

Appendix Test Data

Report No.:	1812C40106712501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.25	Finish Test Date:	2024.10.25
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.672	2402.364	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.672	2440.368	0.5	PASS
BLE_1M	Ant1	2480	0.688	2479.680	2480.368	0.5	PASS



Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0313	2401.4968	2402.5281	---	---
BLE_1M	Ant1	2440	1.0386	2439.4935	2440.5321	---	---
BLE_1M	Ant1	2480	1.0414	2479.4915	2480.5329	---	---

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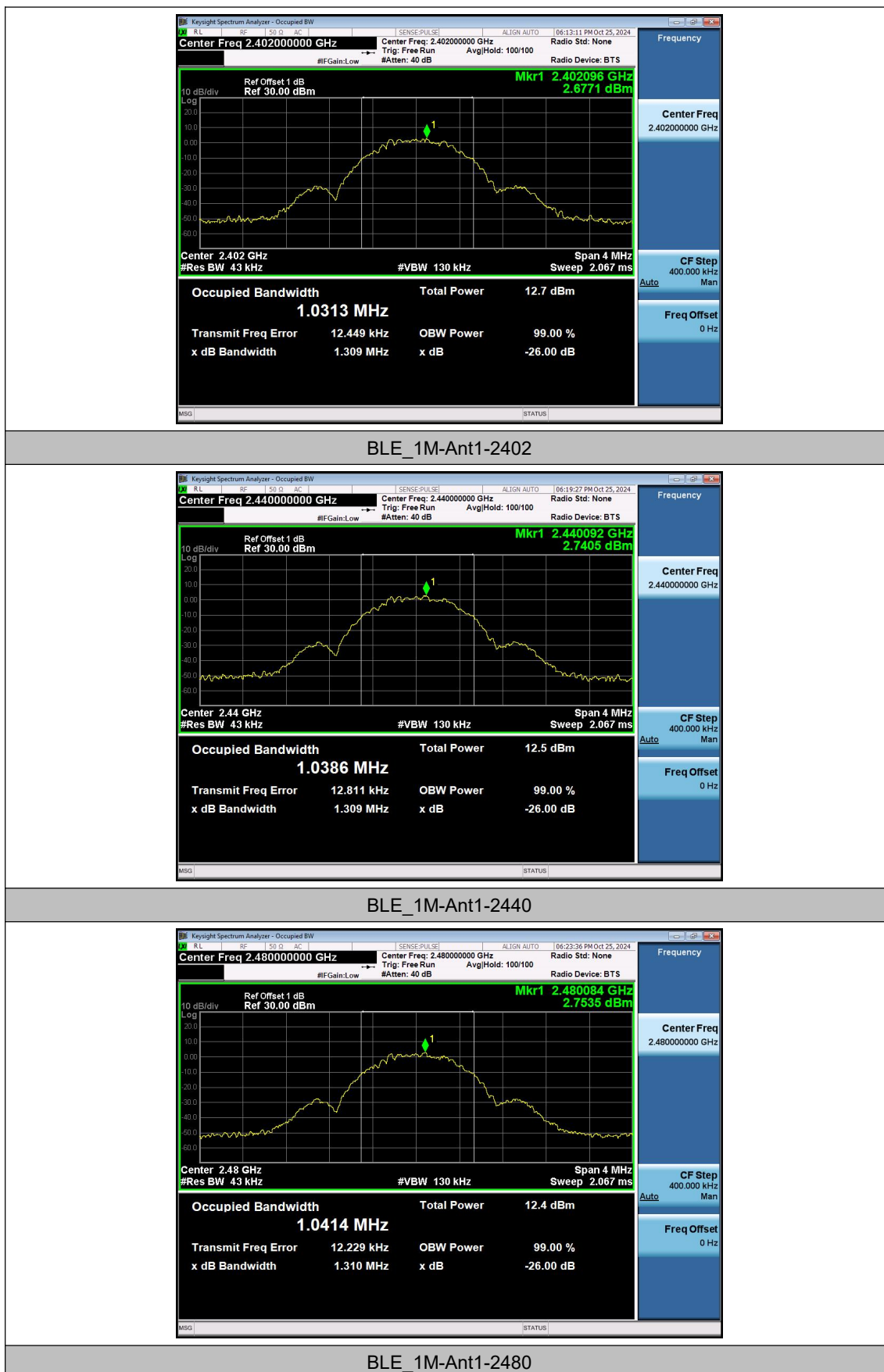
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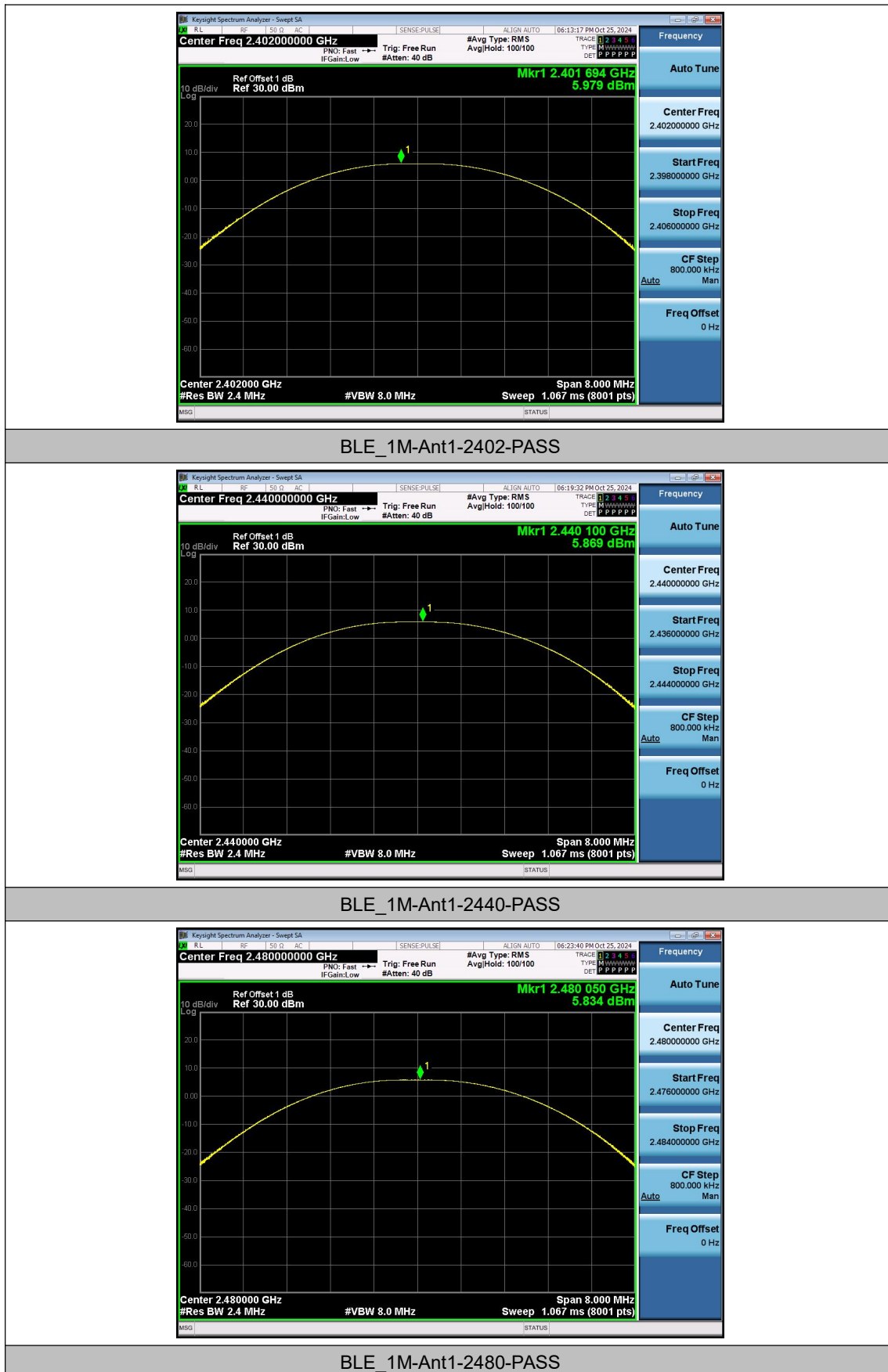
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.98	≤30	PASS
BLE_1M	Ant1	2440	5.87	≤30	PASS
BLE_1M	Ant1	2480	5.83	≤30	PASS



