

Appendix Test Data

Report No.:	18220WC00199901	Test Sample No.:	1-2-2
Start Test Date:	2022.9.1	Finish Test Date:	2022.9.6
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

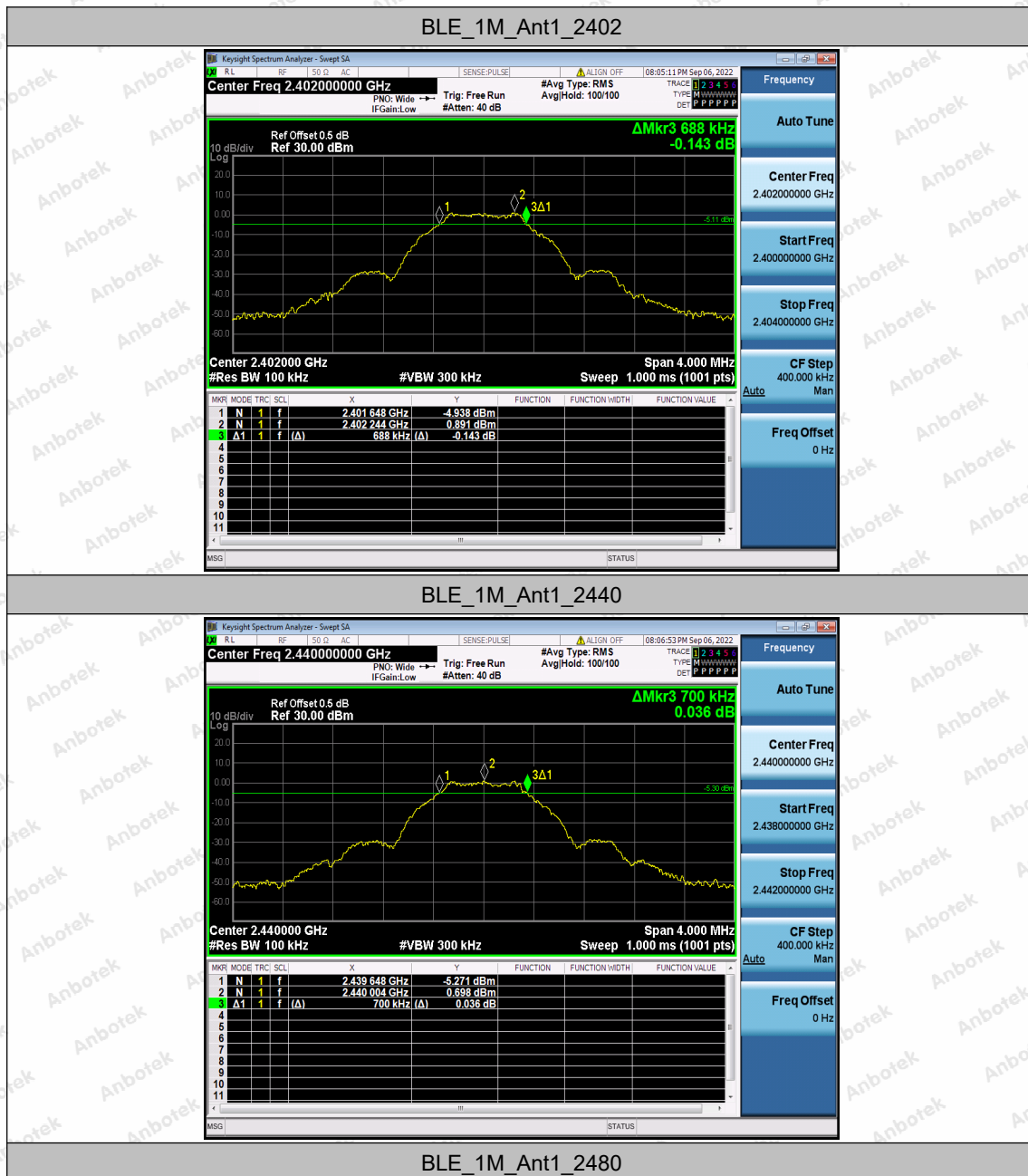
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.648	2402.336	0.5	PASS
		2440	0.700	2439.648	2440.348	0.5	PASS
		2480	0.704	2479.644	2480.348	0.5	PASS



