

Appendix Test Data

Report No.:	18220WC40096601	Test Sample No.:	1-2-2
Start Test Date:	2024.05.15	Finish Test Date:	2024.05.23
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	24.8℃	Relative Humidity:	49%
Pressure:	101kPa		

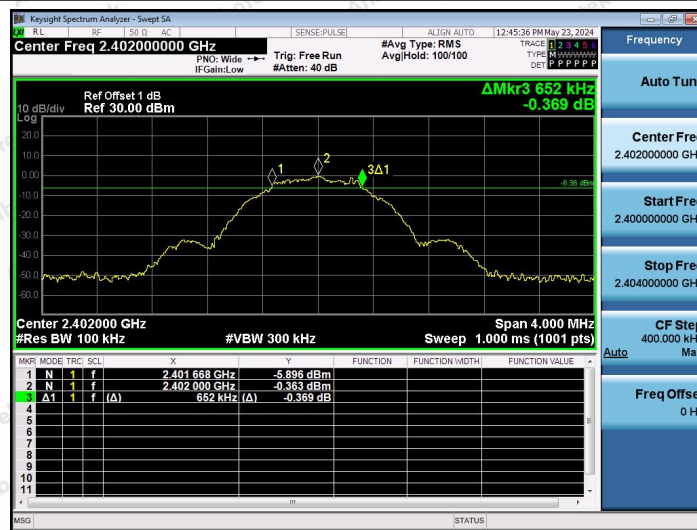
Appendix A: 6dB Bandwidth

Test Result

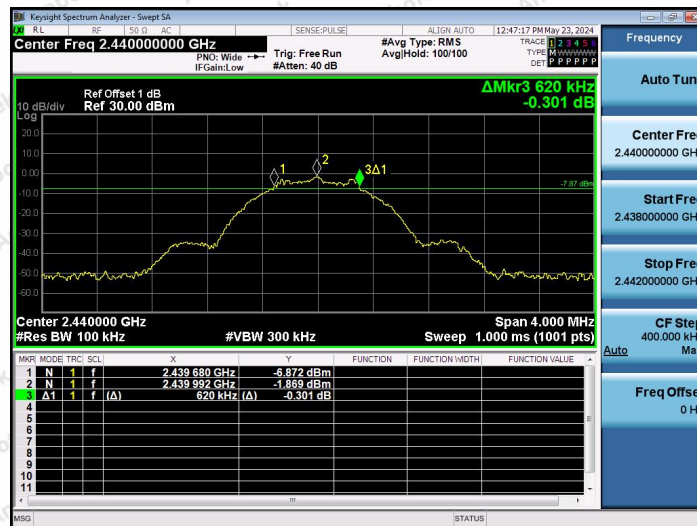
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.668	2402.320	0.5	PASS
BLE_1M	Ant1	2440	0.620	2439.680	2440.300	0.5	PASS
BLE_1M	Ant1	2480	0.640	2479.672	2480.312	0.5	PASS



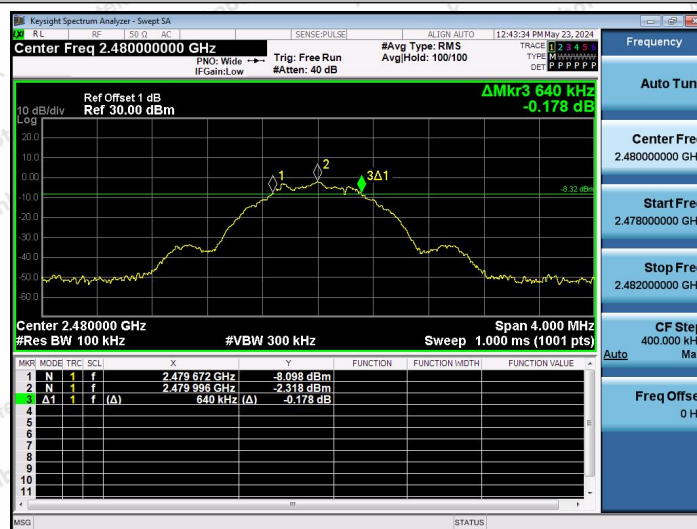
Test Graphs



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	1.0307	2401.4853	2402.5160	---	---
BLE_1M	Ant1	2440	1.0380	2439.4802	2440.5182	---	---
BLE_1M	Ant1	2480	1.0377	2479.4770	2480.5147	---	---

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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

