

Appendix Test Data

Report No.:	182512C400329102	Test Sample No.:	1-2-2
Start Test Date:	2024.7.17	Finish Test Date:	2024.7.17
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

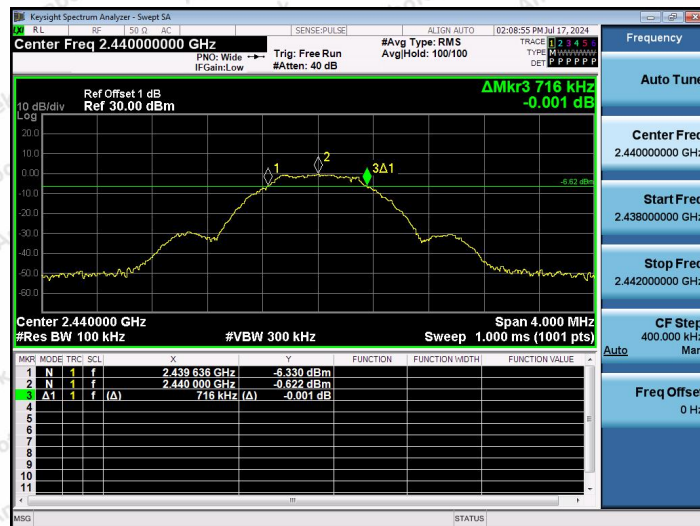
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.656	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.636	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.668	2480.320	0.5	PASS



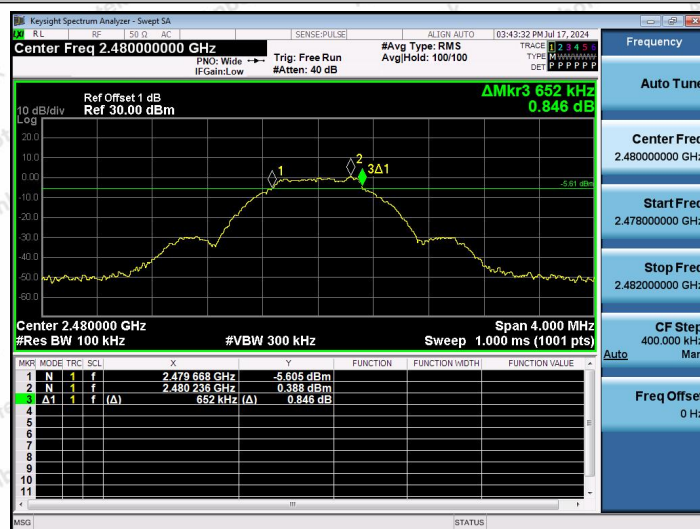
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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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	1.0389	2401.4802	2402.5191	---	---
BLE_1M	Ant1	2440	1.0447	2439.4799	2440.5246	---	---
BLE_1M	Ant1	2480	1.0274	2479.4869	2480.5143	---	---

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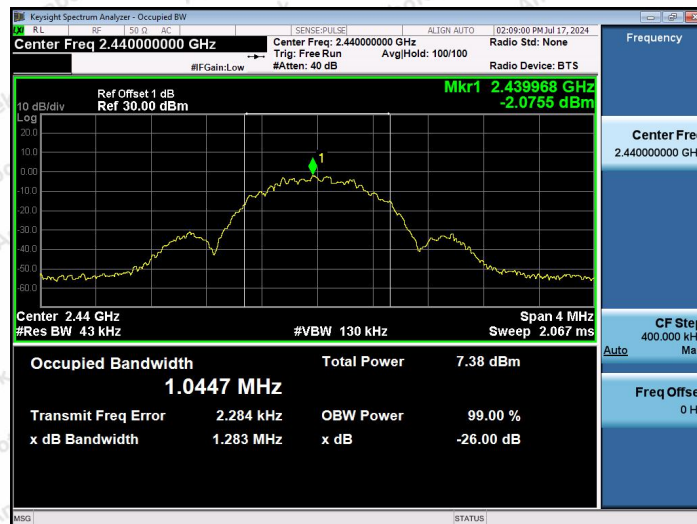
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Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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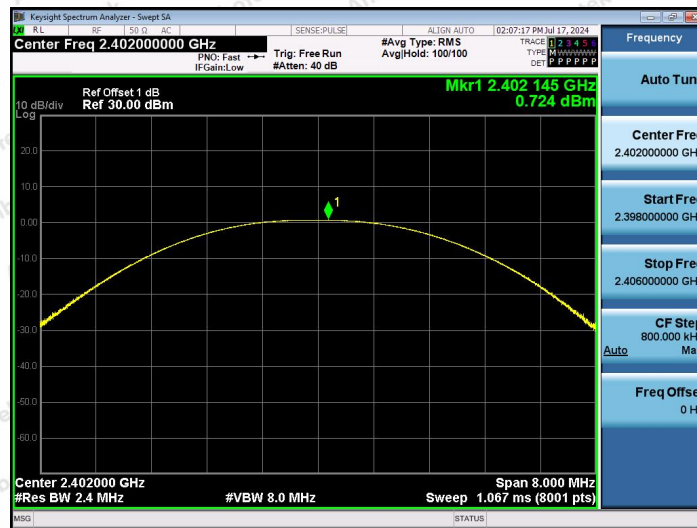
Appendix C: Maximum conducted output power