Test Graphs



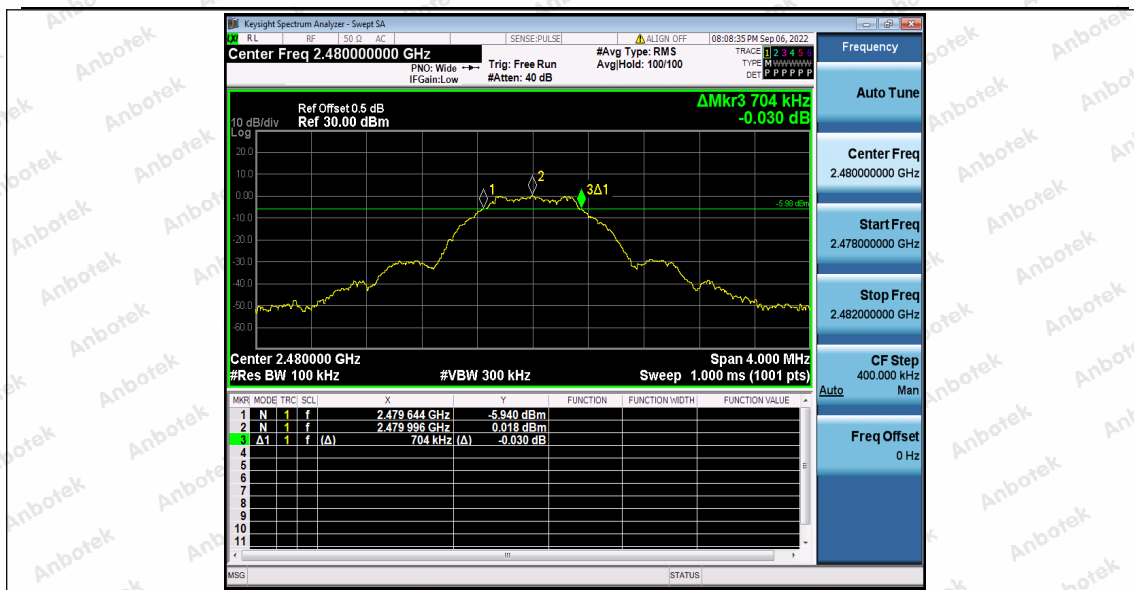
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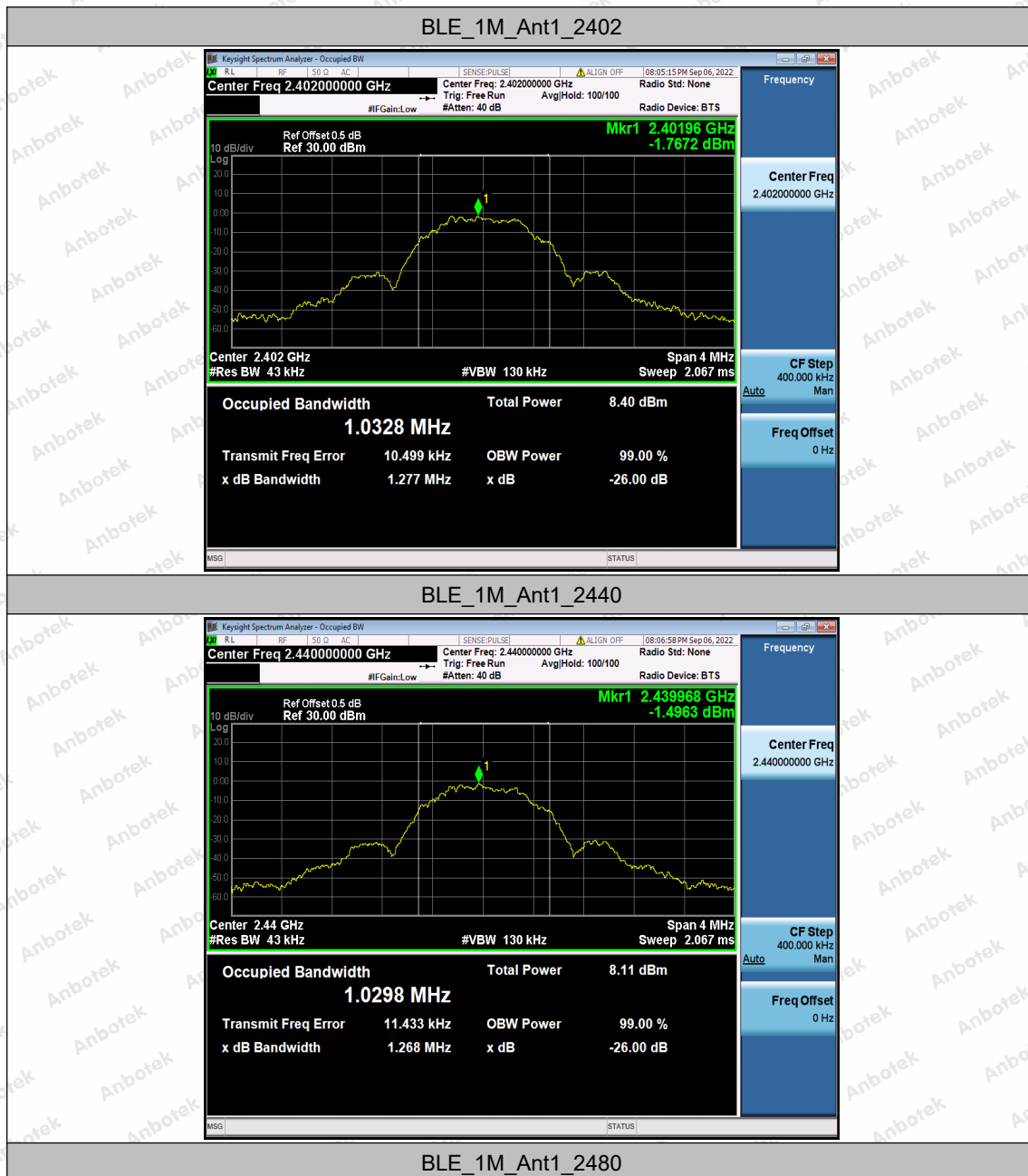
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0328	2401.4941	2402.5269
		2440	1.0298	2439.4965	2440.5263
		2480	1.0253	2479.4976	2480.5229



