

Appendix Test Data

Report No.:	18220WC30054801	Test Sample No.:	1-2-2
Start Test Date:	2023.04.03	Finish Test Date:	2023.04.06
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.1℃	Relative Humidity:	50%
Pressure:	1012 hPa		

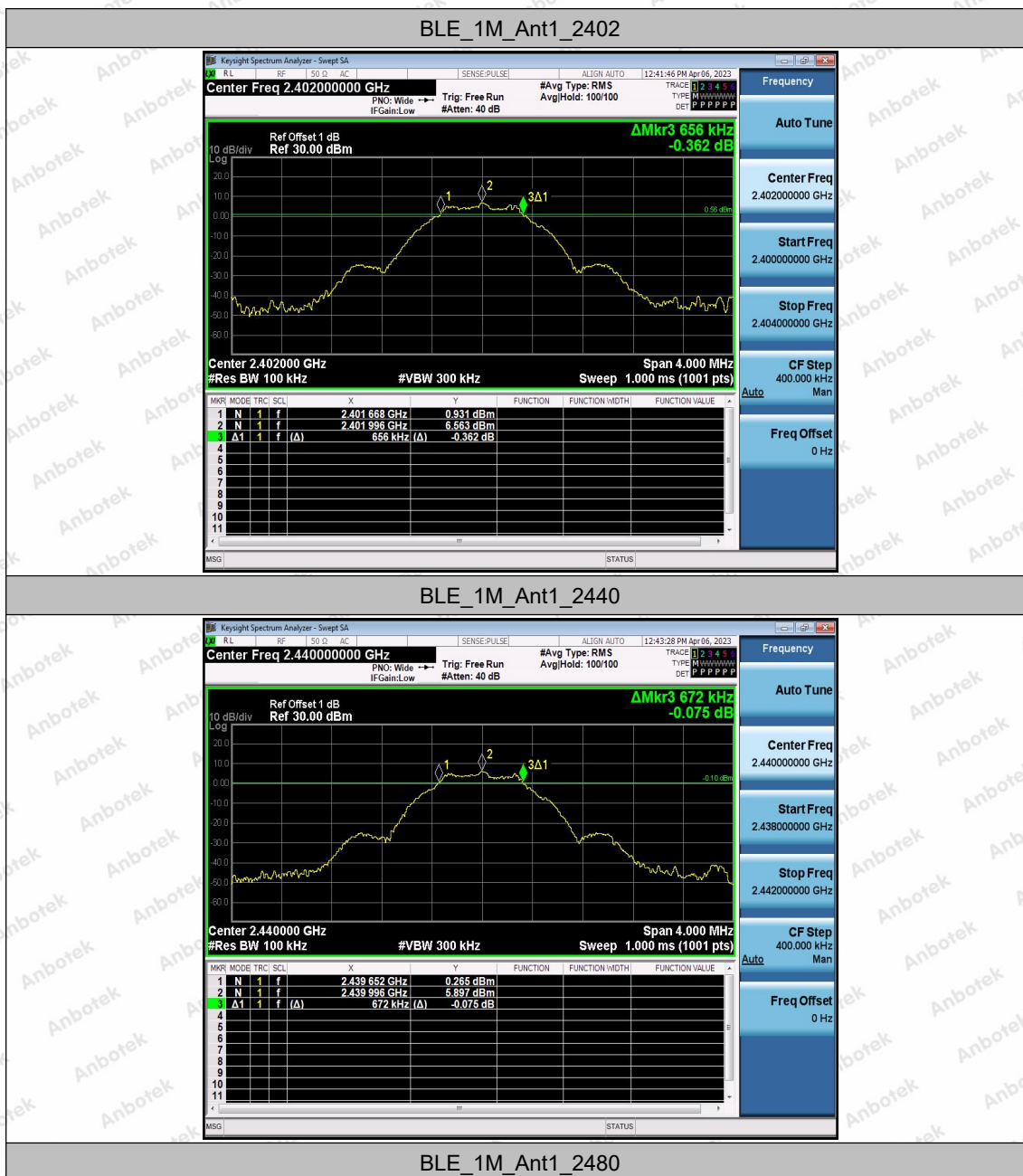
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.668	2402.324	0.5	PASS
		2440	0.672	2439.652	2440.324	0.5	PASS
		2480	0.672	2479.652	2480.324	0.5	PASS



