APPENDIX D

LTE BAND 26(814-824)

PEAK-TO-AVERAGE RATIO(CCDF)

TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
26(814-824)	10MHz	QPSK	26740	1RB#0	3.70	13	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	5.08	13	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	4.73	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	5.97	13	PASS

TEST GRAPHS

26(814-824)-10MHz-QPSK-26740-1RB#0-PASS

26(814-824)-10MHz-QPSK-26740-50RB#0-PASS

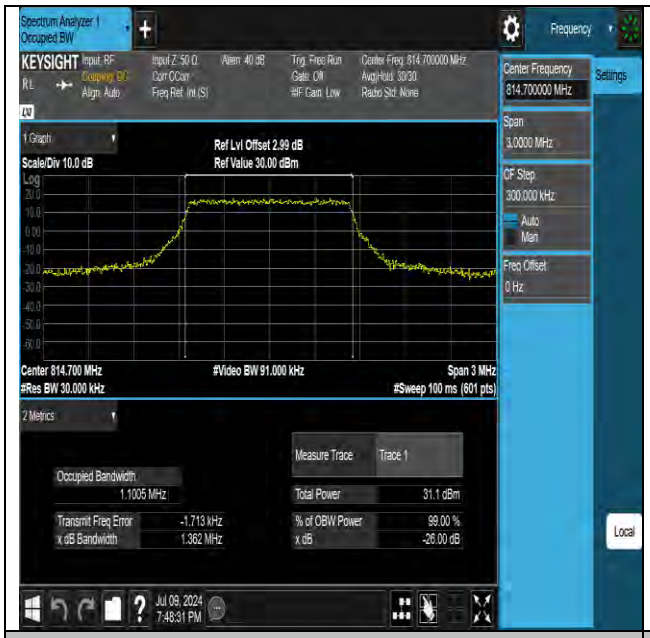
26(814-824)-10MHz-16QAM-26740-1RB#0-PASS

26(814-824)-10MHz-16QAM-26740-50RB#0-PASS

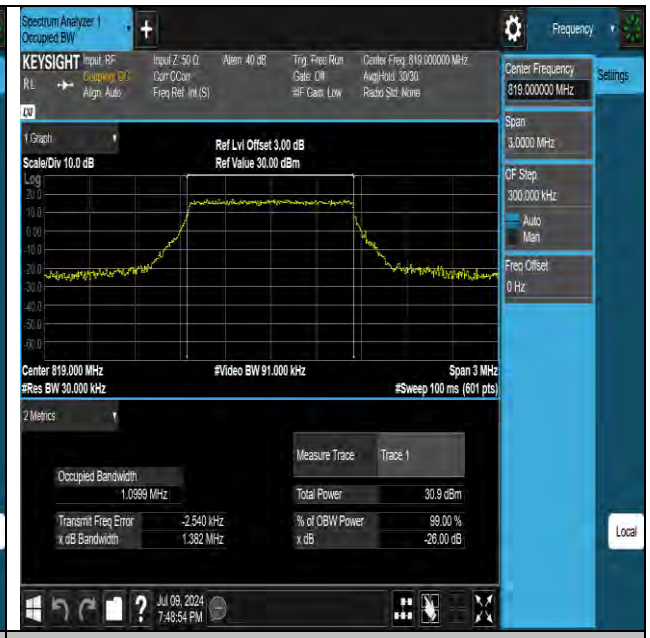
26DB BANDWIDTH AND OCCUPIED BANDWIDTH
TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.1005	1.362	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0999	1.382	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0985	1.353	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1064	1.351	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.1033	1.333	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.1021	1.366	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.7131	3.086	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.7039	3.069	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.6998	3.031	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.7013	3.033	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.7020	3.067	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6966	3.054	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.5290	5.136	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.5234	5.189	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.5188	5.146	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.5287	5.169	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.5243	5.233	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.5102	5.110	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	9.0069	10.04	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	9.0086	10.10	PASS

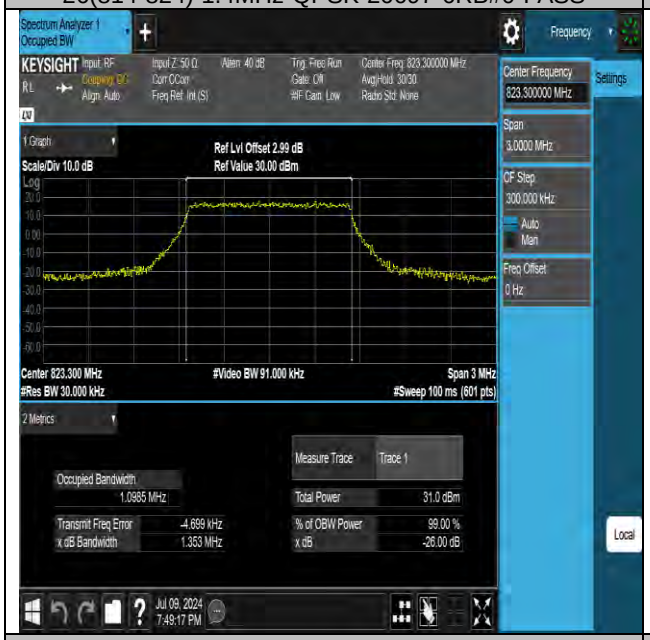
TEST GRAPHS



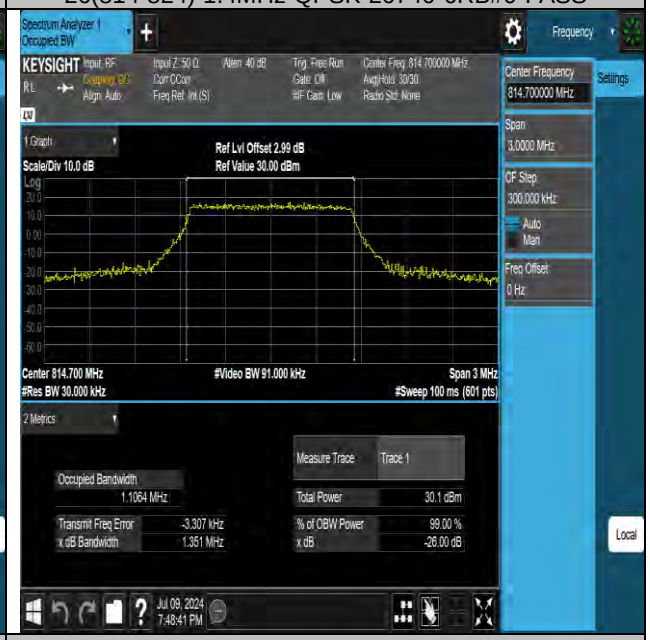
26(814-824)-1.4MHz-QPSK-26697-6RB#0-PASS



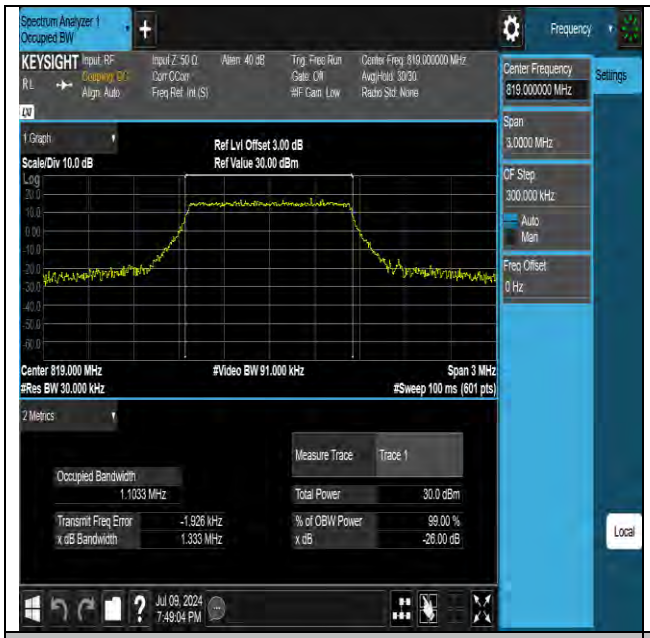
26(814-824)-1.4MHz-QPSK-26740-6RB#0-PASS



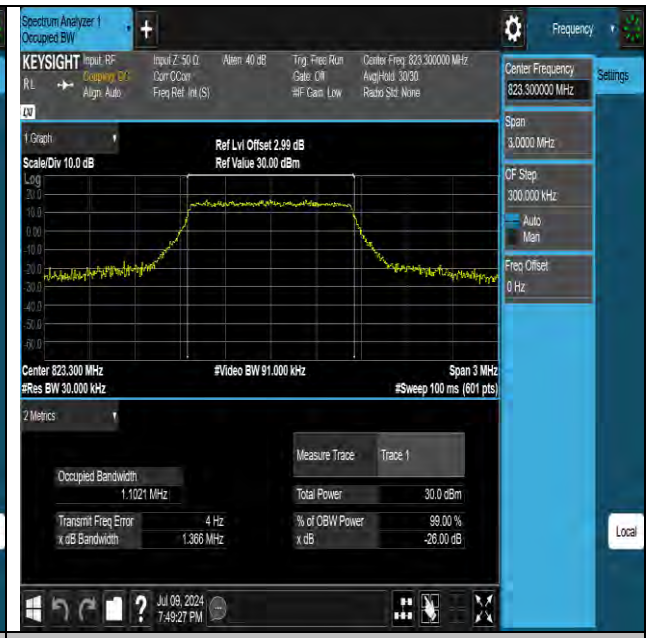
26(814-824)-1.4MHz-QPSK-26783-6RB#0-PASS



