

## Appendix Test Data

Report No.:	1814C40047812501	Test Sample No.:	1-2-2
Start Test Date:	2024.9.7	Finish Test Date:	2024.9.7
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	0.688	2401.628	2402.316	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.620	2440.308	0.5	PASS
BLE_1M	Ant1	2480	0.704	2479.616	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	1.0251	2401.4632	2402.4883	---	---
BLE_1M	Ant1	2440	1.0298	2439.4571	2440.4869	---	---
BLE_1M	Ant1	2480	1.0323	2479.4562	2480.4885	---	---



## Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



BLE\_1M-Ant1-2480

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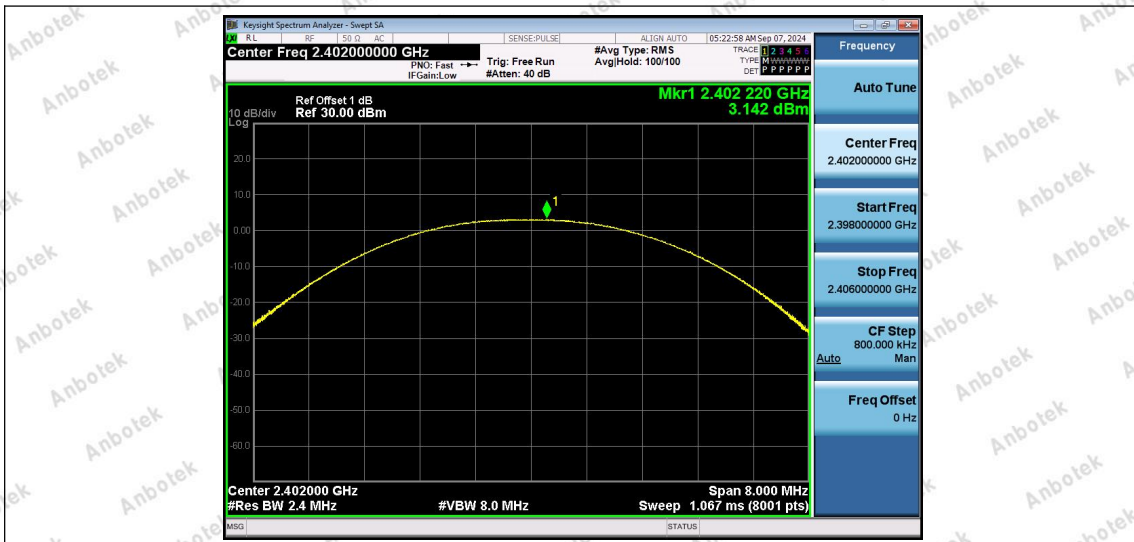
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.14	≤30	PASS
BLE_1M	Ant1	2440	<b>4.12</b>	≤30	PASS
BLE_1M	Ant1	2480	2.62	≤30	PASS



