

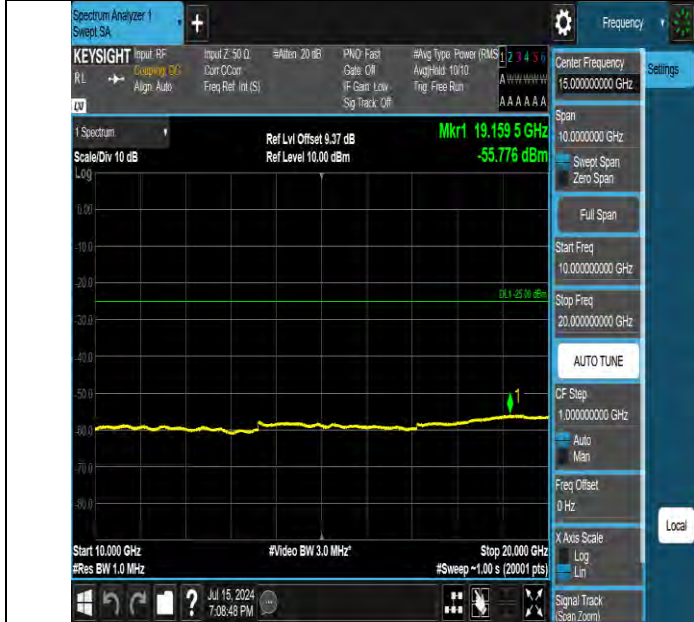


Test Report No.: W7L-240618W002RF07



Band7 10MHz QPSK 21100 1RB#0 30~1000 30~1000

Band7 10MHz QPSK 21100 1RB#0 1000~10000 1000~10000



Band7 10MHz QPSK 21100 1RB#0 10000~20000 10000~20000

Band7 10MHz QPSK 21100 1RB#0 20000~27000 20000~27000

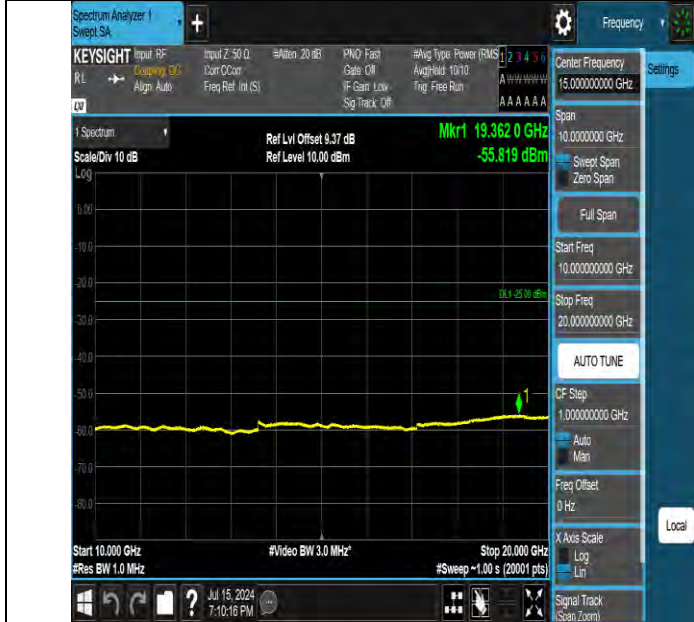


Test Report No.: W7L-240618W002RF07



Band7 10MHz QPSK 21400 1RB#0 30~1000 30~1000

Band7 10MHz QPSK 21400 1RB#0 1000~10000 1000~10000



Band7 10MHz QPSK 21400 1RB#0 10000~20000 10000~20000

Band7 10MHz QPSK 21400 1RB#0 20000~27000 20000~27000

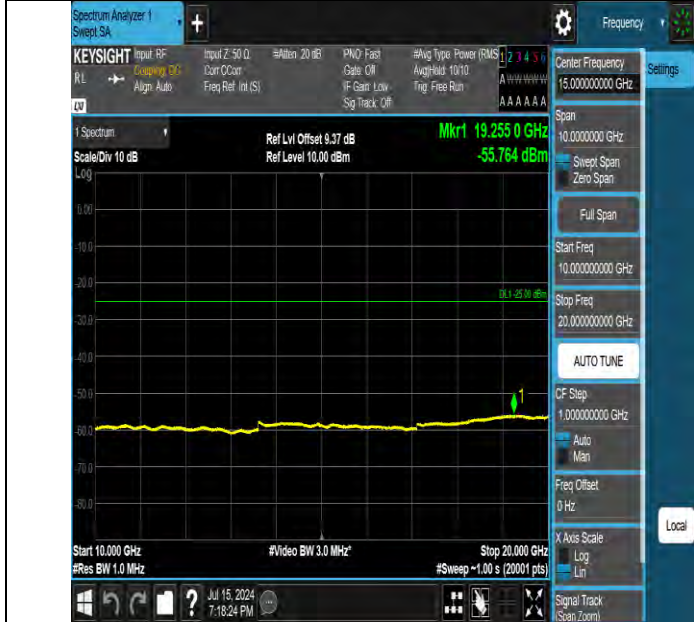


Test Report No.: W7L-240618W002RF07



Band7 15MHz QPSK 20825 1RB#0 30~1000 30~1000

Band7 15MHz QPSK 20825 1RB#0 1000~10000 1000~10000



Band7 15MHz QPSK 20825 1RB#0 10000~20000 10000~20000

Band7 15MHz QPSK 20825 1RB#0 20000~27000 20000~27000

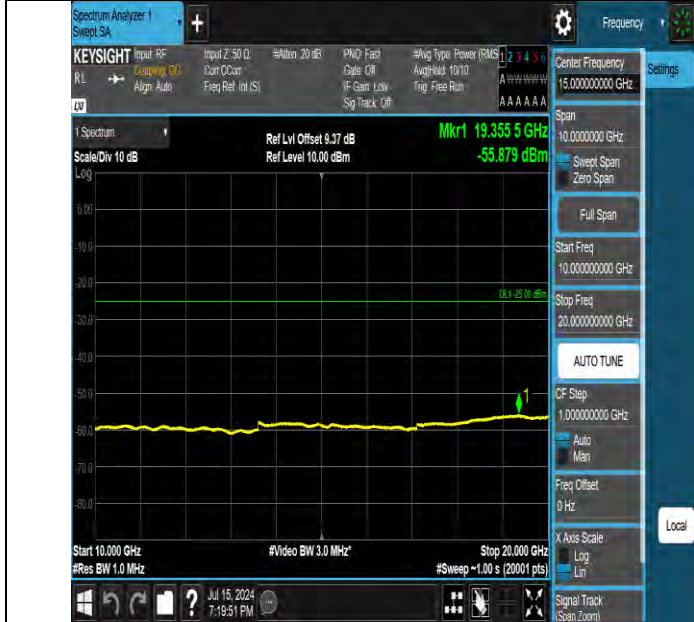


Test Report No.: W7L-240618W002RF07



Band7 15MHz QPSK 21100 1RB#0 30~1000 30~1000

Band7 15MHz QPSK 21100 1RB#0 1000~10000 1000~10000



Band7 15MHz QPSK 21100 1RB#0 10000~20000 10000~20000

Band7 15MHz QPSK 21100 1RB#0 20000~27000 20000~27000

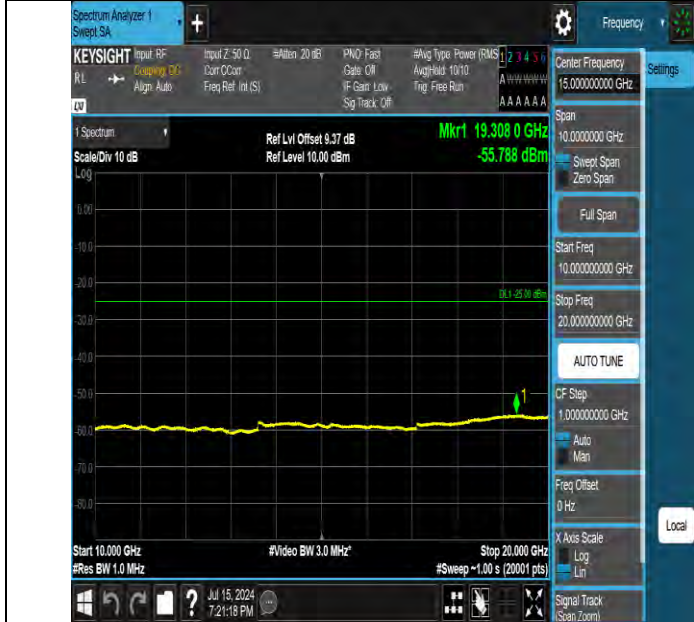


Test Report No.: W7L-240618W002RF07



Band7 15MHz QPSK 21375 1RB#0 30~1000 30~1000

Band7 15MHz QPSK 21375 1RB#0 1000~10000 1000~10000



Band7 15MHz QPSK 21375 1RB#0 10000~20000 10000~20000

Band7 15MHz QPSK 21375 1RB#0 20000~27000 20000~27000



Test Report No.: W7L-240618W002RF07



Band7 20MHz QPSK 20850 1RB#0 30~1000 30~1000

Band7 20MHz QPSK 20850 1RB#0 1000~10000 1000~10000



Band7 20MHz QPSK 20850 1RB#0 10000~20000 10000~20000

Band7 20MHz QPSK 20850 1RB#0 20000~27000 20000~27000

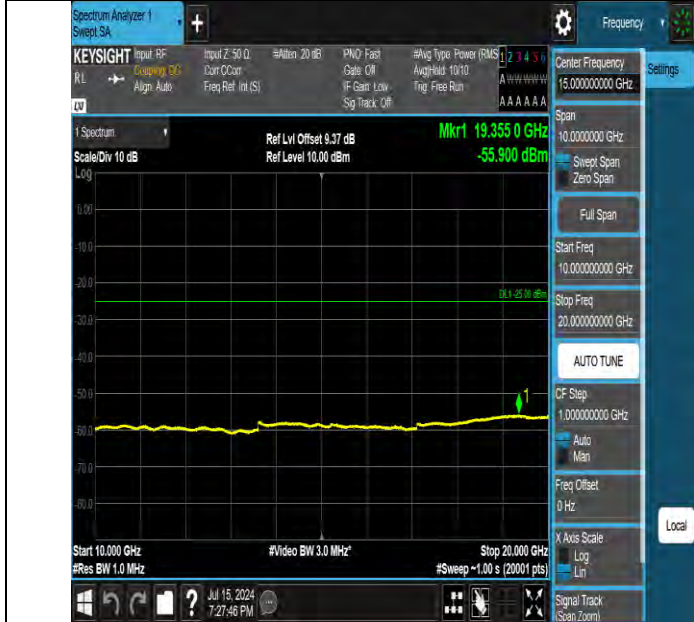


Test Report No.: W7L-240618W002RF07



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

Band7 20MHz QPSK 21100 1RB#0 1000~10000 1000~10000



Band7 20MHz QPSK 21100 1RB#0 10000~20000 10000~20000

Band7 20MHz QPSK 21100 1RB#0 20000~27000 20000~27000



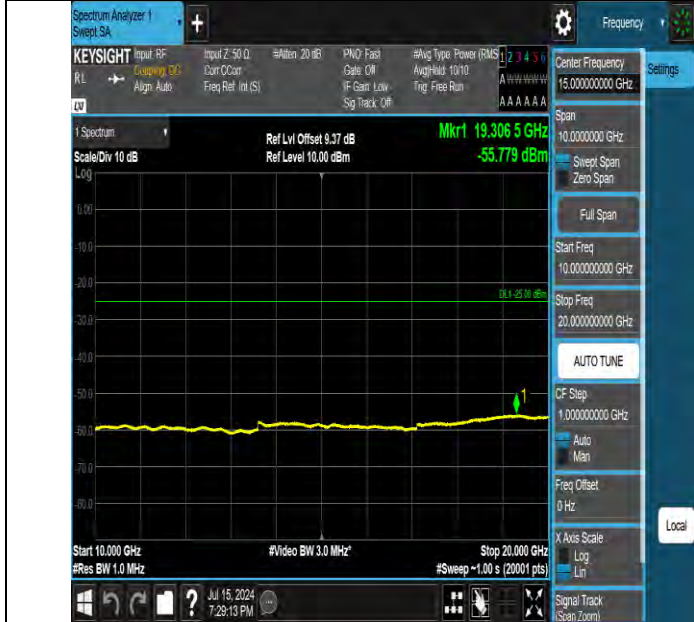
Test Report No.: W7L-240618W002RF07



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



Band7 20MHz QPSK 21350 1RB#0 1000~10000 1000~10000



Band7 20MHz QPSK 21350 1RB#0 10000~20000 10000~20000



Band7 20MHz QPSK 21350 1RB#0 20000~27000 20000~27000

FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	10MHz	QPSK	20800	50RB #0	VN	NT	-5.95	-0.002375	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	VL	NT	8.07	0.003222	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	VH	NT	6.58	0.002627	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	VN	NT	-6.29	-0.002452	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	VL	NT	-9.90	-0.003860	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	VH	NT	-6.52	-0.002542	---	---	---	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	10MHz	QPSK	20800	50RB #0	NV	-30	5.12	0.002044	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-20	6.25	0.002495	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-10	10.59	0.004228	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	0	-5.79	-0.002311	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	10	4.39	0.001752	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	20	5.65	0.002255	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	30	-7.75	-0.003094	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	40	7.04	0.002810	---	---	---	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	50	-5.11	-0.002040	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-30	-4.12	-0.001606	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-20	7.84	0.003057	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-10	-6.85	-0.002671	---	---	---	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	0	5.14	0.002	---	---	---	PASS



