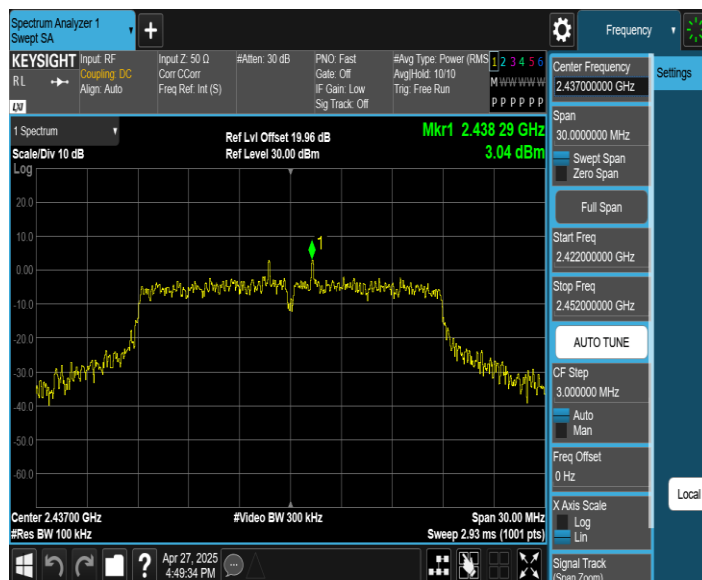
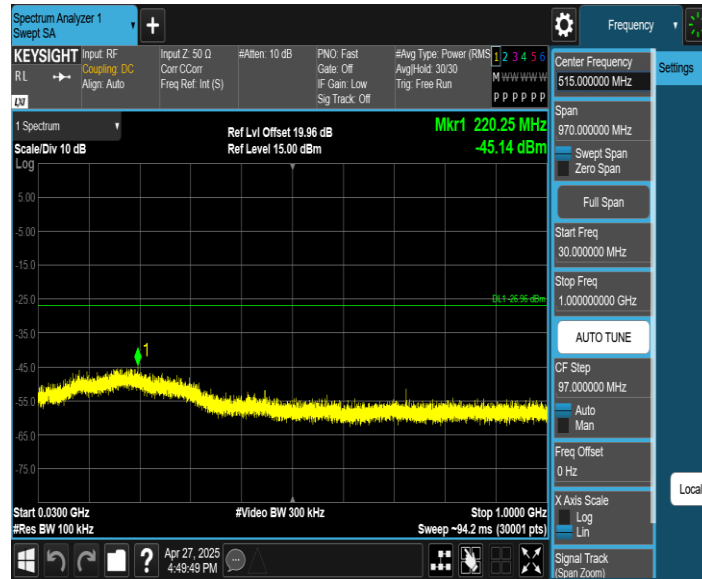




11N20SISO_Ant1_2437_0~Reference



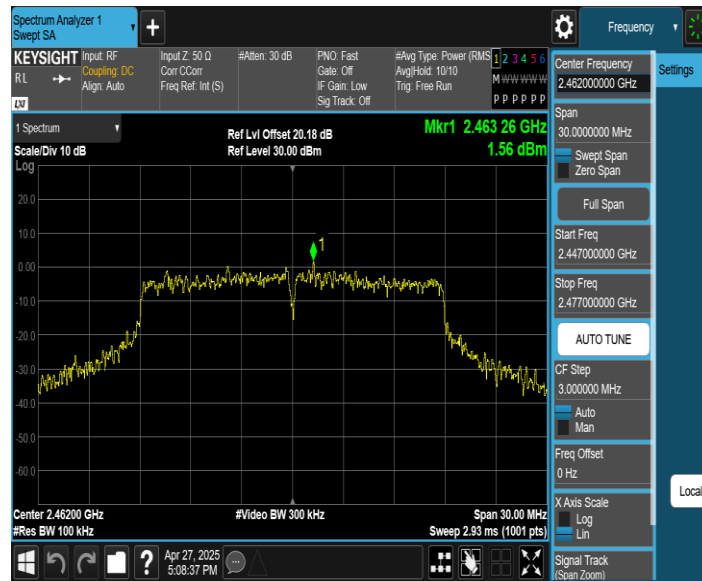
11N20SISO_Ant1_2437_30~1000



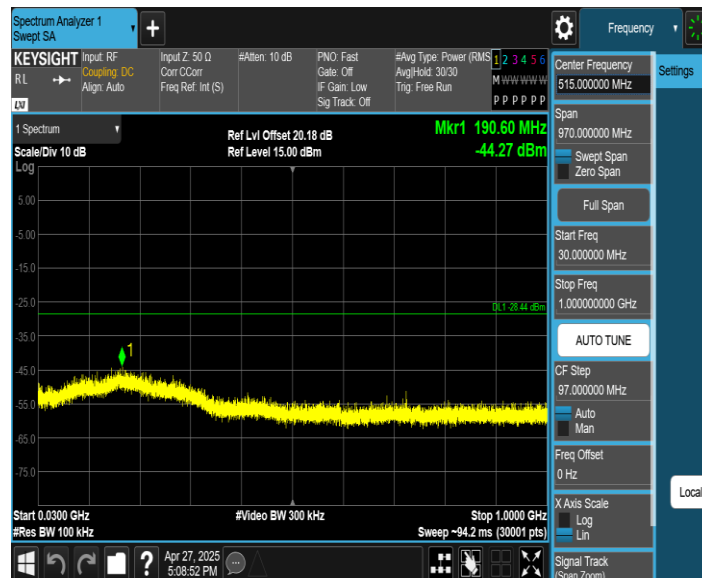
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



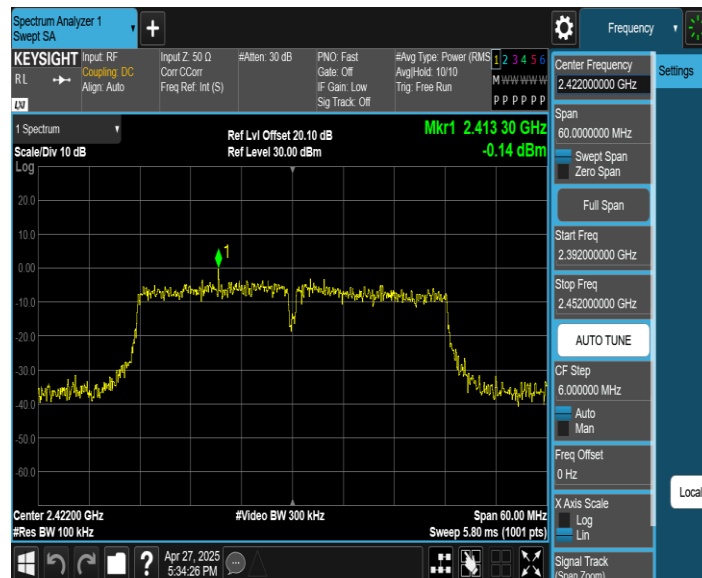
11N20SISO_Ant1_2462_30~1000



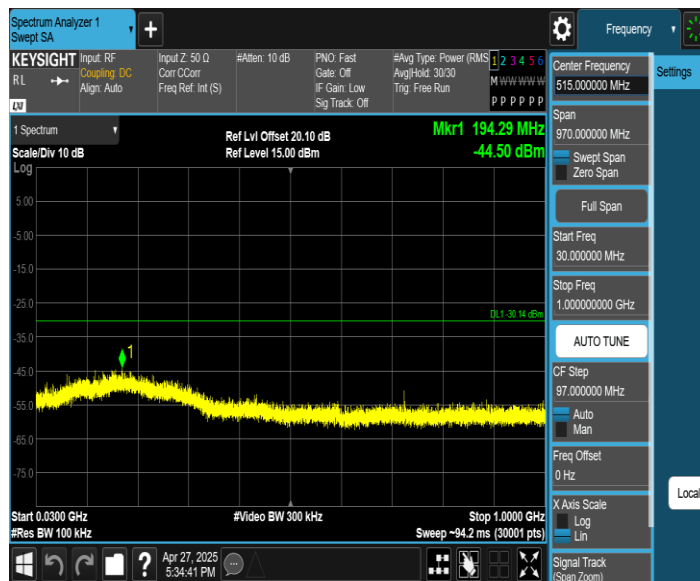
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



