

Appendix Test Data

Report No.:	18220WC30025001	Test Sample No.:	1-2-2
Start Test Date:	2023.02.20	Finish Test Date:	2023.02.21
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.1℃	Relative Humidity:	41%
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	0.692	2401.628	2402.320	0.5	PASS
		2440	0.672	2439.652	2440.324	0.5	PASS
		2480	0.684	2479.644	2480.328	0.5	PASS



Test Graphs



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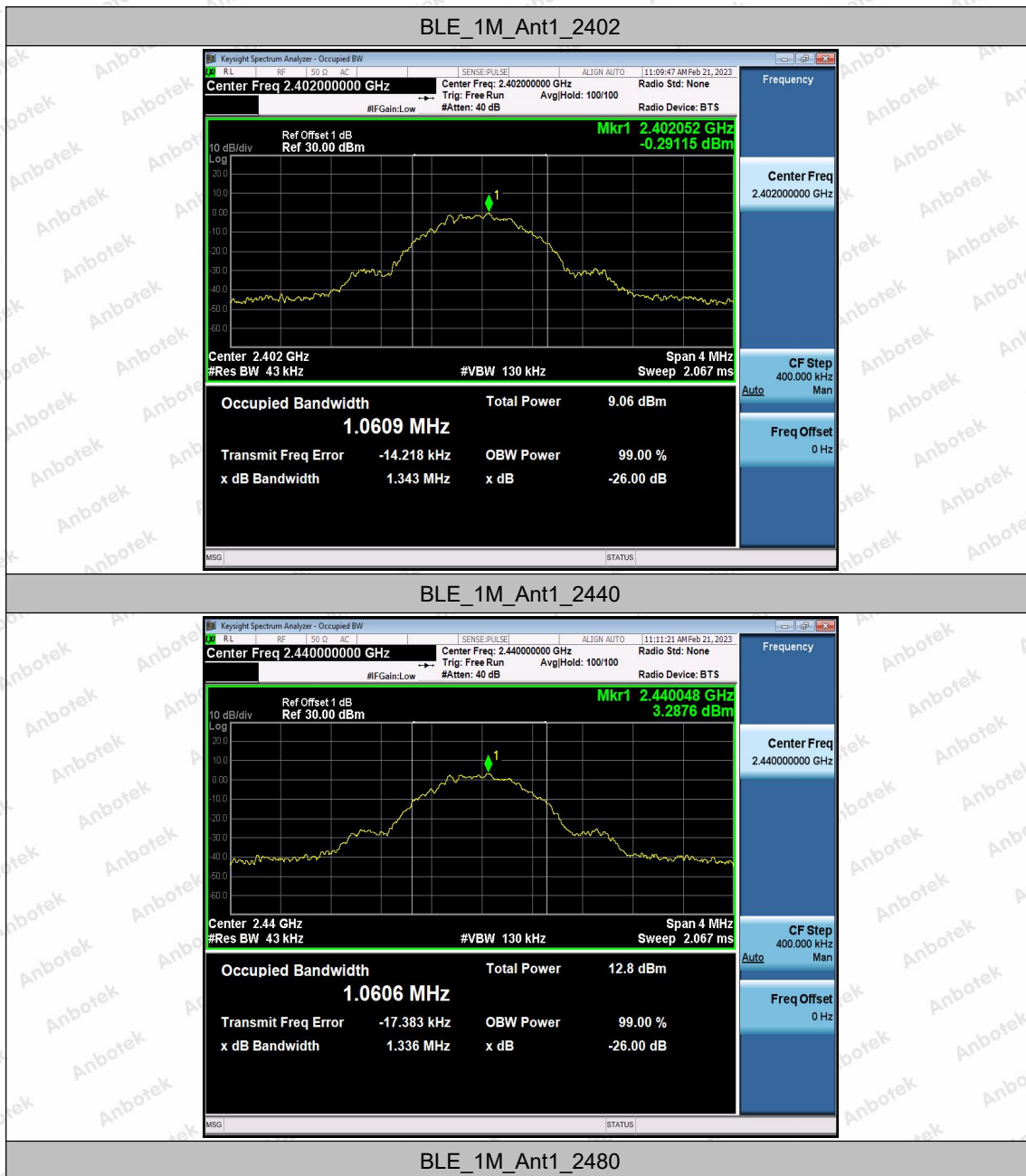
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0609	2401.4553	2402.5162
		2440	1.0606	2439.4523	2440.5129
		2480	1.0844	2479.4404	2480.5248



