

Appendix Test Data

Report No.:	18220WC40010501	Test Sample No.:	1-2-2
Start Test Date:	2024.1.24	Finish Test Date:	2024.1.25
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.3°C	Relative Humidity:	47%
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	2401.668	2402.340	0.5	PASS
		2440	0.692	2439.652	2440.344	0.5	PASS
		2480	0.684	2479.656	2480.340	0.5	PASS

Test Graphs



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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	1.0347	2401.4938	2402.5285
		2440	1.0260	2439.4972	2440.5232
		2480	1.0285	2479.4959	2480.5244

Test Graphs



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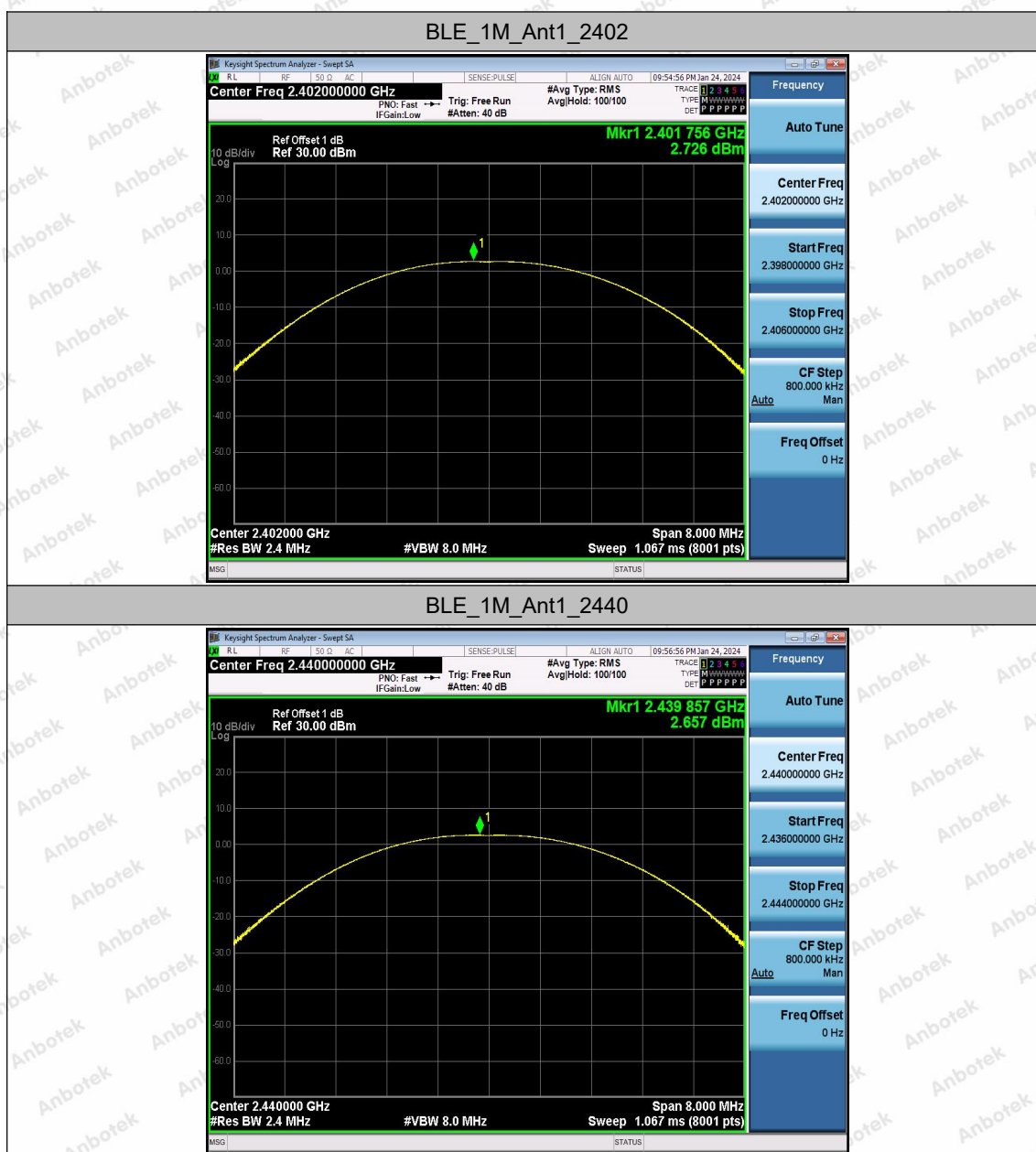


