

Appendix Test Data

Report No.:	182518C400012101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.22	Finish Test Date:	2024.05.23
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	44%
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	0.664	2401.668	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.676	2439.648	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.672	2480.336	0.5	PASS

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Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-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	1.0412	2401.4868	2402.5280	---	---
BLE_1M	Ant1	2440	1.0279	2439.4926	2440.5205	---	---
BLE_1M	Ant1	2480	1.0326	2479.4914	2480.5240	---	---

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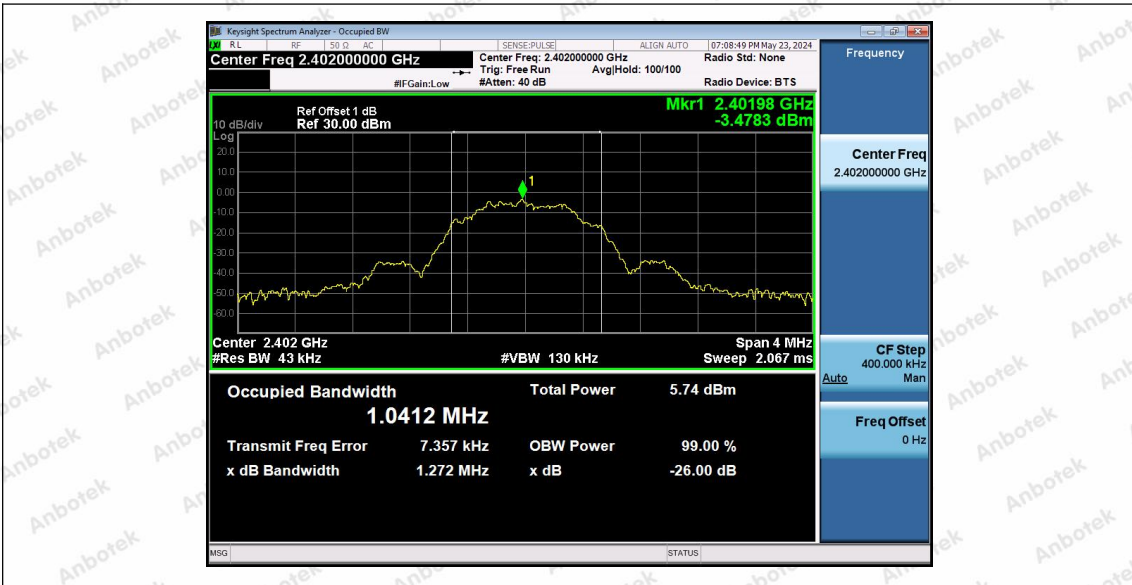
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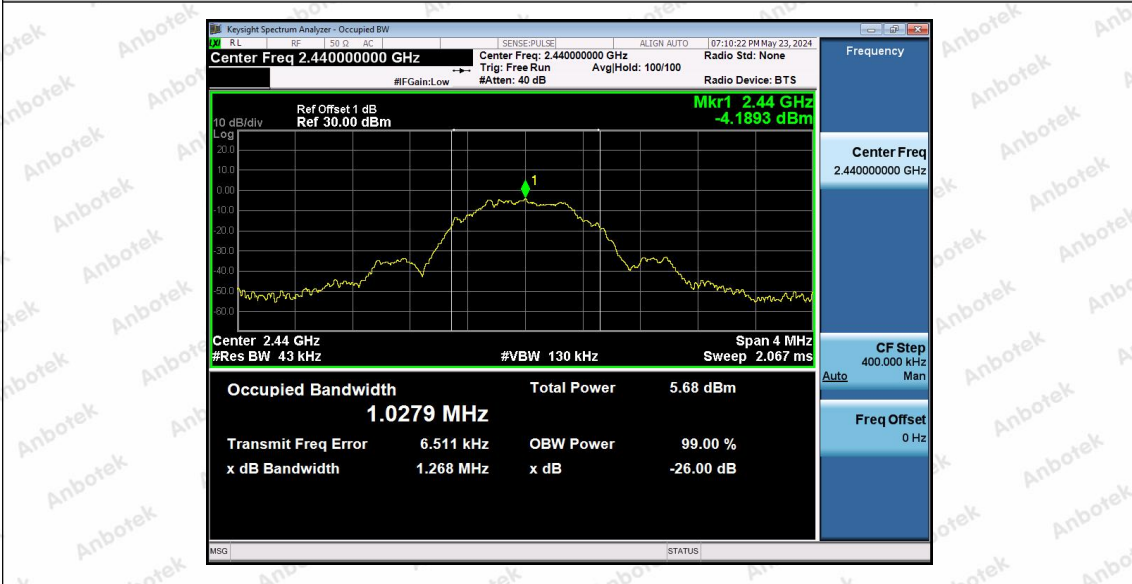
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Test Graphs



