

Appendix Test Data

Report No.:	1814C40017012501	Test Sample No.:	1-2-2
Start Test Date:	2024.8.20	Finish Test Date:	2024.8.20
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	23.3℃	Relative Humidity:	53%
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	0.680	2401.624	2402.304	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.644	2440.308	0.5	PASS
BLE_1M	Ant1	2480	0.708	2479.612	2480.320	0.5	PASS



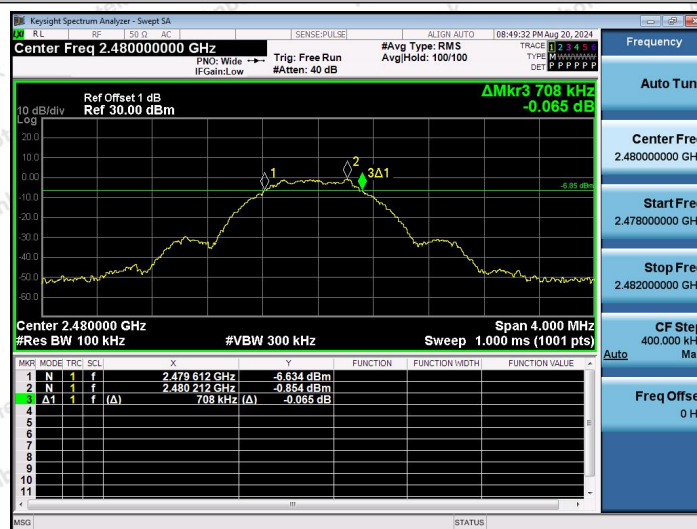
Test Graphs



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	1.0242	2401.4606	2402.4848	---	---
BLE_1M	Ant1	2440	1.0272	2439.4587	2440.4859	---	---
BLE_1M	Ant1	2480	1.0285	2479.4572	2480.4857	---	---



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	0.72	≤30	PASS
BLE_1M	Ant1	2440	1.79	≤30	PASS
BLE_1M	Ant1	2480	0.29	≤30	PASS

