

Appendix Test Data

Report No.:	1812C40063012501	Test Sample No.:	1-2-2
Start Test Date:	2024.9.7	Finish Test Date:	2024.9.7
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.2℃	Relative Humidity:	54%
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	0.704	2401.672	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.700	2439.664	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.660	2480.336	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	1.0712	2401.4597	2402.5309	---	---
BLE_1M	Ant1	2440	1.0609	2439.4644	2440.5253	---	---
BLE_1M	Ant1	2480	1.0827	2479.4622	2480.5449	---	---



Test Graphs



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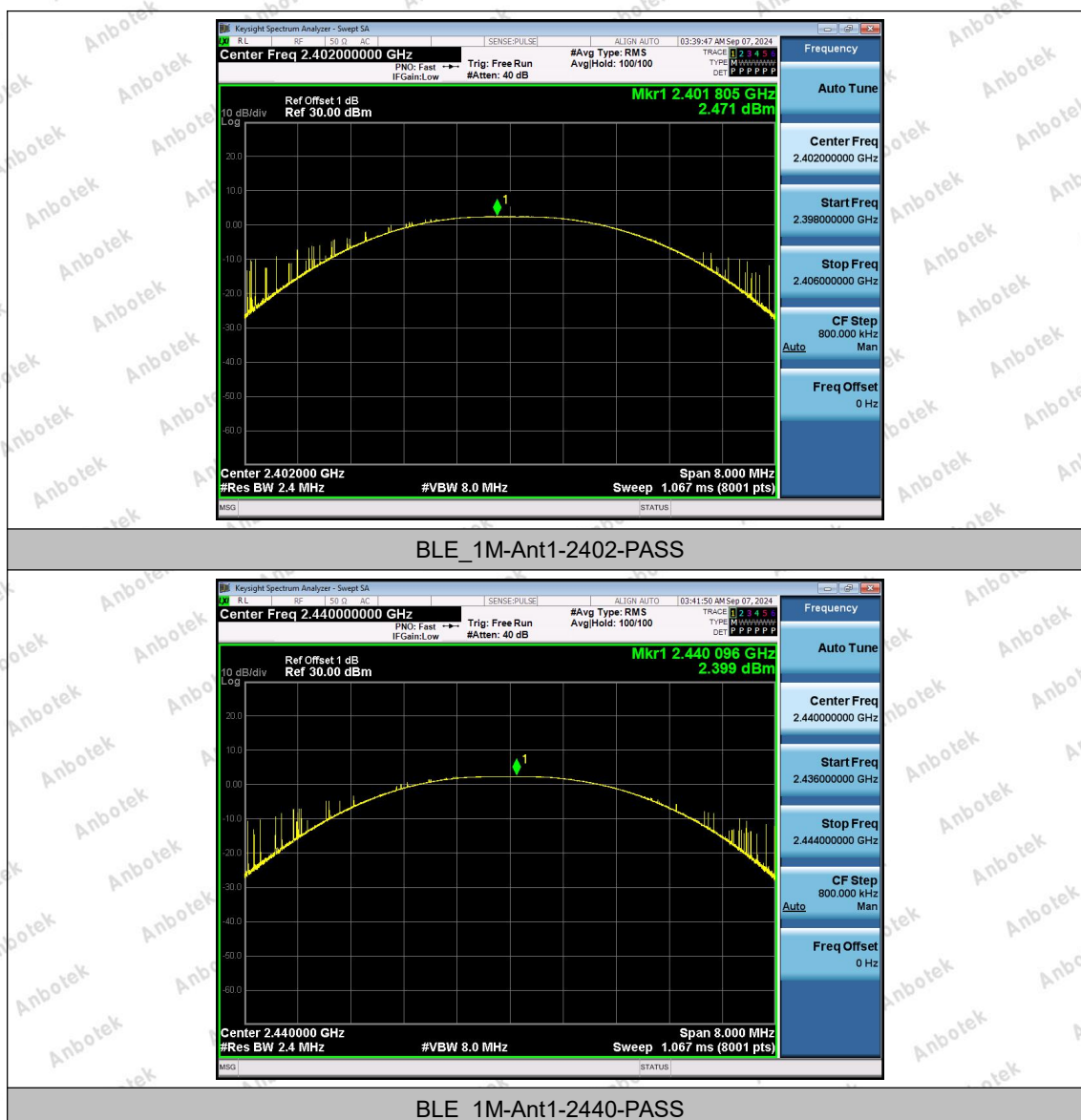


