

Appendix Test Data

Report No.:	18220WC40085701	Test Sample No.:	1-2-2
Start Test Date:	2024.05.09	Finish Test Date:	2024.05.10
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

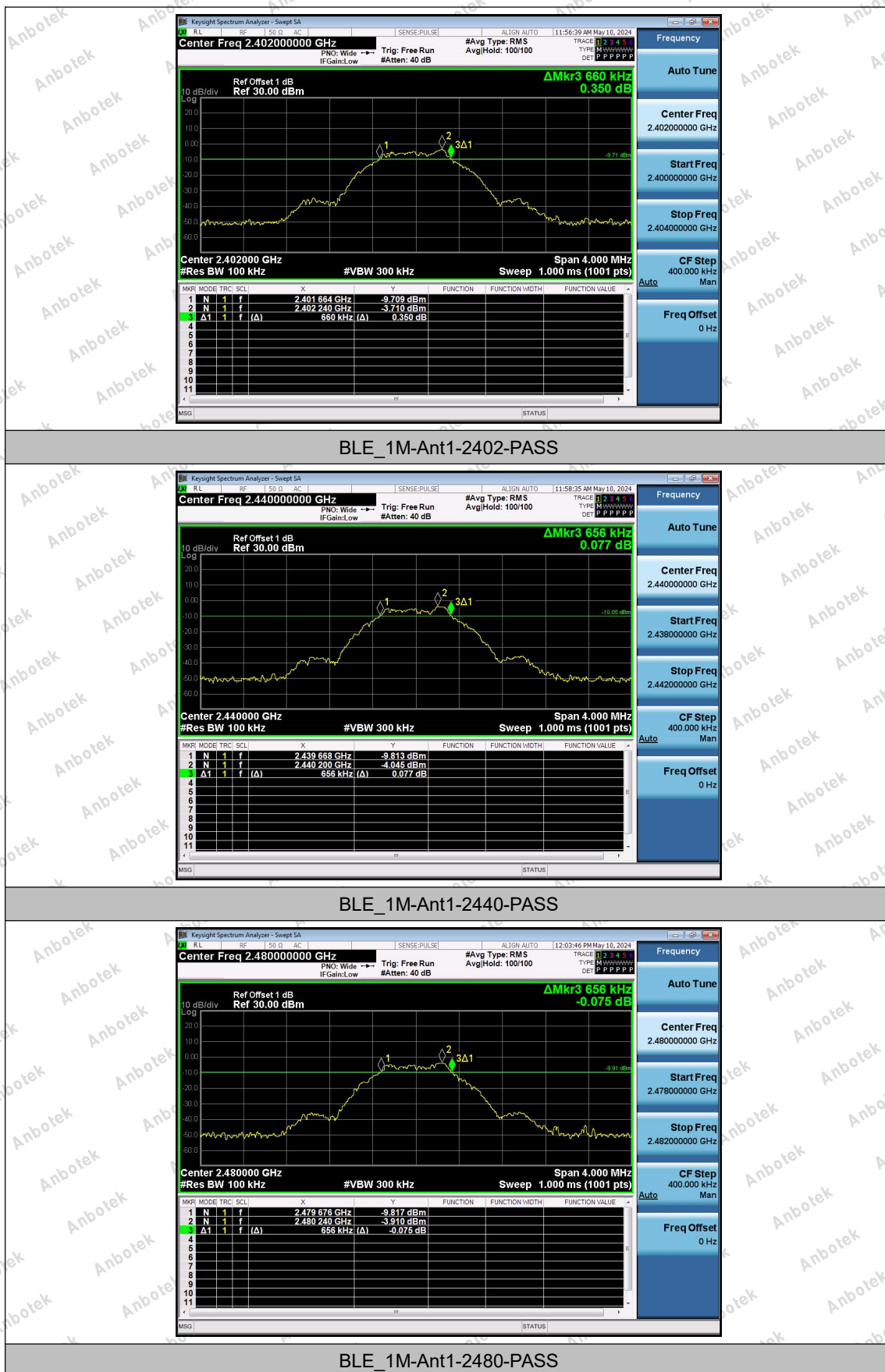
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.664	2402.324	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.668	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.676	2480.332	0.5	PASS



