

Appendix Test Data

Report No.:	182514C400035101	Test Sample No.:	1-2-2
Start Test Date:	2024.6.14	Finish Test Date:	2024.6.21
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

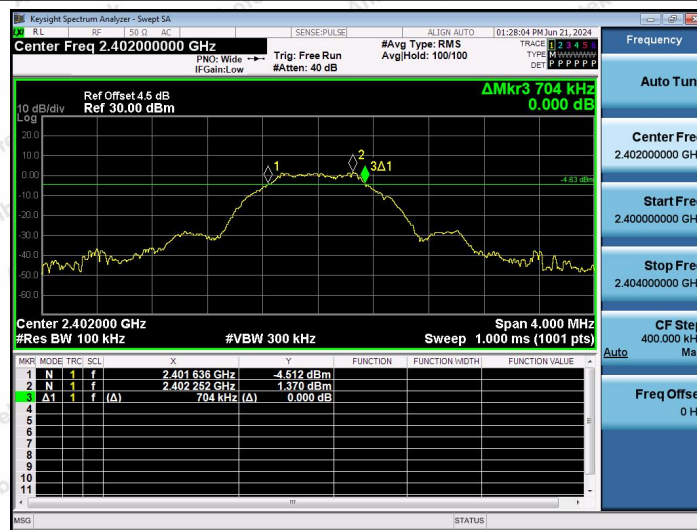
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.636	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.676	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.660	2479.672	2480.332	0.5	PASS



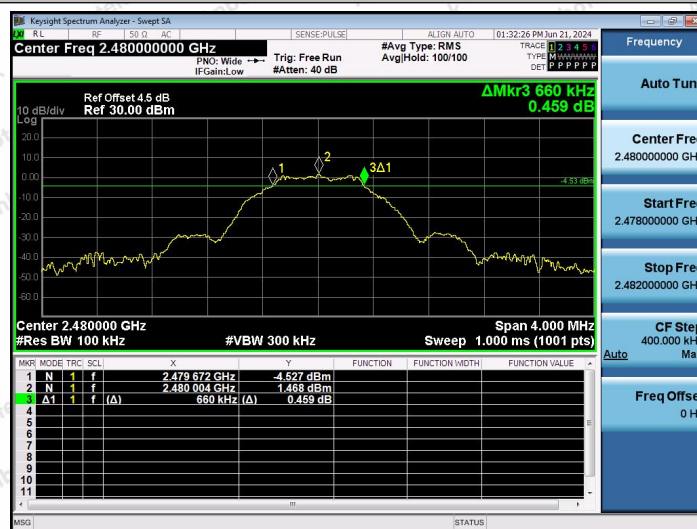
Test Graphs



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	1.0393	2401.4877	2402.5270	---	---
BLE_1M	Ant1	2440	1.0361	2439.4908	2440.5269	---	---
BLE_1M	Ant1	2480	1.0316	2479.4911	2480.5227	---	---



Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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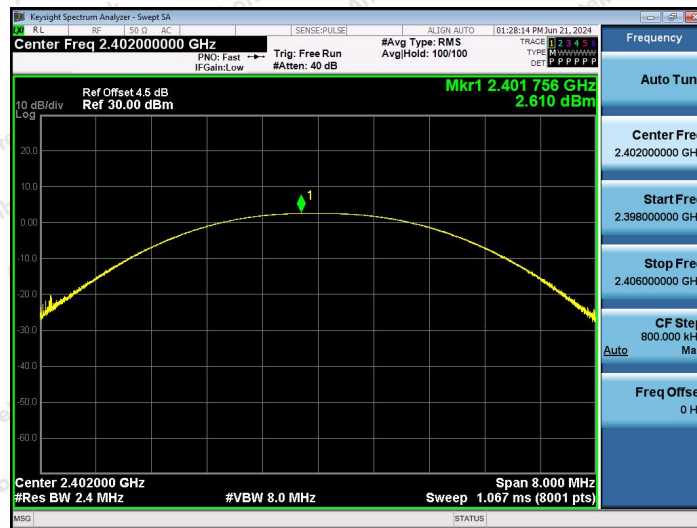
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.61	≤30	2.61	≤36	PASS
BLE_1M	Ant1	2440	2.41	≤30	2.41	≤36	PASS
BLE_1M	Ant1	2480	2.14	≤30	2.14	≤36	PASS