Test Graphs



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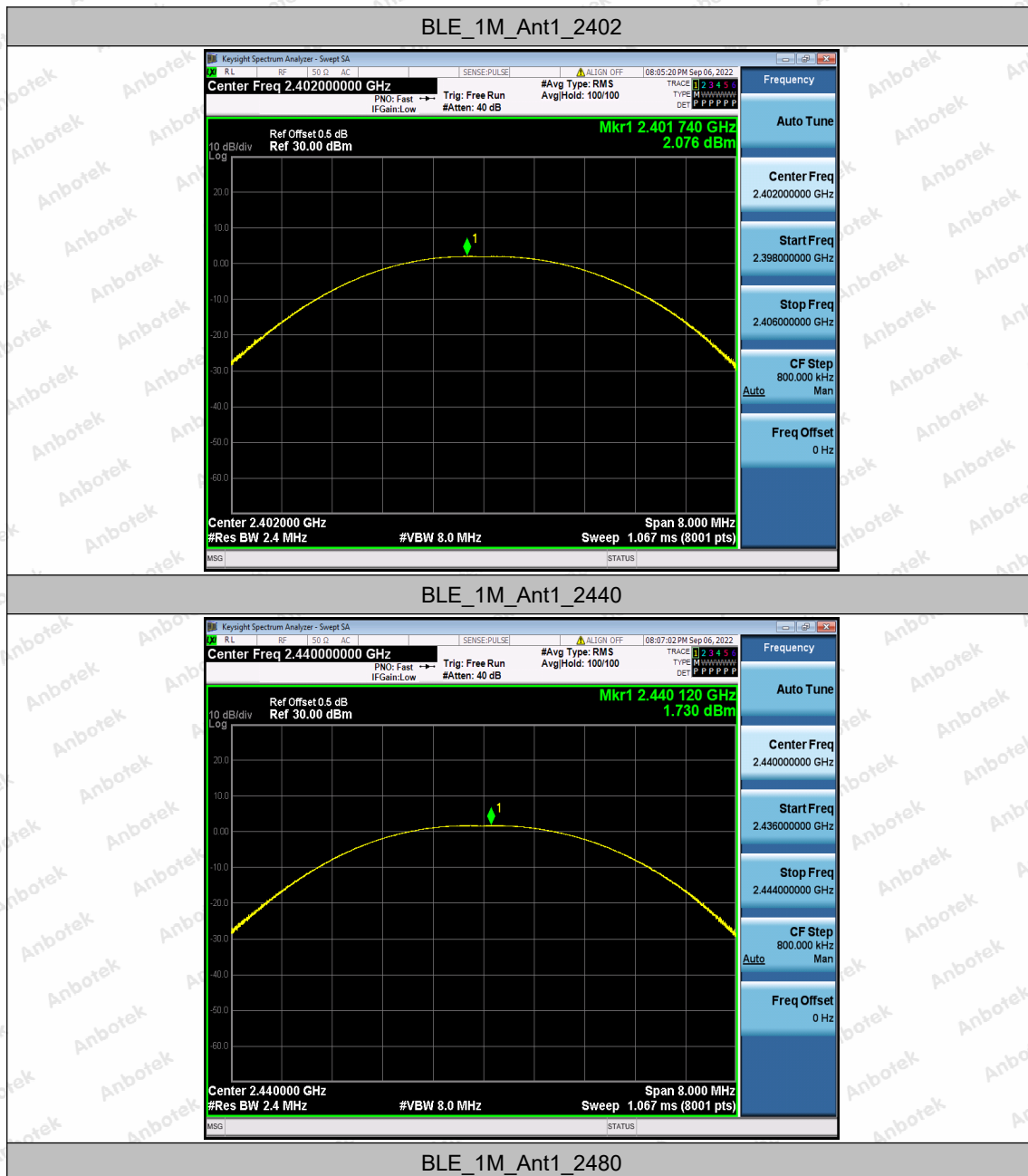
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.08	≤30	PASS
		2440	1.73	≤30	PASS
		2480	1.04	≤30	PASS



Test Graphs Peak



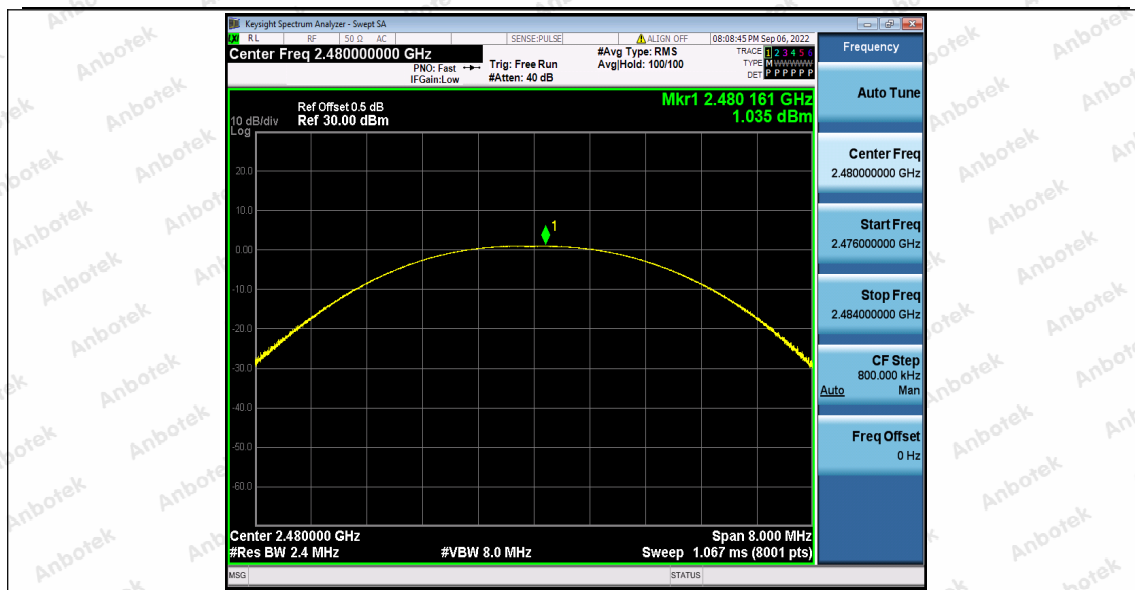
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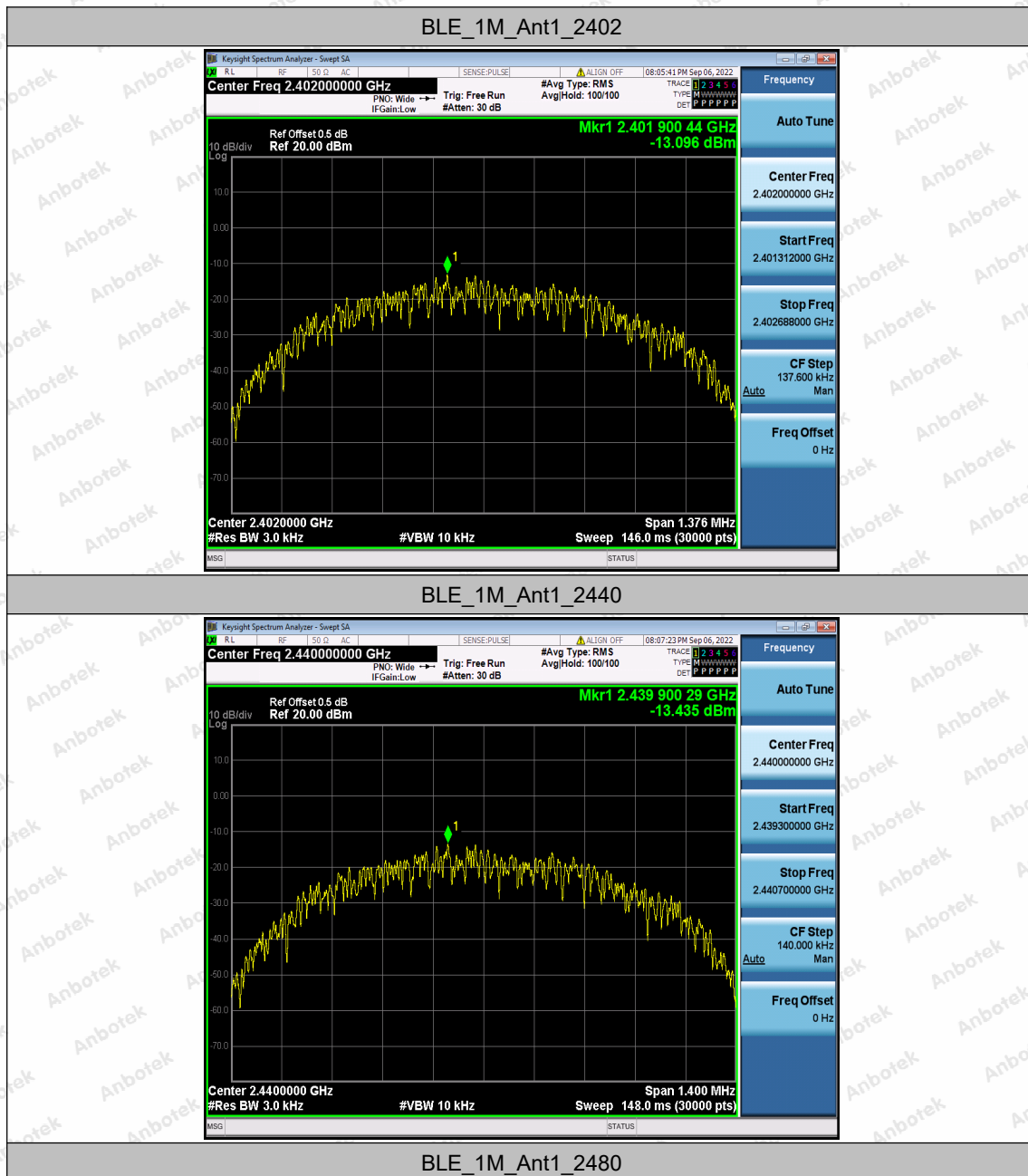
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.1	≤8.00	PASS
		2440	-13.44	≤8.00	PASS
		2480	-14.13	≤8.00	PASS



