

Appendix Test Data

Report No.:	18220WC30267301	Test Sample No.:	1-2-2
Start Test Date:	2023.12.20	Finish Test Date:	2023.12.21
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.3°C	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	0.684	2401.652	2402.336	0.5	PASS
		2440	0.692	2439.648	2440.340	0.5	PASS
		2480	0.680	2479.660	2480.340	0.5	PASS

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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	1.0244	2401.4961	2402.5205
		2440	1.0326	2439.4925	2440.5251
		2480	1.0253	2479.4955	2480.5208

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Test Graphs



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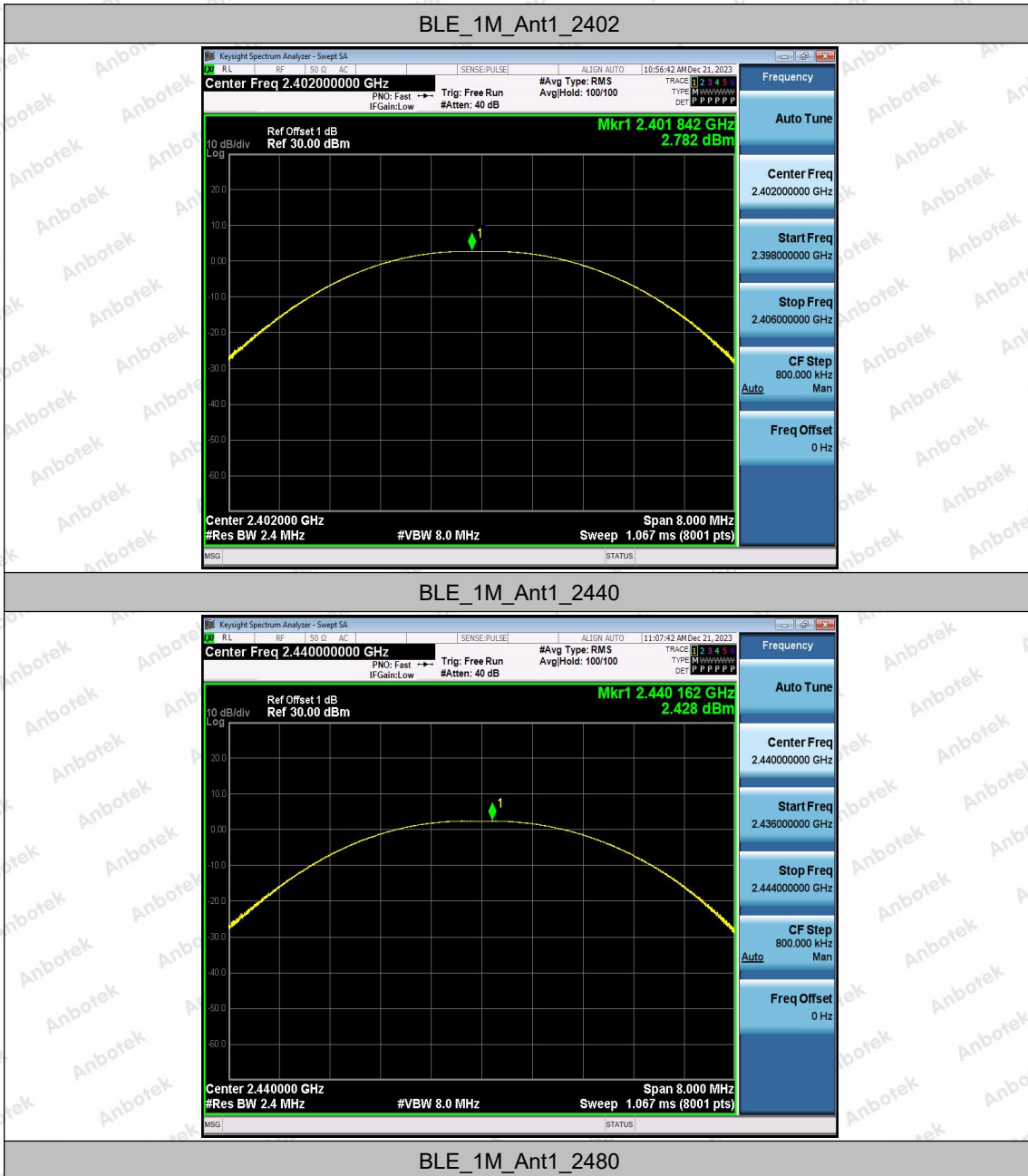
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.78	≤30	PASS
		2440	2.43	≤30	PASS
		2480	1.65	≤30	PASS



