

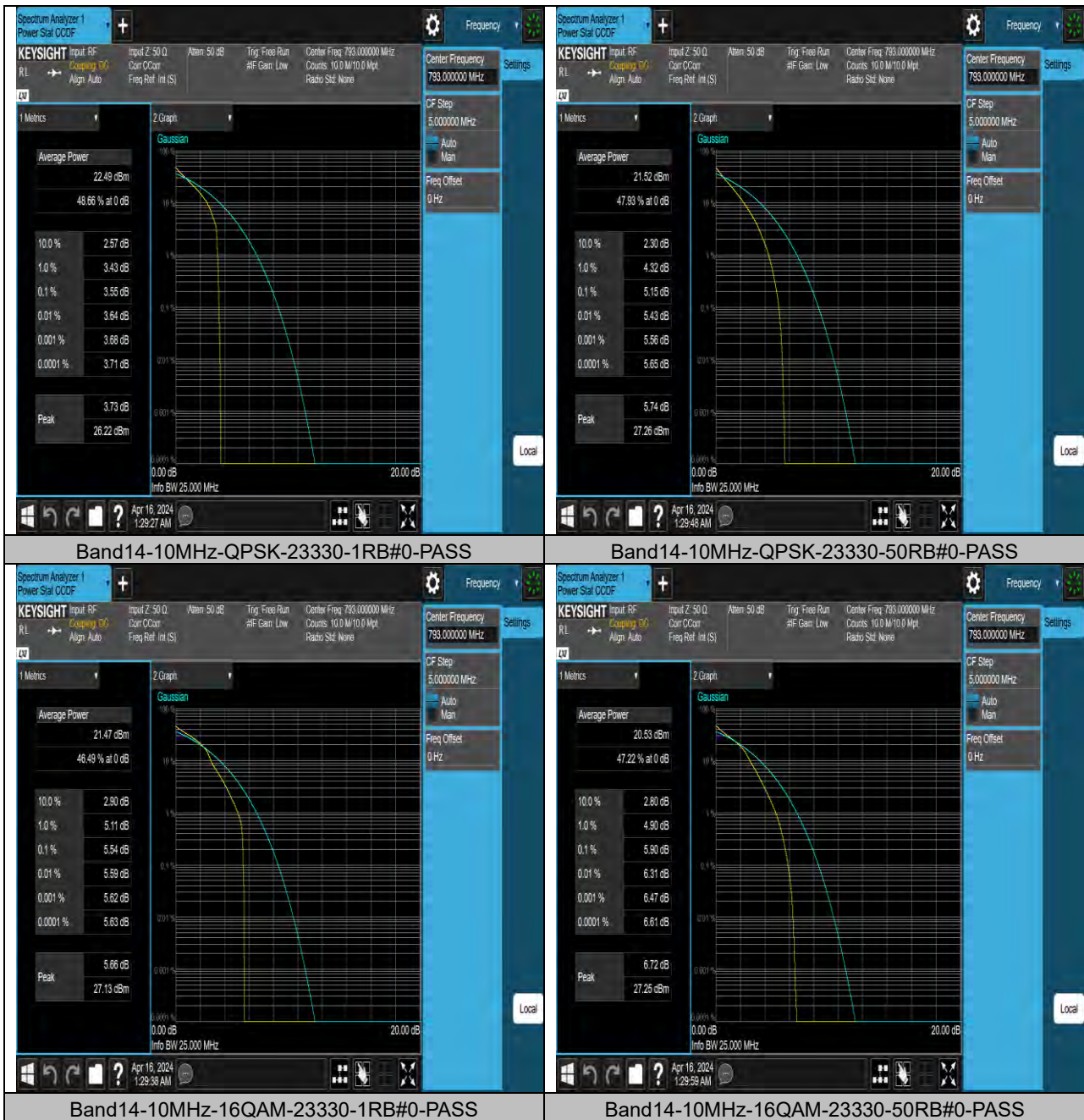
APPENDIX E

LTE BAND 14

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	10MHz	QPSK	23330	1RB#0	3.55	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.15	13	PASS
Band14	10MHz	16QAM	23330	1RB#0	5.54	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.90	13	PASS

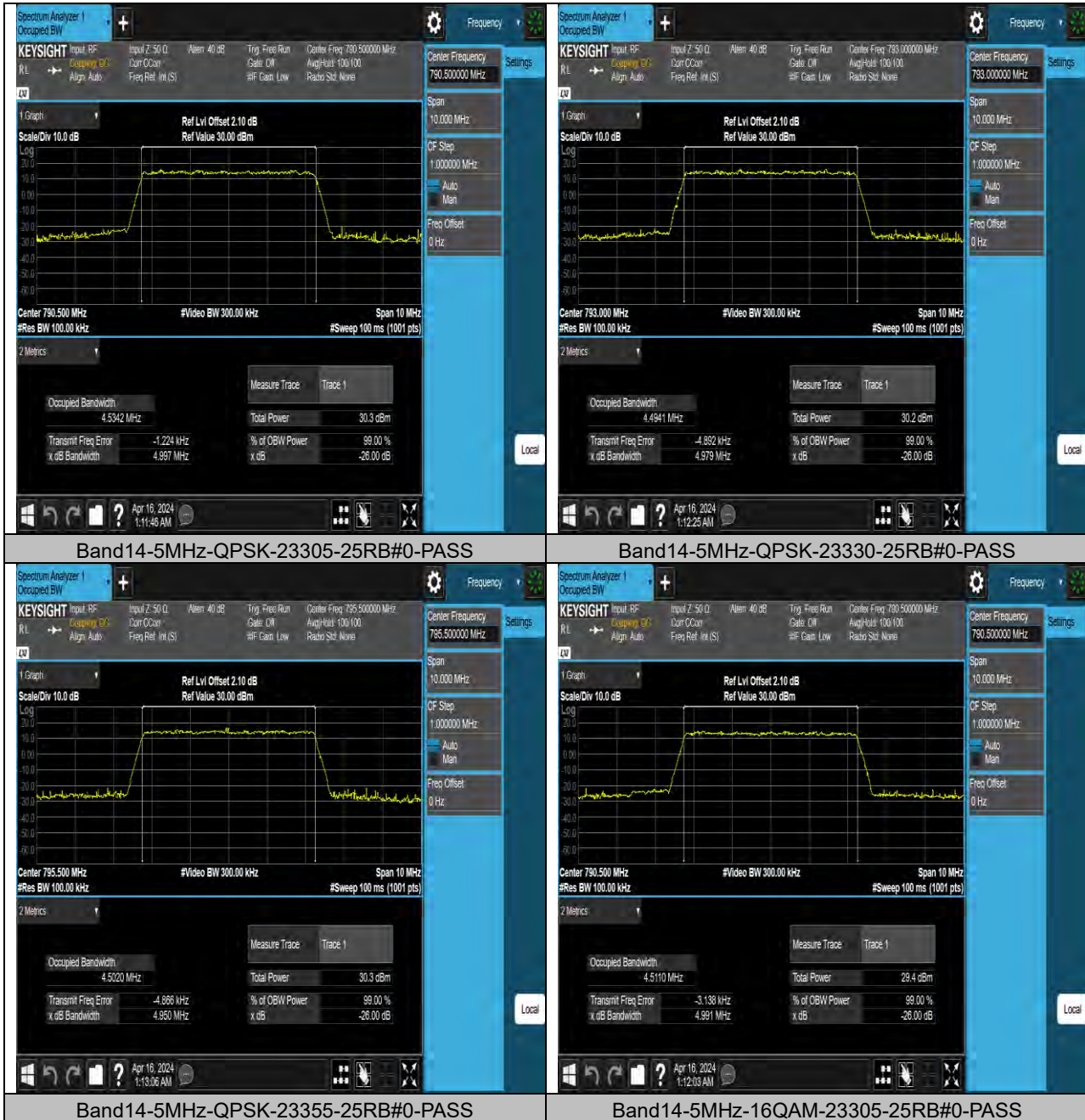
TEST GRAPHS



26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5342	4.997	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.4941	4.979	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.5020	4.950	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5110	4.991	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4969	4.971	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5000	4.958	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9797	9.891	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9797	9.820	PASS