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.73	≤30	PASS
		2440	2.66	≤30	PASS
		2480	1.9	≤30	PASS

Test Graphs Peak



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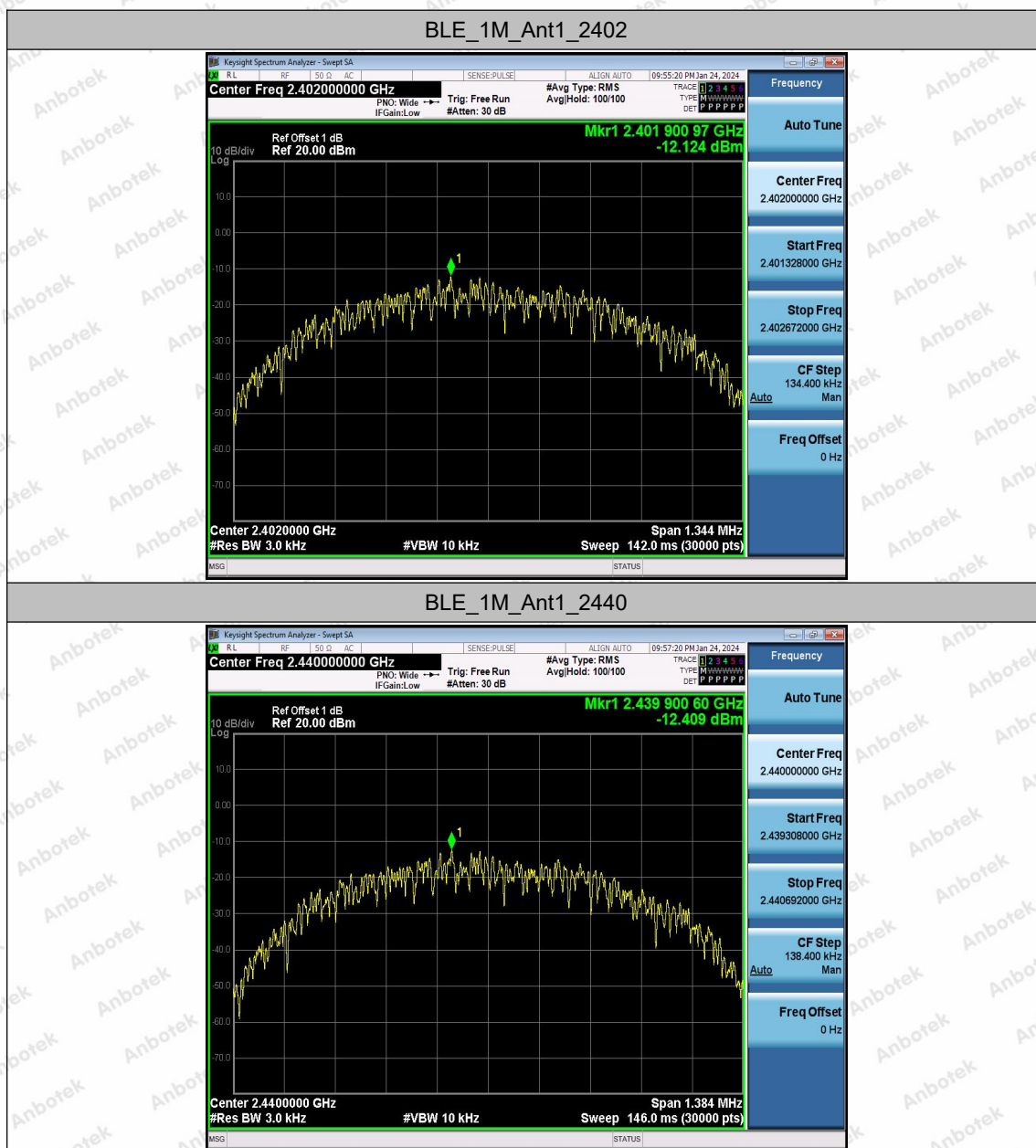


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.12	≤8.00	PASS
		2440	-12.41	≤8.00	PASS
		2480	-13.19	≤8.00	PASS