BUREAU
VERITAS

Test Report No.: W7L-240618W002RF07

	z			#0				004				
Band7	10MH z	QPSK	21400	50RB #0	NV	10	4.51	0.001 758	---	---	---	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	20	-7.64	-0.002 979	---	---	---	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	30	4.55	0.001 774	---	---	---	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	40	7.00	0.002 729	---	---	---	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	50	5.56	0.002 168	---	---	---	PASS



Test Report No.: W7L-240618W002RF07

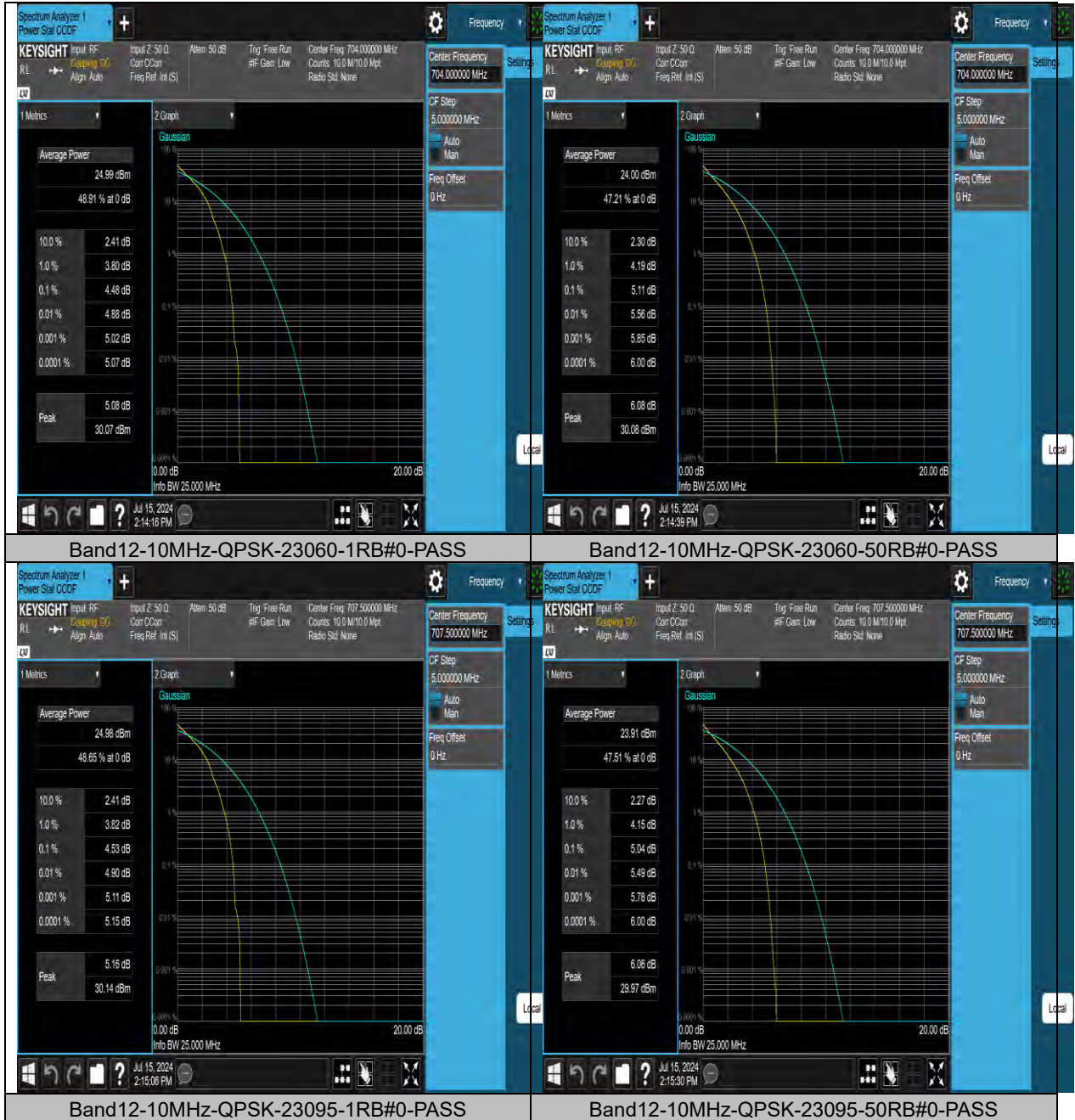
LTE BAND 12(INCLUDING LTE BAND17)

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	4.48	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.11	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.53	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.04	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.60	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.08	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.55	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.86	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.63	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.87	13	PASS

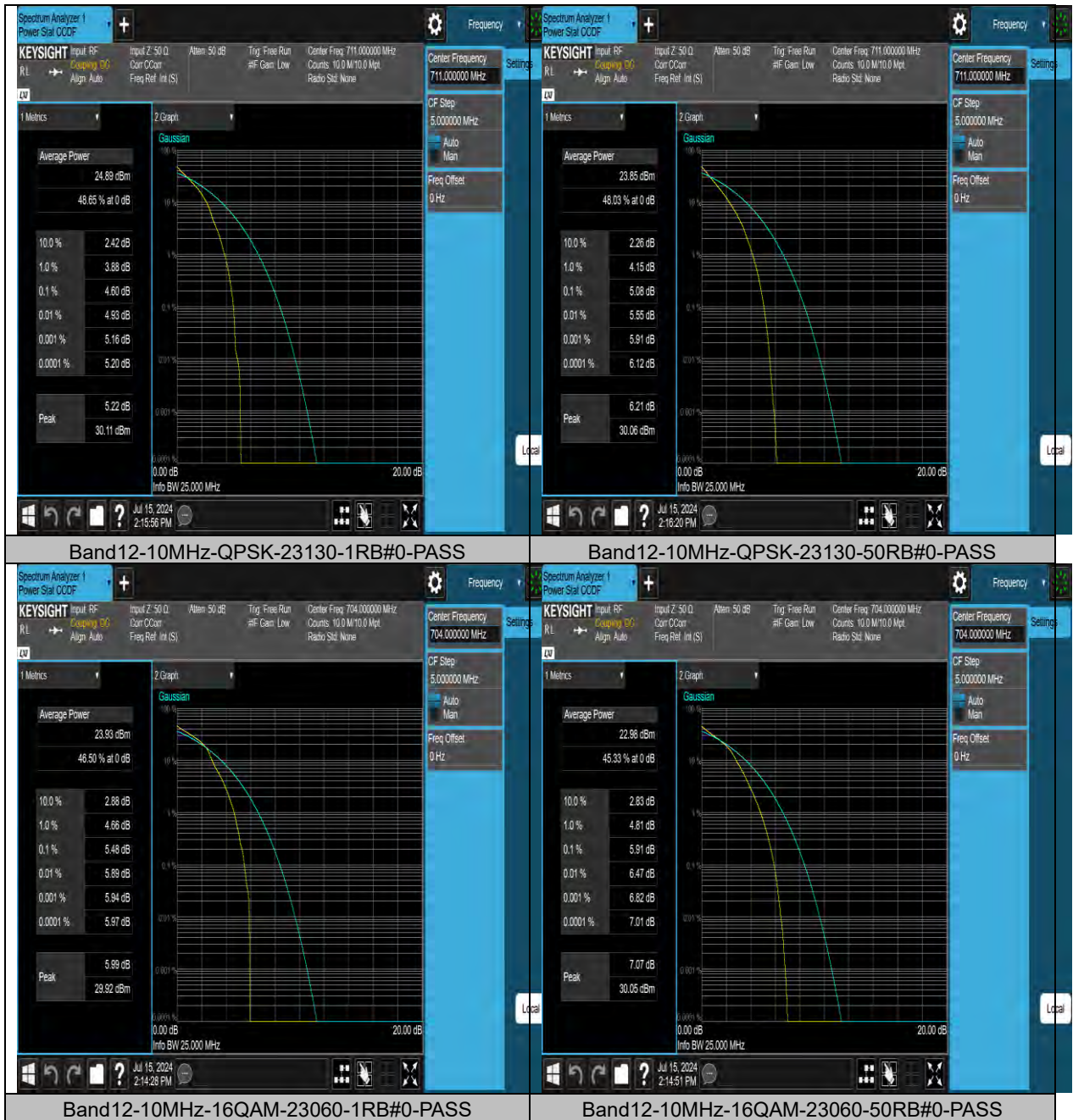
Test Graphs





BUREAU VERITAS

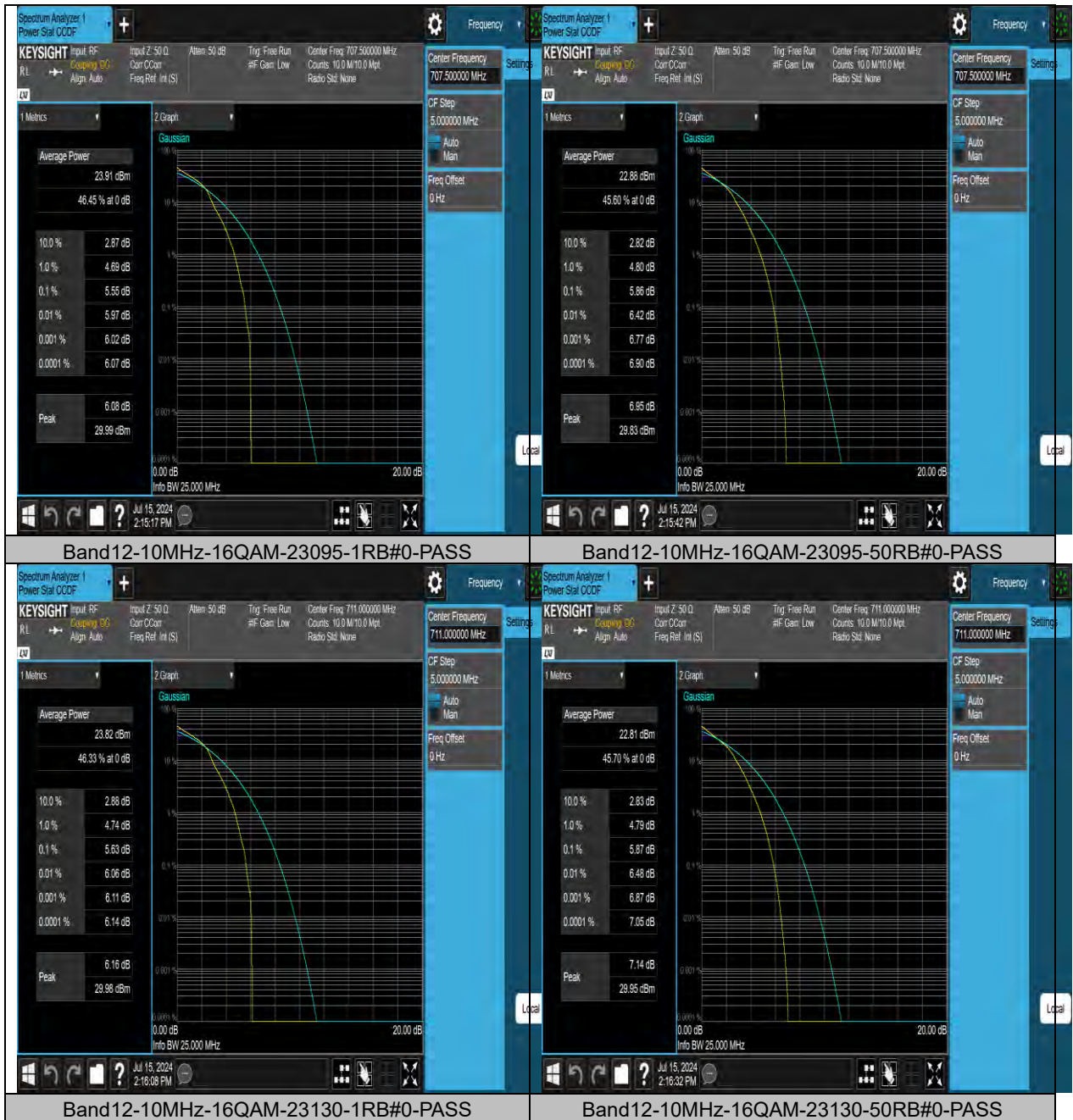
Test Report No.: W7L-240618W002RF07





BUREAU VERITAS

Test Report No.: W7L-240618W002RF07





Test Report No.: W7L-240618W002RF07

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	1.275	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0904	1.295	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0904	1.299	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0960	1.298	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0944	1.306	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0978	1.316	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6885	2.924	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6899	2.919	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6878	2.918	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6849	2.937	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6907	2.936	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6876	2.928	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5065	5.028	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5124	5.021	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5082	5.035	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4973	5.001	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5031	4.994	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4946	4.980	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0102	9.863	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0070	9.866	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0024	9.781	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9829	9.785	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9715	9.779	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9695	9.784	PASS