BLE_1M-Ant1-2402



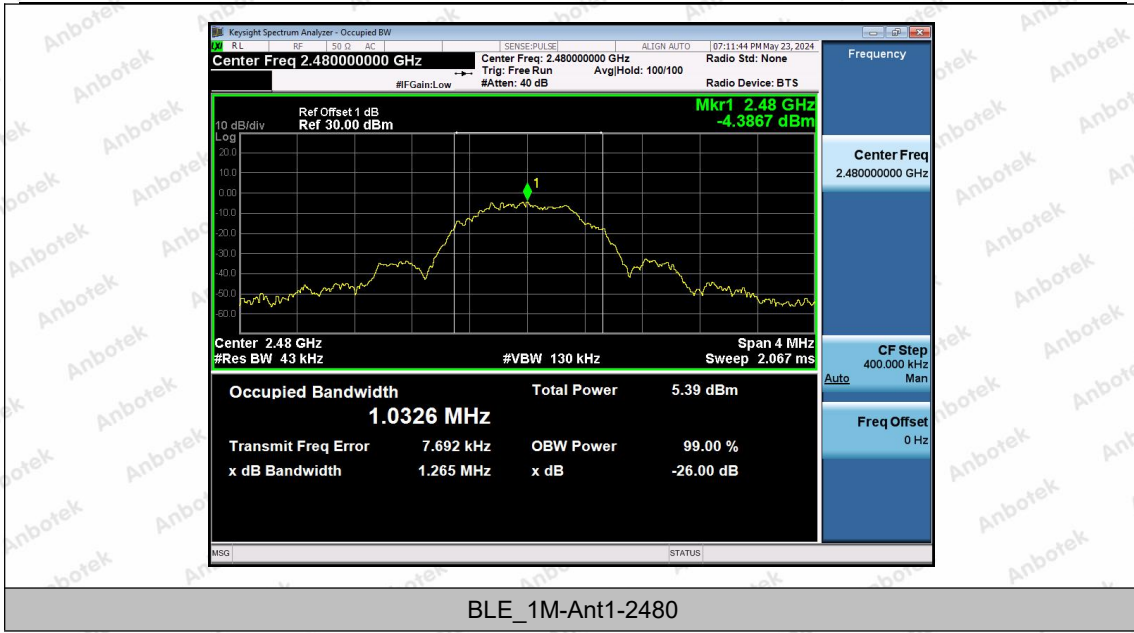
BLE_1M-Ant1-2440

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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	-0.70	≤30	PASS
BLE_1M	Ant1	2440	-0.81	≤30	PASS
BLE_1M	Ant1	2480	-0.98	≤30	PASS



