

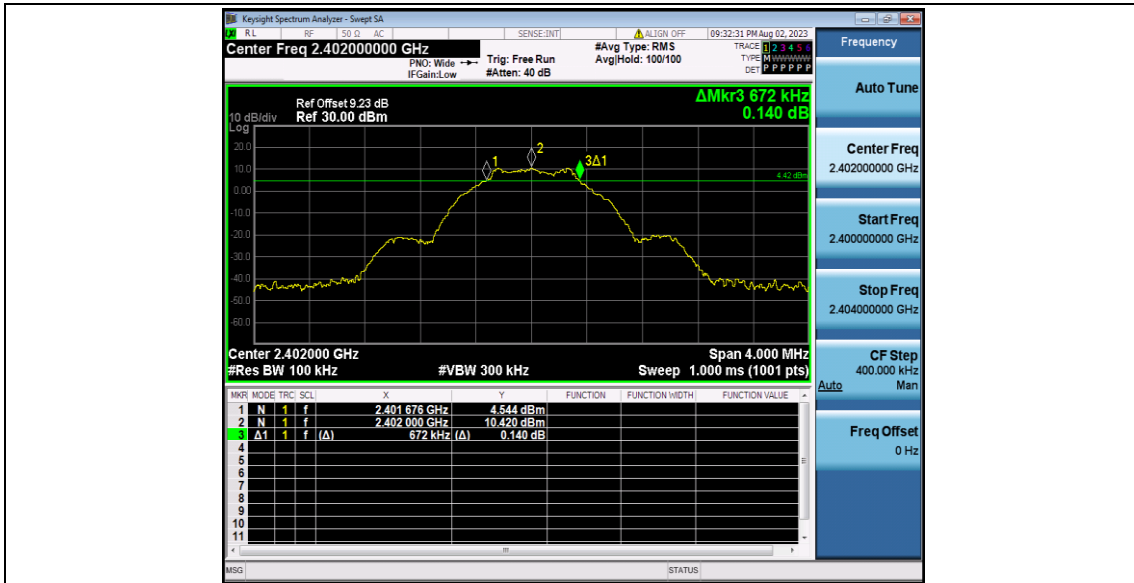
<b>Case No. :</b> <u>GTS20230704026-1-21</u>
<b>Ambient Condition:</b> <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.7.26</u> <b>Test Engineer:</b> <u>Evan Ouyang</u>

## Appendix B.1: DTS Bandwidth

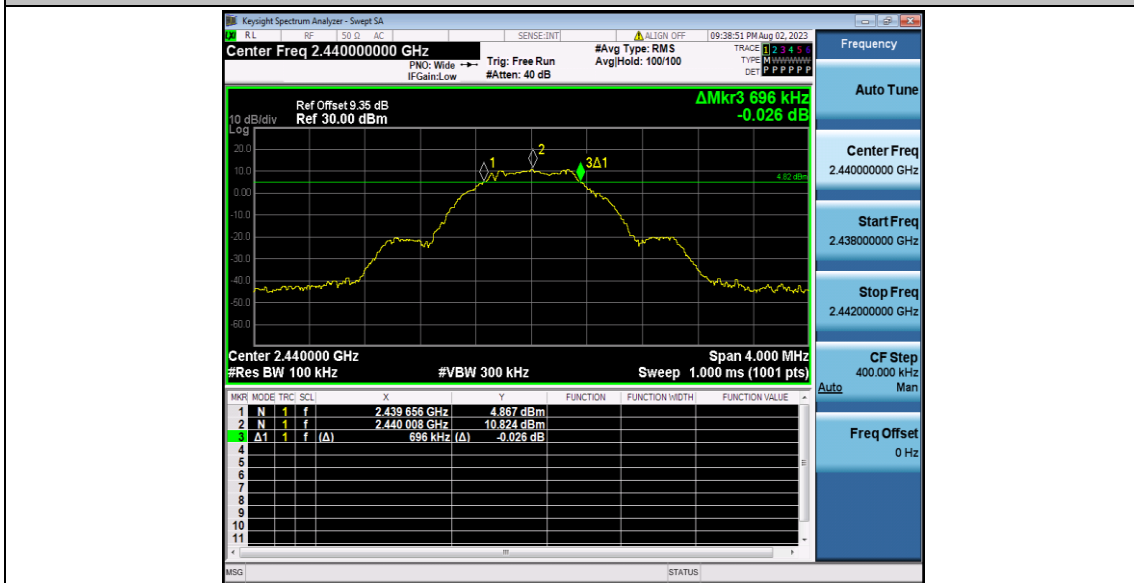
### Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant2	2402	0.672	2401.676	2402.348	0.5	PASS
		2440	0.696	2439.656	2440.352	0.5	PASS
		2480	0.708	2479.644	2480.352	0.5	PASS