Test Graphs



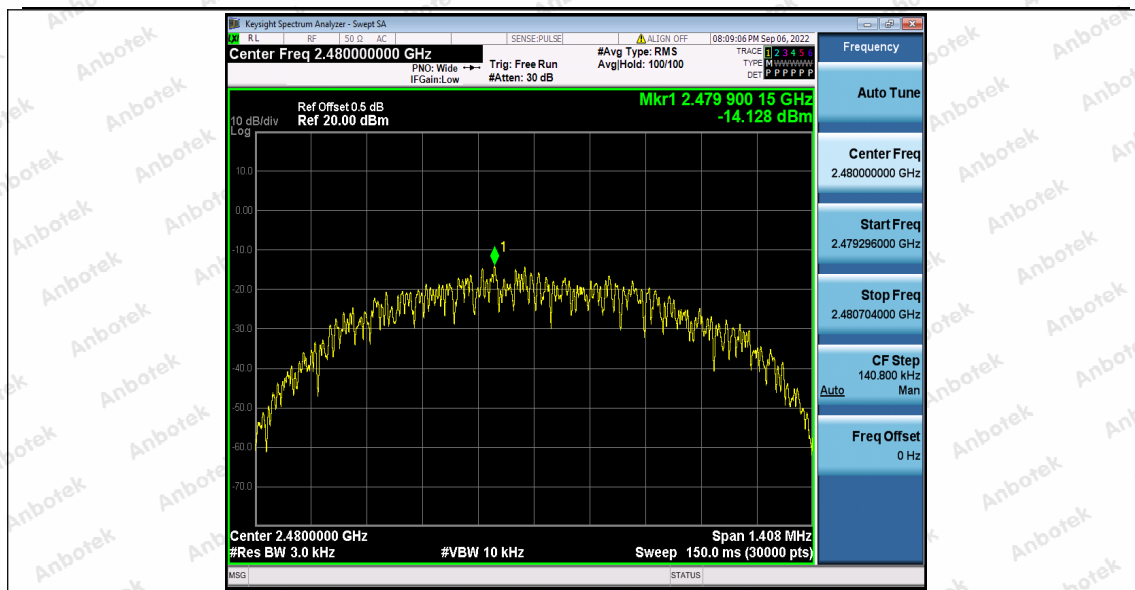
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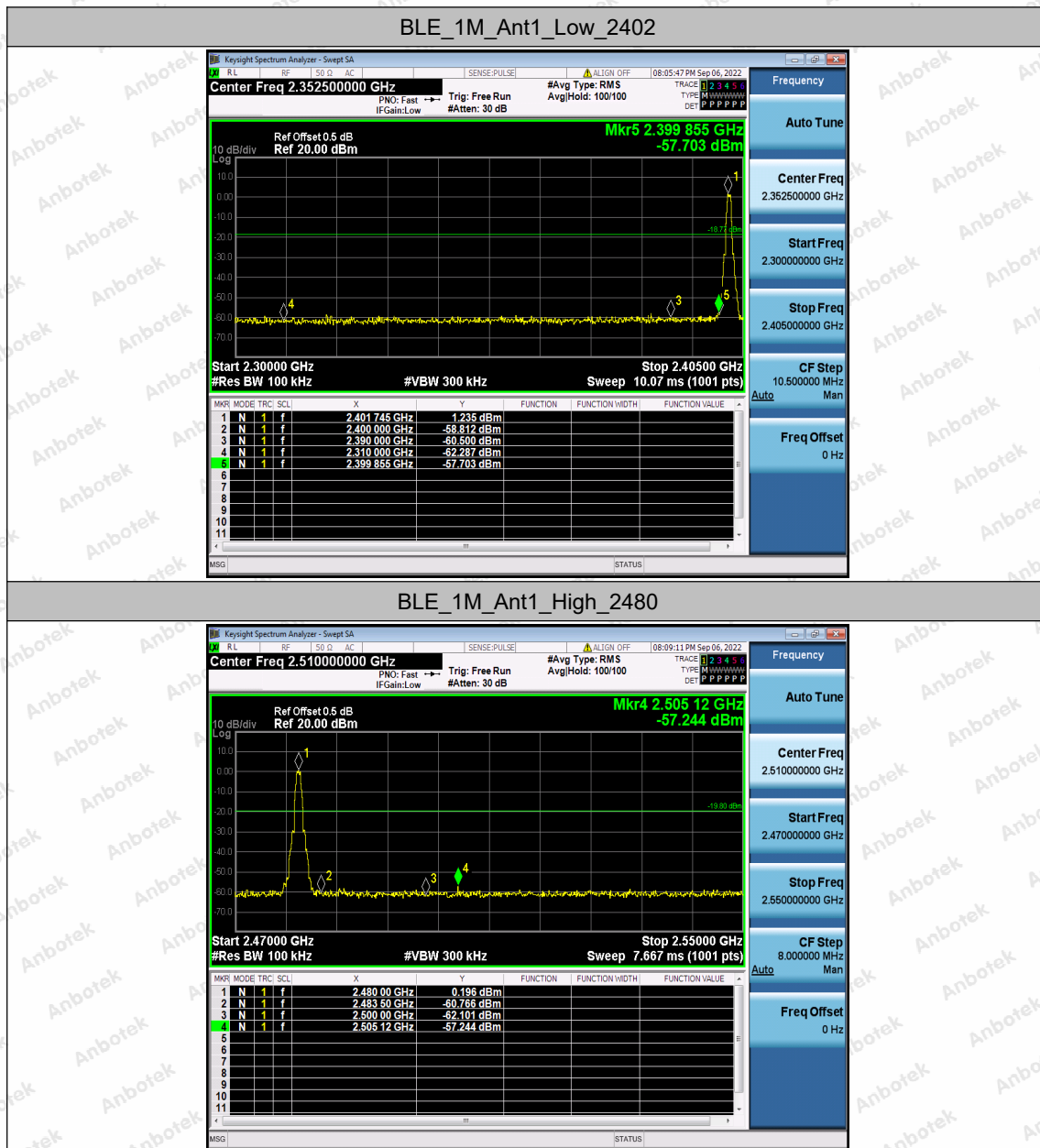
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.24	-57.7	≤-18.77	PASS
		High	2480	0.20	-57.24	≤-19.8	PASS



