

Appendix Test Data

Report No.:	18220WC30267401	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	0.696	2401.648	2402.344	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2480	0.664	2479.664	2480.328	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	1.0301	2401.4946	2402.5247
		2440	1.0278	2439.4949	2440.5227
		2480	1.0177	2479.4962	2480.5139

Test Graphs



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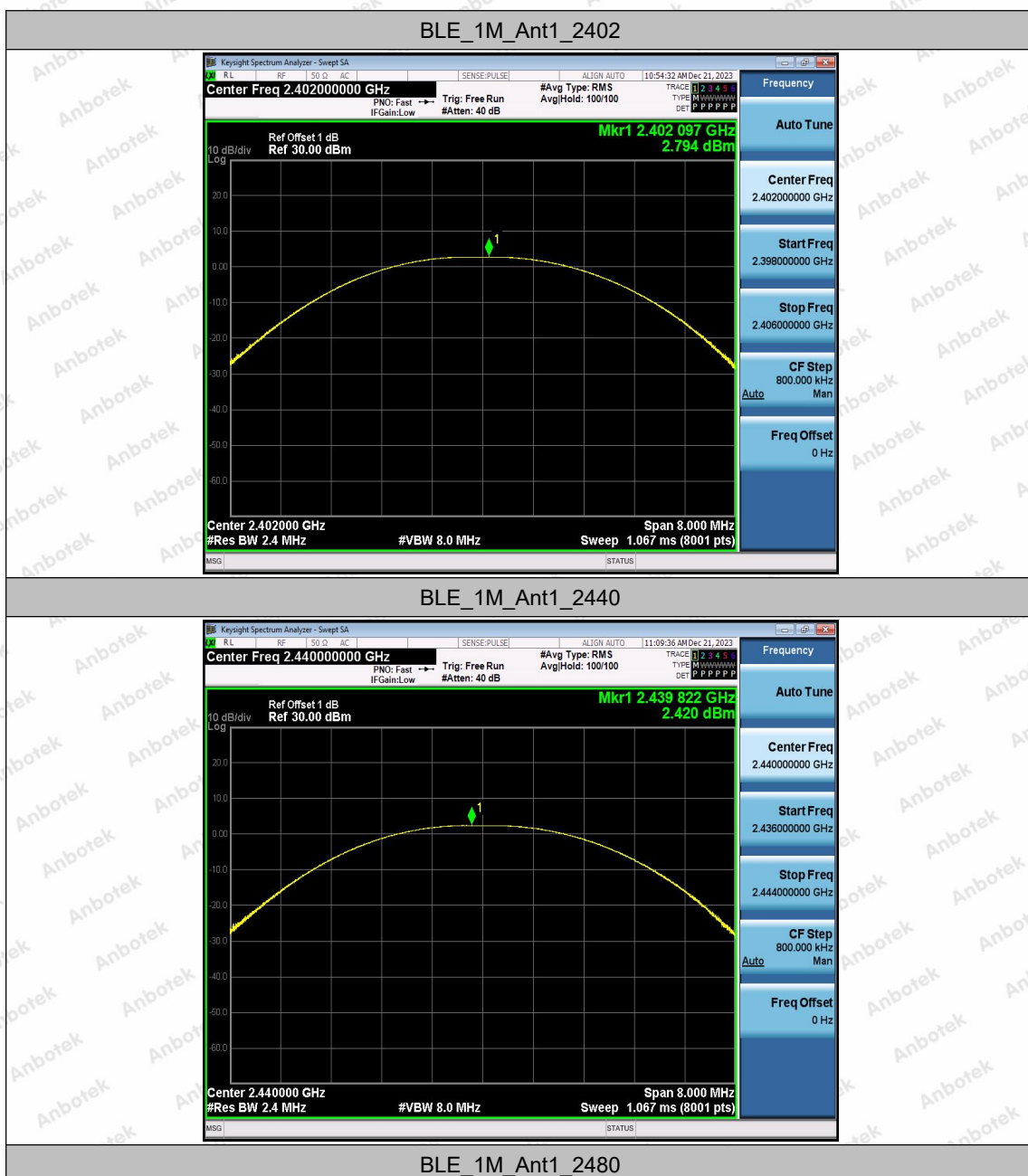


