

Appendix Test Data

Report No.:	182512C400166101	Test Sample No.:	1-2-2
Start Test Date:	2024.6.11	Finish Test Date:	2024.6.21
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

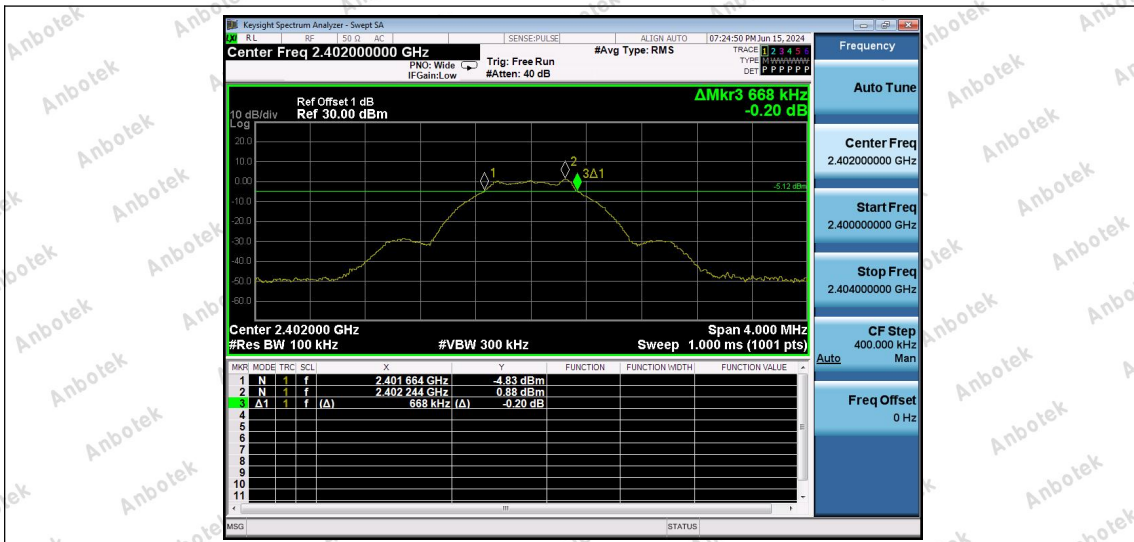
Appendix A: 6dB Bandwidth

Test Result

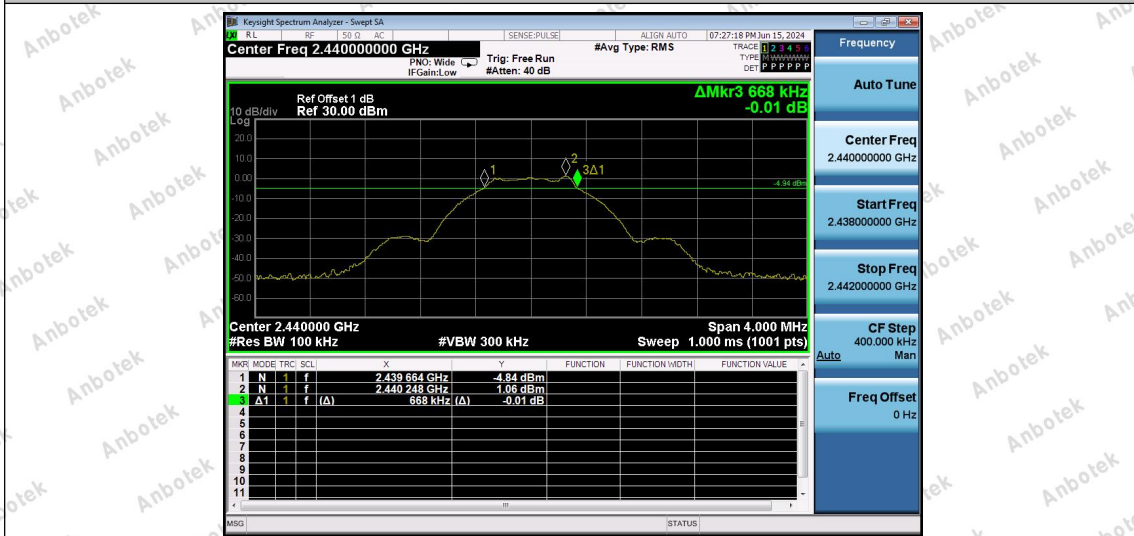
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.664	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.664	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.676	2479.660	2480.336	0.5	PASS