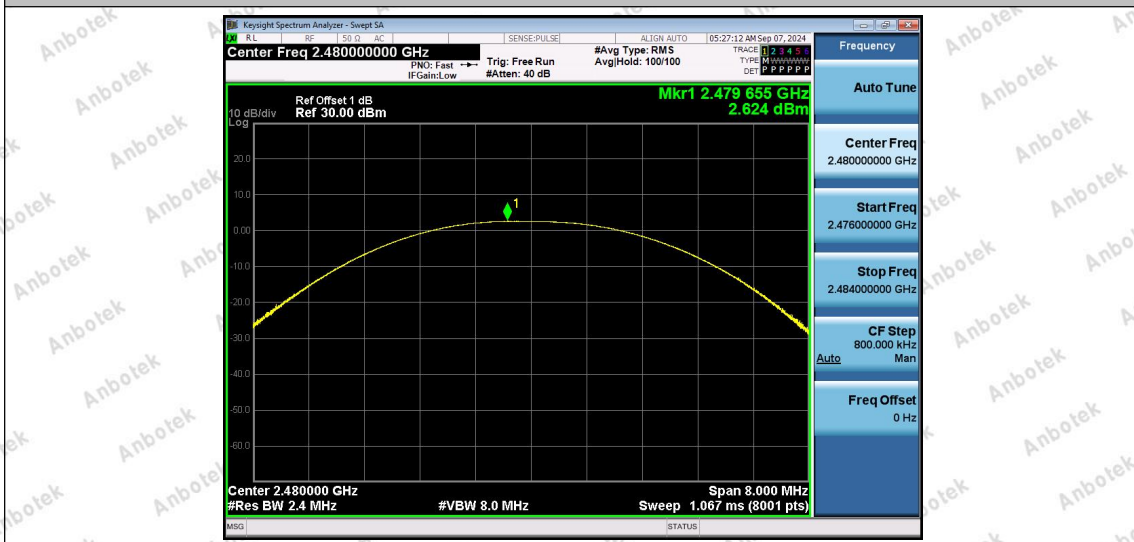
## Test Graphs Peak



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

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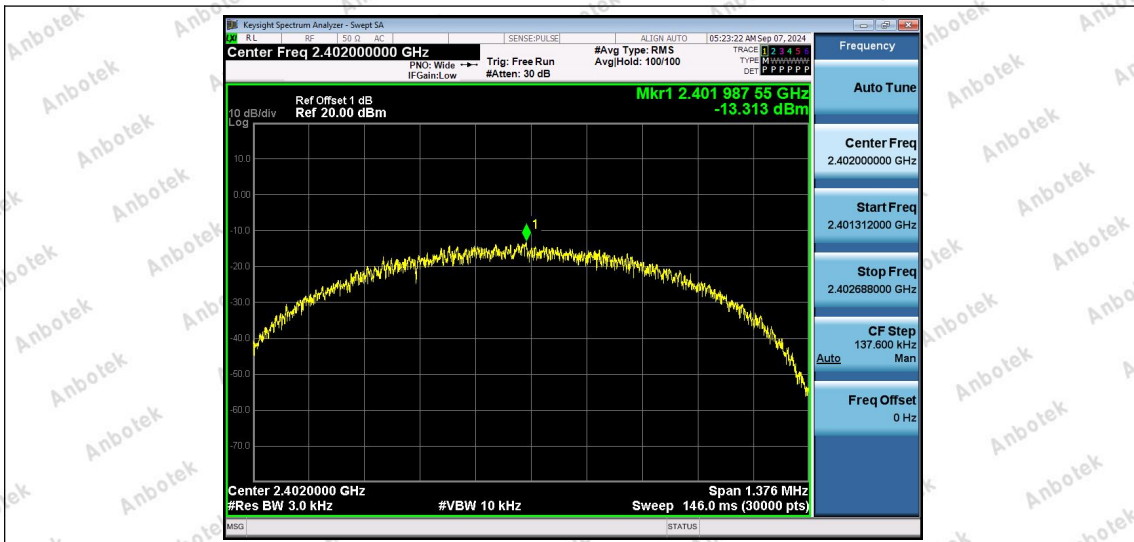
## Appendix D: Maximum power spectral density

