

Appendix Test Data

Report No.:	182512C400099101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.28	Finish Test Date:	2024.6.3
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

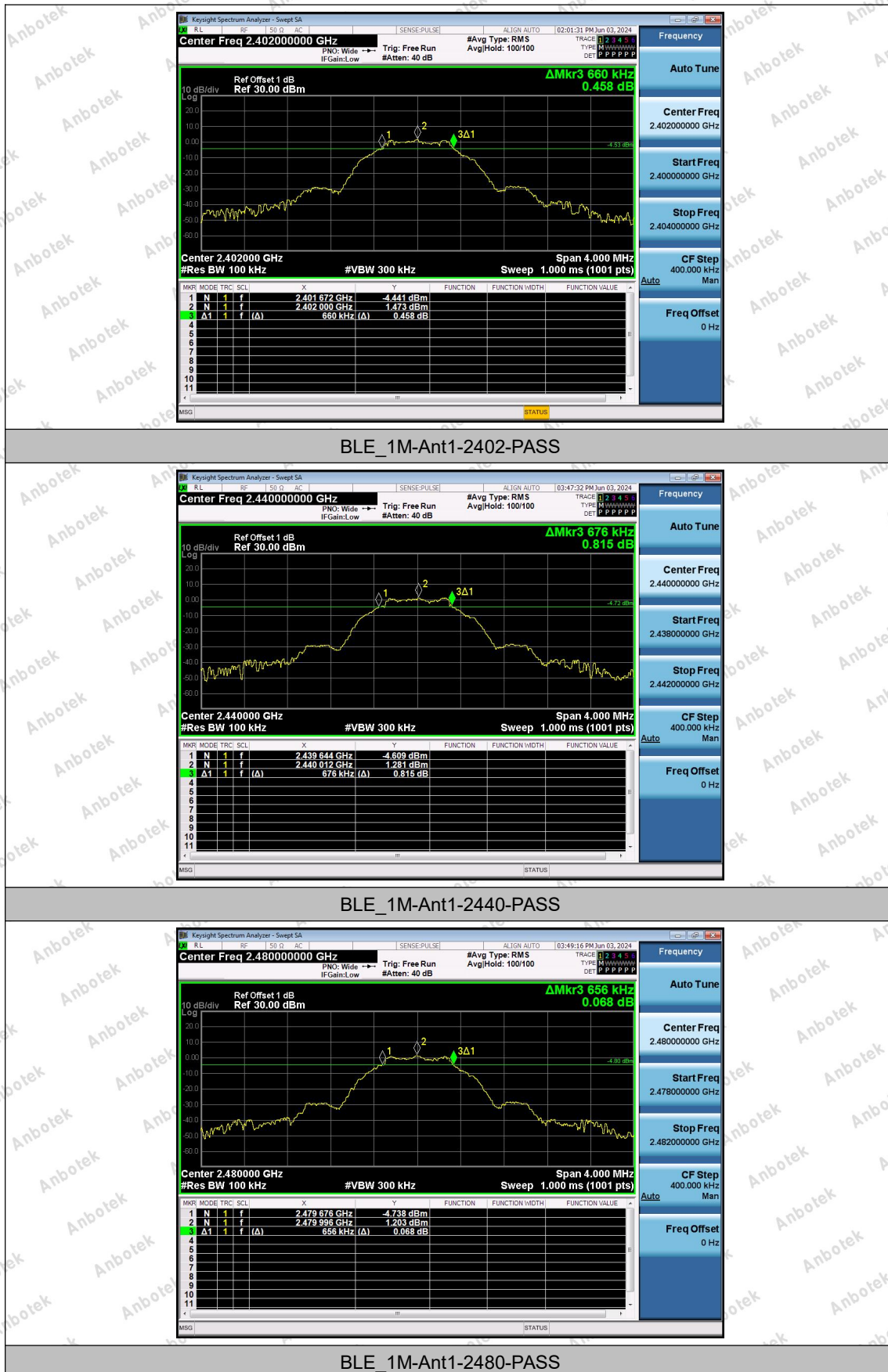
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.672	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.676	2439.644	2440.320	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.676	2480.332	0.5	PASS



