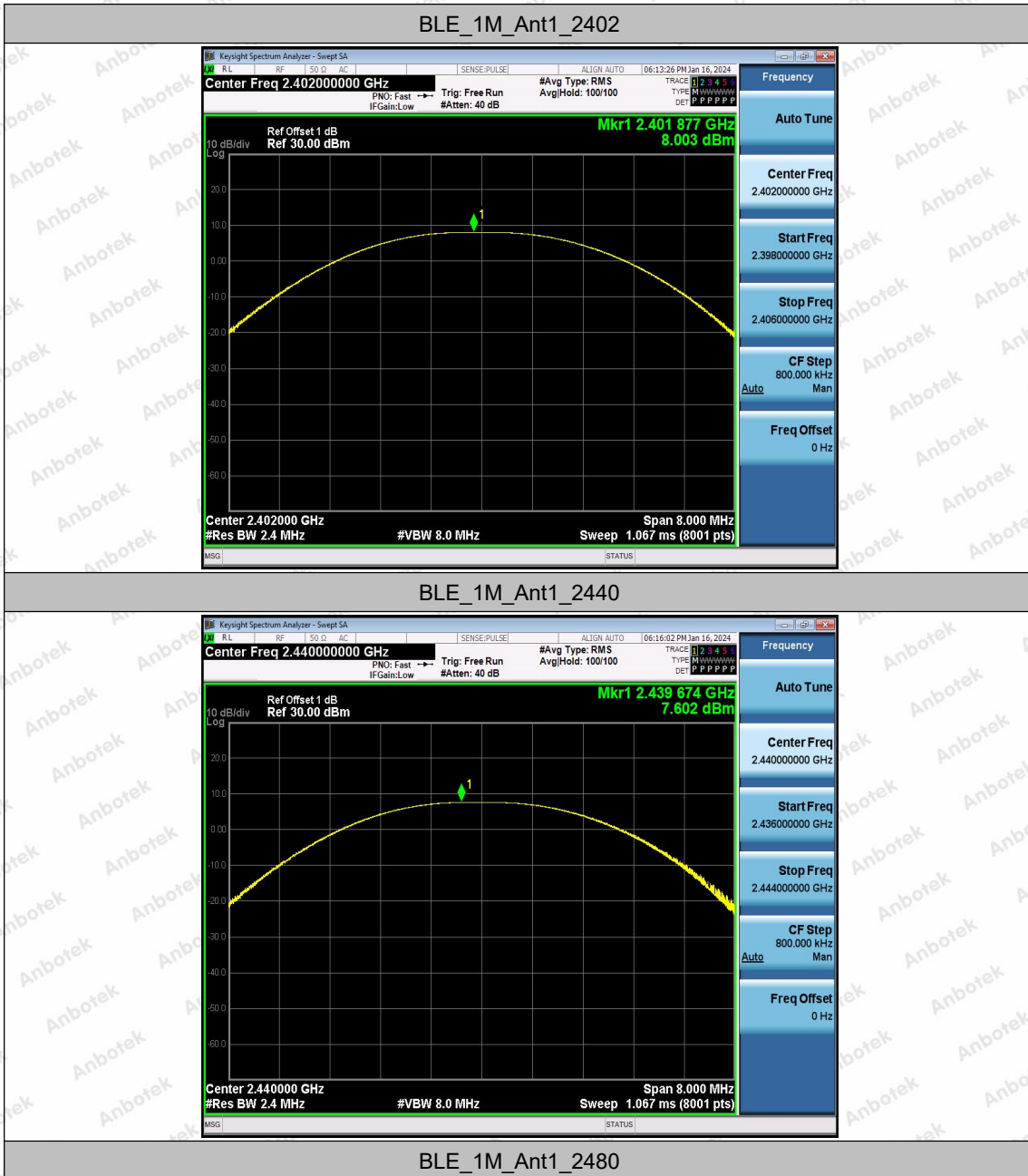
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.00	≤30	PASS
		2440	7.60	≤30	PASS
		2480	7.39	≤30	PASS



