

Appendix Test Data

Report No.:	1811C40021912501	Test Sample No.:	1-2-2
Start Test Date:	2024.9.7	Finish Test Date:	2024.9.7
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	56%
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	2401.660	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.668	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.700	2479.660	2480.360	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	1.0843	2401.4490	2402.5333	---	---
BLE_1M	Ant1	2440	1.0675	2439.4620	2440.5295	---	---
BLE_1M	Ant1	2480	1.0676	2479.4709	2480.5385	---	---

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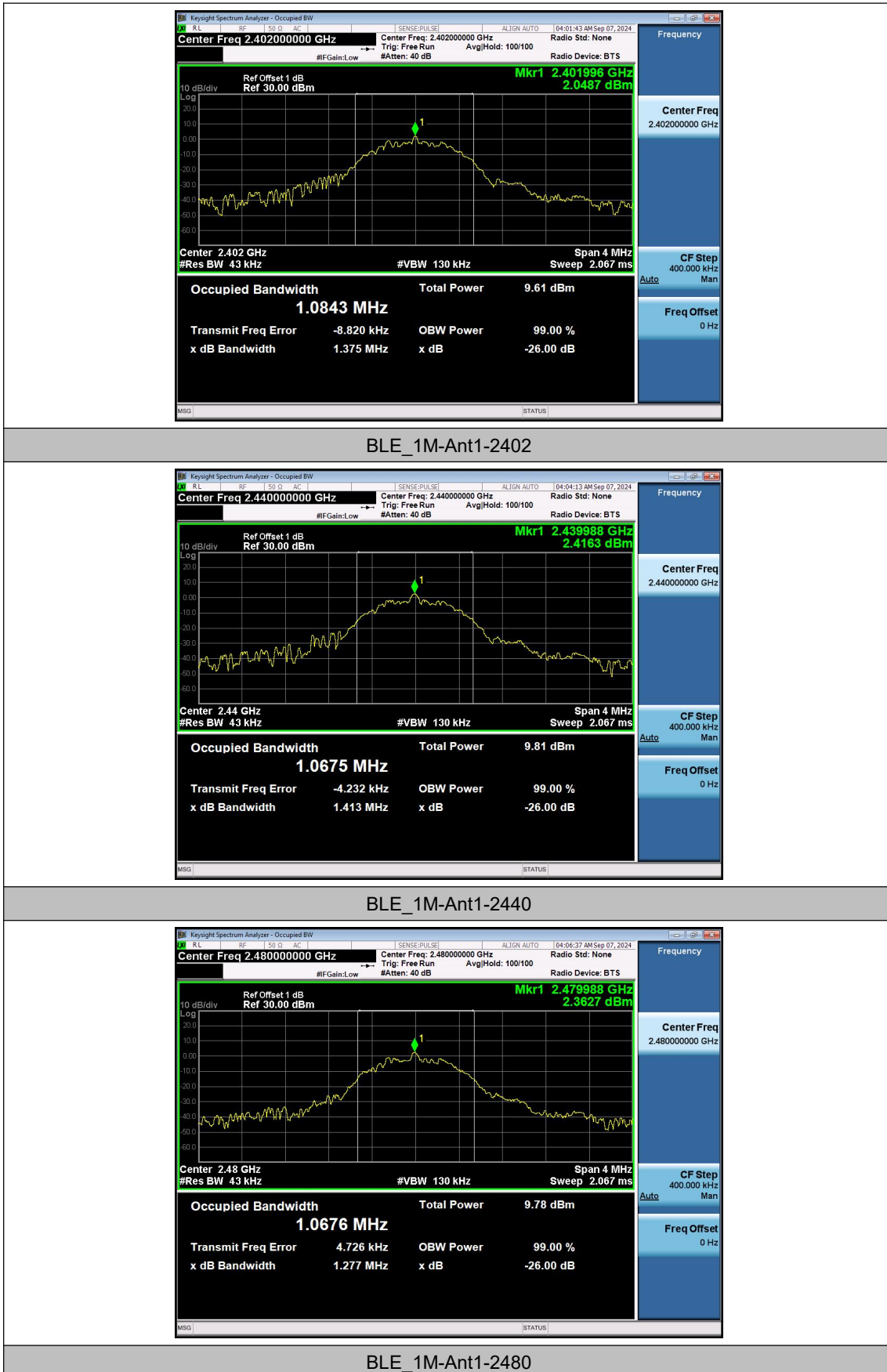
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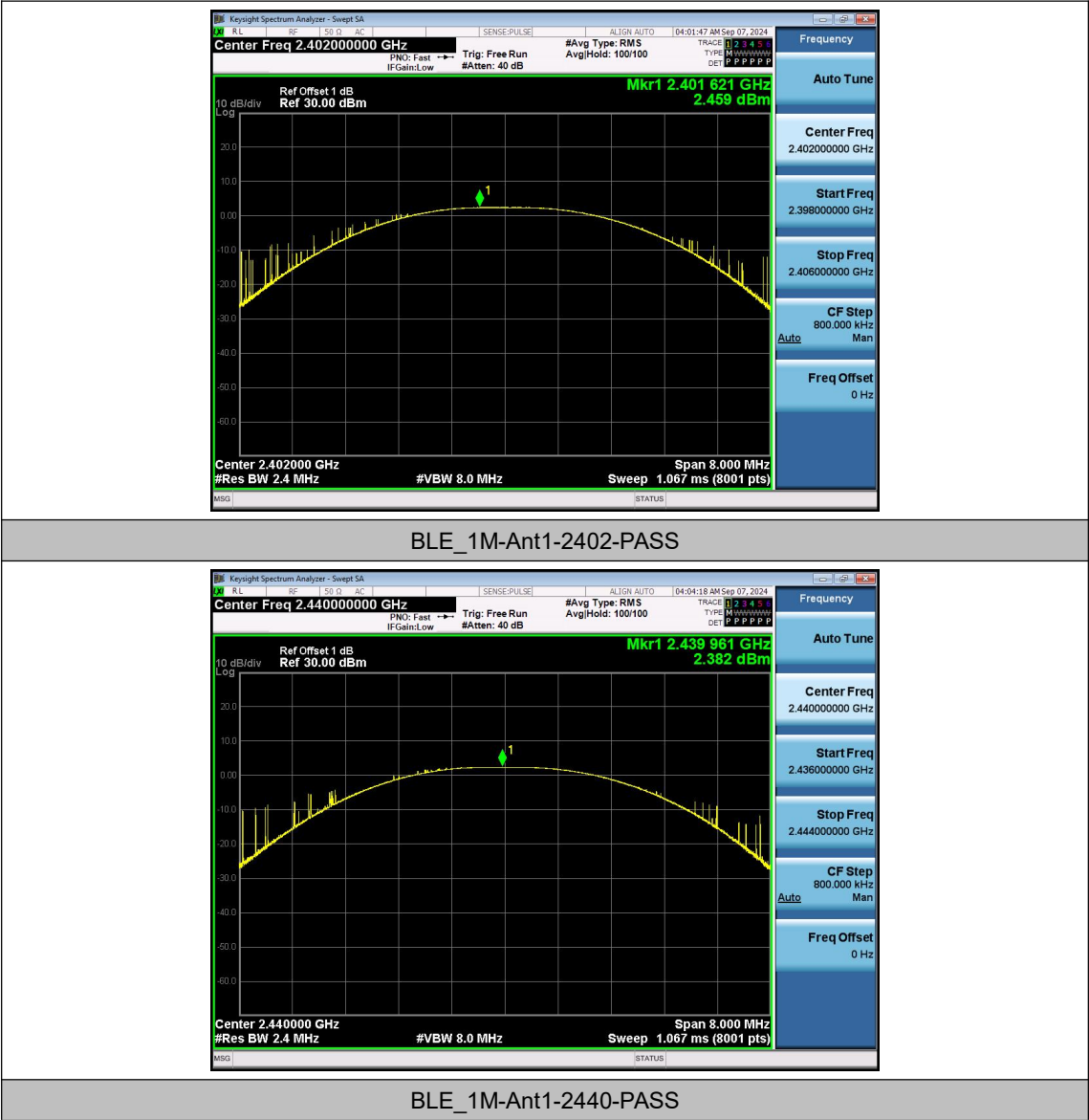