Test Result Peak

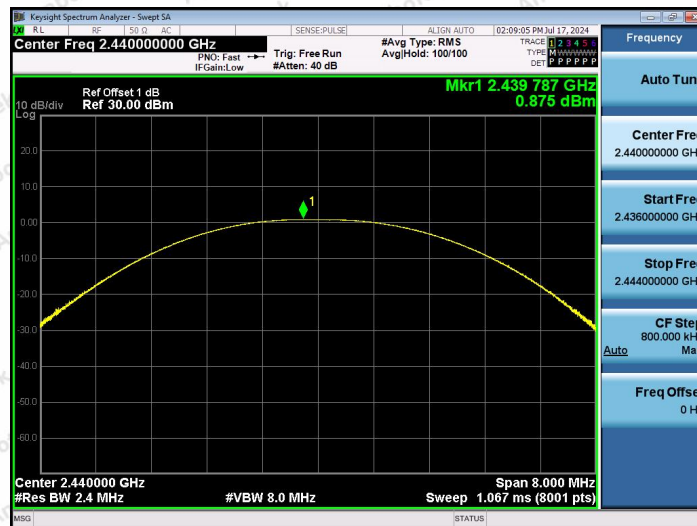
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.72	≤30	PASS
BLE_1M	Ant1	2440	0.88	≤30	PASS
BLE_1M	Ant1	2480	1.03	≤30	PASS



Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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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	-15.55	≤8.00	PASS
BLE_1M	Ant1	2440	-15.38	≤8.00	PASS
BLE_1M	Ant1	2480	-15.24	≤8.00	PASS



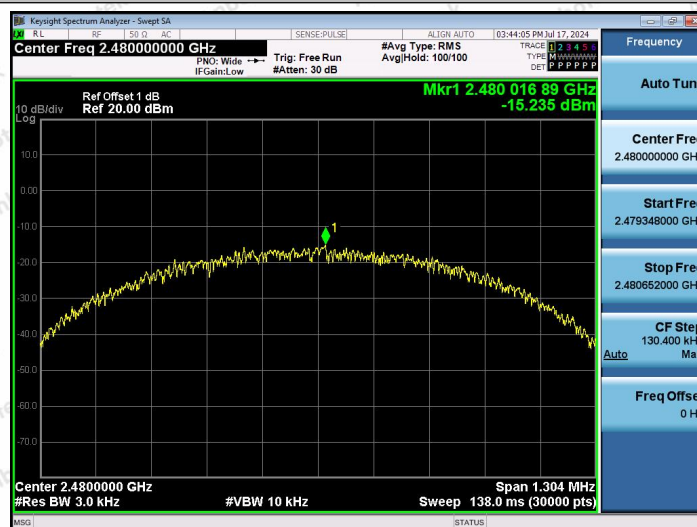
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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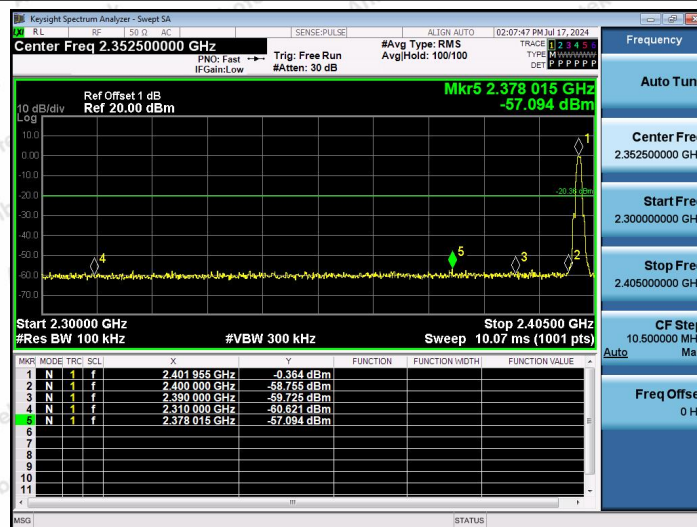
Appendix E: Band edge measurements

