

<b>Case No. :</b> <u>CTA24081600602</u>
<b>Ambient Condition:</b> <u>22 °C, 52 %RH</u>
<b>According Standard:</b> <u>■PART 15C</u>
<b>Test Date:</b> <u>2024.8.13</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

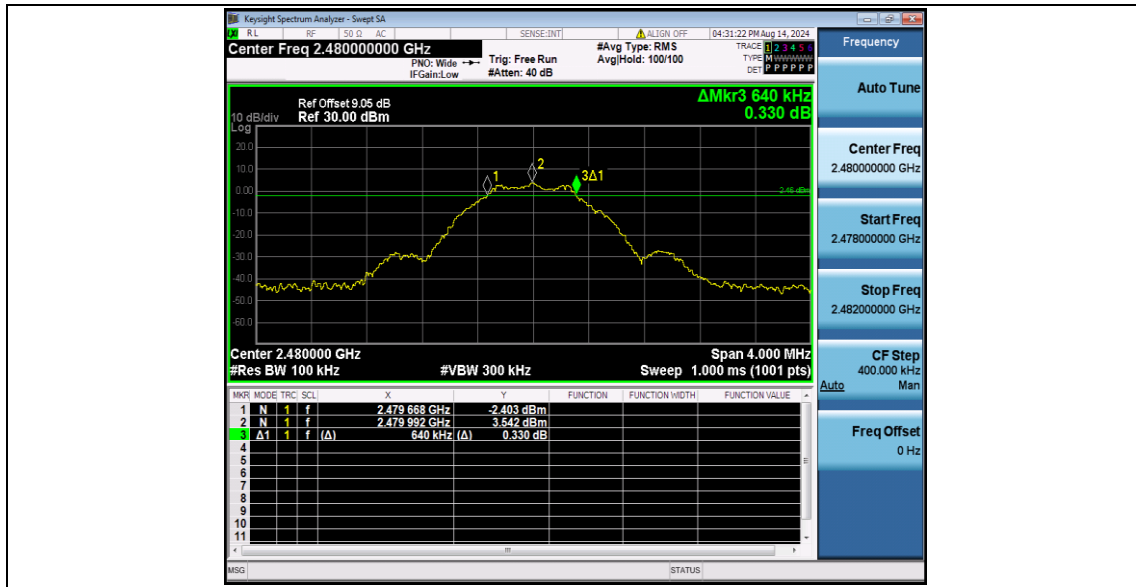
## Appendix B.1: DTS Bandwidth

### Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.624	2401.684	2402.308	0.5	PASS
		2440	0.640	2439.668	2440.308	0.5	PASS
		2480	0.640	2479.668	2480.308	0.5	PASS

