

Appendix Test Data

Report No.:	18220WC20192302	Test Sample No.:	1-2-2
Start Test Date:	2022.8.19	Finish Test Date:	2022.8.23
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	26.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

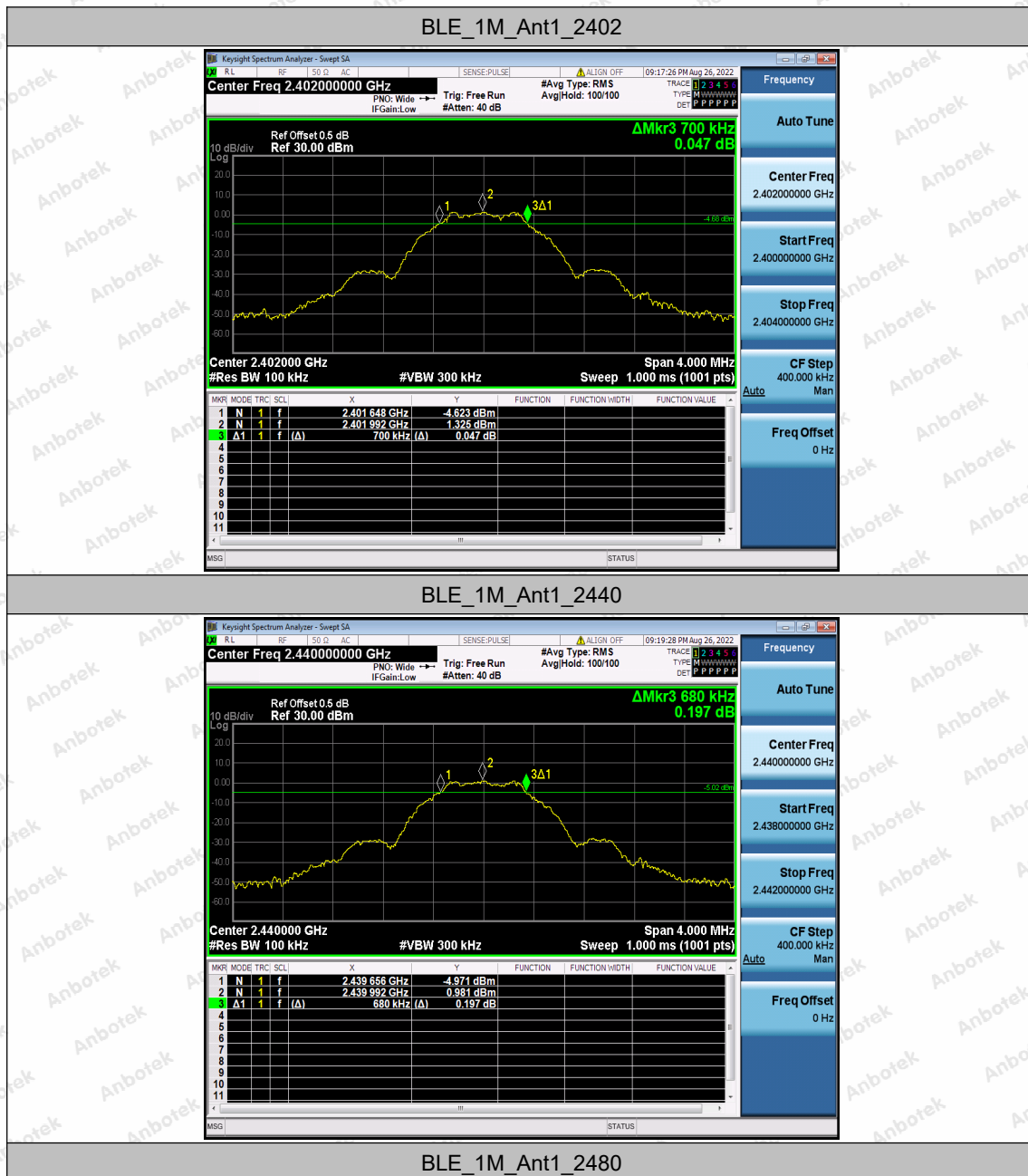
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.700	2401.648	2402.348	0.5	PASS
		2440	0.680	2439.656	2440.336	0.5	PASS
		2480	0.676	2479.656	2480.332	0.5	PASS



