

Appendix Test Data

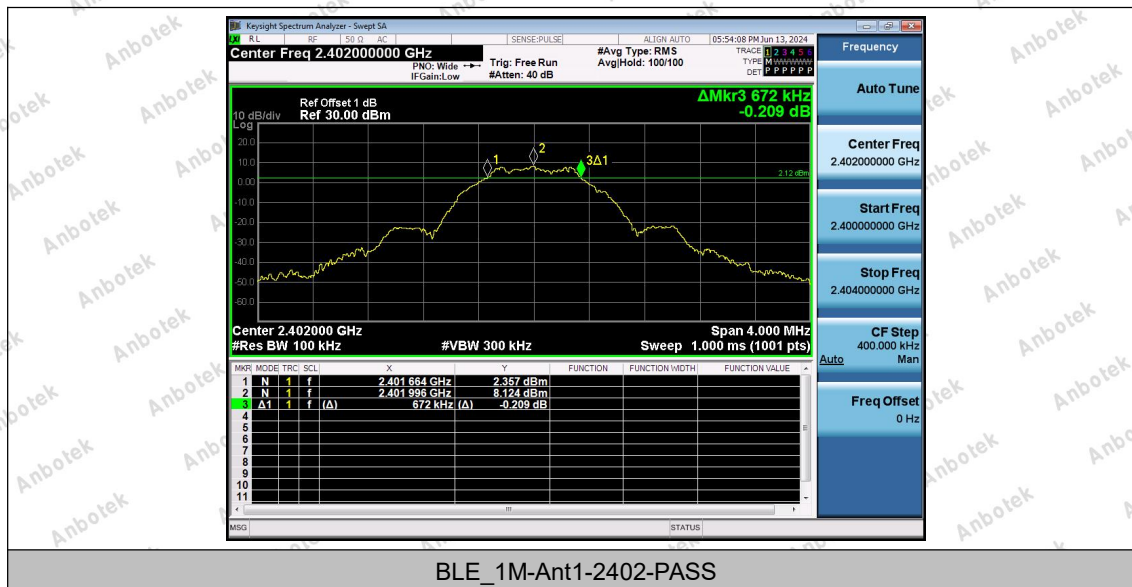
Report No.:	182512C400056101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.22	Finish Test Date:	2024.9.27
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.6°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.664	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.700	2439.636	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.668	2480.340	0.5	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

