



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band7 20MHz QPSK 21100 1RB#0 30~1000 30~1000



Band7_20MHz_QPSK_21100_1RB#0_1000~27000_1000~27000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band7 20MHz QPSK 21350 1RB#0 30~1000 30~1000



Band7_20MHz_QPSK_21350_1RB#0_1000~27000_1000~27000



Reference No.: PSU-NQN2403180115RF07

FREQUENCY STABILITY TEST RESULT

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-11.10	-0.004431	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-6.88	-0.002747	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-13.83	-0.005521	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-8.88	-0.003503	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-6.98	-0.002753	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-8.28	-0.003266	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-5.62	-0.002191	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-8.31	-0.003240	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-5.41	-0.002109	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-6.45	-0.002575	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-11.22	-0.004479	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	-8.55	-0.003413	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-10.41	-0.004156	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-9.36	-0.003737	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-9.01	-0.003597	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	-6.55	-0.002615	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	-10.37	-0.004140	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	-5.51	-0.002200	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-6.98	-0.002753	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-5.56	-0.002193	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	-8.94	-0.003527	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-6.52	-0.002572	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-10.86	-0.004284	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-7.22	-0.002848	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	-11.84	-0.004671	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	-9.58	-0.003779	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	-6.45	-0.002544	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	4.08	0.001591	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-6.24	-0.002433	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	-10.16	-0.003961	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-4.69	-0.001828	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-10.90	-0.004250	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-9.01	-0.003513	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	-9.64	-0.003758	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	-6.32	-0.002464	±2.5	PASS



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Band7	10MHz	QPSK	21400	50RB#0	NV	50	-8.31	-0.003240	±2.5	PASS
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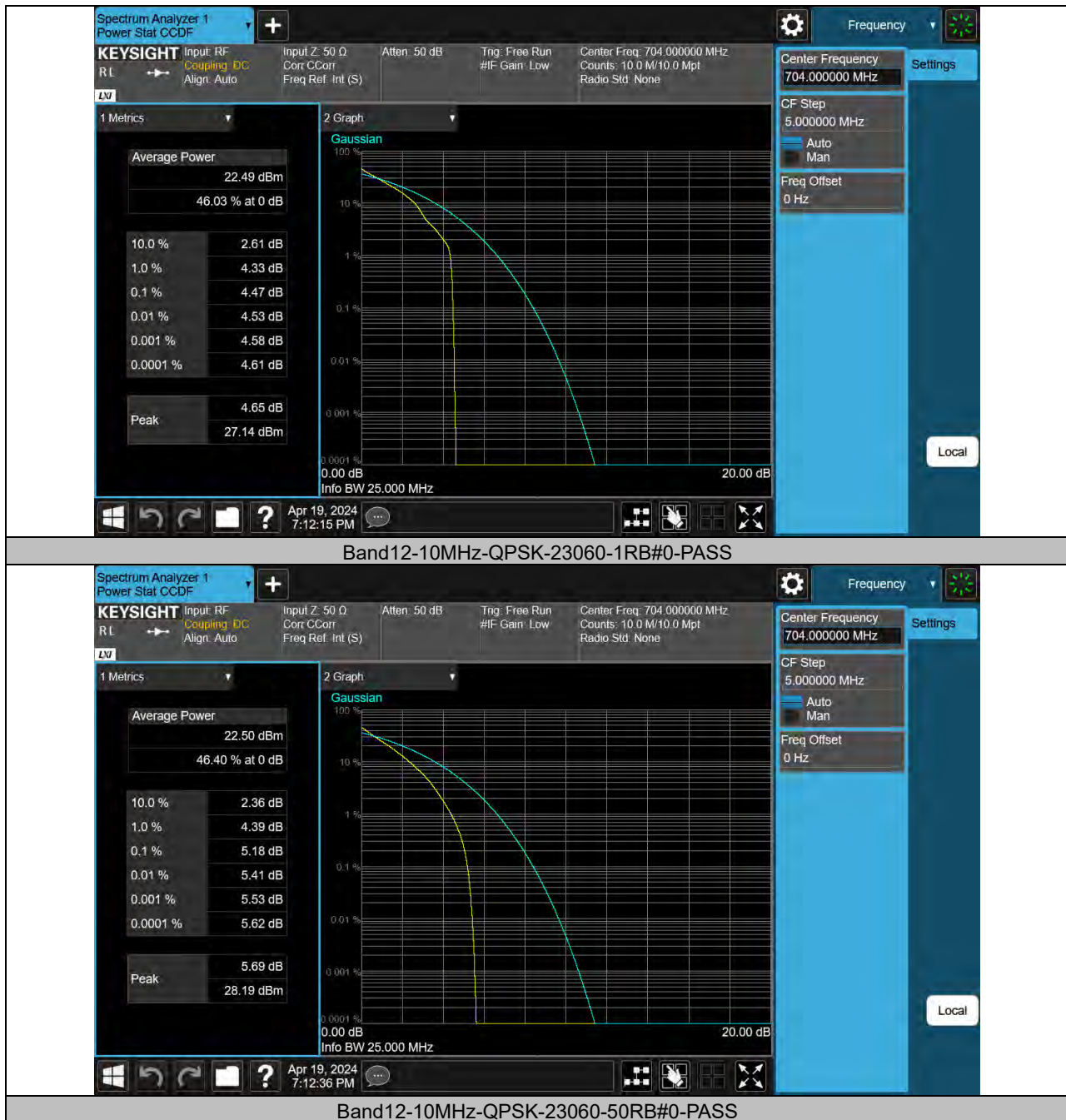
Reference No.: PSU-NQN2403180115RF07

LTE BAND12(INCLUDING B17)

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	4.47	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.18	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.42	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.12	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.33	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.06	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.87	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.18	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.79	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.99	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.76	13	PASS

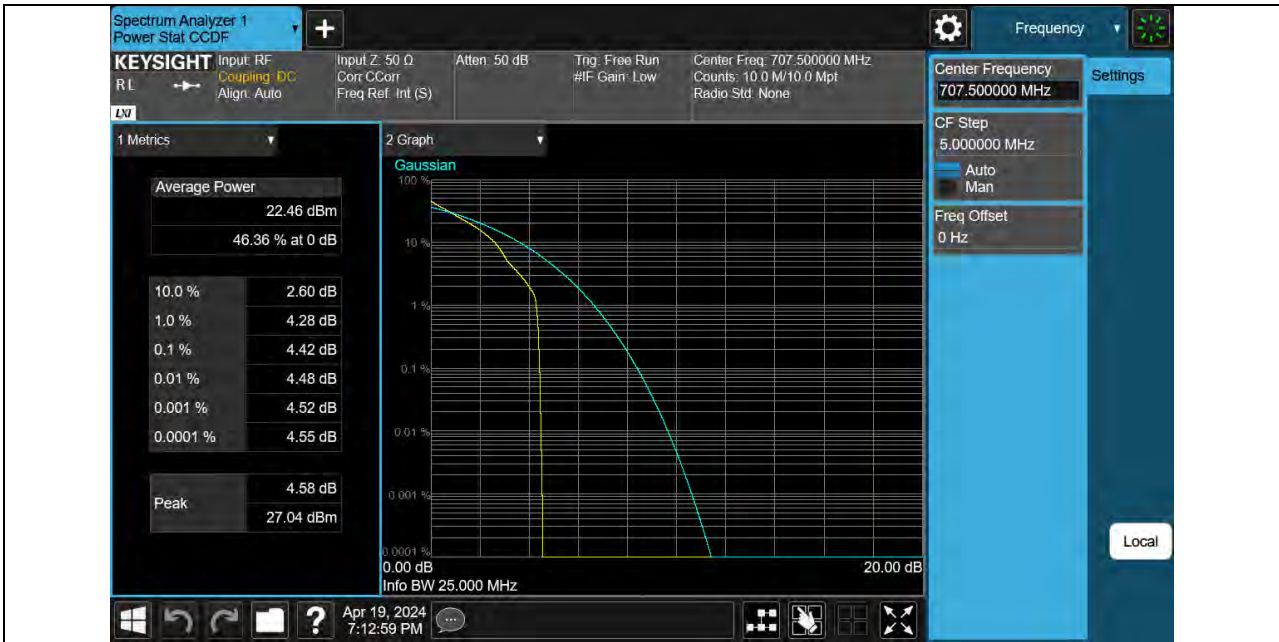
TEST GRAPHS



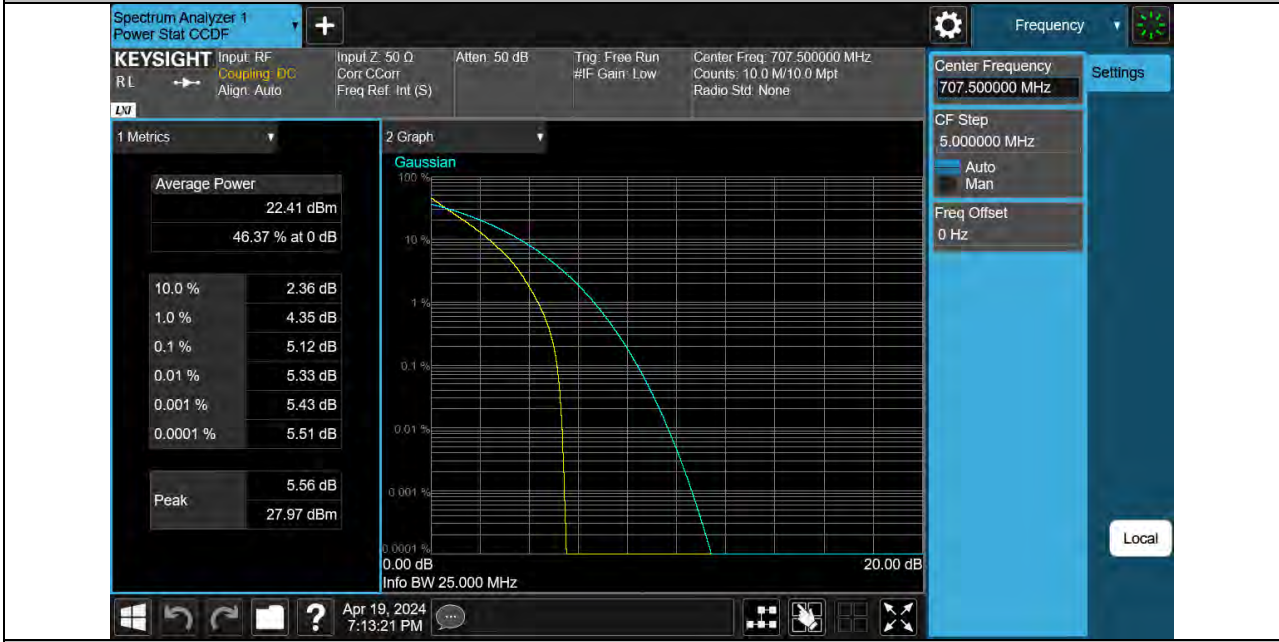


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-QPSK-23095-1RB#0-PASS

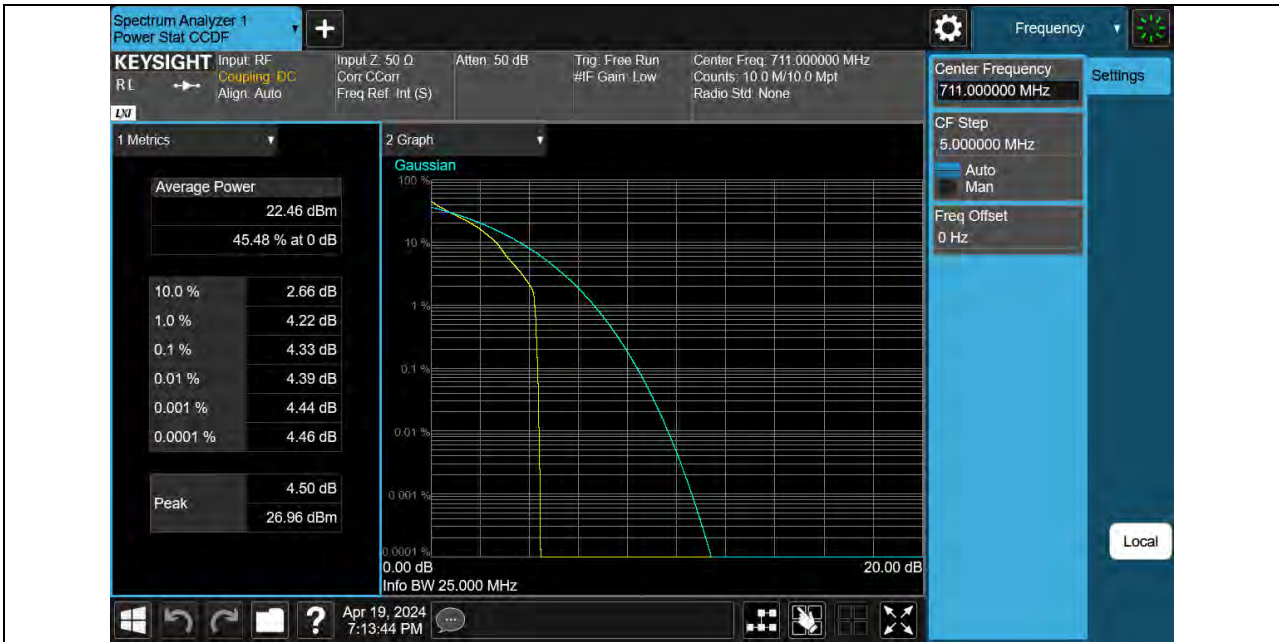


Band12-10MHz-QPSK-23095-50RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-QPSK-23130-1RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS

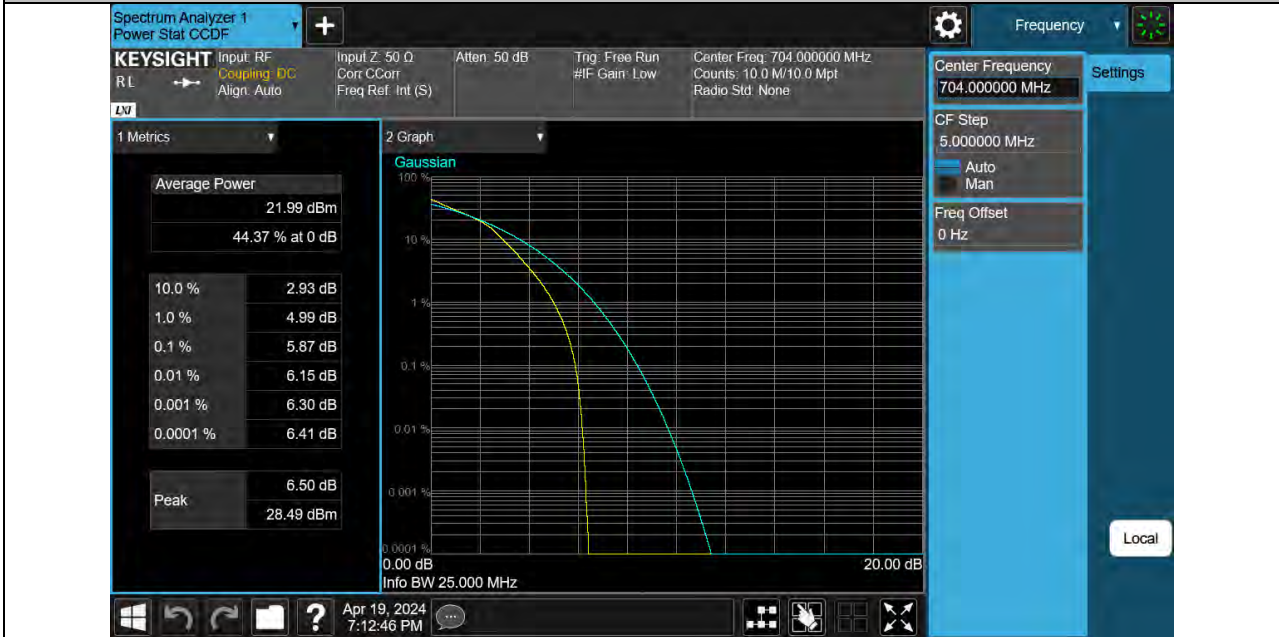


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-16QAM-23060-1RB#0-PASS

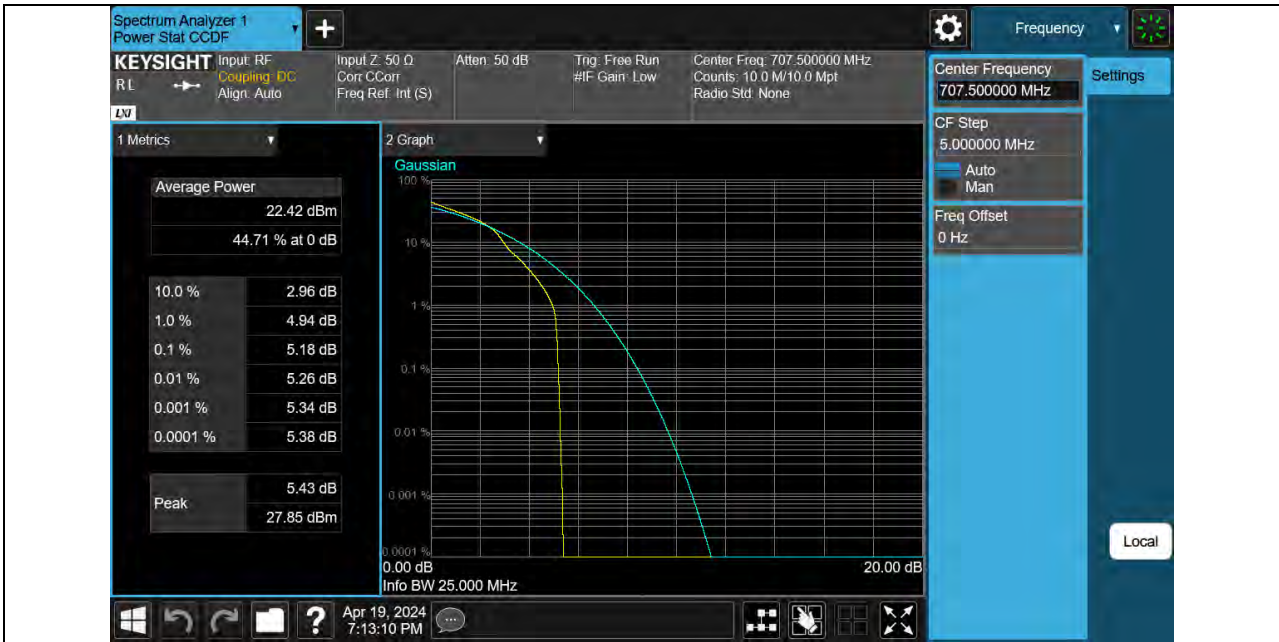


Band12-10MHz-16QAM-23060-50RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-16QAM-23095-1RB#0-PASS

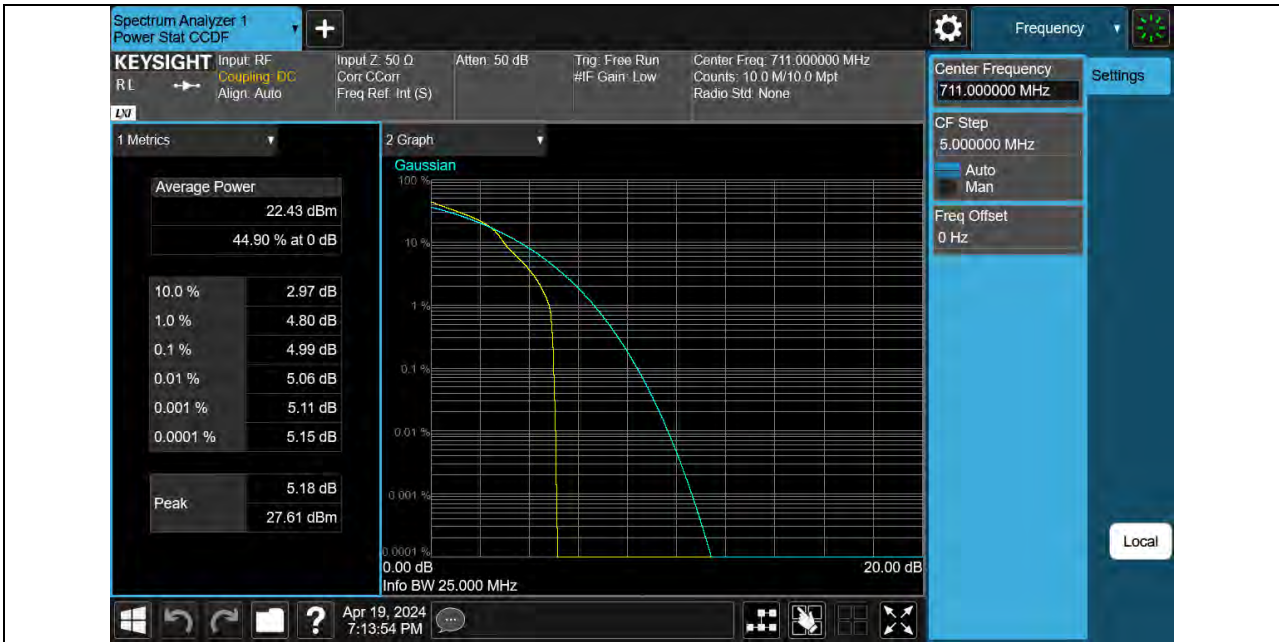


Band12-10MHz-16QAM-23095-50RB#0-PASS

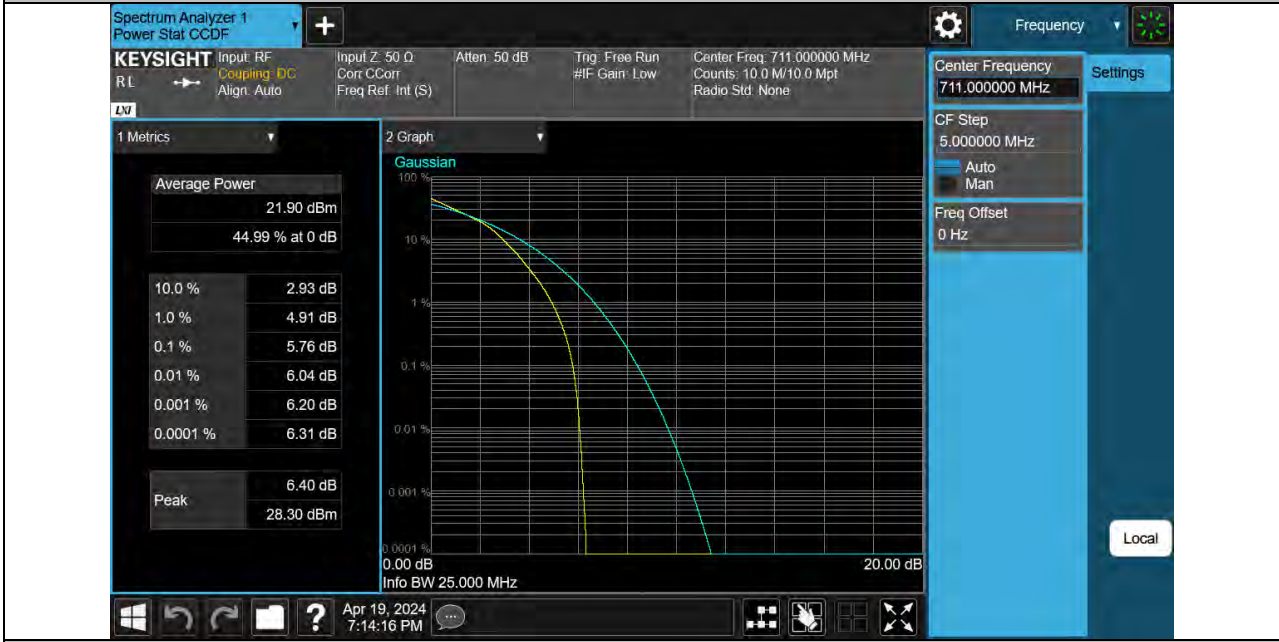


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-16QAM-23130-1RB#0-PASS



Band12-10MHz-16QAM-23130-50RB#0-PASS



Reference No.: PSU-NQN2403180115RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

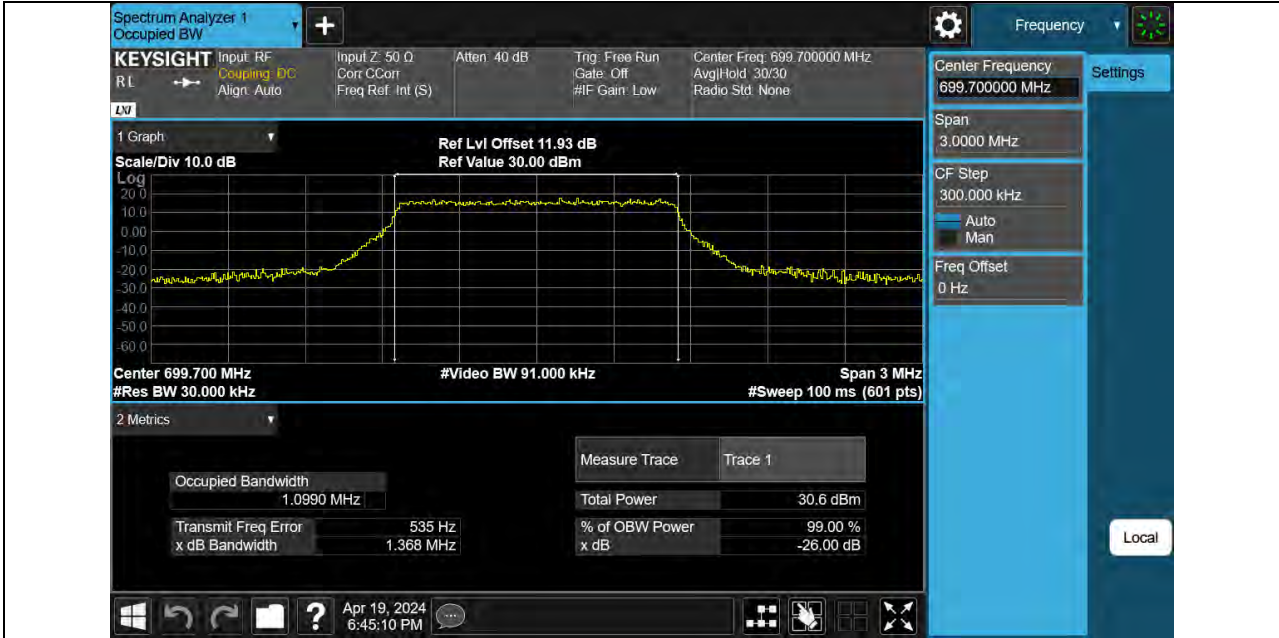
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0990	1.368	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.1022	1.373	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0999	1.375	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0997	1.347	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1060	1.359	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1008	1.378	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6986	3.060	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7040	3.056	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7020	3.053	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6994	3.040	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7027	3.046	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7030	3.035	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5248	5.213	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5194	5.147	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5193	5.117	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5210	5.124	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5308	5.154	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5232	5.145	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9559	9.998	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9888	10.03	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9775	10.03	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9860	10.01	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9956	9.995	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9838	9.991	PASS



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TEST GRAPHS



Band12-1.4MHz-QPSK-23017-6RB#0-PASS



Band12-1.4MHz-QPSK-23095-6RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-1.4MHz-QPSK-23173-6RB#0-PASS