Test Graphs



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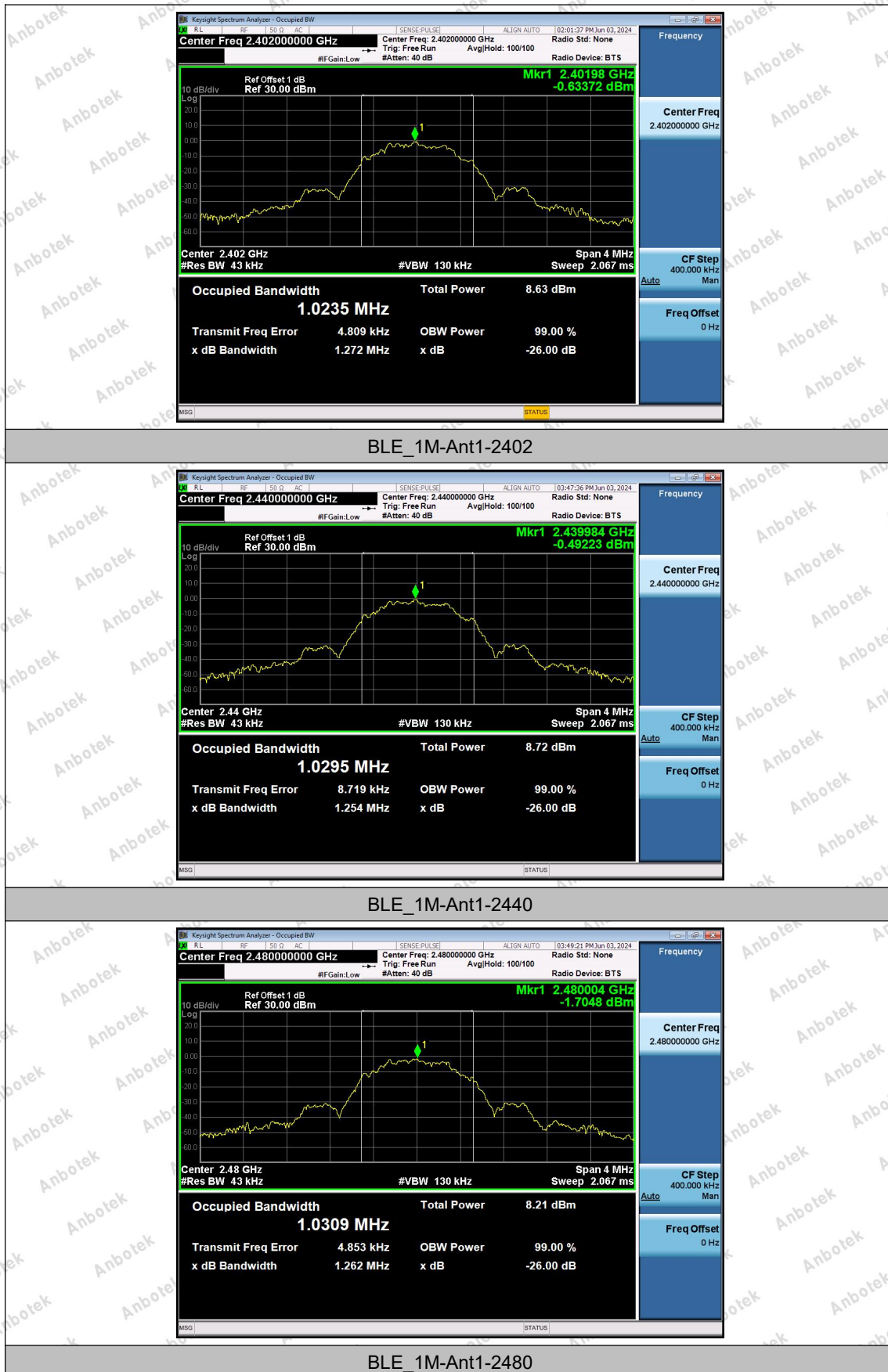
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0235	2401.4931	2402.5166	---	---
BLE_1M	Ant1	2440	1.0295	2439.4940	2440.5235	---	---
BLE_1M	Ant1	2480	1.0309	2479.4894	2480.5203	---	---