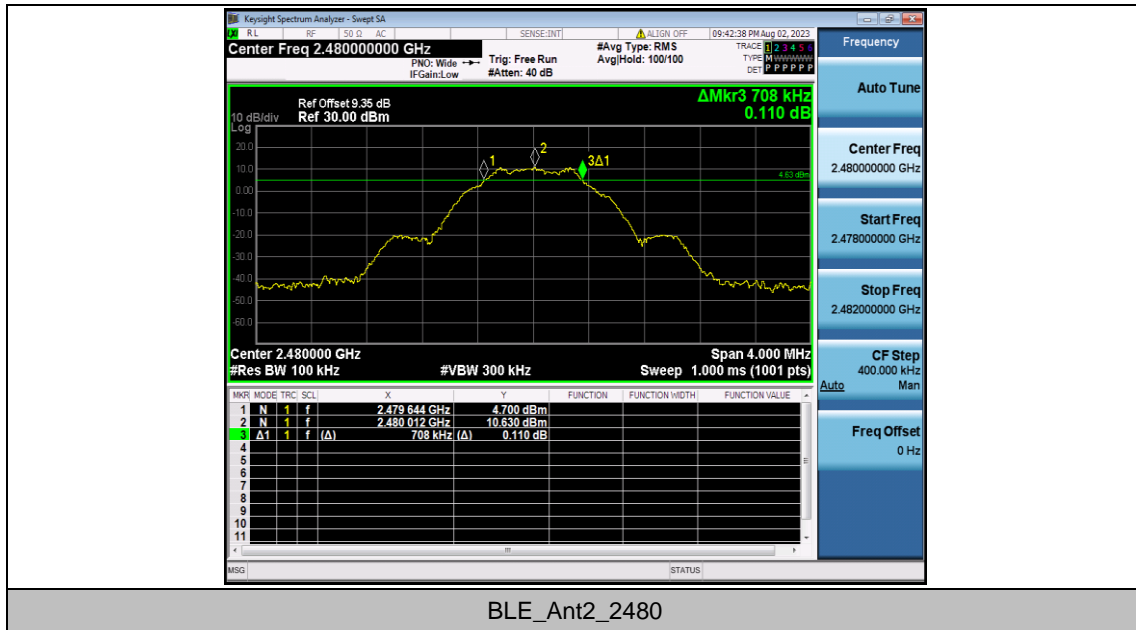
## Test Graphs



BLE\_Ant2\_2402



BLE\_Ant2\_2440



BLE\_Ant2\_2480

## Appendix B.2: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant2	2402	1.0442	2401.497	2402.541	---	---
		2440	1.0385	2439.499	2440.538	---	---
		2480	1.0384	2479.497	2480.536	---	---

## Test Graphs



BLE\_Ant2\_2402



BLE\_Ant2\_2440



BLE\_Ant2\_2480

## Appendix B.3: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant2	2402	11.19	≤30	PASS
		2440	11.64	≤30	PASS
		2480	11.67	≤30	PASS