TEST GRAPHS





BUREAU
VERITAS

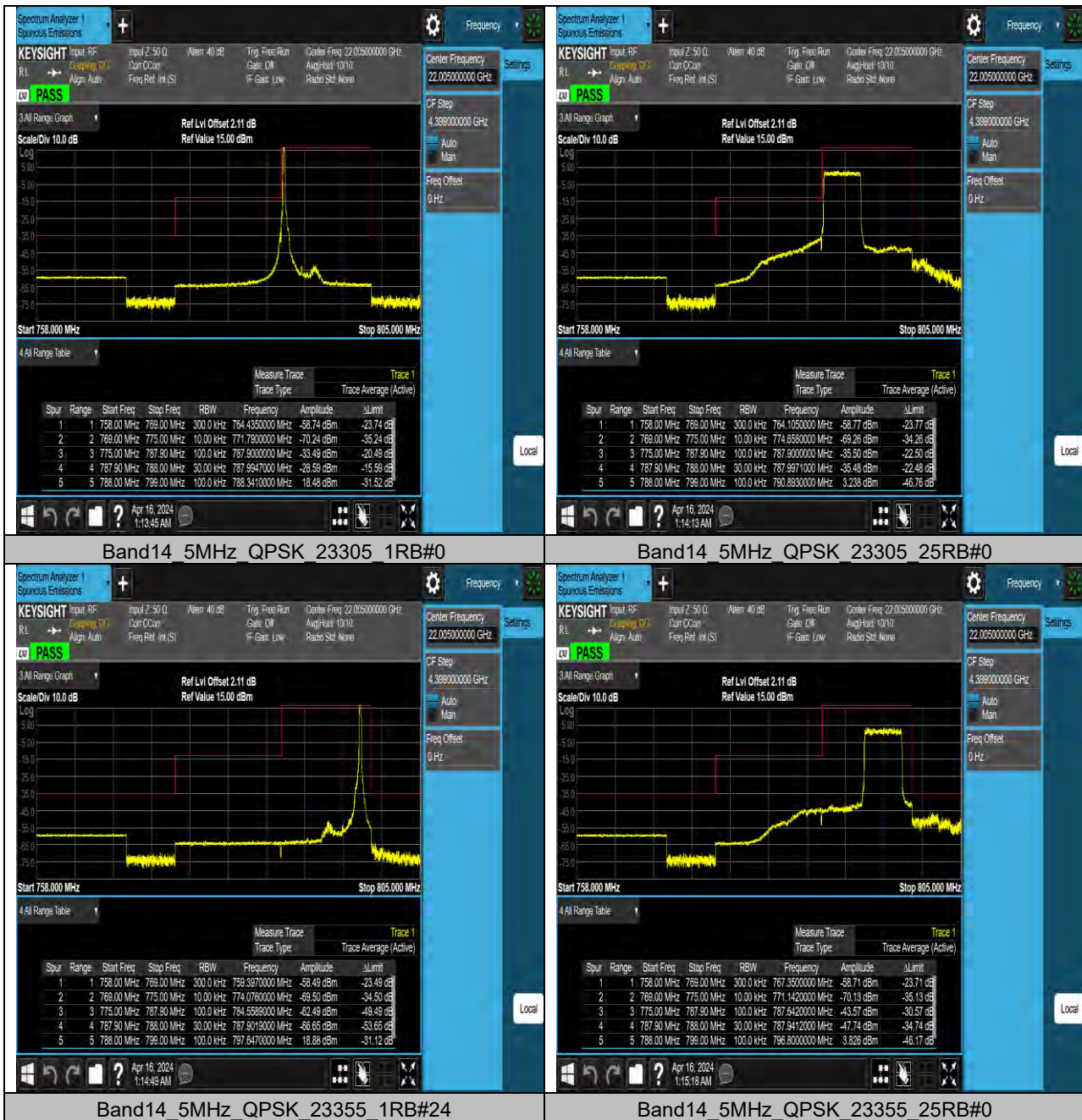
Reference No.: W7L-P24030018RF09



BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	-28.59	PASS
Band14	5MHz	QPSK	23305	25RB#0	-48.06	PASS
Band14	5MHz	QPSK	23355	1RB#24	-58.49	PASS
Band14	5MHz	QPSK	23355	25RB#0	-45.22	PASS
Band14	5MHz	16QAM	23305	1RB#0	-29.17	PASS
Band14	5MHz	16QAM	23305	25RB#0	-48.56	PASS
Band14	5MHz	16QAM	23355	1RB#24	-58.70	PASS
Band14	5MHz	16QAM	23355	25RB#0	-46.43	PASS
Band14	10MHz	QPSK	23330	1RB#0	-58.75	PASS
Band14	10MHz	QPSK	23330	1RB#49	-58.72	PASS
Band14	10MHz	QPSK	23330	50RB#0	-45.75	PASS
Band14	10MHz	16QAM	23330	1RB#0	-58.58	PASS
Band14	10MHz	16QAM	23330	1RB#49	-58.61	PASS
Band14	10MHz	16QAM	23330	50RB#0	-44.15	PASS