Test Graphs



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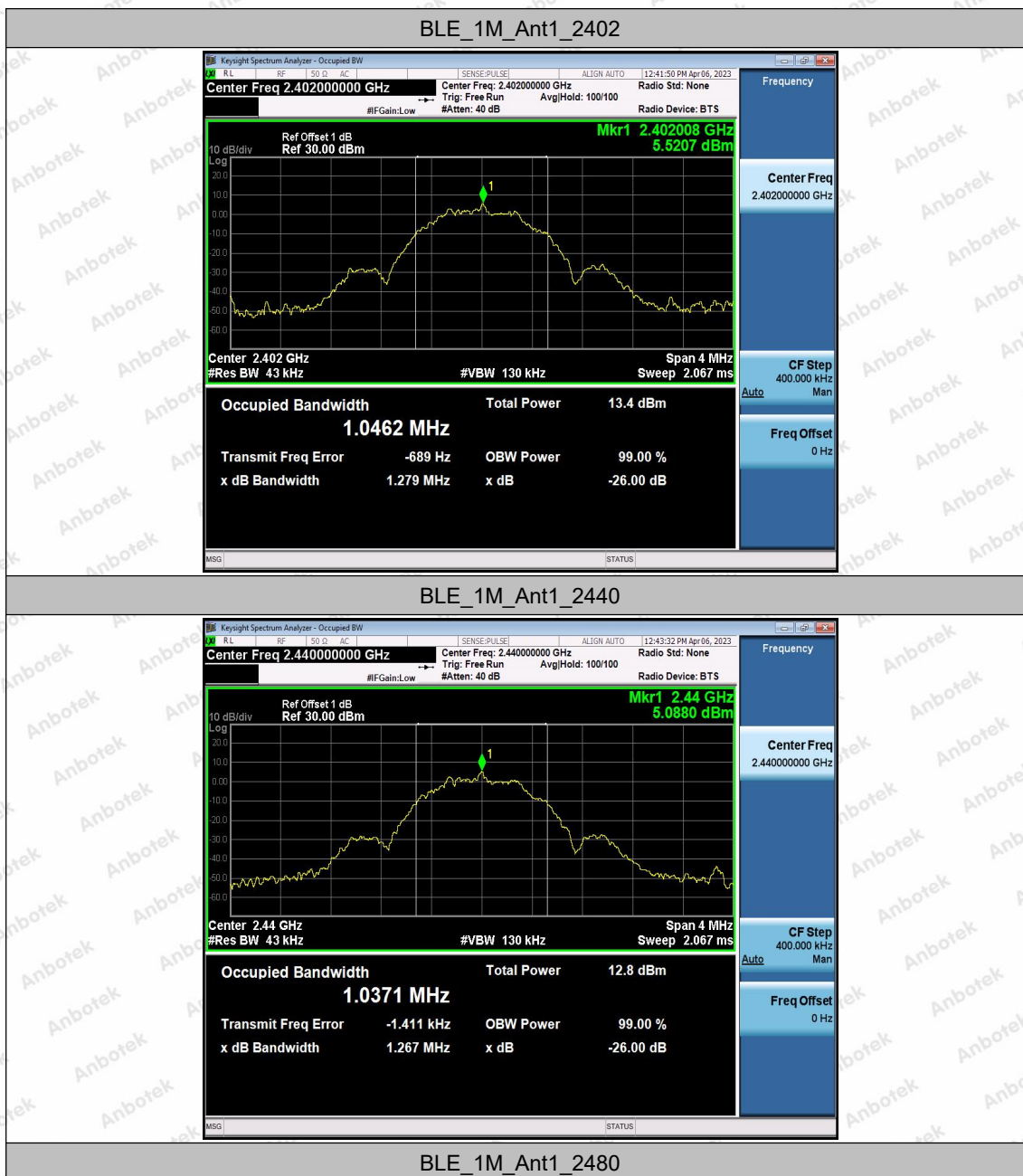
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0462	2401.4762	2402.5224
		2440	1.0371	2439.4800	2440.5171
		2480	1.0384	2479.4793	2480.5177