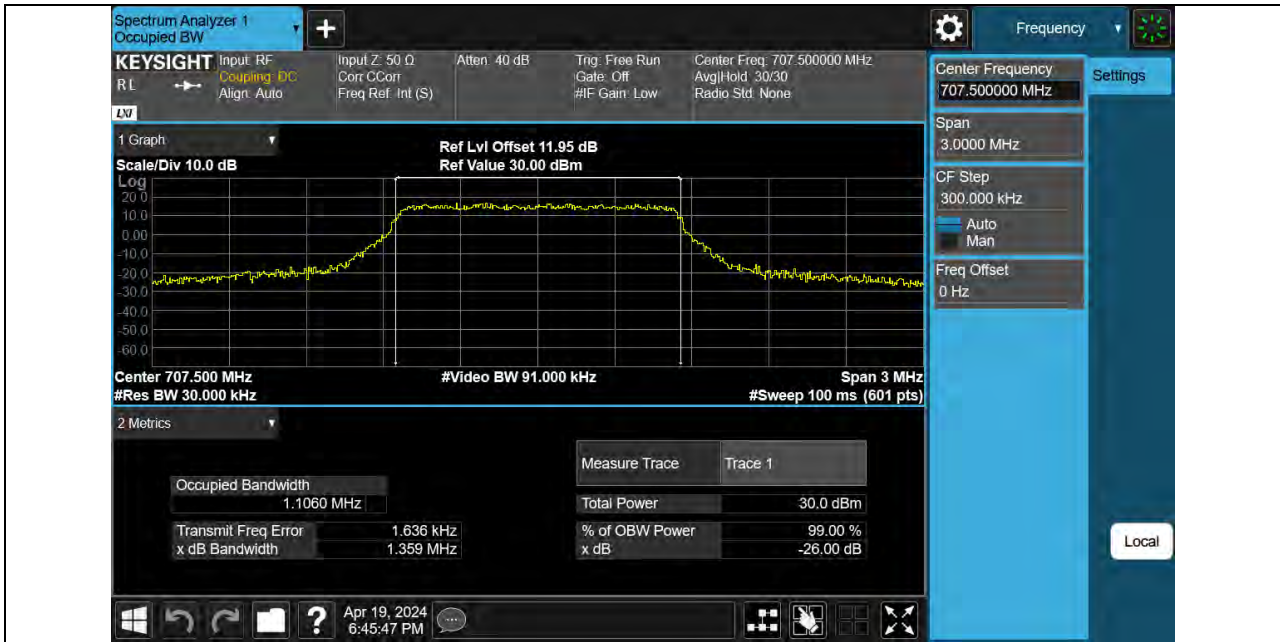


Band12-1.4MHz-16QAM-23017-6RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-1.4MHz-16QAM-23095-6RB#0-PASS



Band12-1.4MHz-16QAM-23173-6RB#0-PASS

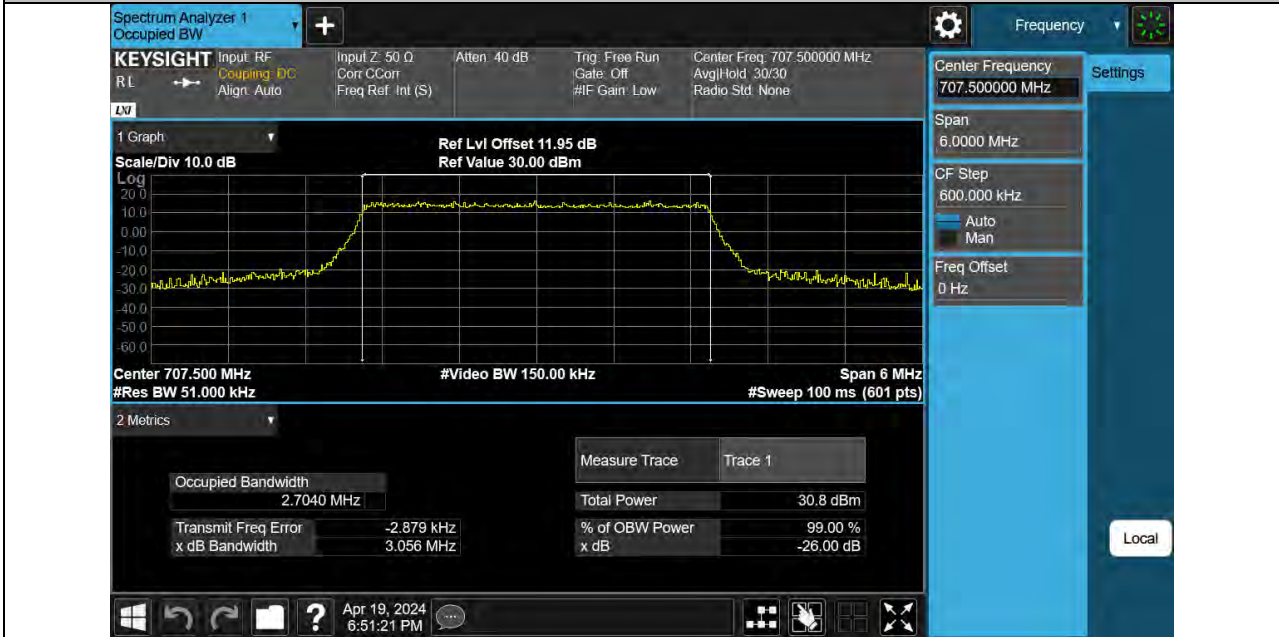


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-QPSK-23095-15RB#0-PASS

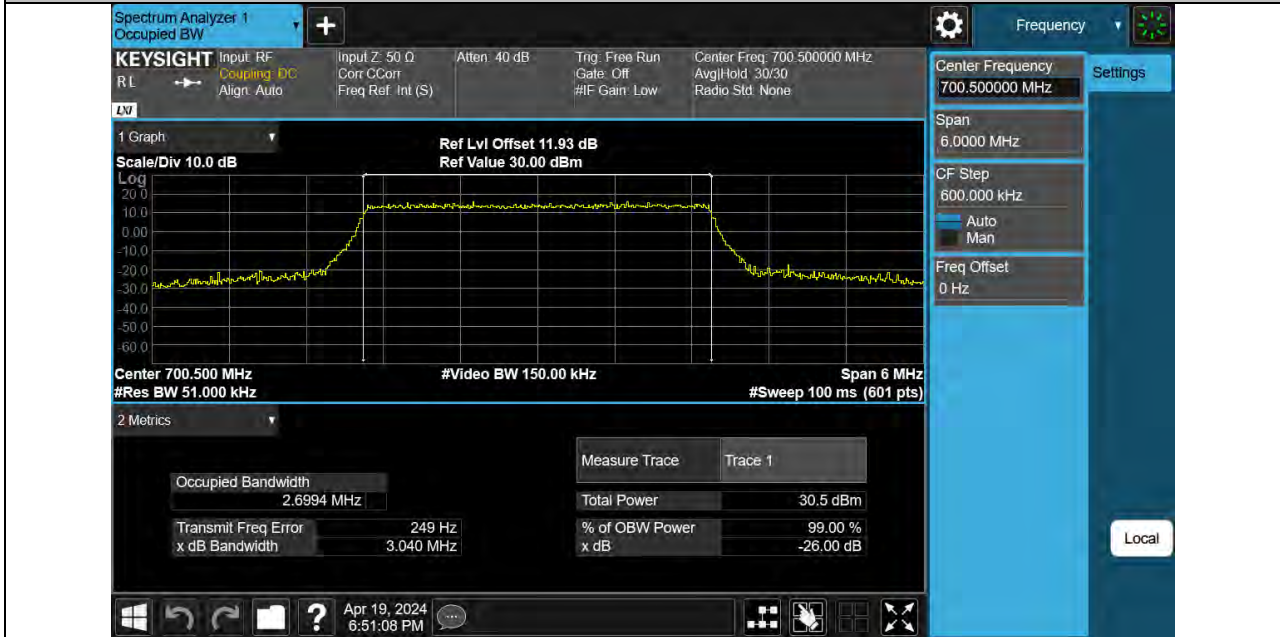


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-3MHz-QPSK-23165-15RB#0-PASS

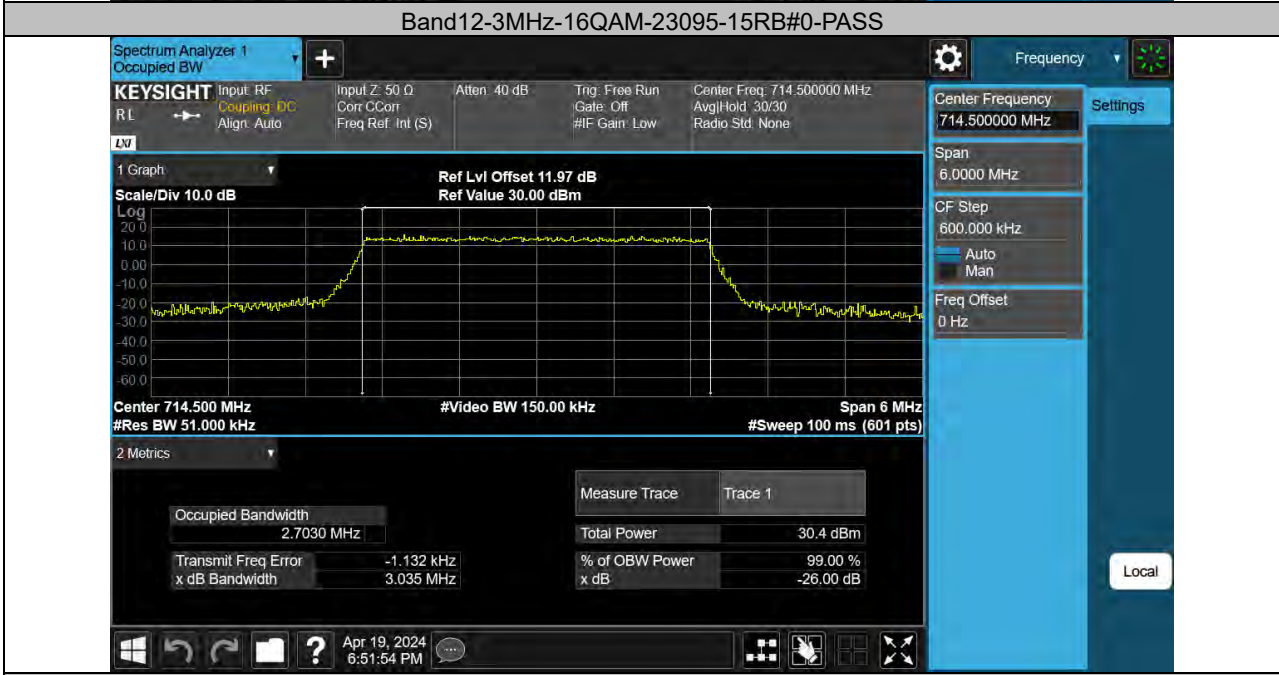
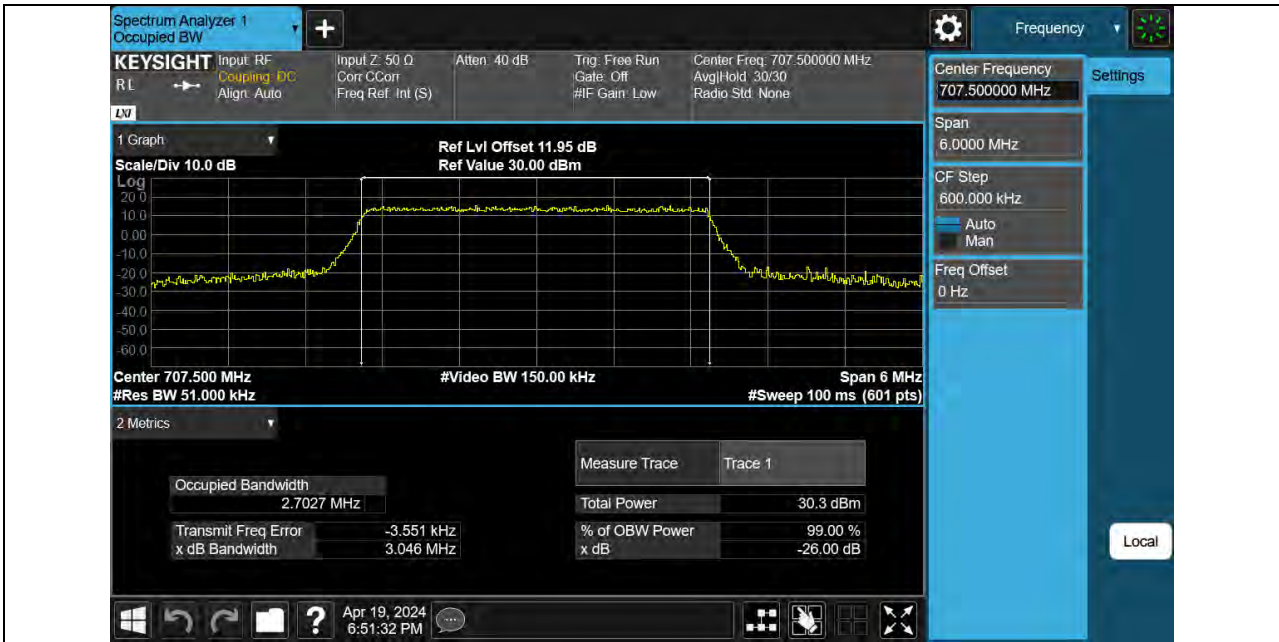


Band12-3MHz-16QAM-23025-15RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07





BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-5MHz-QPSK-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-25RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-5MHz-QPSK-23155-25RB#0-PASS



Band12-5MHz-16QAM-23035-25RB#0-PASS

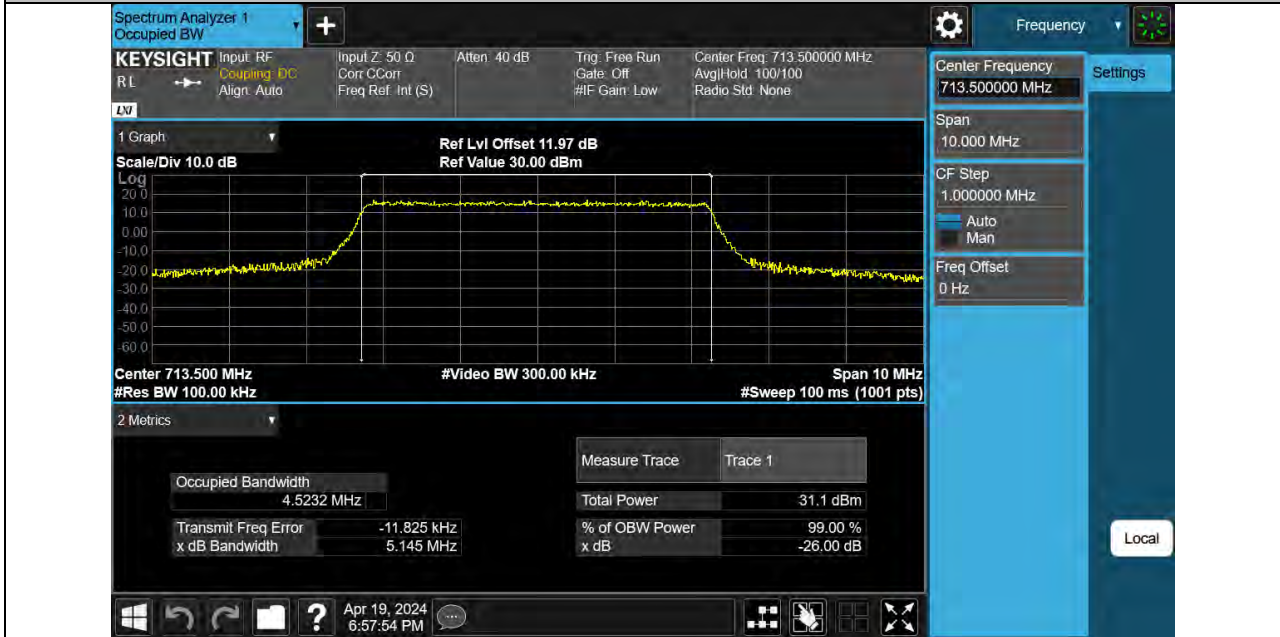


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-5MHz-16QAM-23095-25RB#0-PASS

