

DTS Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.688	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.644	2439.704	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.660	2479.688	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.104	2401.476	2402.580	0.5	PASS
BLE_2M	Ant1	2440	1.116	2439.480	2440.596	0.5	PASS
BLE_2M	Ant1	2480	1.116	2479.440	2480.556	0.5	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS



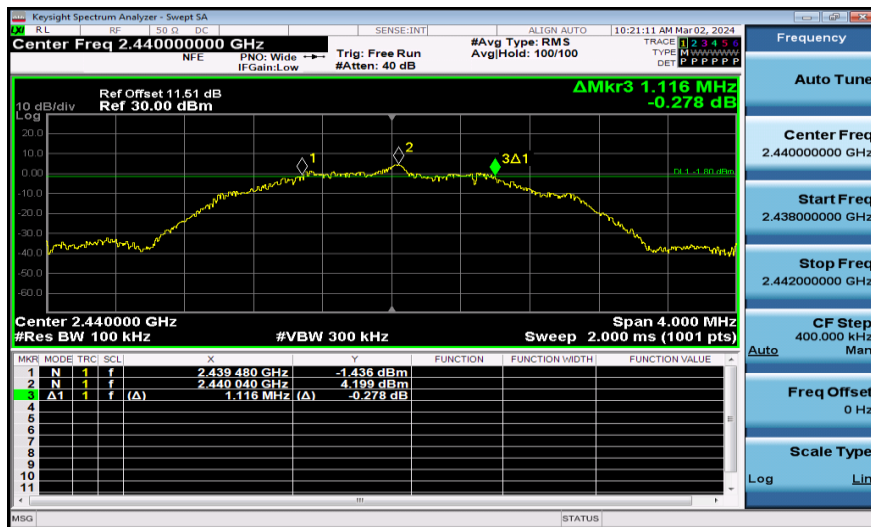
BLE_1M-Ant1-2440-PASS



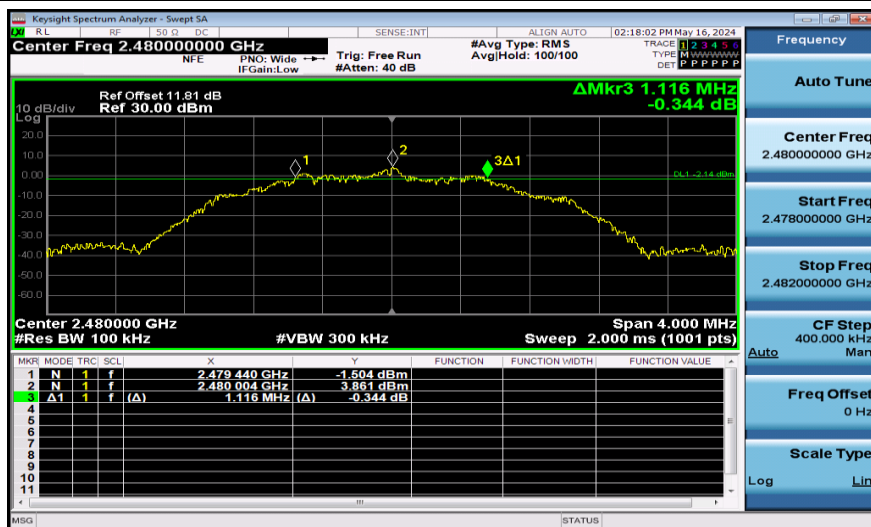
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



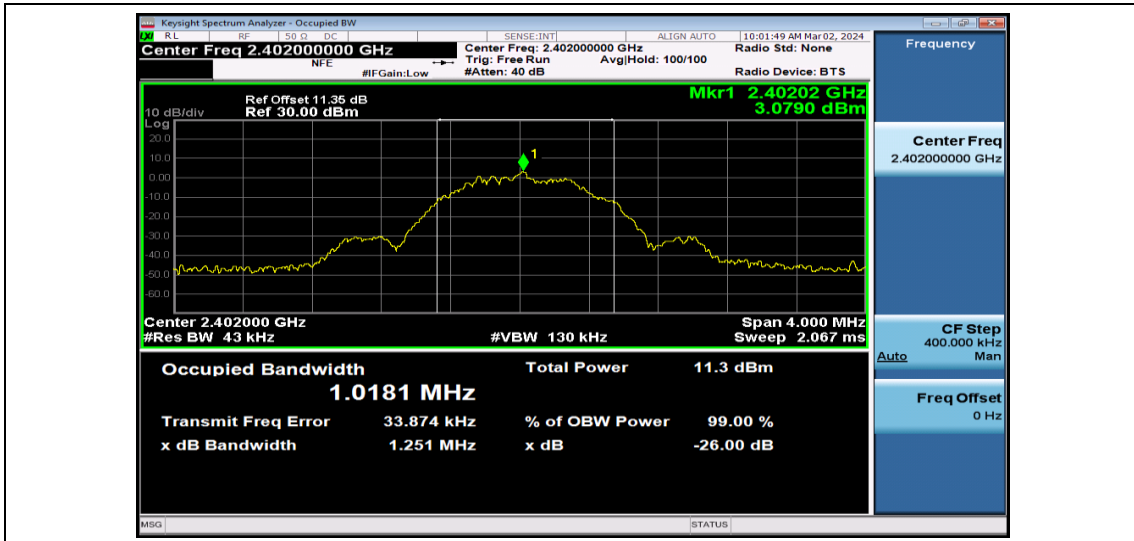
BLE_2M-Ant1-2480-PASS

Occupied Channel Bandwidth

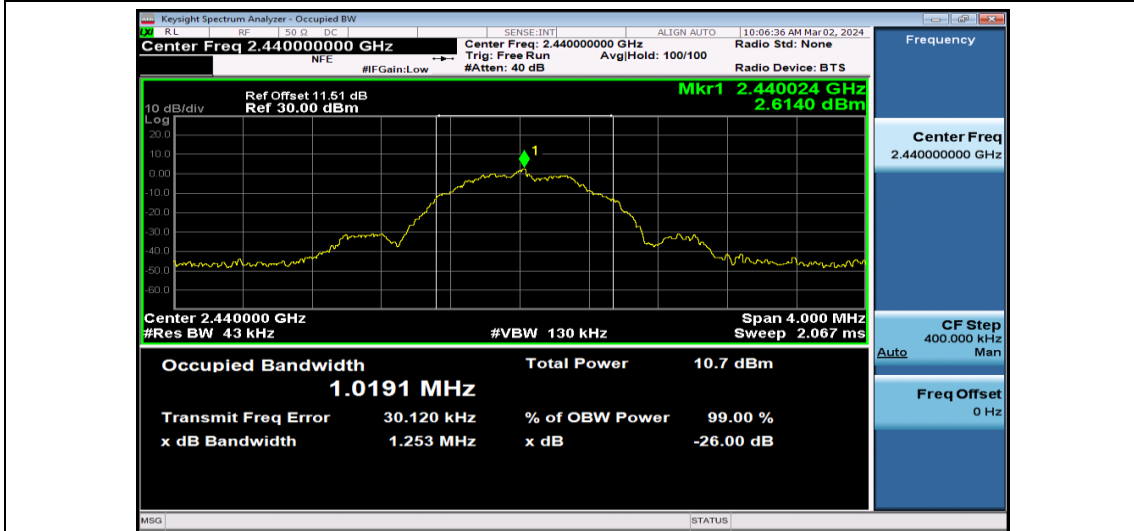
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0181	2401.5248	2402.5429	---	---
BLE_1M	Ant1	2440	1.0191	2439.5206	2440.5397	---	---
BLE_1M	Ant1	2480	1.0149	2479.5203	2480.5352	---	---
BLE_2M	Ant1	2402	2.0047	2401.0410	2403.0457	---	---
BLE_2M	Ant1	2440	2.0101	2439.0383	2441.0484	---	---
BLE_2M	Ant1	2480	2.0073	2479.0060	2481.0133	---	---