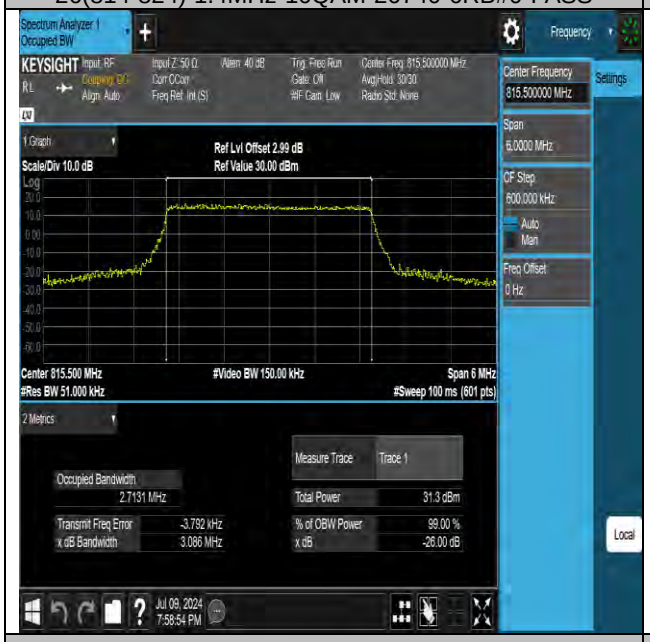
26(814-824)-1.4MHz-16QAM-26697-6RB#0-PASS



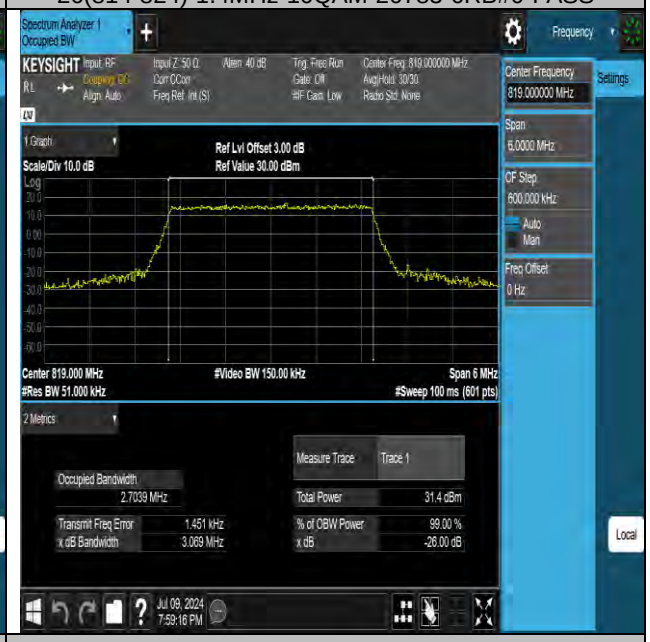
26(814-824)-1.4MHz-16QAM-26740-6RB#0-PASS



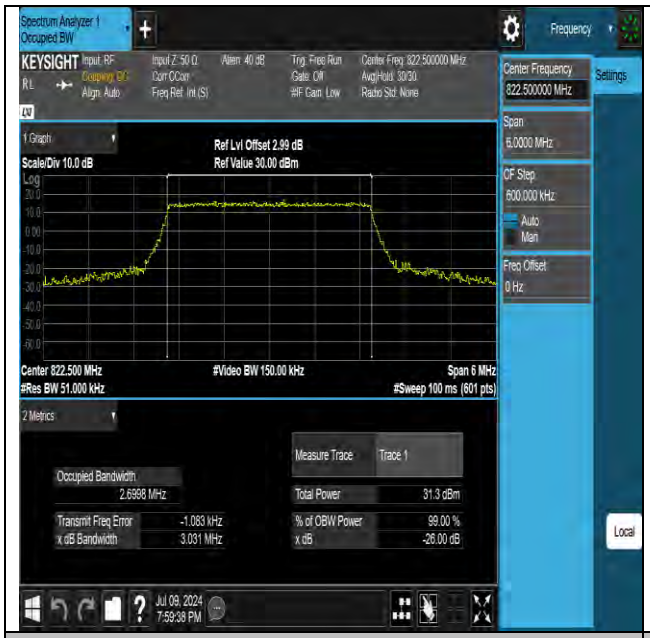
26(814-824)-1.4MHz-16QAM-26783-6RB#0-PASS



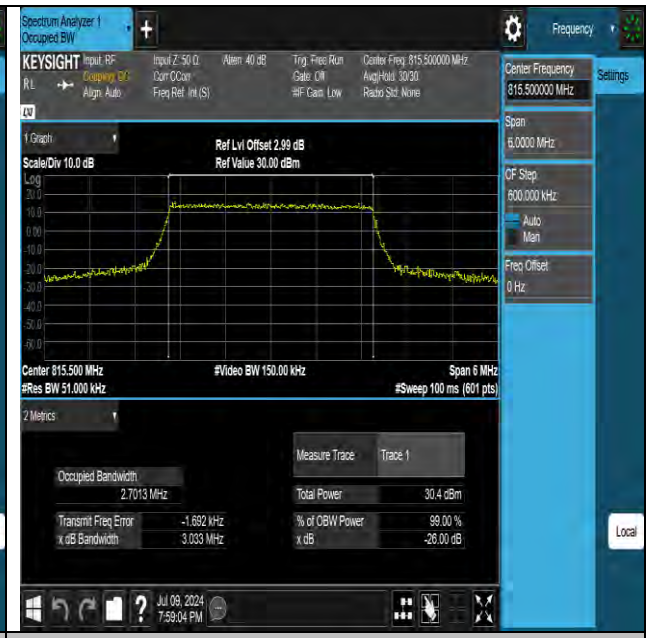
26(814-824)-3MHz-QPSK-26705-15RB#0-PASS



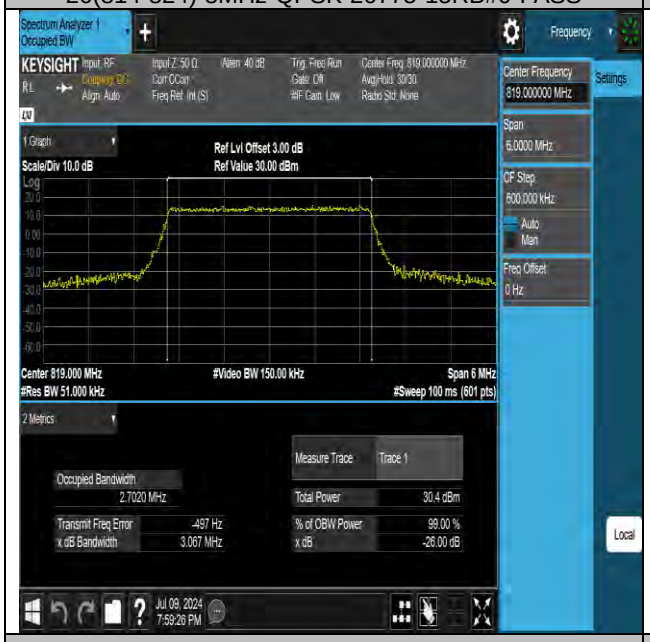
26(814-824)-3MHz-QPSK-26740-15RB#0-PASS



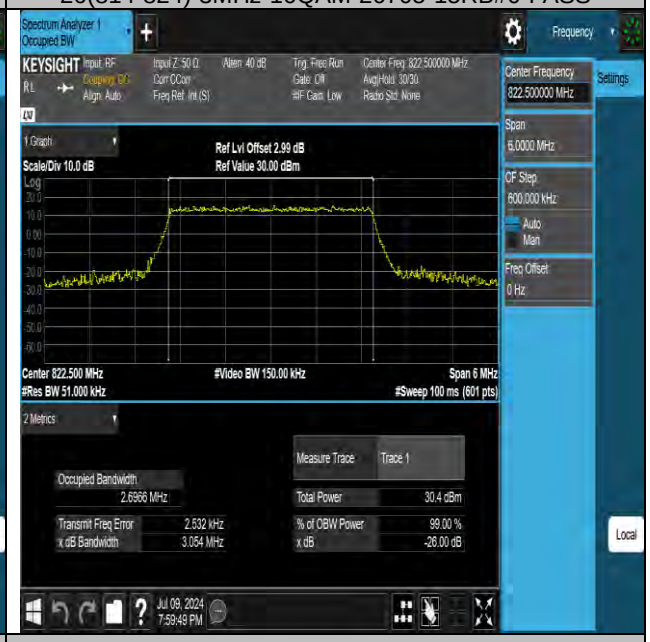
26(814-824)-3MHz-QPSK-26775-15RB#0-PASS



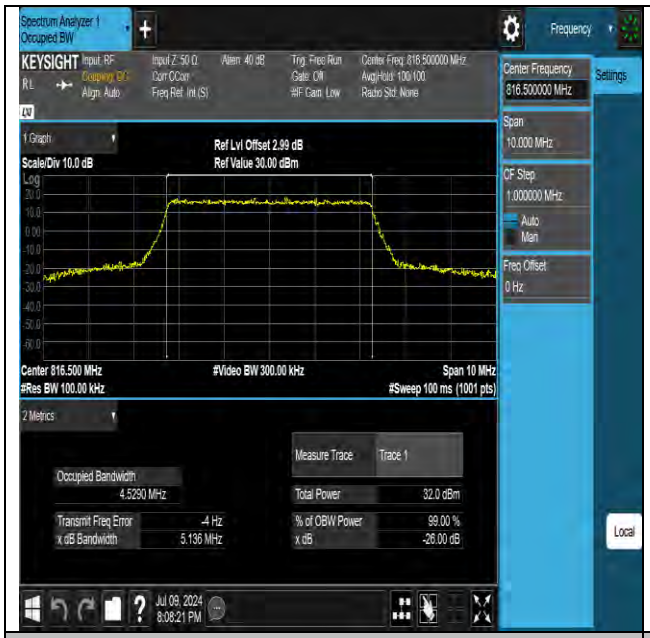
26(814-824)-3MHz-16QAM-26705-15RB#0-PASS