Test Graphs Peak



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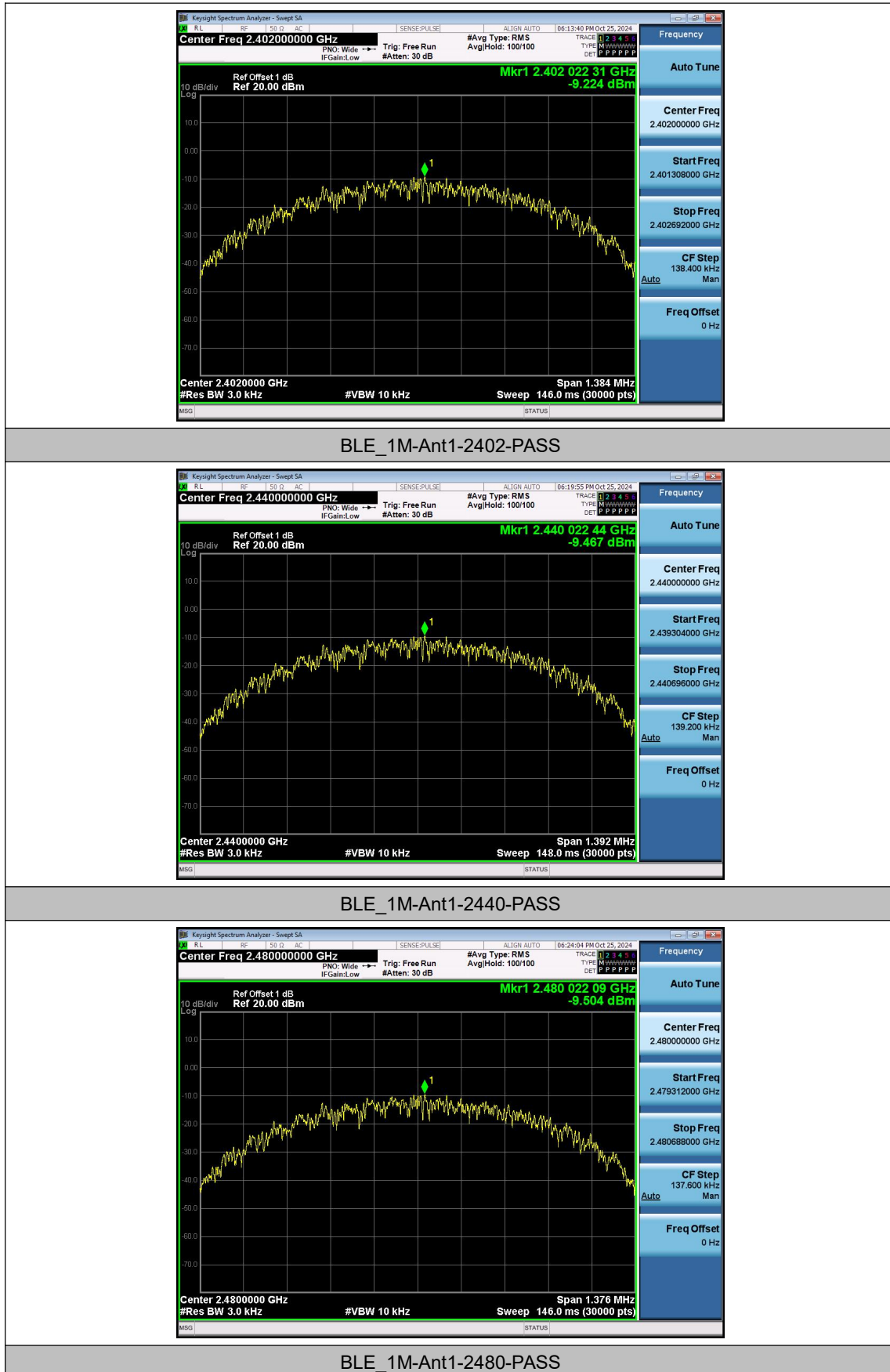
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.22	≤8.00	PASS
BLE_1M	Ant1	2440	-9.47	≤8.00	PASS
BLE_1M	Ant1	2480	-9.50	≤8.00	PASS



