

## Appendix A-FCC-BLE-Results

### Appendix A: DTS Bandwidth

#### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.632	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.652	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.652	2480.324	0.5	PASS

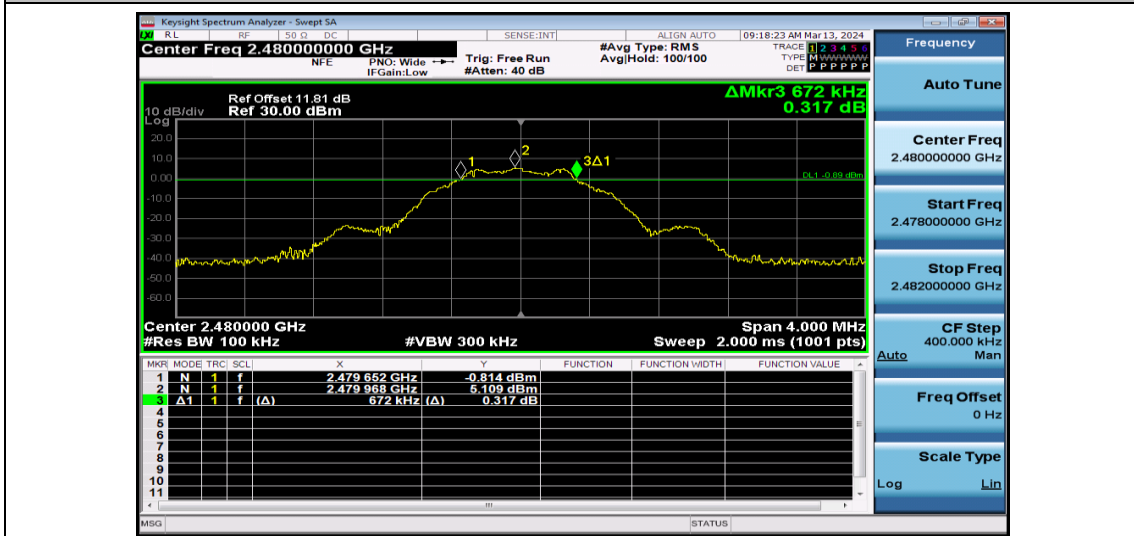
# Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