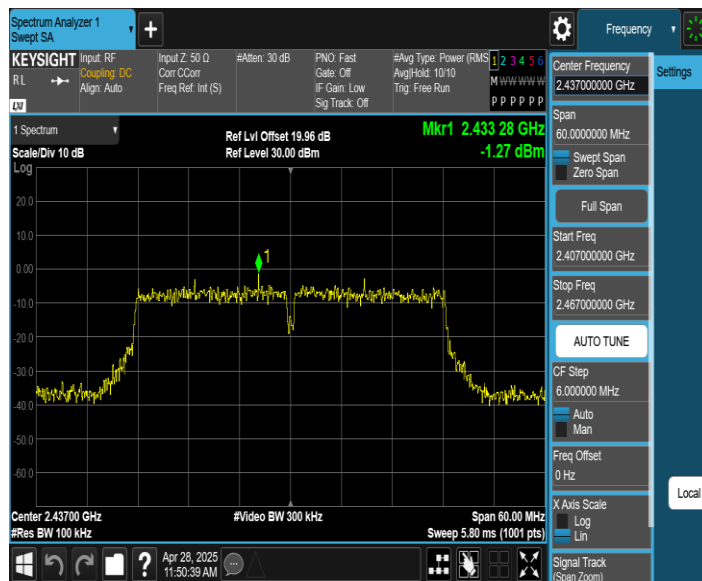
11N40SISO_Ant1_2422_30~1000



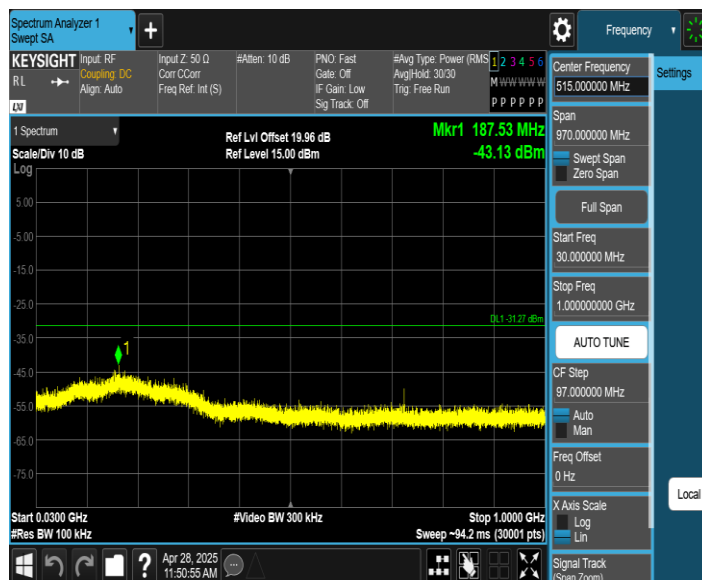
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



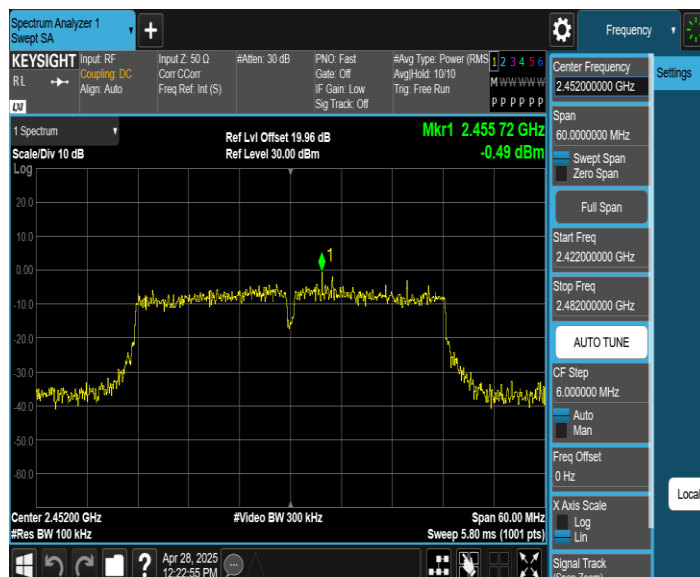
11N40SISO_Ant1_2437_30~1000



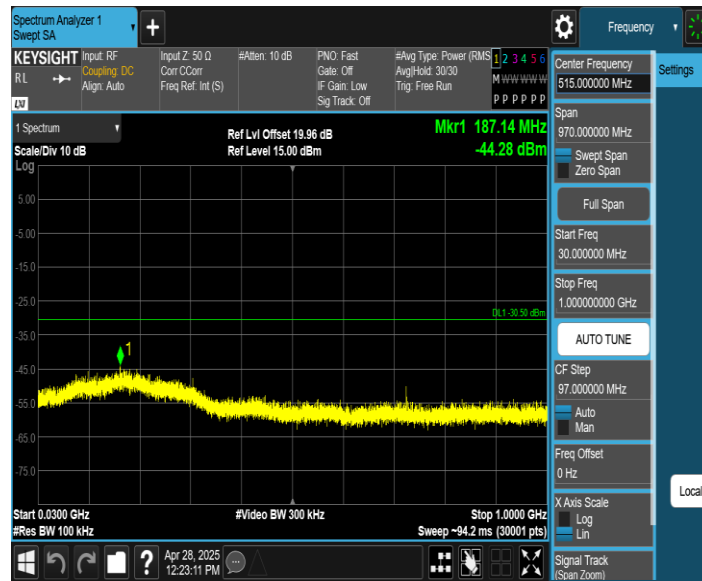
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