Test Graphs



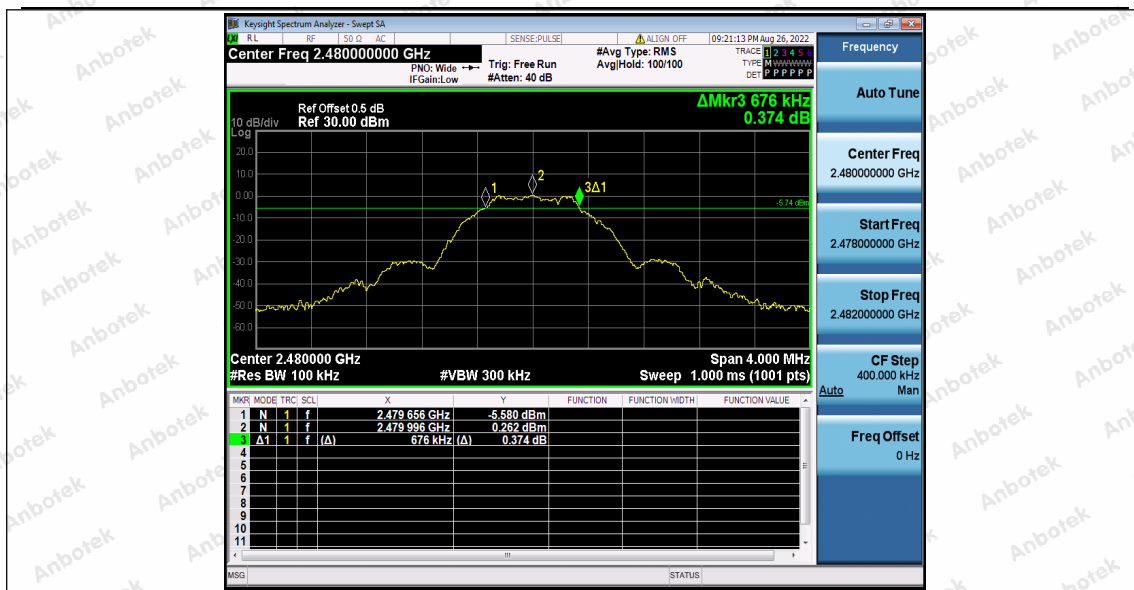
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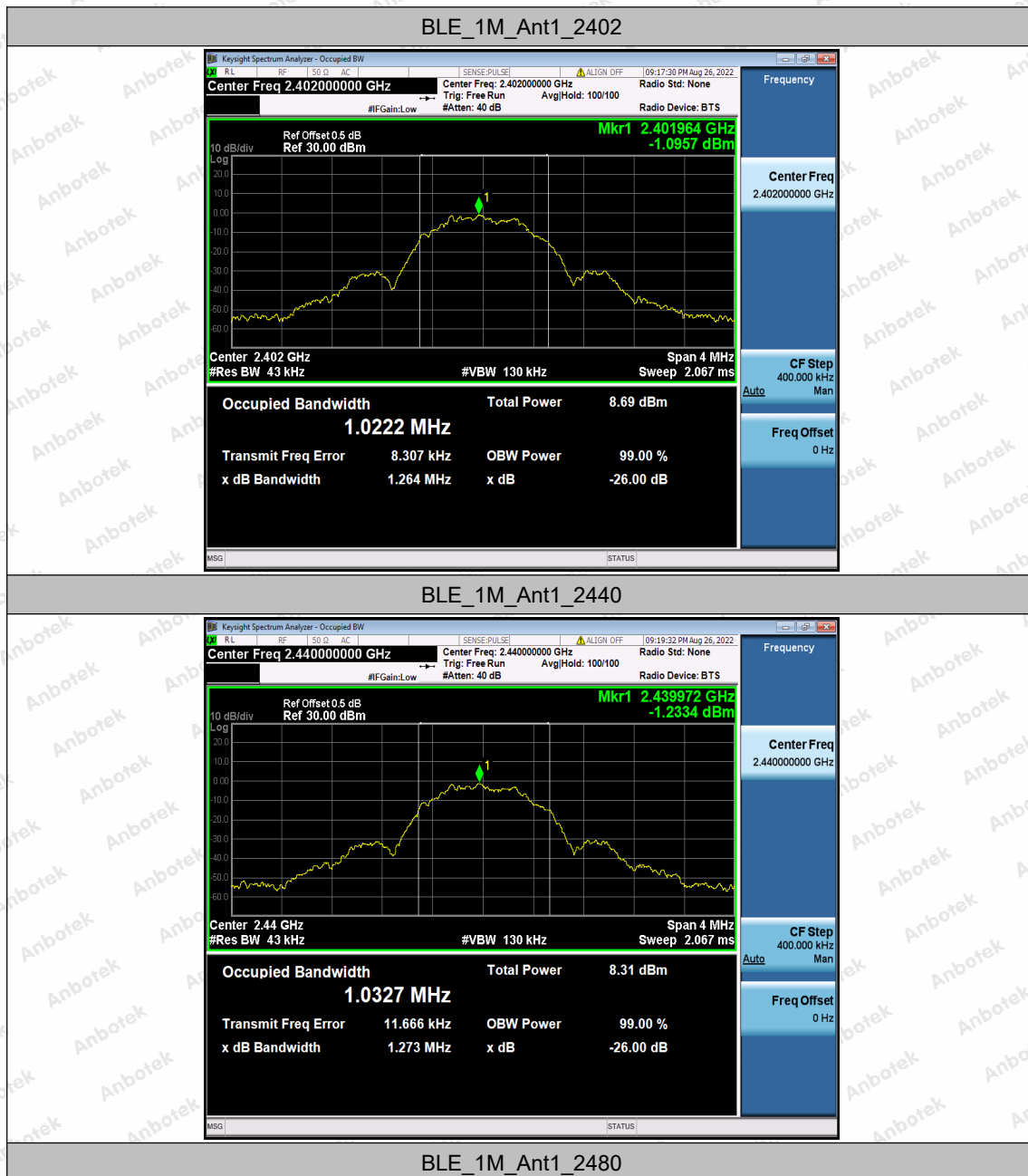
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0222	2401.4972	2402.5194	---	PASS
		2440	1.0327	2439.4953	2440.5280	---	PASS
		2480	1.0272	2479.4968	2480.5240	---	PASS