Test Graphs Peak



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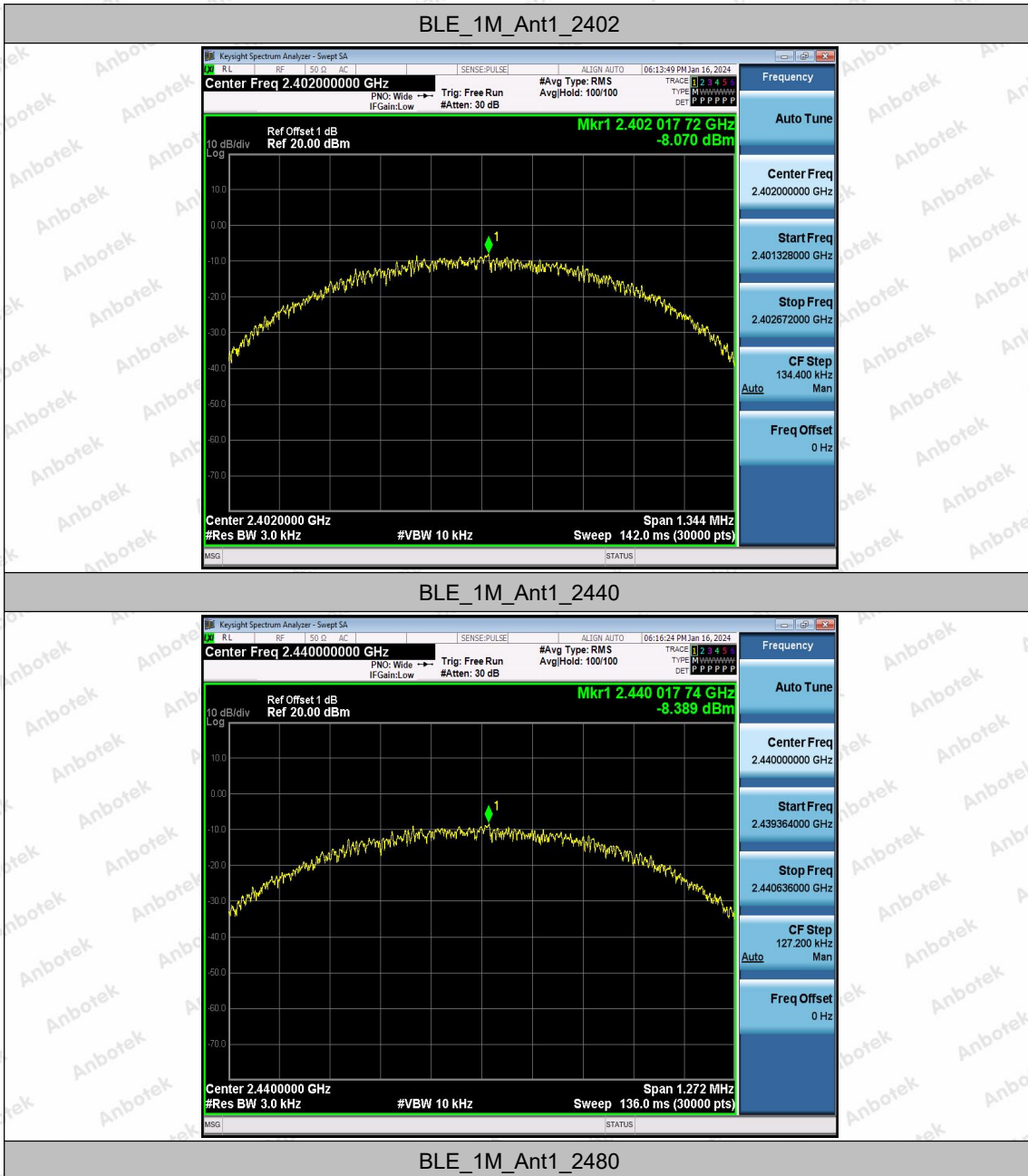
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.07	≤8.00	PASS
		2440	-8.39	≤8.00	PASS
		2480	-8.56	≤8.00	PASS