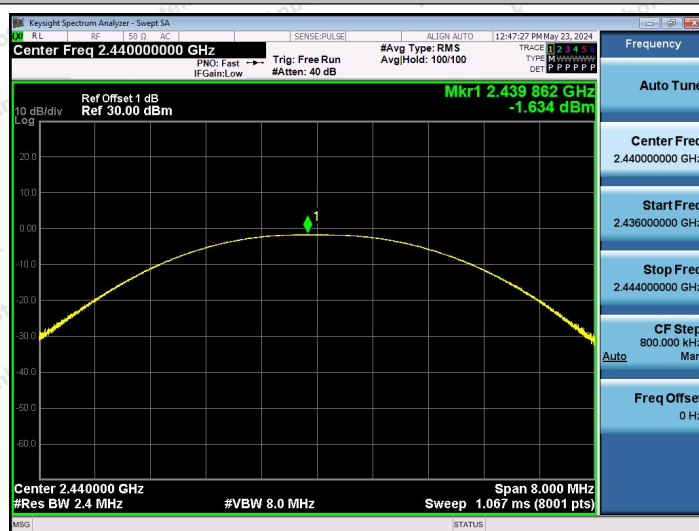
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.10	≤30	PASS
BLE_1M	Ant1	2440	-1.63	≤30	PASS
BLE_1M	Ant1	2480	-2.02	≤30	PASS