Test Graphs



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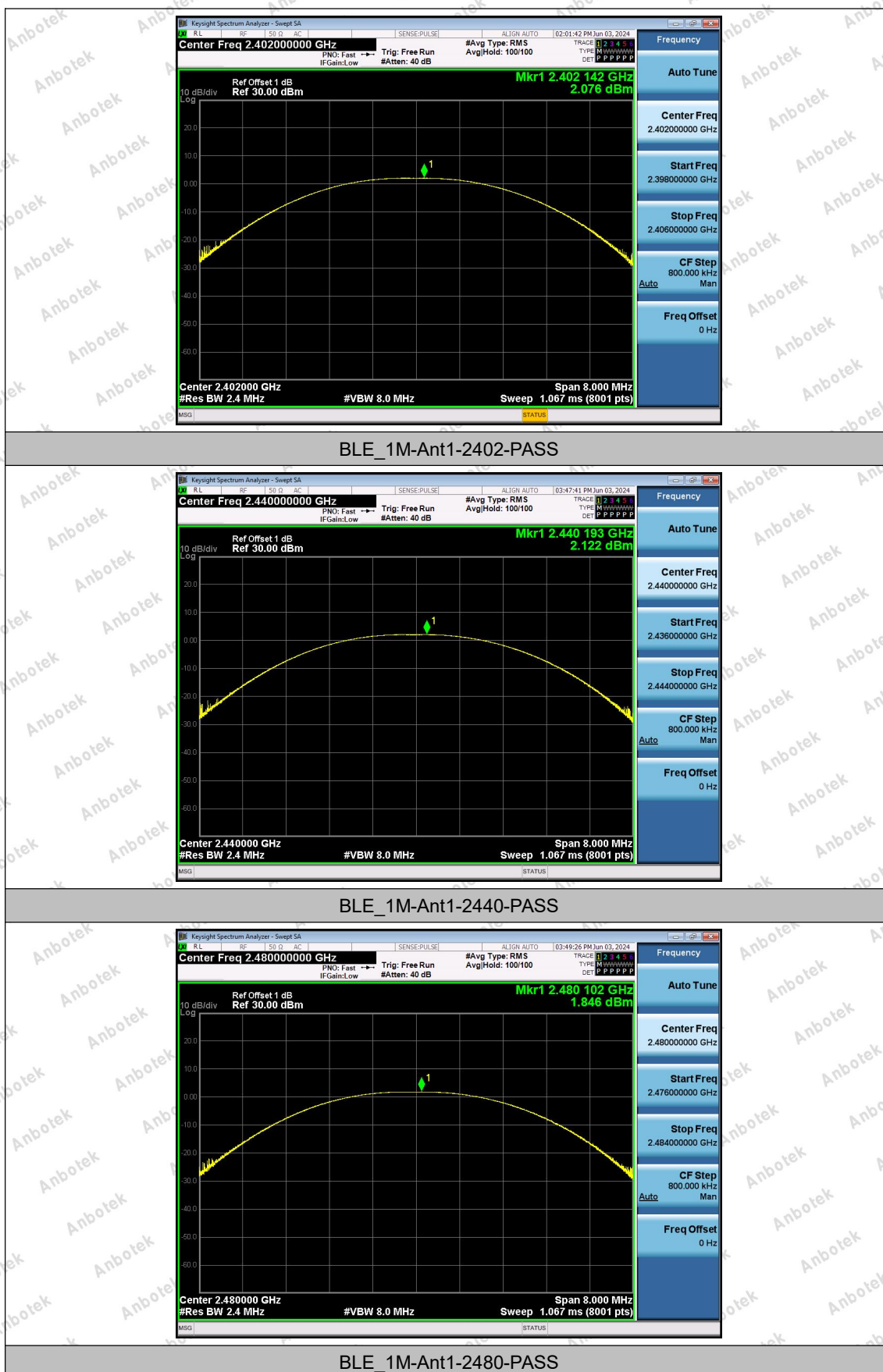
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.08	≤30	PASS
BLE_1M	Ant1	2440	2.12	≤30	PASS
BLE_1M	Ant1	2480	1.85	≤30	PASS