Test Graphs



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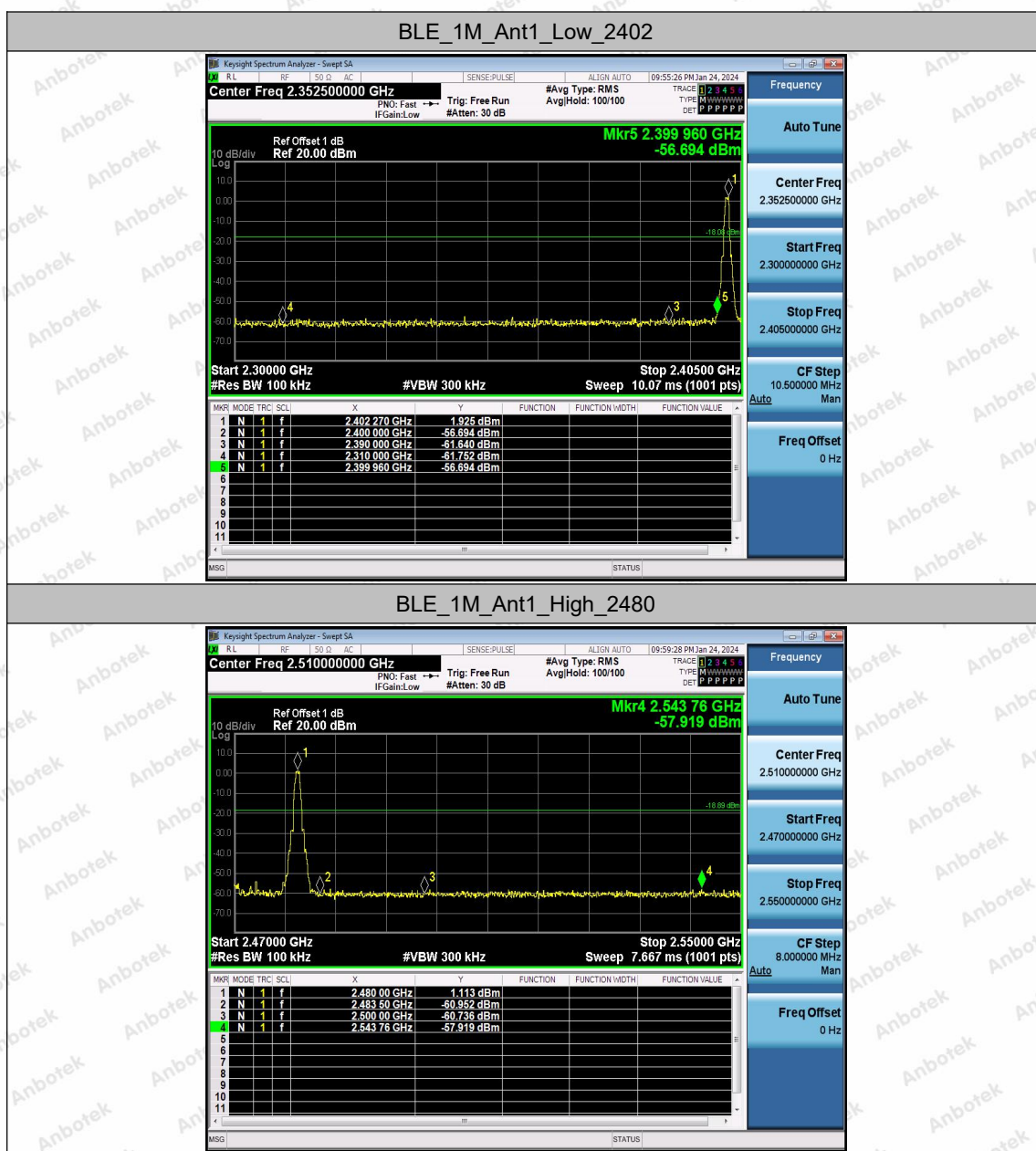


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.93	-56.69	≤-18.08	PASS
		High	2480	1.11	-57.92	≤-18.89	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	1.91	1.91	---	PASS
			30~1000	1.91	-68.76	≤-18.09	PASS
			1000~26500	1.91	-53.72	≤-18.09	PASS
		2440	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-69.5	≤-18.47	PASS
			1000~26500	1.53	-53.03	≤-18.47	PASS
		2480	Reference	0.99	0.99	---	PASS
			30~1000	0.99	-69.27	≤-19.01	PASS
			1000~26500	0.99	-52.8	≤-19.01	PASS