Test Graphs



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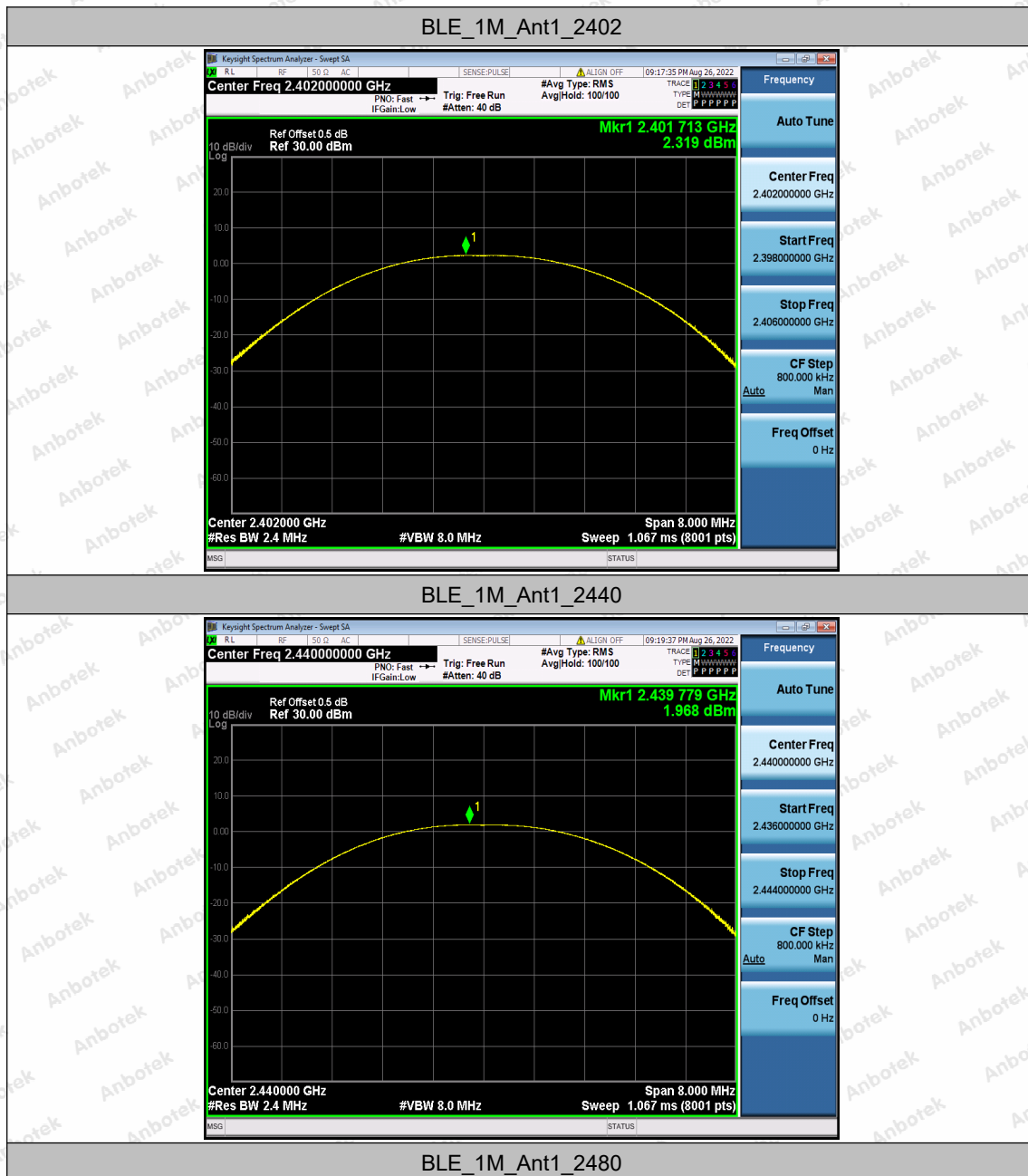
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.32	≤30	PASS
		2440	1.97	≤30	PASS
		2480	1.24	≤30	PASS



Test Graphs Peak



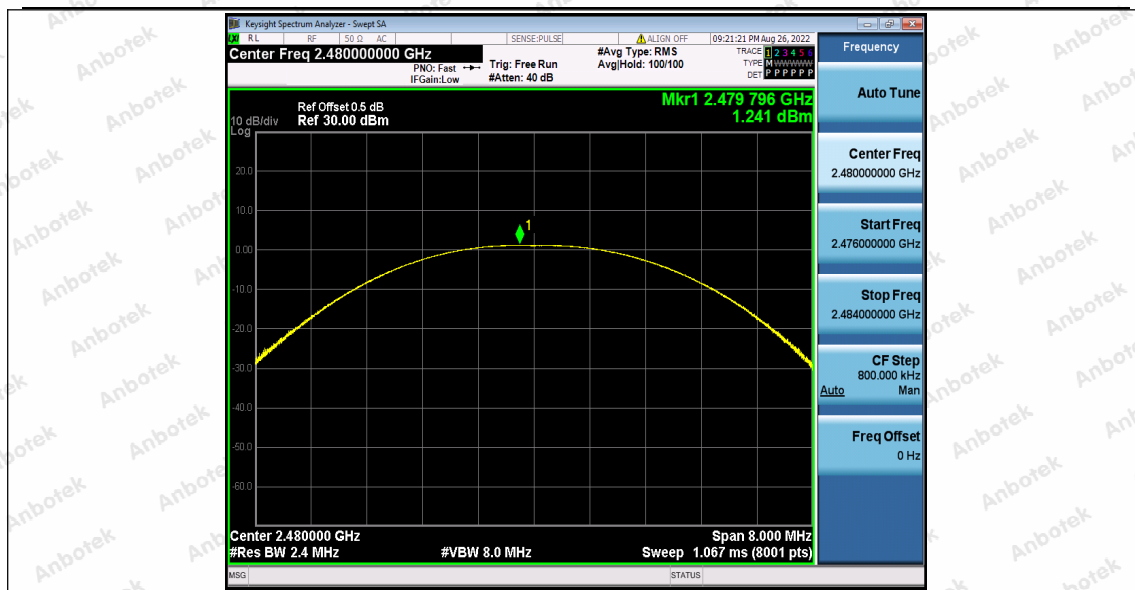
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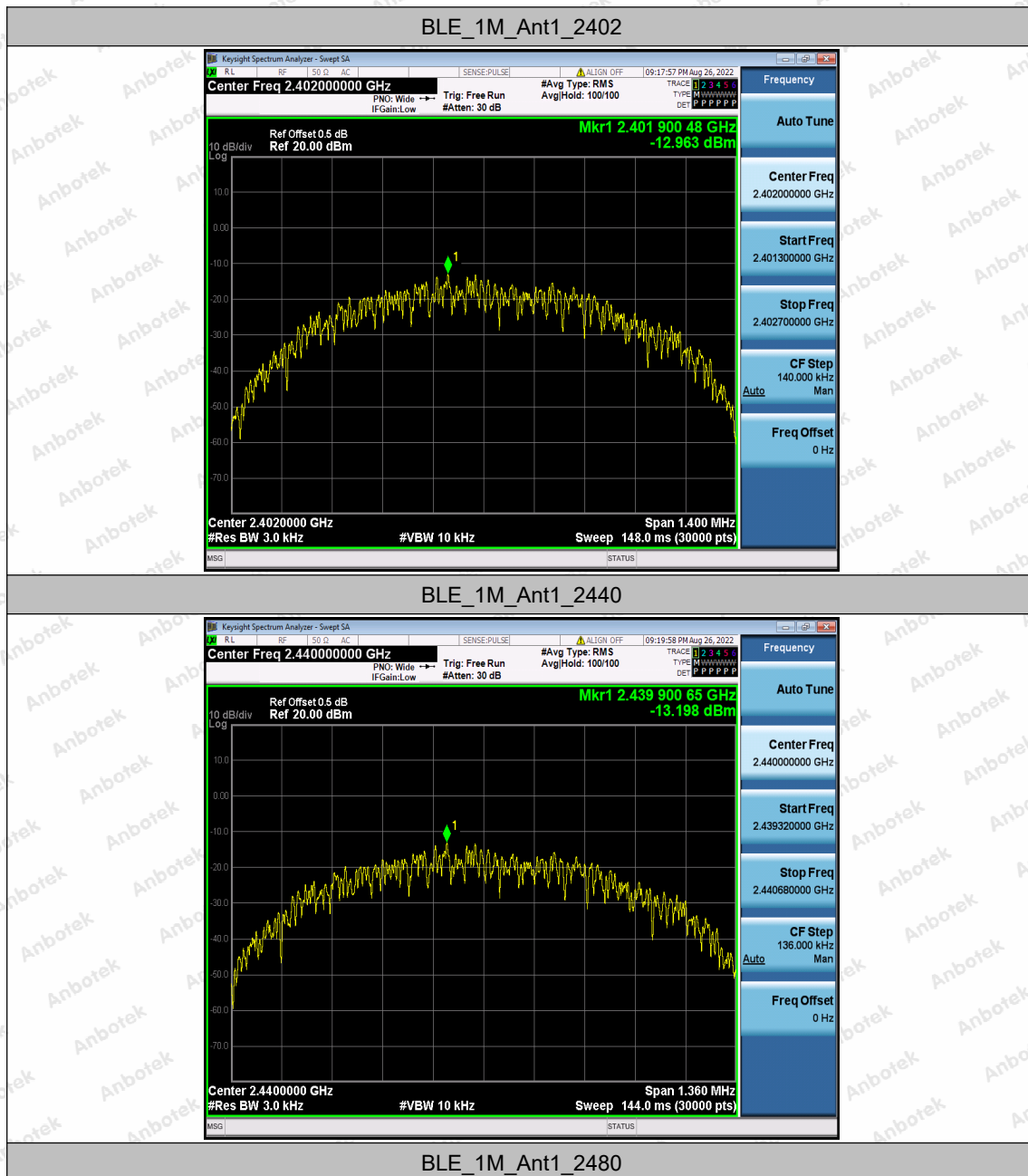
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.96	≤8.00	PASS
		2440	-13.2	≤8.00	PASS
		2480	-13.91	≤8.00	PASS