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.46	≤30	PASS
BLE_1M	Ant1	2440	2.38	≤30	PASS
BLE_1M	Ant1	2480	2.45	≤30	PASS

Test Graphs Peak





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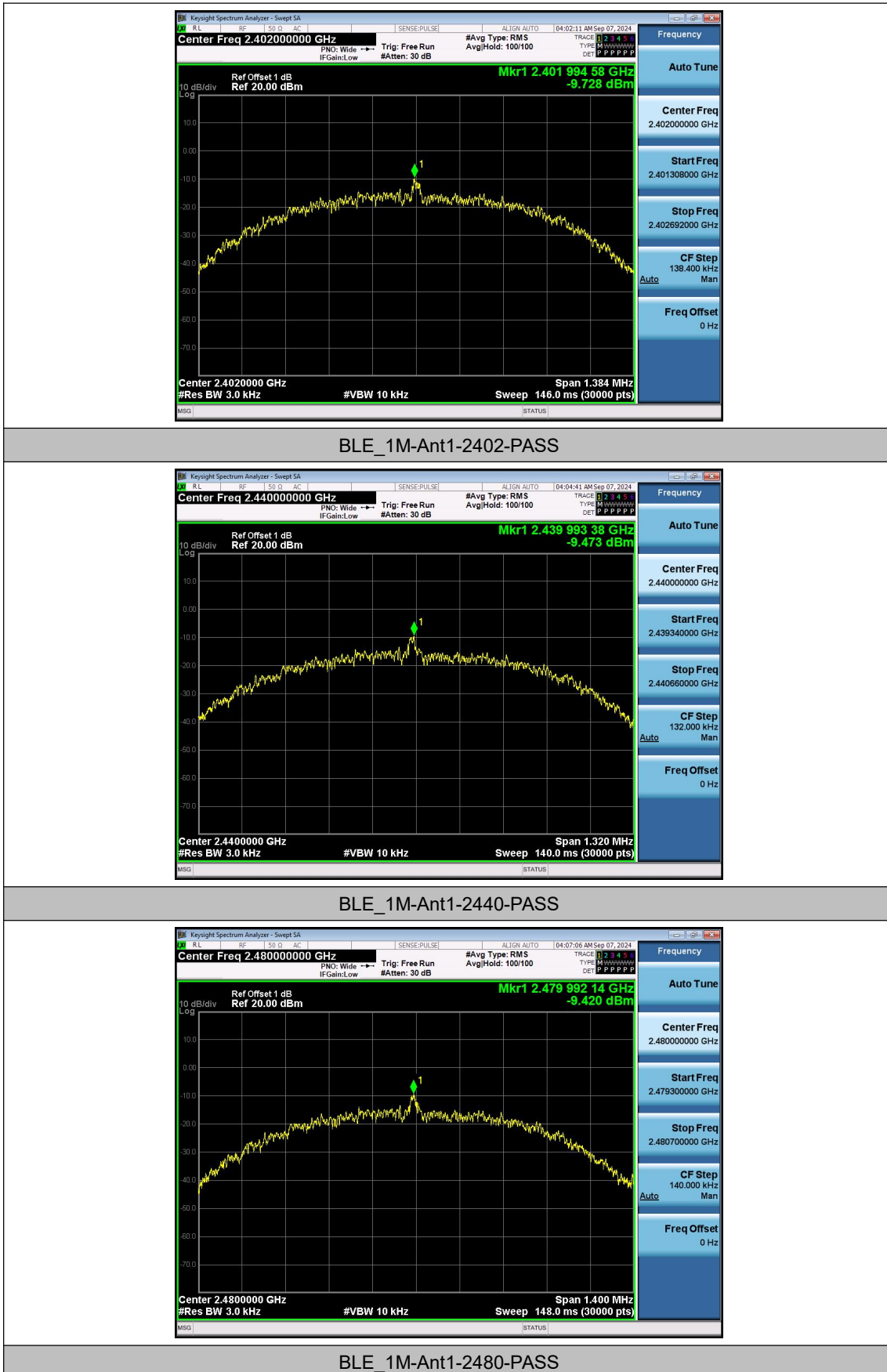
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.73	≤8.00	PASS
BLE_1M	Ant1	2440	-9.47	≤8.00	PASS
BLE_1M	Ant1	2480	-9.42	≤8.00	PASS