Test Graphs Peak

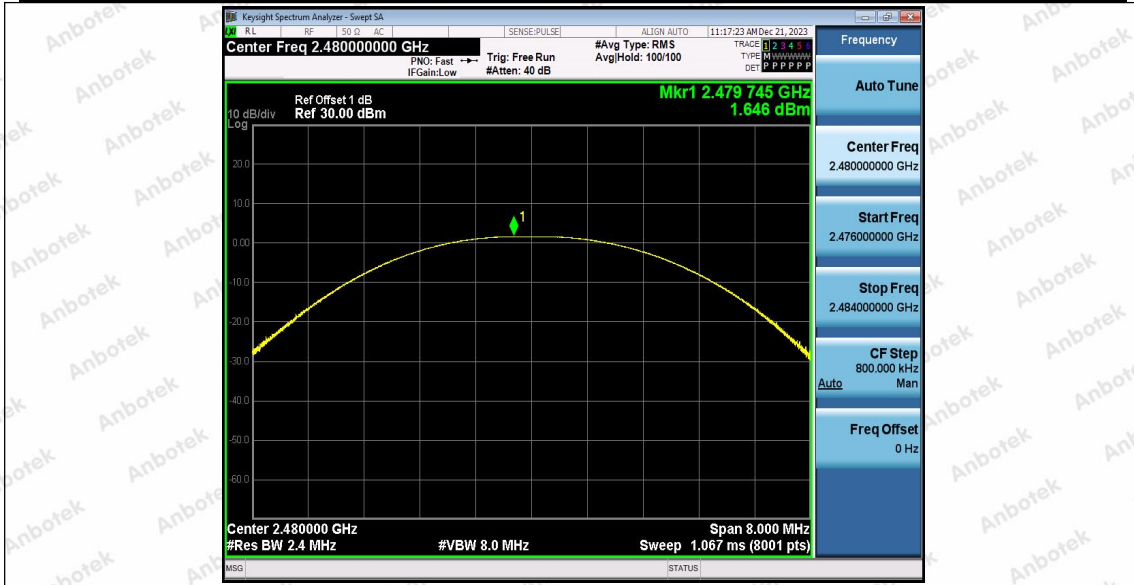


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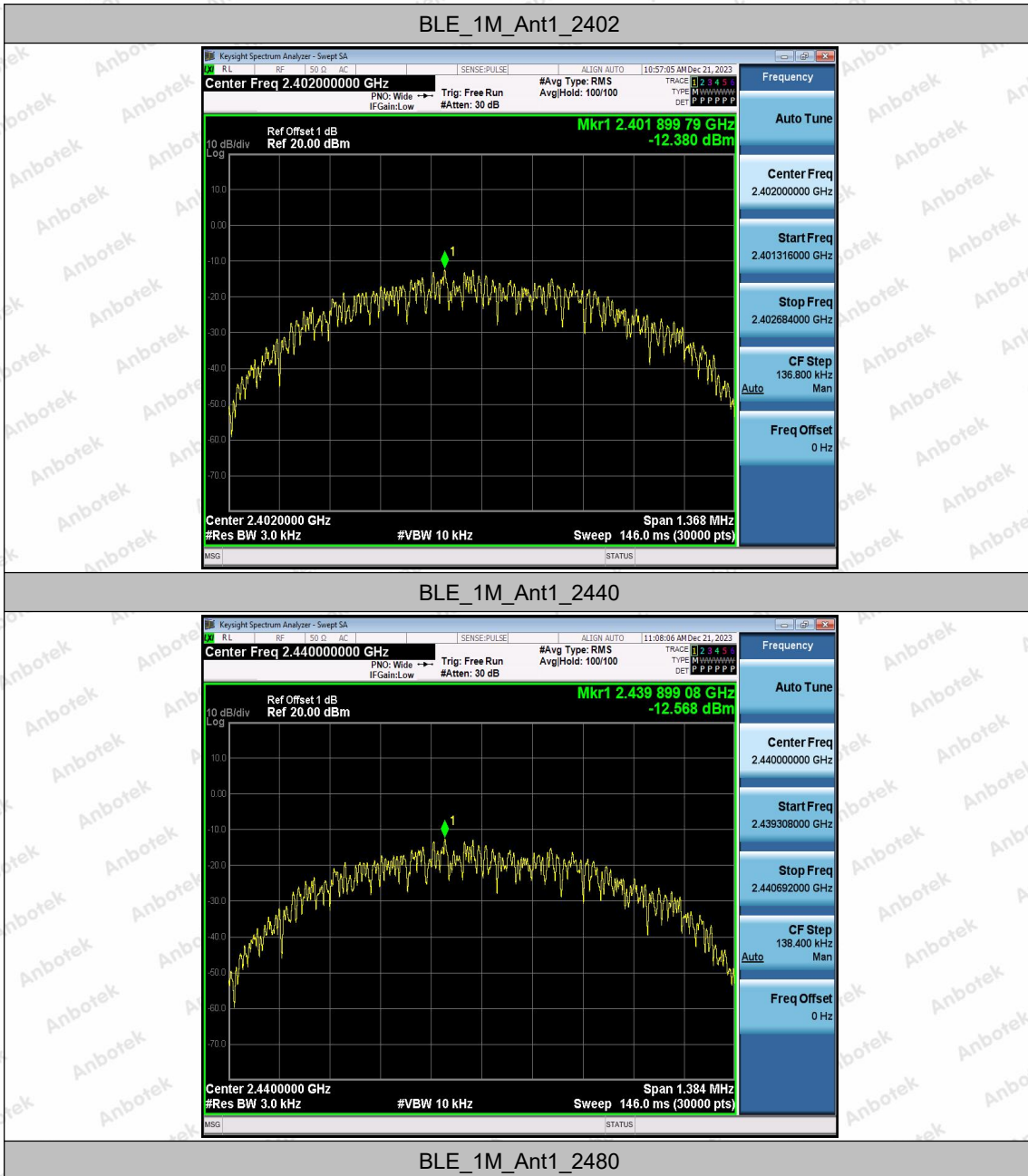
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.38	