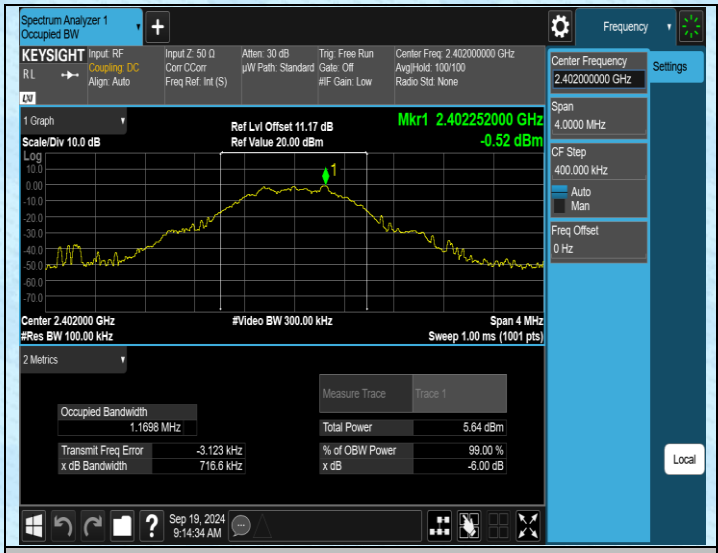
AppendixA: DTS Bandwidth

Test Result

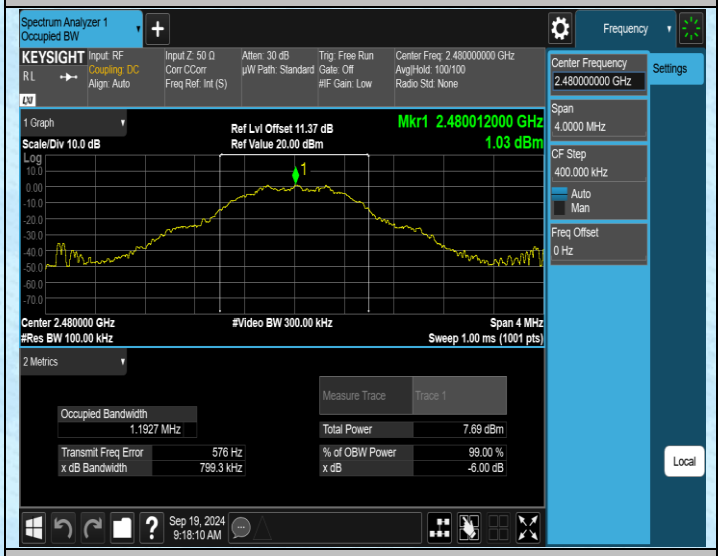
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.7166	0.5	PASS
BLE_1M	Ant1	2440	0.7443	0.5	PASS
BLE_1M	Ant1	2480	0.7993	0.5	PASS
BLE_2M	Ant1	2402	1.240	0.5	PASS
BLE_2M	Ant1	2440	1.117	0.5	PASS
BLE_2M	Ant1	2480	1.145	0.5	PASS

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

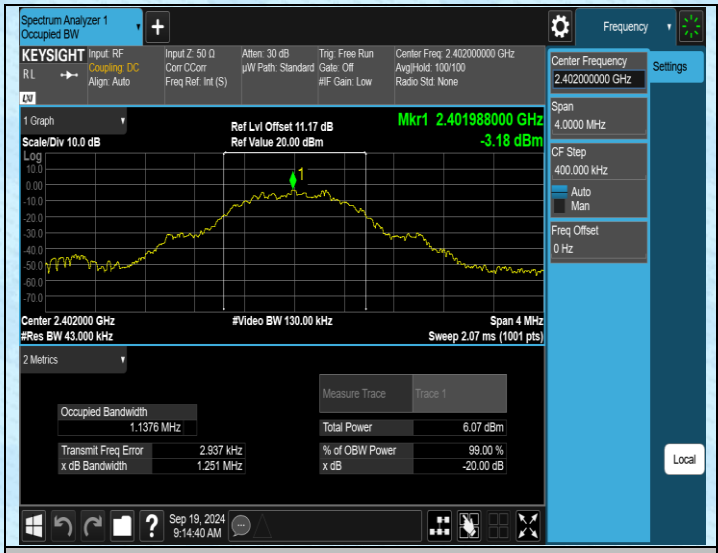
BLE_2M-Ant1-2480-PASS

AppendixB: Occupied Channel Bandwidth

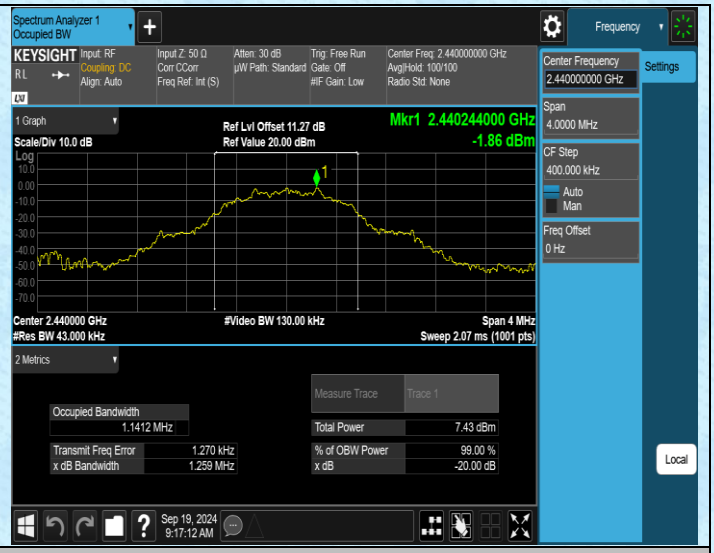
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1376	2401.4341	2402.5717	---	---
BLE_1M	Ant1	2440	1.1412	2439.4307	2440.5719	---	---
BLE_1M	Ant1	2480	1.1653	2479.4200	2480.5853	---	---
BLE_2M	Ant1	2402	2.0690	2400.9894	2403.0584	---	---
BLE_2M	Ant1	2440	2.0768	2438.9788	2441.0556	---	---
BLE_2M	Ant1	2480	2.0801	2478.9744	2481.0545	---	---