Test Graphs



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



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



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



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



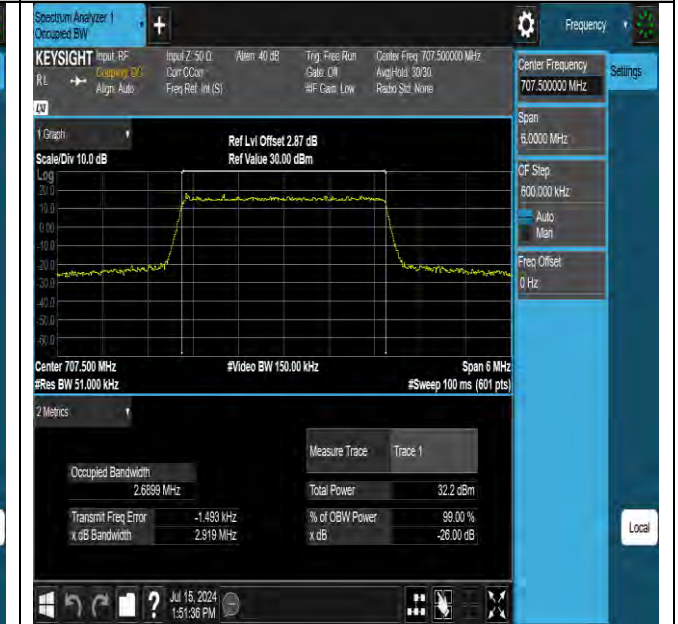
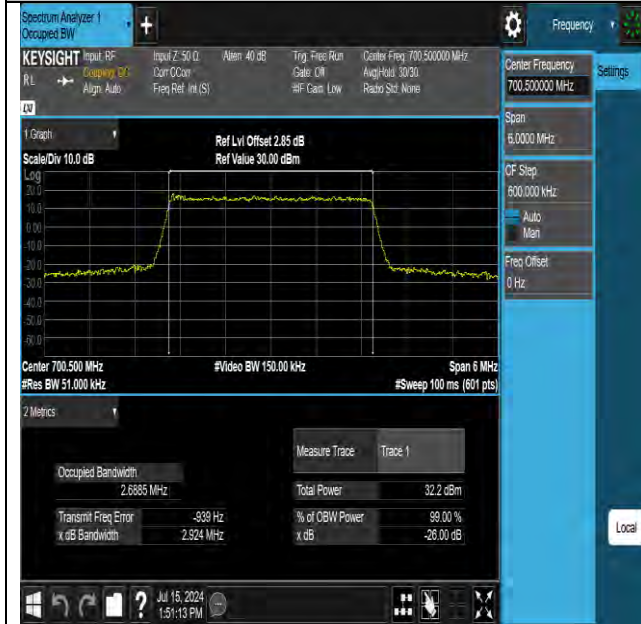
BUREAU VERITAS

Test Report No.: W7L-240618W002RF07



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

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



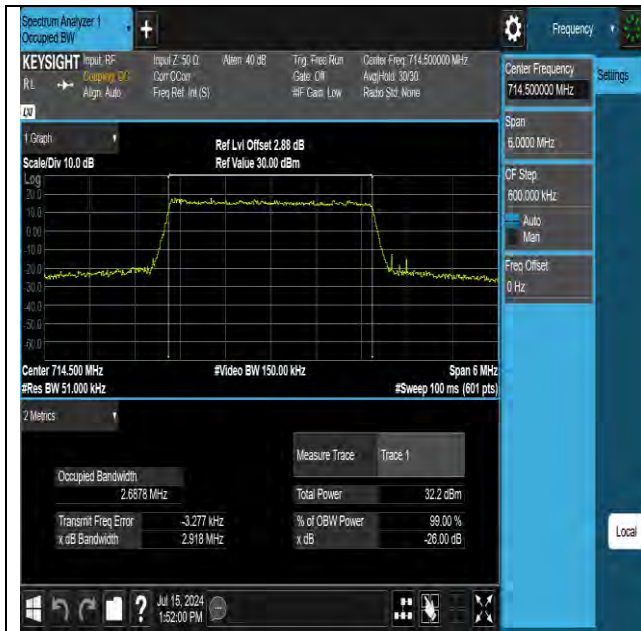
Band12-3MHz-QPSK-23025-15RB#0-PASS

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



BUREAU VERITAS

Test Report No.: W7L-240618W002RF07



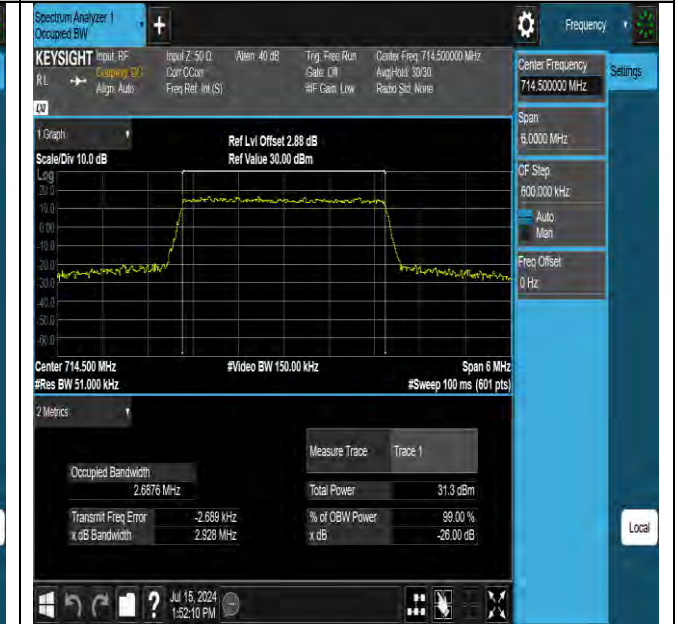
Band12-3MHz-QPSK-23165-15RB#0-PASS



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



Band12-3MHz-16QAM-23095-15RB#0-PASS

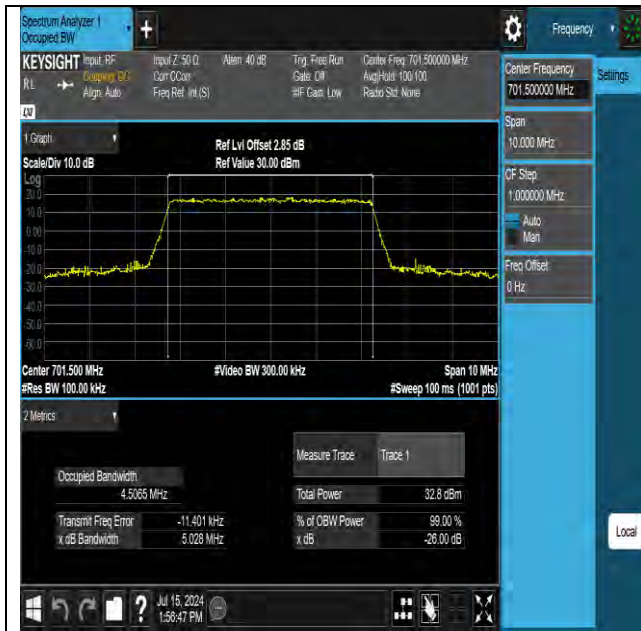


Band12-3MHz-16QAM-23165-15RB#0-PASS

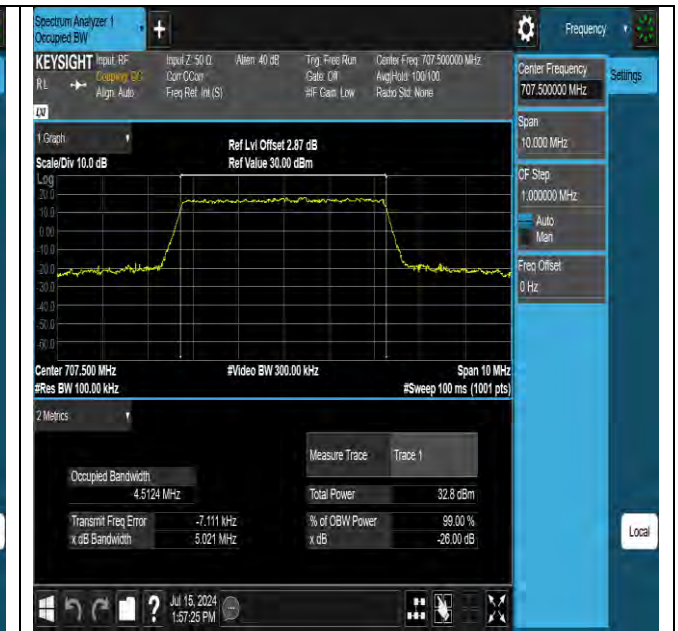


BUREAU VERITAS

Test Report No.: W7L-240618W002RF07



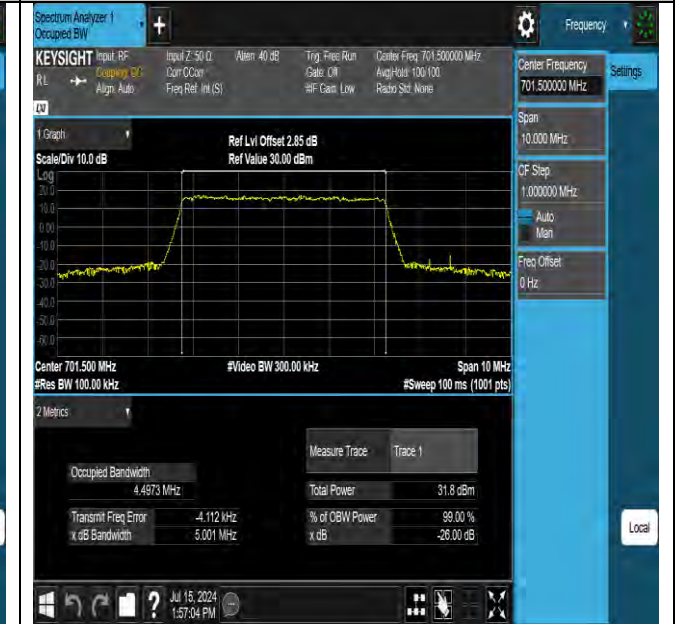
Band12-5MHz-QPSK-23035-25RB#0-PASS



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



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

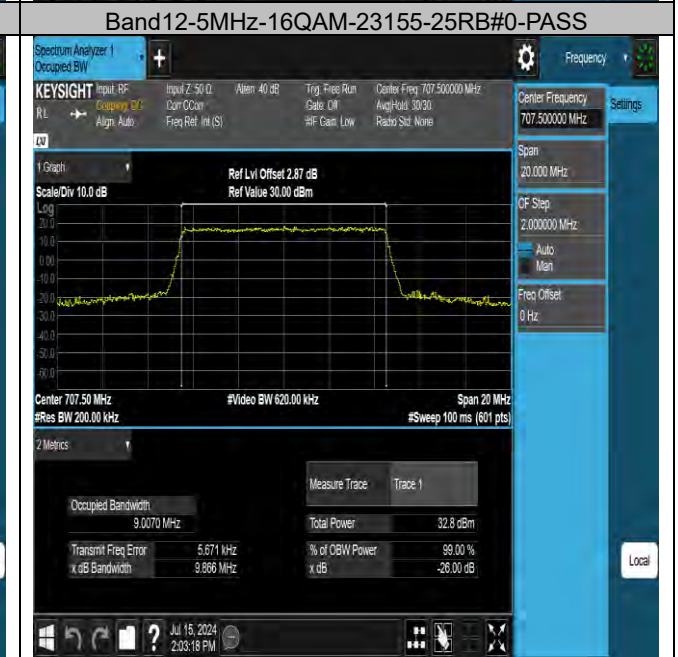
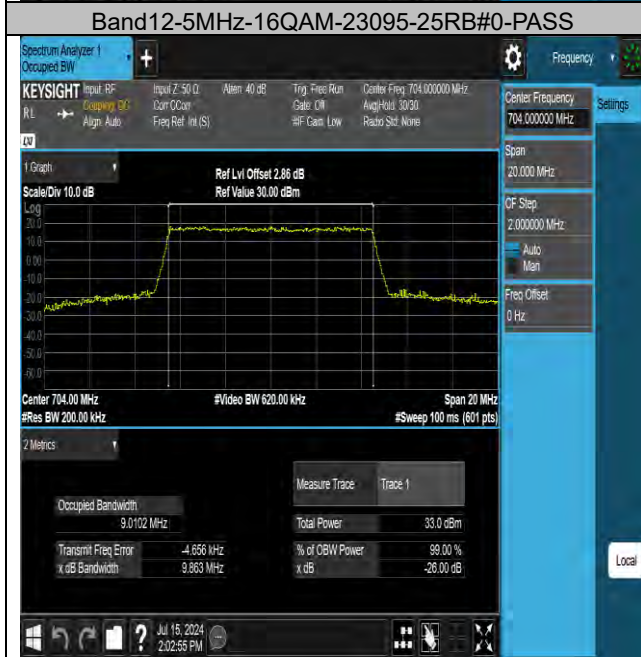
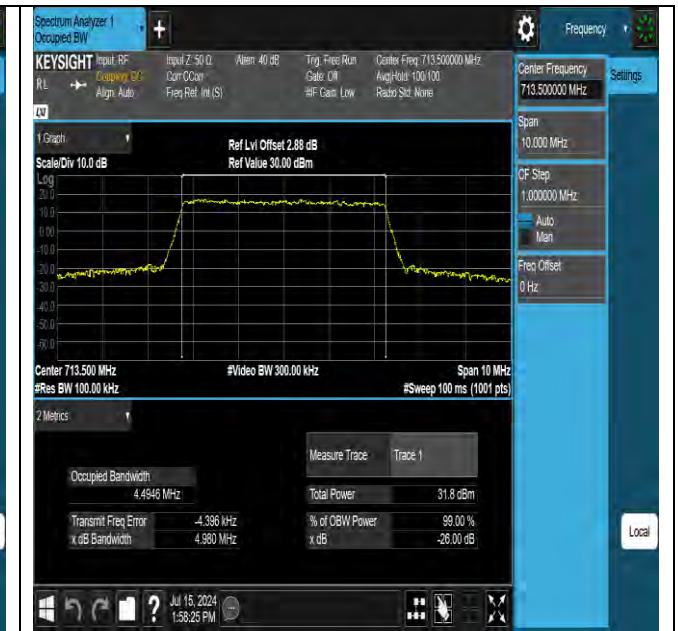


