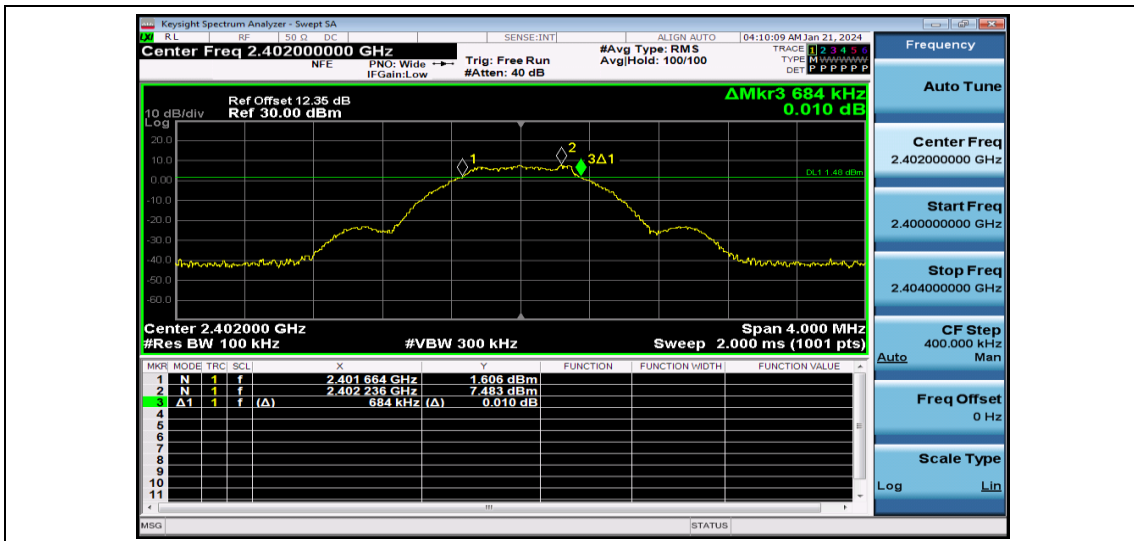


## DTS Bandwidth

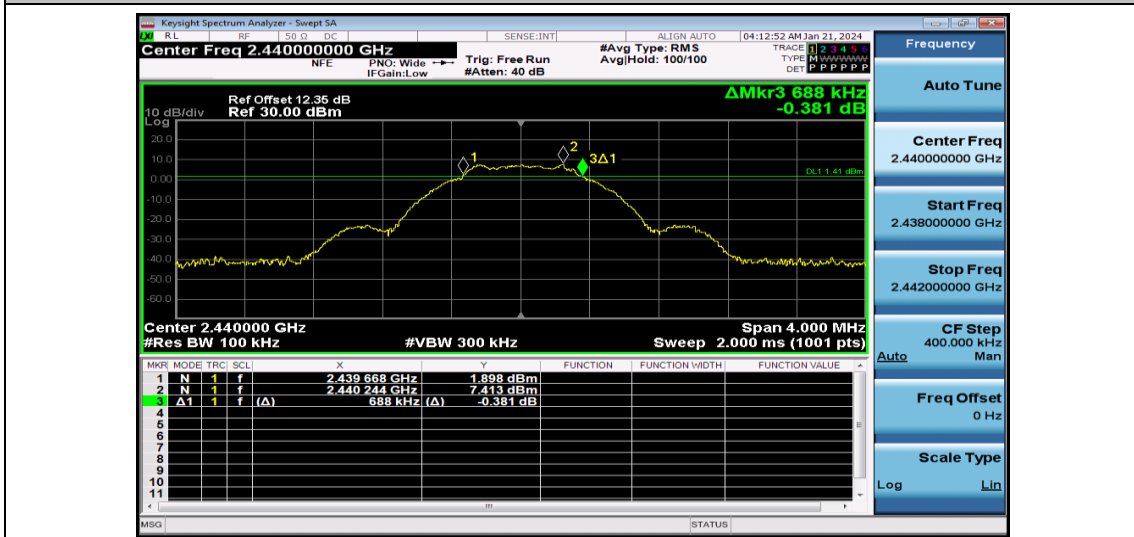
### Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.664	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.668	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.696	2479.664	2480.360	0.5	PASS
BLE_2M	Ant1	2402	1.172	2401.408	2402.580	0.5	PASS
BLE_2M	Ant1	2440	1.236	2439.356	2440.592	0.5	PASS
BLE_2M	Ant1	2480	1.144	2479.436	2480.580	0.5	PASS

# Test Graphs



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS



BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS



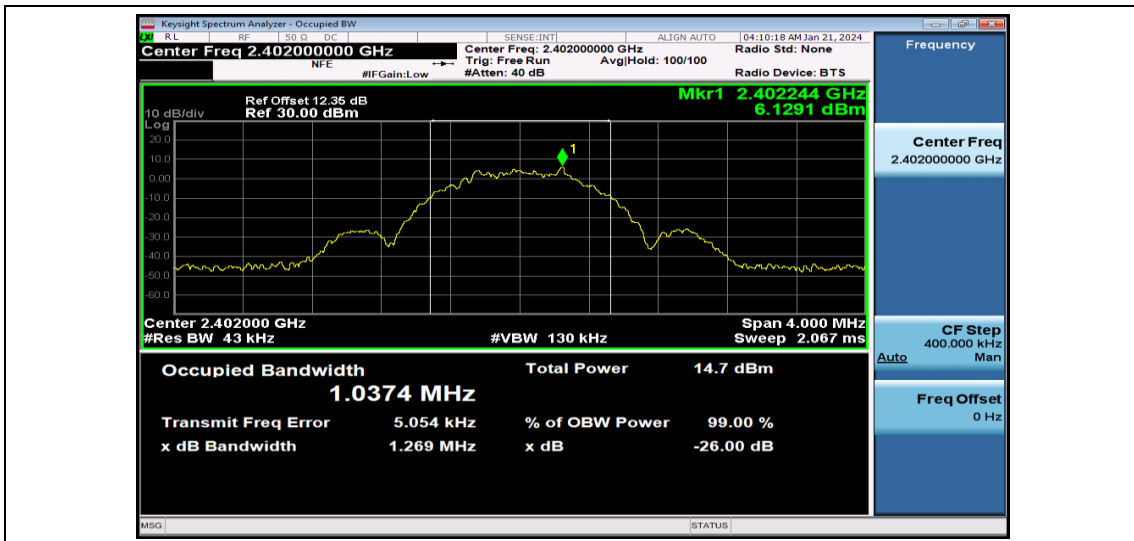
BLE\_2M-Ant1-2480-PASS

## Occupied Channel Bandwidth

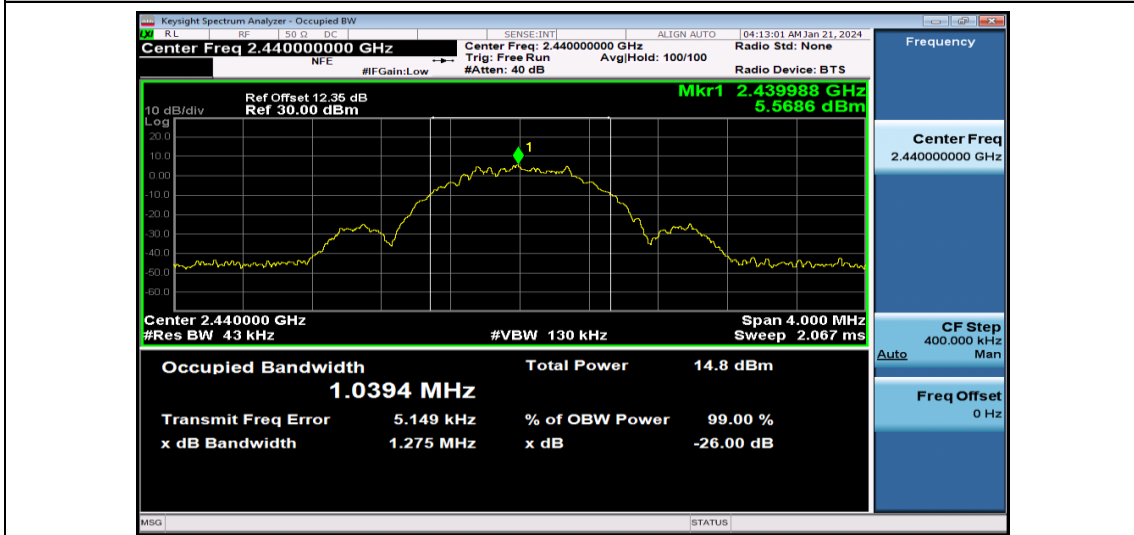
### Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0374	2401.4864	2402.5238	---	---
BLE_1M	Ant1	2440	1.0394	2439.4855	2440.5249	---	---
BLE_1M	Ant1	2480	1.0430	2479.4904	2480.5334	---	---
BLE_2M	Ant1	2402	2.0660	2400.9886	2403.0546	---	---
BLE_2M	Ant1	2440	2.0676	2438.9860	2441.0536	---	---
BLE_2M	Ant1	2480	2.0704	2478.9838	2481.0542	---	---