Test Graphs



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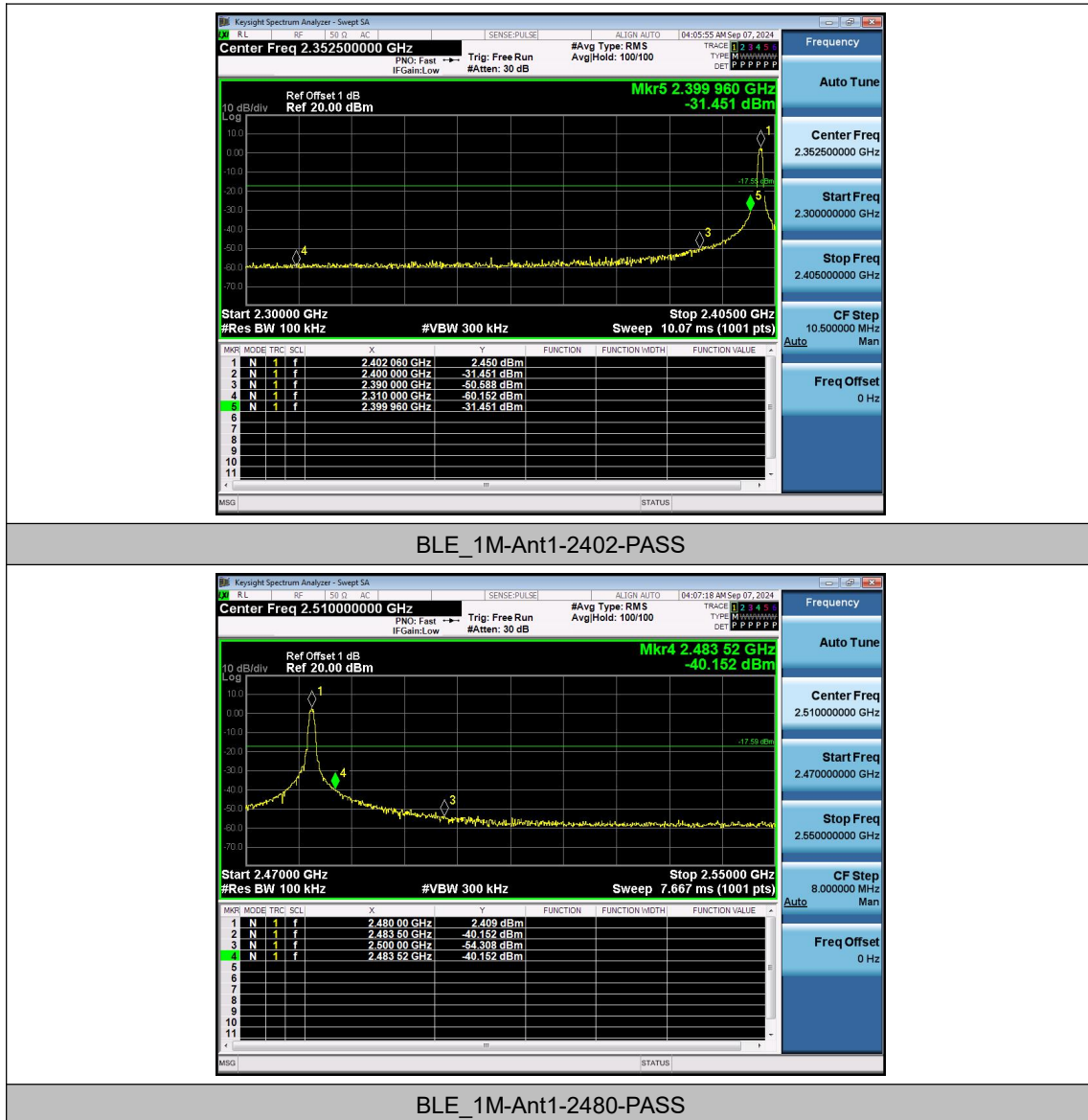
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.45	-31.45	≤-17.55	PASS
BLE_1M	Ant1	High	2480	2.41	-40.15	≤-17.59	PASS