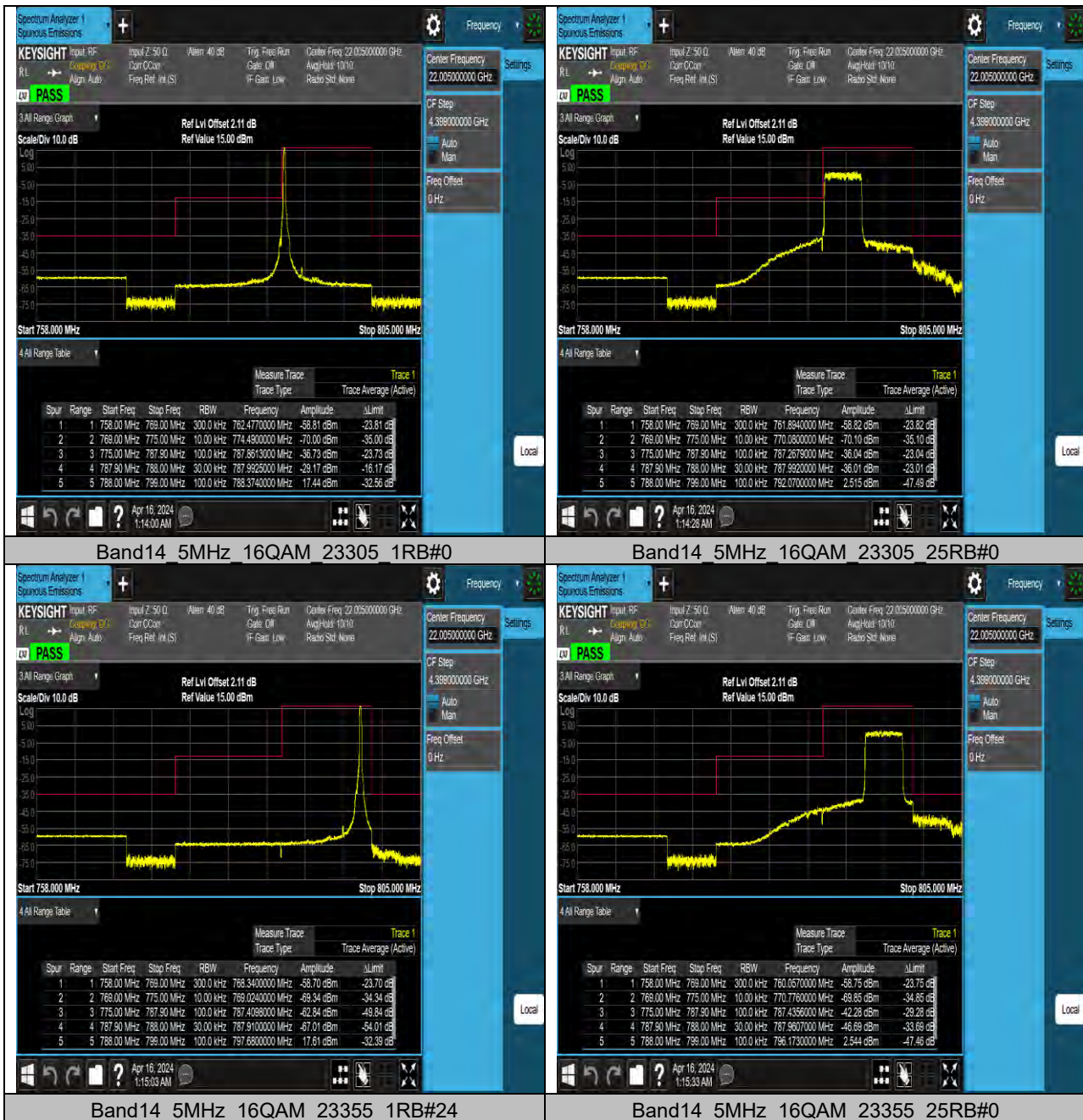
TEST GRAPHS





BUREAU
VERITAS

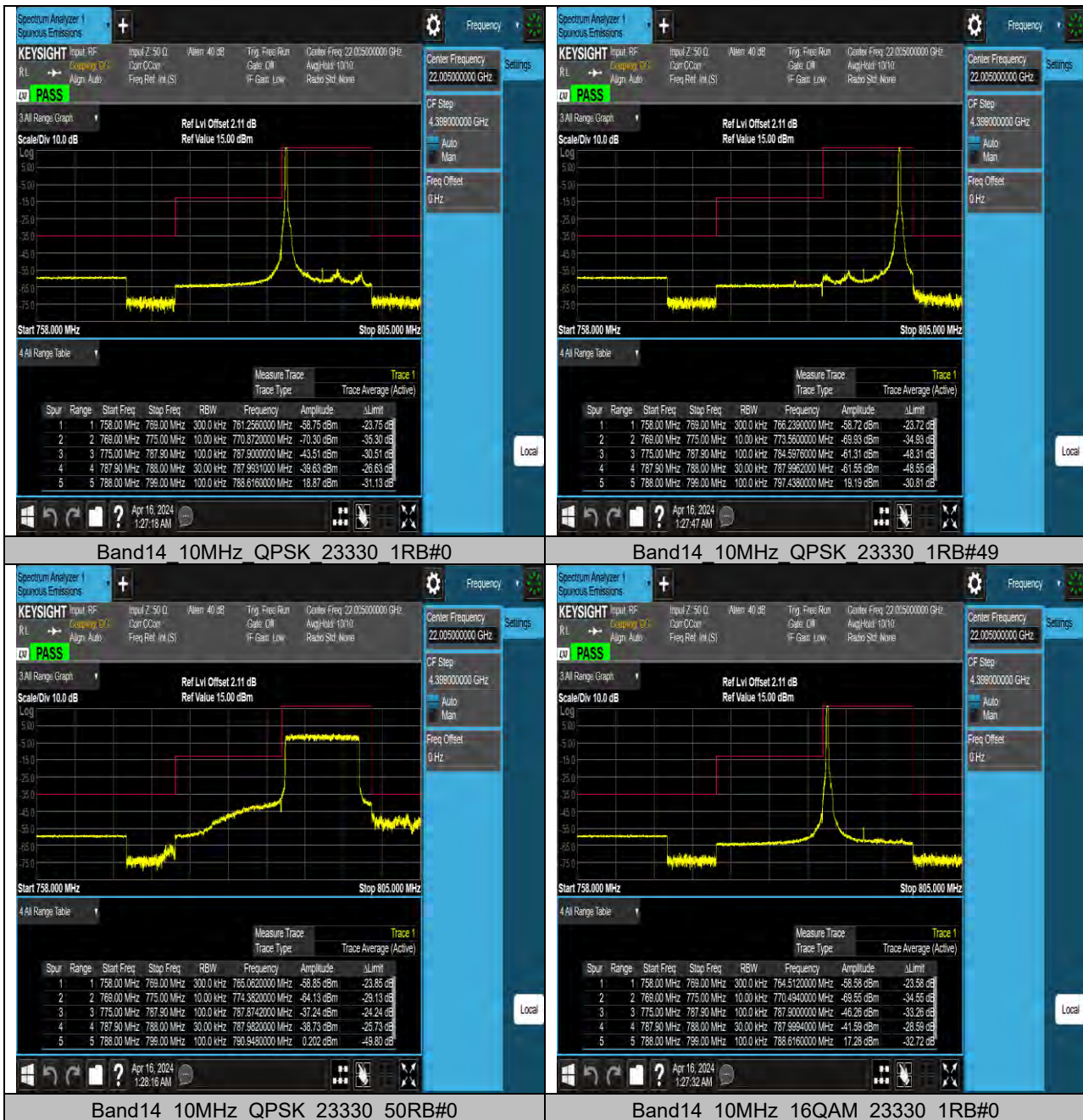
Reference No.: W7L-P24030018RF09





BUREAU
VERITAS

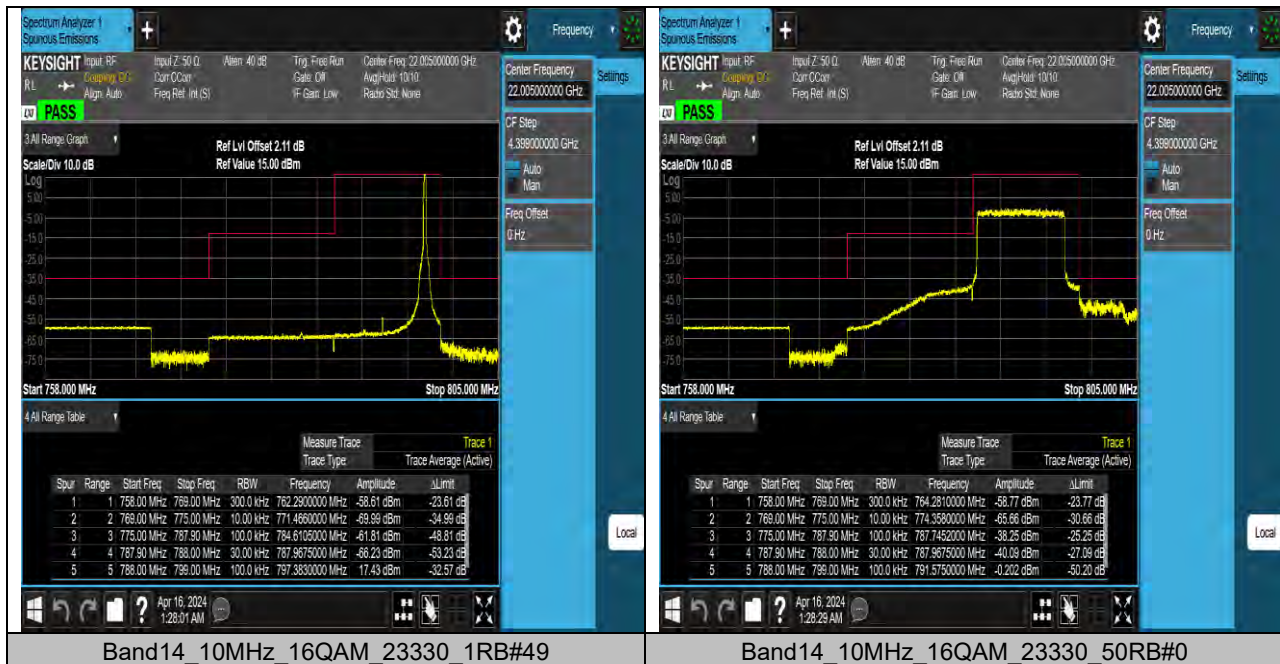
Reference No.: W7L-P24030018RF09





BUREAU
VERITAS

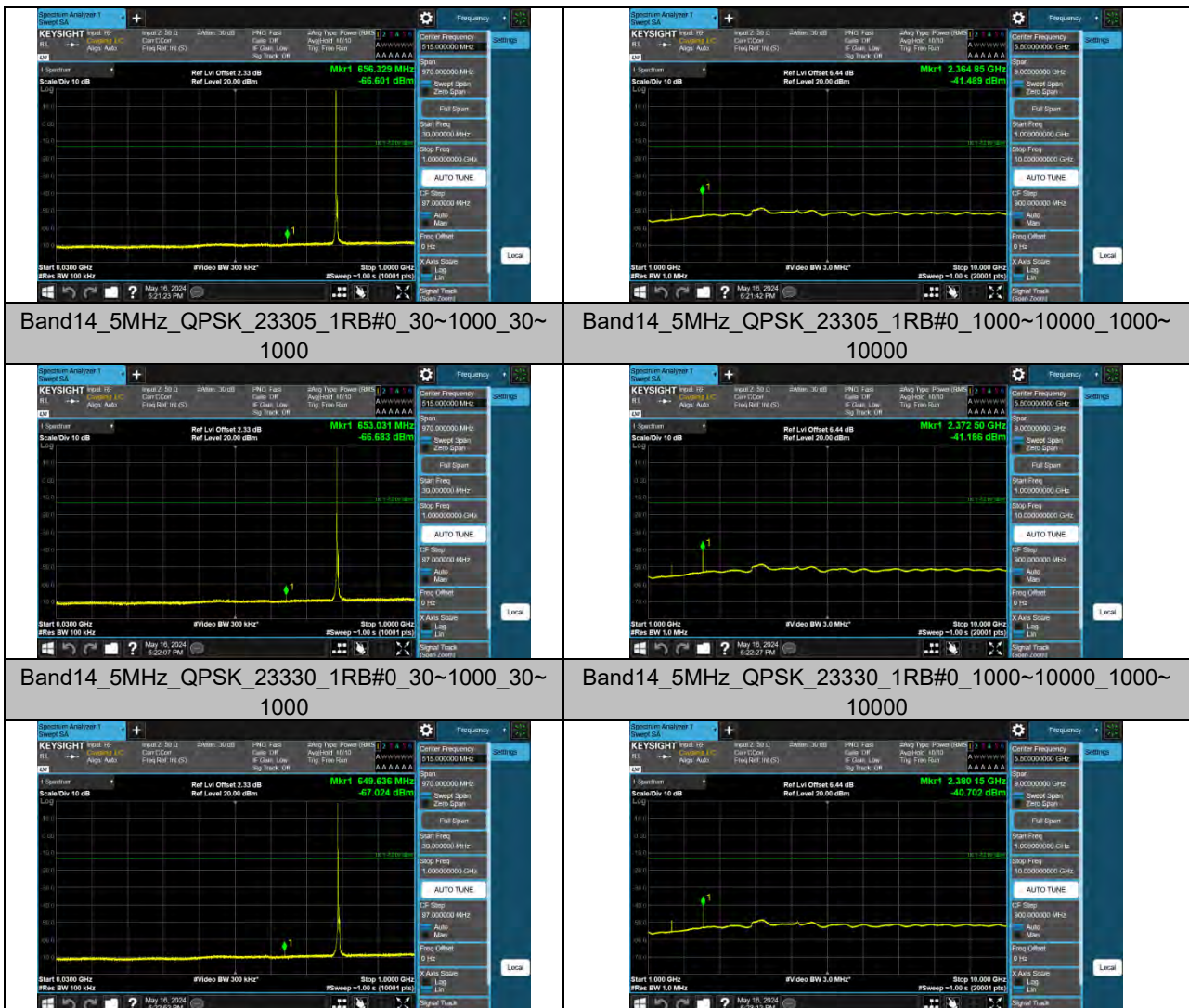
Reference No.: W7L-P24030018RF09



CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	30~1000	-66.60	PASS
Band14	5MHz	QPSK	23305	1RB#0	1000~10000	-41.49	PASS
Band14	5MHz	QPSK	23330	1RB#0	30~1000	-66.68	PASS
Band14	5MHz	QPSK	23330	1RB#0	1000~10000	-41.19	PASS
Band14	5MHz	QPSK	23355	1RB#0	30~1000	-67.02	PASS
Band14	5MHz	QPSK	23355	1RB#0	1000~10000	-40.70	PASS
Band14	10MHz	QPSK	23330	1RB#0	30~1000	-67.16	PASS
Band14	10MHz	QPSK	23330	1RB#0	1000~10000	-41.01	PASS

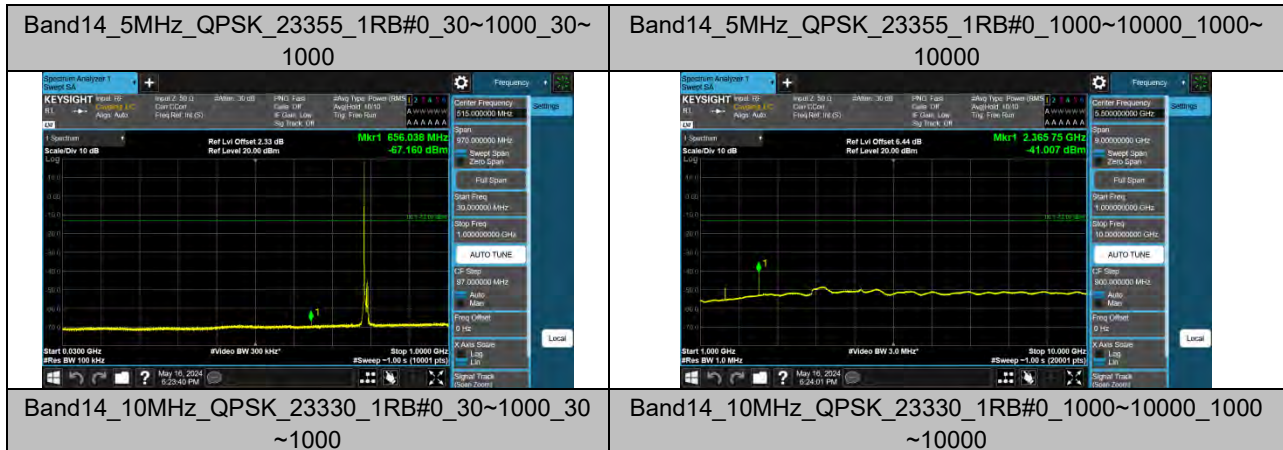
TEST GRAPHS





BUREAU
VERITAS

Reference No.: W7L-P24030018RF09



FREQUENCY STABILITY TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 4	5MHz	QPSK	23305	25RB #0	VN	NT	903.45	1.14	788.25656	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	VL	NT	725.57	0.92	788.25328	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	VH	NT	690.75	0.87	788.25588	--	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	VN	NT	865.67	1.09	--	797.73595	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	VL	NT	740.91	0.93	--	797.7342	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	VH	NT	733.57	0.92	--	797.73623	788-798	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 4	5MHz	QPSK	23305	25RB #0	NV	-30	934.45	1.18	788.25489	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	-20	854.38	1.08	788.25555	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	-10	704.37	0.89	788.25508	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	0	538.26	0.68	788.25469	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	10	415.59	0.53	788.2577	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	20	413.53	0.52	788.25623	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	30	404.40	0.51	788.25478	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	40	343.88	0.44	788.25709	--	788-798	PASS
Band1 4	5MHz	QPSK	23305	25RB #0	NV	50	347.82	0.44	788.25831	--	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	-30	996.77	1.25	--	797.73421	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	-20	945.50	1.19	--	797.73592	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	-10	916.36	1.15	--	797.73727	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	0	930.35	1.17	--	797.73476	788-798	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	10	953.4	1.20	--	797.7	788-798	PASS



BUREAU
VERITAS

Reference No.: W7L-P24030018RF09

4				#0			7			364	98	
Band1 4	5MHz	QPSK	23355	25RB #0	NV	20	725.7 0	0.91	--	797.7 3442	788-7 98	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	30	688.4 7	0.87	--	797.7 3736	788-7 98	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	40	528.3 4	0.66	--	797.7 3479	788-7 98	PASS
Band1 4	5MHz	QPSK	23355	25RB #0	NV	50	331.7 6	0.42	--	797.7 3624	788-7 98	PASS