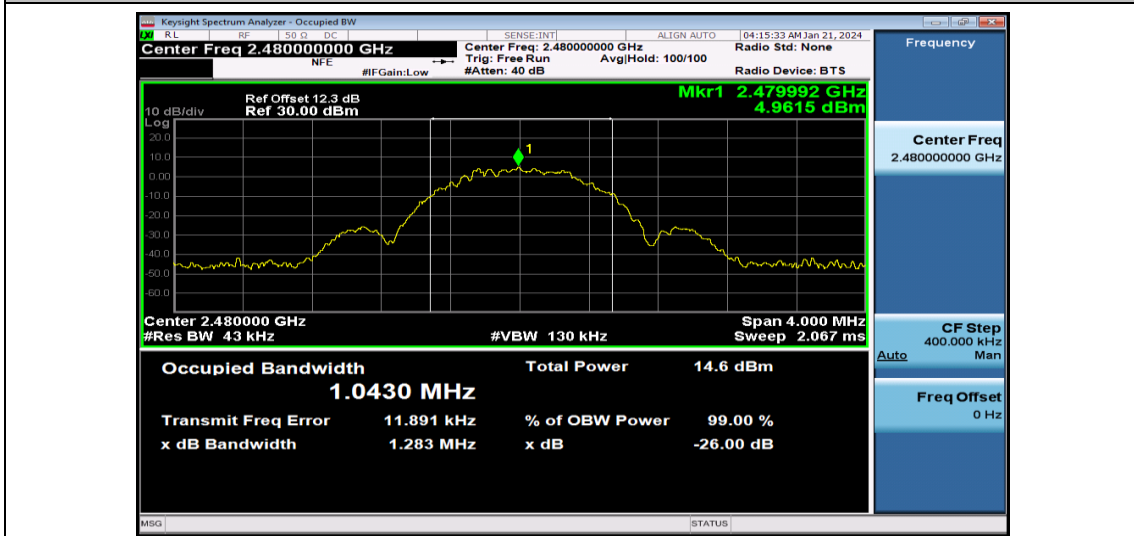
# Test Graphs



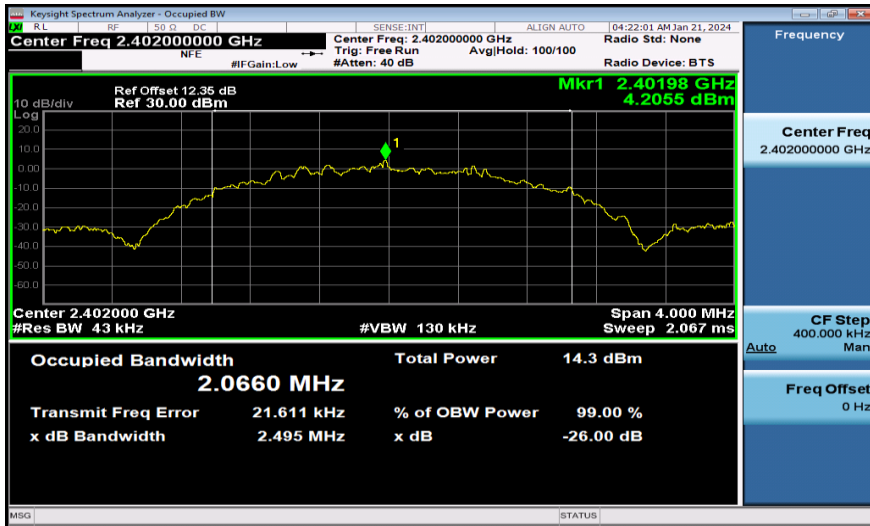
BLE\_1M-Ant1-2402



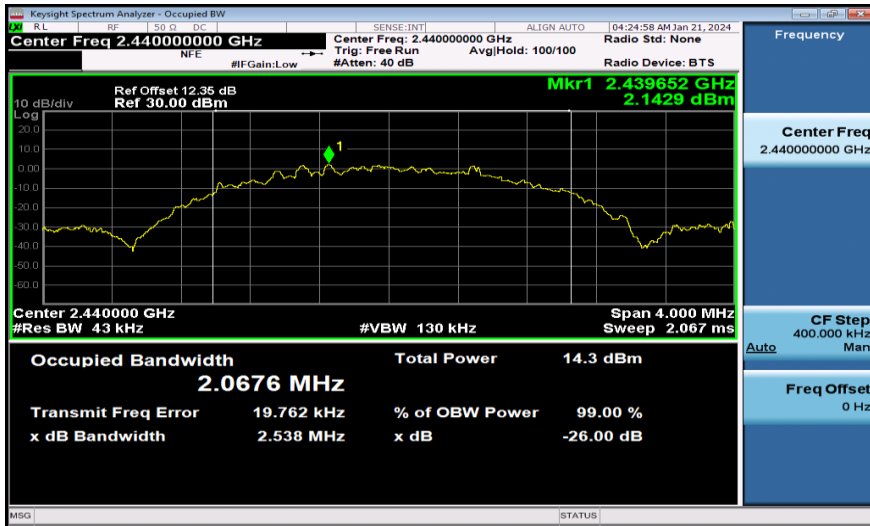
BLE\_1M-Ant1-2440



BLE\_1M-Ant1-2480



BLE\_2M-Ant1-2402



BLE\_2M-Ant1-2440



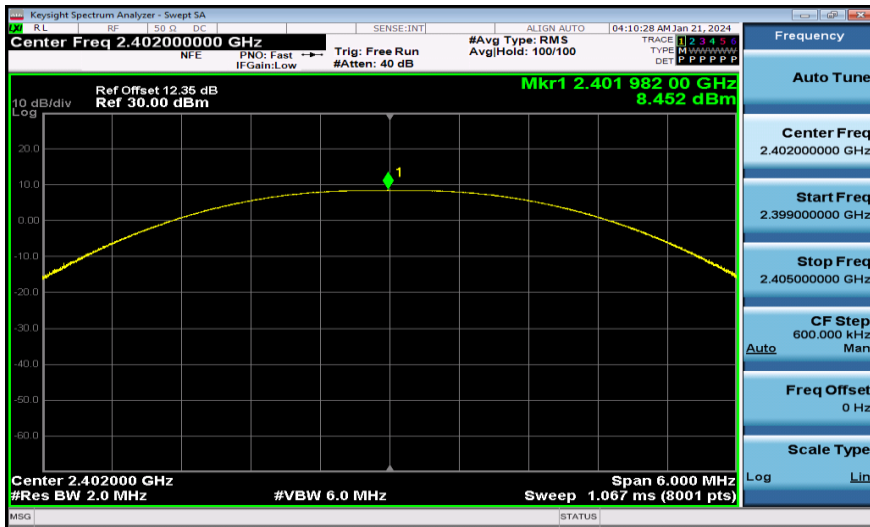
BLE\_2M-Ant1-2480

## Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.45	≤30	12.03	≤36	PASS
BLE_1M	Ant1	2440	8.41	≤30	11.99	≤36	PASS
BLE_1M	Ant1	2480	8.43	≤30	12.01	≤36	PASS
BLE_2M	Ant1	2402	8.42	≤30	12.00	≤36	PASS
BLE_2M	Ant1	2440	8.39	≤30	11.97	≤36	PASS
BLE_2M	Ant1	2480	8.43	≤30	12.01	≤36	PASS