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

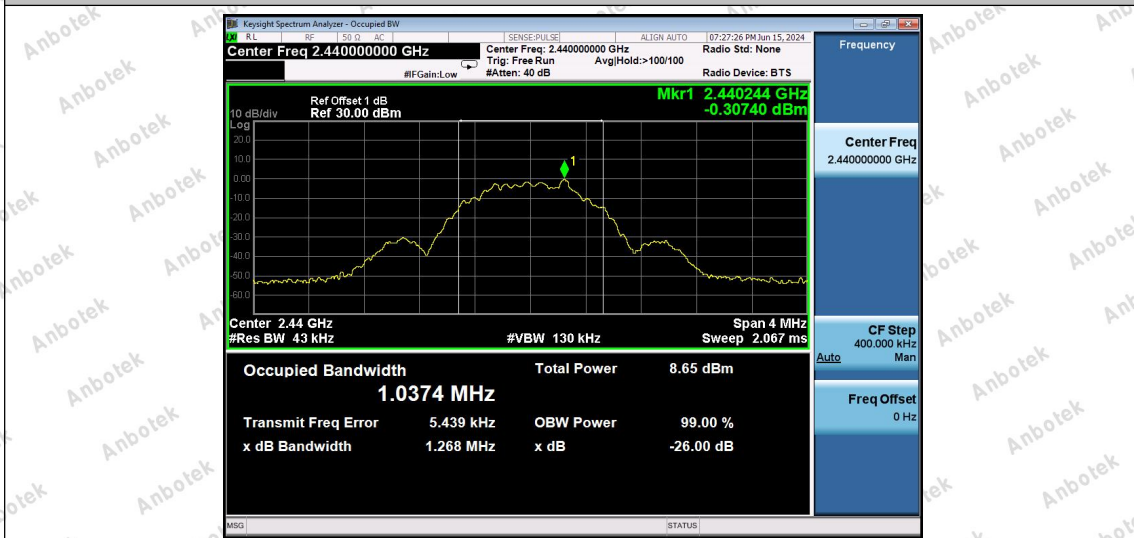
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0361	2401.4876	2402.5237	---	---
BLE_1M	Ant1	2440	1.0373	2439.4868	2440.5241	---	---
BLE_1M	Ant1	2480	1.0324	2479.4841	2480.5165	---	---



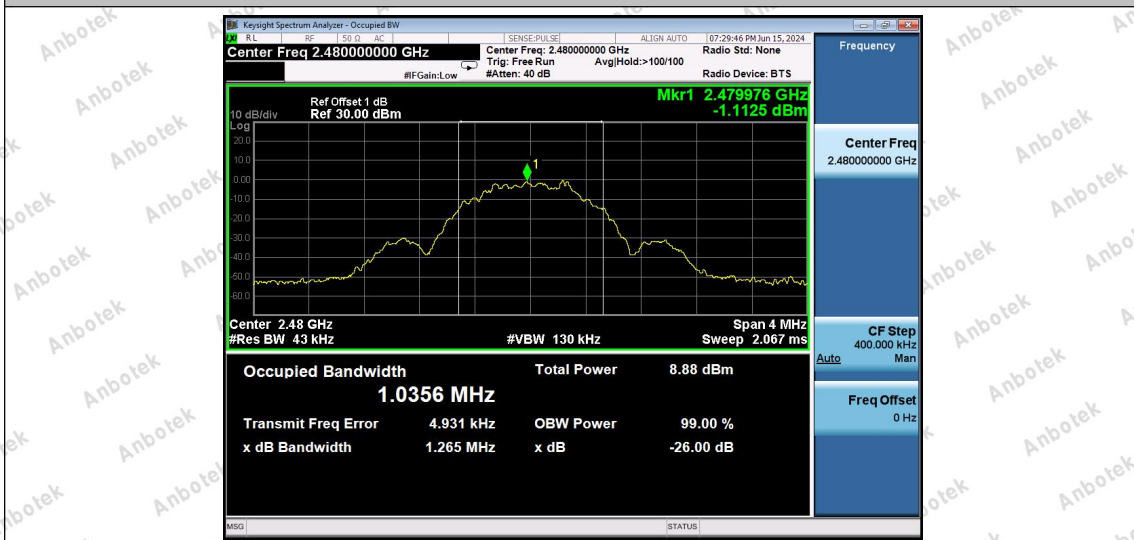
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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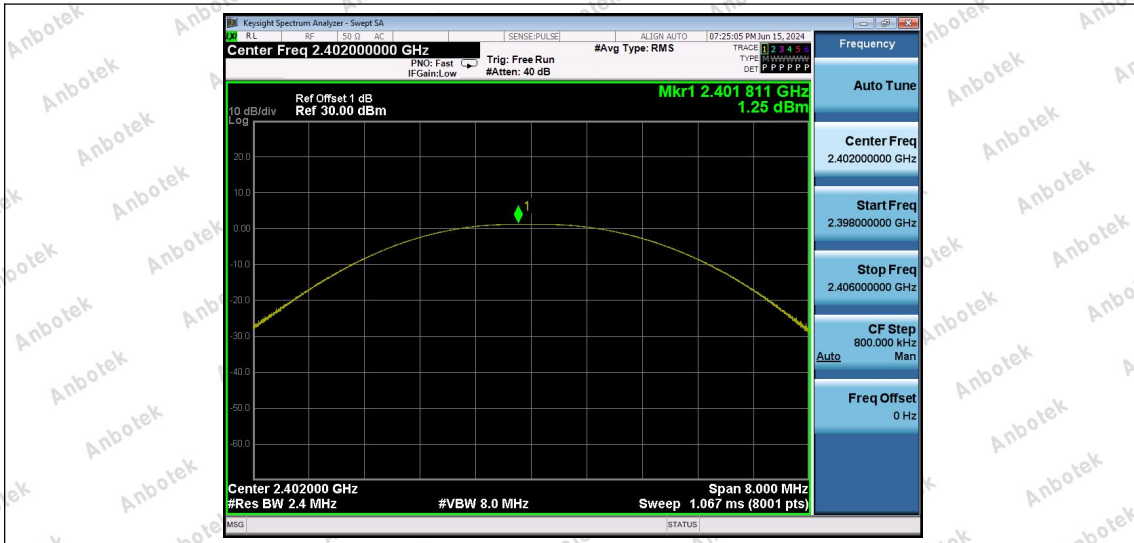
Appendix C: Maximum output power