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.47	≤30	PASS
BLE_1M	Ant1	2440	2.40	≤30	PASS
BLE_1M	Ant1	2480	2.41	≤30	PASS

Test Graphs Peak



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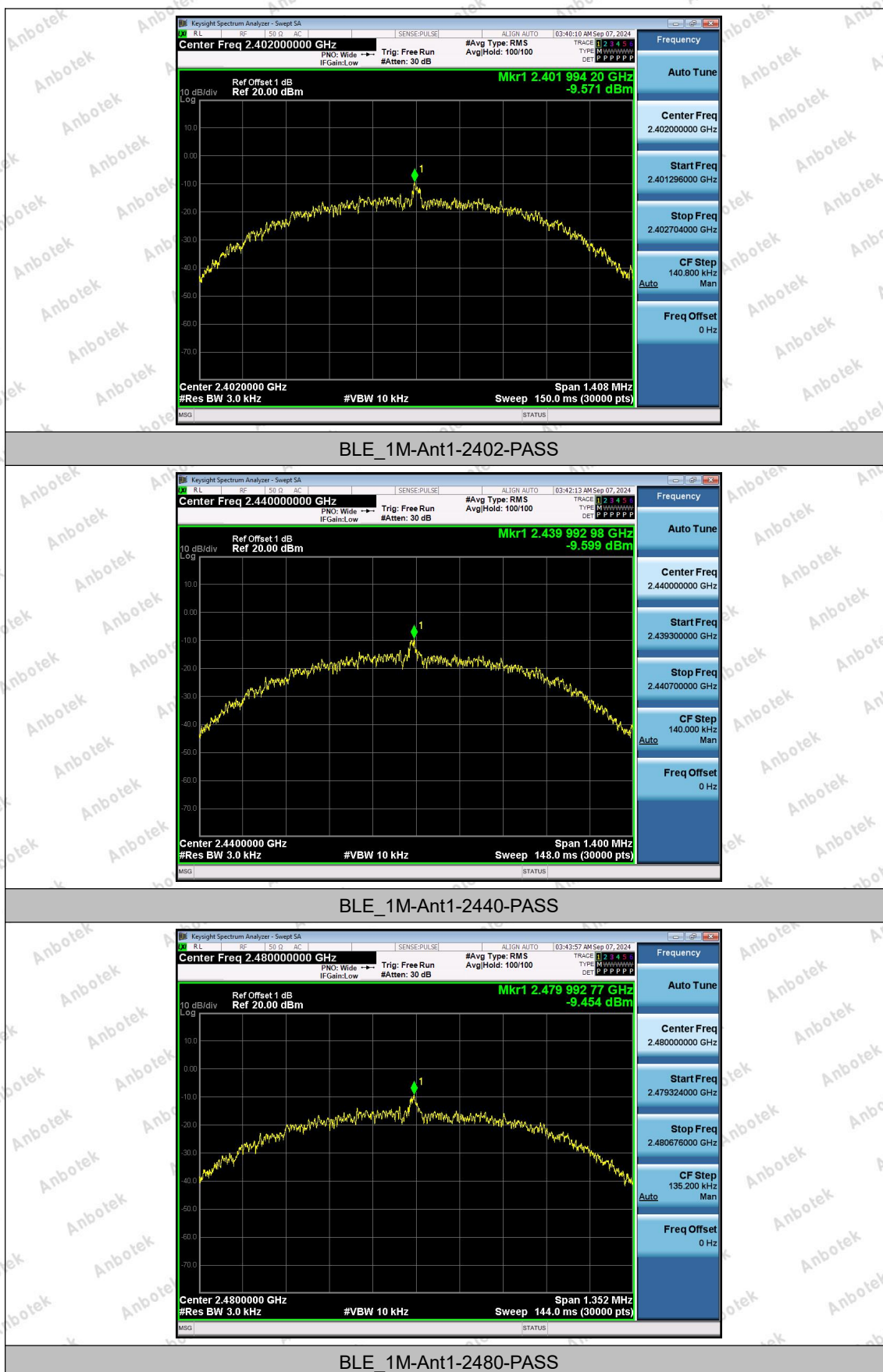
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.57	≤8.00	PASS
BLE_1M	Ant1	2440	-9.60	≤8.00	PASS
BLE_1M	Ant1	2480	-9.45	≤8.00	PASS



Test Graphs



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Appendix E: Band edge measurements

