

DTS Bandwidth

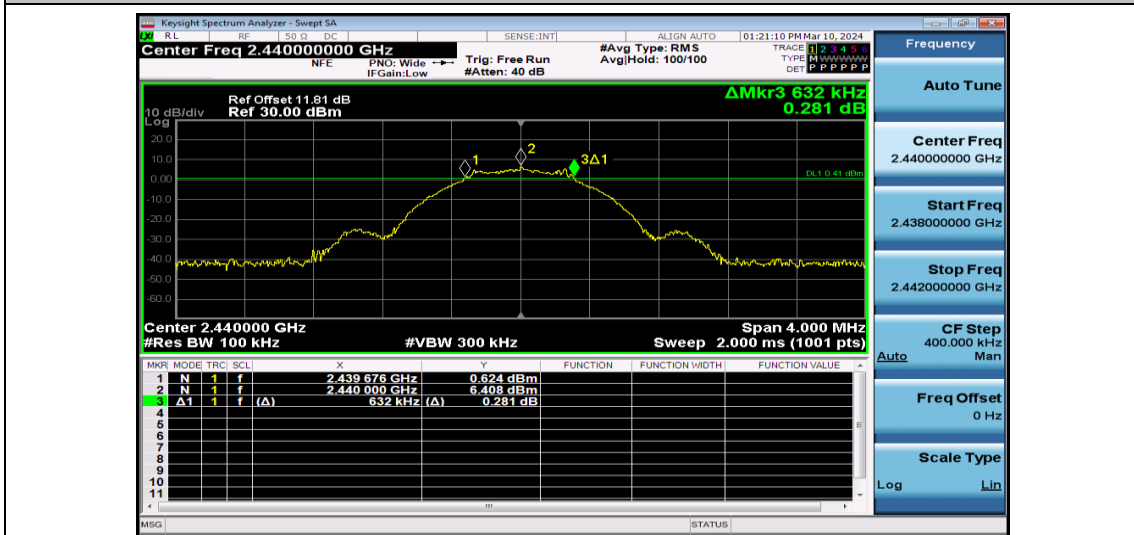
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.596	2401.696	2402.292	0.5	PASS
BLE_1M	Ant1	2440	0.632	2439.676	2440.308	0.5	PASS
BLE_1M	Ant1	2480	0.640	2479.672	2480.312	0.5	PASS
BLE_2M	Ant1	2402	1.112	2401.440	2402.552	0.5	PASS
BLE_2M	Ant1	2440	1.068	2439.452	2440.520	0.5	PASS
BLE_2M	Ant1	2480	1.100	2479.456	2480.556	0.5	PASS

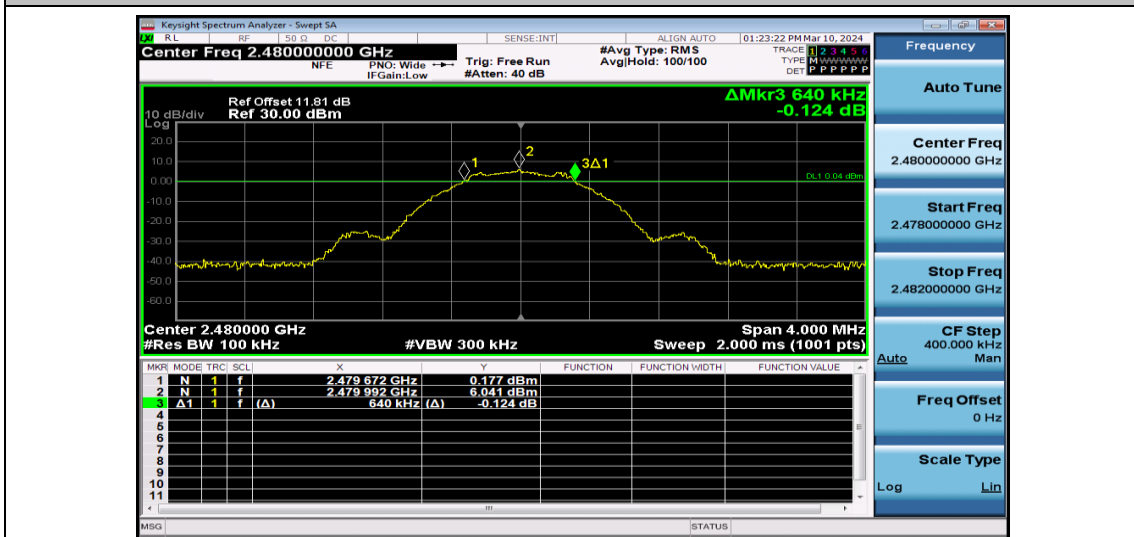
Test Graphs



BLE_1M-Ant1-2402-PASS



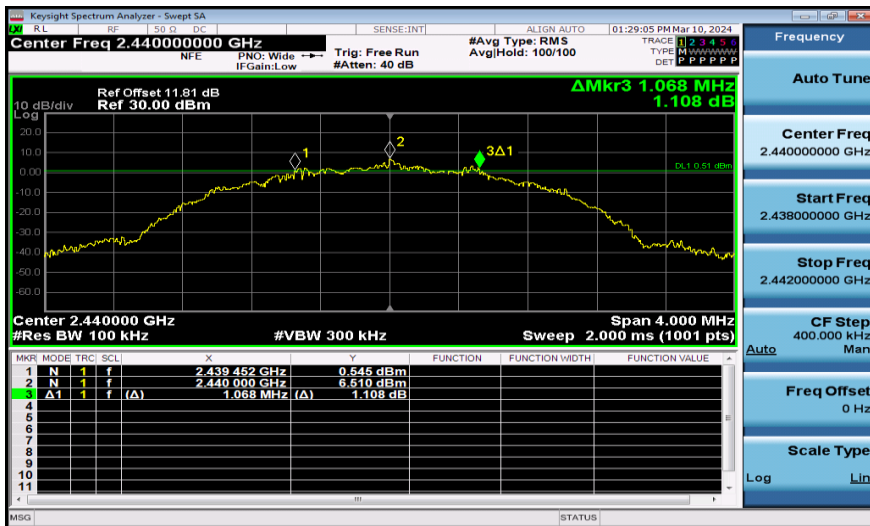
BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



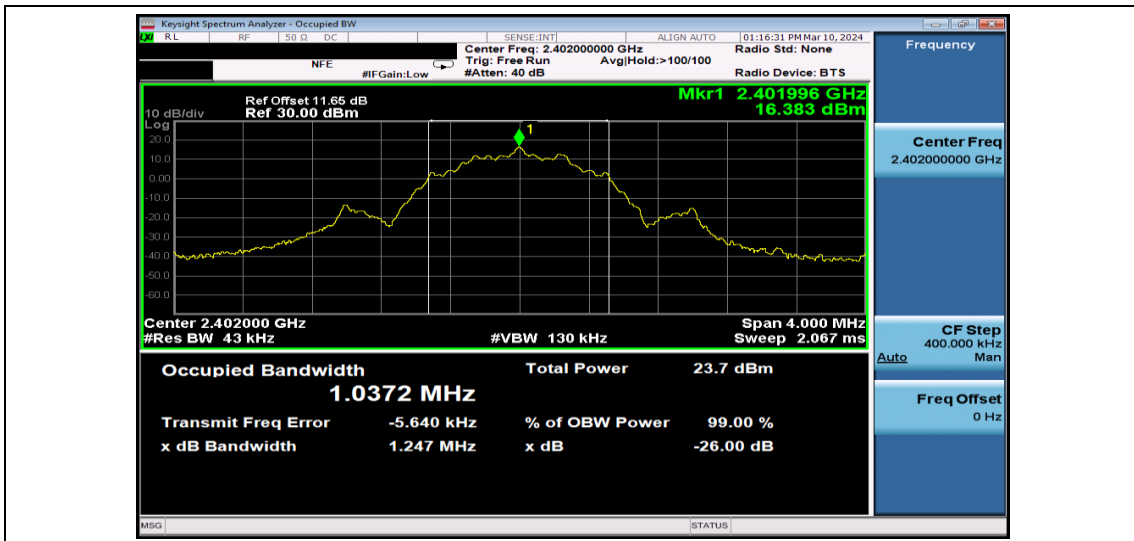
BLE_2M-Ant1-2480-PASS

Occupied Channel Bandwidth

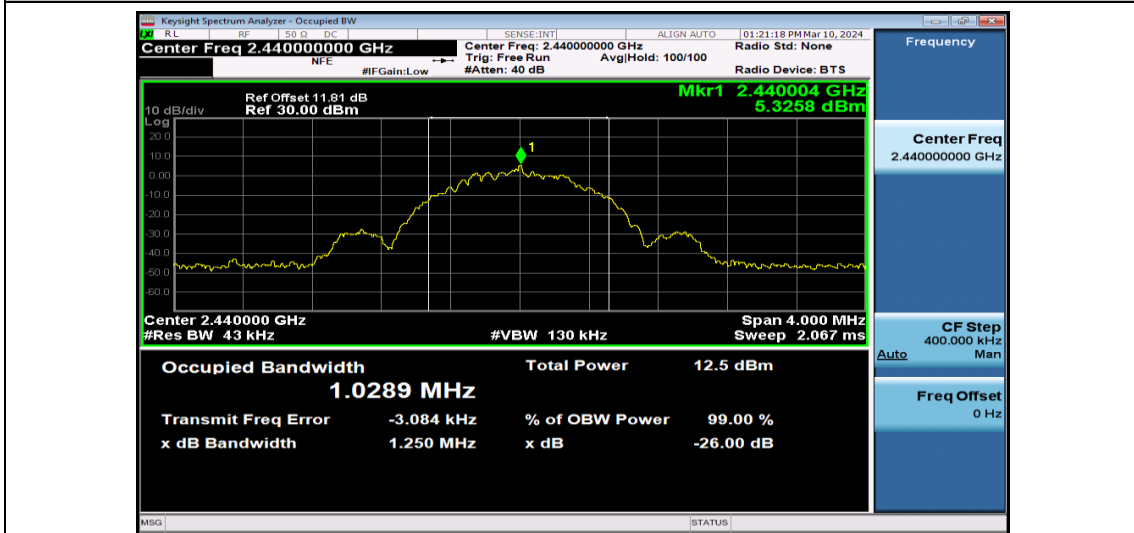
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0372	2401.4758	2402.5130	---	---
BLE_1M	Ant1	2440	1.0289	2439.4825	2440.5114	---	---
BLE_1M	Ant1	2480	1.0218	2479.4834	2480.5052	---	---
BLE_2M	Ant1	2402	2.0209	2400.9966	2403.0175	---	---
BLE_2M	Ant1	2440	2.0221	2438.9869	2441.0090	---	---
BLE_2M	Ant1	2480	2.0301	2478.9965	2481.0266	---	---