# Test Graphs Peak



BLE\_1M-Ant1-2402-PASS

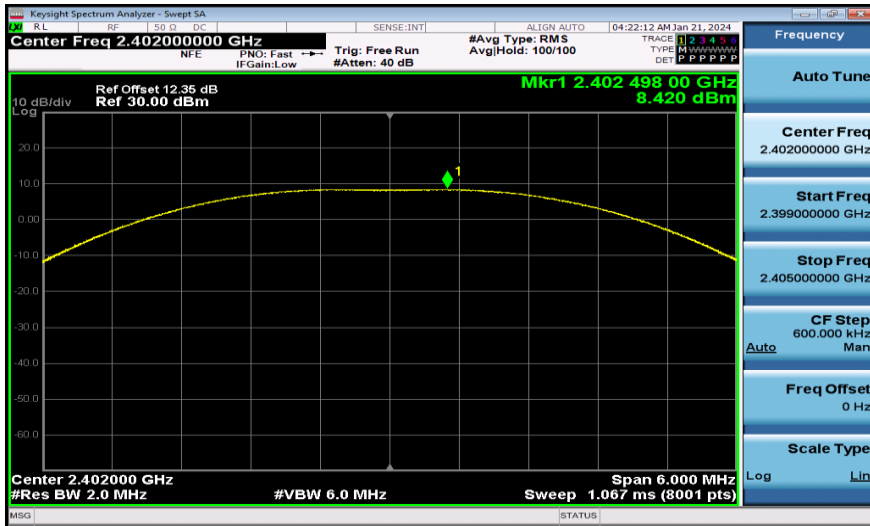


BLE\_1M-Ant1-2440-PASS



BLE\_1M-Ant1-2480-PASS





BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS



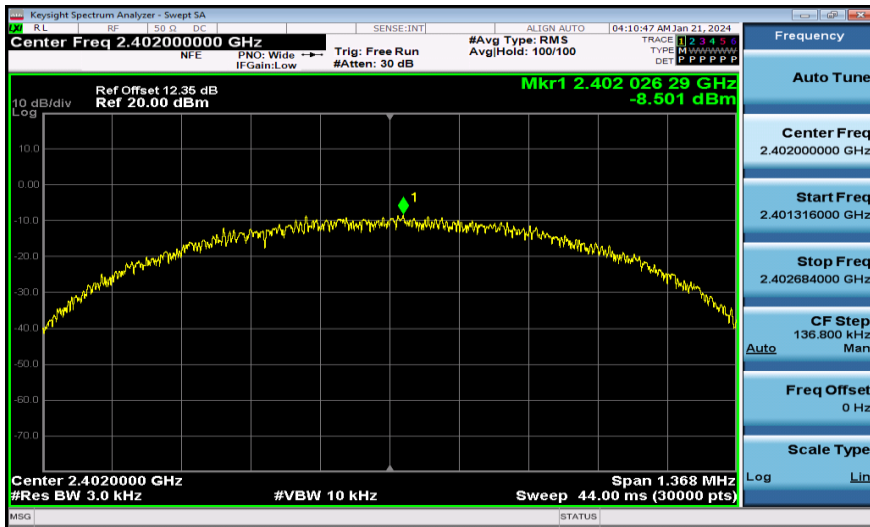
BLE\_2M-Ant1-2480-PASS

## Maximum power spectral density

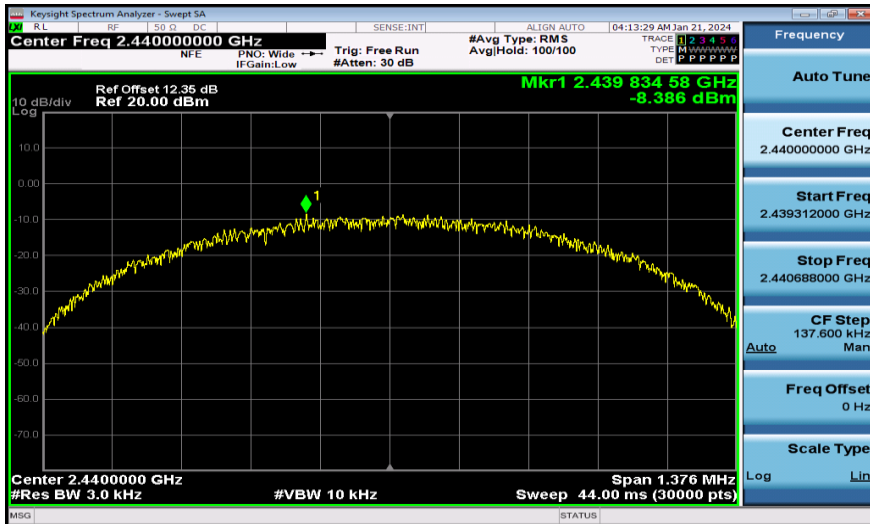
### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.5	≤8.00	PASS
BLE_1M	Ant1	2440	-8.39	≤8.00	PASS
BLE_1M	Ant1	2480	-8.49	≤8.00	PASS
BLE_2M	Ant1	2402	-10.46	≤8.00	PASS
BLE_2M	Ant1	2440	-10.44	≤8.00	PASS
BLE_2M	Ant1	2480	-10.77	≤8.00	PASS

