

Appendix Test Data

Report No.:	18220WC40097701	Test Sample No.:	1-2-2
Start Test Date:	2024.05.13	Finish Test Date:	2024.05.22
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

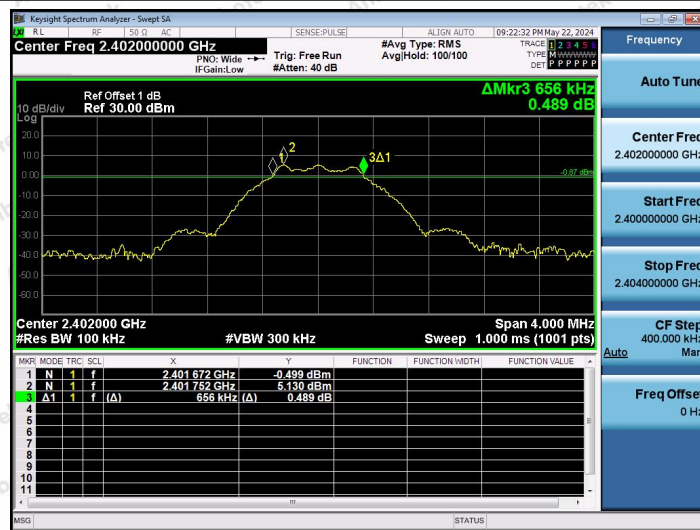
Appendix A: 6dB Bandwidth

Test Result

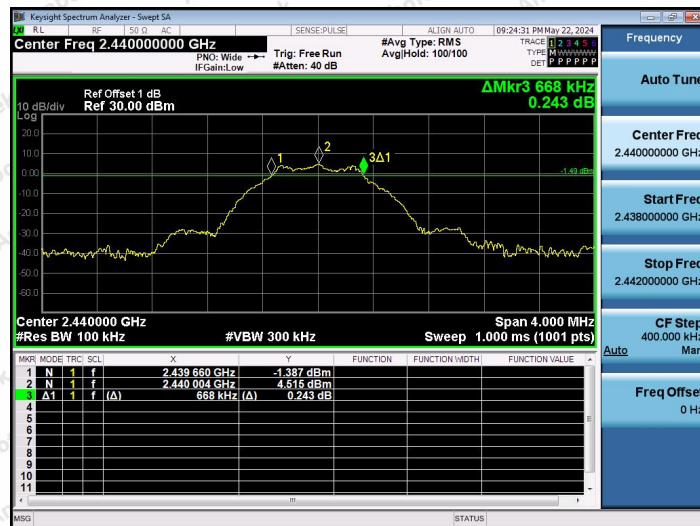
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.672	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.660	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.672	2480.336	0.5	PASS



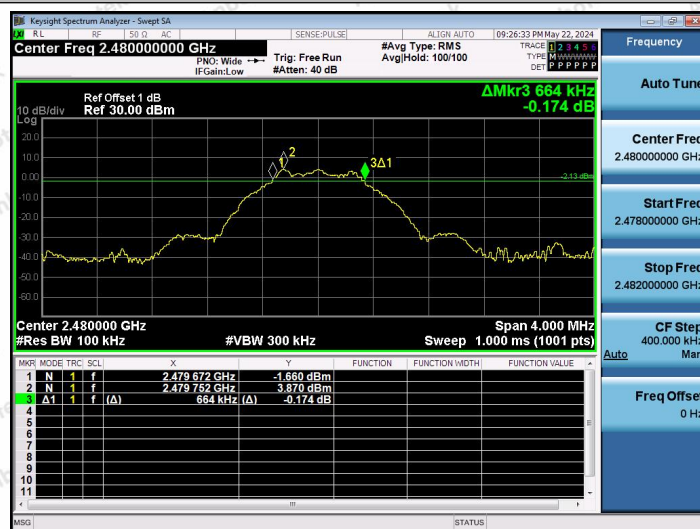
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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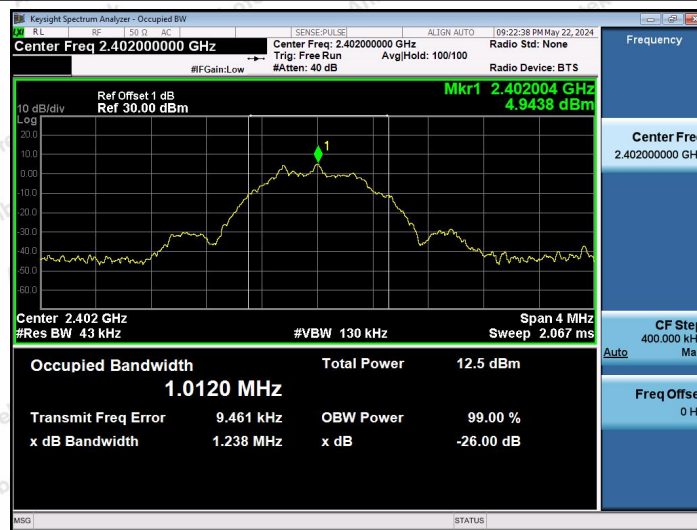
Appendix B: 99% Occupied Bandwidth