Test Graphs



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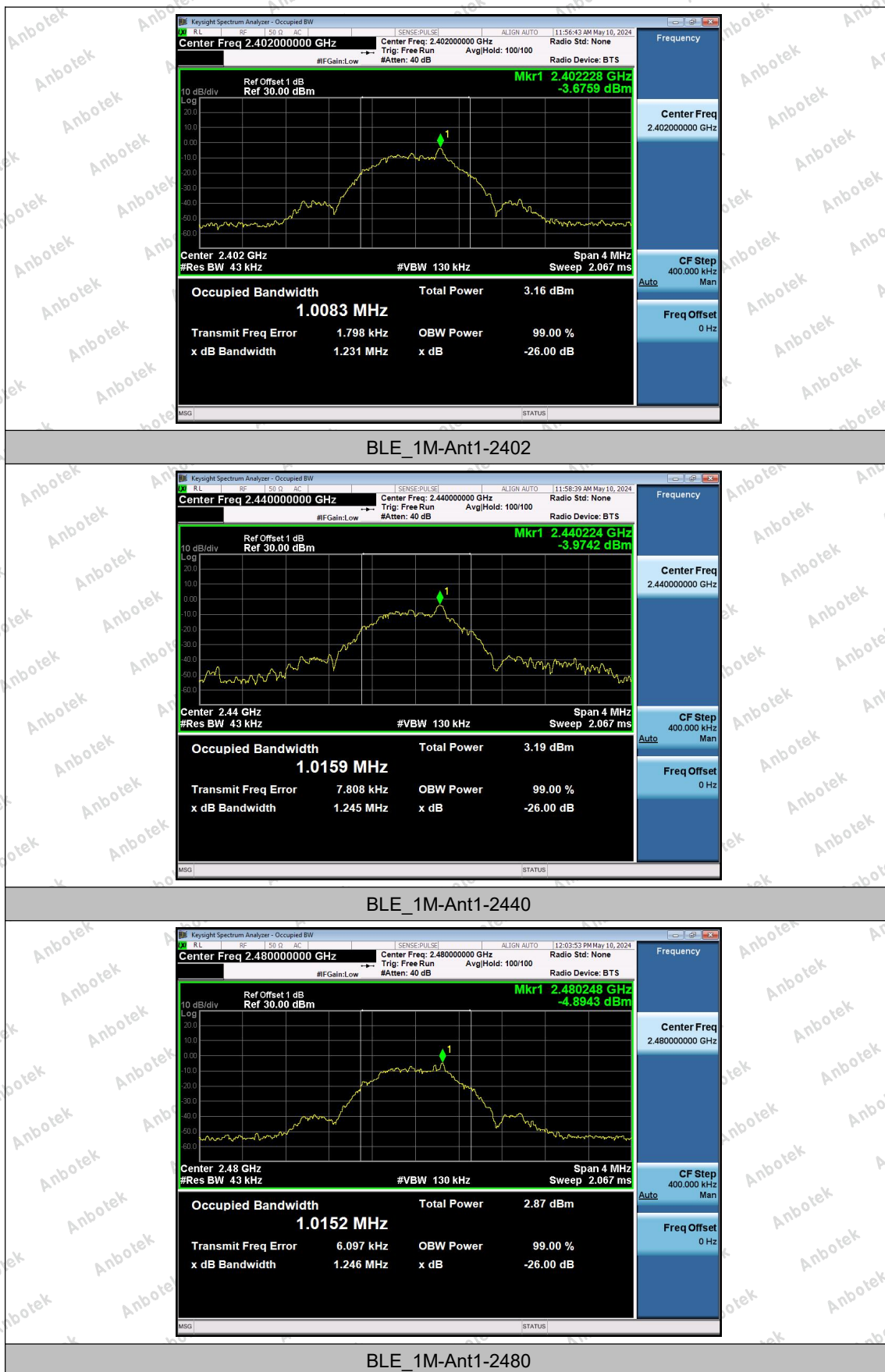
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0083	2401.4977	2402.5060	---	---
BLE_1M	Ant1	2440	1.0159	2439.4999	2440.5158	---	---
BLE_1M	Ant1	2480	1.0152	2479.4985	2480.5137	---	---