## Test Graphs



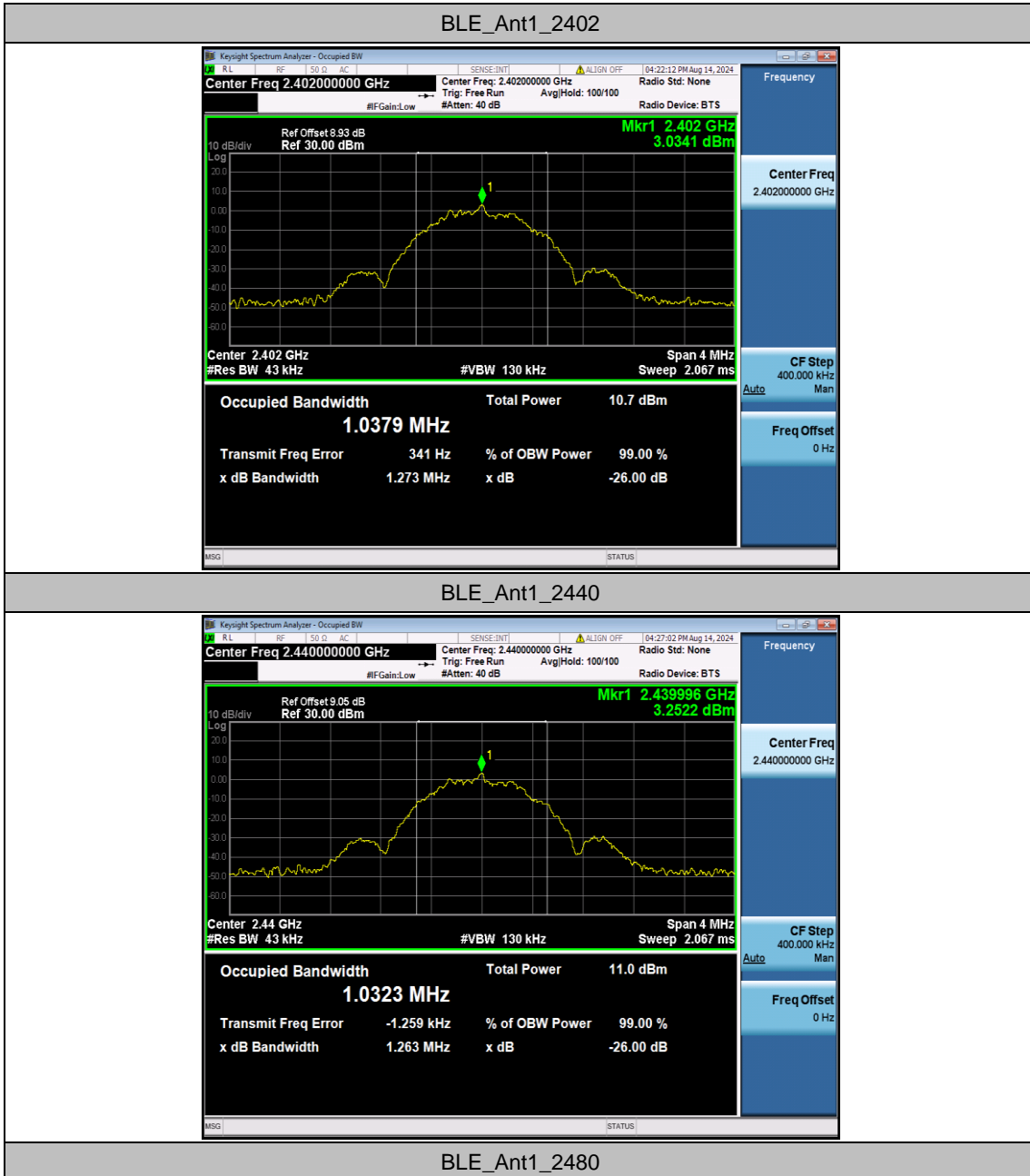


## Appendix B.2: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0379	2401.4814	2402.5193	---	---
		2440	1.0323	2439.4826	2440.5149	---	---
		2480	1.0300	2479.4869	2480.5169	---	---

## Test Graphs





## Appendix B.3: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	3.95	≤30	PASS
		2440	4.22	≤30	PASS
		2480	3.71	≤30	PASS

## Appendix B.4: Maximum power spectral density

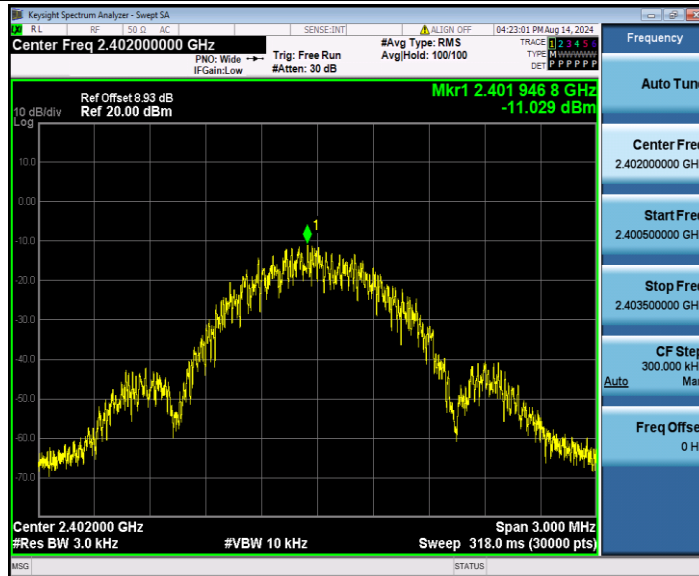
### Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.03	≤8.00	PASS
		2440	-10.58	≤8.00	PASS
		2480	-11.30	≤8.00	PASS