Test Result Peak

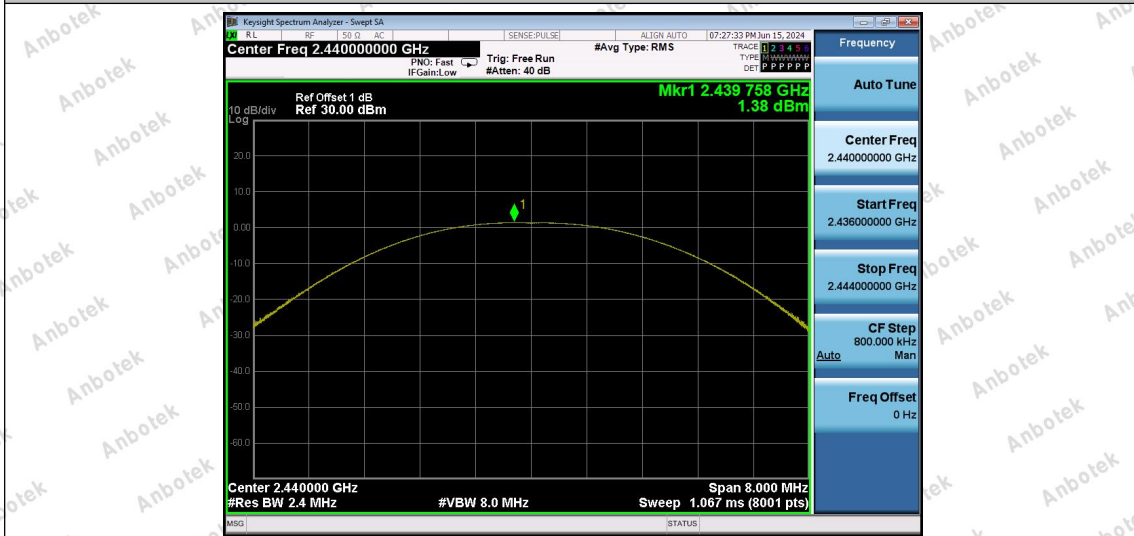
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.25	≤30	PASS
BLE_1M	Ant1	2440	1.38	≤30	PASS
BLE_1M	Ant1	2480	1.78	≤30	PASS



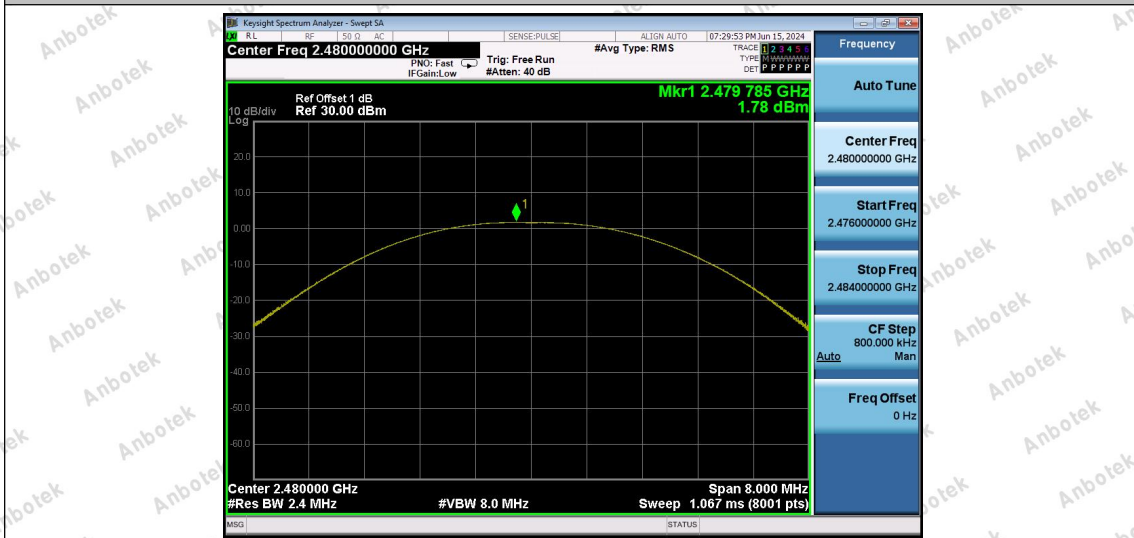
Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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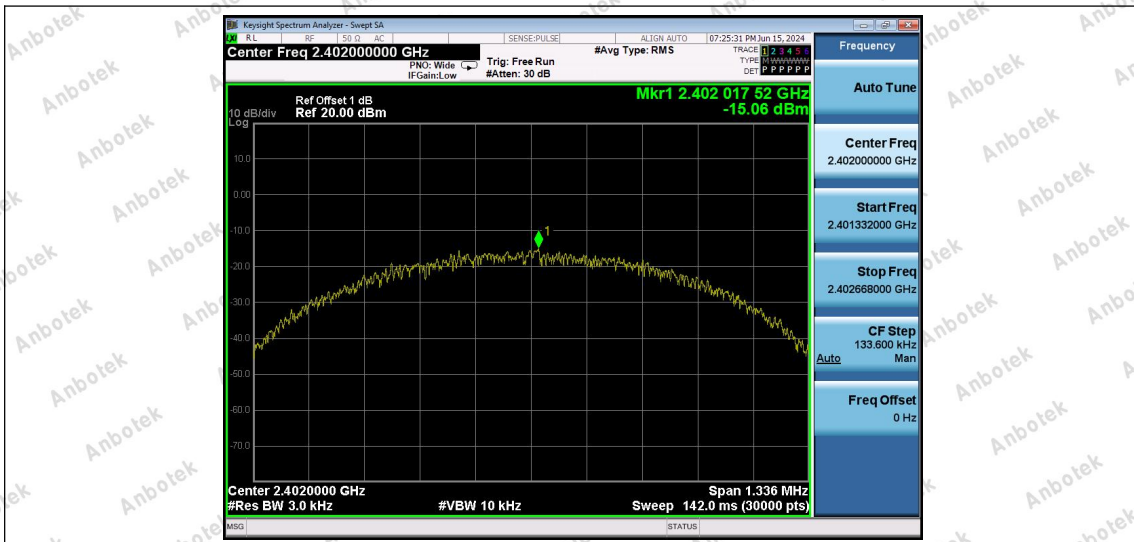
Appendix D: Maximum power spectral density