### Test Result

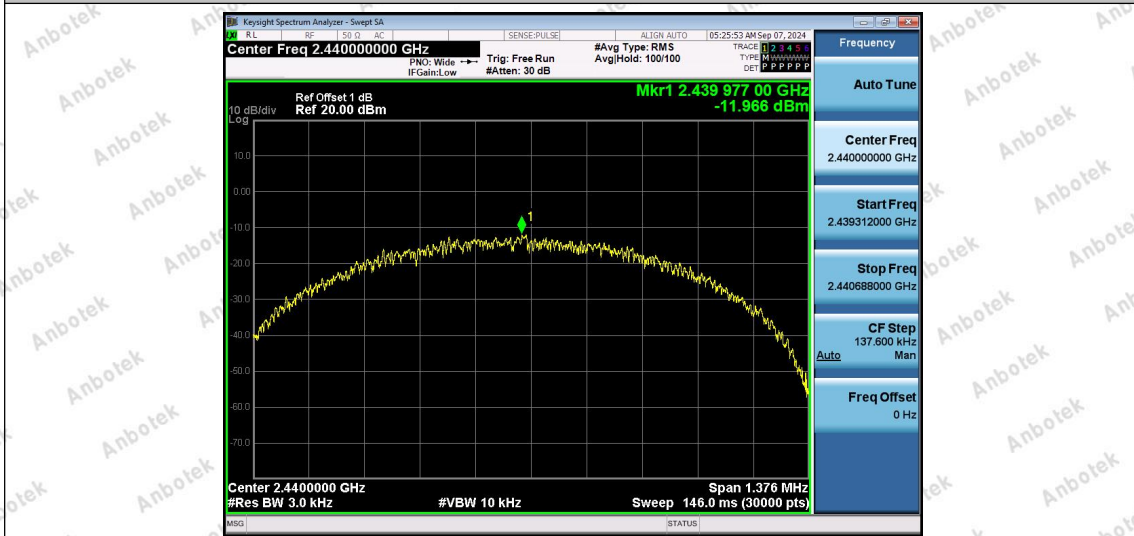
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.31	≤8.00	PASS
BLE_1M	Ant1	2440	-11.97	≤8.00	PASS
BLE_1M	Ant1	2480	-13.47	≤8.00	PASS



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

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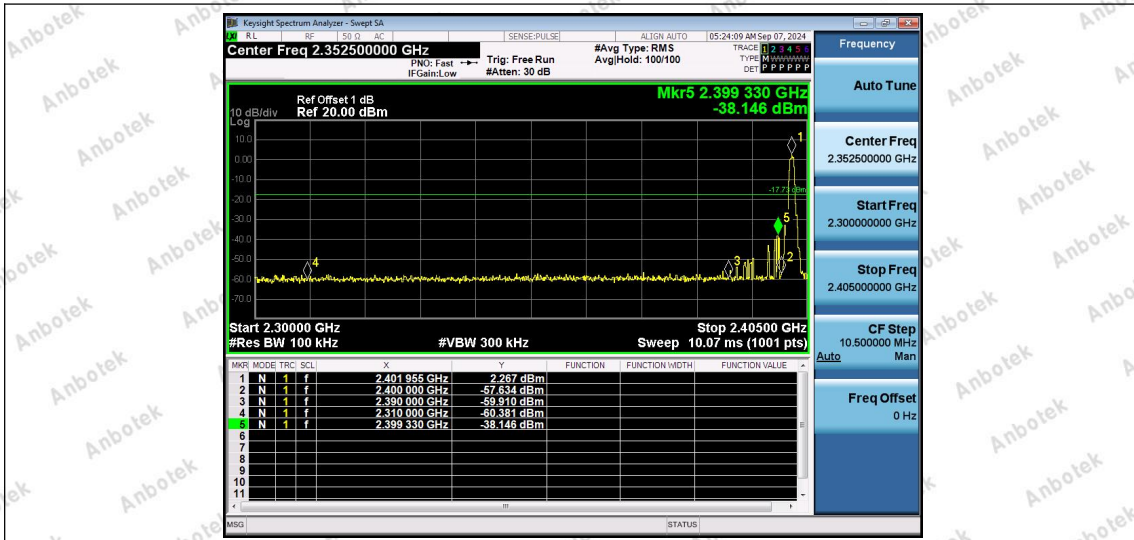
## Appendix E: Band edge measurements