## Appendix B.4: Maximum power spectral density

### Test Result

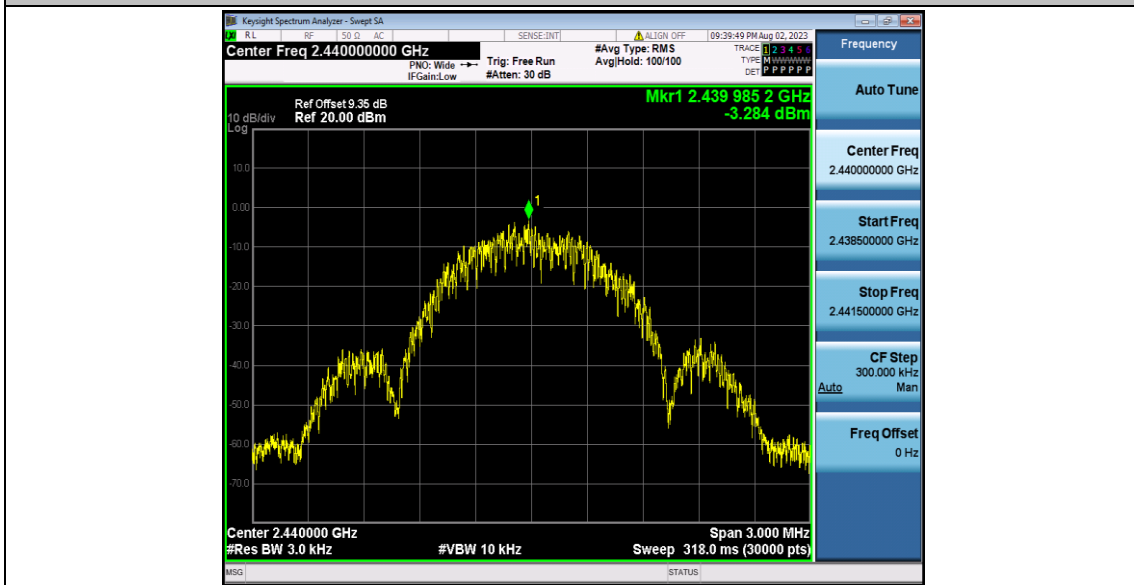
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant2	2402	-3.72	≤8.00	PASS
		2440	-3.28	≤8.00	PASS
		2480	-3.23	≤8.00	PASS



