APPENDIX H

LTE BAND41(INCLUDING B38)

PEAK-TO-AVERAGE RATIO(CCDF)

TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	1RB#0	3.83	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.16	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	4.12	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.30	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	3.96	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.18	13	PASS
Band41	20MHz	64QAM	39750	1RB#0	6.24	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	4.64	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	6.00	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	4.87	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.18	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	4.73	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.04	13	PASS

TEST GRAPHS

Band41-20MHz-QPSK-39750-1RB#0-PASS

Band41-20MHz-QPSK-39750-100RB#0-PASS

Band41-20MHz-QPSK-40620-1RB#0-PASS

Band41-20MHz-QPSK-40620-100RB#0-PASS

Band41-20MHz-QPSK-41490-1RB#0-PASS

Band41-20MHz-QPSK-41490-100RB#0-PASS

Band41-20MHz-64QAM-39750-1RB#0-PASS

Band41-20MHz-16QAM-39750-1RB#0-PASS

Band41-20MHz-16QAM-39750-100RB#0-PASS

Band41-20MHz-16QAM-40620-1RB#0-PASS

Band41-20MHz-16QAM-40620-100RB#0-PASS

Band41-20MHz-16QAM-41490-1RB#0-PASS

Band41-20MHz-16QAM-41490-100RB#0-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH
TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5320	5.211	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5086	5.154	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5230	5.165	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5430	5.146	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4992	5.097	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5217	5.177	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.0189	9.994	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9964	10.10	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9918	10.10	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.0033	10.04	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0014	10.15	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0201	10.11	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.491	14.97	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.511	14.96	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.486	14.95	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.484	14.93	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.484	14.93	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.489	14.93	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.998	19.81	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.953	19.81	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.961	19.78	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.981	19.51	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.991	19.76	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.965	19.74	PASS

TEST GRAPHS

Band41-5MHz-QPSK-39675-25RB#0-PASS

Band41-5MHz-QPSK-40620-25RB#0-PASS

Band41-5MHz-QPSK-41565-25RB#0-PASS

Band41-5MHz-16QAM-39675-25RB#0-PASS

Band41-5MHz-16QAM-40620-25RB#0-PASS

Band41-5MHz-16QAM-41565-25RB#0-PASS

Band41-10MHz-QPSK-39700-50RB#0-PASS

Band41-10MHz-QPSK-40620-50RB#0-PASS

Band41-10MHz-QPSK-41540-50RB#0-PASS

Band41-10MHz-16QAM-39700-50RB#0-PASS

Band41-10MHz-16QAM-40620-50RB#0-PASS

Band41-10MHz-16QAM-41540-50RB#0-PASS

Band41-15MHz-QPSK-39725-75RB#0-PASS

Band41-15MHz-QPSK-40620-75RB#0-PASS

Band41-15MHz-QPSK-41515-75RB#0-PASS

Band41-15MHz-16QAM-39725-75RB#0-PASS

Band41-15MHz-16QAM-40620-75RB#0-PASS

Band41-15MHz-16QAM-41515-75RB#0-PASS

Band41-20MHz-QPSK-39750-100RB#0-PASS

Band41-20MHz-QPSK-40620-100RB#0-PASS

Band41-20MHz-QPSK-41490-100RB#0-PASS

Band41-20MHz-16QAM-39750-100RB#0-PASS

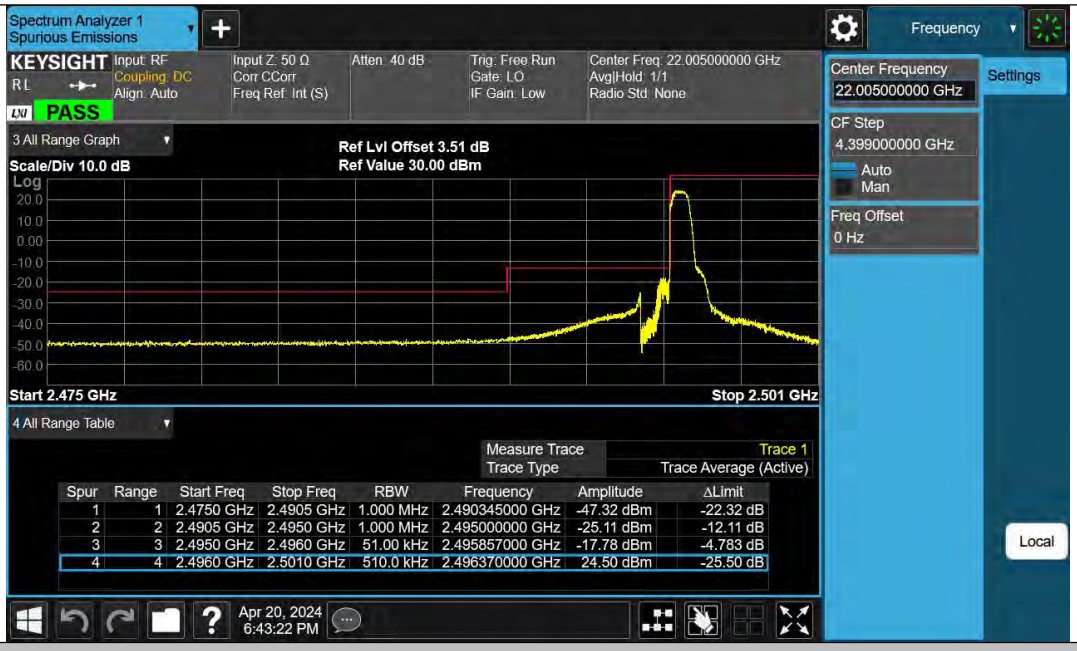
Band41-20MHz-16QAM-40620-100RB#0-PASS

Band41-20MHz-16QAM-41490-100RB#0-PASS

BAND EDGE
TEST RESULT

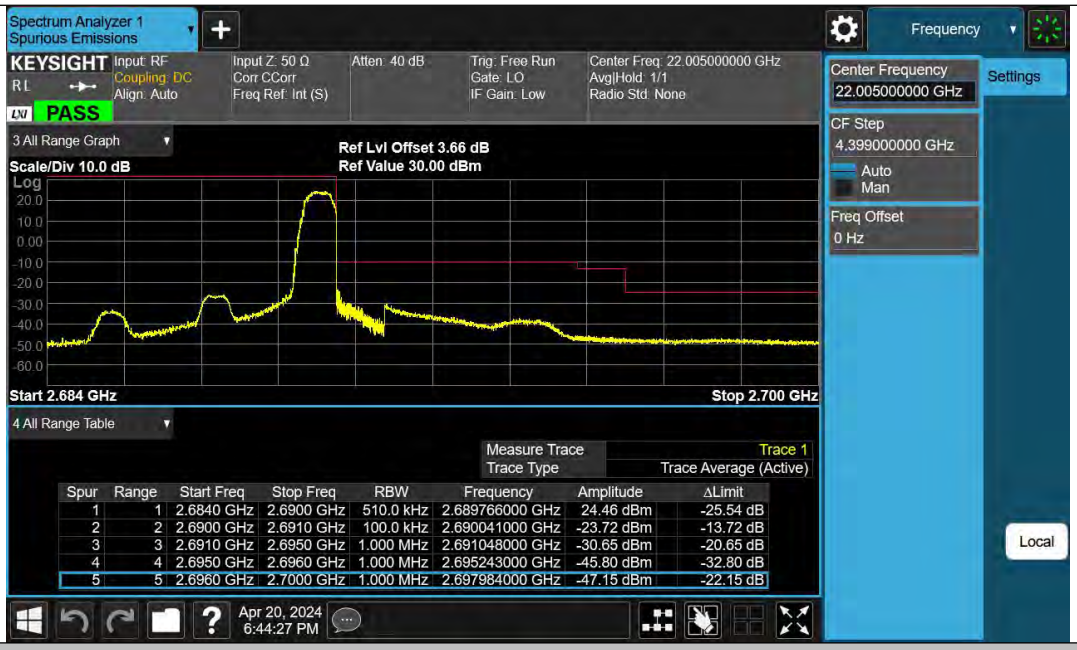
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-17.78	PASS
Band41	5MHz	QPSK	39675	25RB#0	-25.67	PASS
Band41	5MHz	QPSK	41565	1RB#24	-23.72	PASS
Band41	5MHz	QPSK	41565	25RB#0	-24.91	PASS
Band41	5MHz	16QAM	39675	1RB#0	-18.29	PASS
Band41	5MHz	16QAM	39675	25RB#0	-27.52	PASS
Band41	5MHz	16QAM	41565	1RB#24	-23.64	PASS
Band41	5MHz	16QAM	41565	25RB#0	-41.69	PASS
Band41	10MHz	QPSK	39700	1RB#0	-14.99	PASS
Band41	10MHz	QPSK	39700	50RB#0	-31.44	PASS
Band41	10MHz	QPSK	41540	1RB#49	-27.22	PASS
Band41	10MHz	QPSK	41540	50RB#0	-40.15	PASS
Band41	10MHz	16QAM	39700	1RB#0	-17.92	PASS
Band41	10MHz	16QAM	39700	50RB#0	-34.53	PASS
Band41	10MHz	16QAM	41540	1RB#49	-27.99	PASS
Band41	10MHz	16QAM	41540	50RB#0	-40.19	PASS
Band41	15MHz	QPSK	39725	1RB#0	-30.16	PASS
Band41	15MHz	QPSK	39725	75RB#0	-28.10	PASS
Band41	15MHz	QPSK	41515	1RB#74	-28.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	-36.56	PASS
Band41	15MHz	16QAM	39725	1RB#0	-30.17	PASS
Band41	15MHz	16QAM	39725	75RB#0	-32.74	PASS
Band41	15MHz	16QAM	41515	1RB#74	-29.21	PASS
Band41	15MHz	16QAM	41515	75RB#0	-40.93	PASS
Band41	20MHz	QPSK	39750	1RB#0	-32.13	PASS
Band41	20MHz	QPSK	39750	100RB#0	-33.65	PASS
Band41	20MHz	QPSK	41490	1RB#99	-29.66	PASS
Band41	20MHz	QPSK	41490	100RB#0	-42.17	PASS
Band41	20MHz	16QAM	39750	1RB#0	-33.81	PASS
Band41	20MHz	16QAM	39750	100RB#0	-35.92	PASS
Band41	20MHz	16QAM	41490	1RB#99	-30.20	PASS
Band41	20MHz	16QAM	41490	100RB#0	-43.50	PASS