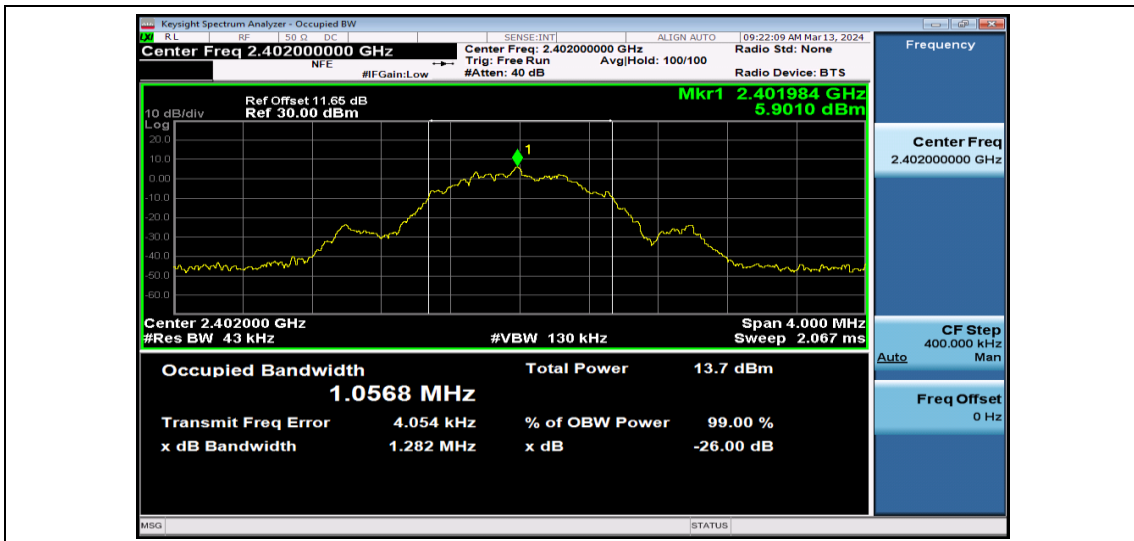
BLE\_1M-Ant1-2480-PASS

## Appendix A: Occupied Channel Bandwidth

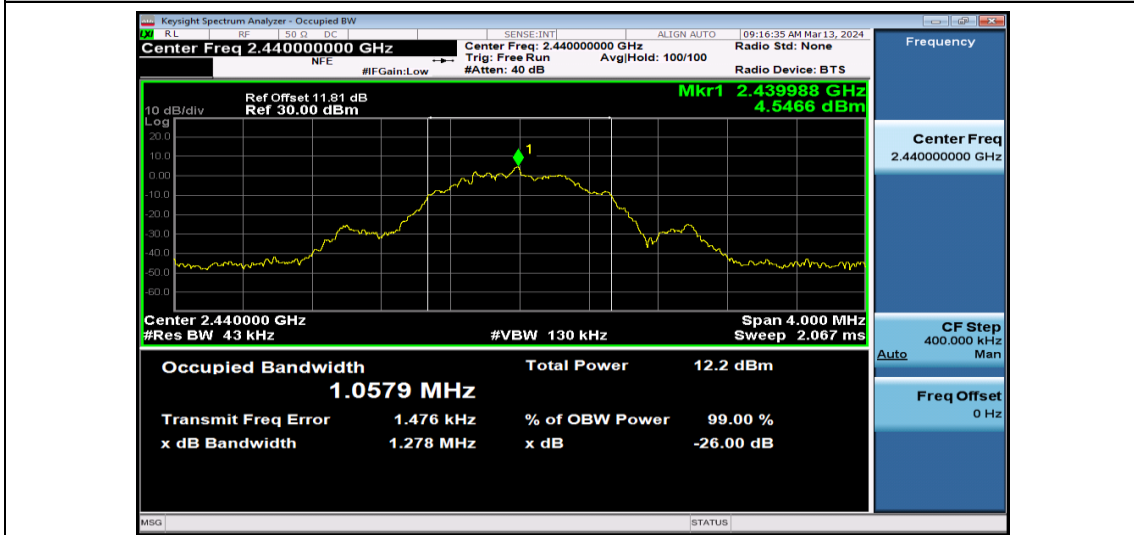
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0568	2401.4757	2402.5325	---	---
BLE_1M	Ant1	2440	1.0579	2439.4725	2440.5304	---	---
BLE_1M	Ant1	2480	1.0581	2479.4703	2480.5284	---	---

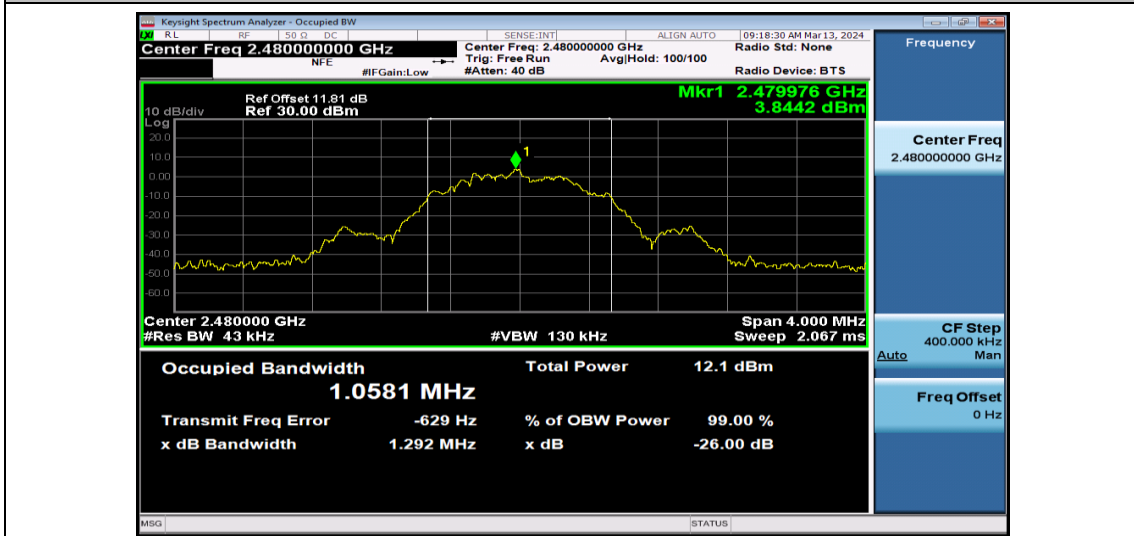
## Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



