

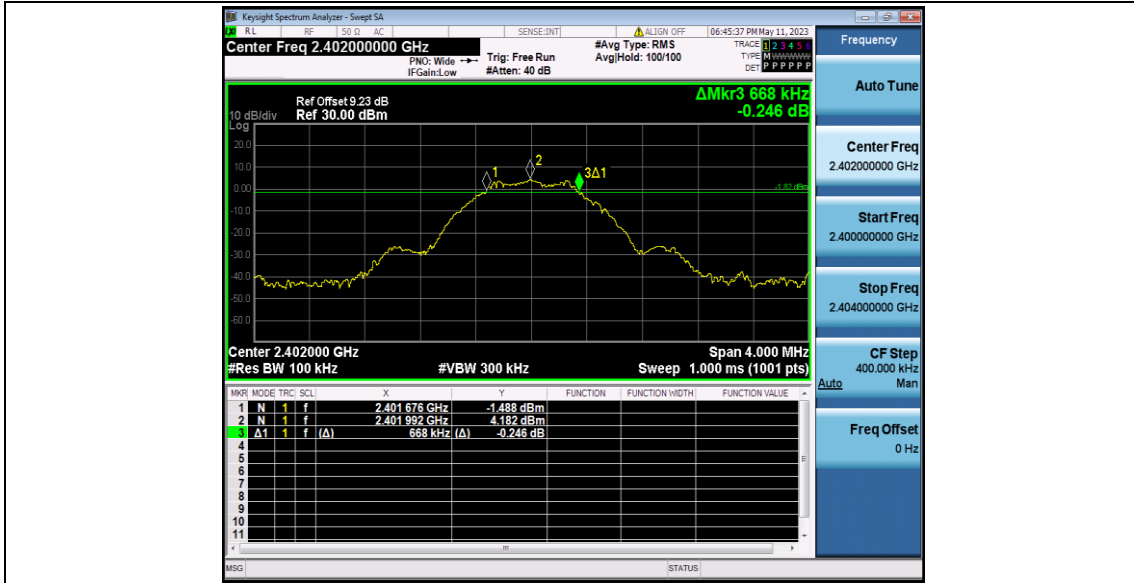
<b>Case No. :</b> <u>GTS20230411005-1-13</u>
<b>Ambient Condition:</b> <u>24</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.5.9</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix B.1: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.668	2401.676	2402.344	0.5	PASS
		2440	0.656	2439.680	2440.336	0.5	PASS
		2480	0.684	2479.652	2480.336	0.5	PASS

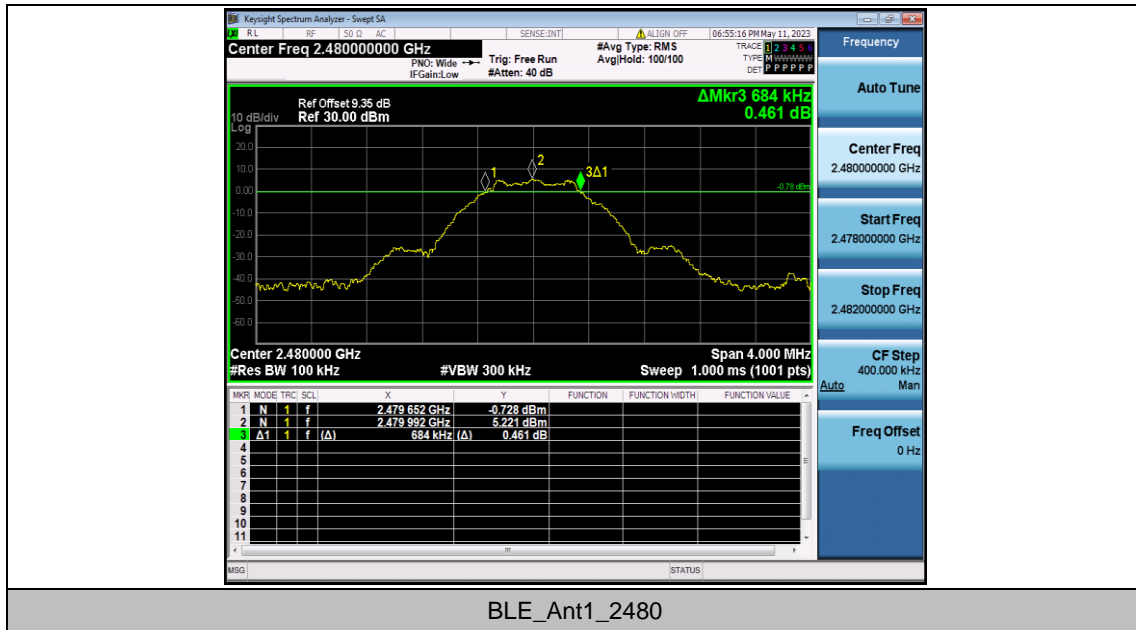
## Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480