Test Graphs Peak

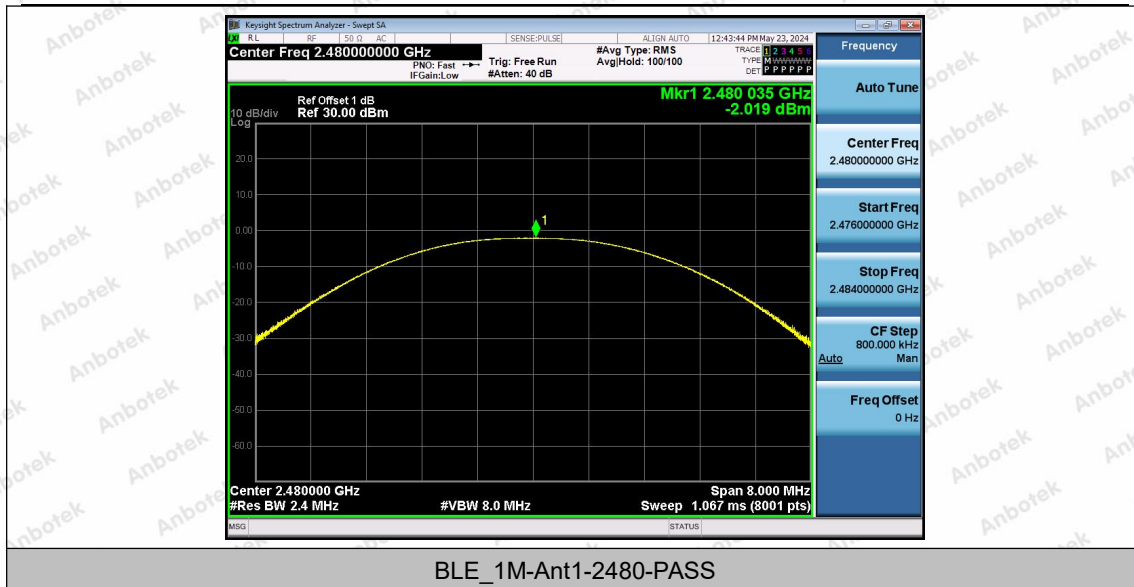


BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



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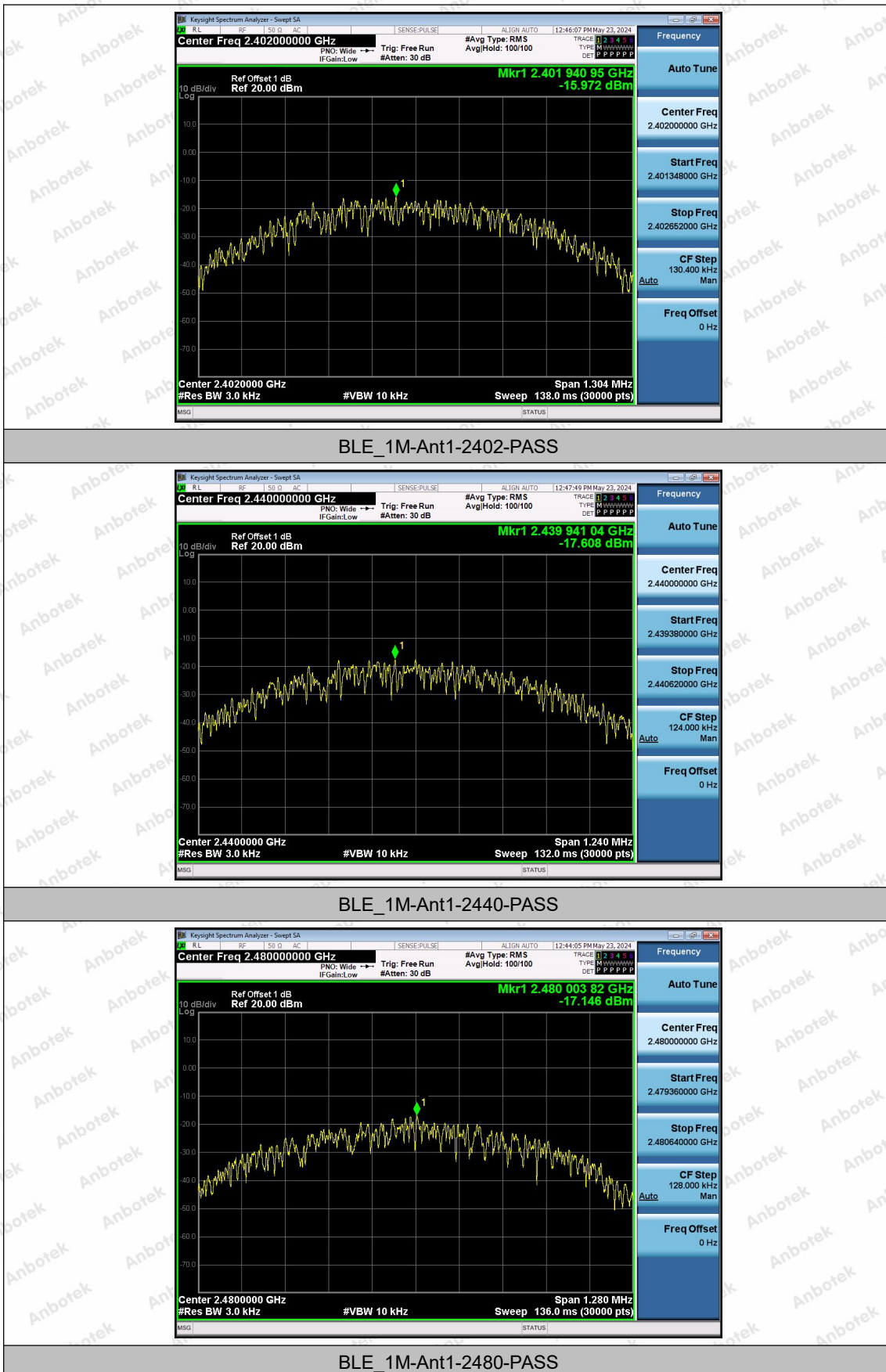
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.97	≤8.00	PASS
BLE_1M	Ant1	2440	-17.61	≤8.00	PASS
BLE_1M	Ant1	2480	-17.15	≤8.00	PASS



Test Graphs



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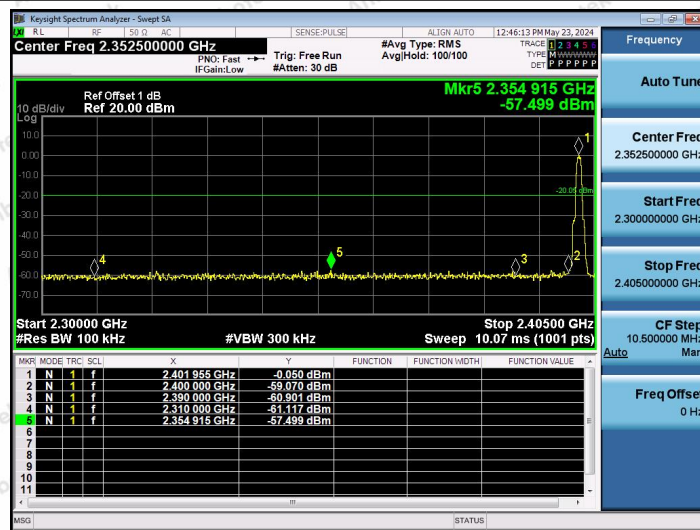
Appendix E: Band edge measurements