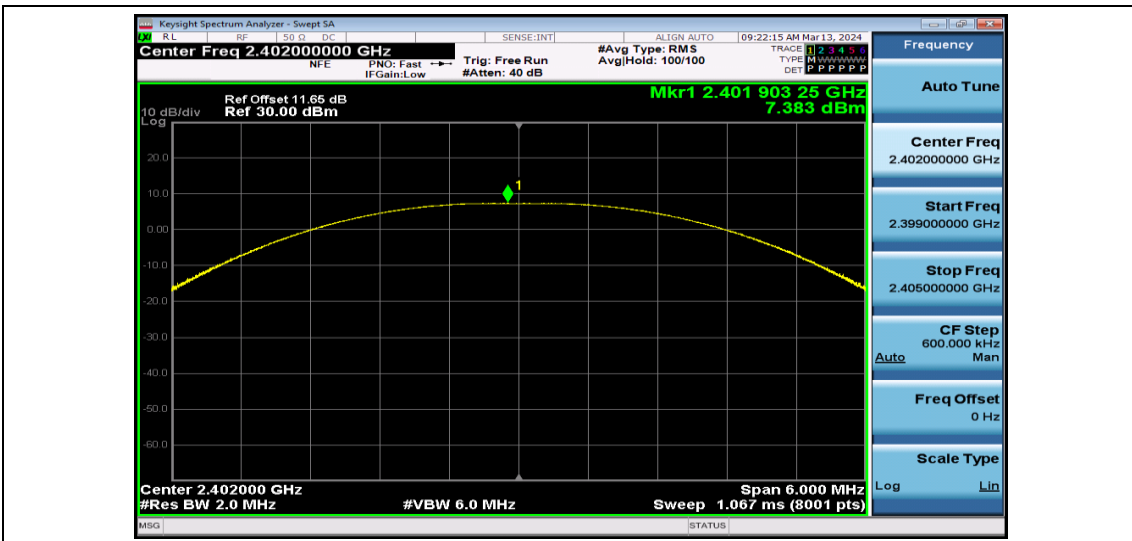
BLE\_1M-Ant1-2480

## Appendix A: Maximum conducted output power

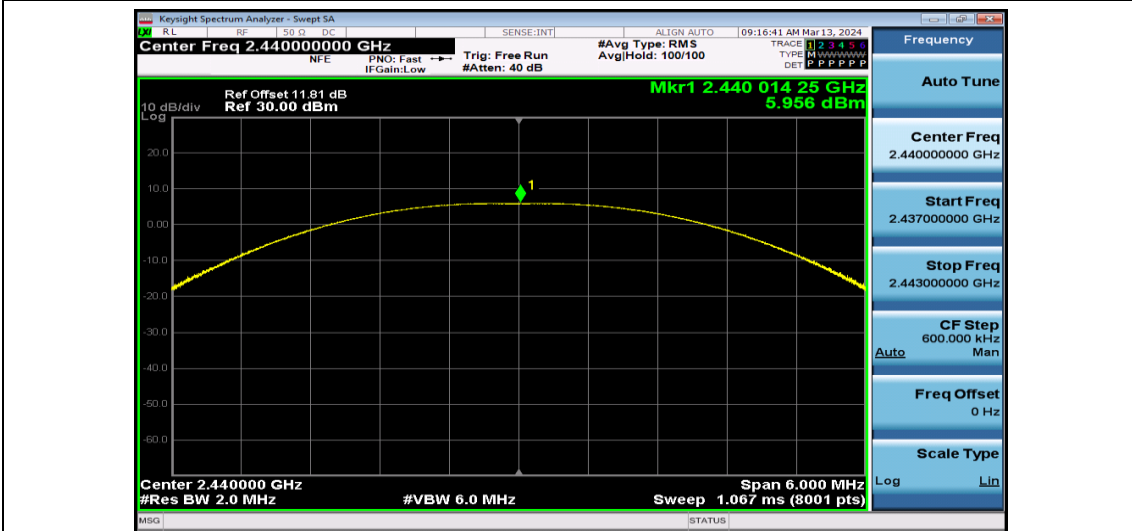
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.38	≤30	9.67	≤36	PASS
BLE_1M	Ant1	2440	5.96	≤30	8.25	≤36	PASS
BLE_1M	Ant1	2480	5.92	≤30	8.21	≤36	PASS