Test Result

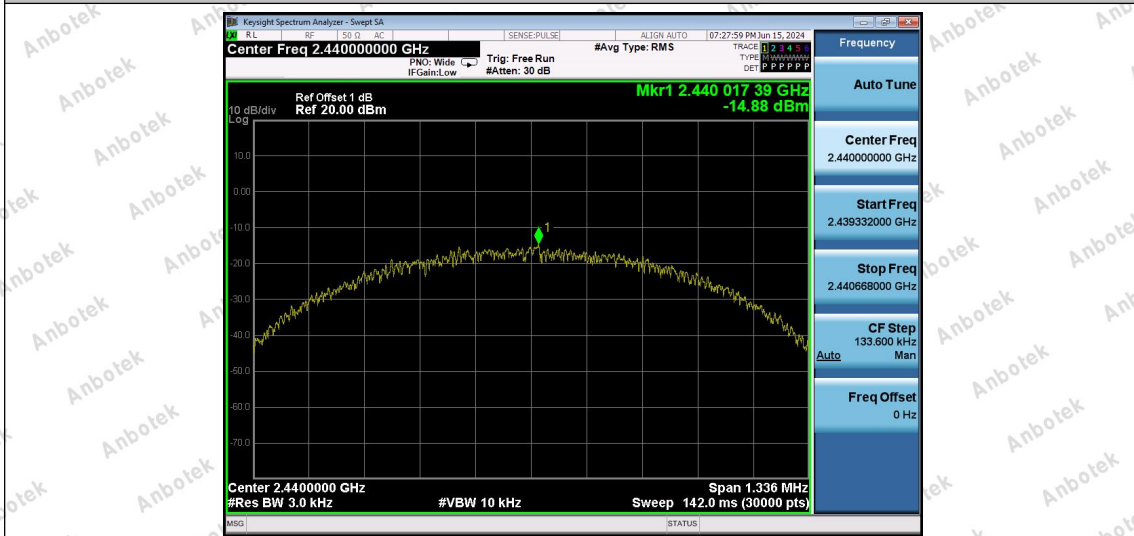
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.06	≤8.00	PASS
BLE_1M	Ant1	2440	-14.88	≤8.00	PASS
BLE_1M	Ant1	2480	-14.52	≤8.00	PASS