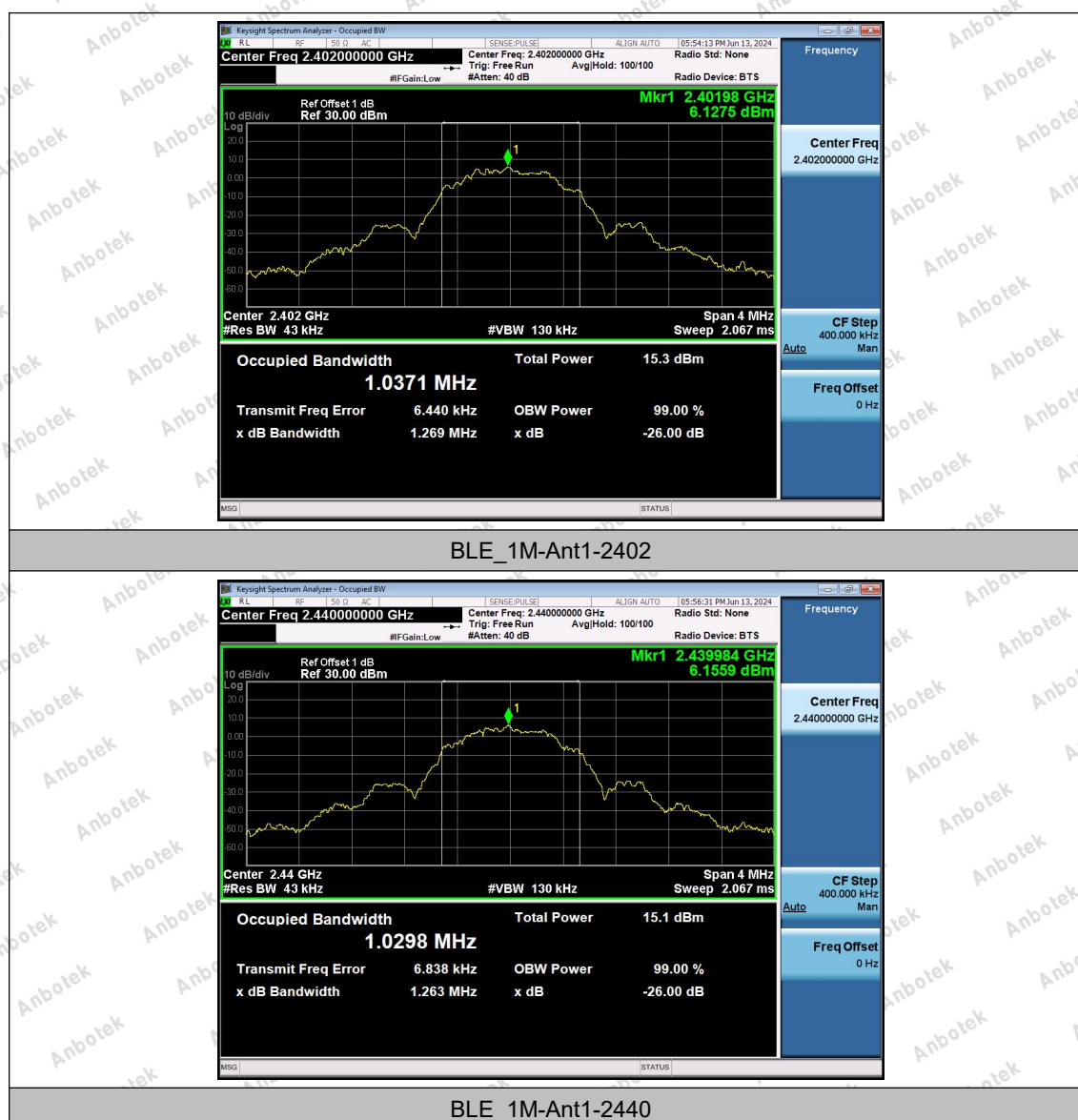


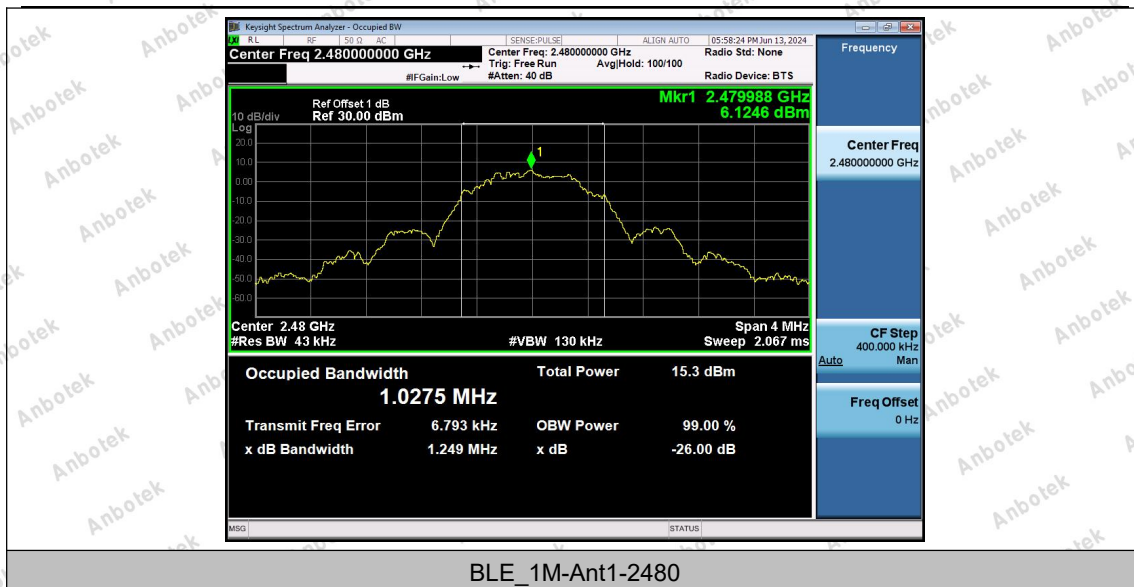
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0371	2401.4879	2402.5250	---	---
BLE_1M	Ant1	2440	1.0298	2439.4919	2440.5217	---	---
BLE_1M	Ant1	2480	1.0275	2479.4930	2480.5205	---	---