TEST GRAPHS



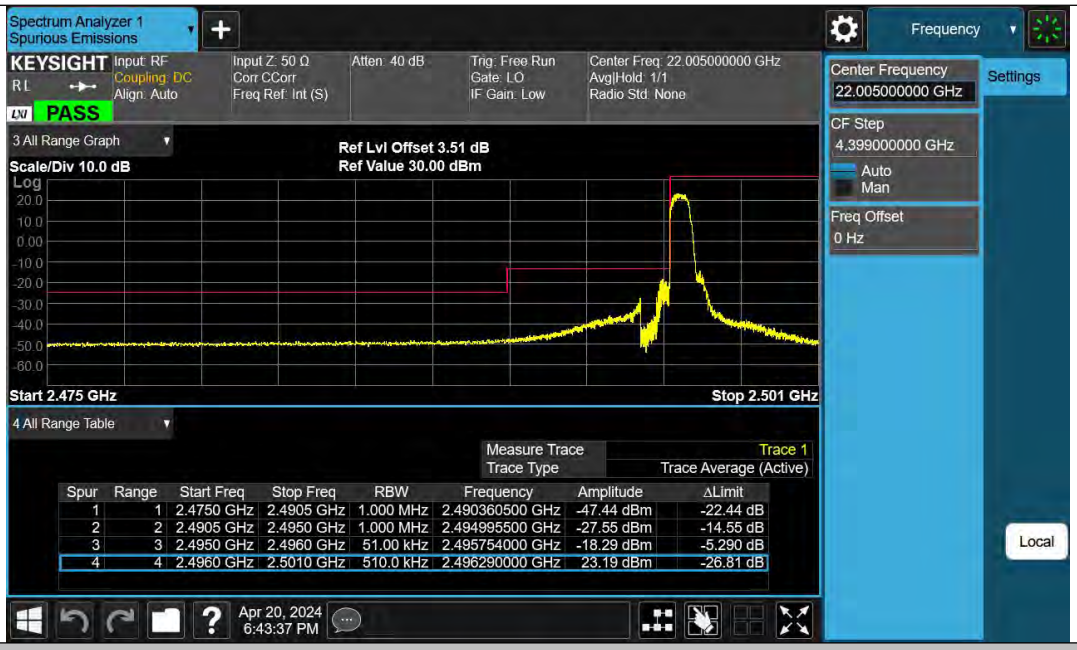
Band41_5MHz_QPSK_39675_1RB#0

Band41_5MHz_QPSK_39675_25RB#0



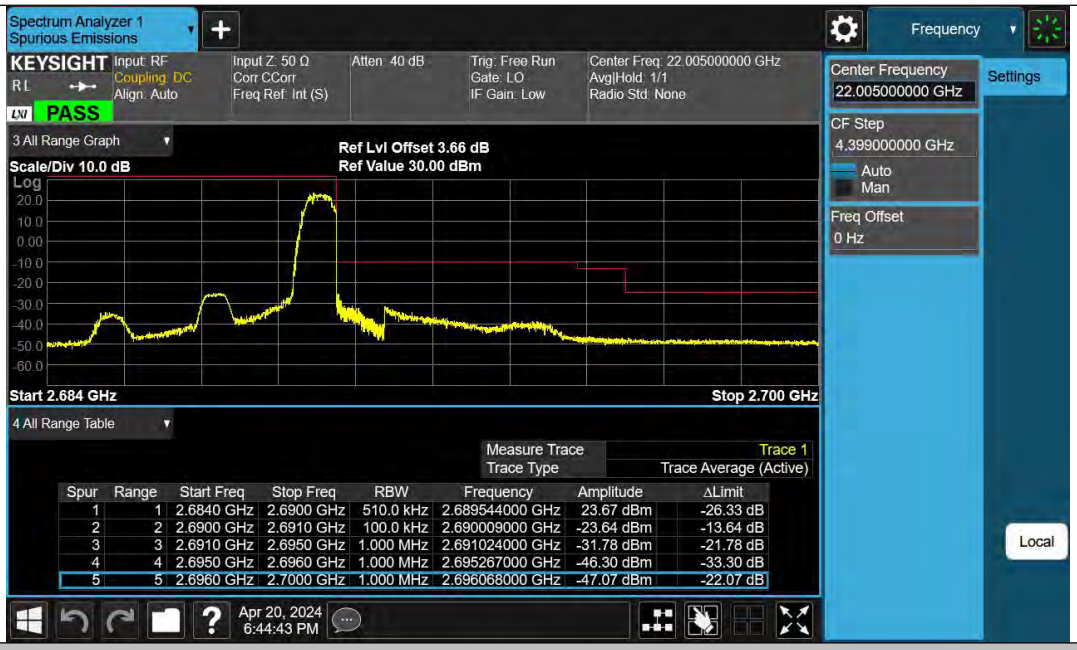
Band41_5MHz_QPSK_41565_1RB#24

Band41_5MHz_QPSK_41565_25RB#0



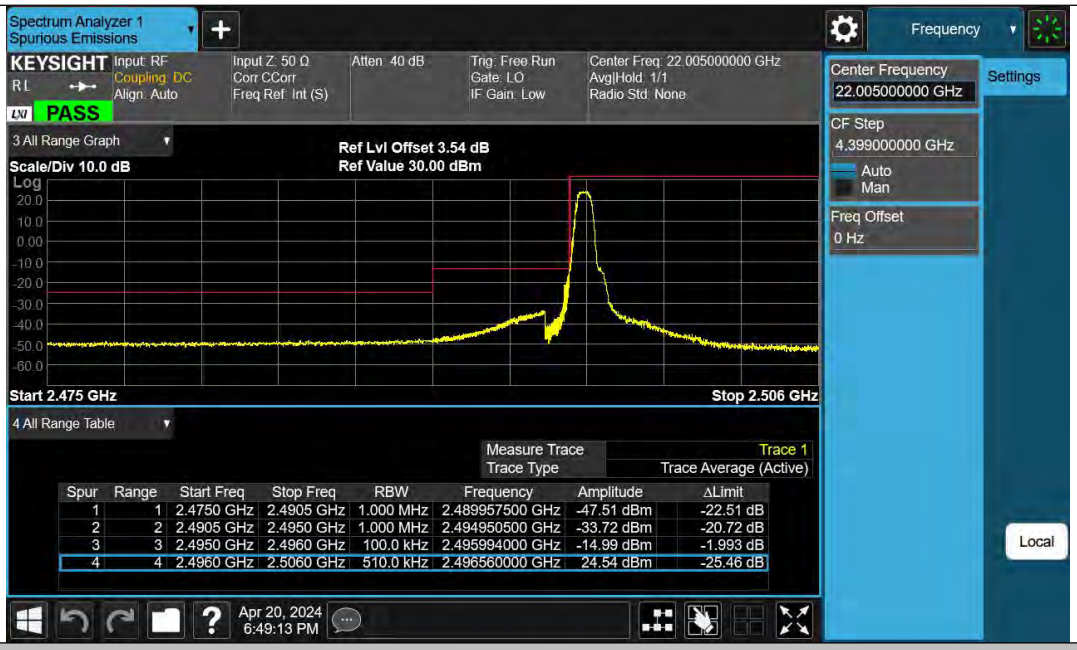
Band41_5MHz_16QAM_39675_1RB#0

Band41_5MHz_16QAM_39675_25RB#0



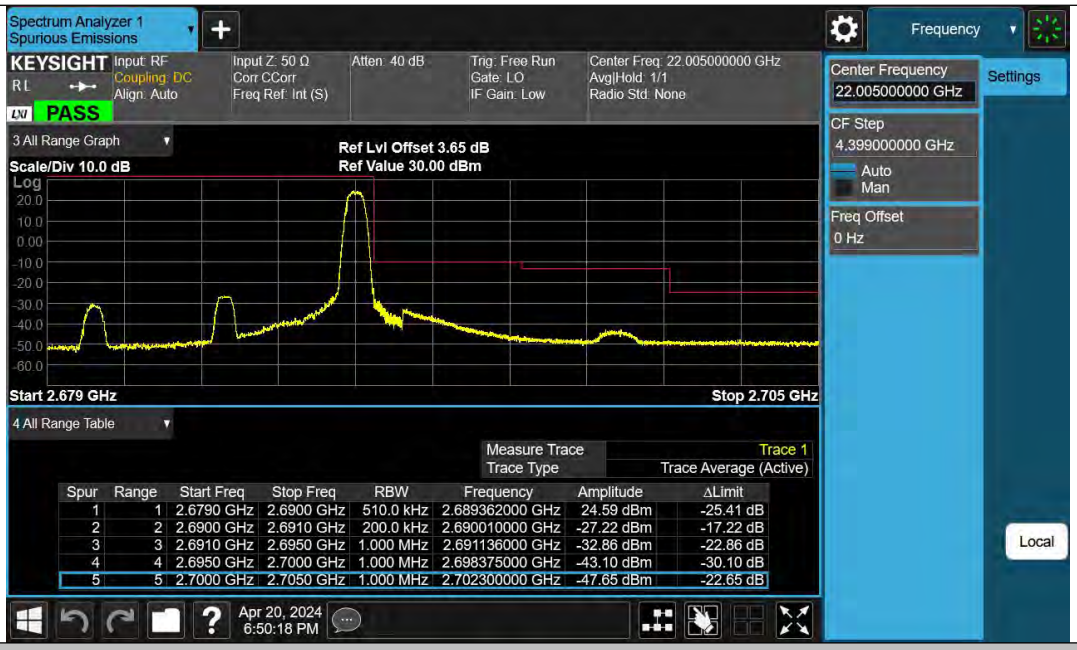
Band41_5MHz_16QAM_41565_1RB#24

Band41_5MHz_16QAM_41565_25RB#0



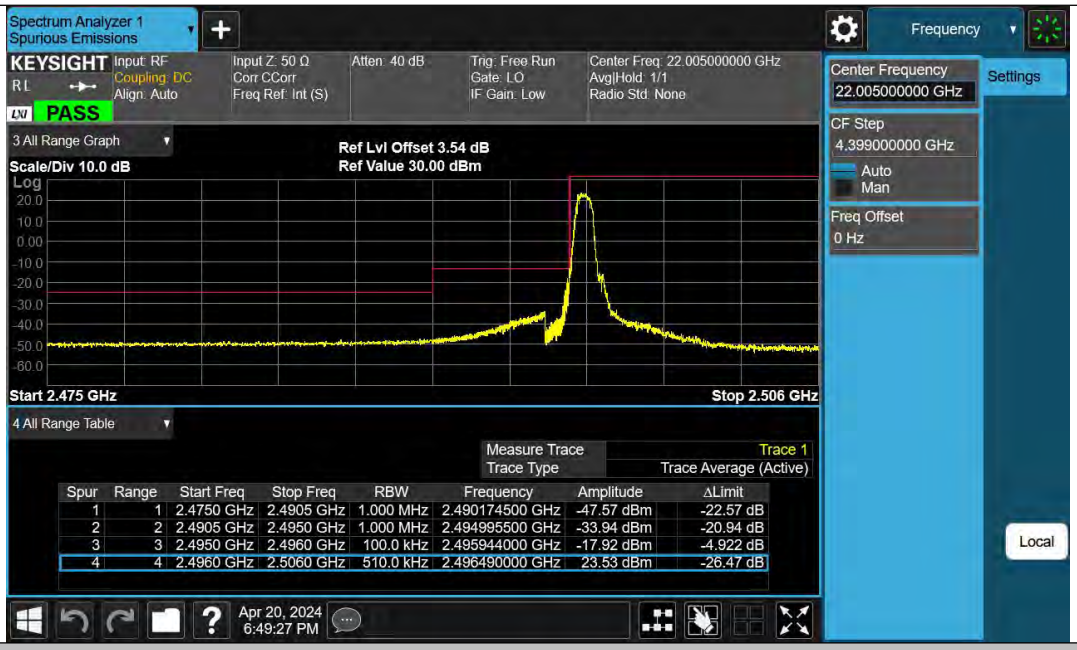
Band41_10MHz_QPSK_39700_1RB#0

Band41_10MHz_QPSK_39700_50RB#0



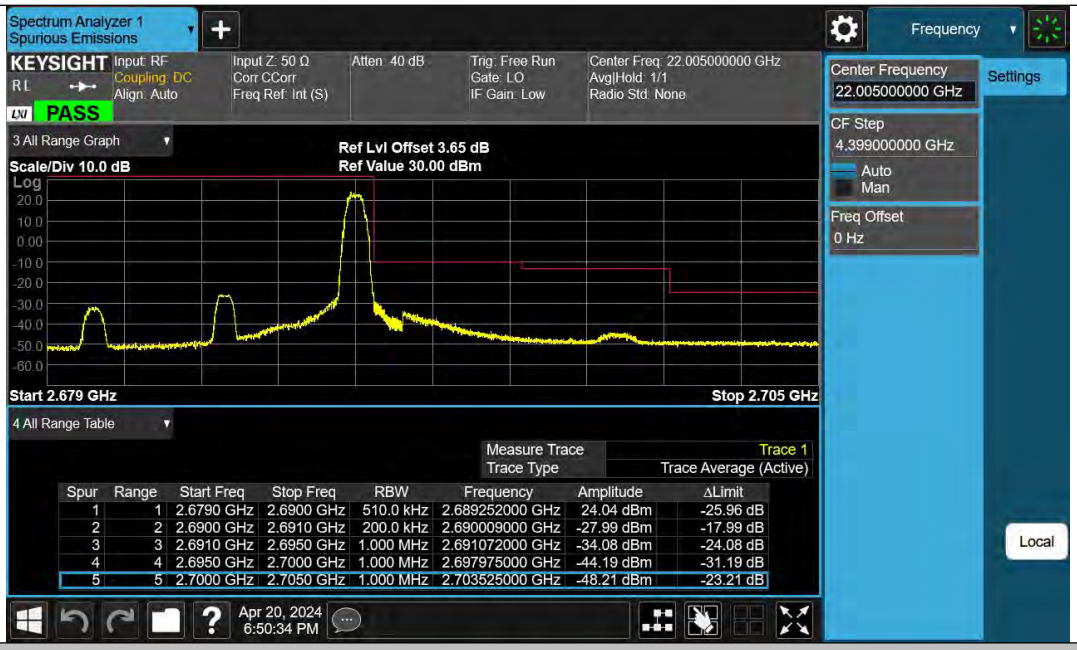
Band41_10MHz_QPSK_41540_1RB#49

Band41_10MHz_QPSK_41540_50RB#0



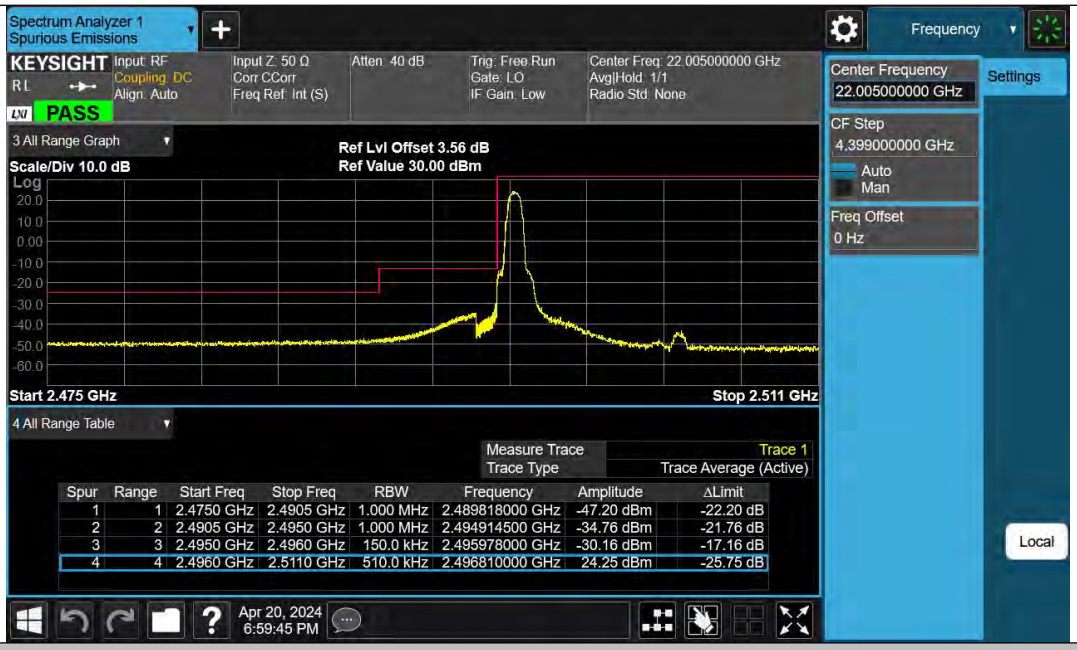
Band41_10MHz_16QAM_39700_1RB#0