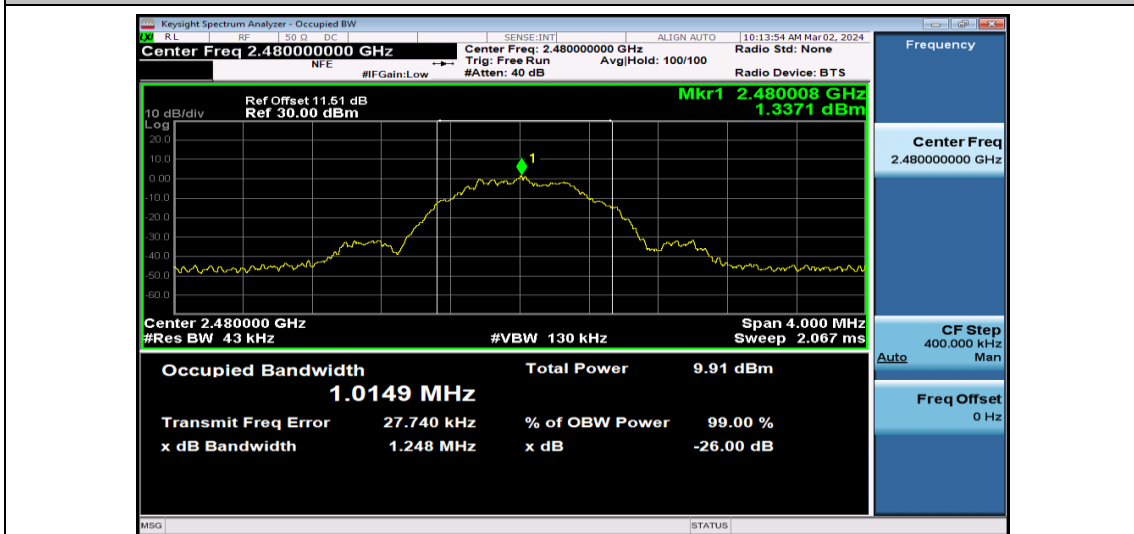
Test Graphs



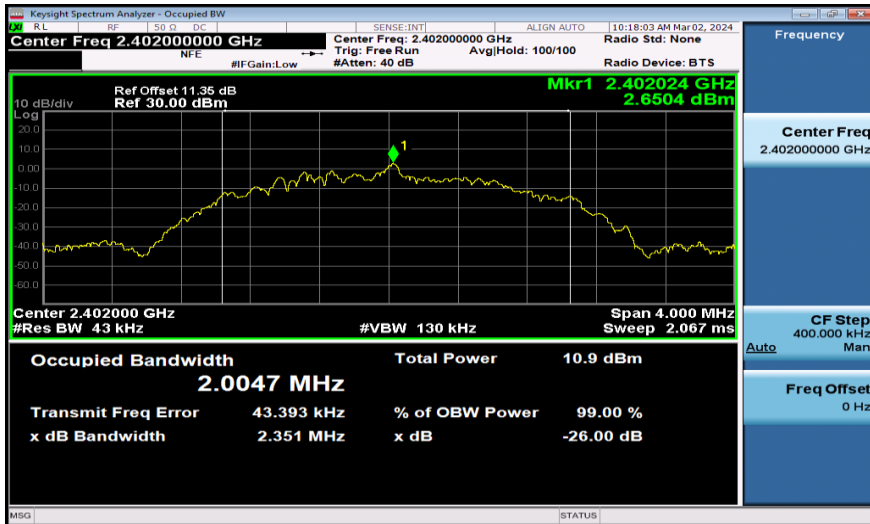
BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



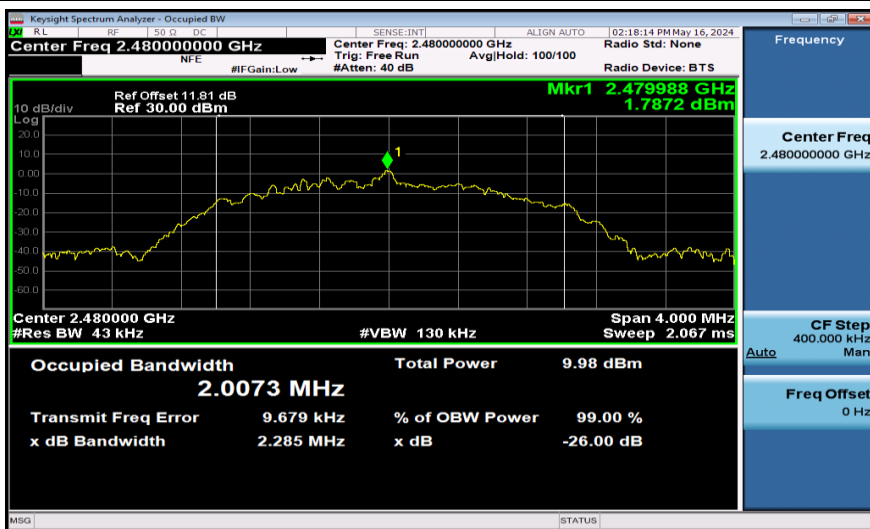
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



BLE_2M-Ant1-2480

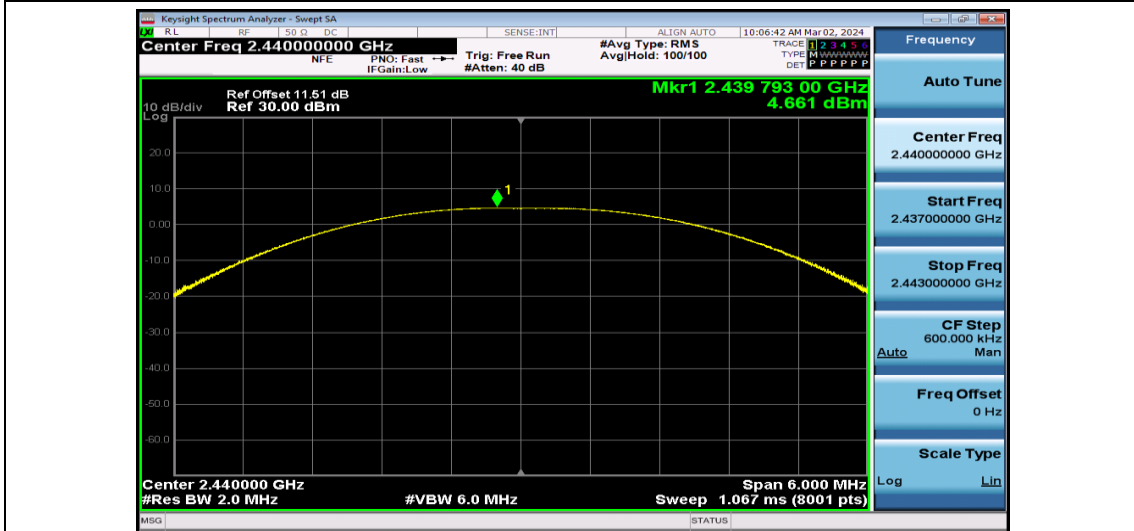
Maximum conducted output power**Test Result Peak**

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.16	≤30	8.36	≤36	PASS
BLE_1M	Ant1	2440	4.66	≤30	7.86	≤36	PASS
BLE_1M	Ant1	2480	3.74	≤30	6.94	≤36	PASS
BLE_2M	Ant1	2402	5.24	≤30	8.44	≤36	PASS
BLE_2M	Ant1	2440	4.74	≤30	7.94	≤36	PASS
BLE_2M	Ant1	2480	4.40	≤30	7.60	≤36	PASS