Test Graphs



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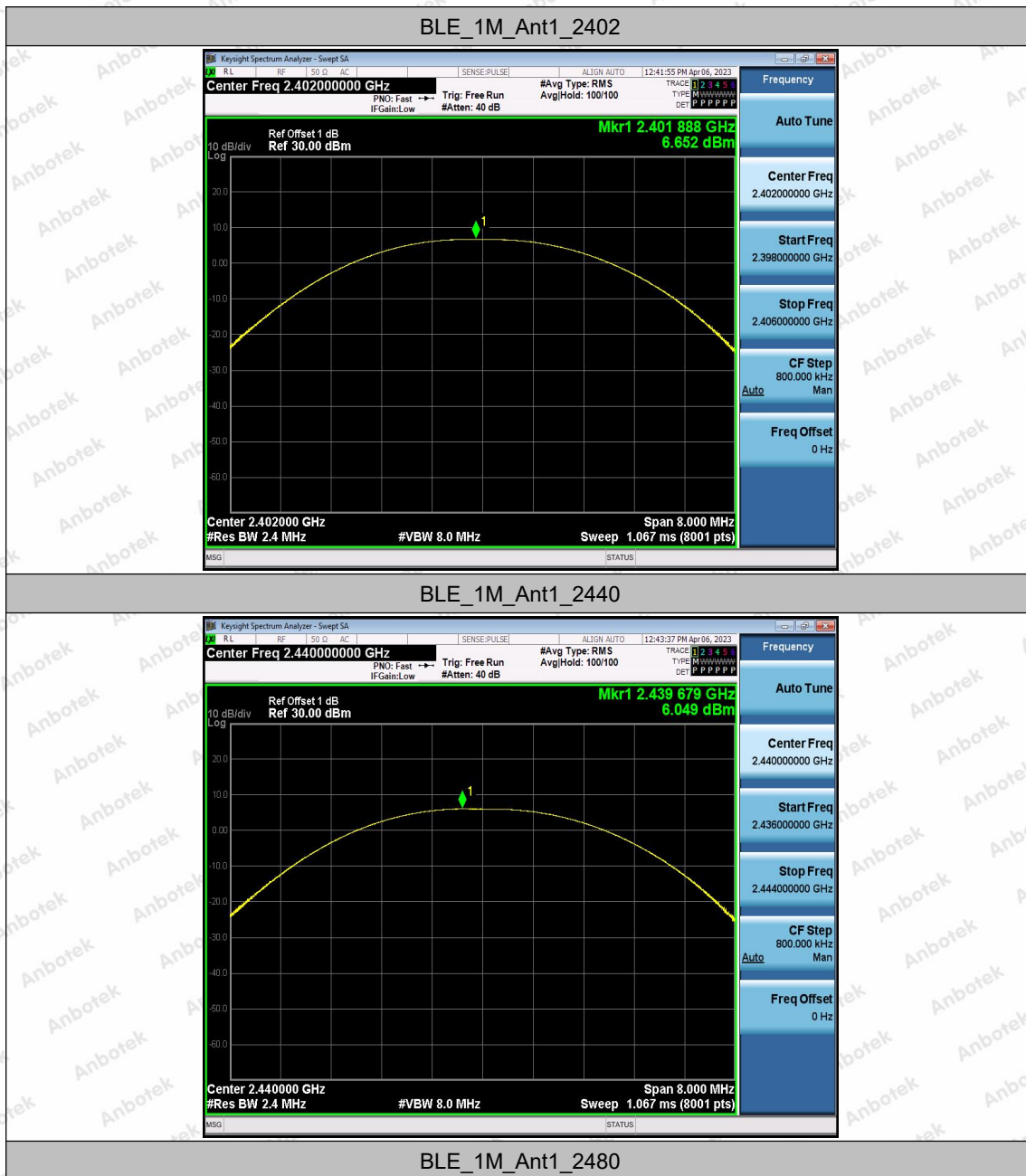
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.65	≤30	PASS
		2440	6.05	≤30	PASS
		2480	7.23	≤30	PASS