Test Graphs



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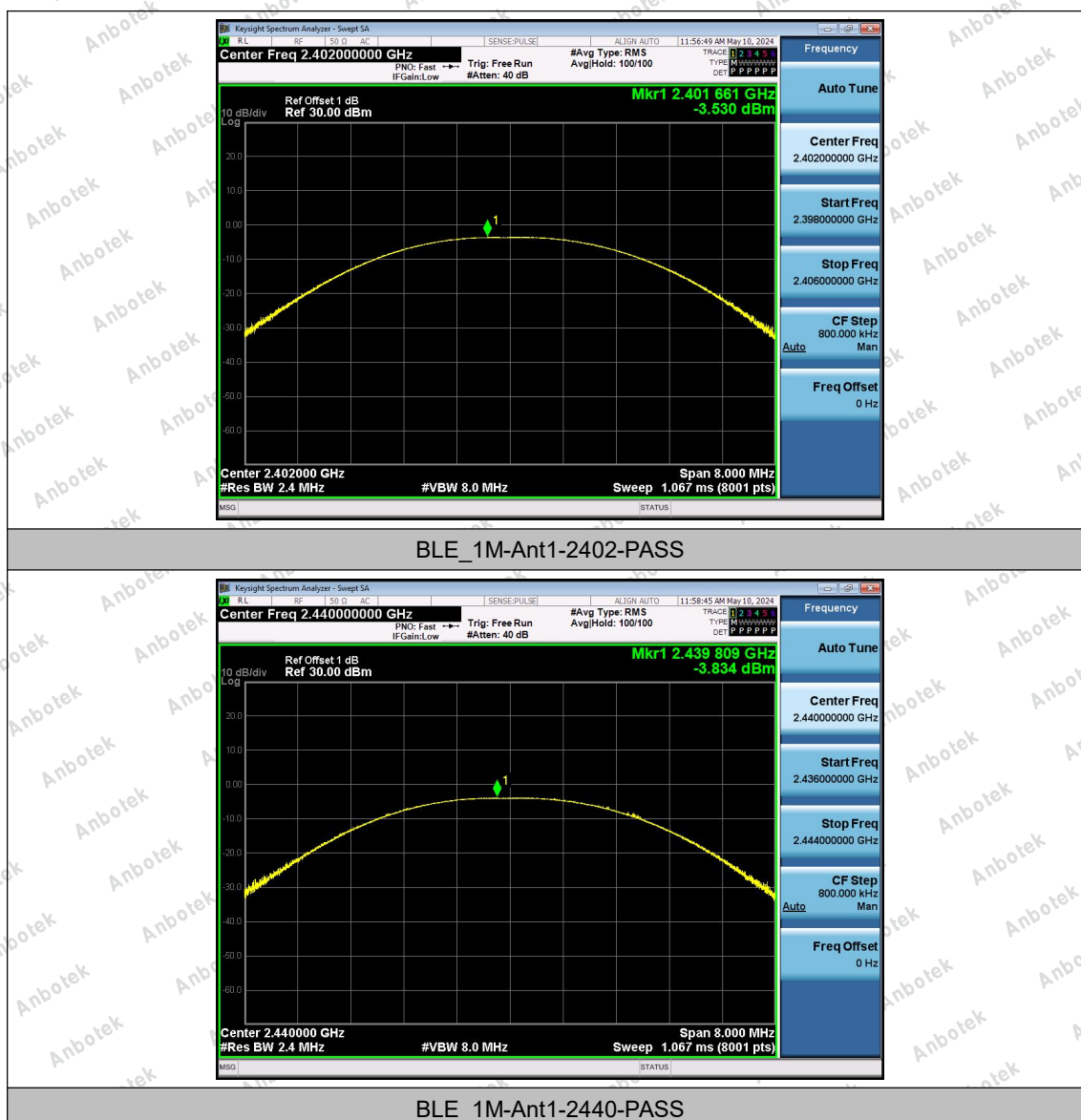


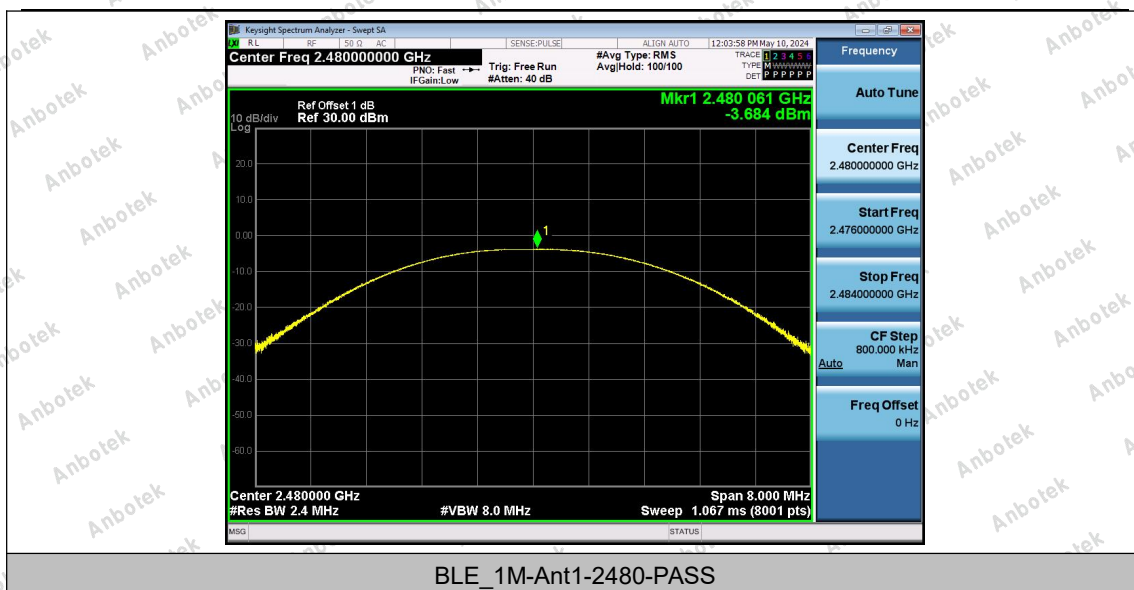
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.53	≤30	PASS
BLE_1M	Ant1	2440	-3.83	≤30	PASS
BLE_1M	Ant1	2480	-3.68	≤30	PASS

