

Appendix Test Data

Report No.:	1812C40080412502	Test Sample No.:	1-2-2
Start Test Date:	2024.09.25	Finish Test Date:	2024.09.25
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.3℃	Relative Humidity:	56%
Pressure:	101kPa		

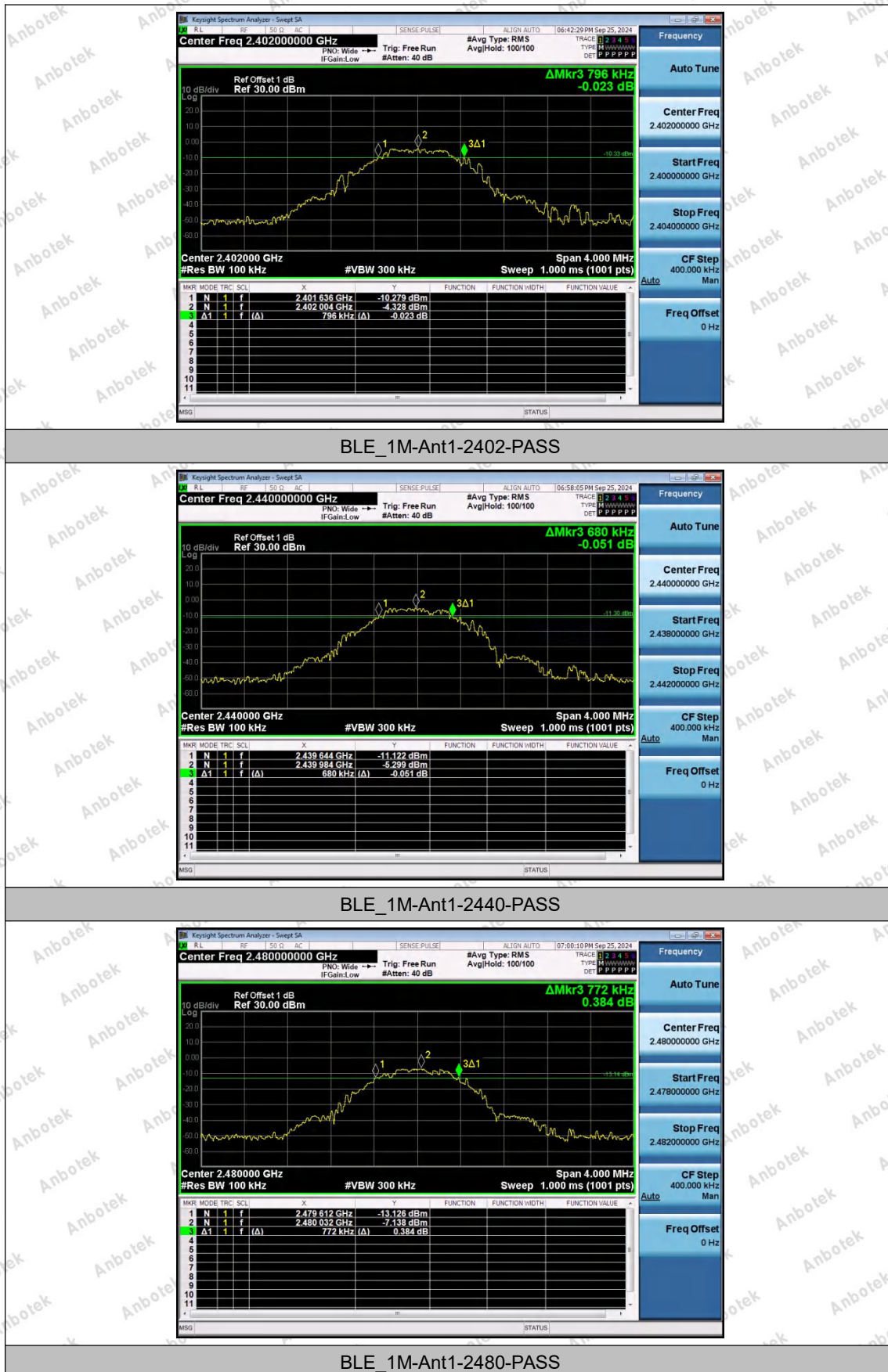
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.796	2401.636	2402.432	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.644	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.772	2479.612	2480.384	0.5	PASS