Test Result

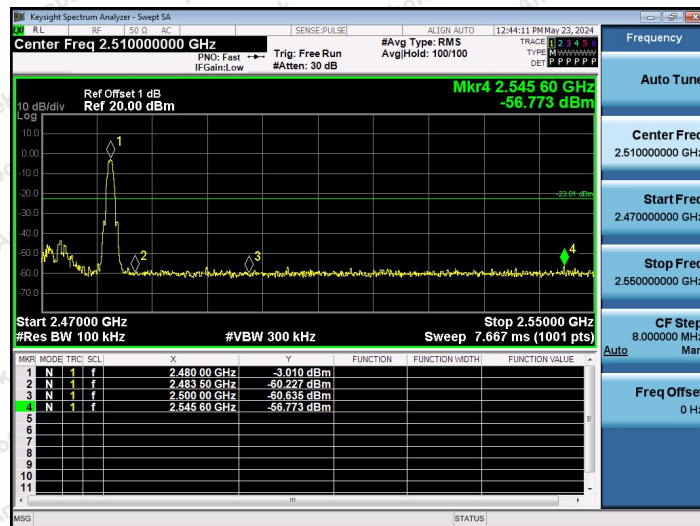
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.05	-57.5	≤-20.05	PASS
BLE_1M	Ant1	High	2480	-3.01	-56.77	≤-23.01	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

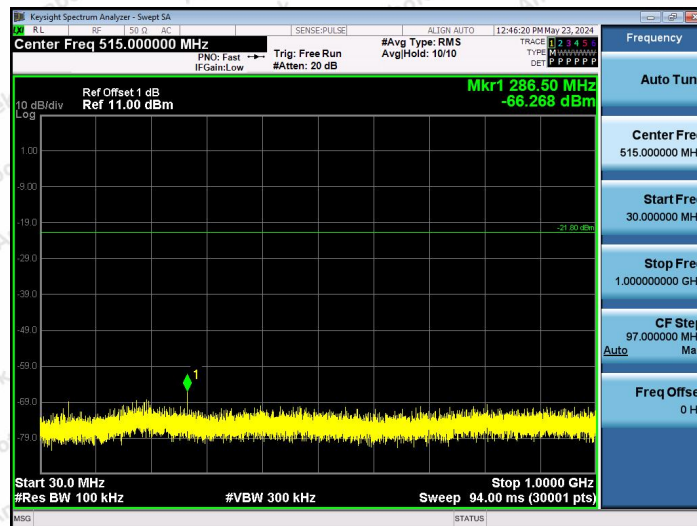
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.80	-1.80	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.80	-66.27	≤-21.8	PASS
BLE_1M	Ant1	2402	1000~26500	-1.80	-54.06	≤-21.8	PASS
BLE_1M	Ant1	2440	0~Reference	-3.07	-3.07	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.07	-67.08	≤-23.07	PASS
BLE_1M	Ant1	2440	1000~26500	-3.07	-52.73	≤-23.07	PASS
BLE_1M	Ant1	2480	0~Reference	-2.29	-2.29	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.29	-66.9	≤-22.29	PASS
BLE_1M	Ant1	2480	1000~26500	-2.29	-53.46	≤-22.29	PASS



