

## Appendix Test Data

Report No.:	182512C400248101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.01	Finish Test Date:	2024.7.24
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	49%
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	1.204	2401.504	2402.708	0.5	PASS
BLE_1M	Ant1	2440	1.184	2439.516	2440.700	0.5	PASS
BLE_1M	Ant1	2480	1.112	2479.516	2480.628	0.5	PASS

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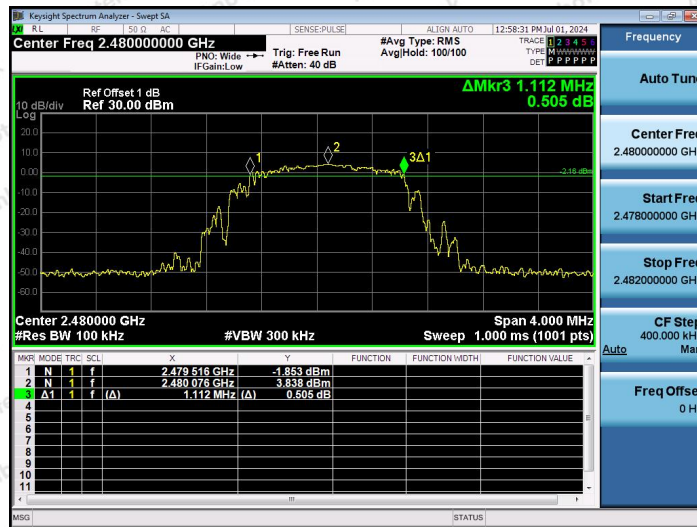
## Test Graphs



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	1.1315	2401.5115	2402.6430	---	---
BLE_1M	Ant1	2440	1.2366	2439.4701	2440.7067	---	---
BLE_1M	Ant1	2480	1.1625	2479.4653	2480.6278	---	---

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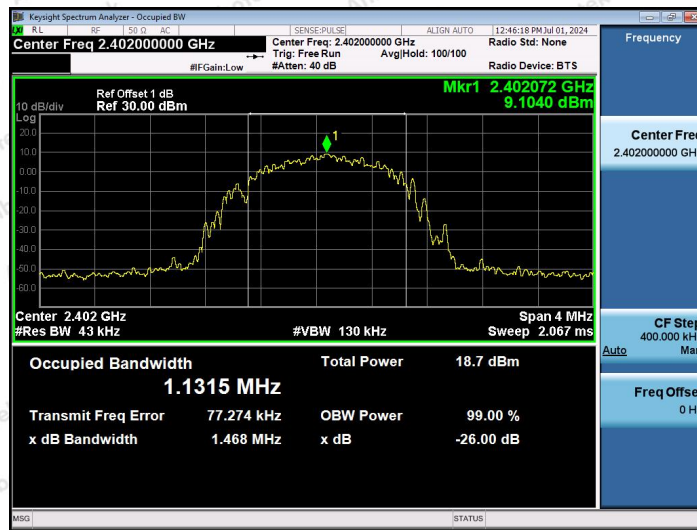


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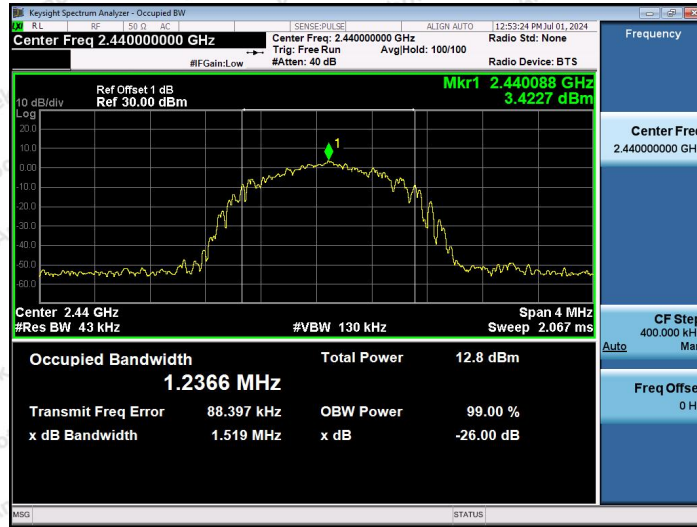




## Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



BLE\_1M-Ant1-2480

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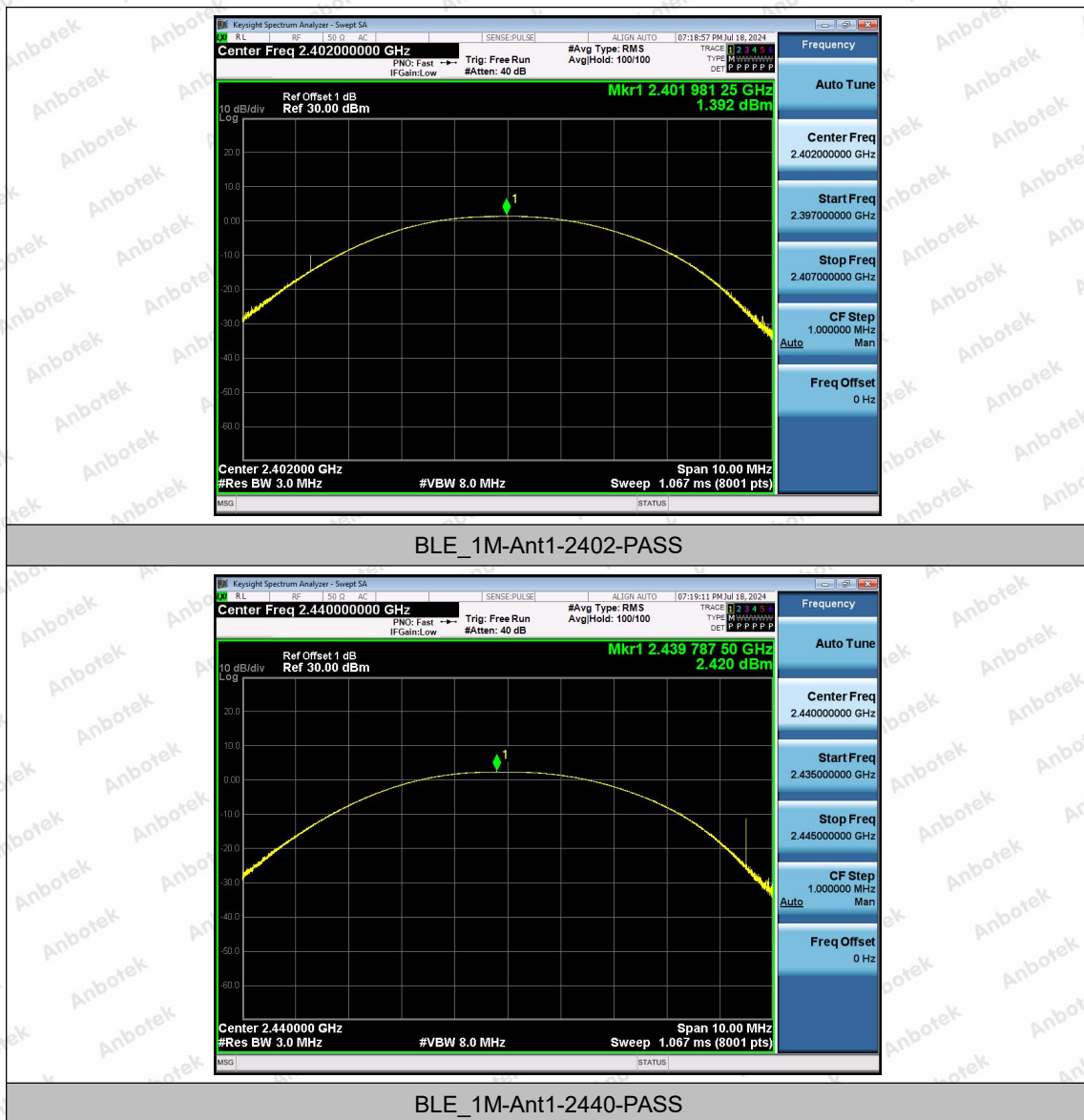