Test Graphs Peak



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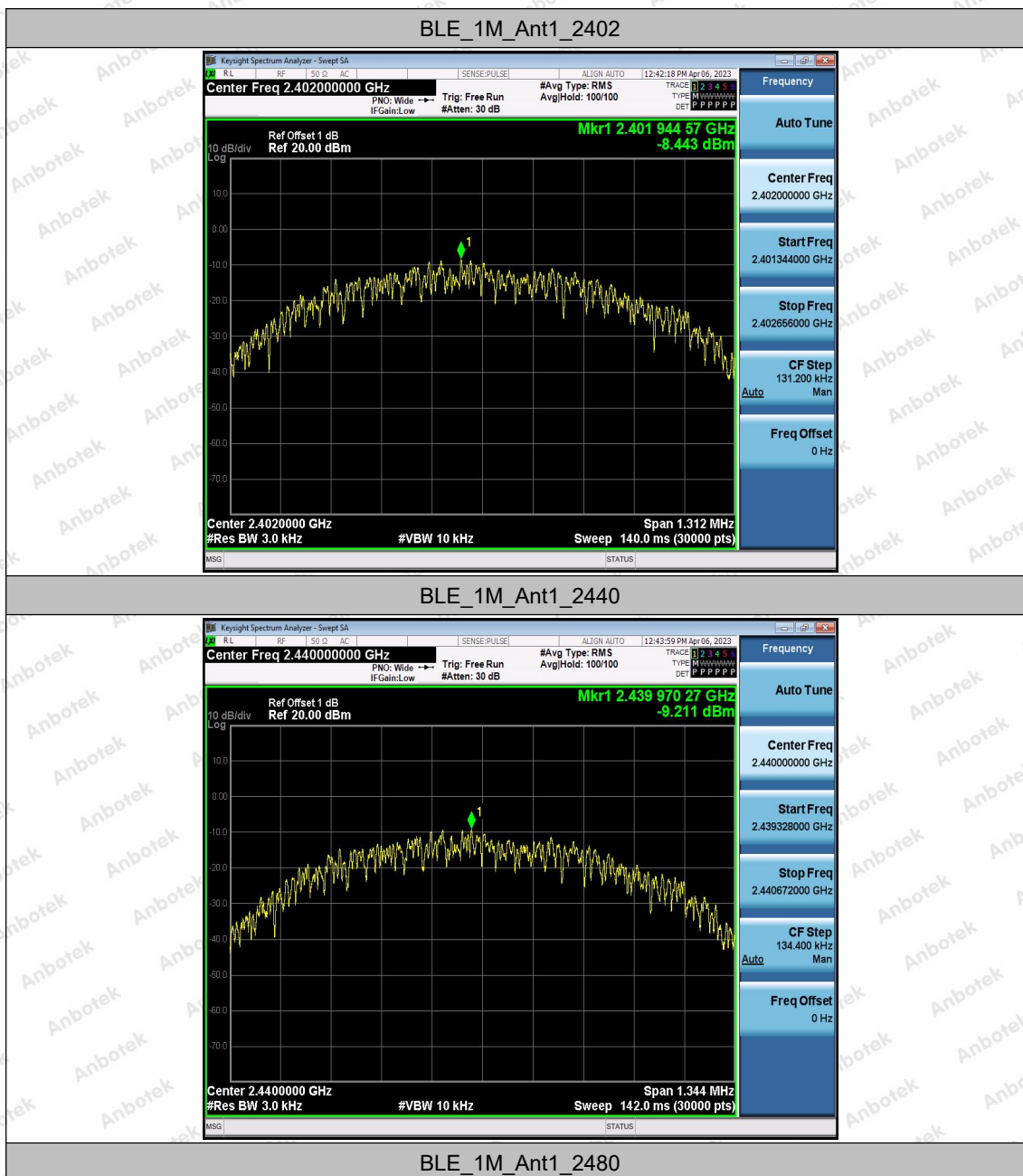
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.44	≤8.00	PASS
		2440	-9.21	≤8.00	PASS
		2480	-8.38	≤8.00	PASS