Test Graphs Peak

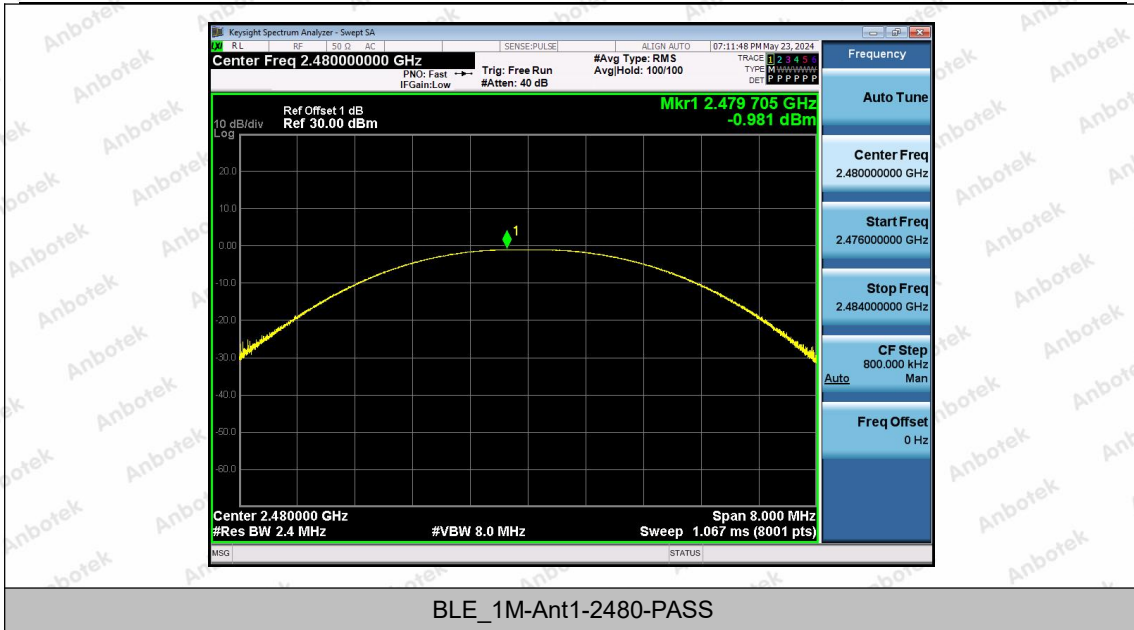


BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS





BLE_1M-Ant1-2480-PASS

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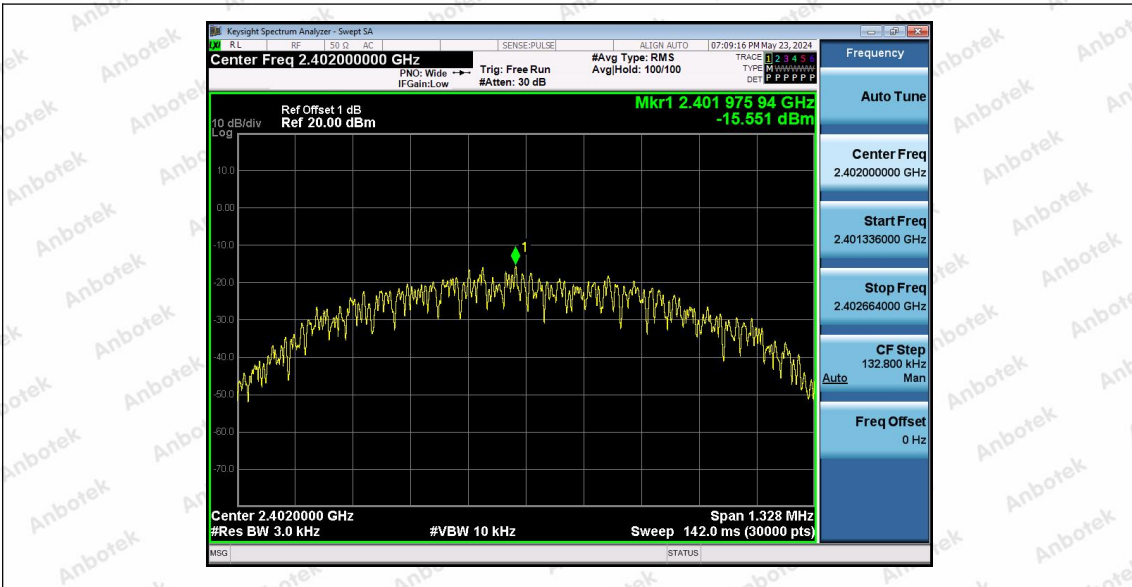
Appendix D: Maximum power spectral density