## Test Graphs



BLE\_Ant2\_2402



BLE\_Ant2\_2440



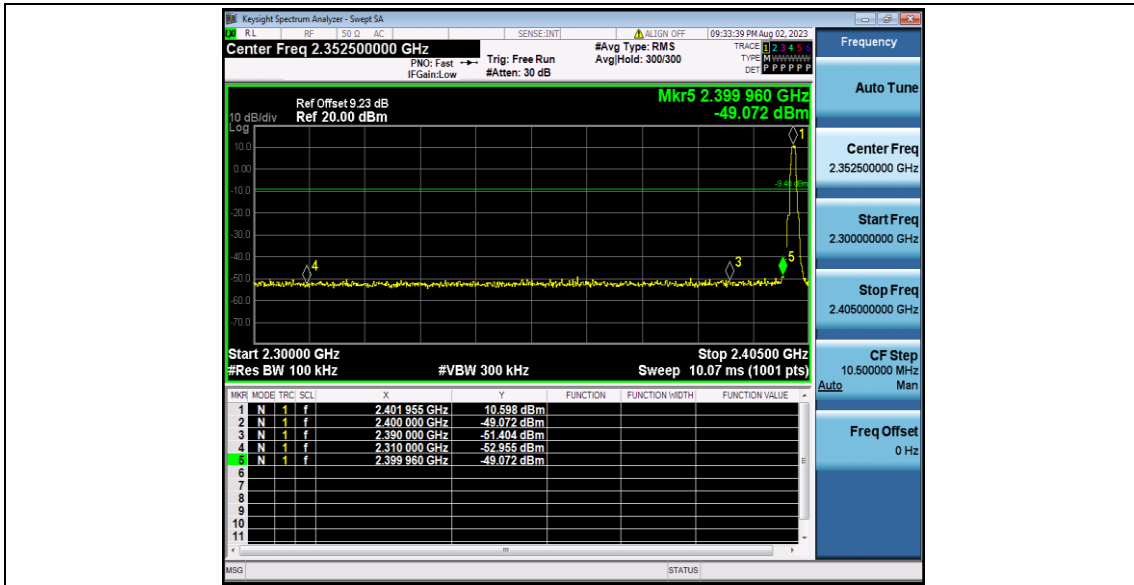
BLE\_Ant2\_2480

## Appendix B.5: Band edge measurements

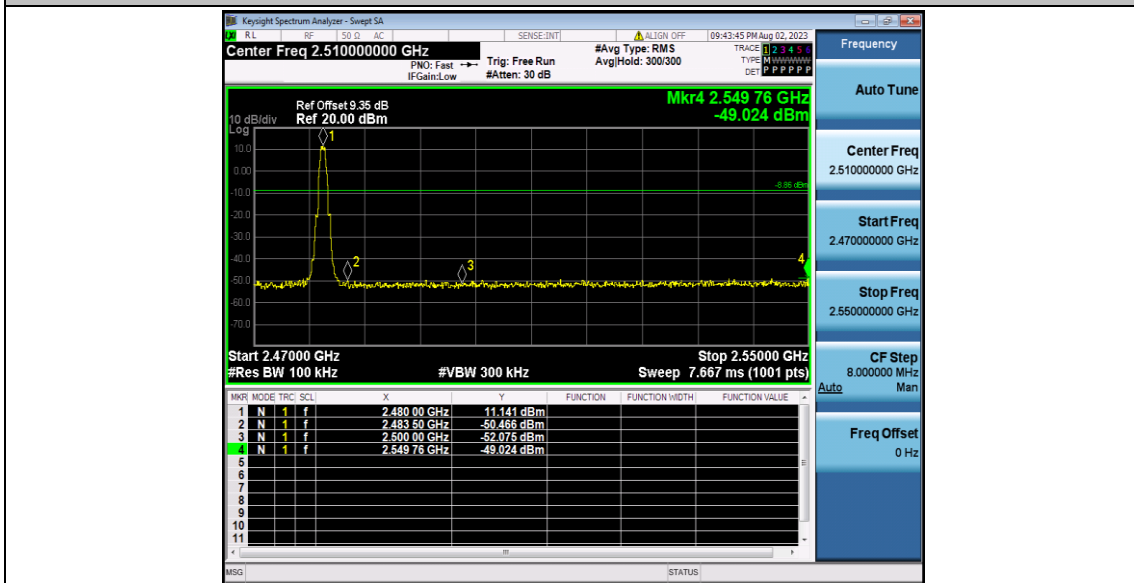
### Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant2	Low	2402	10.60	-49.07	$\leq -9.4$	PASS
		High	2480	11.14	-49.02	$\leq -8.86$	PASS