Test Graphs



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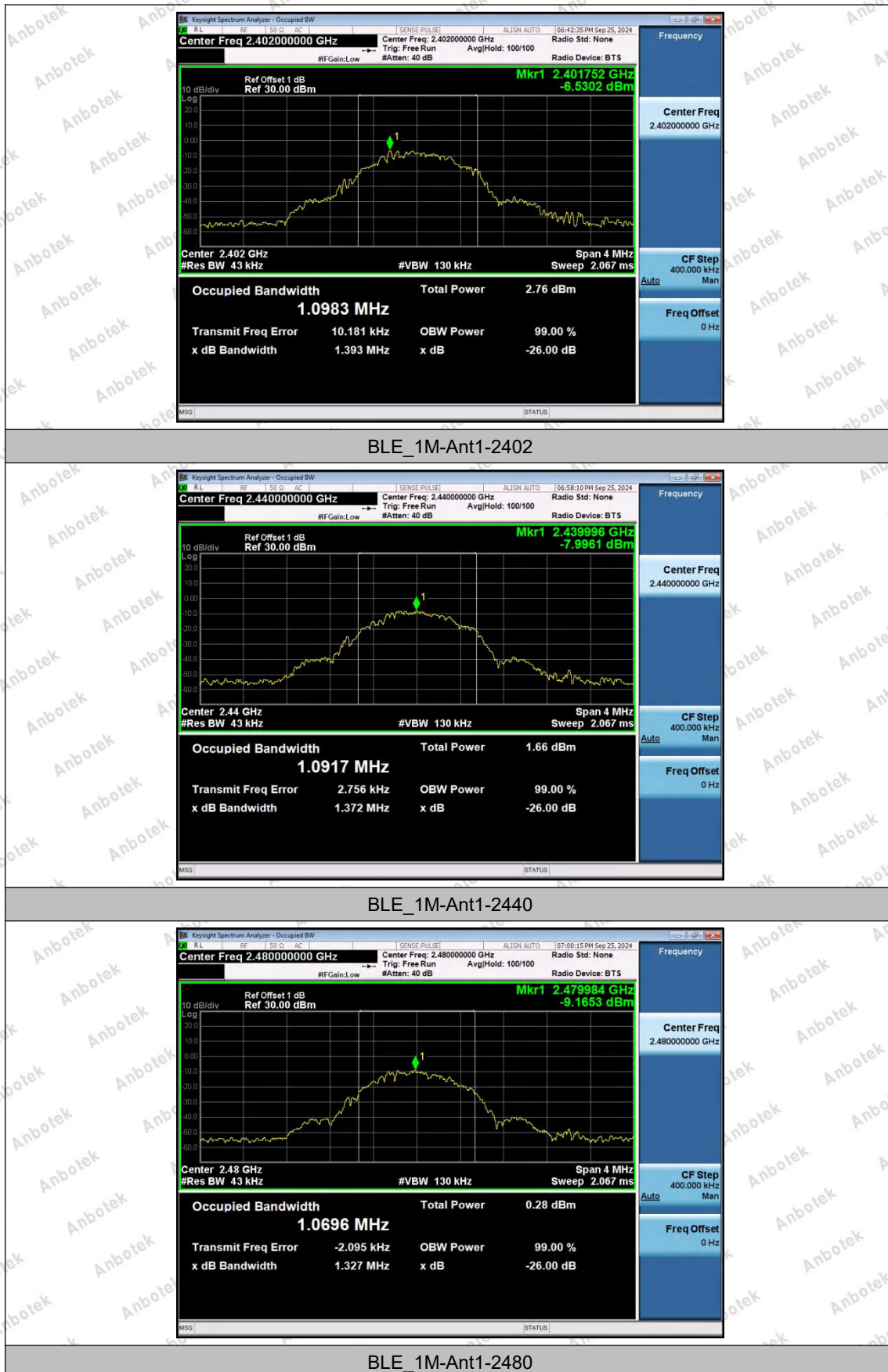
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0983	2401.4610	2402.5593	---	---
BLE_1M	Ant1	2440	1.0917	2439.4569	2440.5486	---	---
BLE_1M	Ant1	2480	1.0696	2479.4631	2480.5327	---	---