Test Graphs Peak



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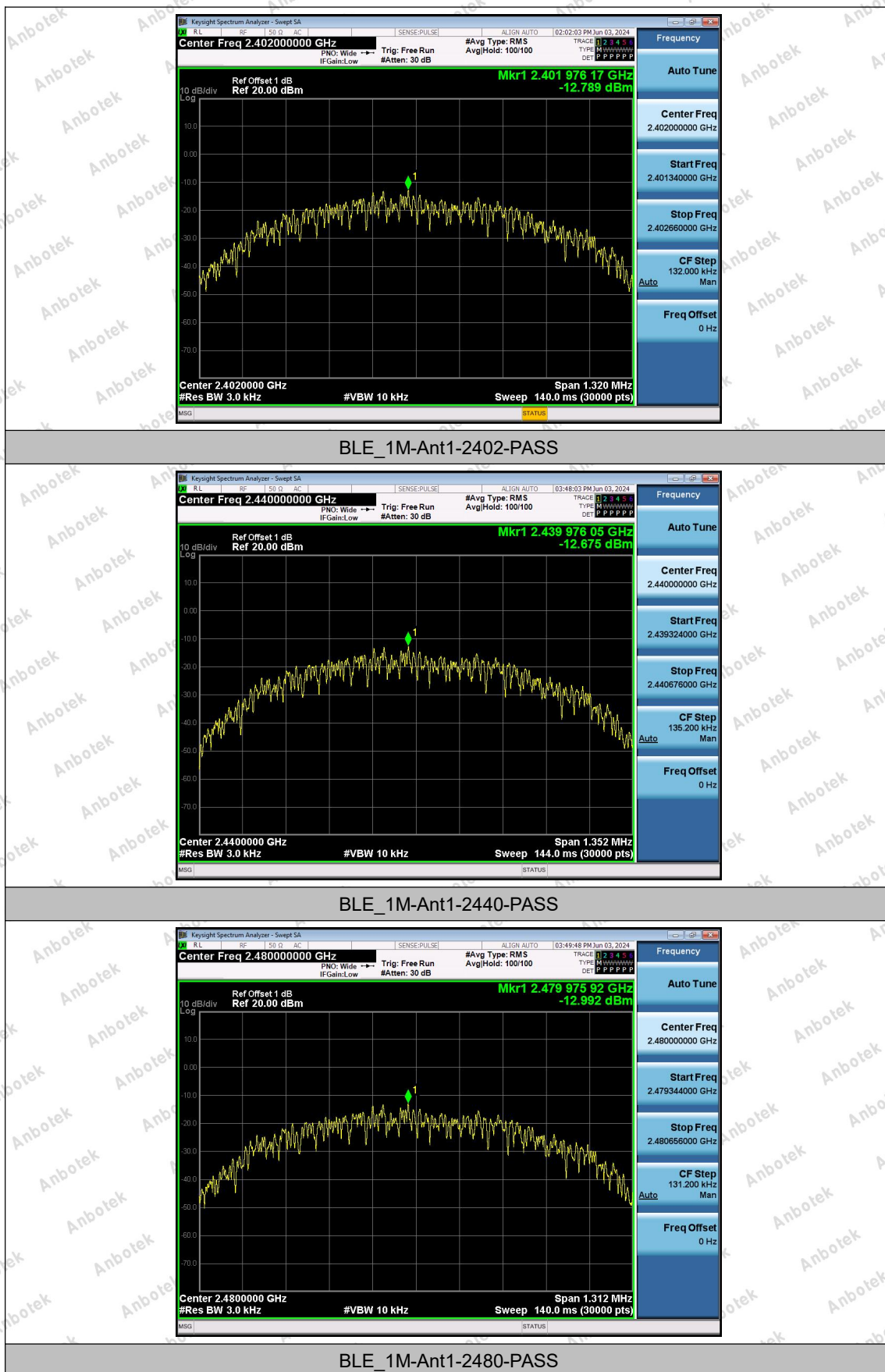
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.79	≤8.00	PASS
BLE_1M	Ant1	2440	-12.68	≤8.00	PASS
BLE_1M	Ant1	2480	-12.99	≤8.00	PASS