Test Graphs



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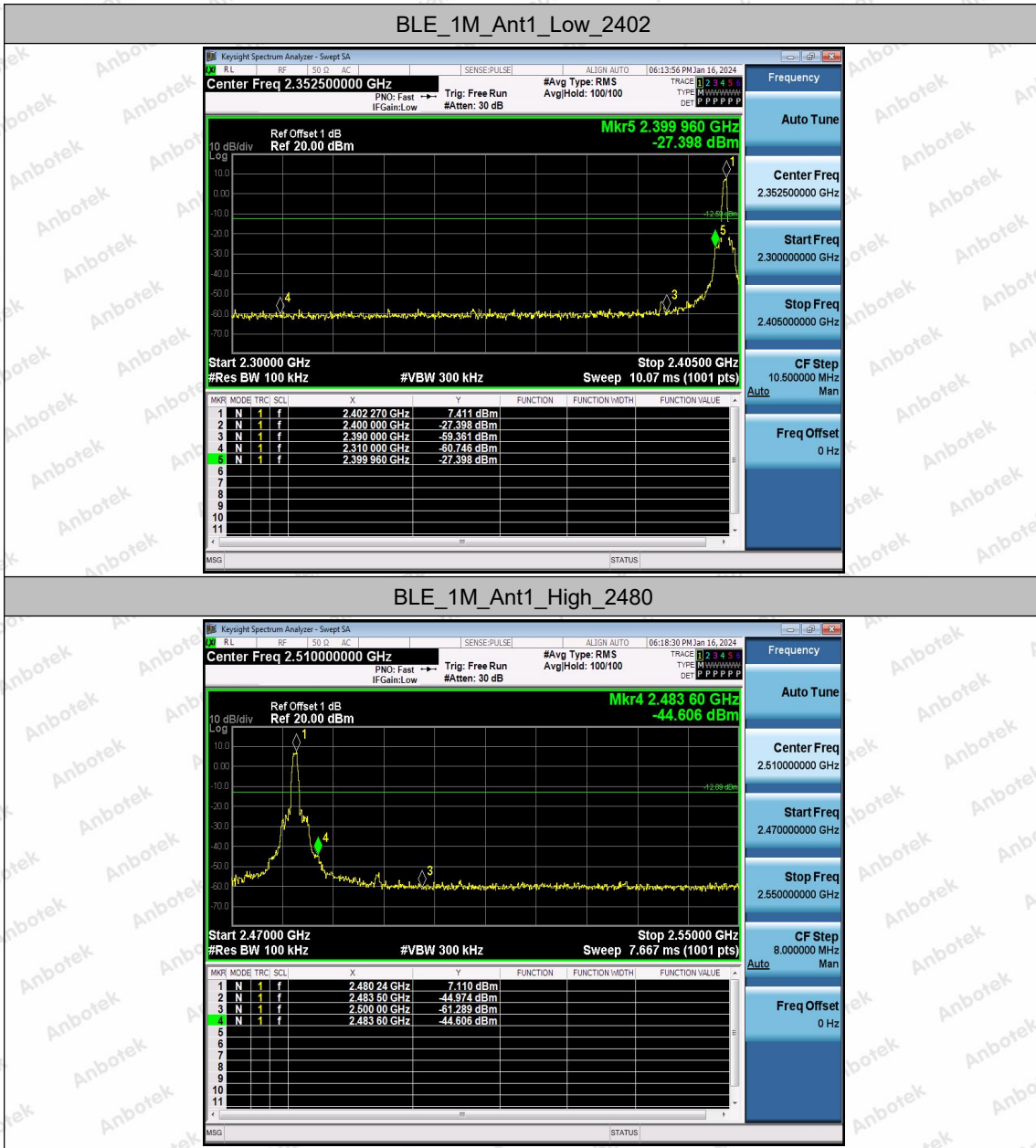
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.41	-27.4	≤-12.59	PASS
		High	2480	7.11	-44.61	≤-12.89	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	6.22	6.22	---	PASS
			30~1000	6.22	-64.93	≤-13.78	PASS
			1000~26500	6.22	-46.68	≤-13.78	PASS
		2440	Reference	6.69	6.69	---	PASS
			30~1000	6.69	-64.69	≤-13.31	PASS
			1000~26500	6.69	-47.89	≤-13.31	PASS
		2480	Reference	6.02	6.02	---	PASS
			30~1000	6.02	-65.32	≤-13.98	PASS
			1000~26500	6.02	-48.03	≤-13.98	PASS