Test Graphs



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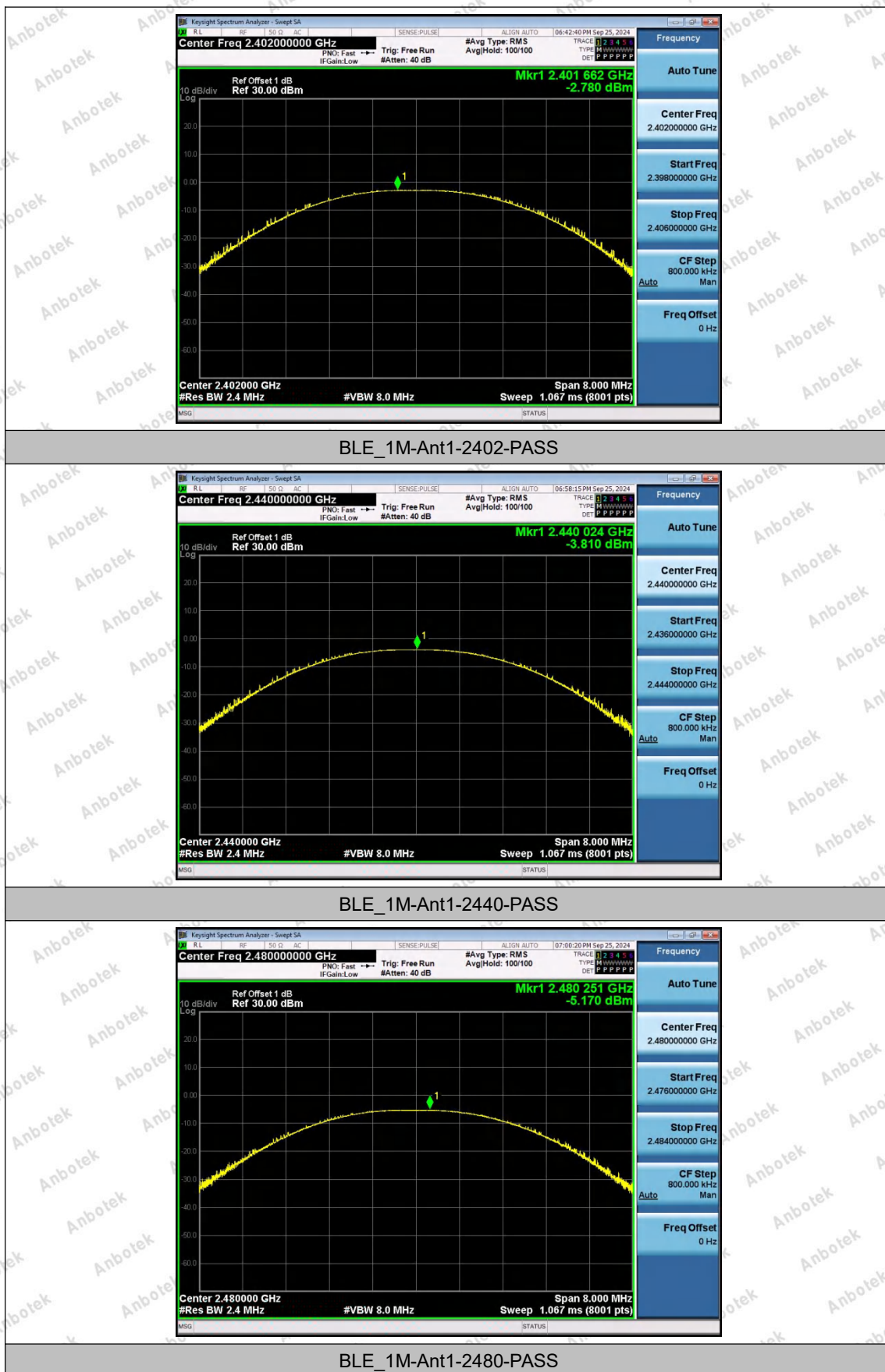
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.78	≤30	PASS
BLE_1M	Ant1	2440	-3.81	≤30	PASS
BLE_1M	Ant1	2480	-5.17	≤30	PASS