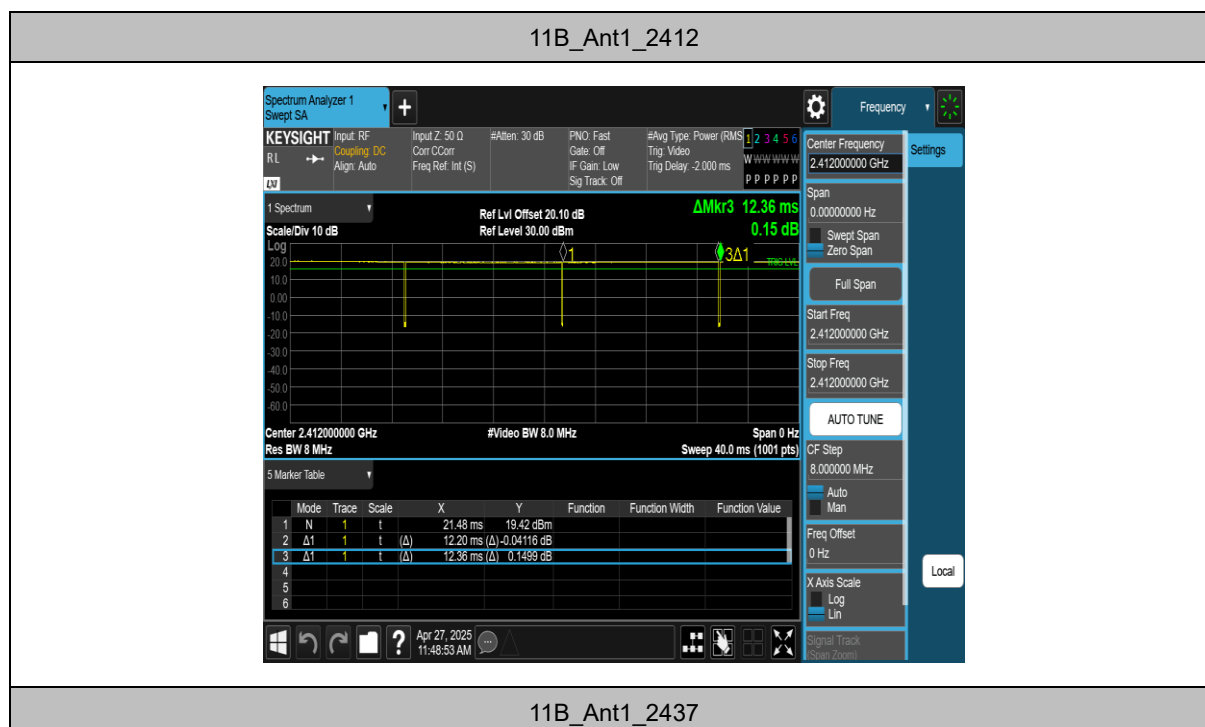


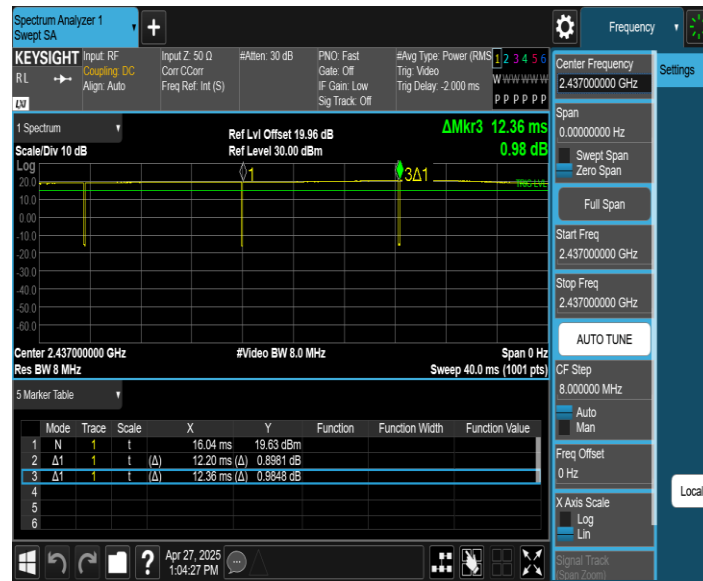
DUTY CYCLE

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.20	12.36	98.71	0.06
		2437	12.20	12.36	98.71	0.06
		2462	12.20	12.32	99.03	0.04
11G	Ant1	2412	2.02	2.06	98.06	0.09
		2437	2.03	2.07	98.07	0.08
		2462	2.02	2.06	98.06	0.09
11N20SISO	Ant1	2412	1.89	1.93	97.93	0.09
		2437	1.89	1.93	97.93	0.09
		2462	1.88	1.92	97.92	0.09
11N40SISO	Ant1	2422	0.93	0.98	94.90	0.23
		2437	0.92	0.97	94.85	0.23
		2452	0.93	0.98	94.90	0.23