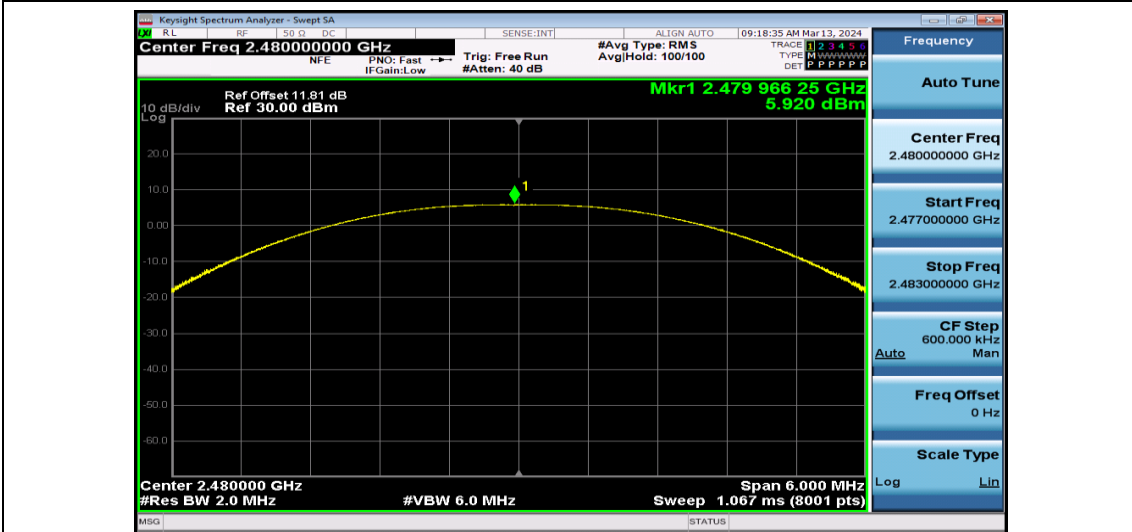
### Test Graphs Peak



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



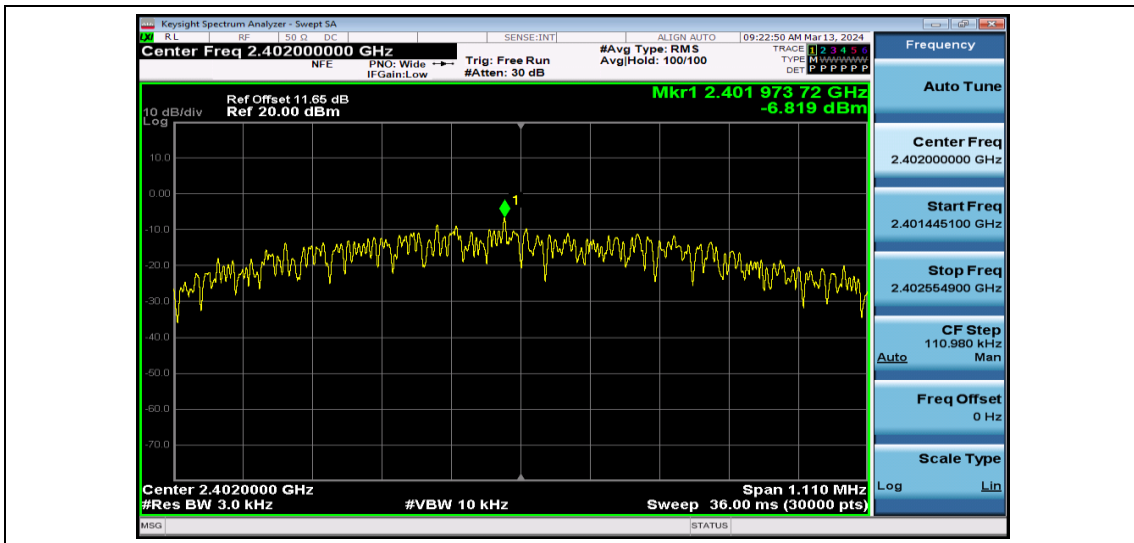
BLE\_1M-Ant1-2480-PASS

## Appendix A: Maximum power spectral density

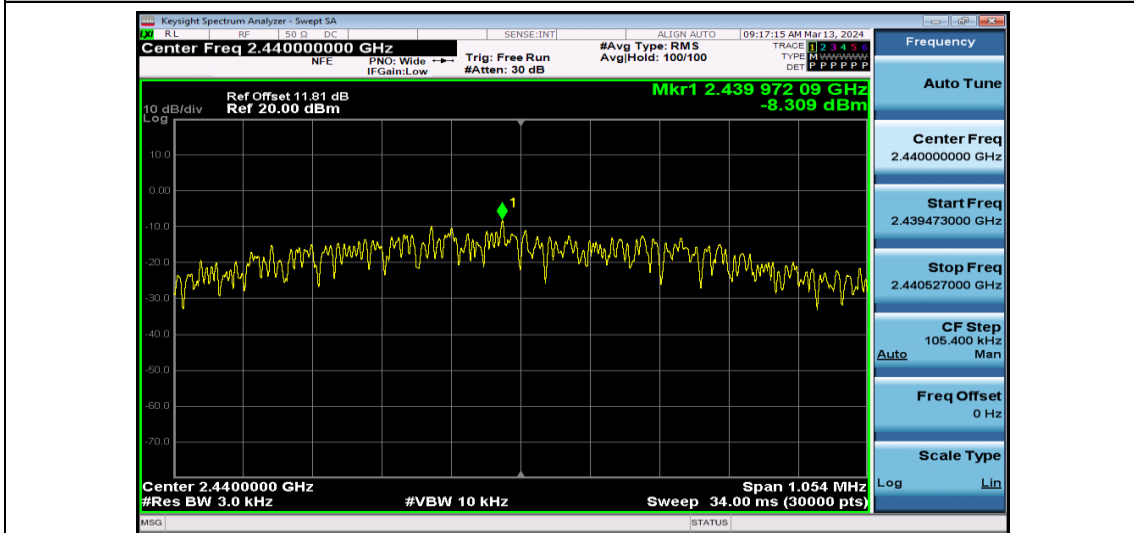
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.82	≤8.00	PASS
BLE_1M	Ant1	2440	-8.31	≤8.00	PASS
BLE_1M	Ant1	2480	-8.49	≤8.00	PASS