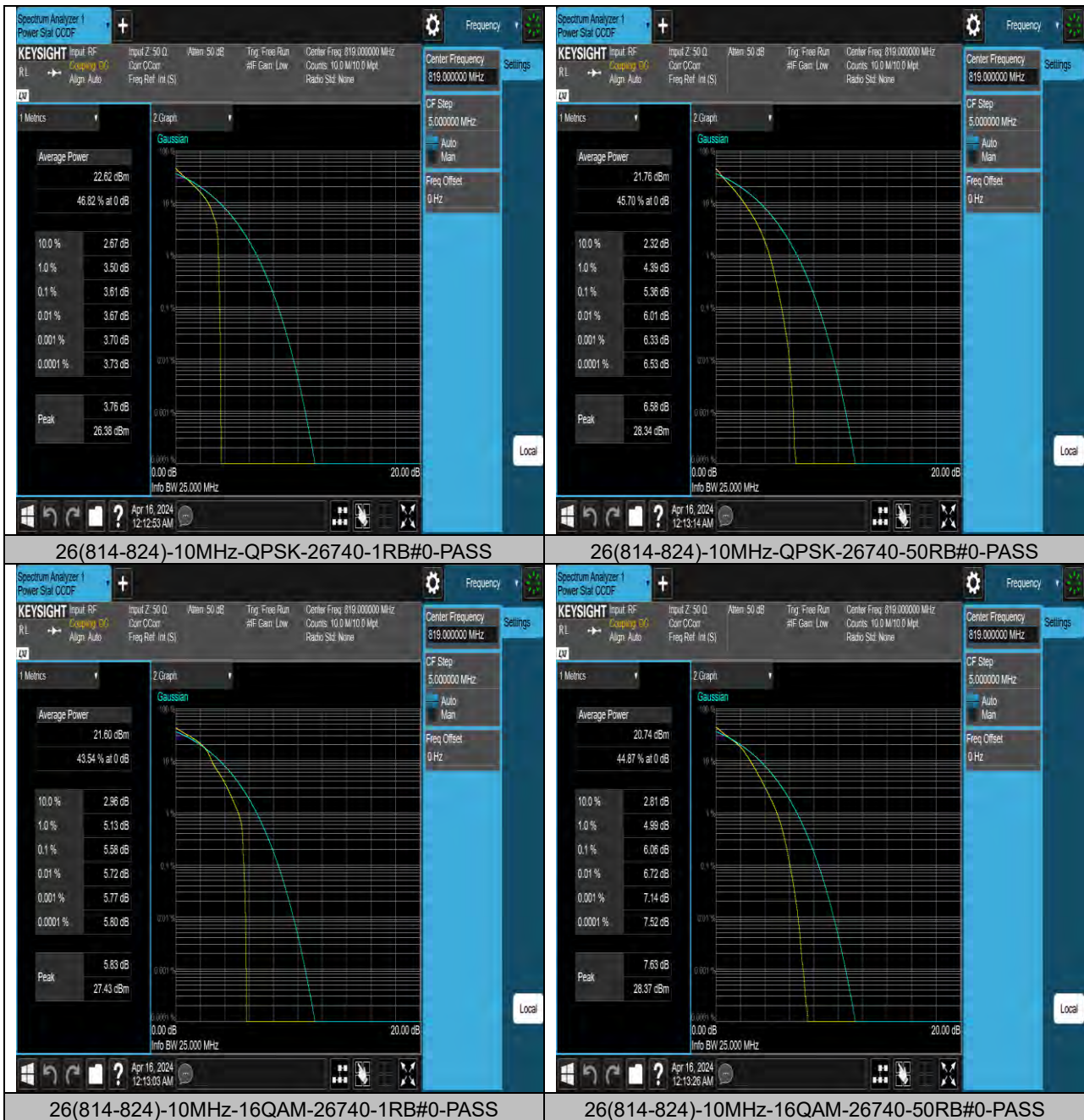
Reference No.: W7L-P24030018RF09

LTE BAND 26Q

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	3.61	13	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	5.36	13	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	5.58	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	6.06	13	PASS

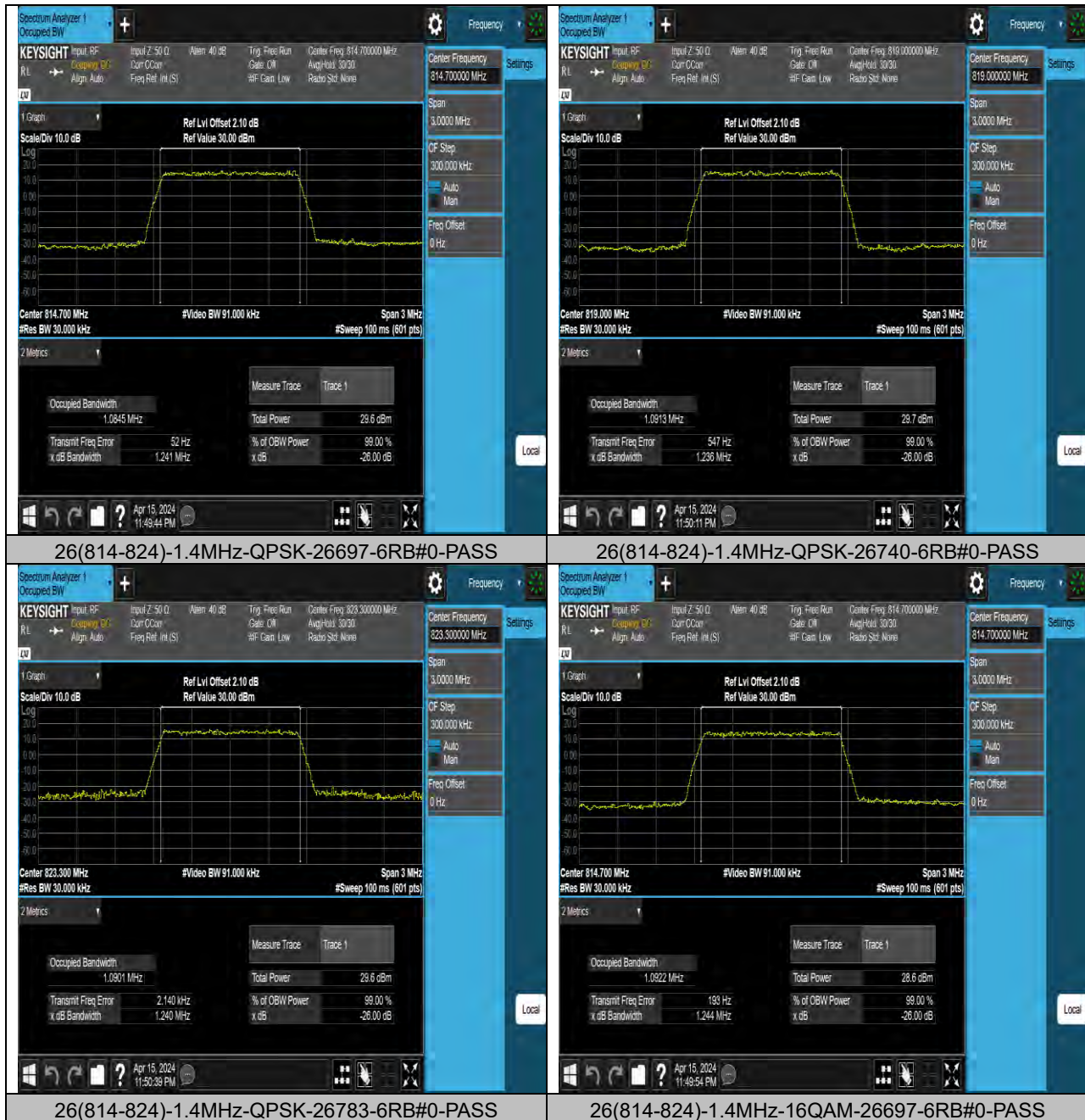
TEST GRAPHS



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	1.0845	1.241	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0913	1.236	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0901	1.240	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0922	1.244	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0928	1.241	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0916	1.244	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.7010	3.000	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.6962	2.997	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.7016	3.000	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.6932	2.977	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.6950	3.003	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6999	3.014	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.5404	5.010	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.4941	4.988	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.5059	4.947	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.5059	4.986	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.4973	4.979	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.4972	4.960	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.9802	9.917	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	8.9452	9.799	PASS