Test Graphs





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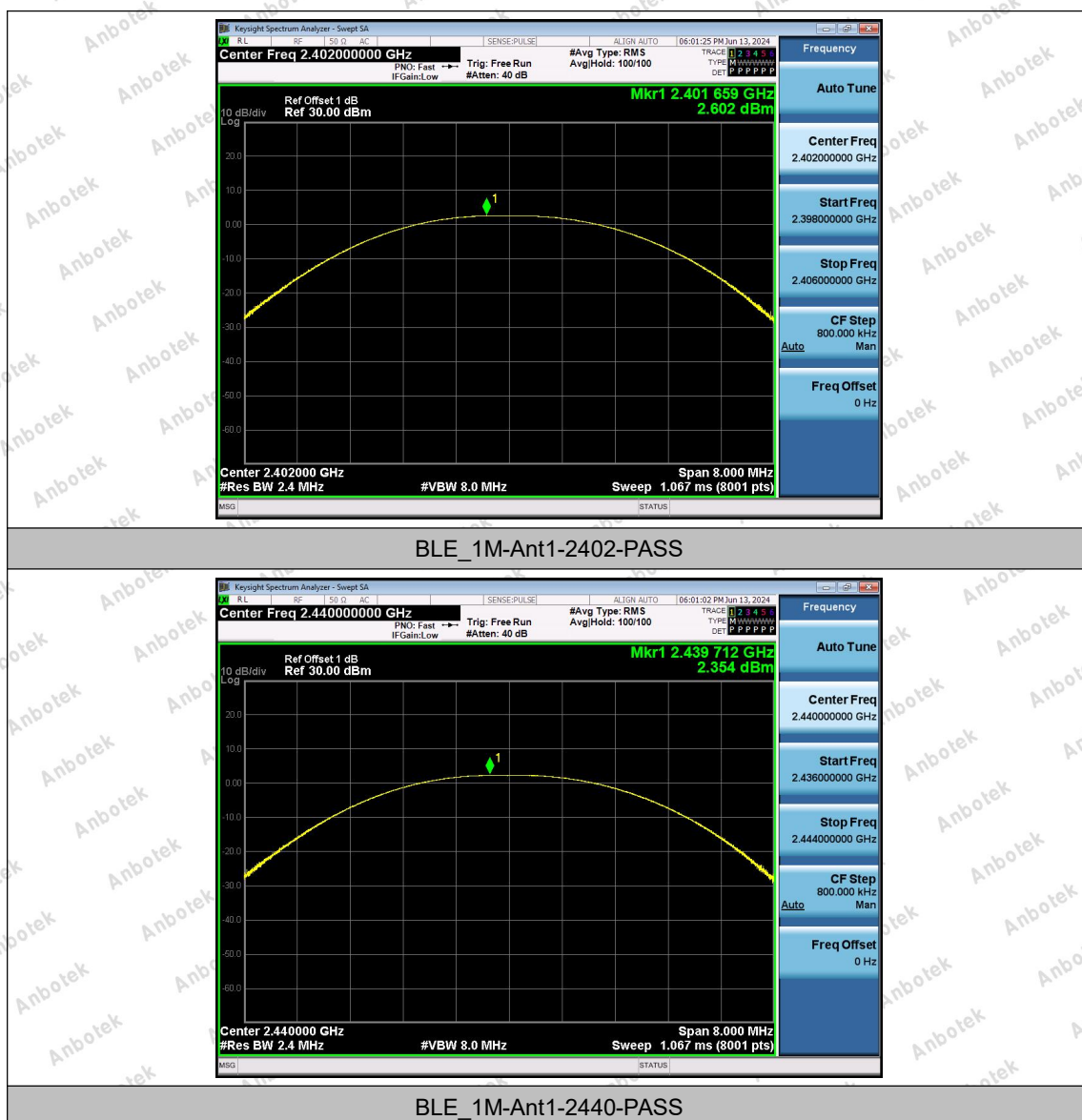


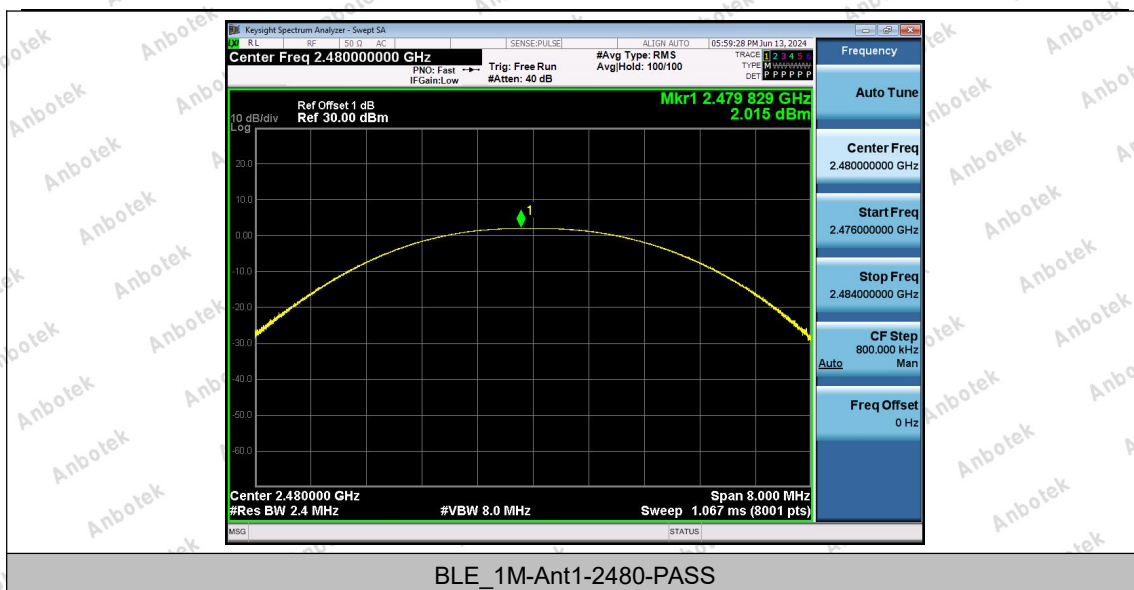
Appendix C: Maximum output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.60	≤30	PASS
BLE_1M	Ant1	2440	2.35	≤30	PASS
BLE_1M	Ant1	2480	2.02	≤30	PASS