Test Graphs



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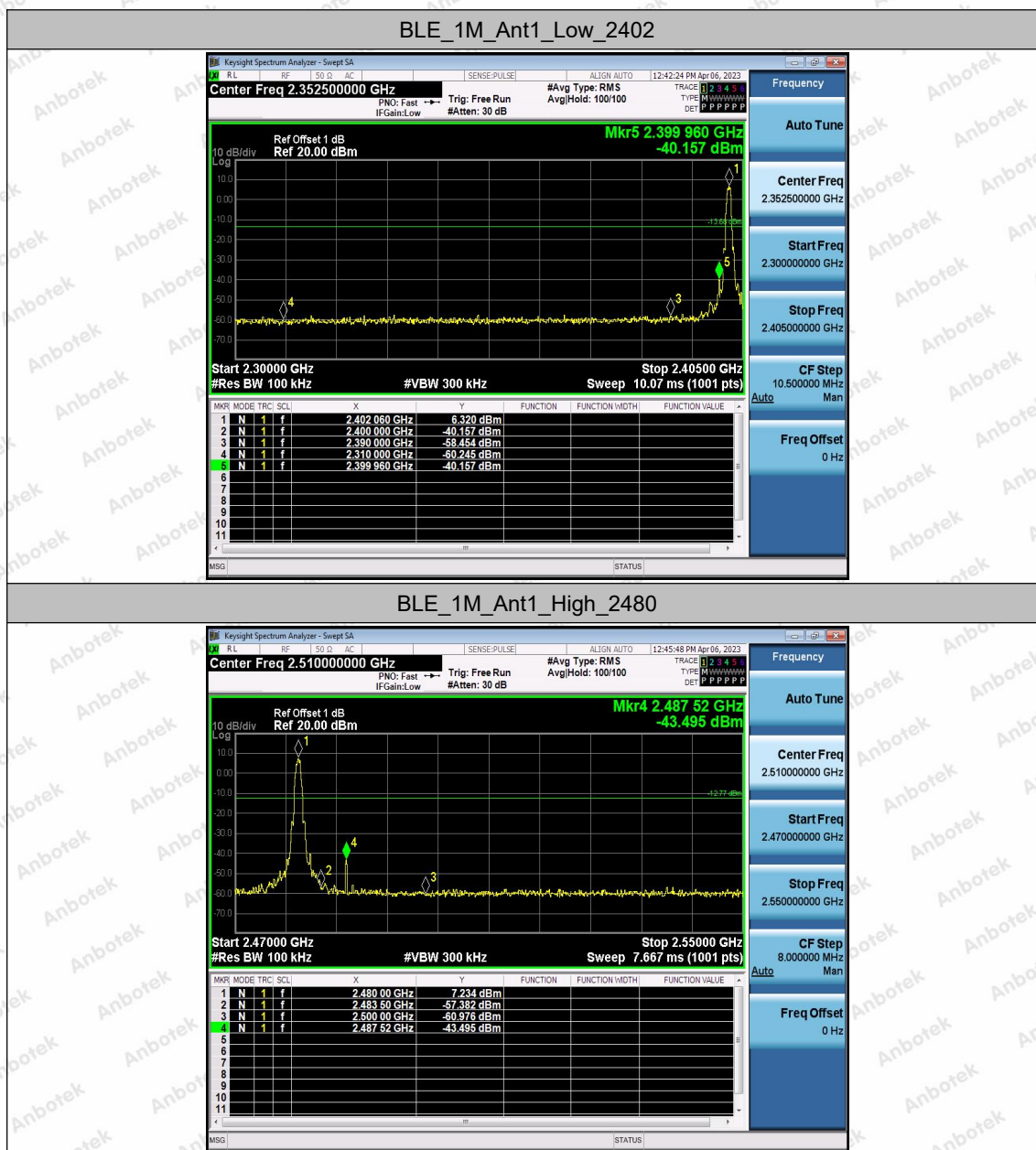


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.32	-40.16	≤-13.68	PASS
		High	2480	7.23	-43.5	≤-12.77	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	5.60	5.60	---	PASS
			30~1000	5.60	-68.56	≤-14.4	PASS
			1000~26500	5.60	-52.74	≤-14.4	PASS
		2440	Reference	5.00	5.00	---	PASS
			30~1000	5.00	-68.73	≤-15	PASS
			1000~26500	5.00	-52.15	≤-15	PASS
		2480	Reference	5.98	5.98	---	PASS
			30~1000	5.98	-68.03	≤-14.02	PASS
			1000~26500	5.98	-53.26	≤-14.02	PASS