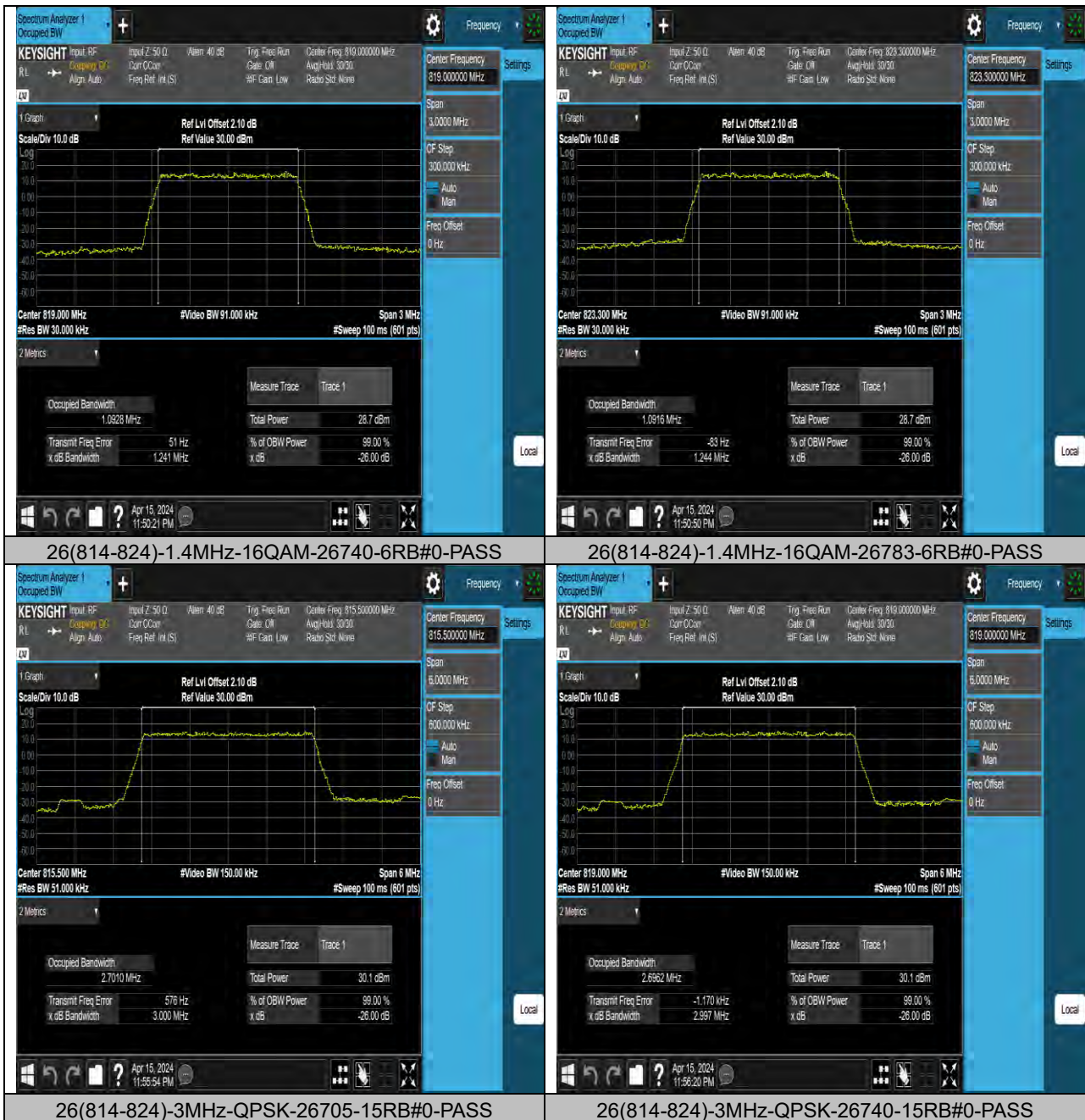
TEST GRAPHS





BUREAU
VERITAS

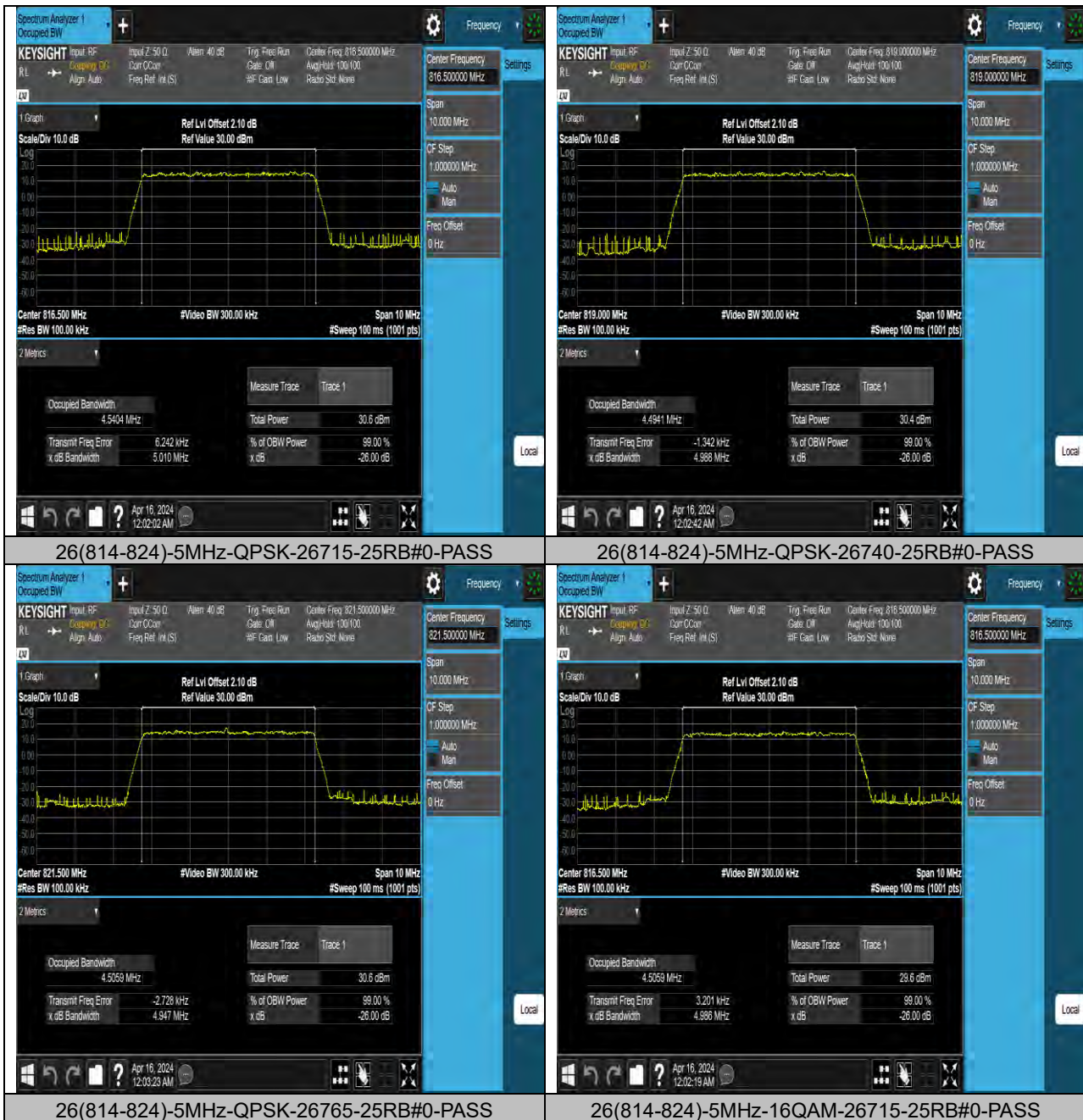
Reference No.: W7L-P24030018RF09





BUREAU
VERITAS

Reference No.: W7L-P24030018RF09





BUREAU
VERITAS

Reference No.: W7L-P24030018RF09



BAND EDGE TEST RESULT

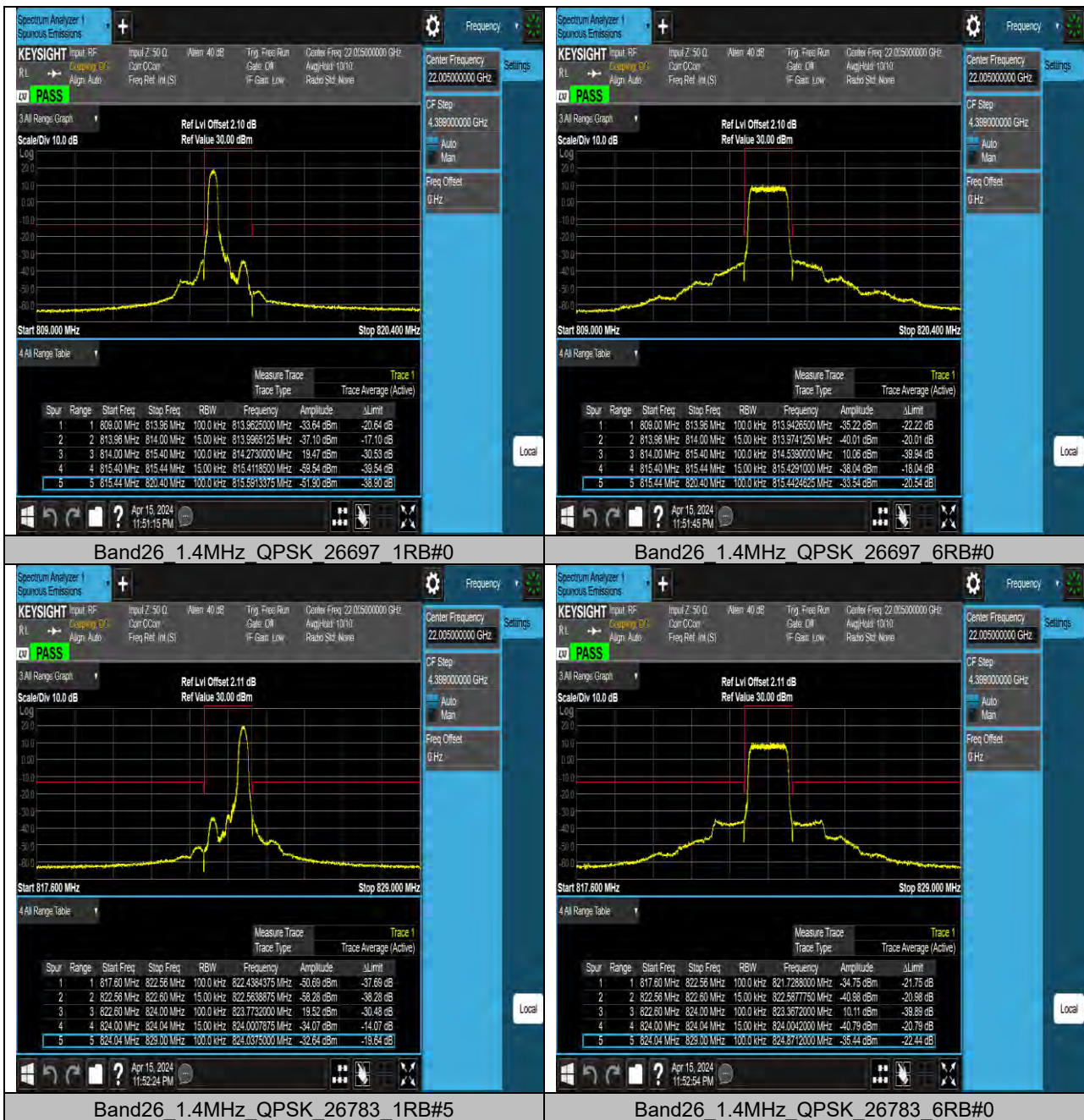
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	-33.64	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	-38.04	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	-32.64	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	-40.79	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	-37.87	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	-39.46	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	-34.87	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	-39.54	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	-23.00	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	-31.05	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	-21.93	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	-31.65	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	-25.53	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	-31.51	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	-23.53	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	-32.72	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	-28.23	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	-35.72	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	-27.81	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	-36.19	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	-30.77	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	-37.35	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	-31.35	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	-36.73	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	-39.15	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	-39.89	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	-38.57	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	-41.35	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	-40.58	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	-38.89	PASS