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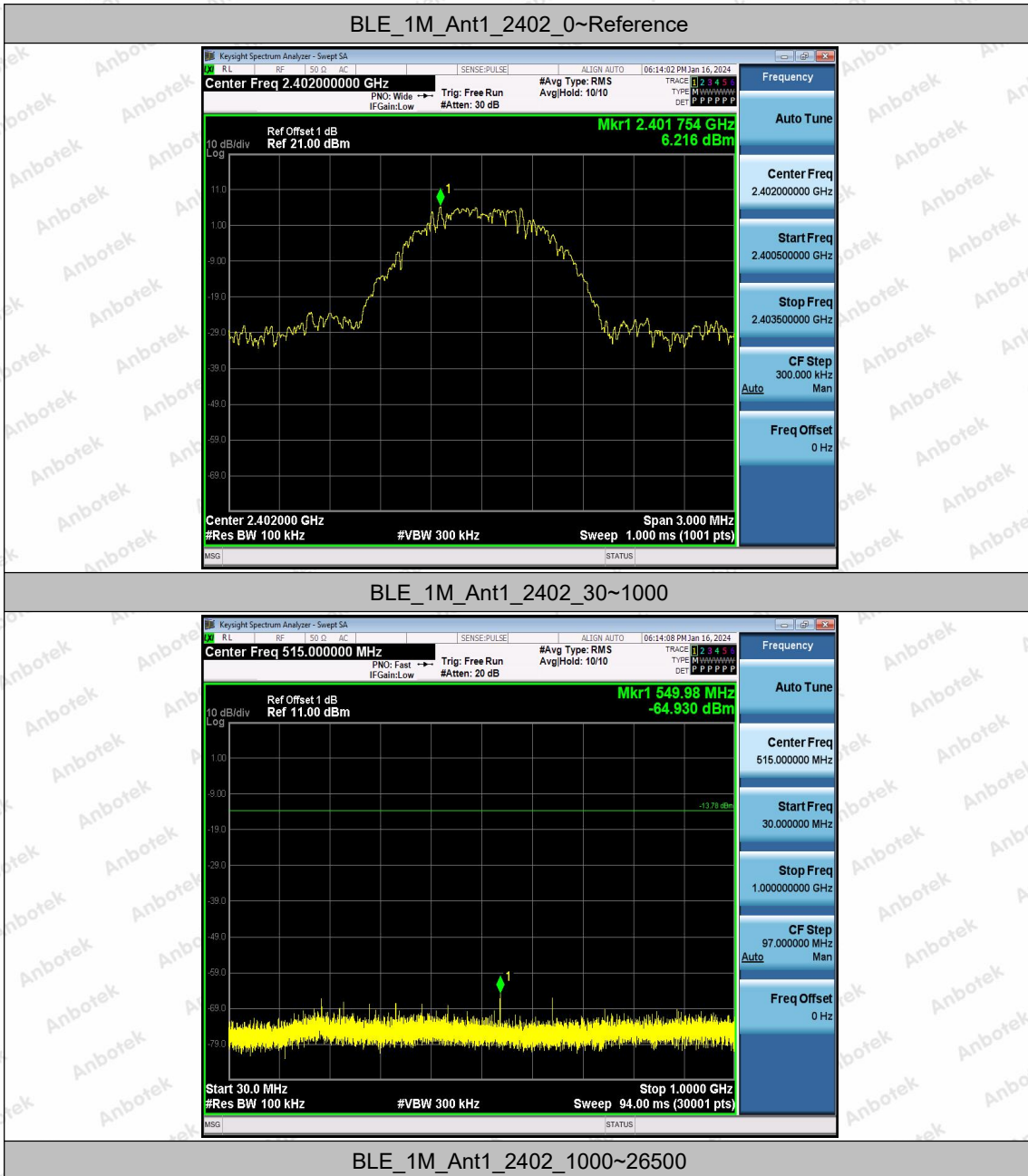
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Test Graphs