Test Graphs



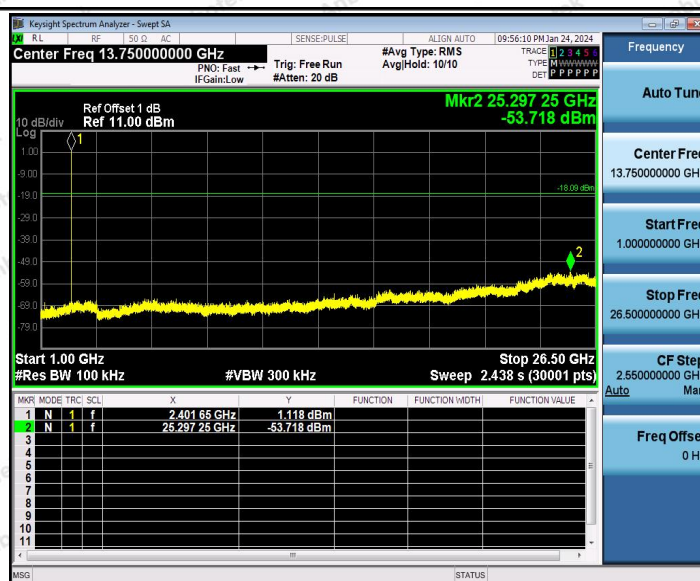
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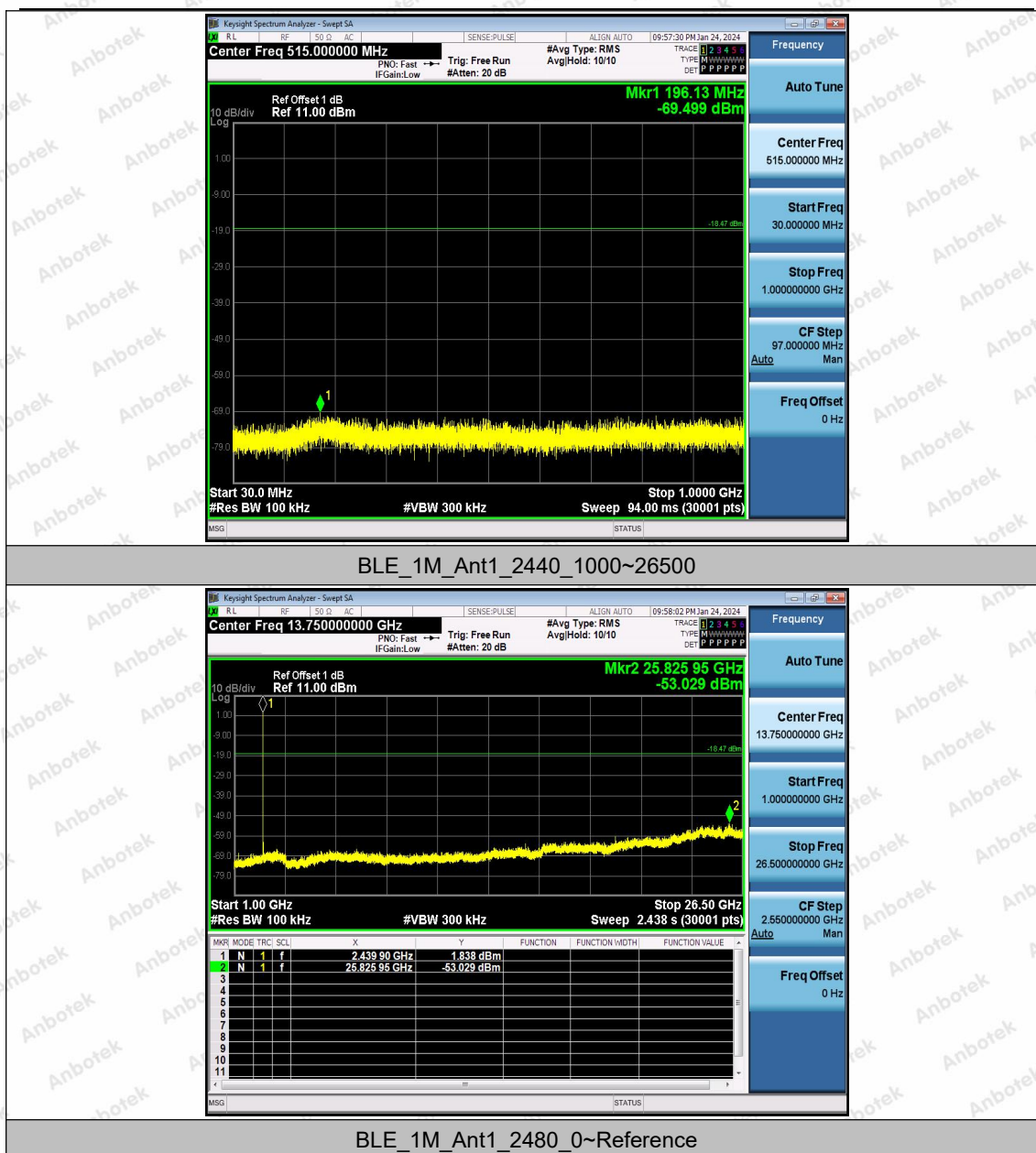