Test Graphs



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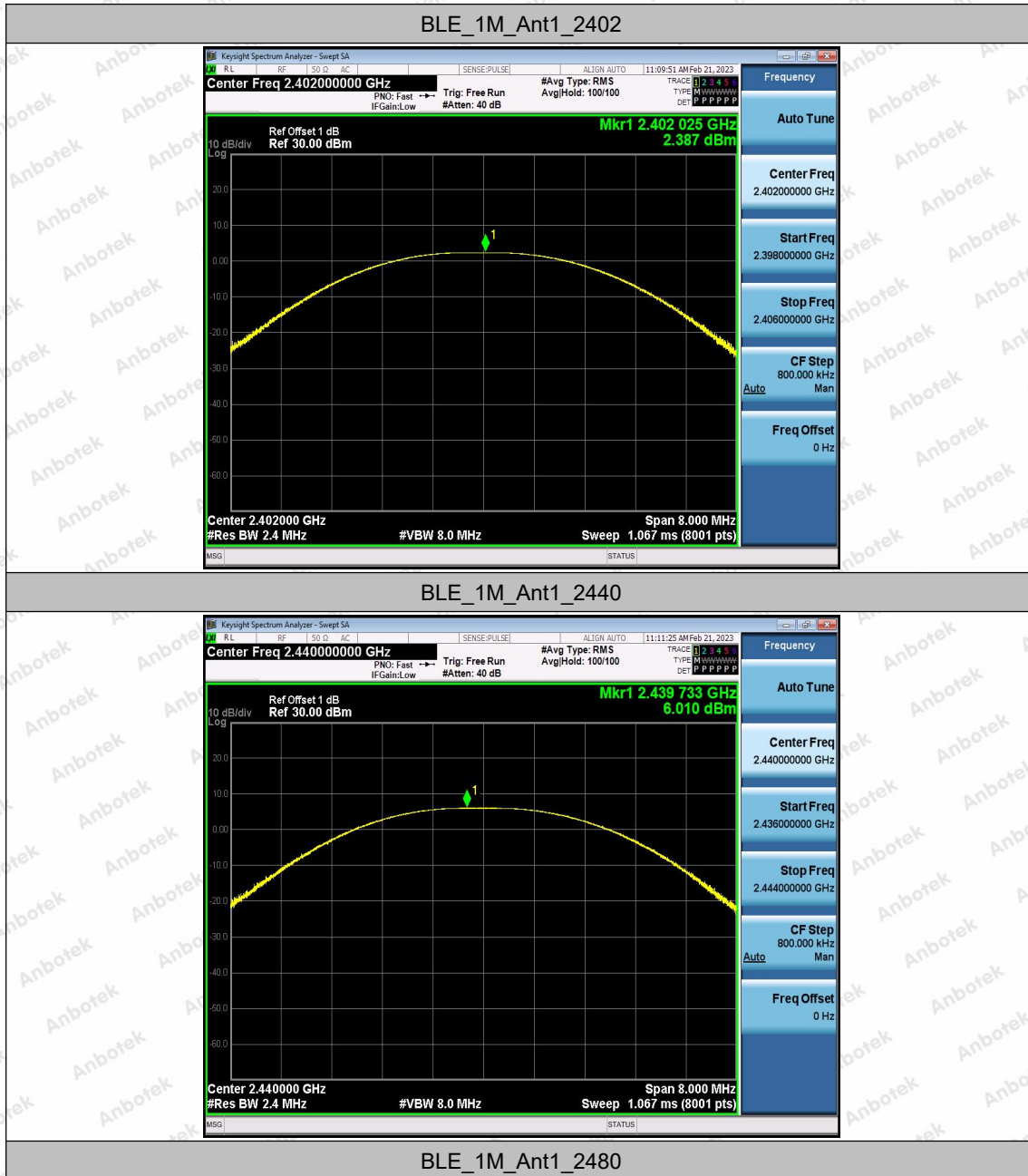
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.39	≤30	PASS
		2440	6.01	≤30	PASS
		2480	2.37	≤30	PASS