Test Graphs Peak



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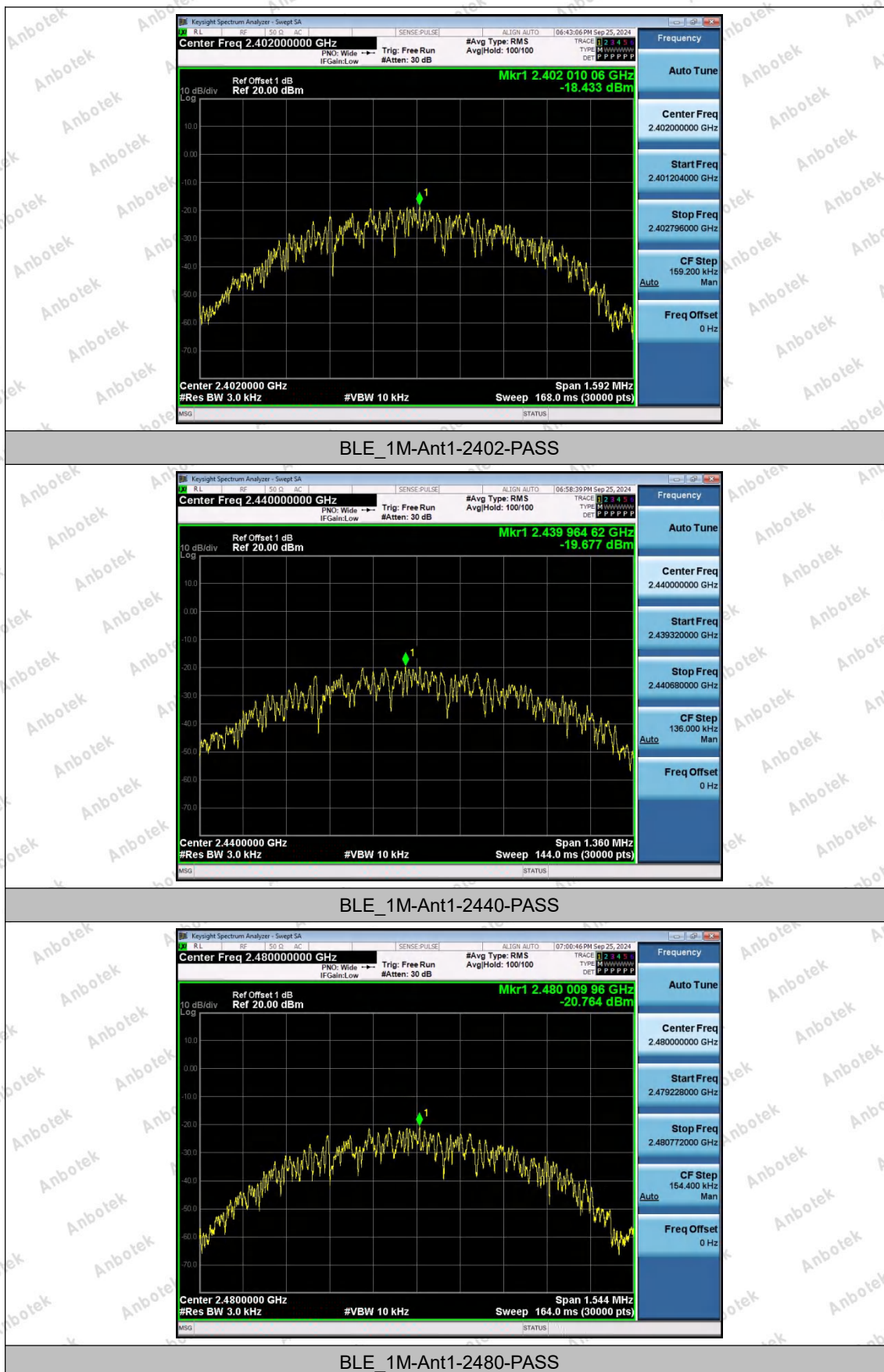
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.43	≤8.00	PASS
BLE_1M	Ant1	2440	-19.68	≤8.00	PASS
BLE_1M	Ant1	2480	-20.76	≤8.00	PASS