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.79	≤30	PASS
		2440	2.42	≤30	PASS
		2480	1.67	≤30	PASS

Test Graphs Peak

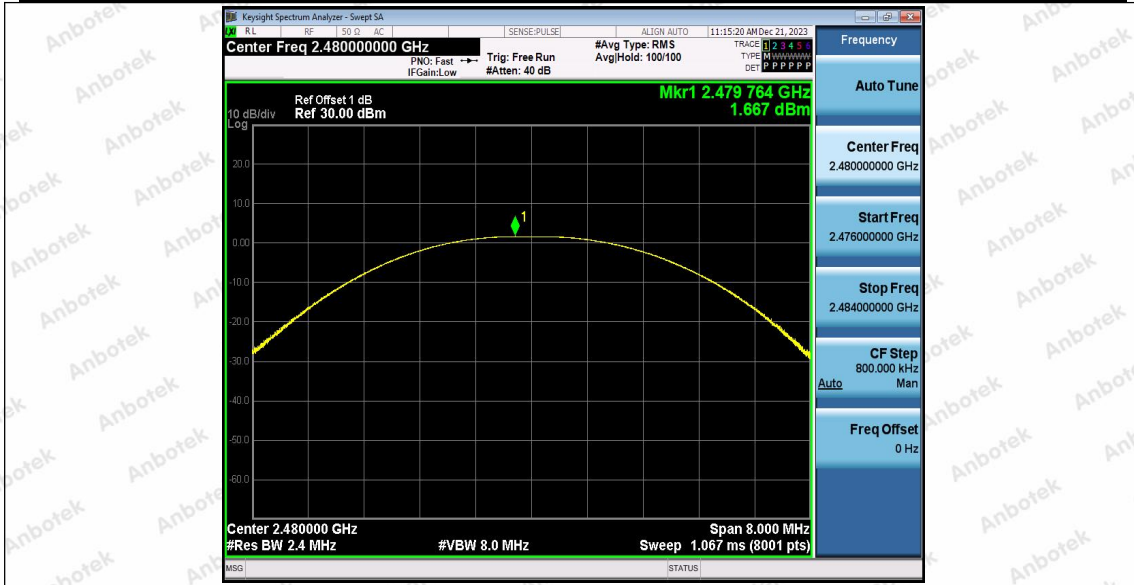


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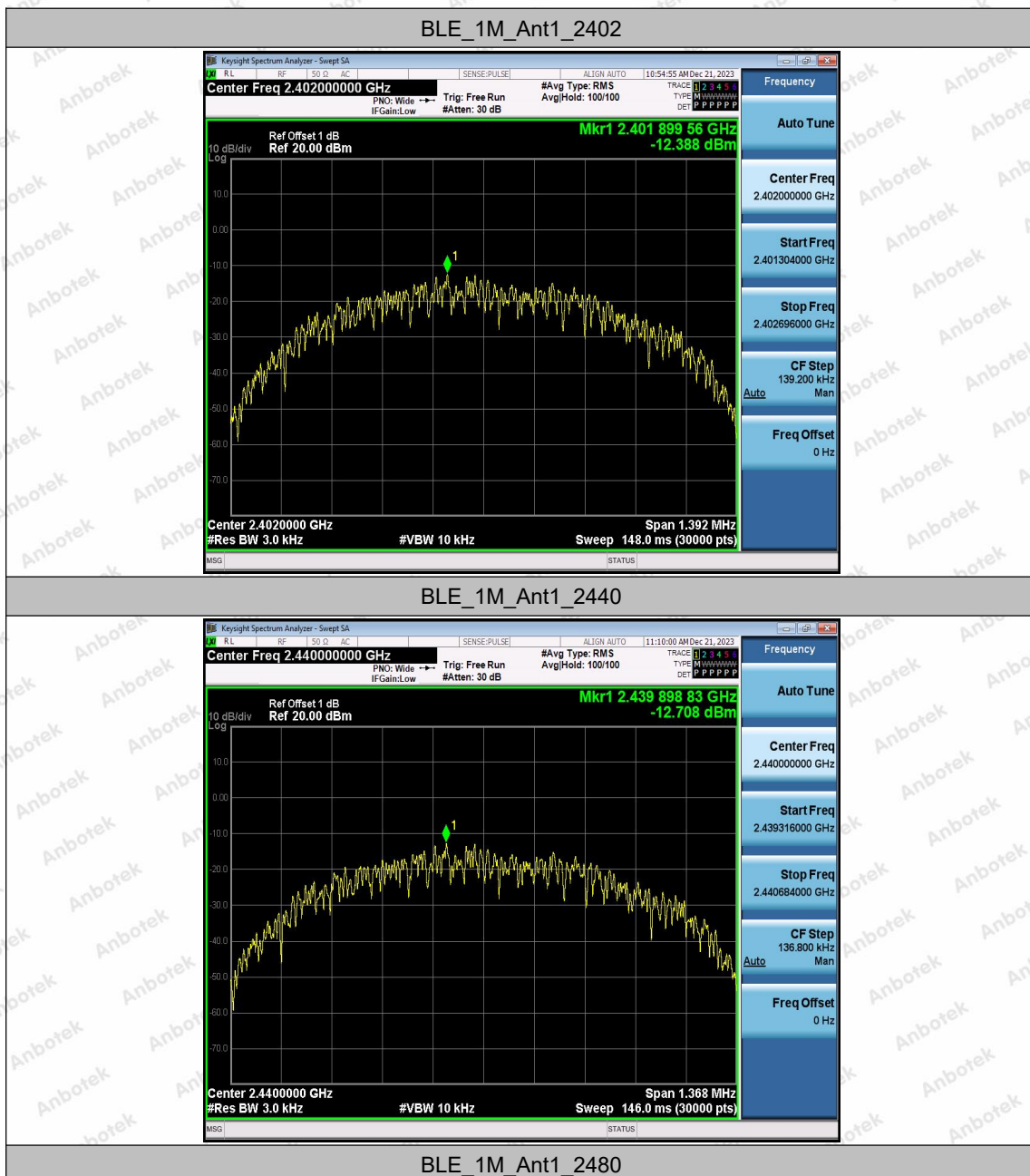