Test Graphs Peak



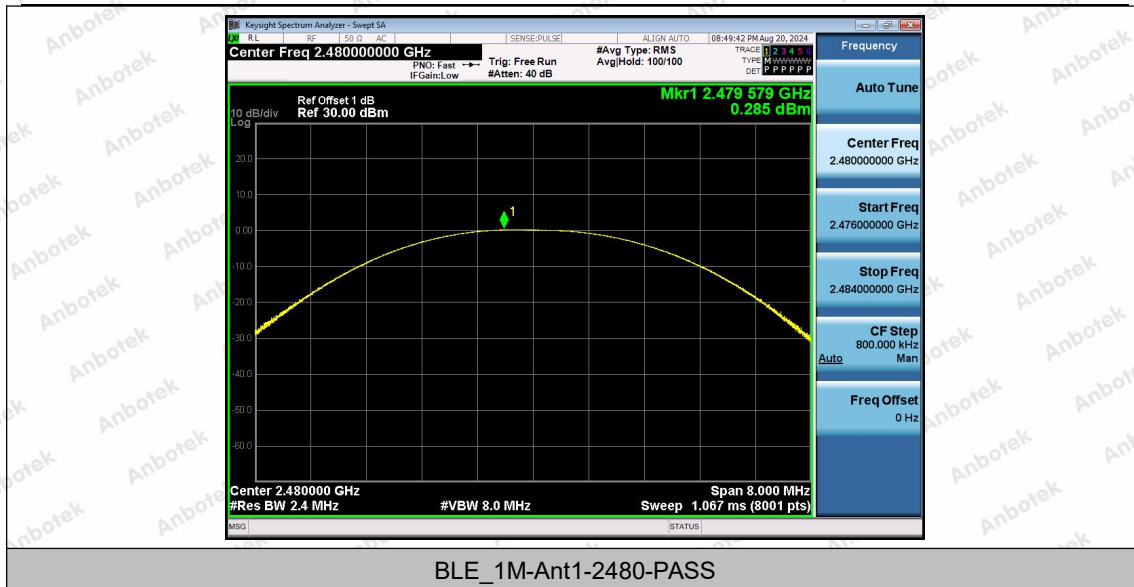
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.53	≤8.00	PASS
BLE_1M	Ant1	2440	-13.43	≤8.00	PASS
BLE_1M	Ant1	2480	-14.96	≤8.00	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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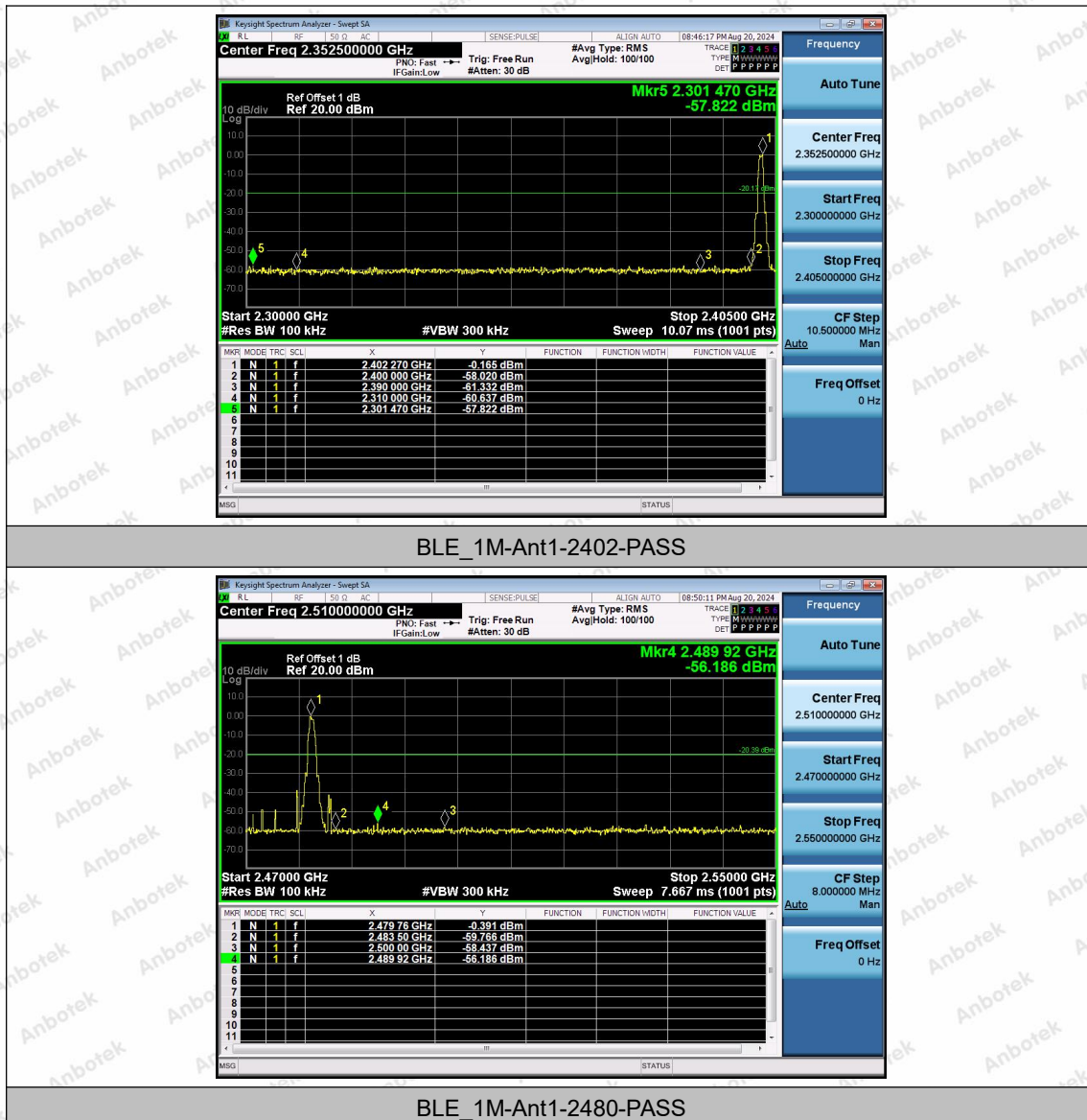
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.17	-57.82	≤-20.17	PASS
BLE_1M	Ant1	High	2480	-0.39	-56.19	≤-20.39	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