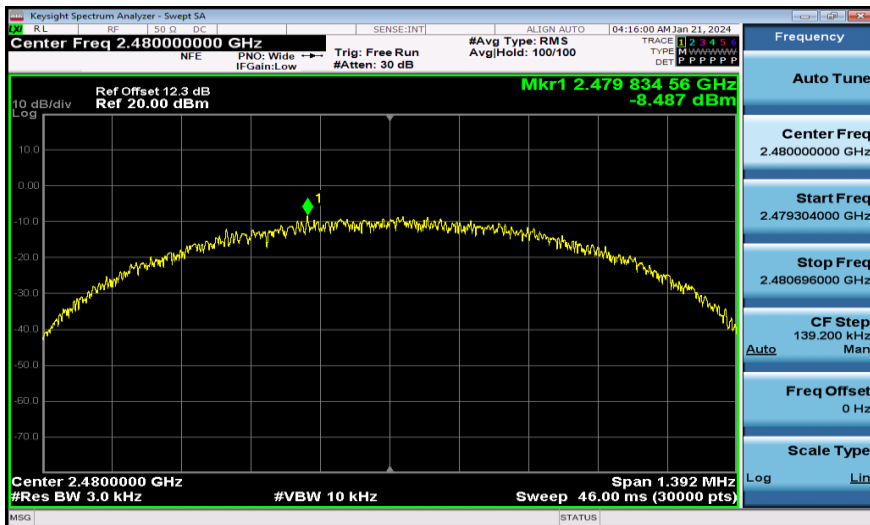
# Test Graphs



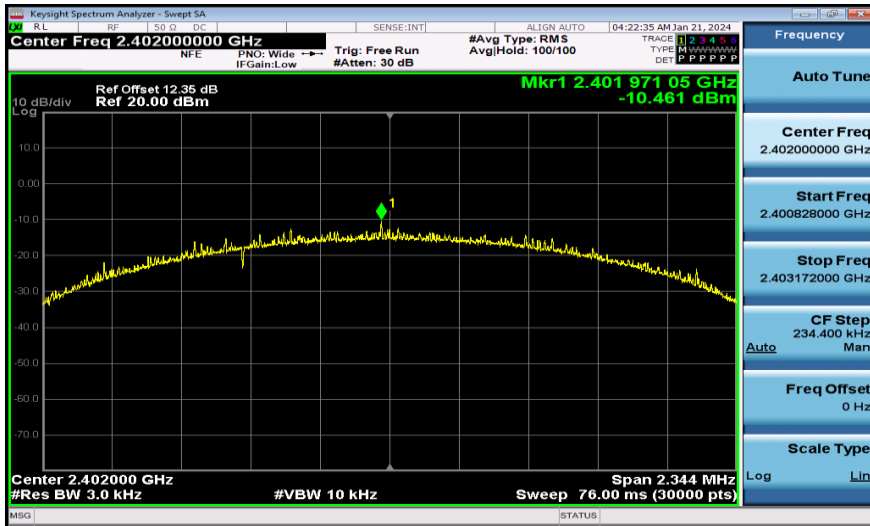
BLE\_1M-Ant1-2402-PASS



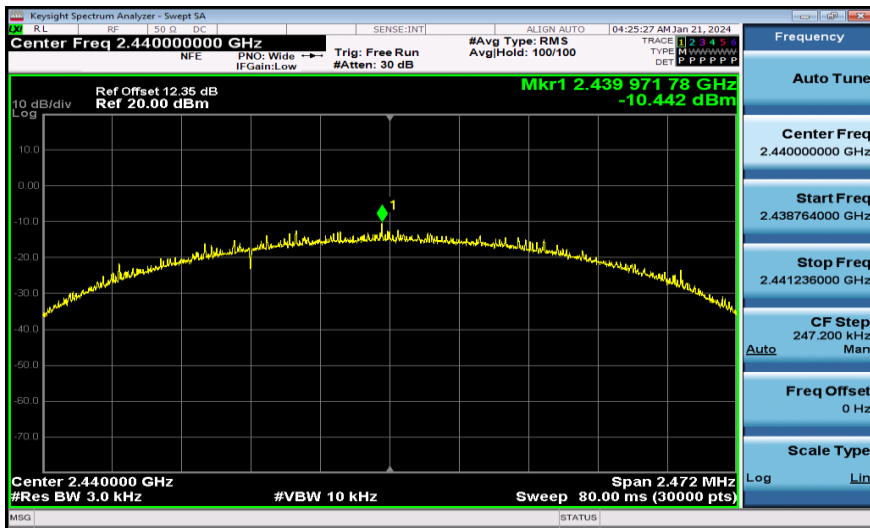
BLE\_1M-Ant1-2440-PASS



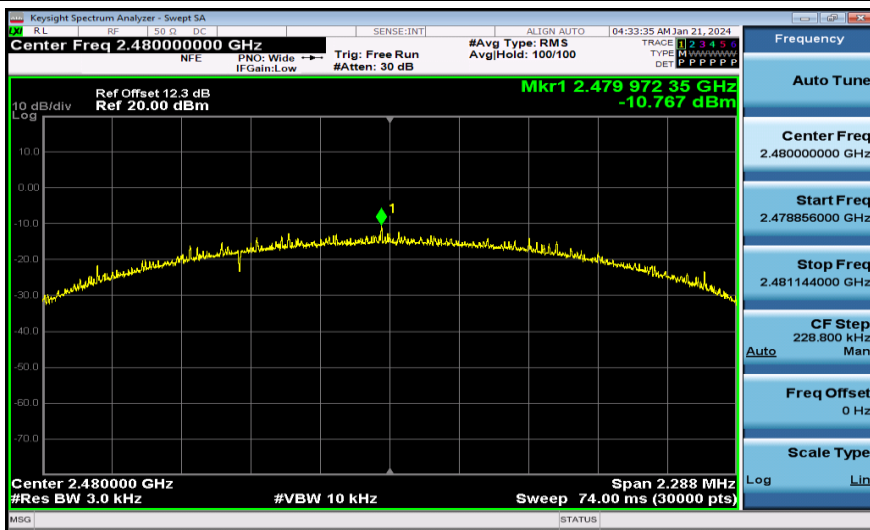
BLE\_1M-Ant1-2480-PASS



BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2440-PASS



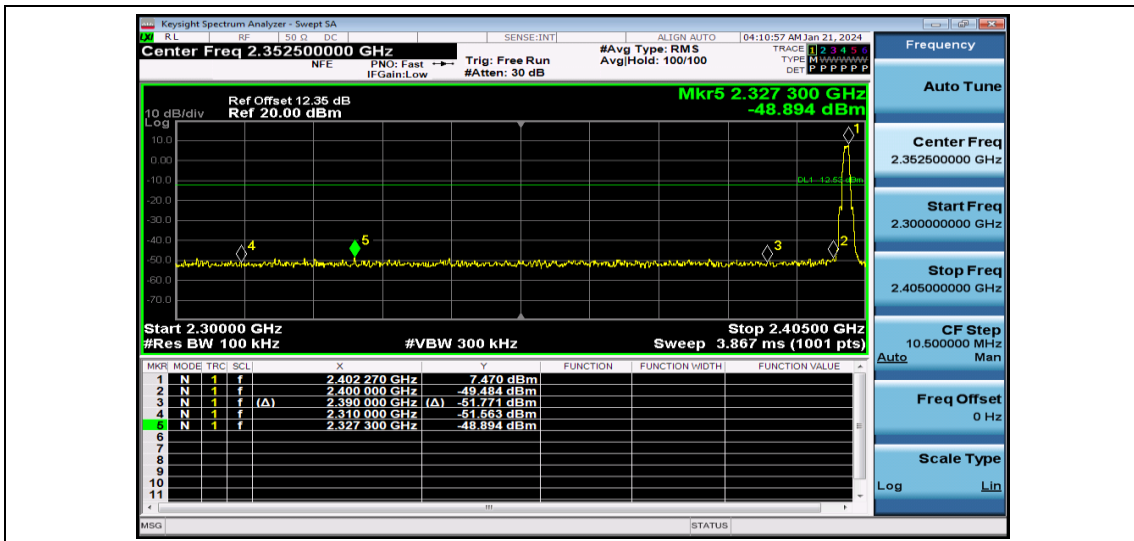
BLE\_2M-Ant1-2480-PASS

## Band edge measurements

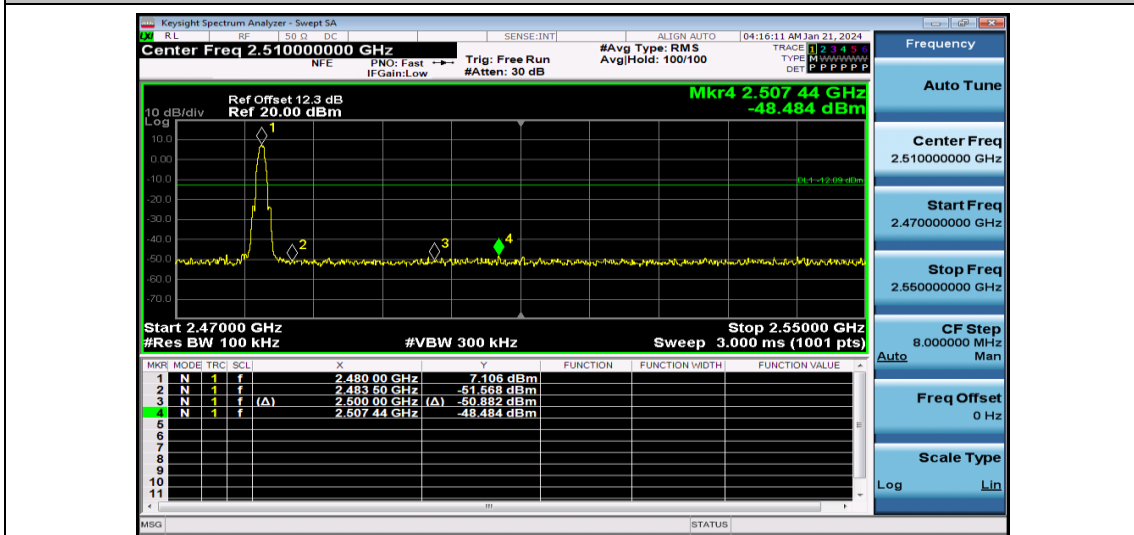
### Test Result

Test Mode	Antenna	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.47	-48.89	≤-12.53	PASS
BLE_1M	Ant1	2480	7.11	-48.48	≤-12.89	PASS
BLE_2M	Ant1	2402	7.02	-27.17	≤-12.98	PASS
BLE_2M	Ant1	2480	7.31	-47.73	≤-12.69	PASS