Test Graphs Peak



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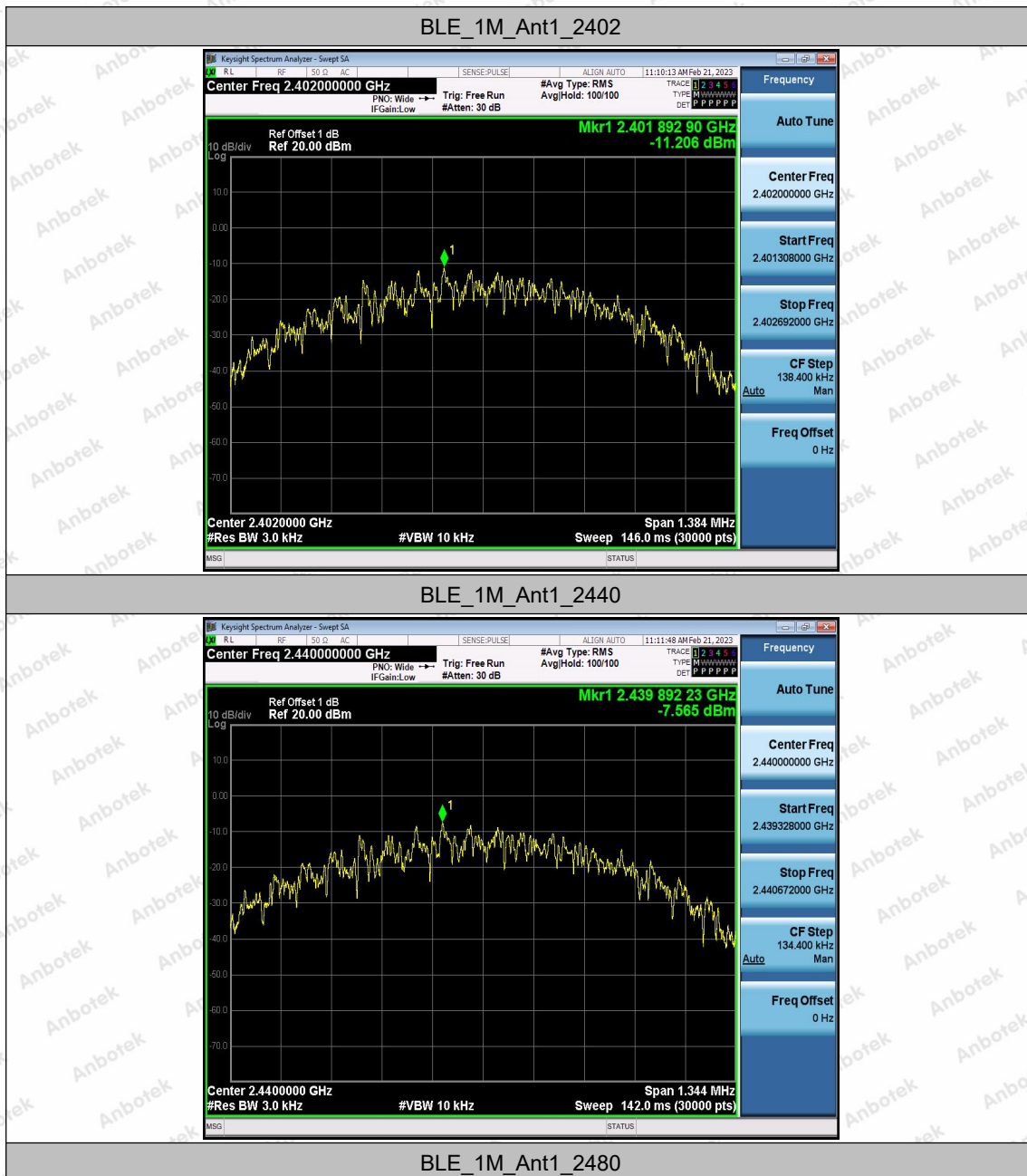
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.21	≤8.00	PASS
		2440	-7.57	≤8.00	PASS
		2480	-11.28	≤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	1.51	-40.93	≤-18.49	PASS
		High	2480	1.53	-42.09	≤-18.47	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	0.96	0.96	---	PASS
			30~1000	0.96	-66.05	≤-19.04	PASS
			1000~26500	0.96	-36.02	≤-19.04	PASS
		2440	Reference	4.57	4.57	---	PASS
			30~1000	4.57	-68.92	≤-15.43	PASS
			1000~26500	4.57	-23.9	≤-15.43	PASS
		2480	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-68.72	≤-18.69	PASS
			1000~26500	1.31	-37.01	≤-18.69	PASS