## Test Graphs



BLE\_Ant2\_Low\_2402



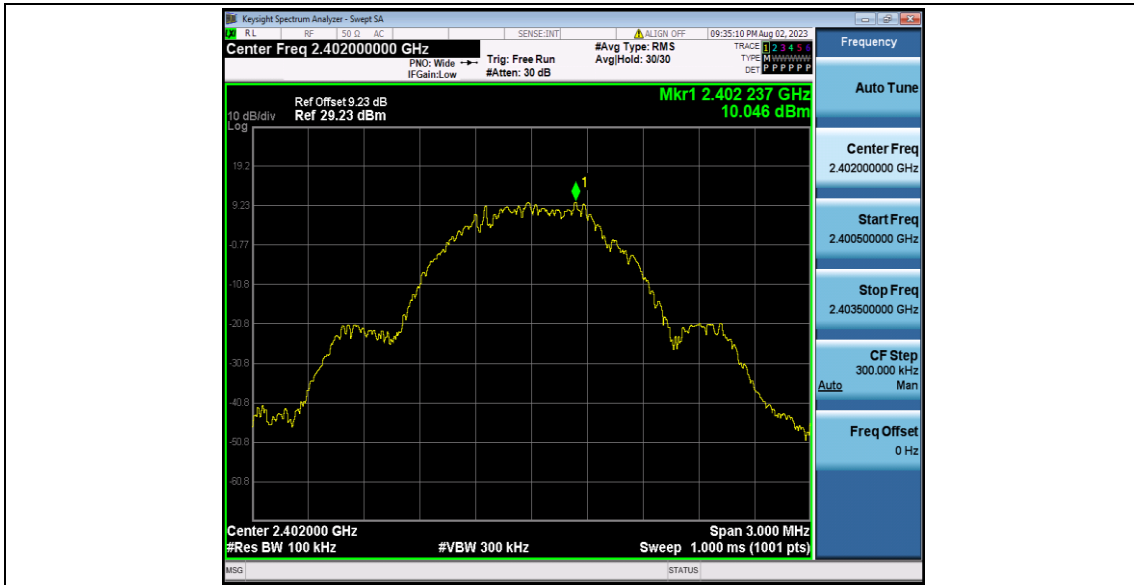
BLE\_Ant2\_High\_2480

## Appendix B.6: Conducted Spurious Emission

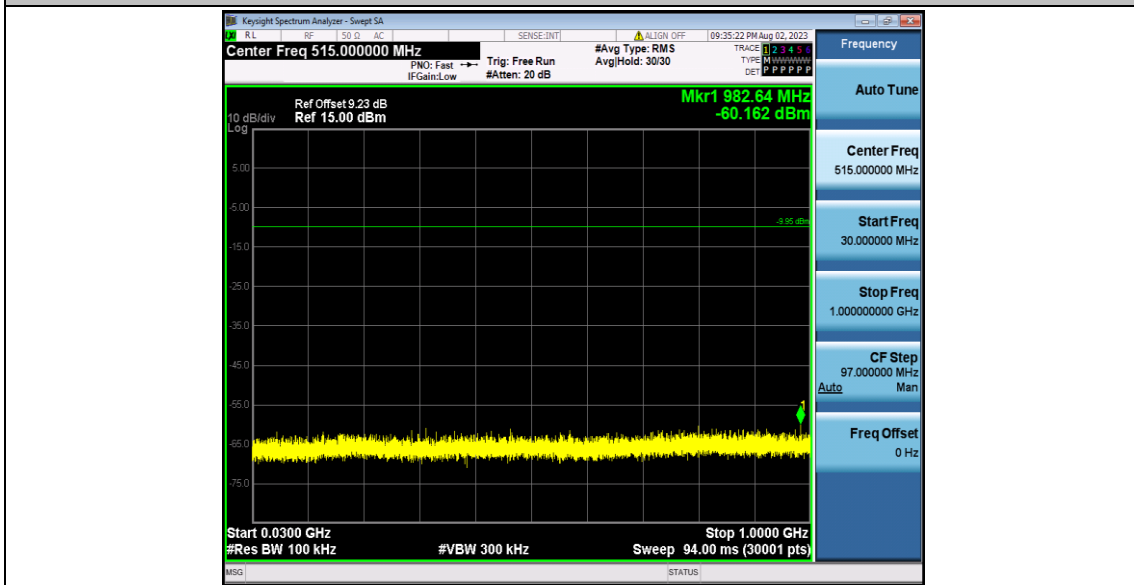
### Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant2	2402	Reference	10.05	10.05	---	PASS
			30~1000	10.05	-60.16	$\leq -9.95$	PASS
			1000~26500	10.05	-47.4	$\leq -9.95$	PASS
		2440	Reference	10.76	10.76	---	PASS
			30~1000	10.76	-60.73	$\leq -9.24$	PASS
			1000~26500	10.76	-47.72	$\leq -9.24$	PASS
		2480	Reference	10.71	10.71	---	PASS
			30~1000	10.71	-59.68	$\leq -9.29$	PASS
			1000~26500	10.71	-47.56	$\leq -9.29$	PASS