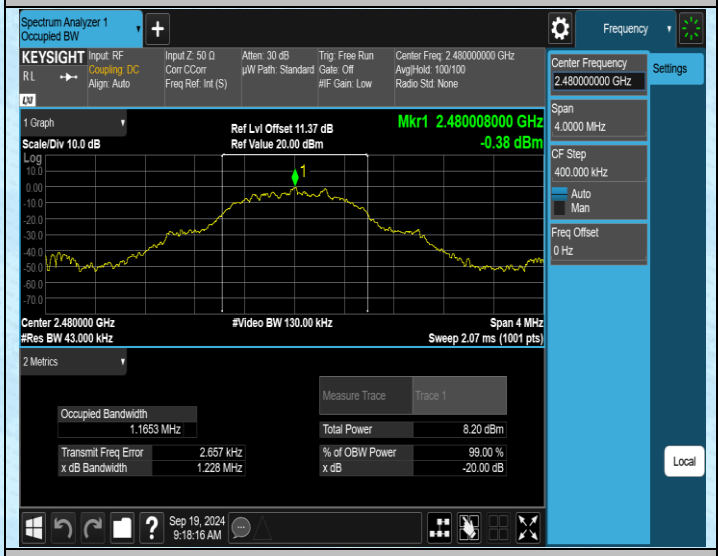
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

BLE_2M-Ant1-2402

BLE_2M-Ant1-2440

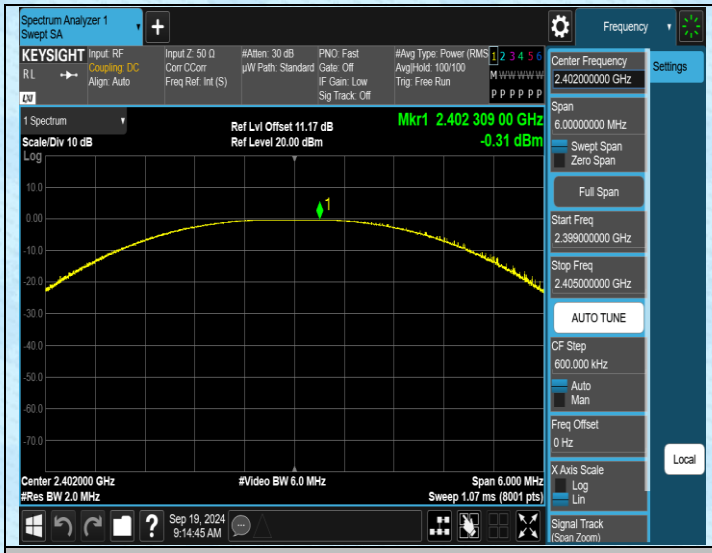
BLE_2M-Ant1-2480

AppendixC: Maximum conducted output power

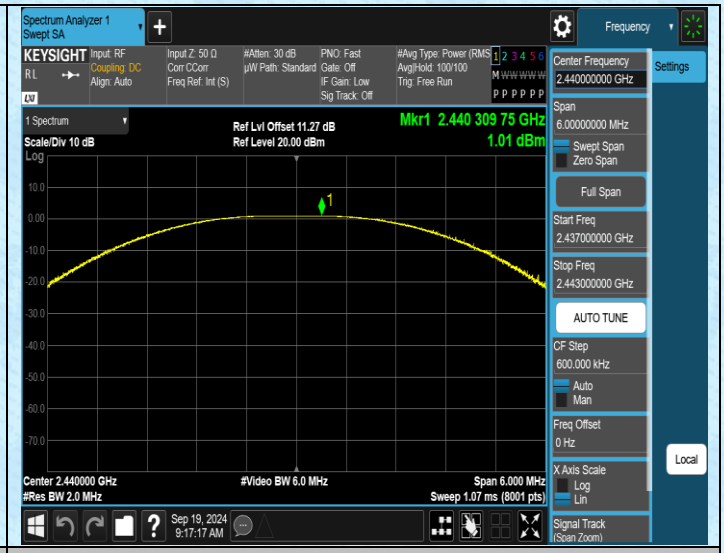
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.31	≤30	PASS
BLE_1M	Ant1	2440	1.01	≤30	PASS
BLE_1M	Ant1	2480	1.97	≤30	PASS
BLE_2M	Ant1	2402	-0.3	≤30	PASS
BLE_2M	Ant1	2440	1.00	≤30	PASS
BLE_2M	Ant1	2480	1.97	≤30	PASS