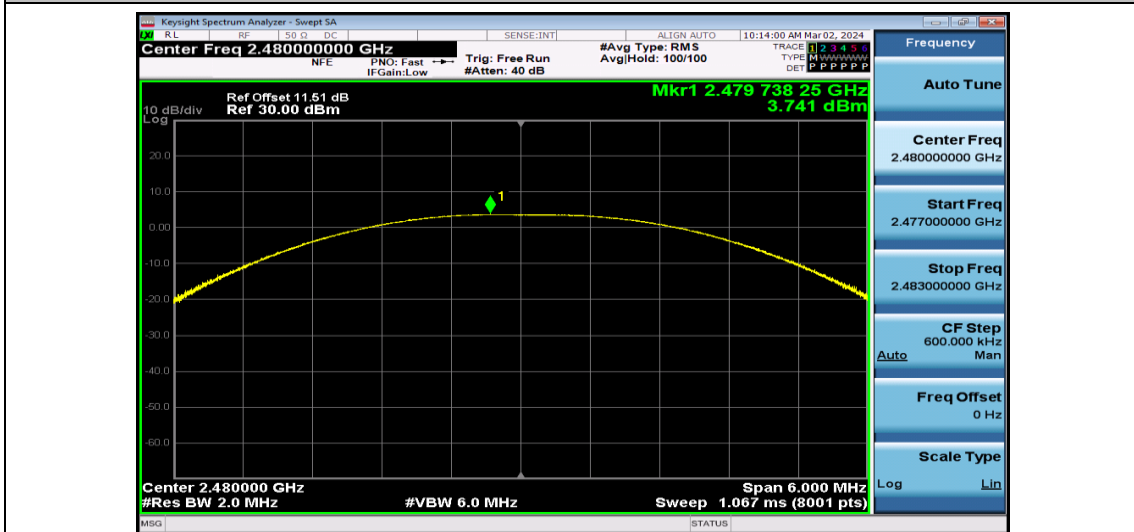
Test Graphs Peak



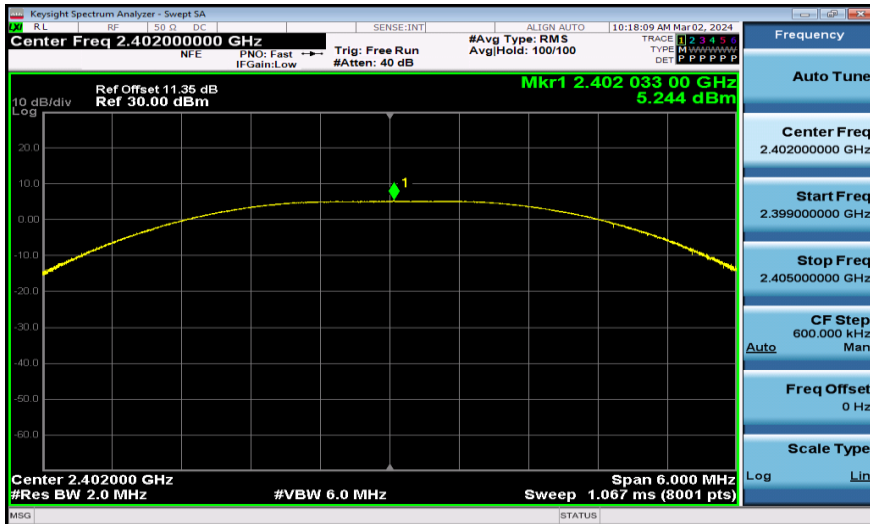
BLE_1M-Ant1-2402-PASS



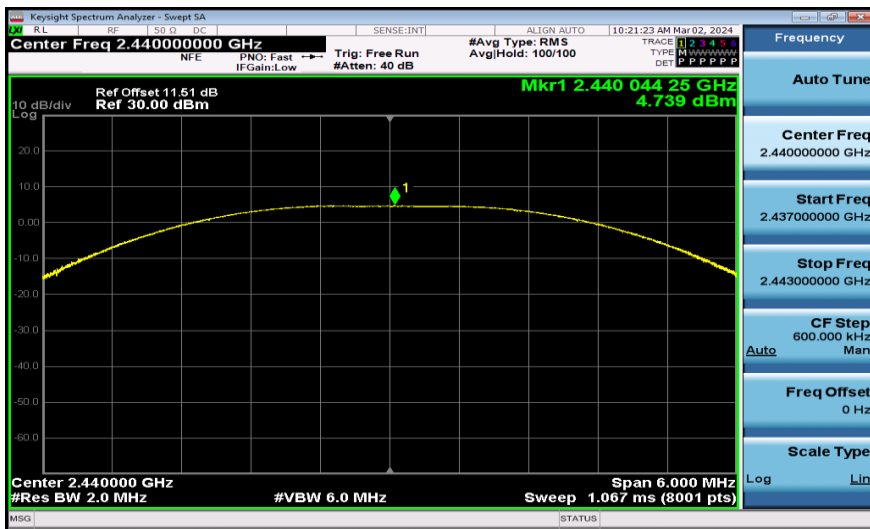
BLE_1M-Ant1-2440-PASS



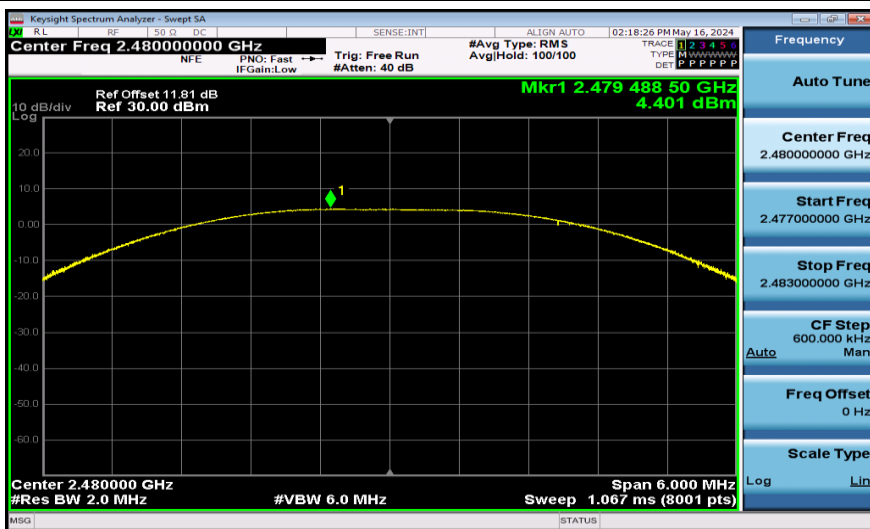
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS

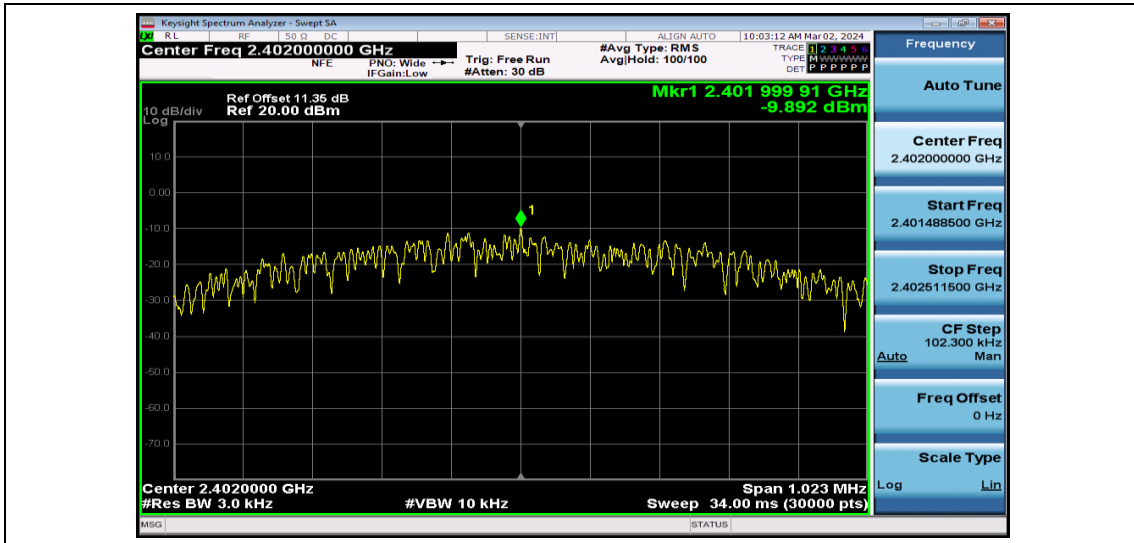


BLE_2M-Ant1-2480-PASS

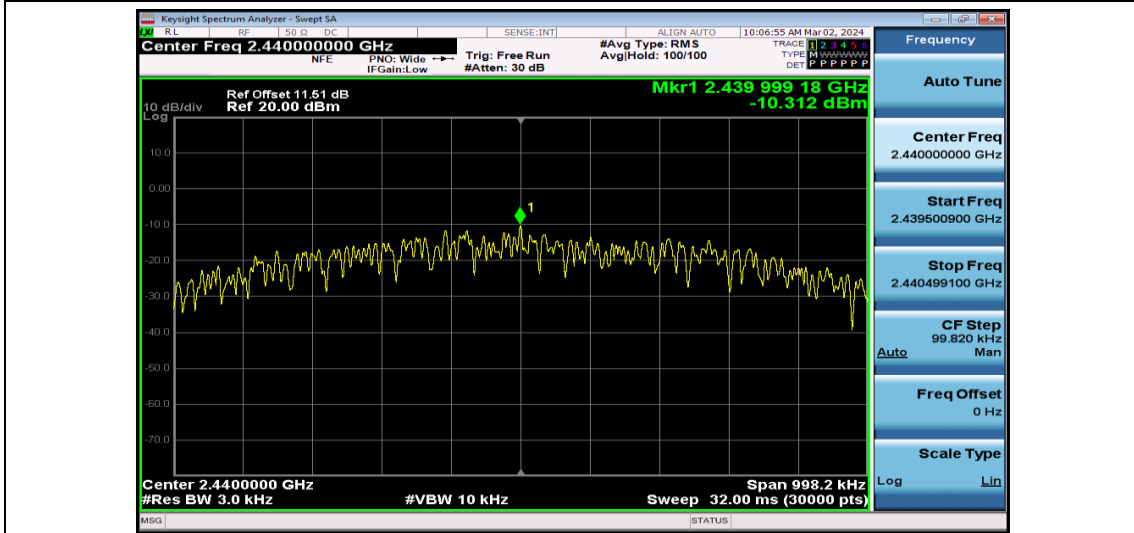
Maximum power spectral density**Test Result**

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.89	≤8.00	PASS
BLE_1M	Ant1	2440	-10.31	≤8.00	PASS
BLE_1M	Ant1	2480	-11.33	≤8.00	PASS
BLE_2M	Ant1	2402	-12.83	≤8.00	PASS
BLE_2M	Ant1	2440	-13.20	≤8.00	PASS
BLE_2M	Ant1	2480	-13.67	≤8.00	PASS