Test Graphs



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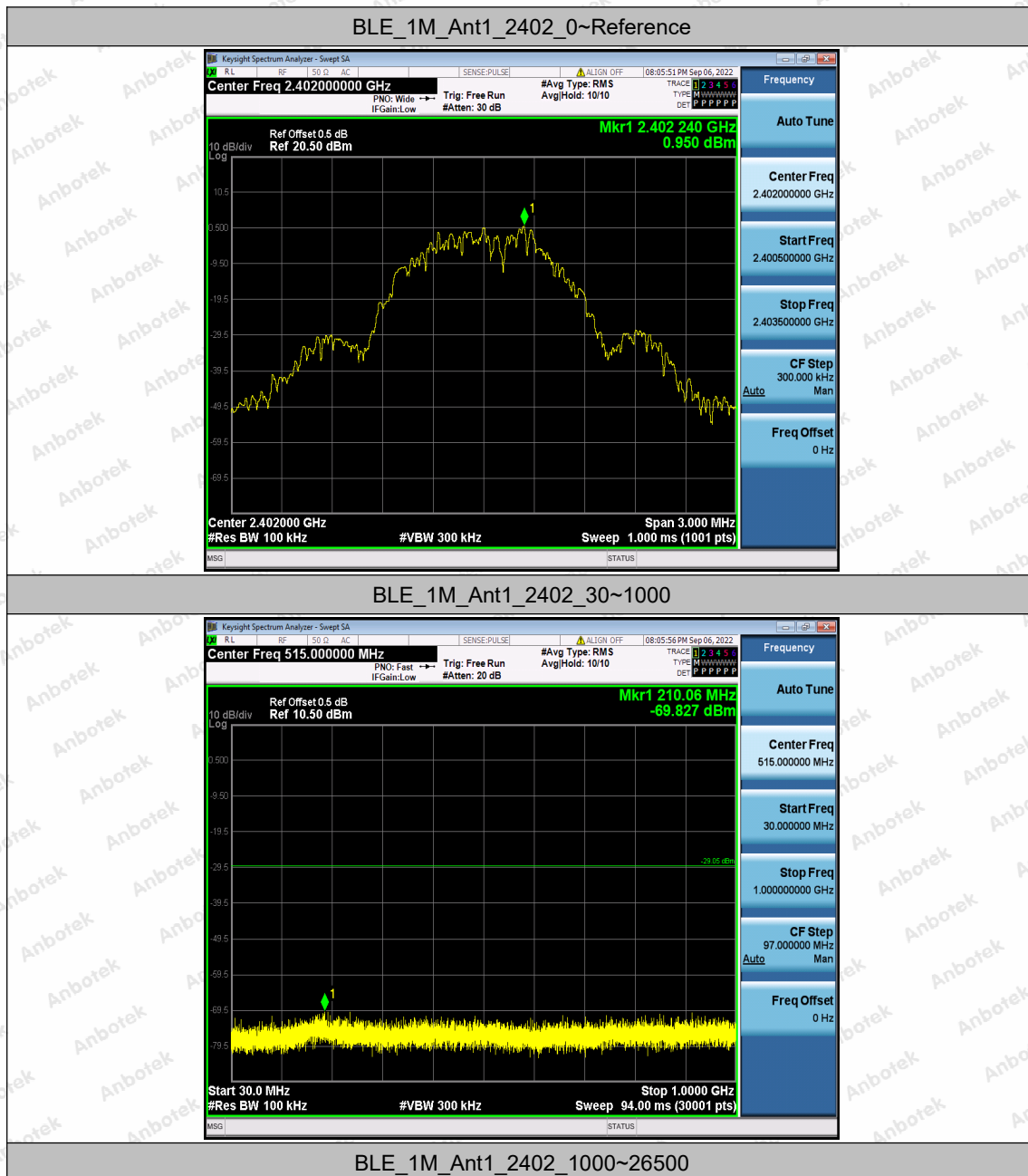
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.95	0.95	---	PASS
			30~1000	0.95	-69.83	≤-29.05	PASS
			1000~26500	0.95	-54.25	≤-29.05	PASS
		2440	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-69.57	≤-29.34	PASS
			1000~26500	0.66	-52.97	≤-29.34	PASS
		2480	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-69.56	≤-30.12	PASS
			1000~26500	-0.12	-54.15	≤-30.12	PASS