Band41_10MHz_16QAM_39700_50RB#0

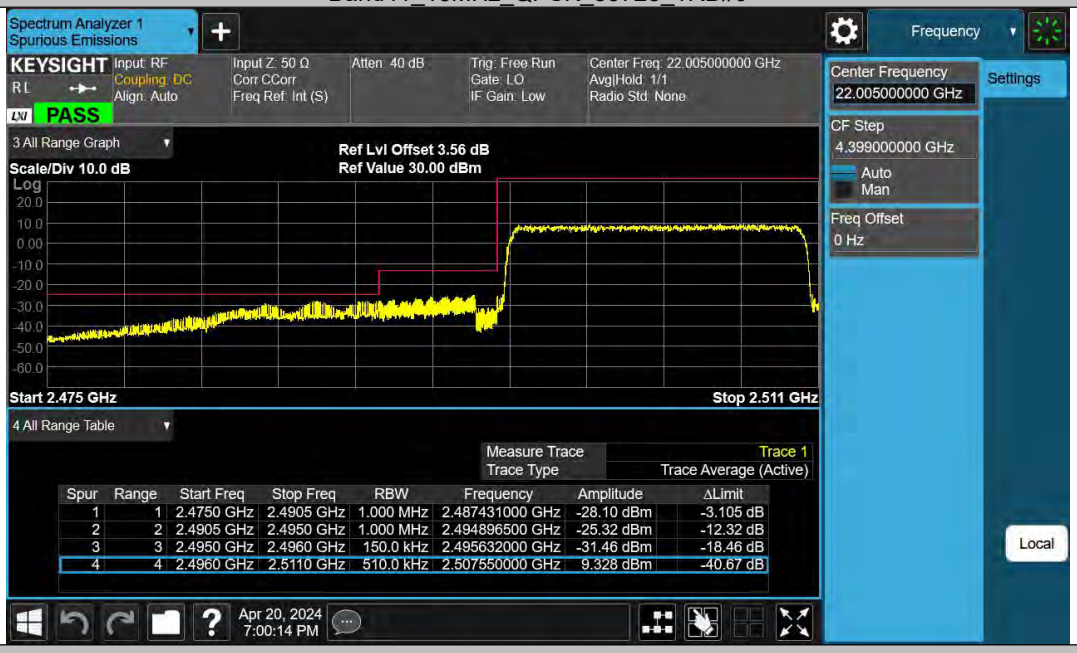


Band41_10MHz_16QAM_41540_1RB#49

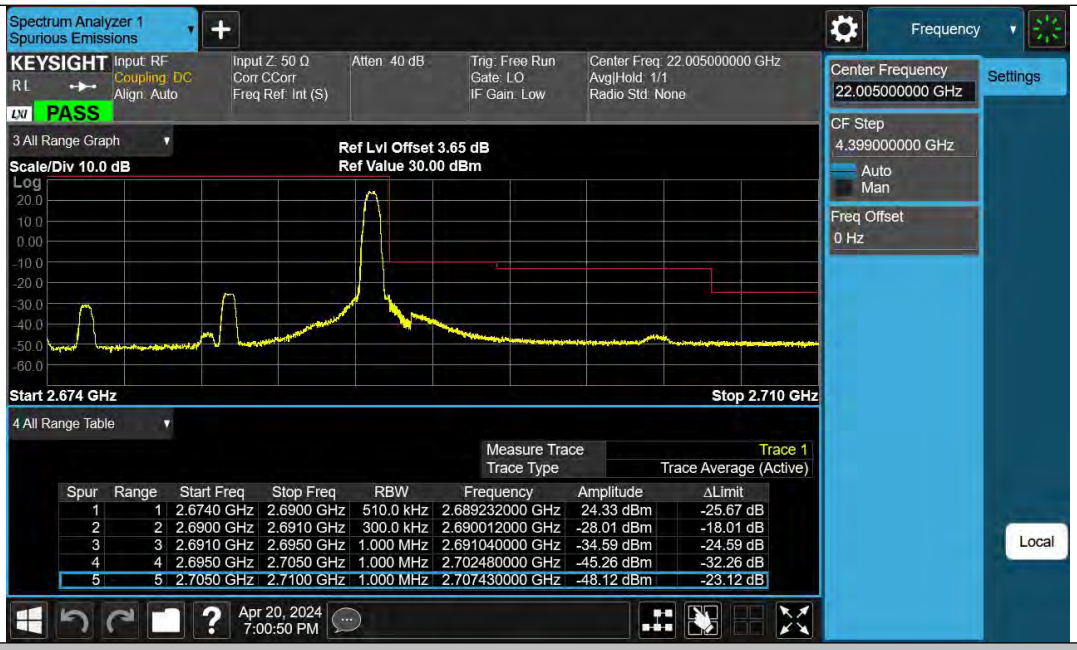
Band41_10MHz_16QAM_41540_50RB#0



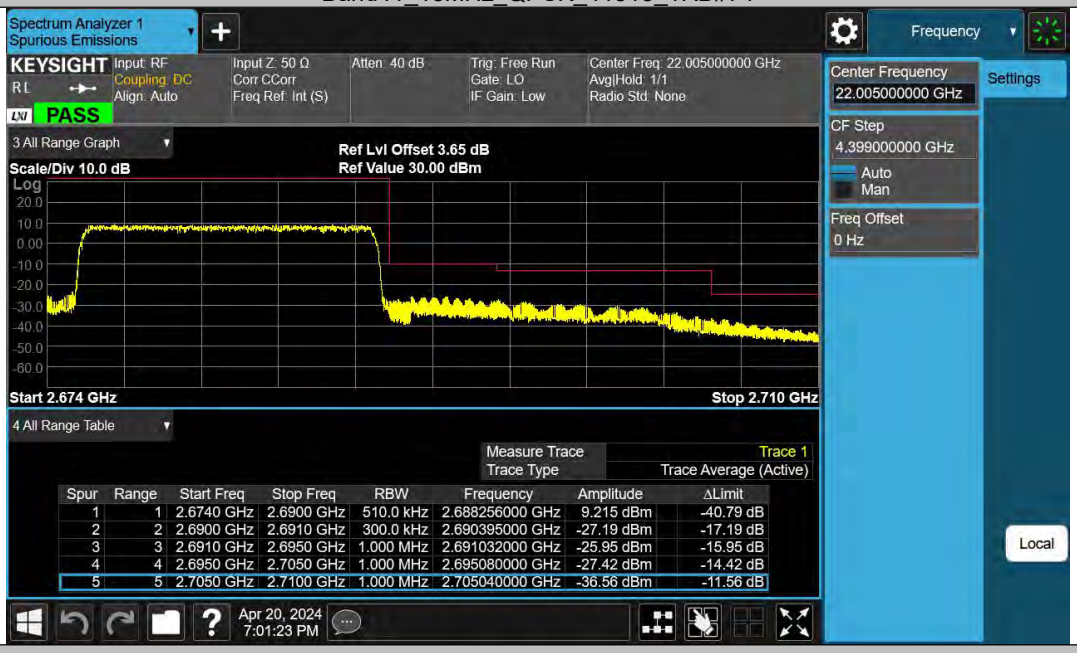
Band41_15MHz_QPSK_39725_1RB#0



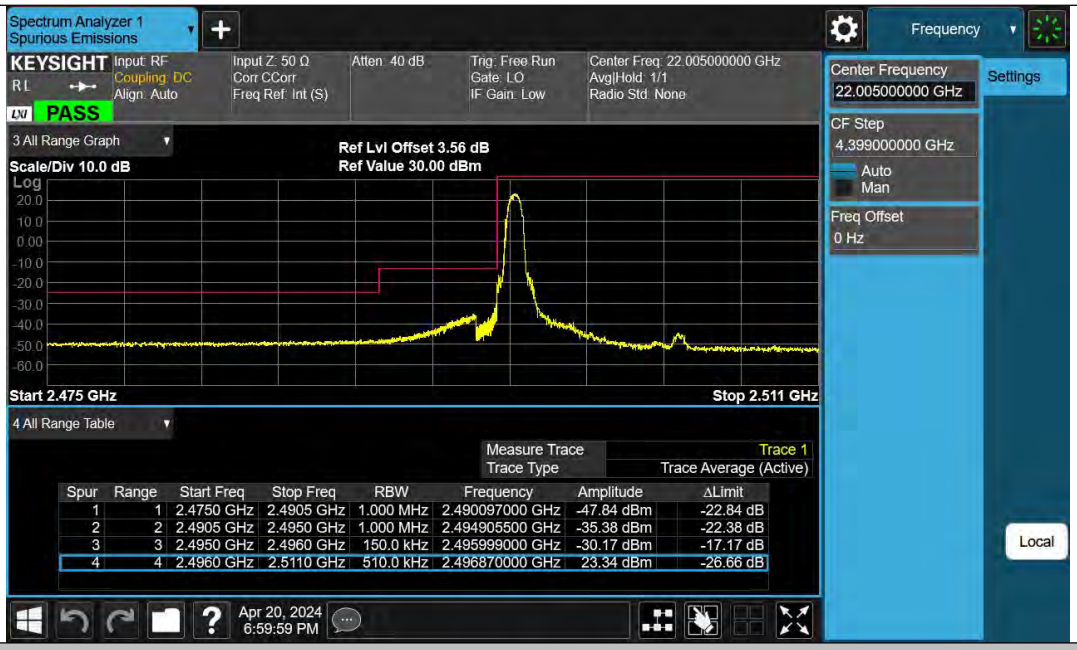
Band41_15MHz_QPSK_39725_75RB#0



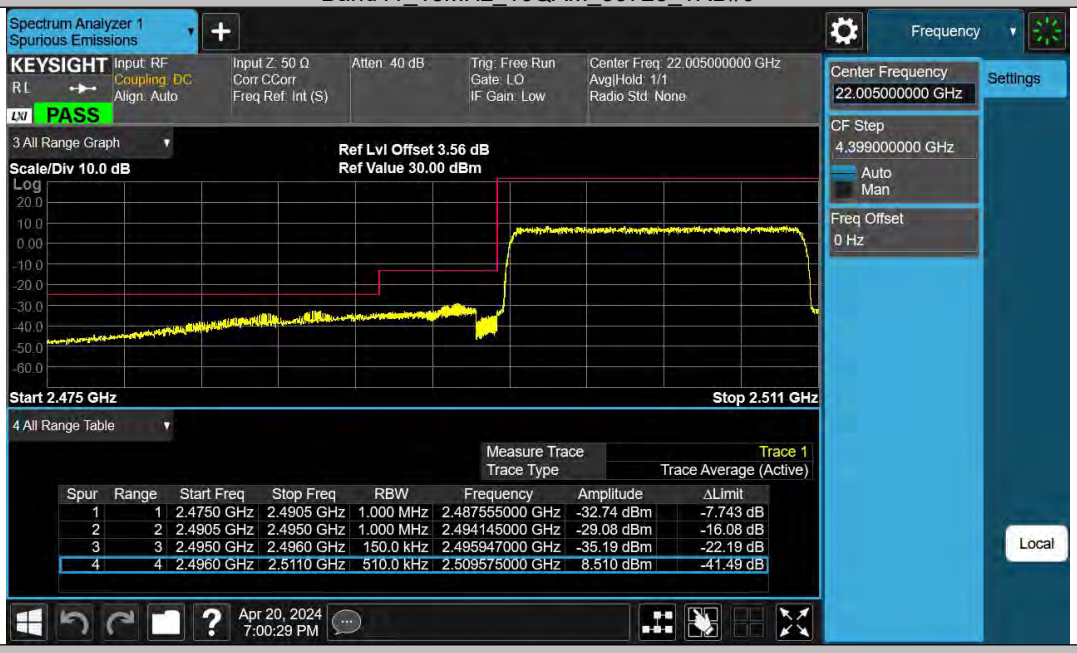
Band41_15MHz_QPSK_41515_1RB#74



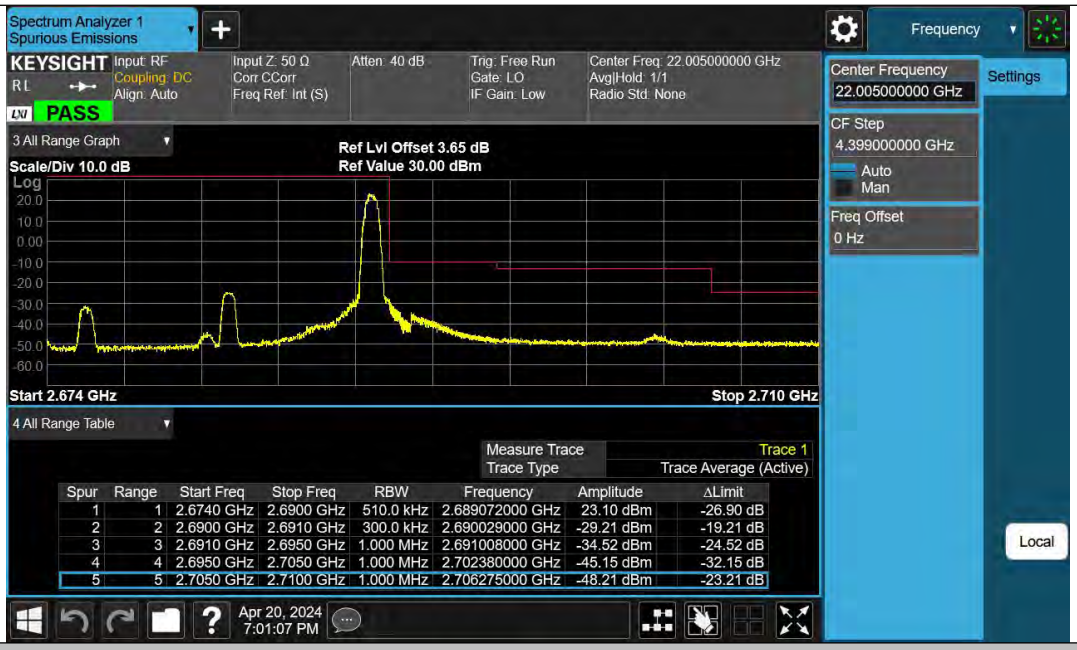
Band41_15MHz_QPSK_41515_75RB#0



Band41_15MHz_16QAM_39725_1RB#0

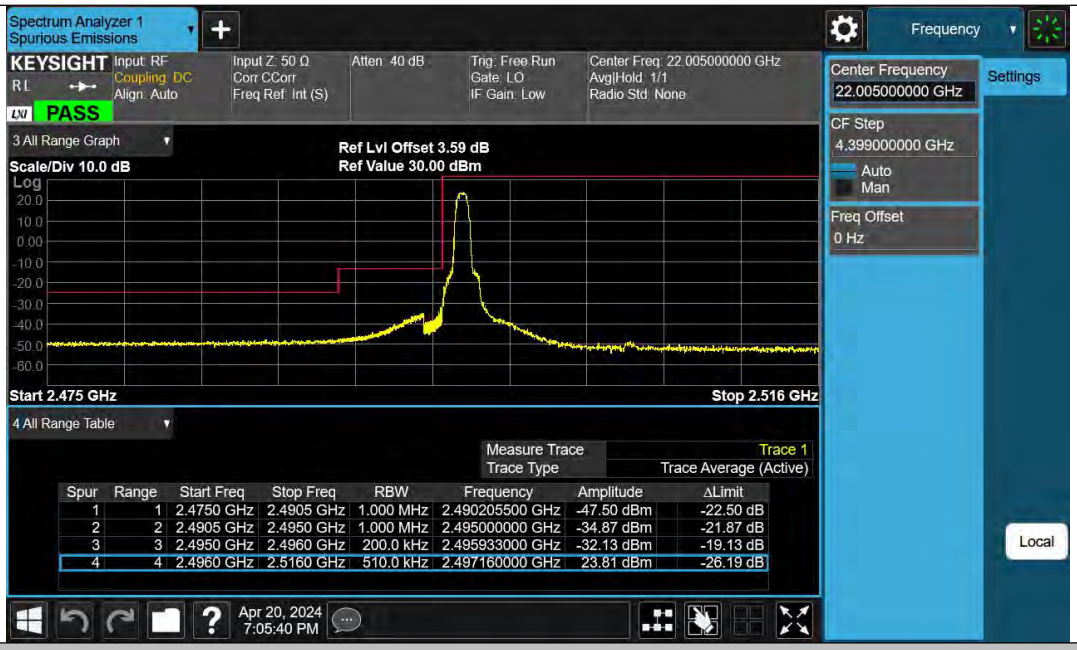


Band41_15MHz_16QAM_39725_75RB#0

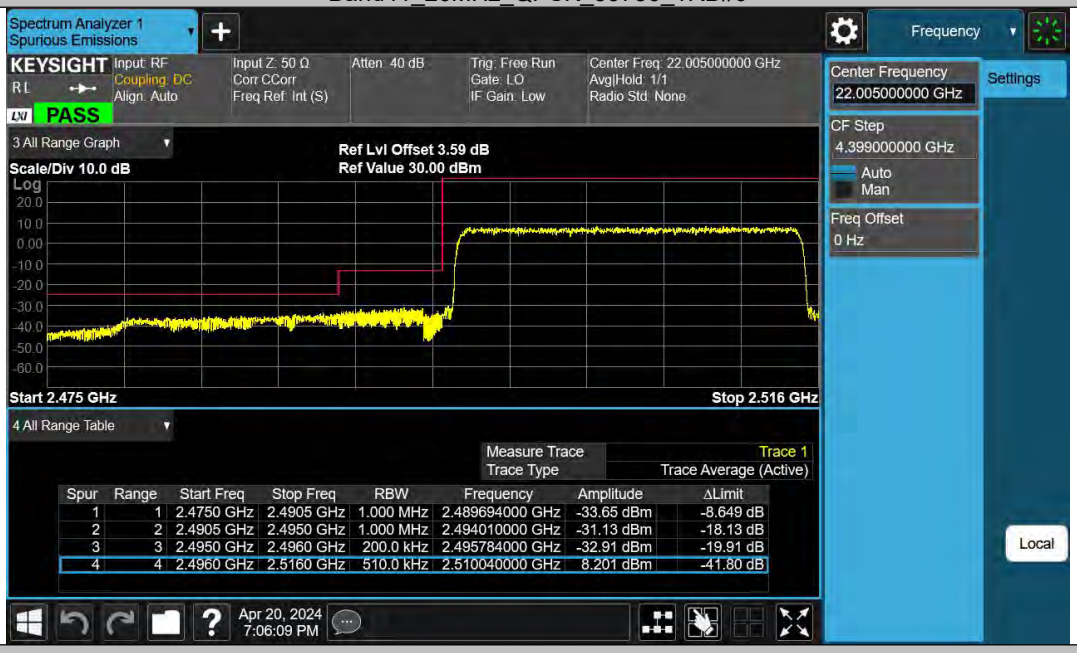


Band41_15MHz_16QAM_41515_1RB#74

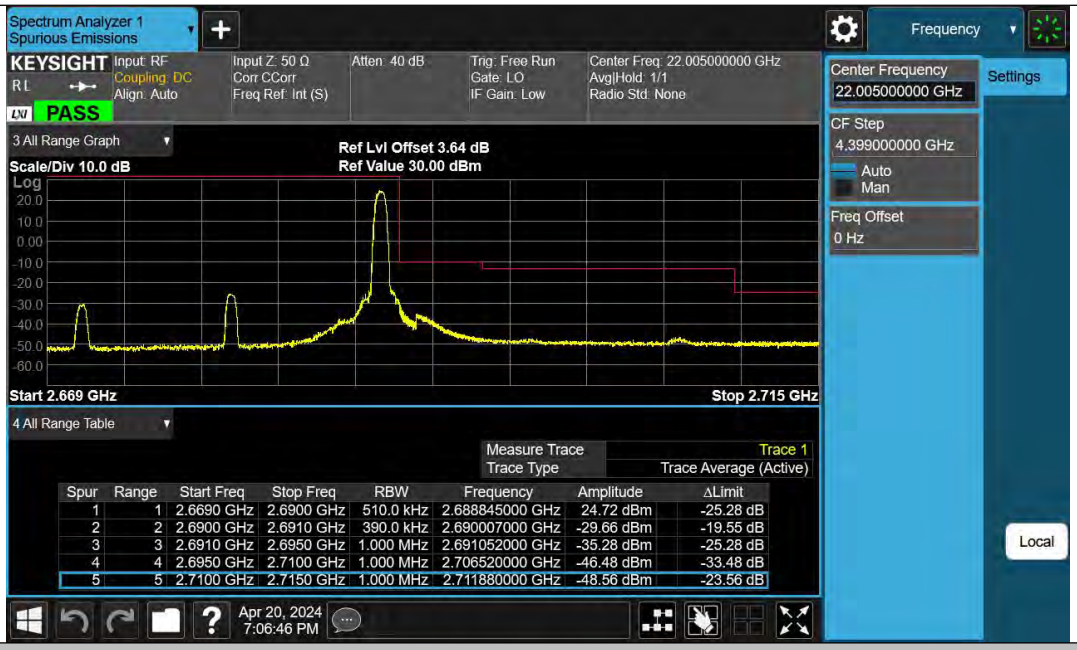