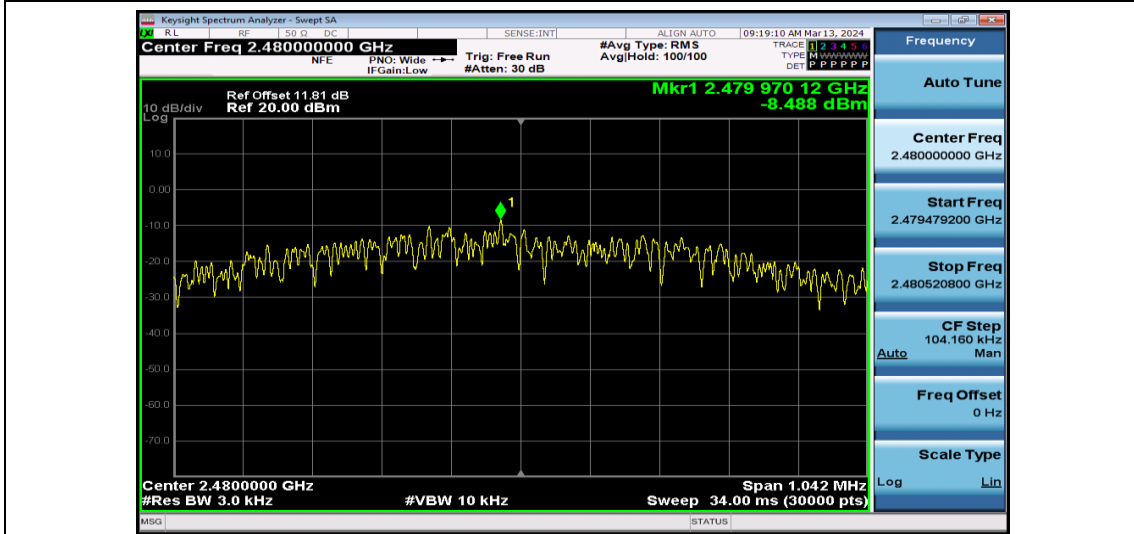
## Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS

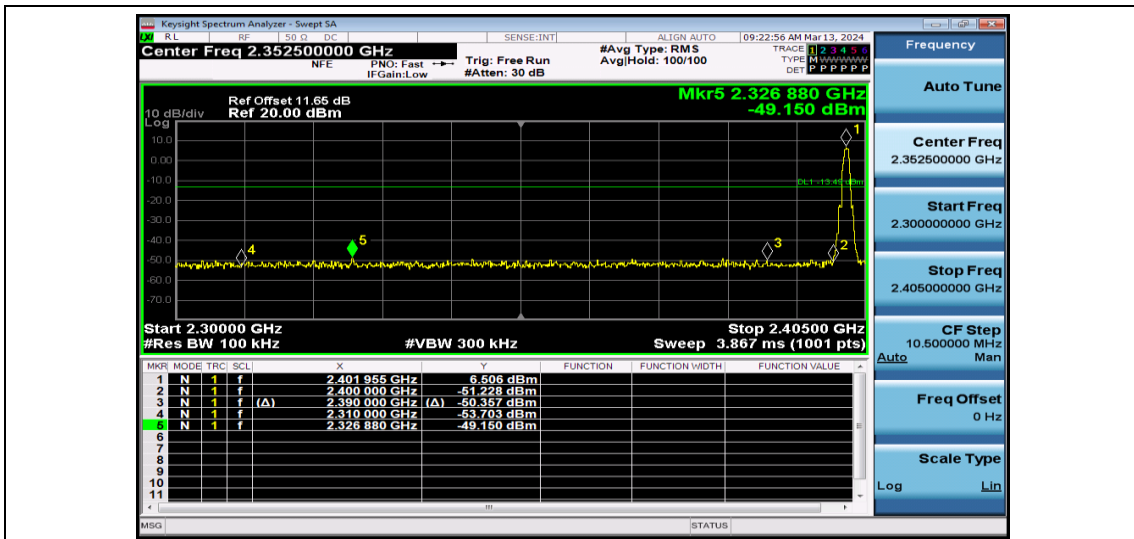


## Appendix A: Band edge measurements

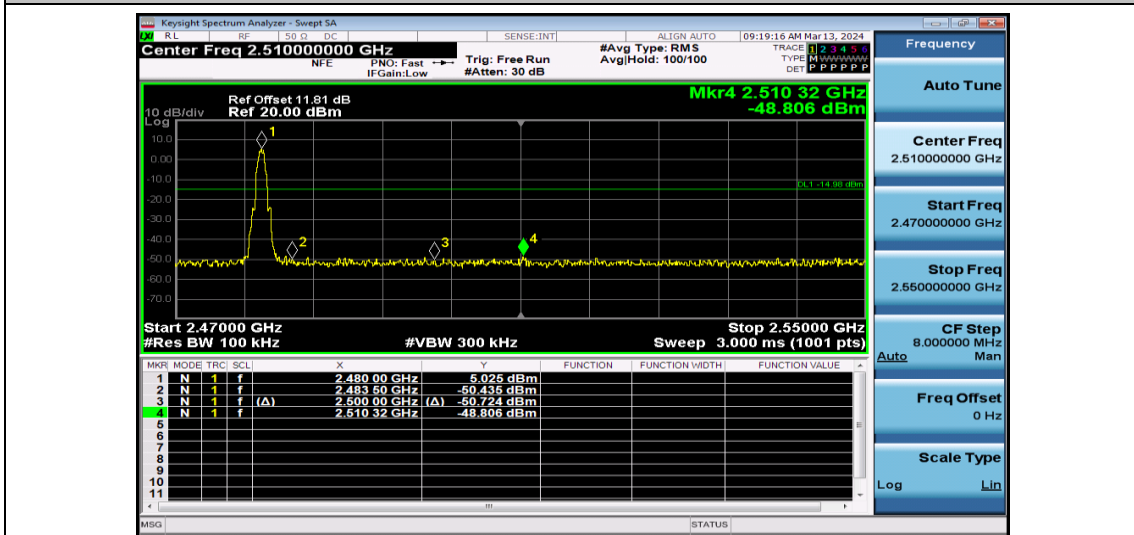
### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.51	-49.15	≤-13.49	PASS
BLE_1M	Ant1	High	2480	5.03	-48.81	≤-14.98	PASS

## Test Graphs



BLE\_1M-Ant1-240-PASS



BLE\_1M-Ant1-2480-PASS

## Appendix A: Conducted Spurious Emission

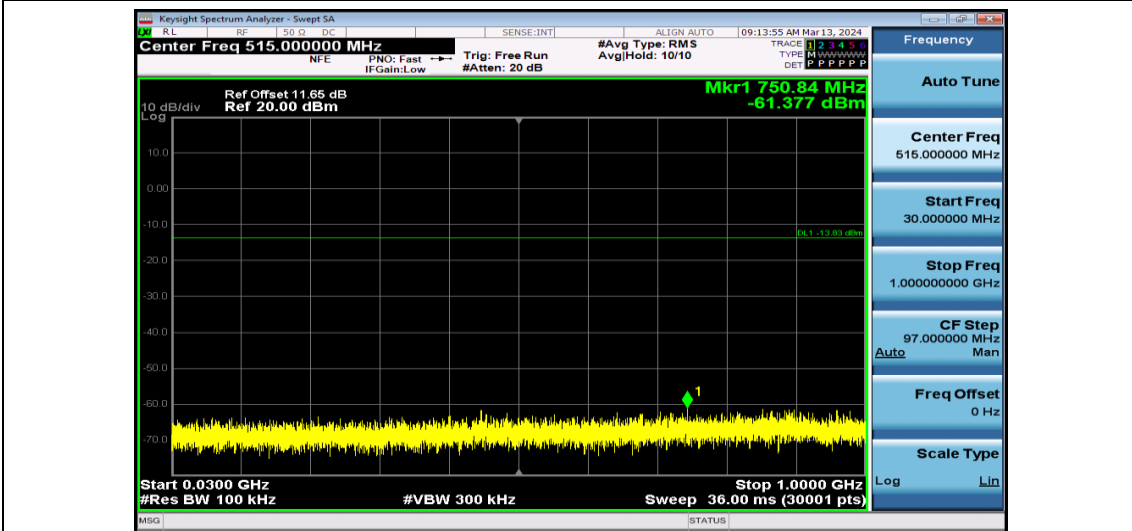
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	6.17	6.17	---	PASS
BLE_1M	Ant1	2402	30~1000	6.17	-61.38	≤-13.83	PASS
BLE_1M	Ant1	2402	1000~26500	6.17	-52.61	≤-13.83	PASS
BLE_1M	Ant1	2440	0~Reference	3.78	3.78	---	PASS
BLE_1M	Ant1	2440	30~1000	3.78	-60.89	≤-16.22	PASS
BLE_1M	Ant1	2440	1000~26500	3.78	-52.06	≤-16.22	PASS
BLE_1M	Ant1	2480	0~Reference	4.44	4.44	---	PASS
BLE_1M	Ant1	2480	30~1000	4.44	-61.3	≤-15.56	PASS
BLE_1M	Ant1	2480	1000~26500	4.44	-51.19	≤-15.56	PASS