Test Result

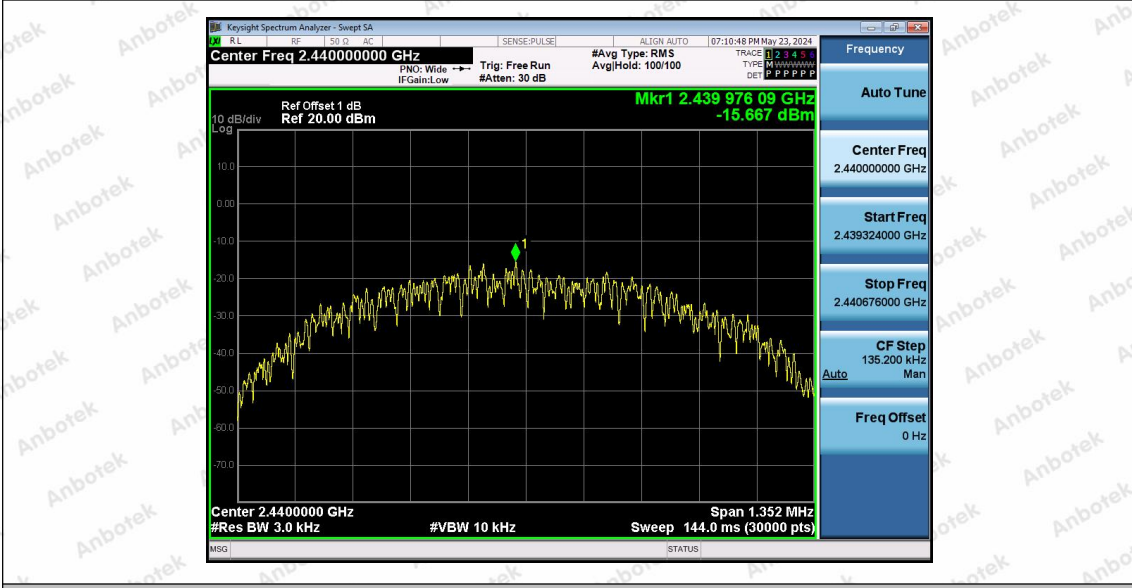
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.55	≤8.00	PASS
BLE_1M	Ant1	2440	-15.67	≤8.00	PASS
BLE_1M	Ant1	2480	-15.84	≤8.00	PASS