Band41_15MHz_16QAM_41515_75RB#0



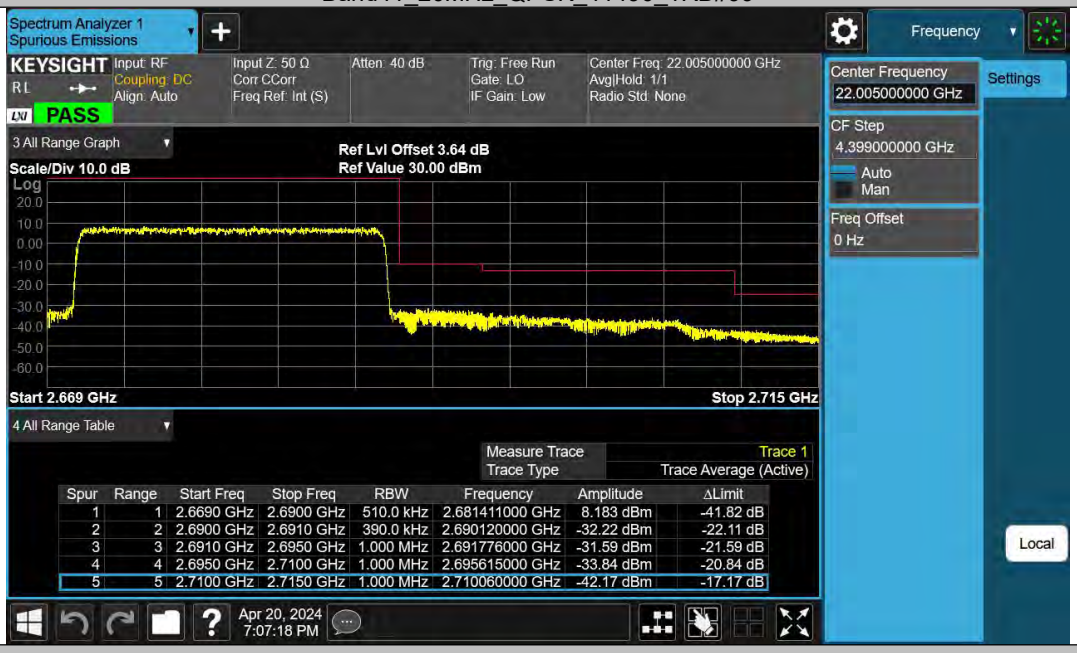
Band41_20MHz_QPSK_39750_1RB#0



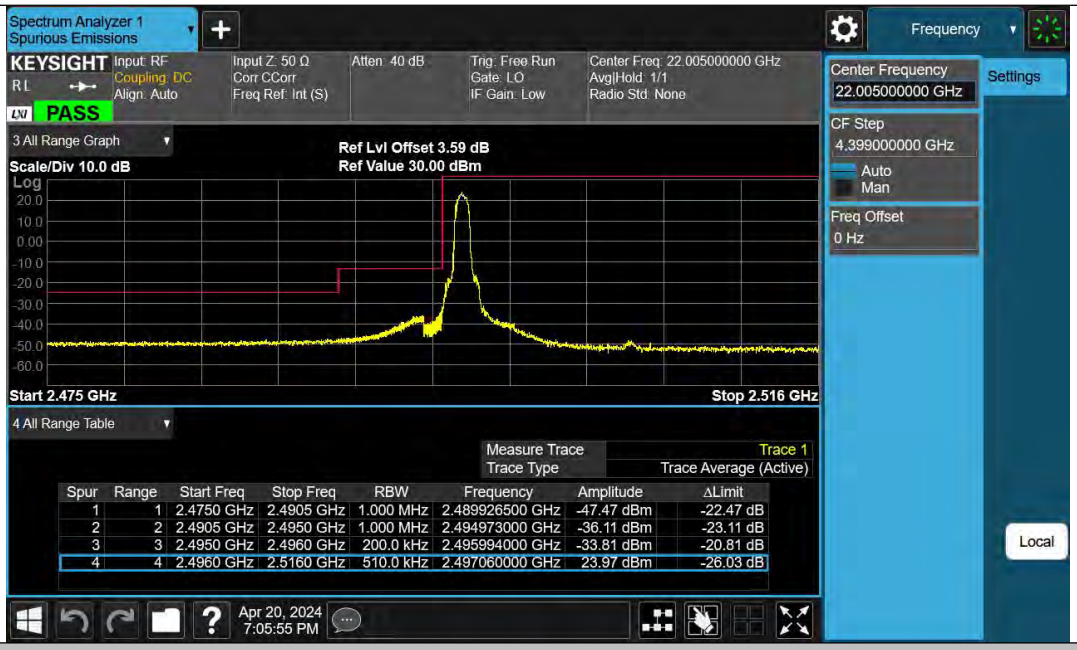
Band41_20MHz_QPSK_39750_100RB#0



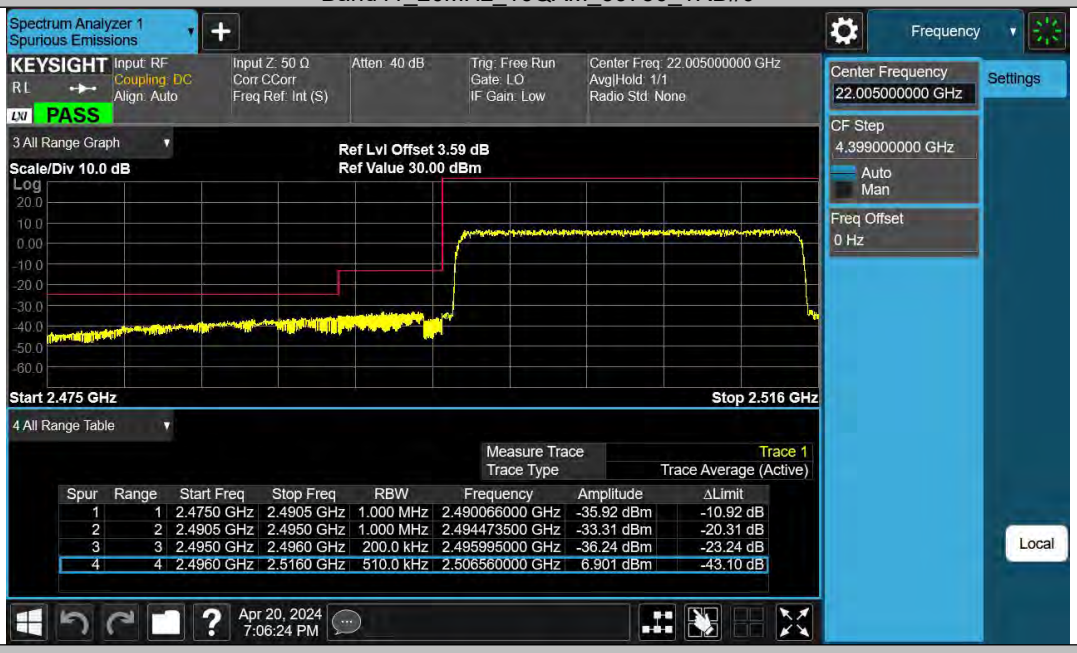
Band41_20MHz_QPSK_41490_1RB#99



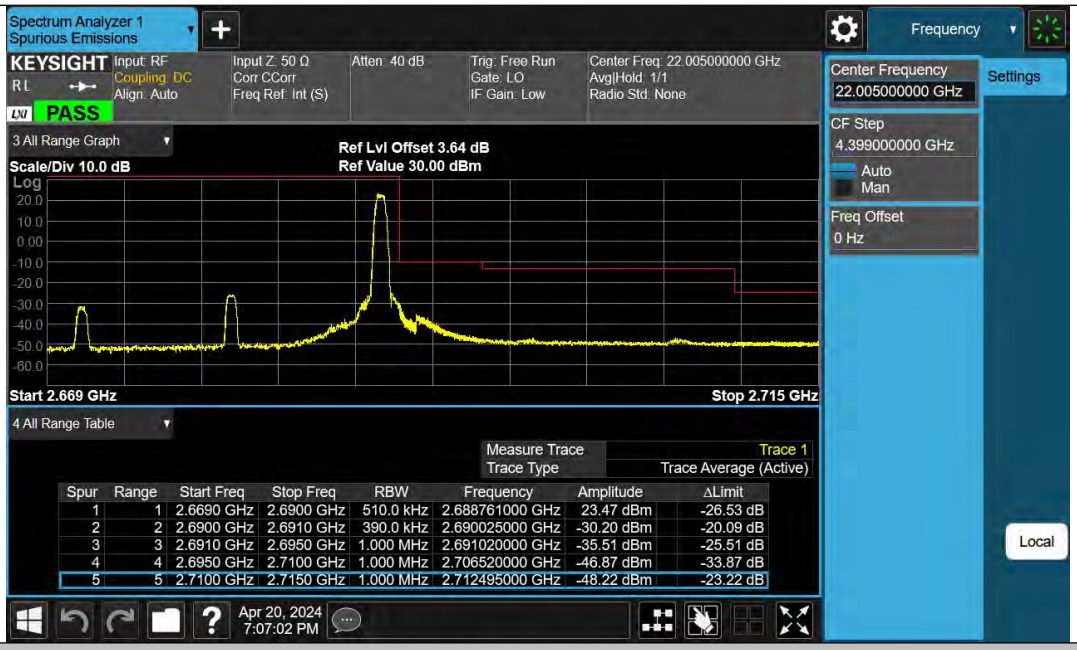
Band41_20MHz_QPSK_41490_100RB#0



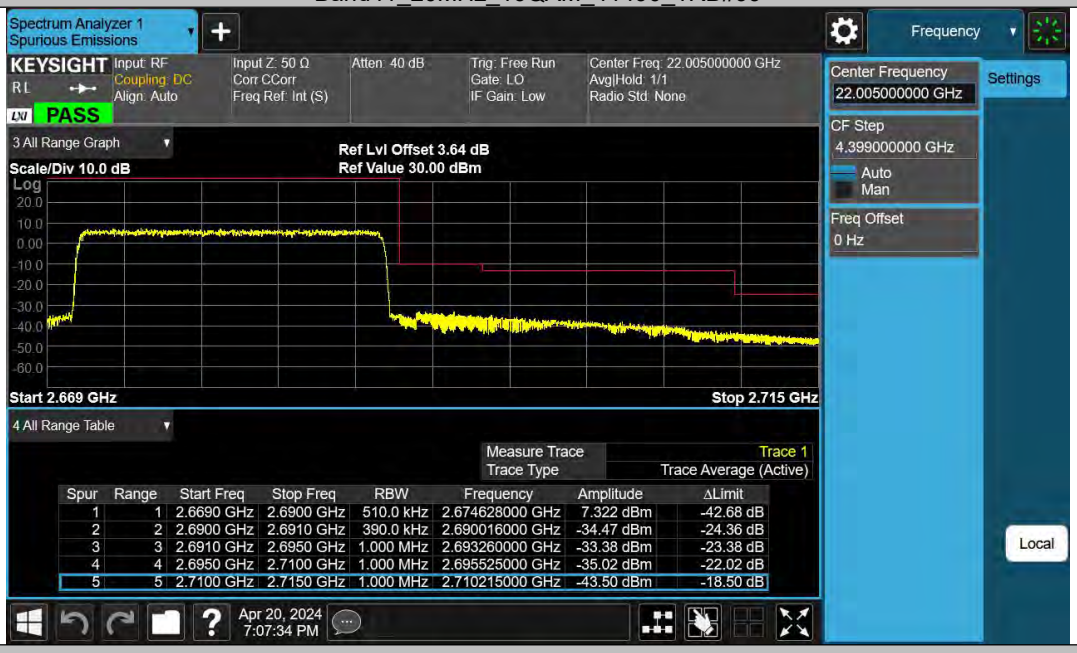
Band41_20MHz_16QAM_39750_1RB#0



Band41_20MHz_16QAM_39750_100RB#0



Band41_20MHz_16QAM_41490_1RB#99



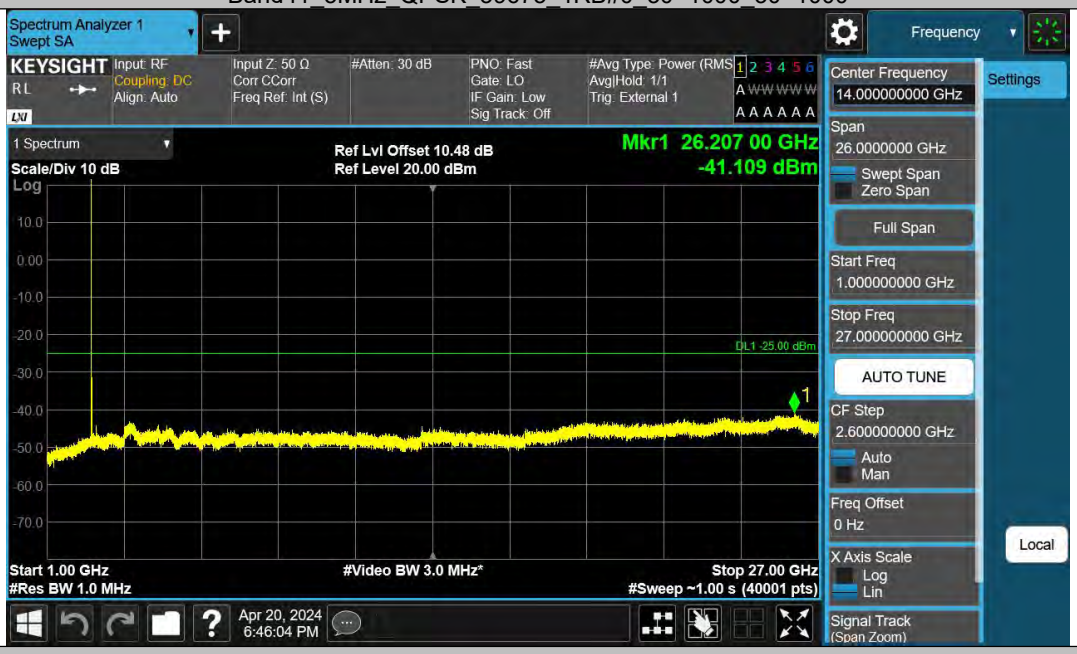
Band41_20MHz_16QAM_41490_100RB#0

CONDUCTED SPURIOUS EMISSION
TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-59.17	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~27000	-41.11	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-50.33	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~27000	-40.71	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-49.22	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~27000	-41.02	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-59.13	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~27000	-41.25	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-59.14	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~27000	-41.05	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-49.18	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~27000	-41.15	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-59.05	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~27000	-41.06	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-59.21	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~27000	-41.34	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-50.11	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~27000	-40.76	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-59.08	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~27000	-41.33	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-58.98	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~27000	-40.97	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-49.36	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~27000	-40.73	PASS