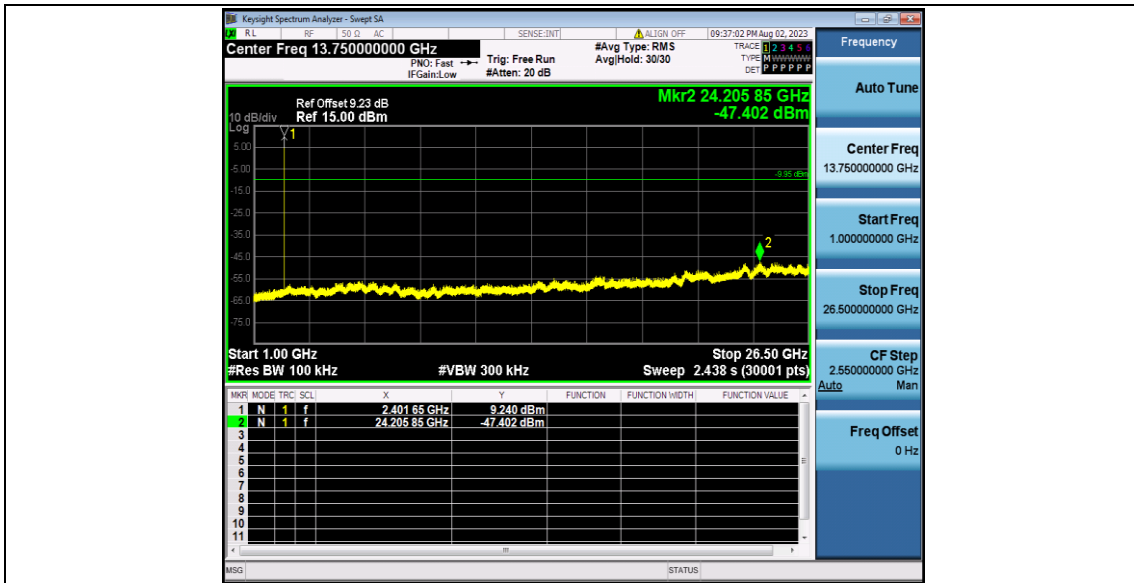
## Test Graphs



BLE\_Ant2\_2402\_0~Reference



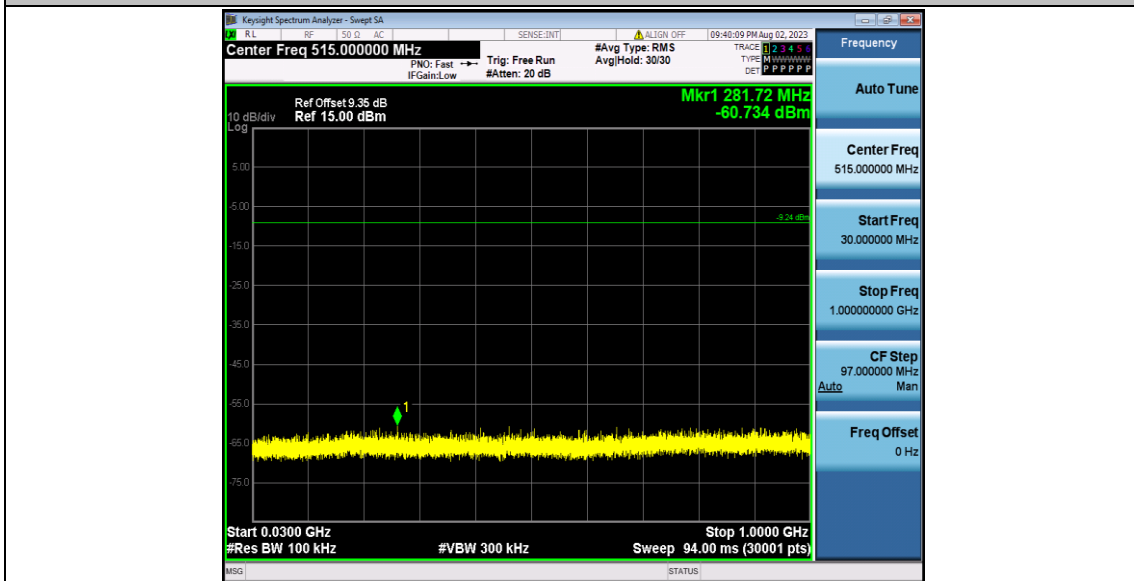
BLE\_Ant2\_2402\_30~1000



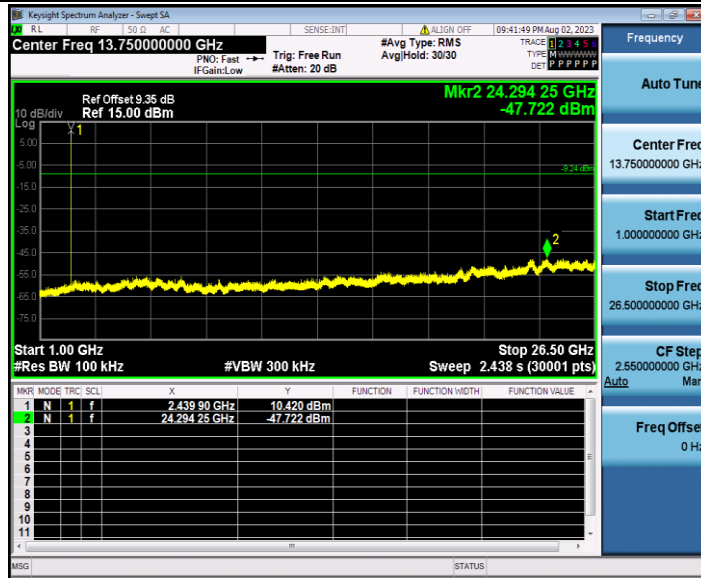
BLE\_Ant2\_2402\_1000~26500