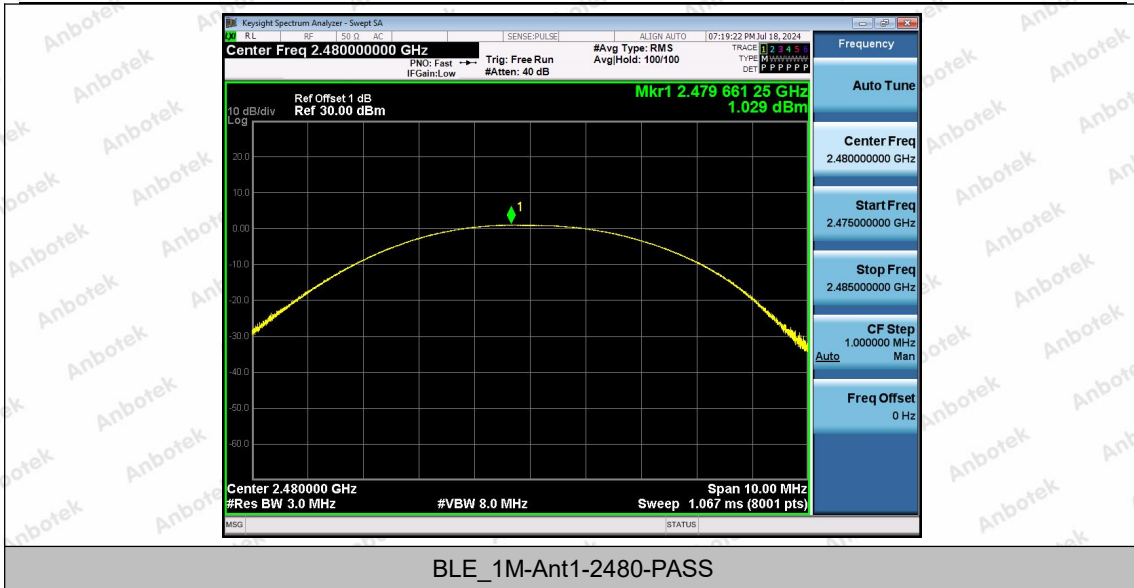
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.39	≤30	PASS
BLE_1M	Ant1	2440	2.42	≤30	PASS
BLE_1M	Ant1	2480	1.03	≤30	PASS

### Test Graphs Peak





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## Appendix D: Maximum power spectral density

### Test Result

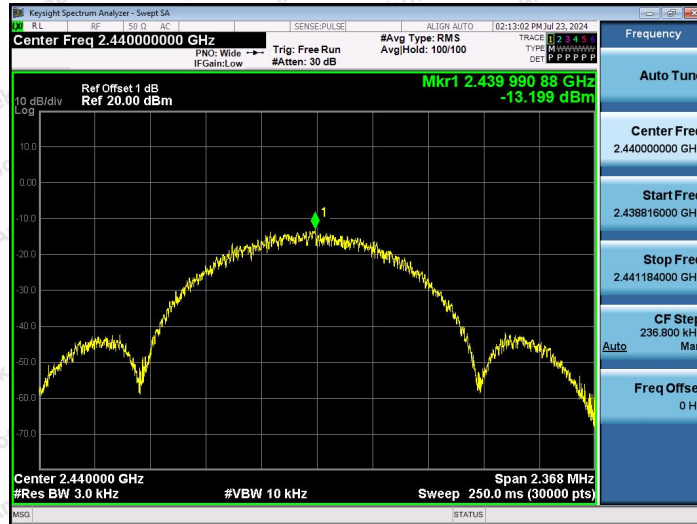
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.32	≤8.00	PASS
BLE_1M	Ant1	2440	-13.20	≤8.00	PASS
BLE_1M	Ant1	2480	-14.56	≤8.00	PASS