Test Graphs



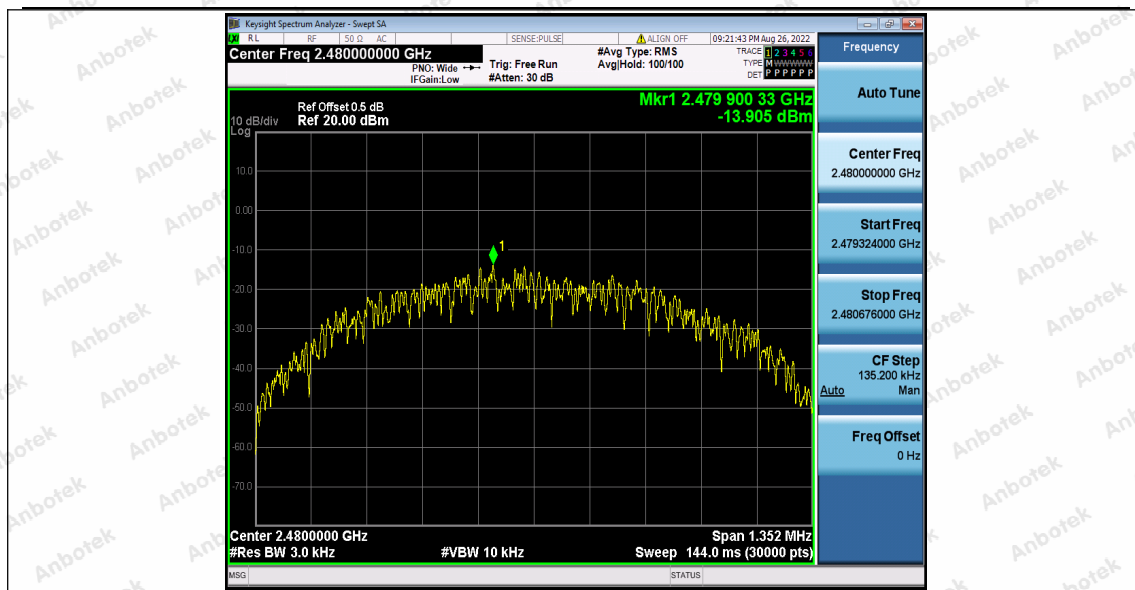
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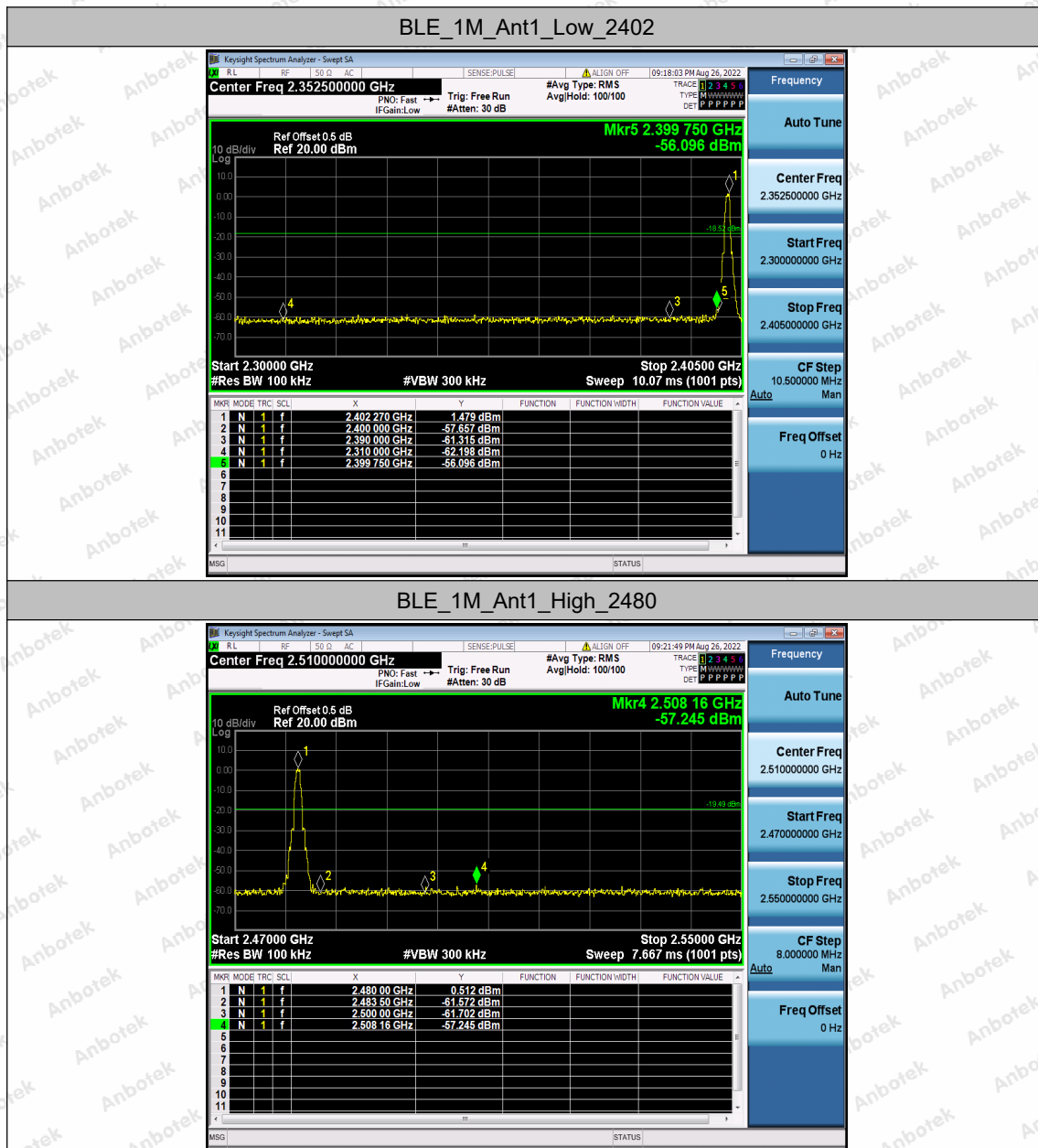
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.48	-56.1	≤-18.52	PASS
		High	2480	0.51	-57.25	≤-19.49	PASS



