

Appendix Test Data

Report No.:	18220WC20246101	Test Sample No.:	1-2-2
Start Test Date:	2022.10.18	Finish Test Date:	2023.05.04
Test Engineer:	RICK Luo	Auditor:	Edward.Pan
Temperature:	26.1℃	Relative Humidity:	43%
Pressure:	1012 hPa		

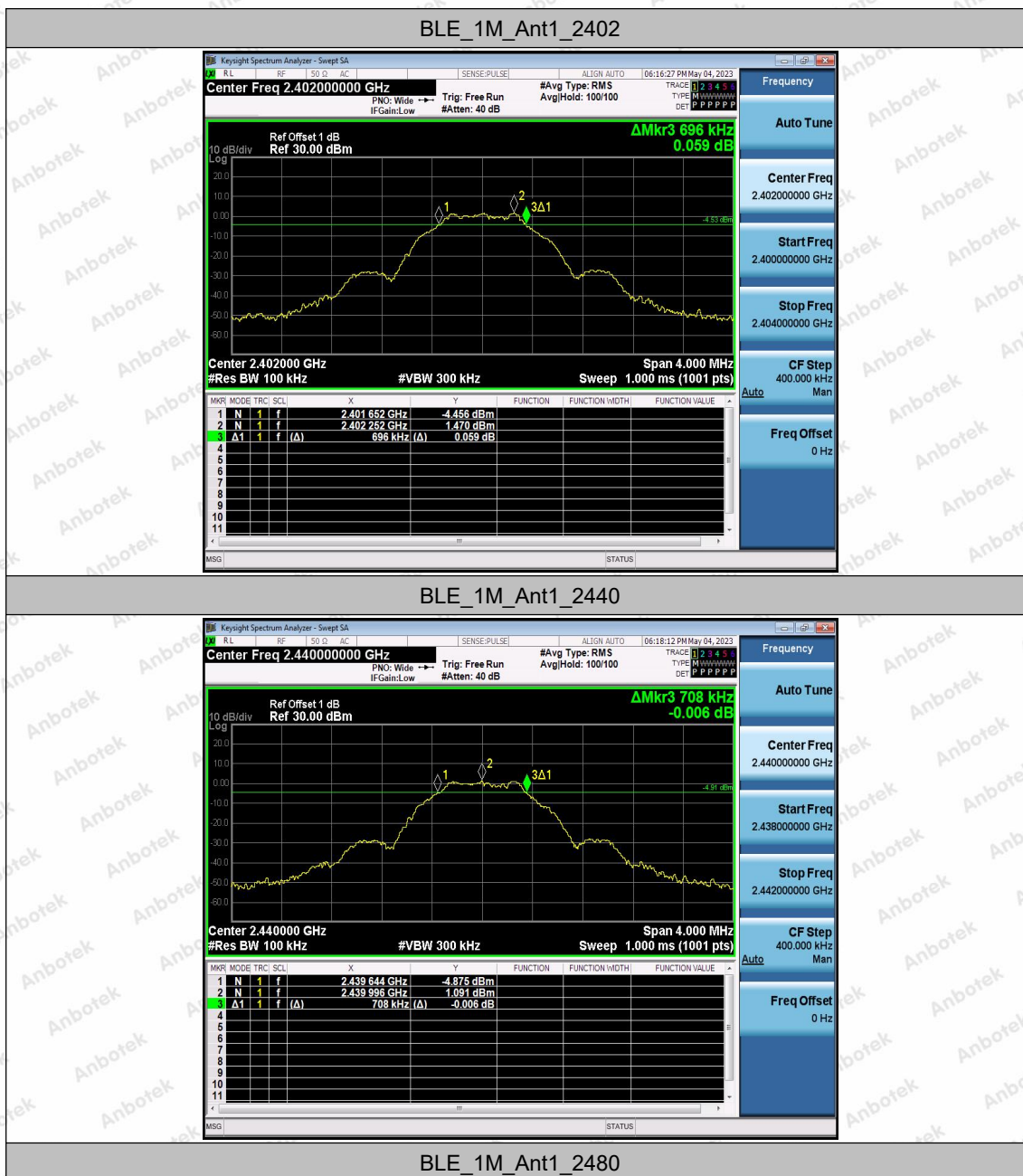
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.652	2402.348	0.5	PASS
		2440	0.708	2439.644	2440.352	0.5	PASS
		2480	0.696	2479.652	2480.348	0.5	PASS