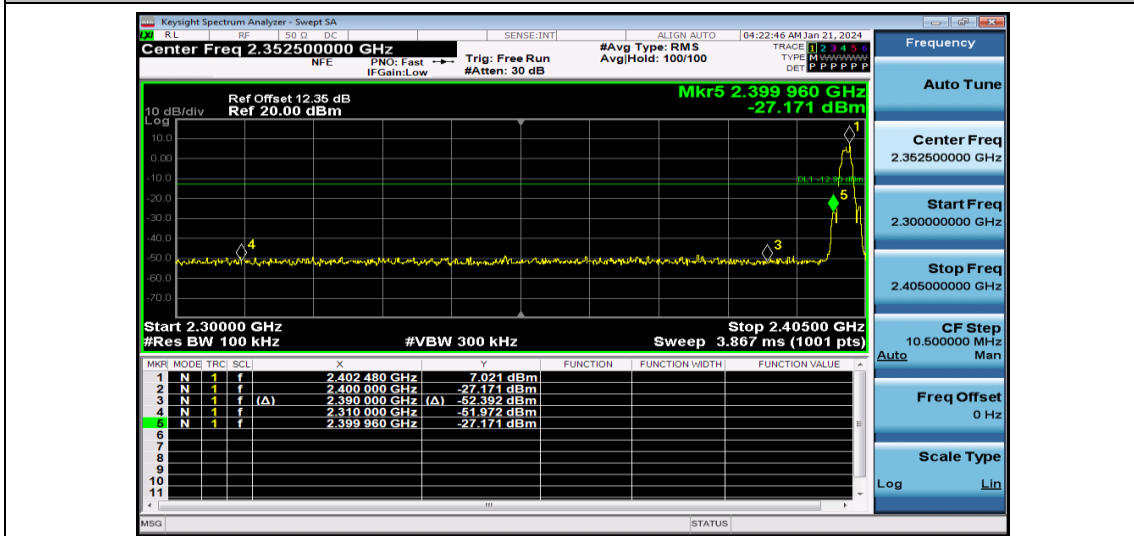
# Test Graphs



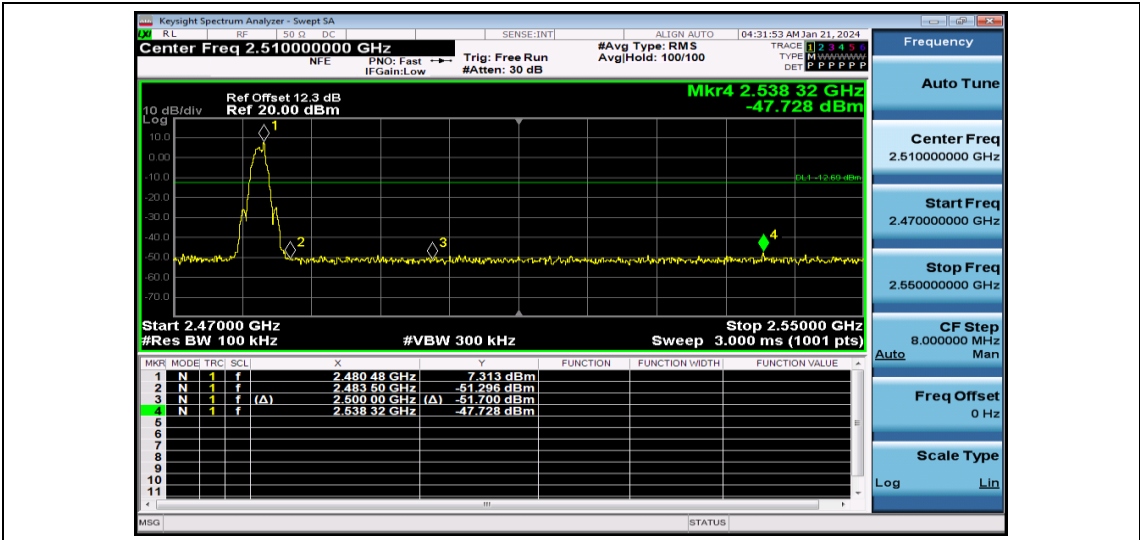
BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS



BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2480-PASS

## Conducted Spurious Emission

### Test Result

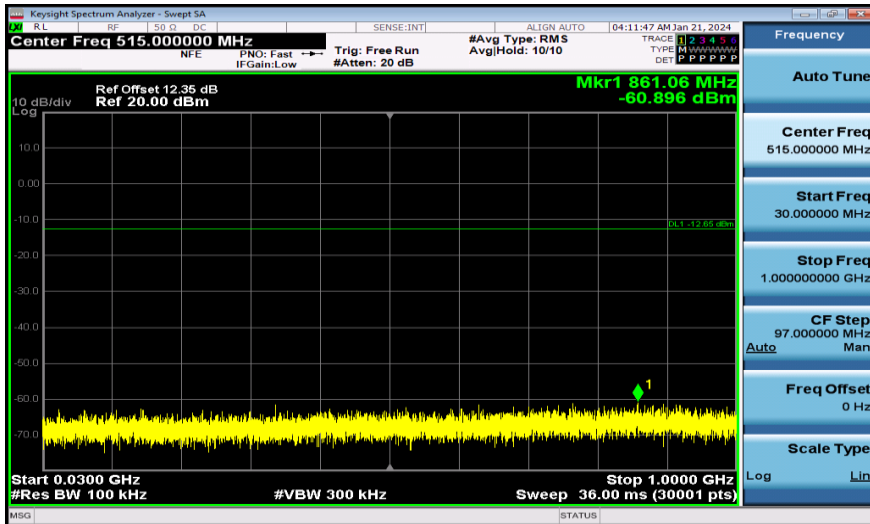
Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	7.35	7.35	---	PASS
BLE_1M	Ant1	2402	30~1000	7.35	-60.9	≤-12.65	PASS
BLE_1M	Ant1	2402	1000~26500	7.35	-50.46	≤-12.65	PASS
BLE_1M	Ant1	2440	0~Reference	8.28	8.28	---	PASS
BLE_1M	Ant1	2440	30~1000	8.28	-61.04	≤-11.72	PASS
BLE_1M	Ant1	2440	1000~26500	8.28	-51.78	≤-11.72	PASS
BLE_1M	Ant1	2480	0~Reference	7.40	7.40	---	PASS
BLE_1M	Ant1	2480	30~1000	7.40	-60.66	≤-12.6	PASS
BLE_1M	Ant1	2480	1000~26500	7.40	-52.05	≤-12.6	PASS
BLE_2M	Ant1	2402	0~Reference	7.39	7.39	---	PASS
BLE_2M	Ant1	2402	30~1000	7.39	-60.84	≤-12.61	PASS
BLE_2M	Ant1	2402	1000~26500	7.39	-52.13	≤-12.61	PASS
BLE_2M	Ant1	2440	0~Reference	7.35	7.35	---	PASS
BLE_2M	Ant1	2440	30~1000	7.35	-60.7	≤-12.65	PASS
BLE_2M	Ant1	2440	1000~26500	7.35	-52.46	≤-12.65	PASS
BLE_2M	Ant1	2480	0~Reference	6.93	6.93	---	PASS
BLE_2M	Ant1	2480	30~1000	6.93	-59.72	≤-13.07	PASS
BLE_2M	Ant1	2480	1000~26500	6.93	-51.44	≤-13.07	PASS