Test Graphs Peak





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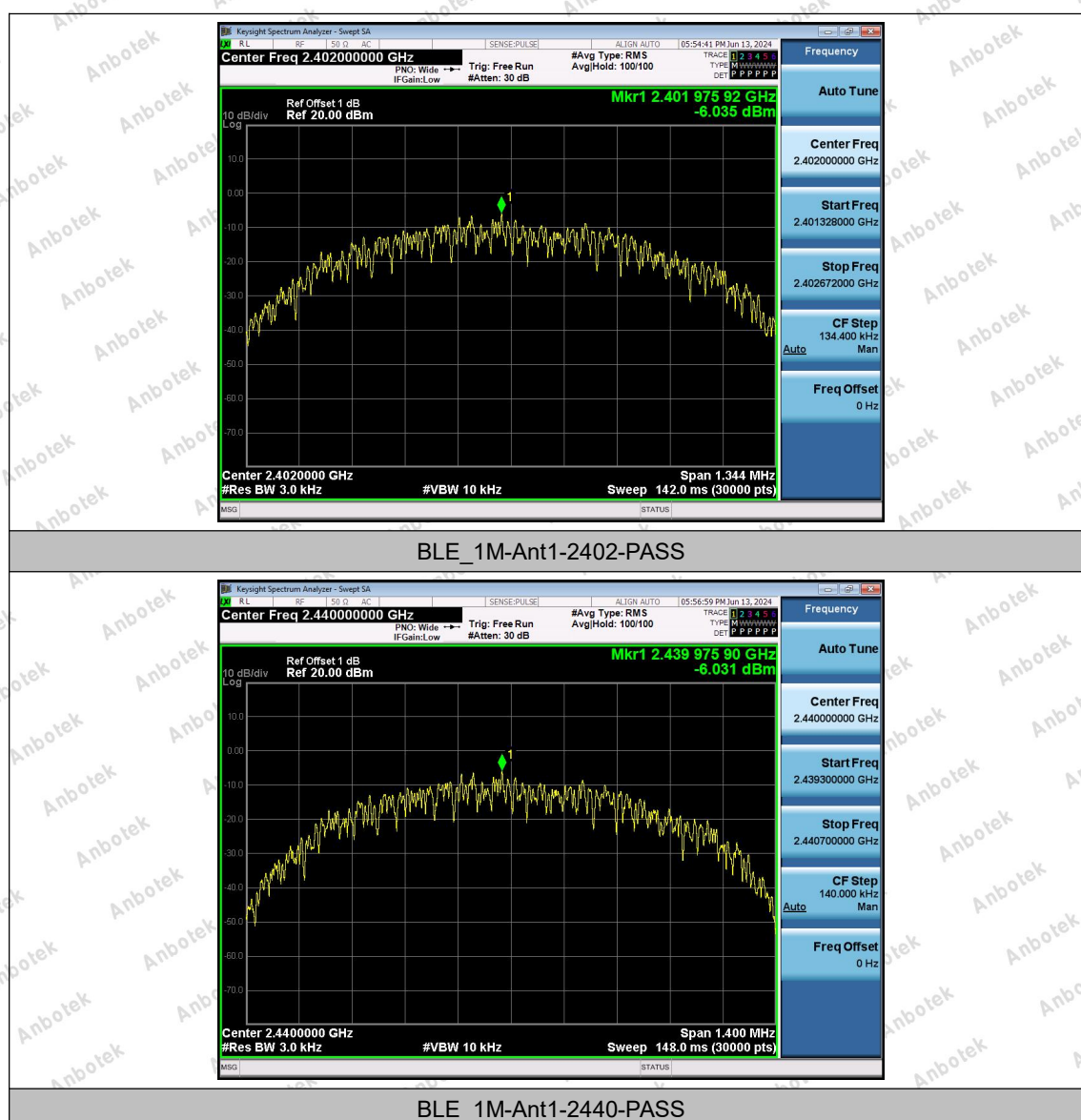