Test Result

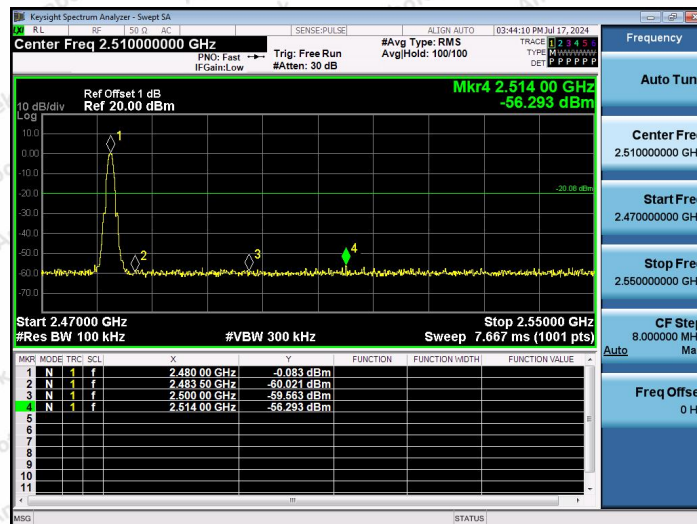
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.36	-57.09	≤-20.36	PASS
BLE_1M	Ant1	High	2480	-0.08	-56.29	≤-20.08	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

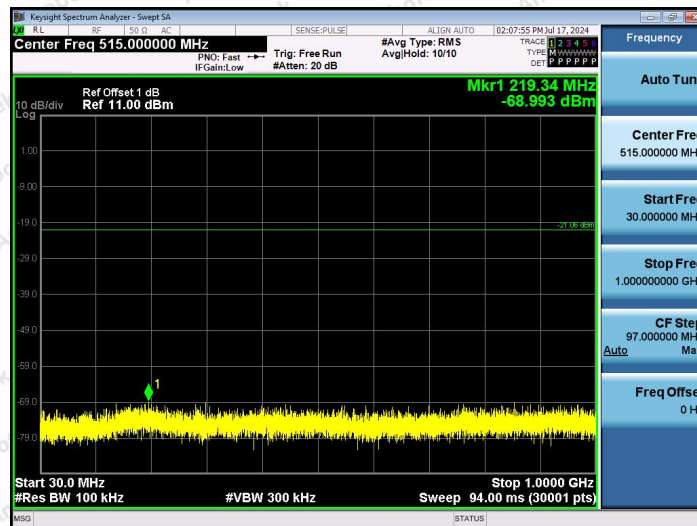
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.06	-1.06	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.06	-68.99	≤-21.06	PASS
BLE_1M	Ant1	2402	1000~26500	-1.06	-53.02	≤-21.06	PASS
BLE_1M	Ant1	2440	0~Reference	-0.86	-0.86	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.86	-68.65	≤-20.86	PASS
BLE_1M	Ant1	2440	1000~26500	-0.86	-53.24	≤-20.86	PASS
BLE_1M	Ant1	2480	0~Reference	-0.62	-0.62	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.62	-68.44	≤-20.62	PASS
BLE_1M	Ant1	2480	1000~26500	-0.62	-52.81	≤-20.62	PASS