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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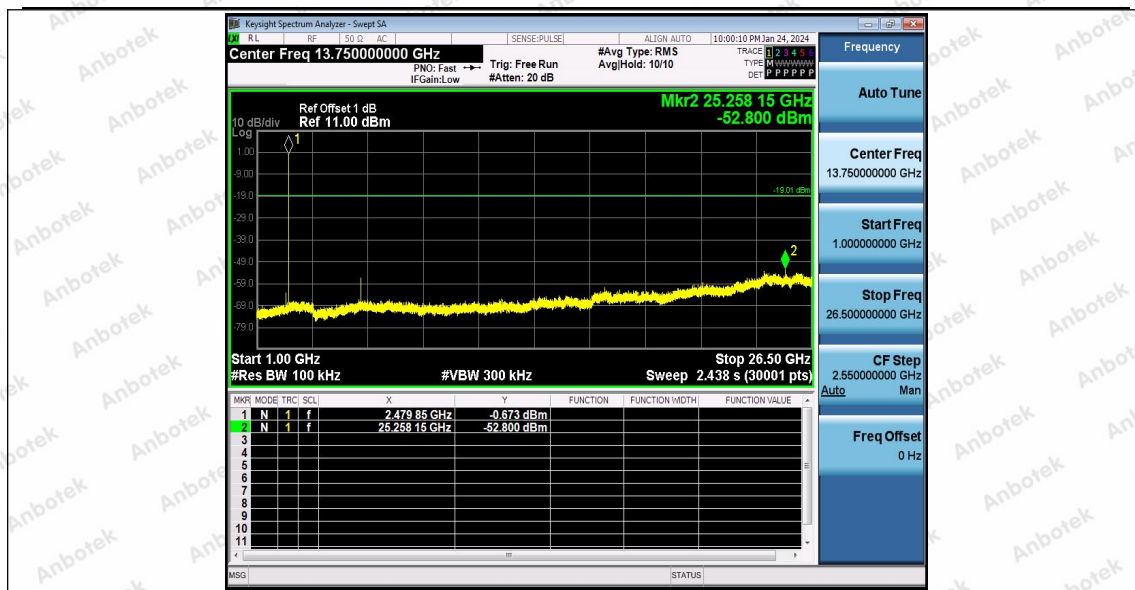
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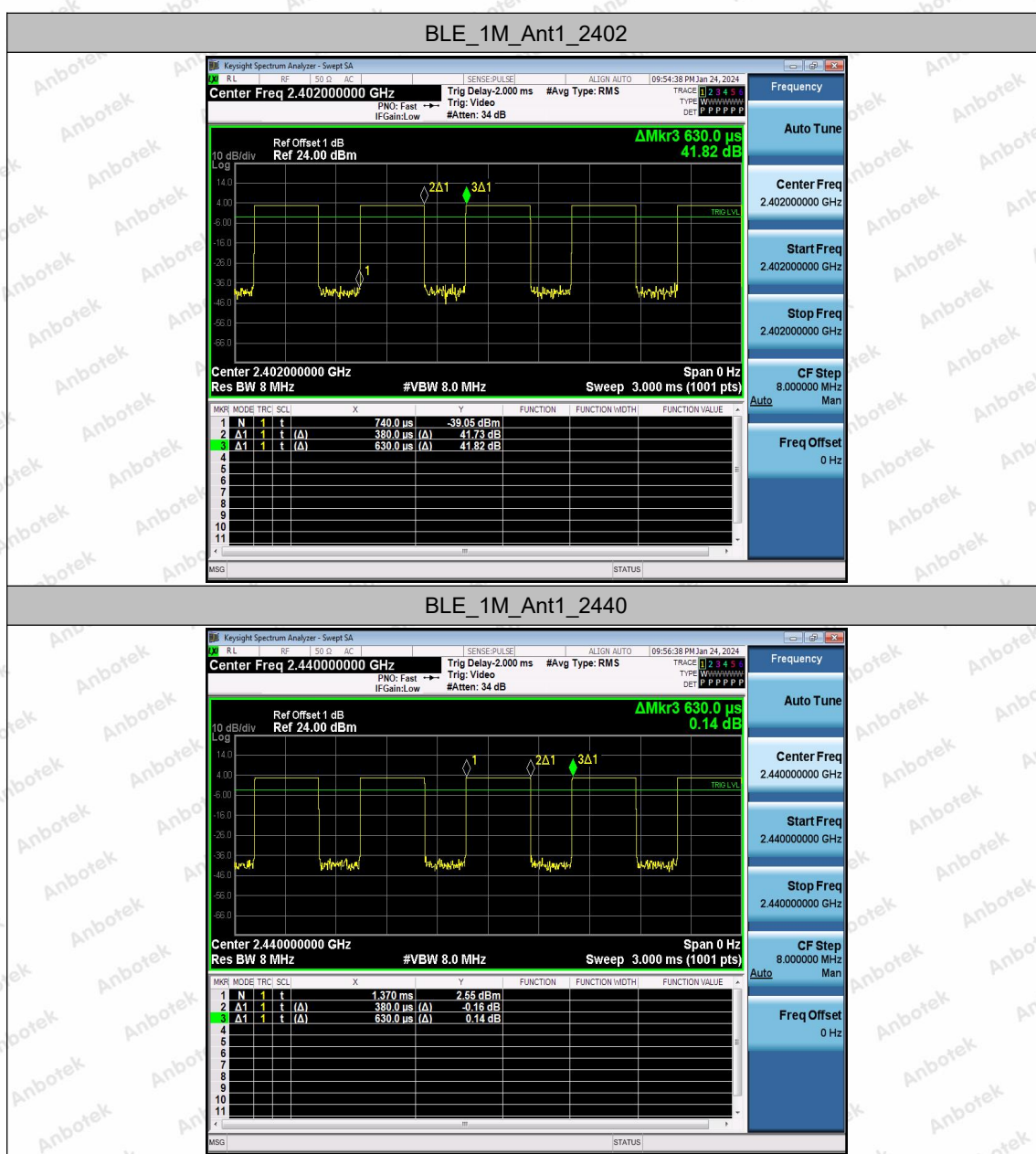