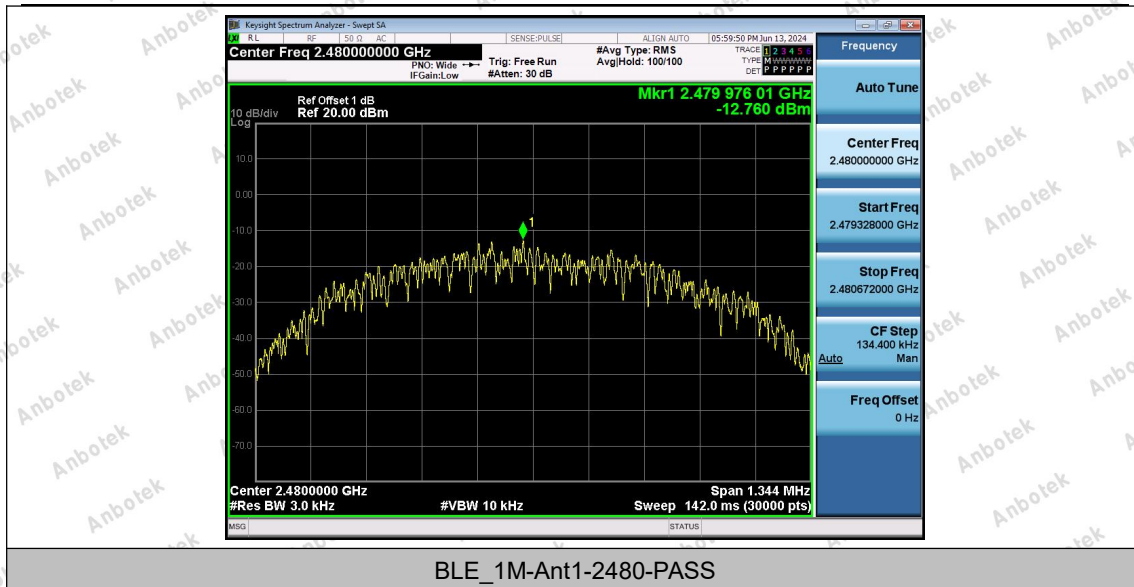
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.04	≤8.00	PASS
BLE_1M	Ant1	2440	-6.03	≤8.00	PASS
BLE_1M	Ant1	2480	-12.76	≤8.00	PASS