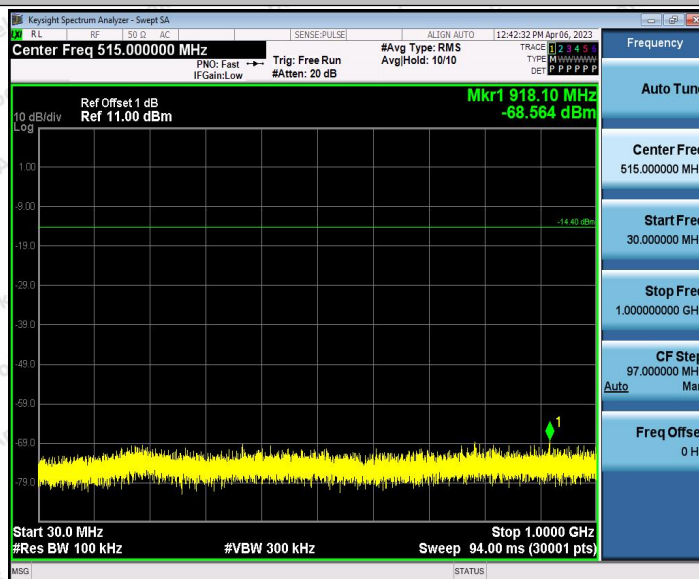


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

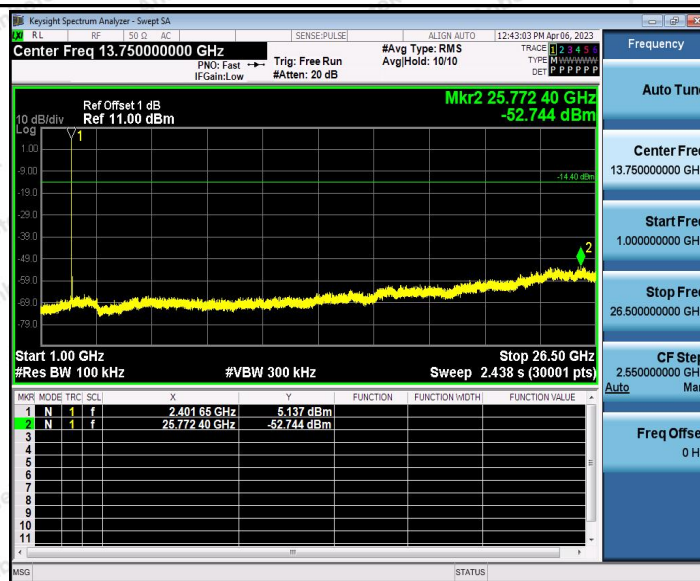
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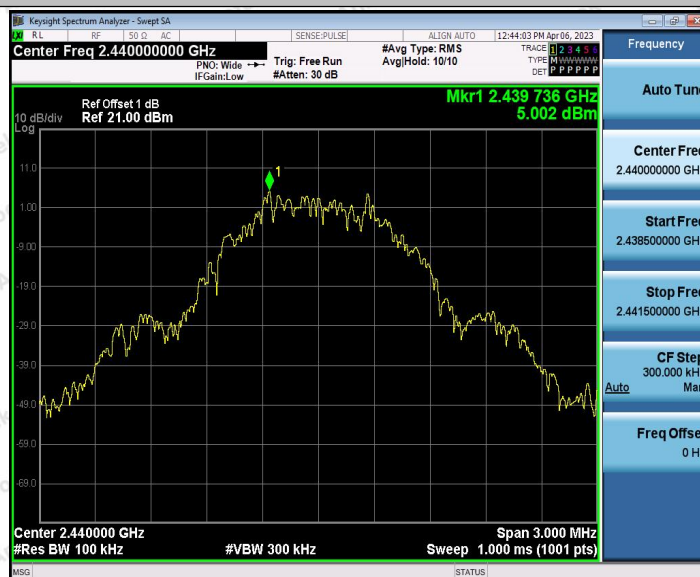


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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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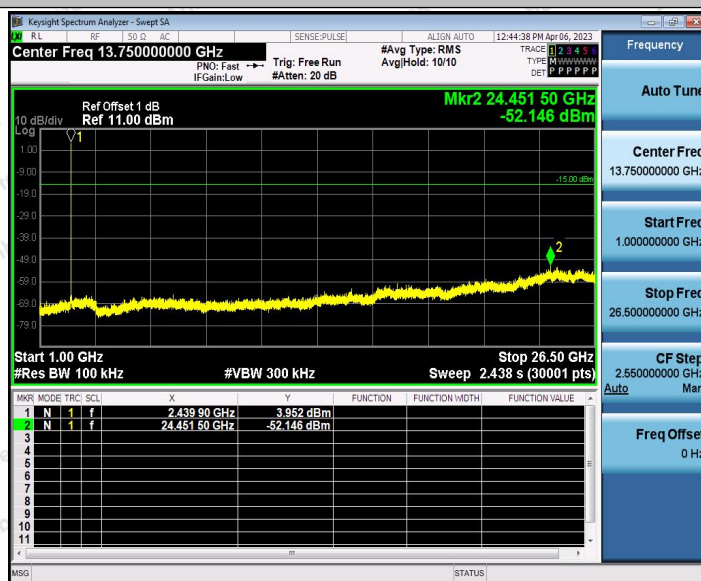
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