Band12-5MHz-16QAM-23035-25RB#0-PASS



BUREAU VERITAS

Test Report No.: W7L-240618W002RF07



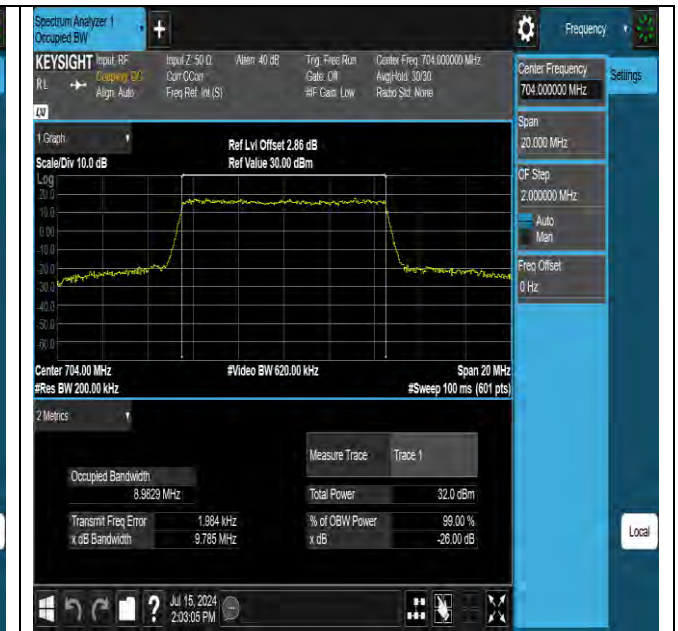


BUREAU VERITAS

Test Report No.: W7L-240618W002RF07



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



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



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



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



Test Report No.: W7L-240618W002RF07

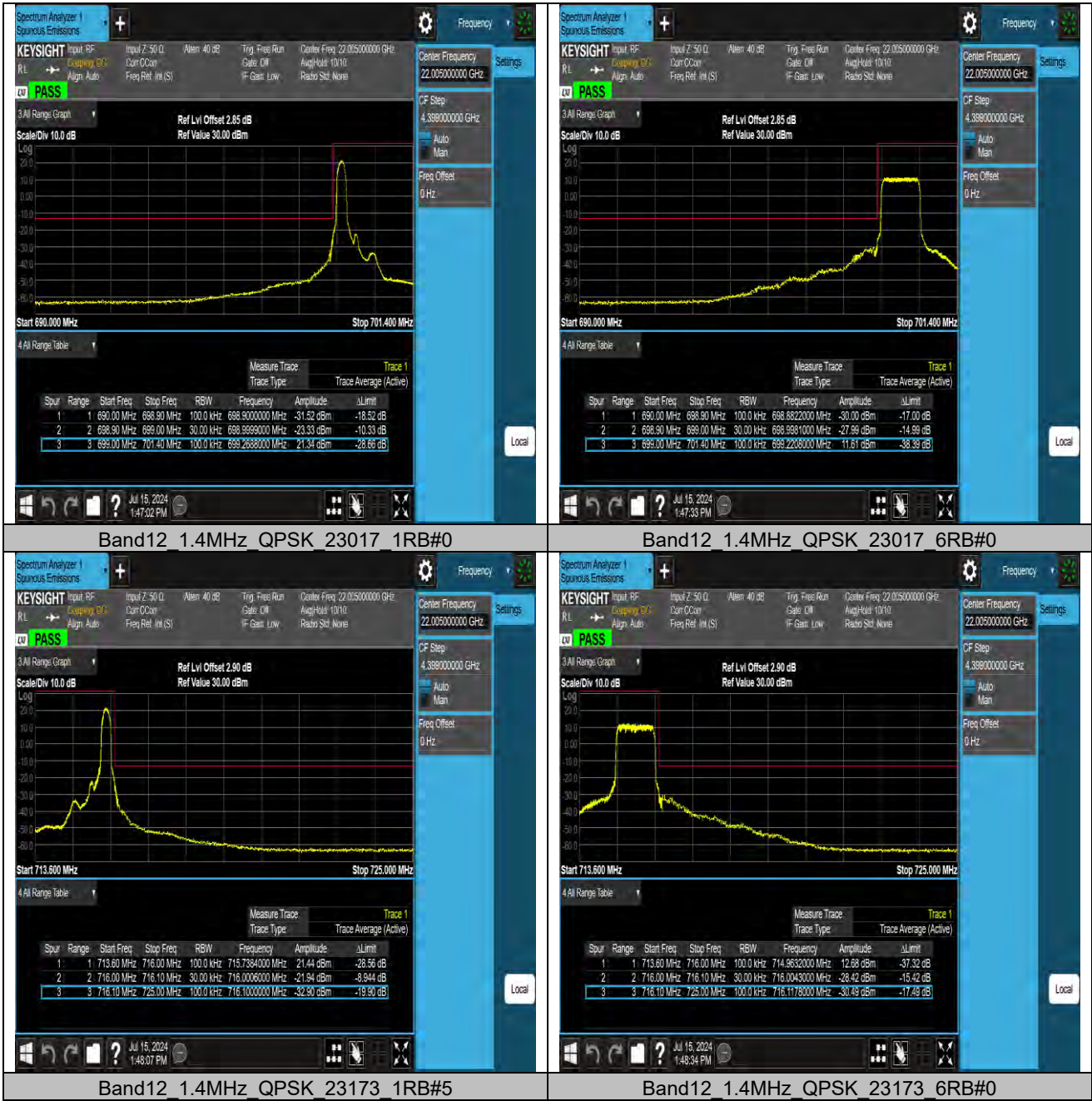
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-23.33	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-27.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-21.94	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-28.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-22.88	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-29.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-20.57	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-29.27	PASS
Band12	3MHz	QPSK	23025	1RB#0	-23.02	PASS
Band12	3MHz	QPSK	23025	15RB#0	-32.47	PASS
Band12	3MHz	QPSK	23165	1RB#14	-21.20	PASS
Band12	3MHz	QPSK	23165	15RB#0	-33.14	PASS
Band12	3MHz	16QAM	23025	1RB#0	-24.57	PASS
Band12	3MHz	16QAM	23025	15RB#0	-34.86	PASS
Band12	3MHz	16QAM	23165	1RB#14	-23.64	PASS
Band12	3MHz	16QAM	23165	15RB#0	-34.73	PASS
Band12	5MHz	QPSK	23035	1RB#0	-23.75	PASS
Band12	5MHz	QPSK	23035	25RB#0	-34.21	PASS
Band12	5MHz	QPSK	23155	1RB#24	-22.86	PASS
Band12	5MHz	QPSK	23155	25RB#0	-34.03	PASS
Band12	5MHz	16QAM	23035	1RB#0	-25.72	PASS
Band12	5MHz	16QAM	23035	25RB#0	-35.96	PASS
Band12	5MHz	16QAM	23155	1RB#24	-22.93	PASS
Band12	5MHz	16QAM	23155	25RB#0	-36.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	-30.81	PASS
Band12	10MHz	QPSK	23060	50RB#0	-35.19	PASS
Band12	10MHz	QPSK	23130	1RB#49	-29.83	PASS
Band12	10MHz	QPSK	23130	50RB#0	-37.40	PASS
Band12	10MHz	16QAM	23060	1RB#0	-31.94	PASS
Band12	10MHz	16QAM	23060	50RB#0	-37.79	PASS
Band12	10MHz	16QAM	23130	1RB#49	-31.16	PASS
Band12	10MHz	16QAM	23130	50RB#0	-40.09	PASS