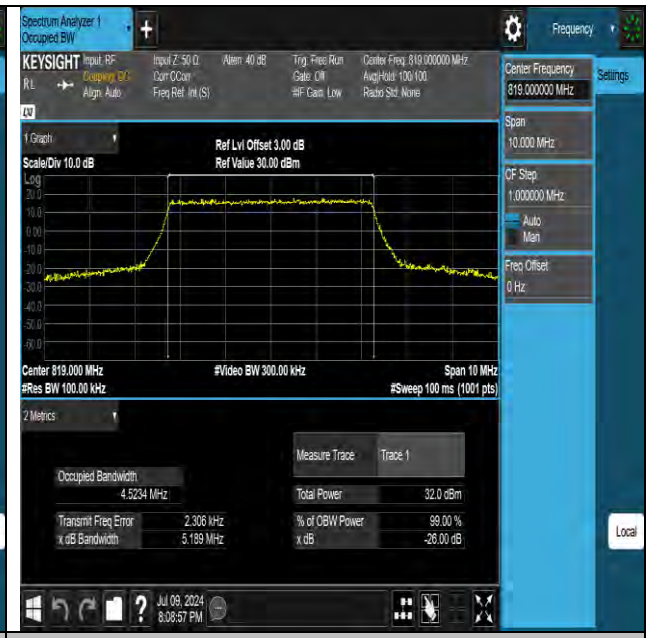
26(814-824)-3MHz-16QAM-26740-15RB#0-PASS



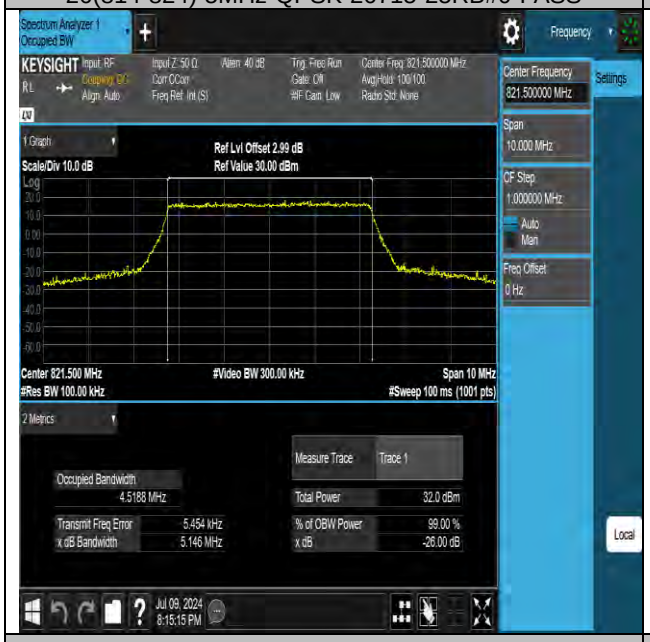
26(814-824)-3MHz-16QAM-26775-15RB#0-PASS



26(814-824)-5MHz-QPSK-26715-25RB#0-PASS

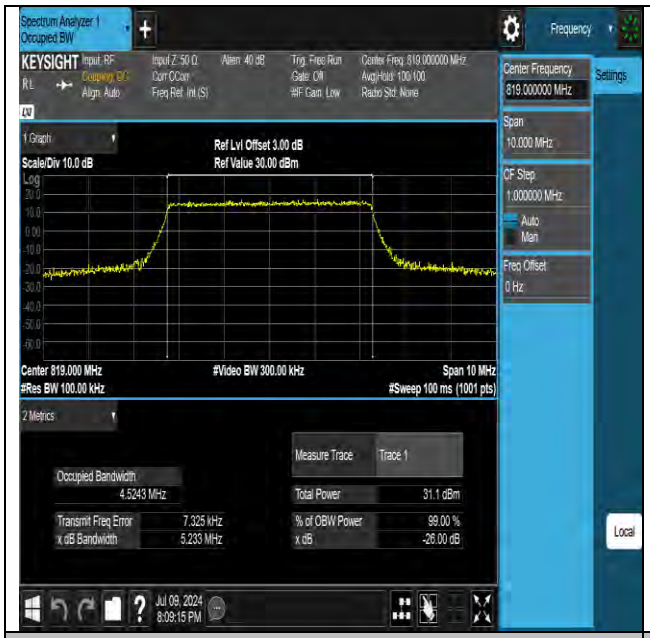


26(814-824)-5MHz-QPSK-26740-25RB#0-PASS

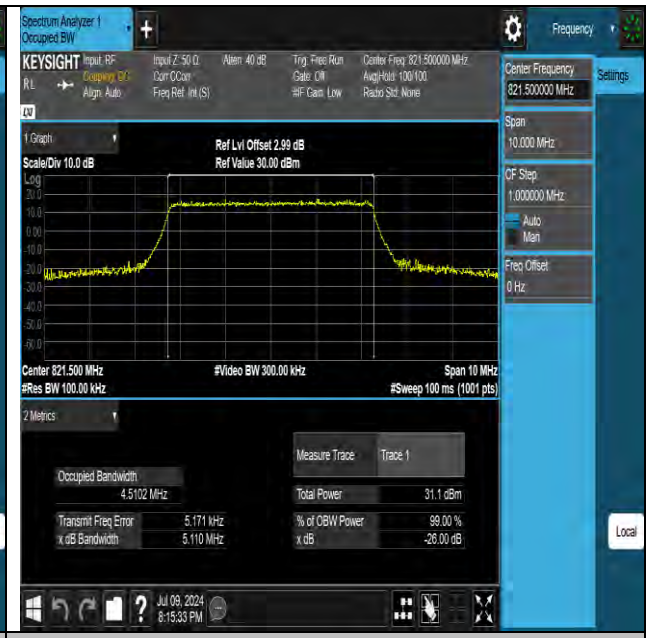


26(814-824)-5MHz-QPSK-26765-25RB#0-PASS

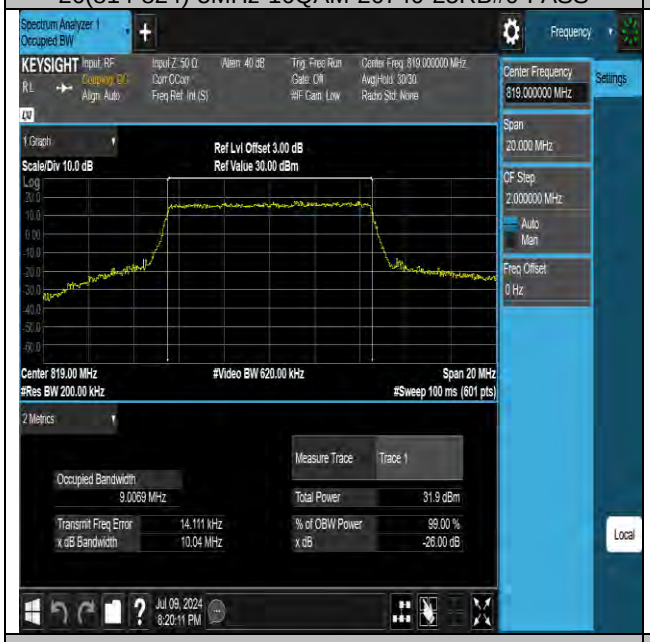
26(814-824)-5MHz-16QAM-26715-25RB#0-PASS



26(814-824)-5MHz-16QAM-26740-25RB#0-PASS



26(814-824)-5MHz-16QAM-26765-25RB#0-PASS



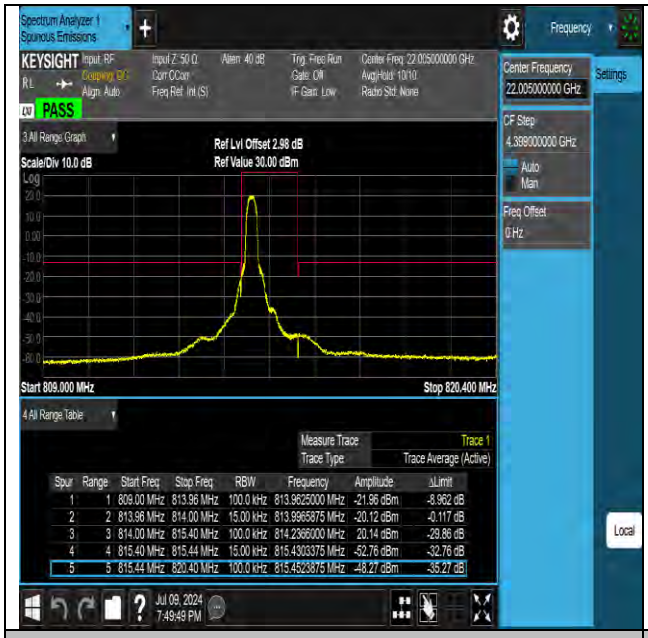
26(814-824)-10MHz-QPSK-26740-50RB#0-PASS