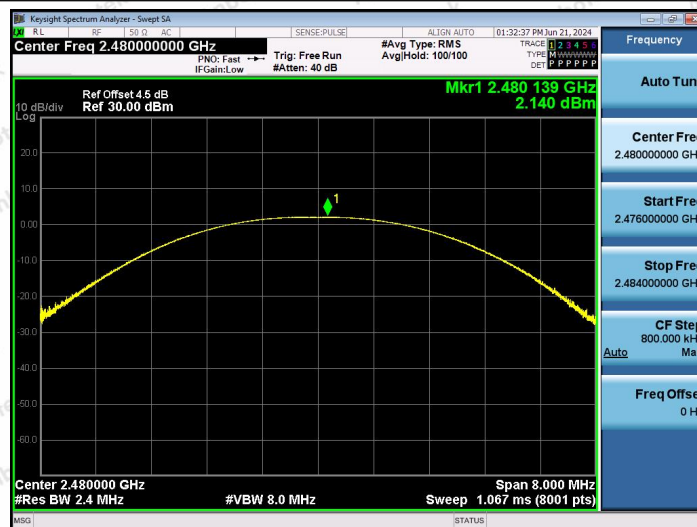
Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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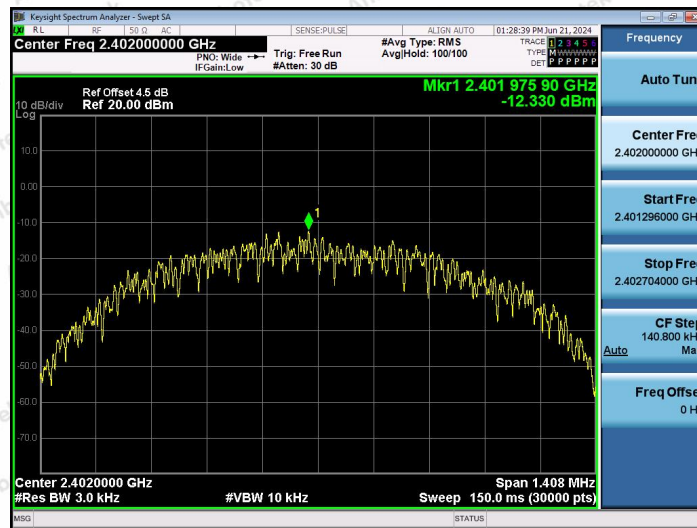
Appendix D: Maximum power spectral density

Test Result

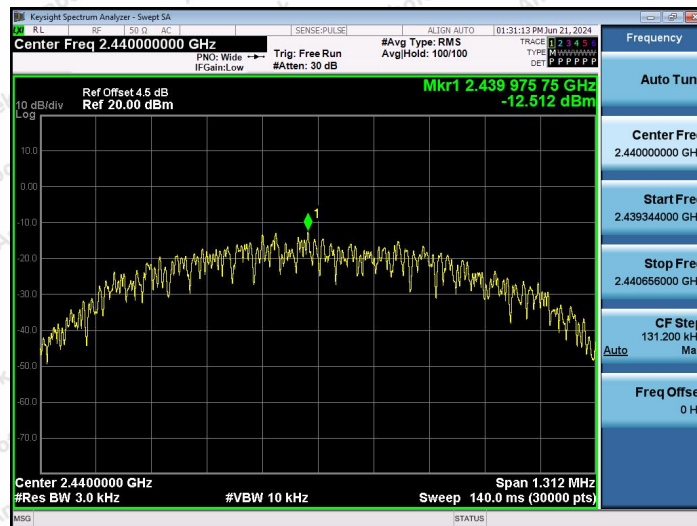
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.33	≤8.00	PASS
BLE_1M	Ant1	2440	-12.51	≤8.00	PASS
BLE_1M	Ant1	2480	-12.80	≤8.00	PASS