≤8.00	PASS
		2440	-12.57	≤8.00	PASS
		2480	-13.46	≤8.00	PASS



Test Graphs



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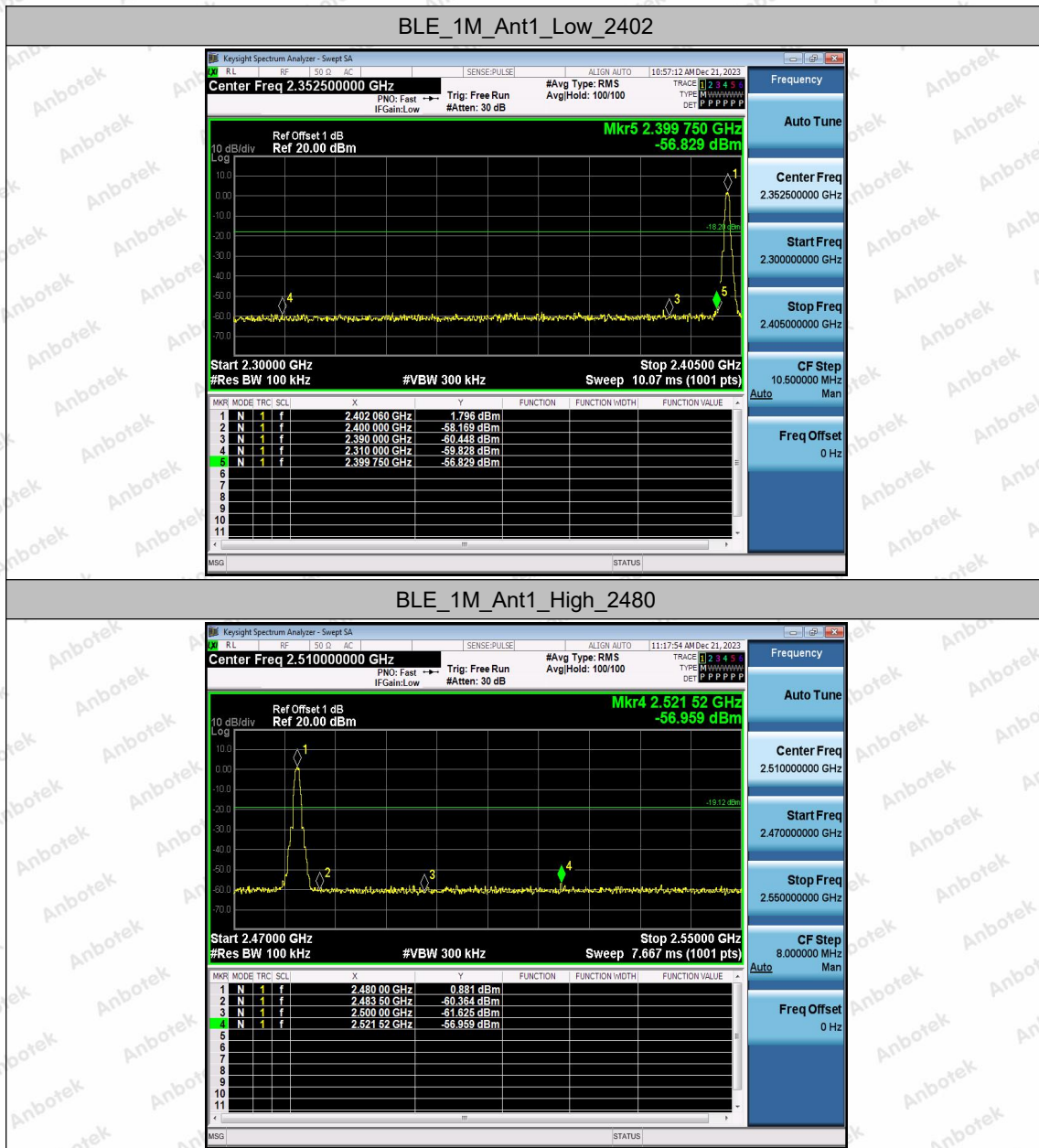