26(814-824)-10MHz-16QAM-26740-50RB#0-PASS

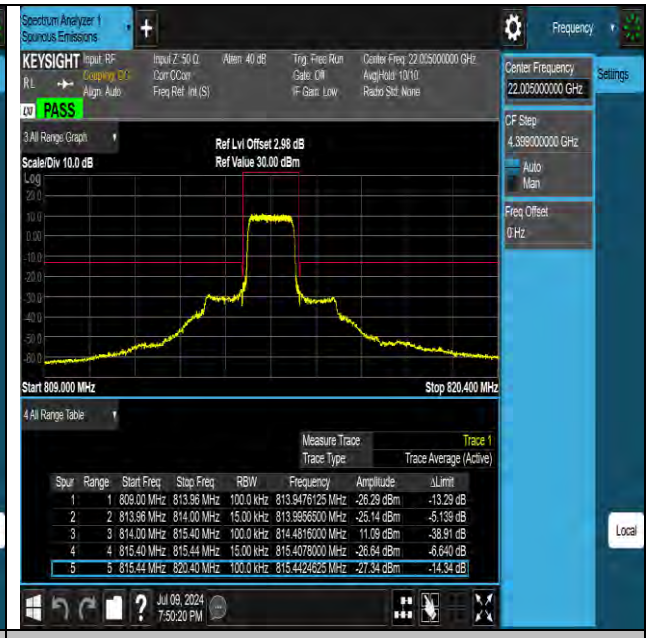
BAND EDGE
TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	-20.12	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	-25.14	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	-20.87	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	-25.13	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	-21.25	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	-26.10	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	-22.15	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	-26.42	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	-21.20	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	-26.65	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	-22.00	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	-27.98	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	-23.81	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	-28.50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	-24.18	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	-28.10	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	-26.18	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	-30.55	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	-26.83	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	-31.49	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	-27.15	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	-30.64	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	-27.20	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	-31.49	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	-36.93	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	-37.75	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	-34.93	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	-37.80	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	-38.16	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	-35.11	PASS