Test Graphs



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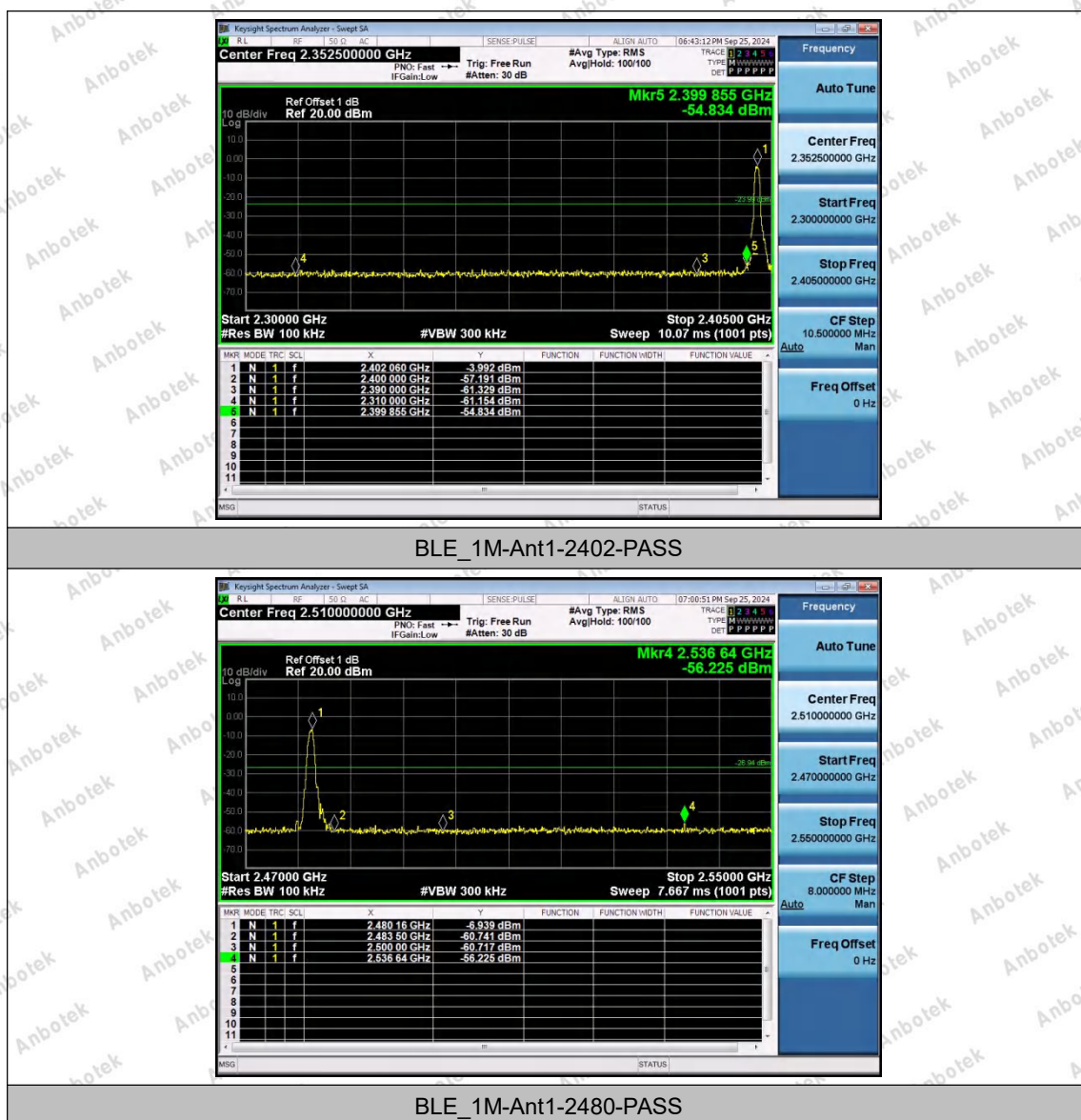


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.99	-54.83	≤-23.99	PASS
BLE_1M	Ant1	High	2480	-6.94	-56.23	≤-26.94	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

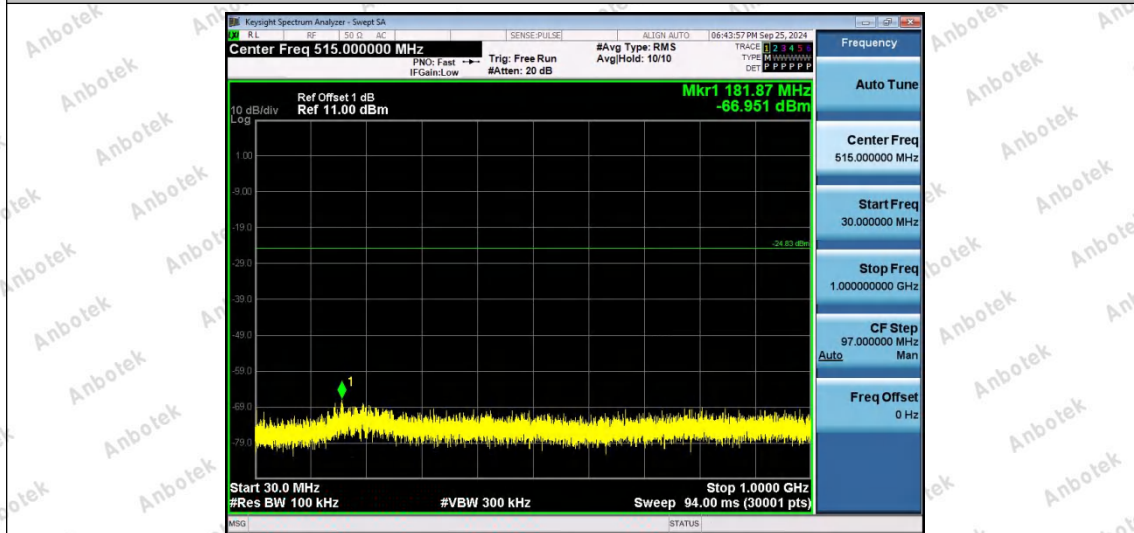
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.83	-4.83	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.83	-66.95	≤-24.83	PASS
BLE_1M	Ant1	2402	1000~26500	-4.83	-53.47	≤-24.83	PASS
BLE_1M	Ant1	2440	0~Reference	-5.29	-5.29	---	PASS
BLE_1M	Ant1	2440	30~1000	-5.29	-55.33	≤-25.29	PASS
BLE_1M	Ant1	2440	1000~26500	-5.29	-52.6	≤-25.29	PASS
BLE_1M	Ant1	2480	0~Reference	-6.74	-6.74	---	PASS
BLE_1M	Ant1	2480	30~1000	-6.74	-52.95	≤-26.74	PASS
BLE_1M	Ant1	2480	1000~26500	-6.74	-47.97	≤-26.74	PASS