Test Graphs

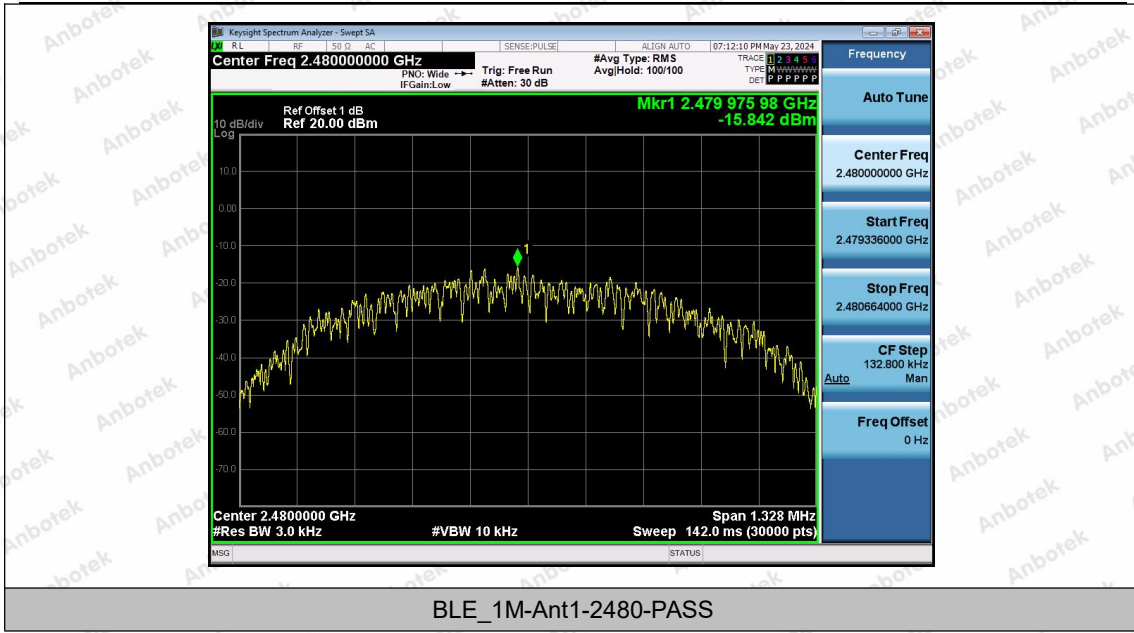


BLE_1M-Ant1-240-PASS



BLE_1M-Ant1-2440-PASS





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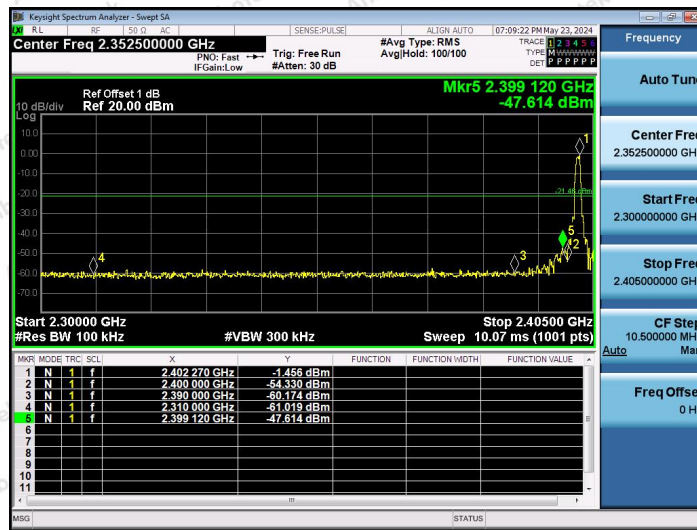
Appendix E: Band edge measurements

Test Result

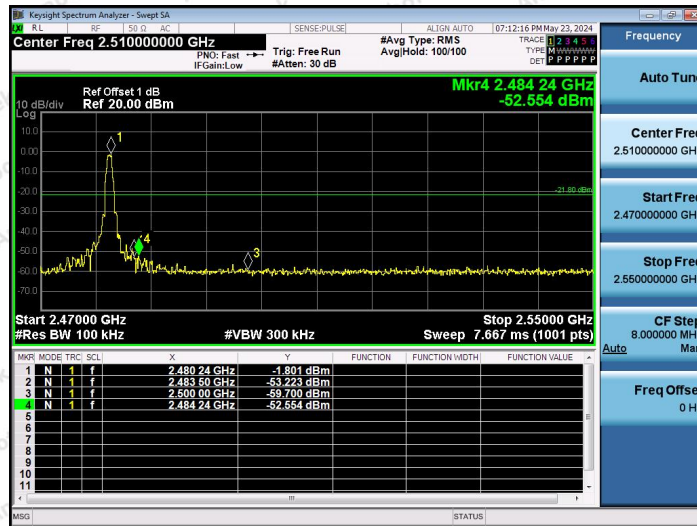
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.46	-47.61	≤-21.46	PASS
BLE_1M	Ant1	High	2480	-1.80	-52.55	≤-21.8	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

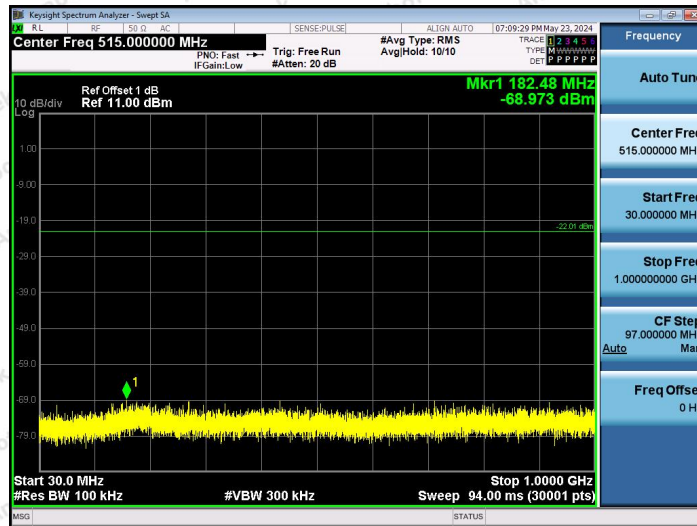
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.01	-2.01	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.01	-68.97	≤-22.01	PASS
BLE_1M	Ant1	2402	1000~26500	-2.01	-49.92	≤-22.01	PASS
BLE_1M	Ant1	2440	0~Reference	-2.20	-2.20	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.20	-69.01	≤-22.2	PASS
BLE_1M	Ant1	2440	1000~26500	-2.20	-48.65	≤-22.2	PASS
BLE_1M	Ant1	2480	0~Reference	-2.43	-2.43	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.43	-68.94	≤-22.43	PASS
BLE_1M	Ant1	2480	1000~26500	-2.43	-48.85	≤-22.43	PASS