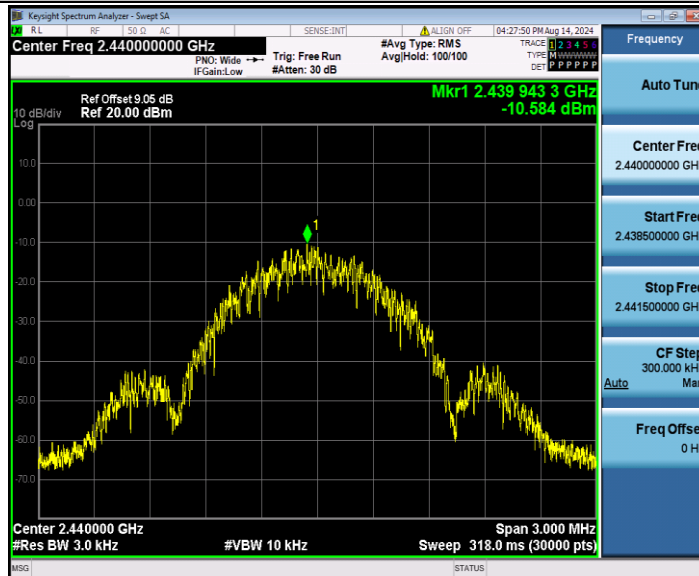


## Test Graphs

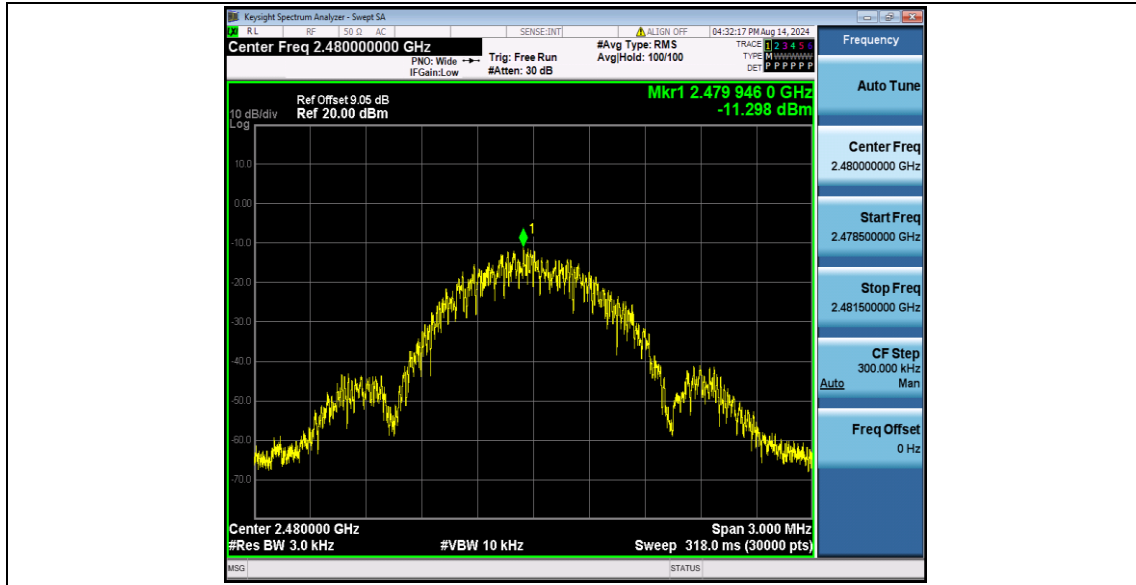
BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480