Test Graphs



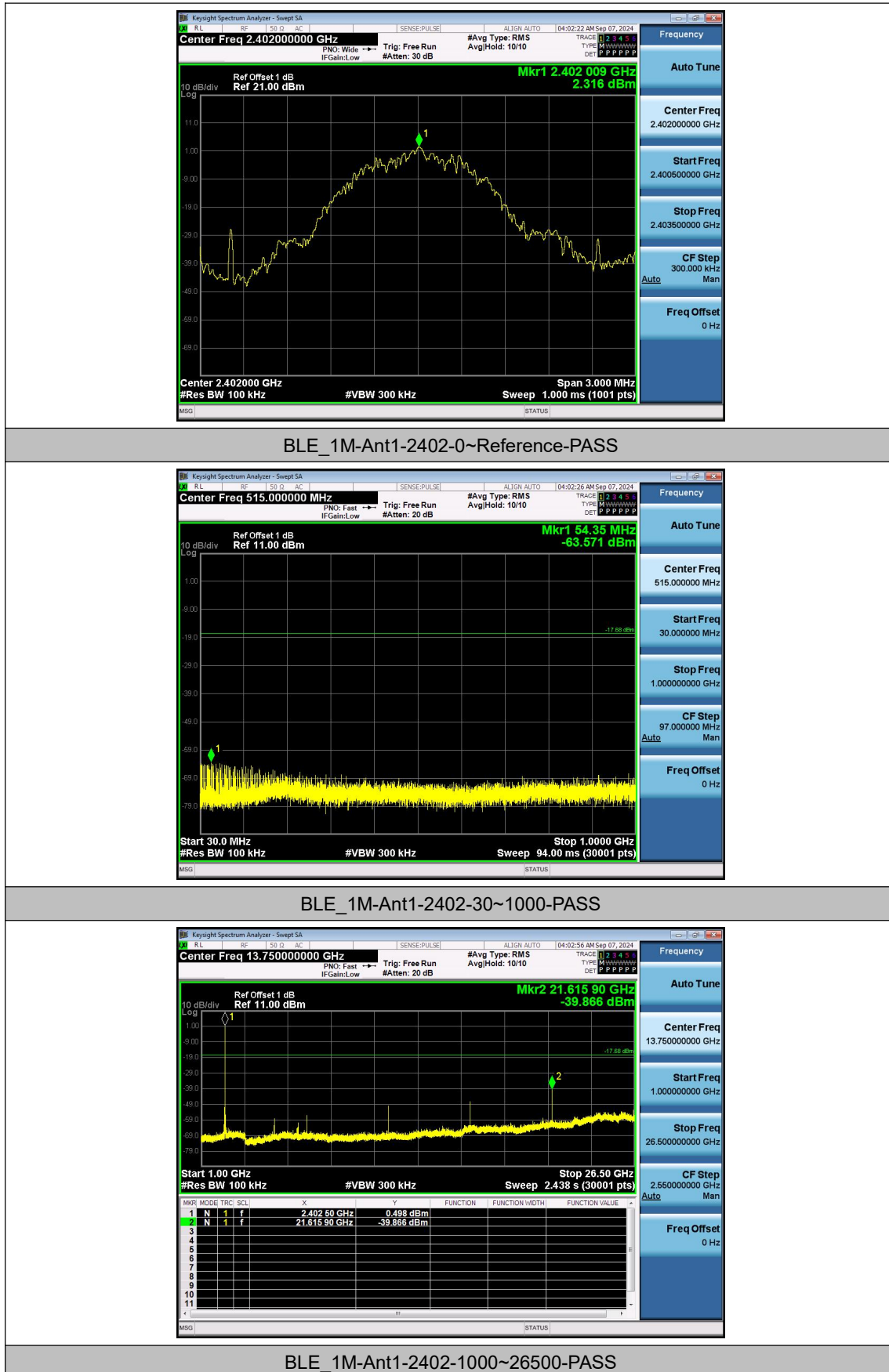
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.32	2.32	---	PASS
BLE_1M	Ant1	2402	30~1000	2.32	-63.57	≤-17.68	PASS
BLE_1M	Ant1	2402	1000~26500	2.32	-39.87	≤-17.68	PASS
BLE_1M	Ant1	2440	0~Reference	0.49	0.49	---	PASS
BLE_1M	Ant1	2440	30~1000	0.49	-63.2	≤-19.51	PASS
BLE_1M	Ant1	2440	1000~26500	0.49	-42.28	≤-19.51	PASS
BLE_1M	Ant1	2480	0~Reference	-0.08	-0.08	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.08	-63.19	≤-20.08	PASS
BLE_1M	Ant1	2480	1000~26500	-0.08	-38.16	≤-20.08	PASS