Test Graphs





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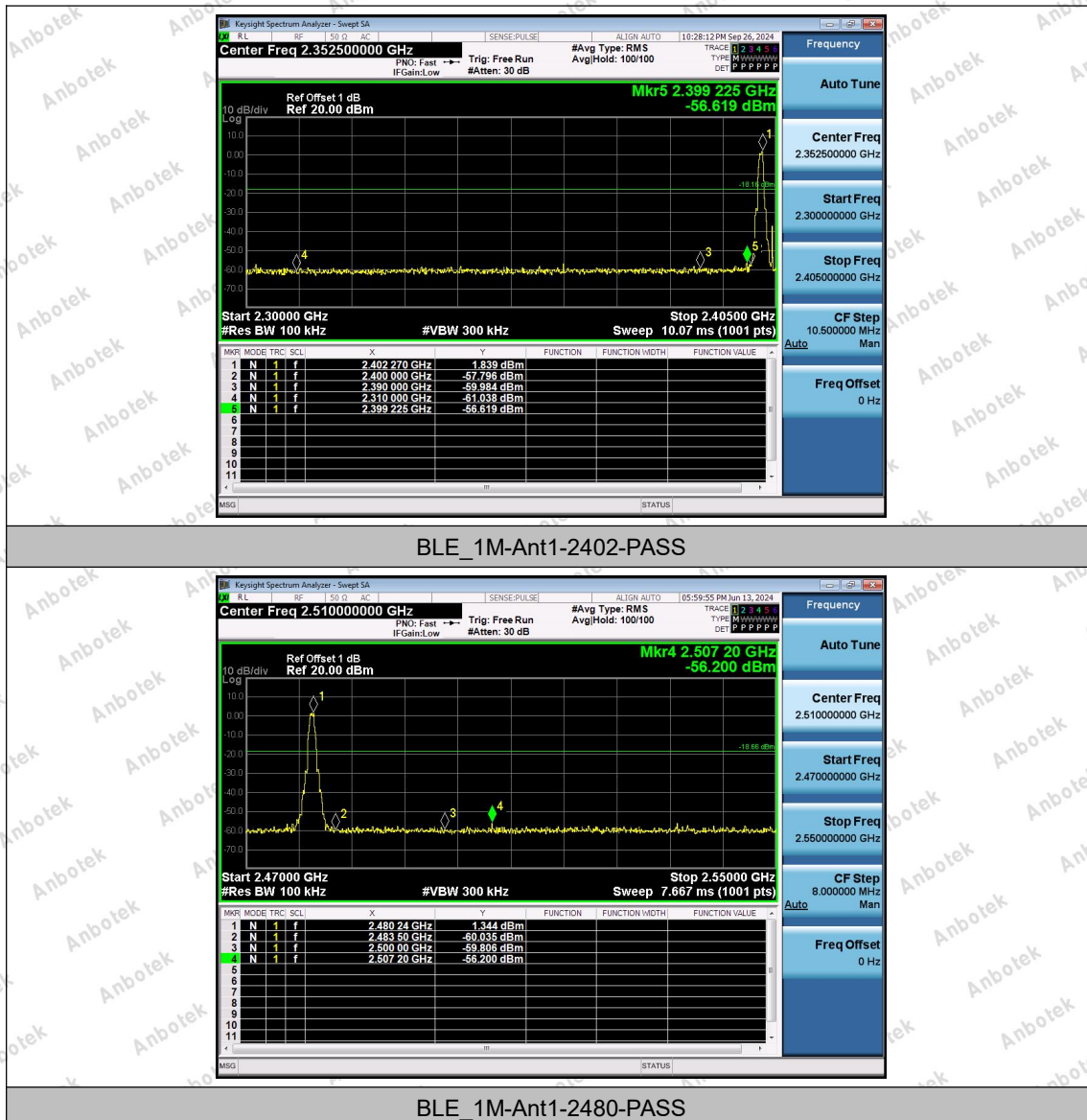
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.84	-56.62	≤-18.16	PASS
BLE_1M	Ant1	High	2480	1.34	-56.2	≤-18.66	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	1.85	1.85	---	PASS
BLE_1M	Ant1	2402	30~1000	1.85	-68.71	≤-18.15	PASS
BLE_1M	Ant1	2402	1000~26500	1.85	-52.58	≤-18.15	PASS
BLE_1M	Ant1	2440	0~Reference	2.20	2.20	---	PASS
BLE_1M	Ant1	2440	30~1000	2.20	-69.3	≤-17.8	PASS
BLE_1M	Ant1	2440	1000~26500	2.20	-53.68	≤-17.8	PASS
BLE_1M	Ant1	2480	0~Reference	0.96	0.96	---	PASS
BLE_1M	Ant1	2480	30~1000	0.96	-67.5	≤-19.04	PASS
BLE_1M	Ant1	2480	1000~26500	0.96	-48.74	≤-19.04	PASS



Test Graphs



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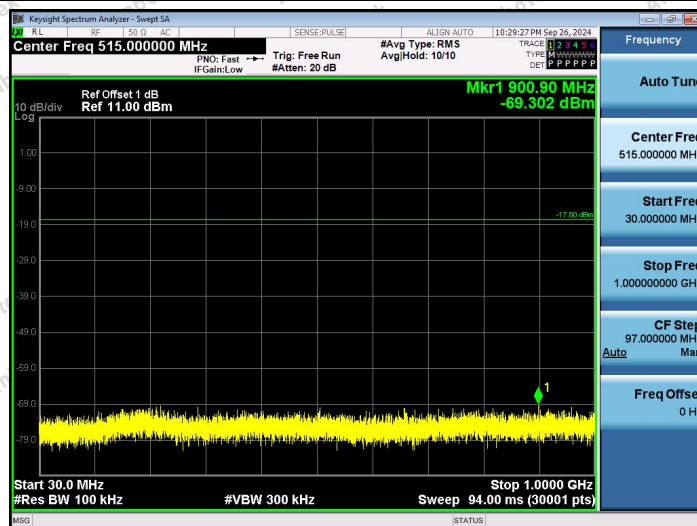