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

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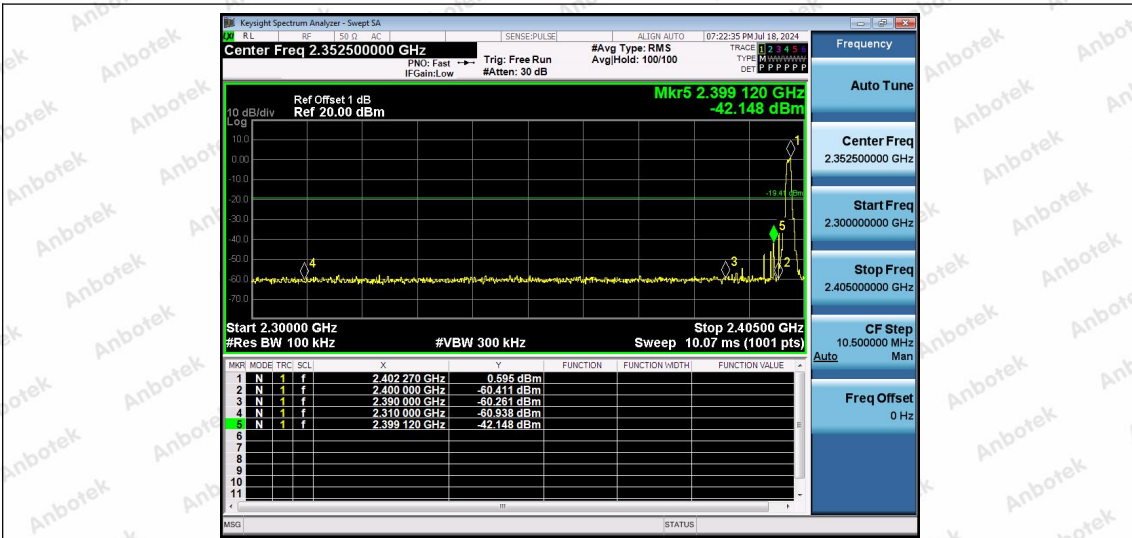
## Appendix E: Band edge measurements

### Test Result

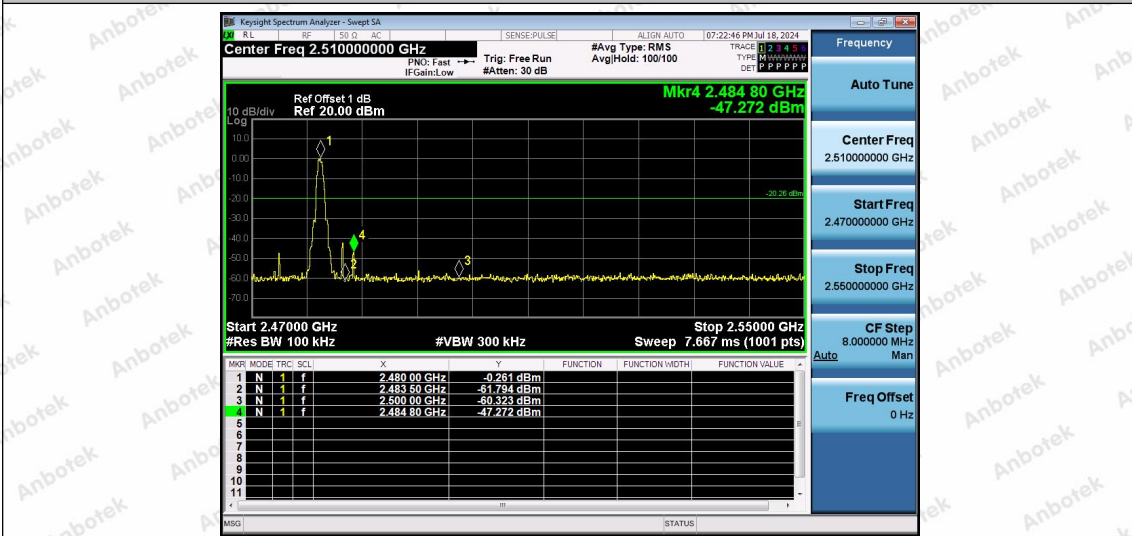
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.60	-42.15	≤-19.41	PASS
BLE_1M	Ant1	High	2480	-0.26	-47.27	≤-20.26	PASS



## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS

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## Appendix F: Conducted Spurious Emission

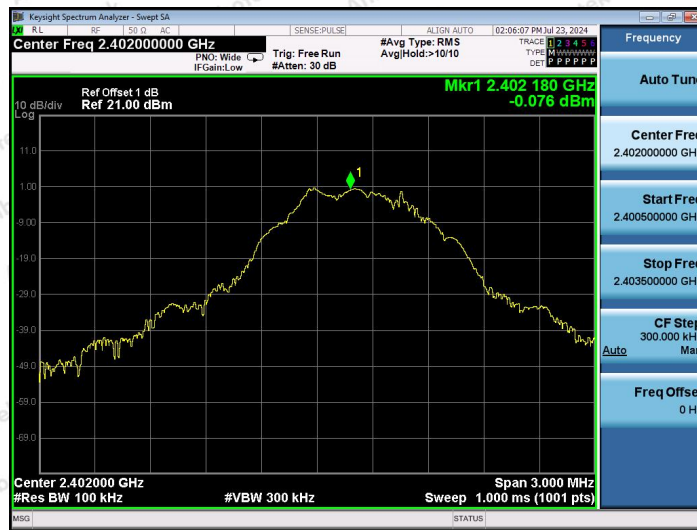
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.08	-0.08	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.08	-67.72	≤-20.08	PASS
BLE_1M	Ant1	2402	1000~26500	-0.08	-35.81	≤-20.08	PASS
BLE_1M	Ant1	2440	0~Reference	0.03	0.03	---	PASS
BLE_1M	Ant1	2440	30~1000	0.03	-68.21	≤-19.97	PASS
BLE_1M	Ant1	2440	1000~26500	0.03	-39.7	≤-19.97	PASS
BLE_1M	Ant1	2480	0~Reference	0.92	0.92	---	PASS
BLE_1M	Ant1	2480	30~1000	0.92	-67.89	≤-19.08	PASS
BLE_1M	Ant1	2480	1000~26500	0.92	-35.2	≤-19.08	PASS