Test Result

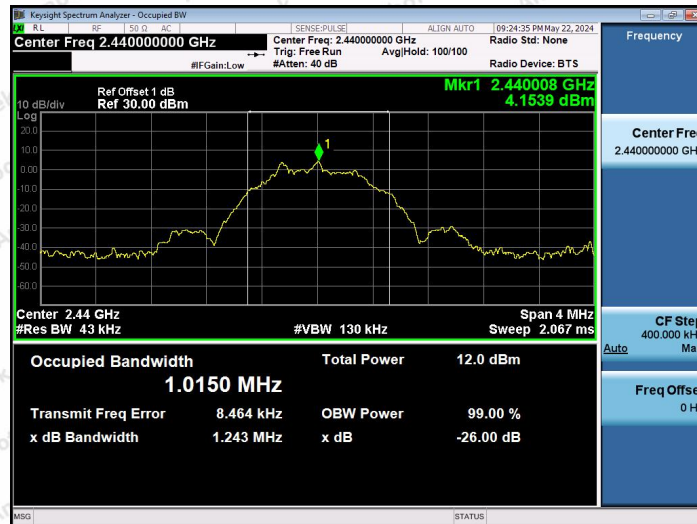
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0120	2401.5035	2402.5155	---	---
BLE_1M	Ant1	2440	1.0150	2439.5010	2440.5160	---	---
BLE_1M	Ant1	2480	1.0127	2479.5022	2480.5149	---	---



Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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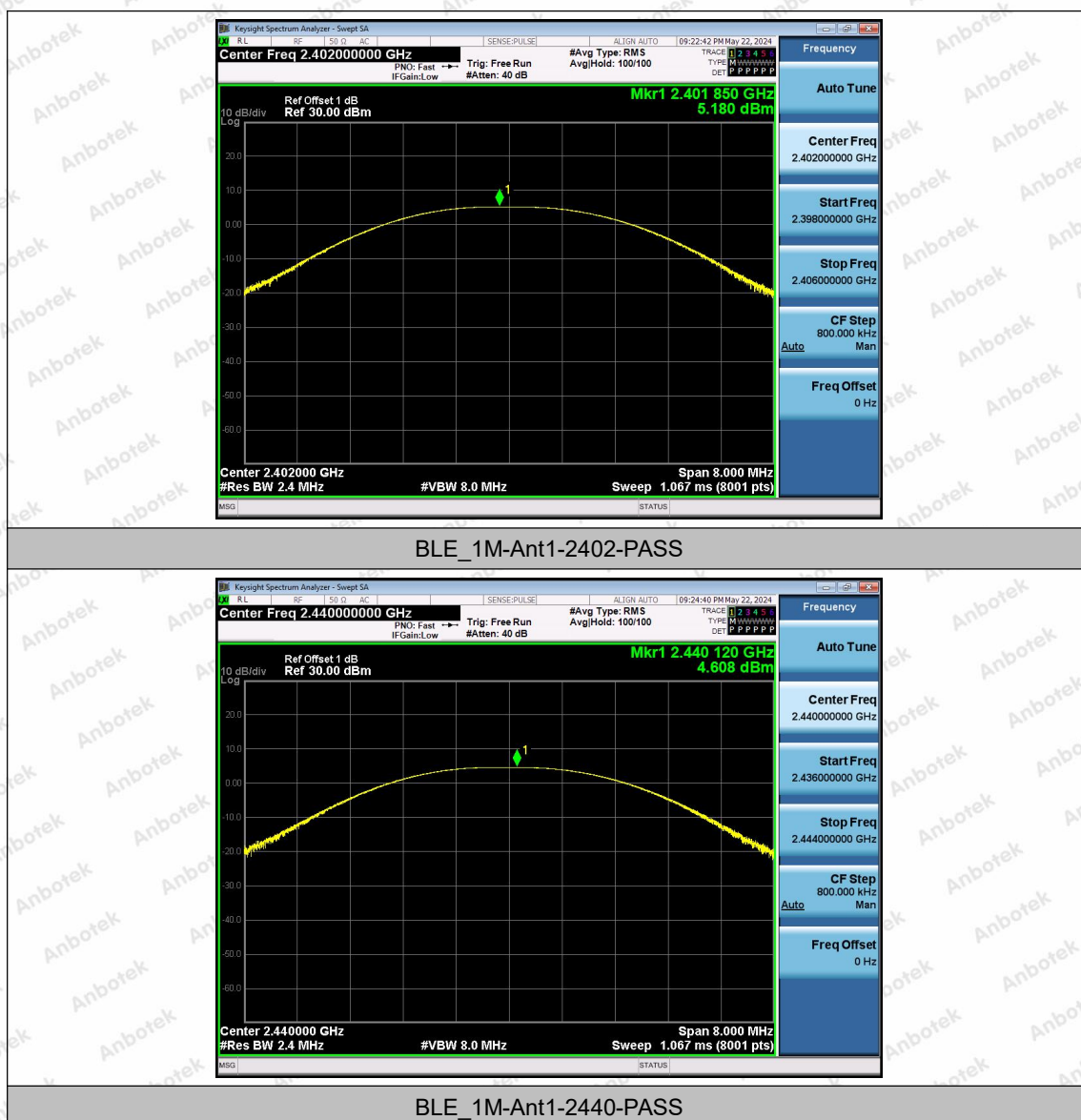


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.18	≤30	PASS
BLE_1M	Ant1	2440	4.61	≤30	PASS
BLE_1M	Ant1	2480	3.97	≤30	PASS

