

<b>Case No. :</b> <u>GTS20230105011-1-24</u>
<b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.3.4</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix B.1: DTS Bandwidth

### Test Result

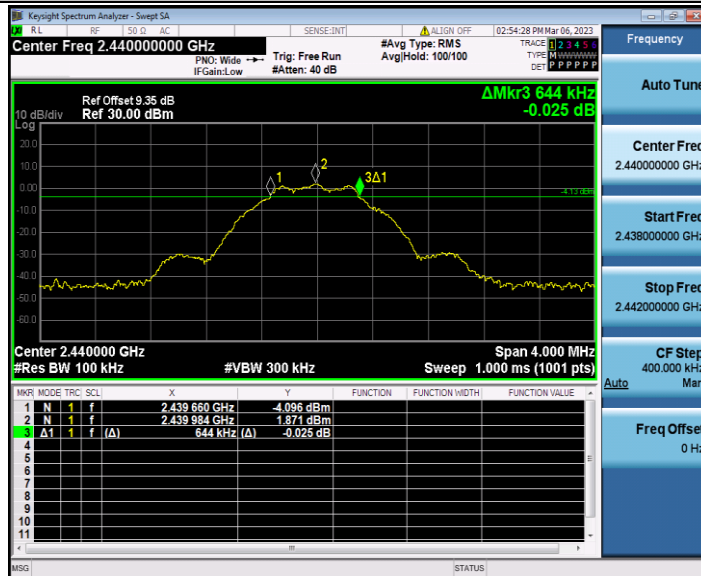
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.644	2401.656	2402.300	0.5	PASS
		2440	0.644	2439.660	2440.304	0.5	PASS
		2480	0.664	2479.640	2480.304	0.5	PASS

# Test Graphs

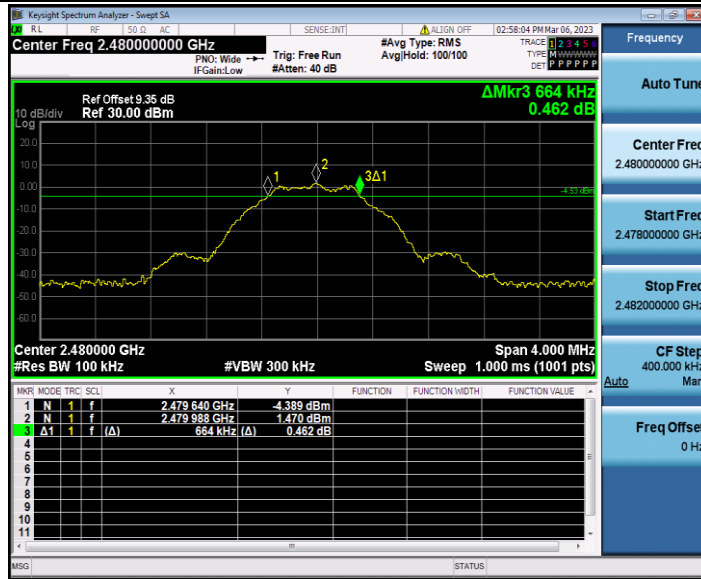
BLE\_Ant1\_2402



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	1.0382	2401.472	2402.510	---	---
		2440	1.0319	2439.476	2440.507	---	---
		2480	1.0243	2479.474	2480.498	---	---

# Test Graphs

BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480



## 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	1	≤30	PASS
		2440	2.19	≤30	PASS
		2480	1.78	≤30	PASS

## Appendix B.4: Maximum power spectral density

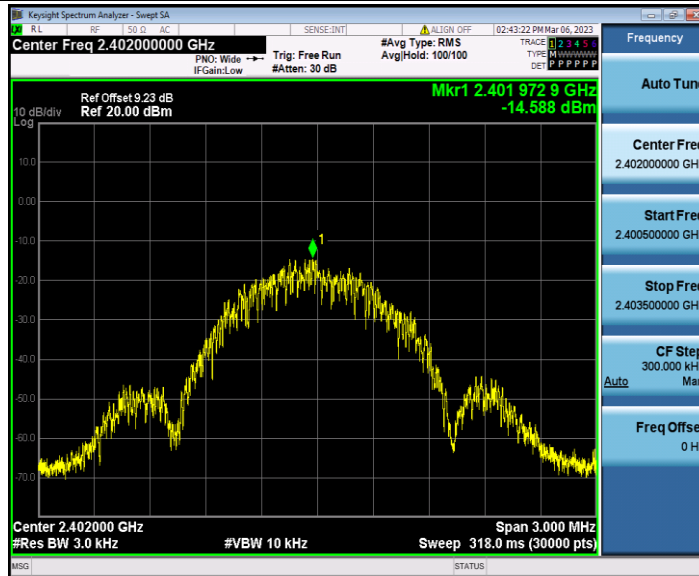
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-14.59	≤8.00	PASS
		2440	-13.26	≤8.00	PASS
		2480	-13.67	≤8.00	PASS