Test Graphs



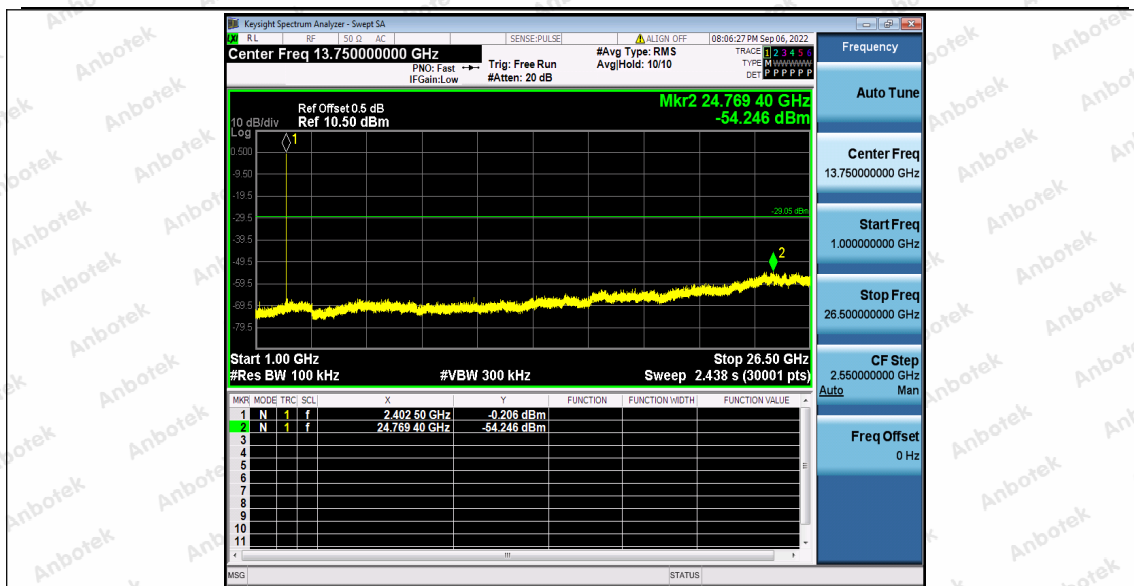
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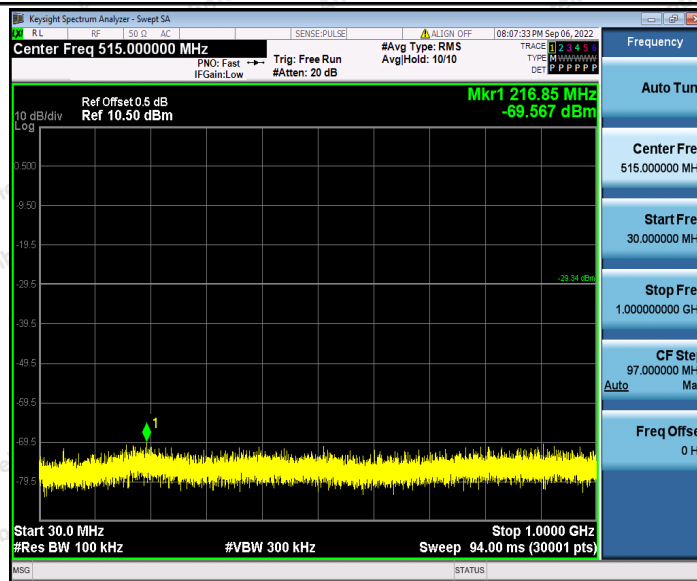