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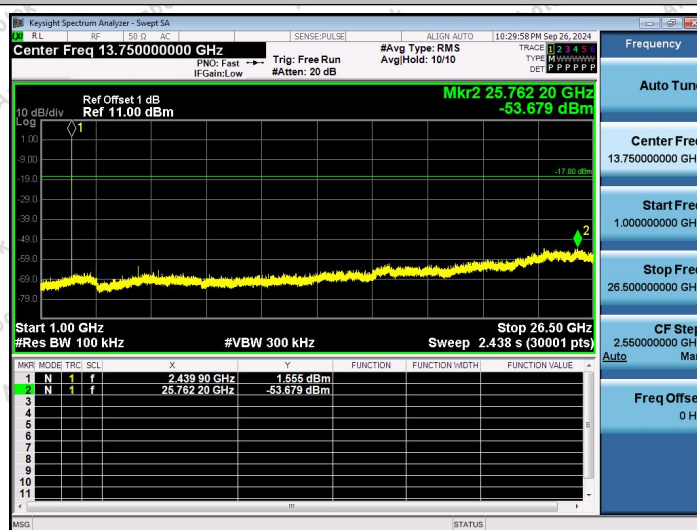




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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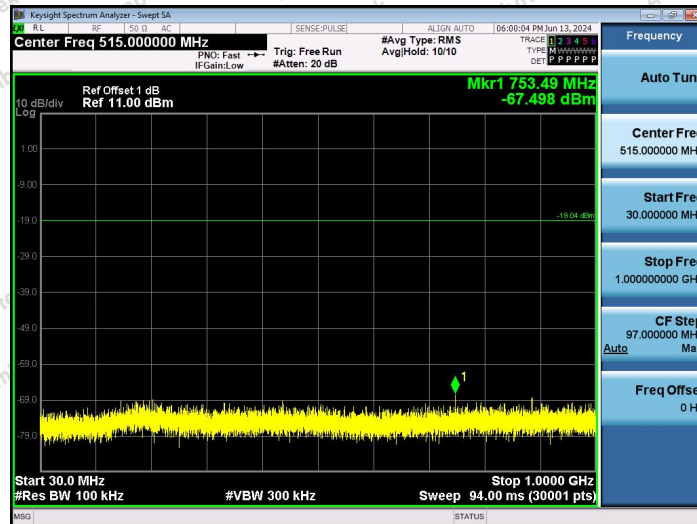


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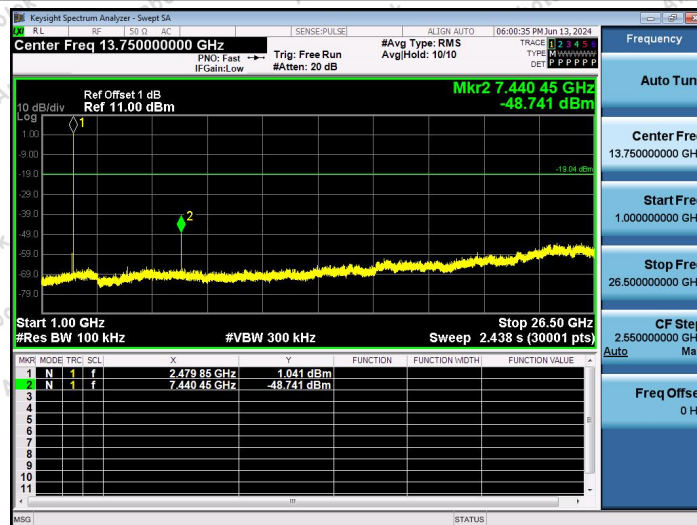