Test Graphs



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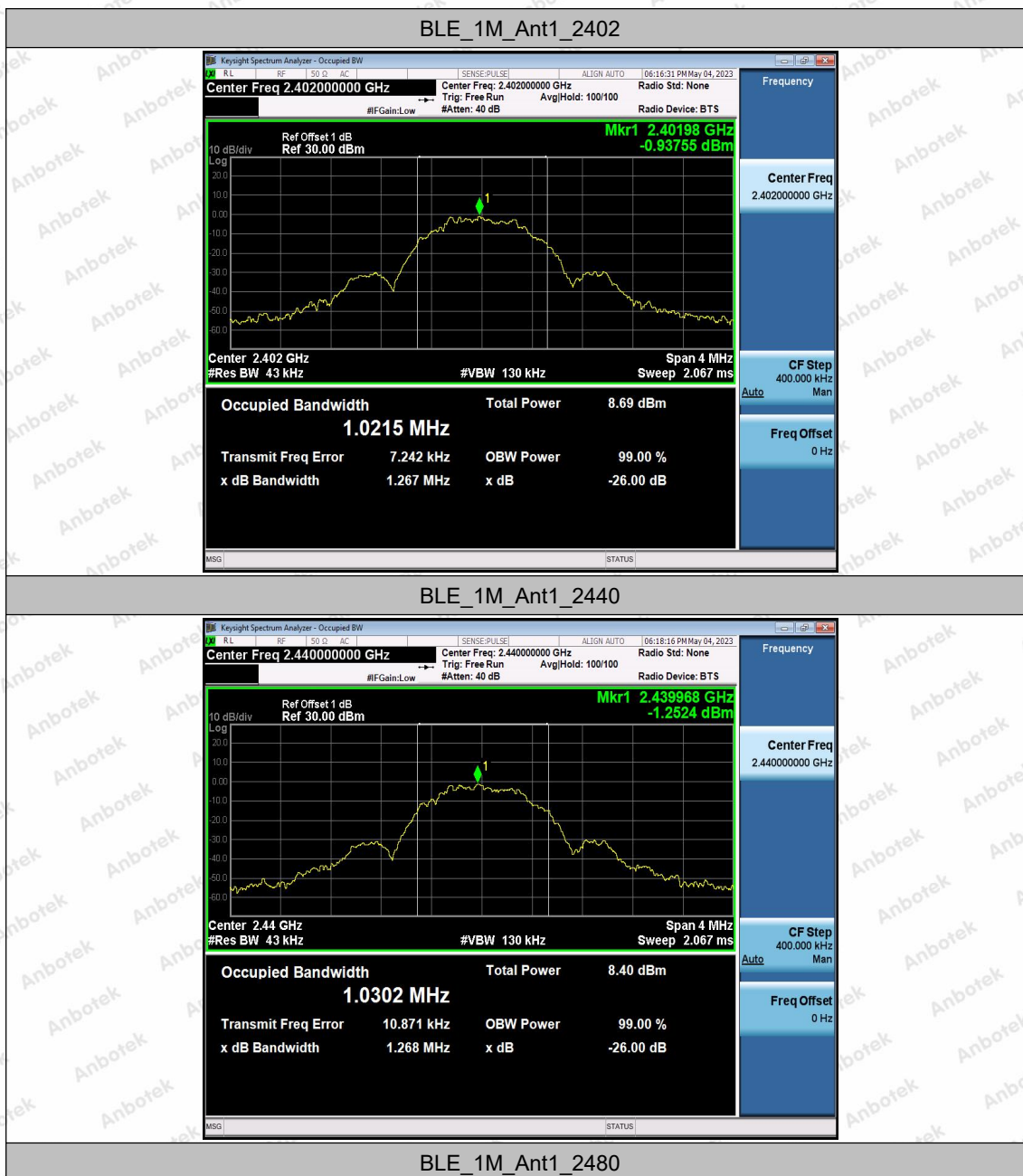
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0215	2401.4965	2402.5180
		2440	1.0302	2439.4958	2440.5260
		2480	1.0263	2479.4987	2480.5250



