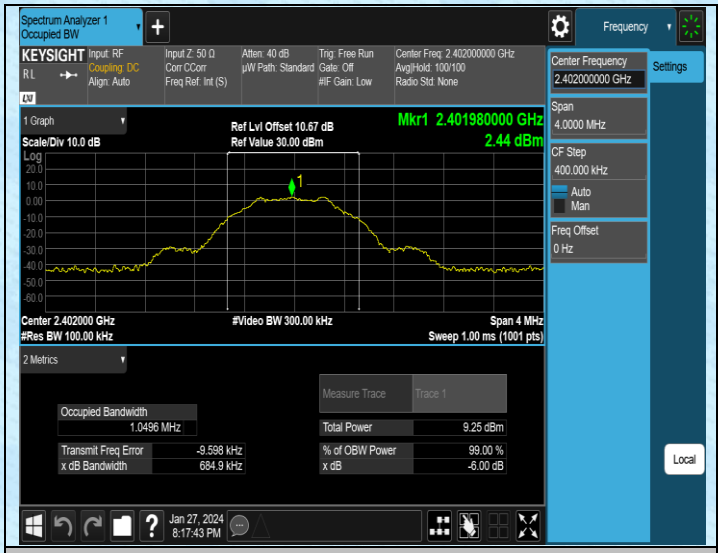
AppendixA: DTS Bandwidth

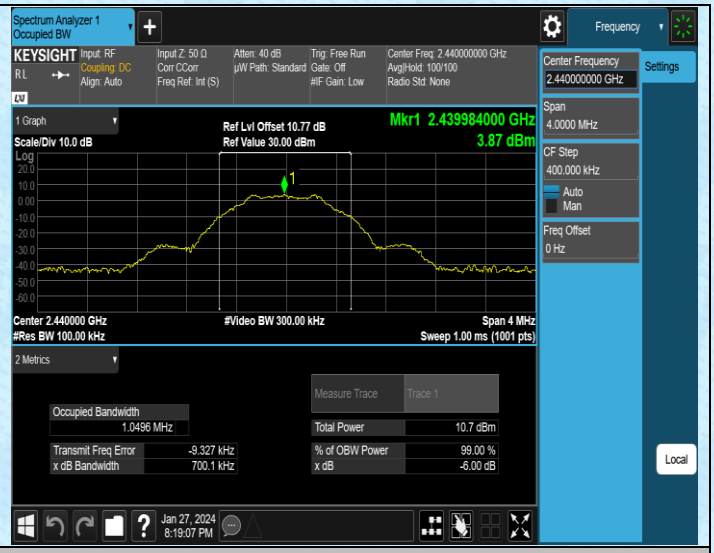
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.6879	0.5	PASS
BLE_1M	Ant1	2440	0.7001	0.5	PASS
BLE_1M	Ant1	2480	0.7061	0.5	PASS
BLE_2M	Ant1	2402	1.226	0.5	PASS
BLE_2M	Ant1	2440	1.240	0.5	PASS
BLE_2M	Ant1	2480	1.229	0.5	PASS

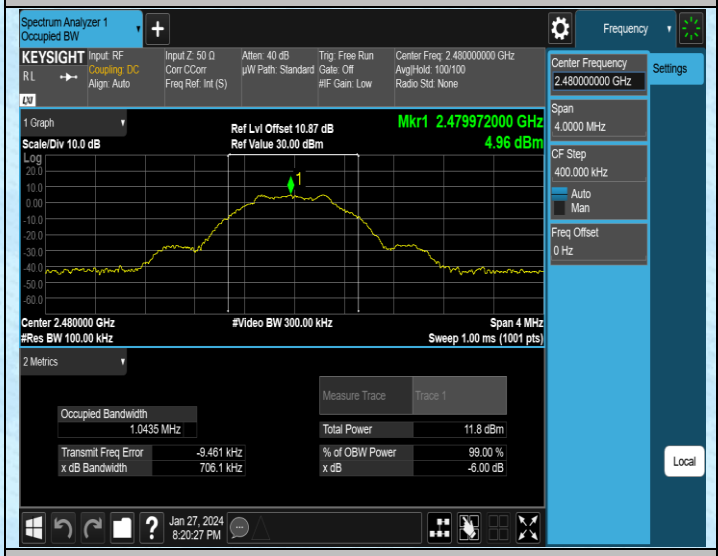
Test Graphs



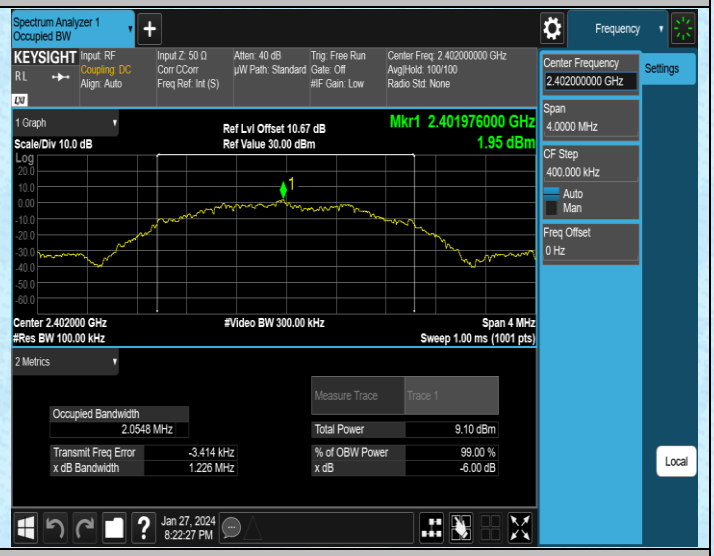
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS

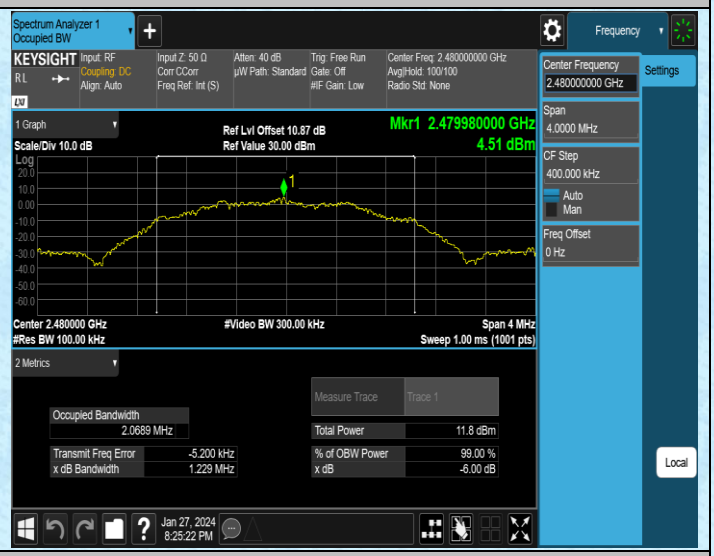


BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

BLE_2M-Ant1-2440-PASS



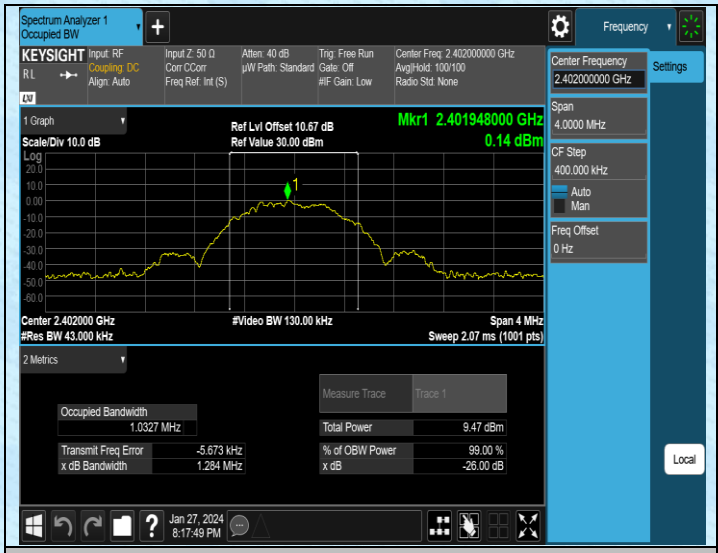
BLE_2M-Ant1-2480-PASS

AppendixB: Occupied Channel Bandwidth

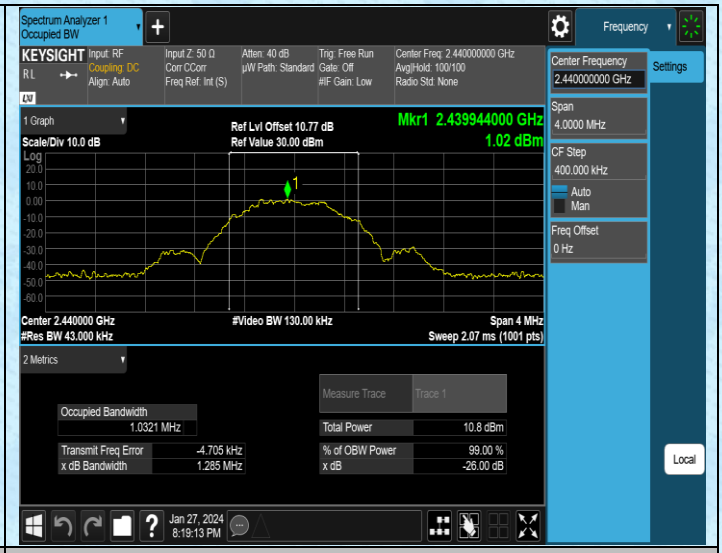
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0327	2401.4780	2402.5107	---	---
BLE_1M	Ant1	2440	1.0321	2439.4793	2440.5114	---	---
BLE_1M	Ant1	2480	1.0347	2479.4762	2480.5109	---	---
BLE_2M	Ant1	2402	2.0604	2400.9756	2403.0360	---	---
BLE_2M	Ant1	2440	2.0616	2438.9743	2441.0359	---	---
BLE_2M	Ant1	2480	2.0453	2478.9863	2481.0316	---	---