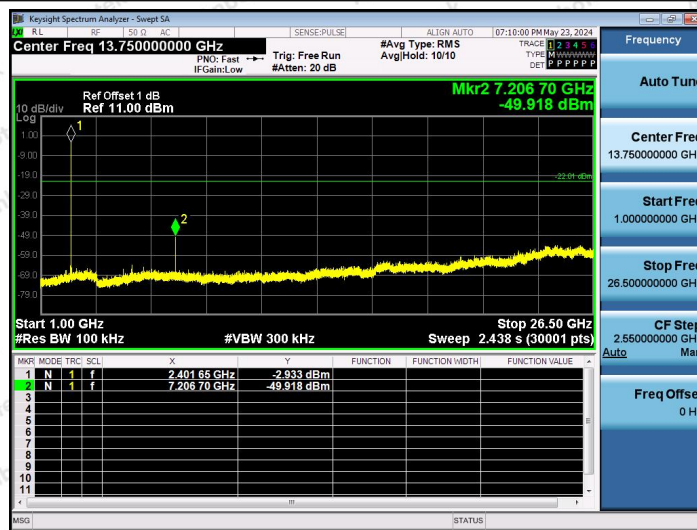
Test Graphs



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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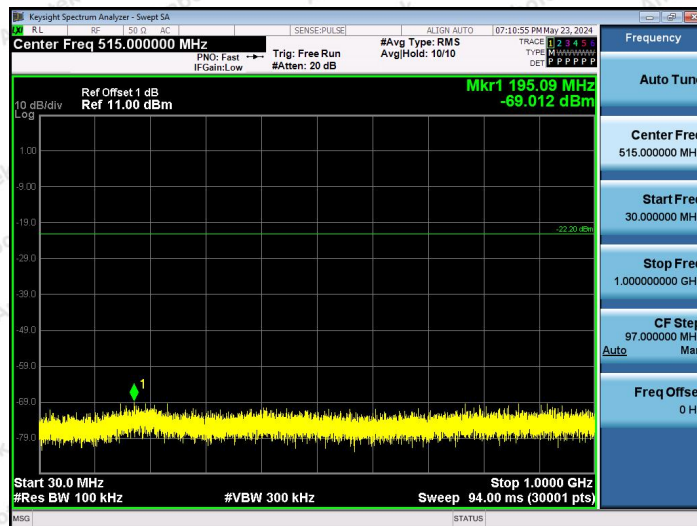
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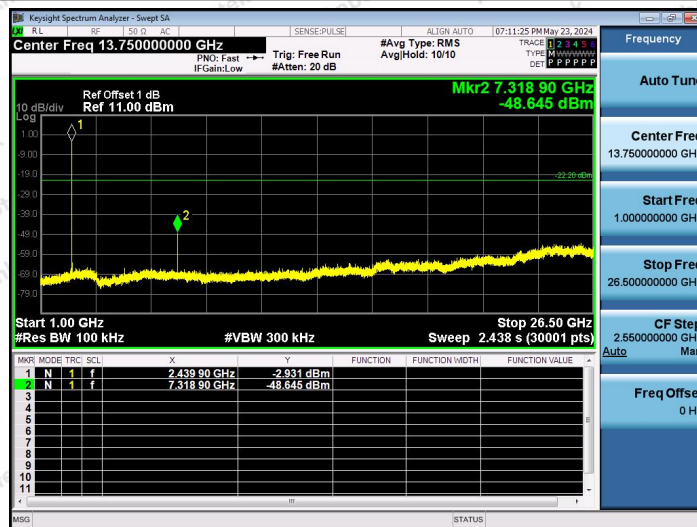