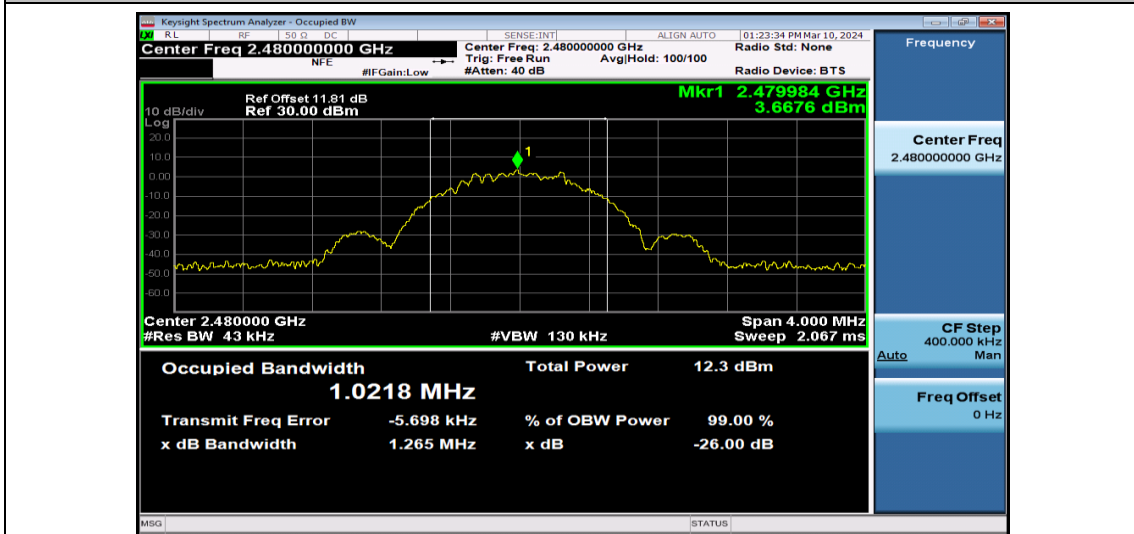
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



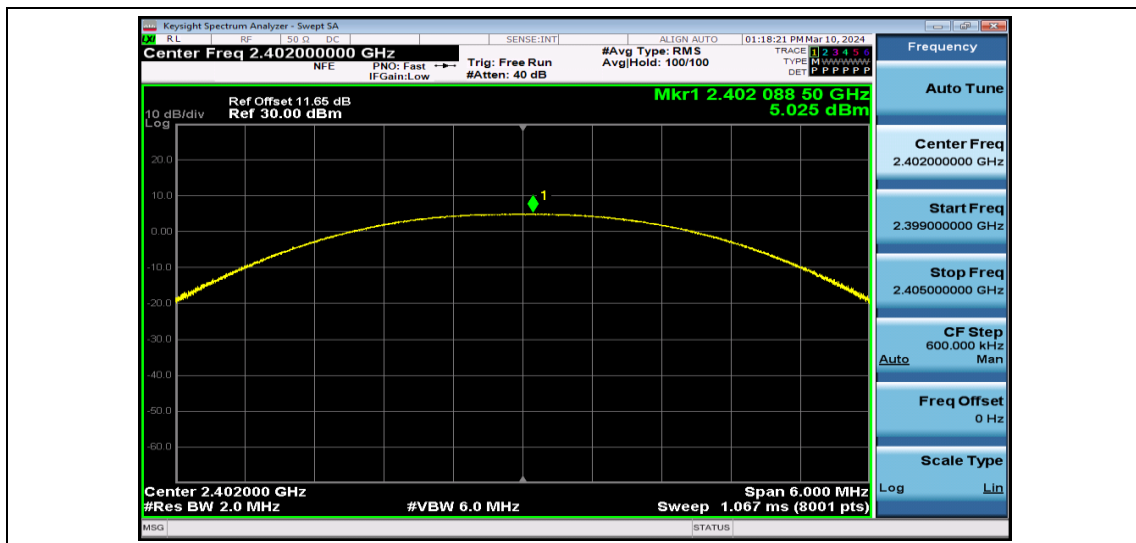
BLE_2M-Ant1-2480

Maximum conducted output power

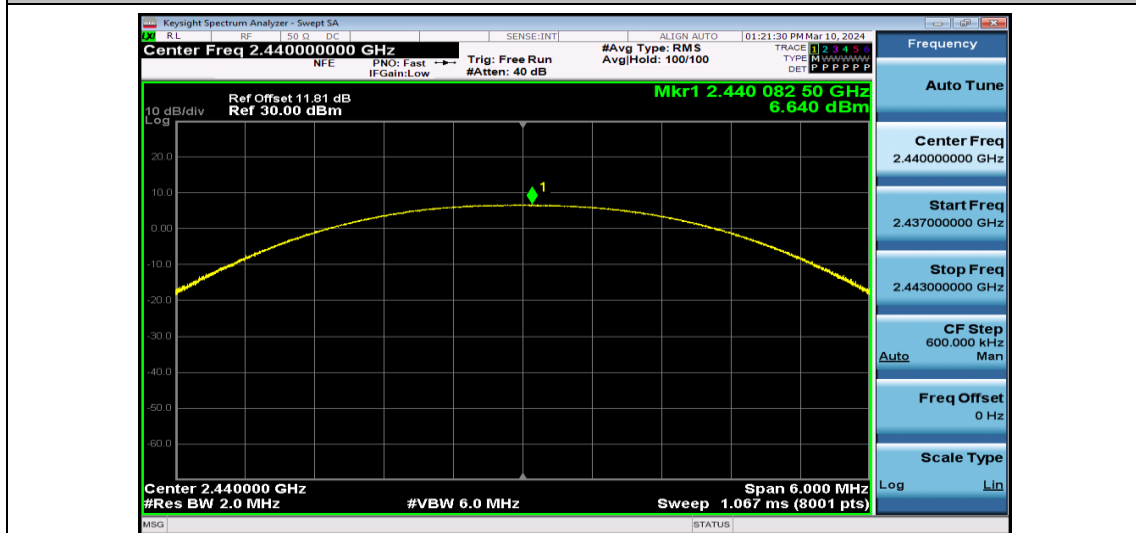
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.03	≤30	5.03	≤36	PASS
BLE_1M	Ant1	2440	6.64	≤30	6.64	≤36	PASS
BLE_1M	Ant1	2480	6.57	≤30	6.57	≤36	PASS
BLE_2M	Ant1	2402	4.85	≤30	4.85	≤36	PASS
BLE_2M	Ant1	2440	6.63	≤30	6.63	≤36	PASS
BLE_2M	Ant1	2480	6.66	≤30	6.66	≤36	PASS