BUREAU
VERITAS

Reference No.: W7L-P24030018RF09

TEST GRAPHS





BUREAU
VERITAS

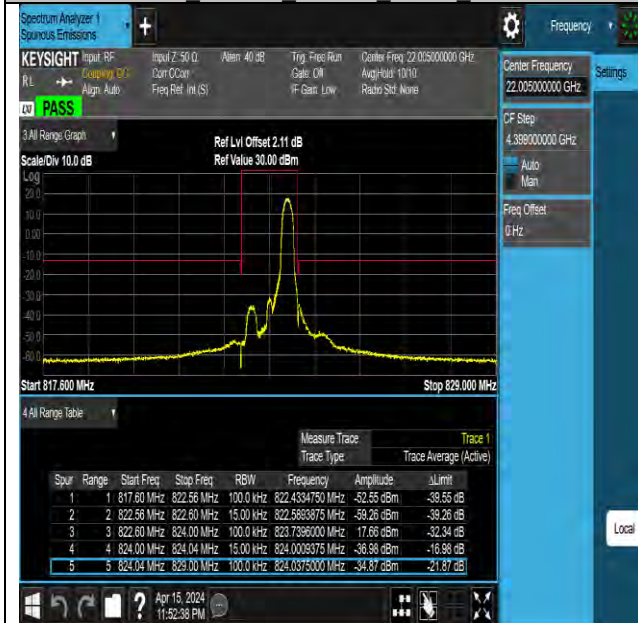
Reference No.: W7L-P24030018RF09



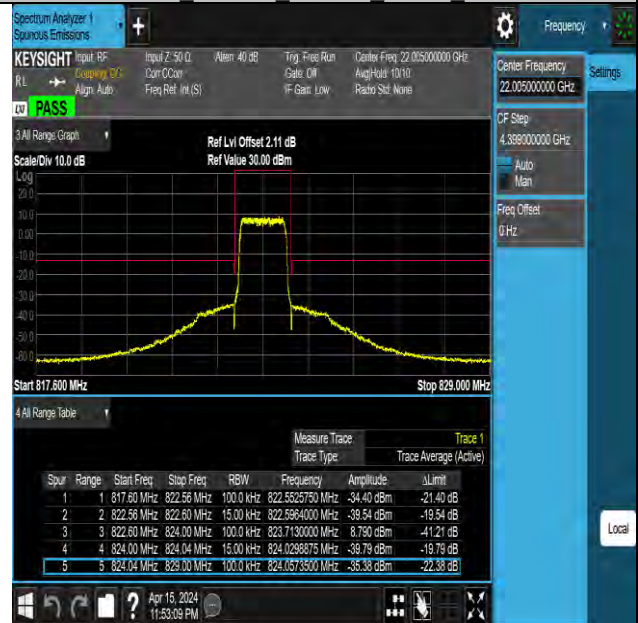
Band26 1.4MHz 16QAM 26697 1RB#0



Band26 1.4MHz 16QAM 26697 6RB#0



Band26 1.4MHz 16QAM 26783 1RB#5

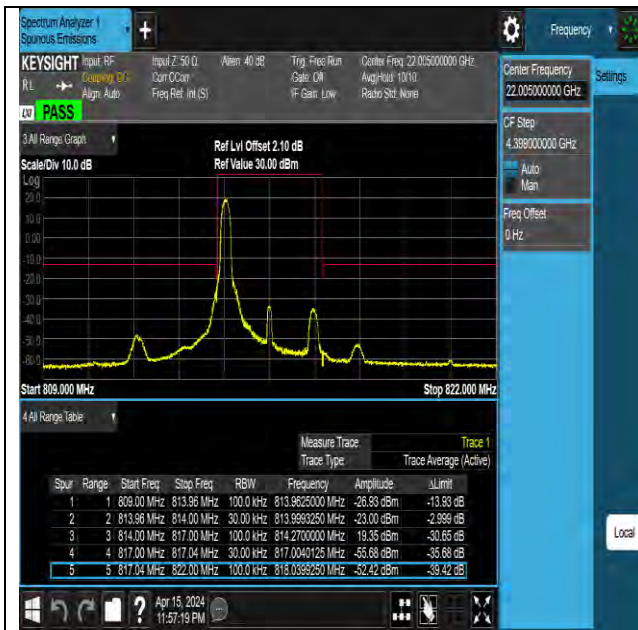


Band26 1.4MHz 16QAM 26783 6RB#0



BUREAU
VERITAS

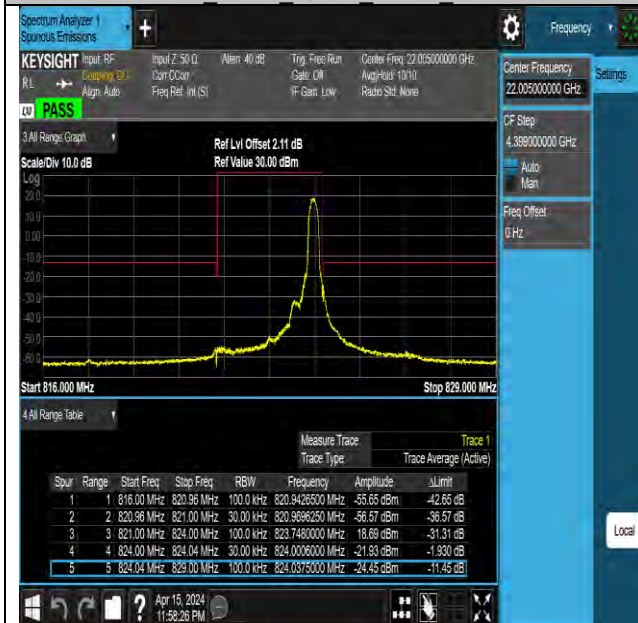
Reference No.: W7L-P24030018RF09



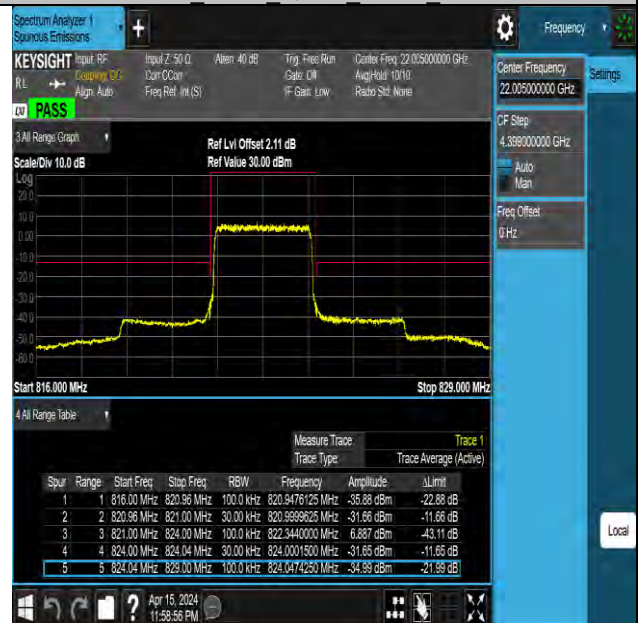
Band26 3MHz QPSK 26705 1RB#0



Band26 3MHz QPSK 26705 15RB#0



Band26 3MHz QPSK 26775 1RB#14

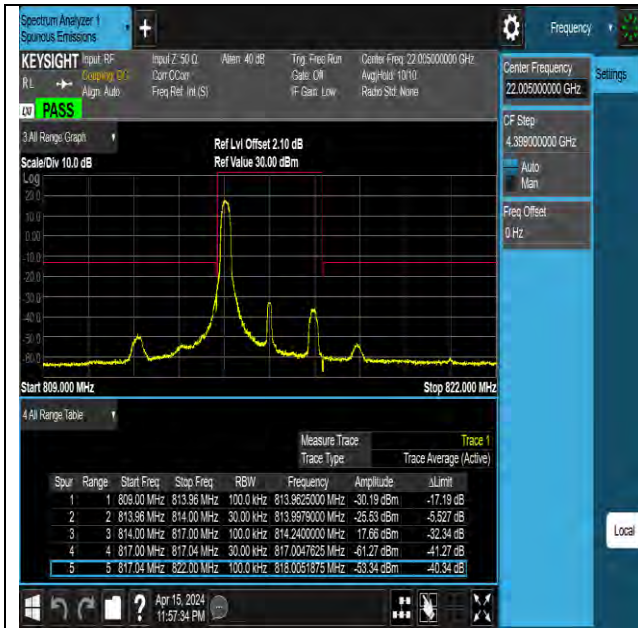


Band26 3MHz QPSK 26775 15RB#0

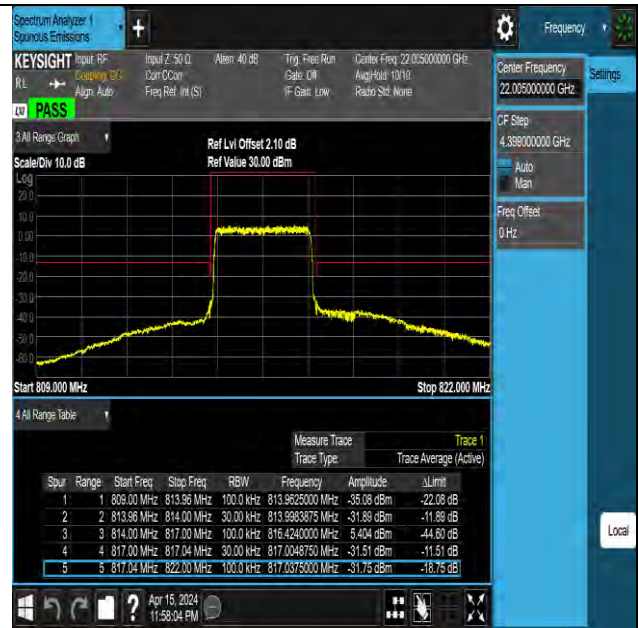


BUREAU
VERITAS

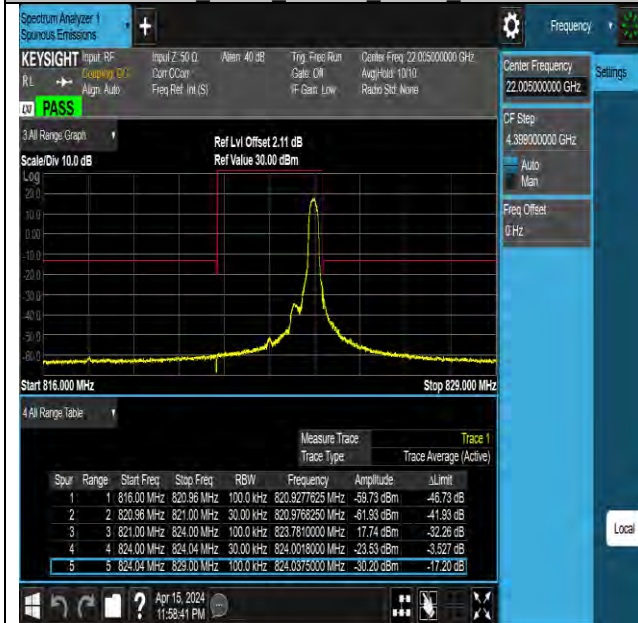
Reference No.: W7L-P24030018RF09



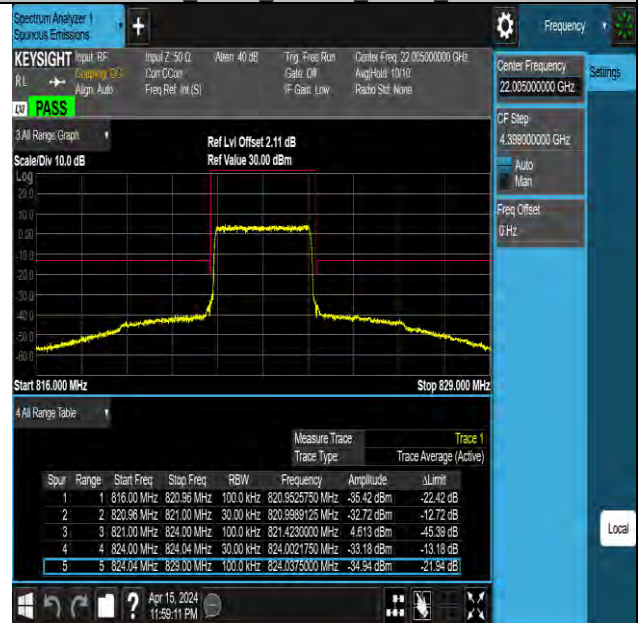
Band26 3MHz 16QAM 26705 1RB#0



Band26 3MHz 16QAM 26705 15RB#0



Band26 3MHz 16QAM 26775 1RB#14

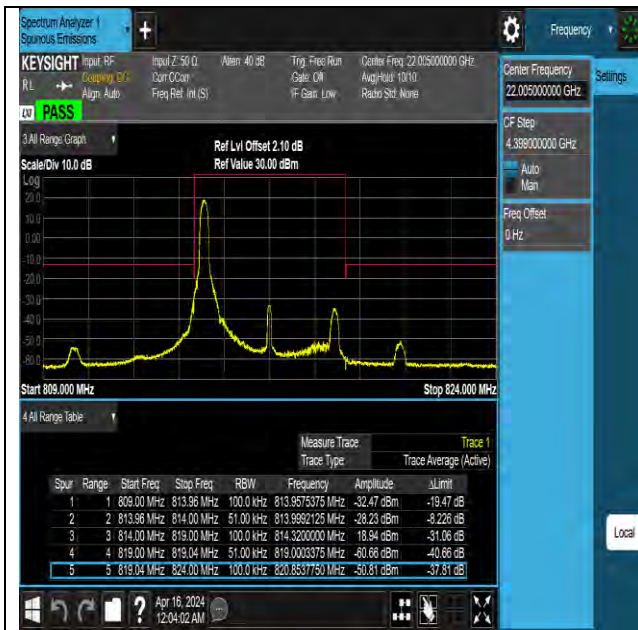


Band26 3MHz 16QAM 26775 15RB#0

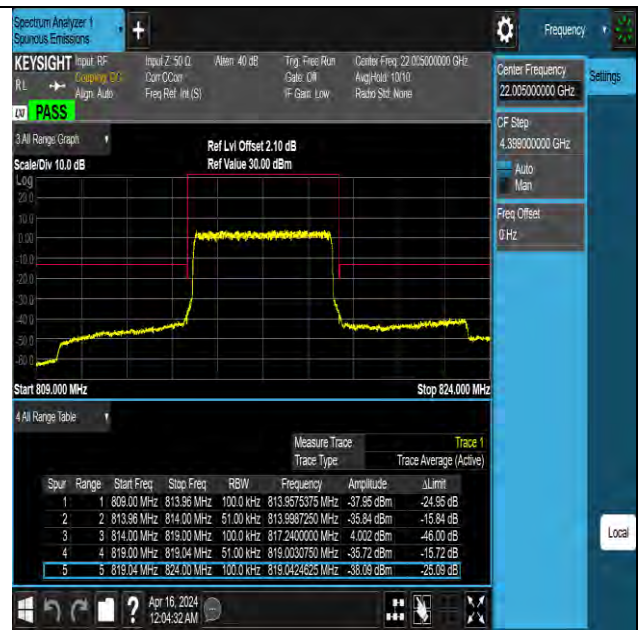


BUREAU
VERITAS

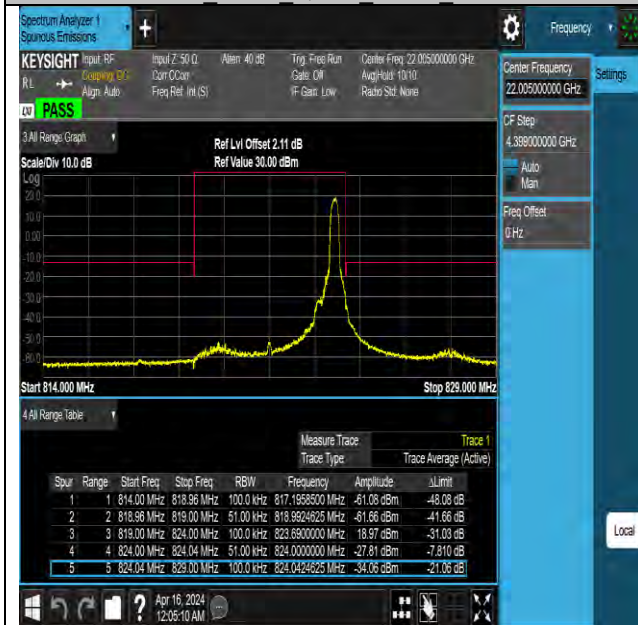
Reference No.: W7L-P24030018RF09



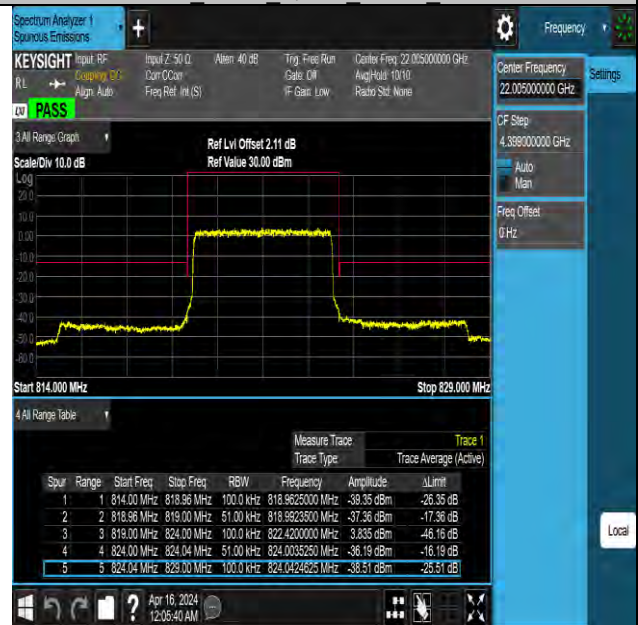
Band26 5MHz QPSK 26715 1RB#0



Band26 5MHz QPSK 26715 25RB#0



Band26 5MHz QPSK 26765 1RB#24

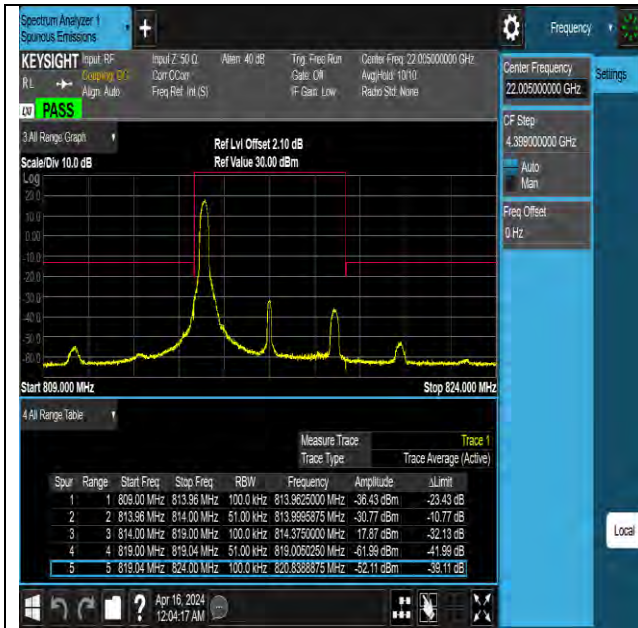


Band26 5MHz QPSK 26765 25RB#0

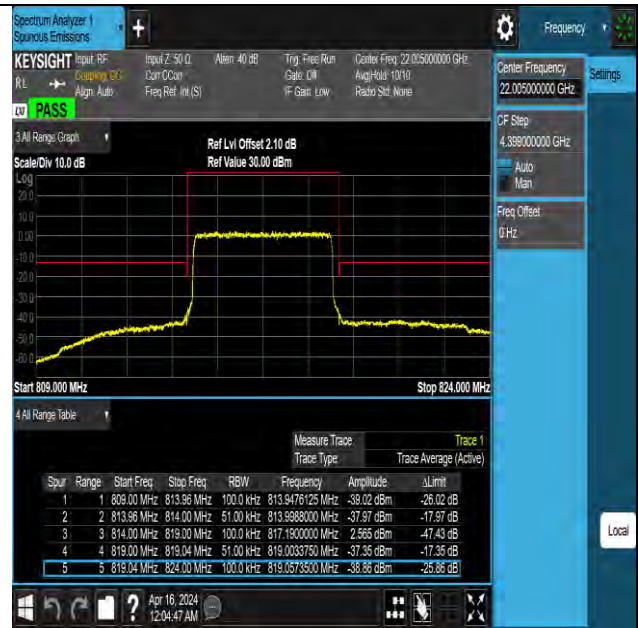


BUREAU
VERITAS

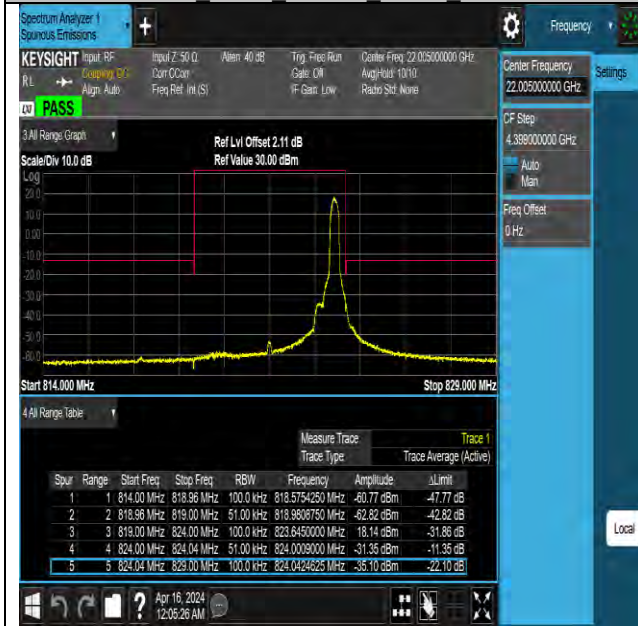
Reference No.: W7L-P24030018RF09



Band26 5MHz 16QAM 26715 1RB#0



Band26 5MHz 16QAM 26715 25RB#0



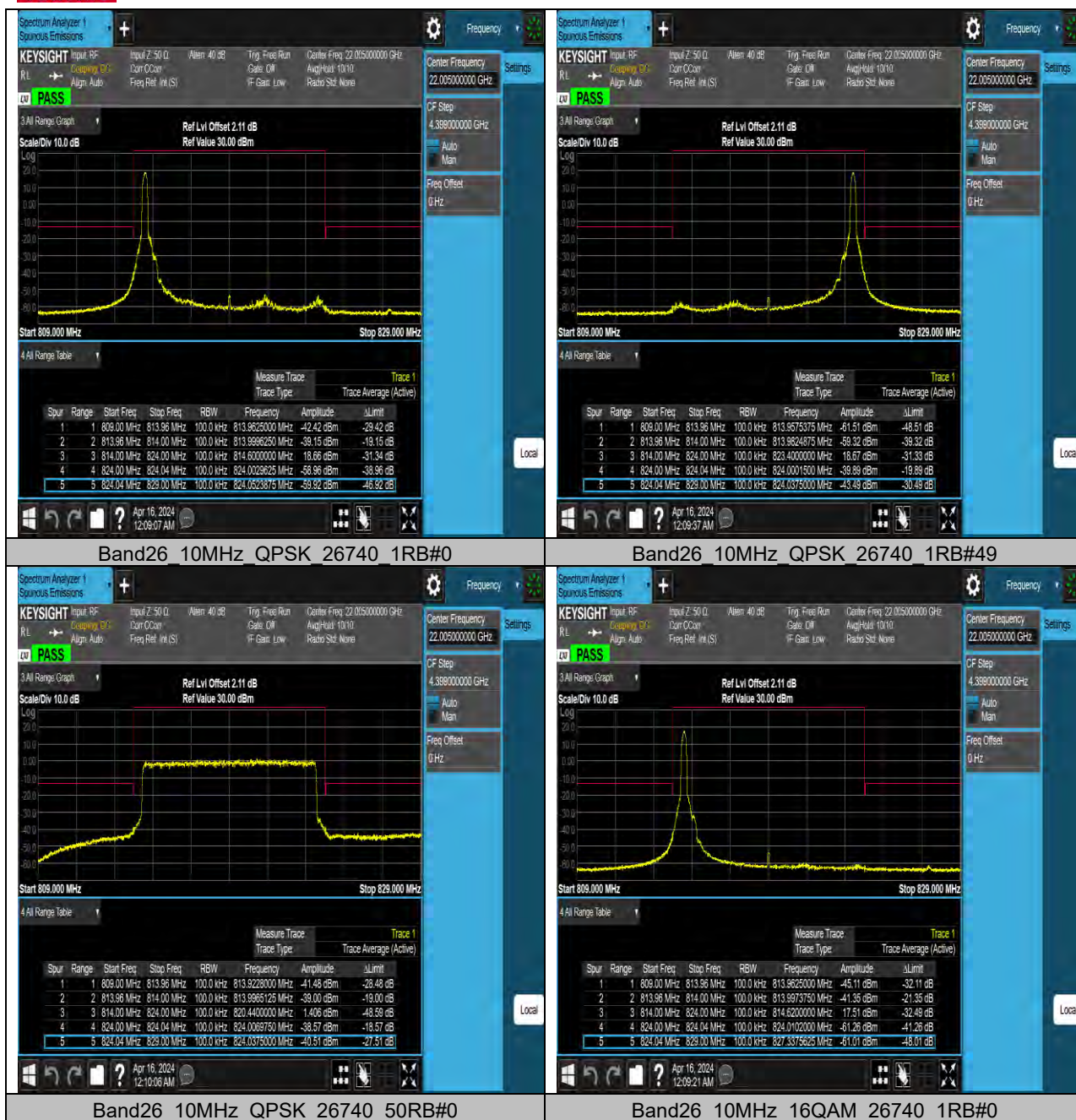
Band26 5MHz 16QAM 26765 1RB#24



Band26 5MHz 16QAM 26765 25RB#0



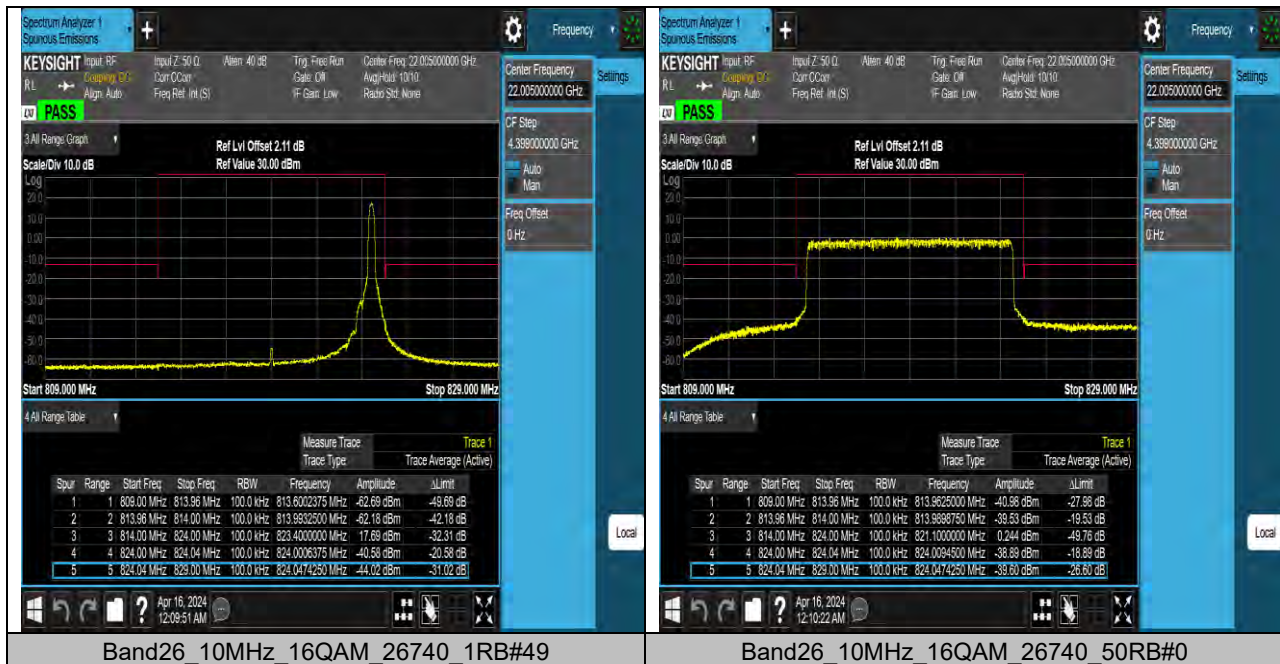
Reference No.: W7L-P24030018RF09





BUREAU
VERITAS

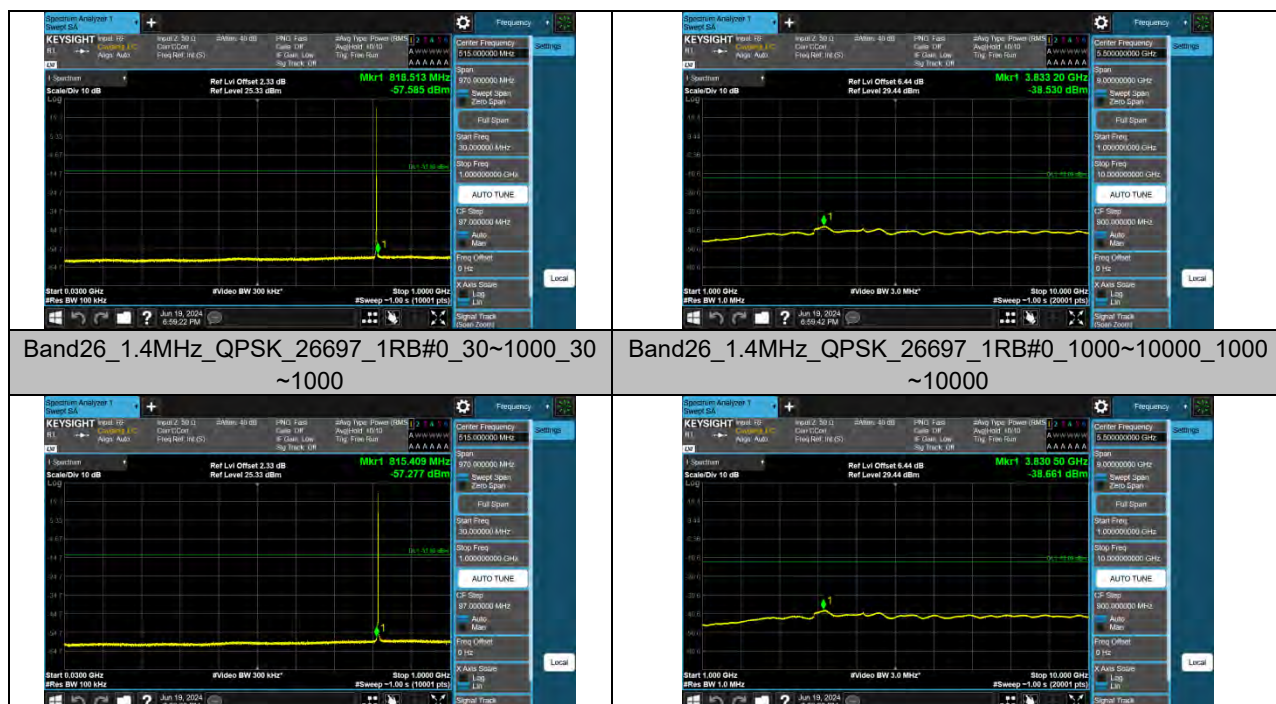