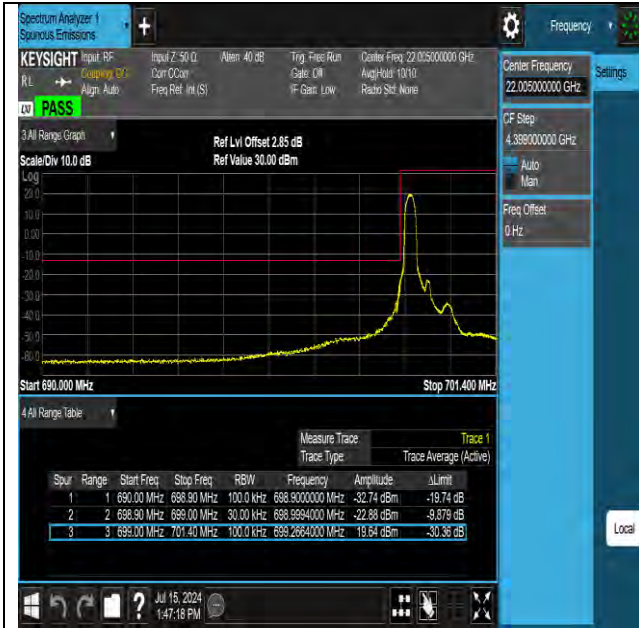
Test Graphs





**BUREAU
VERITAS**

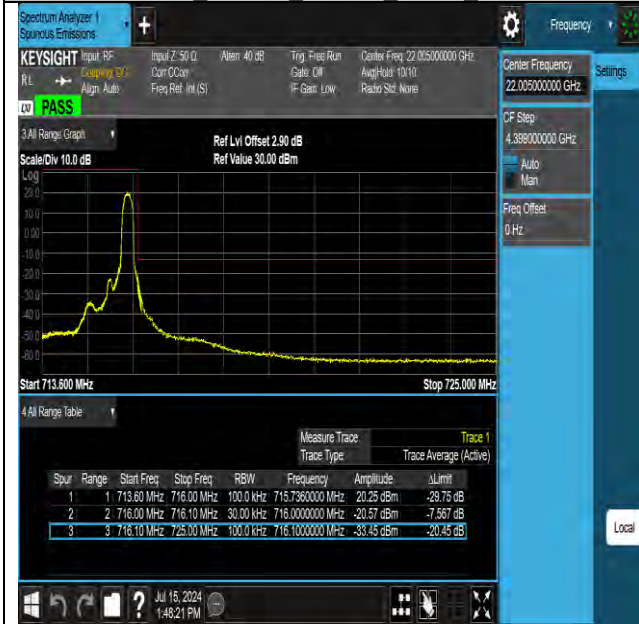
Test Report No.: W7L-240618W002RF07



Band12 1.4MHz 16QAM 23017 1RB#0



Band12 1.4MHz 16QAM 23017 6RB#0



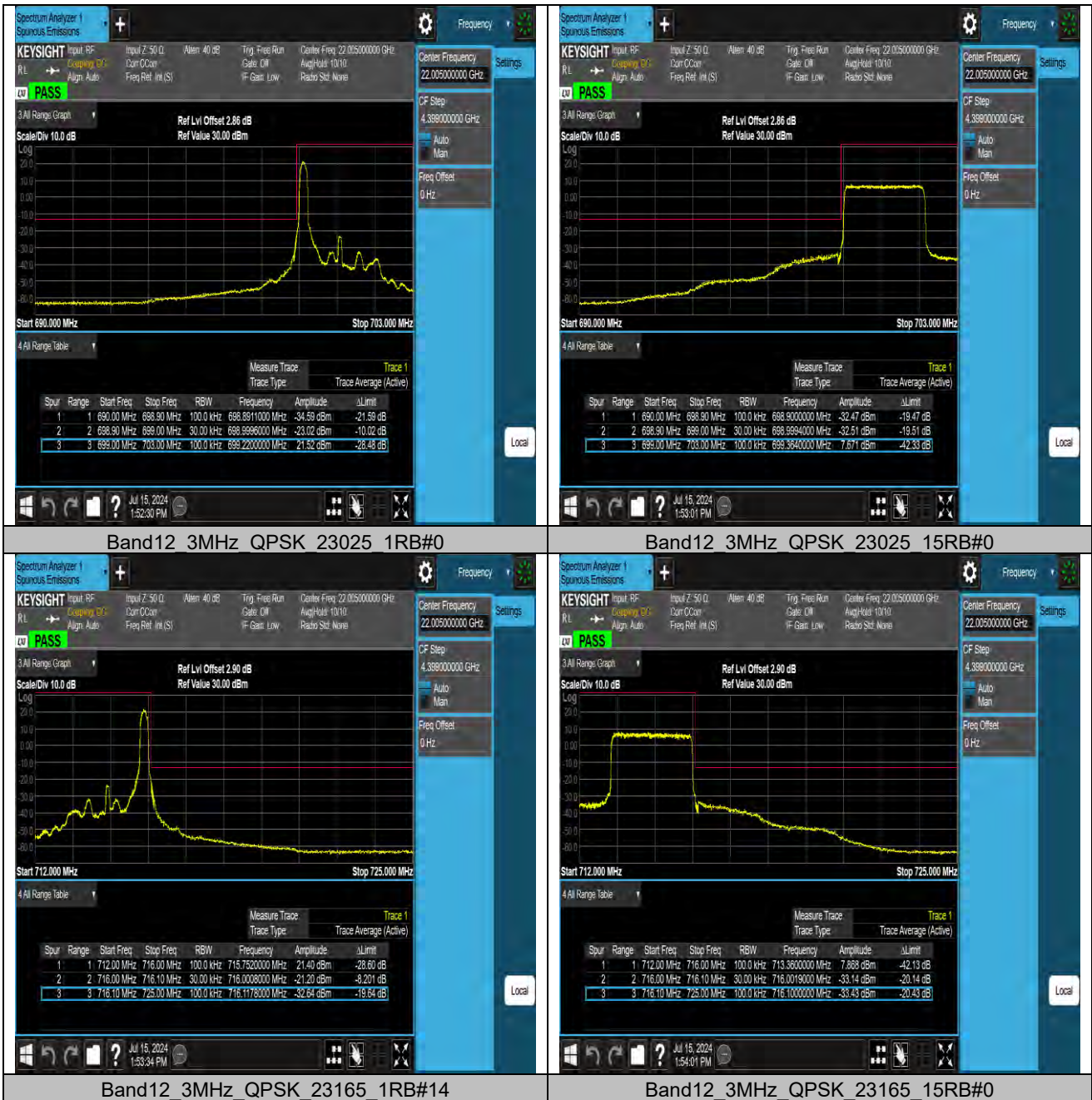
Band12 1.4MHz 16QAM 23173 1RB#5



Band12 1.4MHz 16QAM 23173 6RB#0

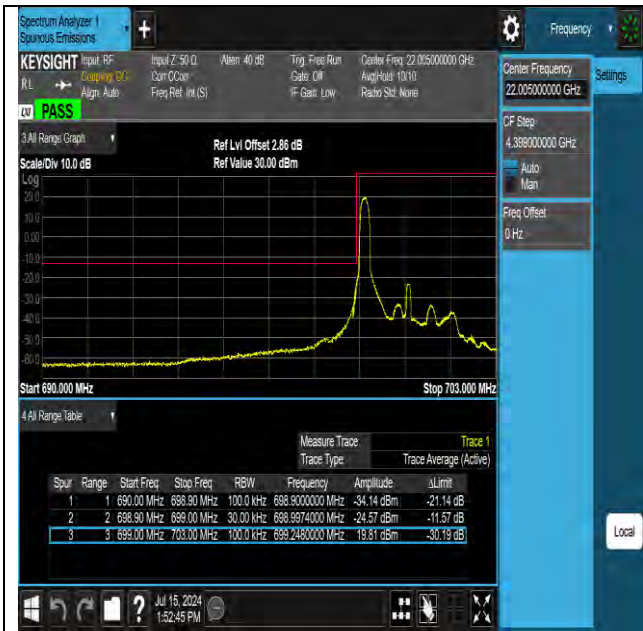


Test Report No.: W7L-240618W002RF07





Test Report No.: W7L-240618W002RF07



Band12 3MHz 16QAM 23025 1RB#0



Band12 3MHz 16QAM 23025 15RB#0



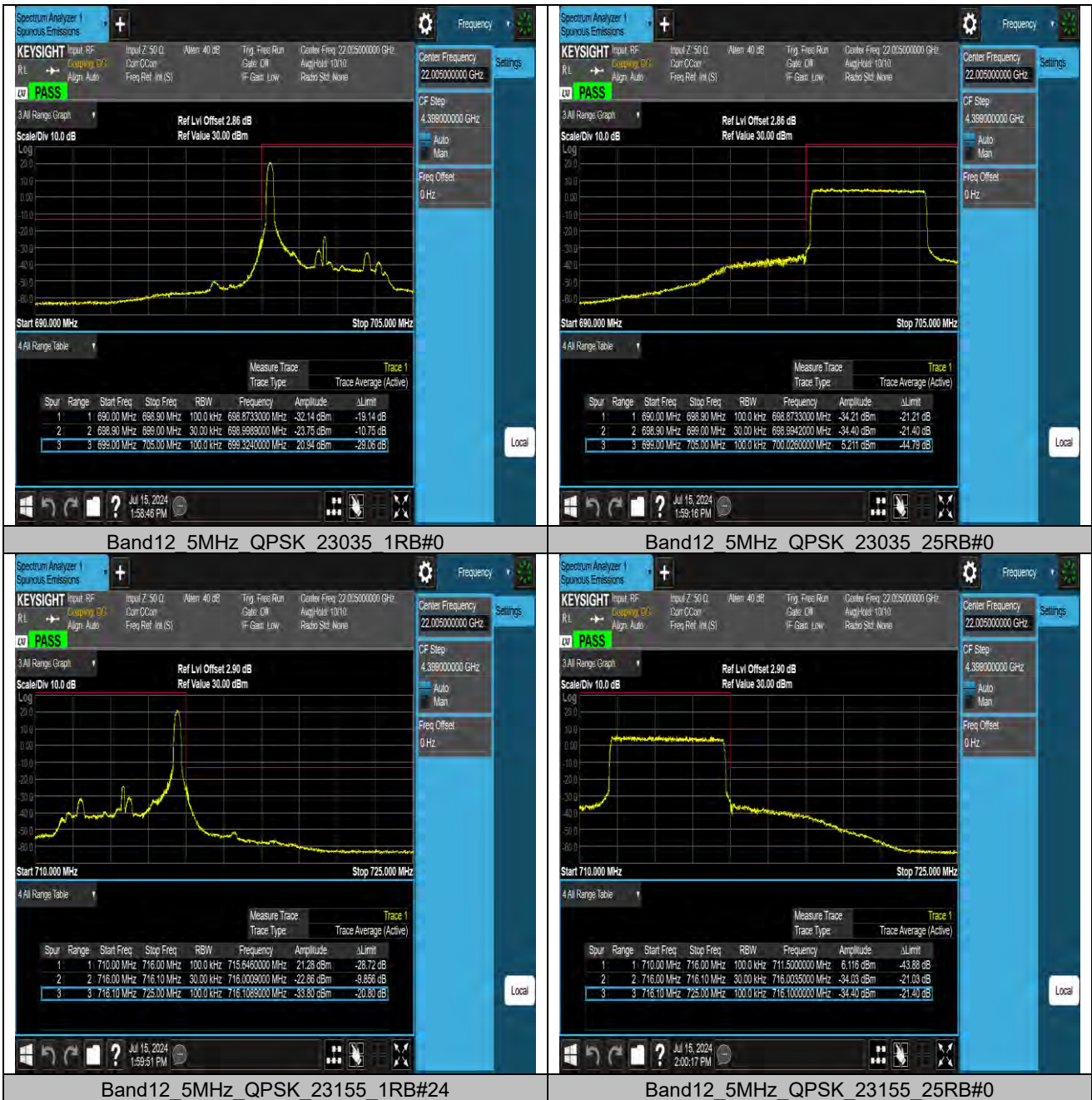
Band12 3MHz 16QAM 23165 1RB#14



Band12 3MHz 16QAM 23165 15RB#0

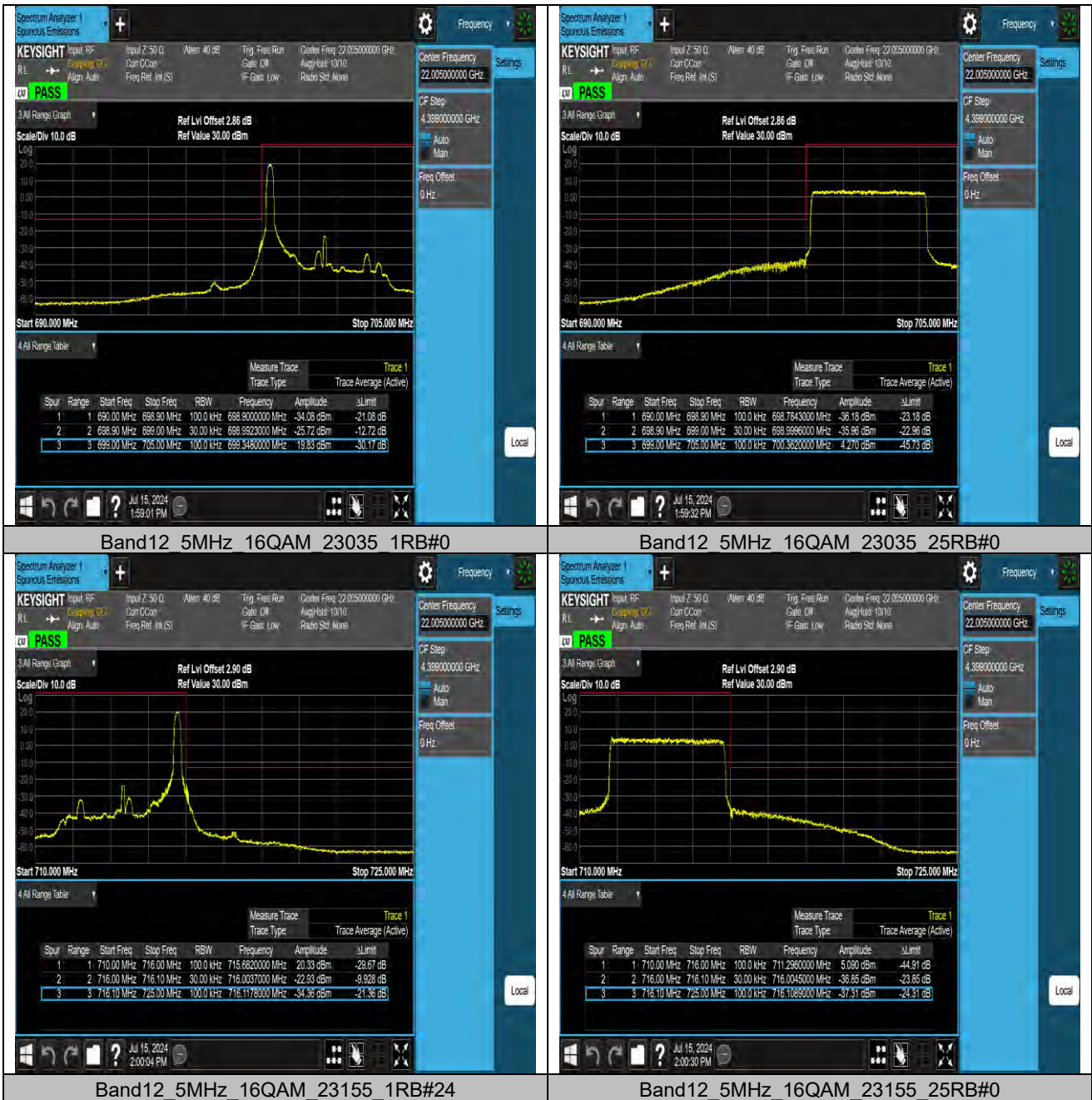


Test Report No.: W7L-240618W002RF07



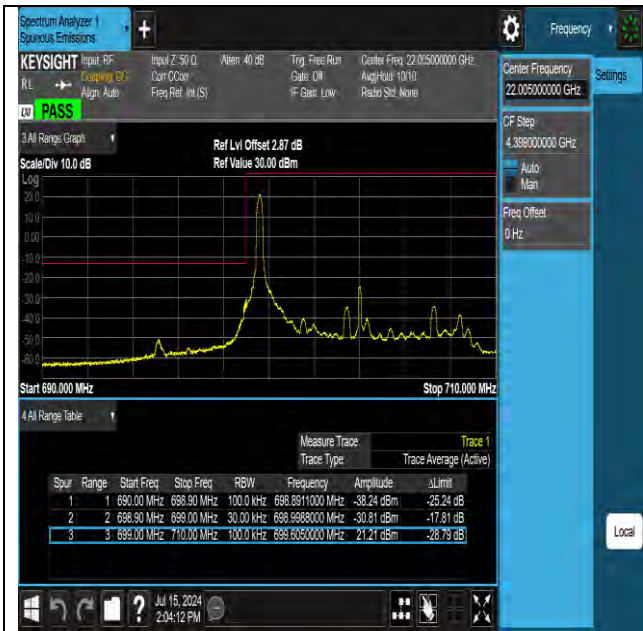


Test Report No.: W7L-240618W002RF07

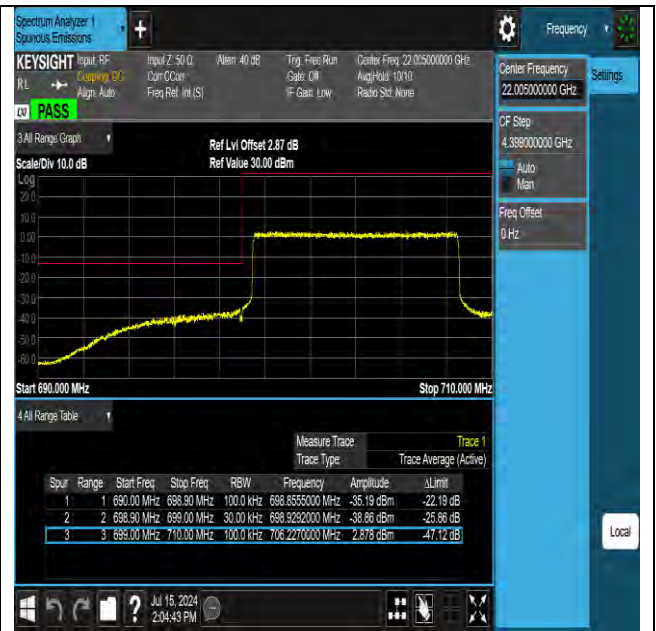




Test Report No.: W7L-240618W002RF07



Band12 10MHz QPSK 23060 1RB#0



Band12 10MHz QPSK 23060 50RB#0



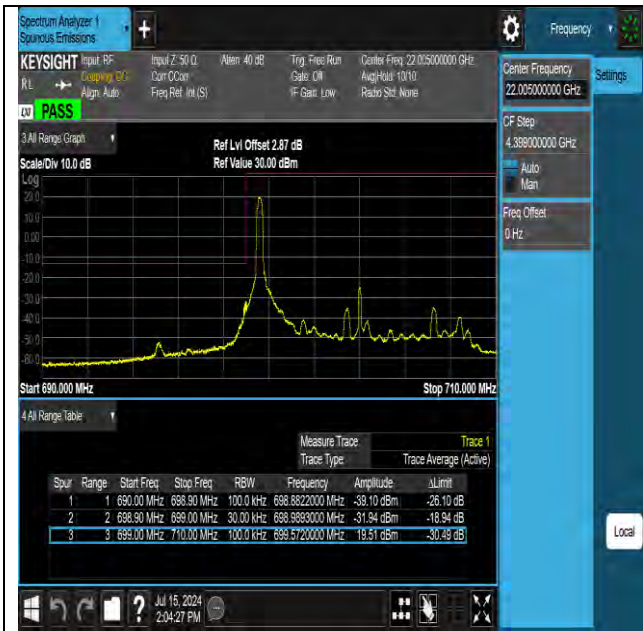
Band12 10MHz QPSK 23130 1RB#49



Band12 10MHz QPSK 23130 50RB#0



Test Report No.: W7L-240618W002RF07



Band12 10MHz 16QAM 23060 1RB#0



Band12 10MHz 16QAM 23060 50RB#0



Band12 10MHz 16QAM 23130 1RB#49



Band12 10MHz 16QAM 23130 50RB#0



Test Report No.: W7L-240618W002RF07

CONDUCTED SPURIOUS EMISSION

Test Result

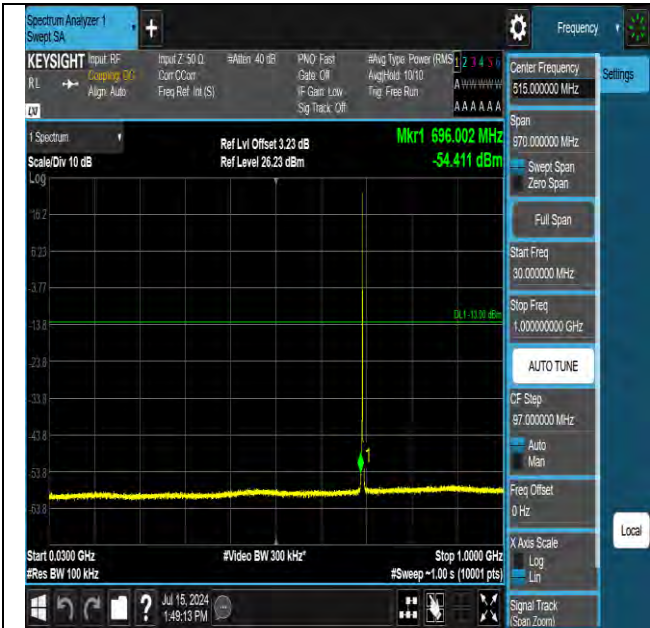
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-54.41	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~10000	-38.52	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-54.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~10000	-38.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-54.08	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~10000	-38.54	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-57.06	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~10000	-38.63	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-56.26	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~10000	-38.54	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-57.51	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~10000	-38.39	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-56.79	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~10000	-38.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-57.34	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~10000	-38.56	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-57.37	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~10000	-38.56	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-57.23	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~10000	-38.46	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-57.41	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~10000	-38.58	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-57.53	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~10000	-38.51	PASS