### Test Result

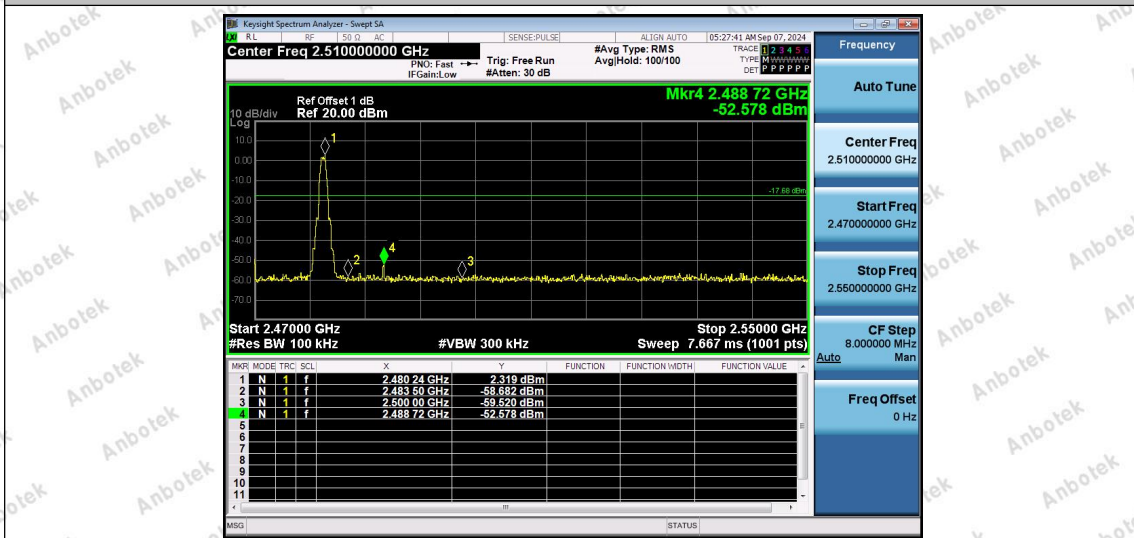
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.27	-38.15	≤-17.73	PASS
BLE_1M	Ant1	High	2480	2.32	-52.58	≤-17.68	PASS



**Test Graphs**



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS



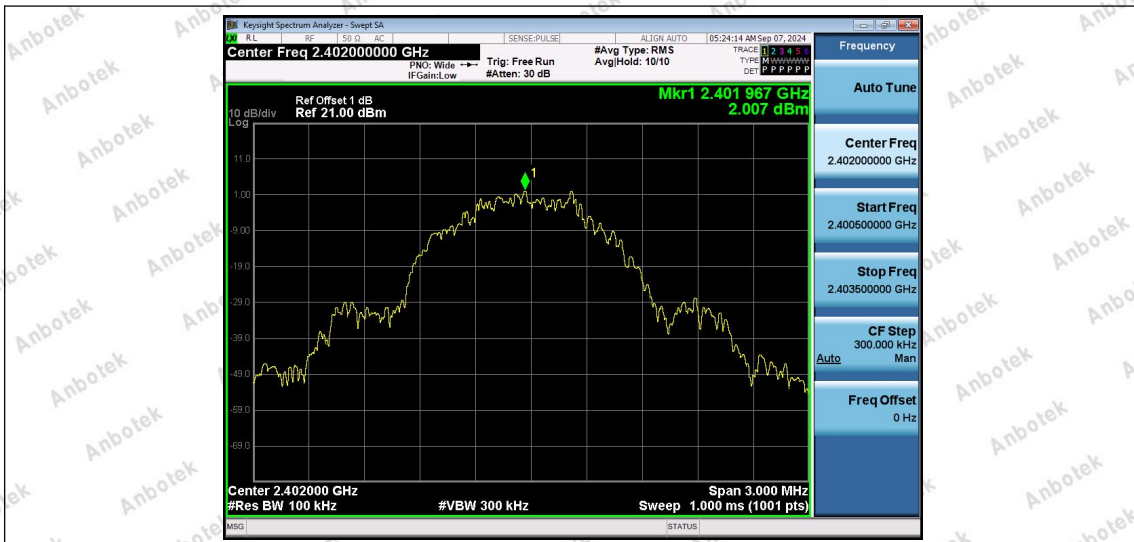
## Appendix F: Conducted Spurious Emission