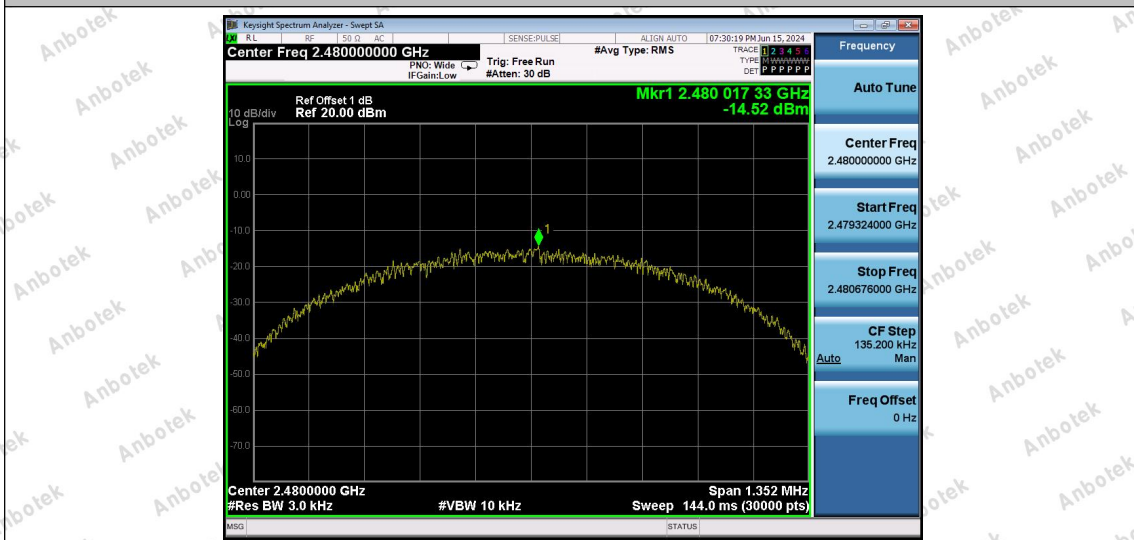
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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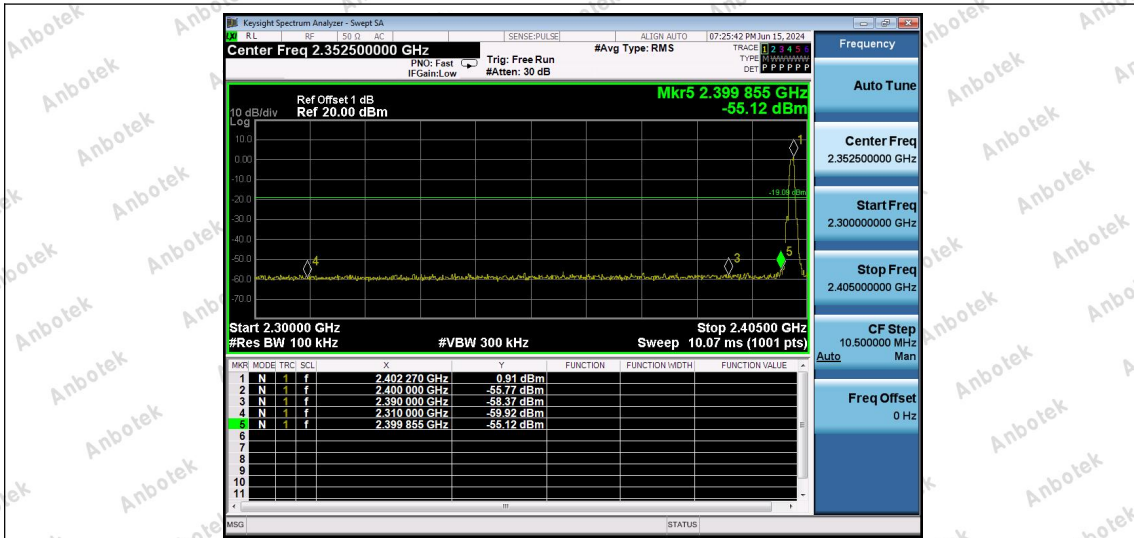
Appendix E: Band edge measurements

Test Result

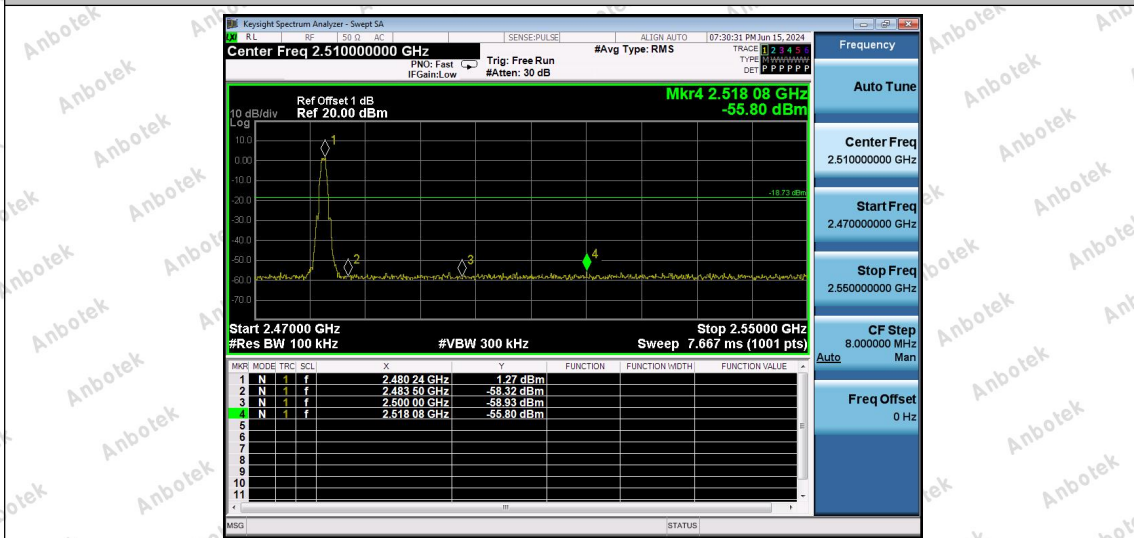
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.91	-55.12	≤-19.09	PASS
BLE_1M	Ant1	High	2480	1.27	-55.8	≤-18.73	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