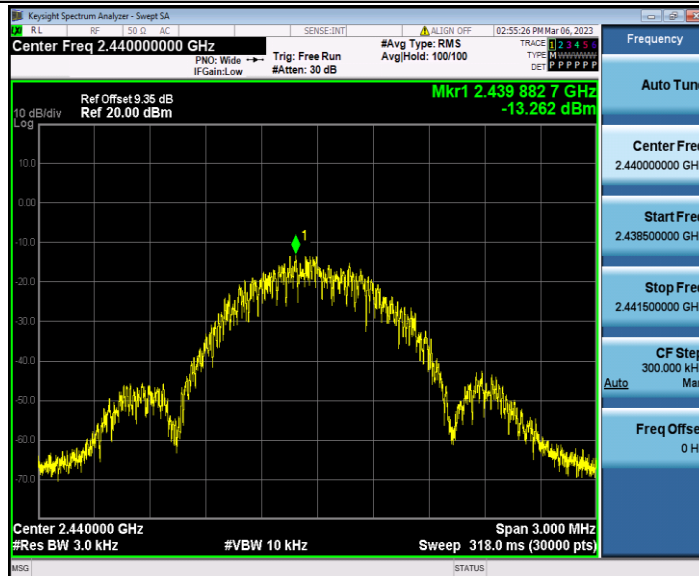


# Test Graphs

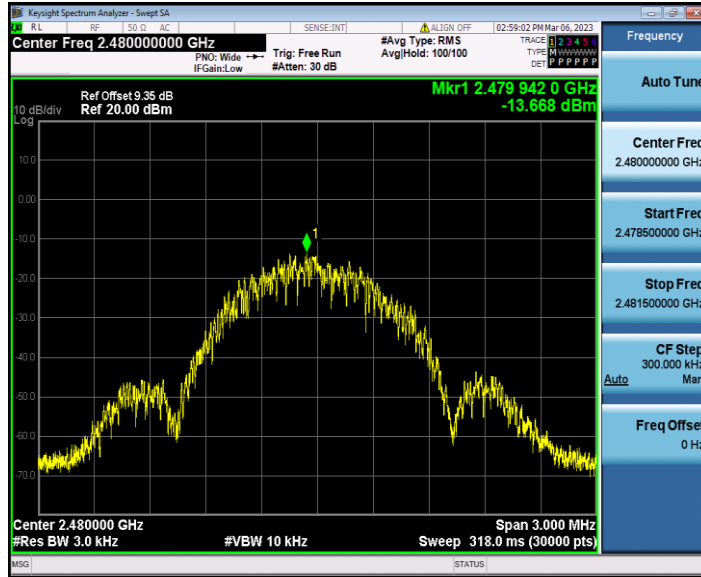
BLE\_Ant1\_2402



BLE\_Ant1\_2440



BLE\_Ant1\_2480



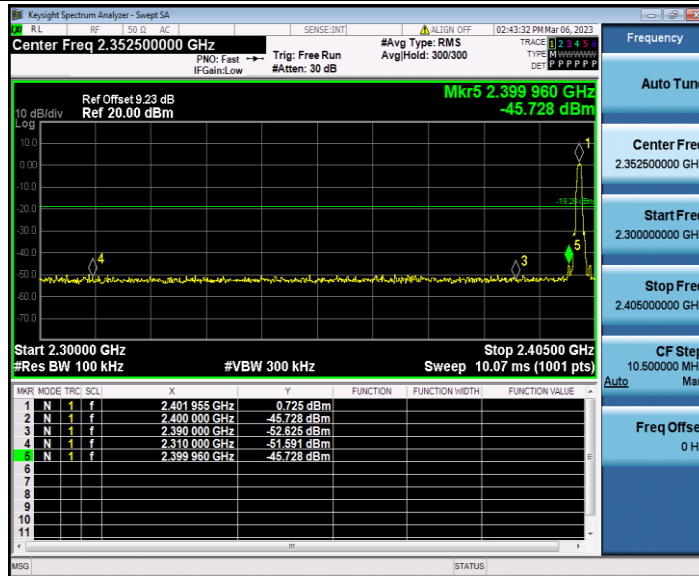
## Appendix B.5: Band edge measurements

### Test Result

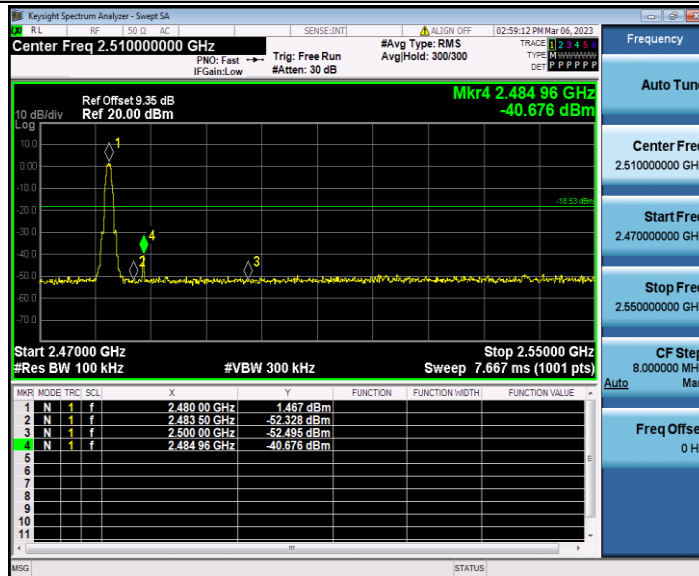
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	0.73	-45.73	$\leq -19.28$	PASS
		High	2480	1.47	-40.68	$\leq -18.53$	PASS

# Test Graphs

BLE\_Ant1\_Low\_2402



BLE\_Ant1\_High\_2480