Test Graphs



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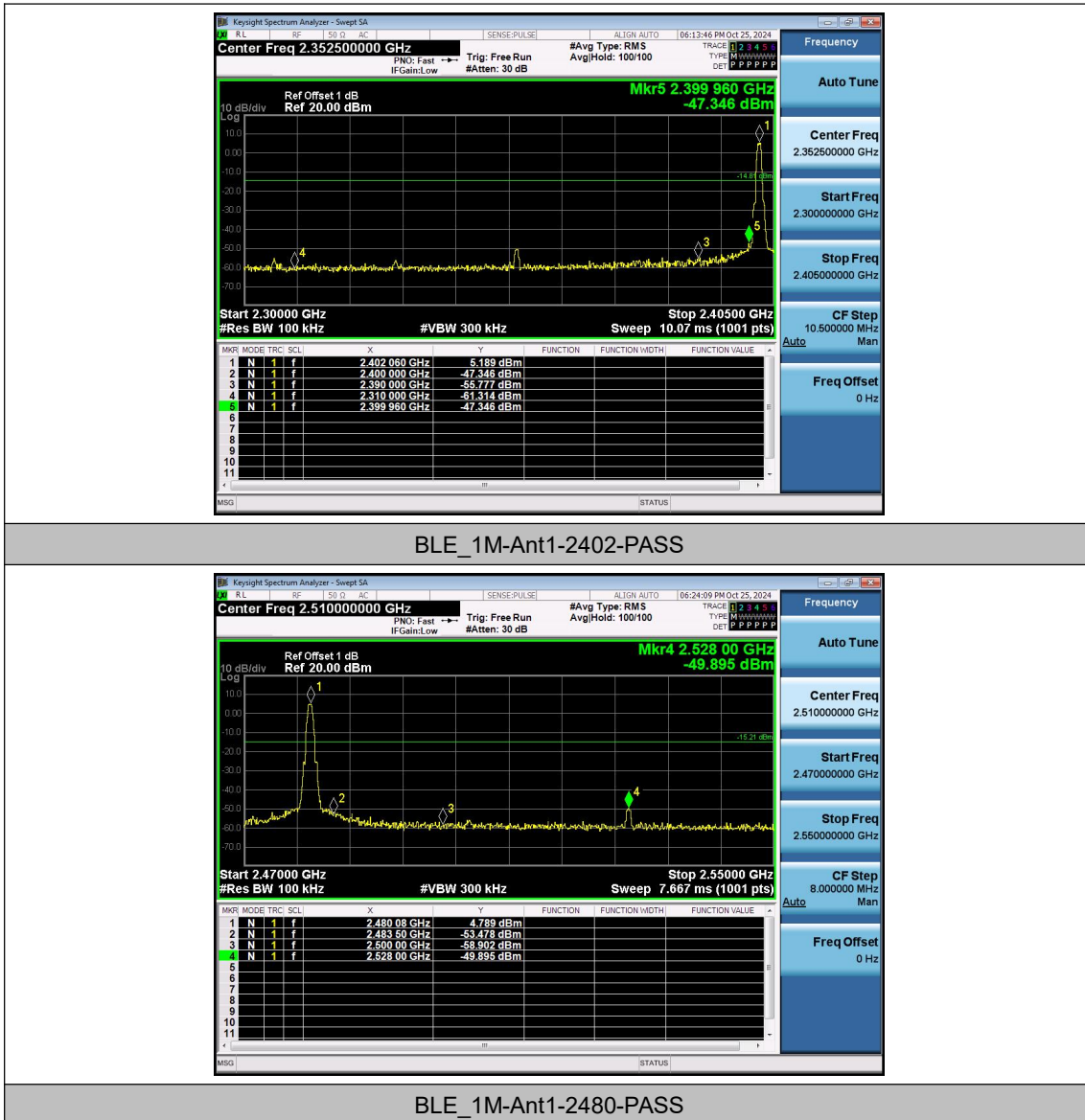
Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	5.19	-47.35	≤-14.81	PASS
BLE_1M	Ant1	High	2480	4.79	-49.9	≤-15.21	PASS