## Appendix B.2: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0434	2401.493	2402.536	---	---
		2440	1.0438	2439.495	2440.539	---	---
		2480	1.0390	2479.492	2480.531	---	---

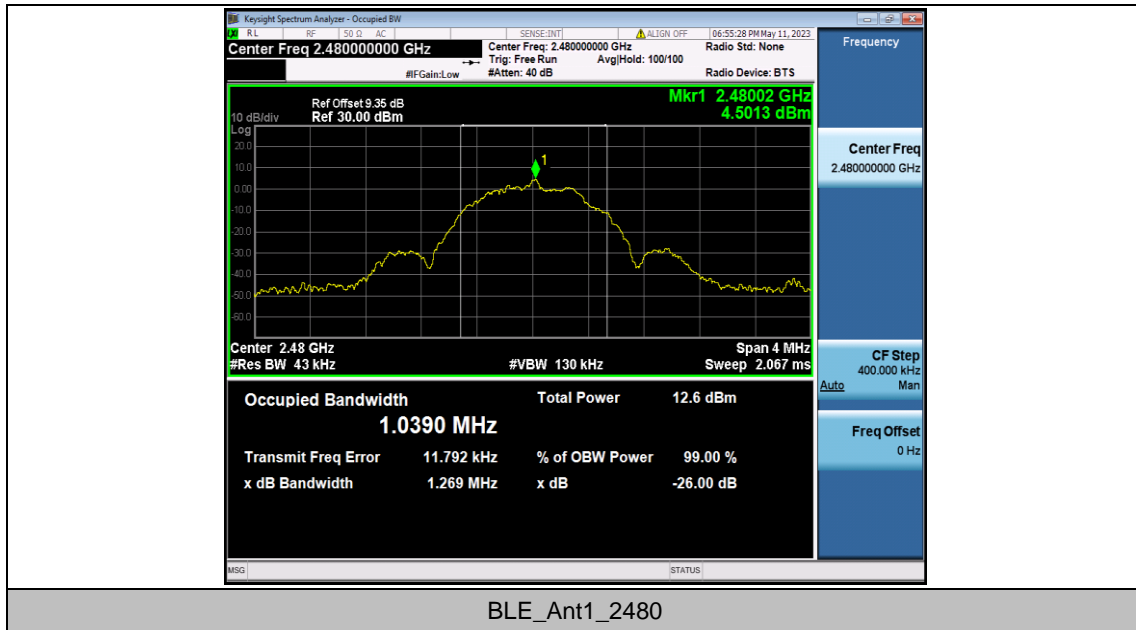
## Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



## Appendix B.3: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.67	≤30	PASS
		2440	5.92	≤30	PASS
		2480	5.72	≤30	PASS