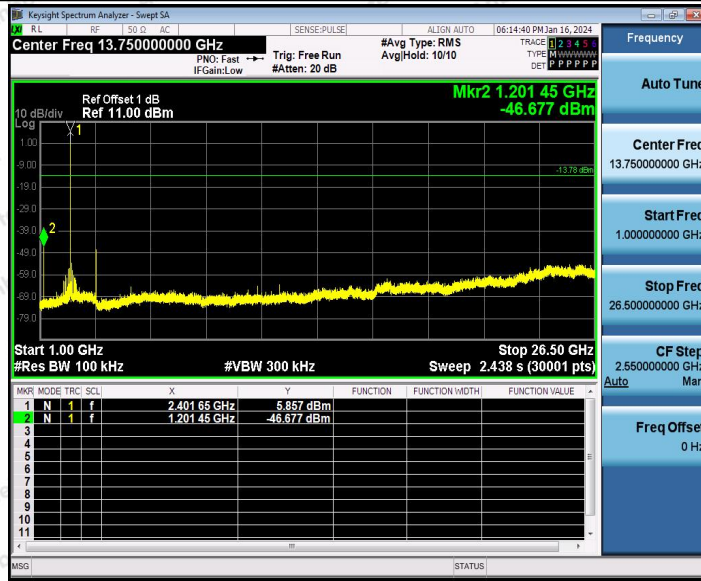


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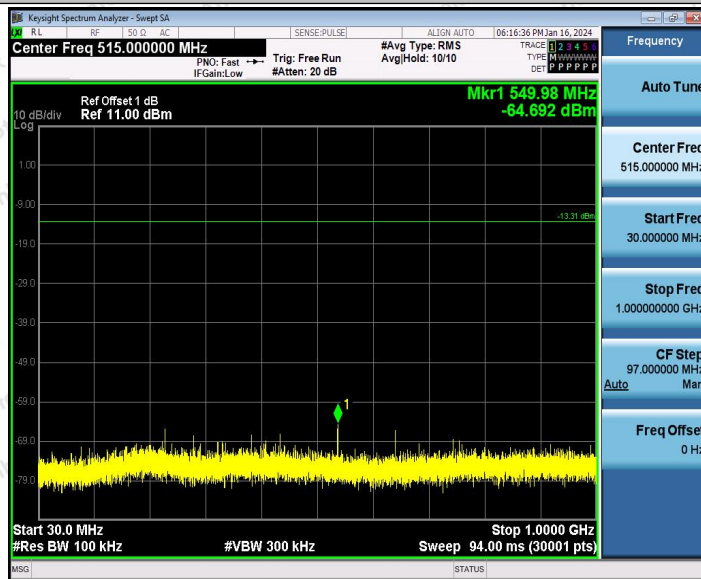