Test Graphs

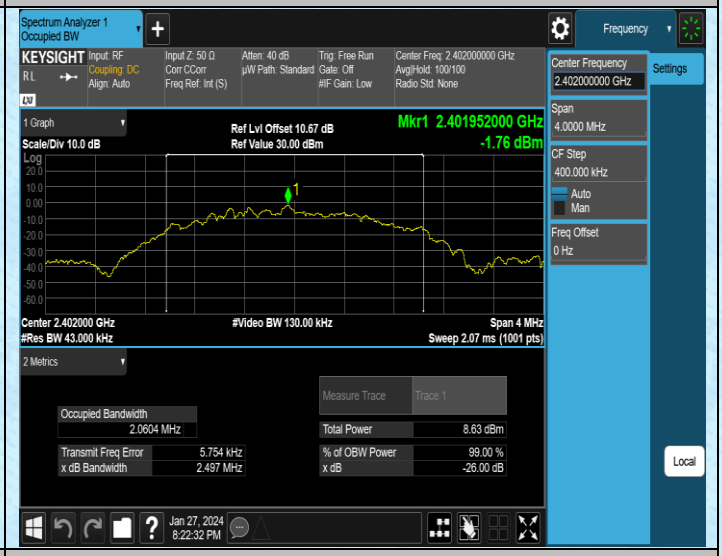


BLE_1M-Ant1-2402



BLE_1M-Ant1-2440

BLE_1M-Ant1-2480



BLE_2M-Ant1-2402

BLE_2M-Ant1-2440

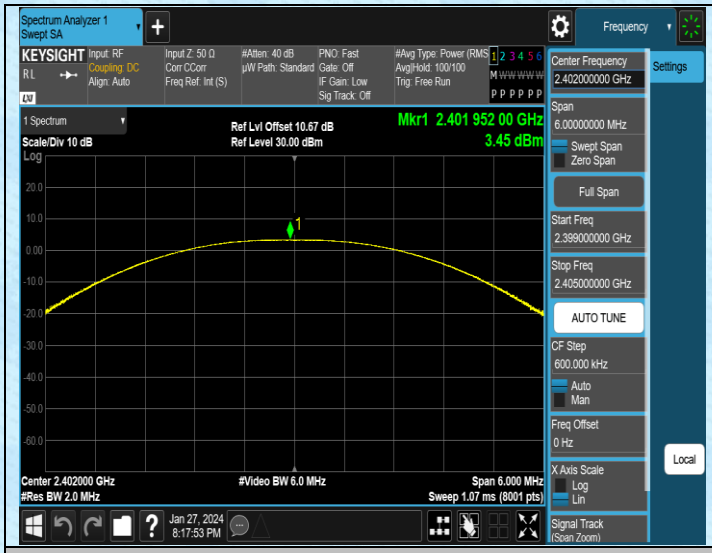
BLE_2M-Ant1-2480

AppendixC: Maximum conducted output power

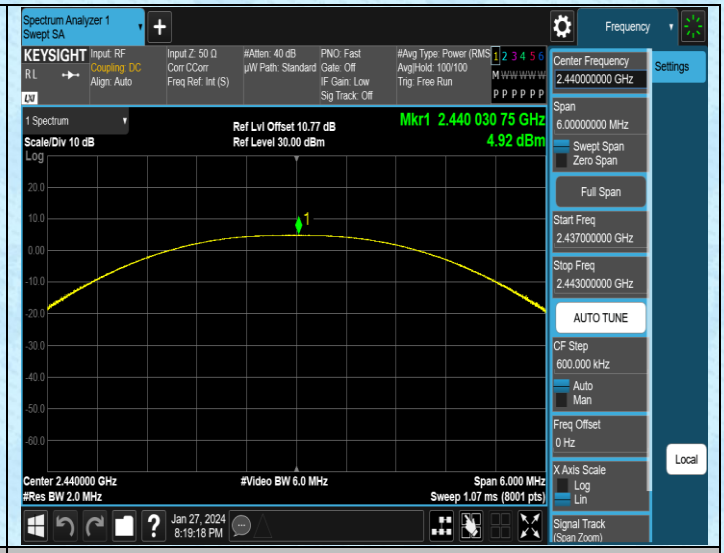
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Gain [dBi]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.45	≤30	3.43	6.88	--	PASS
BLE_1M	Ant1	2440	4.92	≤30	3.43	8.35	--	PASS
BLE_1M	Ant1	2480	6.00	≤30	3.43	9.43	--	PASS
BLE_2M	Ant1	2402	3.39	≤30	3.43	6.82	--	PASS
BLE_2M	Ant1	2440	4.78	≤30	3.43	8.21	--	PASS
BLE_2M	Ant1	2480	5.89	≤30	3.43	9.32	--	PASS

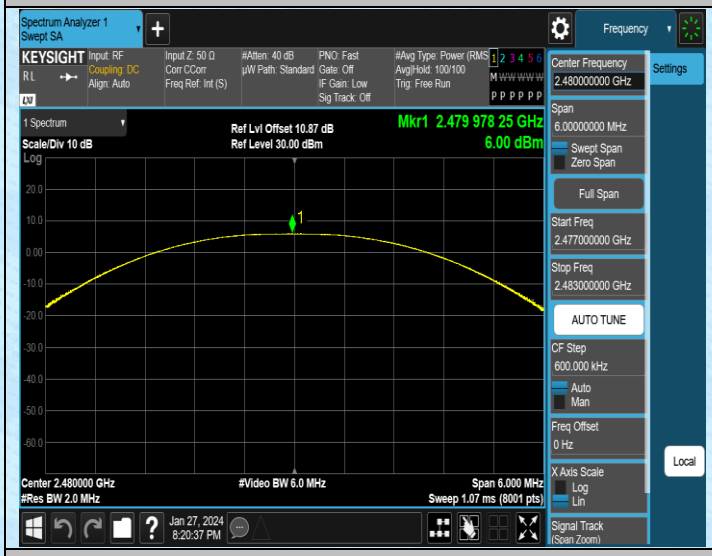
Test Graphs Peak



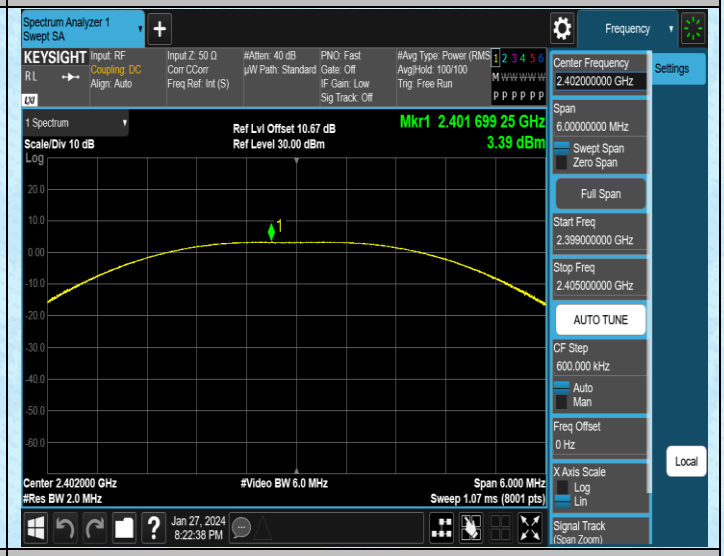
BLE_1M-Ant1-2402-PASS



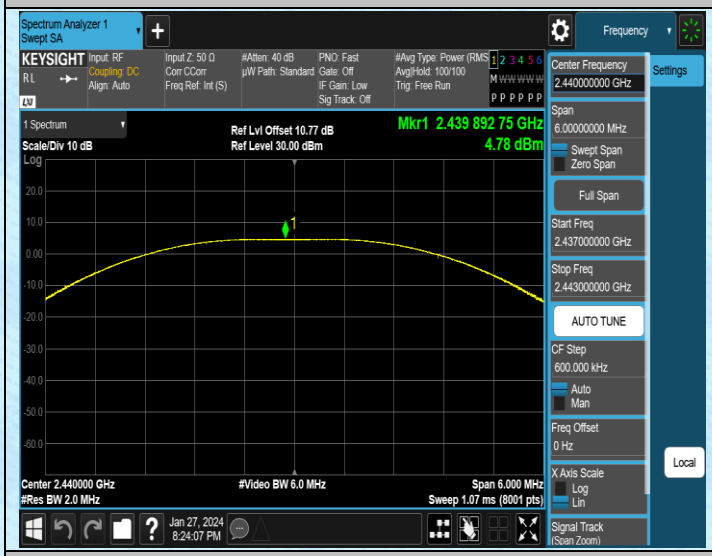
BLE_1M-Ant1-2440-PASS



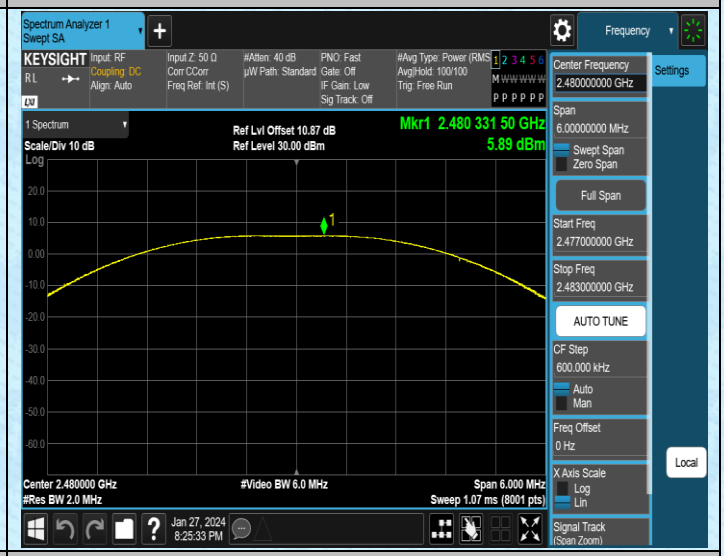
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