BUREAU VERITAS

Test Report No.: W7L-240618W002RF07

Test Graphs



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

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

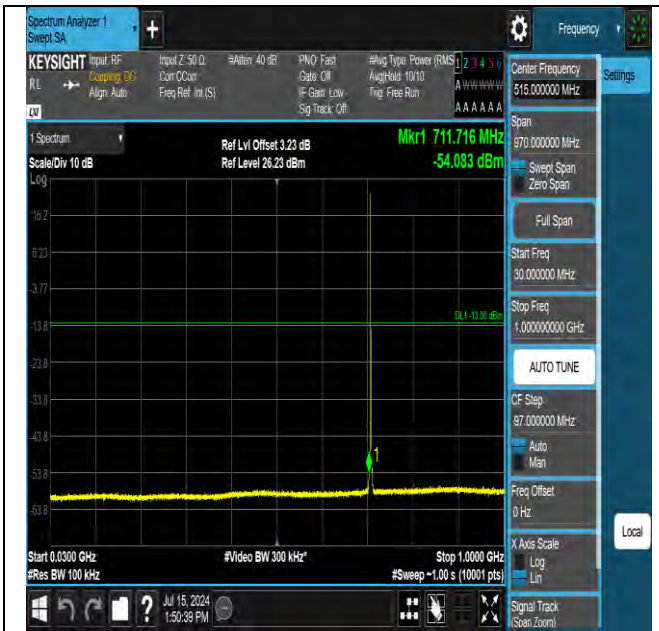


Band12 1.4MHz QPSK 23095 1RB#0 30~1000 30~1000

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



Test Report No.: W7L-240618W002RF07



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

Band12 1.4MHz QPSK 23173 1RB#0 1000~10000 1000~10000

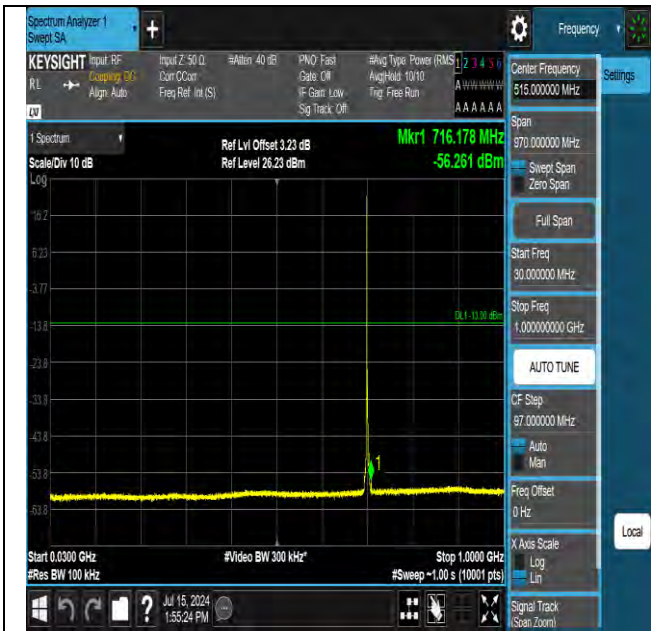


Band12 3MHz QPSK 23025 1RB#0 30~1000 30~1000

Band12 3MHz QPSK 23025 1RB#0 1000~10000 1000~10000



Test Report No.: W7L-240618W002RF07



Band12 3MHz QPSK 23095 1RB#0 30~1000 30~1000

Band12 3MHz QPSK 23095 1RB#0 1000~10000 1000~10000



Band12 3MHz QPSK 23165 1RB#0 30~1000 30~1000

Band12 3MHz QPSK 23165 1RB#0 1000~10000 1000~10000

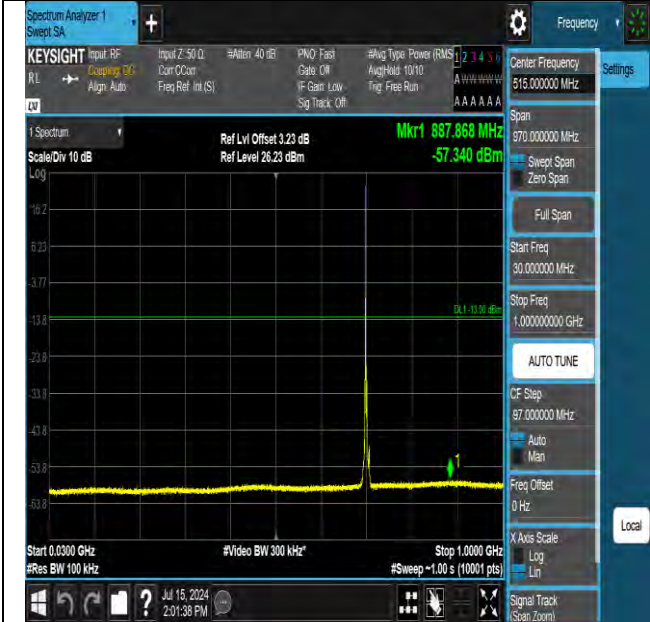


Test Report No.: W7L-240618W002RF07



Band12 5MHz QPSK 23035 1RB#0 30~1000 30~1000

Band12 5MHz QPSK 23035 1RB#0 1000~10000 1000~10000

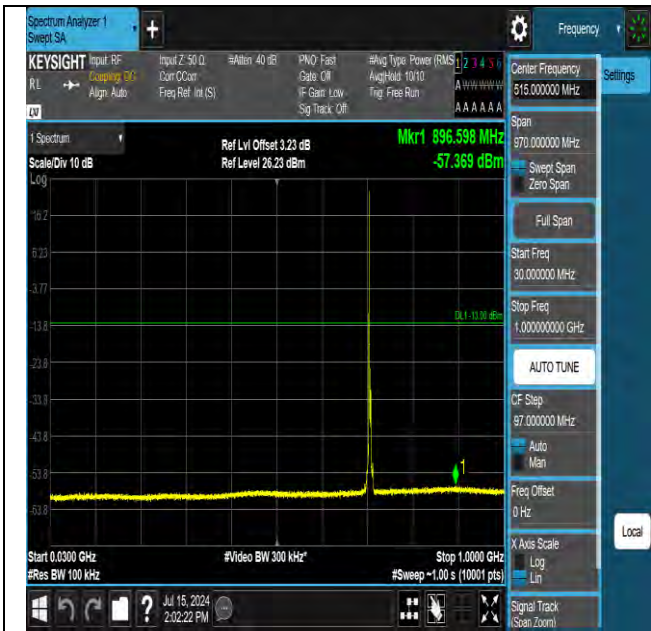


Band12 5MHz QPSK 23095 1RB#0 30~1000 30~1000

Band12 5MHz QPSK 23095 1RB#0 1000~10000 1000~10000



Test Report No.: W7L-240618W002RF07



Band12 5MHz QPSK 23155 1RB#0 30~1000 30~1000

Band12 5MHz QPSK 23155 1RB#0 1000~10000 1000~10000



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

Band12 10MHz QPSK 23060 1RB#0 1000~10000 1000~10000

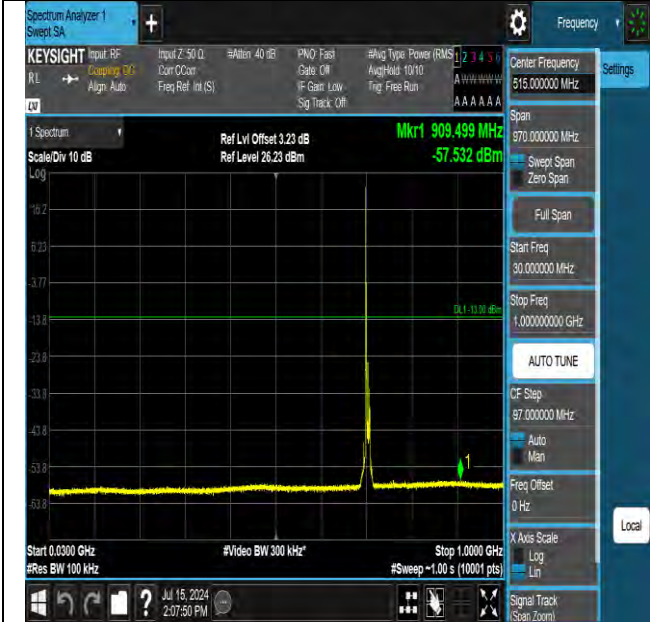


Test Report No.: W7L-240618W002RF07



Band12 10MHz QPSK 23095 1RB#0 30~1000 30~1000

Band12 10MHz QPSK 23095 1RB#0 1000~10000 1000~10000



Band12 10MHz QPSK 23130 1RB#0 30~1000 30~1000

Band12 10MHz QPSK 23130 1RB#0 1000~10000 1000~10000

FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 2	10MHz	QPSK	23060	50RB #0	VN	NT	-1074. 16	-1.525 799	699.5 2747	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	VL	NT	1176. 95	1.671 804	699.5 2022	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	VH	NT	-1345. 33	-1.910 981	699.5 2552	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VN	NT	973.5 1	1.369 206	---	715.4 6169	698-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VL	NT	-1212. 30	-1.705 059	---	715.4 5885	698-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	VH	NT	-1295. 29	-1.821 782	---	715.4 666	698-7 16	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-30	-1019. 53	-1.448 191	699.5 2607	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-20	1193. 04	1.694 652	699.5 3322	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	-10	-1199. 18	-1.703 382	699.5 2485	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	0	-1230. 72	-1.748 185	699.5 2411	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	10	1207. 59	1.715 326	699.5 252	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	20	-1272. 28	-1.807 220	699.5 2762	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	30	1261. 09	1.791 321	699.5 2518	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	40	1179. 65	1.675 645	699.5 3031	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23060	50RB #0	NV	50	-1169. 34	-1.660 994	699.5 2034	---	698-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-30	930.4 0	1.308 576	---	715.4 6288	698-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-20	-1063. 96	-1.496 423	---	715.4 635	698-7 16	PASS
Band1 2	10MHz	QPSK	23130	50RB #0	NV	-10	-1100. 46	-1.547 763	---	715.4 6168	698-7 16	PASS
Band1	10MHz	QPSK	23130	50RB	NV	0	1047.	1.473	---	715.4	698-7	PASS



BUREAU
VERITAS

Test Report No.: W7L-240618W002RF07

2	z			#0			80	702		6576	16	
Band1 2	10MH z	QPSK	23130	50RB #0	NV	10	928.8 8	1.306 443	---	715.4 5761	698-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	20	-392.7 0	-0.552 315	---	715.4 5799	698-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	30	-384.2 5	-0.540 435	---	715.4 6035	698-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	40	-1126. 60	-1.584 523	---	715.4 6182	698-7 16	PASS
Band1 2	10MH z	QPSK	23130	50RB #0	NV	50	-1371. 95	-1.929 609	---	715.4 6562	698-7 16	PASS



Test Report No.: W7L-240618W002RF07

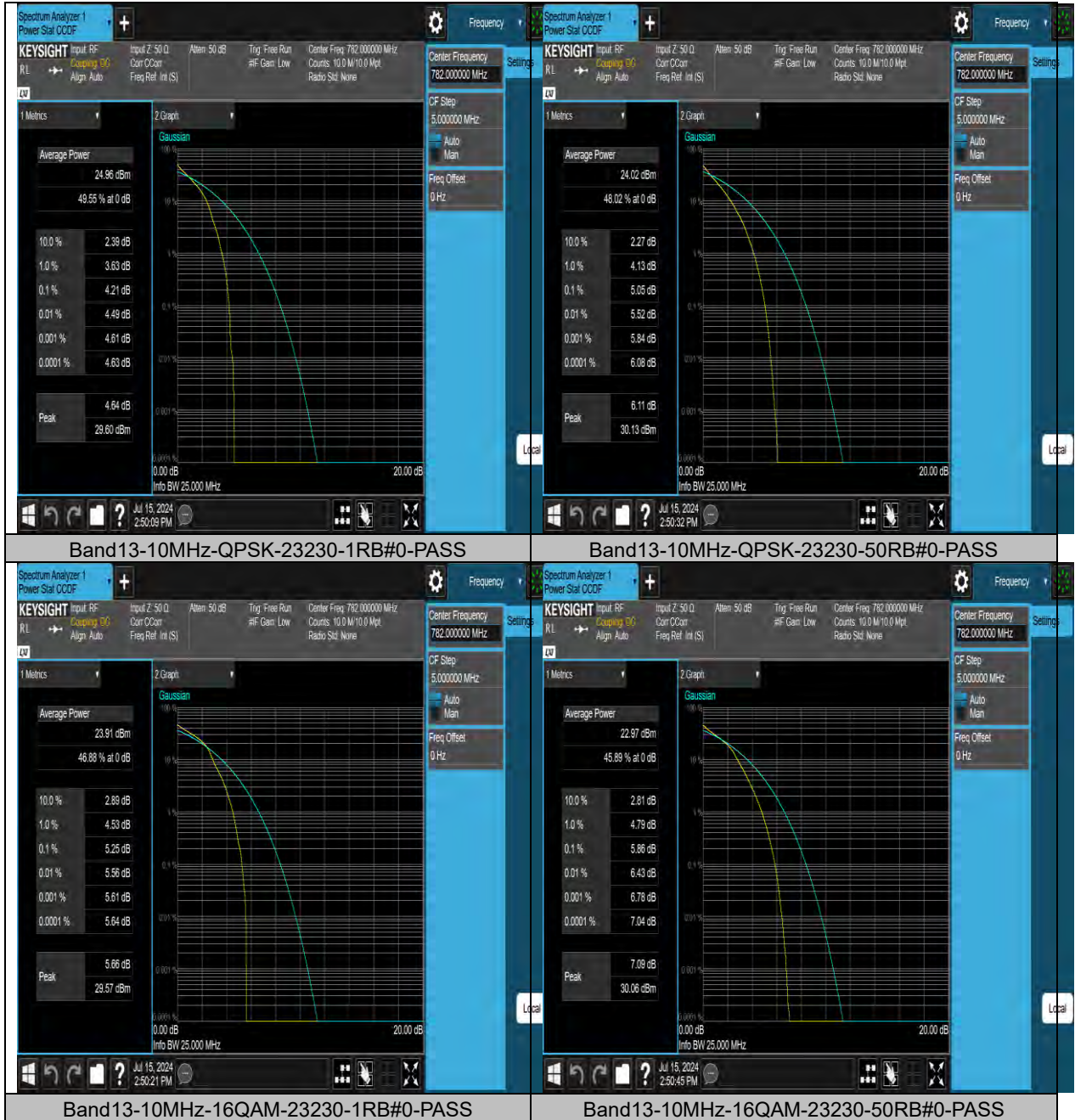
LTE BAND 13

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.21	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.05	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.25	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.86	13	PASS

Test Graphs





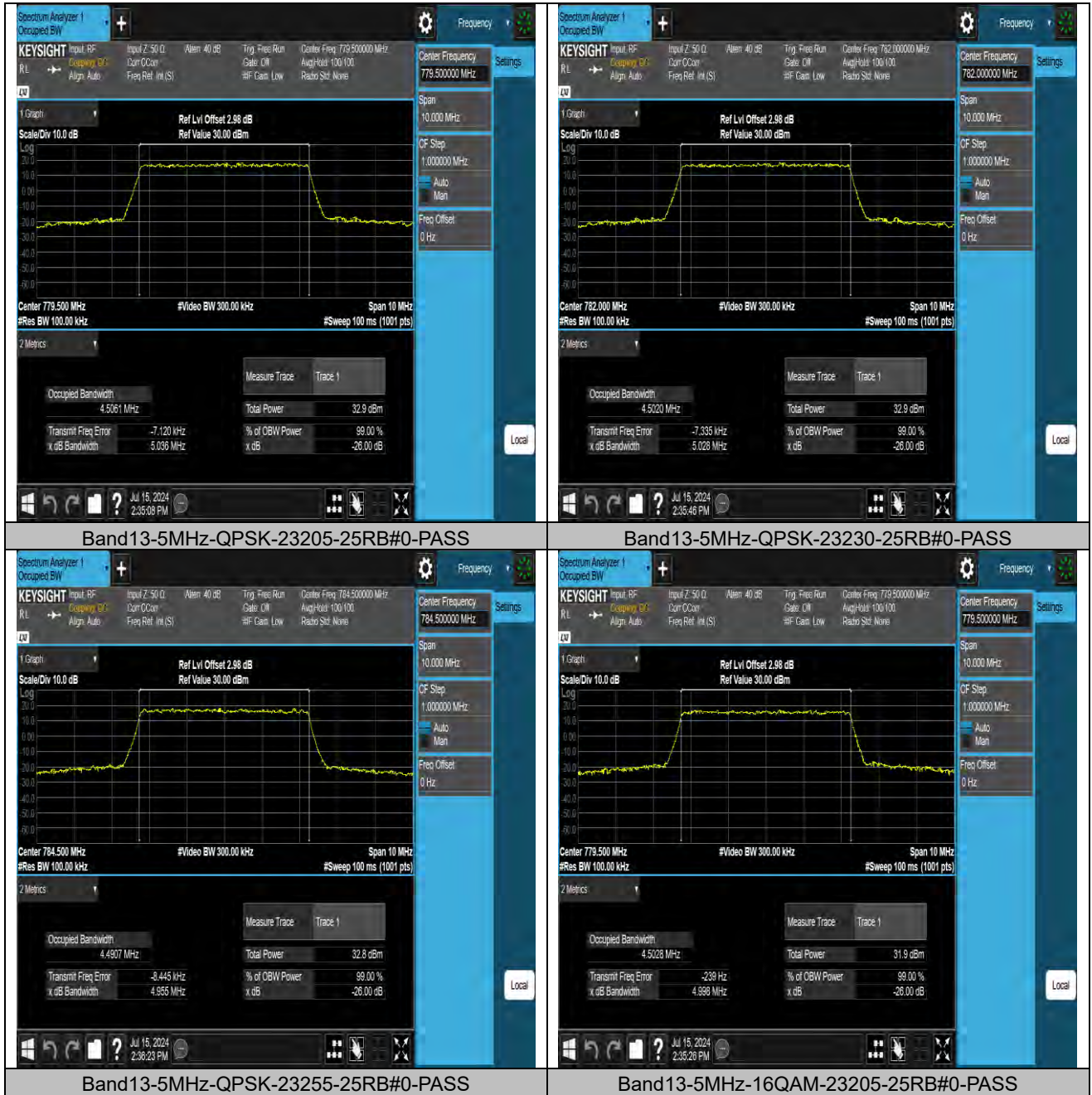
Test Report No.: W7L-240618W002RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5061	5.036	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5020	5.028	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4907	4.955	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5028	4.998	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5020	4.996	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4905	4.956	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9937	9.826	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9644	9.797	PASS