Test Graphs



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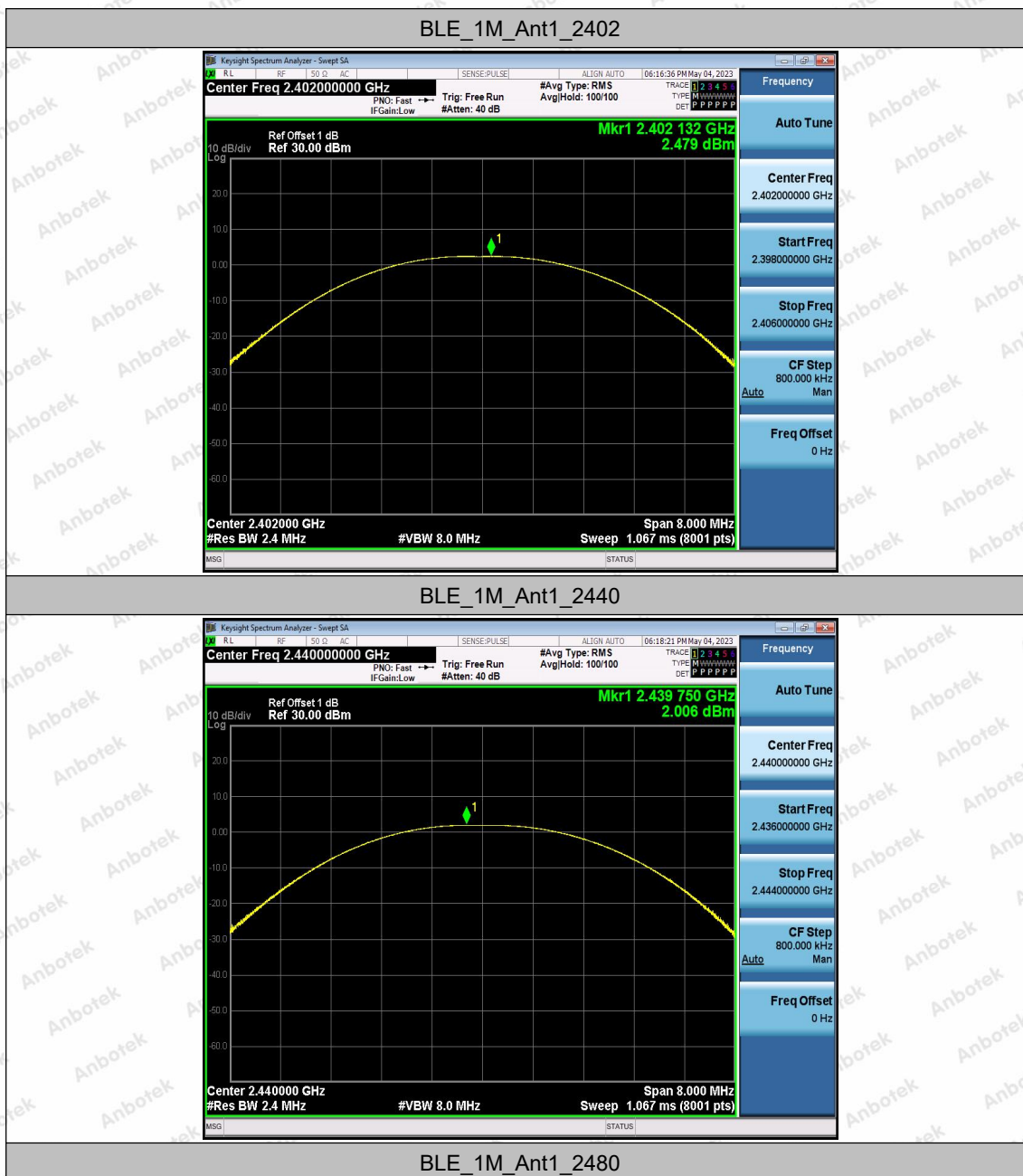
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.48	≤30	PASS
		2440	2.01	≤30	PASS
		2480	1.32	≤30	PASS