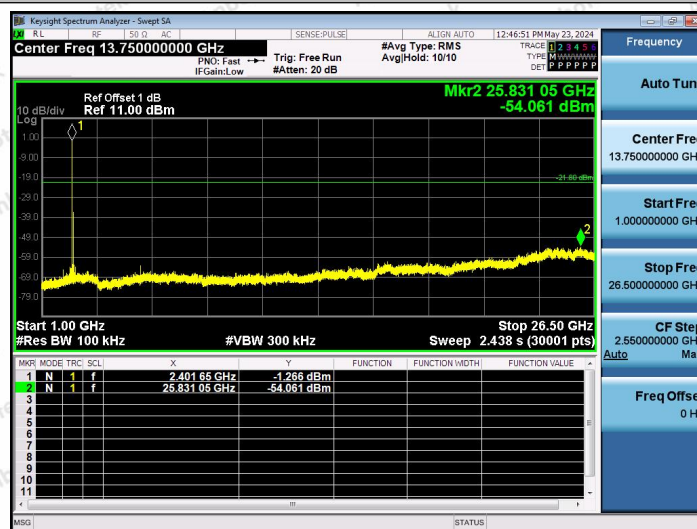
Test Graphs



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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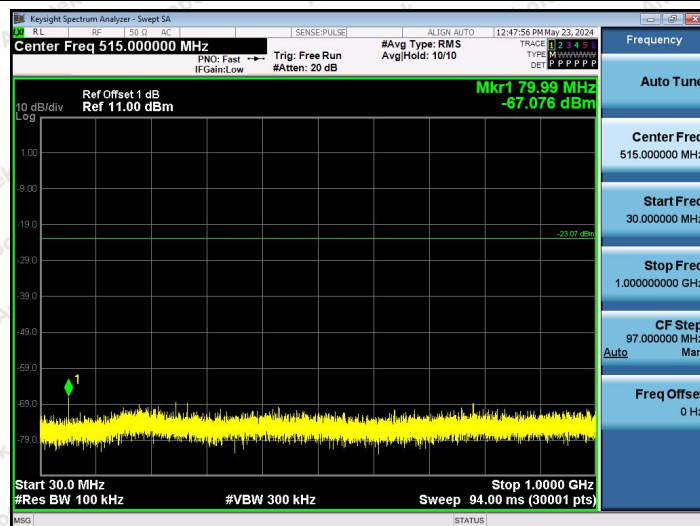


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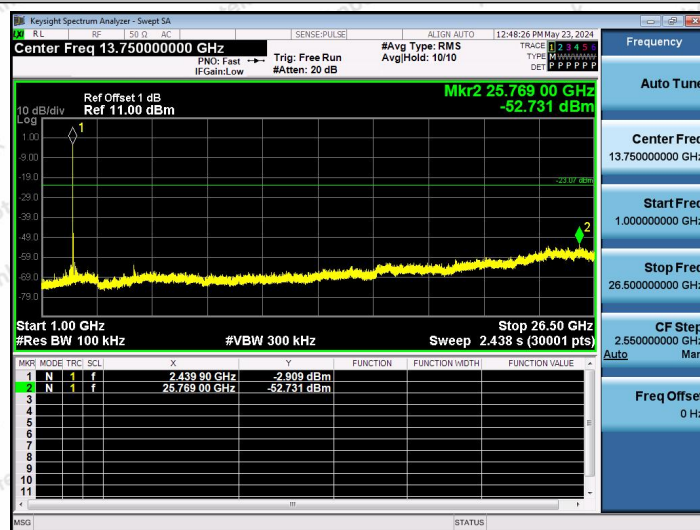




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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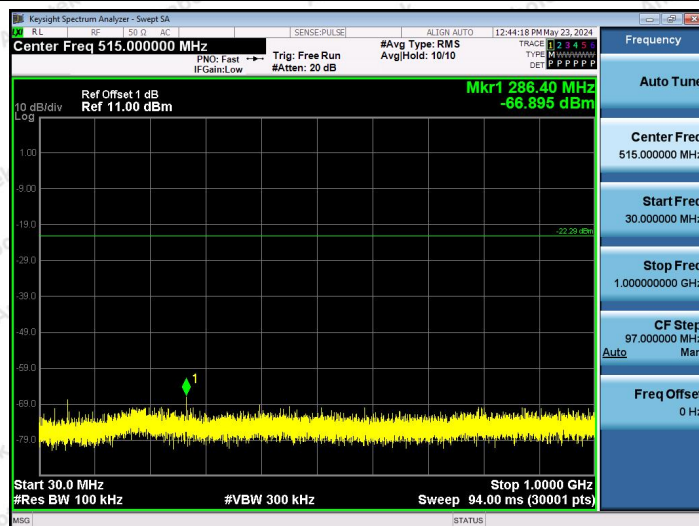


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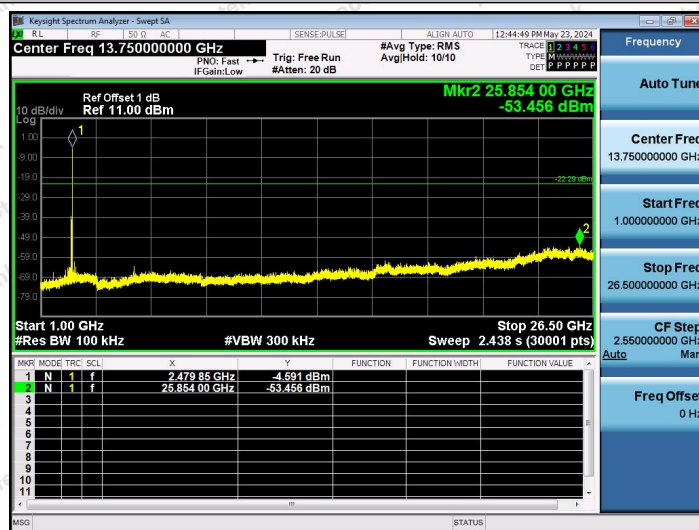