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.80	-56.83	≤-18.2	PASS
		High	2480	0.88	-56.96	≤-19.12	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	1.66	1.66	---	PASS
			30~1000	1.66	-69.59	≤-18.34	PASS
			1000~26500	1.66	-53.74	≤-18.34	PASS
		2440	Reference	1.20	1.20	---	PASS
			30~1000	1.20	-68.67	≤-18.8	PASS
			1000~26500	1.20	-53.94	≤-18.8	PASS
		2480	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-69.08	≤-20.49	PASS
			1000~26500	-0.49	-54.22	≤-20.49	PASS

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Test Graphs

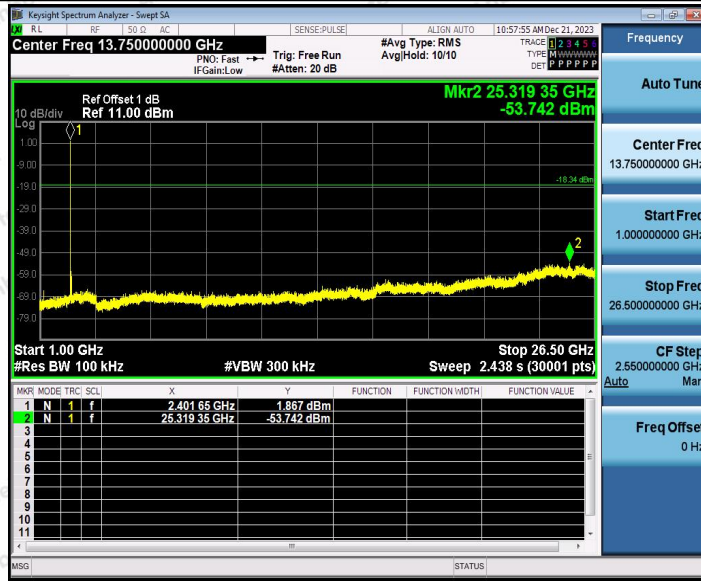


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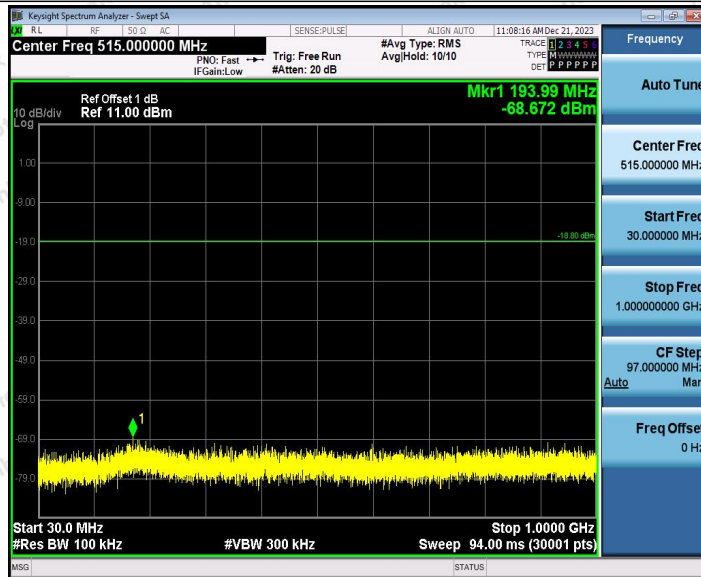




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



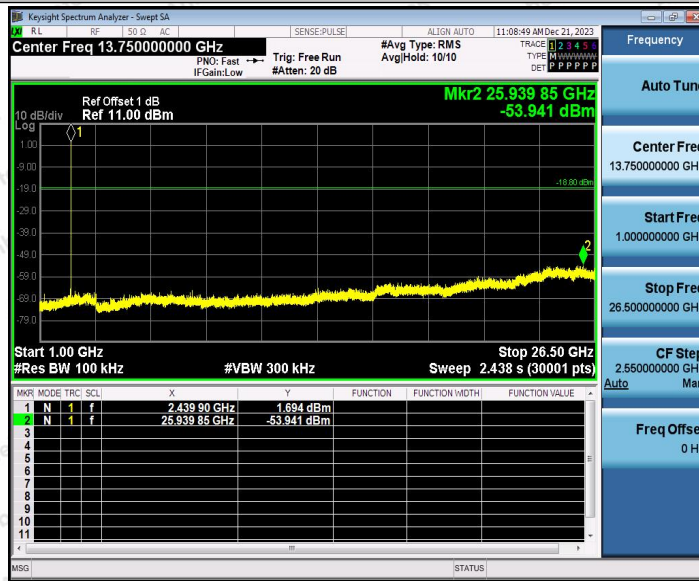
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