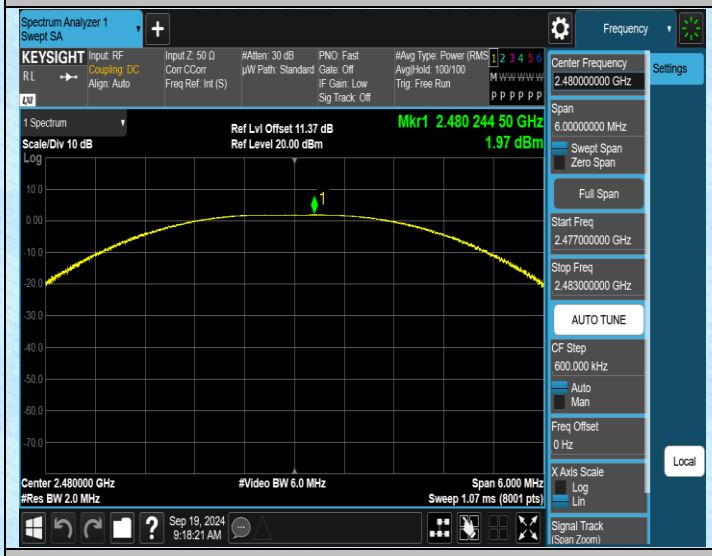
Test Graphs



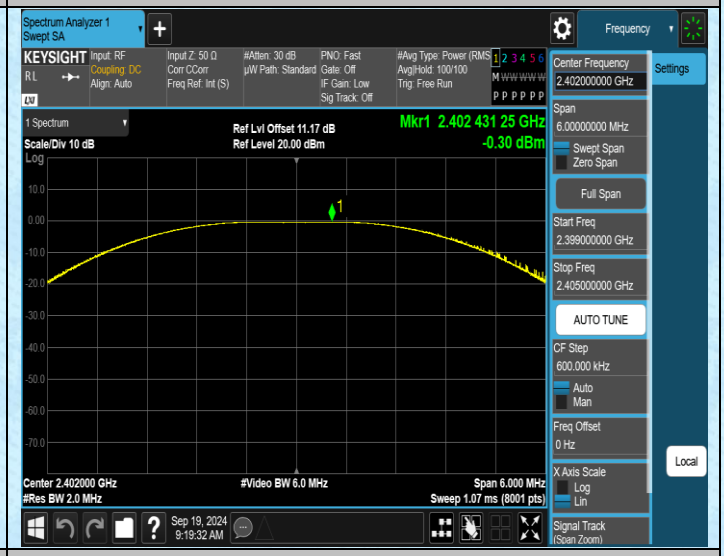
BLE_1M-Ant1-2402-PASS



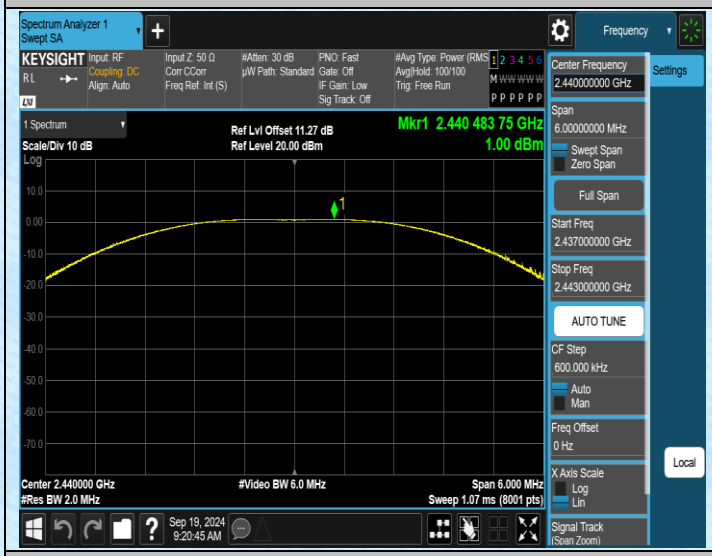
BLE_1M-Ant1-2440-PASS



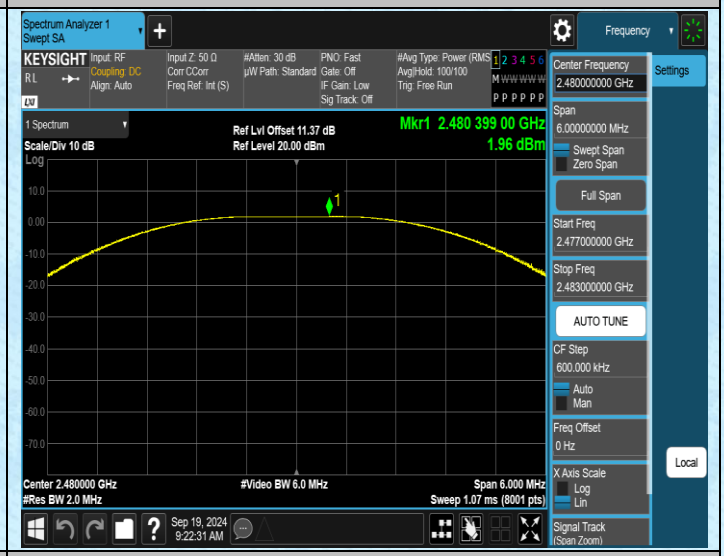
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



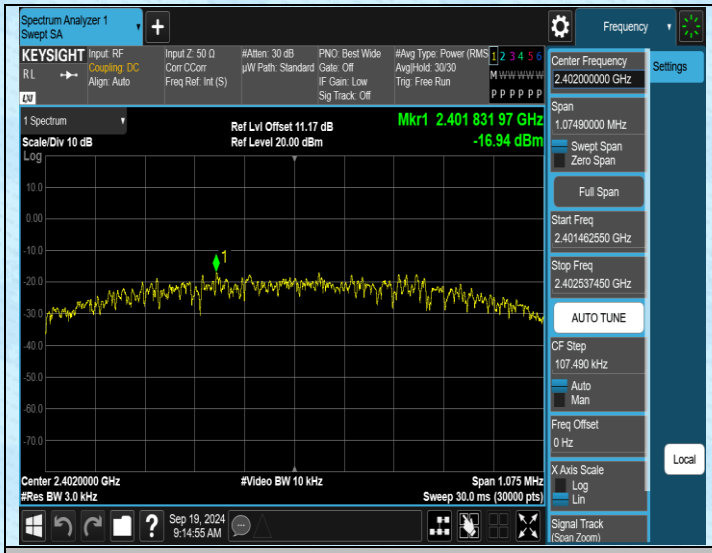
BLE_2M-Ant1-2480-PASS

AppendixD: Maximum power spectral density

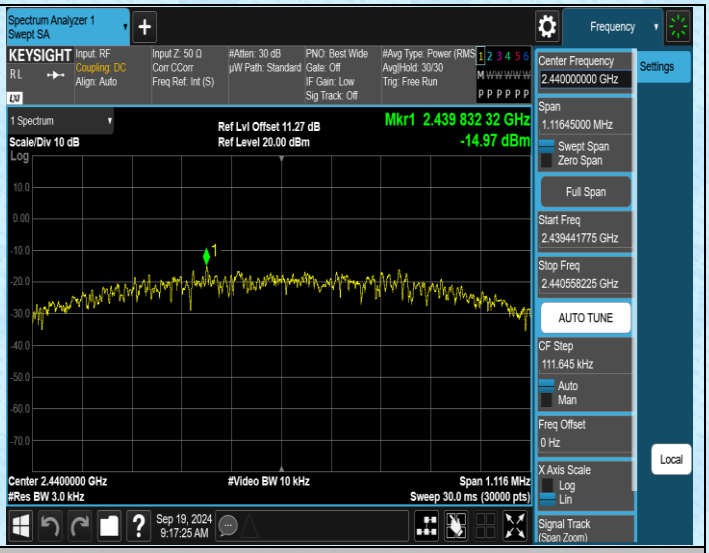
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.94	≤8.00	PASS
BLE_1M	Ant1	2440	-14.97	≤8.00	PASS
BLE_1M	Ant1	2480	-13.99	≤8.00	PASS
BLE_2M	Ant1	2402	-19.31	≤8.00	PASS
BLE_2M	Ant1	2440	-17.72	≤8.00	PASS
BLE_2M	Ant1	2480	-17.06	≤8.00	PASS