Test Graphs



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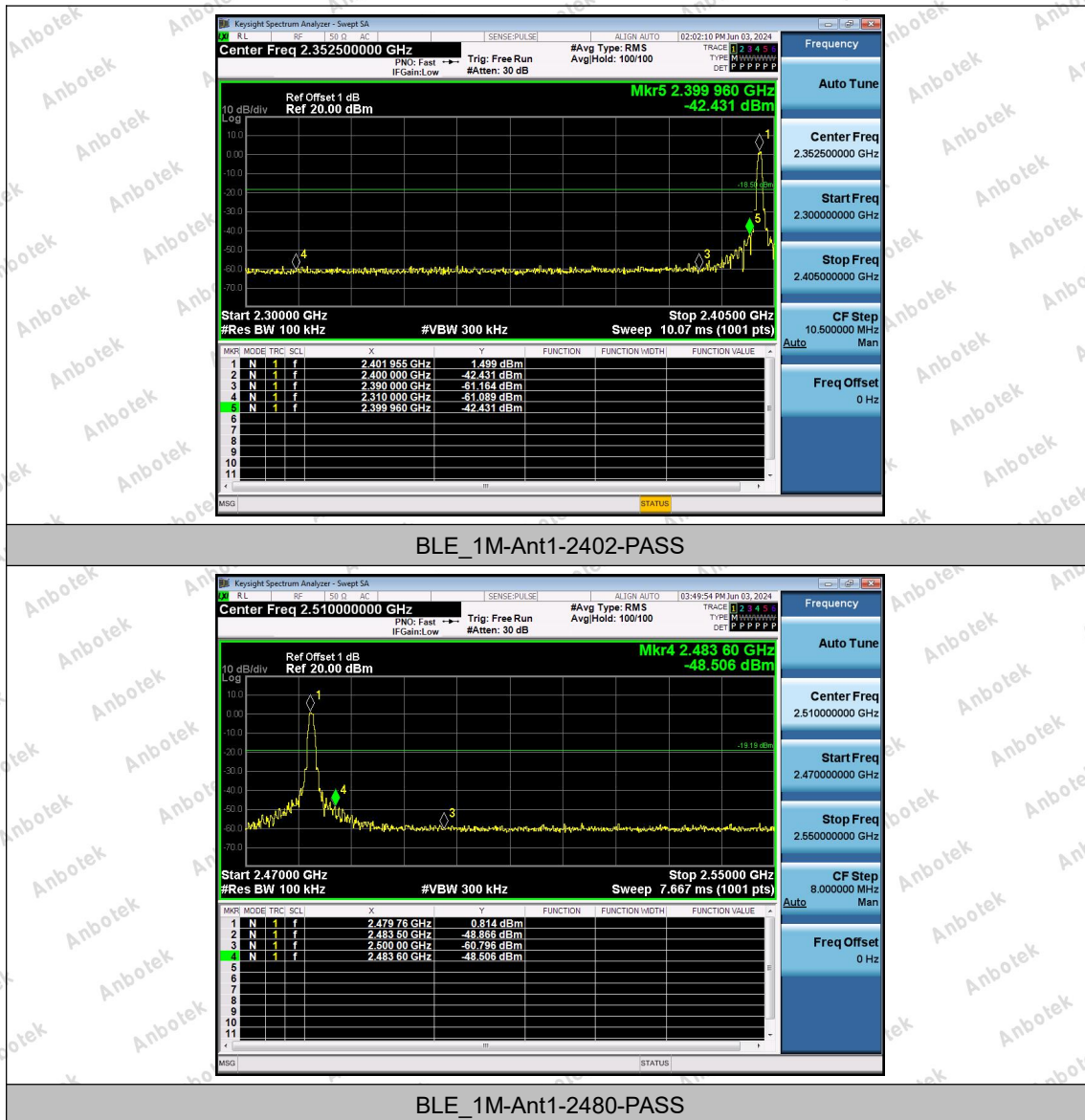
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.50	-42.43	≤-18.5	PASS
BLE_1M	Ant1	High	2480	0.81	-48.51	≤-19.19	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	0.84	0.84	---	PASS
BLE_1M	Ant1	2402	30~1000	0.84	-68.84	≤-19.16	PASS
BLE_1M	Ant1	2402	1000~26500	0.84	-47.66	≤-19.16	PASS
BLE_1M	Ant1	2440	0~Reference	1.08	1.08	---	PASS
BLE_1M	Ant1	2440	30~1000	1.08	-69.06	≤-18.92	PASS
BLE_1M	Ant1	2440	1000~26500	1.08	-46.22	≤-18.92	PASS
BLE_1M	Ant1	2480	0~Reference	0.86	0.86	---	PASS
BLE_1M	Ant1	2480	30~1000	0.86	-68.09	≤-19.14	PASS
BLE_1M	Ant1	2480	1000~26500	0.86	-48.31	≤-19.14	PASS