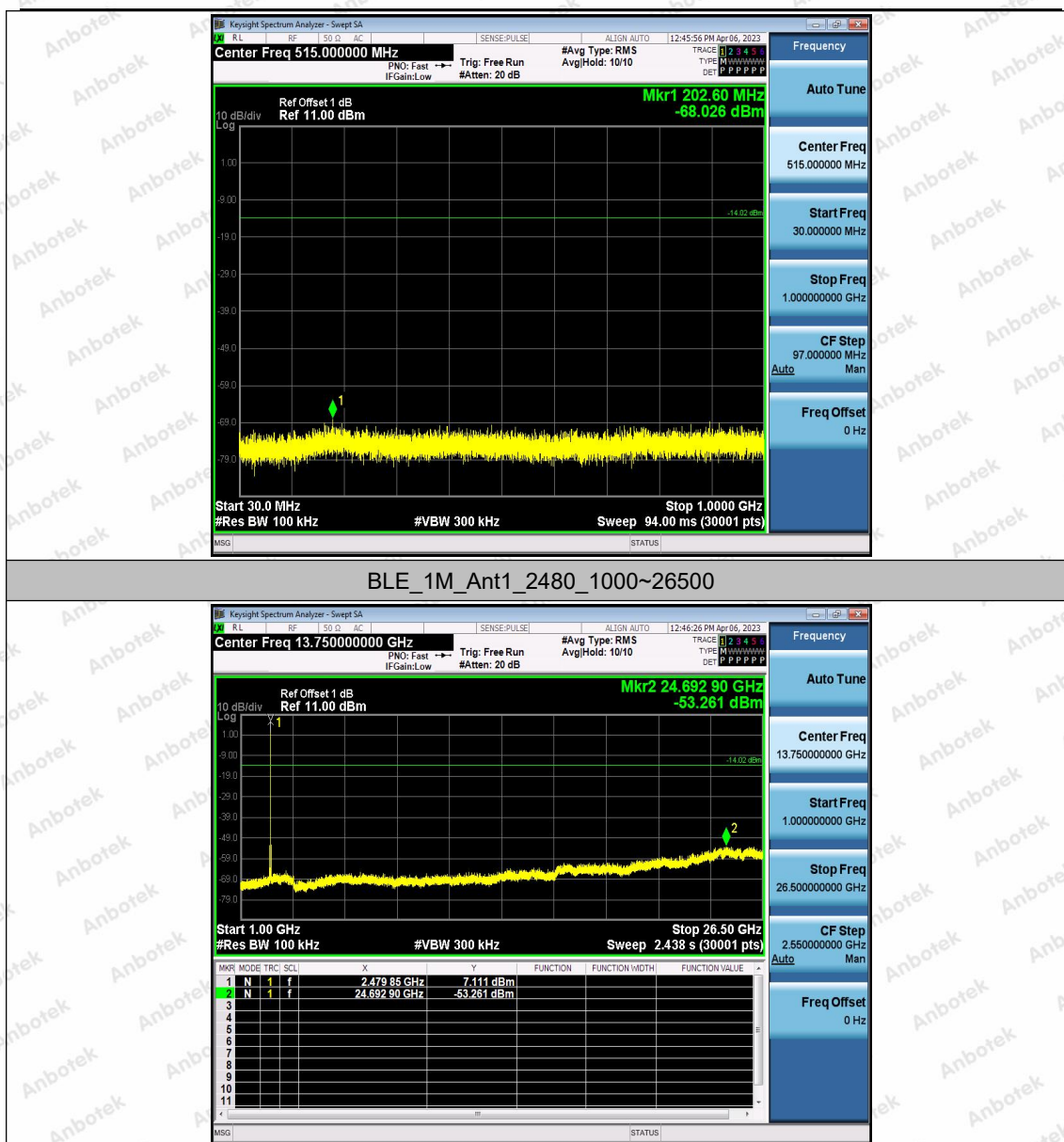
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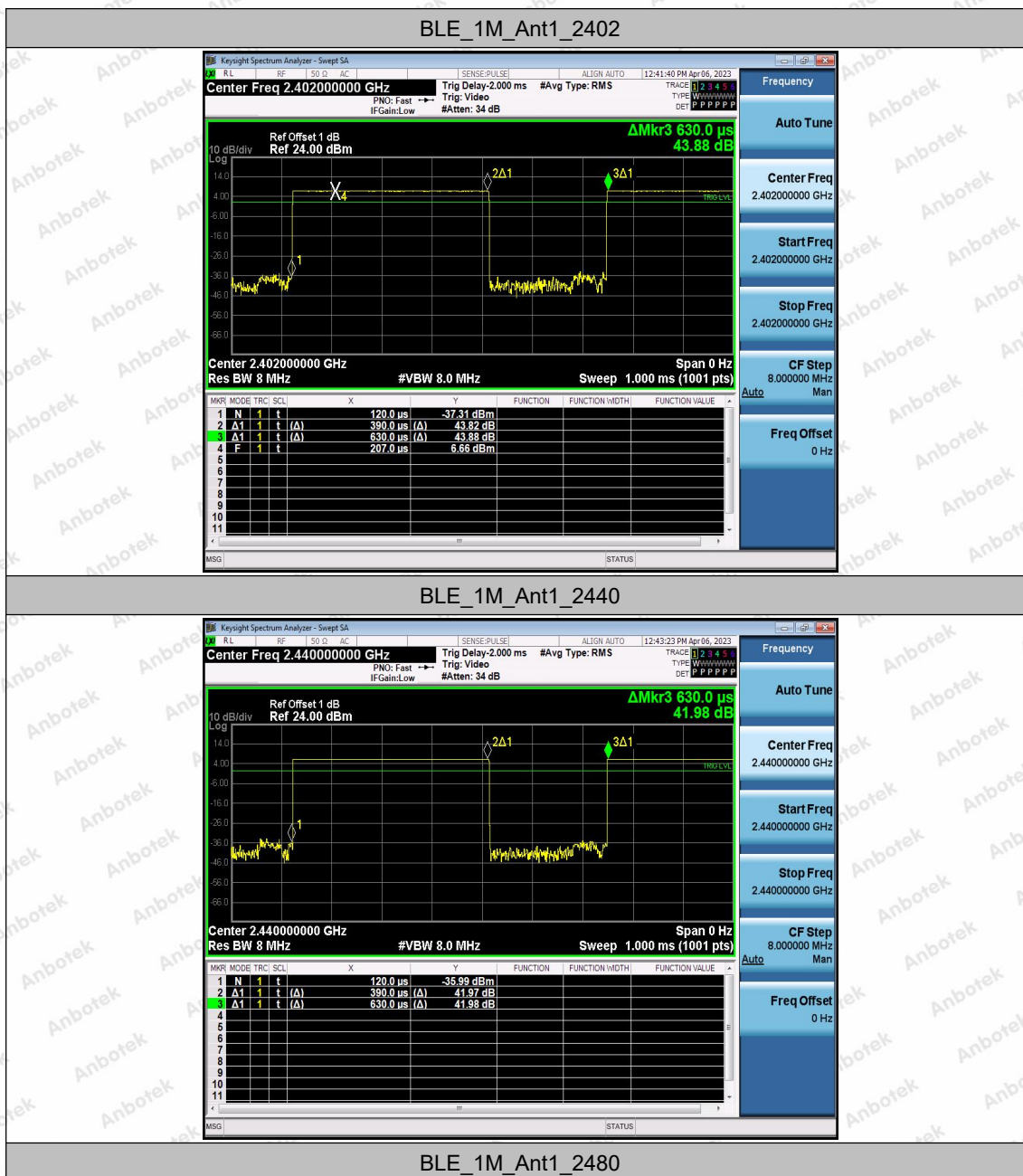
Appendix G: Duty Cycle