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.39	≤8.00	PASS
		2440	-12.71	≤8.00	PASS
		2480	-13.45	≤8.00	PASS

Test Graphs



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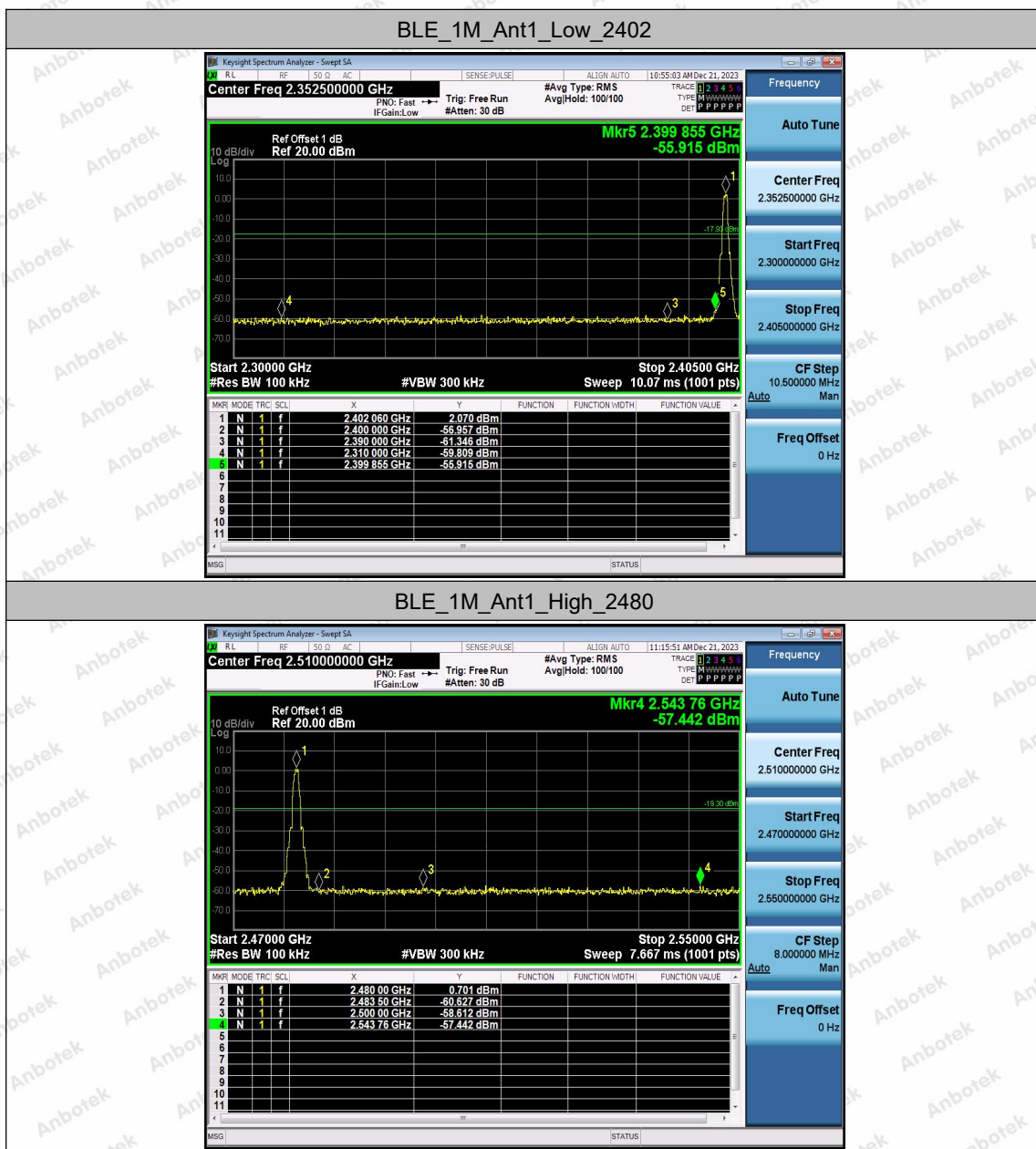