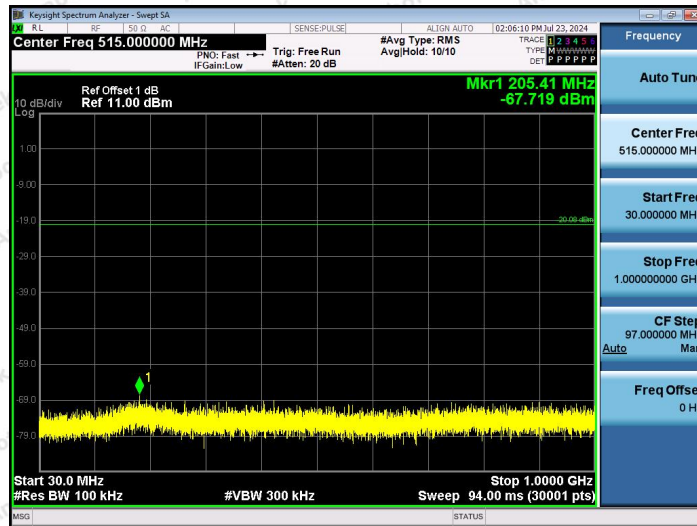




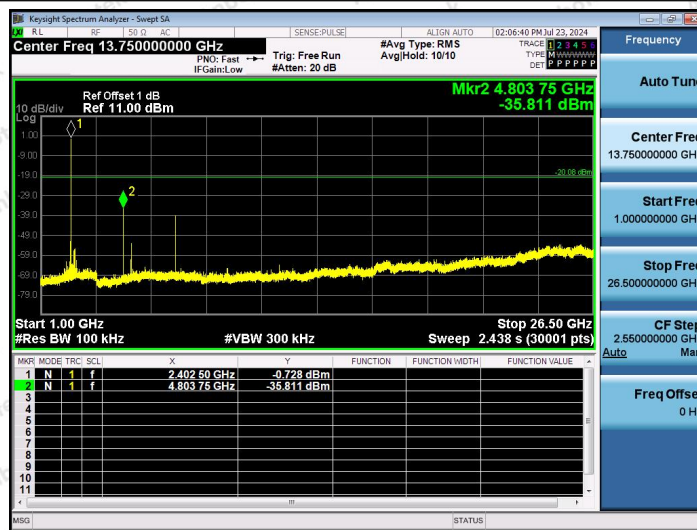
## Test Graphs



BLE\_1M-Ant1-2402-0~Reference-PASS



BLE\_1M-Ant1-2402-30~1000-PASS



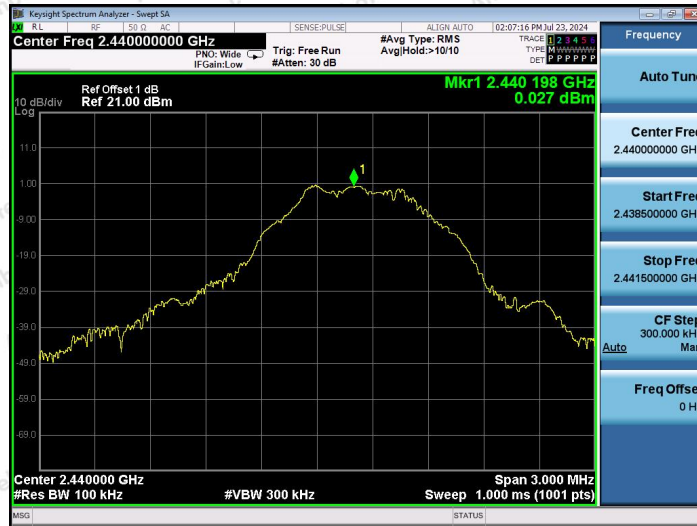
BLE\_1M-Ant1-2402-1000~26500-PASS

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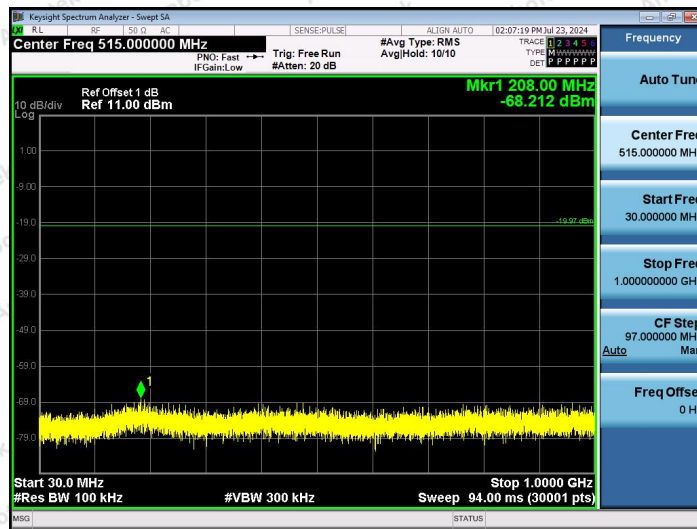
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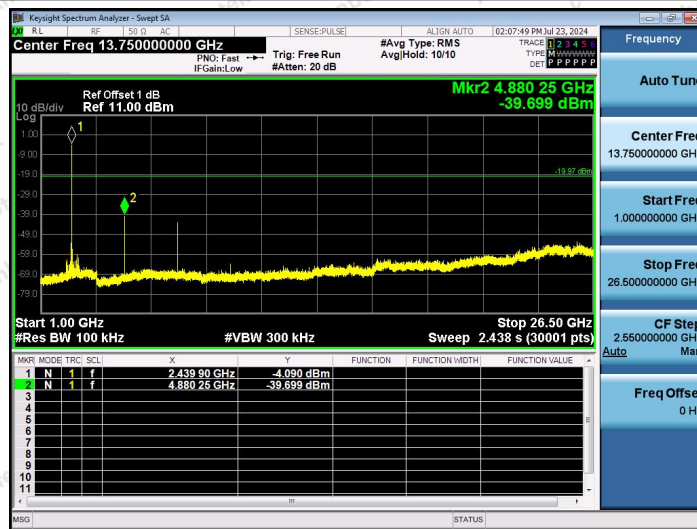




BLE\_1M-Ant1-2440-0~Reference-PASS