TEST GRAPHS

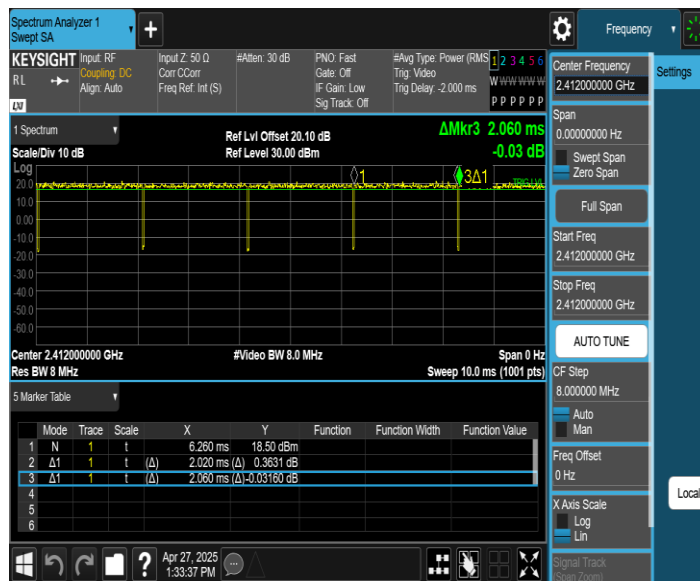




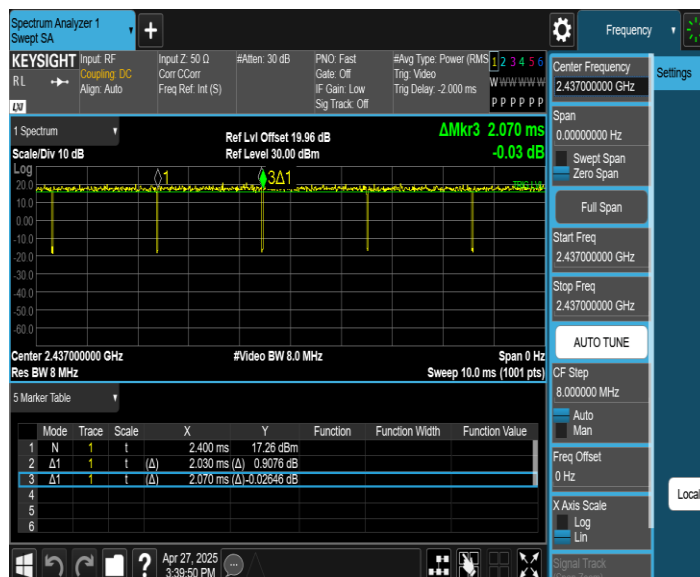
11B_Ant1_2462



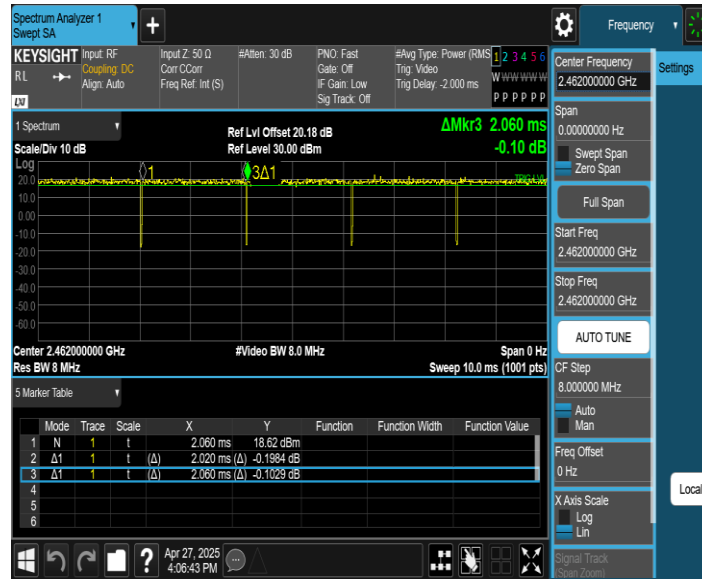
11G_Ant1_2412



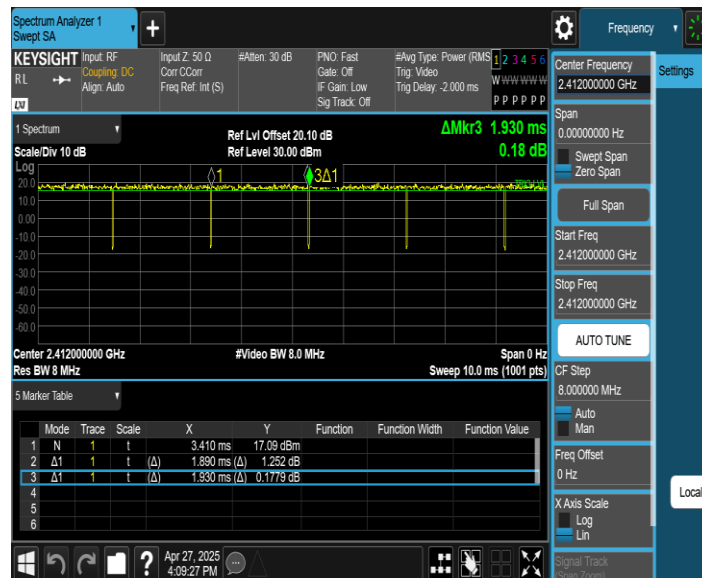
11G_Ant1_2437



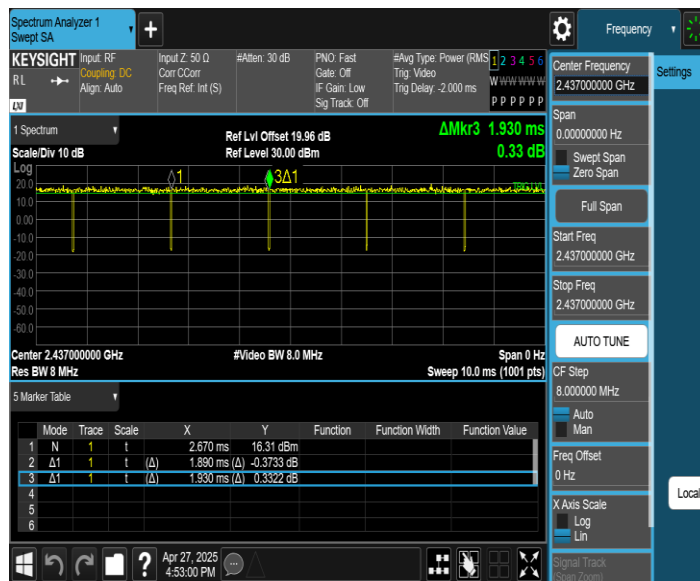
11G_Ant1_2462



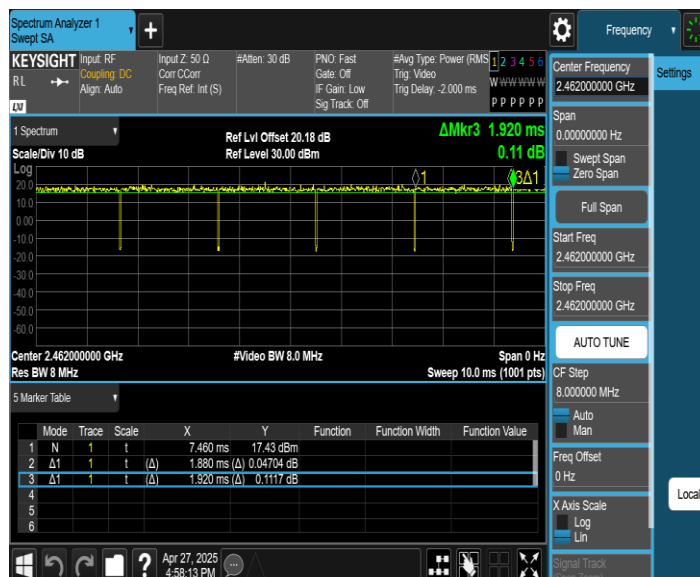
11N20SISO_Ant1_2412



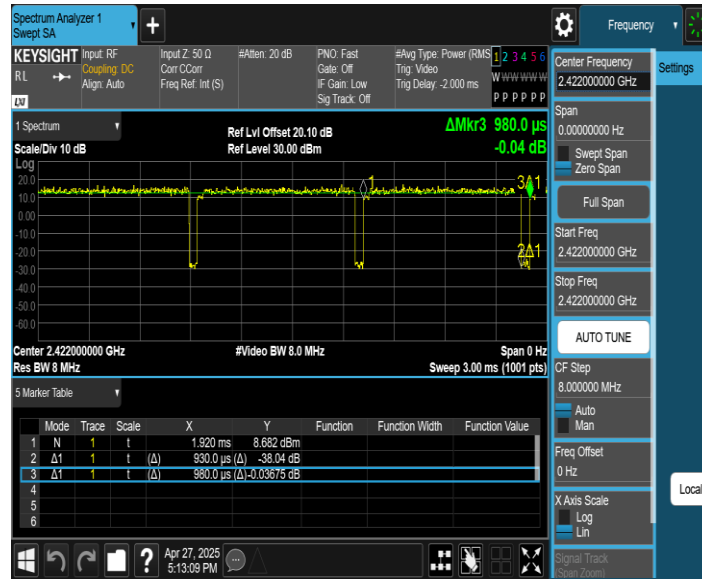
11N20SISO_Ant1_2437



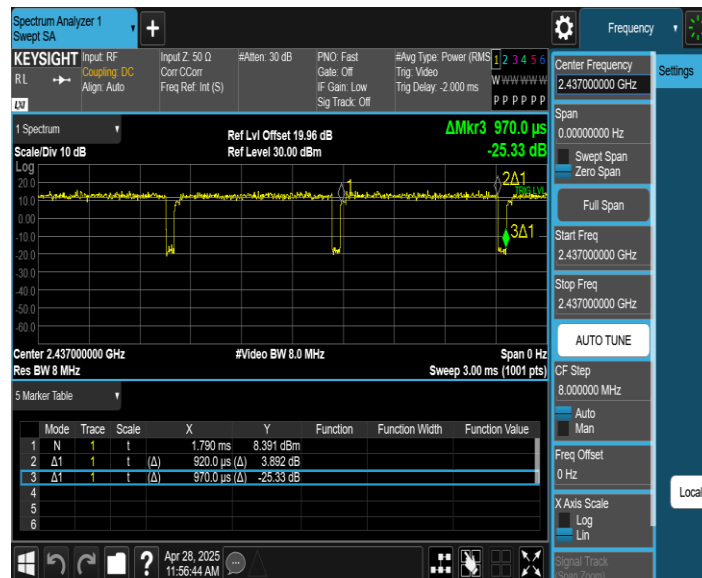
11N20SISO_Ant1_2462



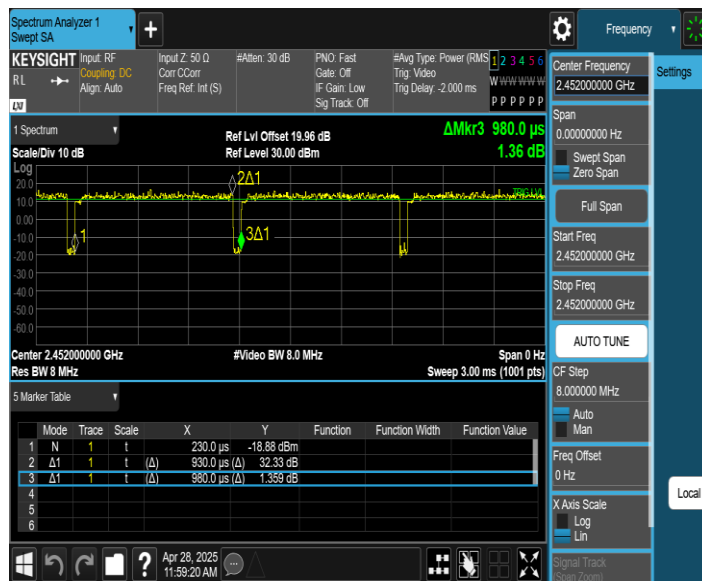
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