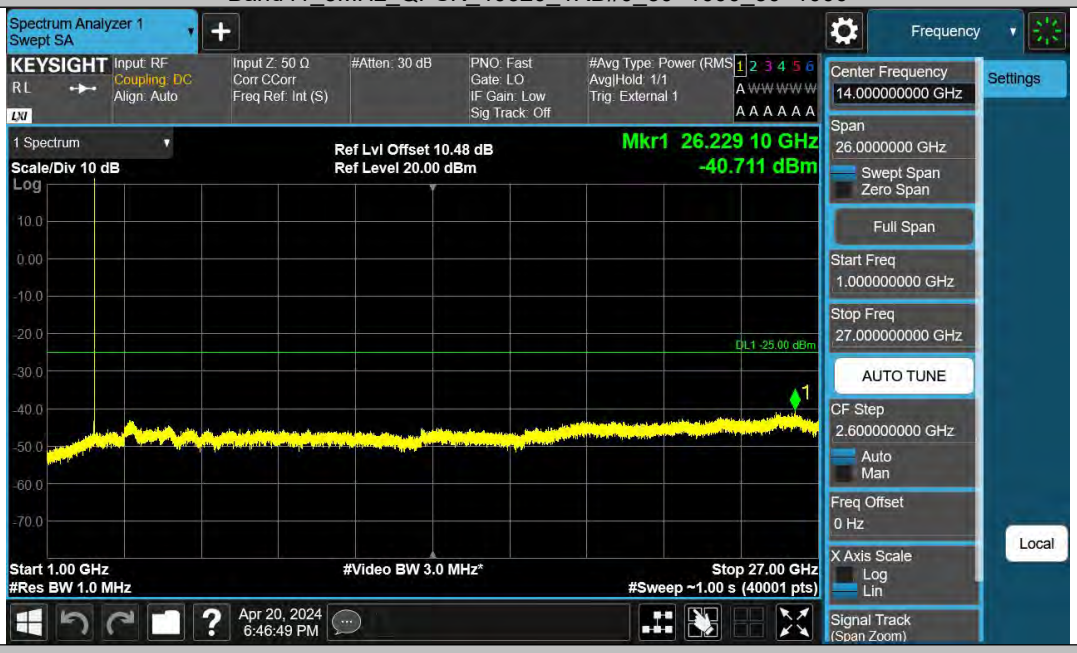
TEST GRAPHS

Band41_5MHz_QPSK_39675_1RB#0_30~1000_30~1000



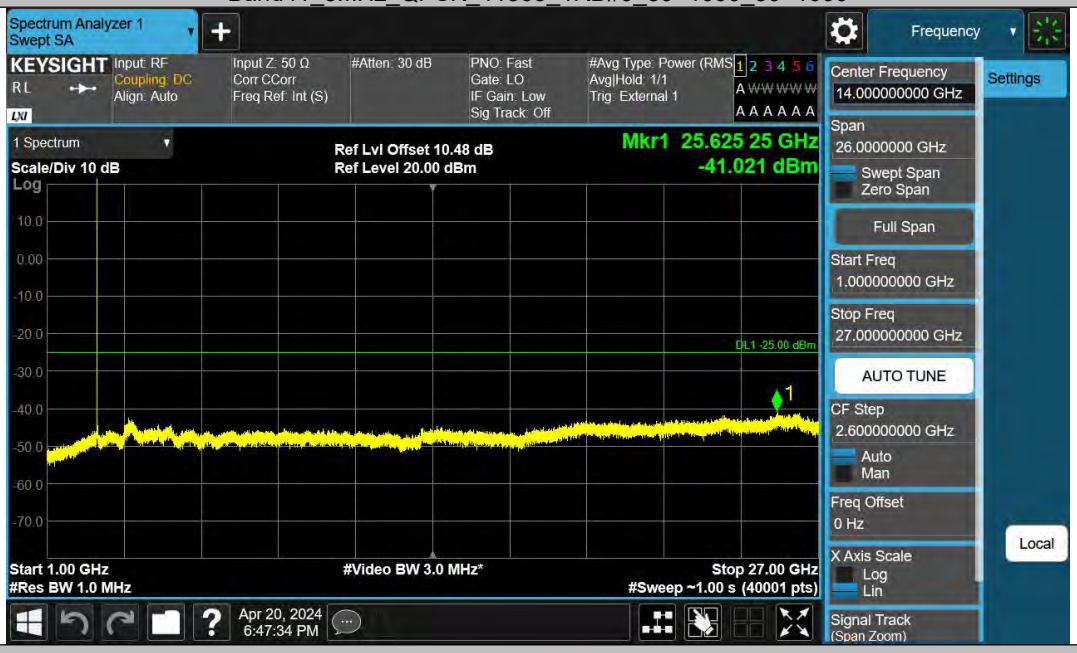
Band41_5MHz_QPSK_39675_1RB#0_1000~27000_1000~27000

Band41_5MHz_QPSK_40620_1RB#0_30~1000_30~1000



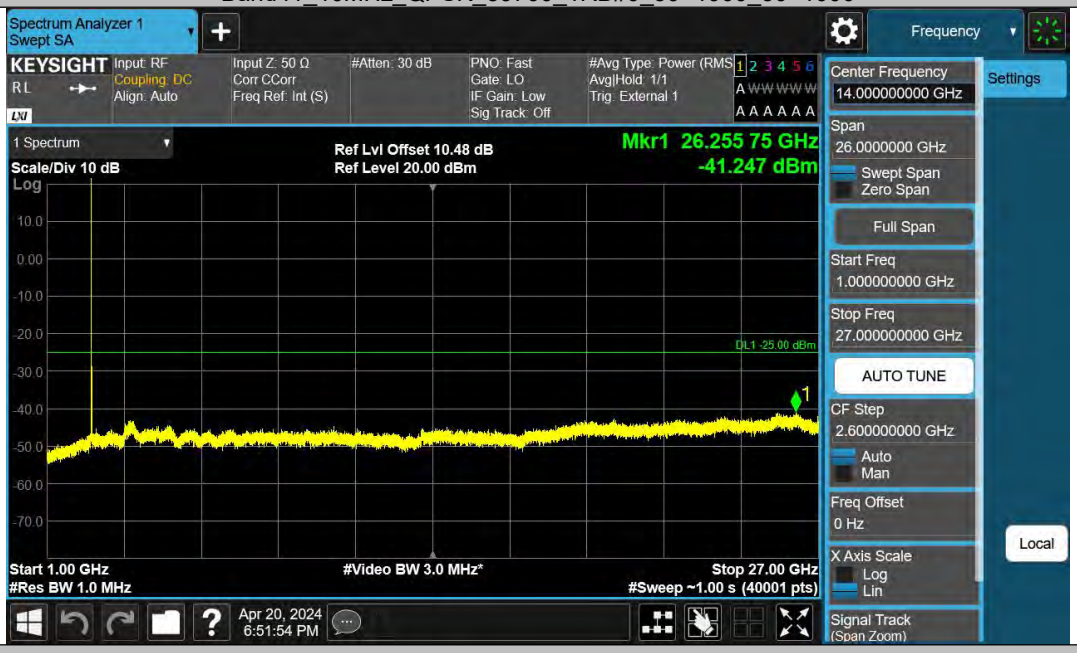
Band41_5MHz_QPSK_40620_1RB#0_1000~27000_1000~27000

Band41_5MHz_QPSK_41565_1RB#0_30~1000_30~1000



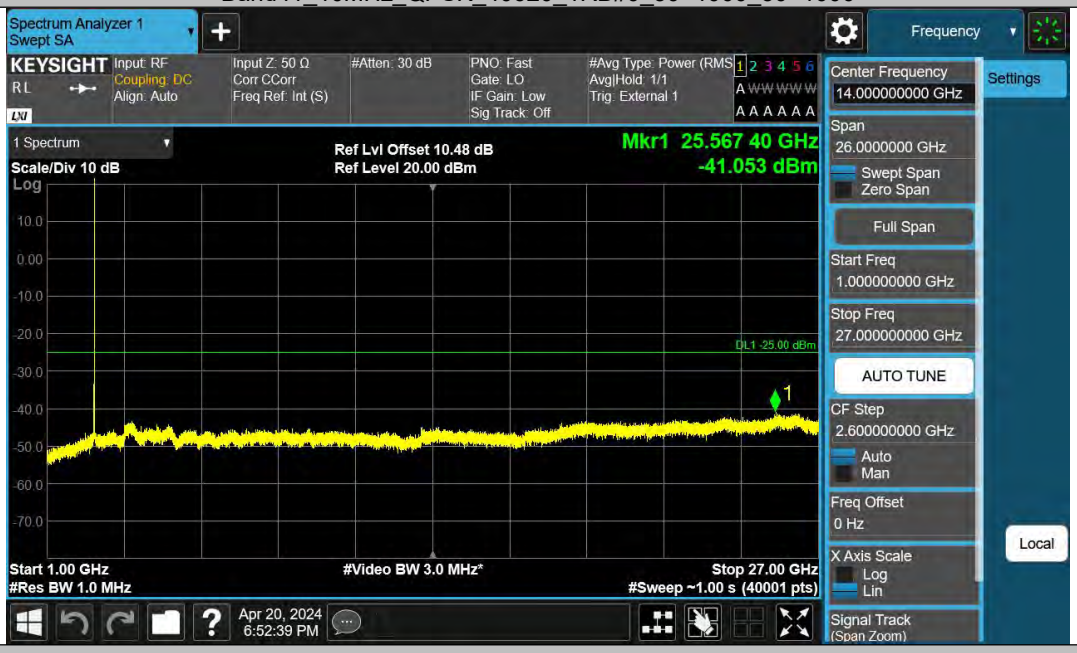
Band41_5MHz_QPSK_41565_1RB#0_1000~27000_1000~27000