Test Result

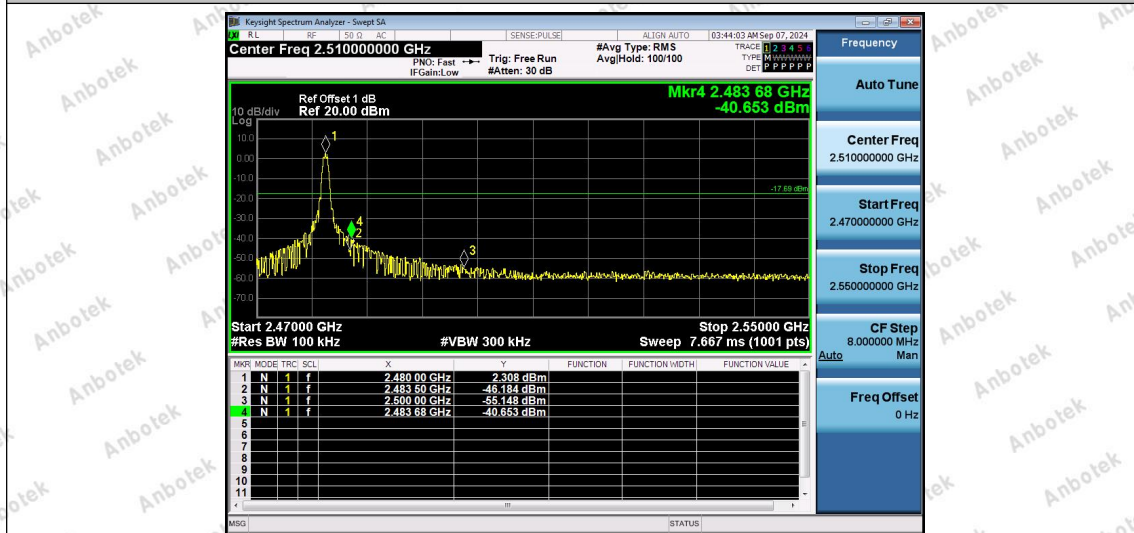
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.68	-32.13	≤-18.33	PASS
BLE_1M	Ant1	High	2480	2.31	-40.65	≤-17.69	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



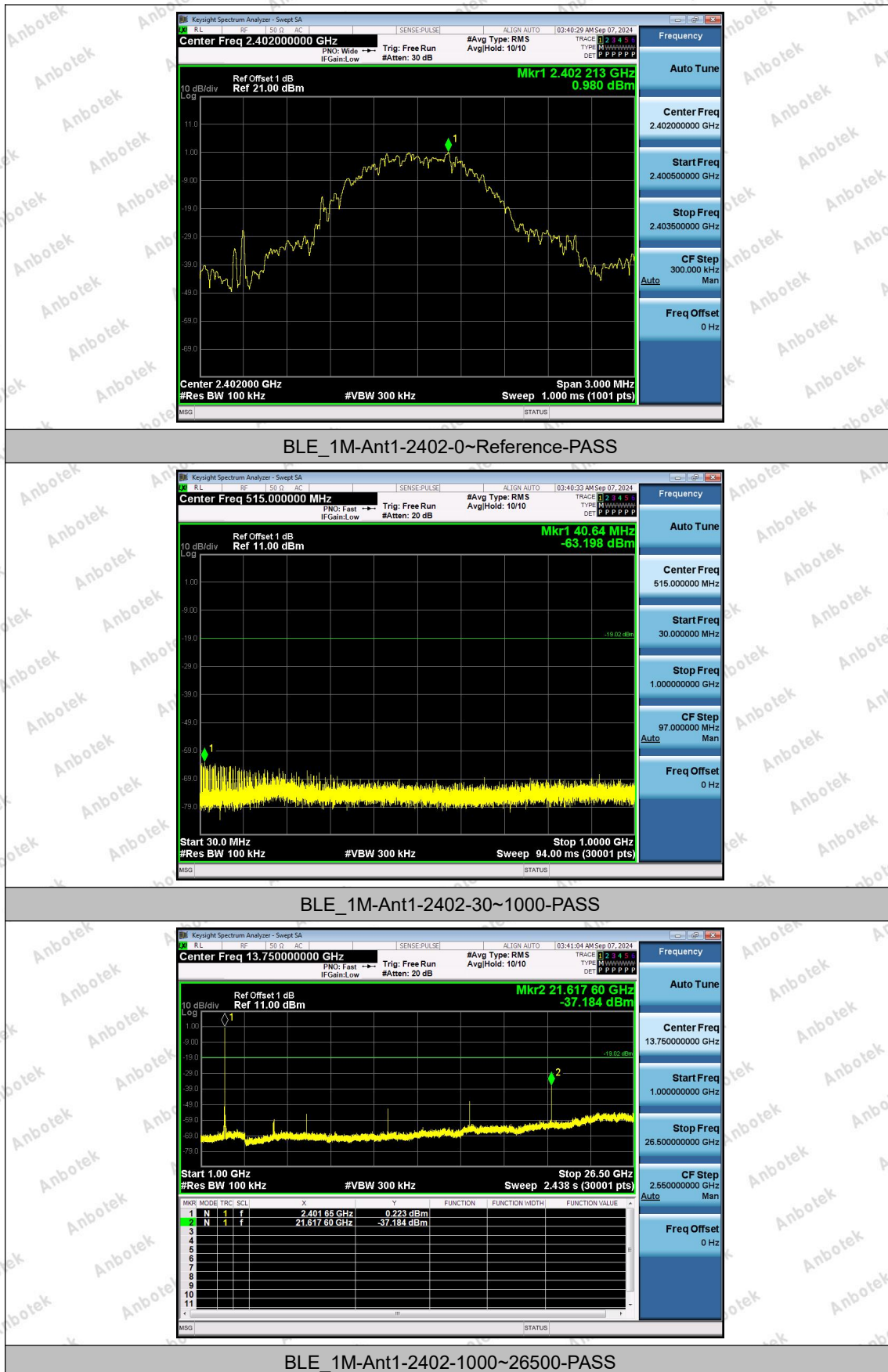
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.98	0.98	---	PASS
BLE_1M	Ant1	2402	30~1000	0.98	-63.2	≤-19.02	PASS
BLE_1M	Ant1	2402	1000~26500	0.98	-37.18	≤-19.02	PASS
BLE_1M	Ant1	2440	0~Reference	0.43	0.43	---	PASS
BLE_1M	Ant1	2440	30~1000	0.43	-62.88	≤-19.57	PASS
BLE_1M	Ant1	2440	1000~26500	0.43	-42.05	≤-19.57	PASS
BLE_1M	Ant1	2480	0~Reference	2.30	2.30	---	PASS
BLE_1M	Ant1	2480	30~1000	2.30	-63.56	≤-17.7	PASS
BLE_1M	Ant1	2480	1000~26500	2.30	-41.06	≤-17.7	PASS