Test Graphs



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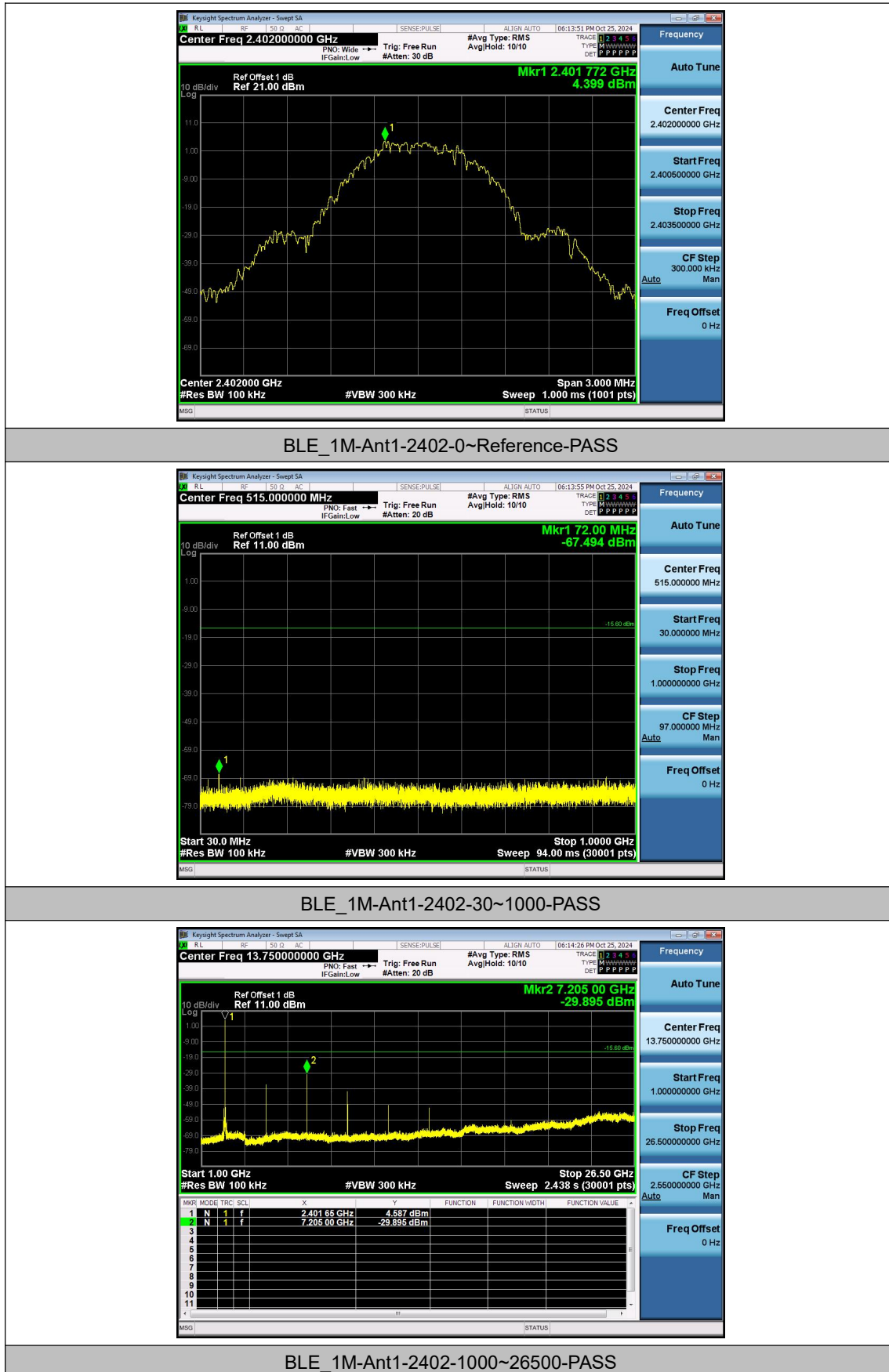
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.40	4.40	---	PASS
BLE_1M	Ant1	2402	30~1000	4.40	-67.49	≤-15.6	PASS
BLE_1M	Ant1	2402	1000~26500	4.40	-29.9	≤-15.6	PASS
BLE_1M	Ant1	2440	0~Reference	4.66	4.66	---	PASS
BLE_1M	Ant1	2440	30~1000	4.66	-67.49	≤-15.34	PASS
BLE_1M	Ant1	2440	1000~26500	4.66	-30.9	≤-15.34	PASS
BLE_1M	Ant1	2480	0~Reference	4.22	4.22	---	PASS
BLE_1M	Ant1	2480	30~1000	4.22	-67.62	≤-15.78	PASS
BLE_1M	Ant1	2480	1000~26500	4.22	-31.74	≤-15.78	PASS