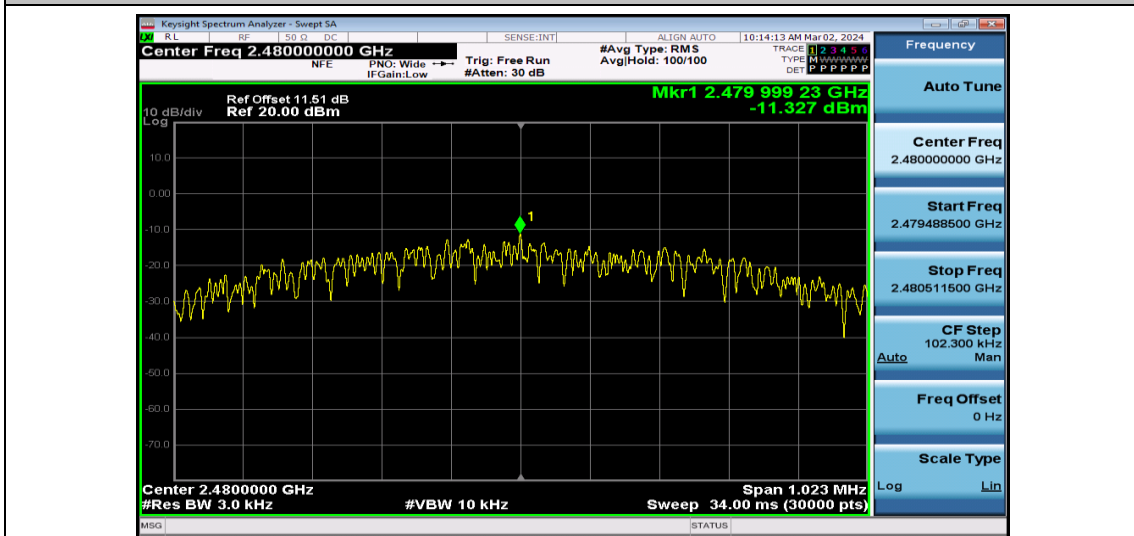
Test Graphs



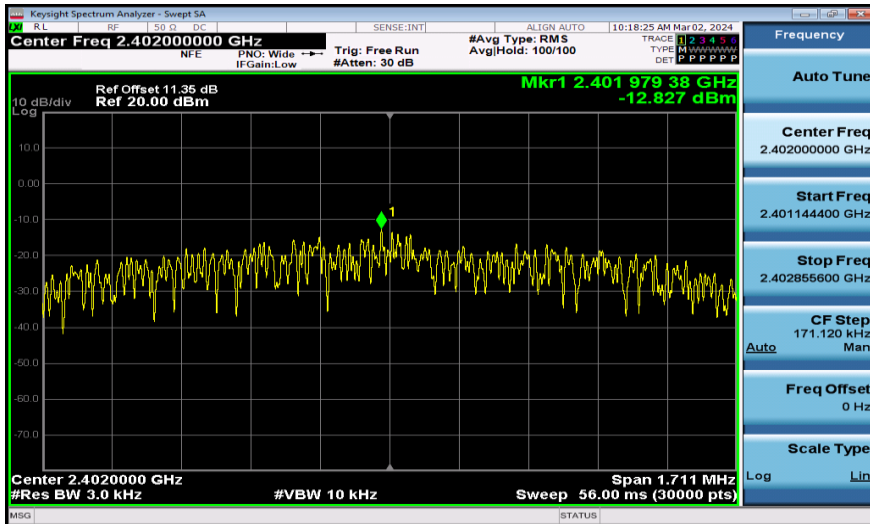
BLE_1M-Ant1-2402-PASS



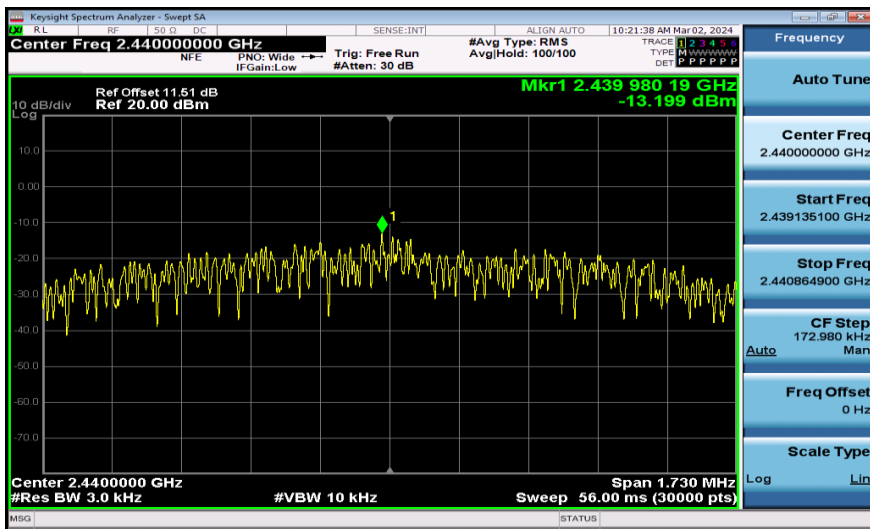
BLE_1M-Ant1-2440-PASS



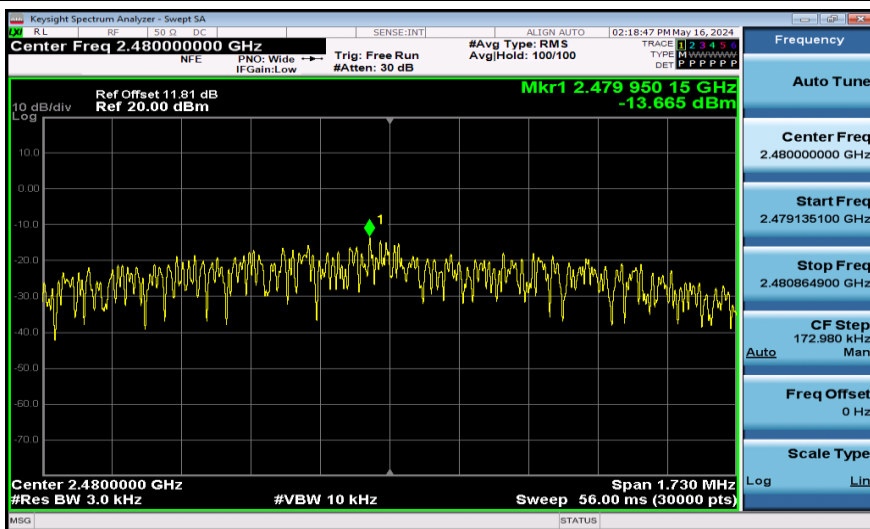
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS

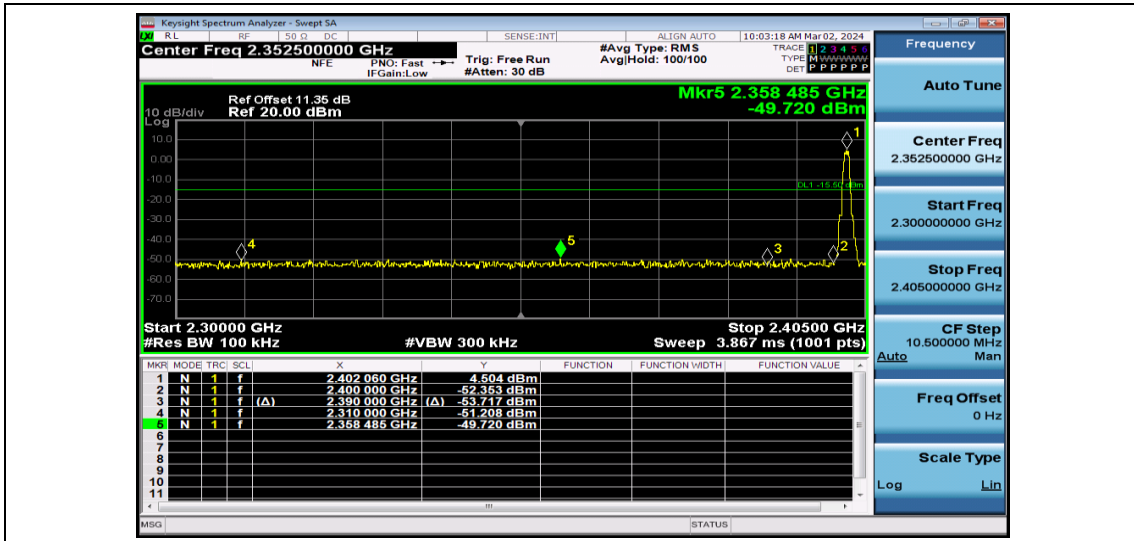


BLE_2M-Ant1-2480-PASS

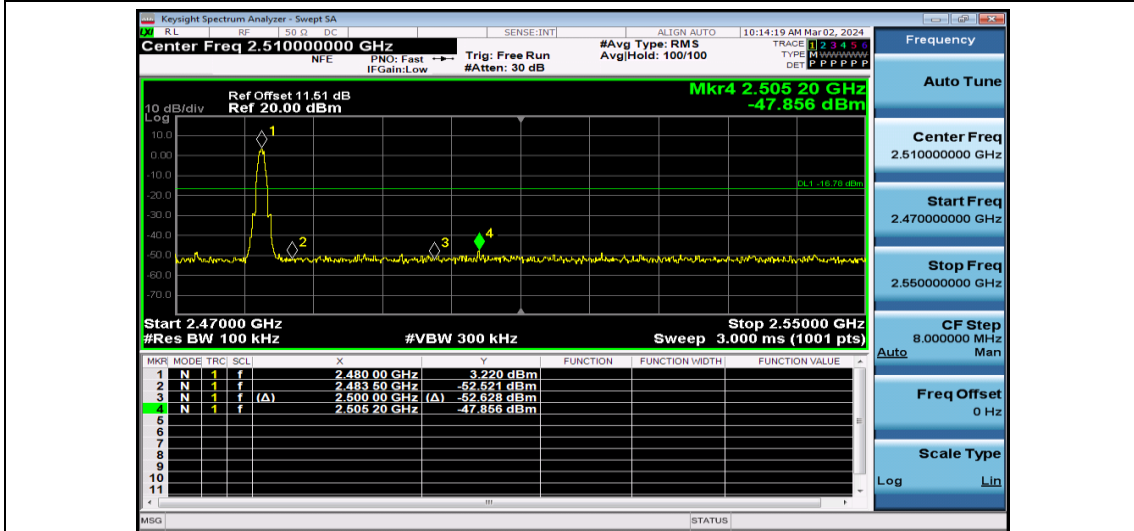
Band edge measurements**Test Result**

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.50	-49.72	≤-15.5	PASS
BLE_1M	Ant1	High	2480	3.22	-47.86	≤-16.78	PASS
BLE_2M	Ant1	Low	2402	4.75	-35.07	≤-15.25	PASS
BLE_2M	Ant1	High	2480	1.49	-48.77	≤-18.51	PASS