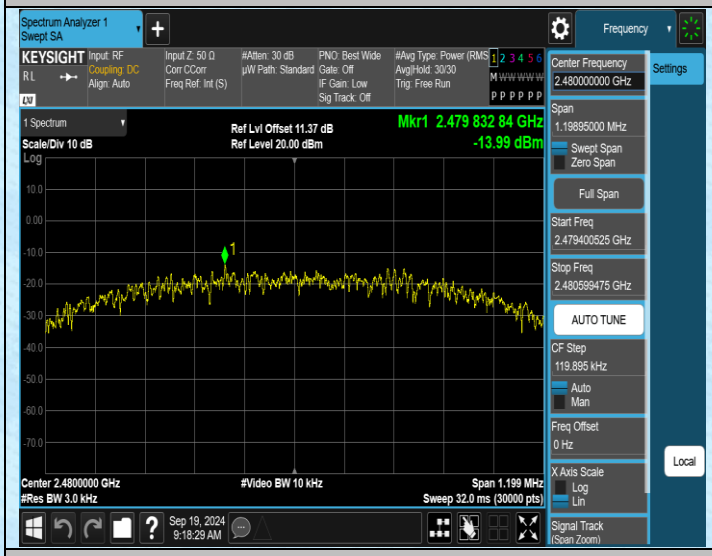
Test Graphs



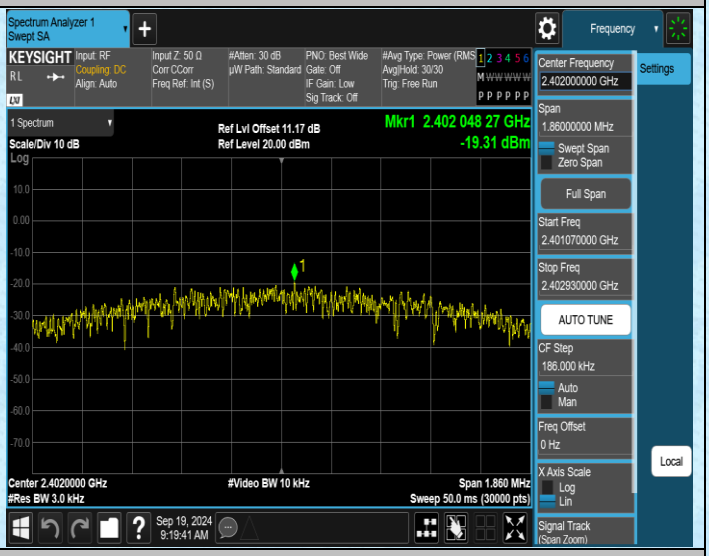
BLE_1M-Ant1-2402-PASS



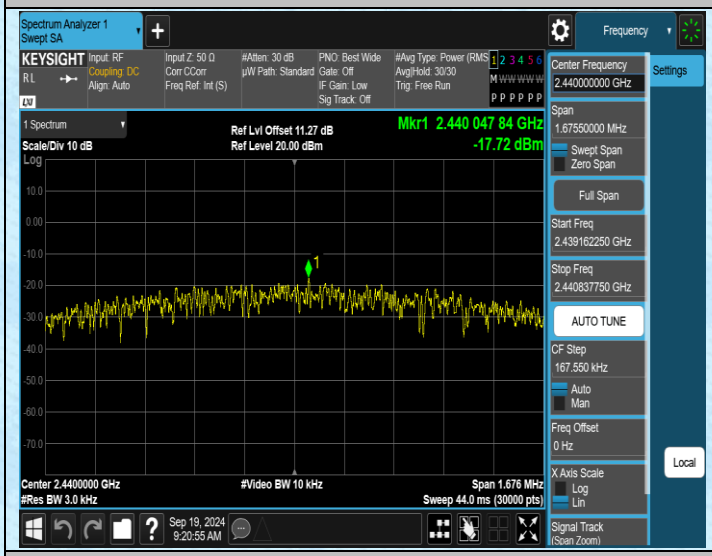
BLE_1M-Ant1-2440-PASS



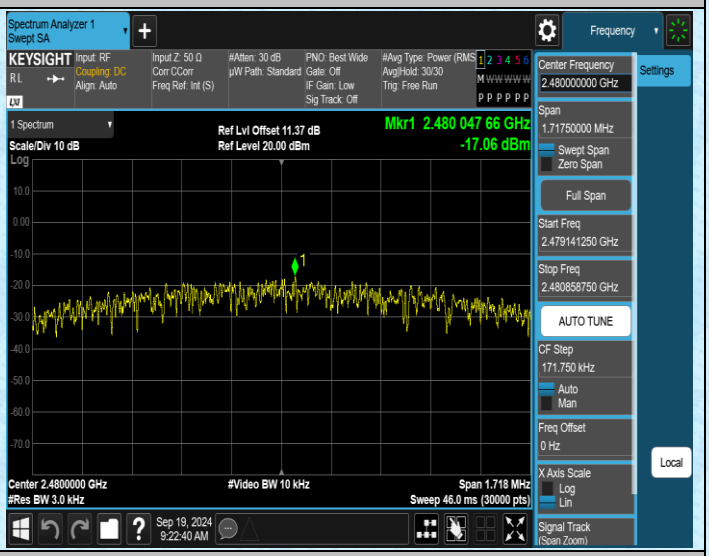
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