Test Graphs



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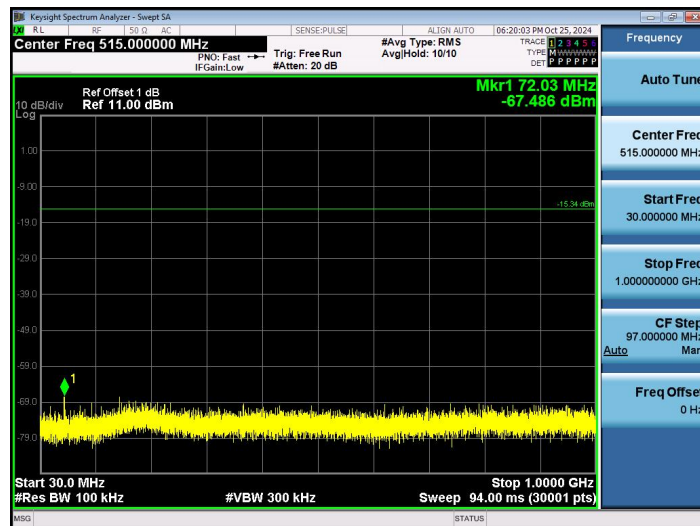
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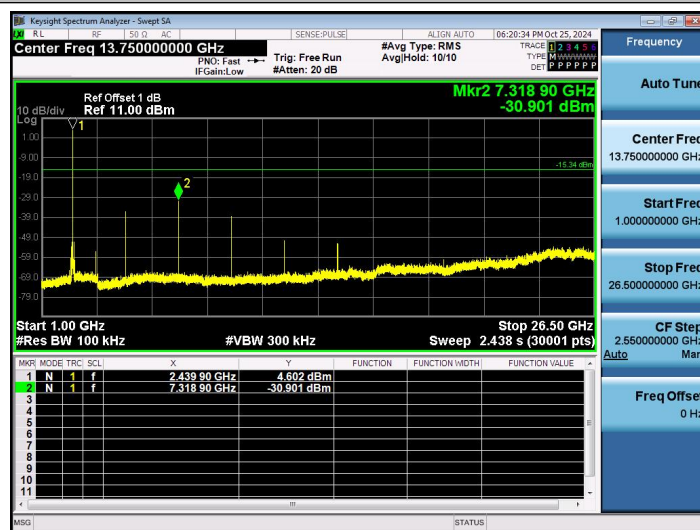