Test Graphs Peak



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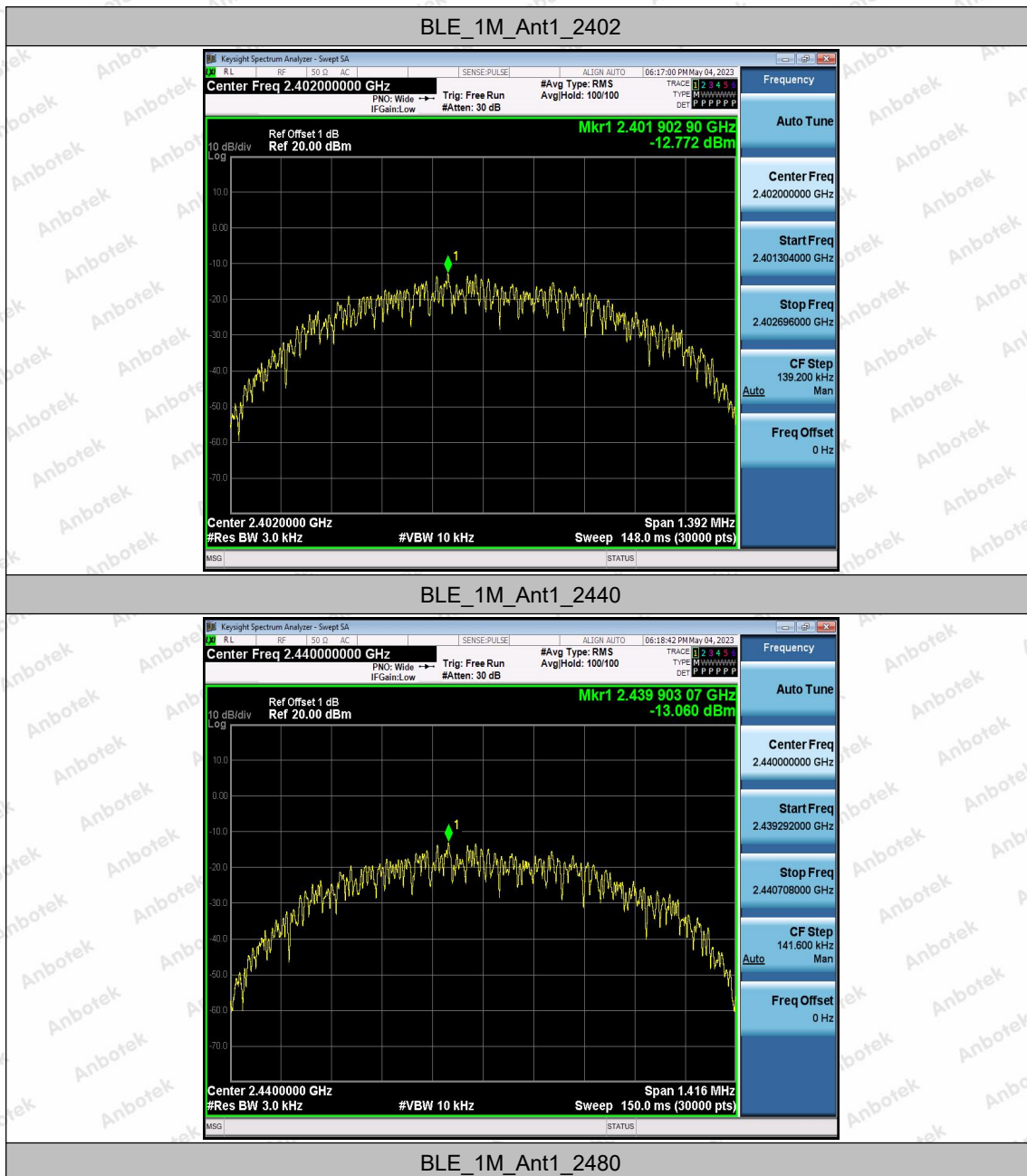
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.77	≤8.00	PASS
		2440	-13.06	≤8.00	PASS
		2480	-13.84	≤8.00	PASS