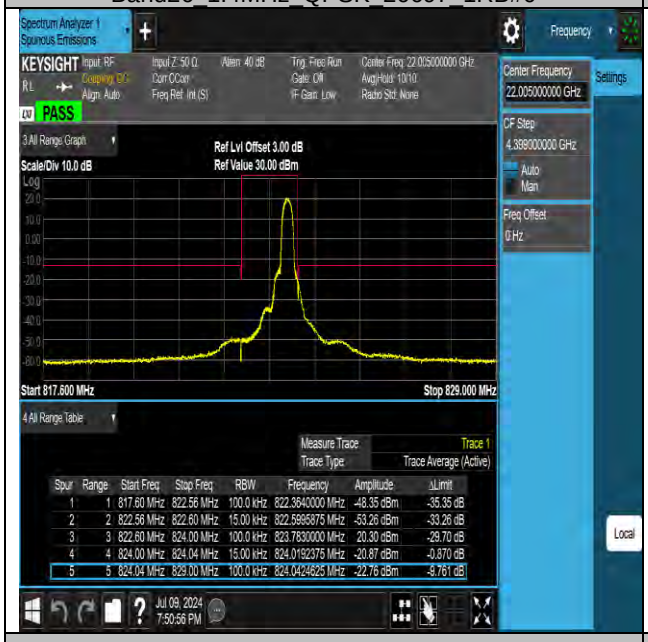
TEST GRAPHS



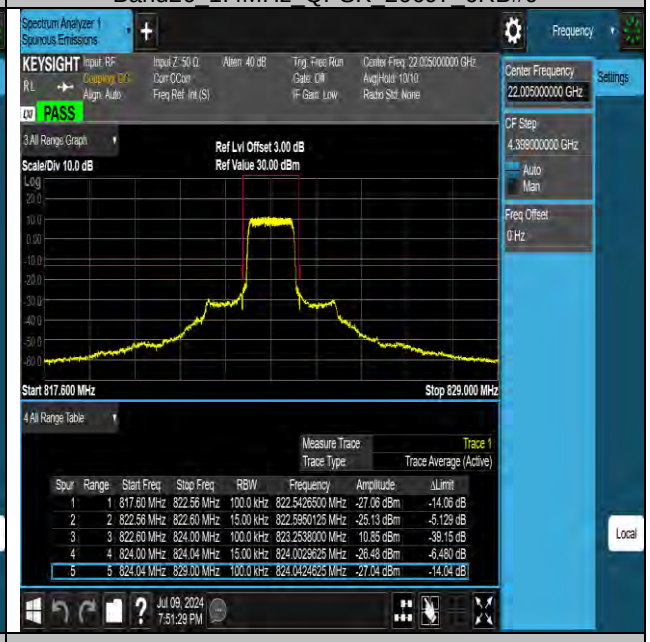
Band26_1.4MHz_QPSK_26697_1RB#0



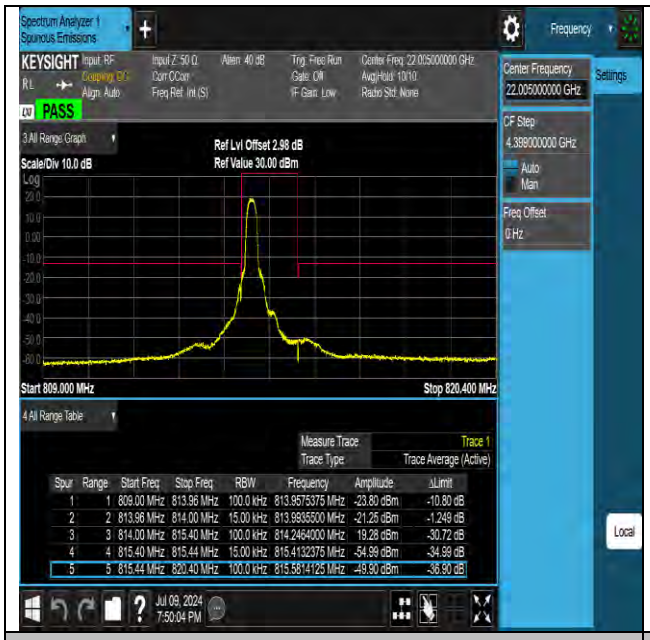
Band26_1.4MHz_QPSK_26697_6RB#0



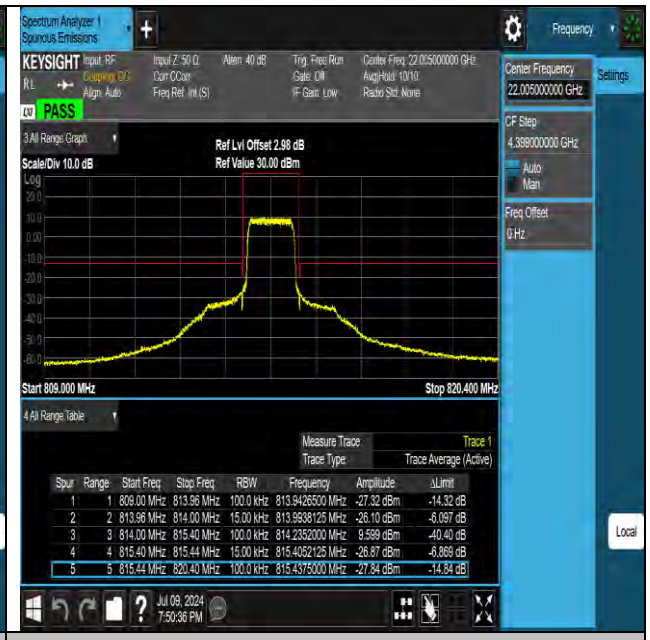
Band26_1.4MHz_QPSK_26783_1RB#5



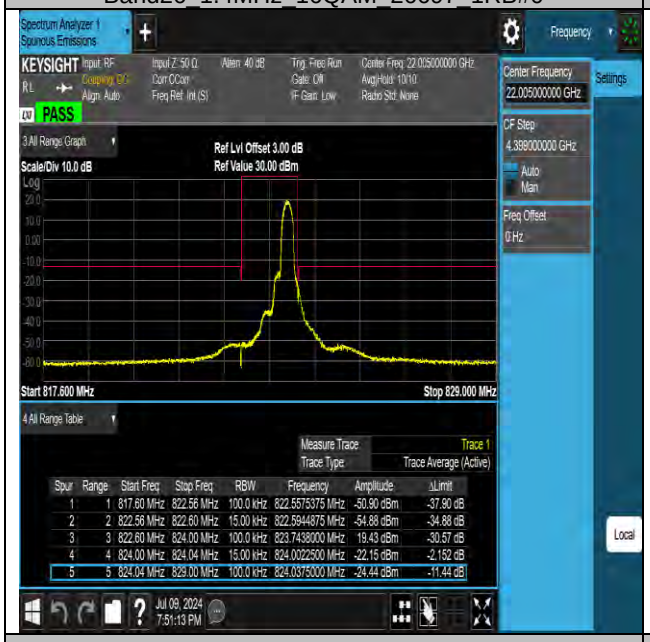
Band26_1.4MHz_QPSK_26783_6RB#0



Band26_1.4MHz_16QAM_26697_1RB#0

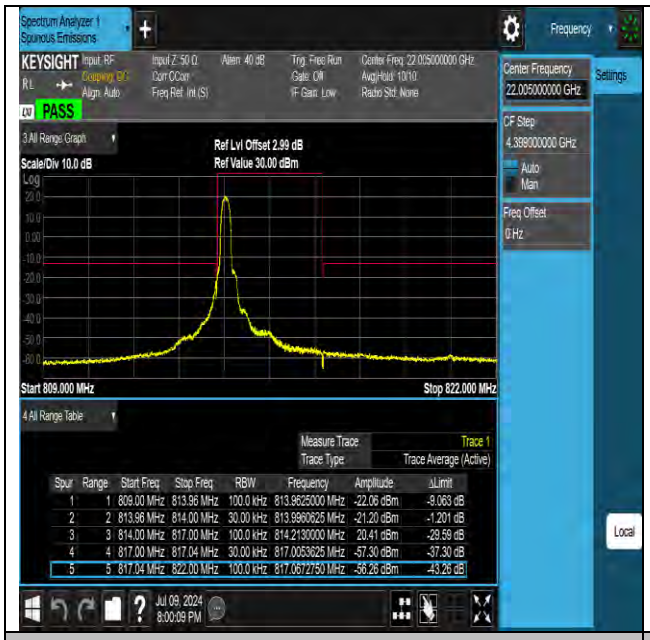


Band26_1.4MHz_16QAM_26697_6RB#0

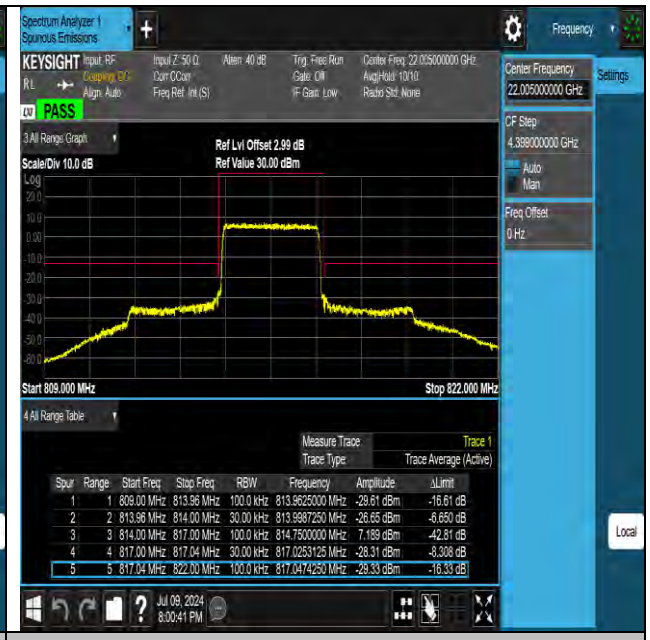


Band26_1.4MHz_16QAM_26783_1RB#5

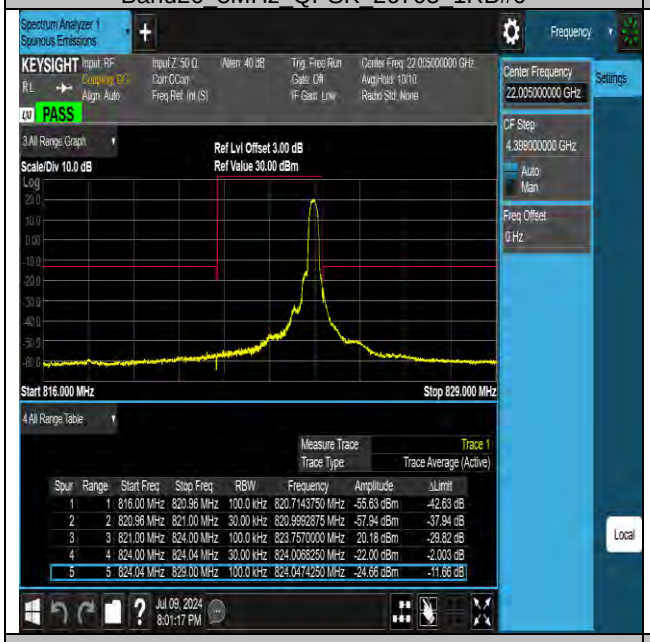
Band26_1.4MHz_16QAM_26783_6RB#0



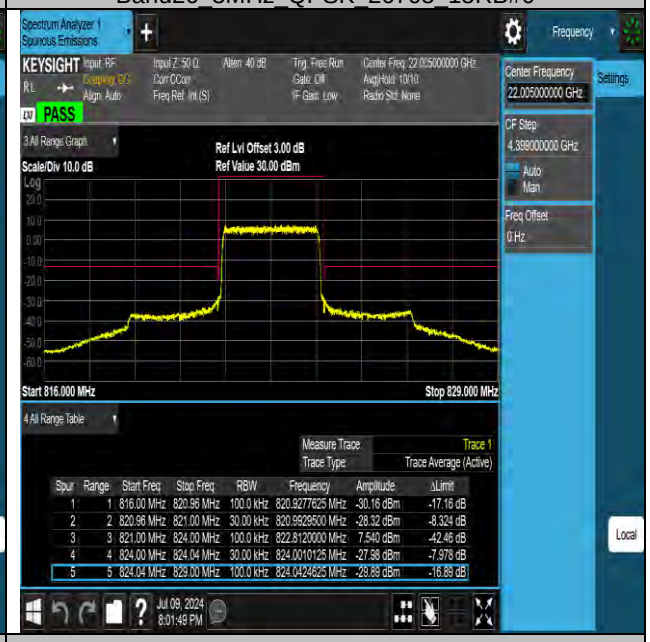
Band26_3MHz_QPSK_26705_1RB#0



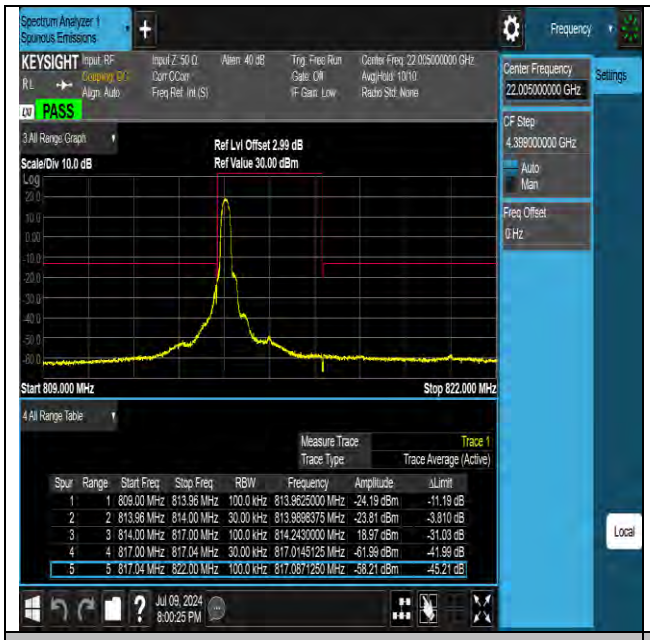
Band26_3MHz_QPSK_26705_15RB#0



Band26_3MHz_QPSK_26775_1RB#14

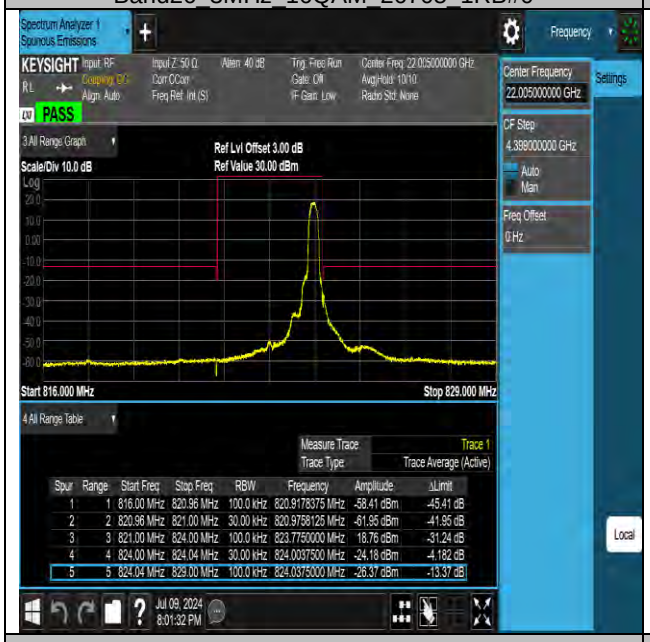


Band26_3MHz_QPSK_26775_15RB#0

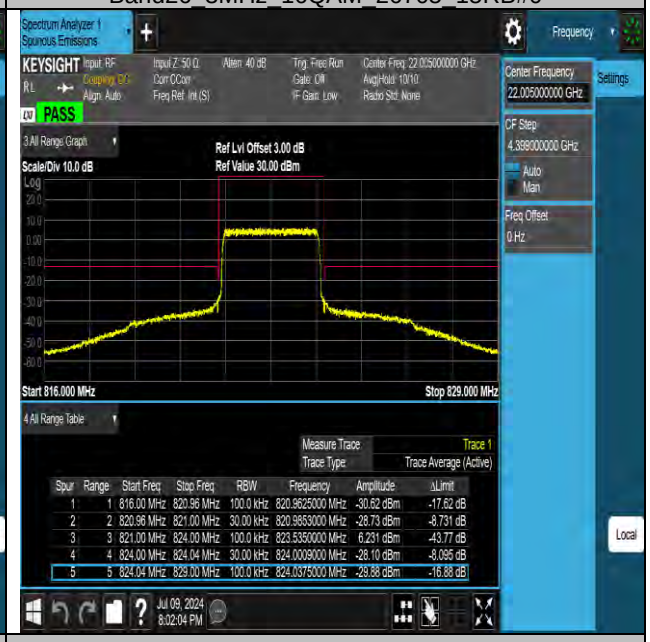


Band26_3MHz_16QAM_26705_1RB#0

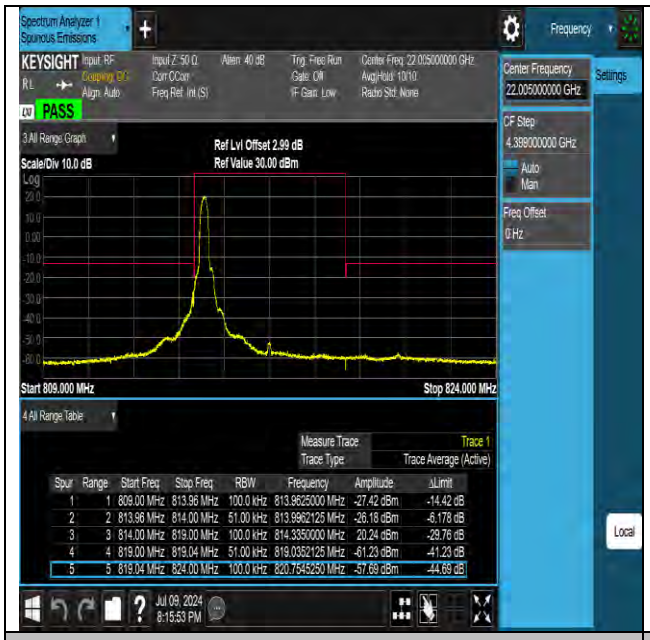
Band26_3MHz_16QAM_26705_15RB#0



Band26_3MHz_16QAM_26775_1RB#14

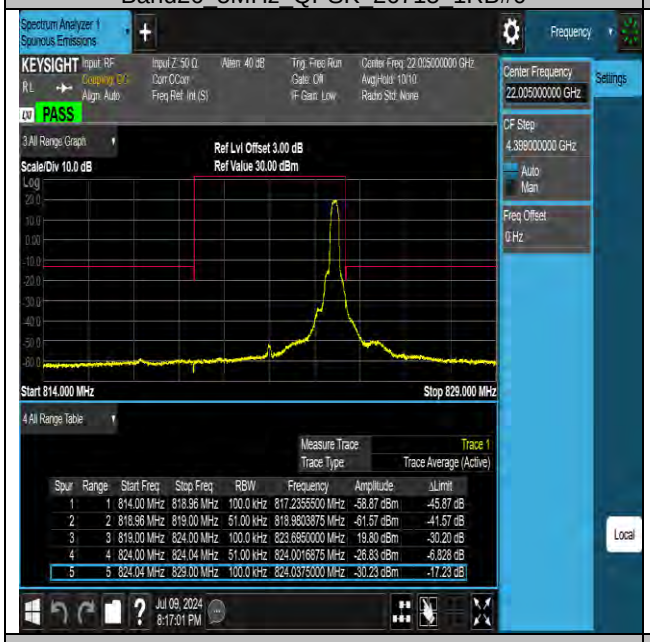


Band26_3MHz_16QAM_26775_15RB#0

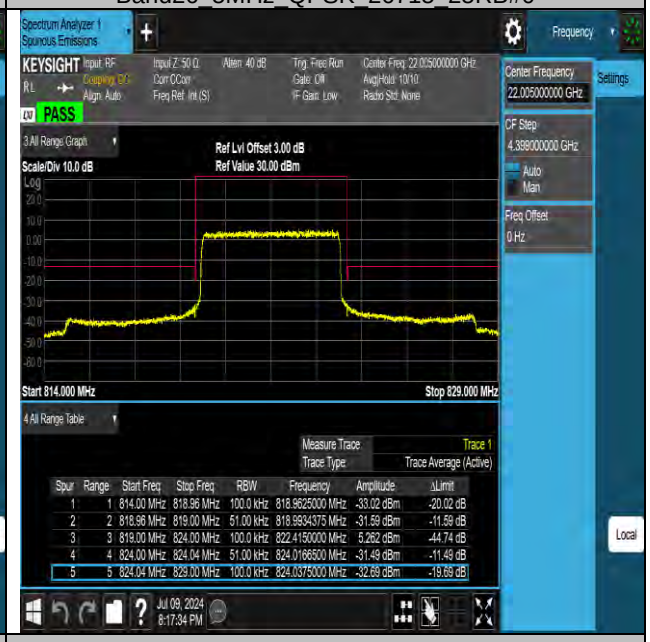


Band26_5MHz_QPSK_26715_1RB#0