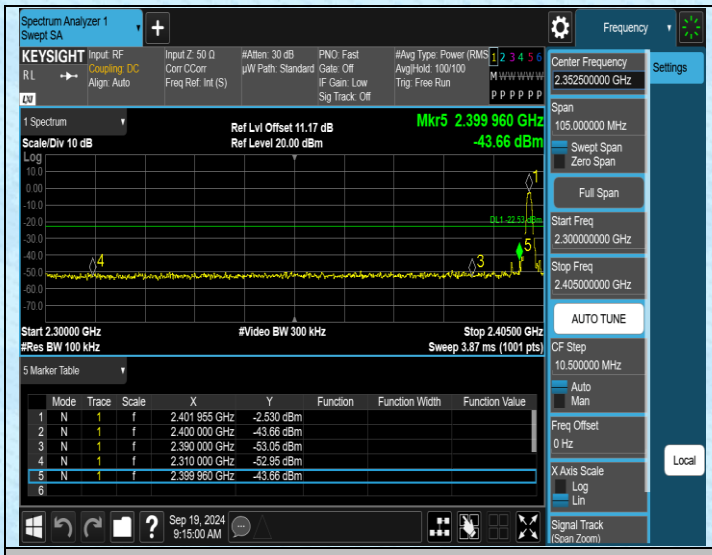
BLE_2M-Ant1-2480-PASS

AppendixE:Band edge measurements

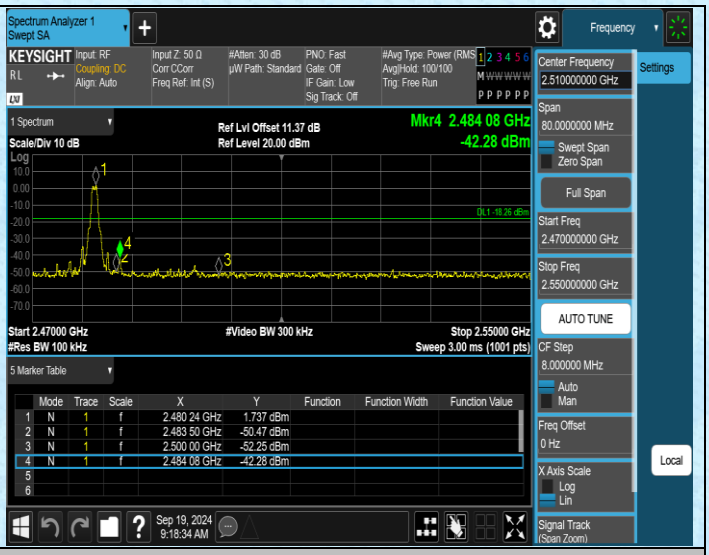
Test Result

Test Mode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.53	-43.66	≤-22.53	PASS
BLE_1M	Ant1	High	2480	1.74	-42.28	≤-18.26	PASS
BLE_2M	Ant1	Low	2402	-2.77	-32.9	≤-22.77	PASS
BLE_2M	Ant1	High	2480	0.41	-43.26	≤-19.59	PASS

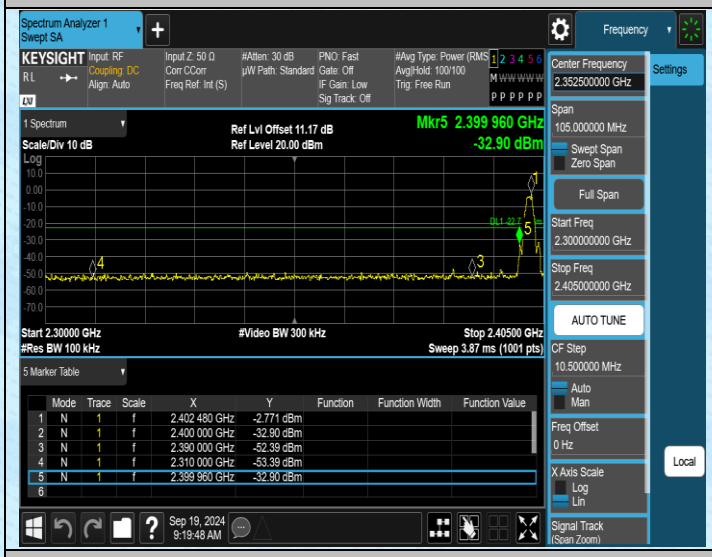
Test Graphs



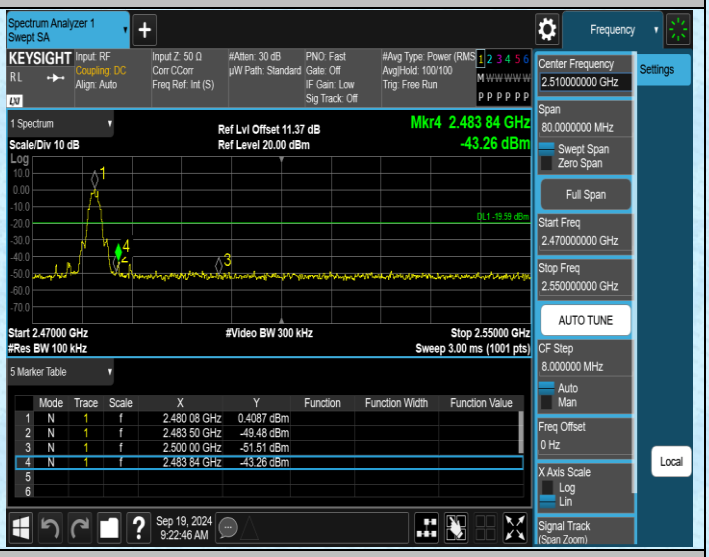
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2480-PASS

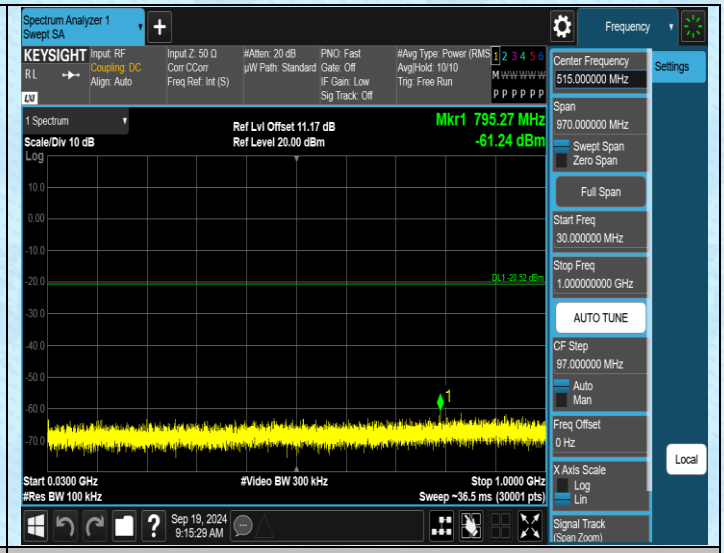
AppendixF:Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.52	-0.52	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.52	-61.24	≤-20.52	PASS
BLE_1M	Ant1	2402	1000~26500	-0.52	-36.7	≤-20.52	PASS
BLE_1M	Ant1	2440	0~Reference	0.47	0.47	---	PASS
BLE_1M	Ant1	2440	30~1000	0.47	-61.45	≤-19.53	PASS
BLE_1M	Ant1	2440	1000~26500	0.47	-35.46	≤-19.53	PASS
BLE_1M	Ant1	2480	0~Reference	1.76	1.76	---	PASS
BLE_1M	Ant1	2480	30~1000	1.76	-61.19	≤-18.24	PASS
BLE_1M	Ant1	2480	1000~26500	1.76	-32.16	≤-18.24	PASS
BLE_2M	Ant1	2402	0~Reference	-1.24	-1.24	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.24	-62.14	≤-21.24	PASS
BLE_2M	Ant1	2402	1000~26500	-1.24	-36.04	≤-21.24	PASS
BLE_2M	Ant1	2440	0~Reference	0.09	0.09	---	PASS
BLE_2M	Ant1	2440	30~1000	0.09	-61.26	≤-19.91	PASS
BLE_2M	Ant1	2440	1000~26500	0.09	-35.8	≤-19.91	PASS
BLE_2M	Ant1	2480	0~Reference	1.17	1.17	---	PASS
BLE_2M	Ant1	2480	30~1000	1.17	-60.43	≤-18.83	PASS
BLE_2M	Ant1	2480	1000~26500	1.17	-32.26	≤-18.83	PASS