Test Graphs Peak





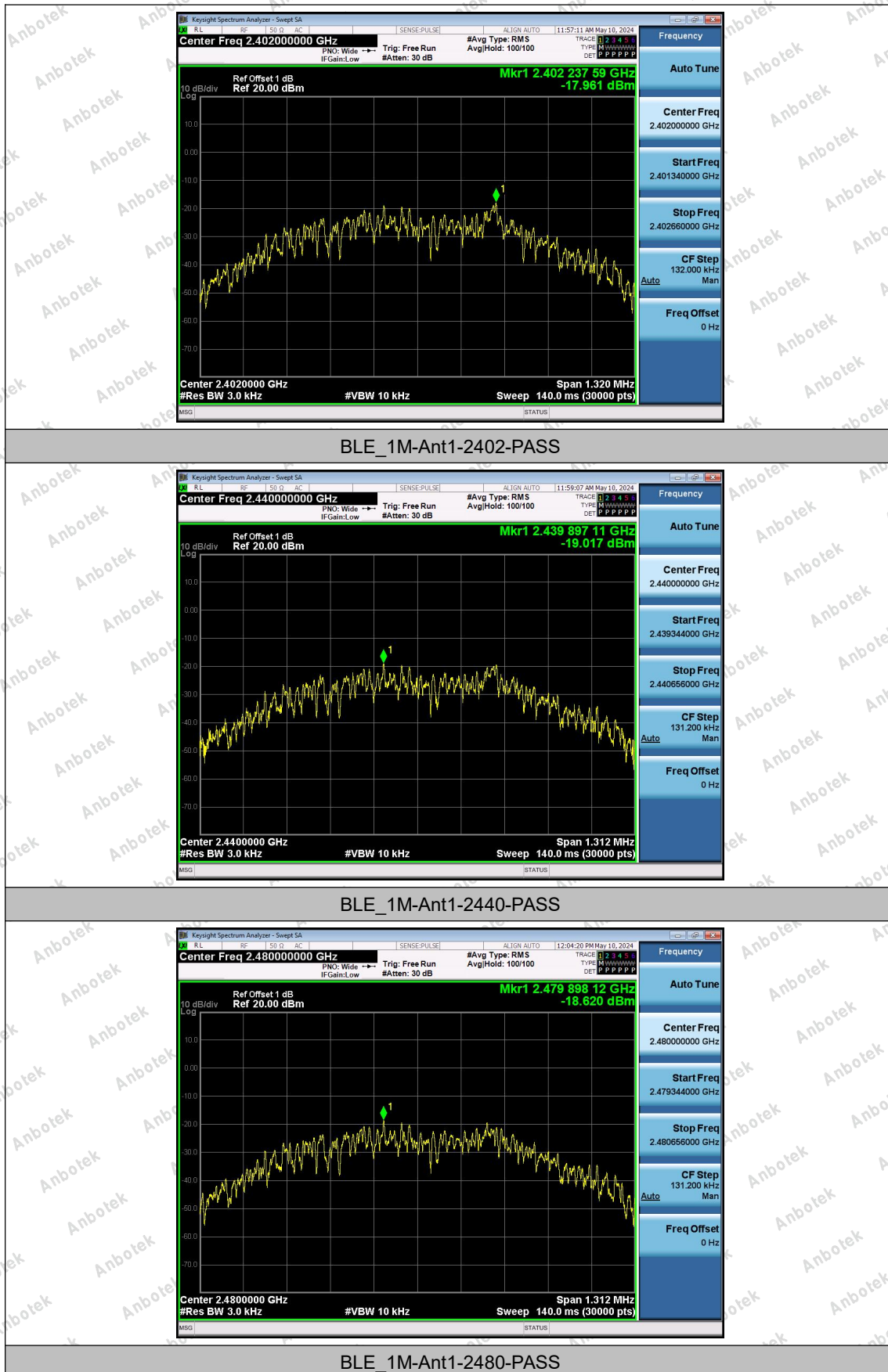
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.96	≤8.00	PASS
BLE_1M	Ant1	2440	-19.02	≤8.00	PASS
BLE_1M	Ant1	2480	-18.62	≤8.00	PASS