Test Graphs



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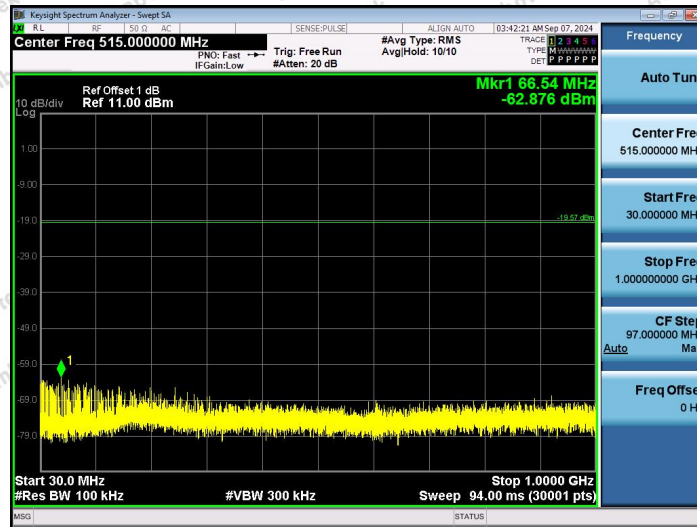


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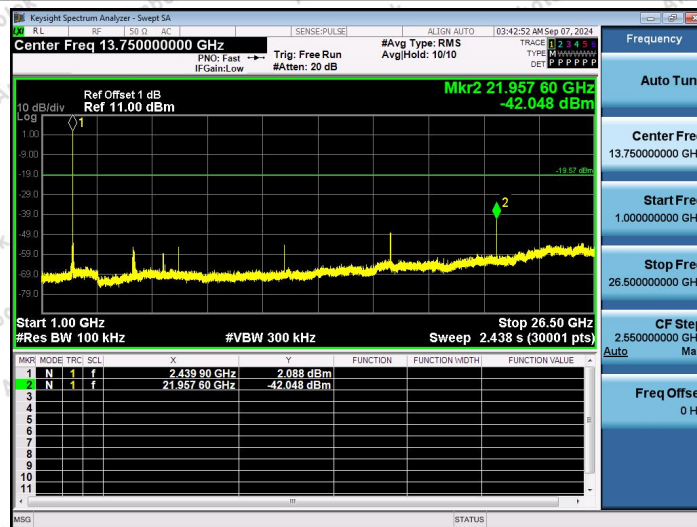