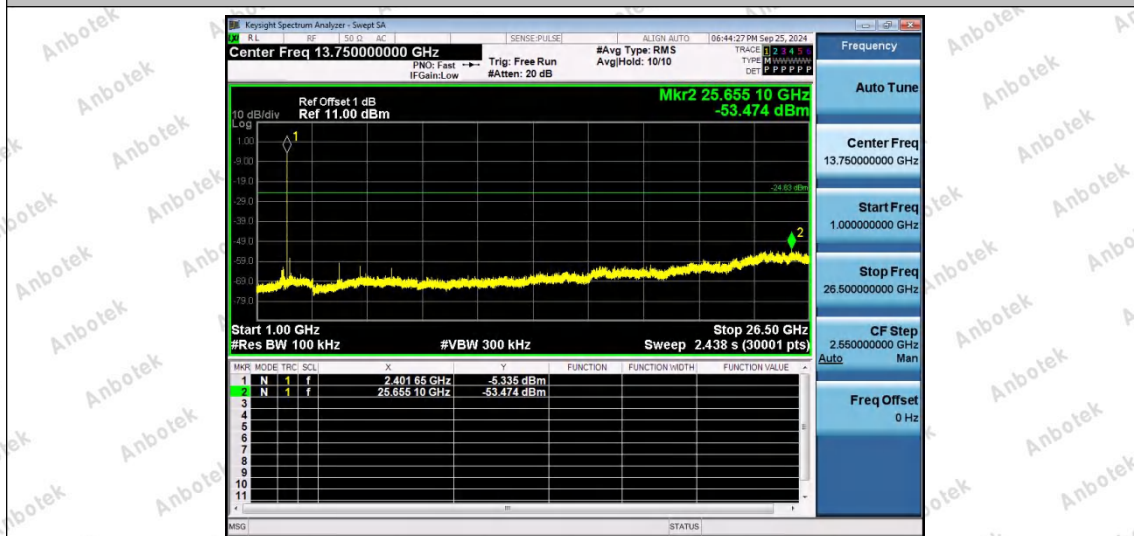
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



BLE_1M-Ant1-2402-30~1000-PASS



BLE_1M-Ant1-2402-1000~26500-PASS

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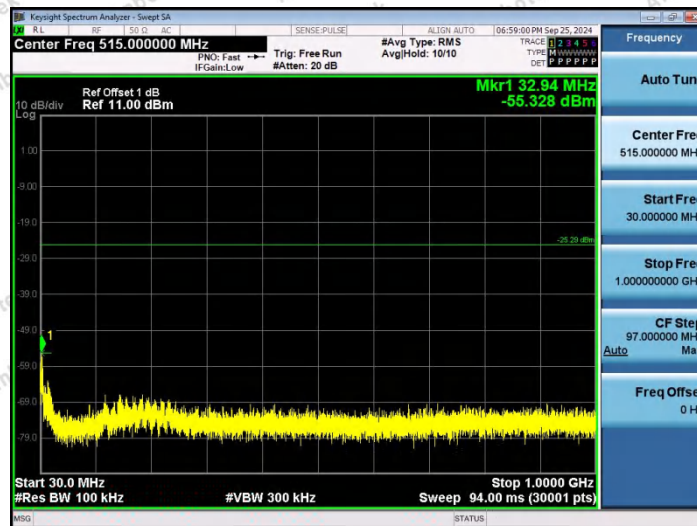


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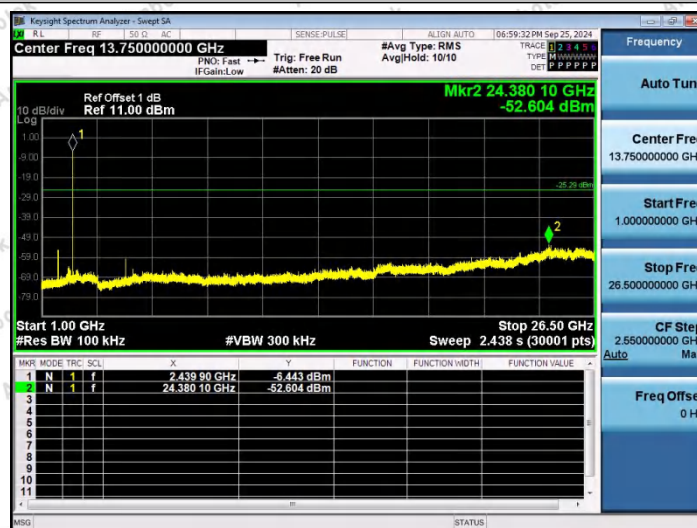