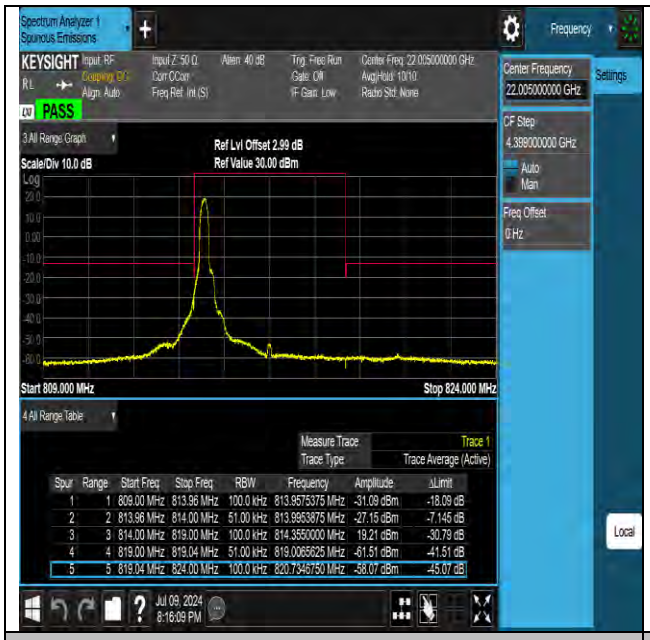
Band26_5MHz_QPSK_26715_25RB#0



Band26_5MHz_QPSK_26765_1RB#24

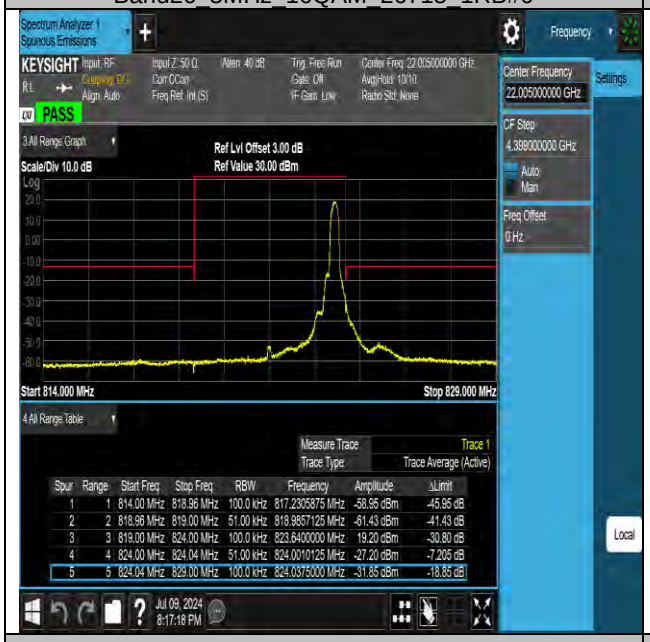


Band26_5MHz_QPSK_26765_25RB#0

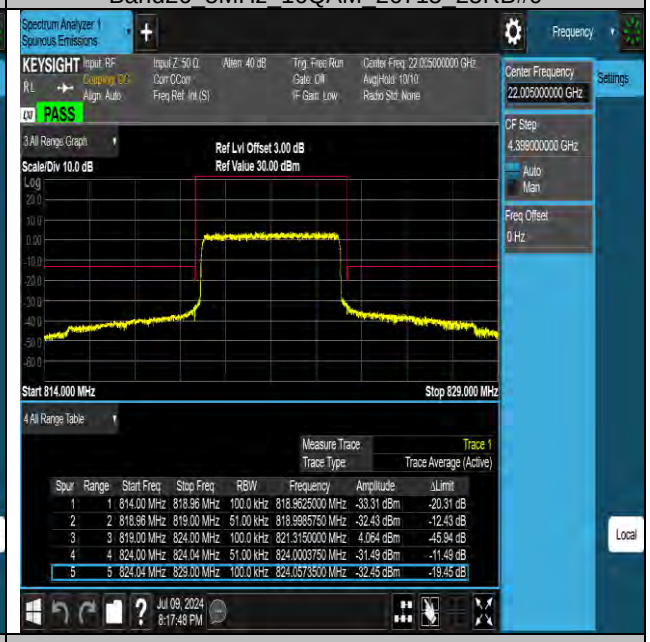


Band26_5MHz_16QAM_26715_1RB#0

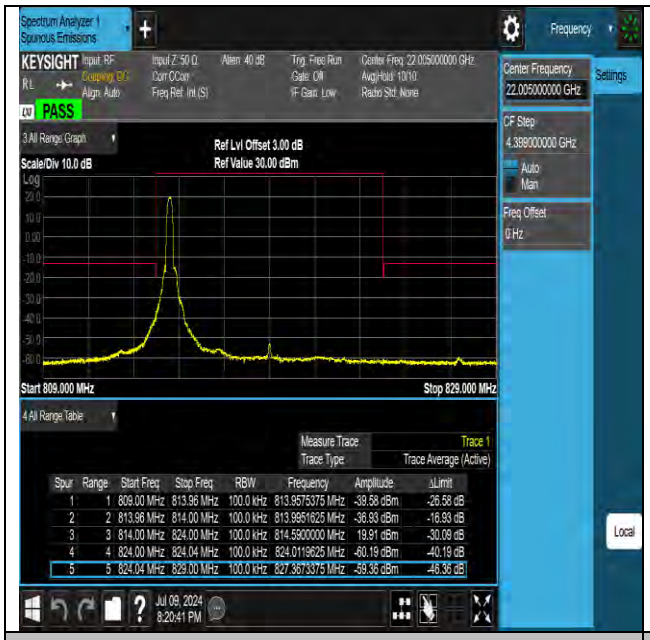
Band26_5MHz_16QAM_26715_25RB#0



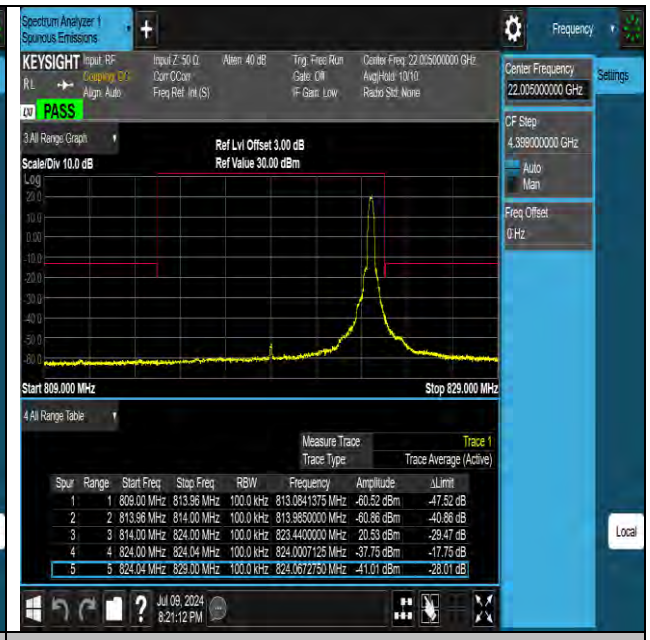
Band26_5MHz_16QAM_26765_1RB#24



Band26_5MHz_16QAM_26765_25RB#0

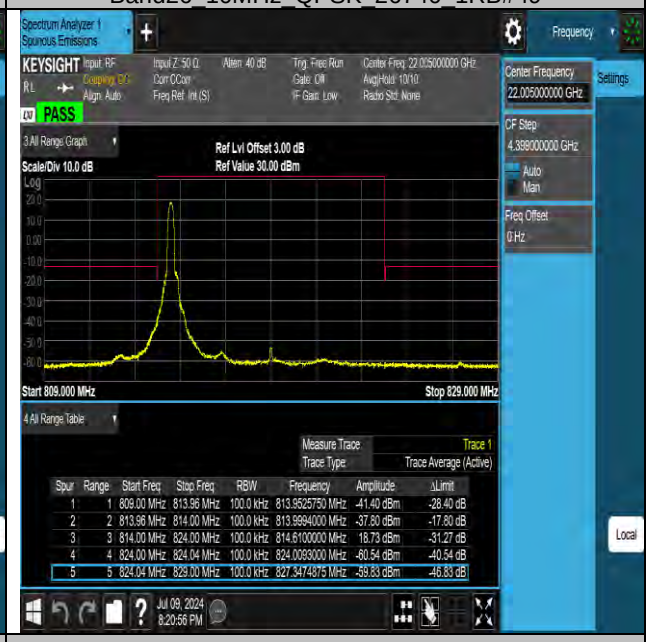


Band26_10MHz_QPSK_26740_1RB#0

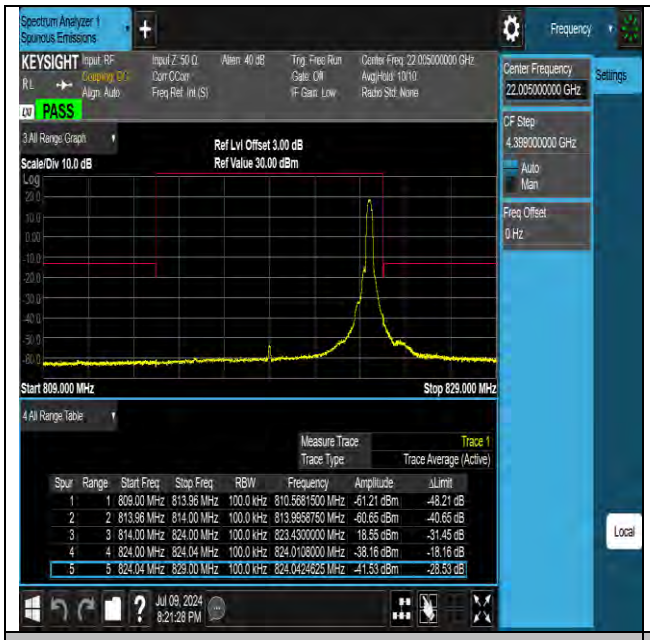


Band26_10MHz_QPSK_26740_1RB#49

Band26_10MHz_QPSK_26740_50RB#0



Band26_10MHz_16QAM_26740_1RB#0



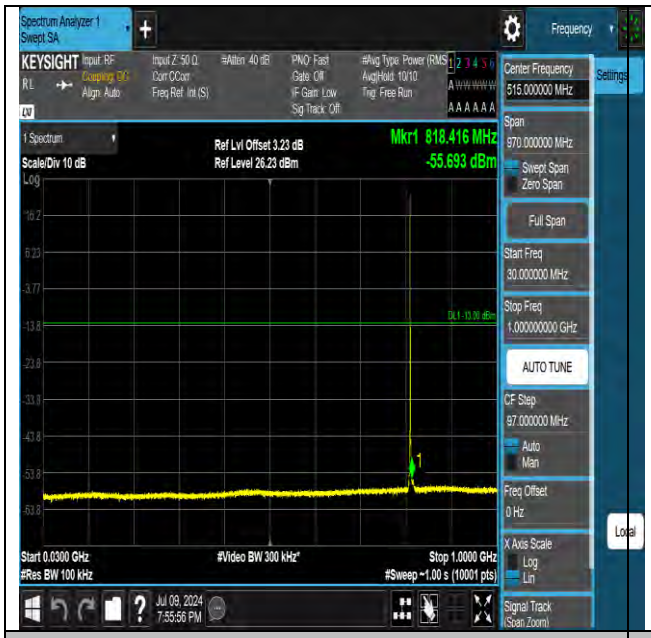
Band26_10MHz_16QAM_26740_1RB#49

Band26_10MHz_16QAM_26740_50RB#0

CONDUCTED SPURIOUS EMISSION
TEST RESULT

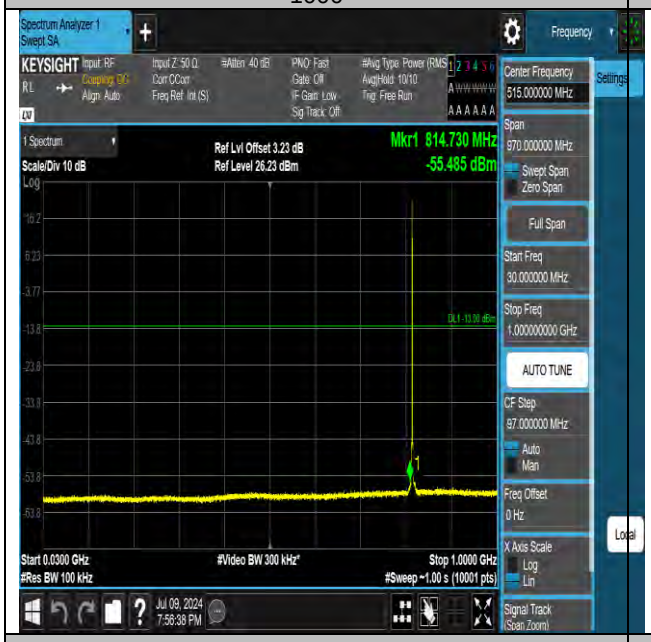
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	30~1000	-55.69	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#0	1000~10000	-38.06	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	30~1000	-55.49	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	1000~10000	-38.08	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	