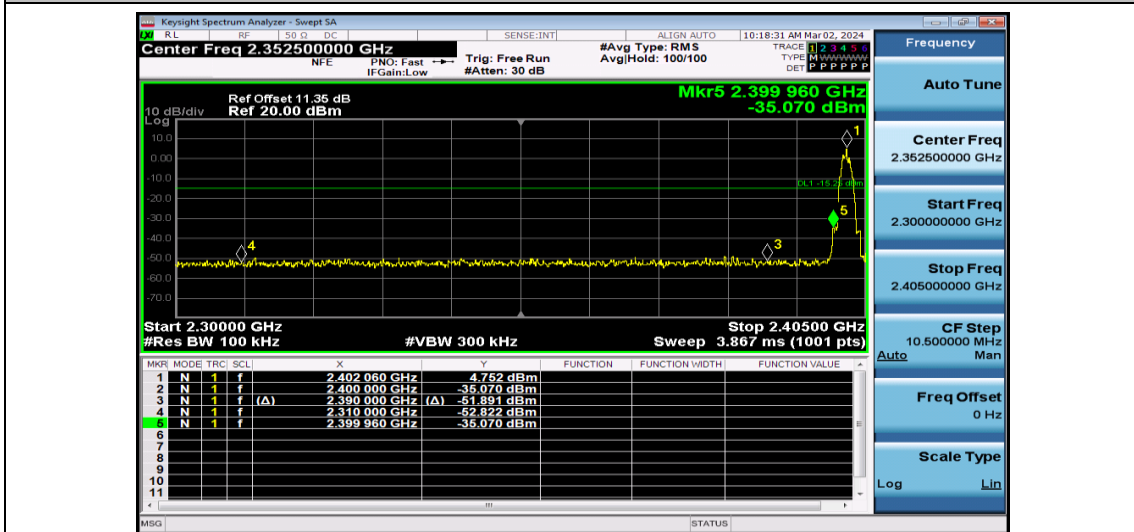
Test Graphs



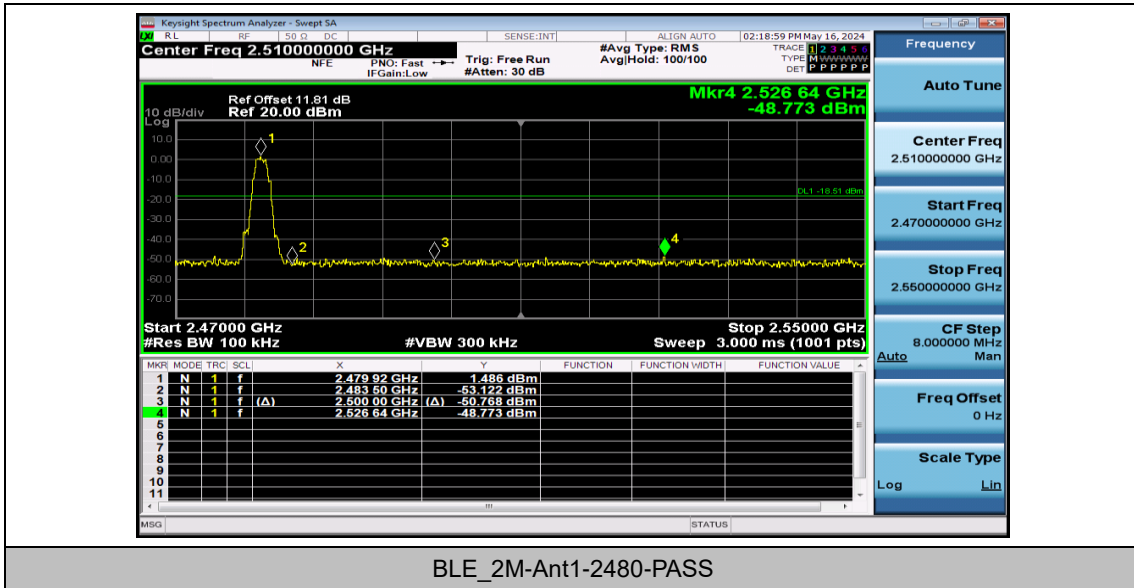
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



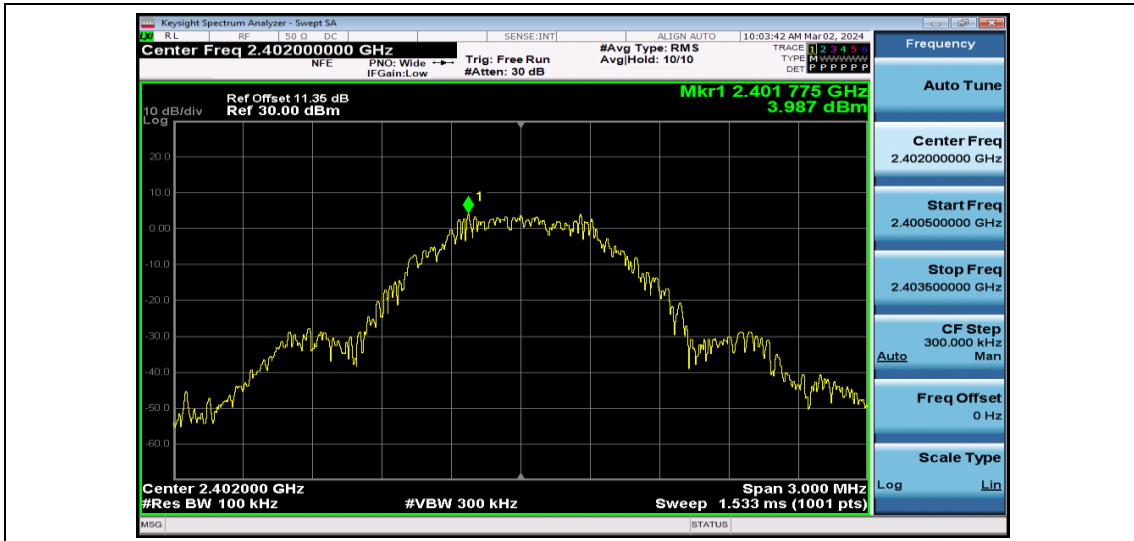
BLE_2M-Ant1-2480-PASS

Conducted Spurious Emission

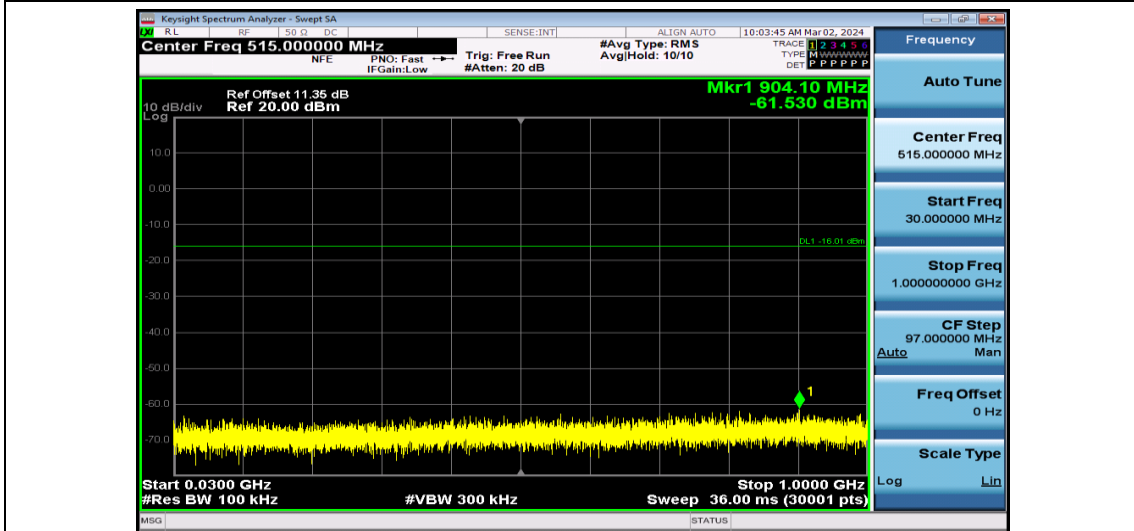
Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.99	3.99	---	PASS
BLE_1M	Ant1	2402	30~1000	3.99	-61.53	≤-16.01	PASS
BLE_1M	Ant1	2402	1000~26500	3.99	-52.73	≤-16.01	PASS
BLE_1M	Ant1	2440	0~Reference	3.90	3.90	---	PASS
BLE_1M	Ant1	2440	30~1000	3.90	-61.94	≤-16.1	PASS
BLE_1M	Ant1	2440	1000~26500	3.90	-52.67	≤-16.1	PASS
BLE_1M	Ant1	2480	0~Reference	2.84	2.84	---	PASS
BLE_1M	Ant1	2480	30~1000	2.84	-59.8	≤-17.16	PASS
BLE_1M	Ant1	2480	1000~26500	2.84	-52.02	≤-17.16	PASS
BLE_2M	Ant1	2402	0~Reference	4.78	4.78	---	PASS
BLE_2M	Ant1	2402	30~1000	4.78	-61.6	≤-15.22	PASS
BLE_2M	Ant1	2402	1000~26500	4.78	-52.29	≤-15.22	PASS
BLE_2M	Ant1	2440	0~Reference	4.32	4.32	---	PASS
BLE_2M	Ant1	2440	30~1000	4.32	-61.42	≤-15.68	PASS
BLE_2M	Ant1	2440	1000~26500	4.32	-51.3	≤-15.68	PASS
BLE_2M	Ant1	2480	0~Reference	3.33	3.33	---	PASS
BLE_2M	Ant1	2480	30~1000	3.33	-61.23	≤-16.67	PASS
BLE_2M	Ant1	2480	1000~26500	3.33	-52.05	≤-16.67	PASS

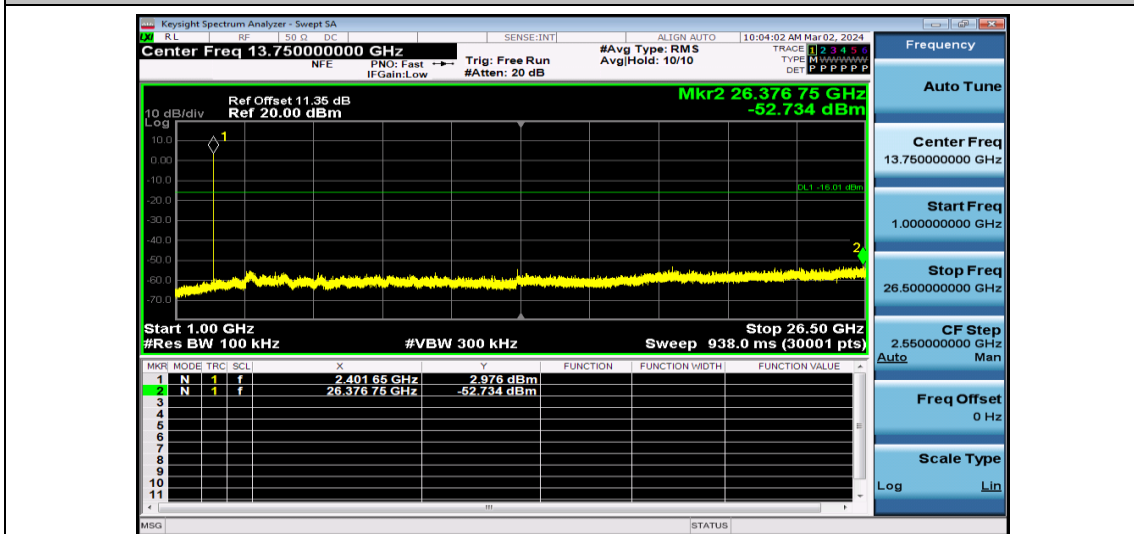
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