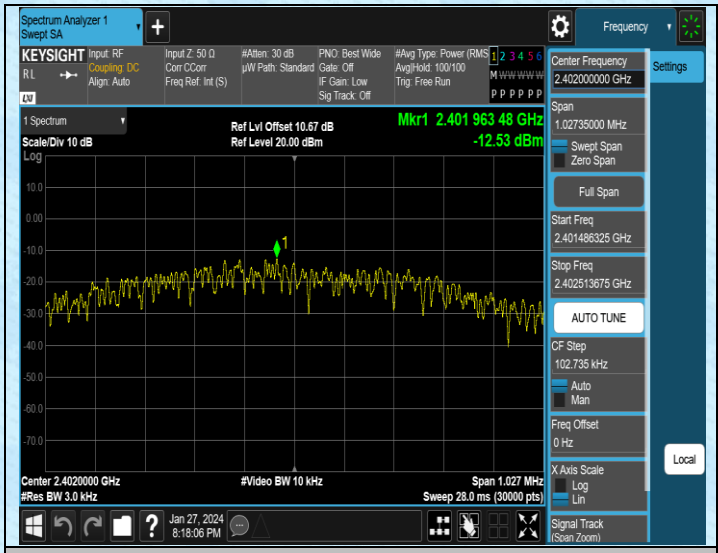
BLE_2M-Ant1-2480-PASS

AppendixD: Maximum power spectral density

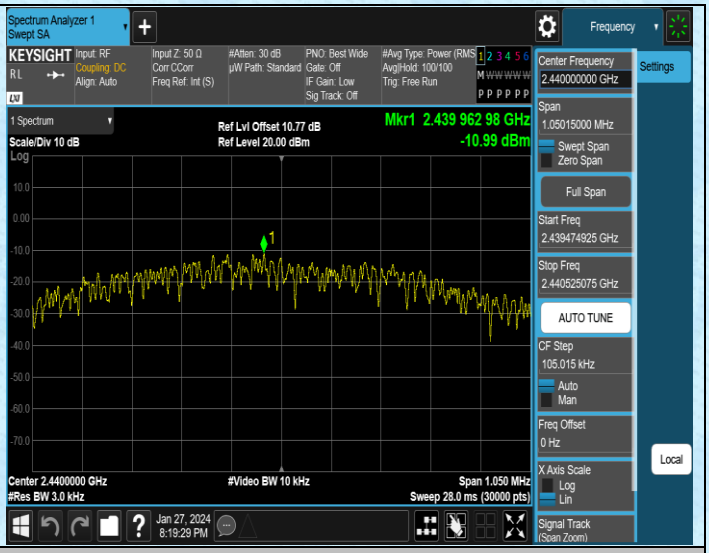
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.53	≤8.00	PASS
BLE_1M	Ant1	2440	-10.99	≤8.00	PASS
BLE_1M	Ant1	2480	-10.02	≤8.00	PASS
BLE_2M	Ant1	2402	-14.91	≤8.00	PASS
BLE_2M	Ant1	2440	-13.37	≤8.00	PASS
BLE_2M	Ant1	2480	-12.28	≤8.00	PASS