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

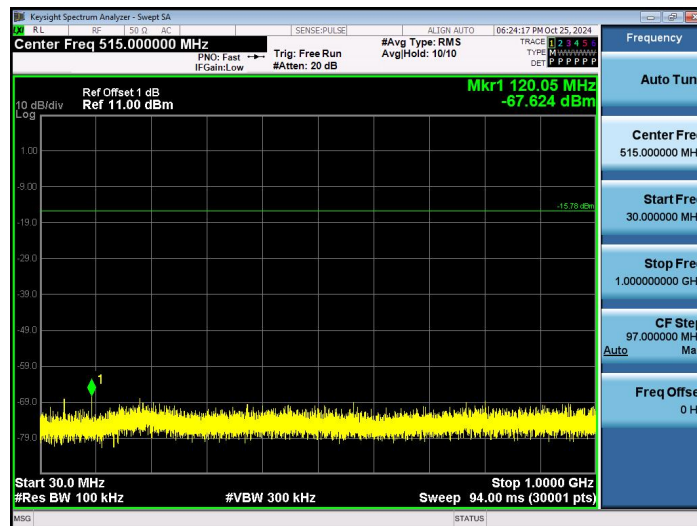


BLE_1M-Ant1-2440-1000~26500-PASS

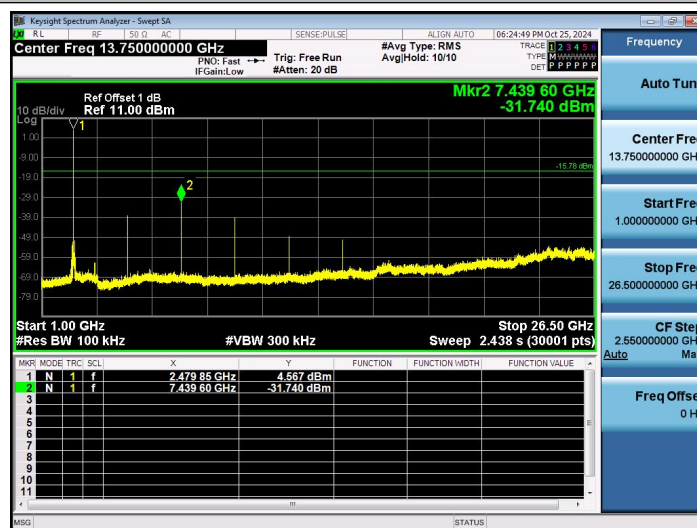




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

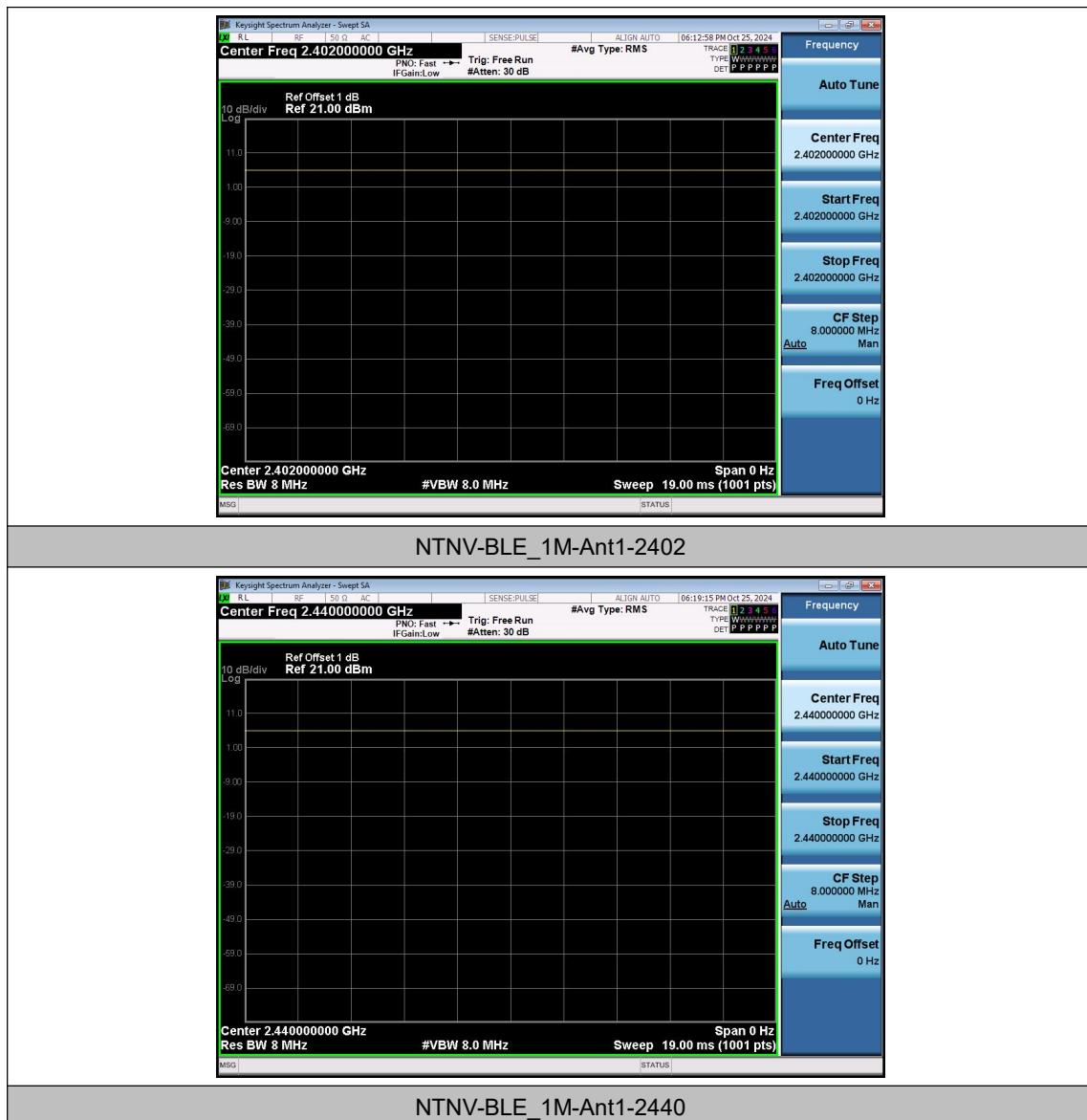