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.07	-55.92	≤-17.93	PASS
		High	2480	0.70	-57.44	≤-19.3	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	1.65	1.65	---	PASS
			30~1000	1.65	-69	≤-18.35	PASS
			1000~26500	1.65	-53.32	≤-18.35	PASS
		2440	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-69.2	≤-19.07	PASS
			1000~26500	0.93	-53.13	≤-19.07	PASS
		2480	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-69.18	≤-19.43	PASS
			1000~26500	0.57	-52.86	≤-19.43	PASS

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Test Graphs

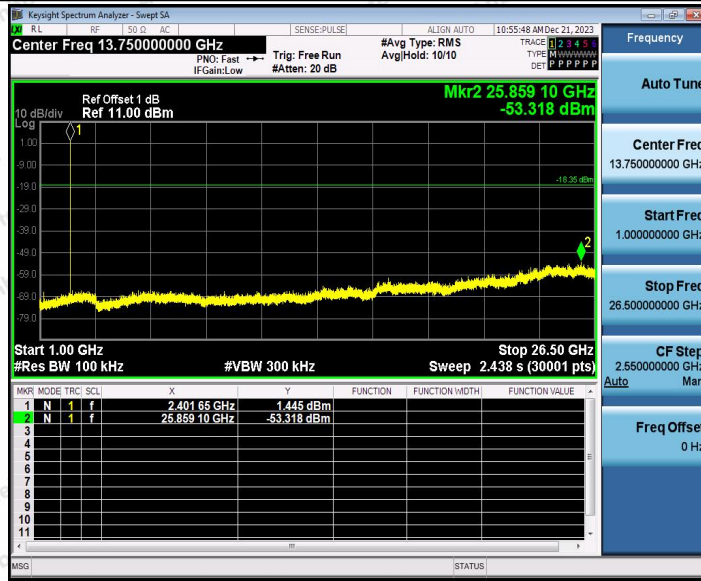


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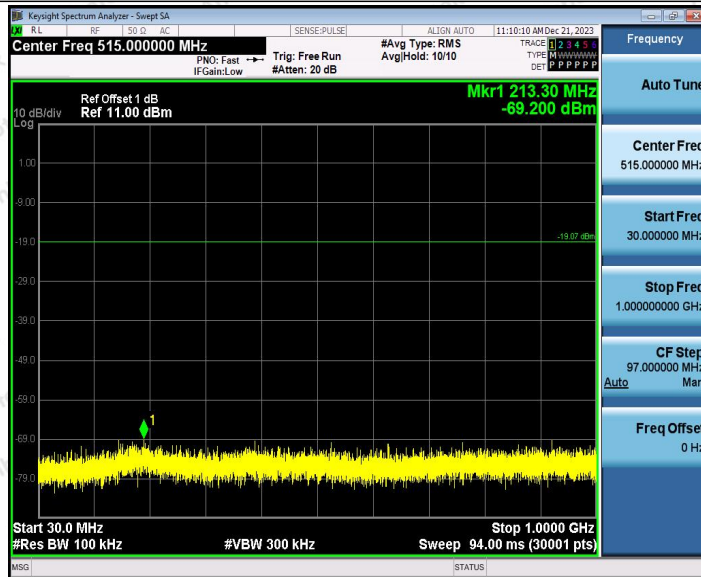




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



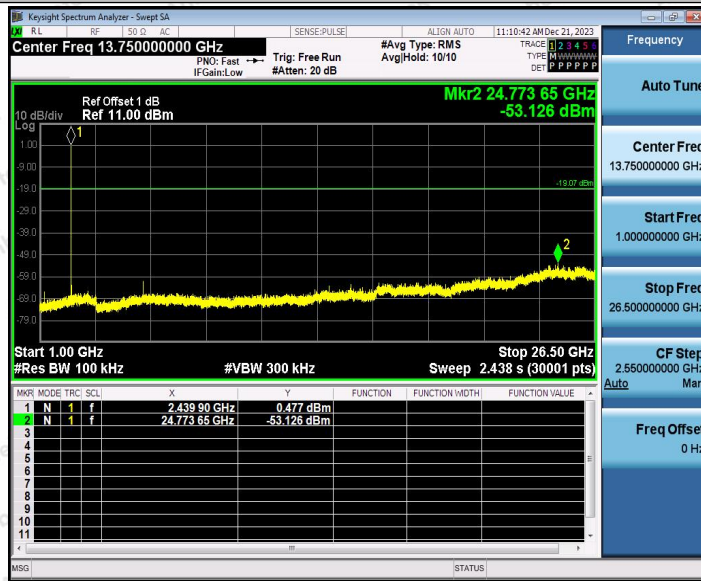
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