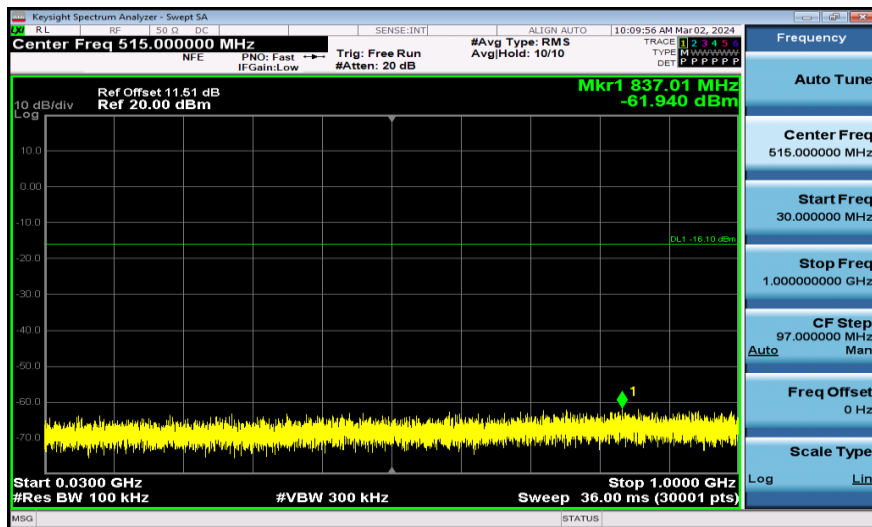
BLE_1M-Ant1-2402-30~1000-PASS



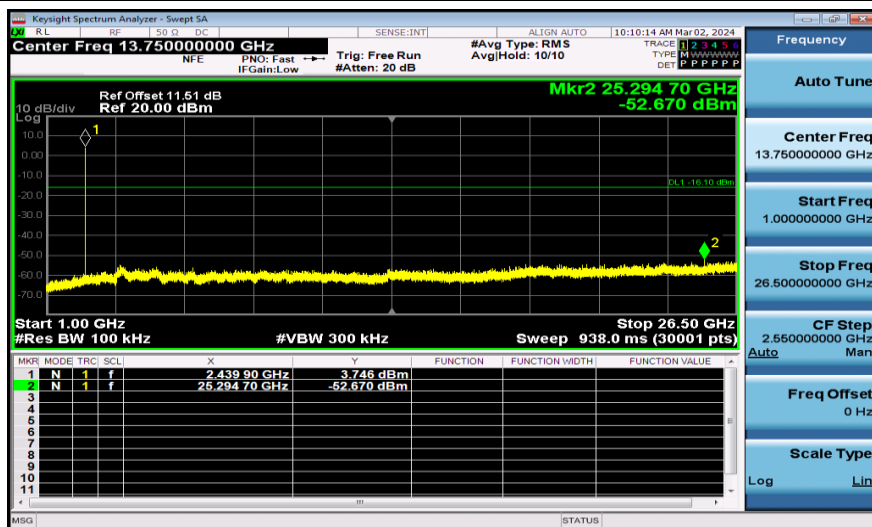
BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS



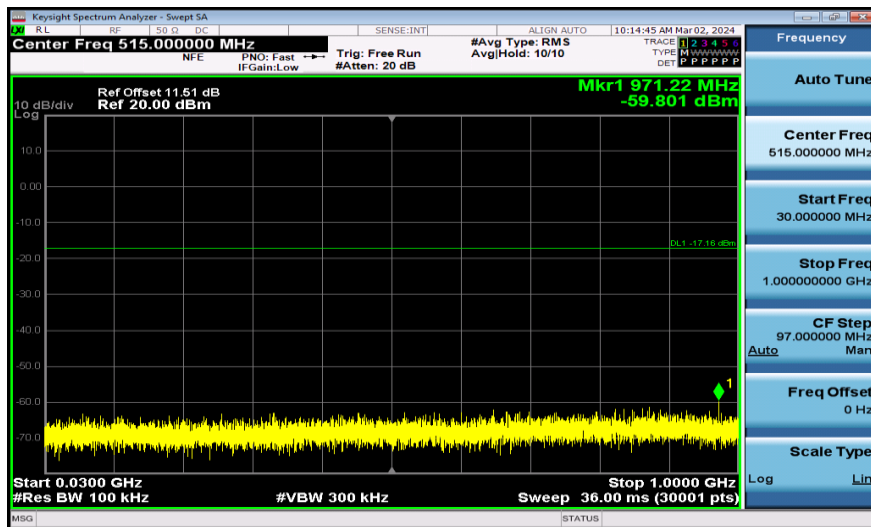
BLE_1M-Ant1-2440-30~1000-PASS



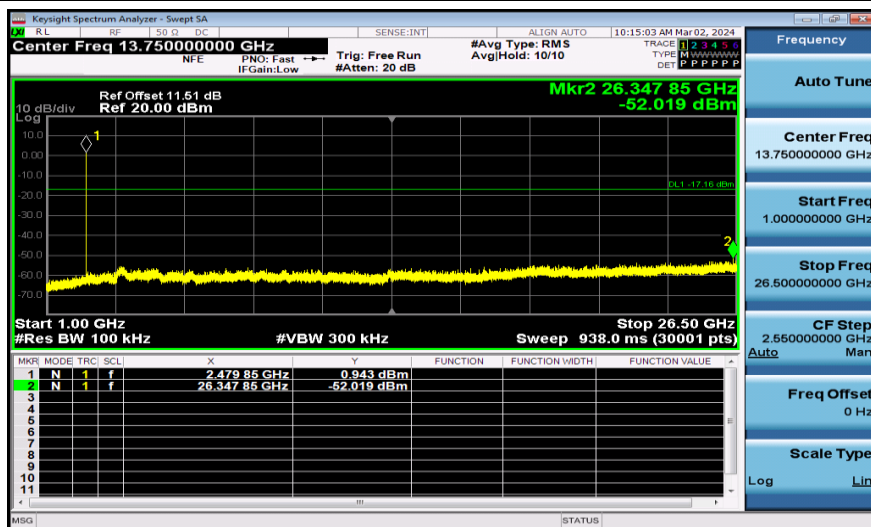
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