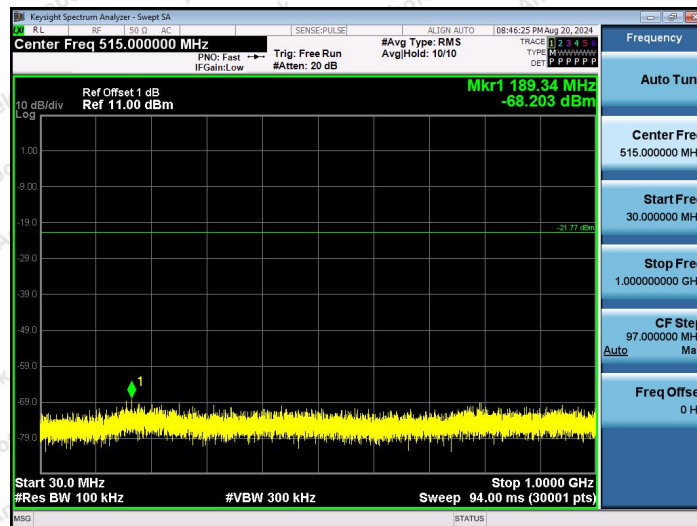
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.77	-1.77	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.77	-68.2	≤-21.77	PASS
BLE_1M	Ant1	2402	1000~26500	-1.77	-53.09	≤-21.77	PASS
BLE_1M	Ant1	2440	0~Reference	0.26	0.26	---	PASS
BLE_1M	Ant1	2440	30~1000	0.26	-69.15	≤-19.74	PASS
BLE_1M	Ant1	2440	1000~26500	0.26	-53.16	≤-19.74	PASS
BLE_1M	Ant1	2480	0~Reference	-1.26	-1.26	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.26	-68.59	≤-21.26	PASS
BLE_1M	Ant1	2480	1000~26500	-1.26	-53.35	≤-21.26	PASS