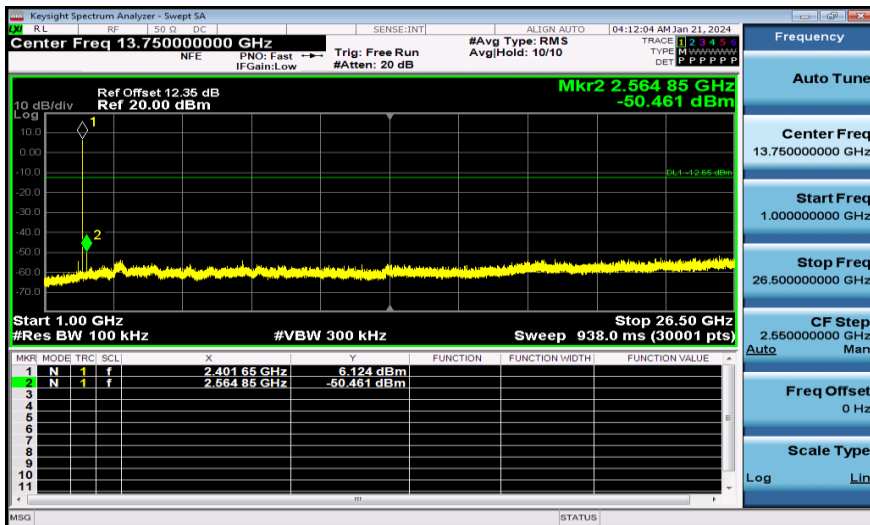
# Test Graphs



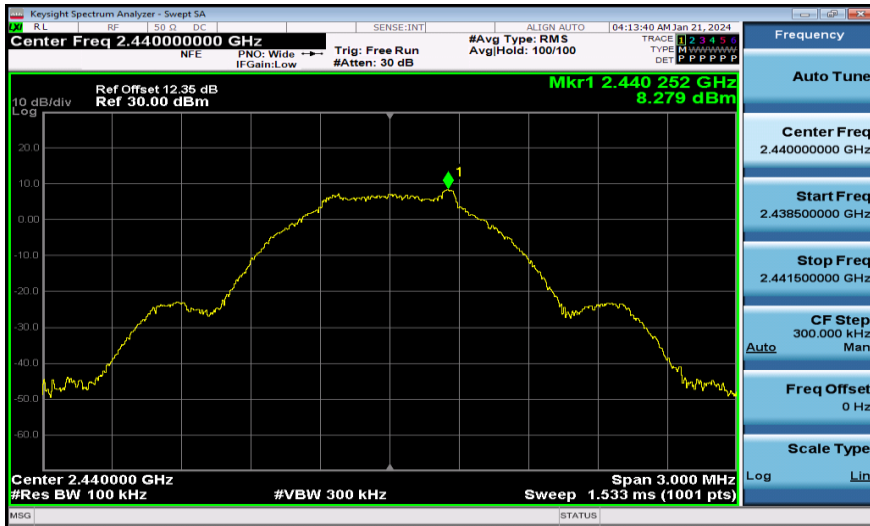
BLE\_1M-Ant1-2402-0~Reference-PASS



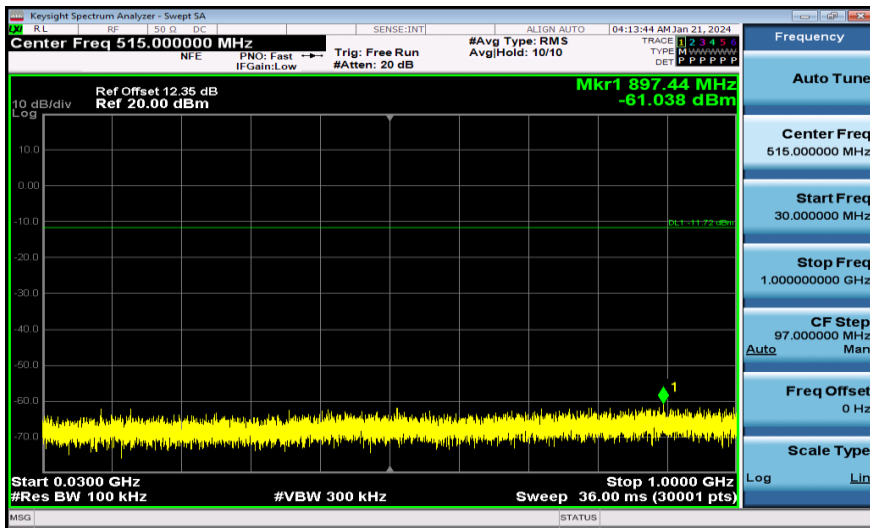
BLE\_1M-Ant1-2402-30~1000-PASS



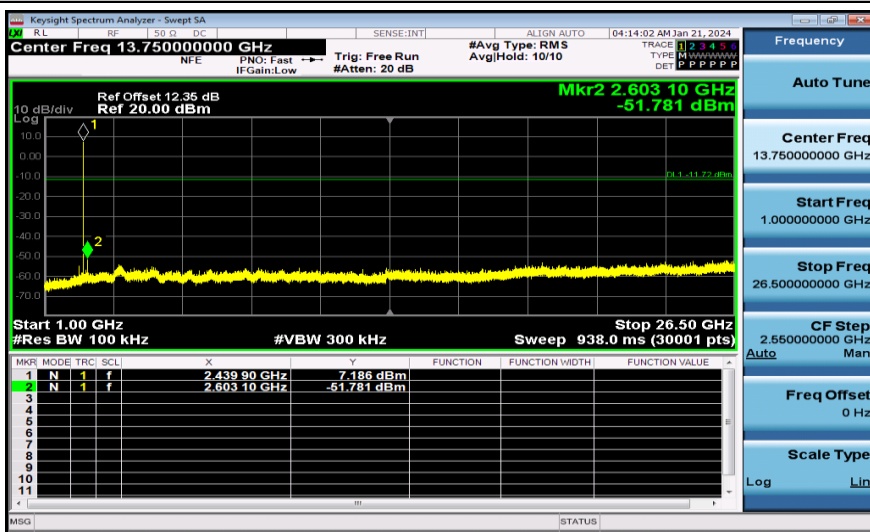
BLE\_1M-Ant1-2402-1000~26500-PASS



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



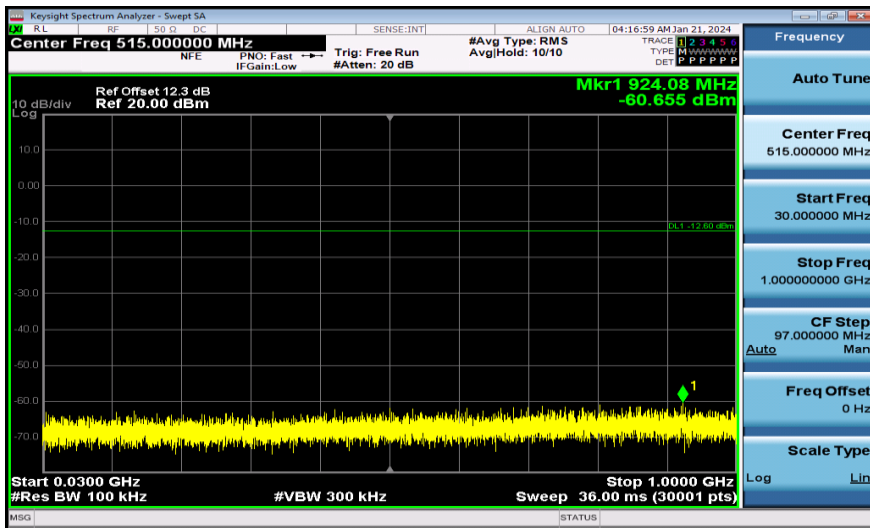
BLE\_1M-Ant1-2440-30~1000-PASS



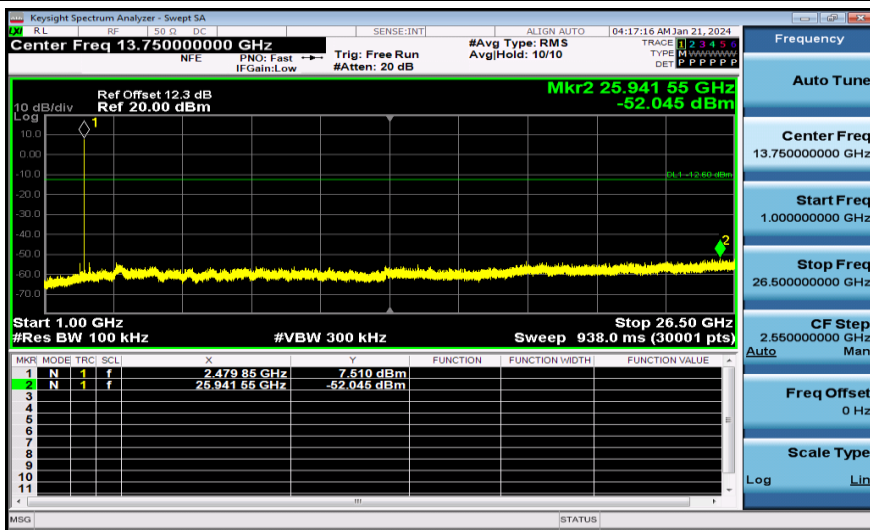
BLE\_1M-Ant1-2440-1000~26500-PASS



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