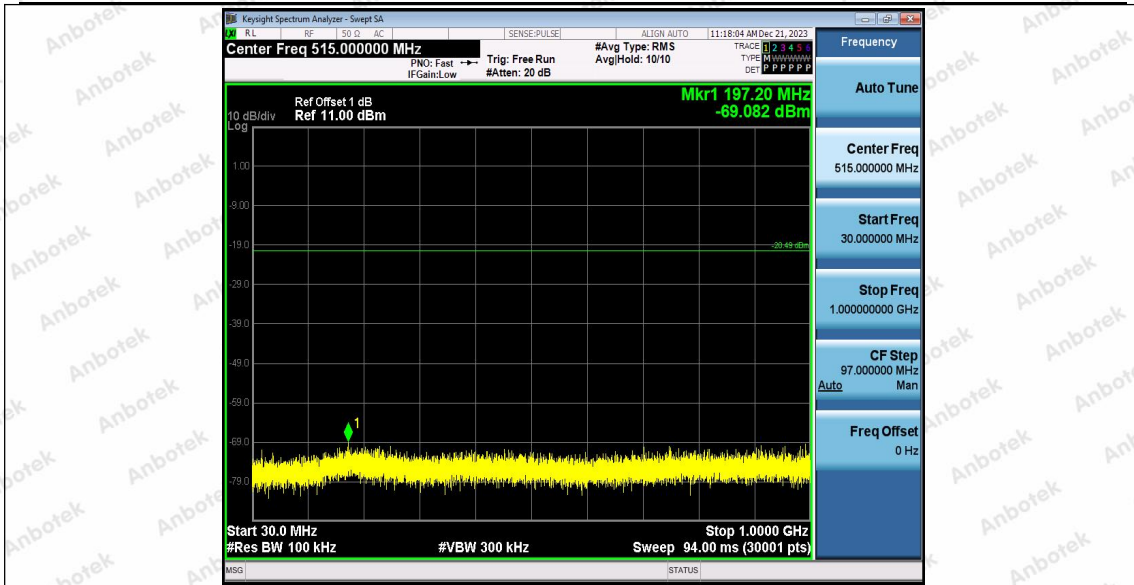
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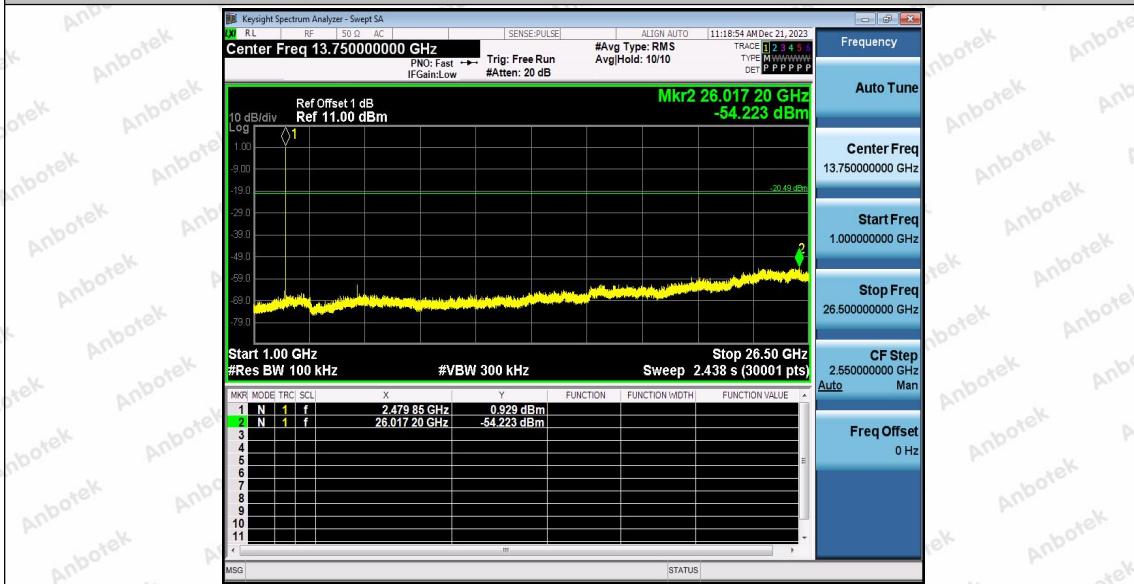