### Test Result

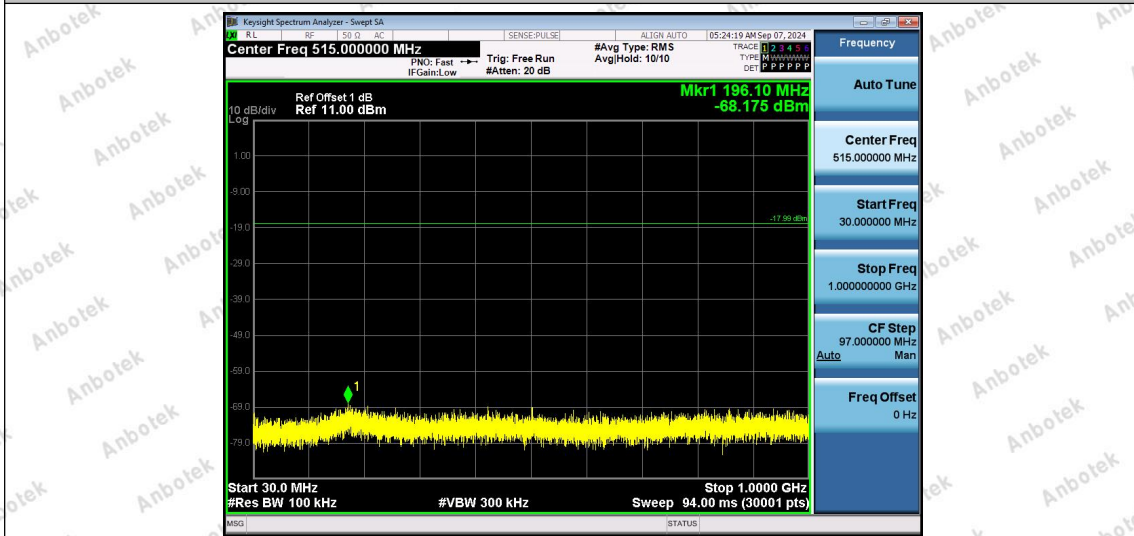
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.01	2.01	---	PASS
BLE_1M	Ant1	2402	30~1000	2.01	-68.18	≤-17.99	PASS
BLE_1M	Ant1	2402	1000~26500	2.01	-53.43	≤-17.99	PASS
BLE_1M	Ant1	2440	0~Reference	3.03	3.03	---	PASS
BLE_1M	Ant1	2440	30~1000	3.03	-68.22	≤-16.97	PASS
BLE_1M	Ant1	2440	1000~26500	3.03	-53.38	≤-16.97	PASS
BLE_1M	Ant1	2480	0~Reference	1.15	1.15	---	PASS
BLE_1M	Ant1	2480	30~1000	1.15	-68.25	≤-18.85	PASS
BLE_1M	Ant1	2480	1000~26500	1.15	-53.53	≤-18.85	PASS