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



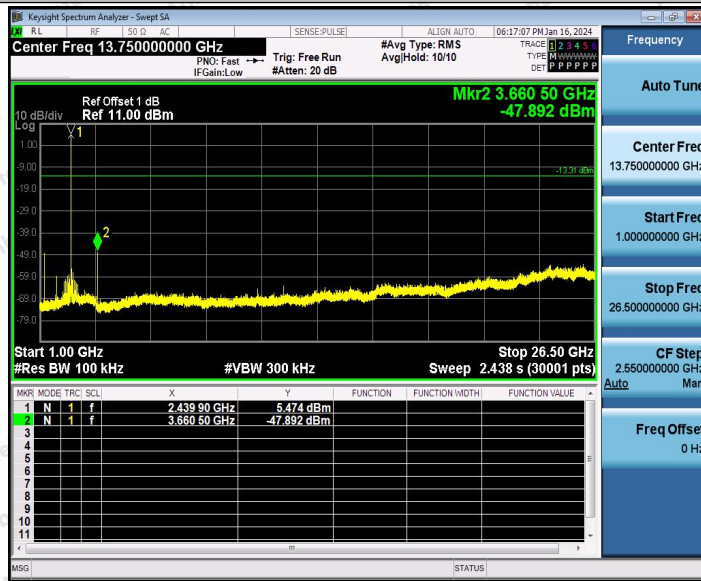
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

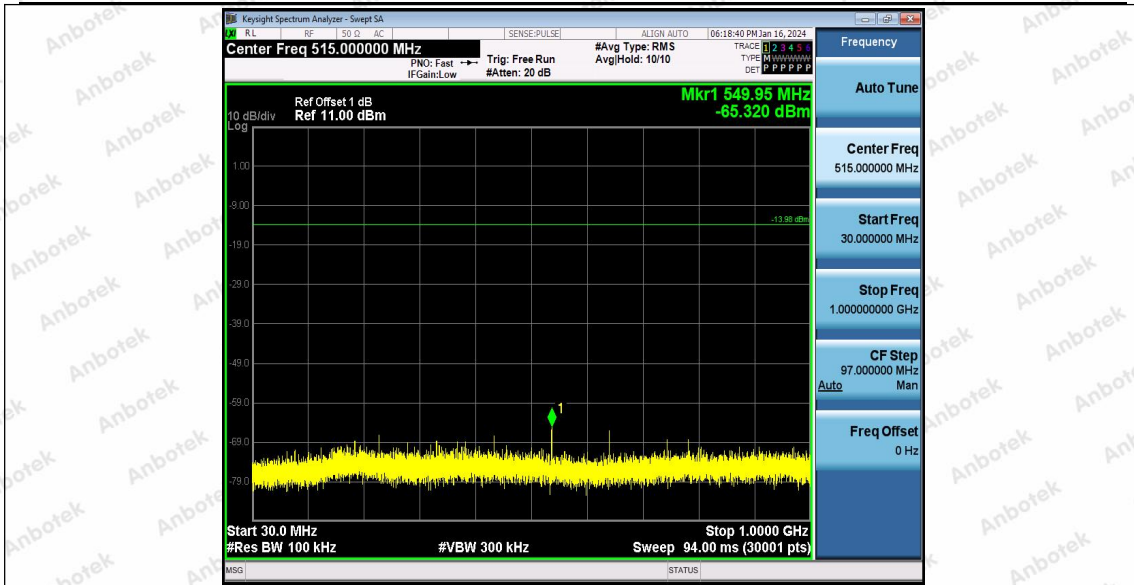
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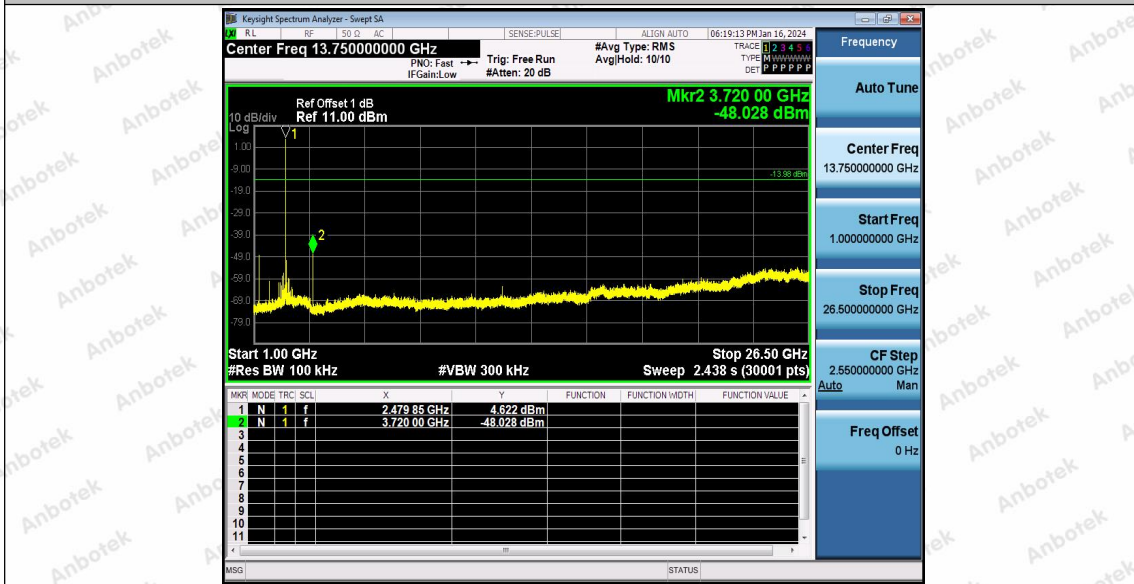