Test Graphs

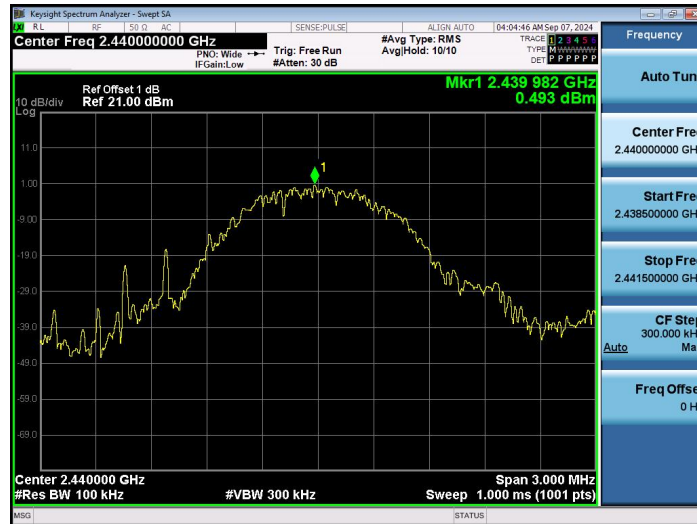


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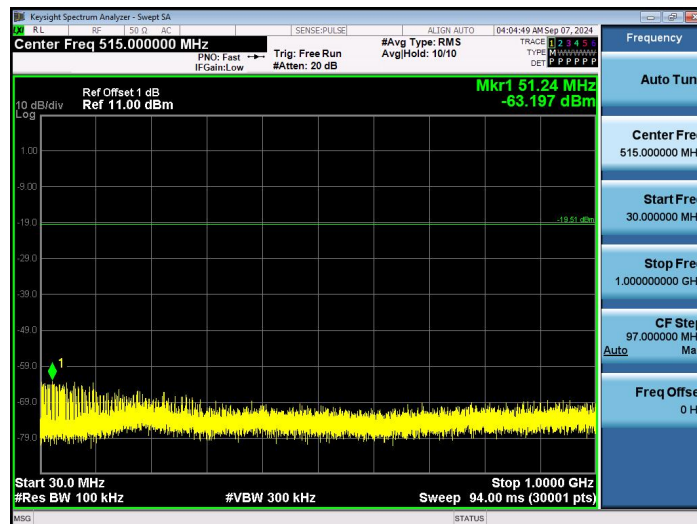
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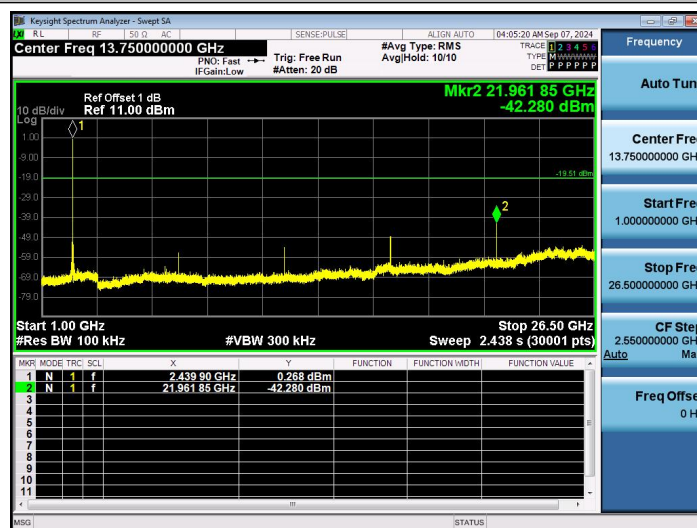




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