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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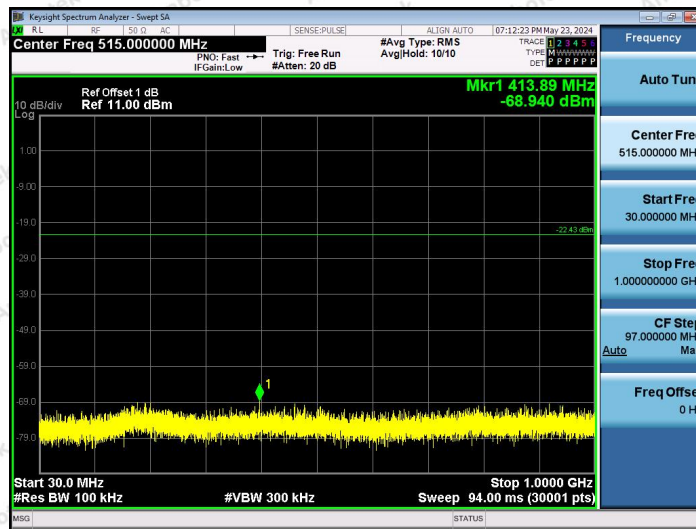
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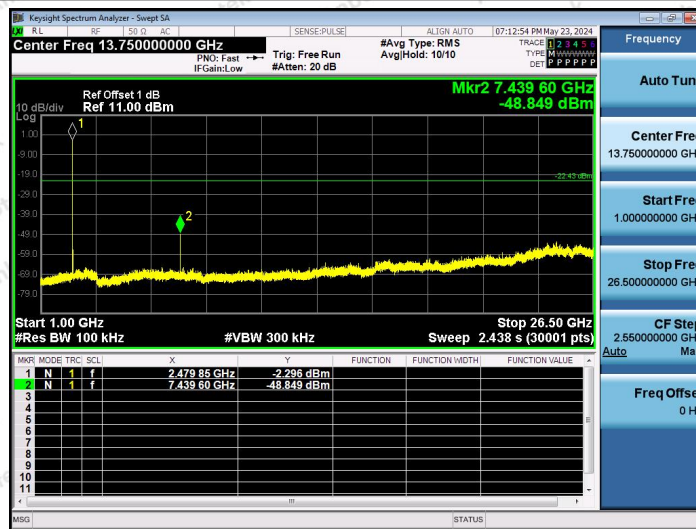




BLE_1M-Ant1-2480-0~Reference-PASS



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	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