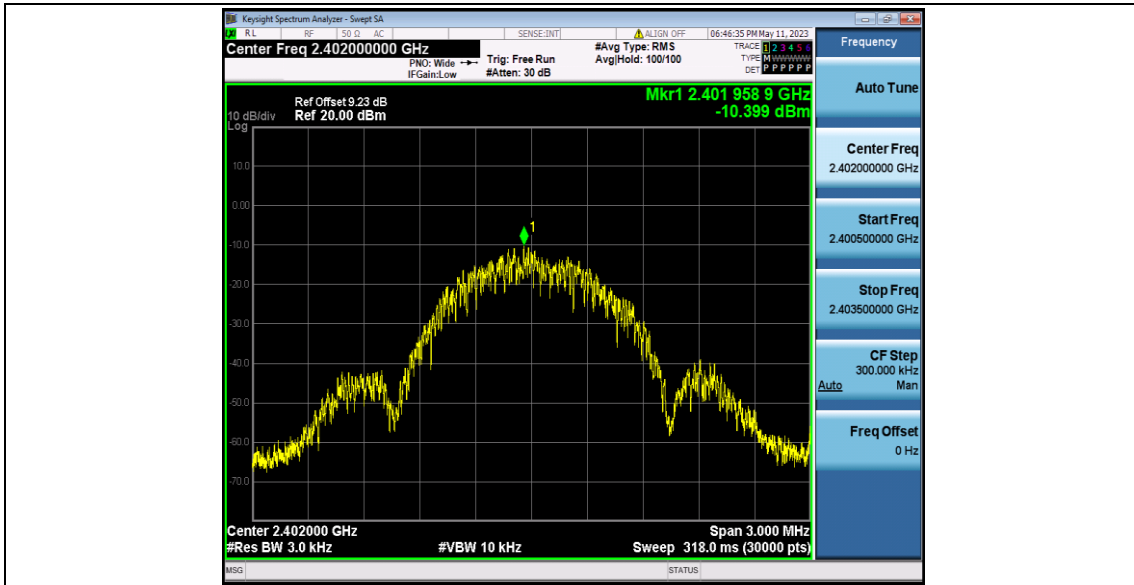
## Appendix B.4: Maximum power spectral density

### Test Result

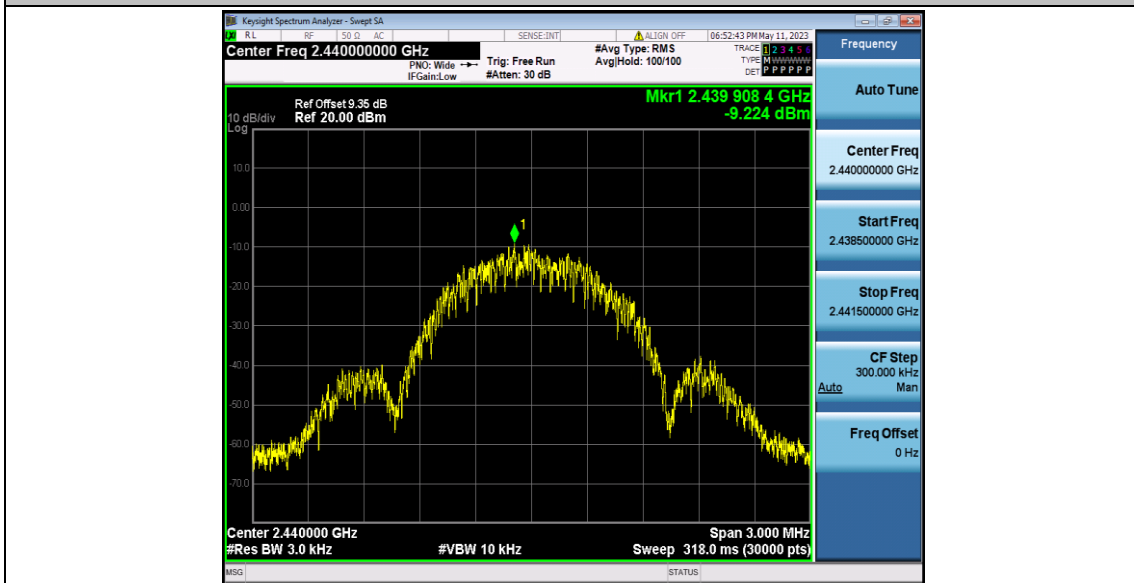
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.4	≤8.00	PASS
		2440	-9.22	≤8.00	PASS
		2480	-9.87	≤8.00	PASS