Test Graphs Peak



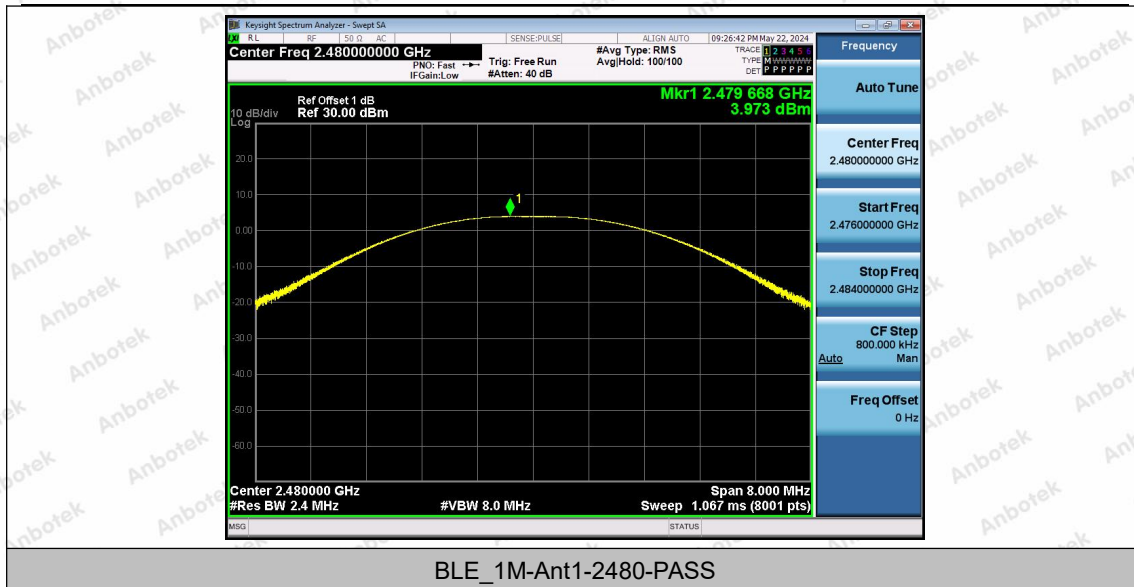
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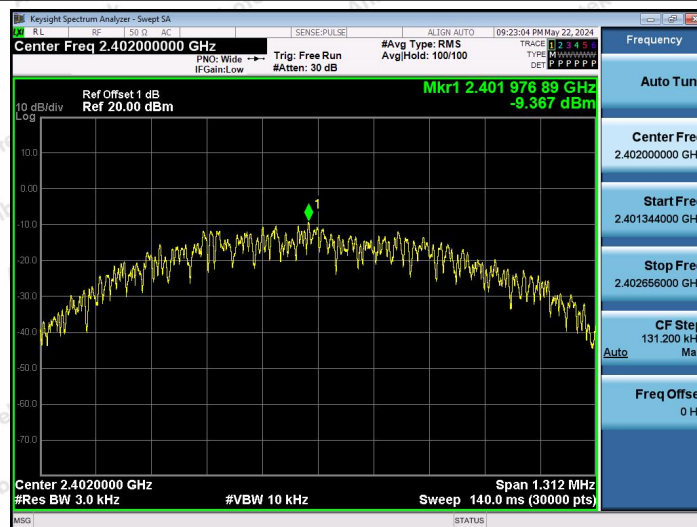
Appendix D: Maximum power spectral density

Test Result

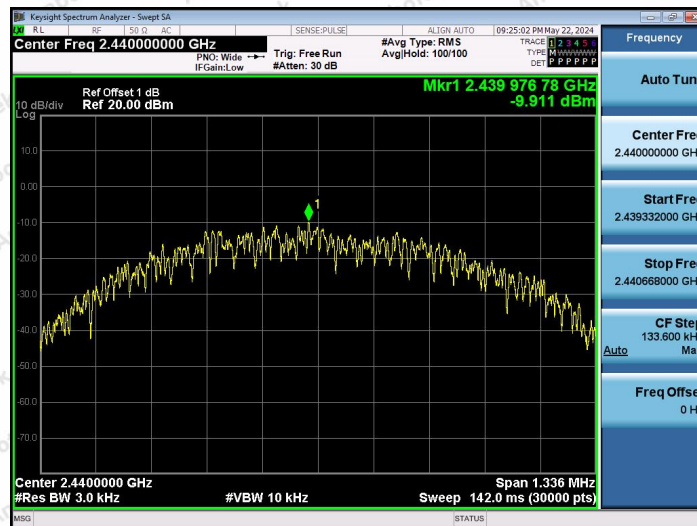
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.37	≤8.00	PASS
BLE_1M	Ant1	2440	-9.91	≤8.00	PASS
BLE_1M	Ant1	2480	-10.61	≤8.00	PASS