Test Graphs



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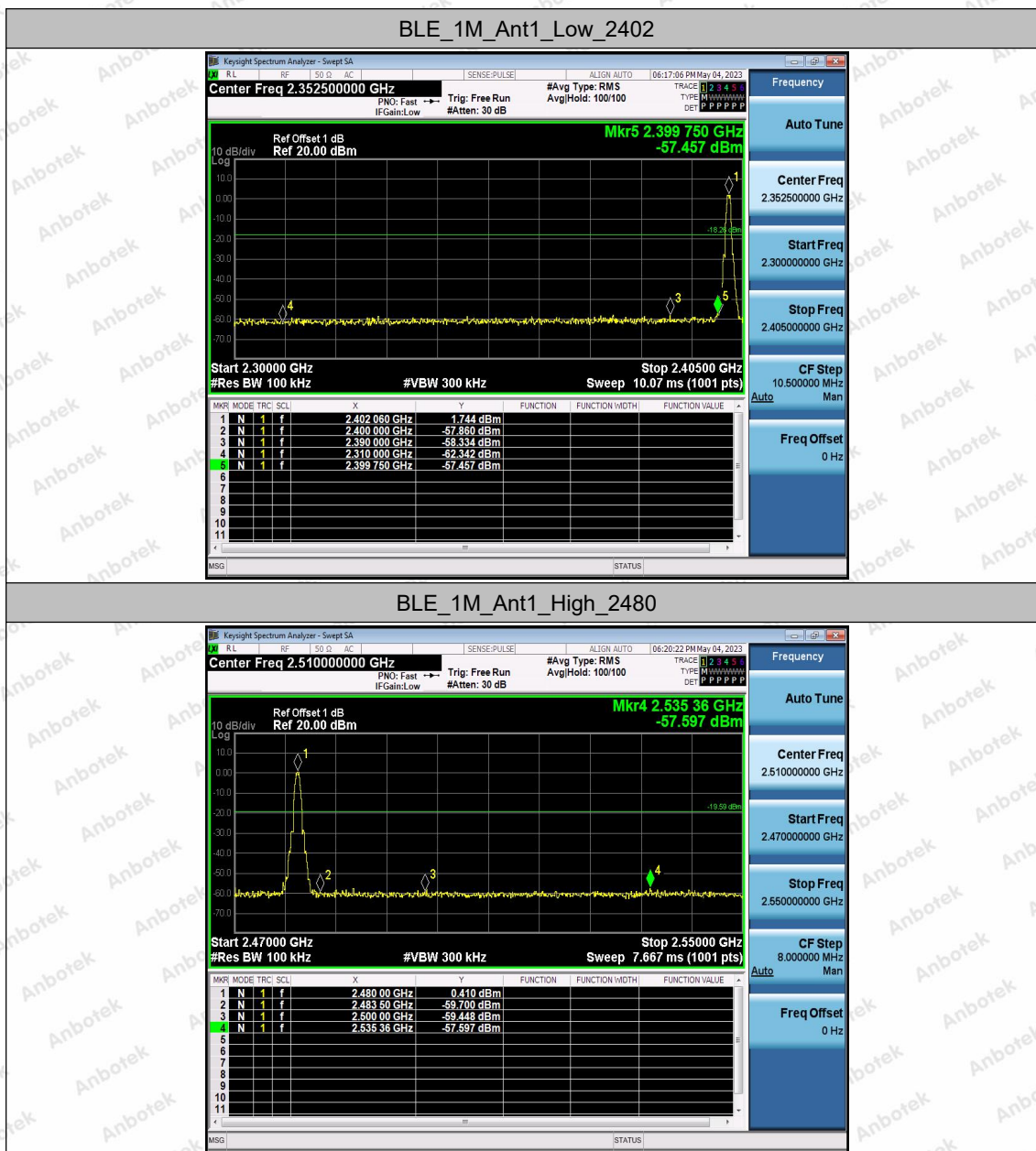
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.74	-57.46	≤-18.26	PASS
		High	2480	0.41	-57.6	≤-19.59	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	1.38	1.38	---	PASS
			30~1000	1.38	-68.31	≤-18.62	PASS
			1000~26500	1.38	-52.38	≤-18.62	PASS
		2440	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-68.8	≤-19.59	PASS
			1000~26500	0.41	-52.93	≤-19.59	PASS
		2480	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-68.39	≤-20.17	PASS
			1000~26500	-0.17	-53.1	≤-20.17	PASS