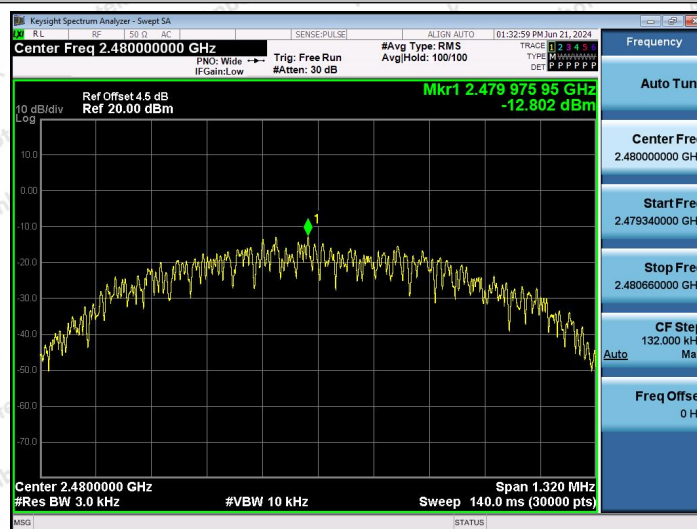
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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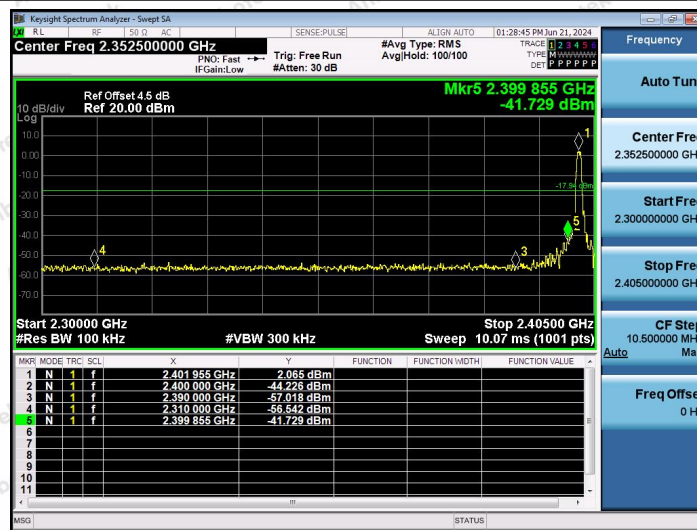
Appendix E: Band edge measurements

Test Result

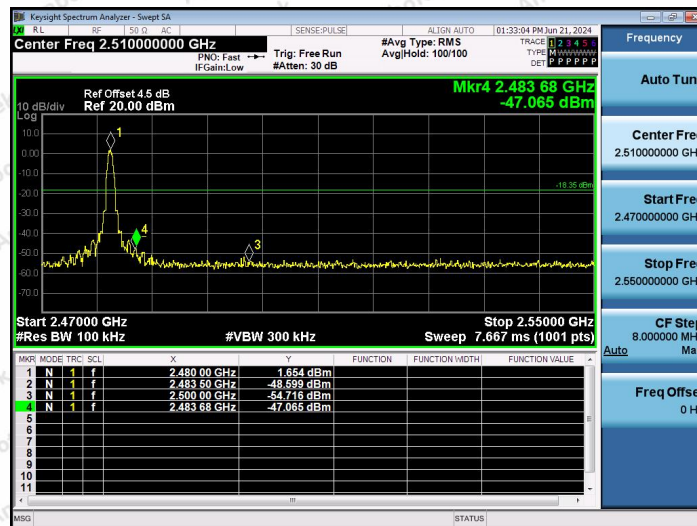
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.07	-41.73	≤-17.94	PASS
BLE_1M	Ant1	High	2480	1.65	-47.07	≤-18.35	PASS



Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

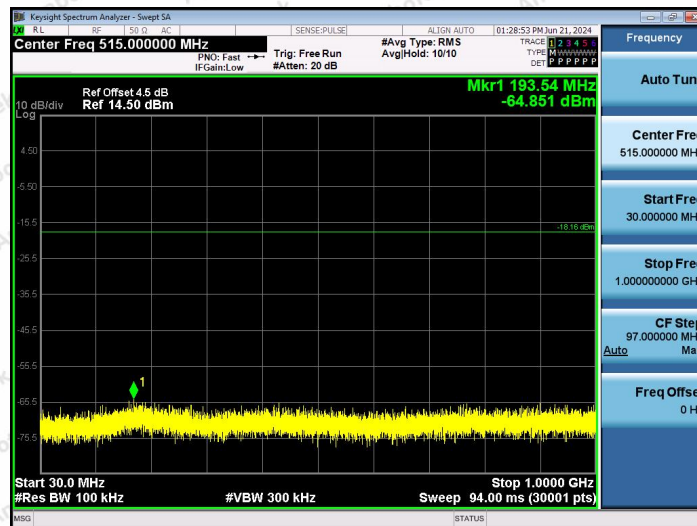
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.84	1.84	---	PASS
BLE_1M	Ant1	2402	30~1000	1.84	-64.85	≤-18.16	PASS
BLE_1M	Ant1	2402	1000~26500	1.84	-47.85	≤-18.16	PASS
BLE_1M	Ant1	2440	0~Reference	1.56	1.56	---	PASS
BLE_1M	Ant1	2440	30~1000	1.56	-64.85	≤-18.44	PASS
BLE_1M	Ant1	2440	1000~26500	1.56	-45.95	≤-18.44	PASS
BLE_1M	Ant1	2480	0~Reference	0.50	0.50	---	PASS
BLE_1M	Ant1	2480	30~1000	0.50	-65.25	≤-19.5	PASS
BLE_1M	Ant1	2480	1000~26500	0.50	-46.86	≤-19.5	PASS



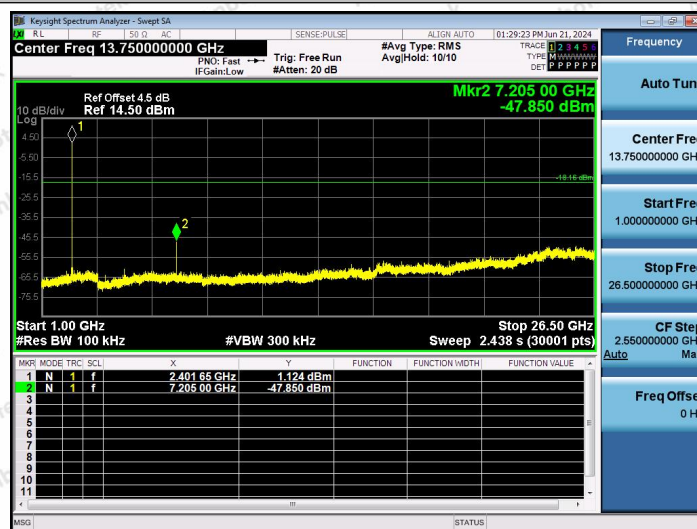
Test Graphs



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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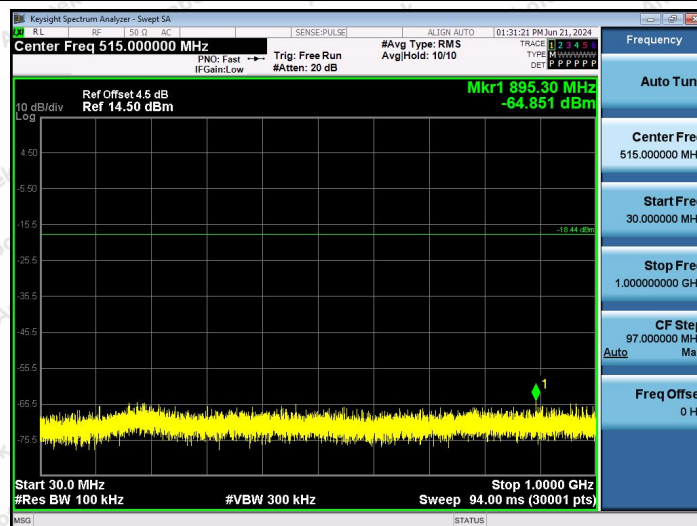