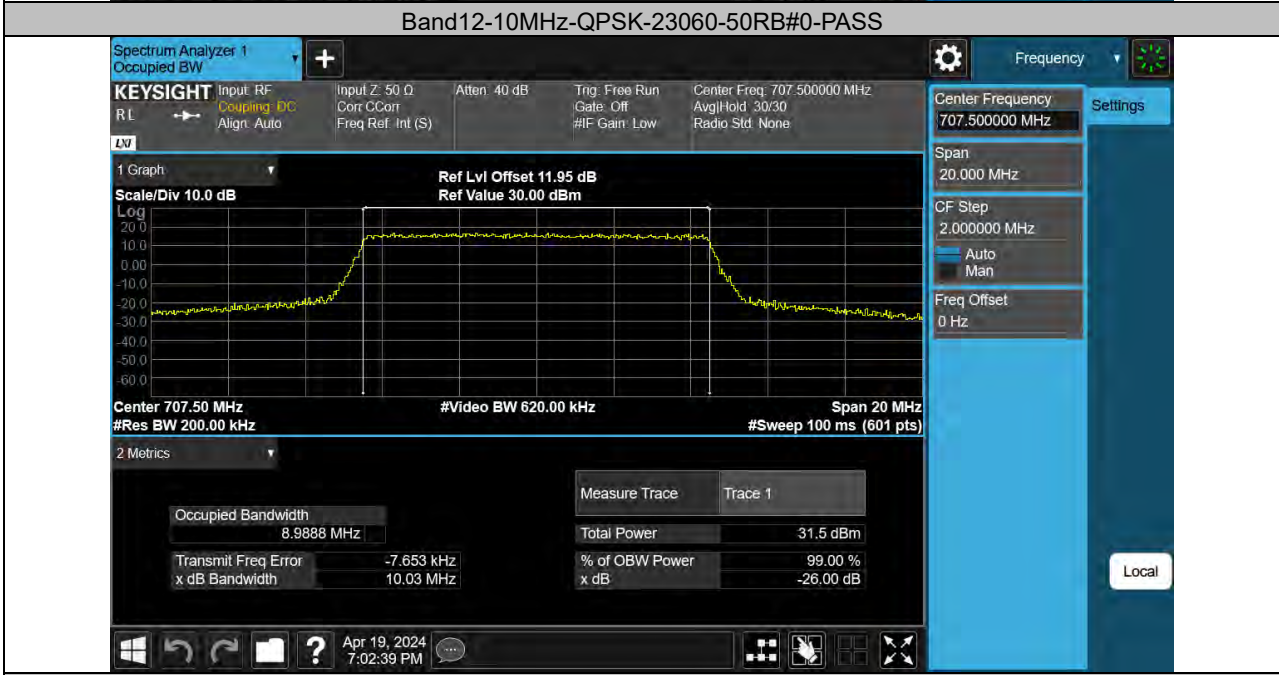


Band12-5MHz-16QAM-23155-25RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07





BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-QPSK-23130-50RB#0-PASS



Band12-10MHz-16QAM-23060-50RB#0-PASS



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12-10MHz-16QAM-23095-50RB#0-PASS



Band12-10MHz-16QAM-23130-50RB#0-PASS



Reference No.: PSU-NQN2403180115RF07

BAND EDGE TEST RESULT

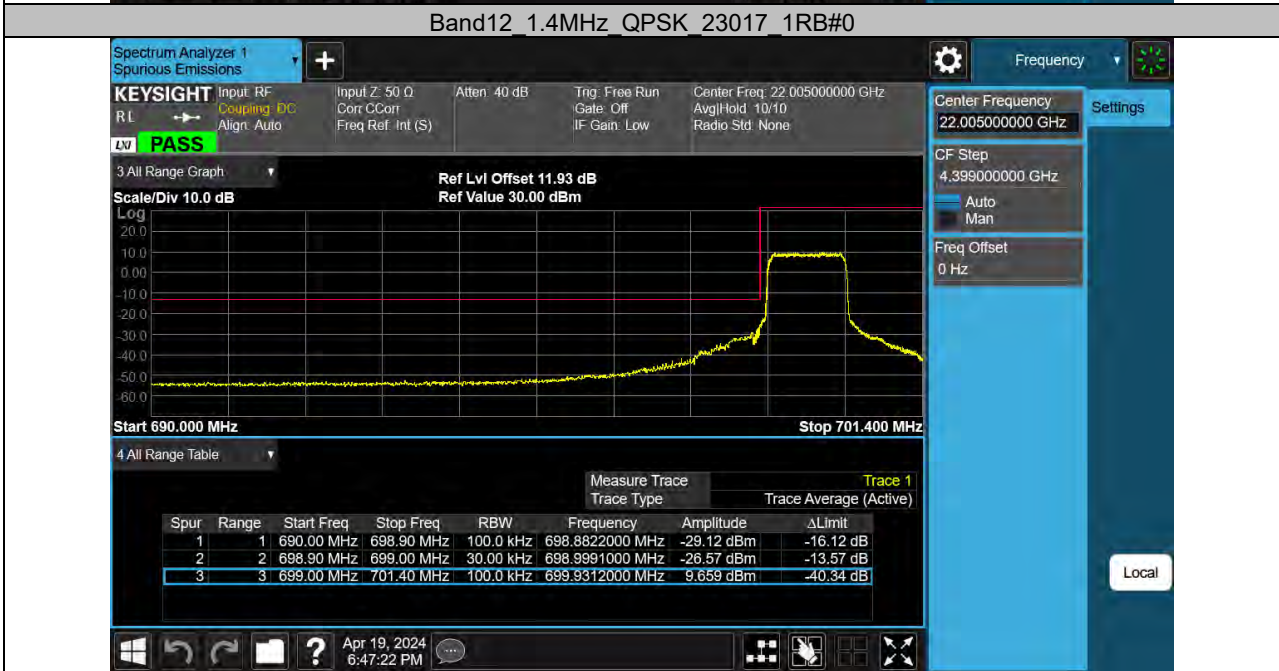
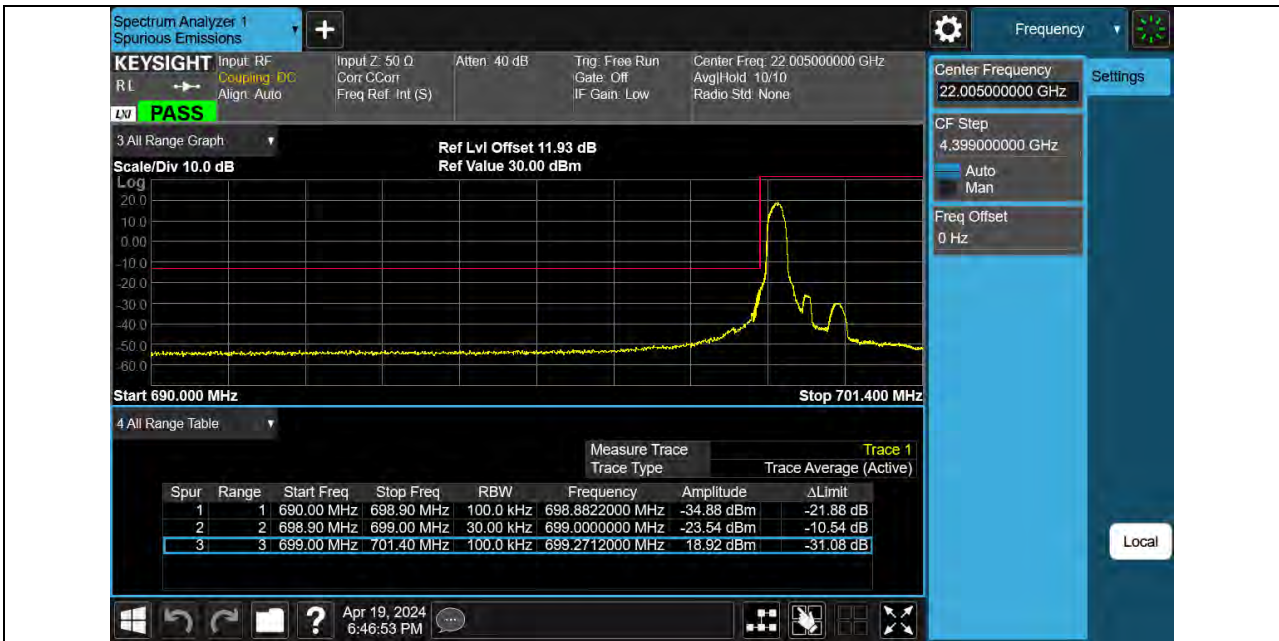
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-23.54	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-26.57	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-21.46	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-22.92	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-26.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-21.27	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-25.92	PASS
Band12	3MHz	QPSK	23025	1RB#0	-26.68	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.93	PASS
Band12	3MHz	QPSK	23165	1RB#14	-25.89	PASS
Band12	3MHz	QPSK	23165	15RB#0	-30.51	PASS
Band12	3MHz	16QAM	23025	1RB#0	-26.41	PASS
Band12	3MHz	16QAM	23025	15RB#0	-28.84	PASS
Band12	3MHz	16QAM	23165	1RB#14	-24.46	PASS
Band12	3MHz	16QAM	23165	15RB#0	-30.98	PASS
Band12	5MHz	QPSK	23035	1RB#0	-30.16	PASS
Band12	5MHz	QPSK	23035	25RB#0	-32.21	PASS
Band12	5MHz	QPSK	23155	1RB#24	-28.00	PASS
Band12	5MHz	QPSK	23155	25RB#0	-33.33	PASS
Band12	5MHz	16QAM	23035	1RB#0	-30.30	PASS
Band12	5MHz	16QAM	23035	25RB#0	-32.45	PASS
Band12	5MHz	16QAM	23155	1RB#24	-28.99	PASS
Band12	5MHz	16QAM	23155	25RB#0	-33.73	PASS
Band12	10MHz	QPSK	23060	1RB#0	-41.46	PASS
Band12	10MHz	QPSK	23060	50RB#0	-37.24	PASS
Band12	10MHz	QPSK	23130	1RB#49	-41.21	PASS
Band12	10MHz	QPSK	23130	50RB#0	-39.52	PASS
Band12	10MHz	16QAM	23060	1RB#0	-41.38	PASS
Band12	10MHz	16QAM	23060	50RB#0	-36.68	PASS
Band12	10MHz	16QAM	23130	1RB#49	-41.09	PASS
Band12	10MHz	16QAM	23130	50RB#0	-39.18	PASS



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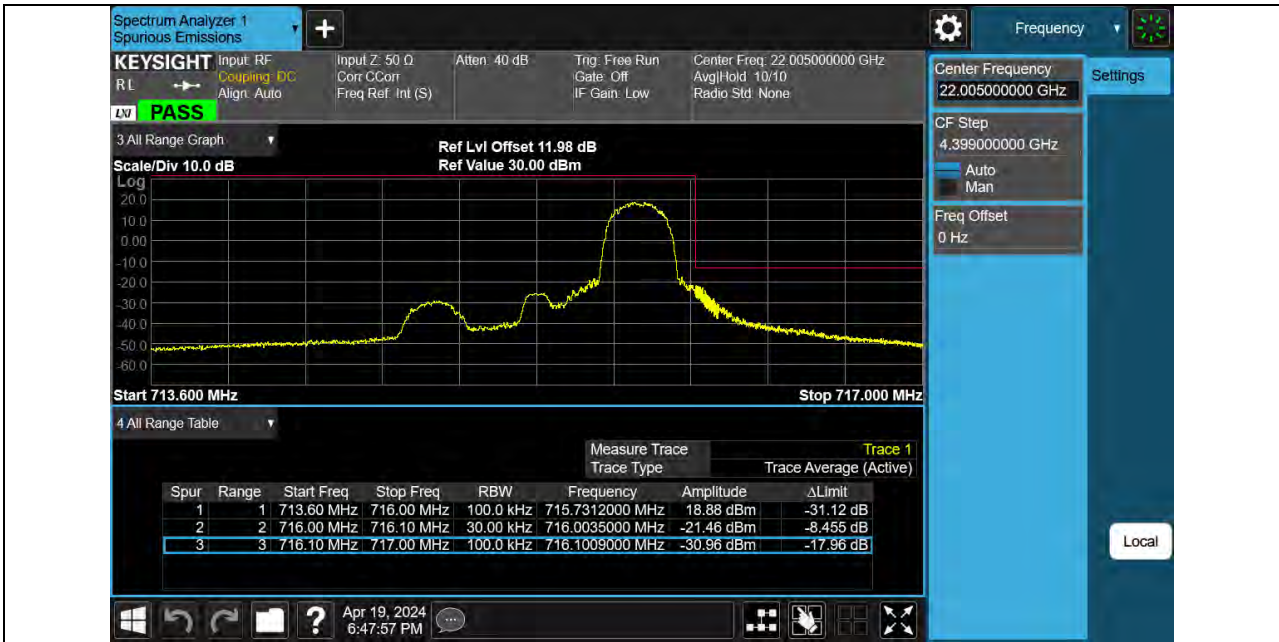
TEST GRAPHS





BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 1.4MHz QPSK 23173 1RB#5

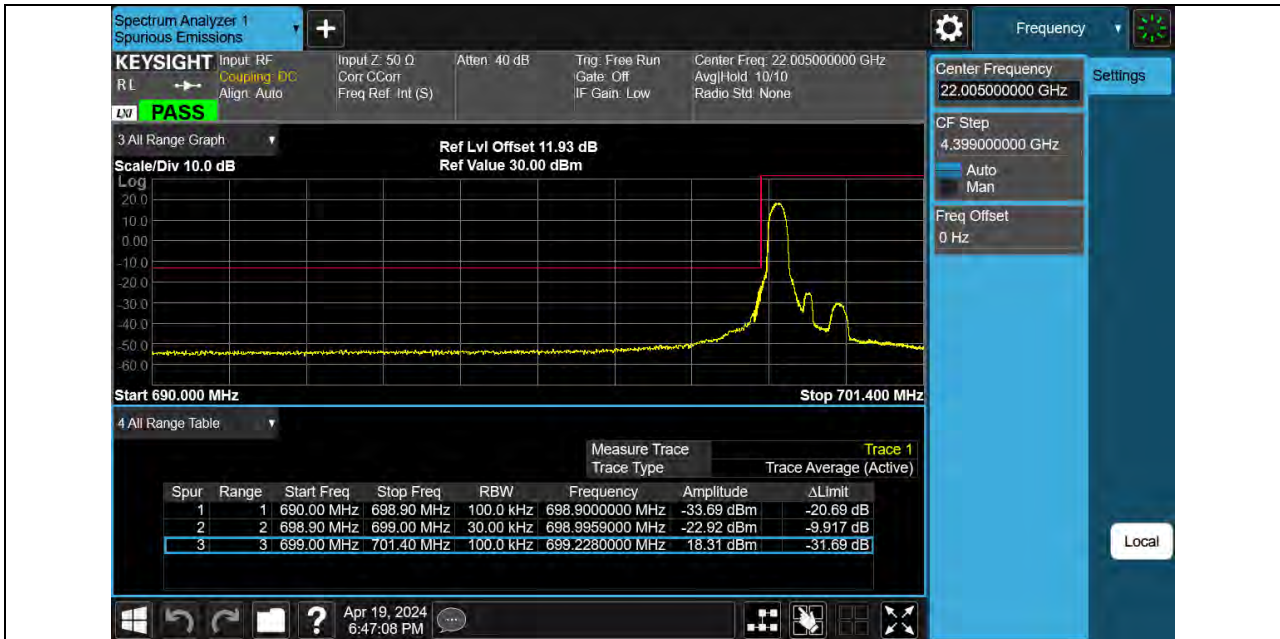


Band12_1.4MHz_QPSK_23173_6RB#0

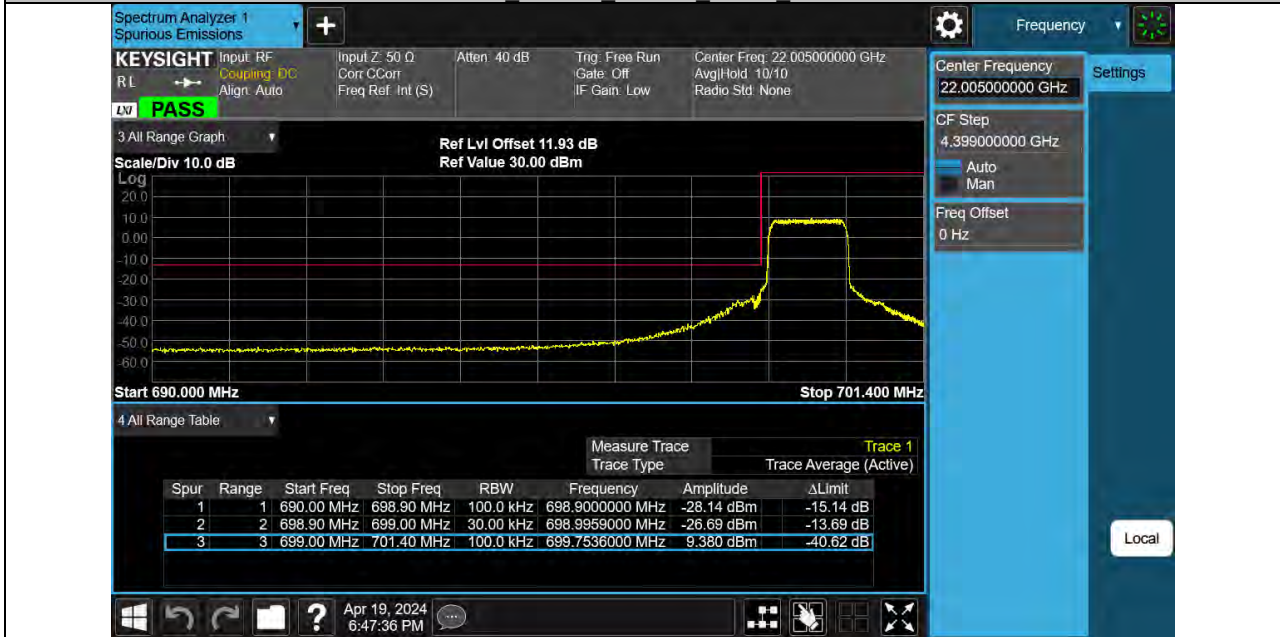


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_1.4MHz_16QAM_23017_1RB#0

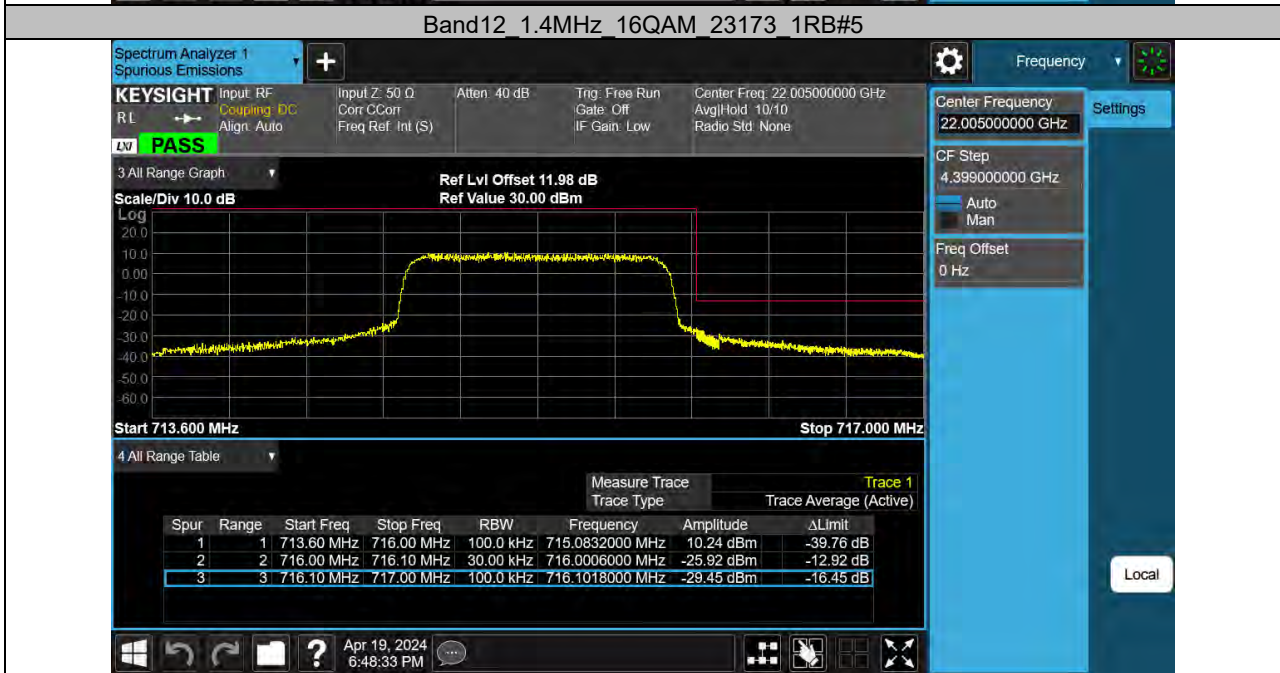
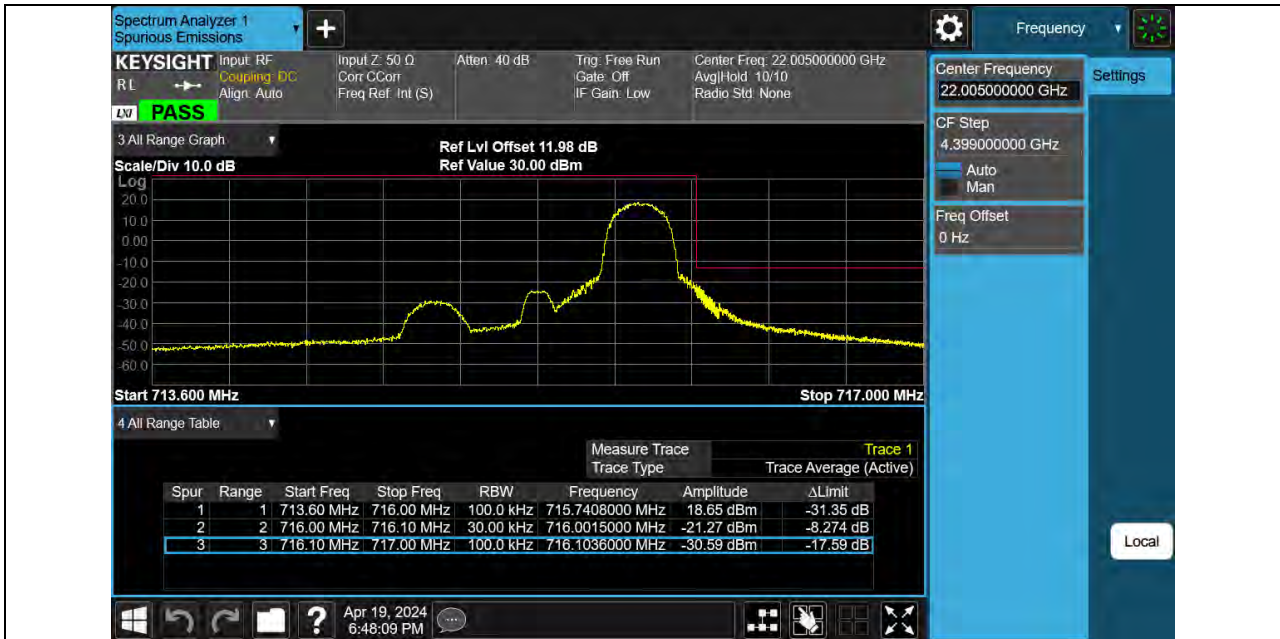