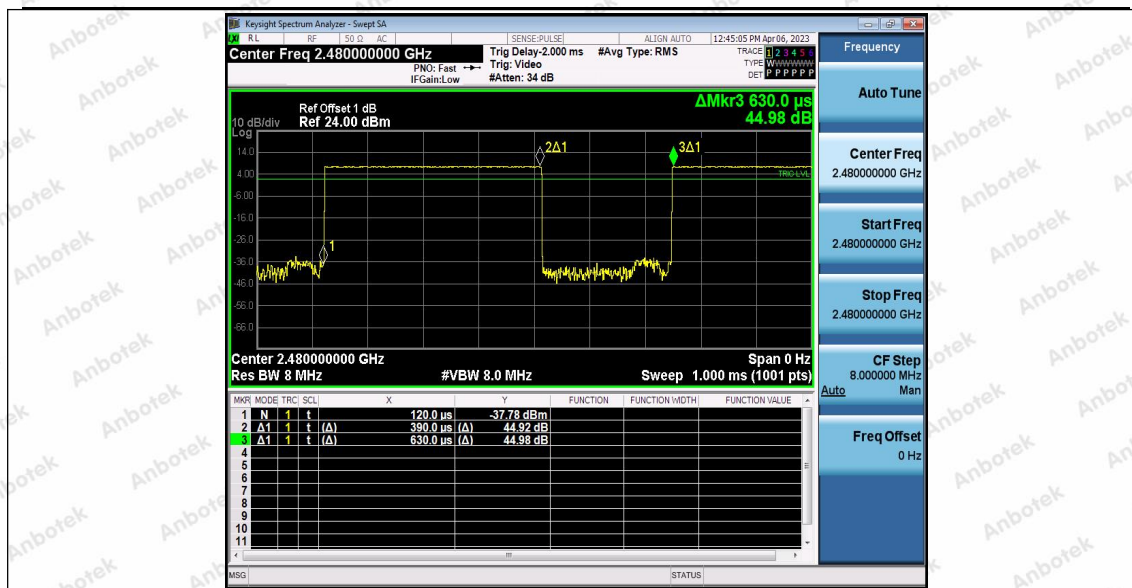
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08



Test Graphs





---End---