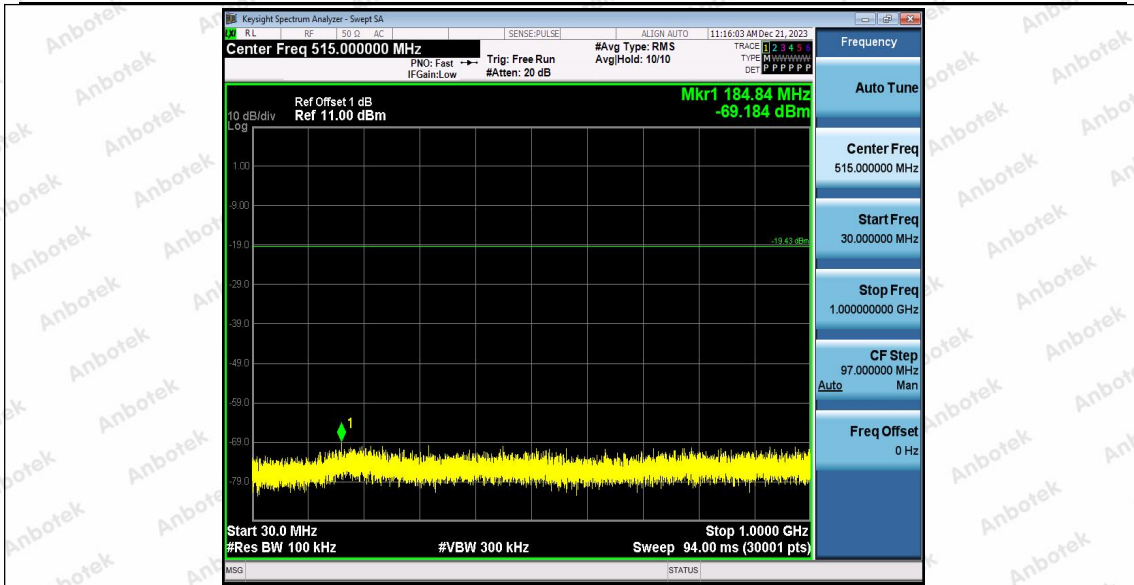
BLE_1M_Ant1_2480_30~1000

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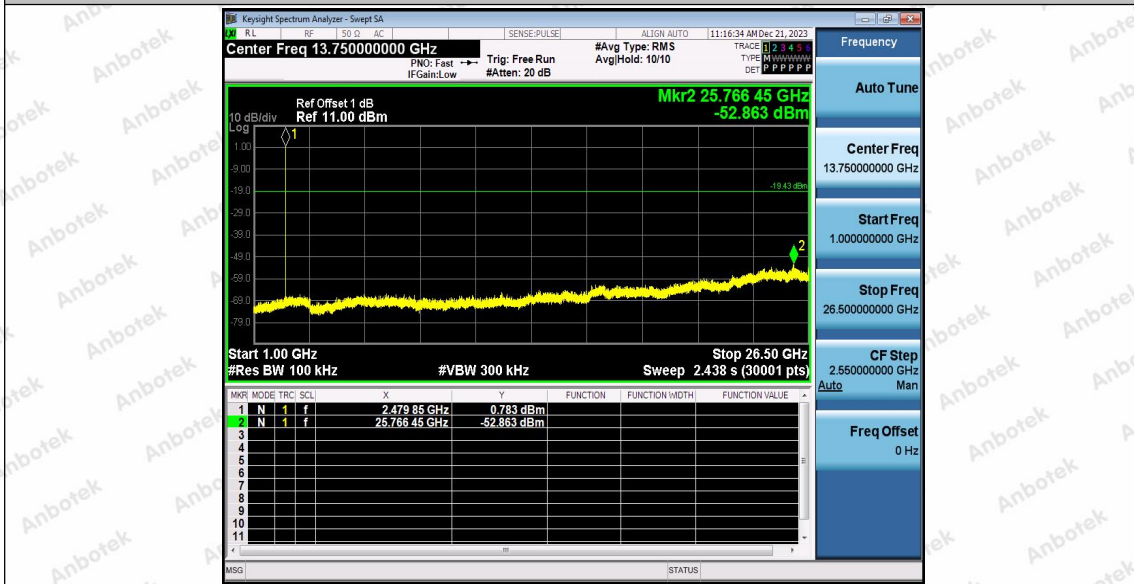
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BLE_1M_Ant1_2480_1000~26500