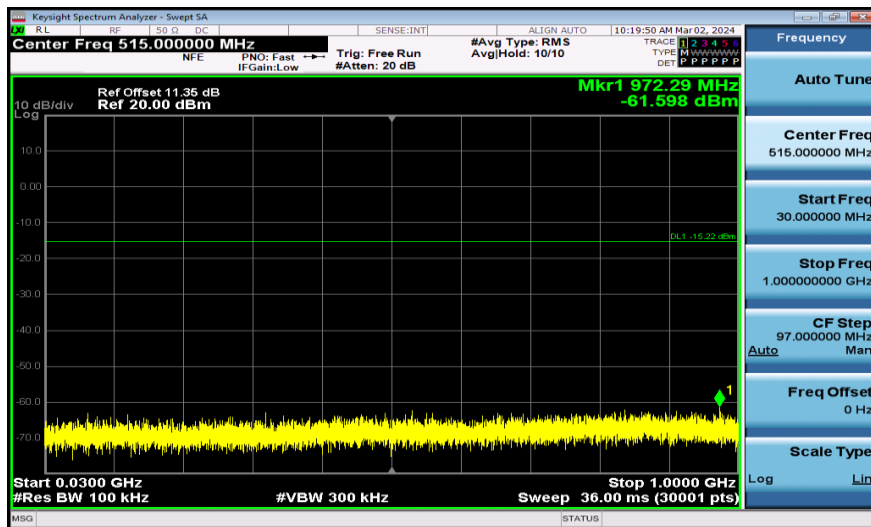
BLE_1M-Ant1-2480-30~1000-PASS



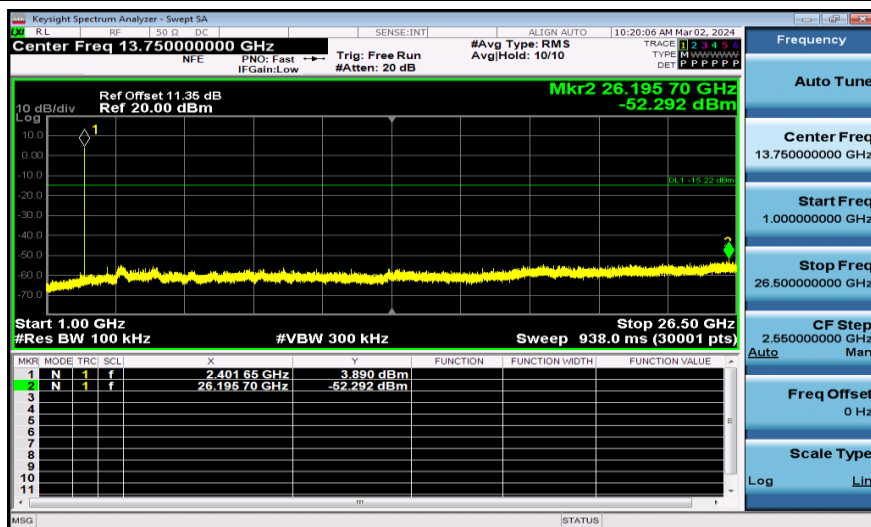
BLE_1M-Ant1-2480-1000~26500-PASS



BLE_2M-Ant1-2402-0~Reference-PASS



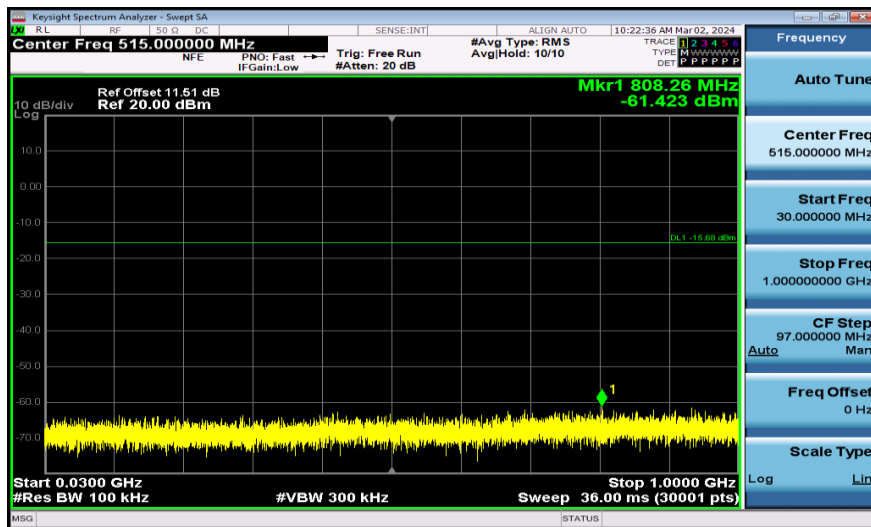
BLE_2M-Ant1-2402-30~1000-PASS



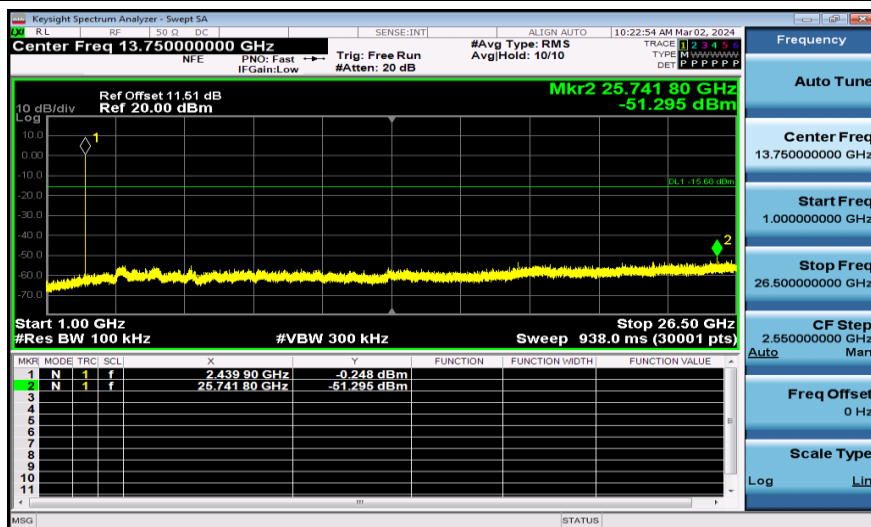
BLE_2M-Ant1-2402-1000~26500-PASS



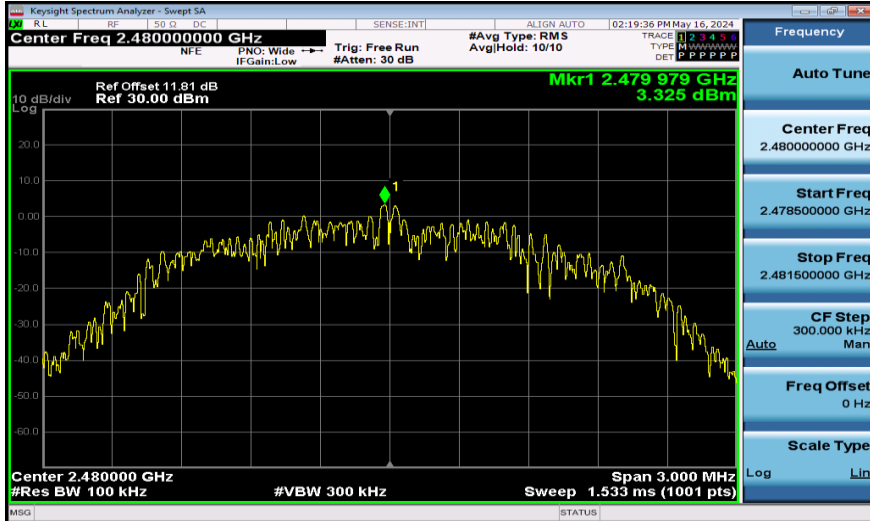
BLE_2M-Ant1-2440-0~Reference-PASS



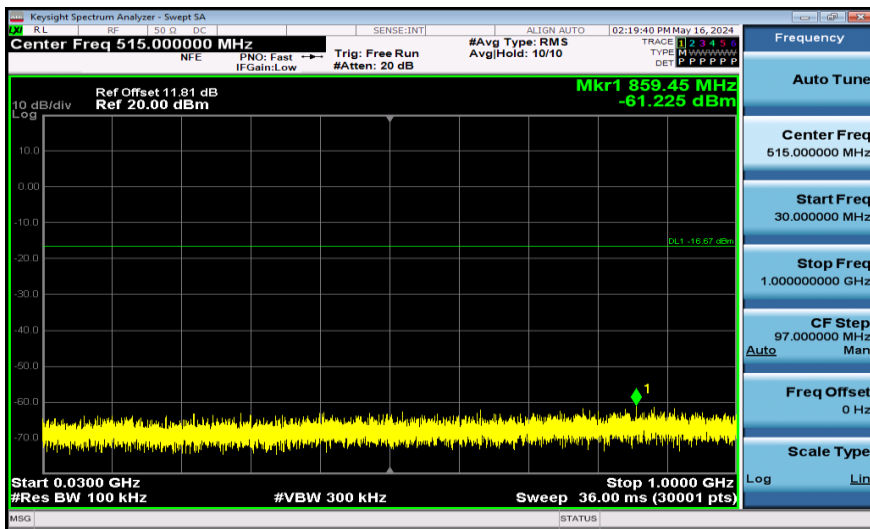
BLE_2M-Ant1-2440-30~1000-PASS



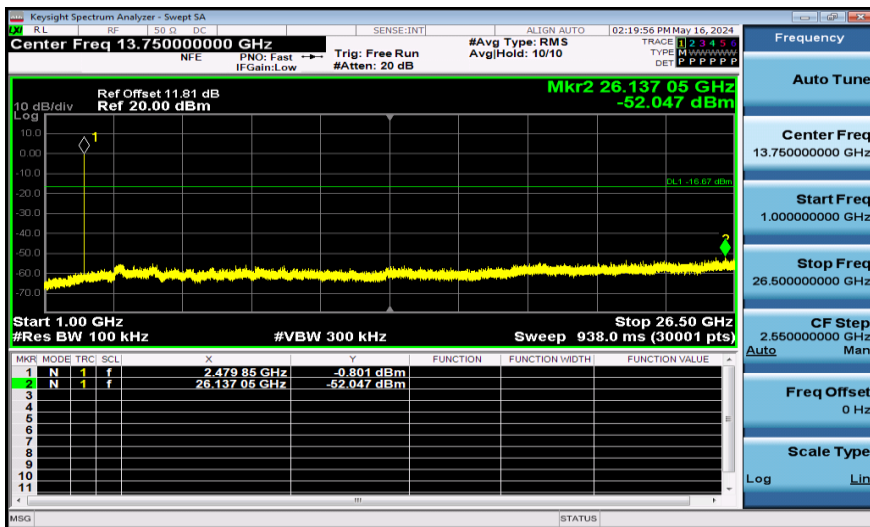
BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS