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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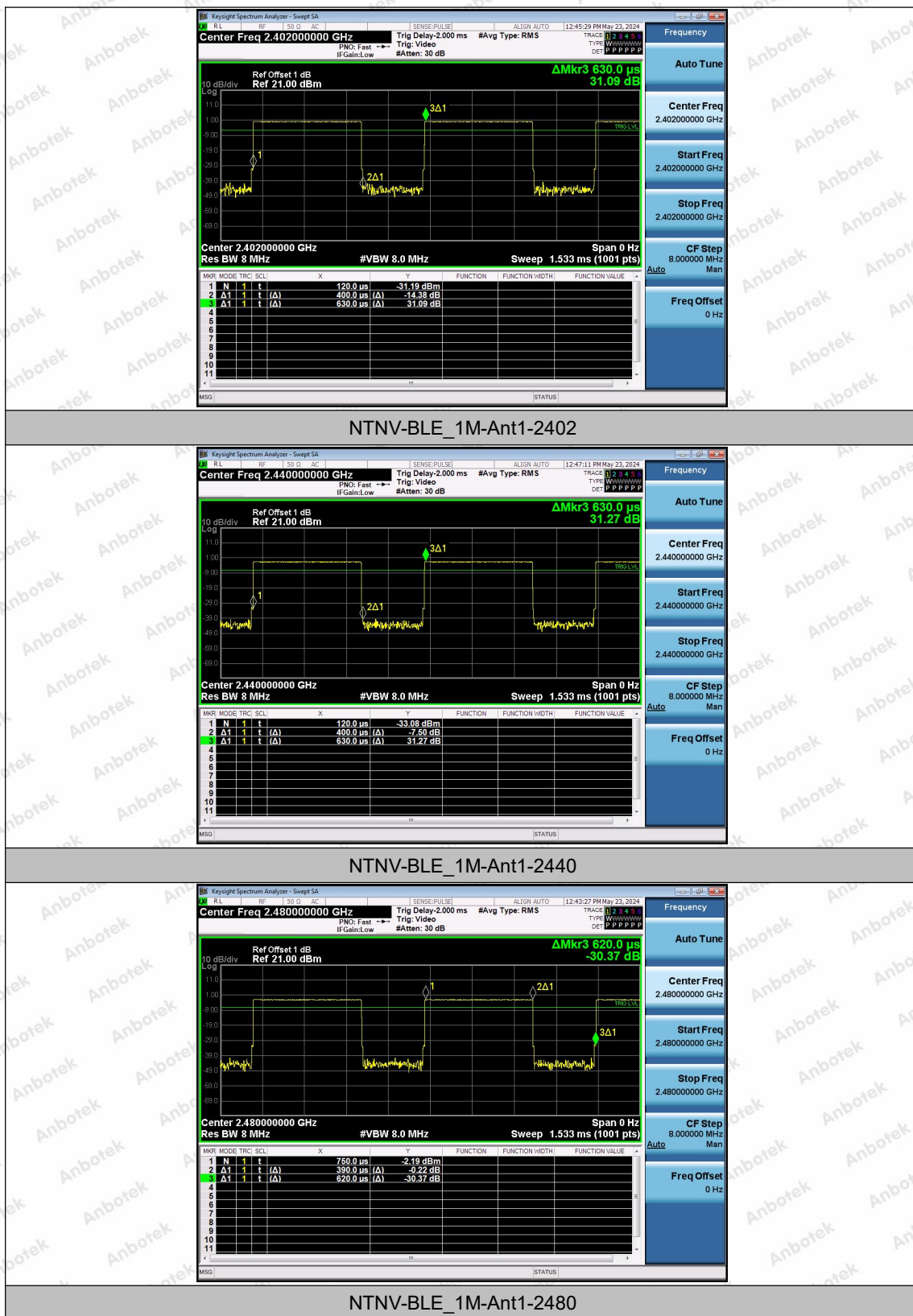
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2440	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01



Test Graphs



---End---

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