Appendix F: Conducted Spurious Emission

Test Result

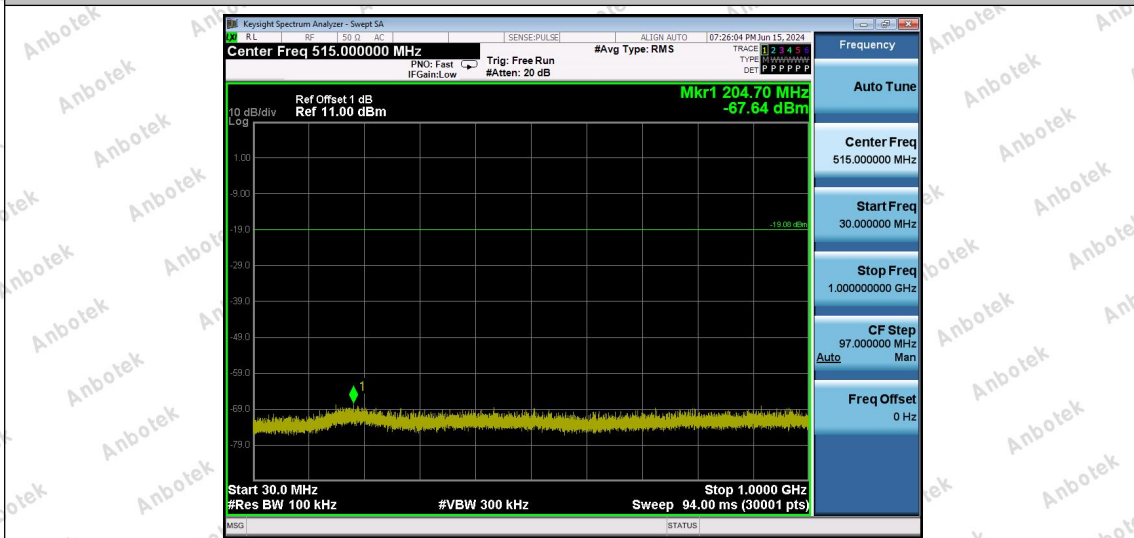
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.92	0.92	---	PASS
BLE_1M	Ant1	2402	30~1000	0.92	-67.64	≤-19.08	PASS
BLE_1M	Ant1	2402	1000~26500	0.92	-53.13	≤-19.08	PASS
BLE_1M	Ant1	2440	0~Reference	1.08	1.08	---	PASS
BLE_1M	Ant1	2440	30~1000	1.08	-67.53	≤-18.92	PASS
BLE_1M	Ant1	2440	1000~26500	1.08	-53.25	≤-18.92	PASS
BLE_1M	Ant1	2480	0~Reference	1.43	1.43	---	PASS
BLE_1M	Ant1	2480	30~1000	1.43	-67.7	≤-18.57	PASS
BLE_1M	Ant1	2480	1000~26500	1.43	-53.64	≤-18.57	PASS