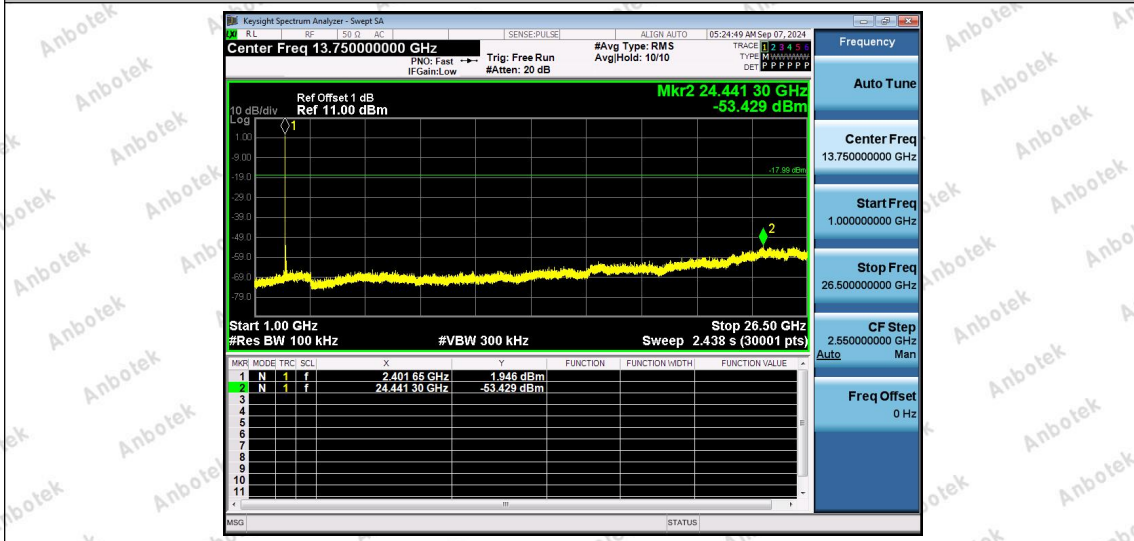
## Test Graphs



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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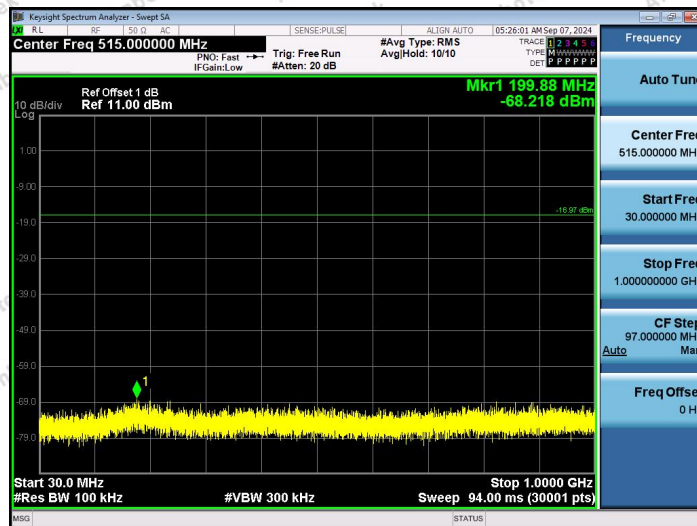


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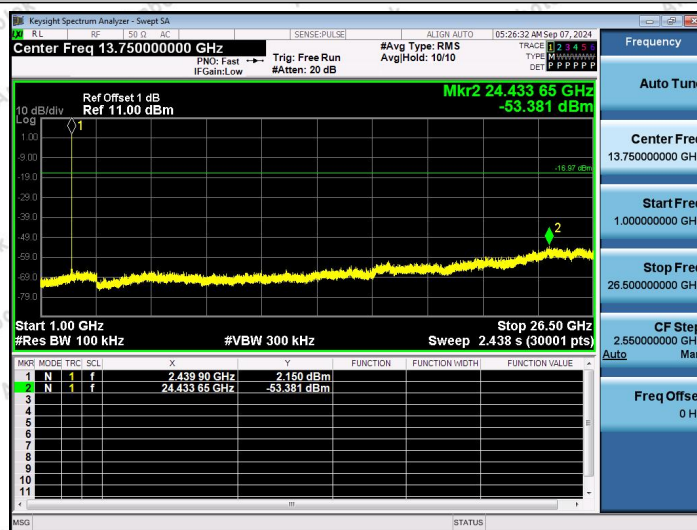