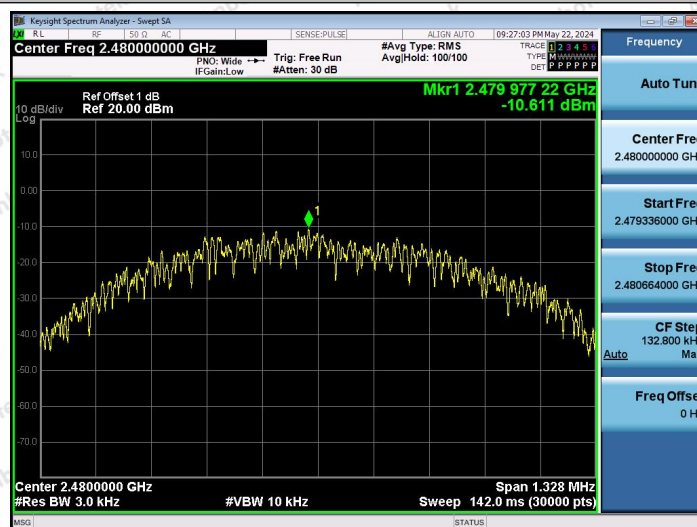
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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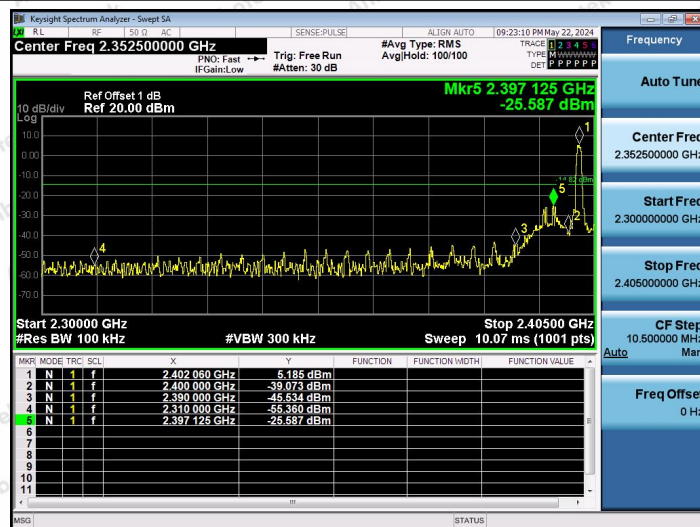
Appendix E: Band edge measurements

Test Result

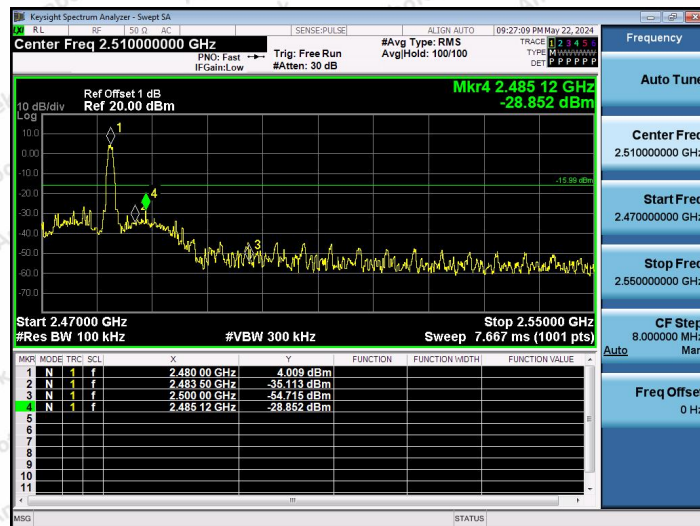
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.19	-25.59	≤-14.82	PASS
BLE_1M	Ant1	High	2480	4.01	-28.85	≤-15.99	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