## Appendix B.6: Conducted Spurious Emission

### Test Result

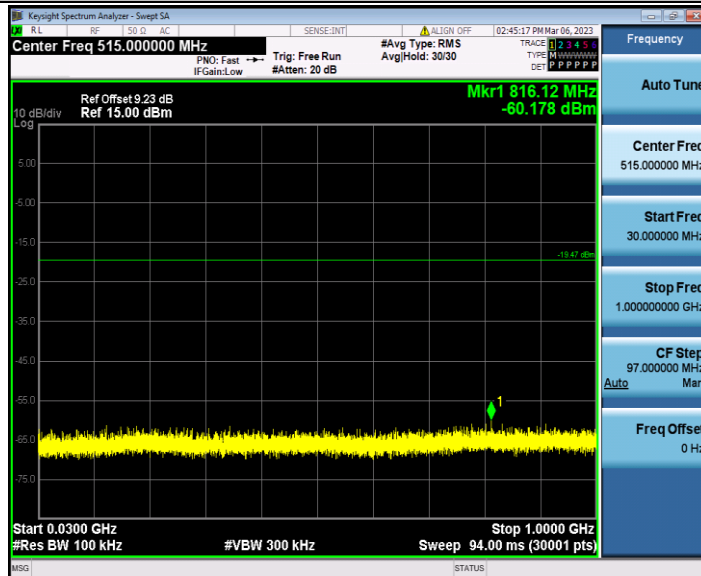
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.53	0.53	---	PASS
			30~1000	0.53	-60.18	$\leq -19.47$	PASS
			1000~26500	0.53	-48.01	$\leq -19.47$	PASS
		2440	Reference	0.99	0.99	---	PASS
			30~1000	0.99	-59.39	$\leq -19.01$	PASS
			1000~26500	0.99	-46.79	$\leq -19.01$	PASS
		2480	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-60.23	$\leq -19.23$	PASS
			1000~26500	0.77	-47.78	$\leq -19.23$	PASS