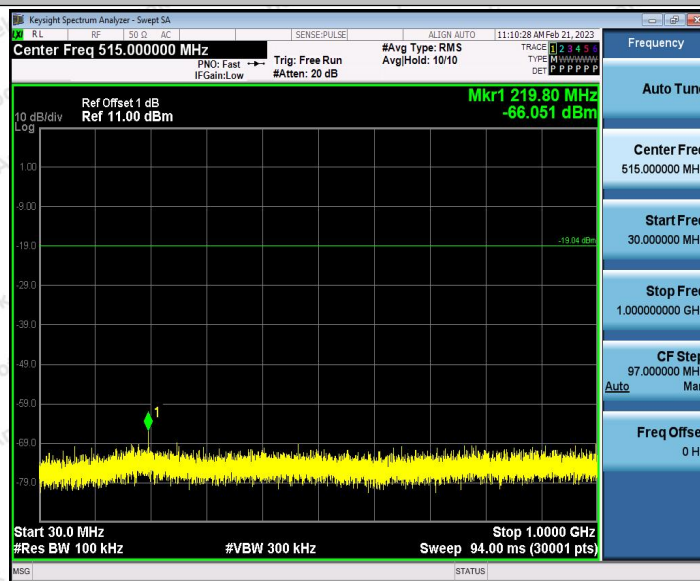


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

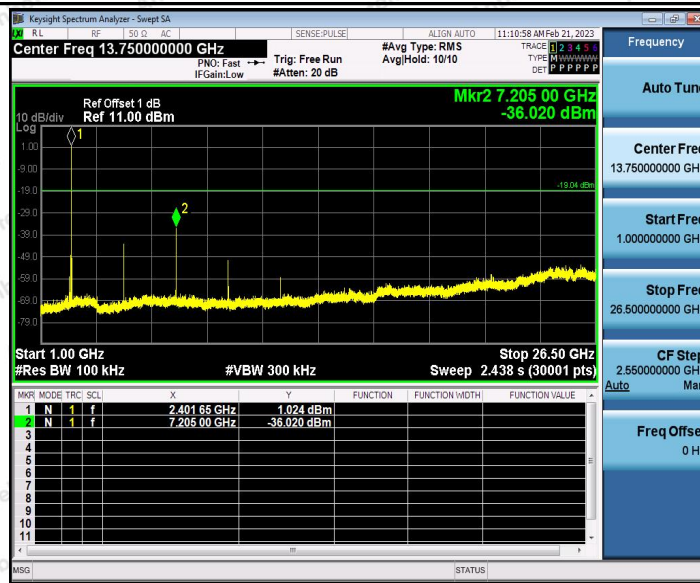
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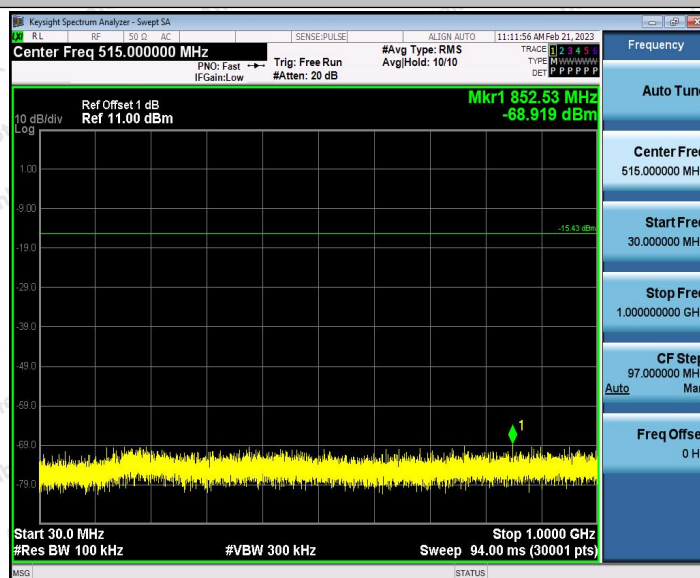