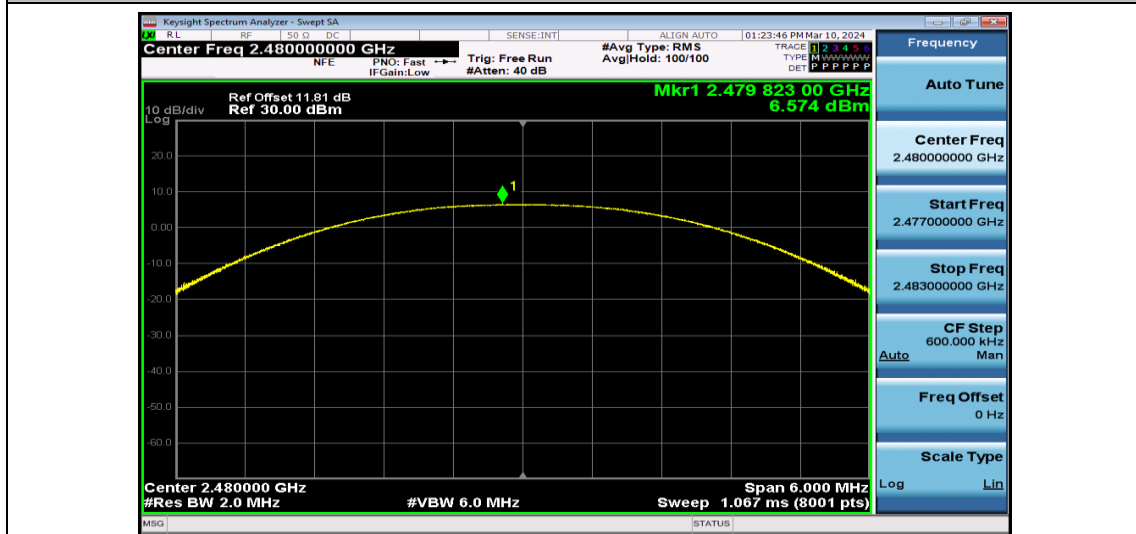
Test Graphs Peak



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



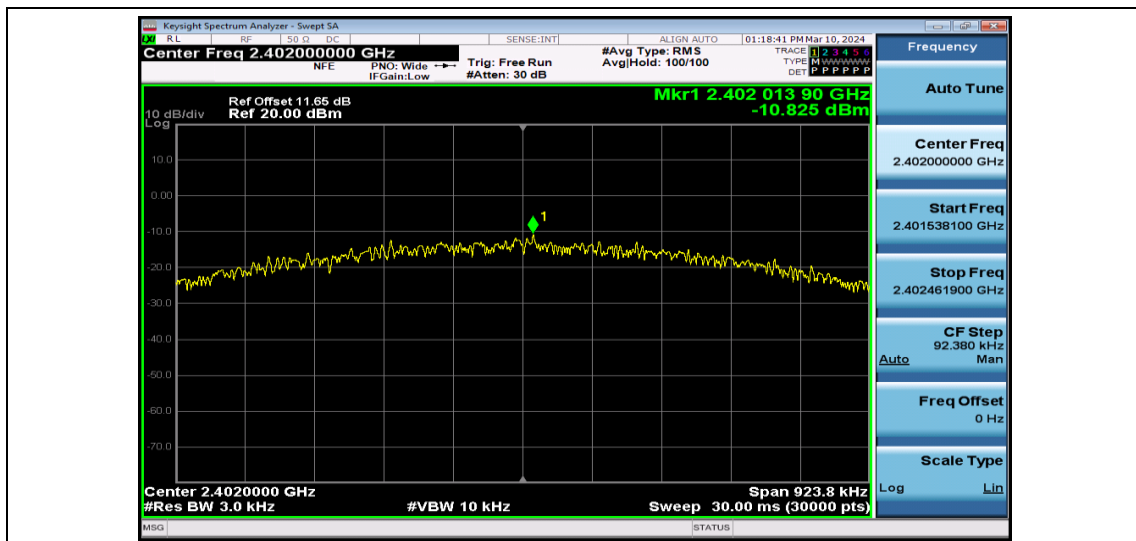
BLE_2M-Ant1-2480-PASS

Maximum power spectral density

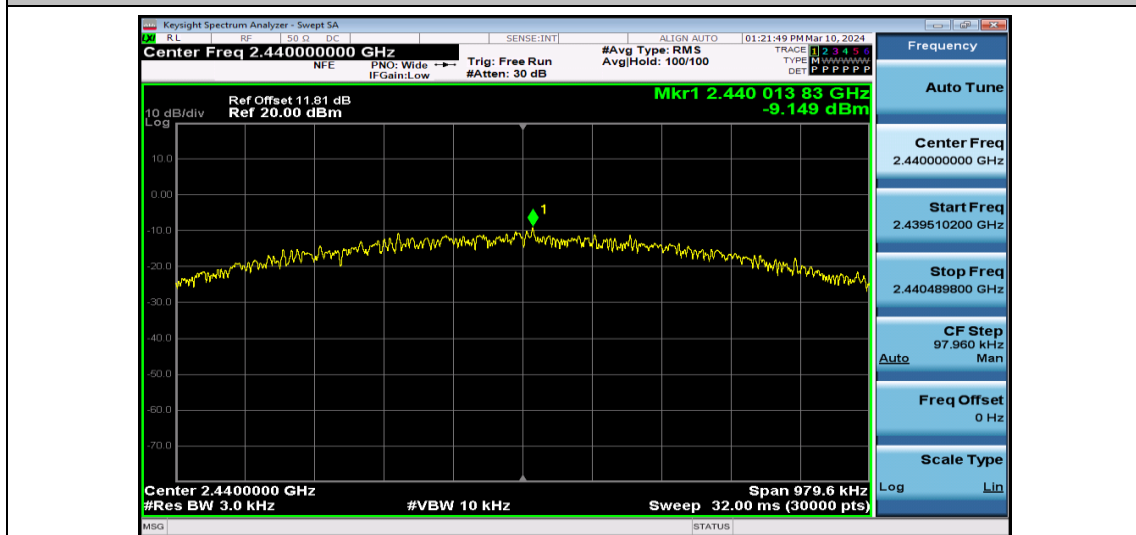
Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.83	≤8.00	PASS
BLE_1M	Ant1	2440	-9.15	≤8.00	PASS
BLE_1M	Ant1	2480	-9.33	≤8.00	PASS
BLE_2M	Ant1	2402	-12.76	≤8.00	PASS
BLE_2M	Ant1	2440	-10.92	≤8.00	PASS
BLE_2M	Ant1	2480	-11.01	≤8.00	PASS