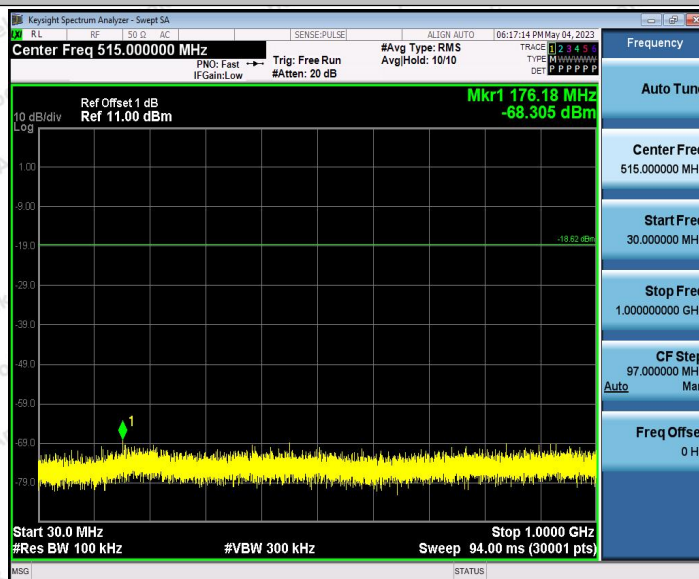


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

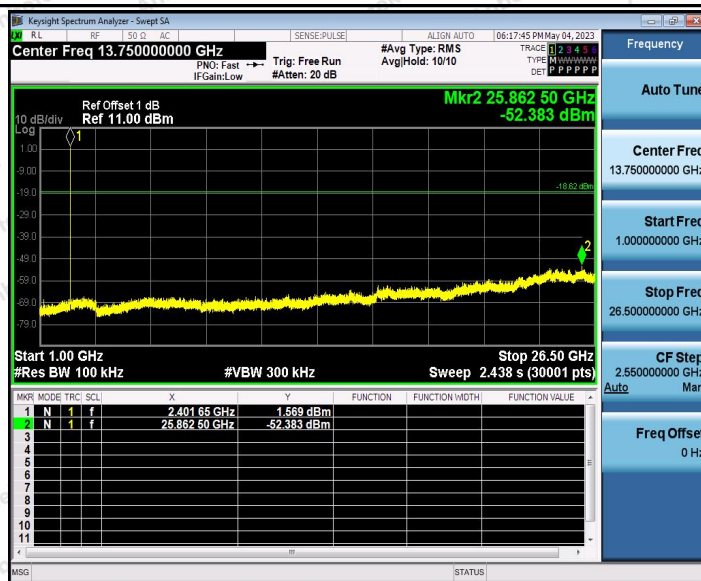
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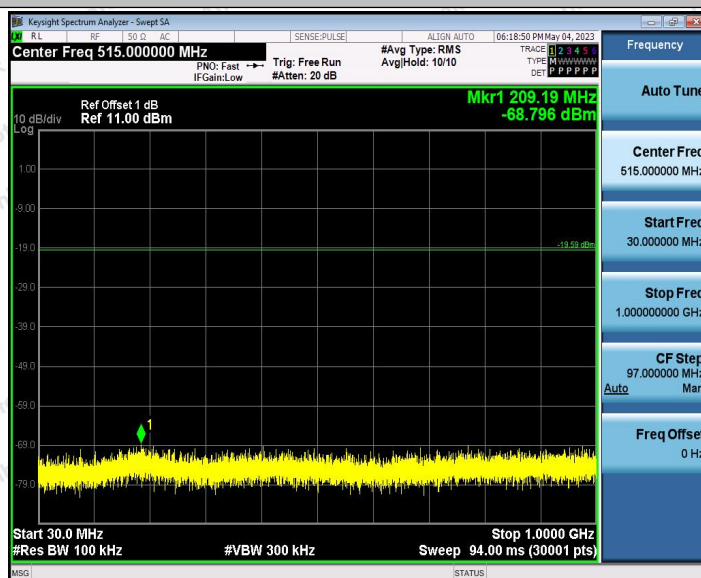




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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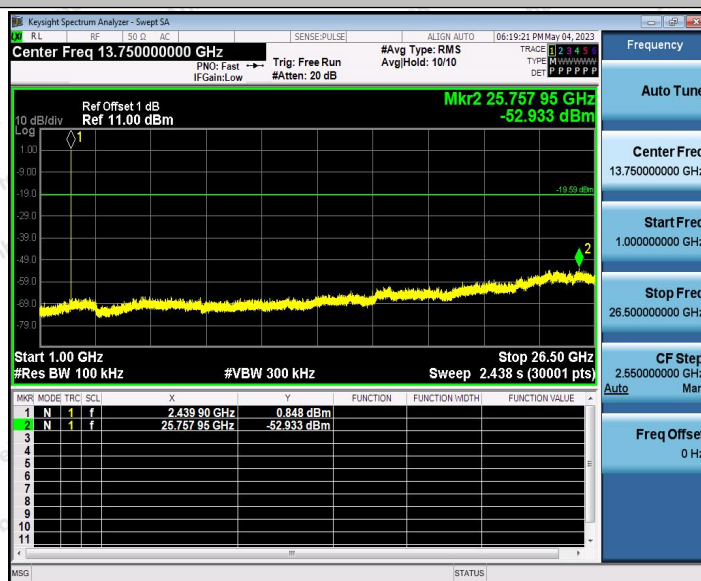
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