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BLE_1M_Ant1_2480_1000~26500



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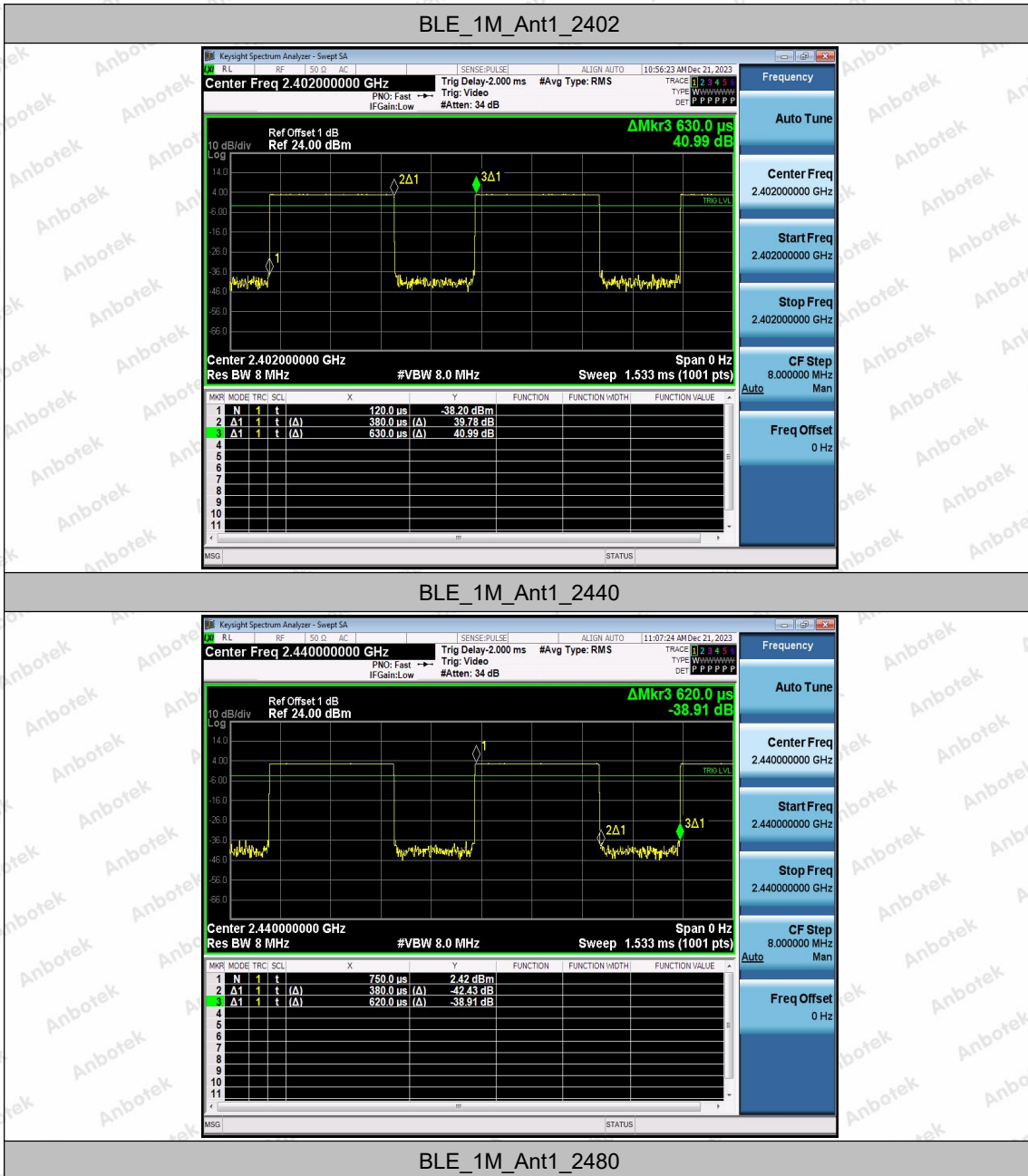
Appendix G: Duty Cycle