Test Graphs



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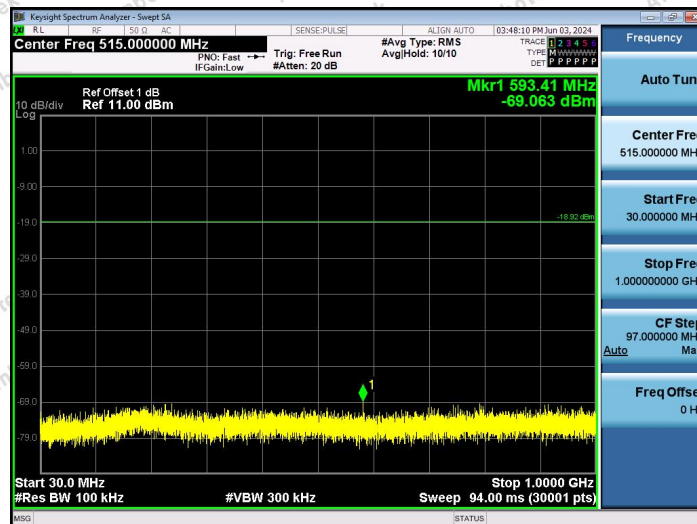


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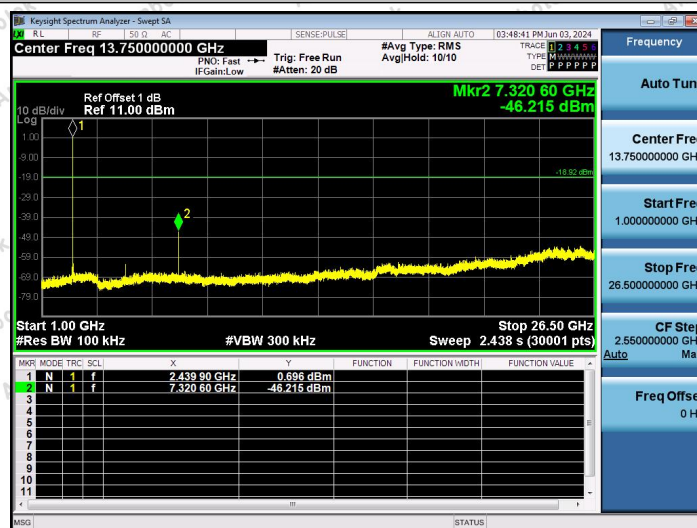