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.62	61.29	2.13

Test Graphs



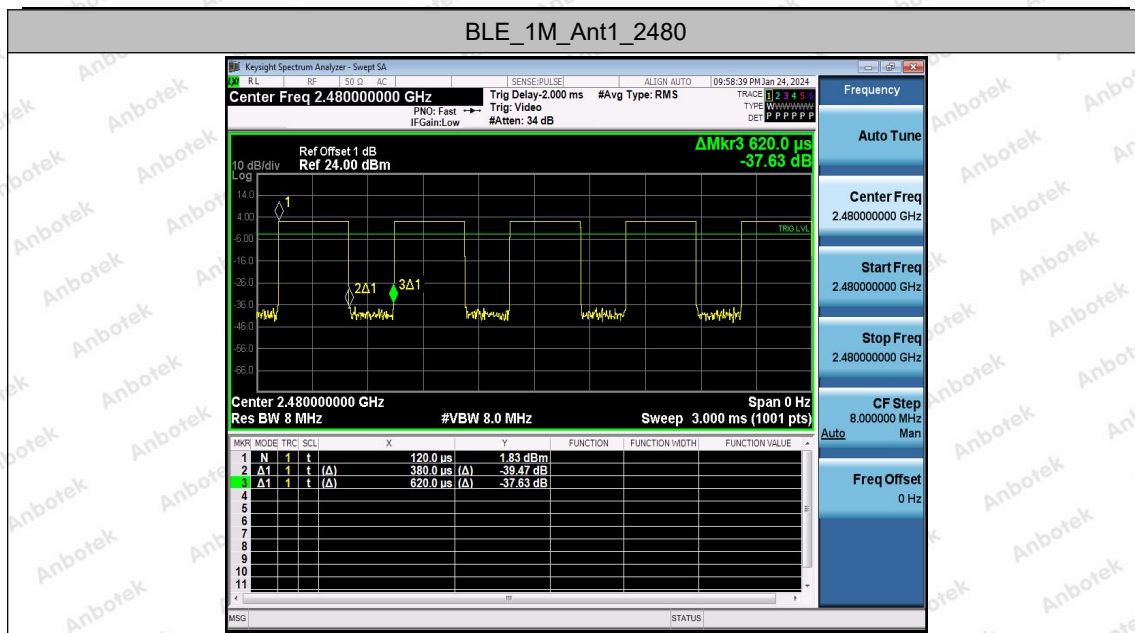
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