7 APPENDIX A:BLE

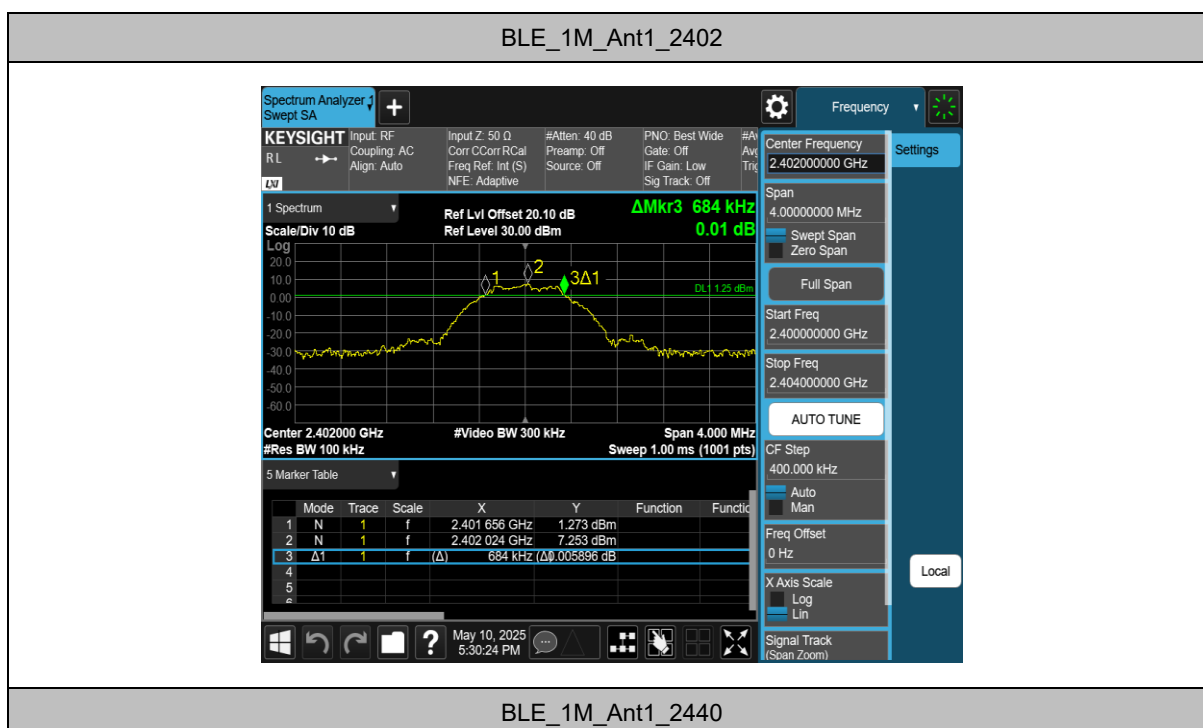
Case No. : <u>NA</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,
Test Date: <u>NA</u> Test Engineer: <u>Alan Yu</u>

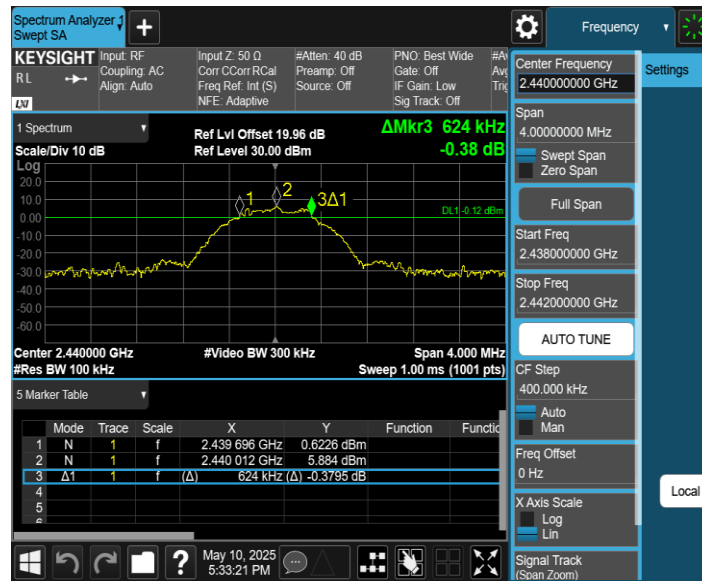
DTS BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.656	2402.340	0.5	PASS
		2440	0.624	2439.696	2440.320	0.5	PASS
		2480	0.652	2479.672	2480.324	0.5	PASS

TEST GRAPHS





BLE_1M_Ant1_2480





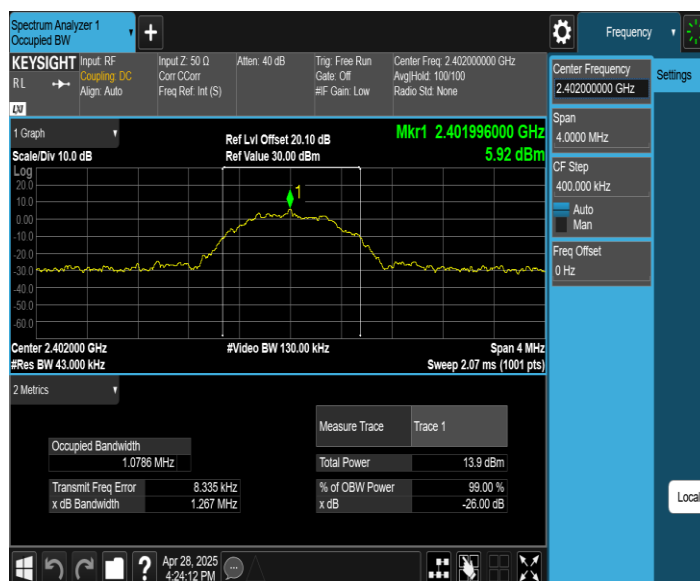
OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

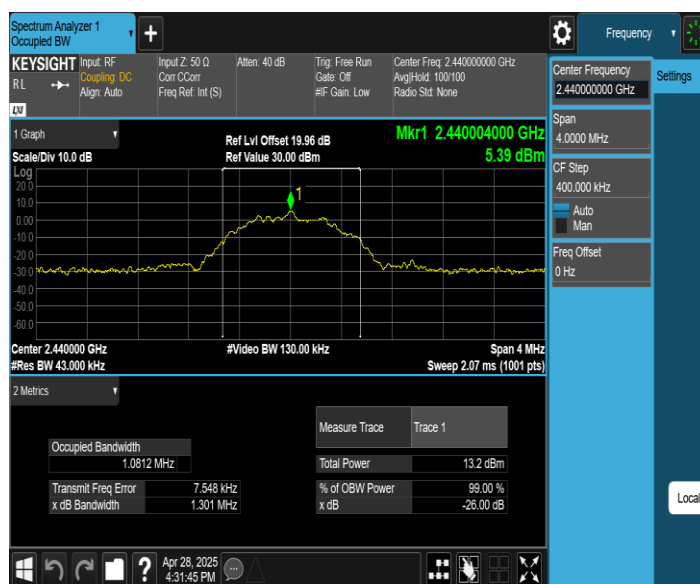
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0786	2401.4690	2402.5476	---	---
		2440	1.0812	2439.4670	2440.5482	---	---
		2480	1.0731	2479.4728	2480.5459	---	---