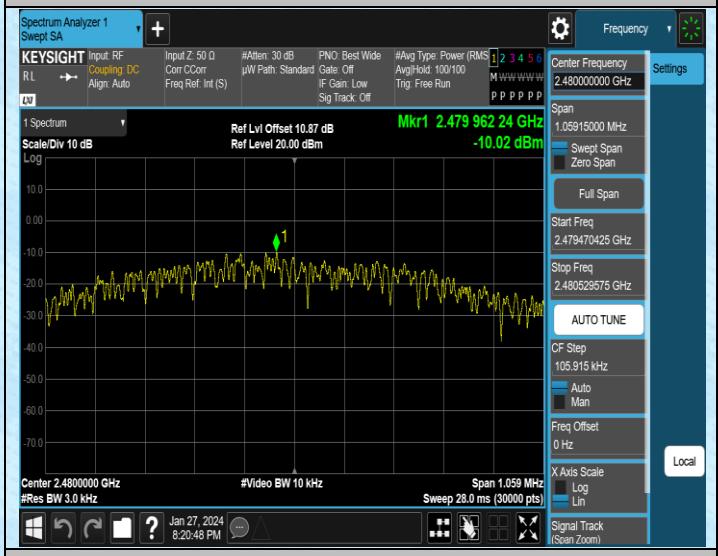
Test Graphs



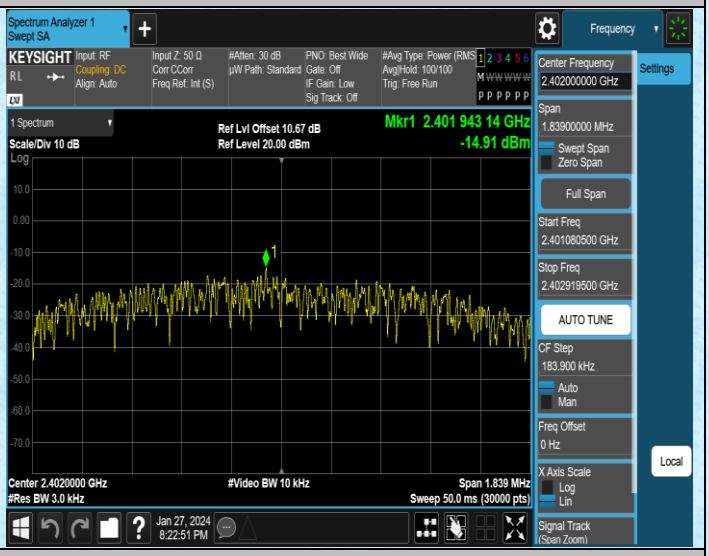
BLE_1M-Ant1-2402-PASS



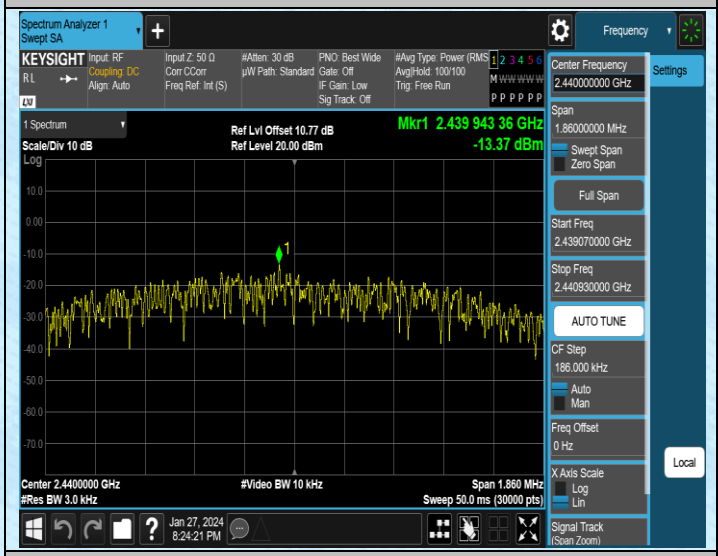
BLE_1M-Ant1-2440-PASS



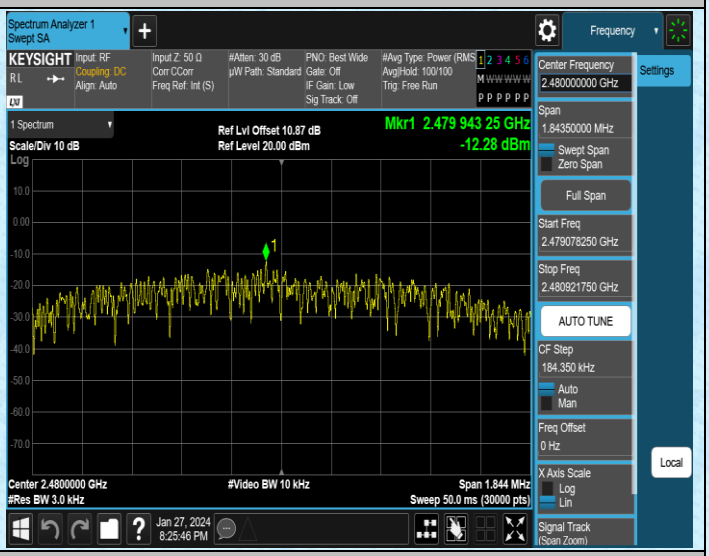
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



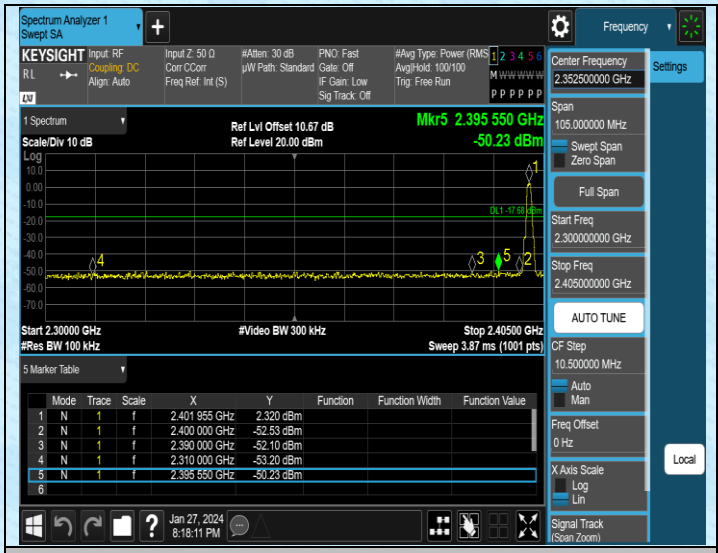
BLE_2M-Ant1-2480-PASS

AppendixE:Band edge measurements

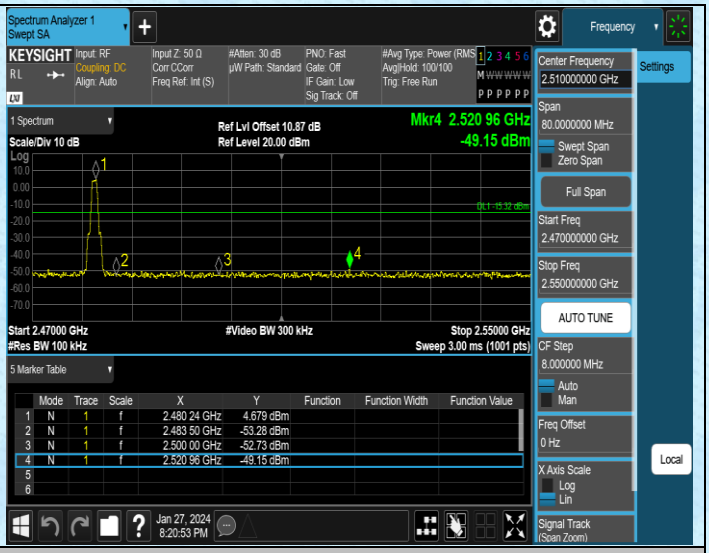
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.32	-50.23	≤-17.68	PASS
BLE_1M	Ant1	High	2480	4.68	-49.15	≤-15.32	PASS
BLE_2M	Ant1	Low	2402	0.46	-30.36	≤-19.54	PASS
BLE_2M	Ant1	High	2480	2.18	-48.85	≤-17.83	PASS

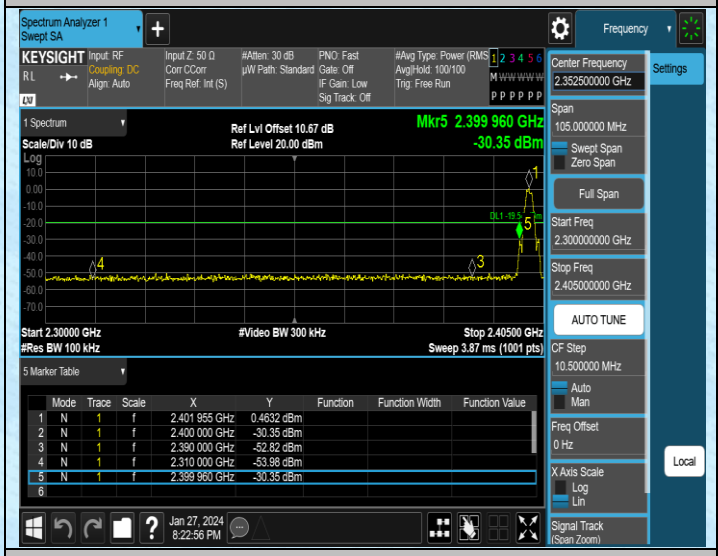
Test Graphs



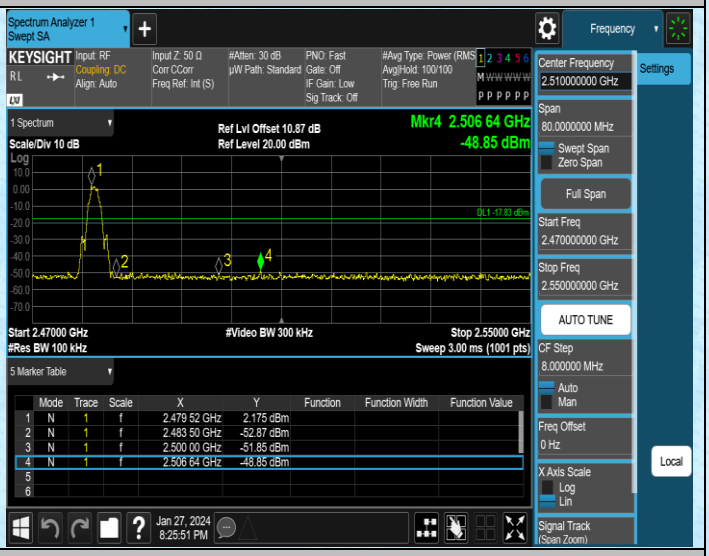
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2480-PASS