# Test Graphs

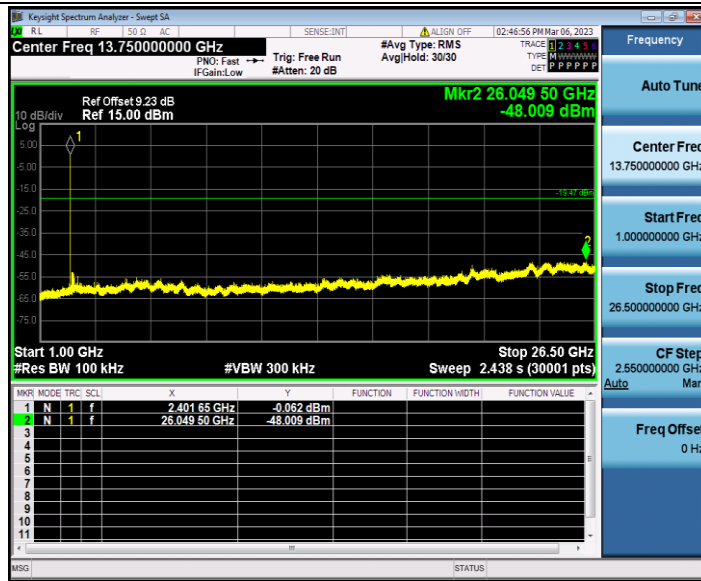
BLE\_Ant1\_2402\_0~Reference



BLE\_Ant1\_2402\_30~1000



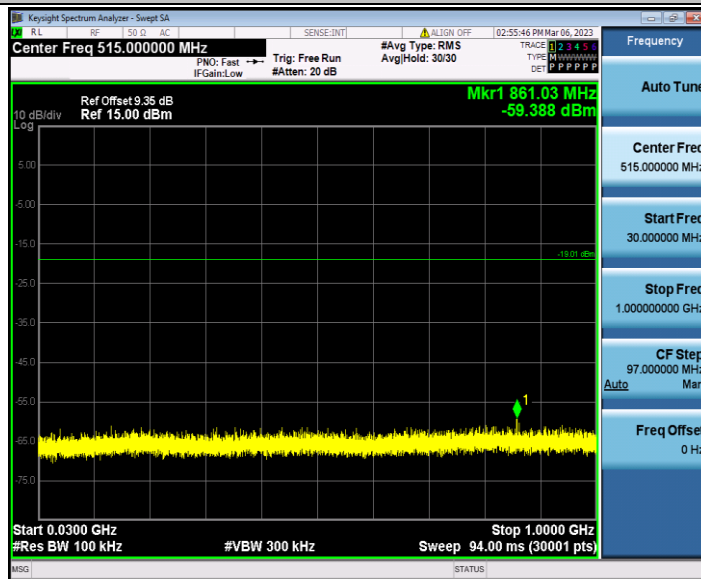
BLE\_Ant1\_2402\_1000~26500



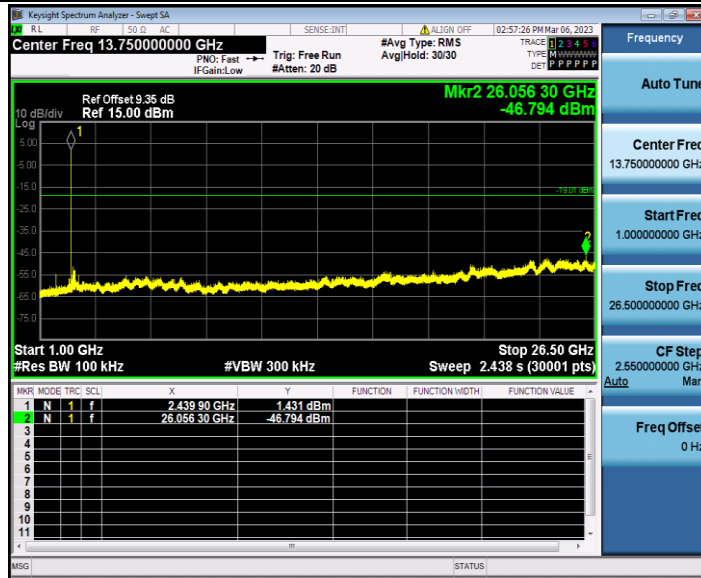
BLE\_Ant1\_2440\_0-Reference



BLE\_Ant1\_2440\_30-1000



BLE\_Ant1\_2440\_1000~26500

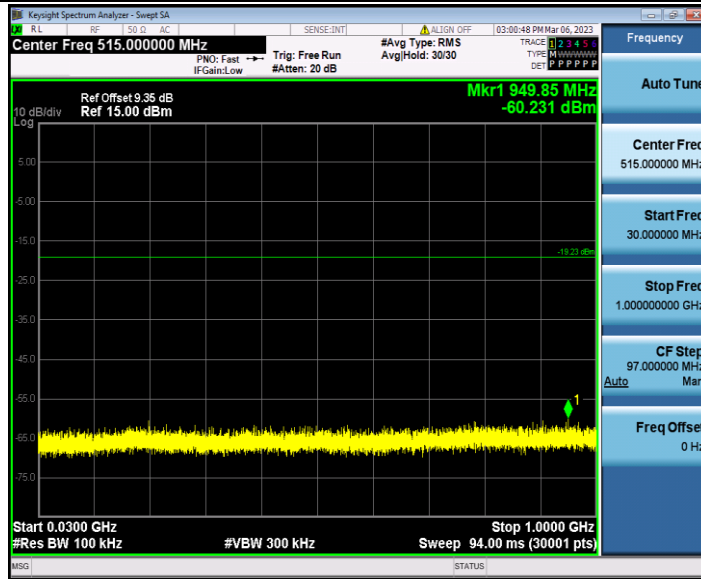


BLE\_Ant1\_2480\_0~Reference



BLE\_Ant1\_2480\_30~1000





BLE\_Ant1\_2480\_1000~26500