Test Graphs



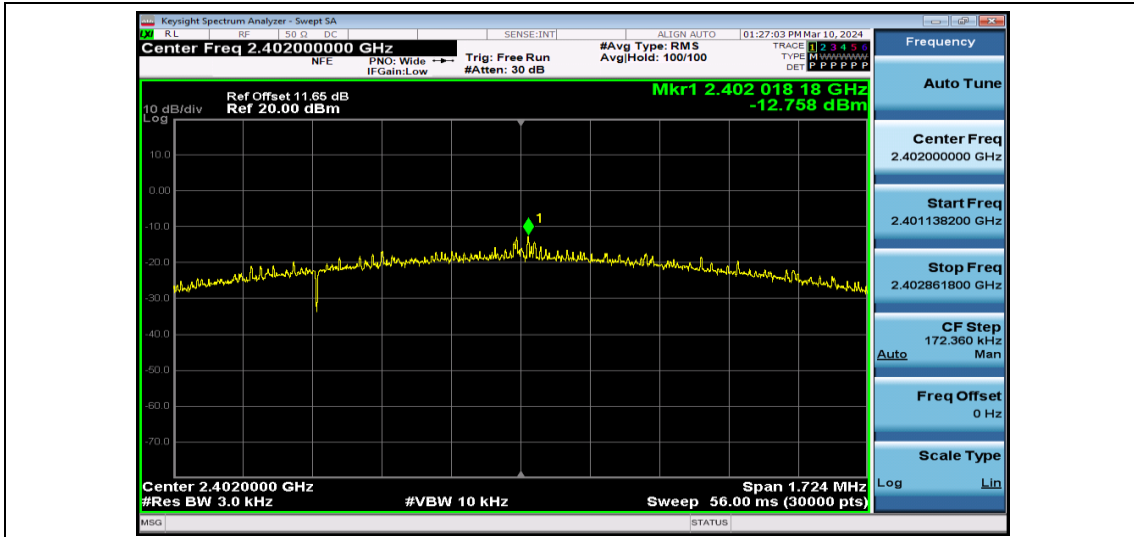
BLE_1M-Ant1-240-PASS



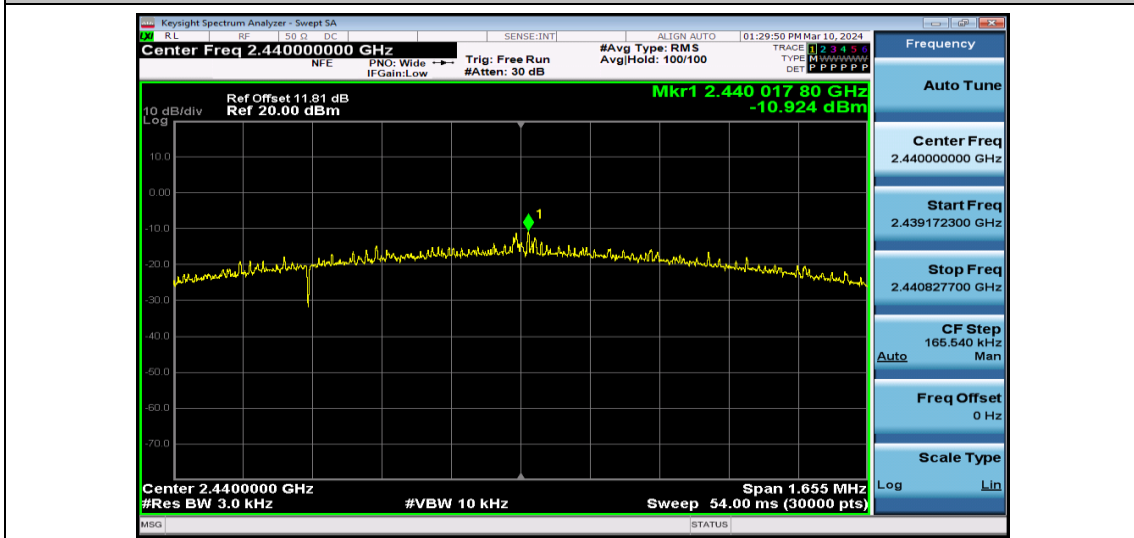
BLE_1M-Ant1-2440-PASS



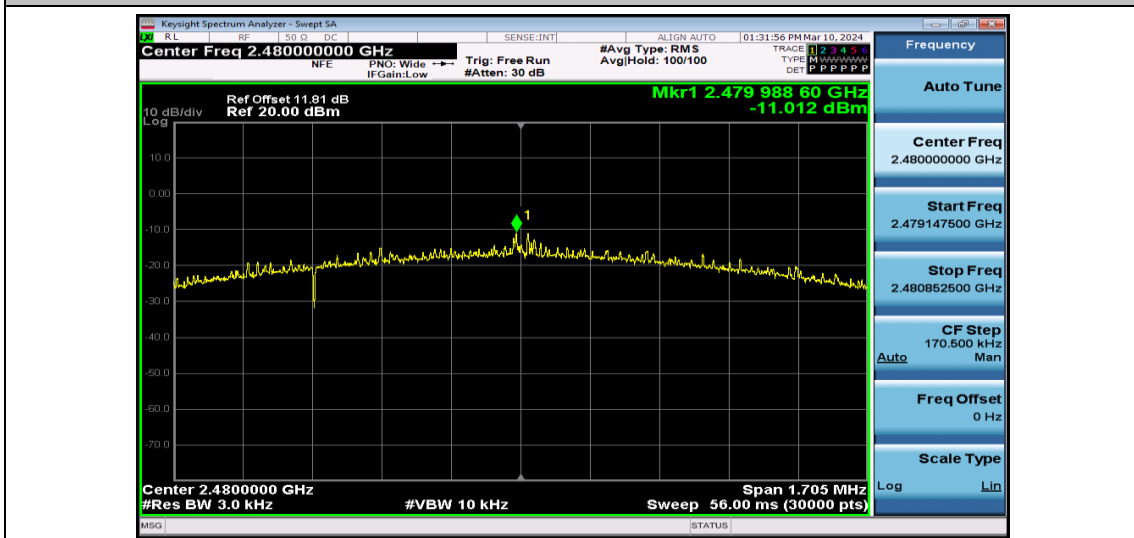
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



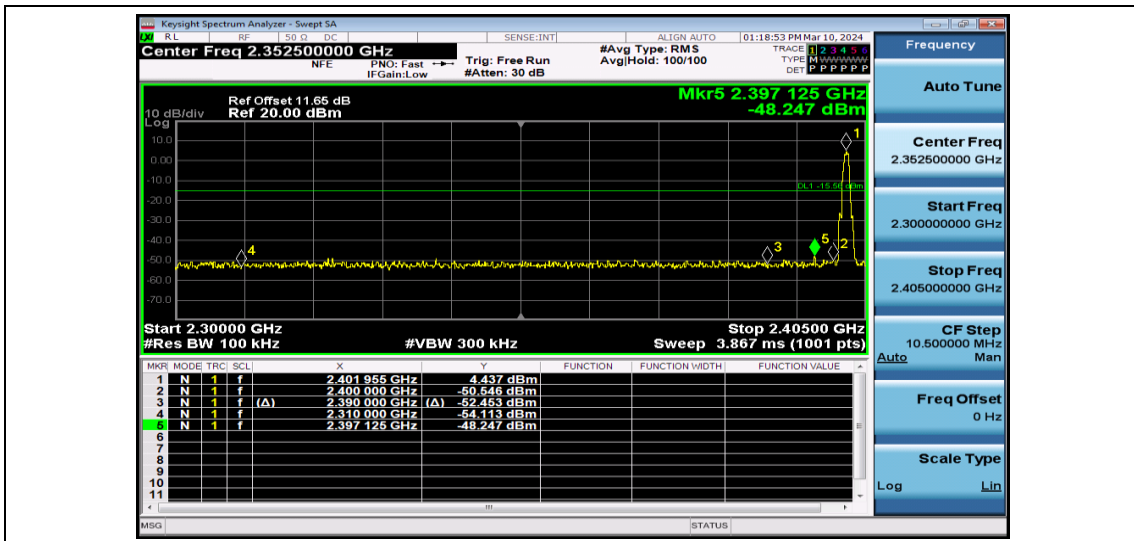
BLE_2M-Ant1-2480-PASS

Band edge measurements

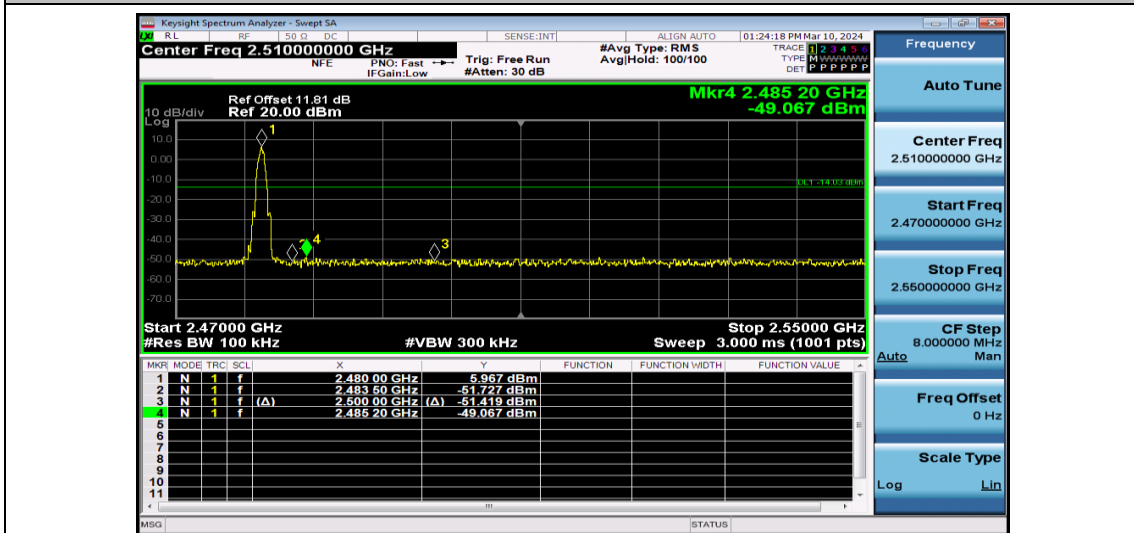
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.44	-48.25	≤-15.56	PASS
BLE_1M	Ant1	High	2480	5.97	-49.07	≤-14.03	PASS
BLE_2M	Ant1	Low	2402	4.07	-46.33	≤-15.93	PASS
BLE_2M	Ant1	High	2480	4.16	-48.43	≤-15.84	PASS

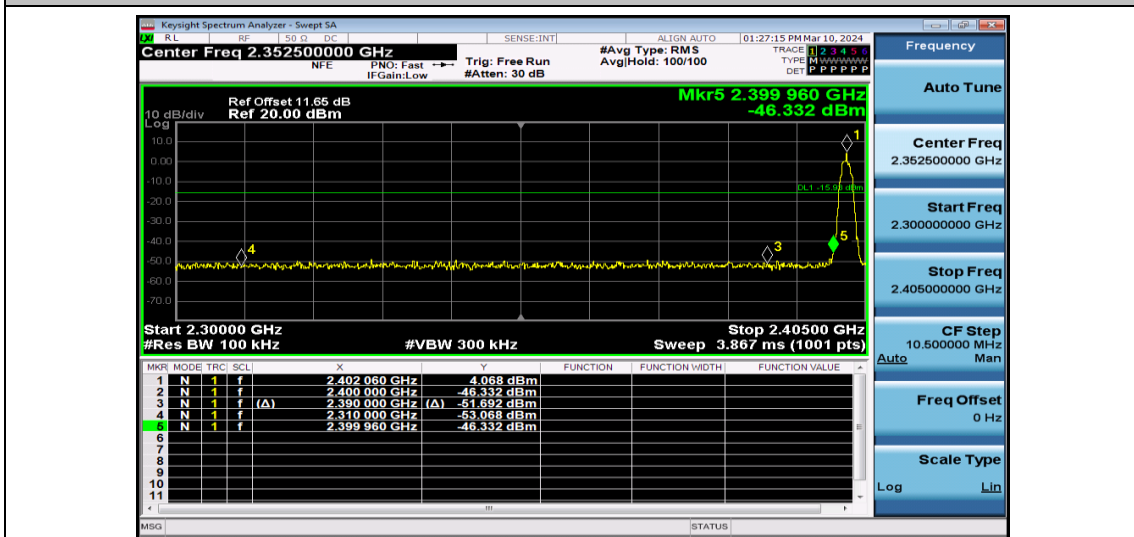
Test Graphs



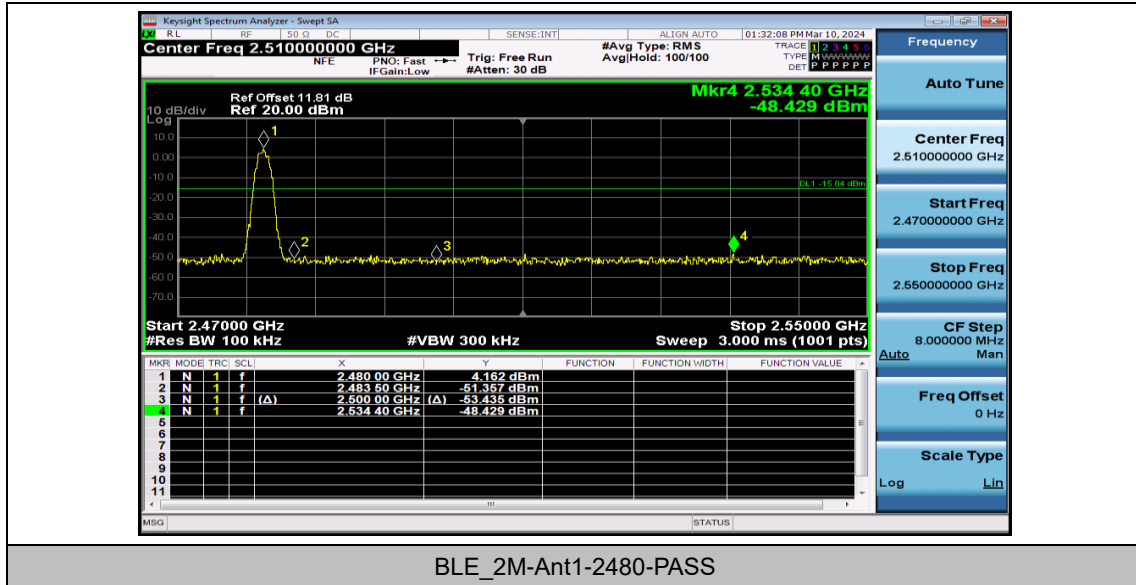
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