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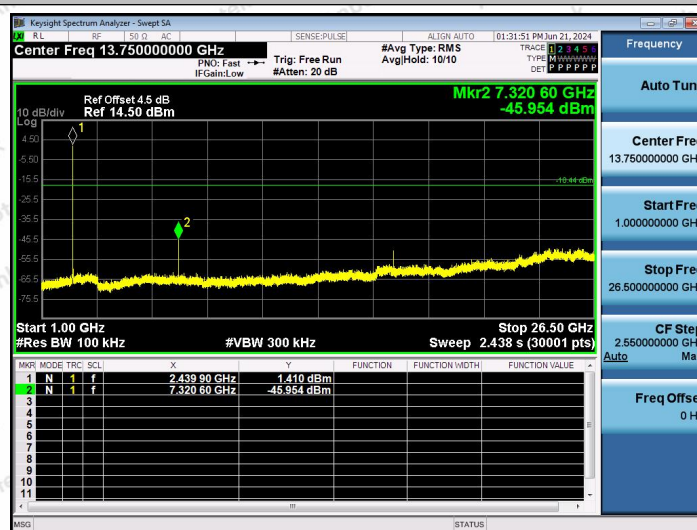




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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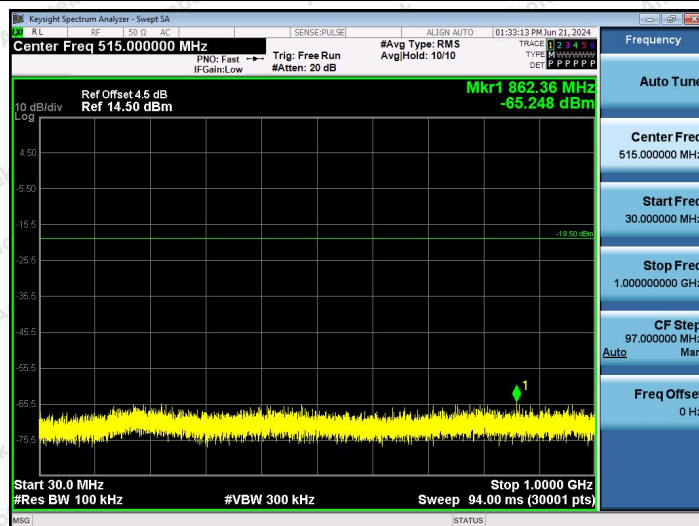


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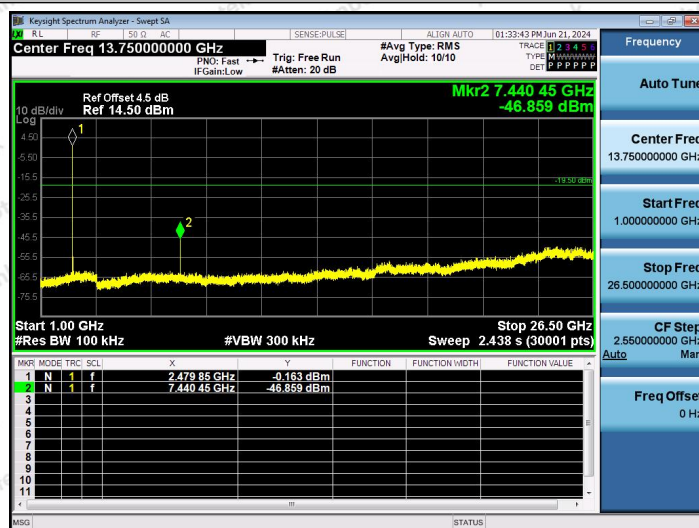




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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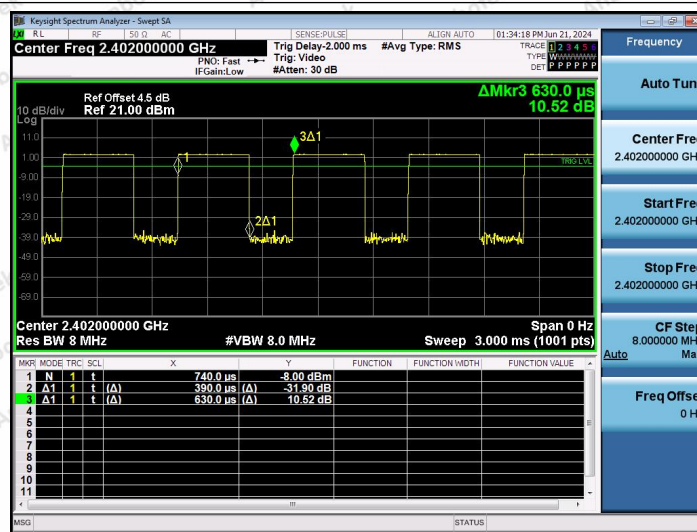