Band12_1.4MHz_16QAM_23017_6RB#0



BUREAU VERITAS

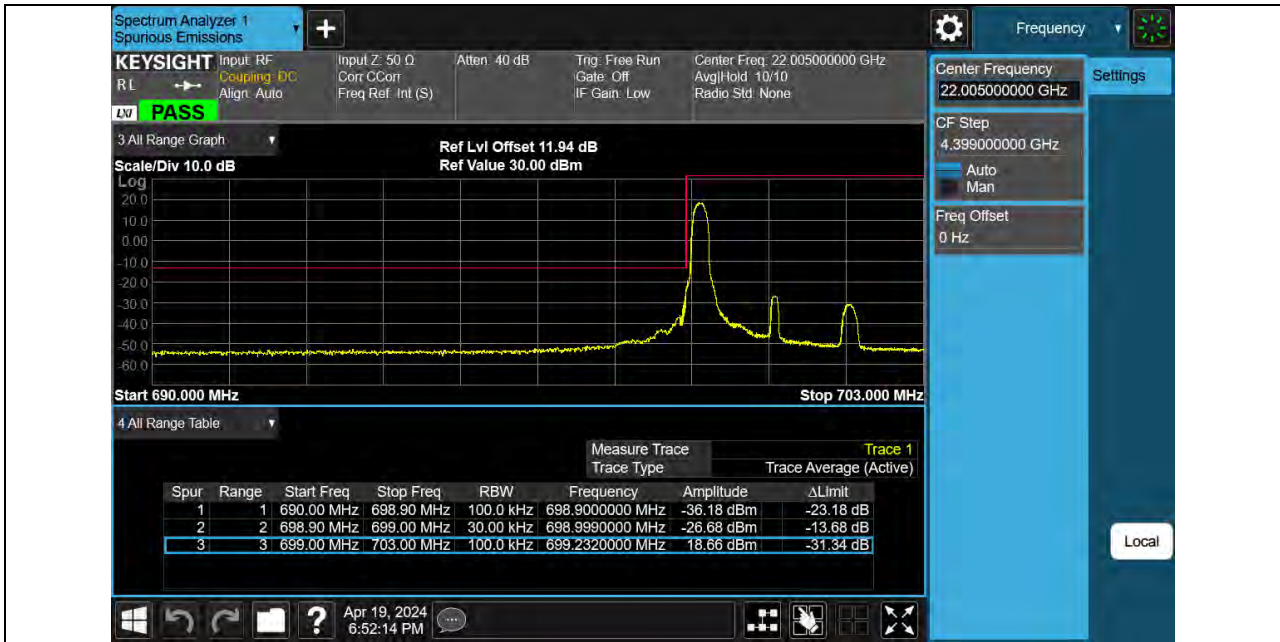
Reference No.: PSU-NQN2403180115RF07



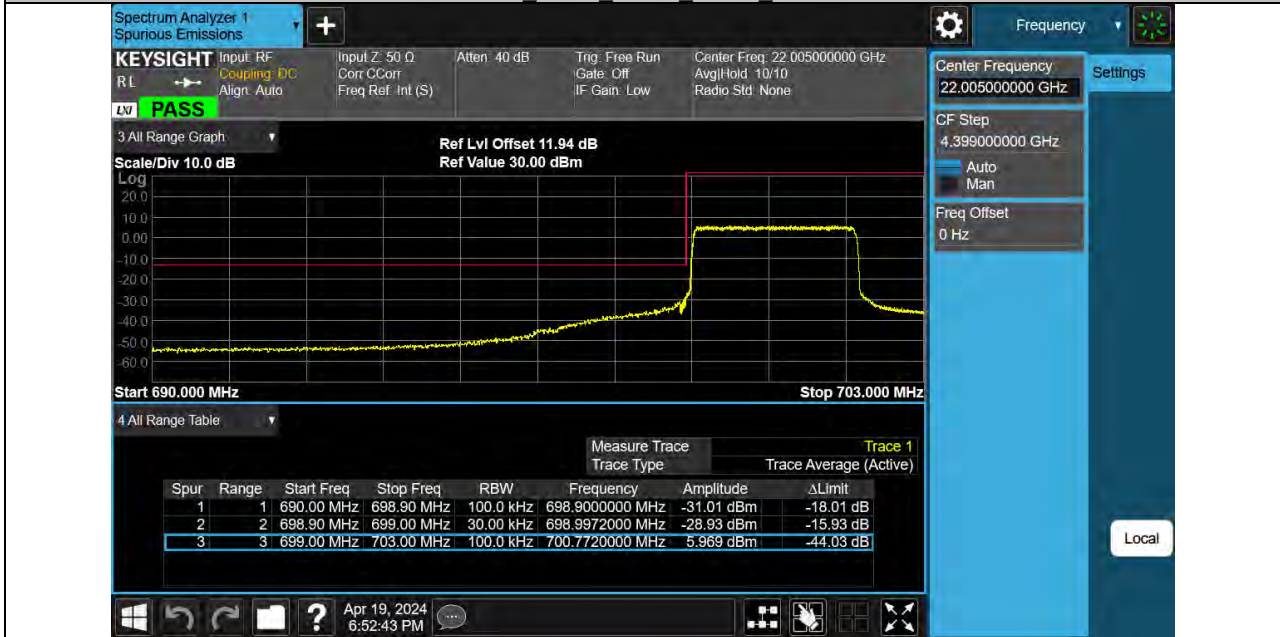


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_3MHz_QPSK_23025_1RB#0

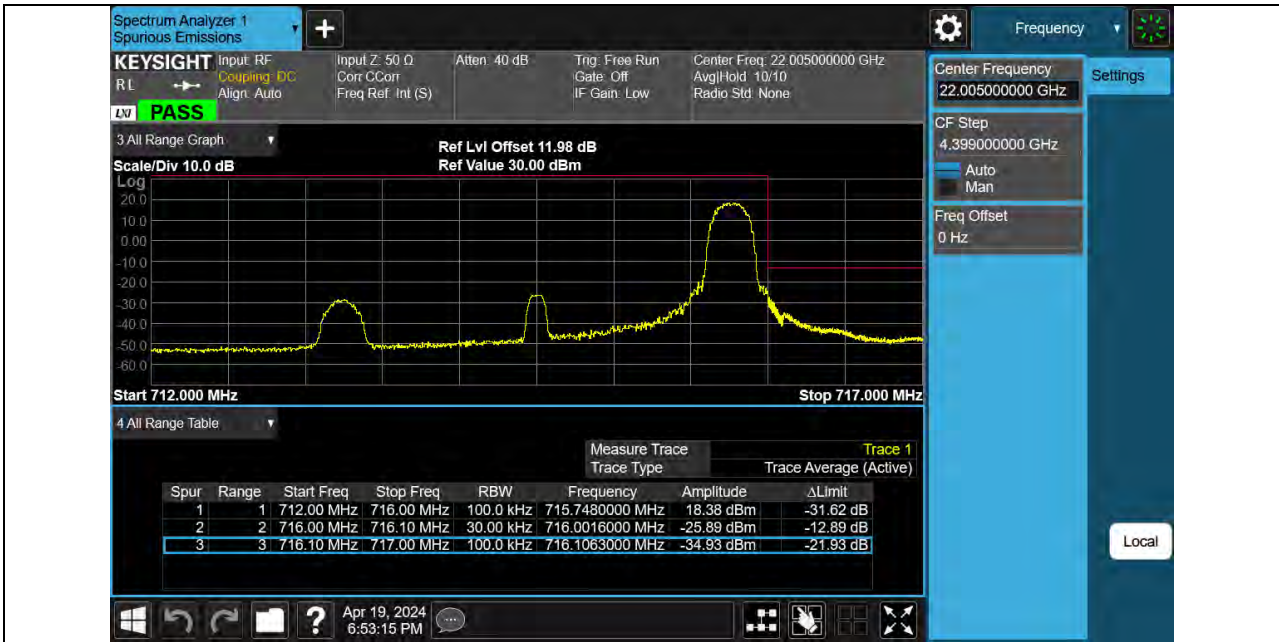


Band12_3MHz_QPSK_23025_15RB#0



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 3MHz QPSK 23165 1RB#14

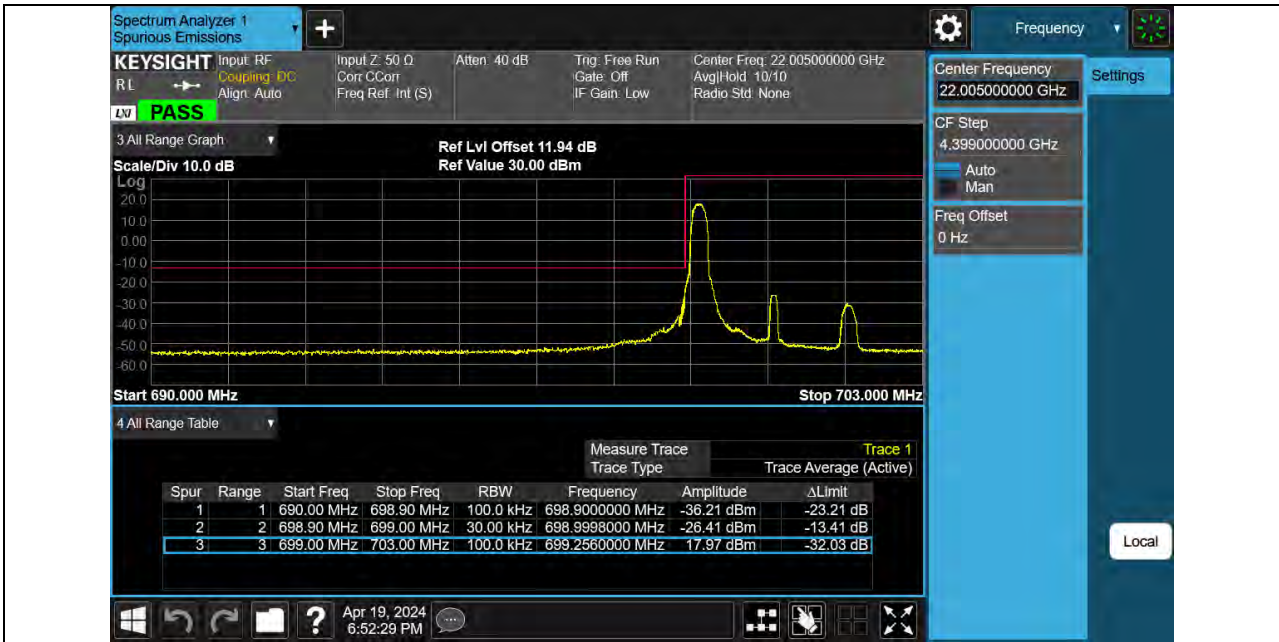


Band12_3MHz_QPSK_23165_15RB#0



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_3MHz_16QAM_23025_1RB#0

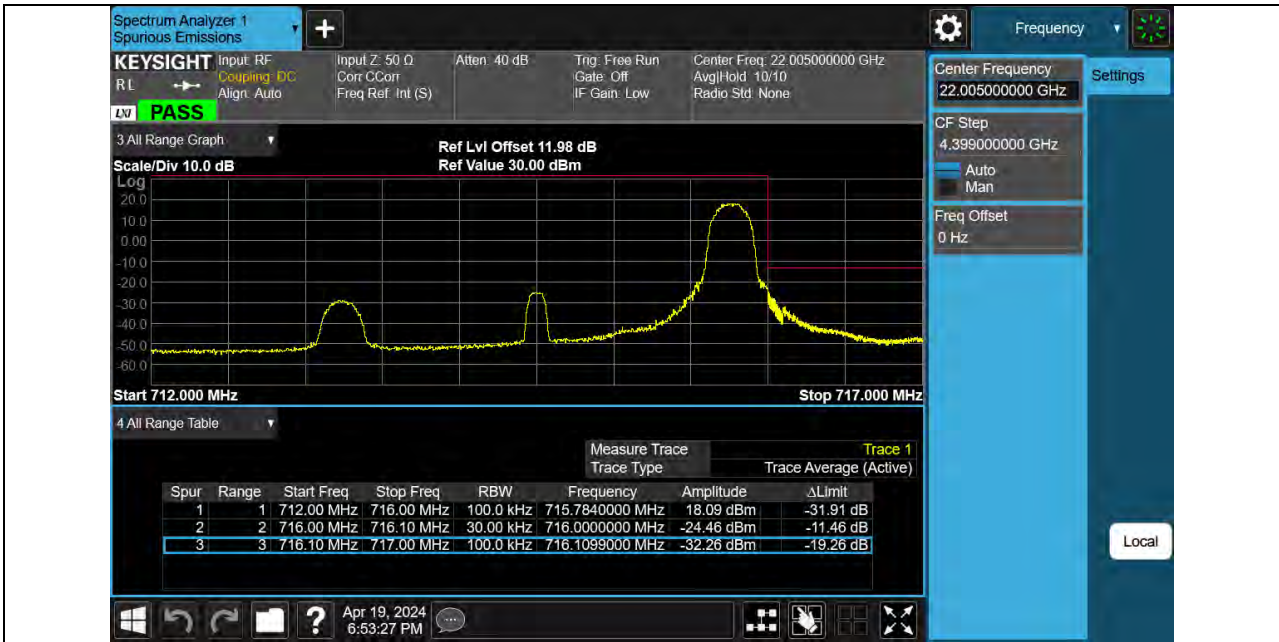


Band12_3MHz_16QAM_23025_15RB#0



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_3MHz_16QAM_23165_1RB#14

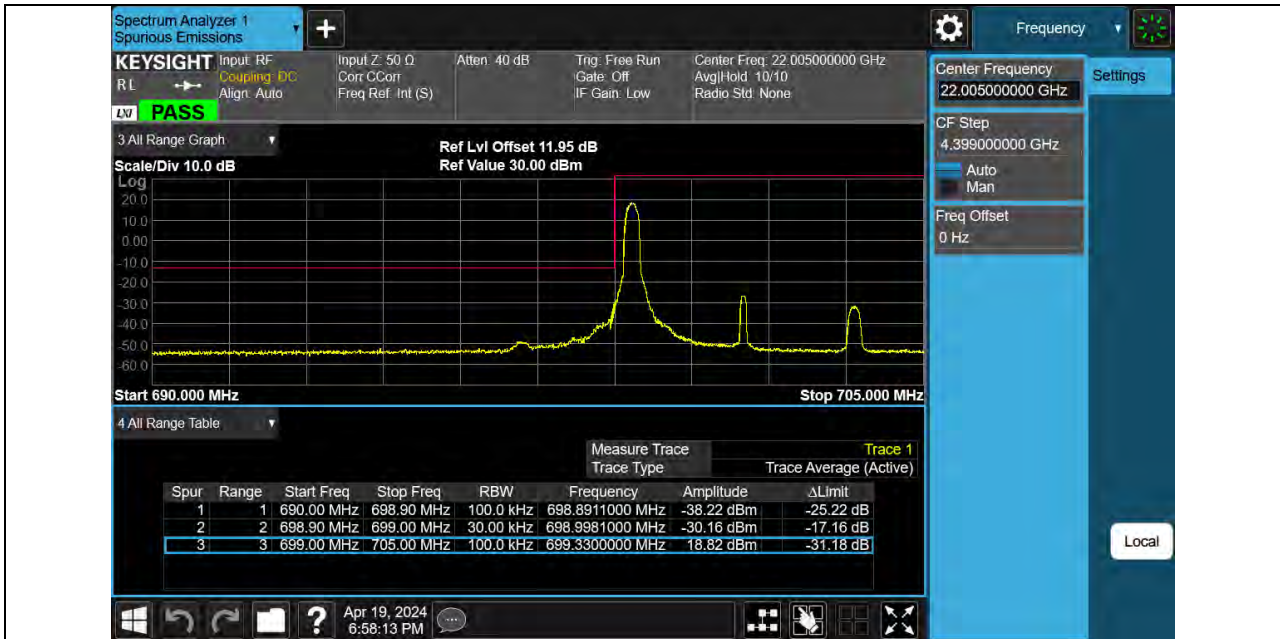


Band12_3MHz_16QAM_23165_15RB#0