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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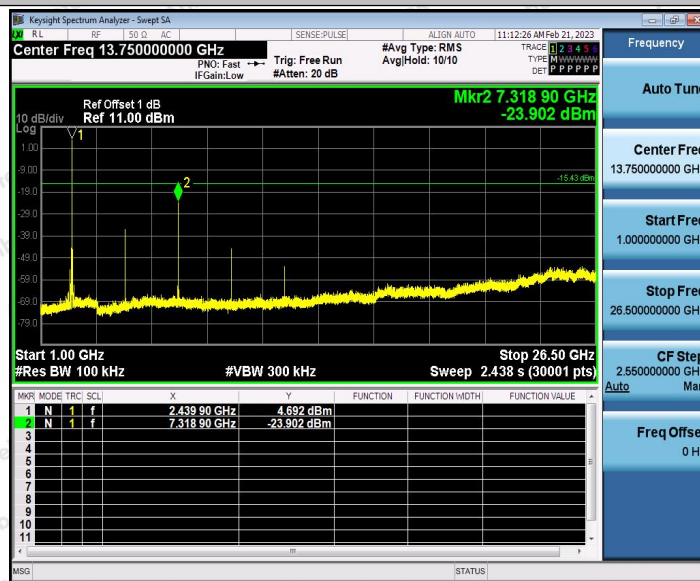
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

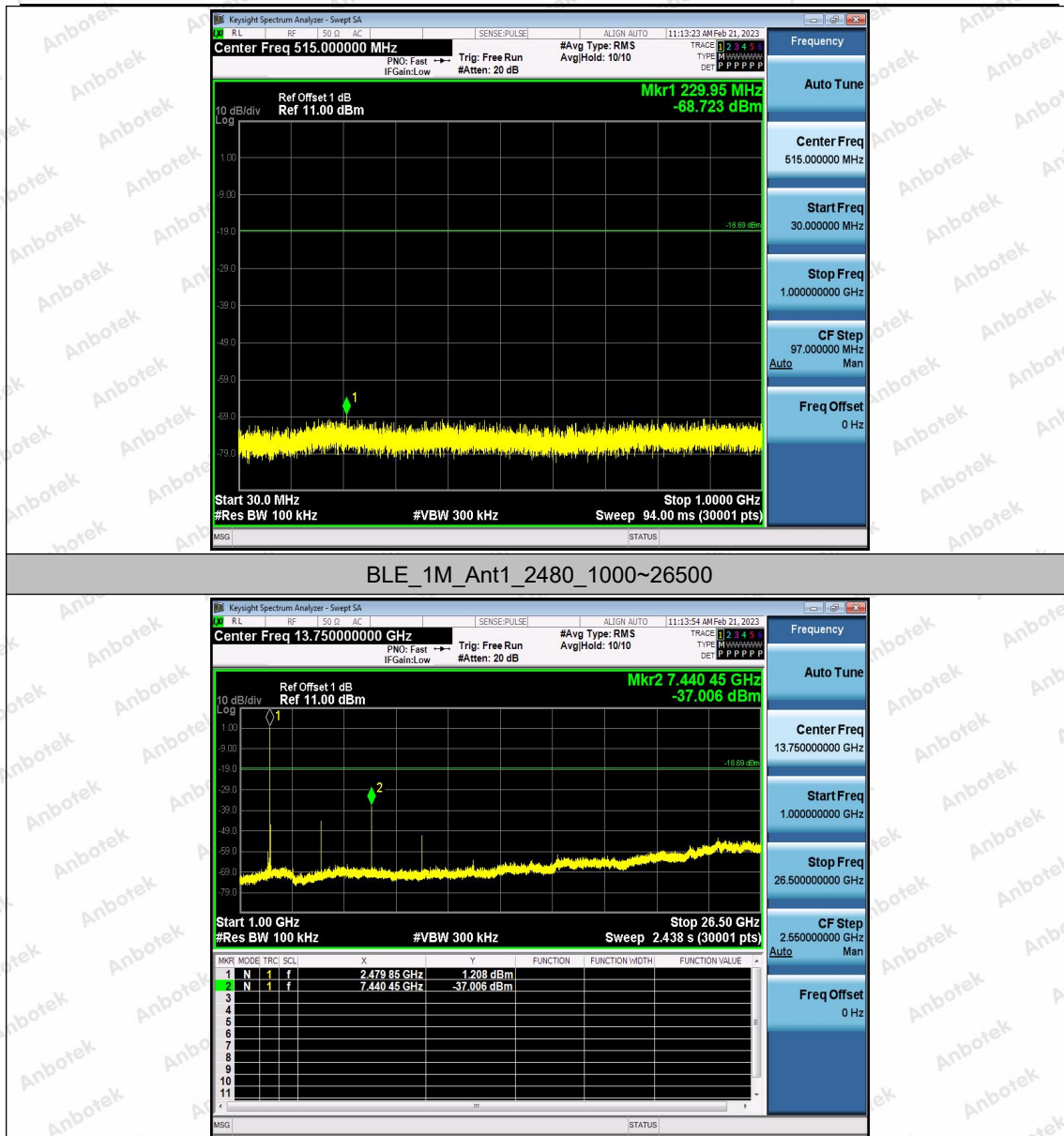
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1	1	100	0
		2441	1	1	100	0
		2480	1	1	100	0