Appendix G: Duty Cycle

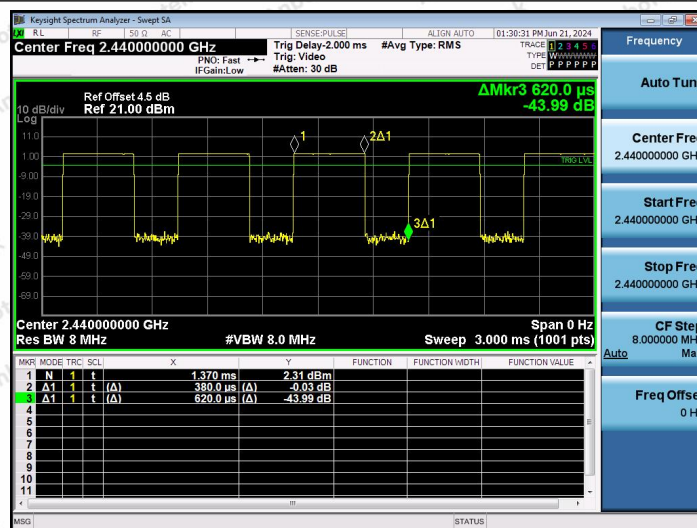
Test Result

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

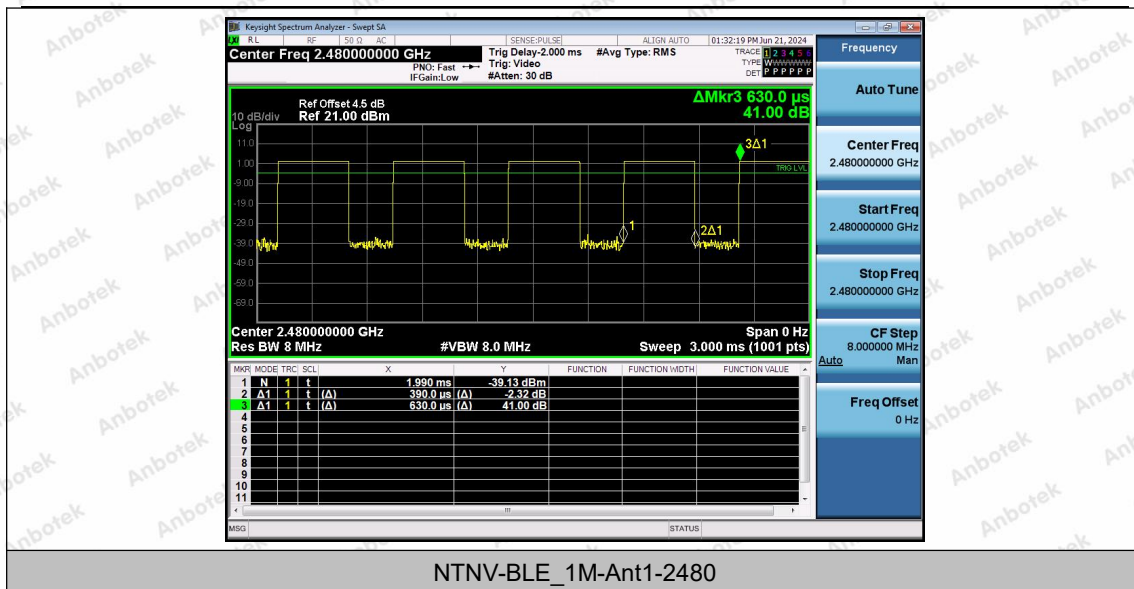


NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440





---End---

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