TEST GRAPHS

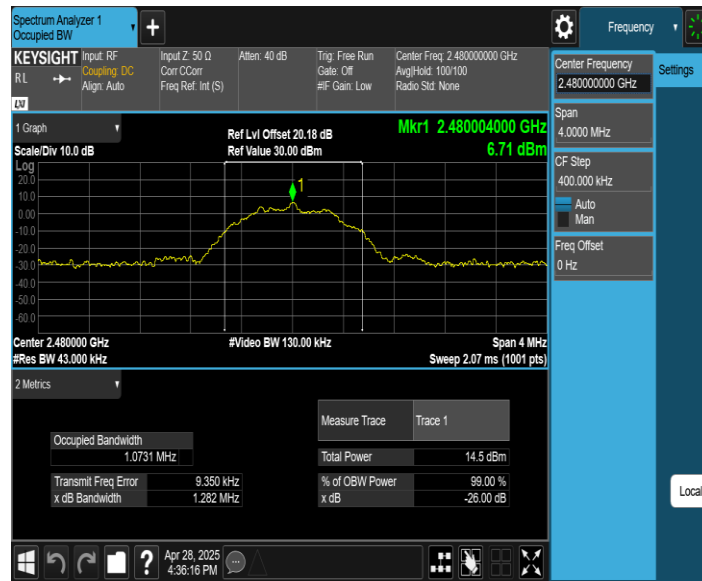
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





Test Report No.: PSZ-QSZ2504020109RF09

MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT PEAK

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	8.64	10.31	10.74	≤30	13.67	23.28	≤36	PASS	Default
		2440	8.70	10.04	10.09	≤30	13.40	21.88	≤36	PASS	Default
		2480	8.79	10.65	11.61	≤30	14.01	25.18	≤36	PASS	Default

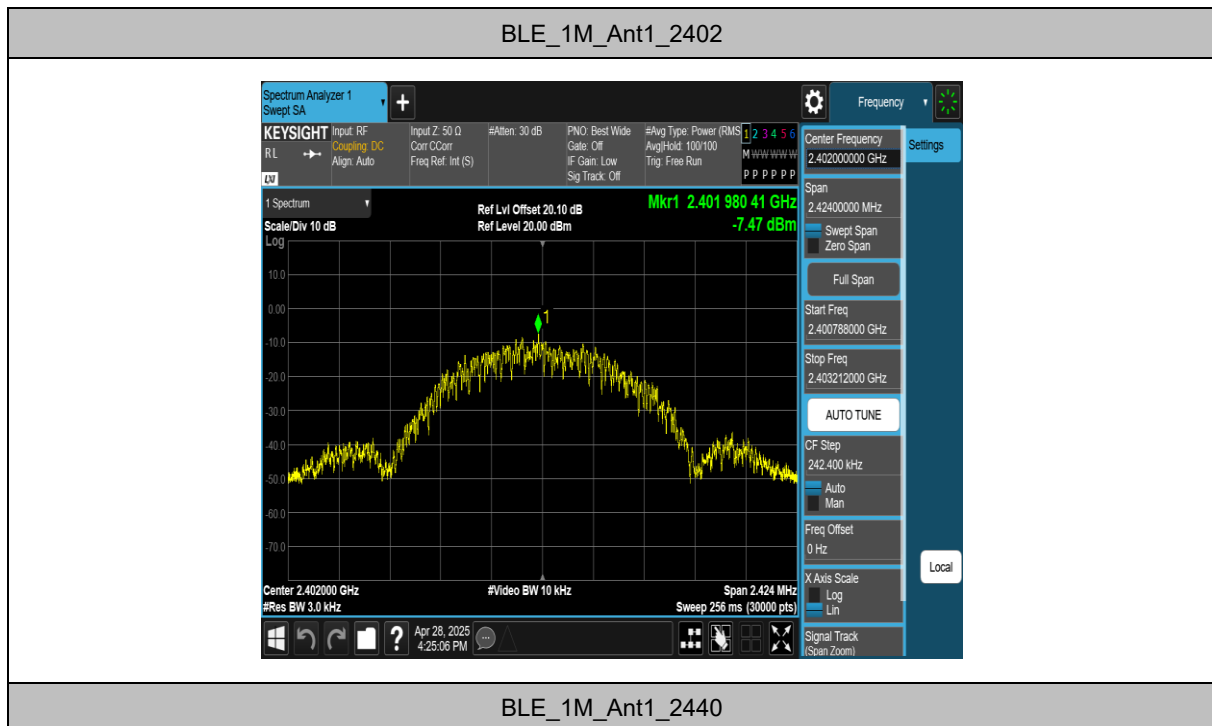
Note:EIRP=Peak Power+Gain

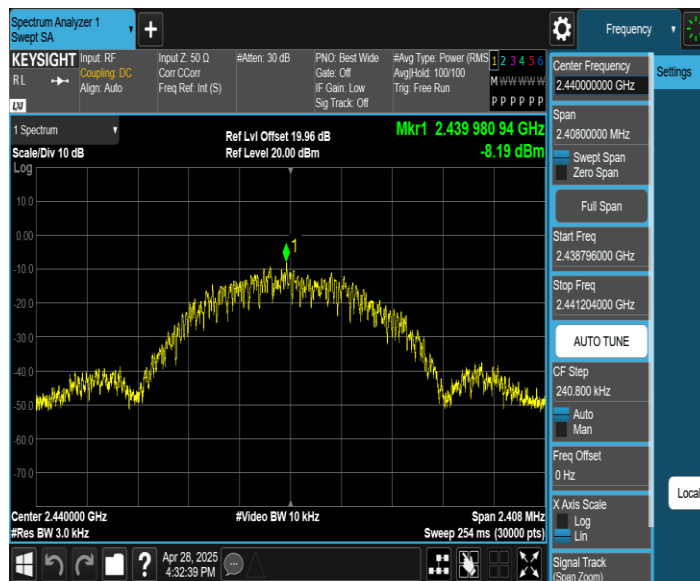
MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

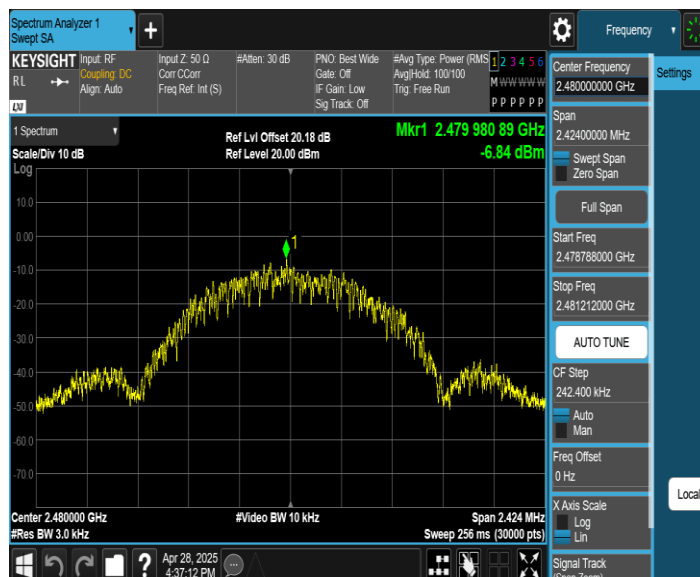
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.47	≤8.00	PASS
		2440	-8.19	≤8.00	PASS
		2480	-6.84	≤8.00	PASS