Test Graphs



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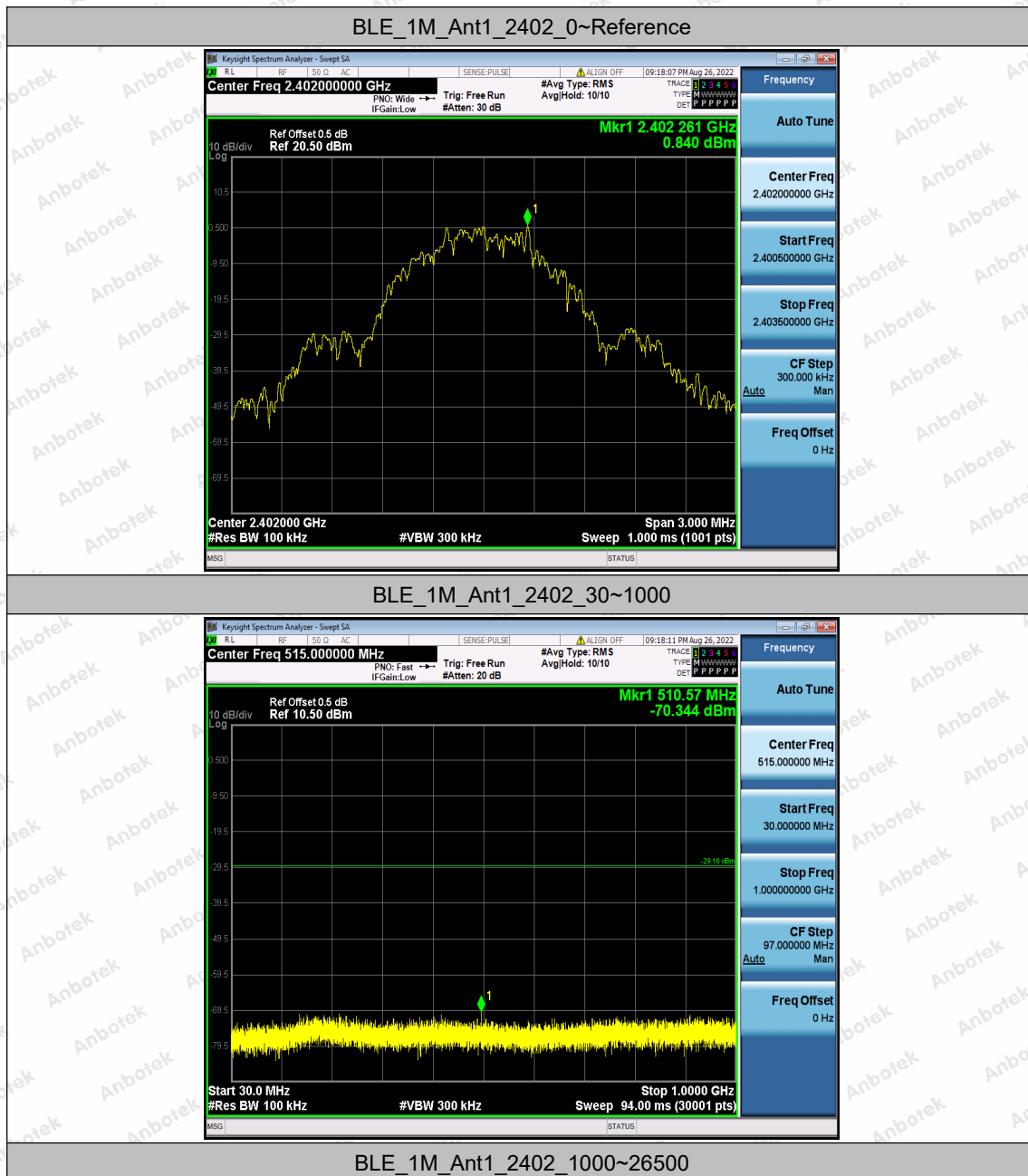
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.84	0.84	---	PASS
			30~1000	0.84	-70.34	≤-29.16	PASS
			1000~26500	0.84	-53.31	≤-29.16	PASS
		2440	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-69.58	≤-29.14	PASS
			1000~26500	0.86	-54.29	≤-29.14	PASS
		2480	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-69.92	≤-29.9	PASS
			1000~26500	0.10	-54.32	≤-29.9	PASS