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_5MHz_QPSK_23035_1RB#0

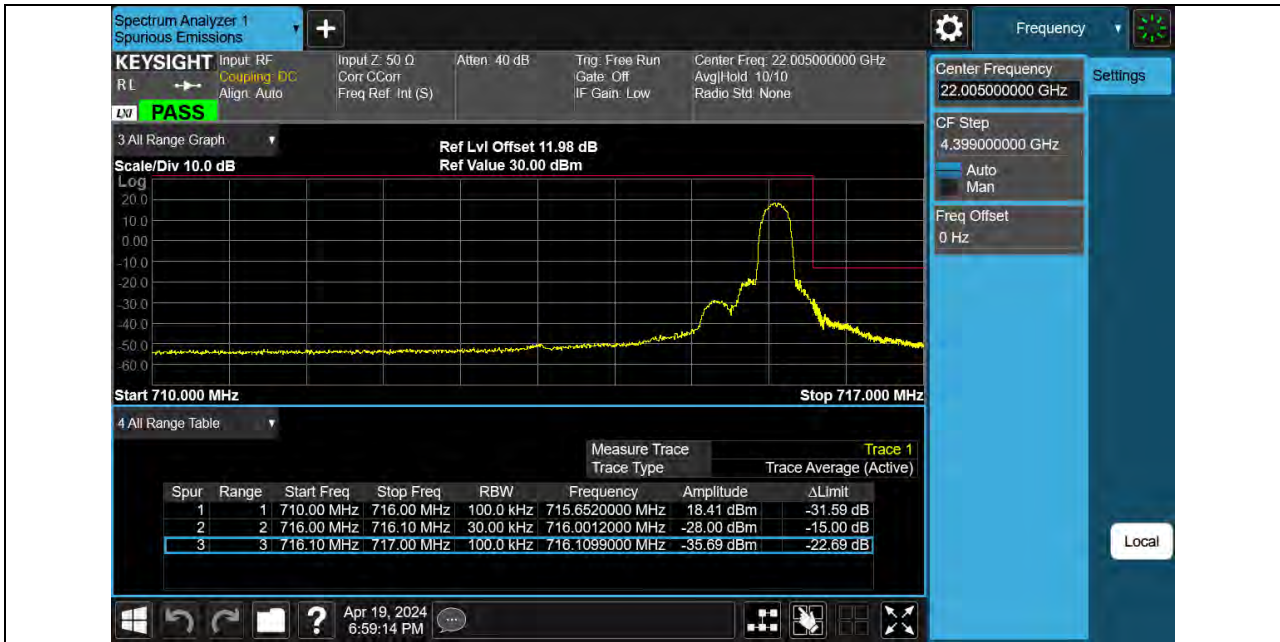


Band12_5MHz_QPSK_23035_25RB#0

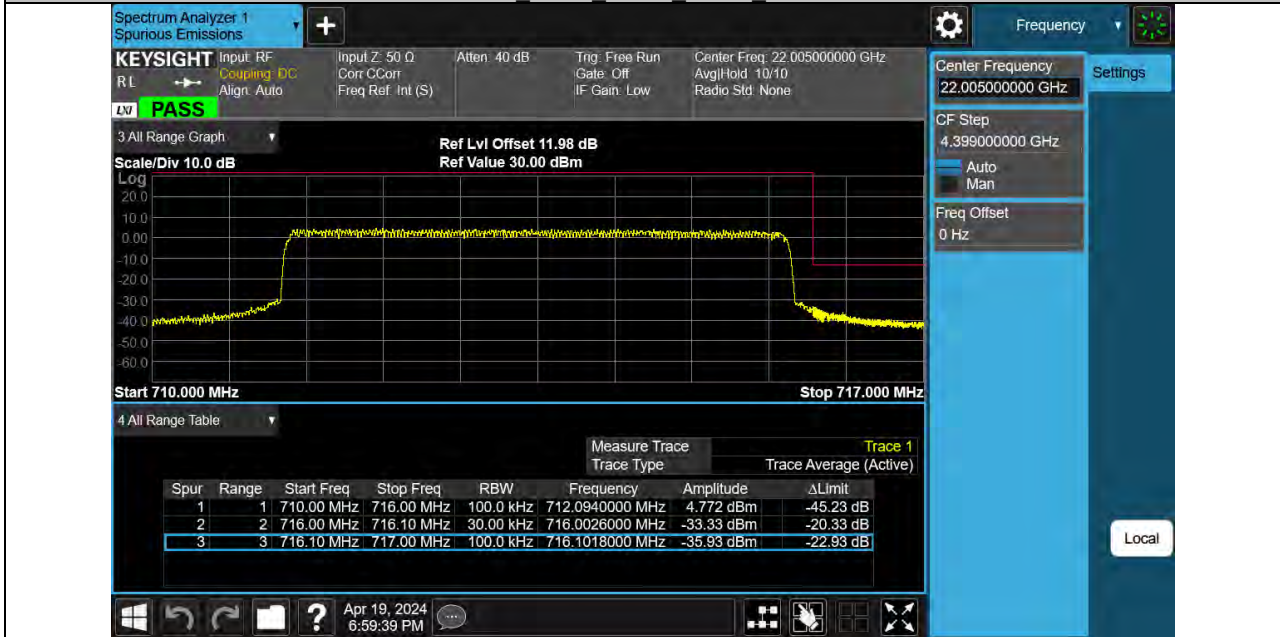


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_5MHz_QPSK_23155_1RB#24



Band12_5MHz_QPSK_23155_25RB#0



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 5MHz 16QAM 23035 1RB#0

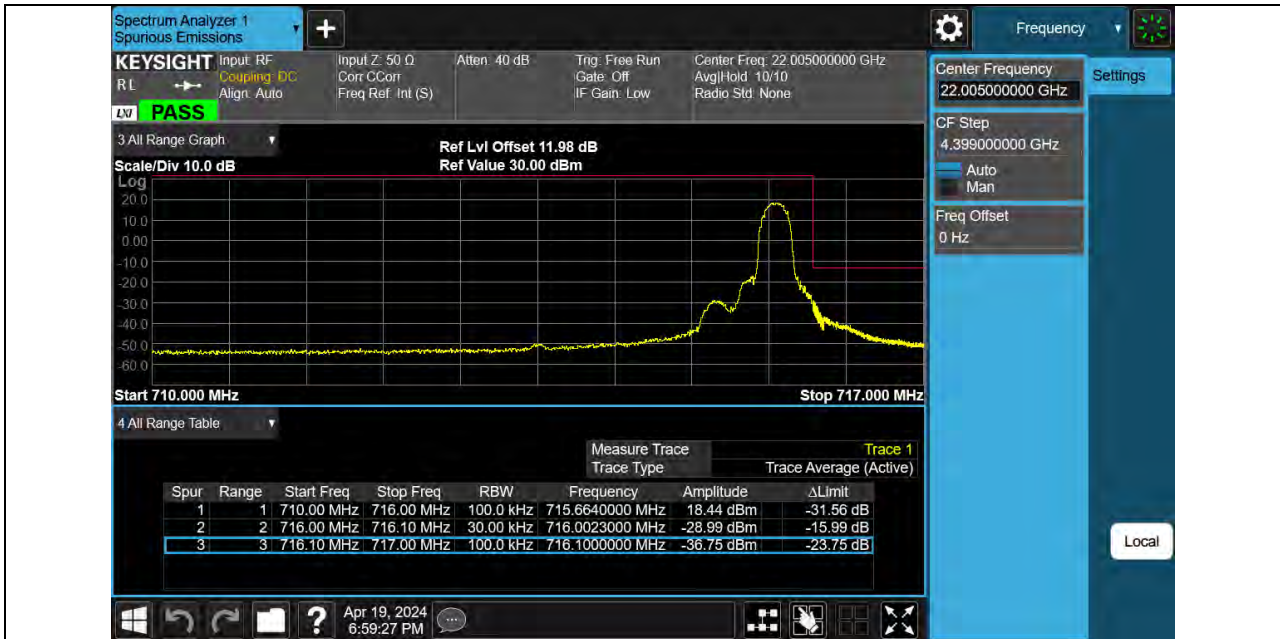


Band12_5MHz_16QAM_23035_25RB#0

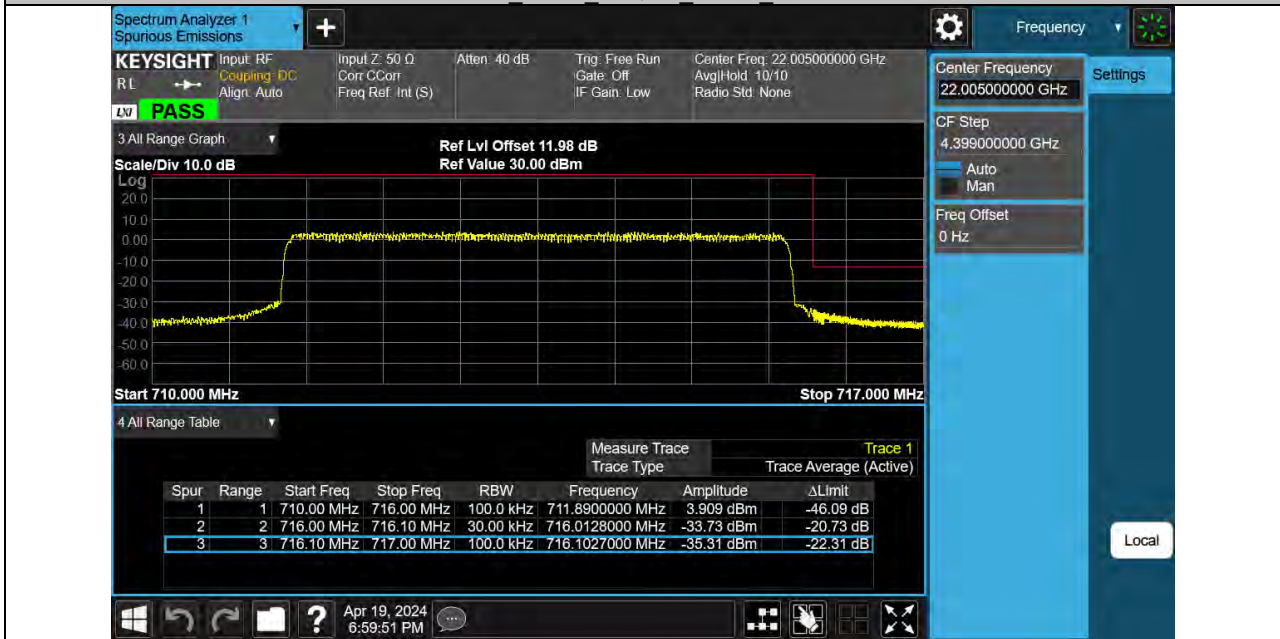


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_5MHz_16QAM_23155_1RB#24

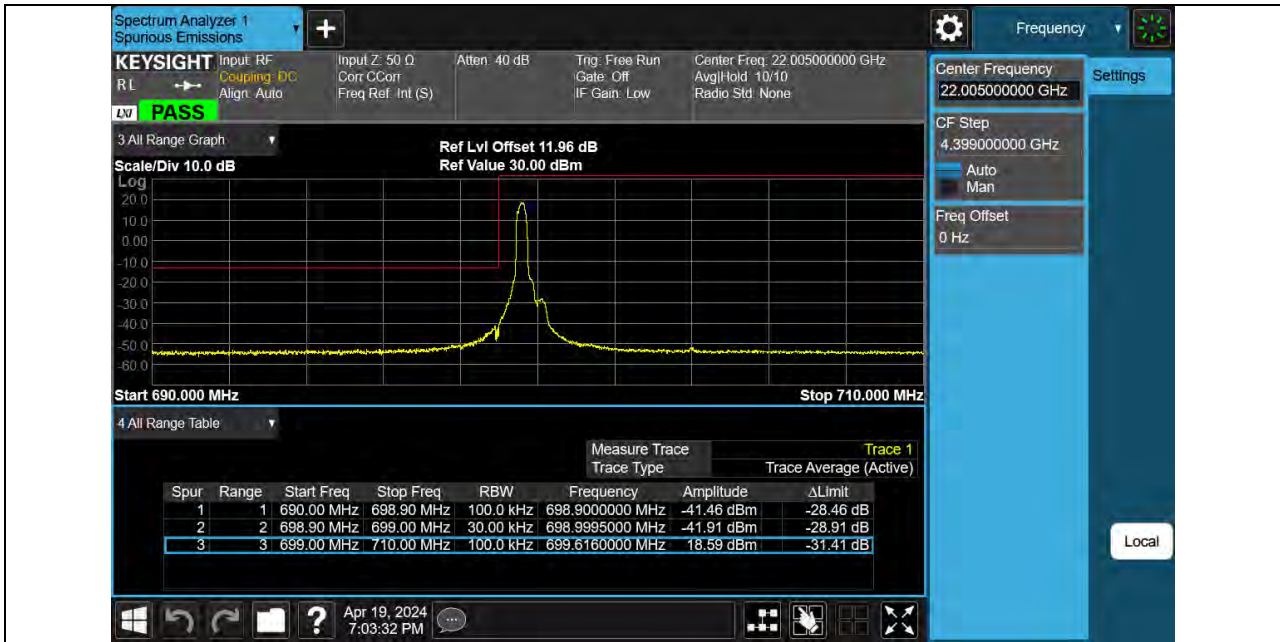


Band12_5MHz_16QAM_23155_25RB#0



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_10MHz_QPSK_23060_1RB#0

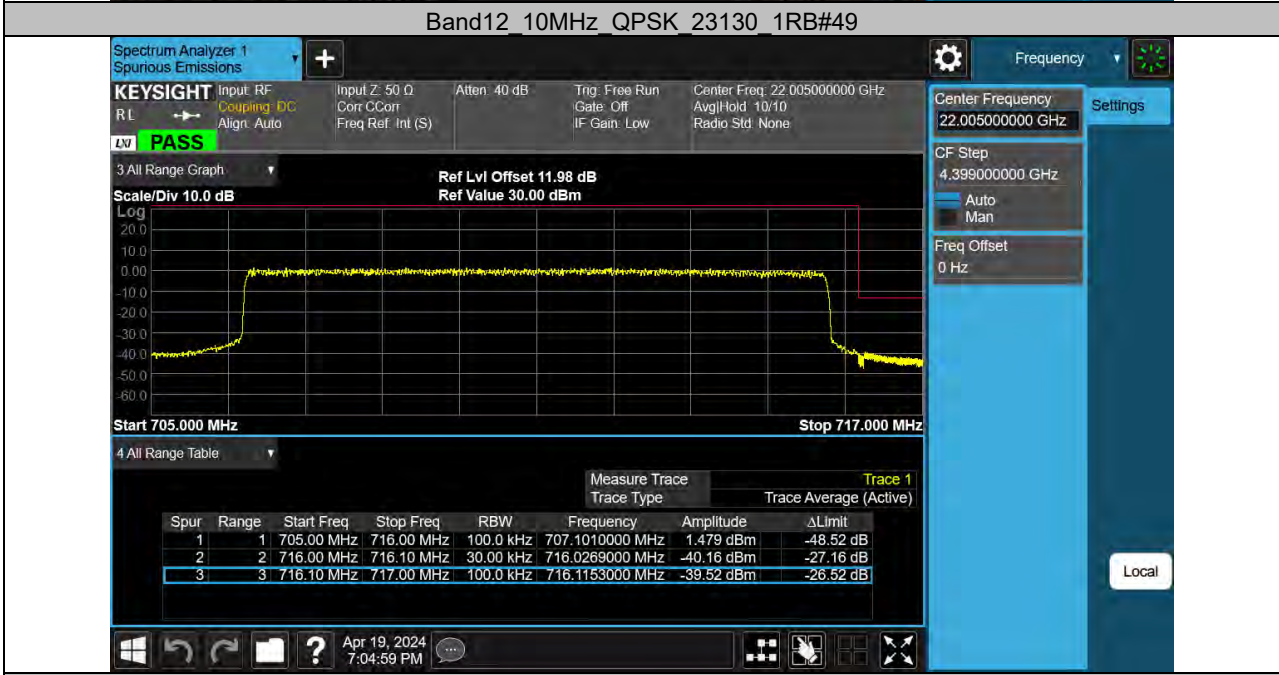
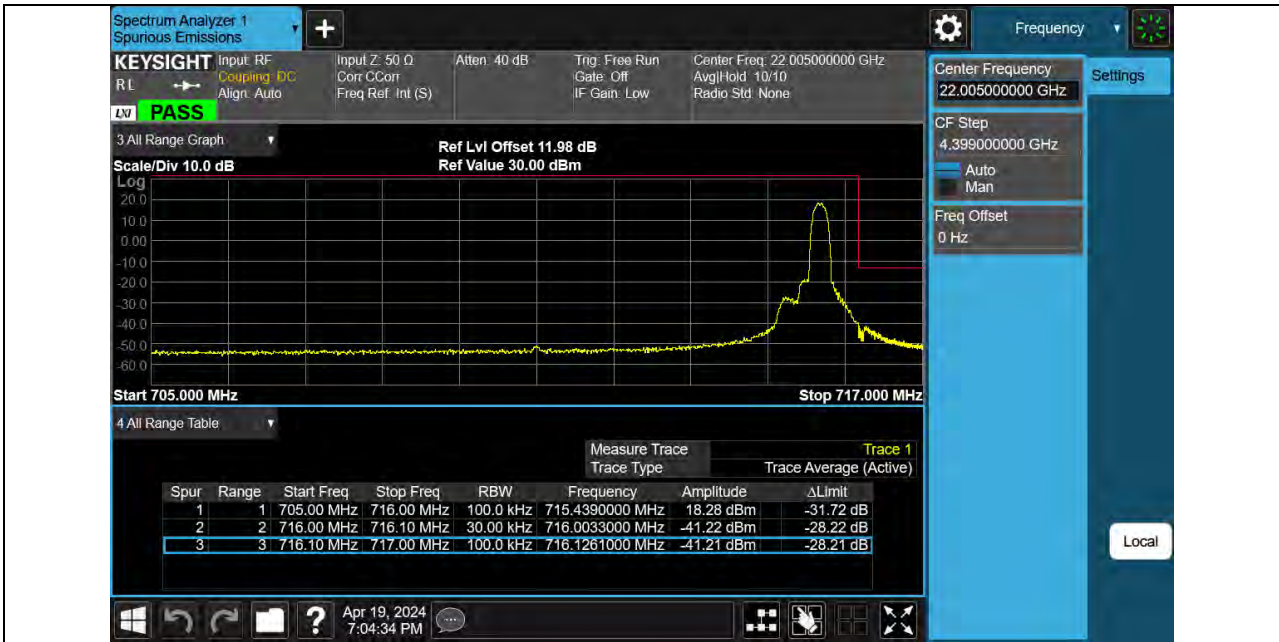