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

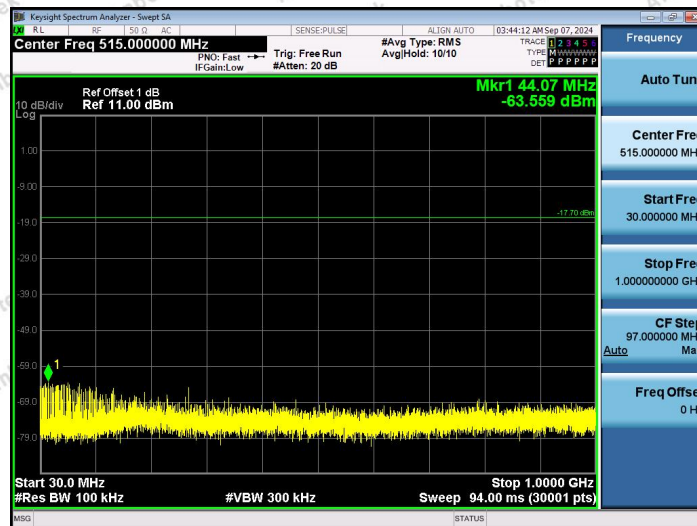


BLE_1M-Ant1-2440-1000~26500-PASS

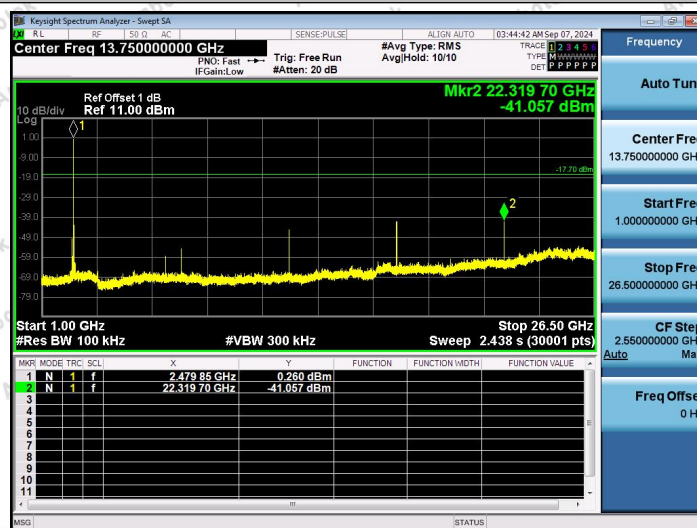




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