30~1000	-55.57	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	1000~10000	-38.11	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	30~1000	-57.06	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	1000~10000	-38.18	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	30~1000	-56.18	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	1000~10000	-38.09	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	30~1000	-48.65	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	1000~10000	-38.17	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	30~1000	-57.18	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	1000~10000	-38.02	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	30~1000	-57.15	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	1000~10000	-38.01	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	30~1000	-56.91	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	1000~10000	-38.12	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	30~1000	-57.28	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	1000~10000	-38.13	PASS

TEST GRAPHS



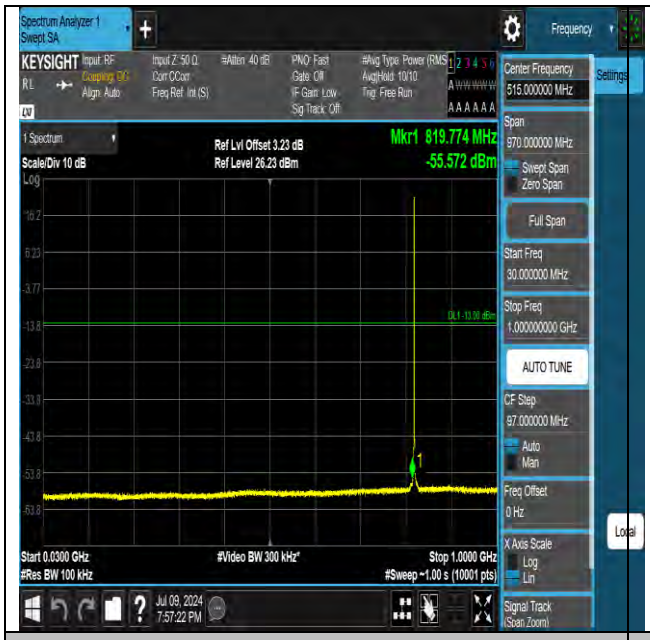
Band26_1.4MHz_QPSK_26697_1RB#0_30~1000_30~1000