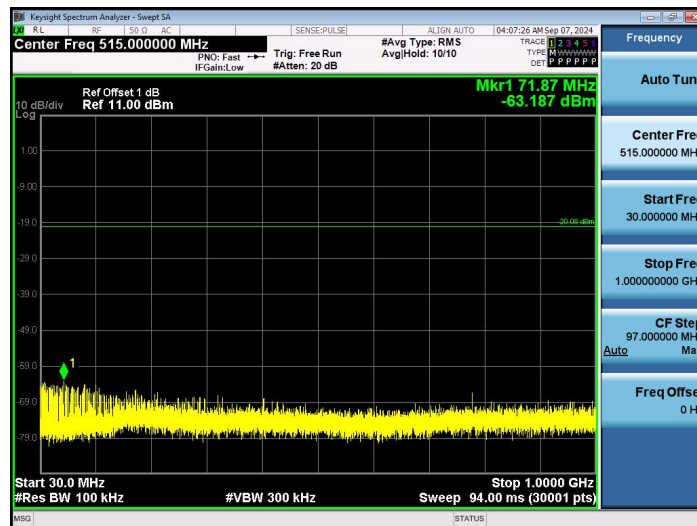


BLE_1M-Ant1-2440-1000~26500-PASS

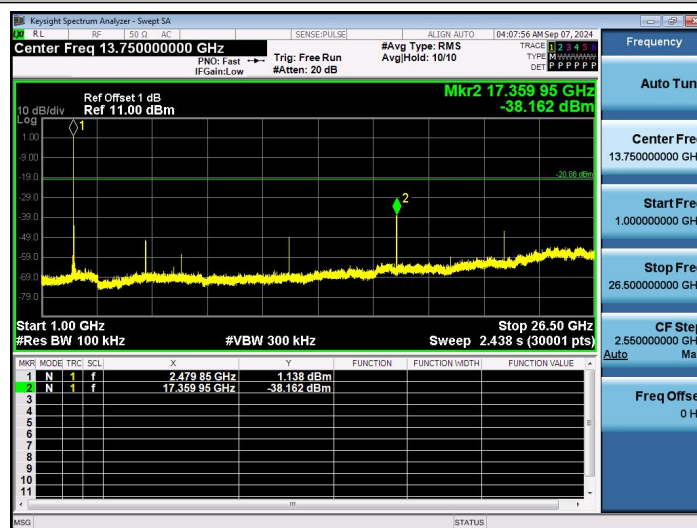




BLE_1M-Ant1-2480-0~Reference-PASS



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	1.68	1.88	89.36	0.49
BLE_1M	Ant1	2440	1.68	1.88	89.36	0.49
BLE_1M	Ant1	2480	1.68	1.88	89.36	0.49