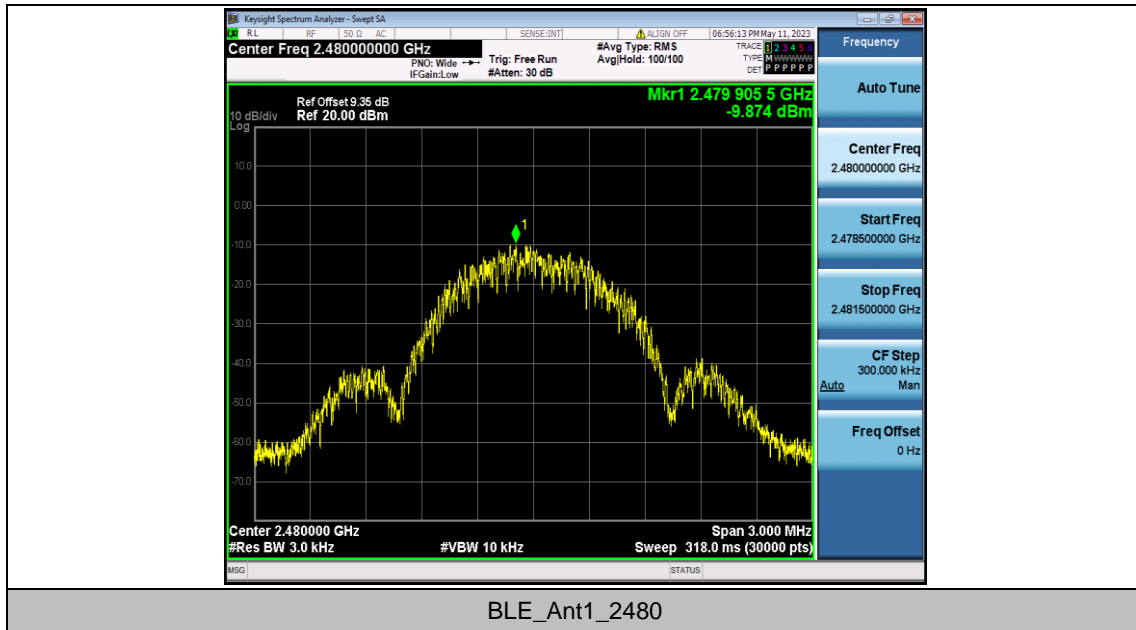
## Test Graphs



BLE\_Ant1\_2402



BLE\_Ant1\_2440



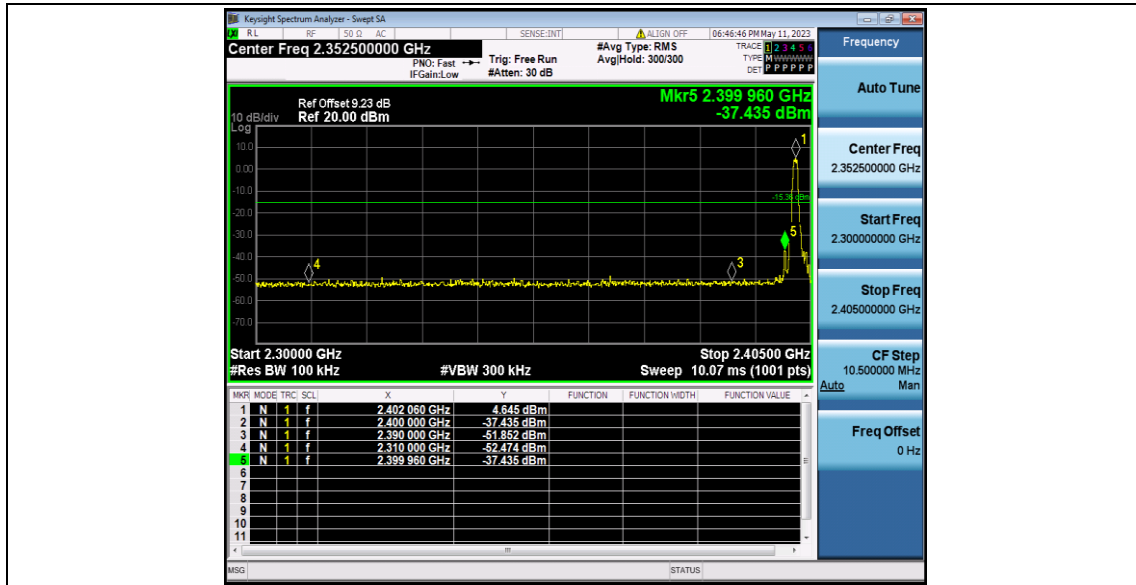
BLE\_Ant1\_2480