TEST GRAPHS





BLE_1M_Ant1_2480



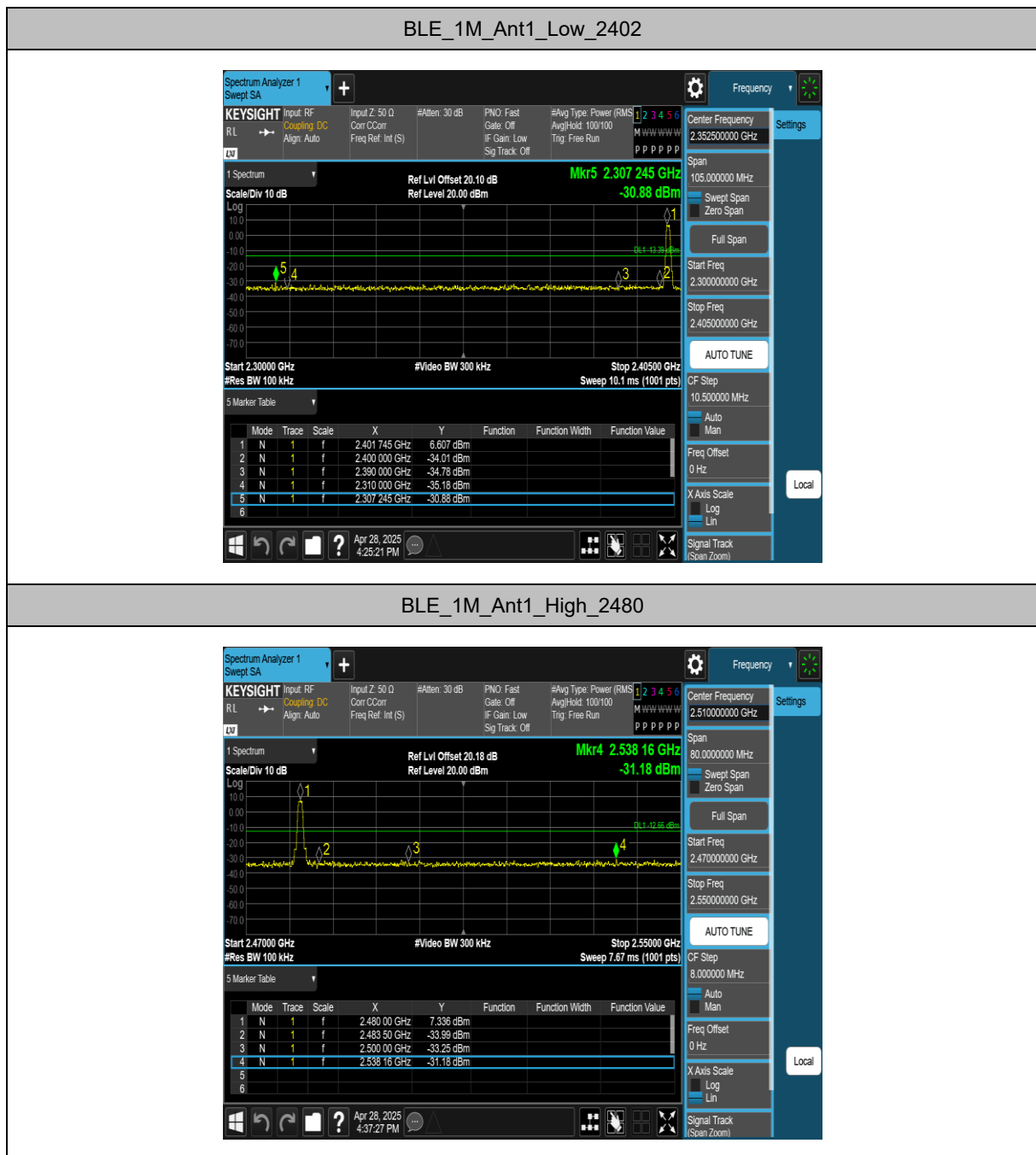


BAND EDGE MEASUREMENTS

TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.61	-30.88	≤-13.39	PASS
		High	2480	7.34	-31.18	≤-12.66	PASS