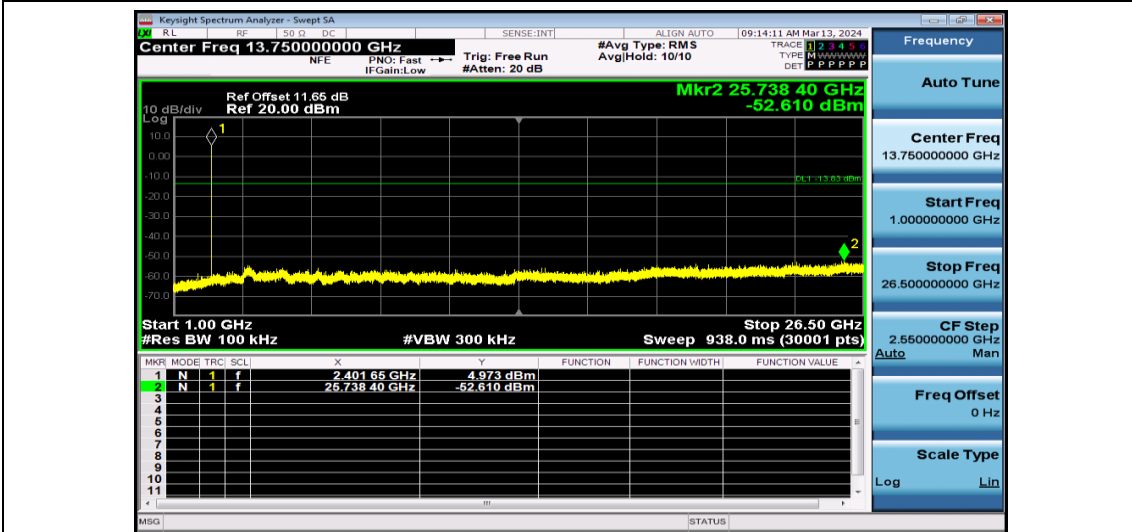
### Test Graphs



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



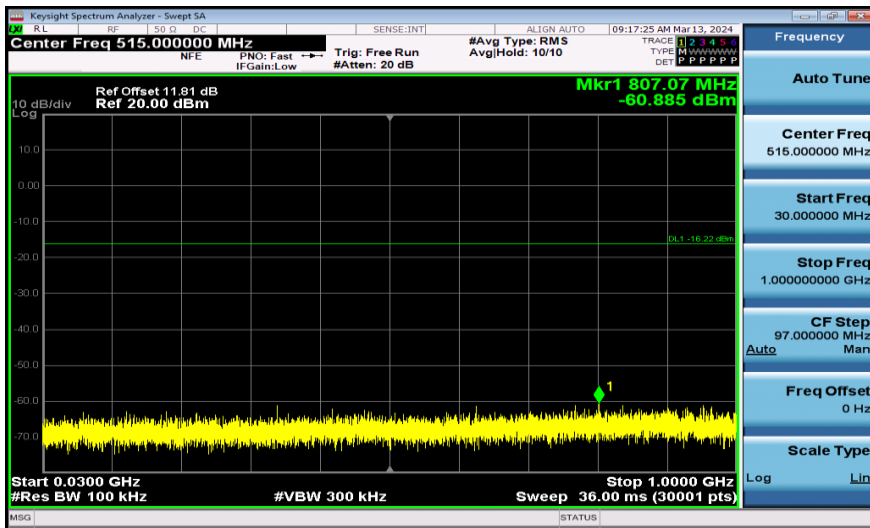
BLE\_1M-Ant1-2402-30~1000-PASS



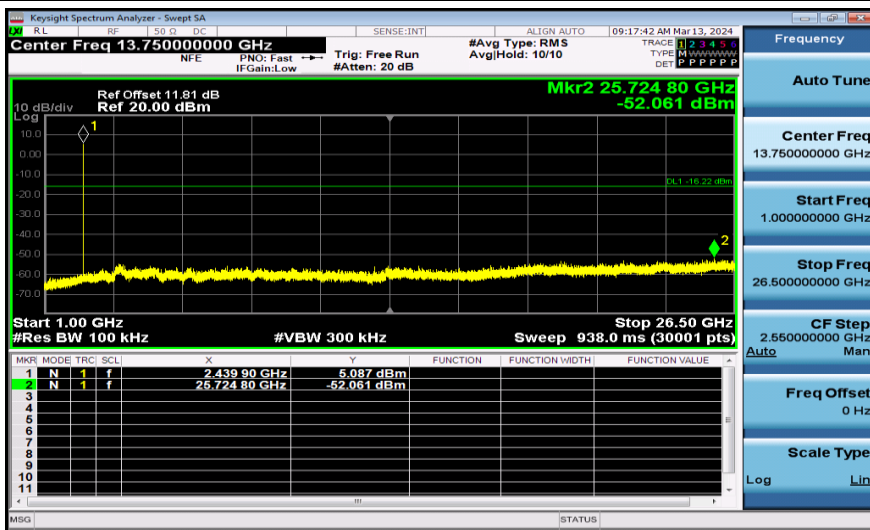
BLE\_1M-Ant1-2402-1000~26500-PASS



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