## Appendix B.5: Band edge measurements

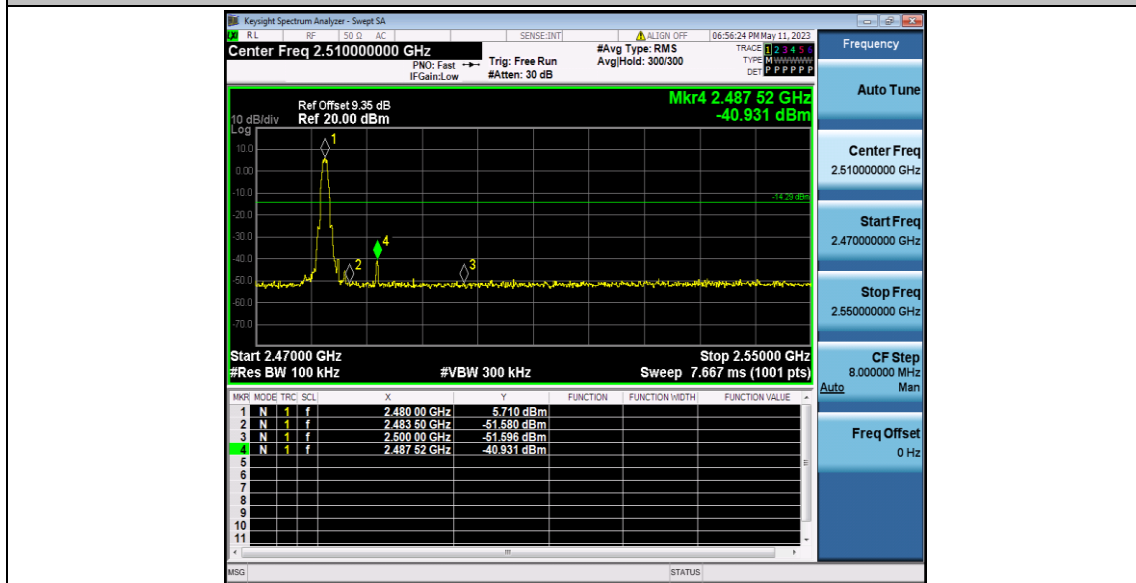
### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.65	-37.44	≤-15.36	PASS
		High	2480	5.71	-40.93	≤-14.29	PASS