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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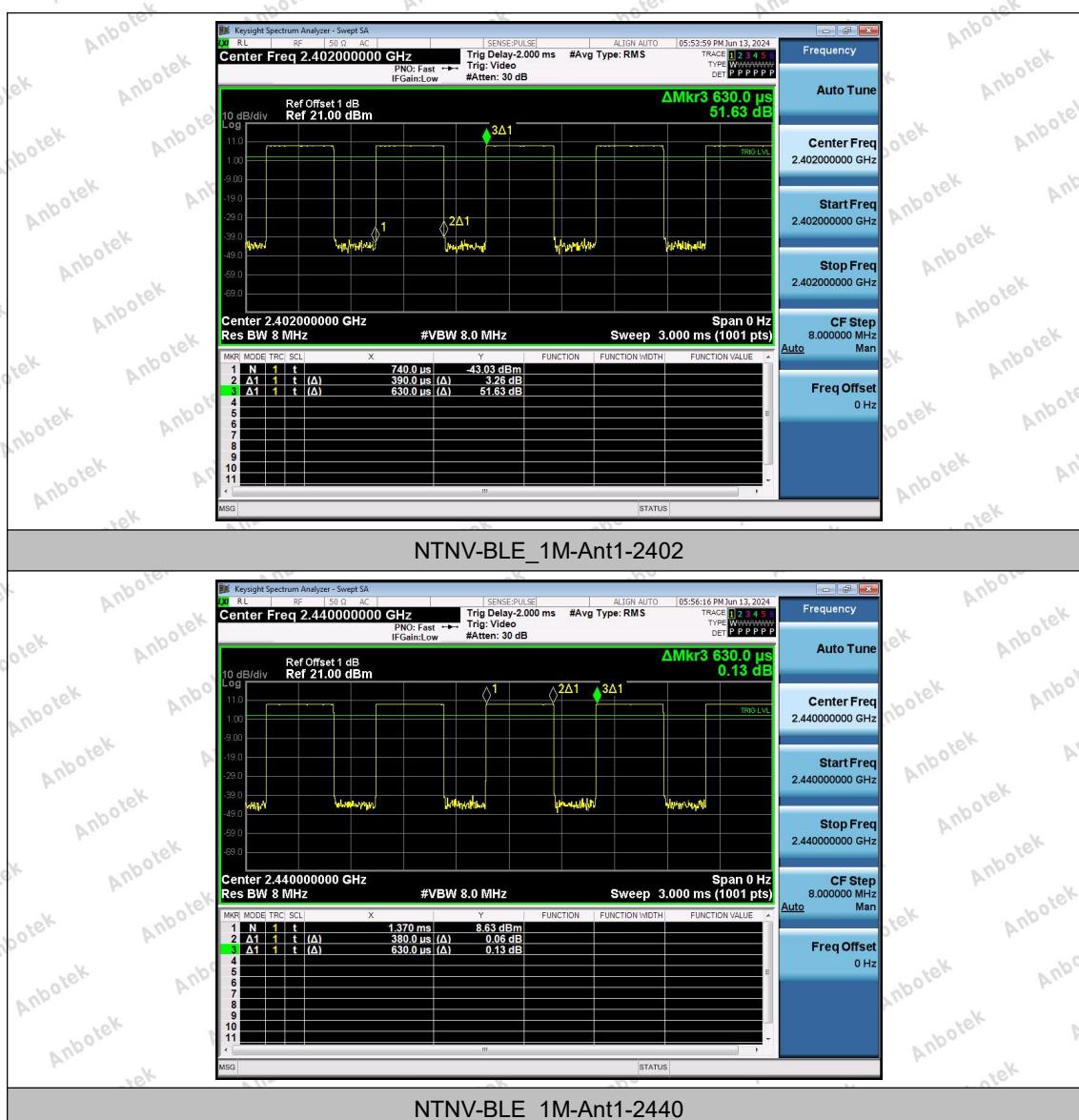


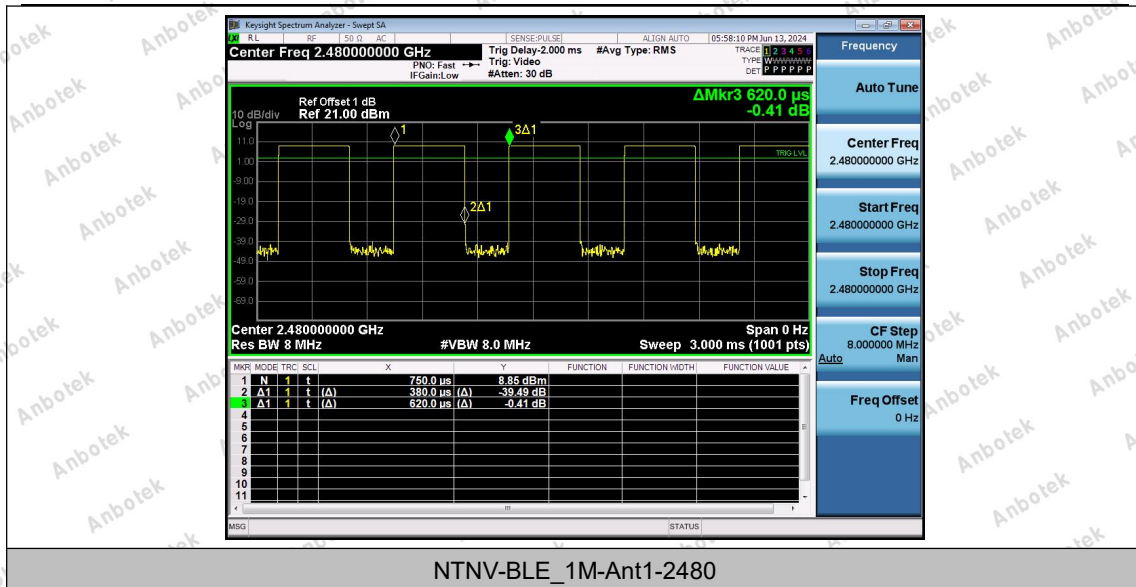
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.38	0.63	60.32	2.20
BLE_1M	Ant1	2480	0.38	0.62	61.29	2.13

Test Graphs





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