TEST GRAPHS



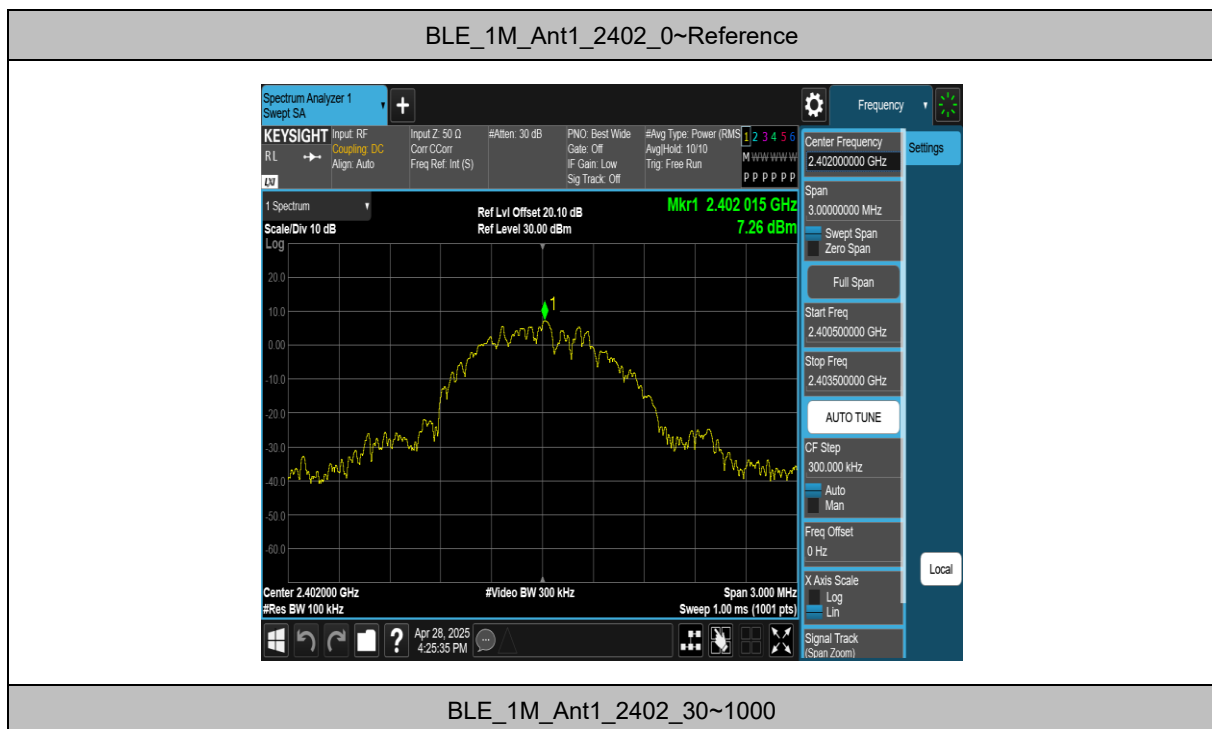


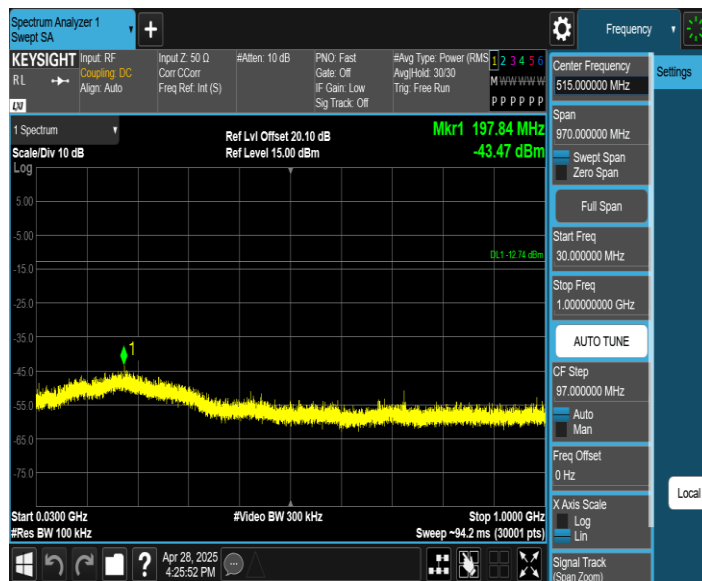
CONDUCTED SPURIOUS EMISSION

TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	7.26	7.26	---	PASS
			30~1000	7.26	-43.47	≤-12.74	PASS
			1000~26500	7.26	-49.38	≤-12.74	PASS
		2440	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-44.76	≤-15.13	PASS
			1000~26500	4.87	-49.96	≤-15.13	PASS
		2480	Reference	6.43	6.43	---	PASS
			30~1000	6.43	-44.79	≤-13.57	PASS
			1000~26500	6.43	-49.2	≤-13.57	PASS

TEST GRAPHS





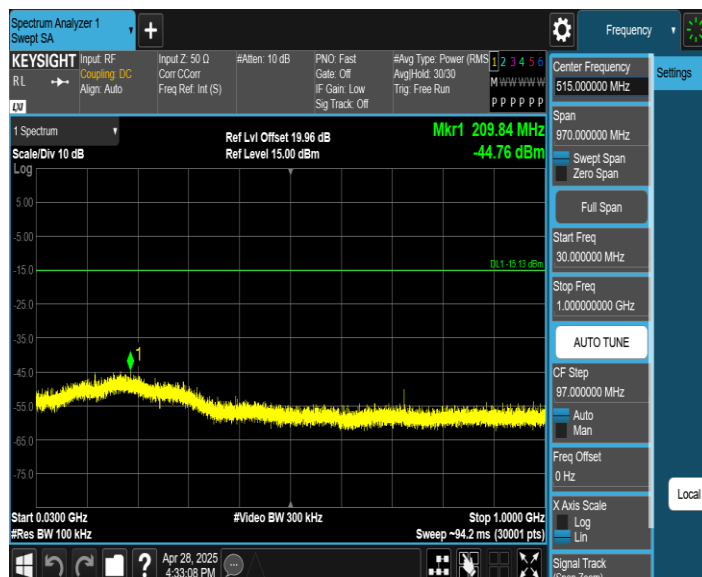
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



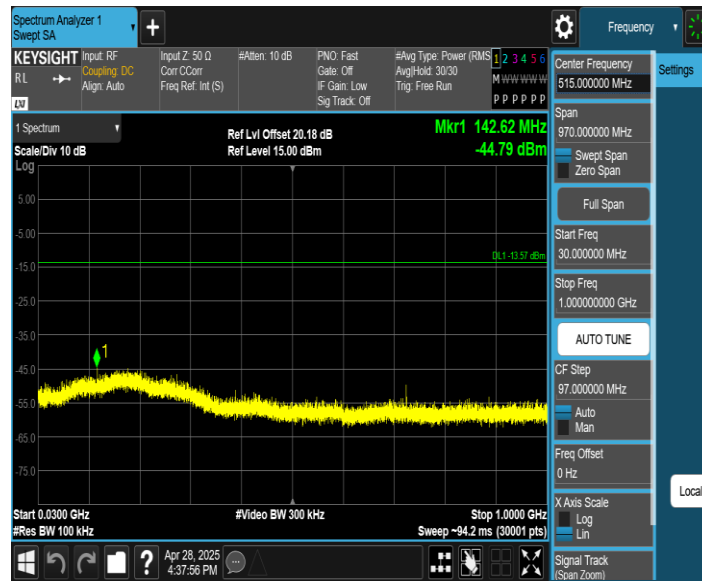
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



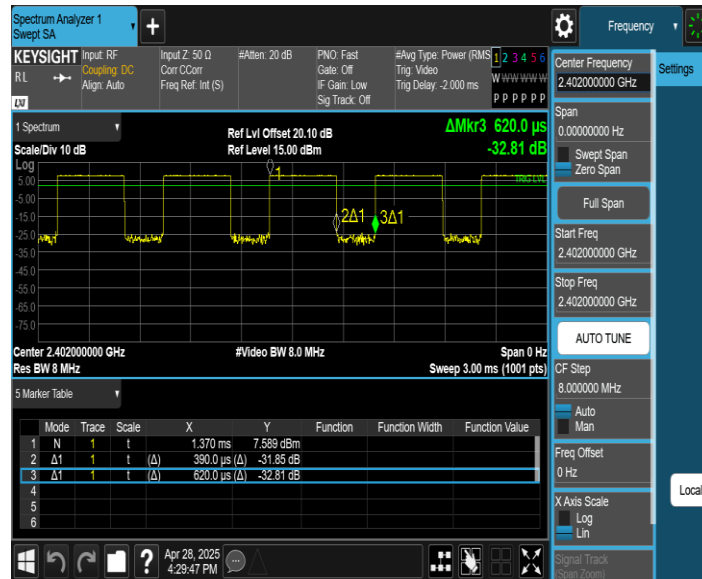
DUTY CYCLE

TEST RESULT

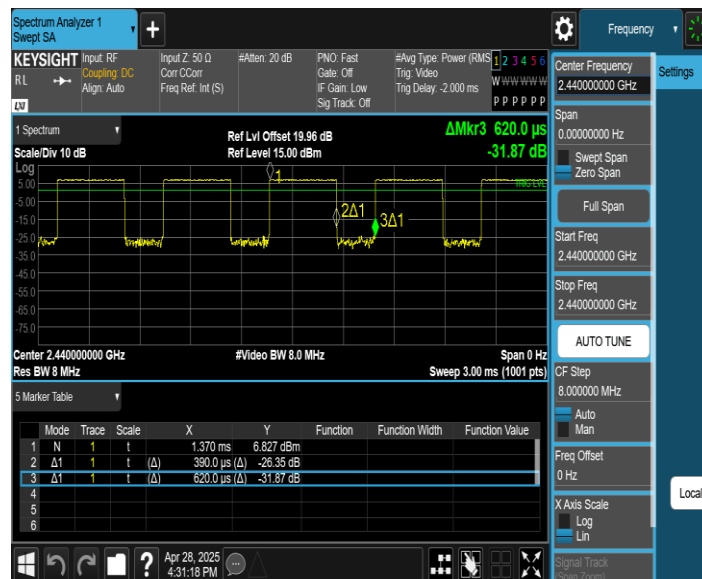
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
		2440	0.39	0.62	62.90	2.01
		2480	0.39	0.63	61.90	2.08



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



--END--