Test Graphs



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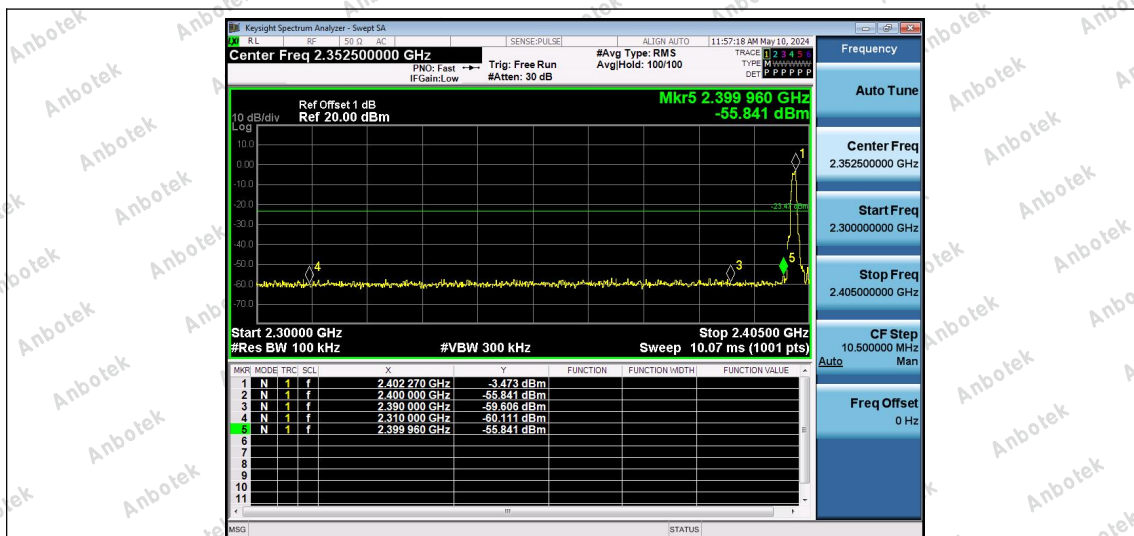
Appendix E: Band edge measurements

Test Result

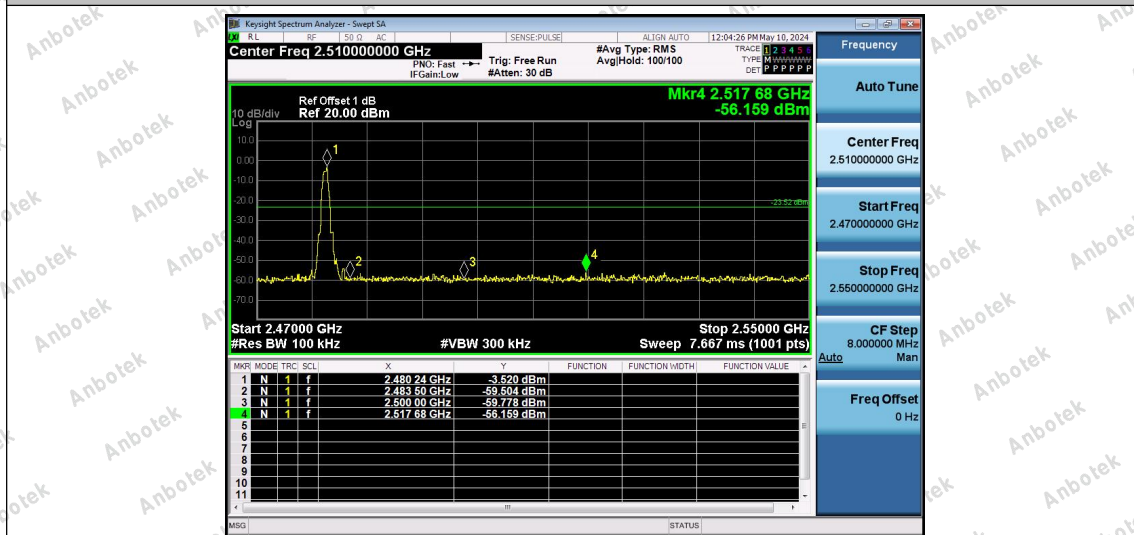
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.47	-55.84	≤-23.47	PASS
BLE_1M	Ant1	High	2480	-3.52	-56.16	≤-23.52	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