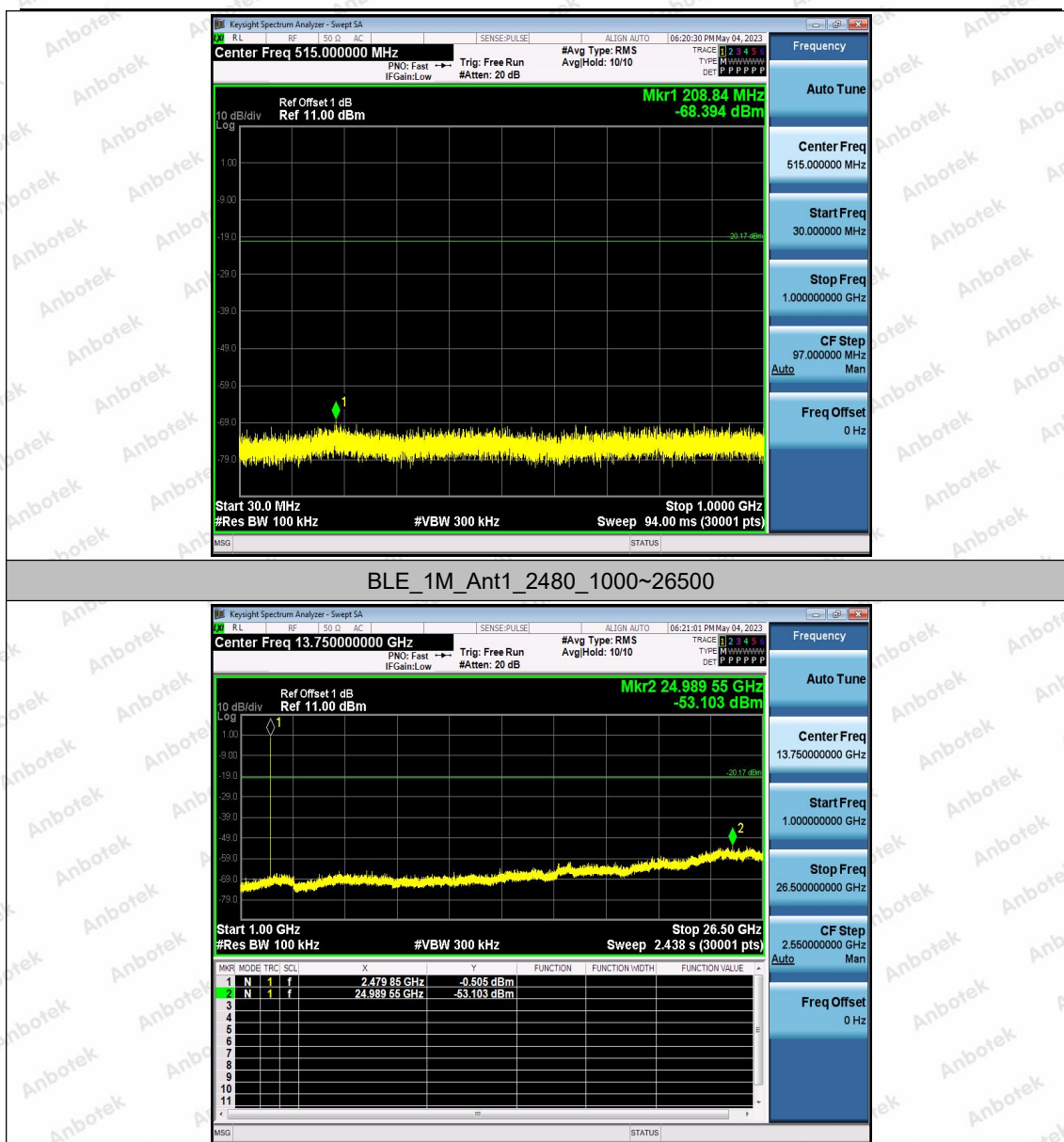
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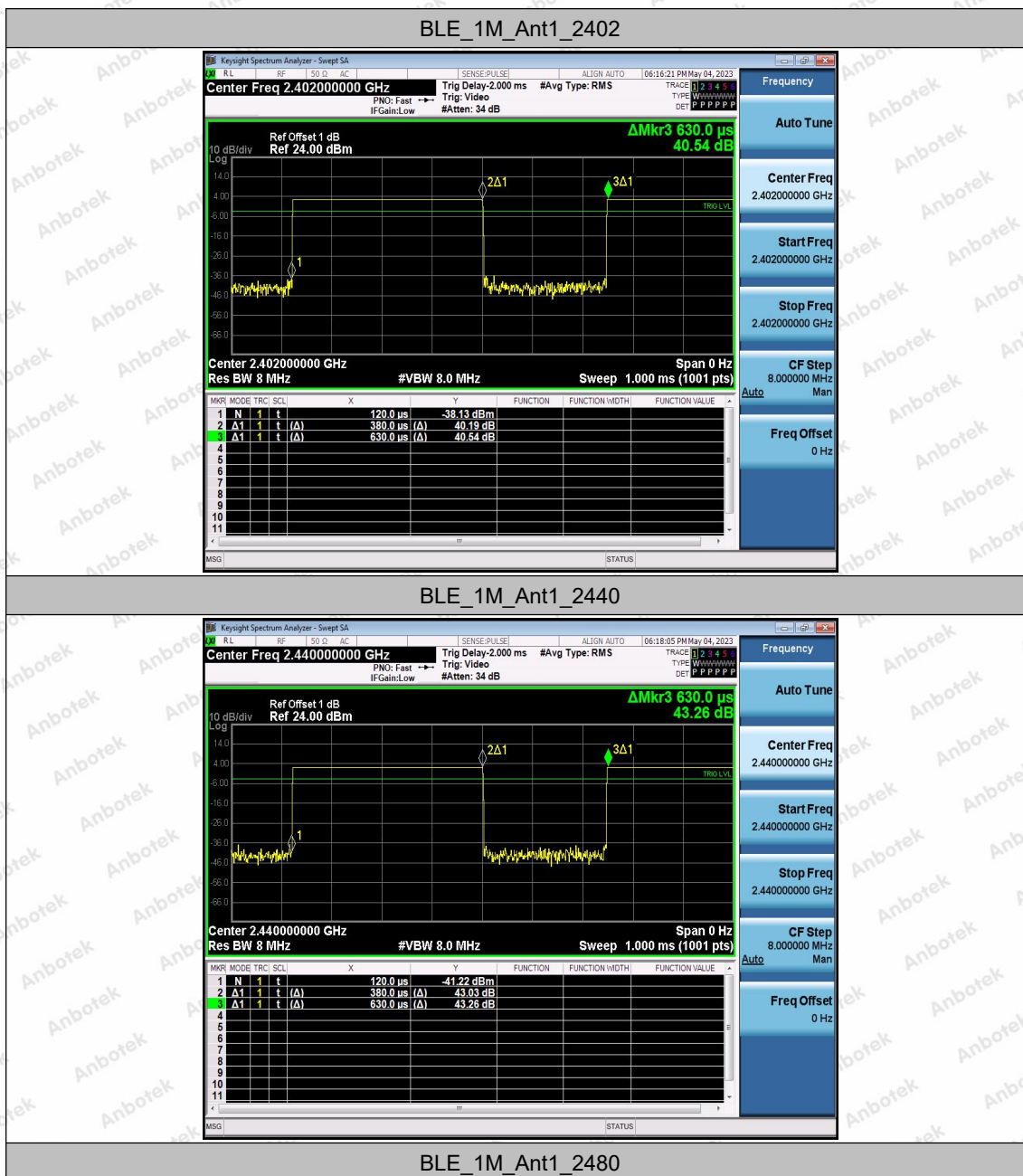
Appendix G: Duty Cycle