BLE\_1M-Ant1-2440-0~Reference-PASS



BLE\_1M-Ant1-2440-30~1000-PASS



BLE\_1M-Ant1-2440-1000~26500-PASS

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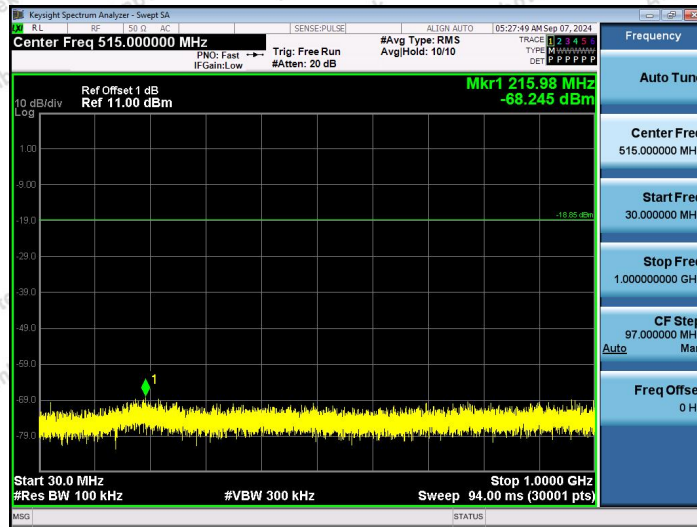
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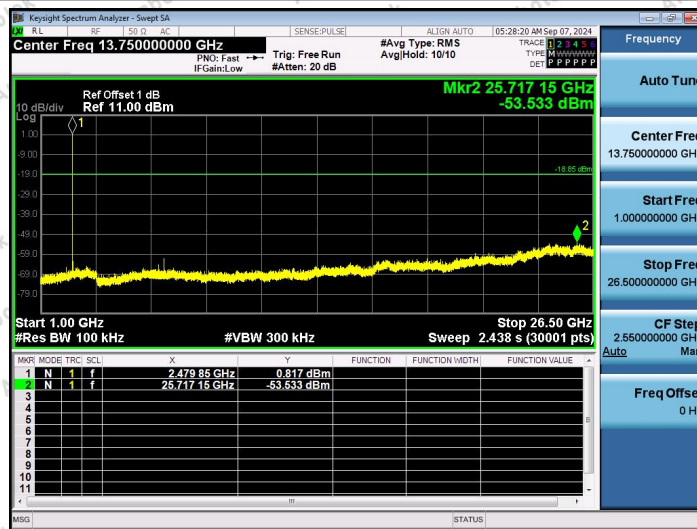




BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-30~1000-PASS



BLE\_1M-Ant1-2480-1000~26500-PASS

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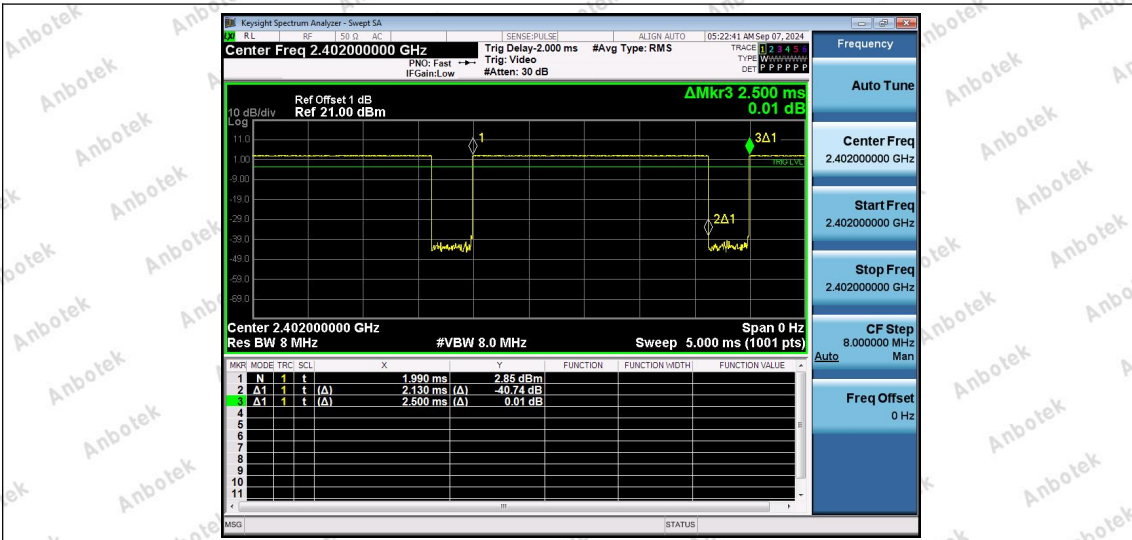
## Appendix G: Duty Cycle