BLE_1M_Ant1_2440_0~Reference

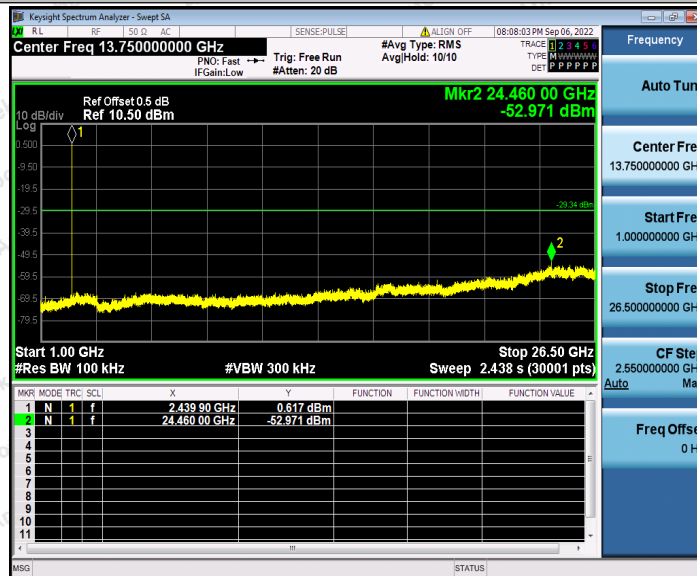


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

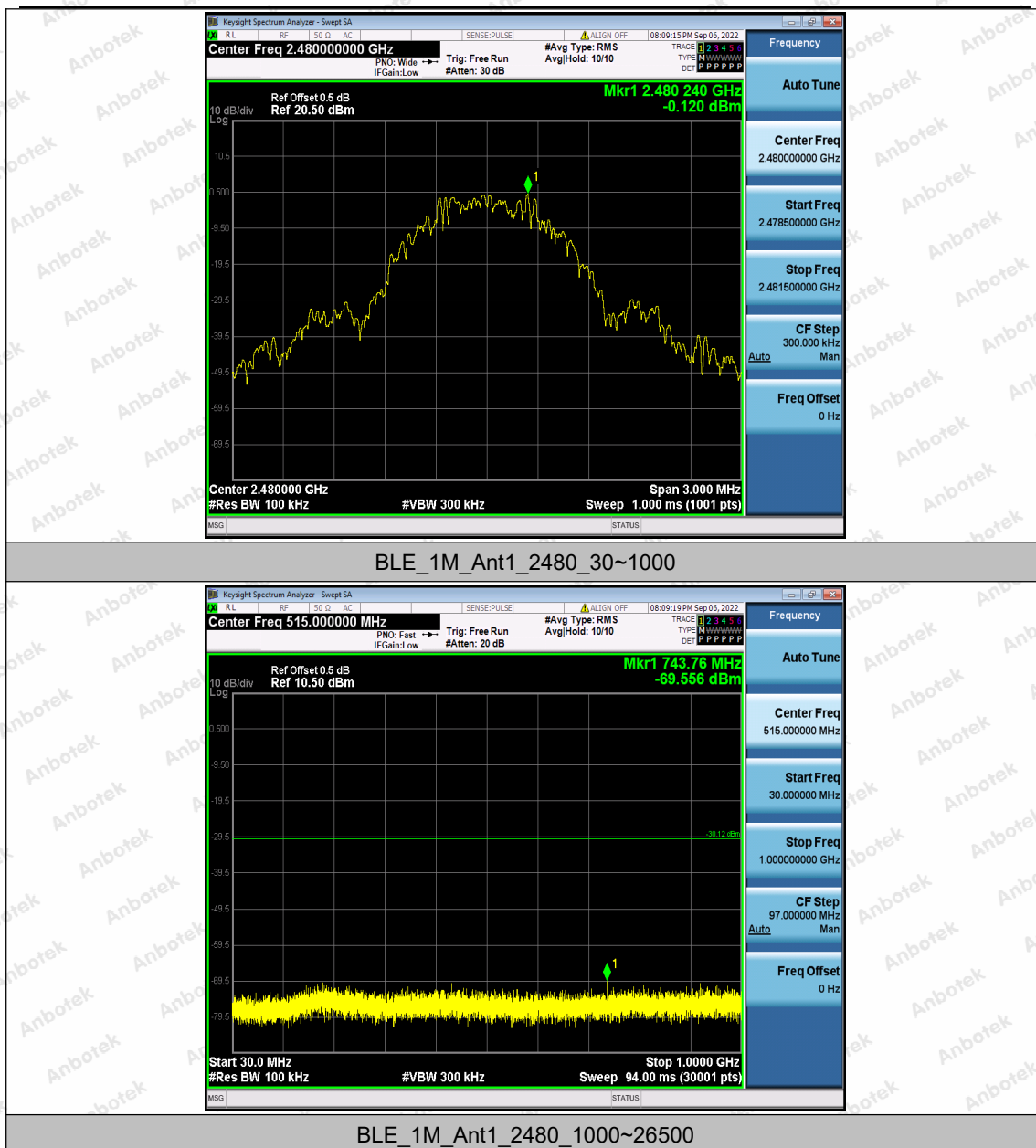
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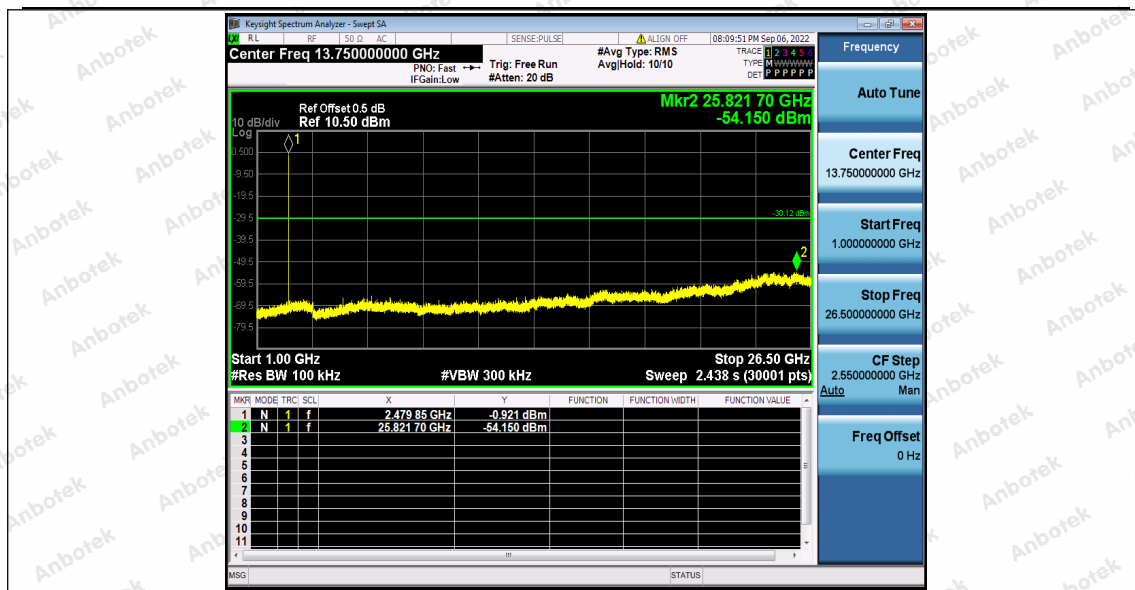
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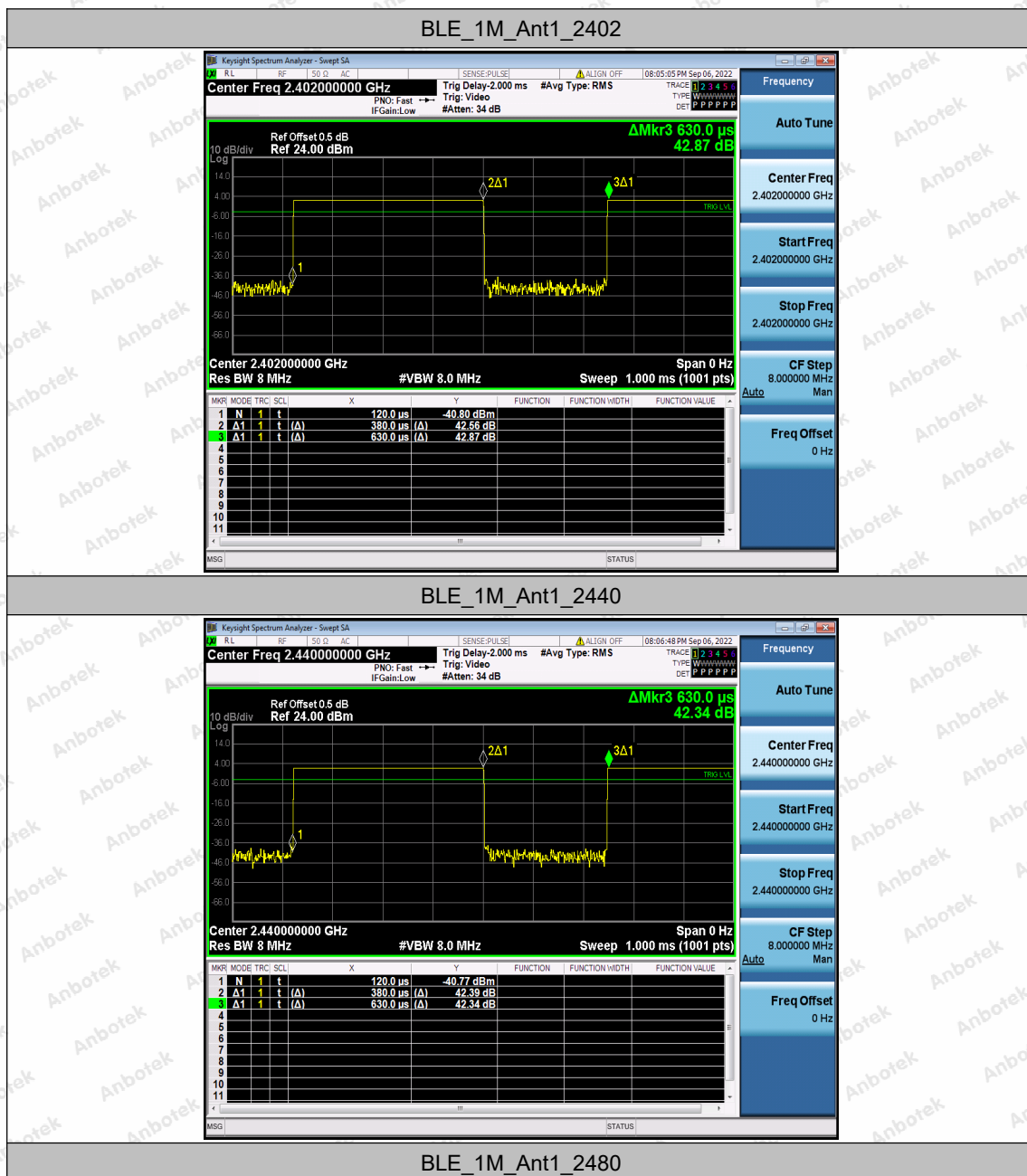
Appendix G: Duty Cycle