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BLE_1M_Ant1_2480_1000~26500



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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	2.13	2.50	85.20	0.70
		2440	2.12	2.50	84.80	0.72
		2480	2.13	2.50	85.20	0.70

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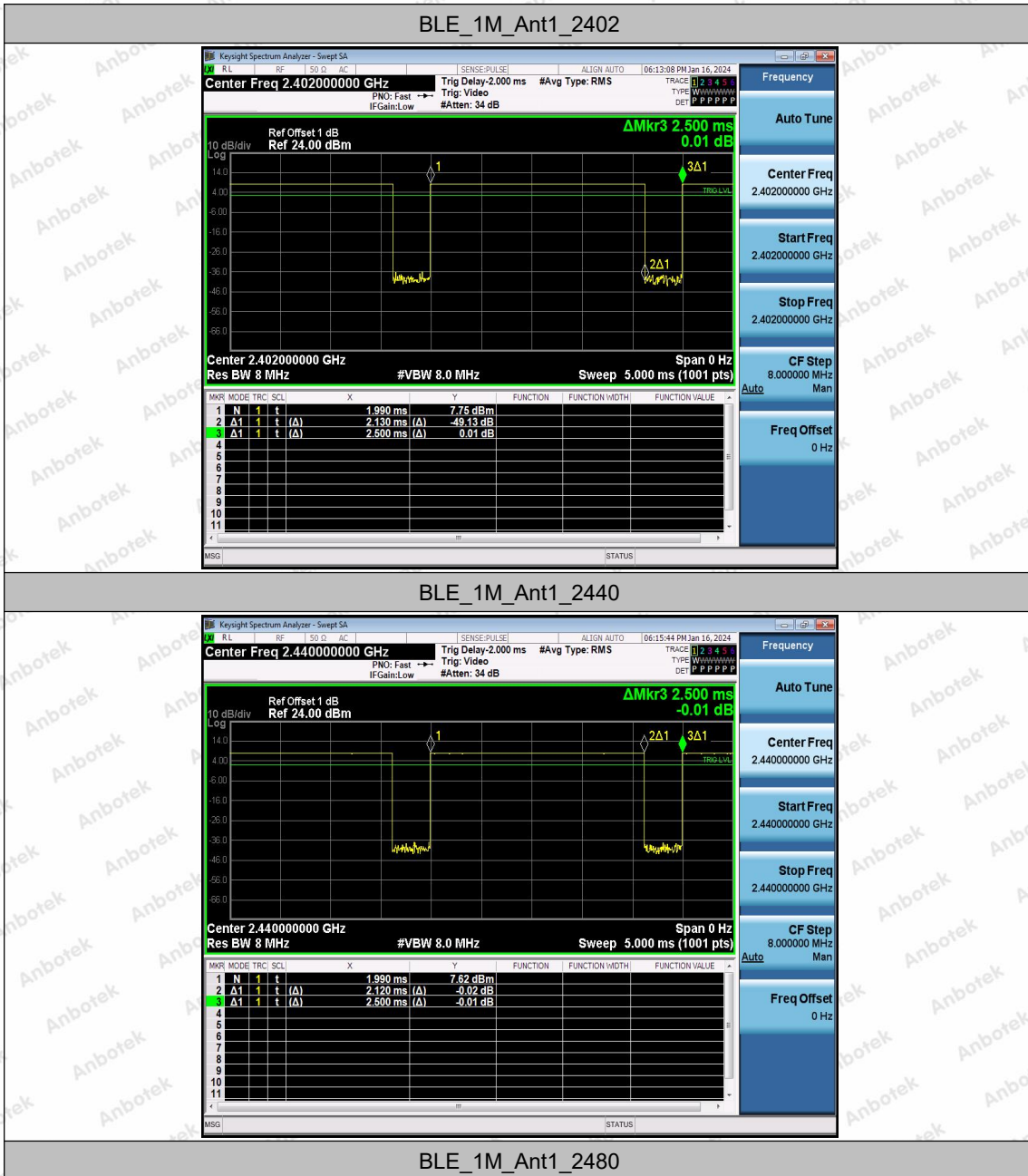
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Test Graphs