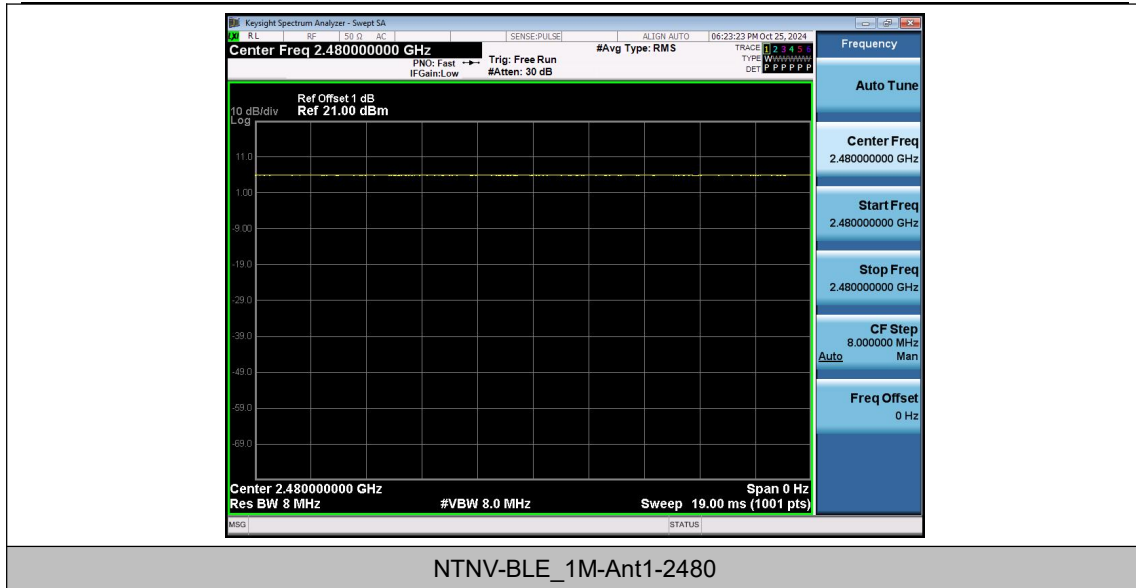
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.00	0.00	100	NaN
BLE_1M	Ant1	2440	0.00	0.00	100	NaN
BLE_1M	Ant1	2480	0.00	0.00	100	NaN

Test Graphs





---End---

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