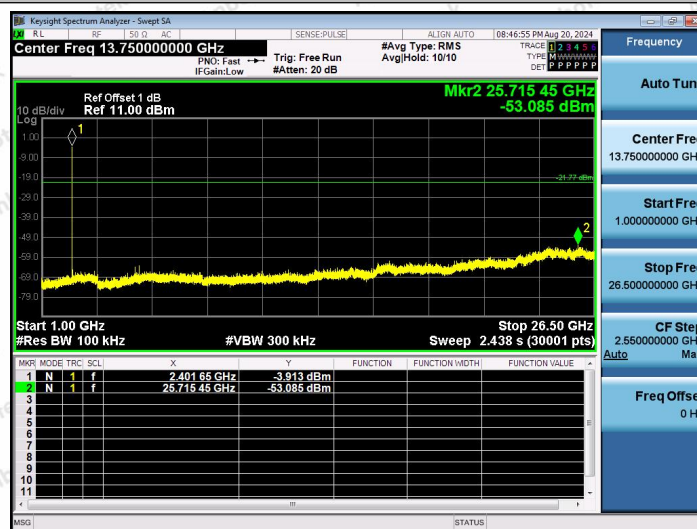
Test Graphs



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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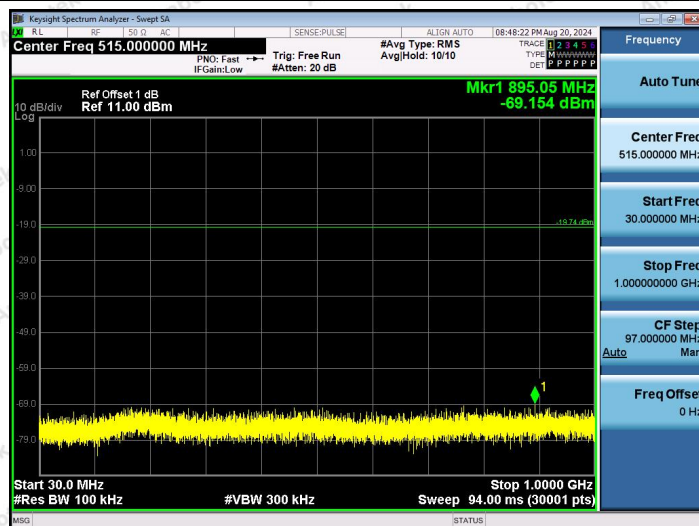


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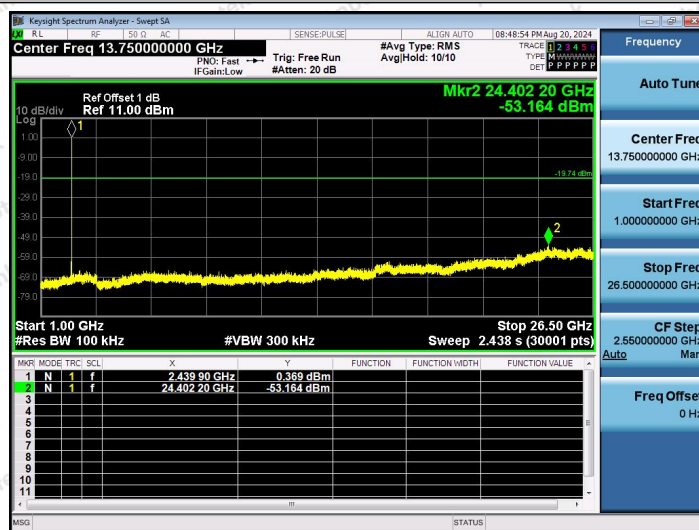




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

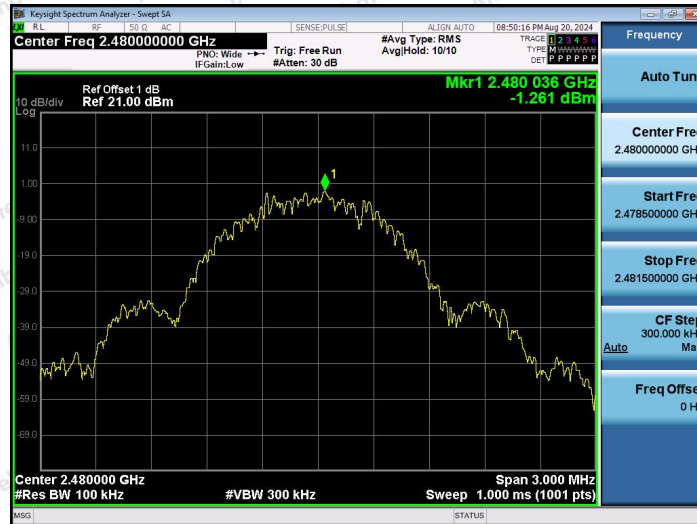
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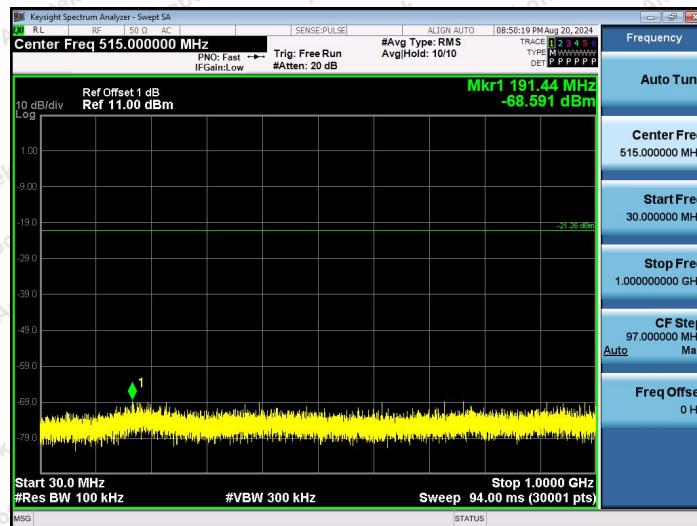