Band26_1.4MHz_QPSK_26697_1RB#0_1000~10000_1000~10000



Band26_1.4MHz_QPSK_26740_1RB#0_30~1000_30~1000

Band26_1.4MHz_QPSK_26740_1RB#0_1000~10000_1000~10000

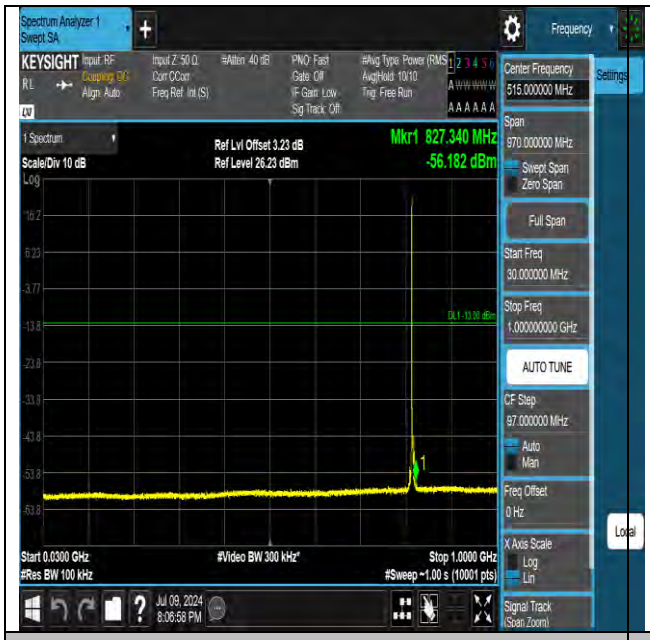


Band26_1.4MHz_QPSK_26783_1RB#0_30~1000_30~1000

Band26_1.4MHz_QPSK_26783_1RB#0_1000~10000_1000~10000

Band26_3MHz_QPSK_26705_1RB#0_30~1000_30~1000

Band26_3MHz_QPSK_26705_1RB#0_1000~10000_1000~10000

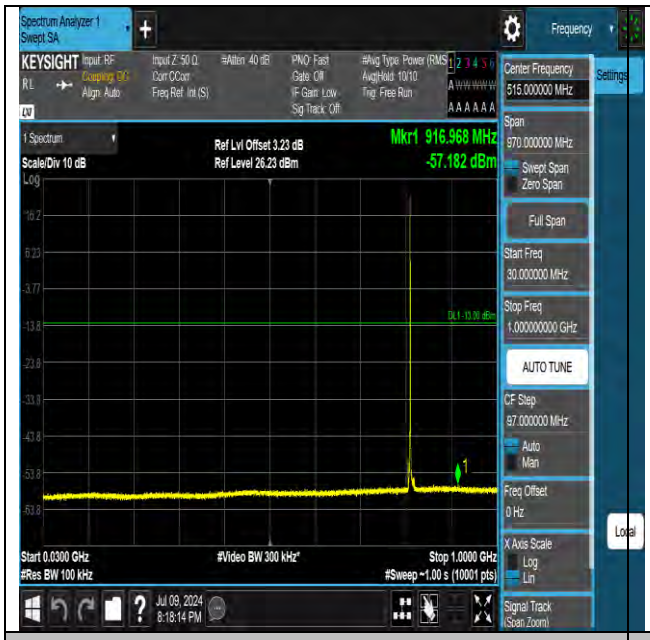


Band26_3MHz_QPSK_26740_1RB#0_30~1000_30~1000

Band26_3MHz_QPSK_26740_1RB#0_1000~10000_1000~10000

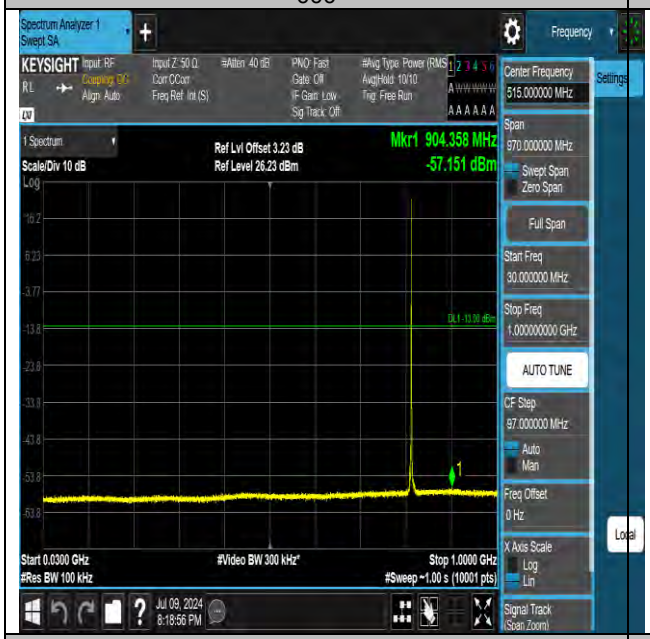
Band26_3MHz_QPSK_26775_1RB#0_30~1000_30~1000

Band26_3MHz_QPSK_26775_1RB#0_1000~10000_1000~10000



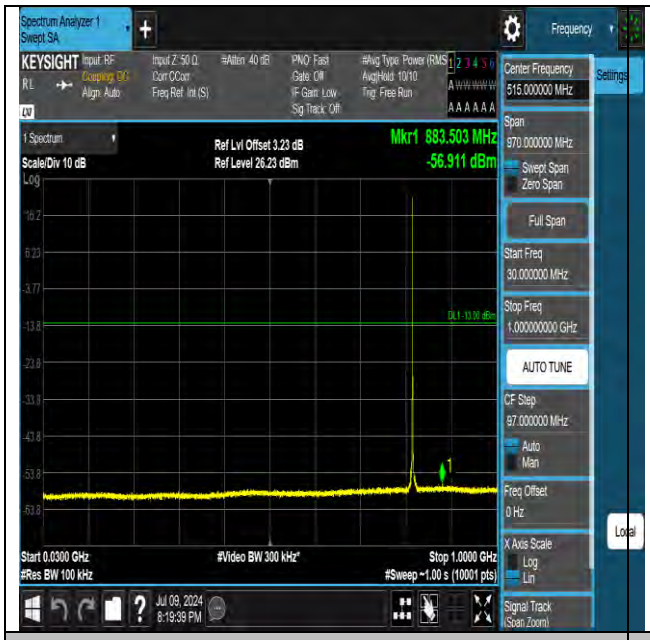
Band26_5MHz_QPSK_26715_1RB#0_30~1000_30~1000

Band26_5MHz_QPSK_26715_1RB#0_1000~10000_1000~10000

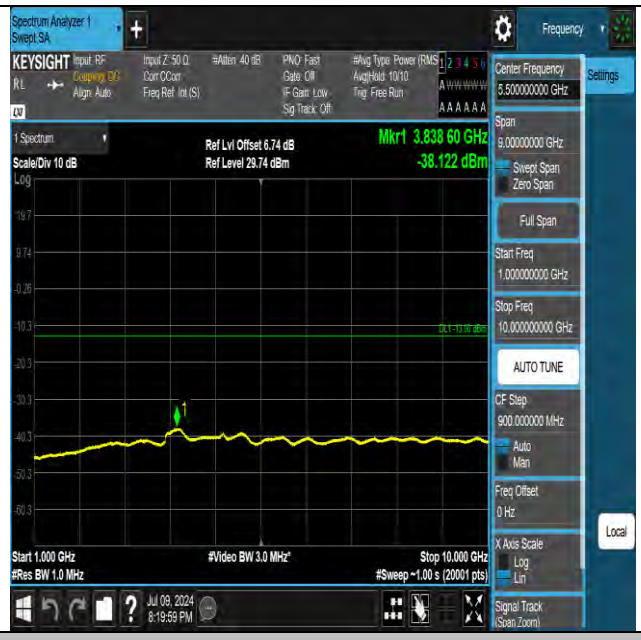


Band26_5MHz_QPSK_26740_1RB#0_30~1000_30~1000

Band26_5MHz_QPSK_26740_1RB#0_1000~10000_1000~10000

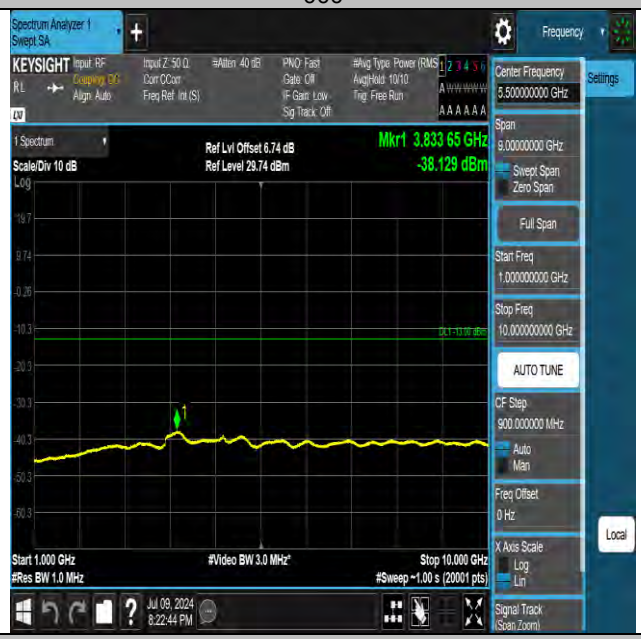


Band26_5MHz_QPSK_26765_1RB#0_30~1000_30~1000



Band26_5MHz_QPSK_26765_1RB#0_1000~10000_1000~10000

Band26_10MHz_QPSK_26740_1RB#0_30~1000_30~1000



Band26_10MHz_QPSK_26740_1RB#0_1000~10000_1000~10000

FREQUENCY STABILITY
TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
26(814-824)	5MHz	QPSK	26715	25RB #0	VN	NT	-1111.24	-1.360981	814.52958	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	VL	NT	1144.82	1.402106	814.53035	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	VH	NT	-1289.62	-1.579450	814.52534	---	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	VN	NT	887.38	1.080191	---	823.48488	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	VL	NT	-934.99	-1.138152	---	823.48135	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	VH	NT	-1081.07	-1.315968	---	823.48135	814-824	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	-30	-1089.52	-1.334374	814.5357	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	-20	1240.75	1.519591	814.5305	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	-10	-1392.92	-1.705967	814.52215	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	0	-1404.30	-1.719906	814.53605	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	10	1270.65	1.556215	814.53421	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	20	-1433.51	-1.755676	814.5305	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	30	1273.32	1.559484	814.52672	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	40	1151.55	1.410345	814.52918	---	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	50	-1309.17	-1.603389	814.53245	---	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	-30	926.08	1.127303	---	823.4836	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	-20	-1210.35	-1.473347	---	823.4833	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	-10	-1245.50	-1.516125	---	823.48575	814-824	PASS
26(81	5MHz	QPSK	26765	25RB	NV	0	1246.	1.517	---	823.4	814-8	PASS

4-824)				#0			90	832		8135	24	
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	10	1264.27	1.538983	---	823.47911	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	20	-430.01	-0.523450	---	823.4736	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	30	-488.47	-0.594603	---	823.47832	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	40	-1531.03	-1.863706	---	823.47838	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	50	-1705.14	-2.075642	---	823.47645	814-824	PASS

--END--