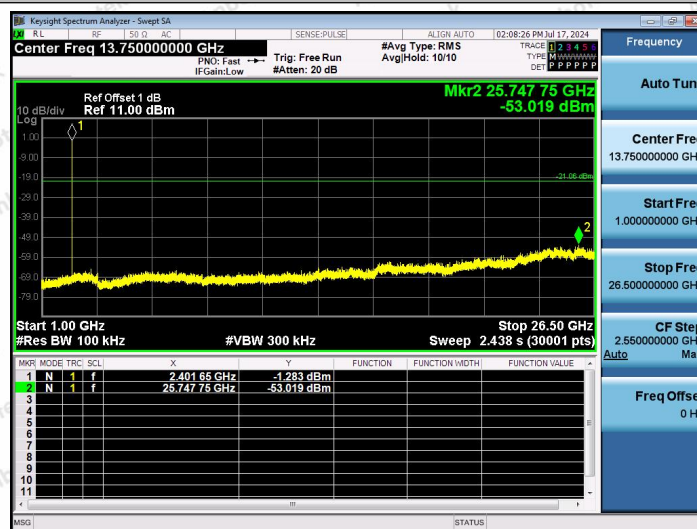
Test Graphs



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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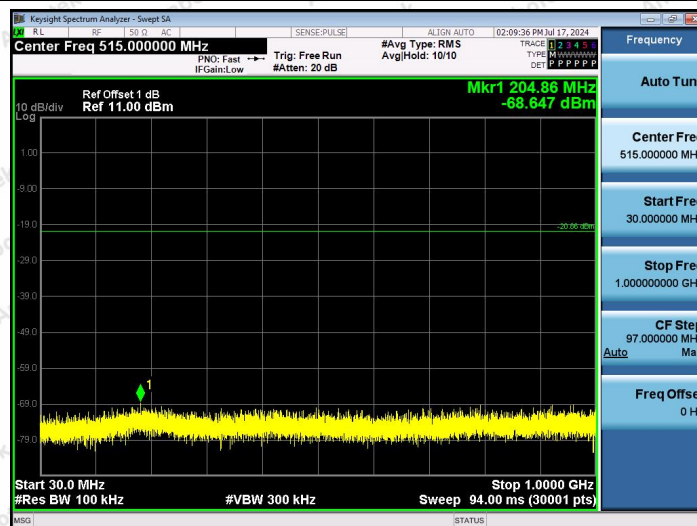


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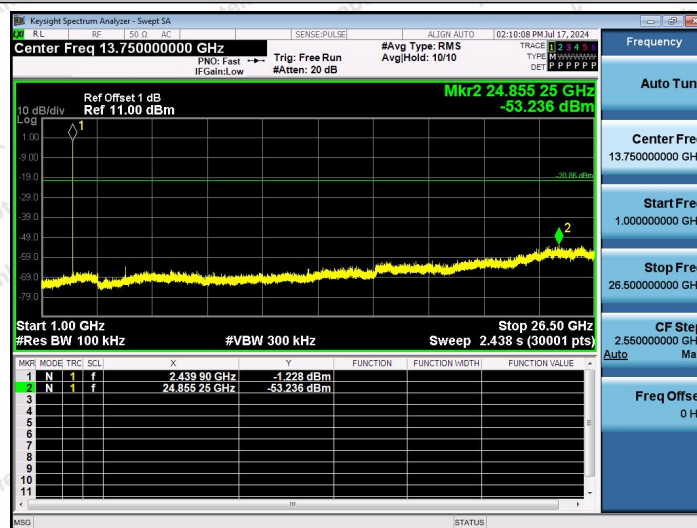




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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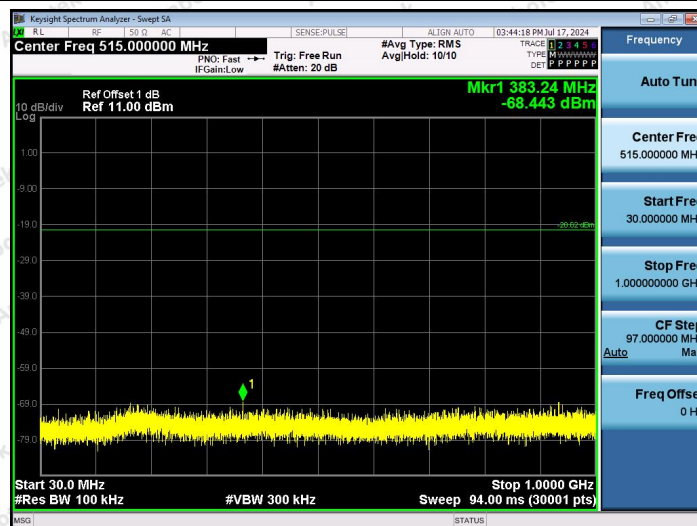


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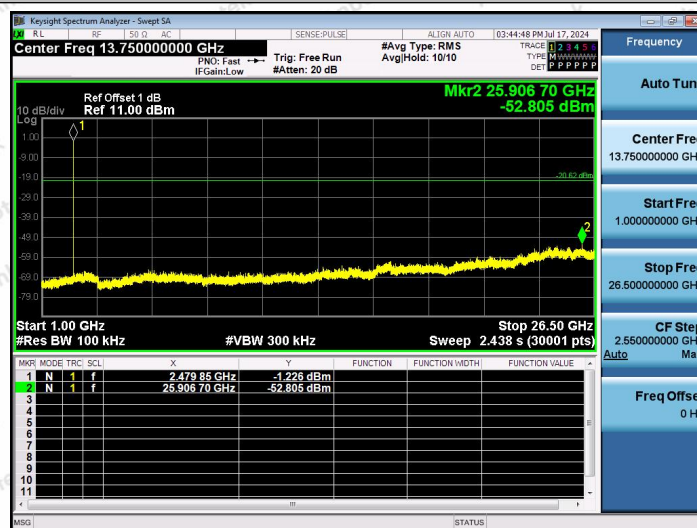