Test Result

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



Test Graphs

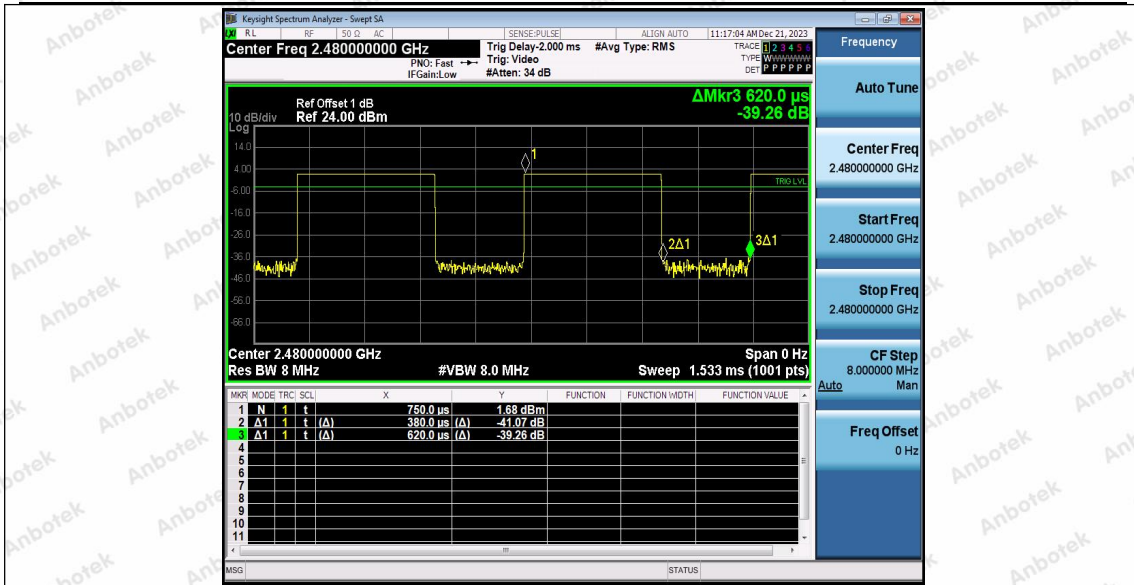


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