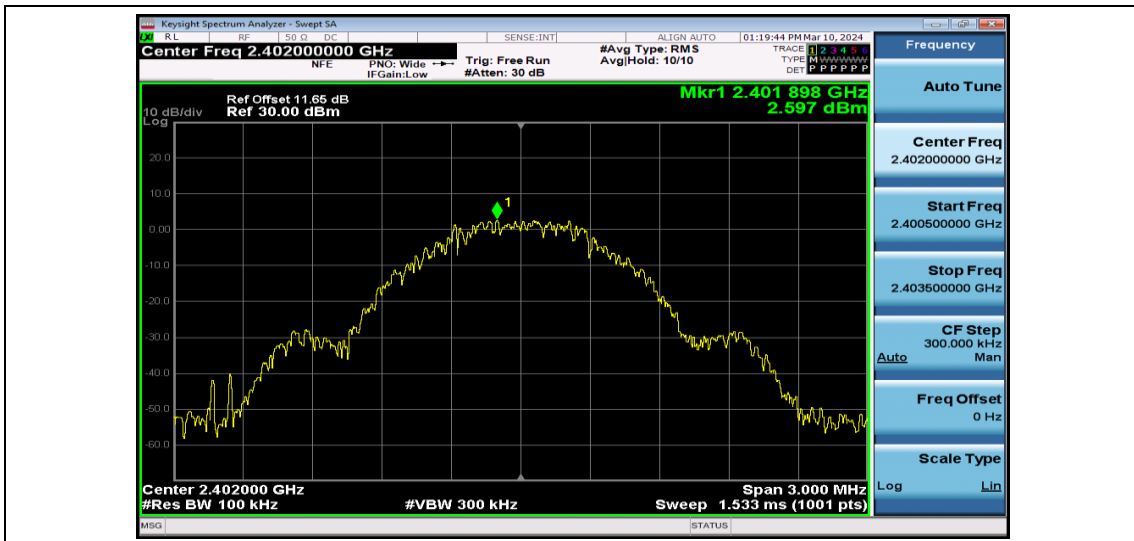


Conducted Spurious Emission

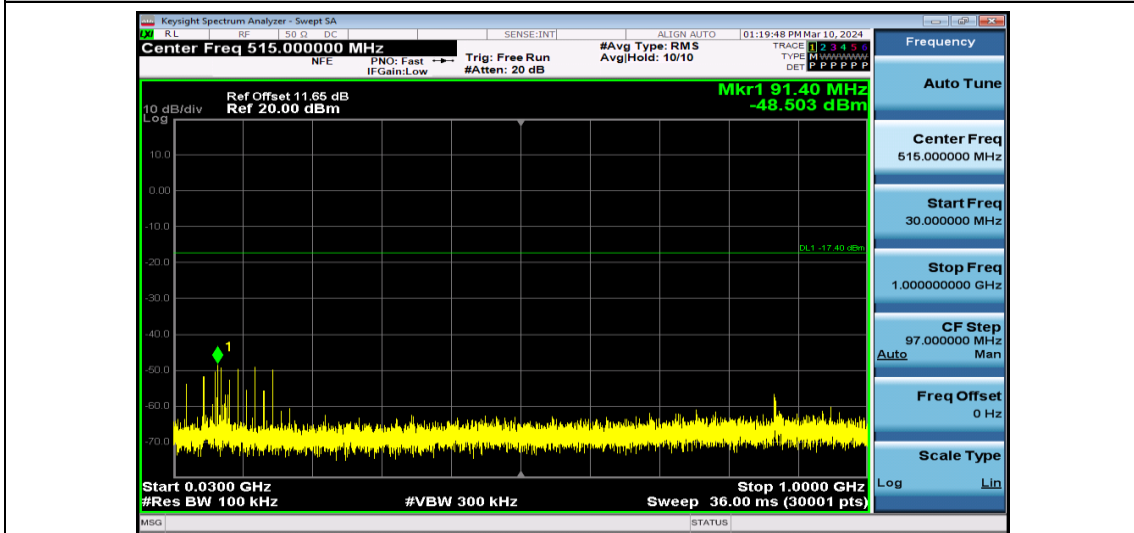
Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.60	2.60	---	PASS
BLE_1M	Ant1	2402	30~1000	2.60	-48.5	≤-17.4	PASS
BLE_1M	Ant1	2402	1000~26500	2.60	-51.88	≤-17.4	PASS
BLE_1M	Ant1	2440	0~Reference	5.26	5.26	---	PASS
BLE_1M	Ant1	2440	30~1000	5.26	-47.64	≤-14.74	PASS
BLE_1M	Ant1	2440	1000~26500	5.26	-52.55	≤-14.74	PASS
BLE_1M	Ant1	2480	0~Reference	4.57	4.57	---	PASS
BLE_1M	Ant1	2480	30~1000	4.57	-47.33	≤-15.43	PASS
BLE_1M	Ant1	2480	1000~26500	4.57	-51.99	≤-15.43	PASS
BLE_2M	Ant1	2402	0~Reference	1.56	1.56	---	PASS
BLE_2M	Ant1	2402	30~1000	1.56	-47.61	≤-18.44	PASS
BLE_2M	Ant1	2402	1000~26500	1.56	-52.84	≤-18.44	PASS
BLE_2M	Ant1	2440	0~Reference	2.91	2.91	---	PASS
BLE_2M	Ant1	2440	30~1000	2.91	-47.8	≤-17.09	PASS
BLE_2M	Ant1	2440	1000~26500	2.91	-52.59	≤-17.09	PASS
BLE_2M	Ant1	2480	0~Reference	5.48	5.48	---	PASS
BLE_2M	Ant1	2480	30~1000	5.48	-47.74	≤-14.52	PASS
BLE_2M	Ant1	2480	1000~26500	5.48	-52.38	≤-14.52	PASS

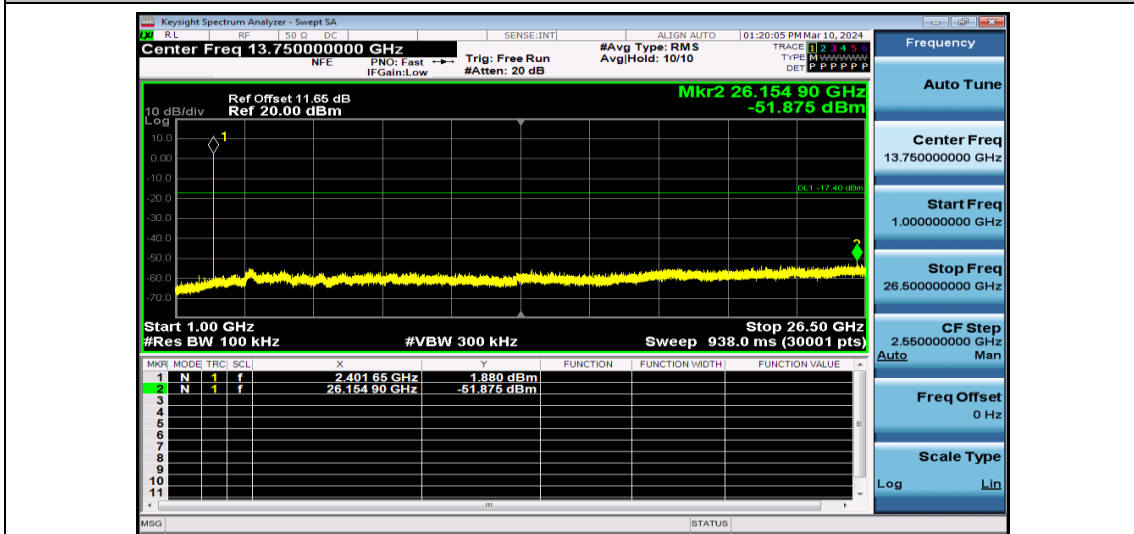
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