Test Graphs



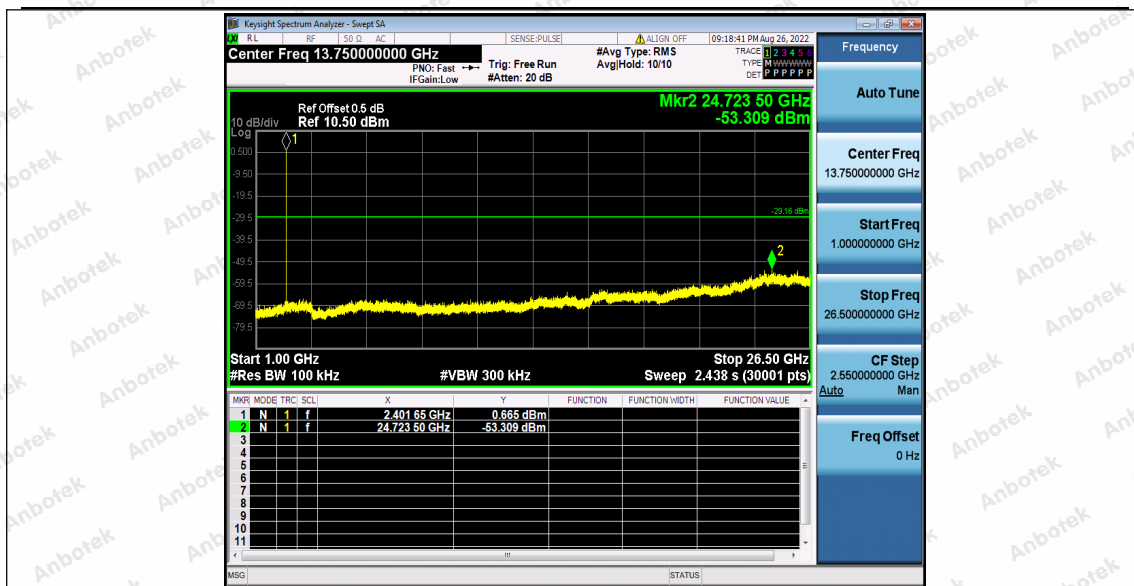
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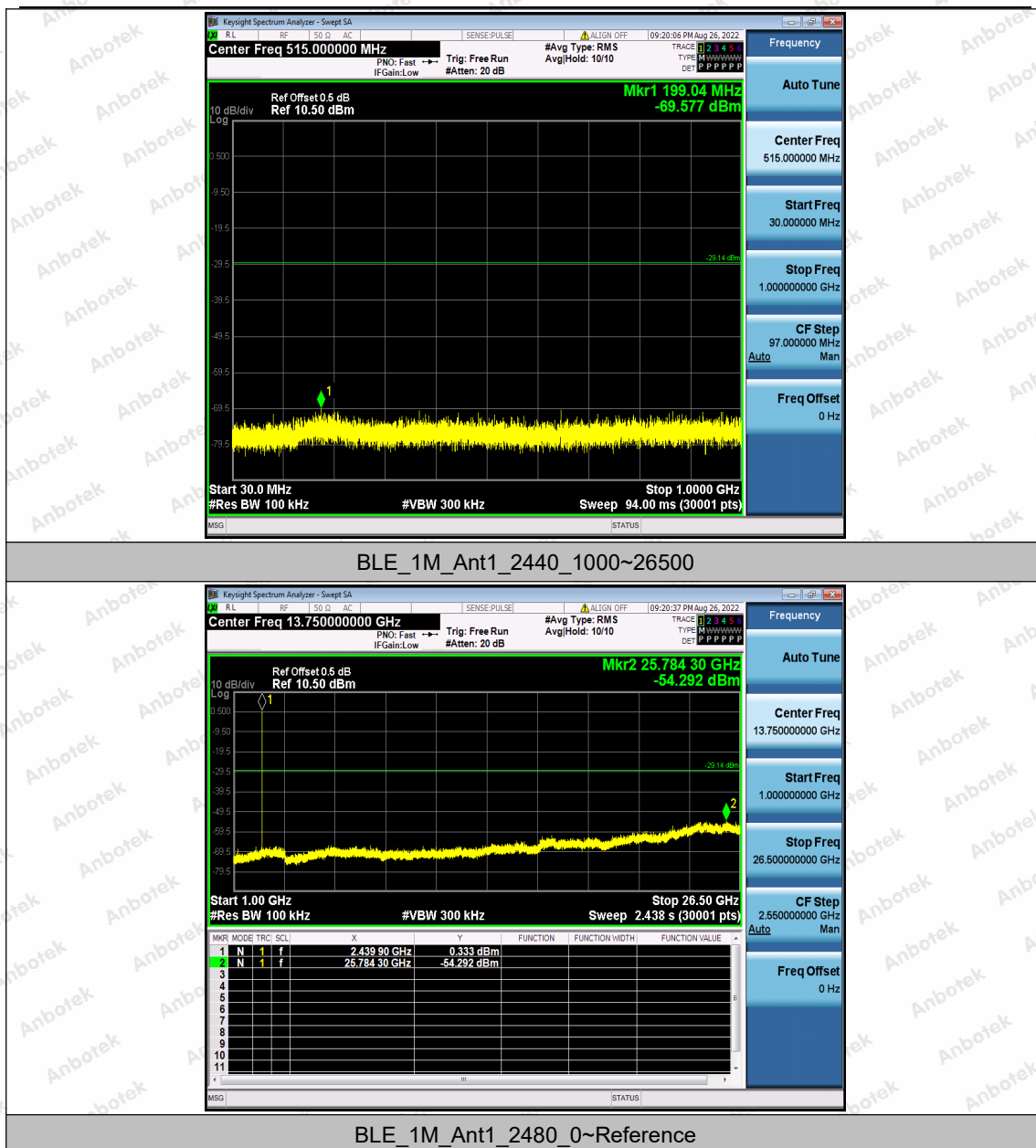