Test Result

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



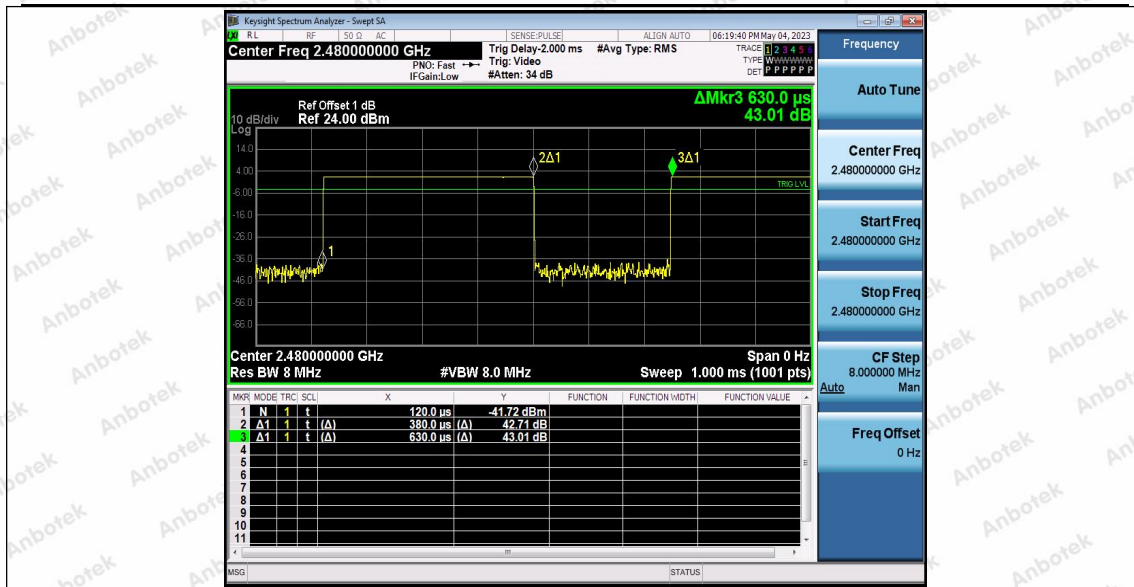
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