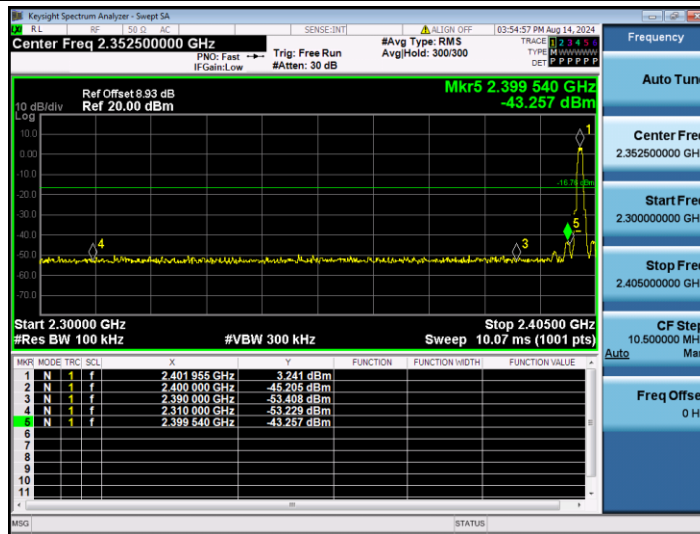
## Appendix B.5: Band edge measurements

### Test Result

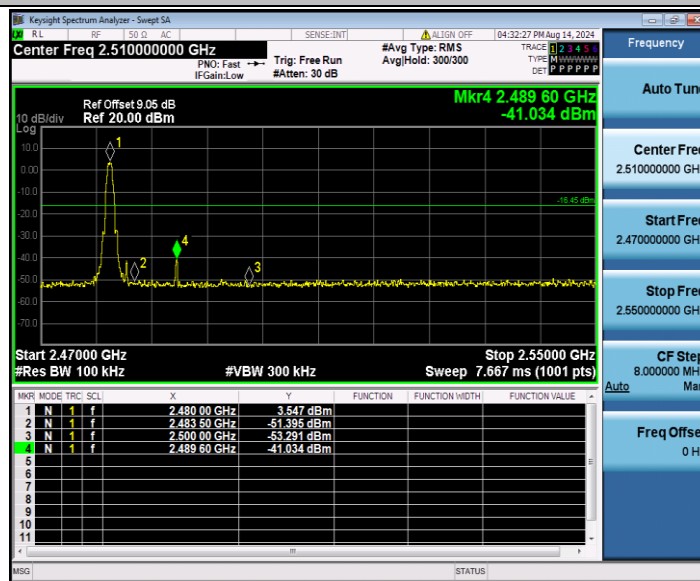
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	3.24	-43.26	≤-16.76	PASS
		High	2480	3.55	-41.03	≤-16.45	PASS