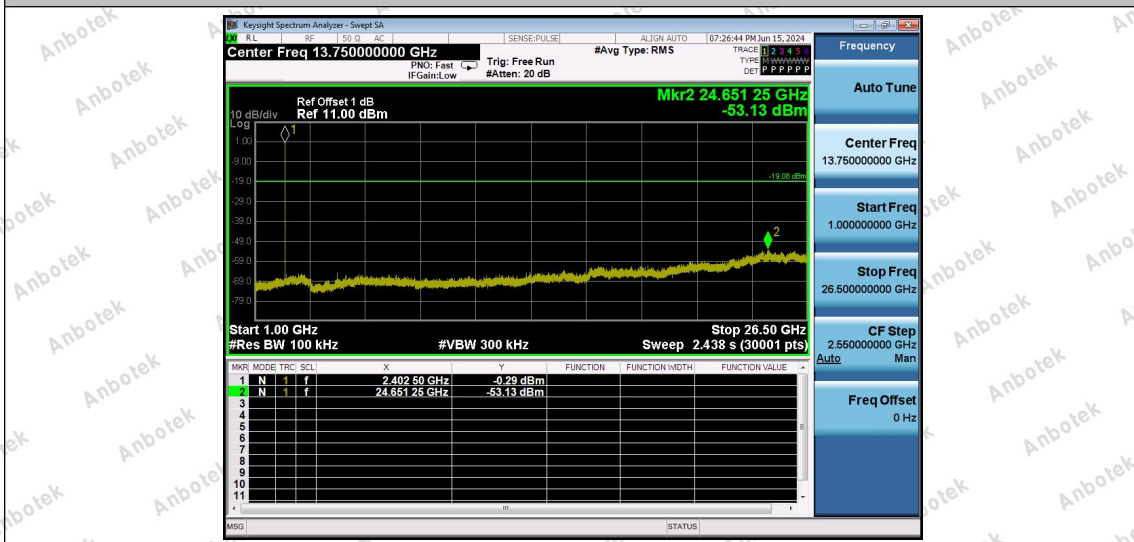
Test Graphs



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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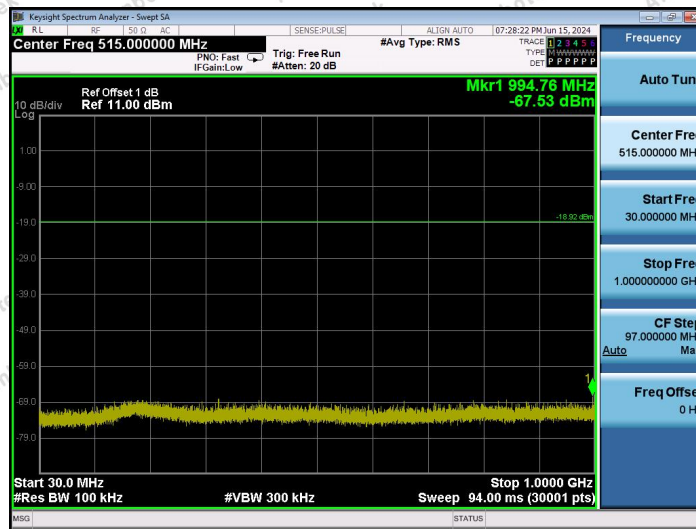
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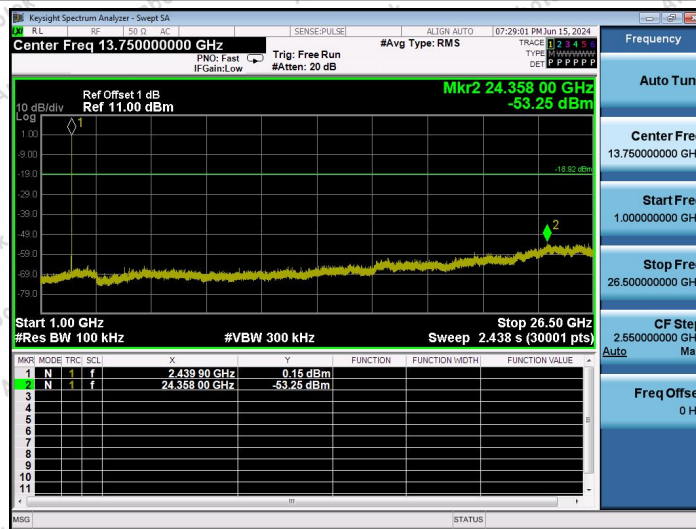




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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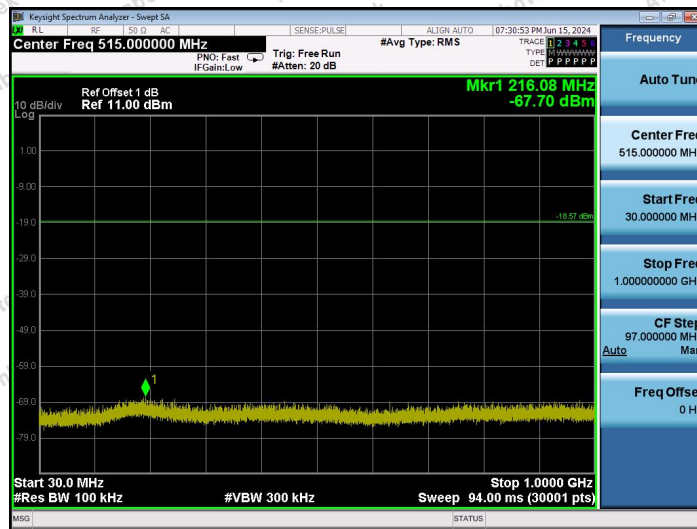


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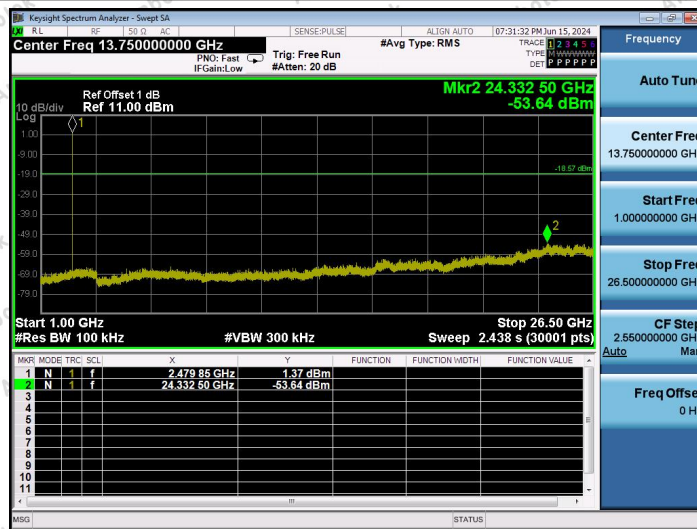




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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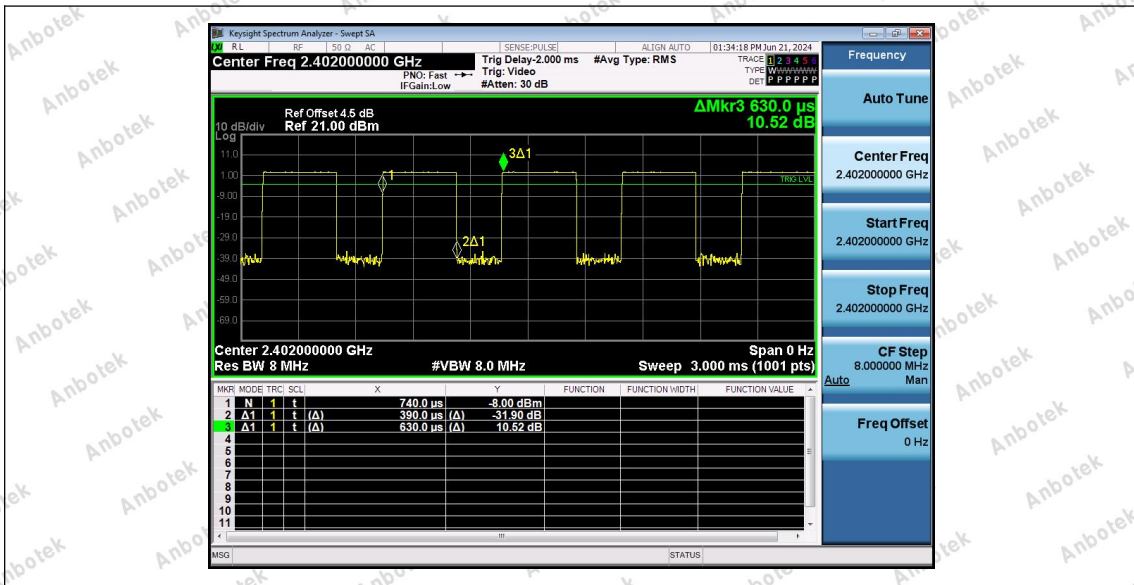
Appendix G: Duty Cycle