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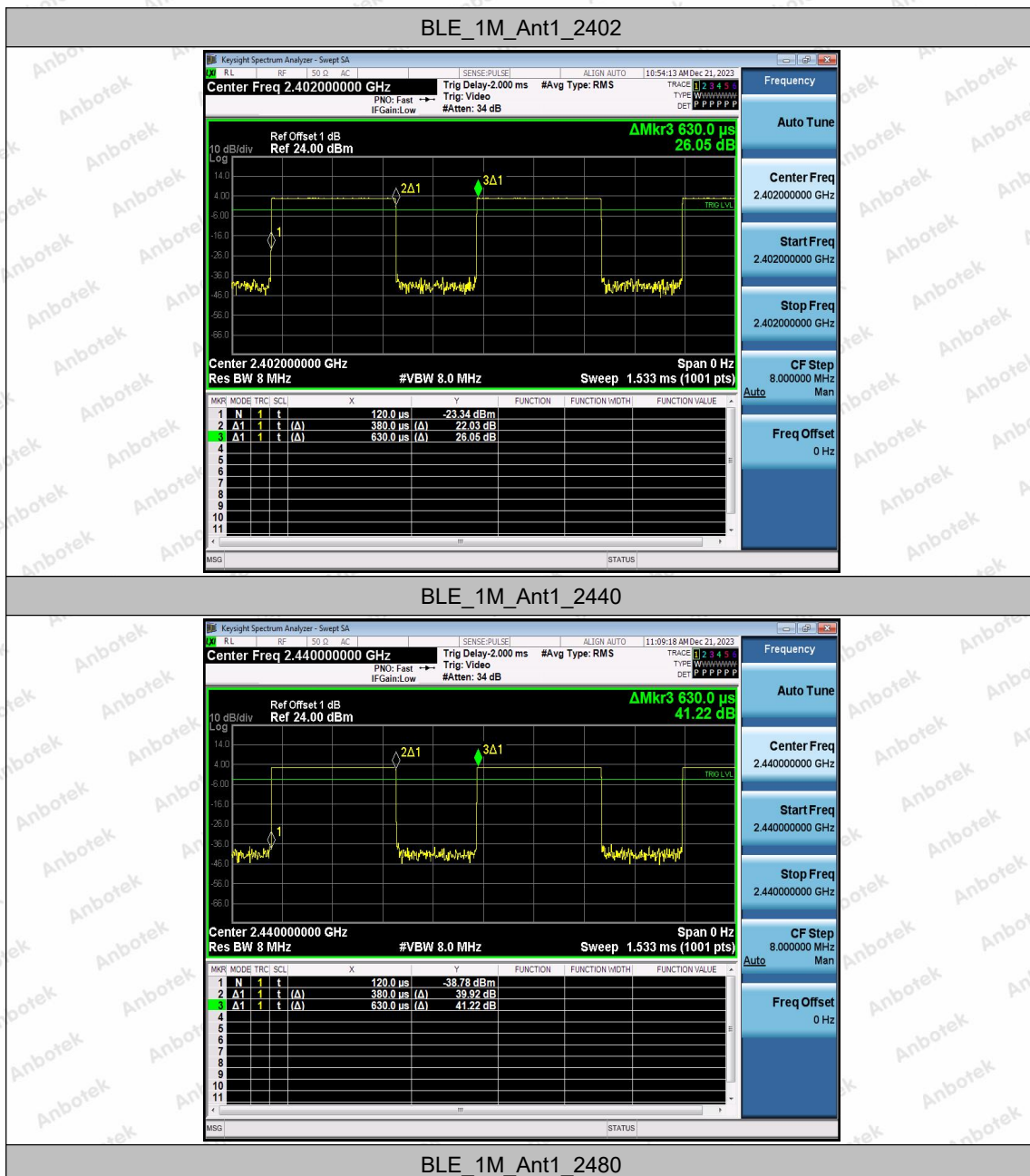


Appendix G: Duty Cycle

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	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20

Test Graphs

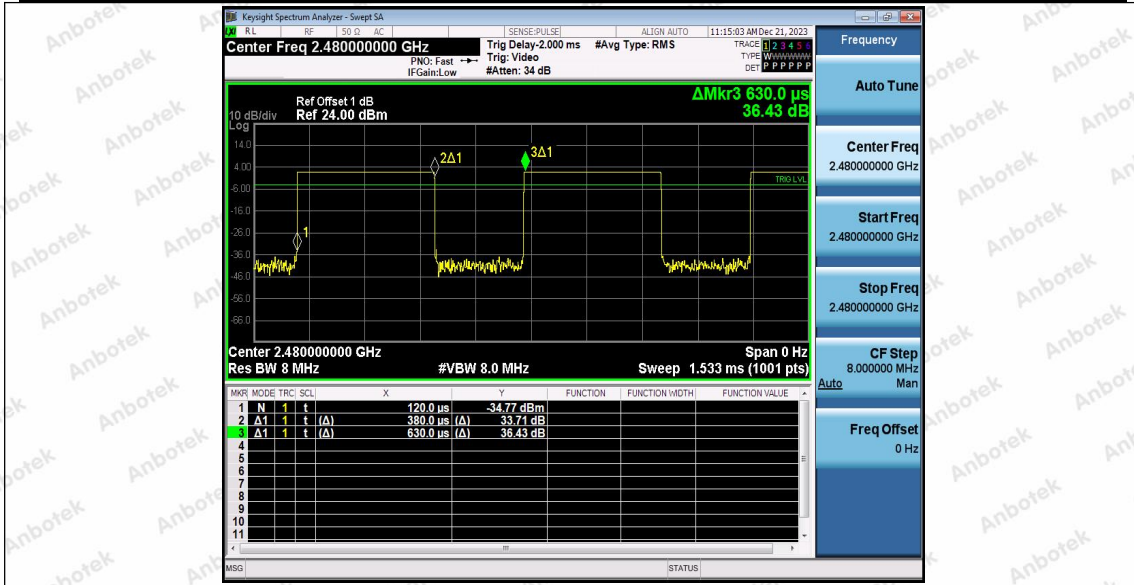


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