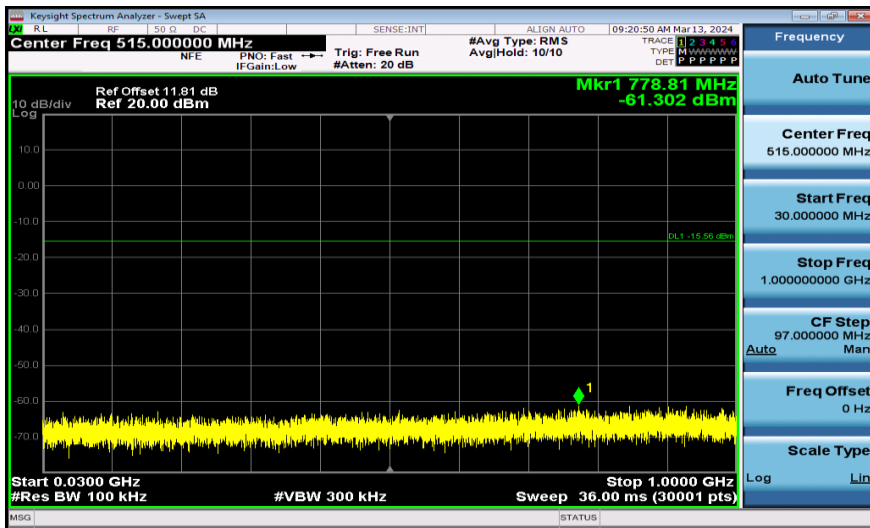
BLE\_1M-Ant1-2440-30~1000-PASS



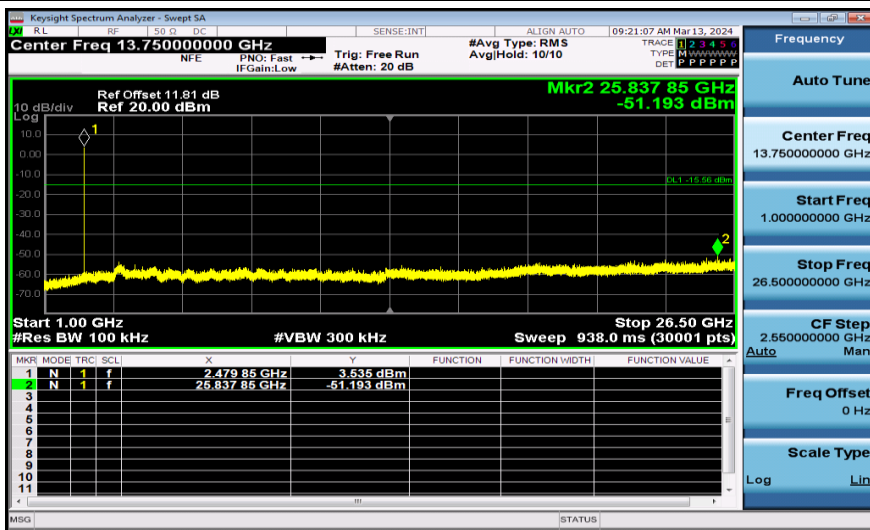
BLE\_1M-Ant1-2440-1000~26500-PASS



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



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



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