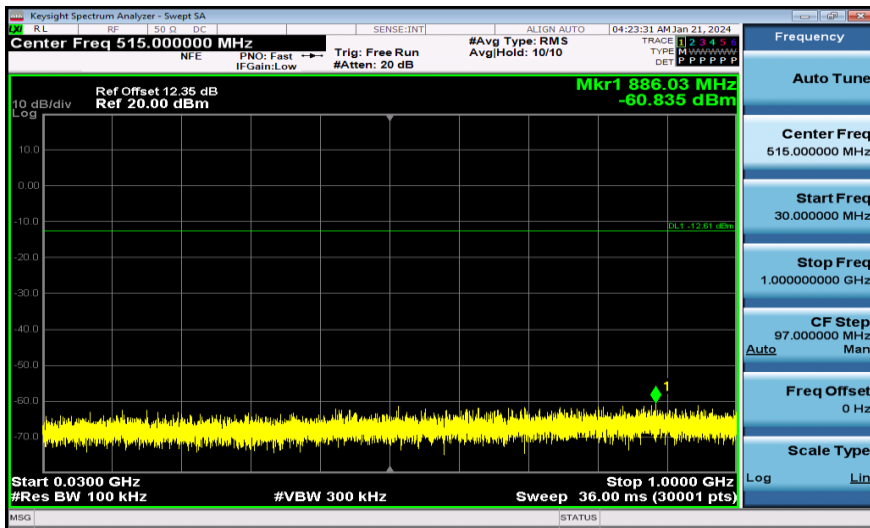
BLE\_1M-Ant1-2480-30~1000-PASS



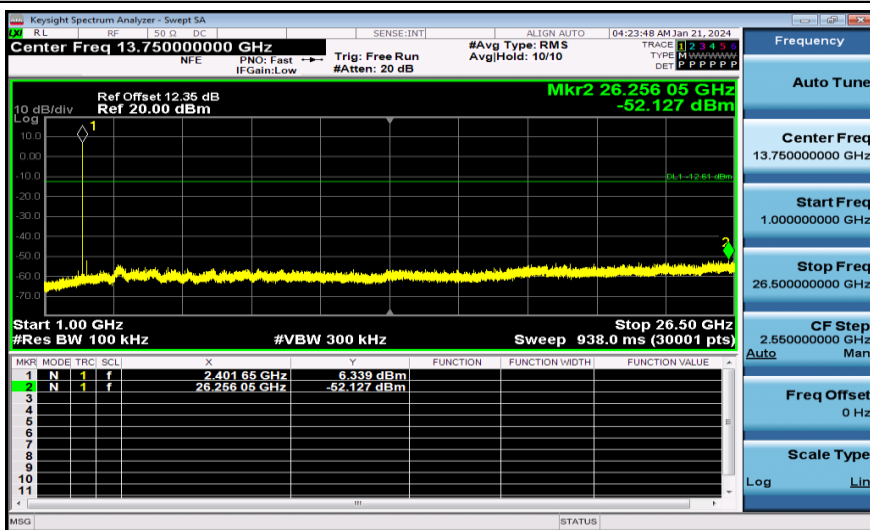
BLE\_1M-Ant1-2480-1000~26500-PASS



BLE\_2M-Ant1-2402-0~Reference-PASS



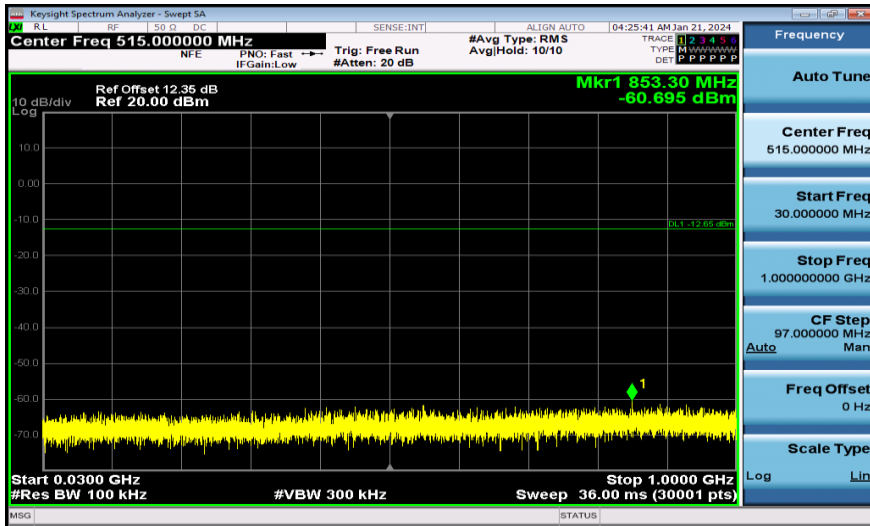
BLE\_2M-Ant1-2402-30~1000-PASS



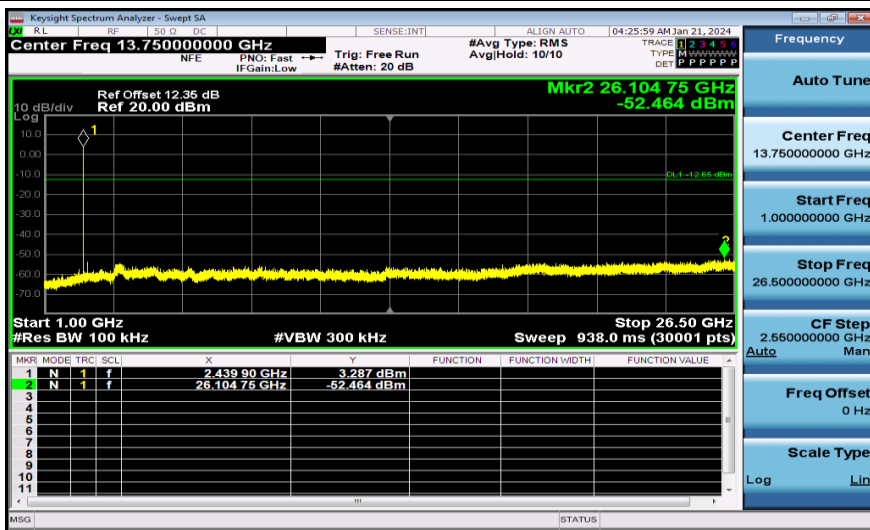
BLE\_2M-Ant1-2402-1000~26500-PASS



BLE\_2M-Ant1-2440-0~Reference-PASS



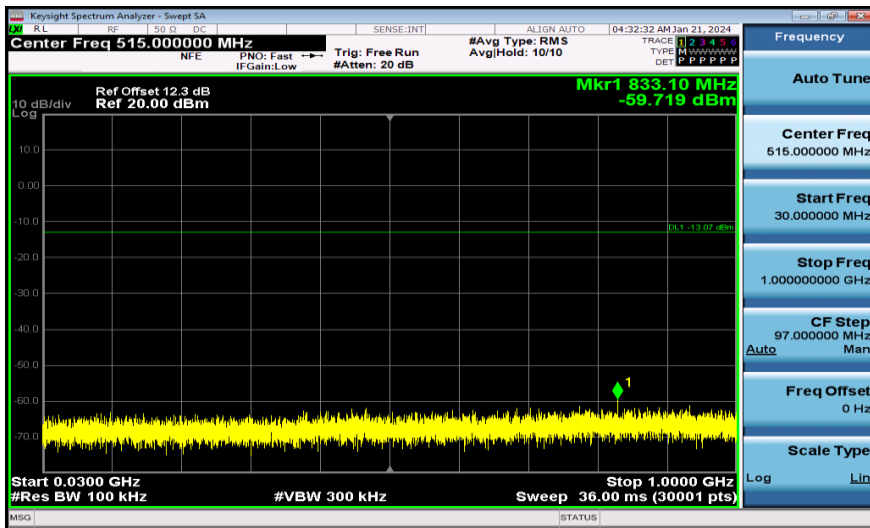
BLE\_2M-Ant1-2440-30~1000-PASS



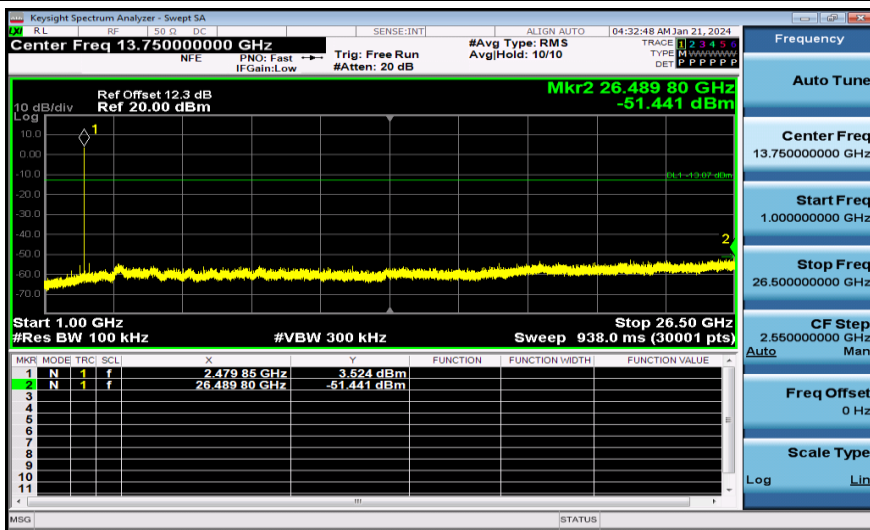
BLE\_2M-Ant1-2440-1000~26500-PASS



BLE\_2M-Ant1-2480-0~Reference-PASS