### Test Result

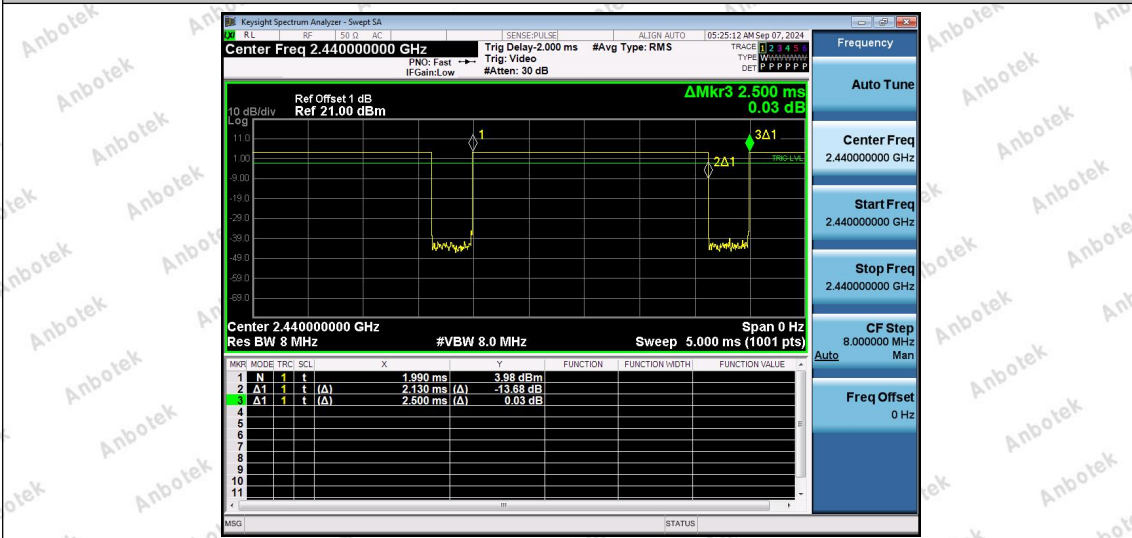
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70



**Test Graphs**



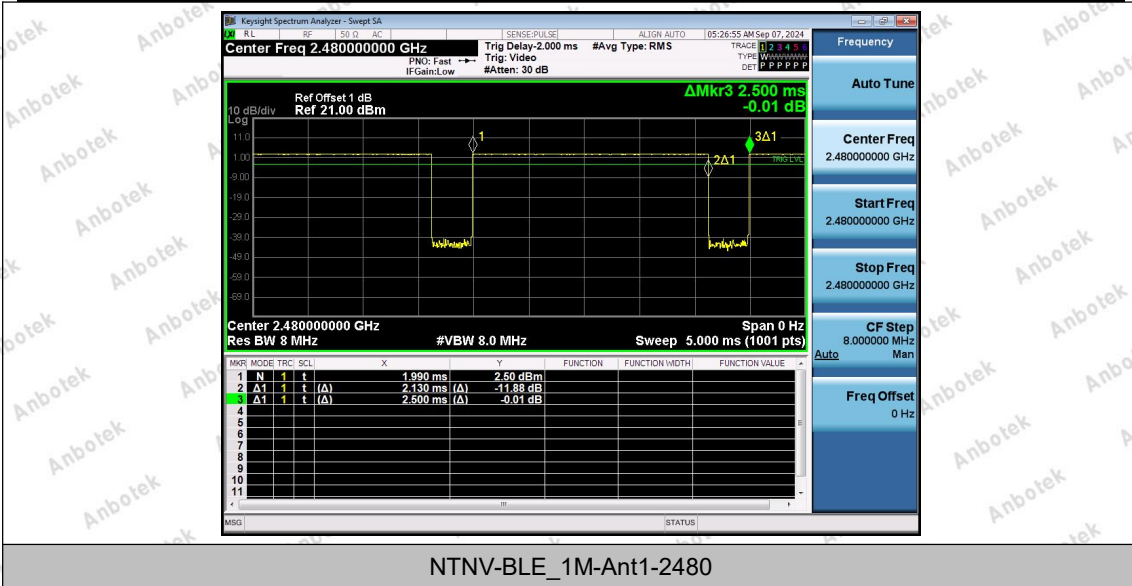
NTNV-BLE\_1M-Ant1-2402



NTNV-BLE\_1M-Ant1-2440







NTNV-BLE\_1M-Ant1-2480

---End---