BLE_1M-Ant1-2480-0~Reference-PASS



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	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

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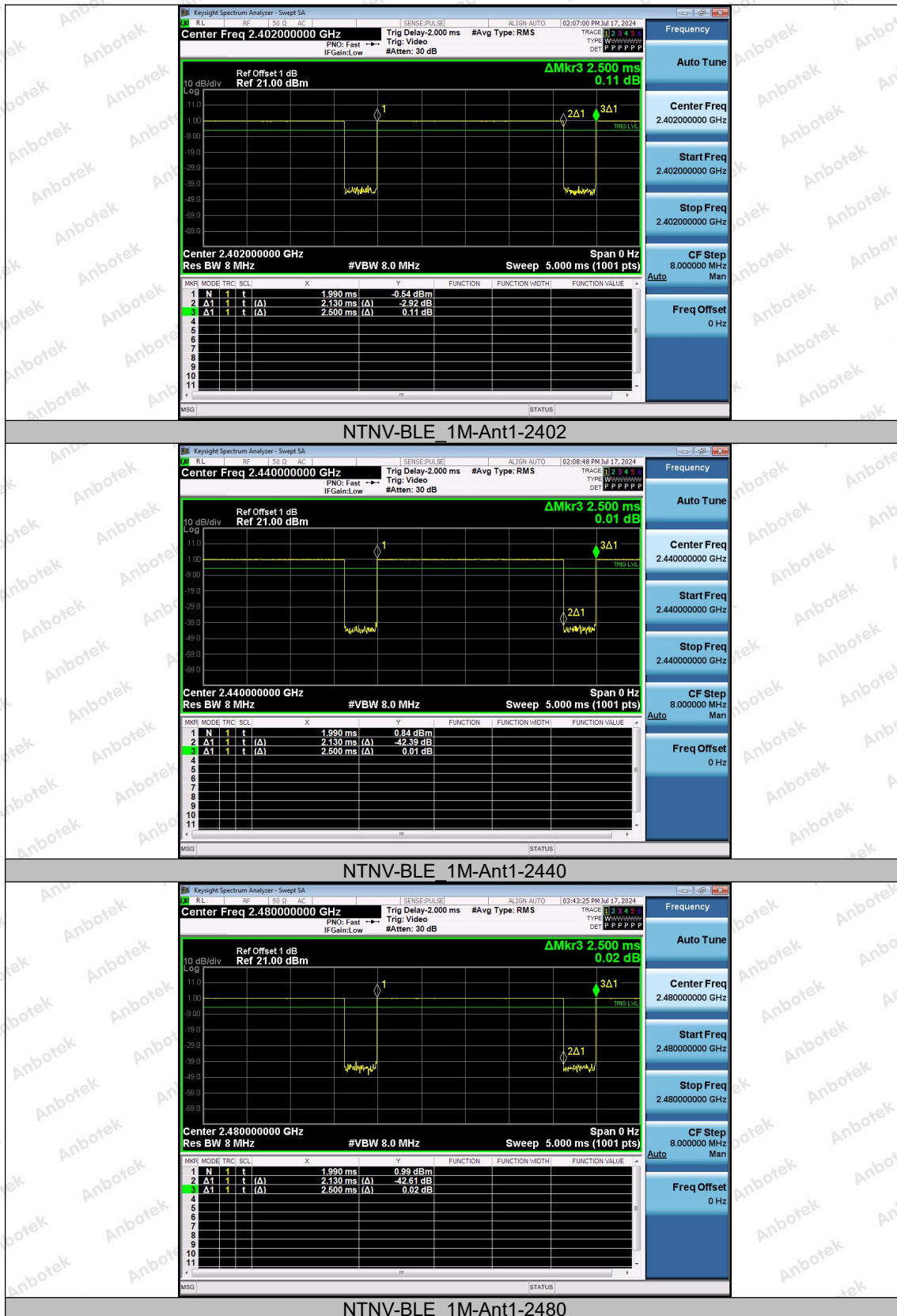
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Test Graphs



---End---

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