## Test Graphs

BLE\_Ant1\_Low\_2402



BLE\_Ant1\_High\_2480

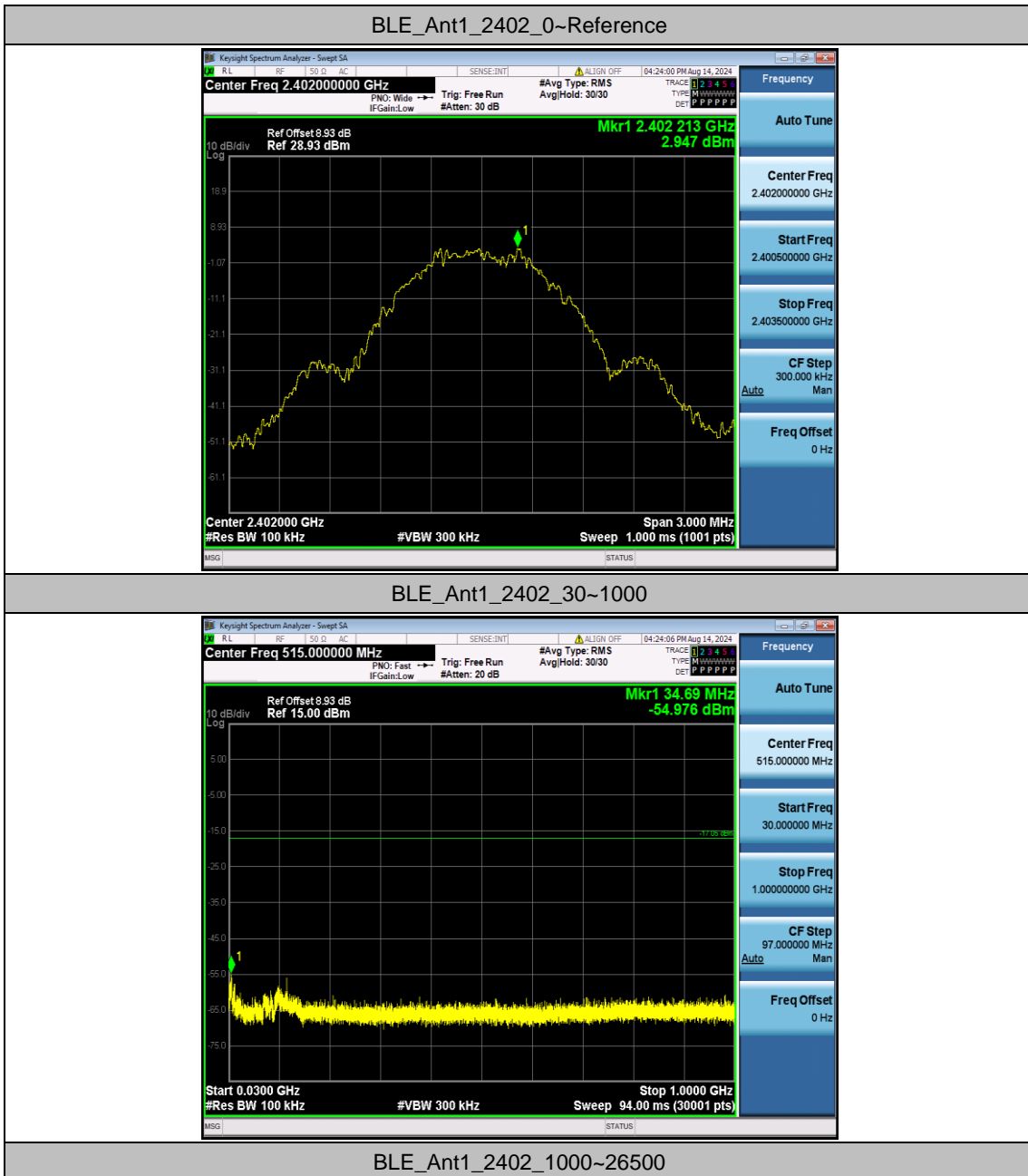


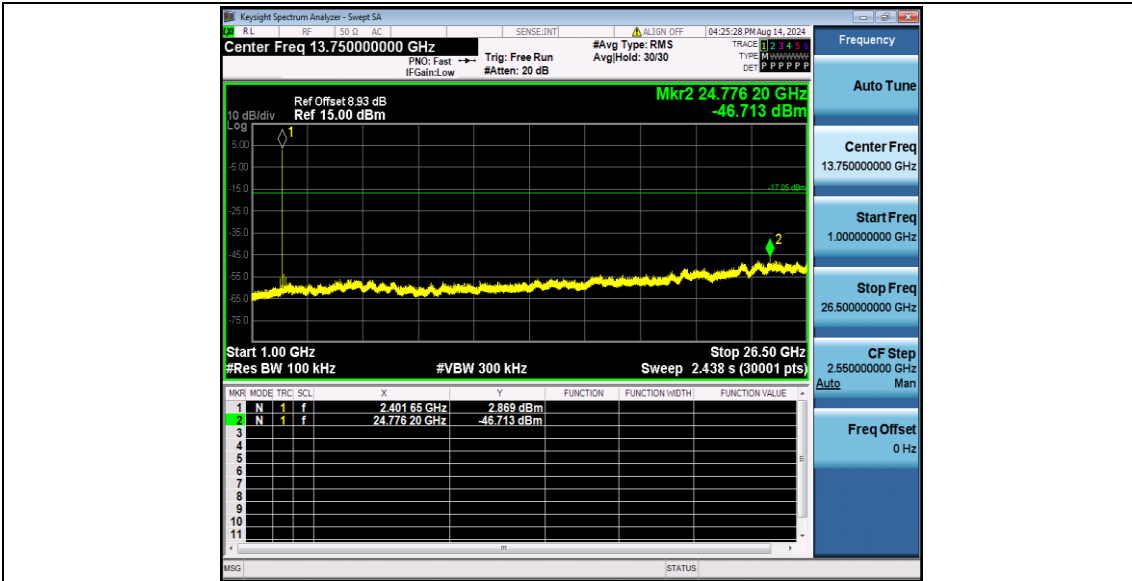
## Appendix B.6: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.95	2.95	---	PASS
			30~1000	2.95	-54.98	$\leq -17.05$	PASS
			1000~26500	2.95	-46.71	$\leq -17.05$	PASS
		2440	Reference	3.18	3.18	---	PASS
			30~1000	3.18	-56	$\leq -16.82$	PASS
			1000~26500	3.18	-47.58	$\leq -16.82$	PASS
		2480	Reference	3.50	3.50	---	PASS
			30~1000	3.50	-54.76	$\leq -16.5$	PASS
			1000~26500	3.50	-38.27	$\leq -16.5$	PASS