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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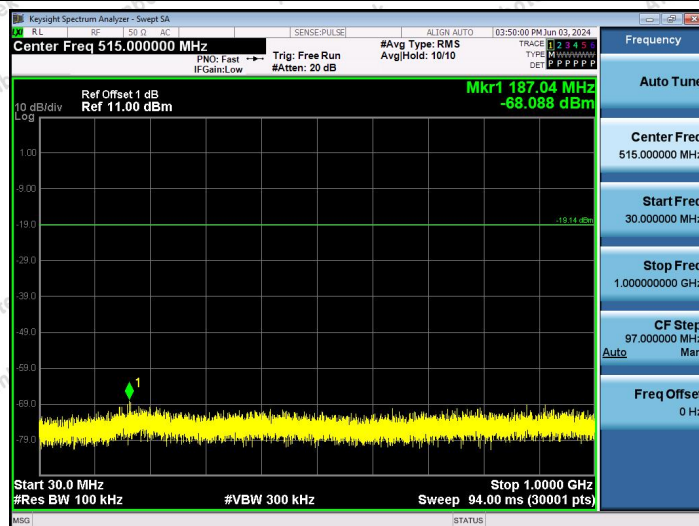


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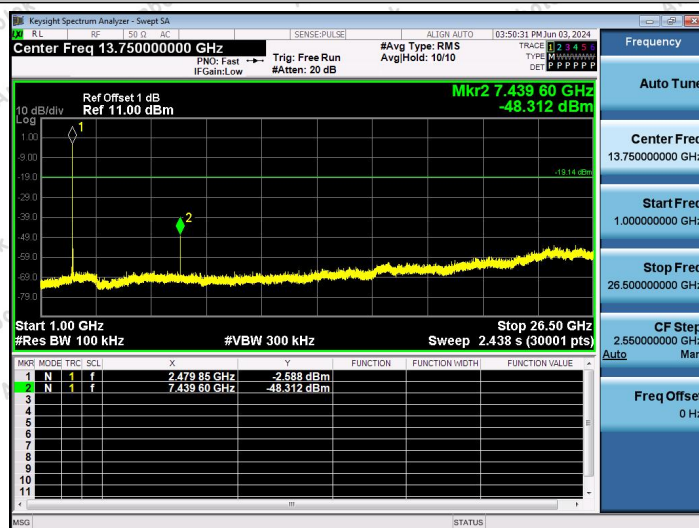




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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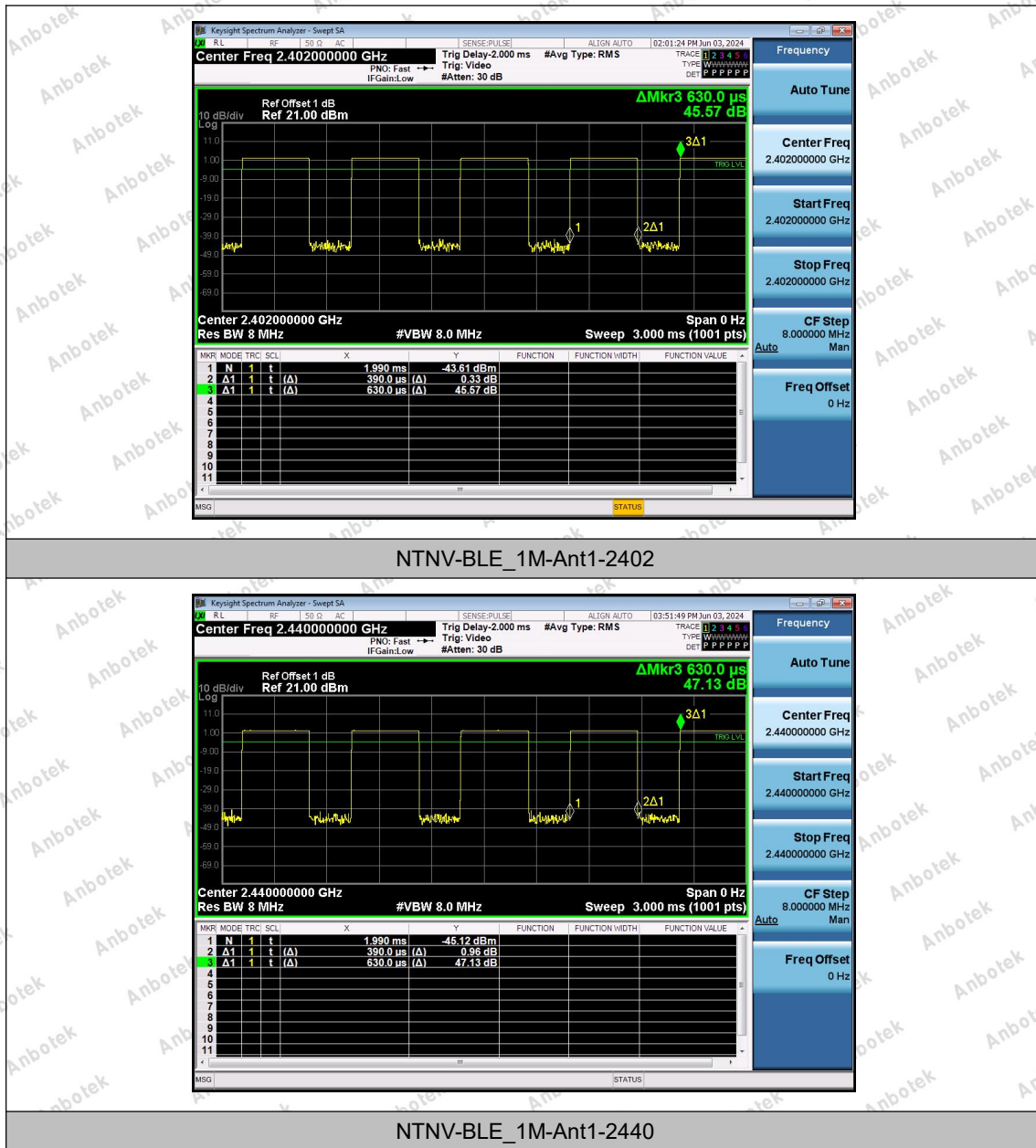
Appendix G: Duty Cycle