Band41_10MHz_QPSK_39700_1RB#0_30~1000_30~1000



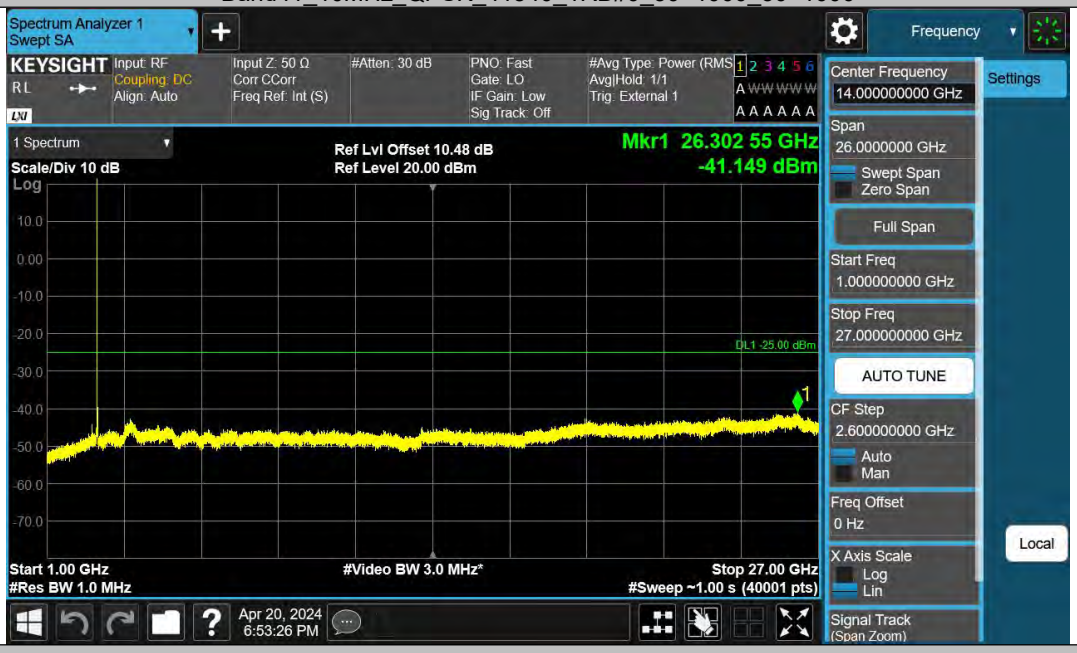
Band41_10MHz_QPSK_39700_1RB#0_1000~27000_1000~27000

Band41_10MHz_QPSK_40620_1RB#0_30~1000_30~1000



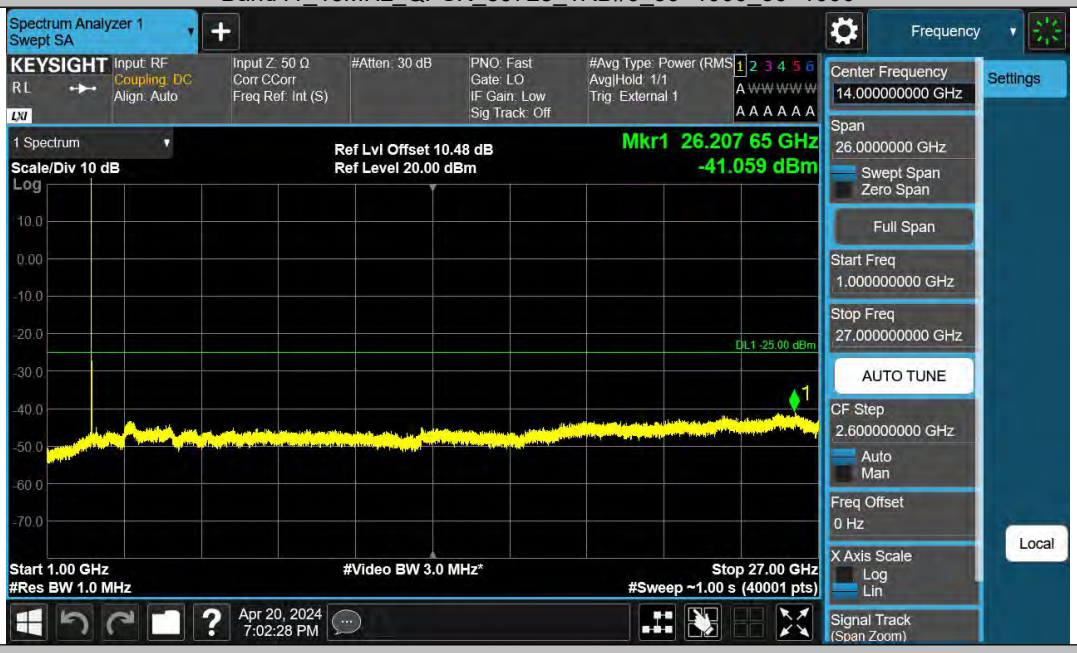
Band41_10MHz_QPSK_40620_1RB#0_1000~27000_1000~27000

Band41_10MHz_QPSK_41540_1RB#0_30~1000_30~1000



Band41_10MHz_QPSK_41540_1RB#0_1000~27000_1000~27000

Band41_15MHz_QPSK_39725_1RB#0_30~1000_30~1000



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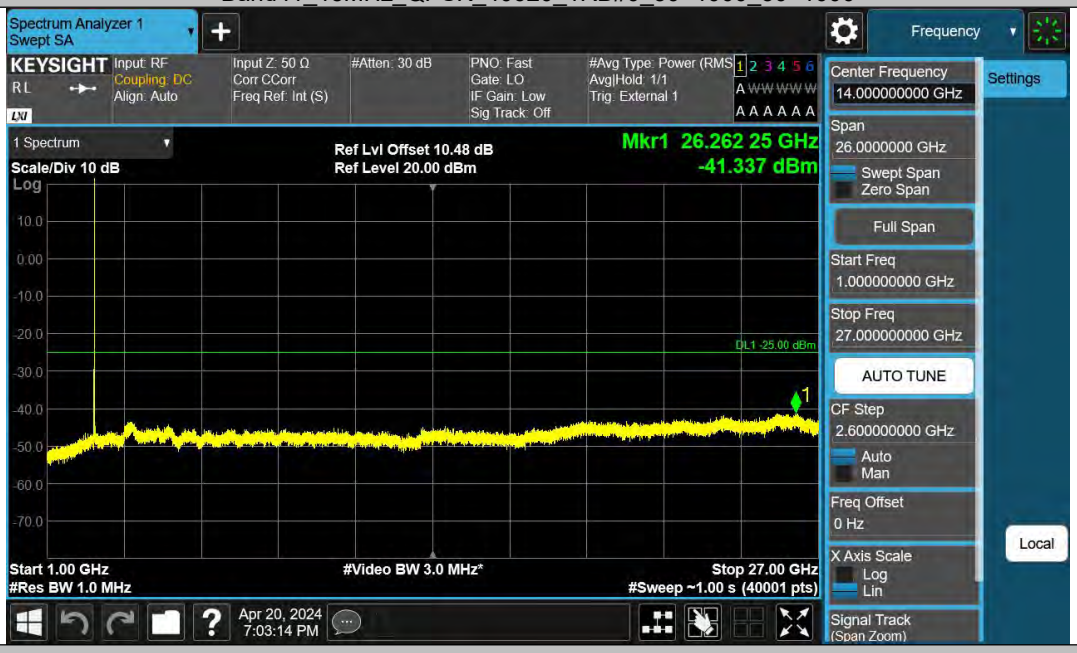
Band41_15MHz_QPSK_40620_1RB#0_30~1000_30~1000



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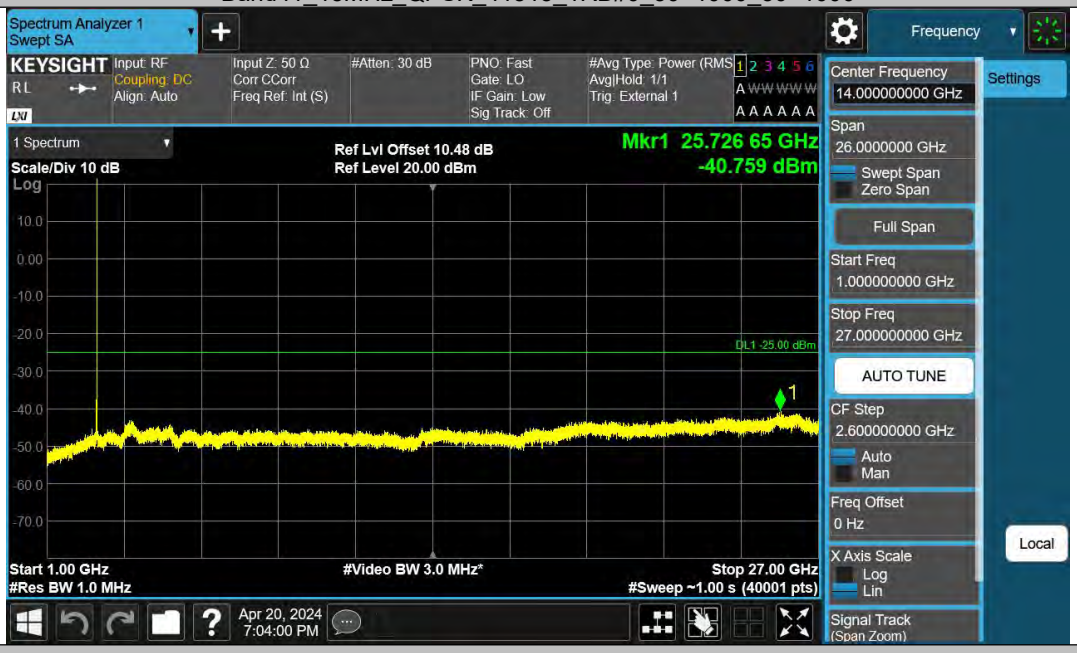
Band41_15MHz_QPSK_41515_1RB#0_30~1000_30~1000



Band41_15MHz_QPSK_41515_1RB#0_1000~27000_1000~27000