Test Result

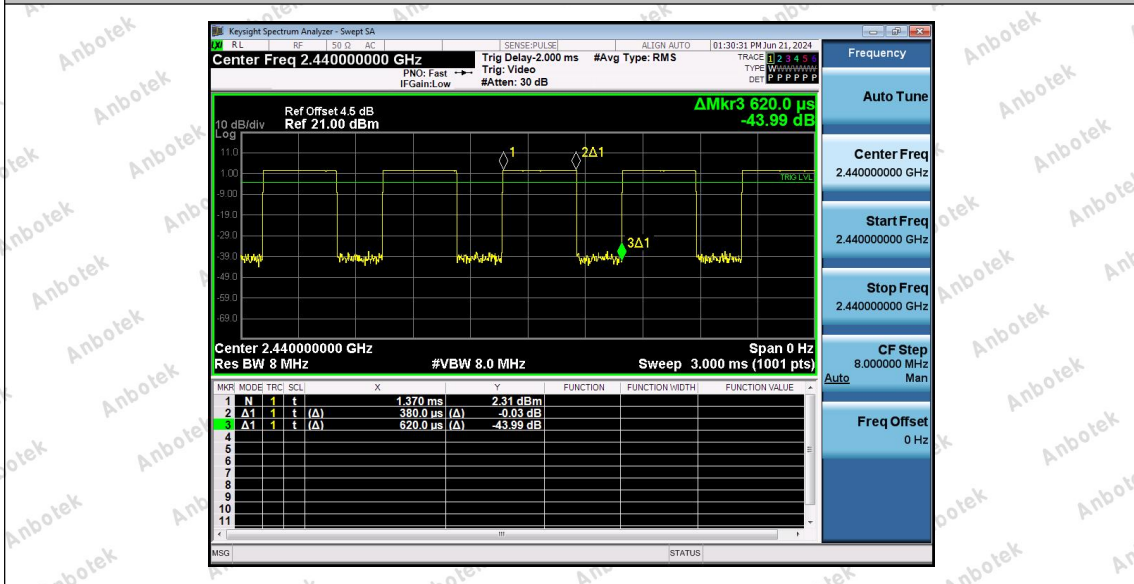
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08



Test Graphs

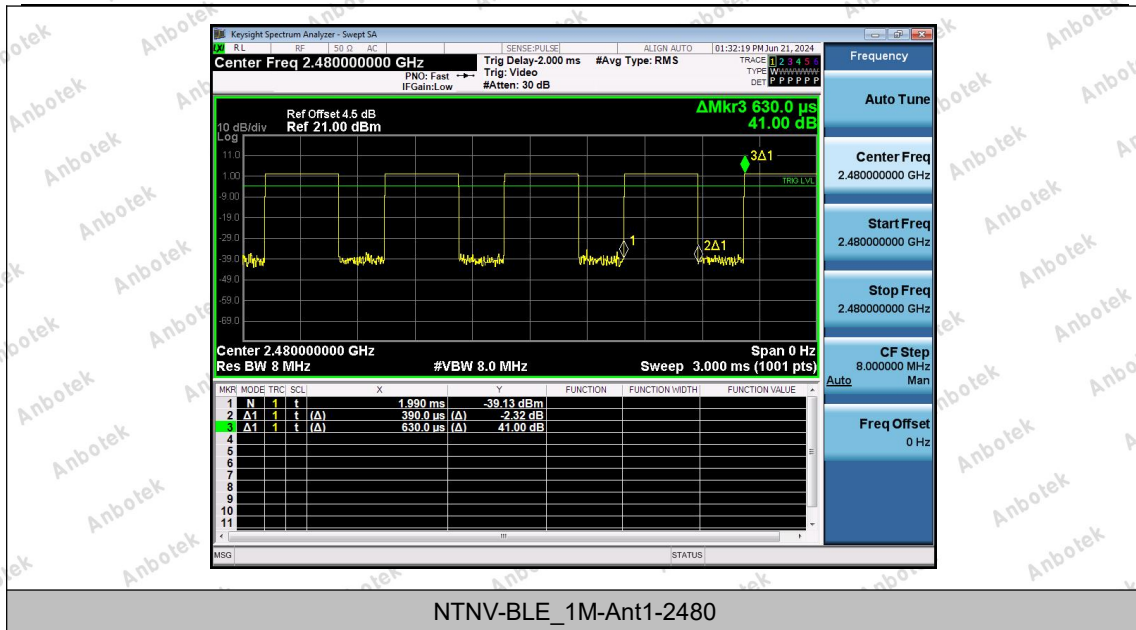


NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440





NTNV-BLE_1M-Ant1-2480

---End---