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	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08



Test Graphs



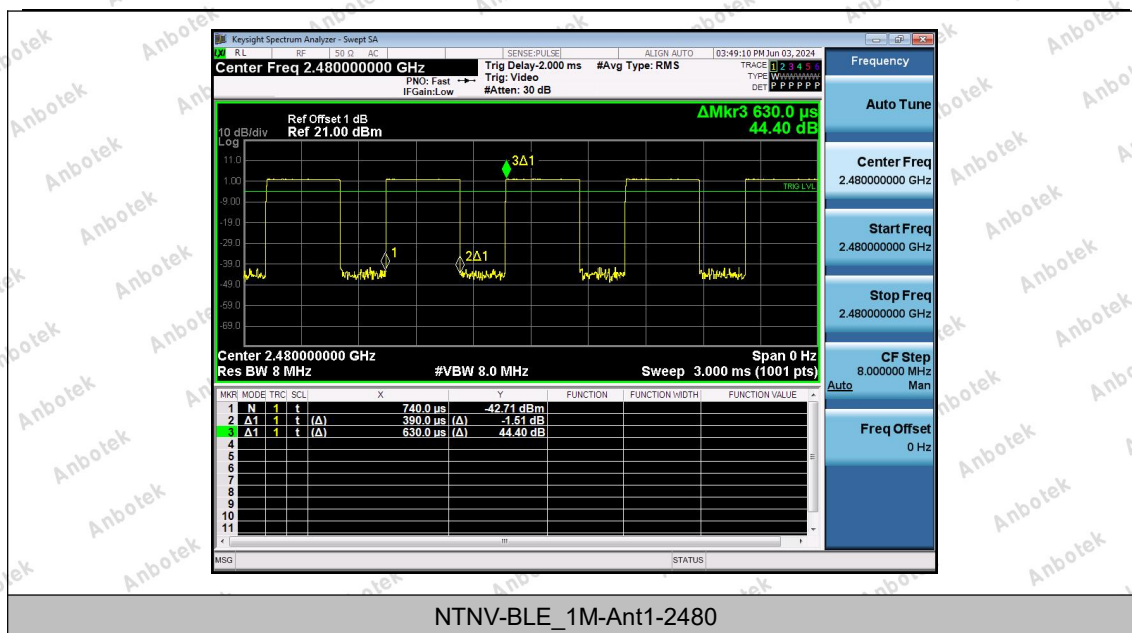
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