Band12_10MHz_QPSK_23060_50RB#0



BUREAU VERITAS

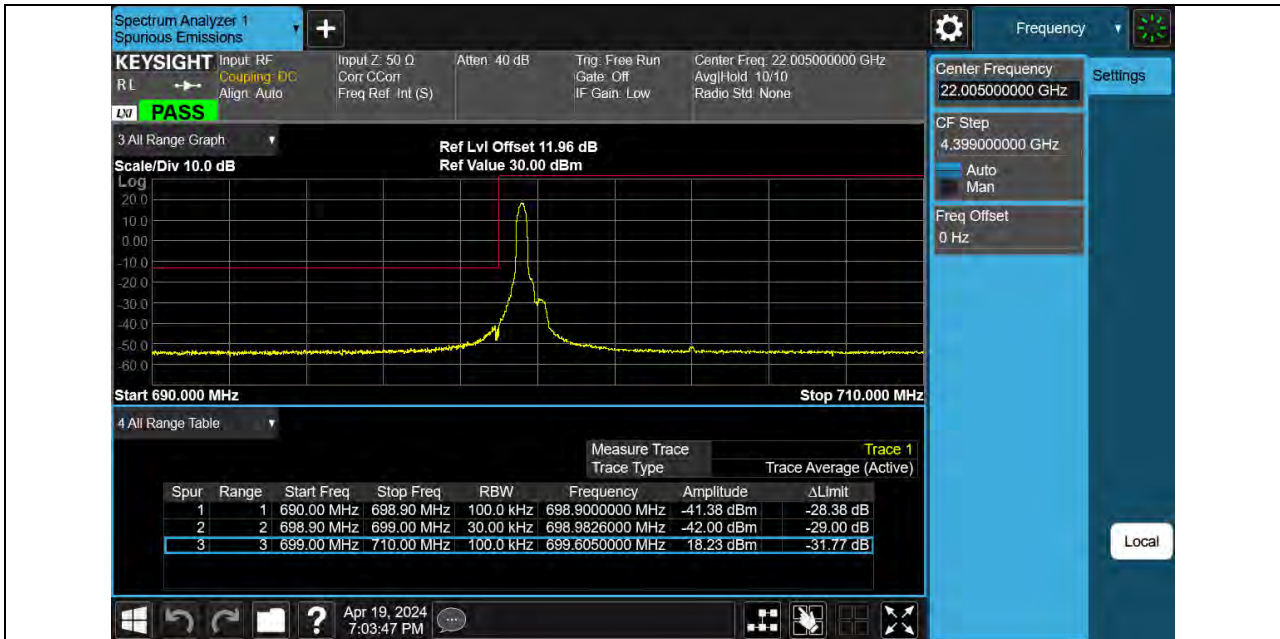
Reference No.: PSU-NQN2403180115RF07





BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_10MHz_16QAM_23060_1RB#0

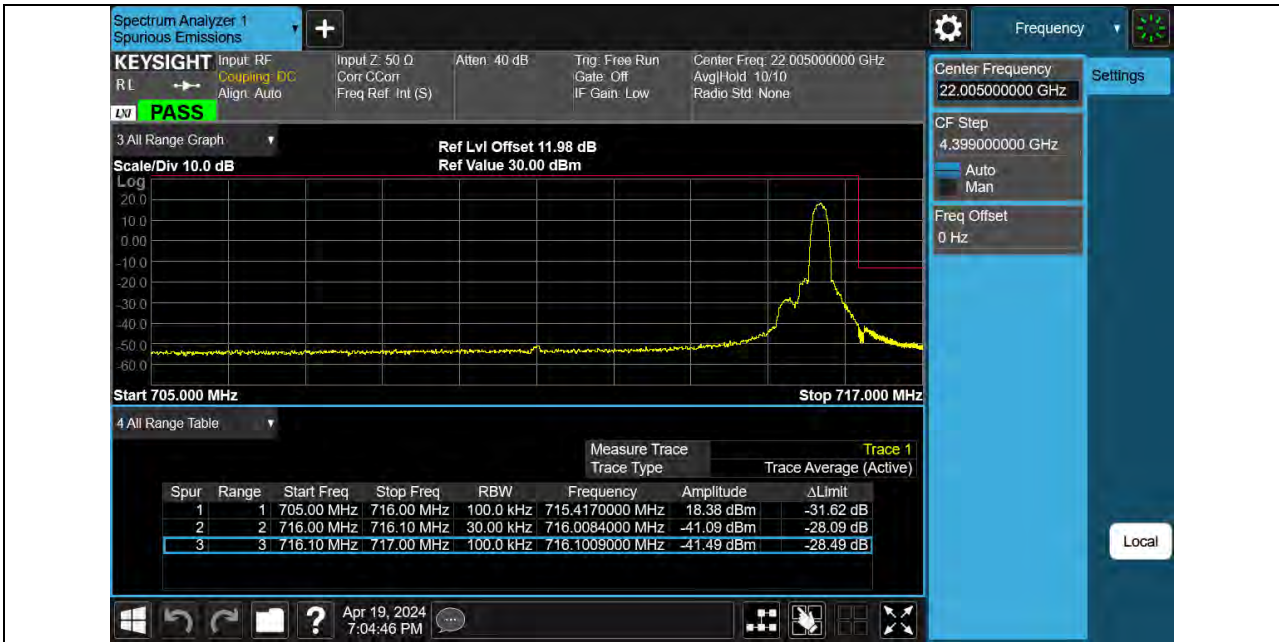


Band12_10MHz_16QAM_23060_50RB#0

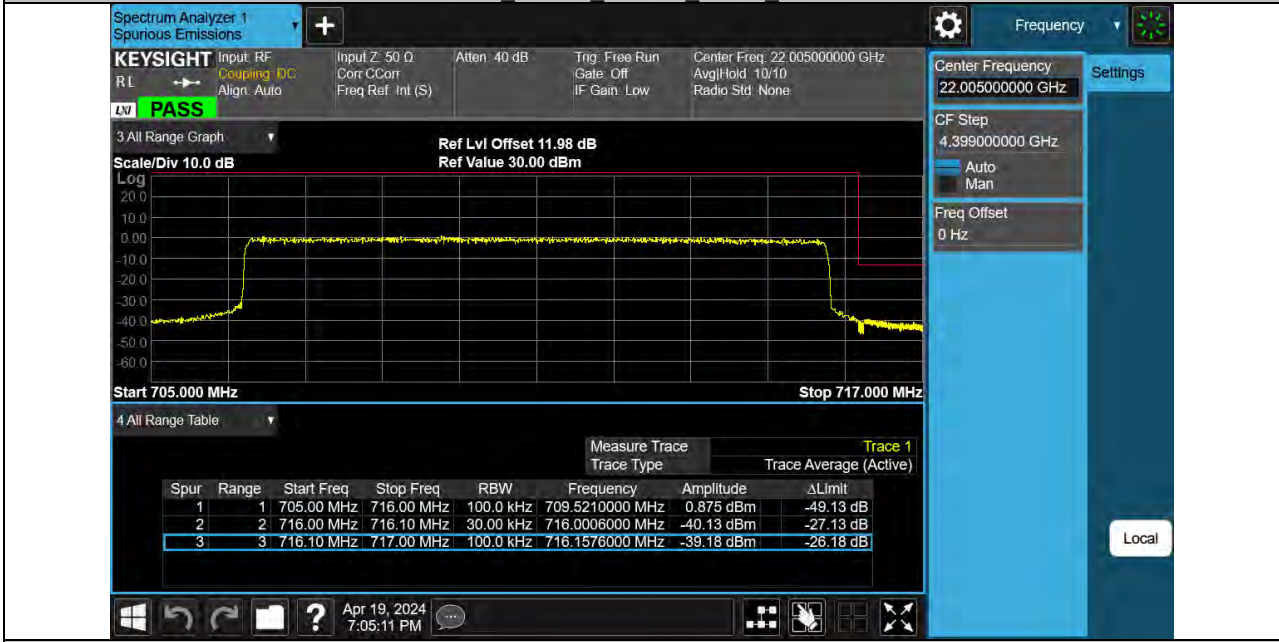


BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 10MHz 16QAM 23130 1RB#49



Band12_10MHz_16QAM_23130_50RB#0



Reference No.: PSU-NQN2403180115RF07

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-48.93	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~10000	-48.25	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-49.05	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~10000	-48.09	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-49.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~10000	-48.20	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-48.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~10000	-48.15	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-49.10	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~10000	-48.22	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-49.10	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~10000	-48.24	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-49.06	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~10000	-48.34	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-49.03	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~10000	-48.27	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-48.92	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~10000	-48.40	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-49.03	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~10000	-48.30	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-49.12	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~10000	-48.33	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-49.09	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~10000	-48.24	PASS



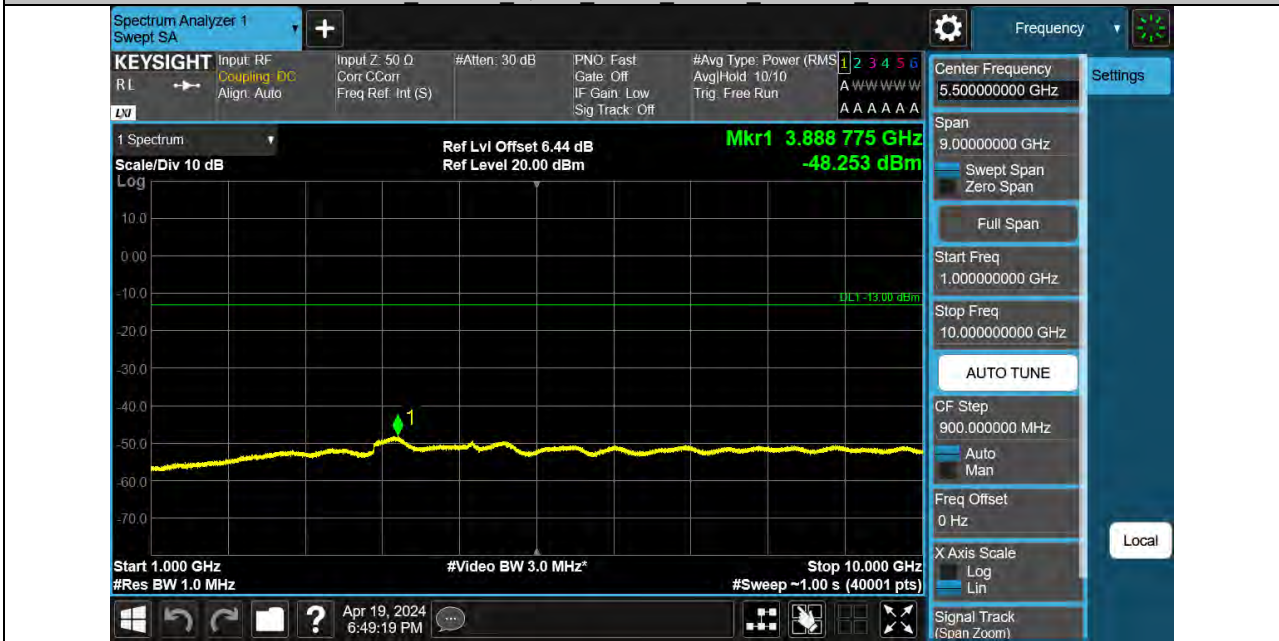
BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07

TEST GRAPHS



Band12 1.4MHz QPSK 23017 1RB#0 30~1000 30~1000



Band12 1.4MHz QPSK 23017 1RB#0 1000~10000 1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 1.4MHz QPSK 23095 1RB#0 30~1000 30~1000



Band12 1.4MHz QPSK 23095 1RB#0 1000~10000 1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 1.4MHz QPSK 23173 1RB#0 30~1000 30~1000



Band12_1.4MHz_QPSK_23173_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_3MHz_QPSK_23025_1RB#0_30~1000_30~1000



Band12_3MHz_QPSK_23025_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_3MHz_QPSK_23095_1RB#0_30~1000_30~1000



Band12_3MHz_QPSK_23095_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_3MHz_QPSK_23165_1RB#0_30~1000_30~1000



Band12_3MHz_QPSK_23165_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_ 5MHz_QPSK_23035_1RB#0_30~1000_30~1000



Band12_ 5MHz_QPSK_23035_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_5MHz_QPSK_23095_1RB#0_30~1000_30~1000



Band12_5MHz_QPSK_23095_1RB#0_1000~10000_1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12_ 5MHz_QPSK_ 23155_ 1RB#0_ 30~1000_ 30~1000



Band12_ 5MHz_QPSK_ 23155_ 1RB#0_ 1000~10000_ 1000~10000



BUREAU VERITAS

Reference No.: PSU-NQN2403180115RF07



Band12 10MHz QPSK 23060 1RB#0 30~1000 30~1000



Band12_10MHz_QPSK_23060_1RB#0_1000~10000_1000~10000