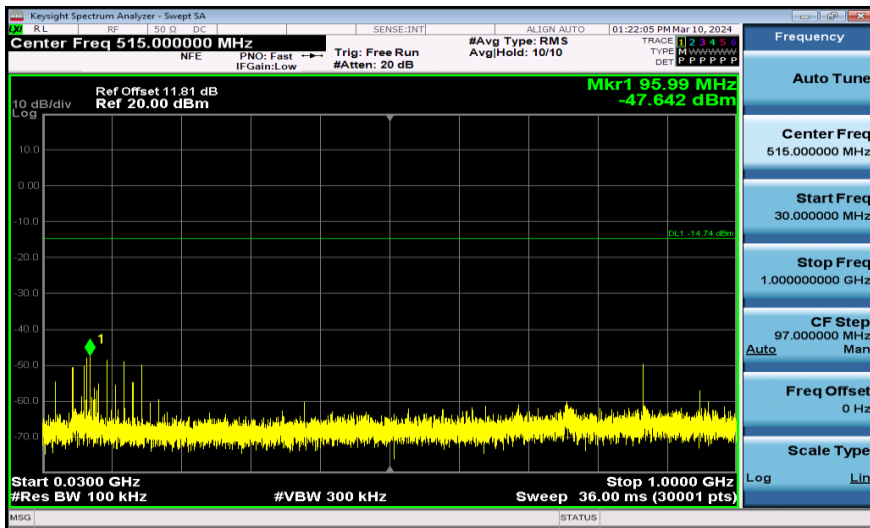
BLE_1M-Ant1-2402-30~1000-PASS



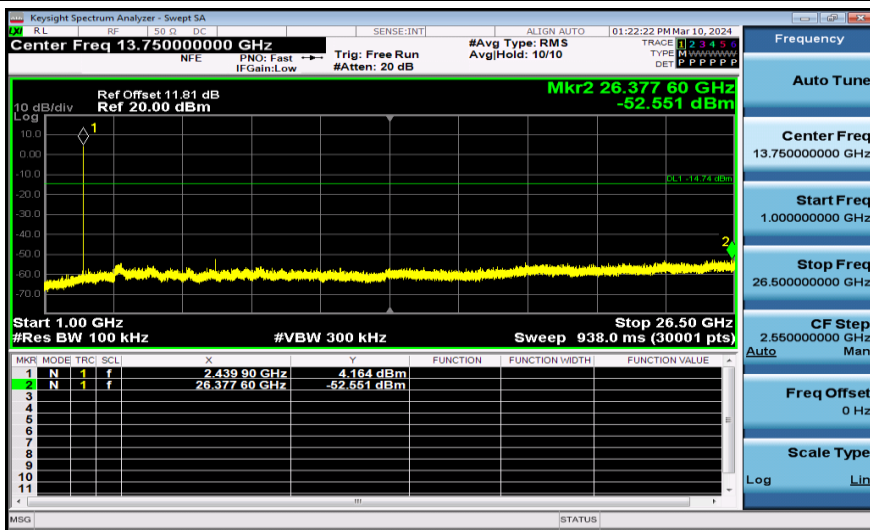
BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS



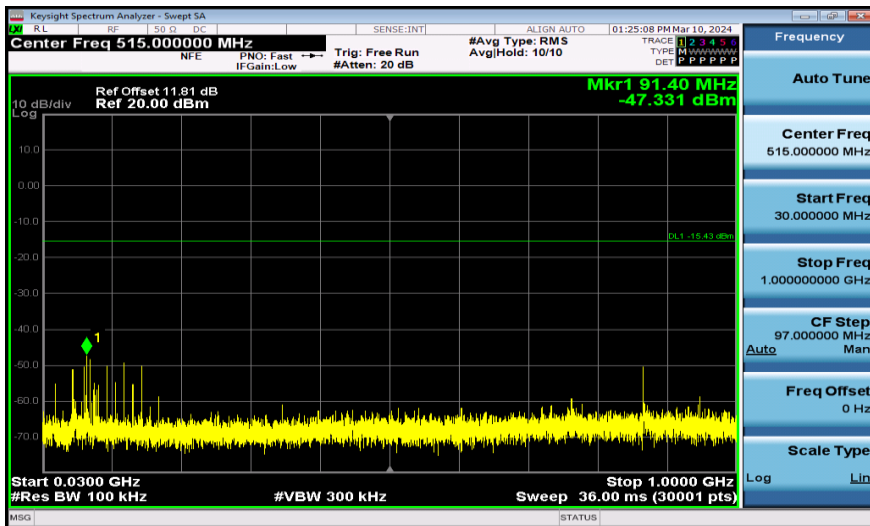
BLE_1M-Ant1-2440-30~1000-PASS



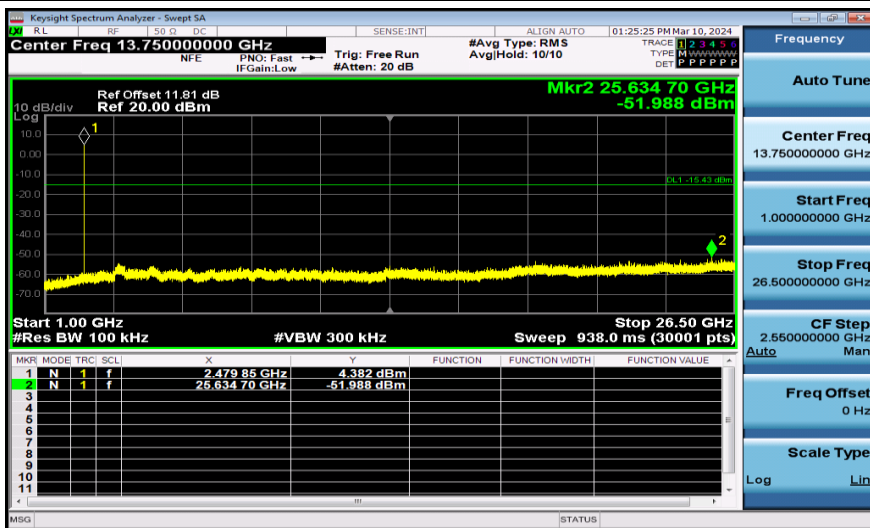
BLE_1M-Ant1-2440-1000~26500-PASS



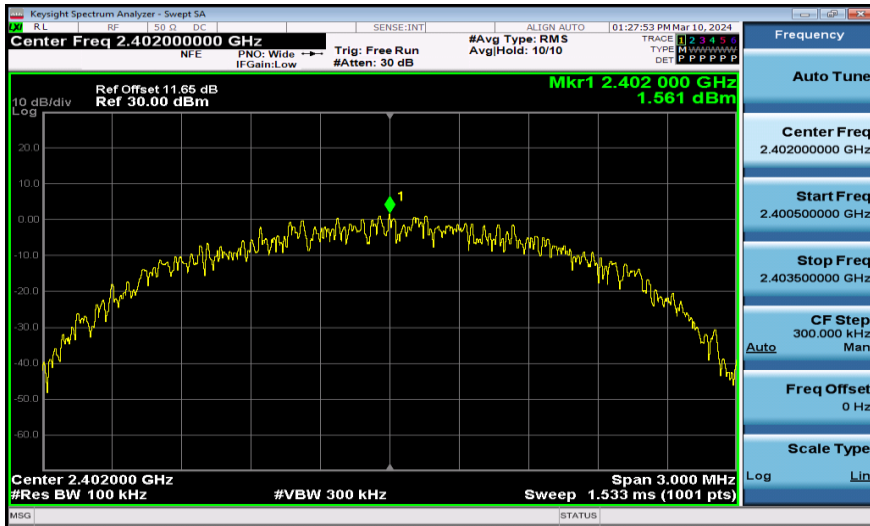
BLE_1M-Ant1-2480-0~Reference-PASS



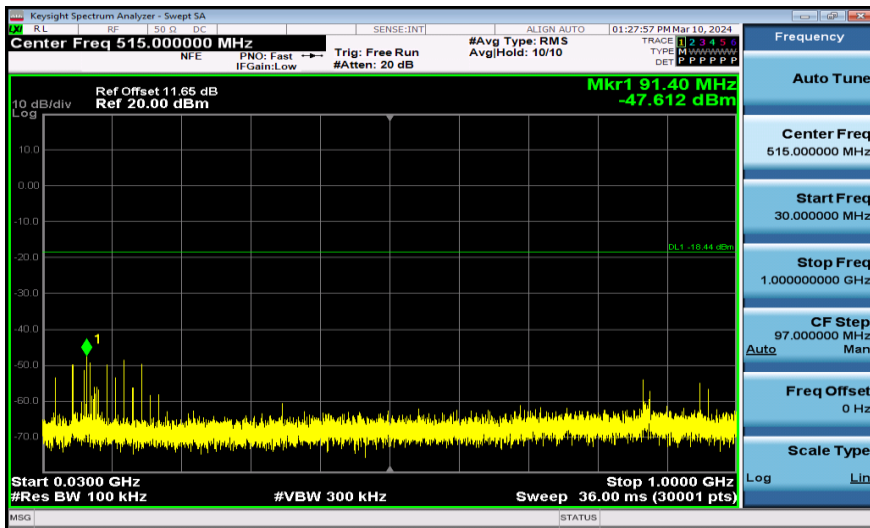
BLE_1M-Ant1-2480-30~1000-PASS



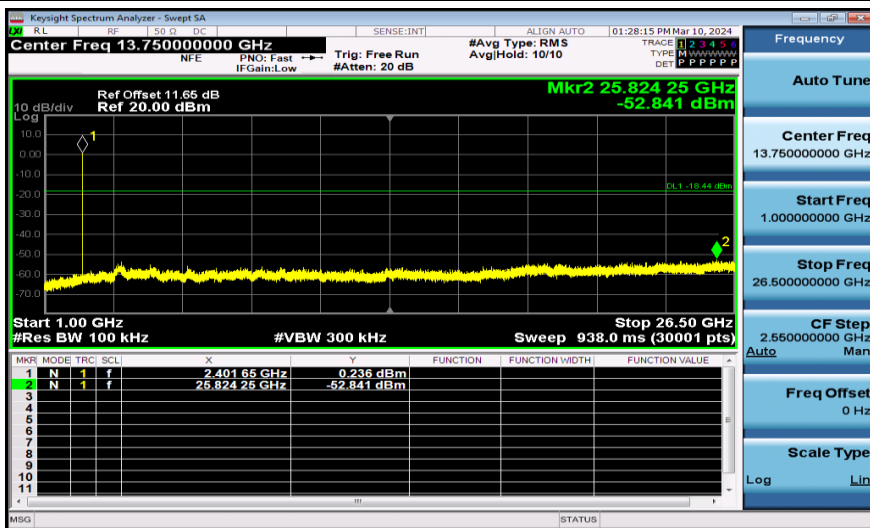
BLE_1M-Ant1-2480-1000~26500-PASS



BLE_2M-Ant1-2402-0~Reference-PASS



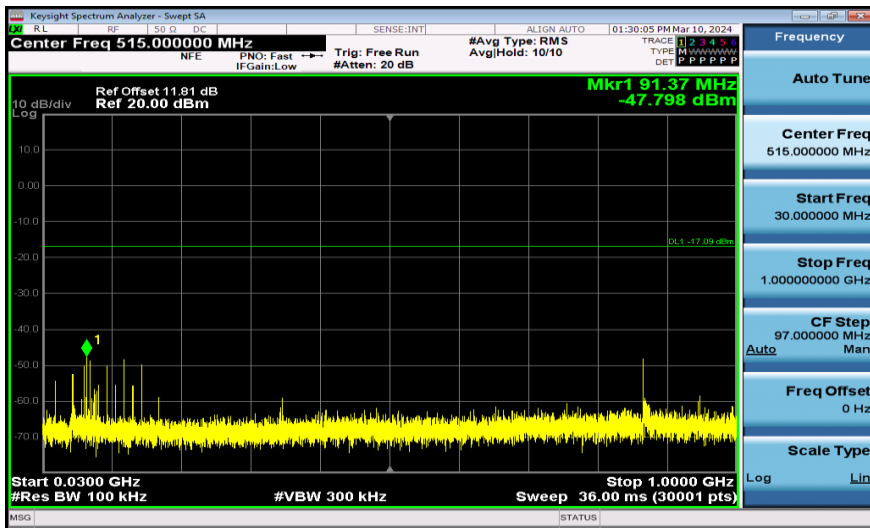
BLE_2M-Ant1-2402-30~1000-PASS



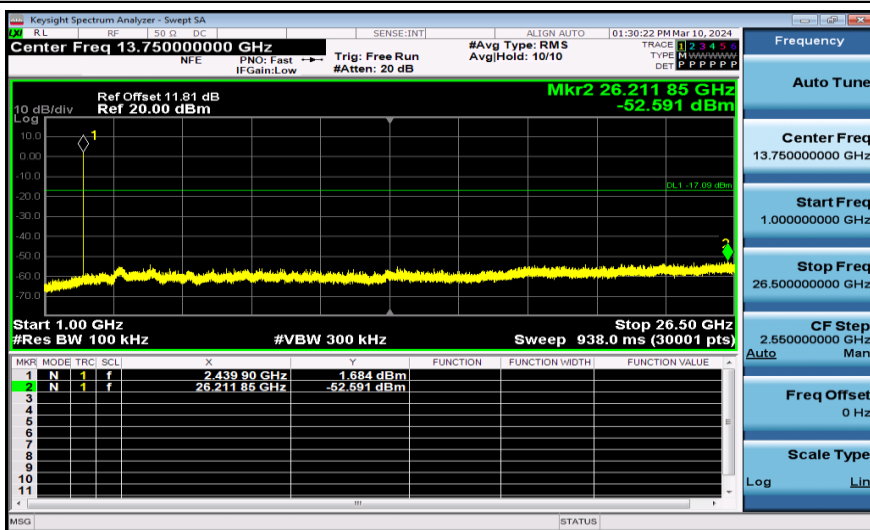
BLE_2M-Ant1-2402-1000~26500-PASS



BLE_2M-Ant1-2440-0~Reference-PASS



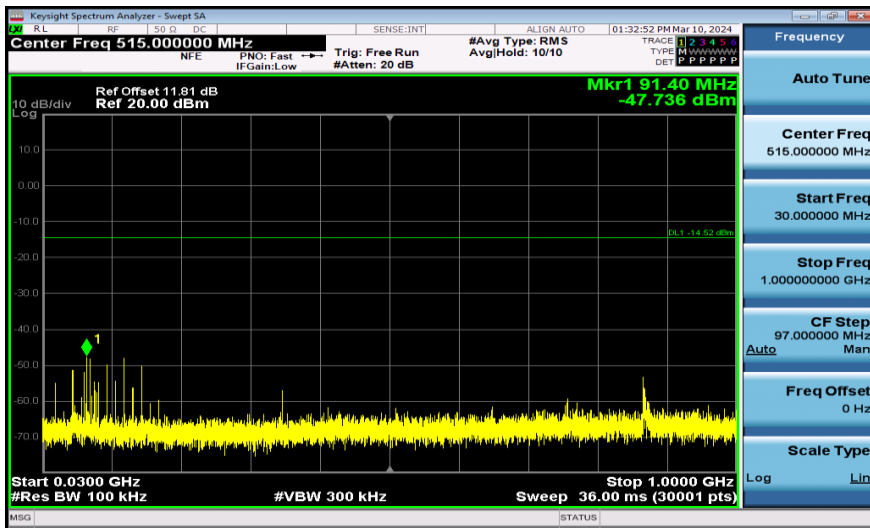
BLE_2M-Ant1-2440-30~1000-PASS



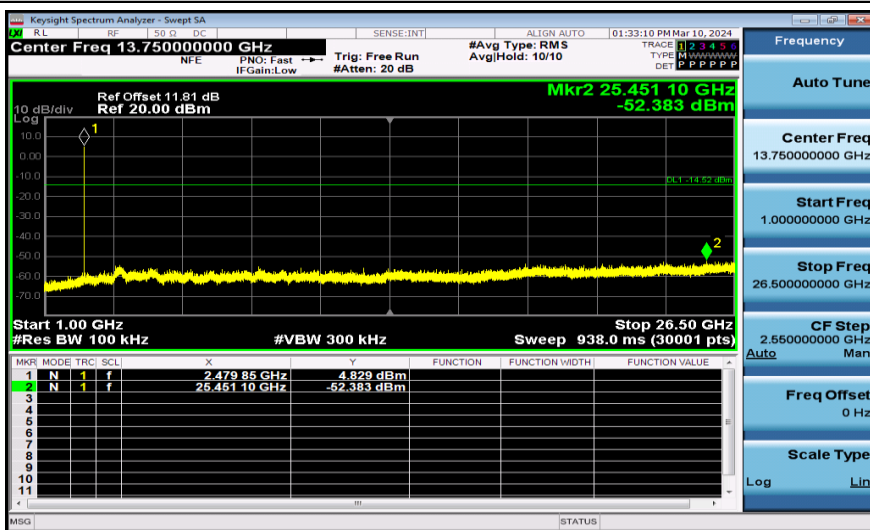
BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



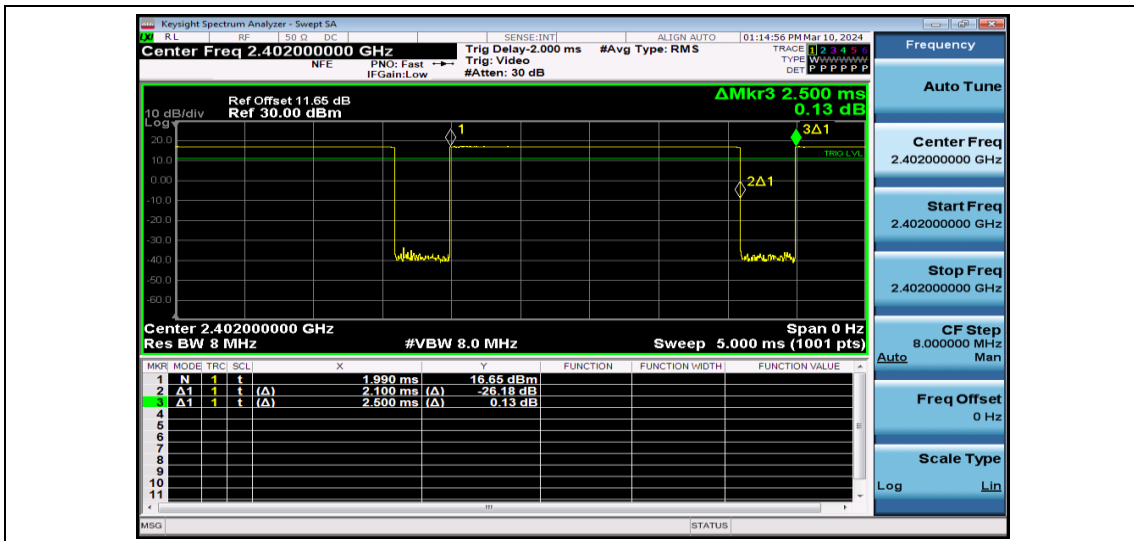
BLE_2M-Ant1-2480-1000~26500-PASS

Appendix H: Duty Cycle

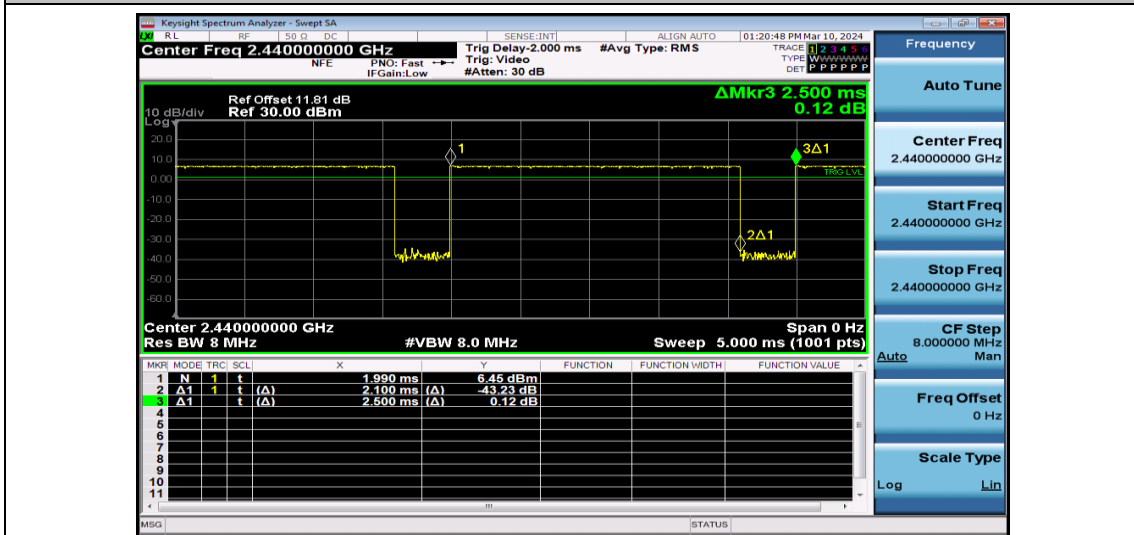
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76
BLE_2M	Ant1	2402	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2440	1.06	1.88	56.38	2.49
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