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

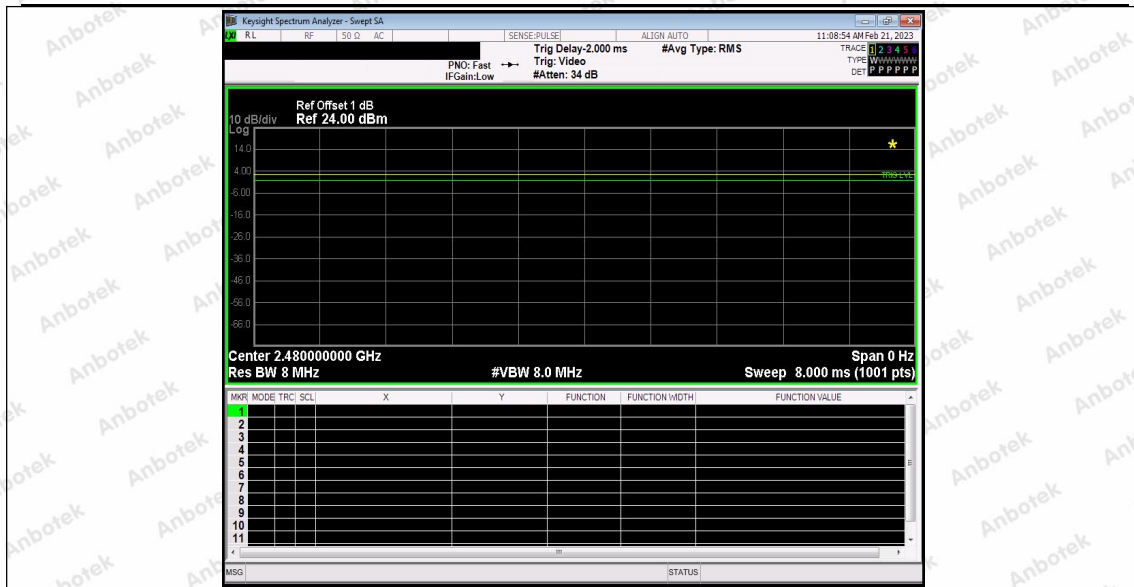
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