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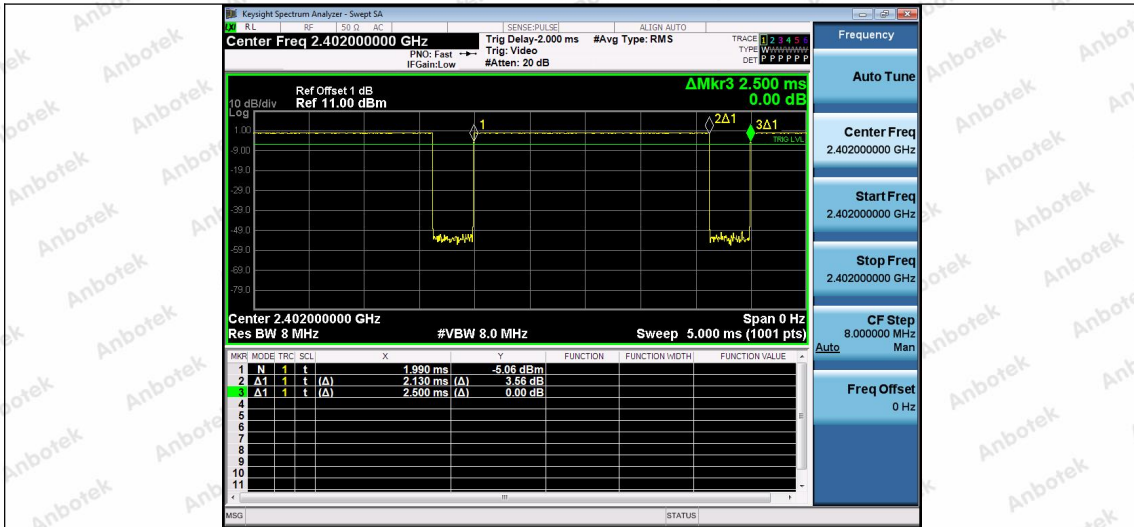
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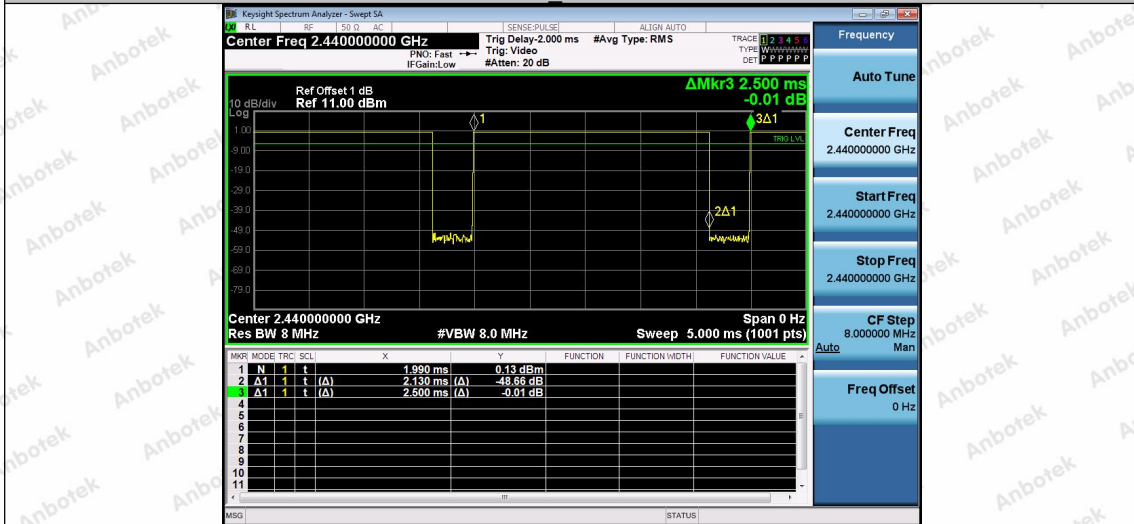
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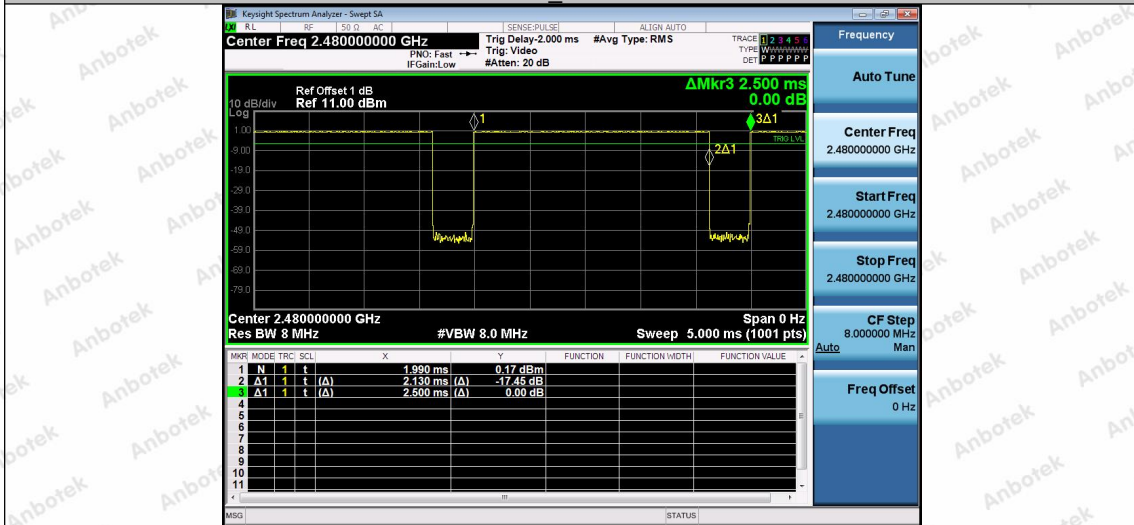
Test Graphs



NTNV-BLE 1M-Ant1-2402



NTNV-BLE 1M-Ant1-2440



NTNV-BLE 1M-Ant1-2480

---END---

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