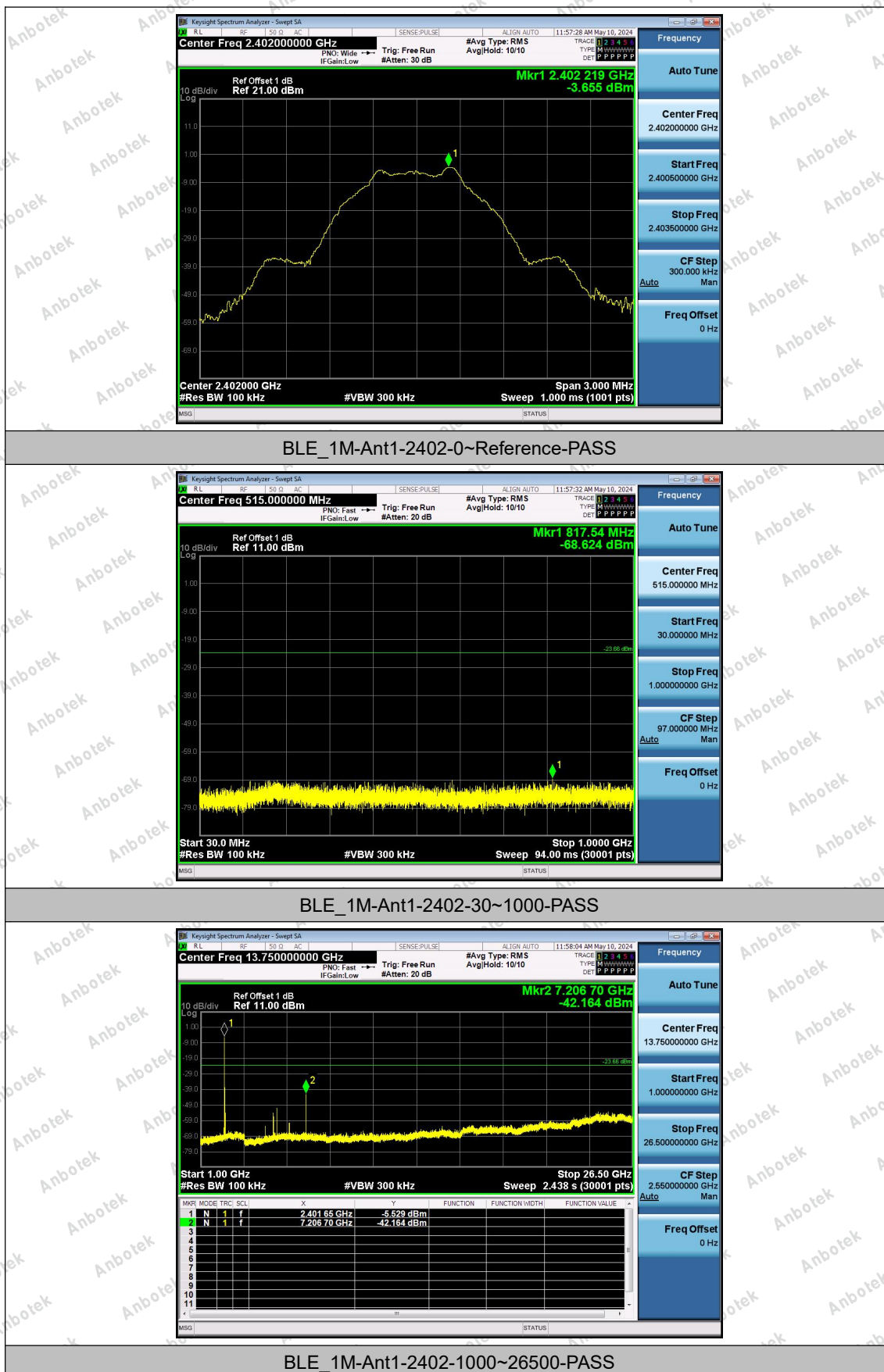
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.66	-3.66	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.66	-68.62	≤-23.66	PASS
BLE_1M	Ant1	2402	1000~26500	-3.66	-42.16	≤-23.66	PASS
BLE_1M	Ant1	2440	0~Reference	-4.01	-4.01	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.01	-68.25	≤-24.01	PASS
BLE_1M	Ant1	2440	1000~26500	-4.01	-41.92	≤-24.01	PASS
BLE_1M	Ant1	2480	0~Reference	-3.92	-3.92	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.92	-68.69	≤-23.92	PASS
BLE_1M	Ant1	2480	1000~26500	-3.92	-45.19	≤-23.92	PASS



Test Graphs



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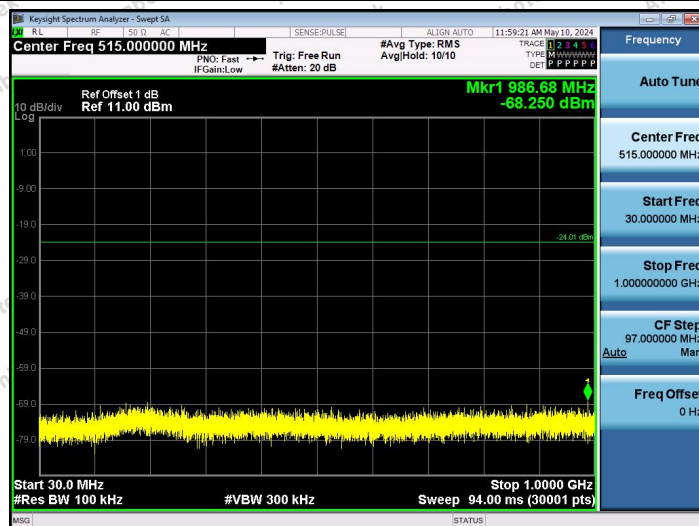