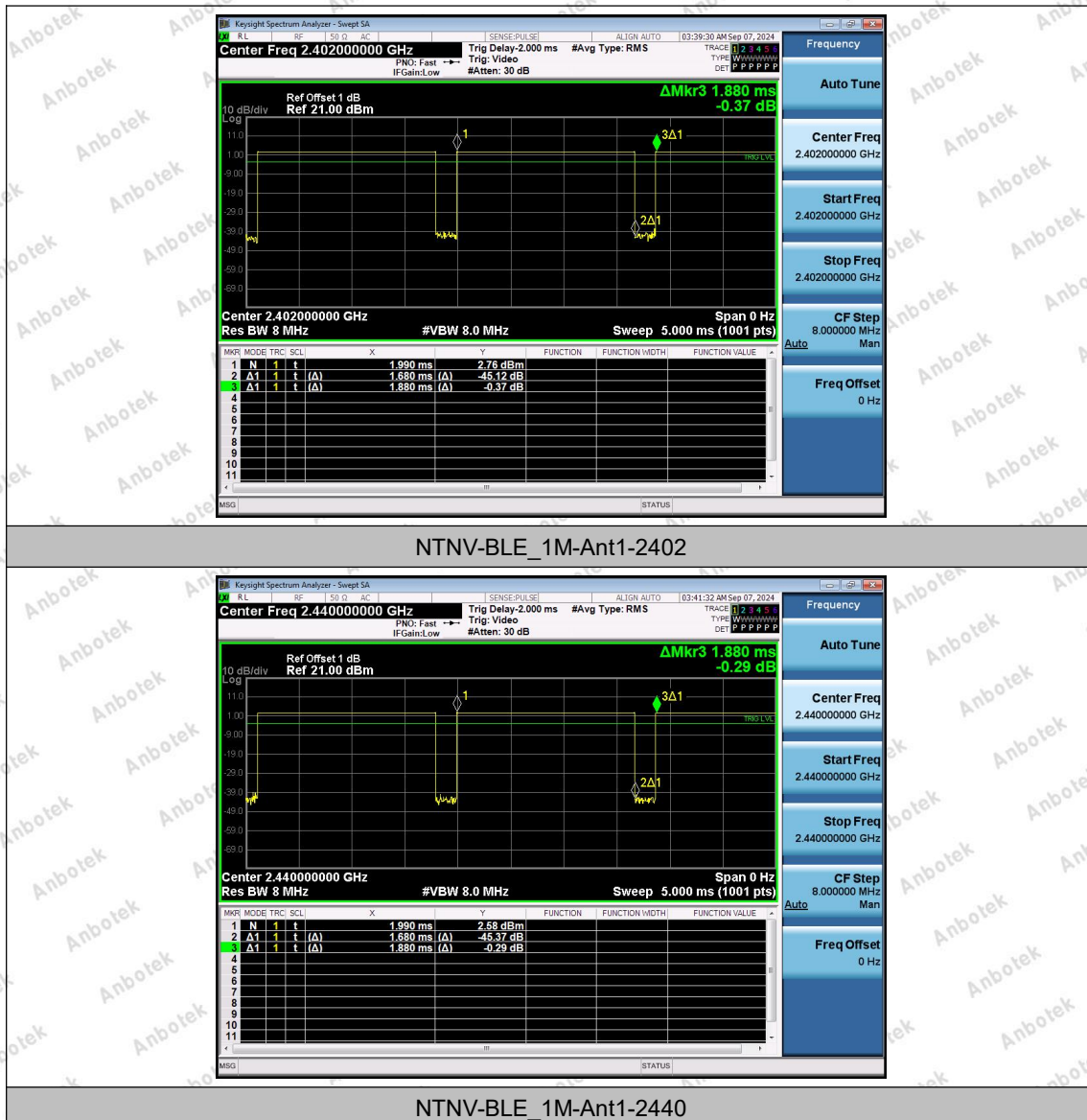
Appendix G: Duty Cycle

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



Test Graphs



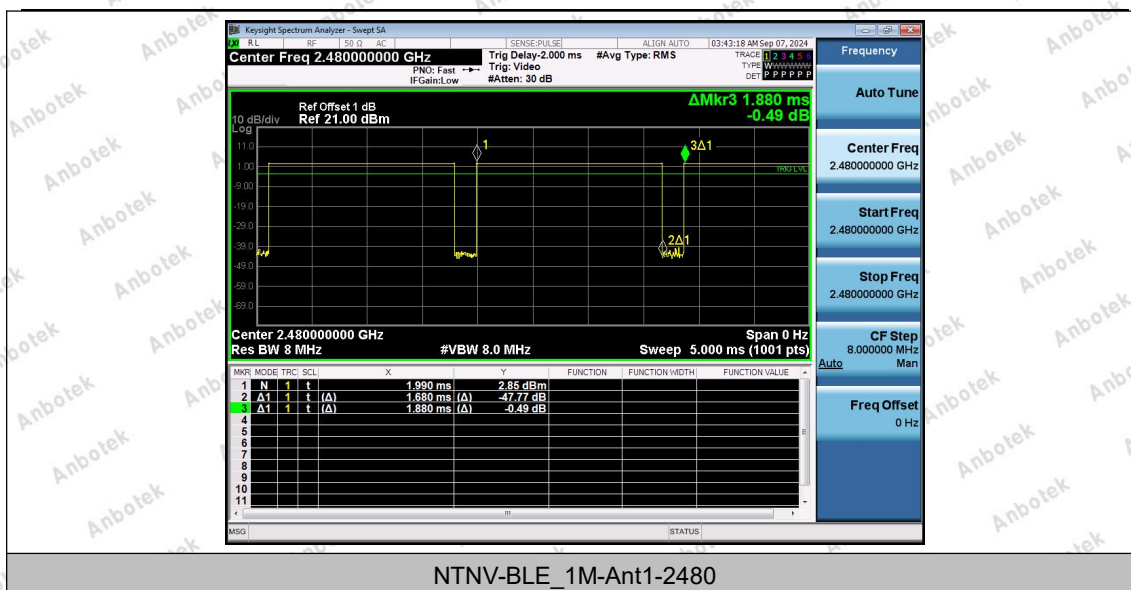
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