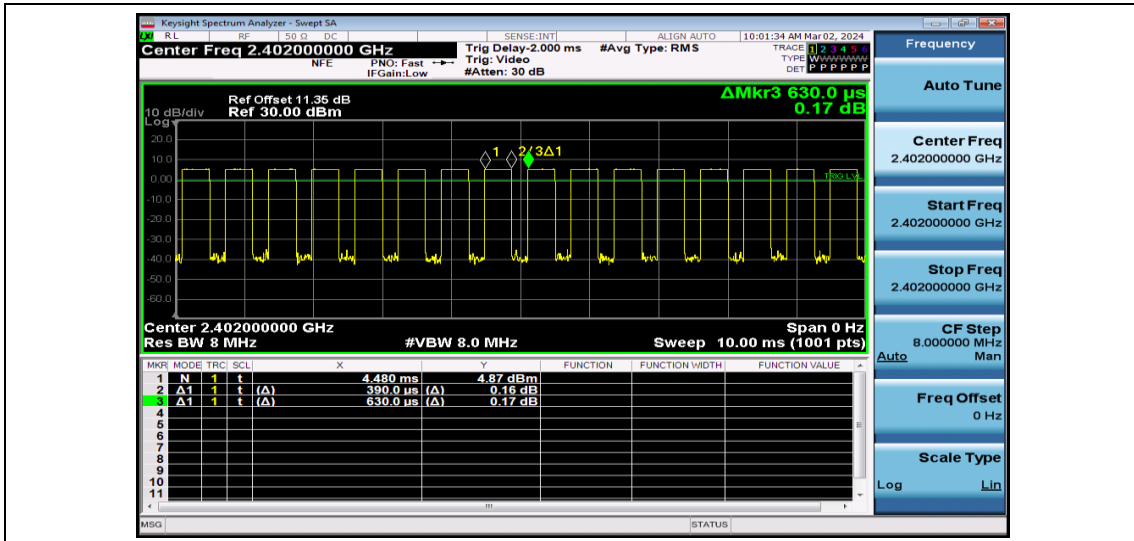


BLE_2M-Ant1-2480-1000~26500-PASS

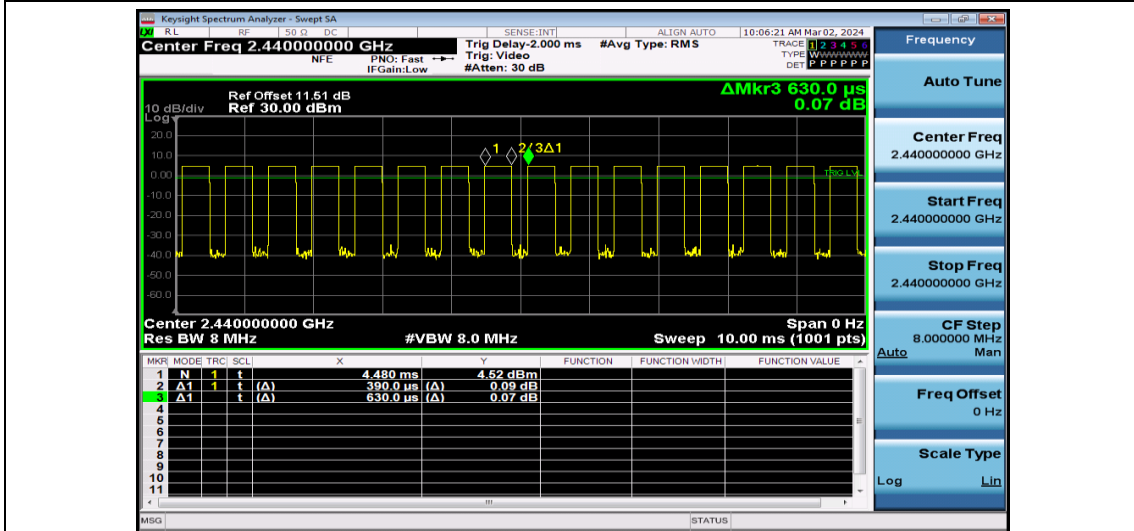
Duty Cycle**Test Result**

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08
BLE_2M	Ant1	2402	0.20	0.62	32.26	4.91
BLE_2M	Ant1	2440	0.21	0.63	33.33	4.77
BLE_2M	Ant1	2480	0.21	0.63	33.33	4.77

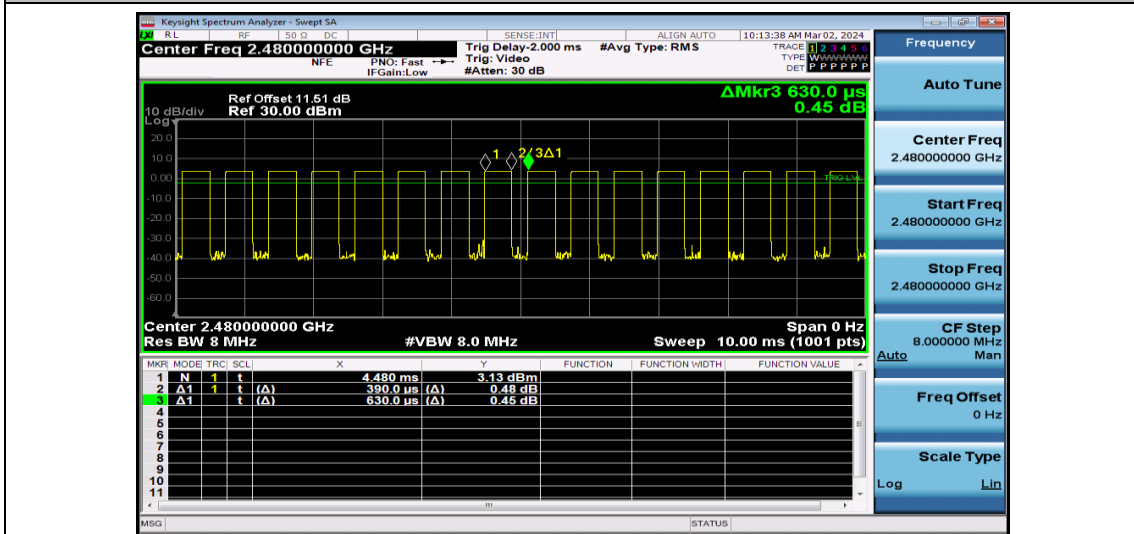
Test Graphs



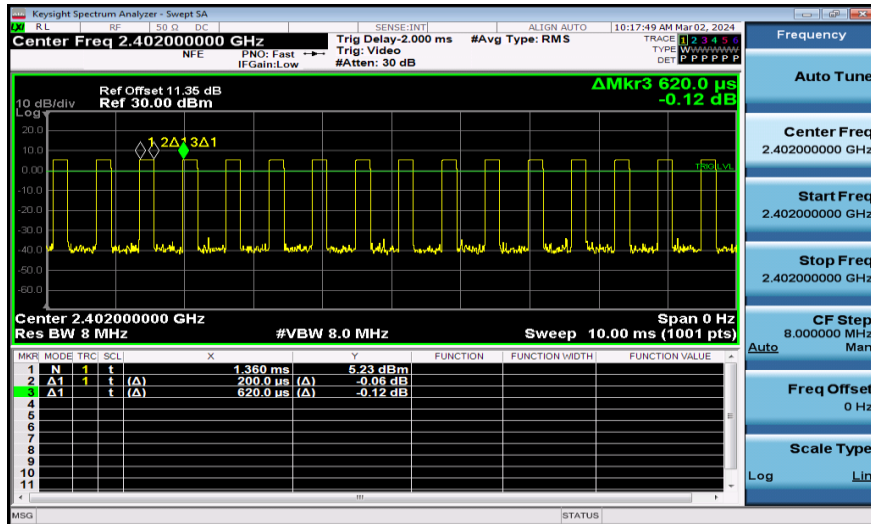
NTNV-BLE_1M-Ant1-2402



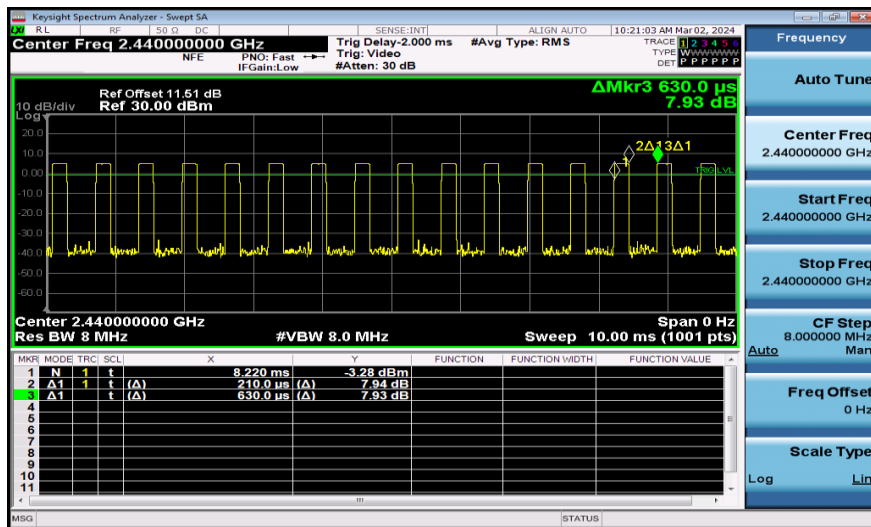
NTNV-BLE_1M-Ant1-2440



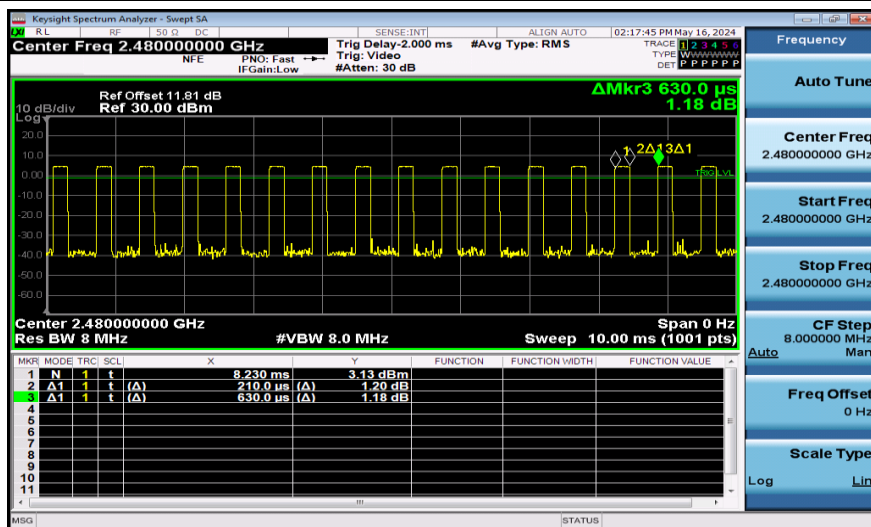
NTNV-BLE_1M-Ant1-2480



NTNV-BLE_2M-Ant1-2402



NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480