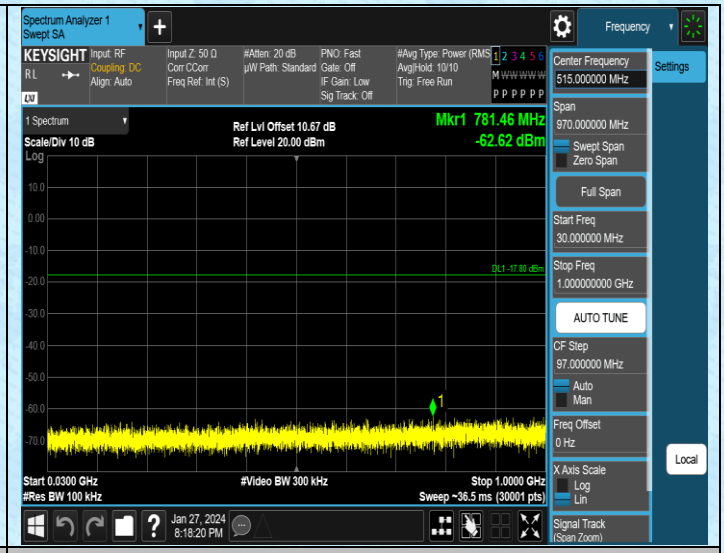
AppendixF:Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.20	2.20	---	PASS
BLE_1M	Ant1	2402	30~1000	2.20	-62.62	≤-17.8	PASS
BLE_1M	Ant1	2402	1000~26500	2.20	-49.79	≤-17.8	PASS
BLE_1M	Ant1	2440	0~Reference	3.85	3.85	---	PASS
BLE_1M	Ant1	2440	30~1000	3.85	-53.82	≤-16.15	PASS
BLE_1M	Ant1	2440	1000~26500	3.85	-49.44	≤-16.15	PASS
BLE_1M	Ant1	2480	0~Reference	4.88	4.88	---	PASS
BLE_1M	Ant1	2480	30~1000	4.88	-61.8	≤-15.12	PASS
BLE_1M	Ant1	2480	1000~26500	4.88	-49.79	≤-15.12	PASS
BLE_2M	Ant1	2402	0~Reference	1.53	1.53	---	PASS
BLE_2M	Ant1	2402	30~1000	1.53	-51.93	≤-18.47	PASS
BLE_2M	Ant1	2402	1000~26500	1.53	-49.46	≤-18.47	PASS
BLE_2M	Ant1	2440	0~Reference	3.30	3.30	---	PASS
BLE_2M	Ant1	2440	30~1000	3.30	-62.12	≤-16.7	PASS
BLE_2M	Ant1	2440	1000~26500	3.30	-50.28	≤-16.7	PASS
BLE_2M	Ant1	2480	0~Reference	4.05	4.05	---	PASS
BLE_2M	Ant1	2480	30~1000	4.05	-61.76	≤-15.95	PASS
BLE_2M	Ant1	2480	1000~26500	4.05	-50.5	≤-15.95	PASS

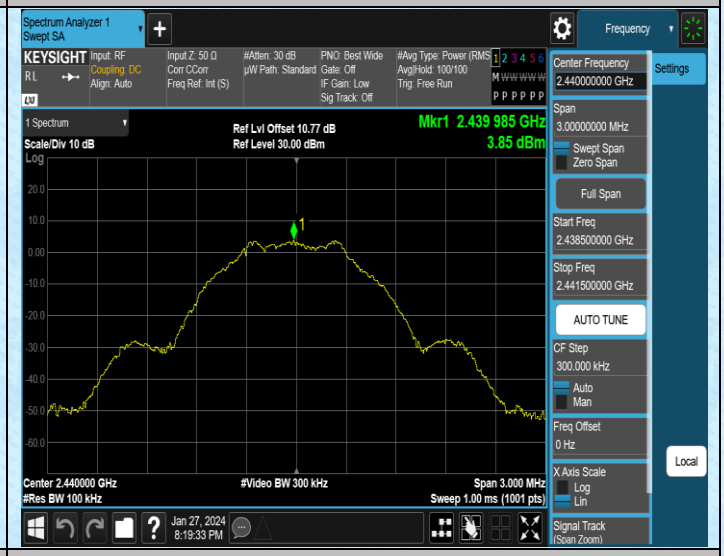
Test Graphs

BLE_1M-Ant1-2402-0~Reference-PASS

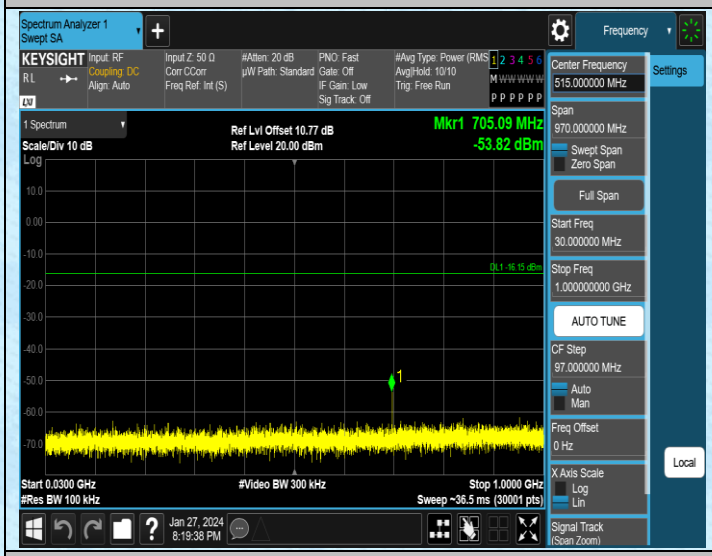


BLE_1M-Ant1-2402-30~1000-PASS

BLE_1M-Ant1-2402-1000~26500-PASS



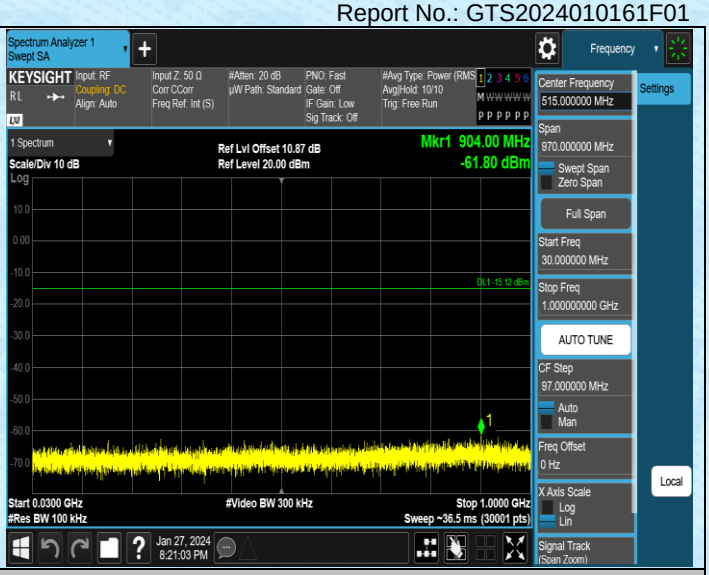
BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