BLE\_Ant2\_2440\_0~Reference



BLE\_Ant2\_2440\_30~1000

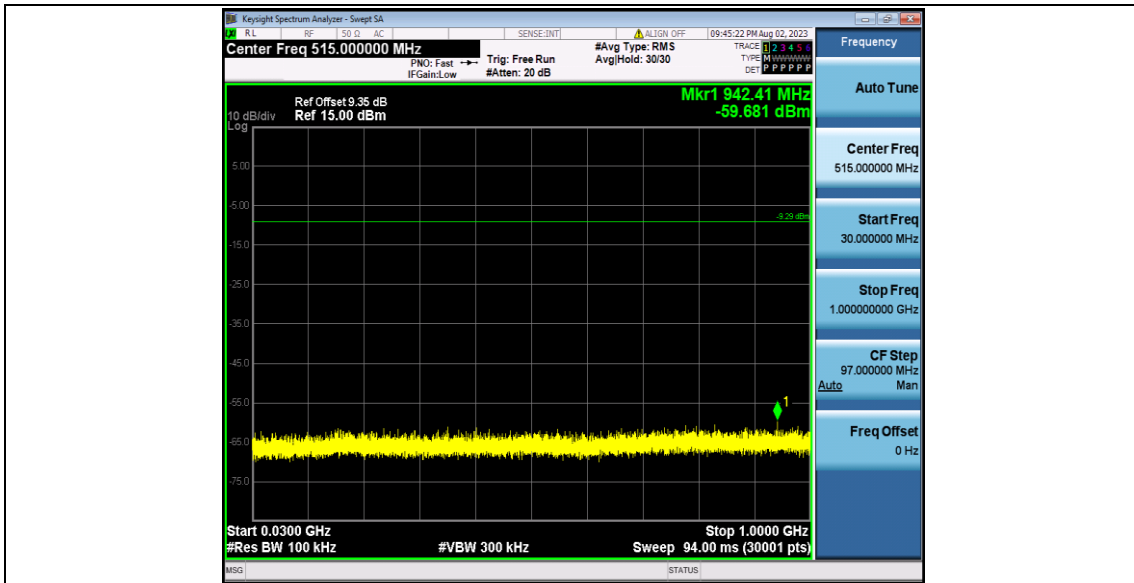


BLE\_Ant2\_2440\_1000~26500

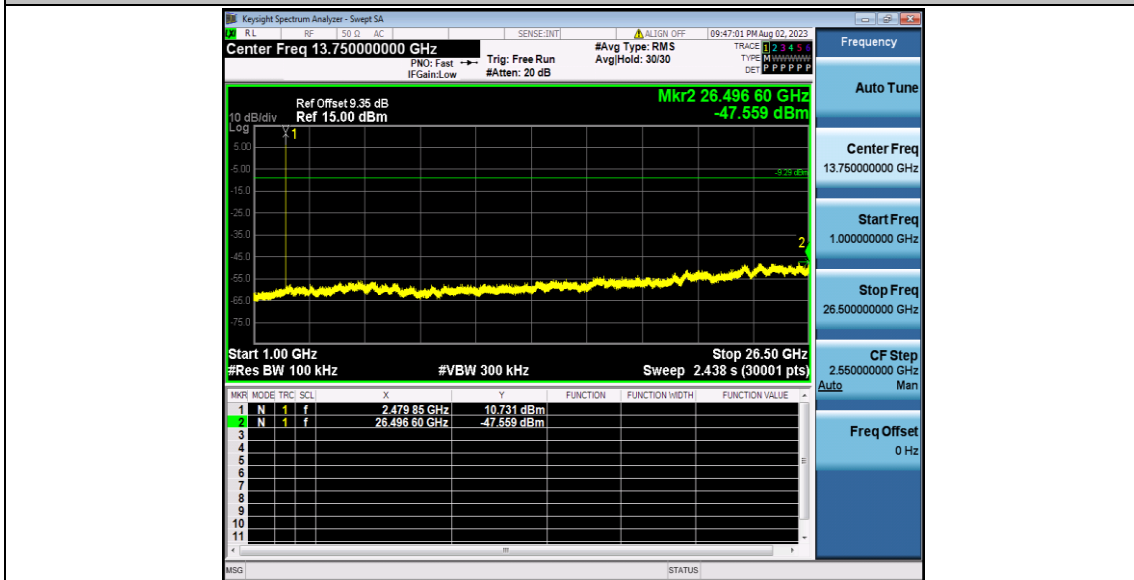


BLE\_Ant2\_2480\_0~Reference





BLE\_Ant2\_2480\_30~1000



BLE\_Ant2\_2480\_1000~26500