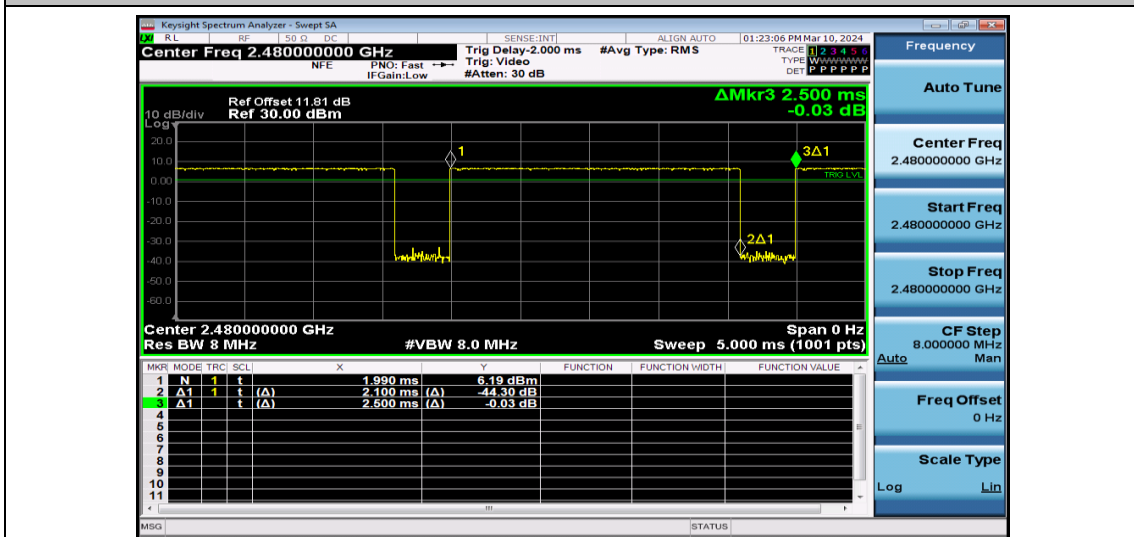
Test Graphs



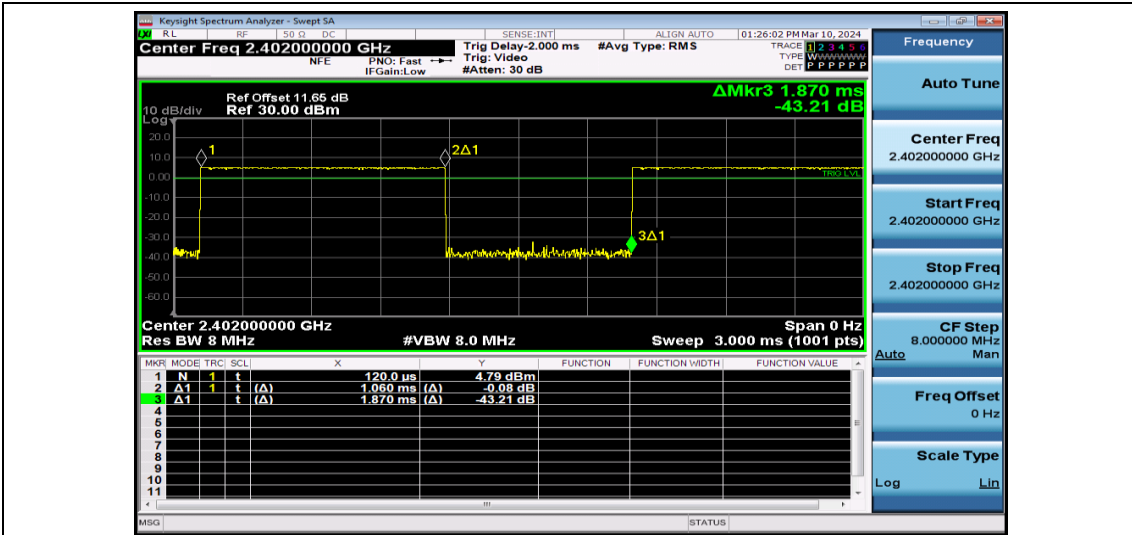
NTNV-BLE_1M-Ant1-2402



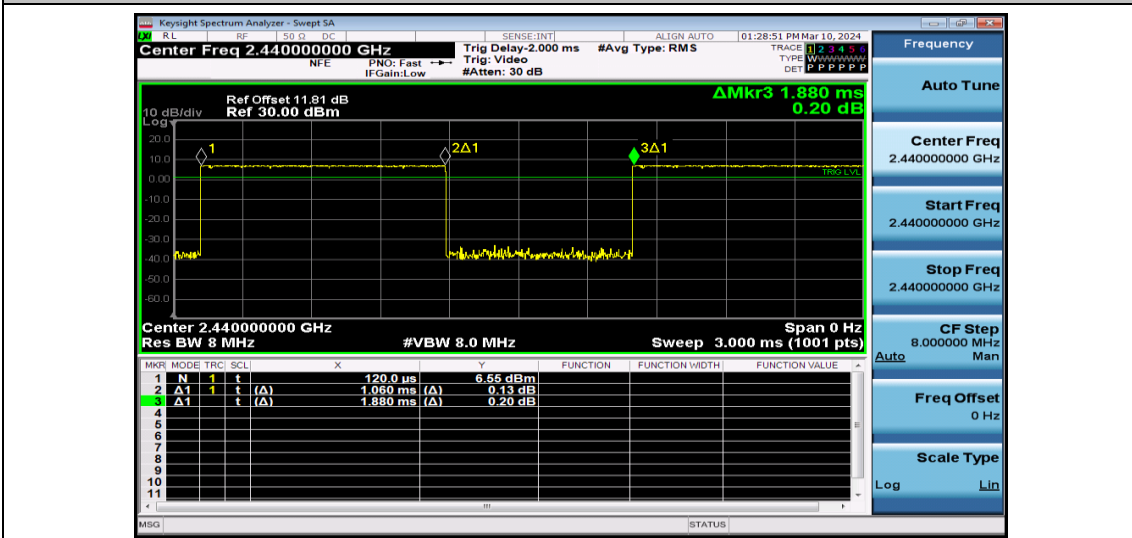
NTNV-BLE_1M-Ant1-2440



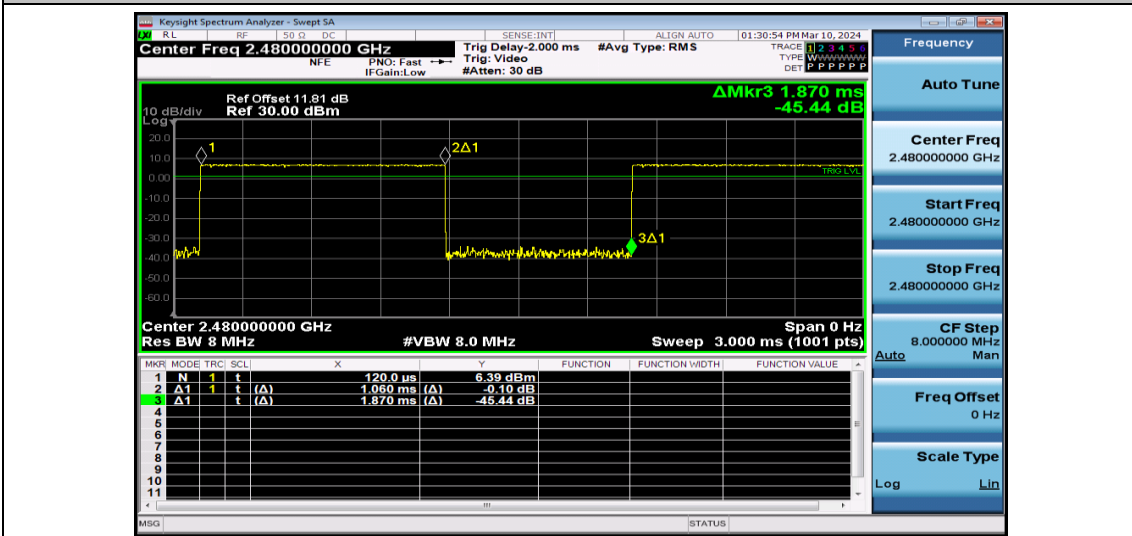
NTNV-BLE_1M-Ant1-2480



NTNV-BLE_2M-Ant1-2402



NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480