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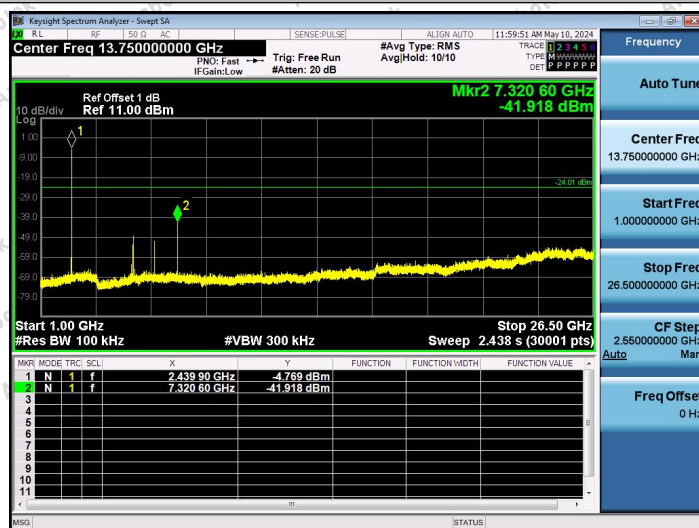




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

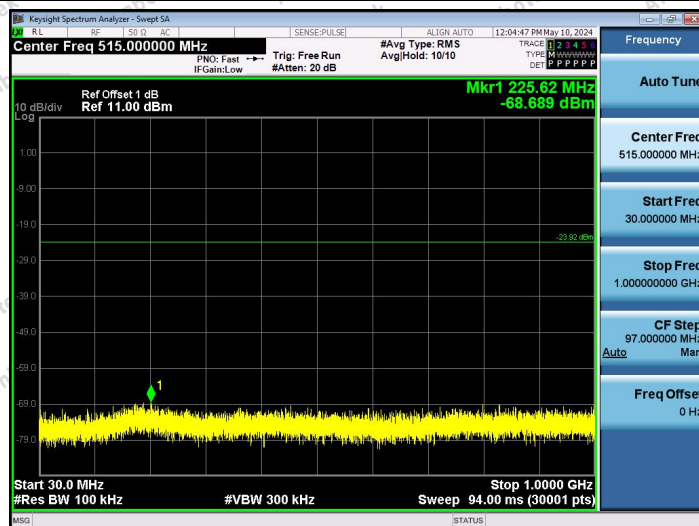


BLE_1M-Ant1-2440-1000~26500-PASS

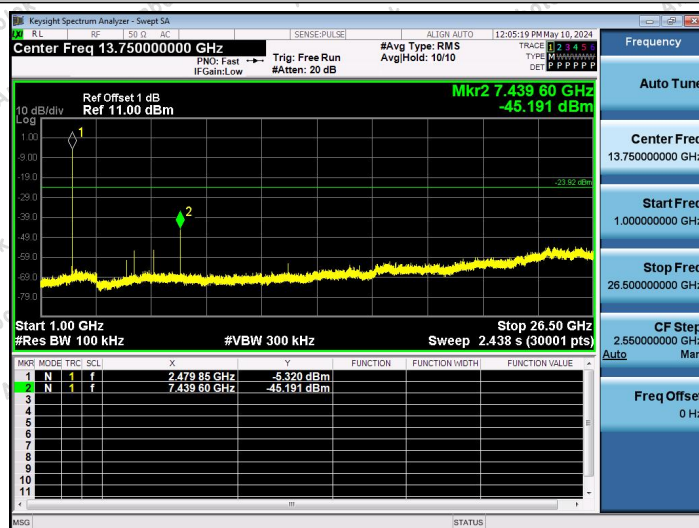




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



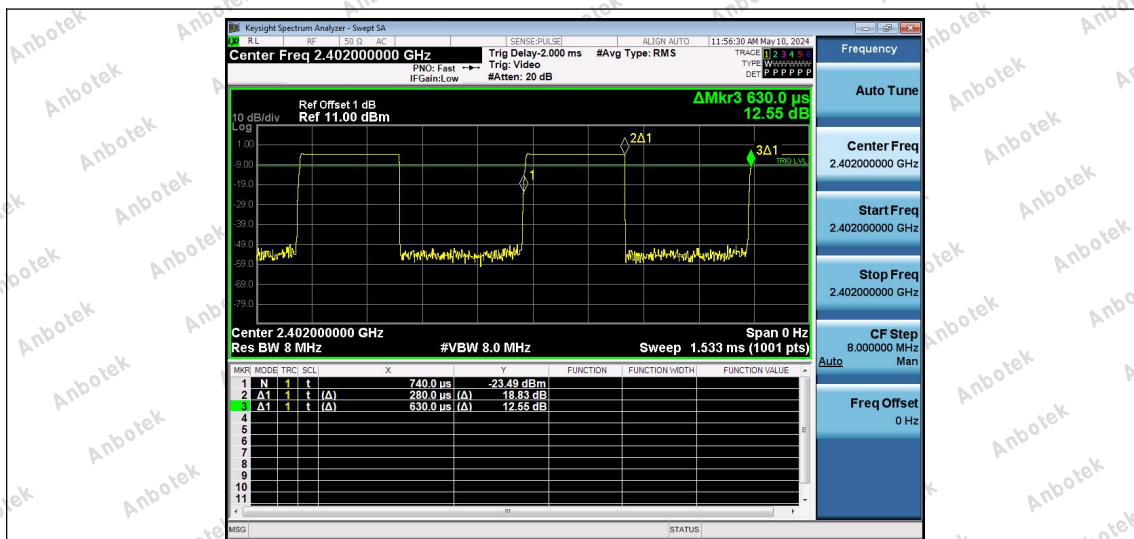