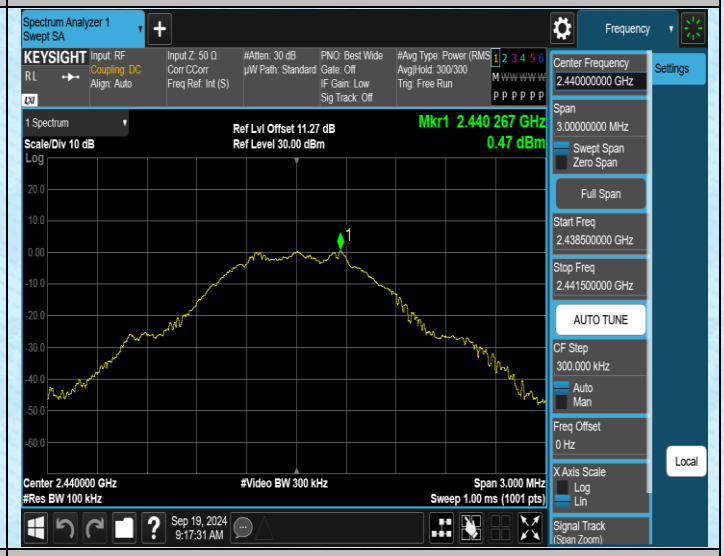
Test Graphs

BLE_1M-Ant1-2402-0~Reference-PASS

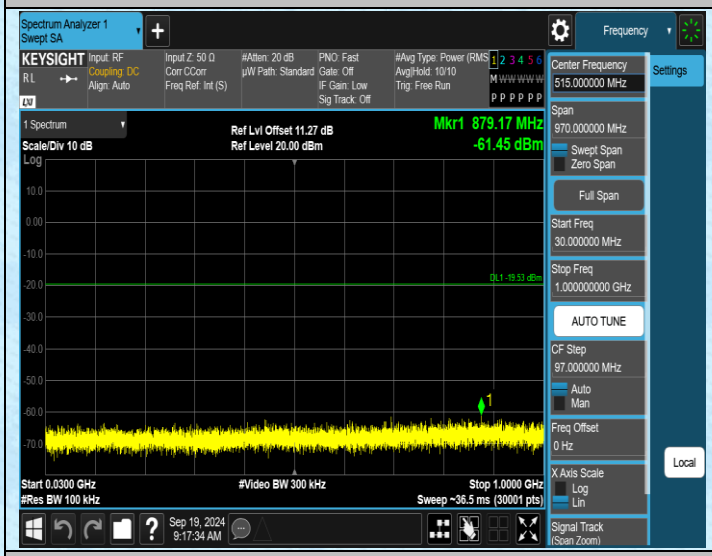


BLE_1M-Ant1-2402-30~1000-PASS

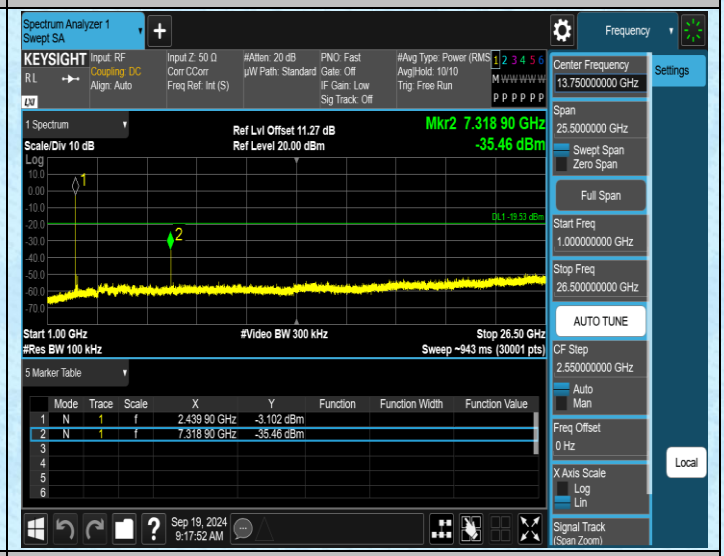
BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS

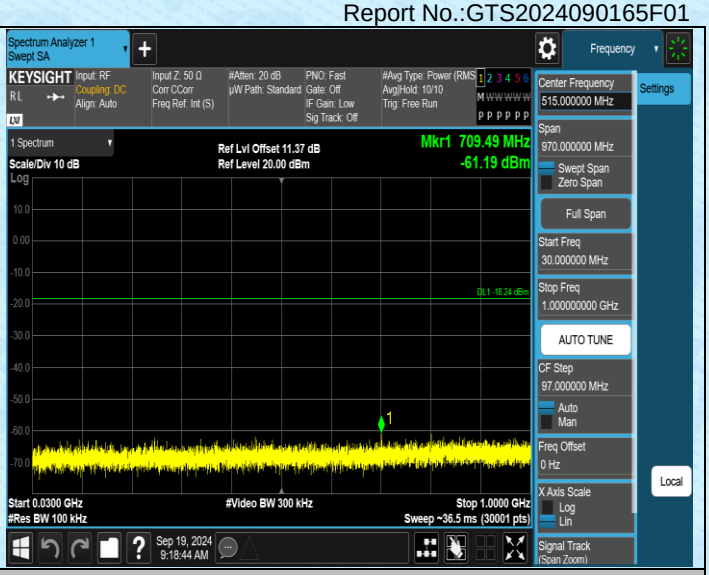


BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

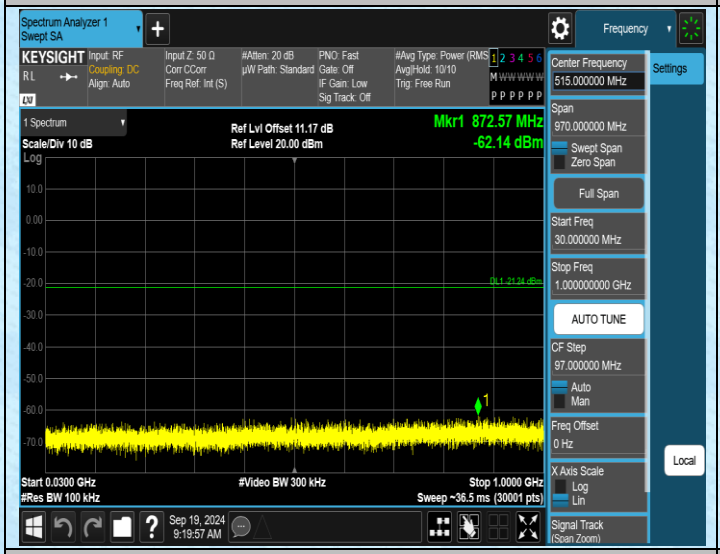
BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS

BLE_1M-Ant1-2480-1000~26500-PASS

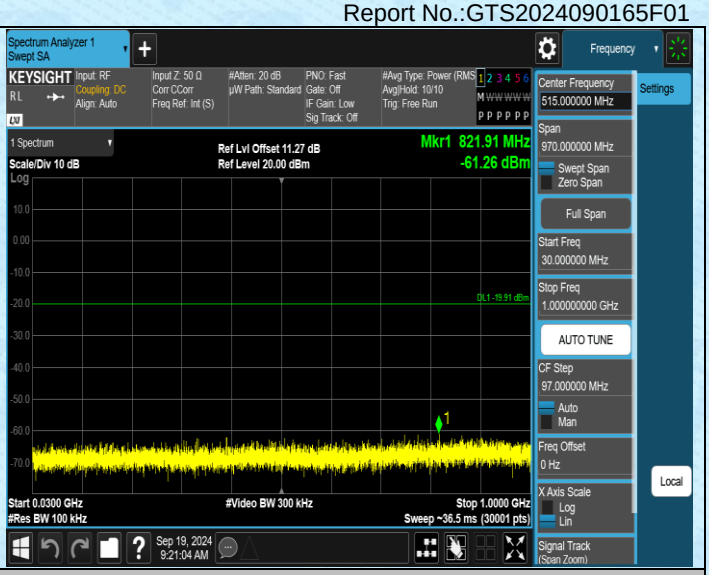
BLE_2M-Ant1-2402-0~Reference-PASS



BLE_2M-Ant1-2402-30~1000-PASS

BLE_2M-Ant1-2402-1000~26500-PASS

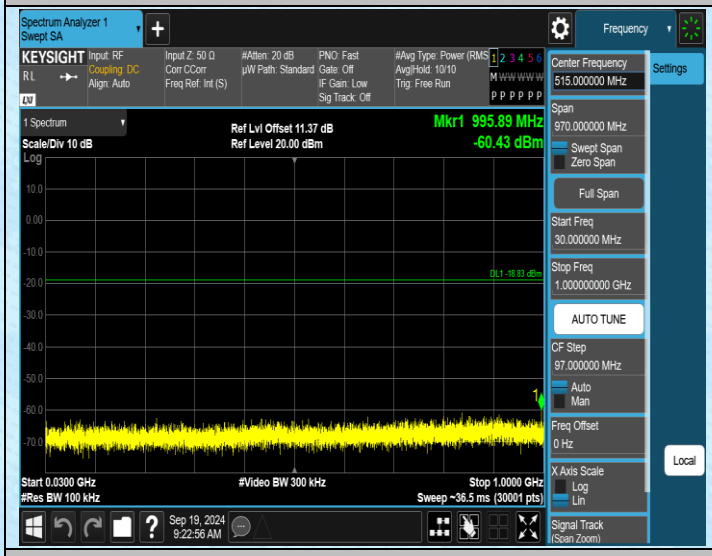
BLE_2M-Ant1-2440-0~Reference-PASS



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

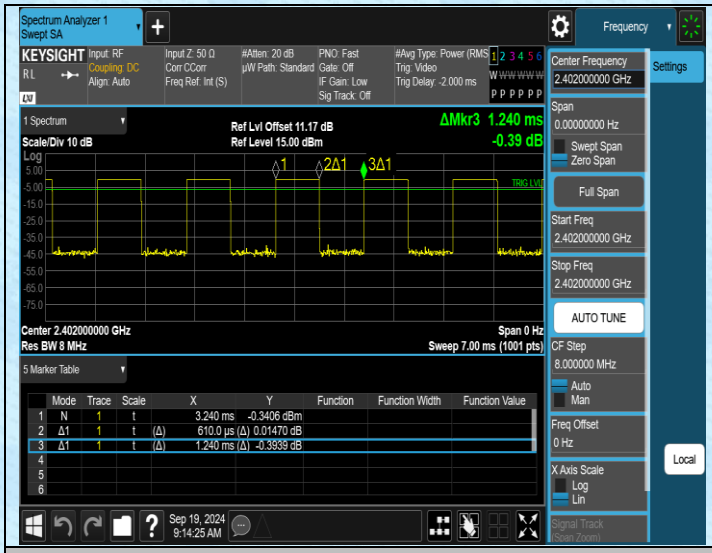
BLE_2M-Ant1-2480-1000~26500-PASS

AppendixG: Duty Cycle

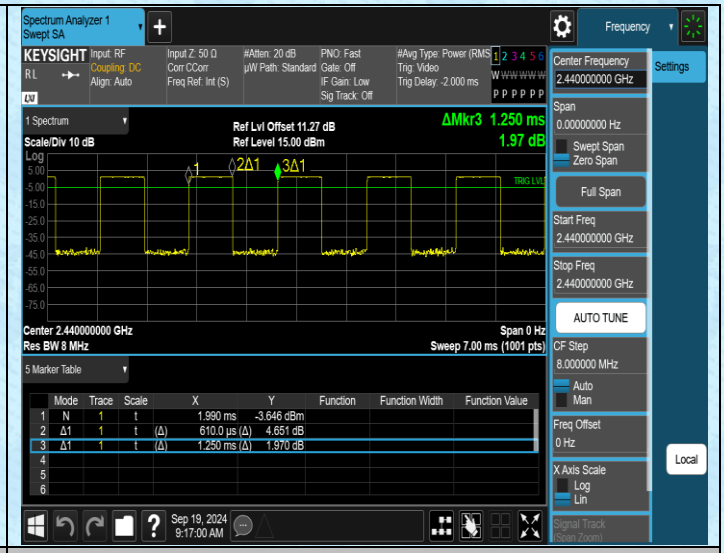
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.61	1.24	49.19	3.08
BLE_1M	Ant1	2440	0.61	1.25	48.80	3.12
BLE_1M	Ant1	2480	0.61	1.25	48.80	3.12
BLE_2M	Ant1	2402	0.31	0.63	49.21	3.08
BLE_2M	Ant1	2440	0.31	0.63	49.21	3.08
BLE_2M	Ant1	2480	0.31	0.63	49.21	3.08