## Test Graphs



BLE\_Ant1\_Low\_2402



BLE\_Ant1\_High\_2480

## Appendix B.6: Conducted Spurious Emission

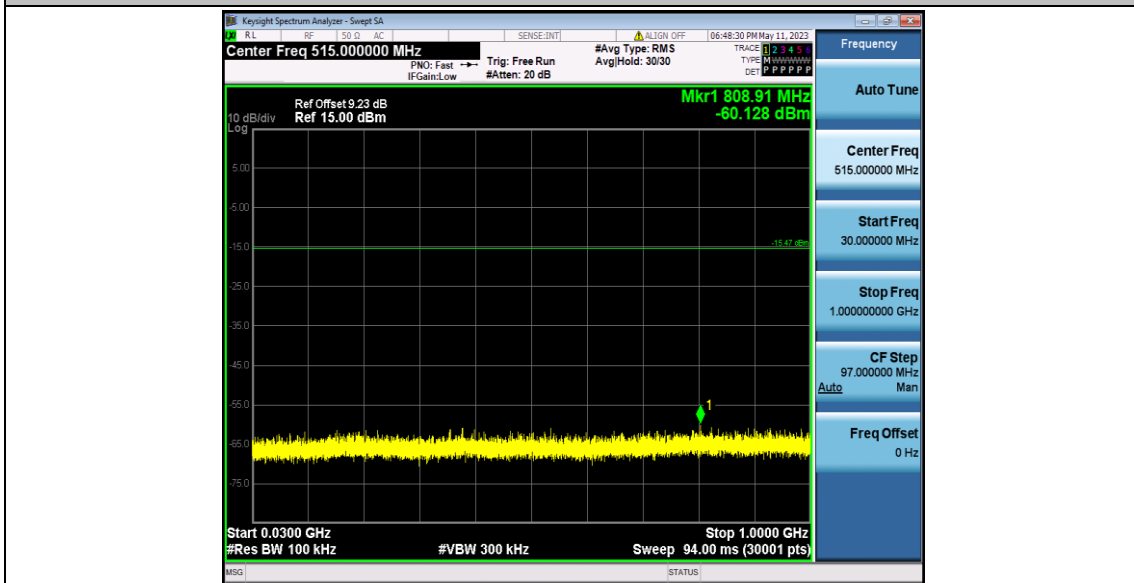
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-60.13	$\leq -15.47$	PASS
			1000~26500	4.53	-47.99	$\leq -15.47$	PASS
		2440	Reference	4.89	4.89	---	PASS
			30~1000	4.89	-59.68	$\leq -15.11$	PASS
			1000~26500	4.89	-47.15	$\leq -15.11$	PASS
		2480	Reference	5.59	5.59	---	PASS
			30~1000	5.59	-59.49	$\leq -14.41$	PASS
			1000~26500	5.59	-47.37	$\leq -14.41$	PASS