Reference No.: W7L-P24030018RF09



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	-57.59	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#0	1000~10000	-38.53	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	30~1000	-57.28	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	1000~10000	-38.66	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	30~1000	-57.11	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	1000~10000	-38.66	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	30~1000	-57.86	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	1000~10000	-38.66	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	30~1000	-58.28	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	1000~10000	-38.47	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	30~1000	-58.28	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	1000~10000	-38.59	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	30~1000	-58.40	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	1000~10000	-38.58	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	30~1000	-58.22	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	1000~10000	-38.60	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	30~1000	-58.19	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	1000~10000	-38.64	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	30~1000	-58.31	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	1000~10000	-38.55	PASS

TEST GRAPHS



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





FREQUENCY STABILITY TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
26(814-824)	5MHz	QPSK	26715	25RB #0	VN	NT	964.58	1.18	814.25881	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	VL	NT	942.13	1.15	814.25816	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	VH	NT	928.13	1.14	814.25821	--	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	VN	NT	962.66	1.17	--	823.73295	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	VL	NT	861.62	1.05	--	823.73145	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	VH	NT	644.36	0.78	--	823.73234	814-824	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	-30	905.39	1.11	814.25775	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	-20	898.04	1.10	814.25717	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	-10	721.92	0.88	814.2612	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	0	627.18	0.77	814.26015	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	10	461.37	0.57	814.25736	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	20	428.55	0.52	814.25783	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	30	343.50	0.42	814.25931	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	40	242.99	0.30	814.26033	--	814-824	PASS
26(814-824)	5MHz	QPSK	26715	25RB #0	NV	50	120.19	0.15	814.2597	--	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	-30	904.99	1.10	--	823.73222	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	-20	761.86	0.93	--	823.73228	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	-10	788.63	0.96	--	823.73467	814-824	PASS
26(814-824)	5MHz	QPSK	26765	25RB #0	NV	0	565.35	0.69	--	823.73219	814-824	PASS



BUREAU
VERITAS

Reference No.: W7L-P24030018RF09

26(81 4-824)	5MHz	QPSK	26765	25RB #0	NV	10	514.5 1	0.63	--	823.7 3068	814-8 24	PASS
26(81 4-824)	5MHz	QPSK	26765	25RB #0	NV	20	529.5 3	0.64	--	823.7 3268	814-8 24	PASS
26(81 4-824)	5MHz	QPSK	26765	25RB #0	NV	30	272.0 4	0.33	--	823.7 3195	814-8 24	PASS
26(81 4-824)	5MHz	QPSK	26765	25RB #0	NV	40	152.2 8	0.19	--	823.7 3399	814-8 24	PASS
26(81 4-824)	5MHz	QPSK	26765	25RB #0	NV	50	-102.6 9	-0.13	--	823.7 3236	814-8 24	PASS

--END--