BLE\_2M-Ant1-2480-30~1000-PASS



BLE\_2M-Ant1-2480-1000~26500-PASS

## Duty Cycle

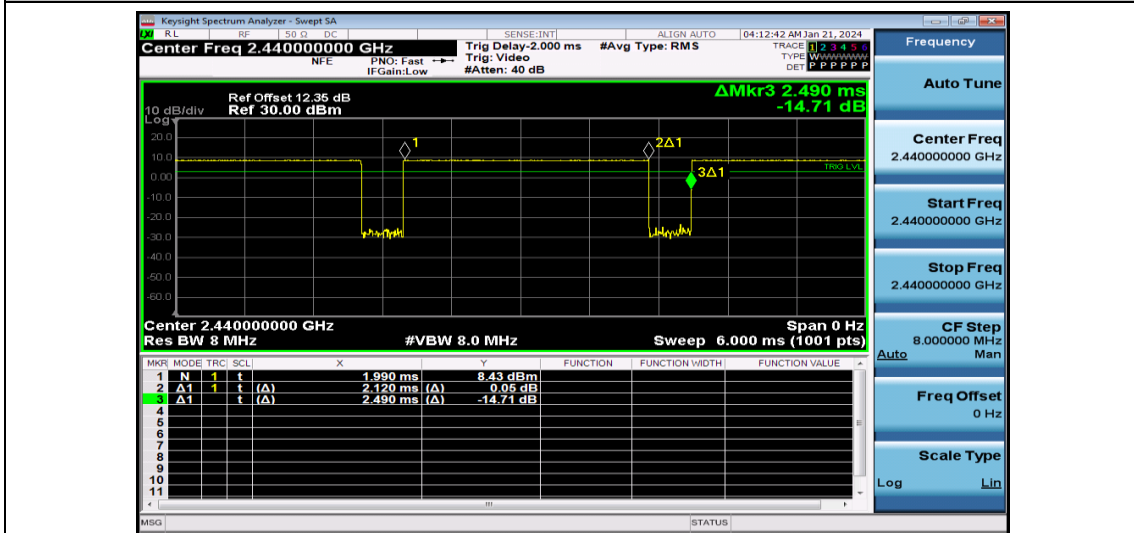
### Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2480	1.07	1.88	56.91	2.45

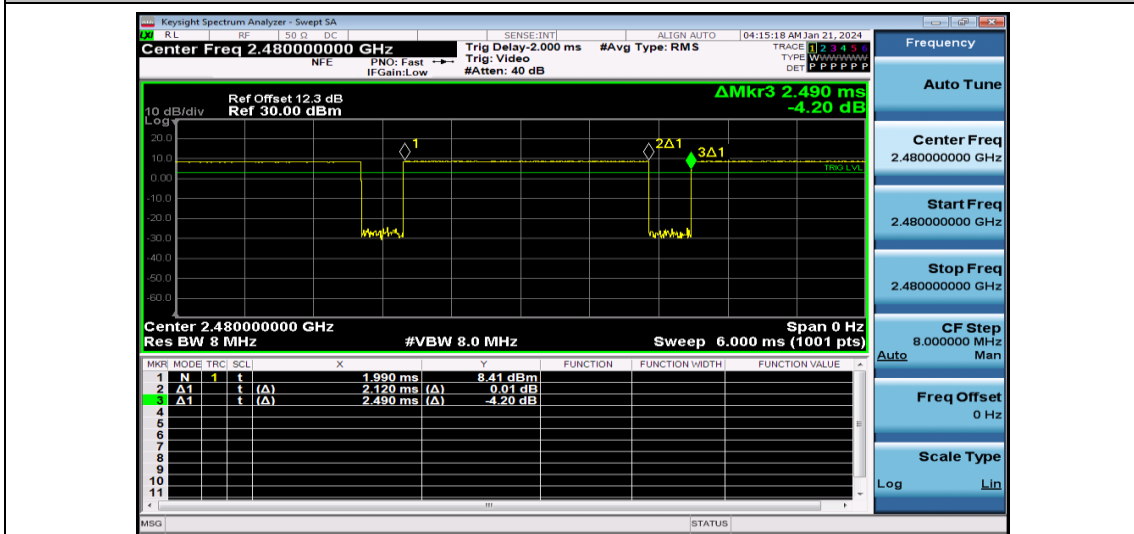
# Test Graphs



NTNV-BLE\_1M-Ant1-2402

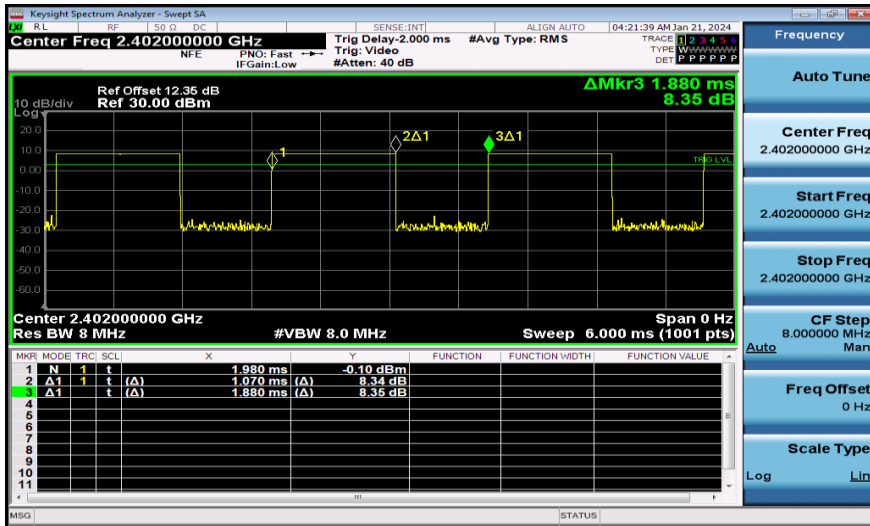


NTNV-BLE\_1M-Ant1-2440

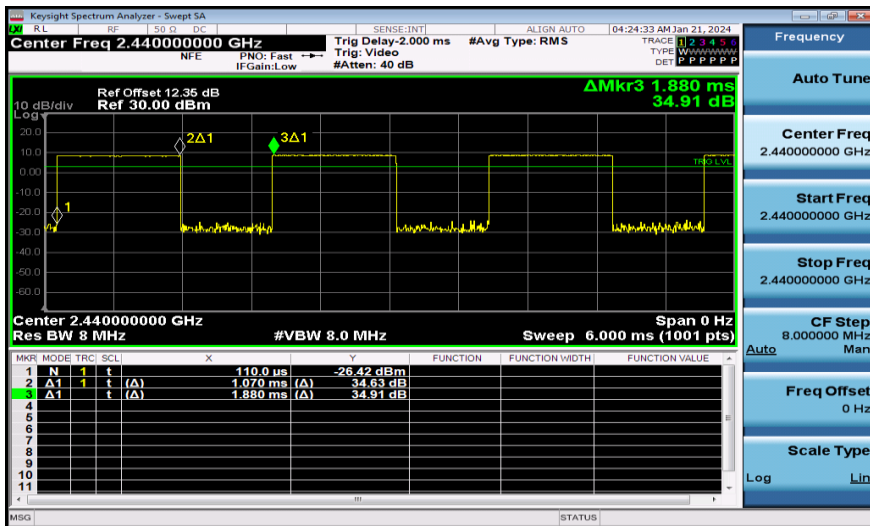


NTNV-BLE\_1M-Ant1-2480

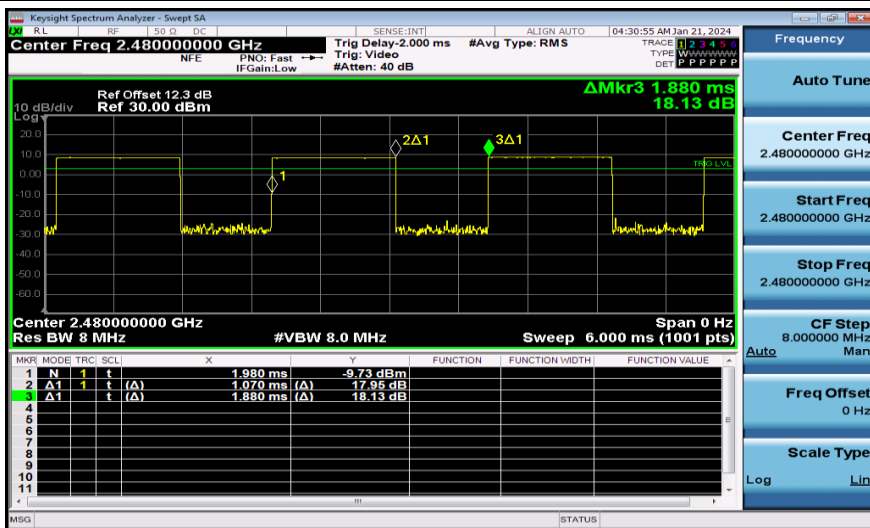




NTNV-BLE\_2M-Ant1-2402



NTNV-BLE\_2M-Ant1-2440



NTNV-BLE\_2M-Ant1-2480