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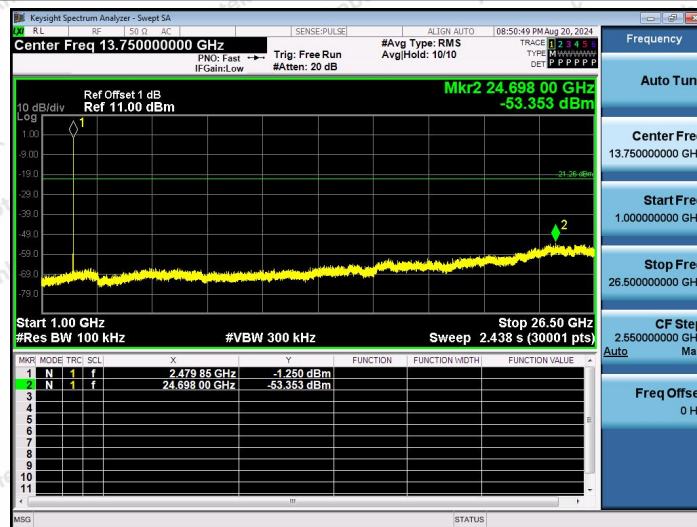




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



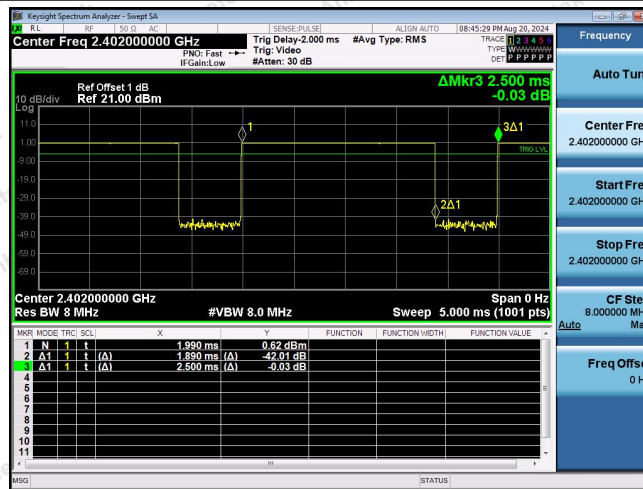
Appendix G: Duty Cycle

Test Result

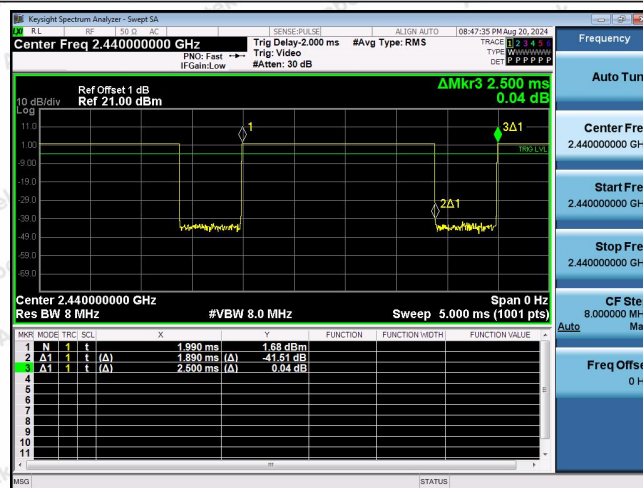
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1.89	2.50	75.60	1.21
BLE_1M	Ant1	2440	1.89	2.50	75.60	1.21
BLE_1M	Ant1	2480	1.89	2.50	75.60	1.21



Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480

---End---

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