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



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

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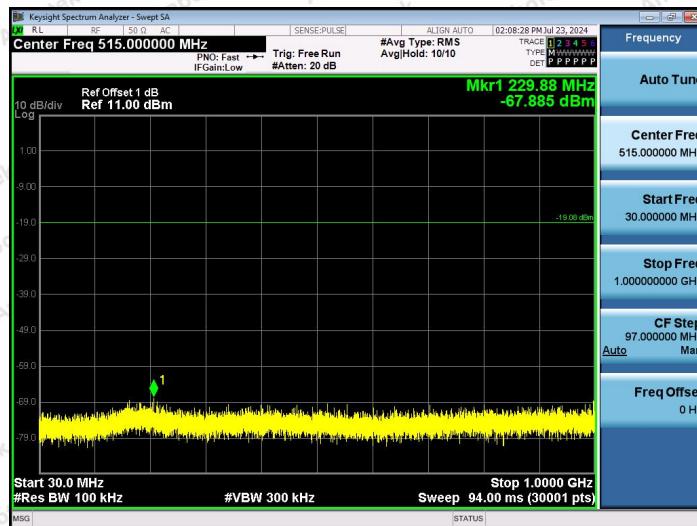
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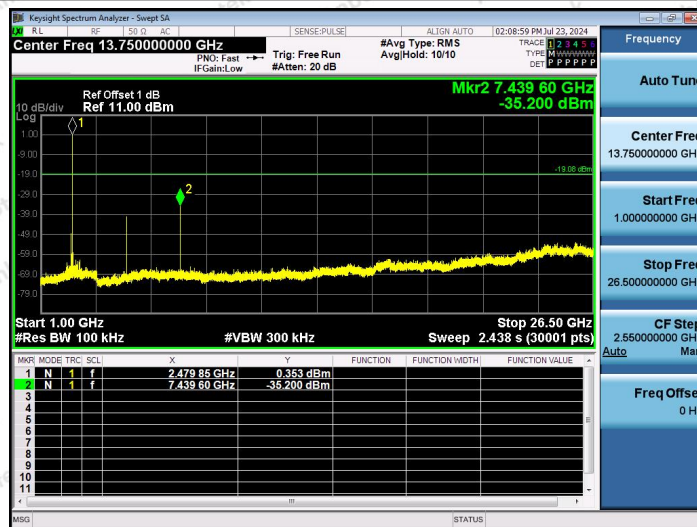




BLE\_1M-Ant1-2480-0~Reference-PASS



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



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

---End---