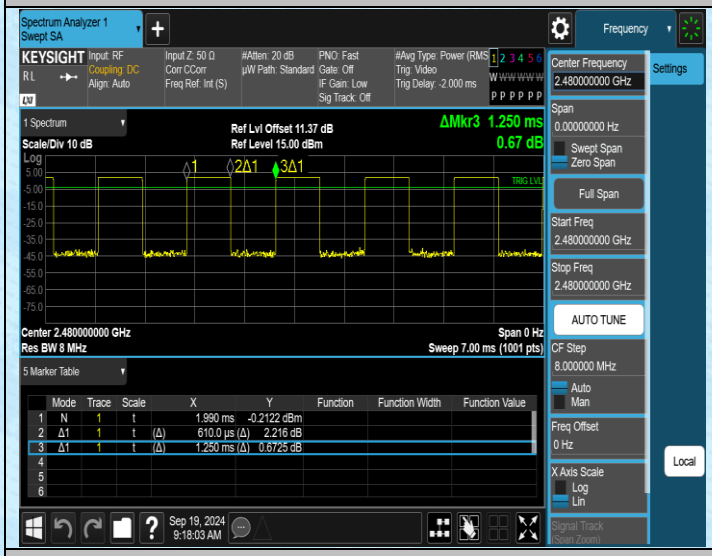
Test Graphs



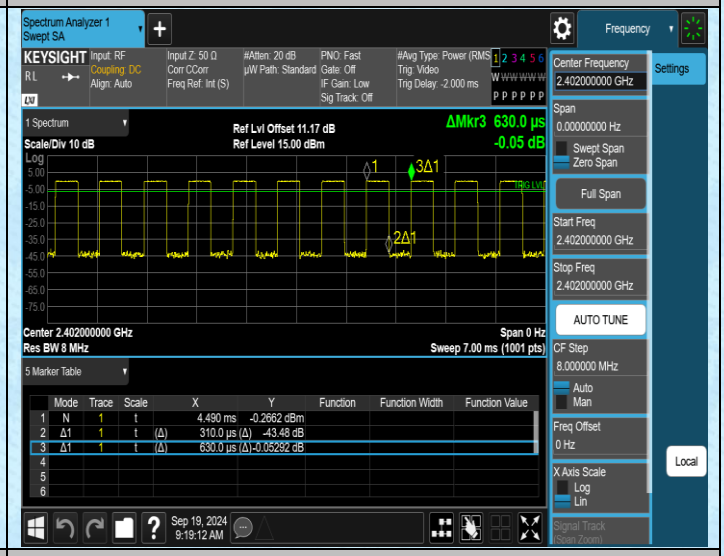
NTNV-BLE_1M-Ant1-2402



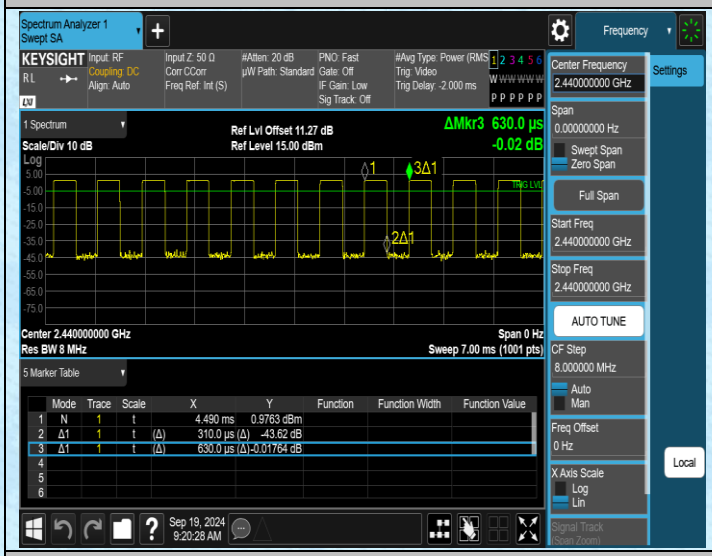
NTNV-BLE_1M-Ant1-2440



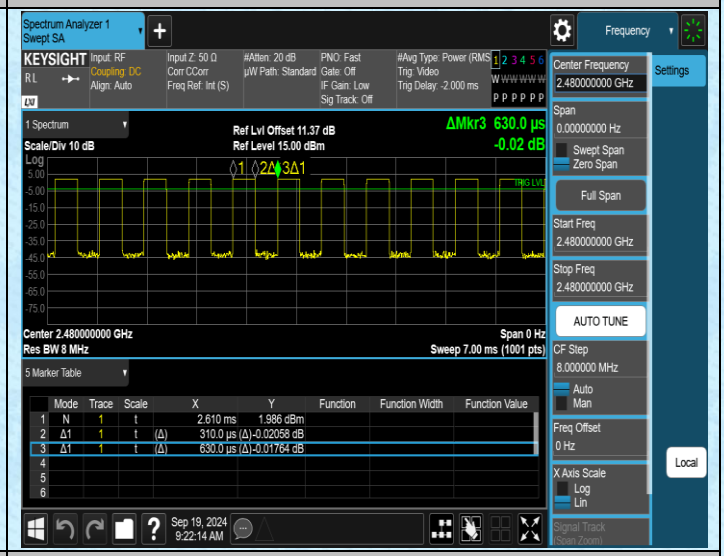
NTNV-BLE_1M-Ant1-2480



NTNV-BLE_2M-Ant1-2402



NTNV-BLE_2M-Ant1-2440



NTNV-BLE_2M-Ant1-2480

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