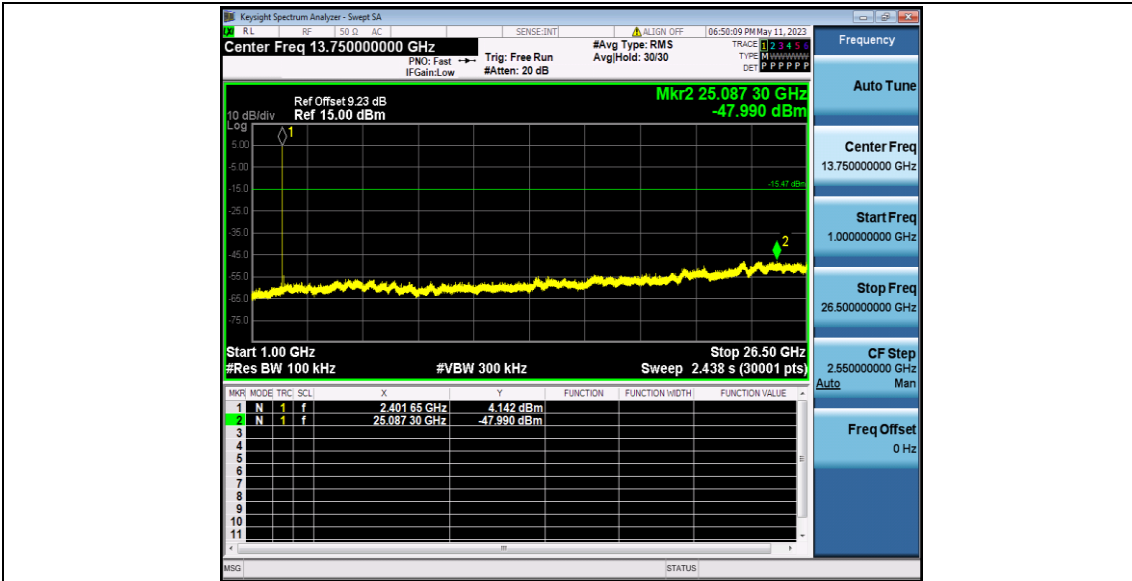
## Test Graphs



BLE\_Ant1\_2402\_0~Reference



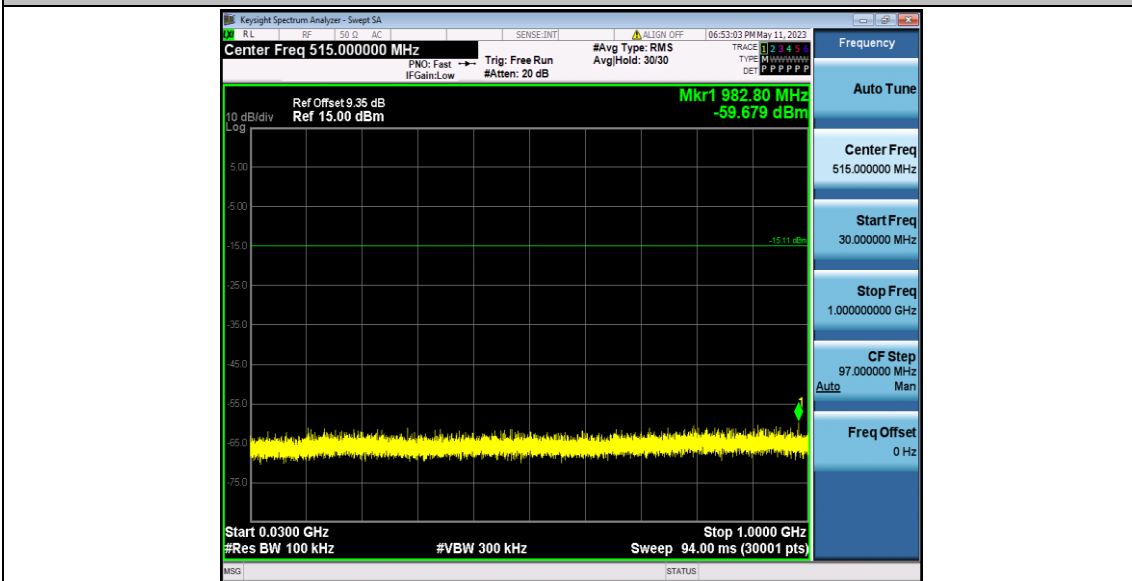
BLE\_Ant1\_2402\_30~1000



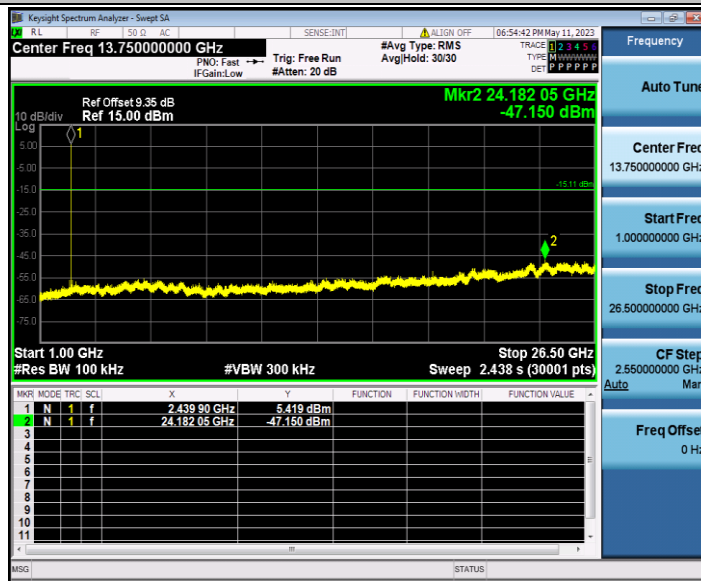
BLE\_Ant1\_2402\_1000~26500