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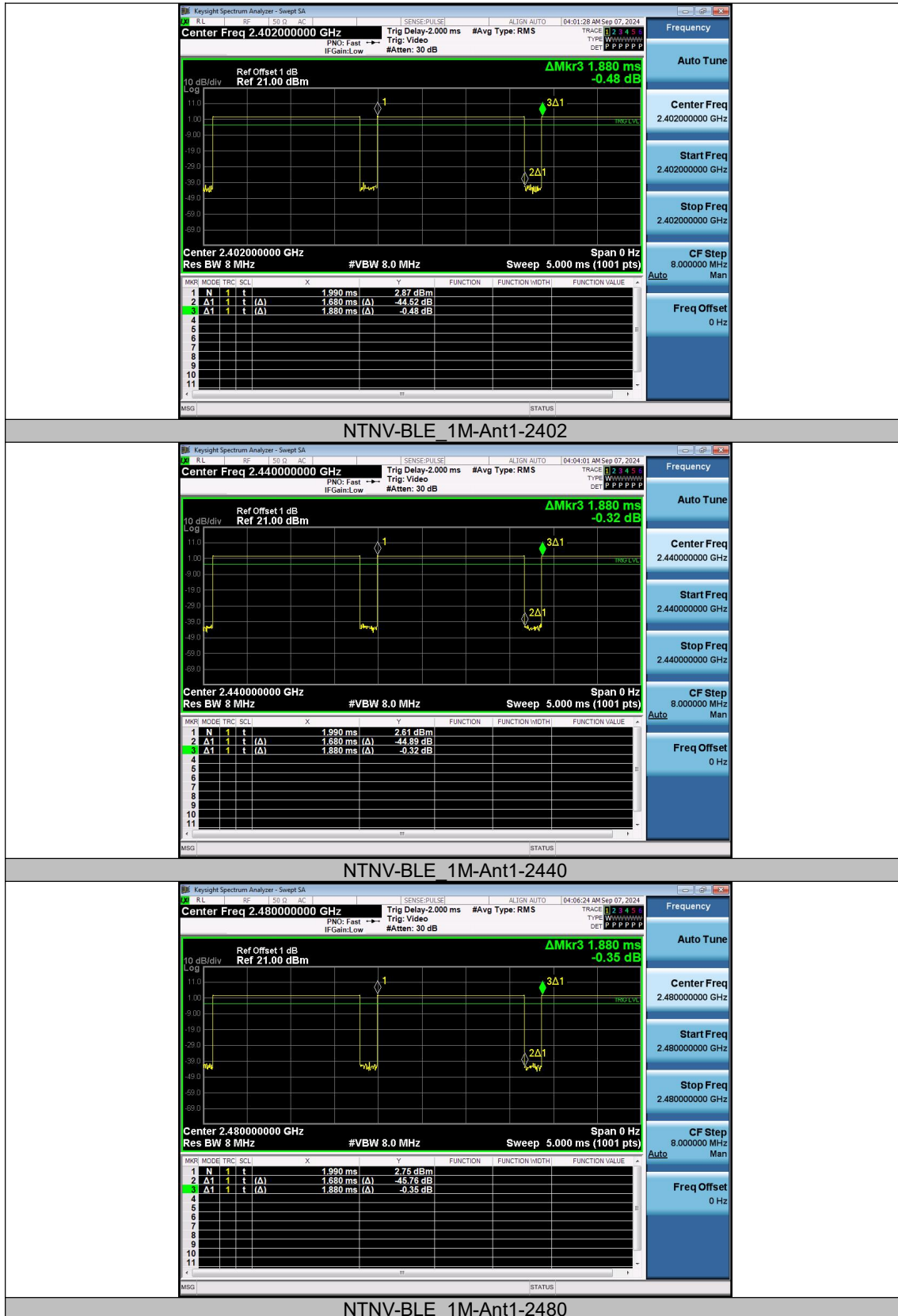
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Test Graphs



---End---

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