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

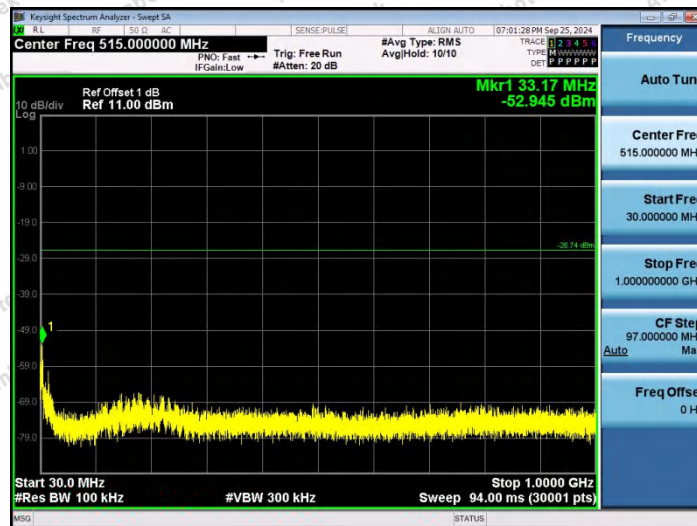


BLE_1M-Ant1-2440-1000~26500-PASS

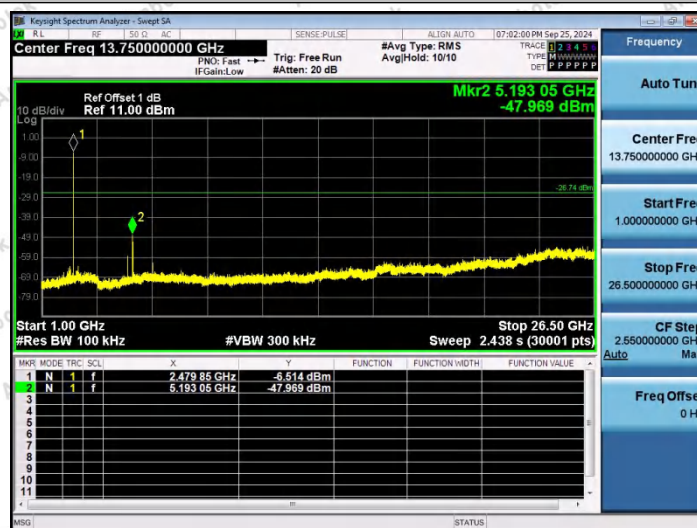




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