Appendix G: Duty Cycle

Test Result

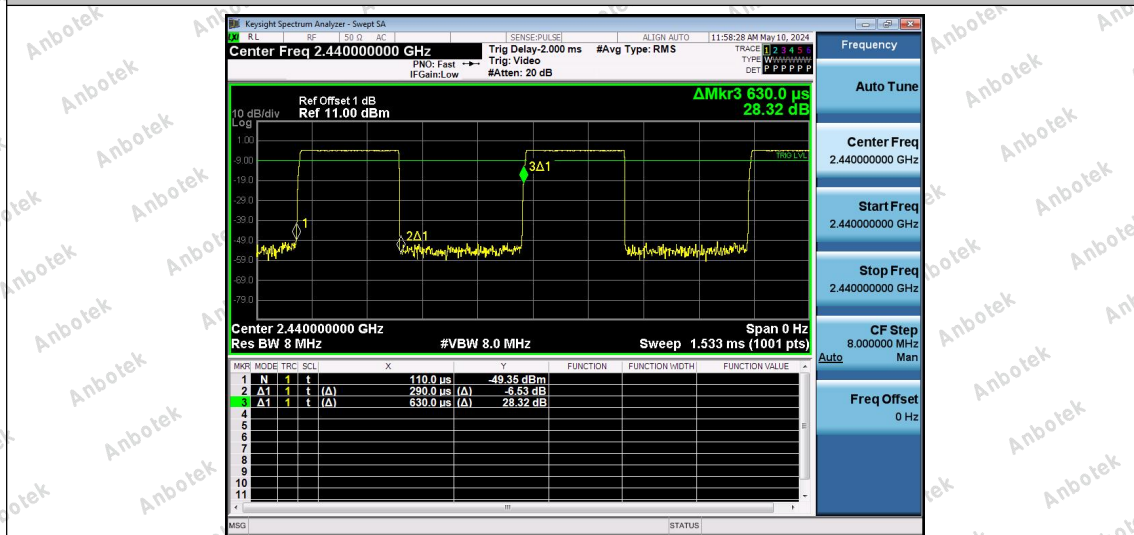
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.63	44.44	3.52
BLE_1M	Ant1	2440	0.29	0.63	46.03	3.37
BLE_1M	Ant1	2480	0.28	0.63	44.44	3.52



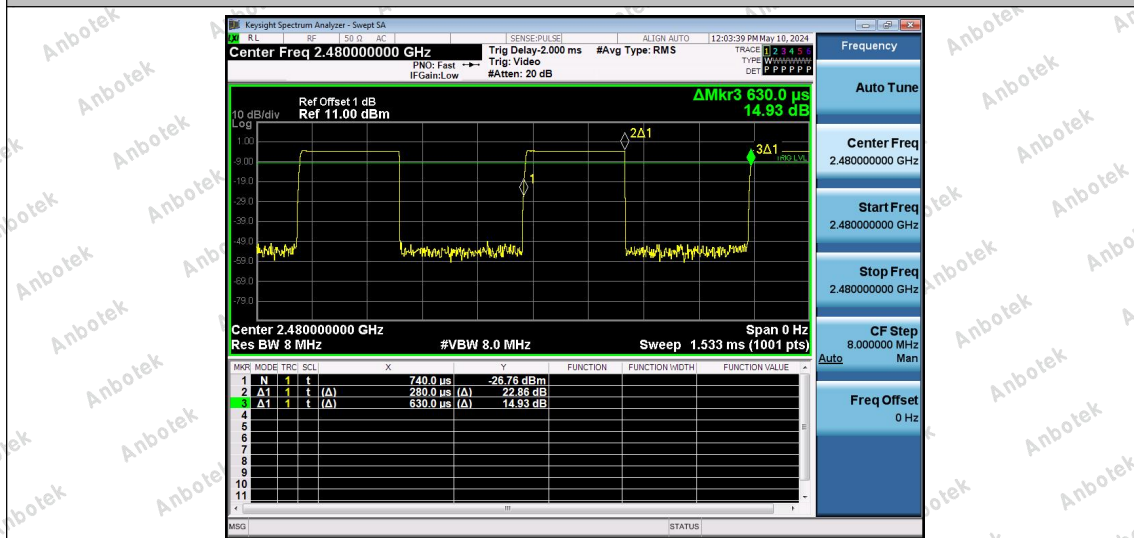
Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480

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