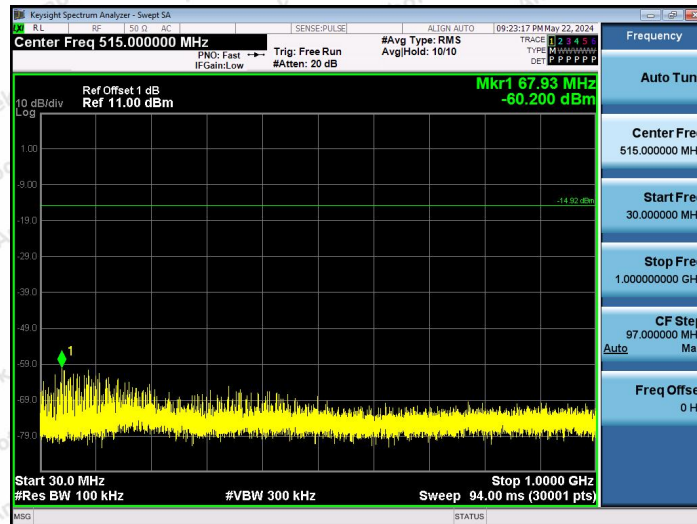
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	5.08	5.08	---	PASS
BLE_1M	Ant1	2402	30~1000	5.08	-60.2	≤-14.92	PASS
BLE_1M	Ant1	2402	1000~26500	5.08	-45.4	≤-14.92	PASS
BLE_1M	Ant1	2440	0~Reference	2.70	2.70	---	PASS
BLE_1M	Ant1	2440	30~1000	2.70	-60.7	≤-17.3	PASS
BLE_1M	Ant1	2440	1000~26500	2.70	-45.85	≤-17.3	PASS
BLE_1M	Ant1	2480	0~Reference	2.29	2.29	---	PASS
BLE_1M	Ant1	2480	30~1000	2.29	-60.37	≤-17.71	PASS
BLE_1M	Ant1	2480	1000~26500	2.29	-46.37	≤-17.71	PASS



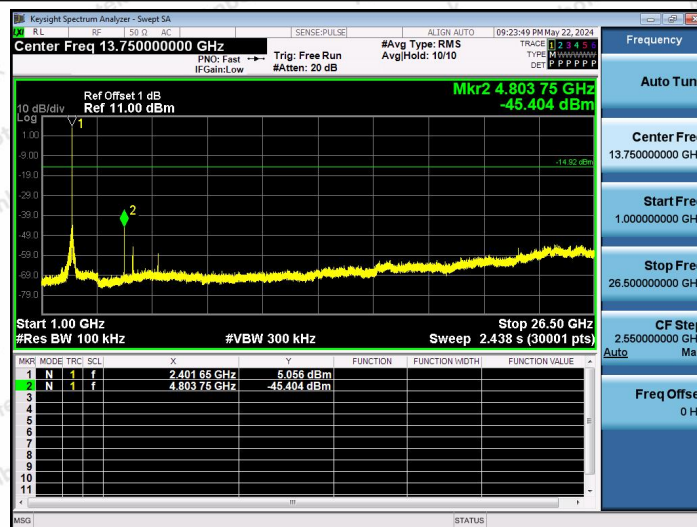
Test Graphs



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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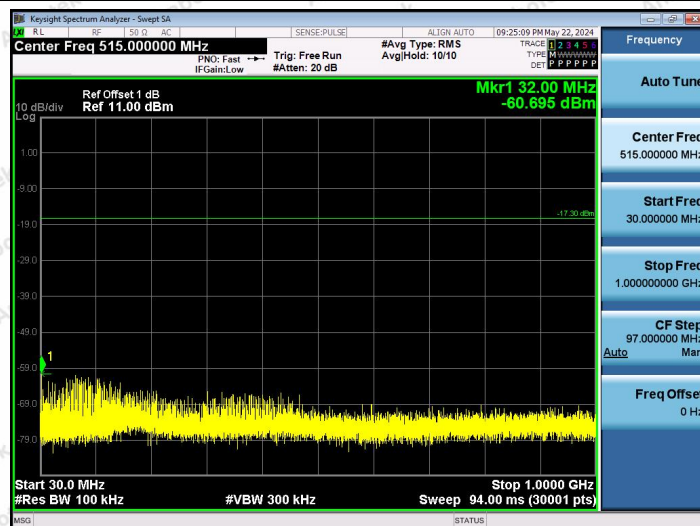