BLE_1M-Ant1-2440-1000~26500-PASS

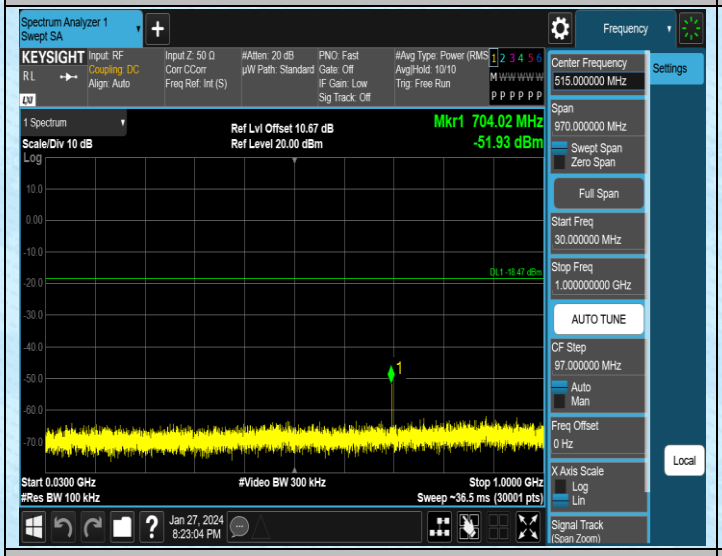
BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS

BLE_1M-Ant1-2480-1000~26500-PASS

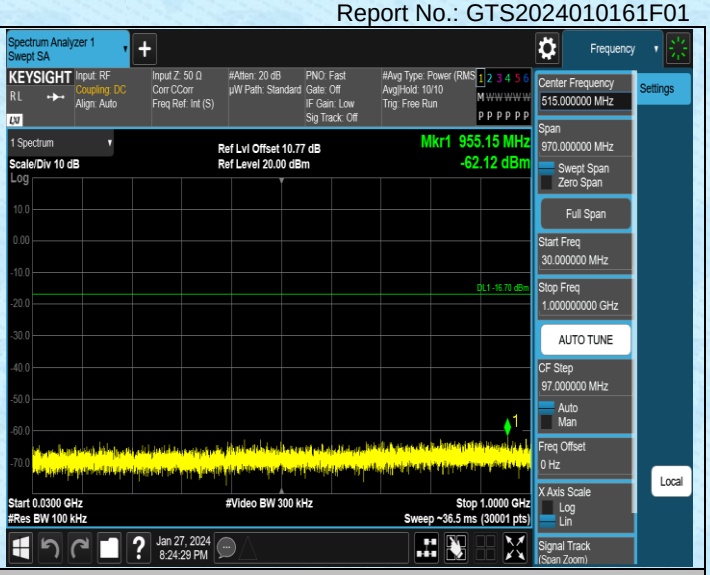
BLE_2M-Ant1-2402-0~Reference-PASS



BLE_2M-Ant1-2402-30~1000-PASS

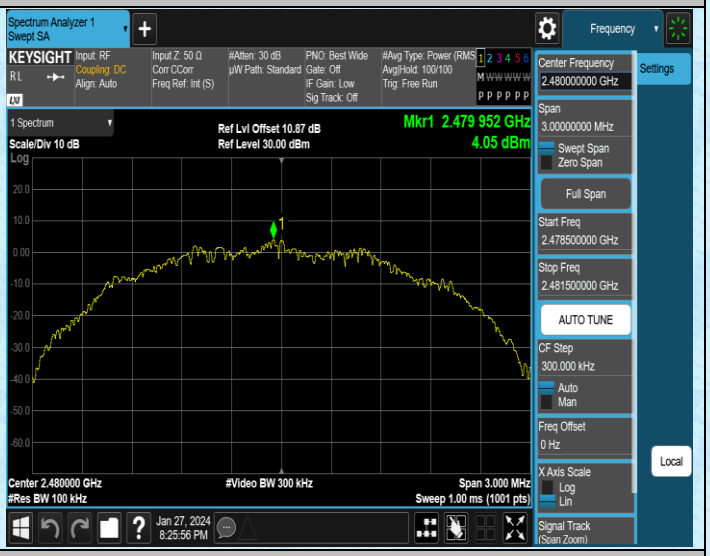
BLE_2M-Ant1-2402-1000~26500-PASS

BLE_2M-Ant1-2440-0~Reference-PASS

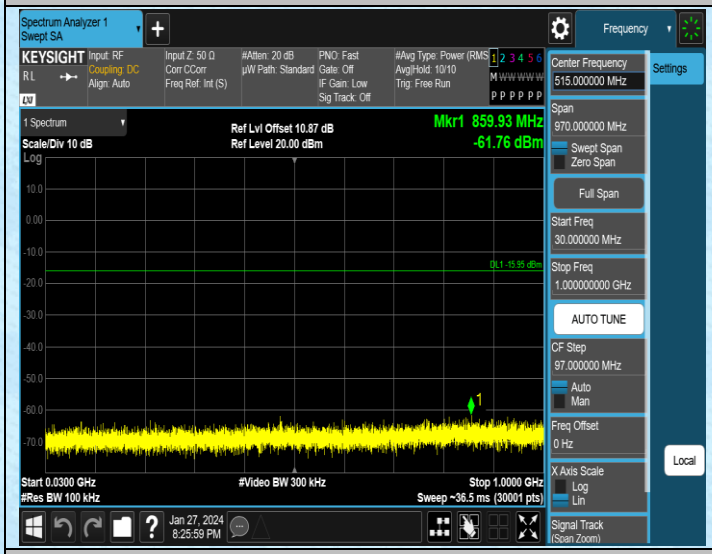


BLE_2M-Ant1-2440-30~1000-PASS

BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS

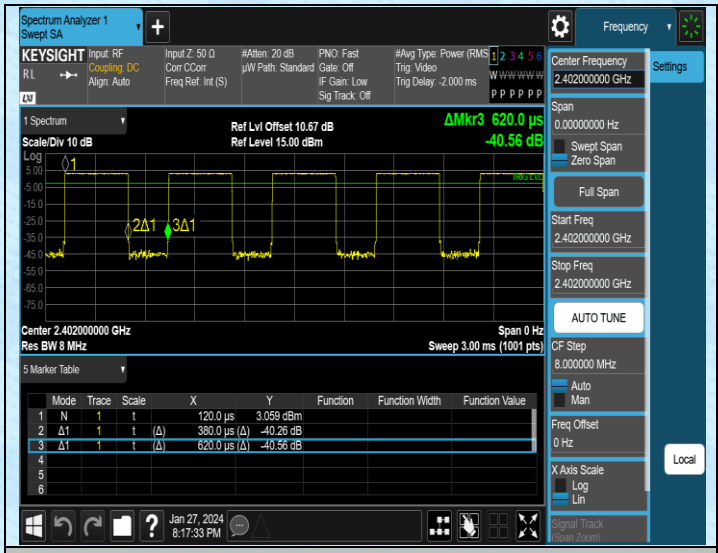
BLE_2M-Ant1-2480-1000~26500-PASS

AppendixG: Duty Cycle

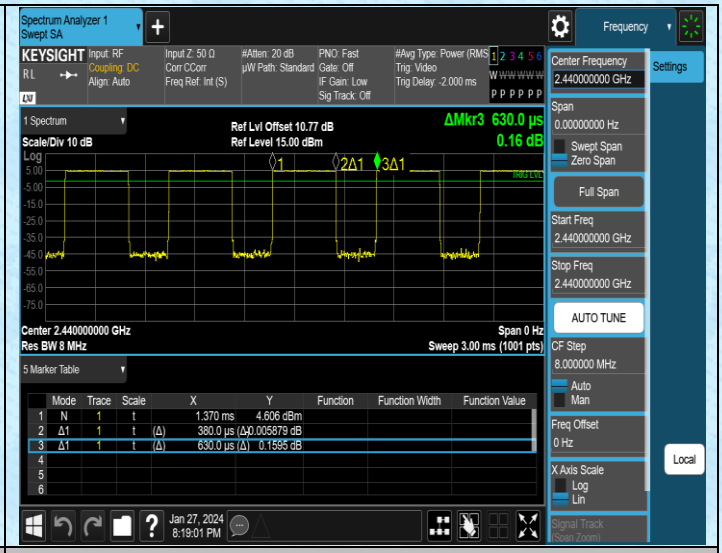
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2440	0.38	0.63	60.32	2.20
BLE_1M	Ant1	2480	0.38	0.63	60.32	2.20
BLE_2M	Ant1	2402	0.19	0.62	30.65	5.14
BLE_2M	Ant1	2440	0.20	0.63	31.75	4.98
BLE_2M	Ant1	2480	0.19	0.62	30.65	5.14

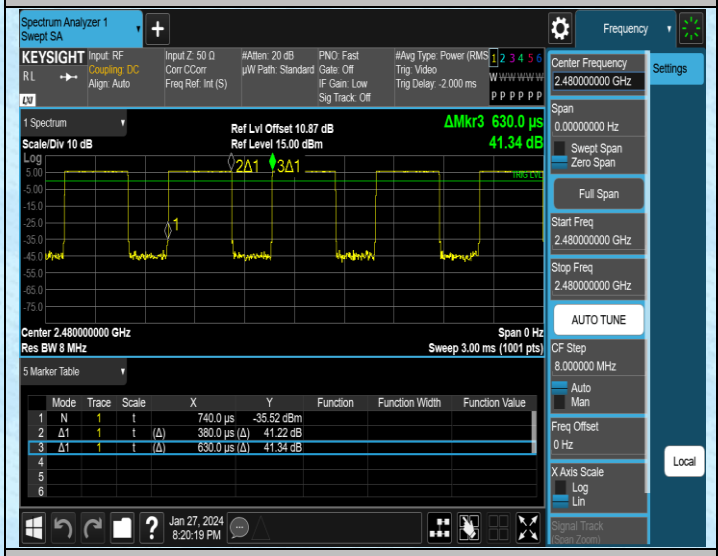
Test Graphs



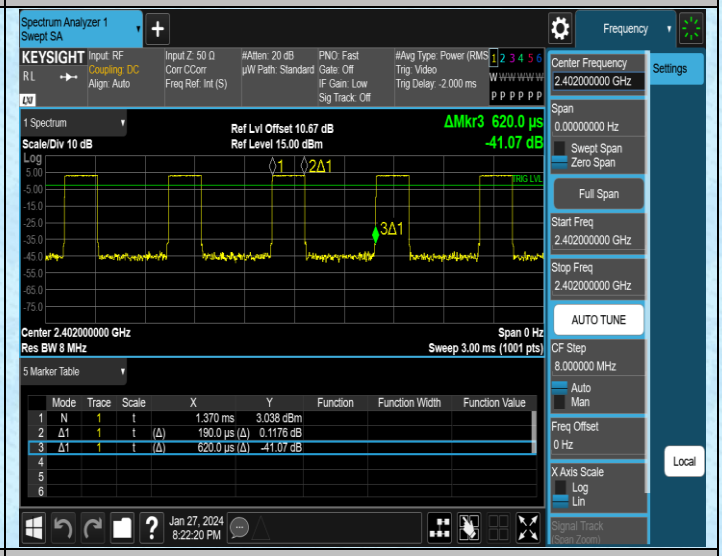
NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440

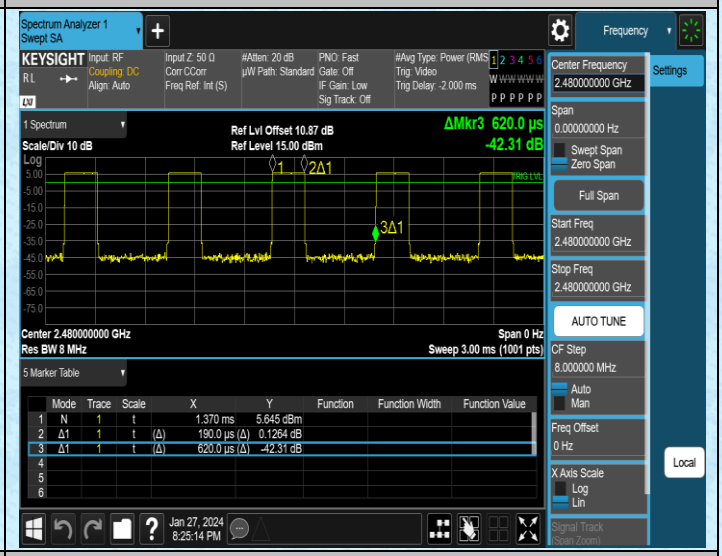


NTNV-BLE_1M-Ant1-2480



NTNV-BLE_2M-Ant1-2402

NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480

------End------