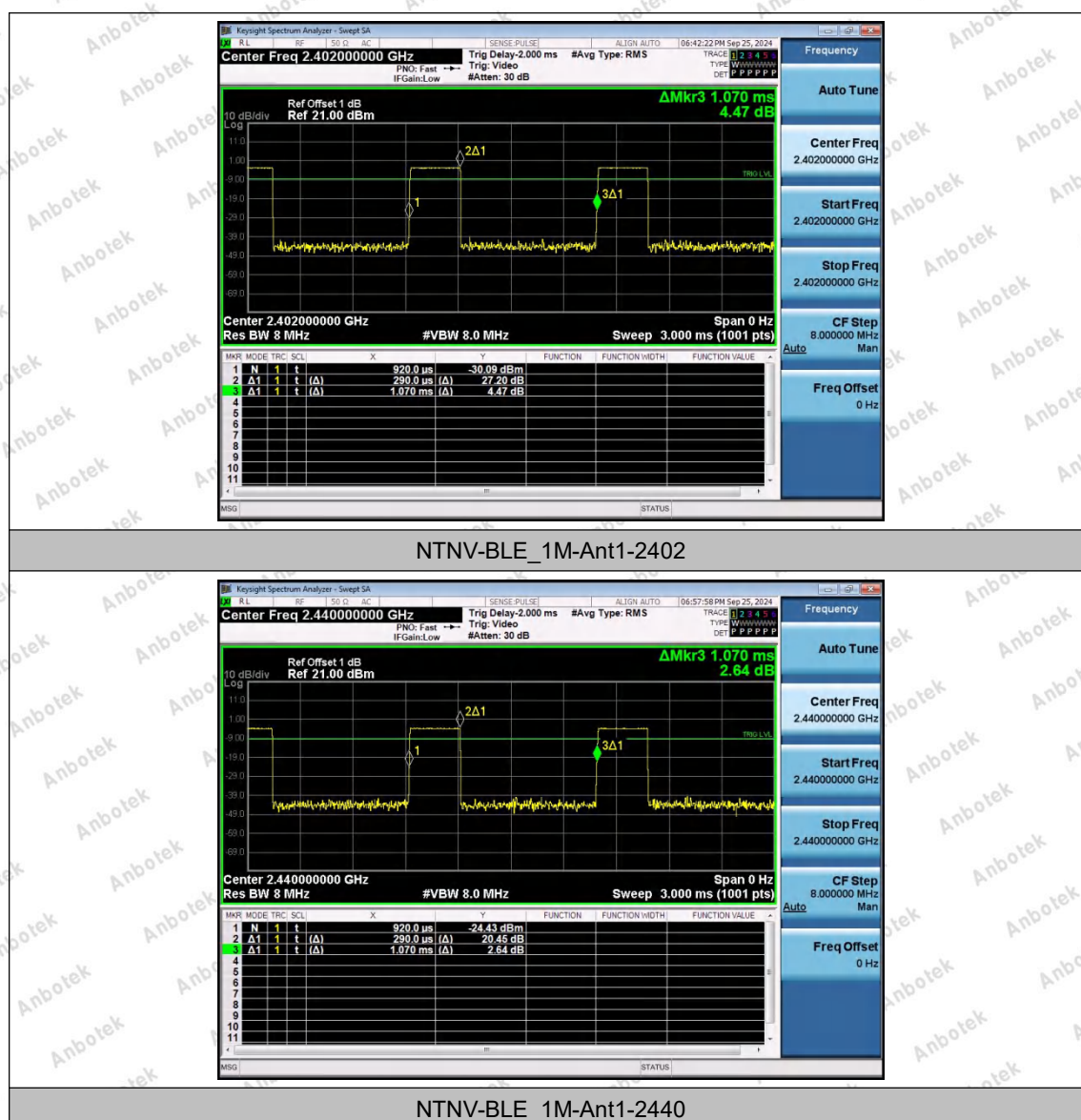


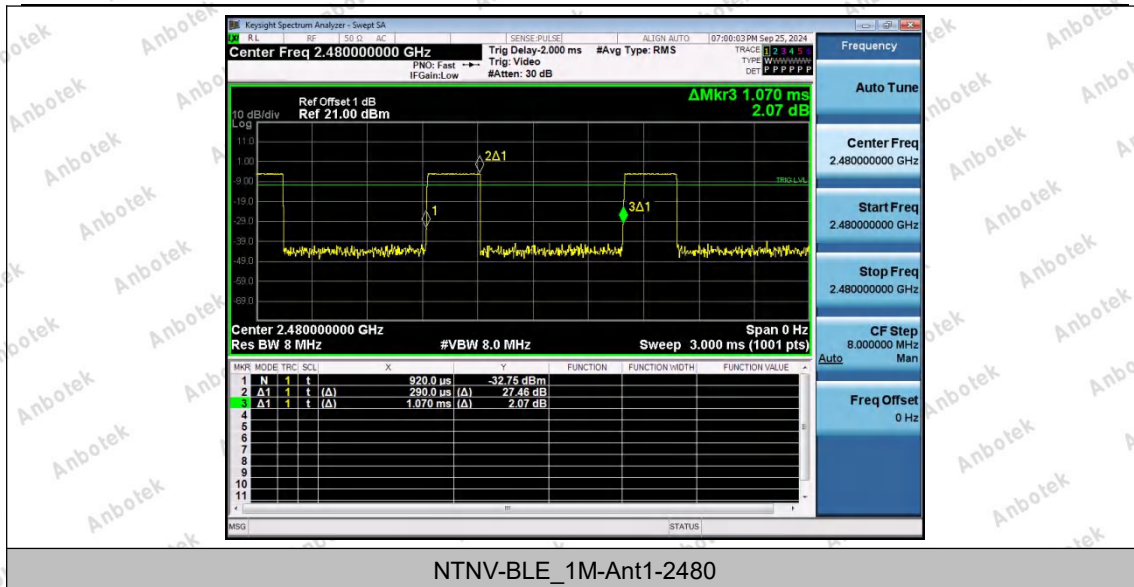
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2440	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2480	0.29	1.07	27.10	5.67

Test Graphs





---End---