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





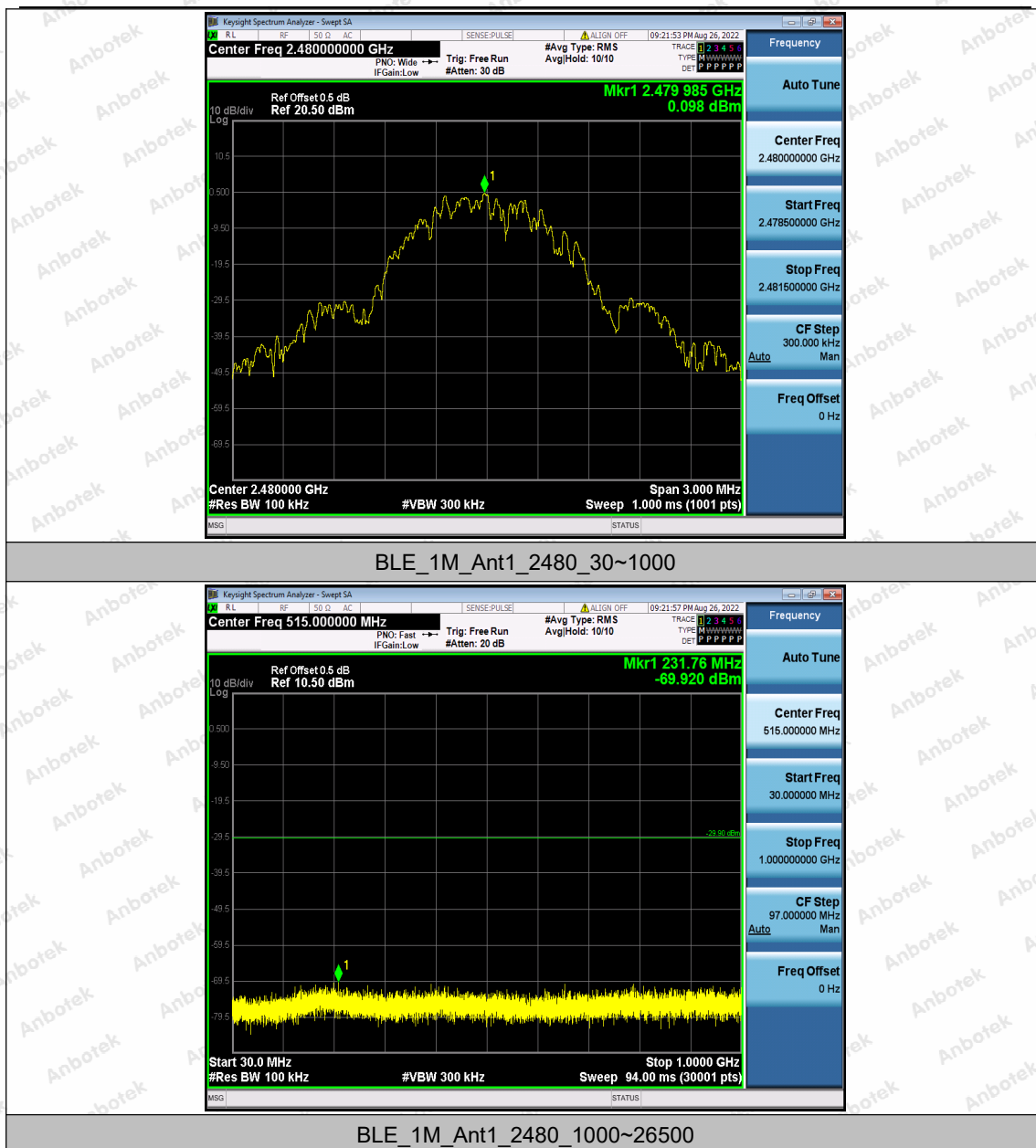
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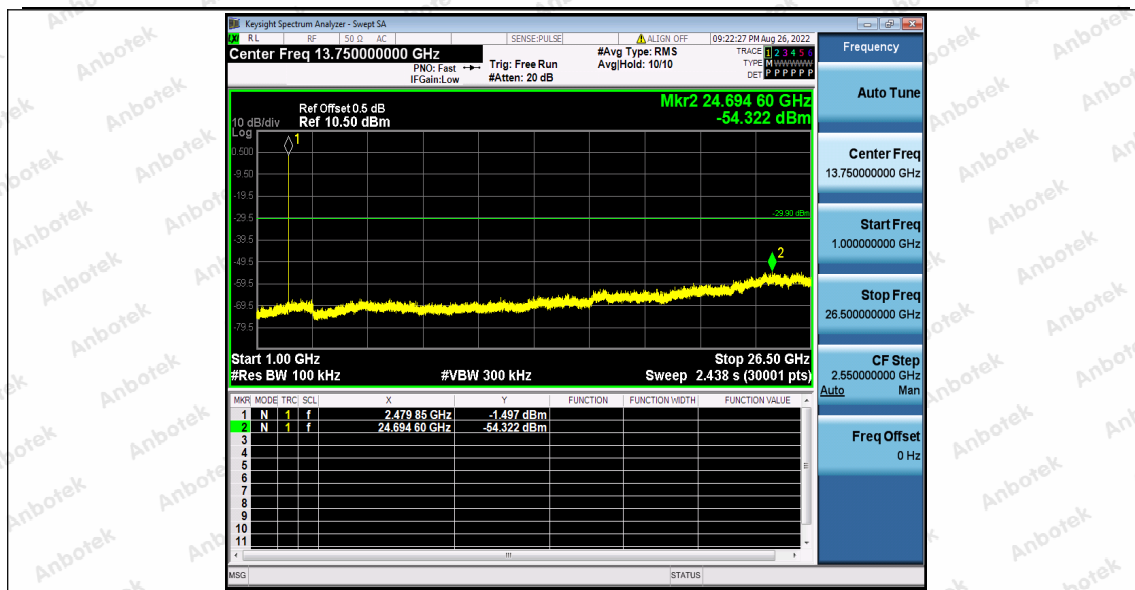
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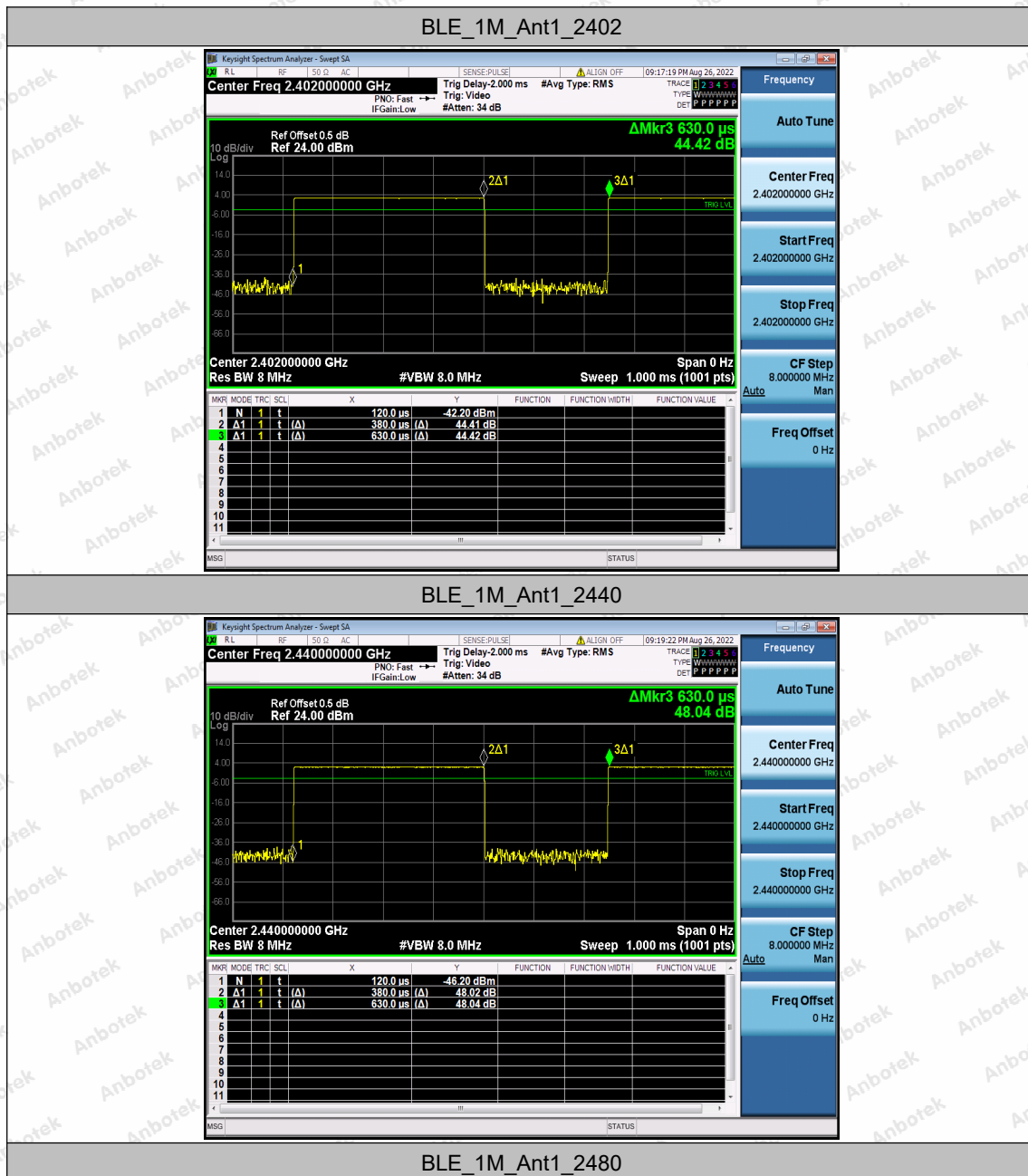
Appendix G: Duty Cycle