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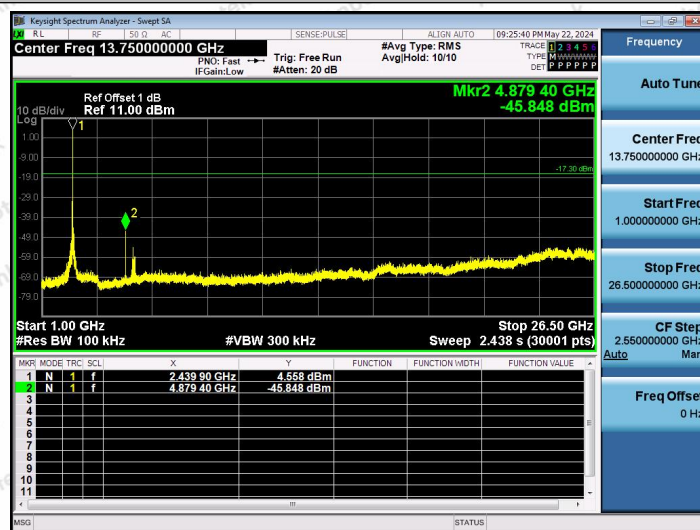




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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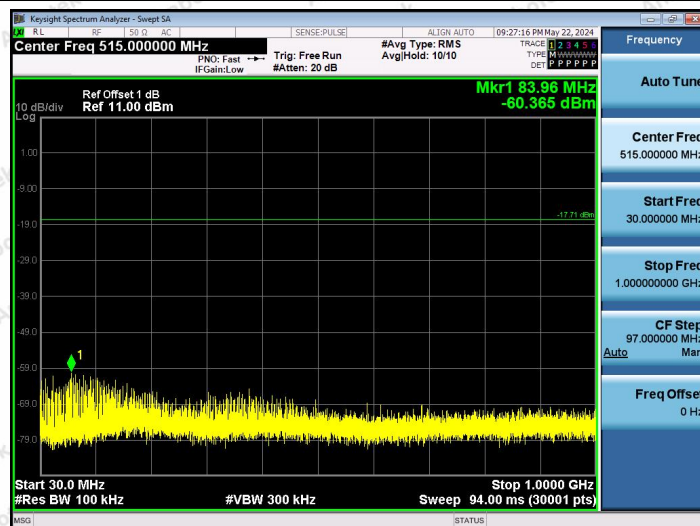


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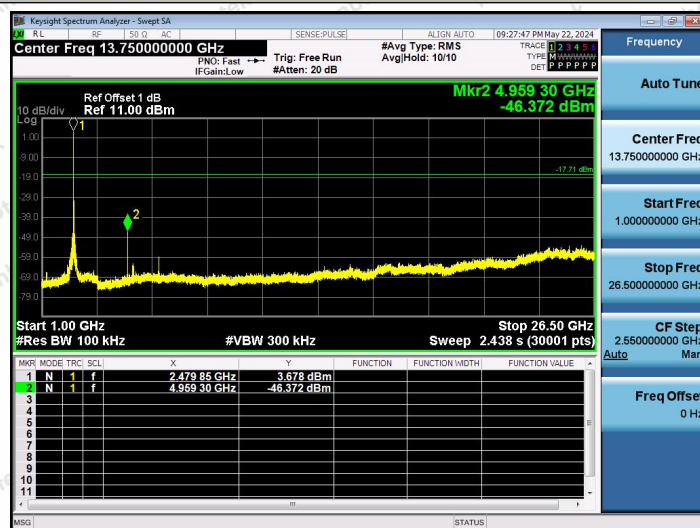




BLE_1M-Ant1-2480-0~Reference-PASS



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	0.42	0.63	66.67	1.76
BLE_1M	Ant1	2440	0.42	0.63	66.67	1.76
BLE_1M	Ant1	2480	0.41	0.62	66.13	1.80