BLE\_Ant1\_2440\_0~Reference



BLE\_Ant1\_2440\_30~1000

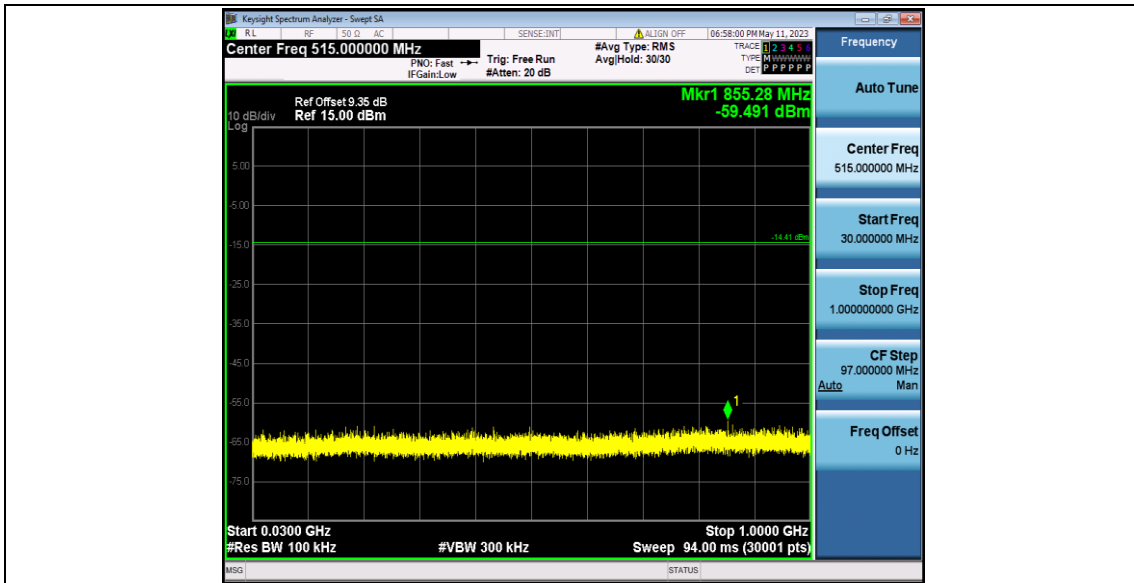


BLE\_Ant1\_2440\_1000~26500

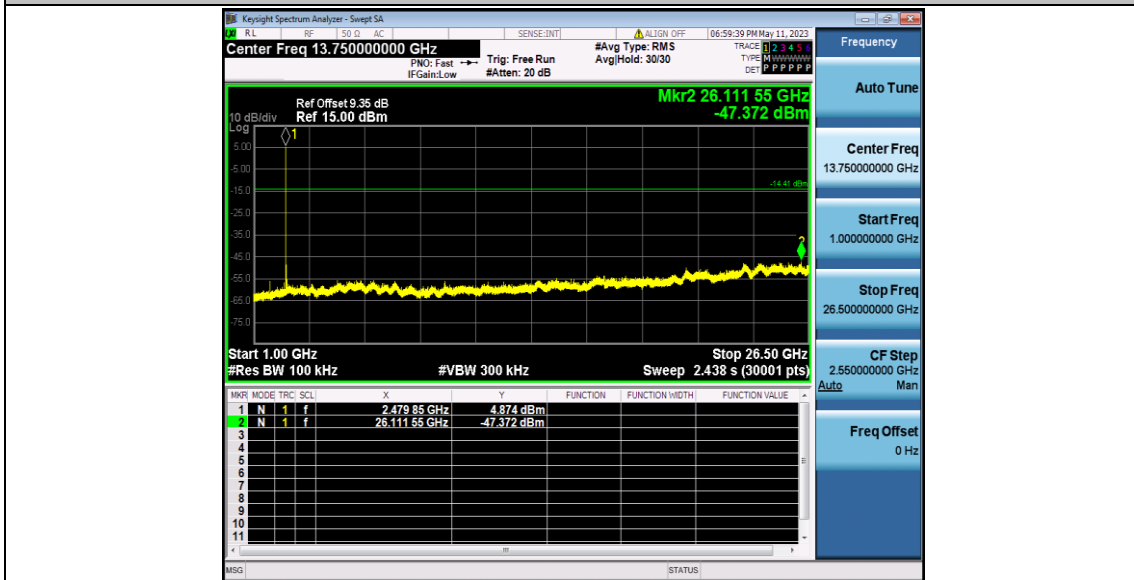


BLE\_Ant1\_2480\_0~Reference





BLE\_Ant1\_2480\_30~1000



BLE\_Ant1\_2480\_1000~26500