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



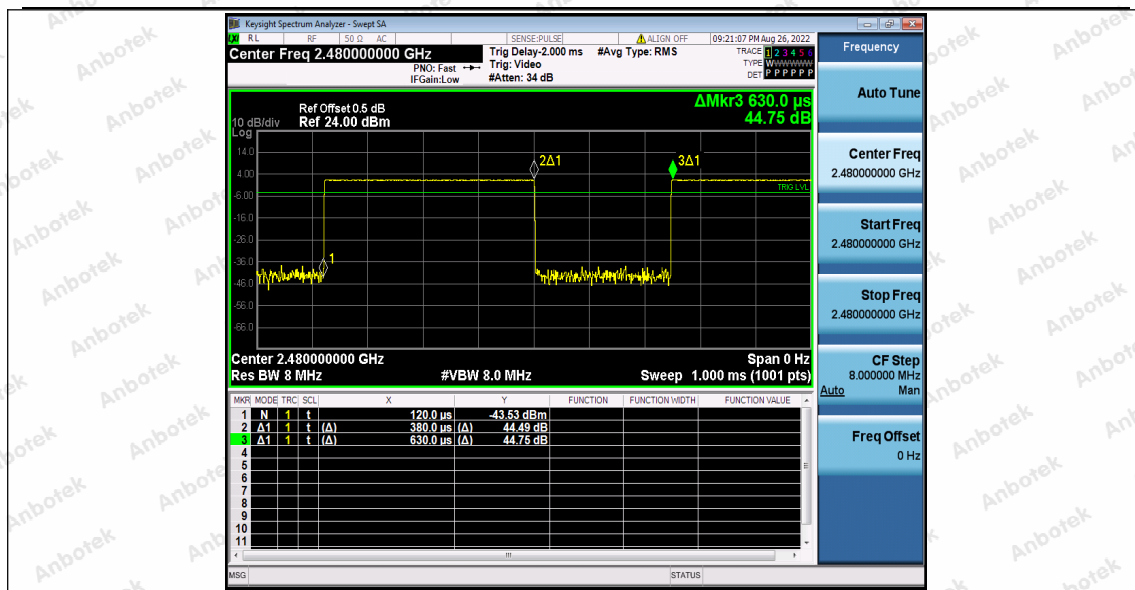
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