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



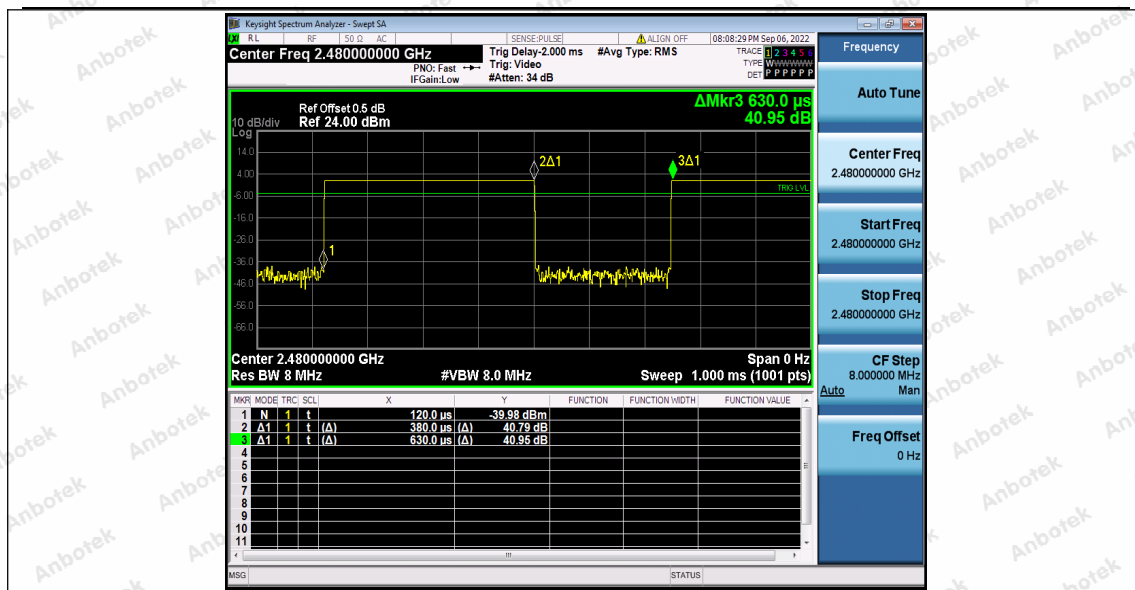
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