## Test Graphs

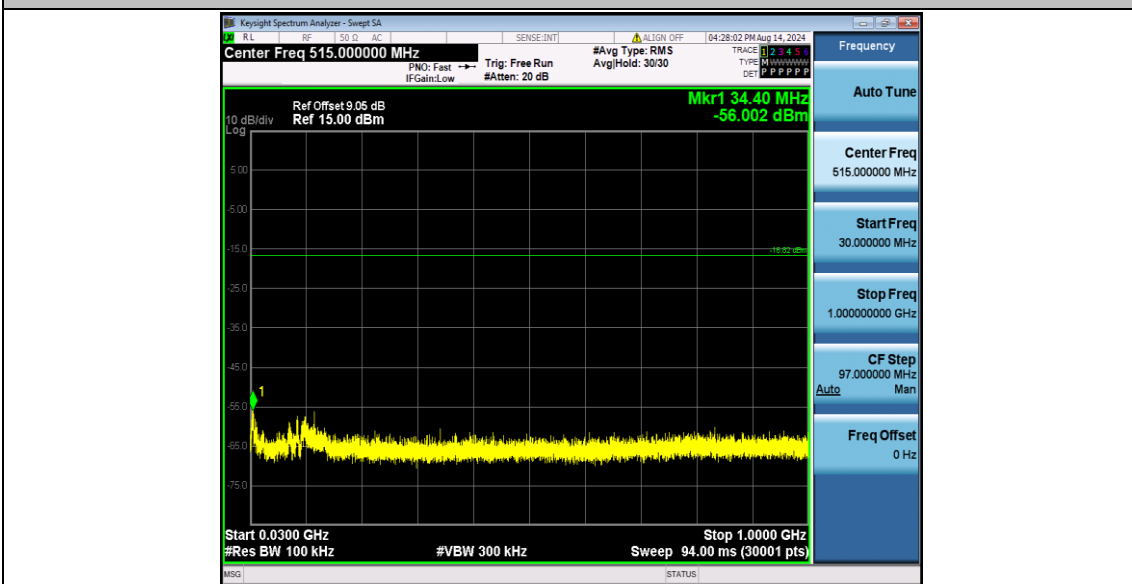




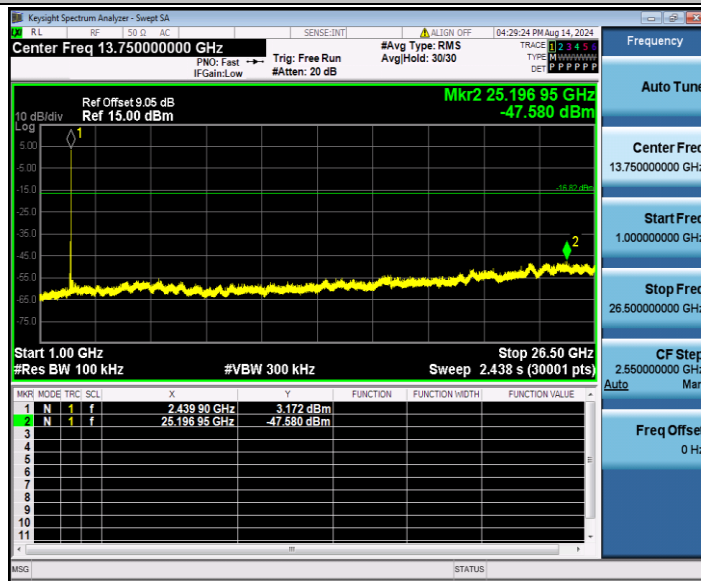
BLE\_Ant1\_2440\_0-Reference



BLE\_Ant1\_2440\_30-1000



BLE\_Ant1\_2440\_1000~26500

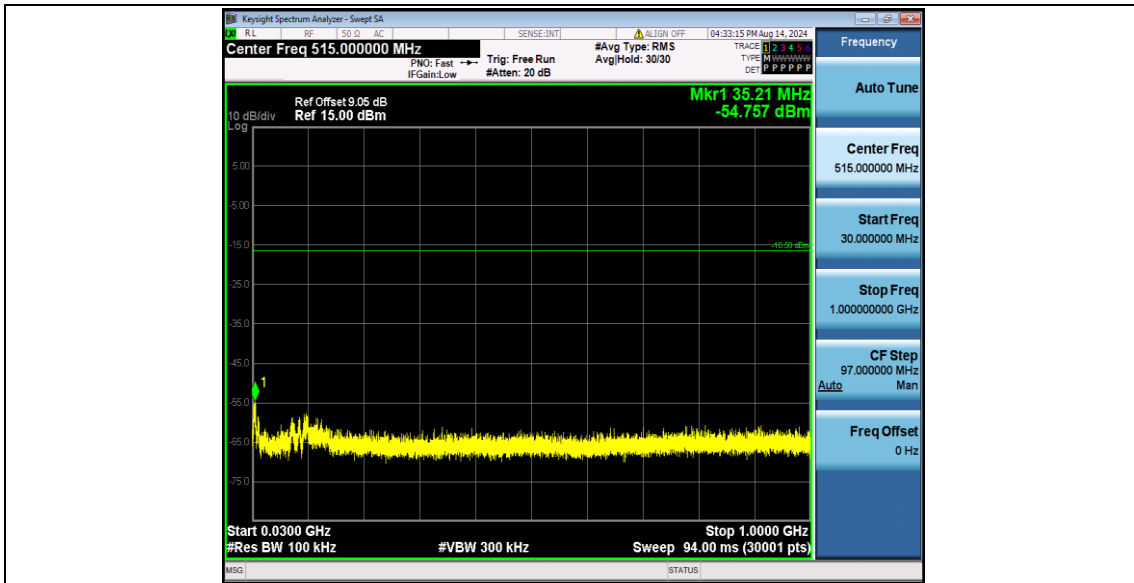


BLE\_Ant1\_2480\_0~Reference



BLE\_Ant1\_2480\_30~1000





BLE\_Ant1\_2480\_1000~26500