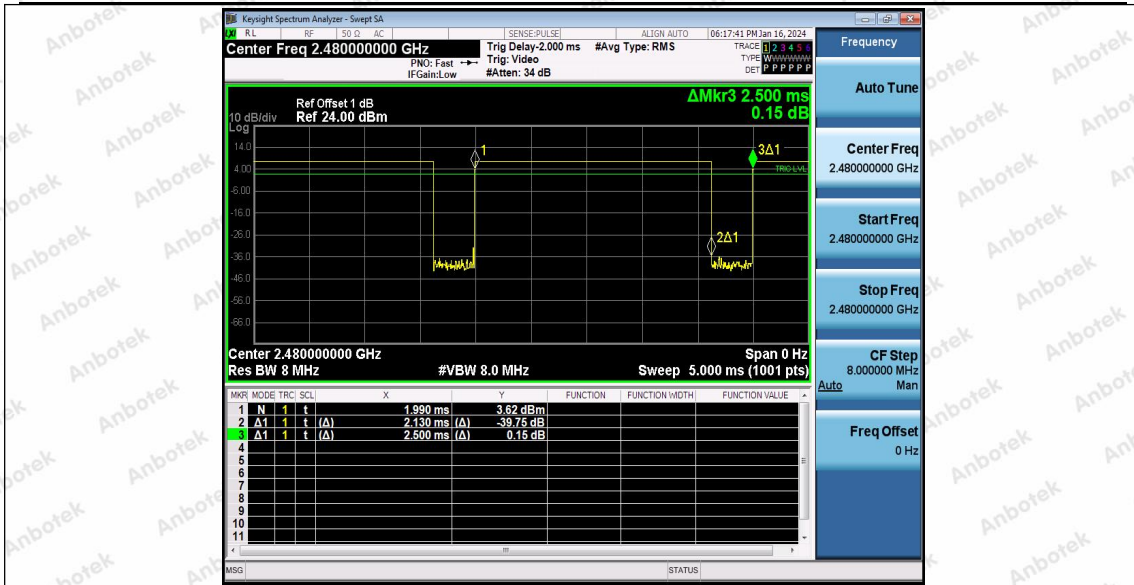


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