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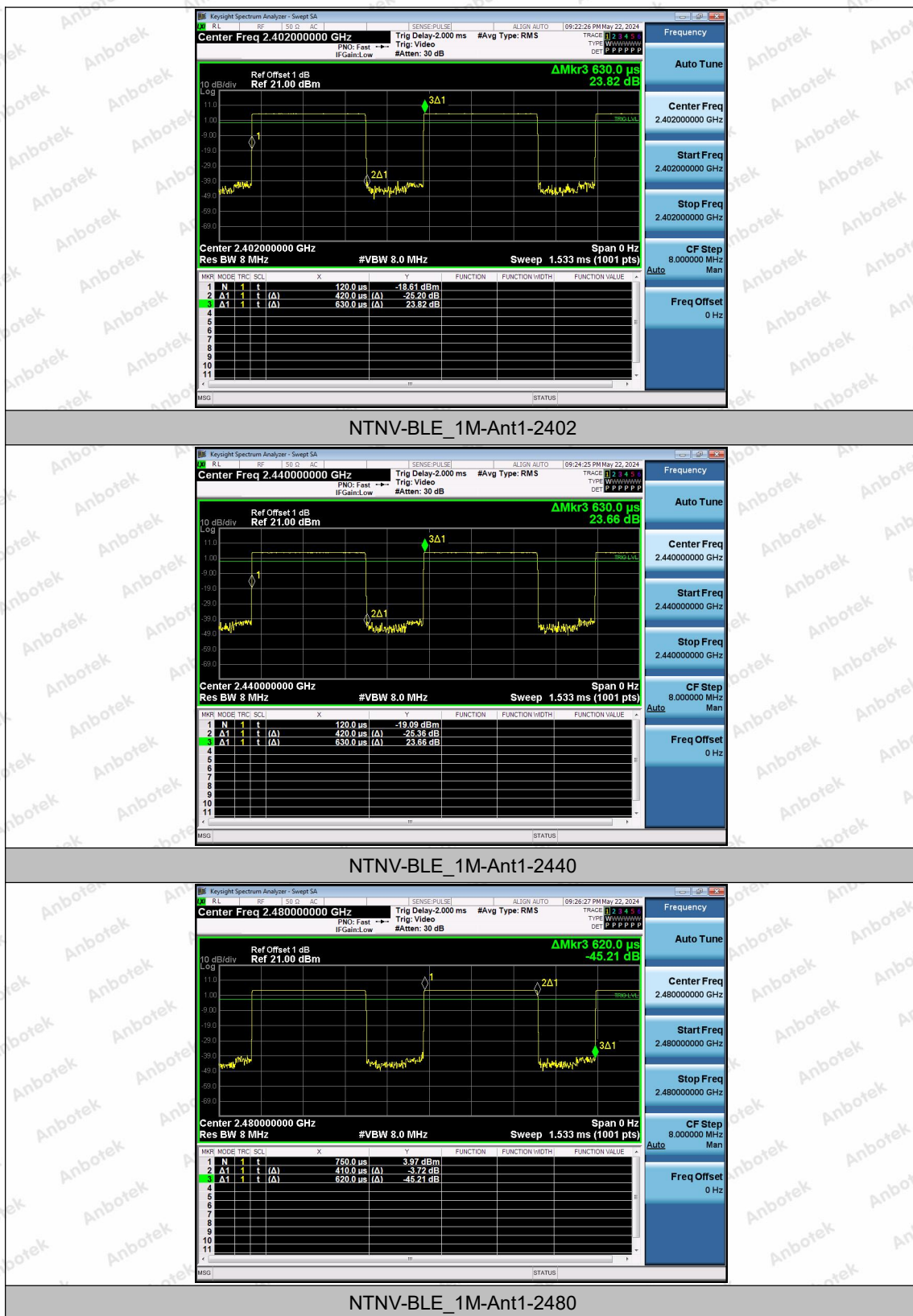
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Test Graphs



---End---

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