Test Graphs



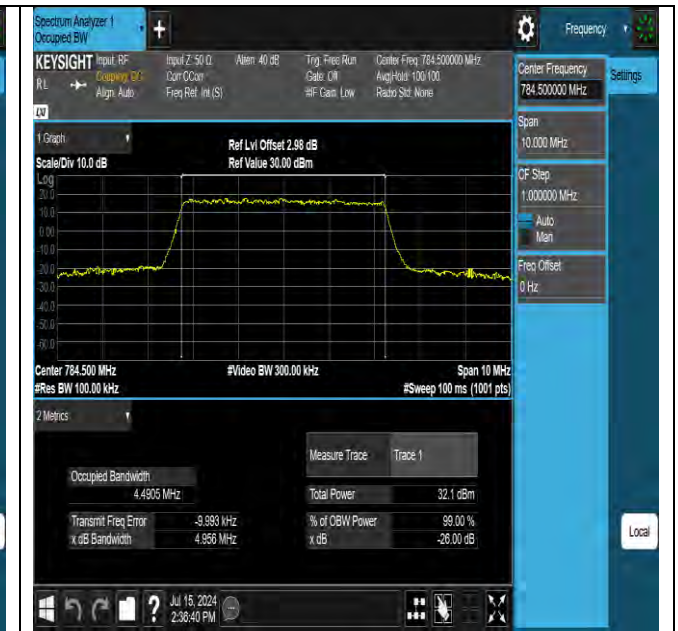


BUREAU VERITAS

Test Report No.: W7L-240618W002RF07



Band13-5MHz-16QAM-23230-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS

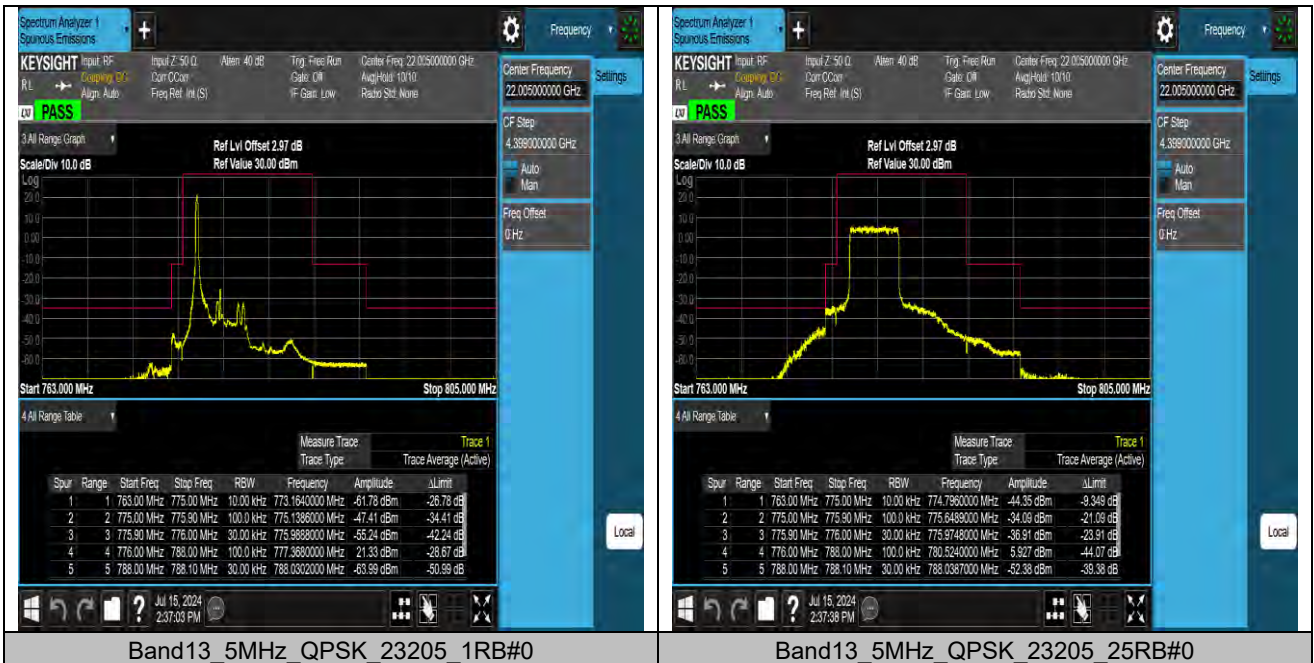


BAND EDGE

Test Result

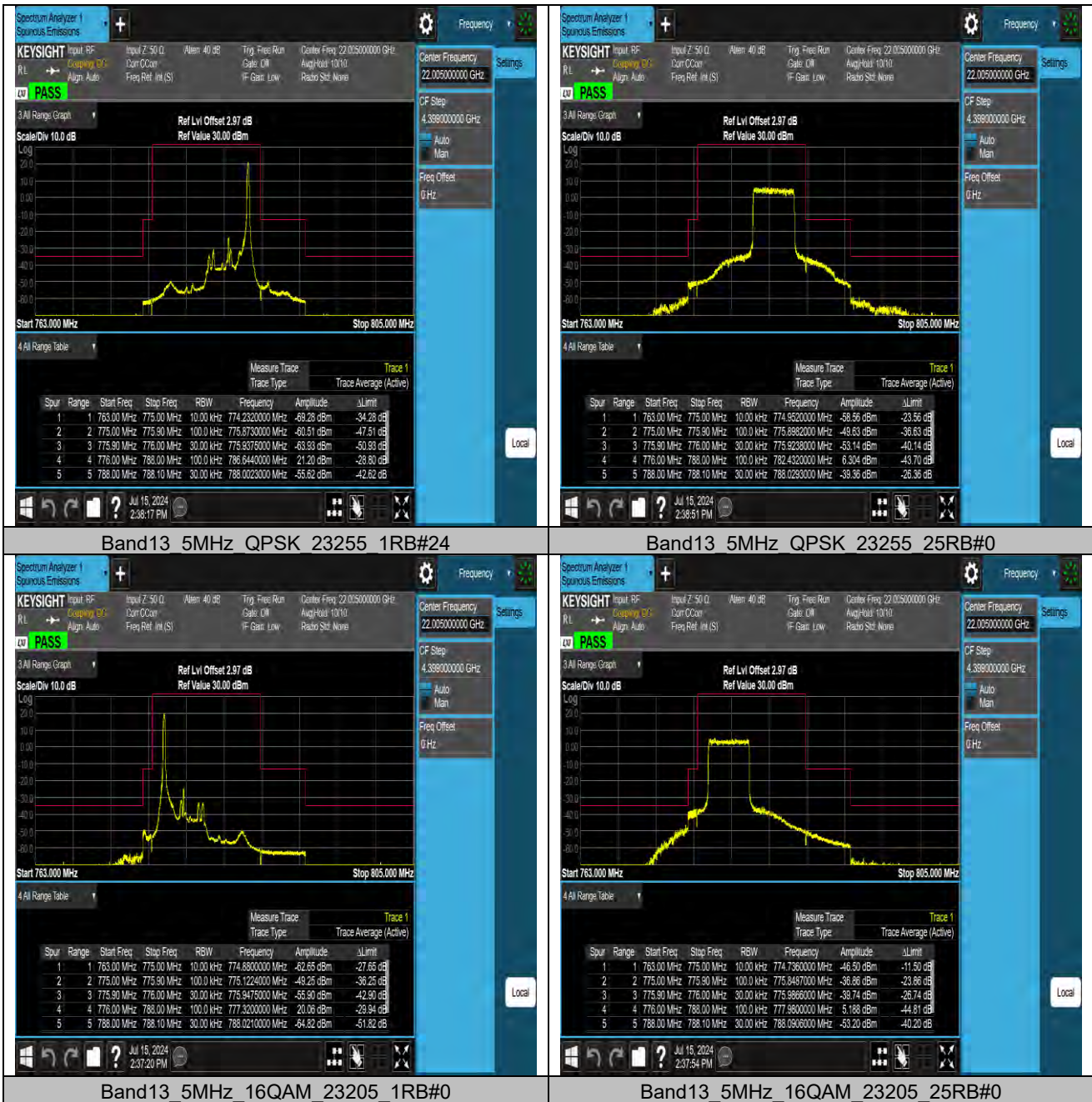
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-61.78	PASS
Band13	5MHz	QPSK	23205	25RB#0	-44.35	PASS
Band13	5MHz	QPSK	23255	1RB#24	-69.18	PASS
Band13	5MHz	QPSK	23255	25RB#0	-35.43	PASS
Band13	5MHz	16QAM	23205	1RB#0	-62.65	PASS
Band13	5MHz	16QAM	23205	25RB#0	-46.50	PASS
Band13	5MHz	16QAM	23255	1RB#24	-68.45	PASS
Band13	5MHz	16QAM	23255	25RB#0	-60.19	PASS
Band13	10MHz	QPSK	23230	1RB#0	-57.39	PASS
Band13	10MHz	QPSK	23230	1RB#49	-62.35	PASS
Band13	10MHz	QPSK	23230	50RB#0	-46.30	PASS
Band13	10MHz	16QAM	23230	1RB#0	-58.69	PASS
Band13	10MHz	16QAM	23230	1RB#49	-61.96	PASS
Band13	10MHz	16QAM	23230	50RB#0	-49.33	PASS

Test Graphs



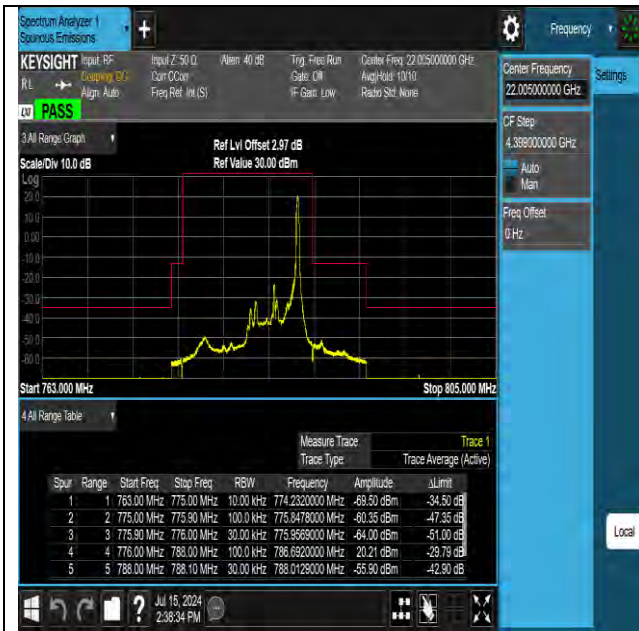


Test Report No.: W7L-240618W002RF07

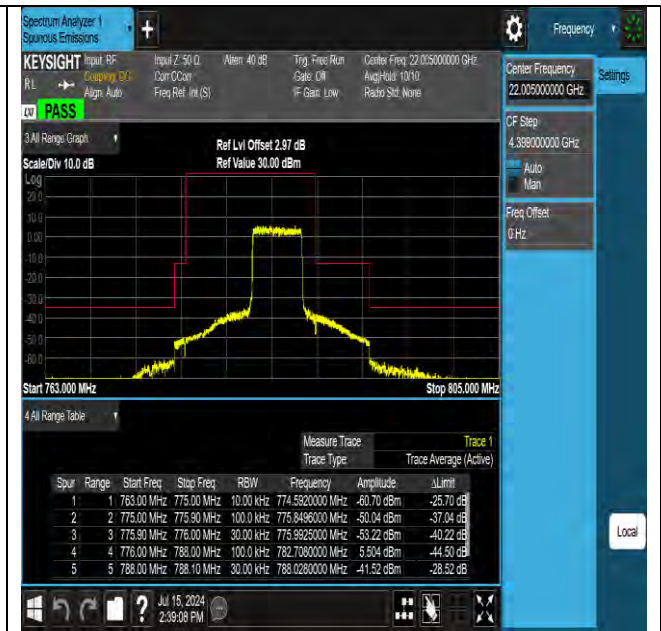




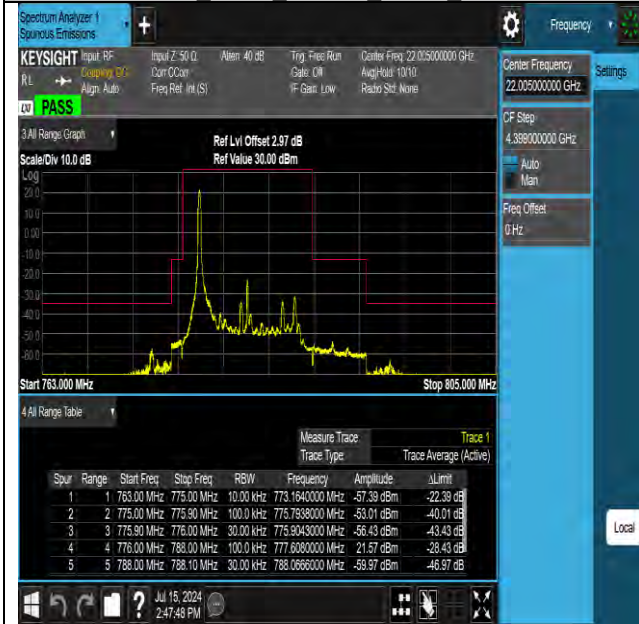
Test Report No.: W7L-240618W002RF07



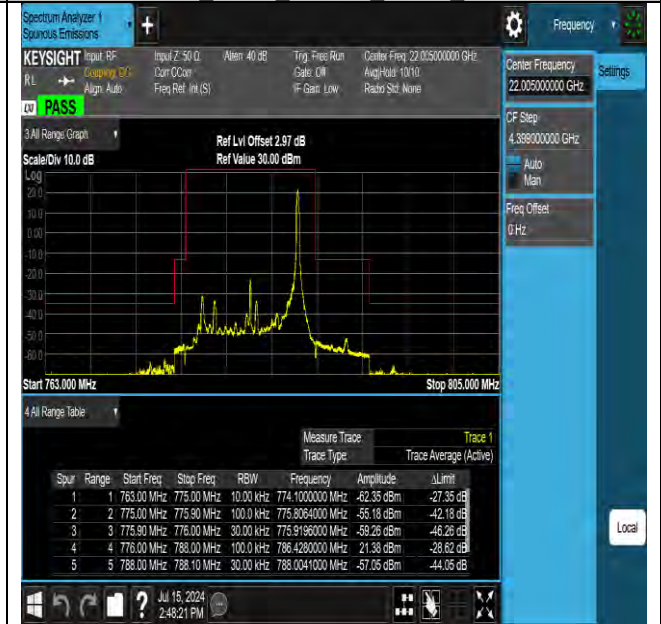
Band13 5MHz 16QAM 23255 1RB#24



Band13 5MHz 16QAM 23255 25RB#0



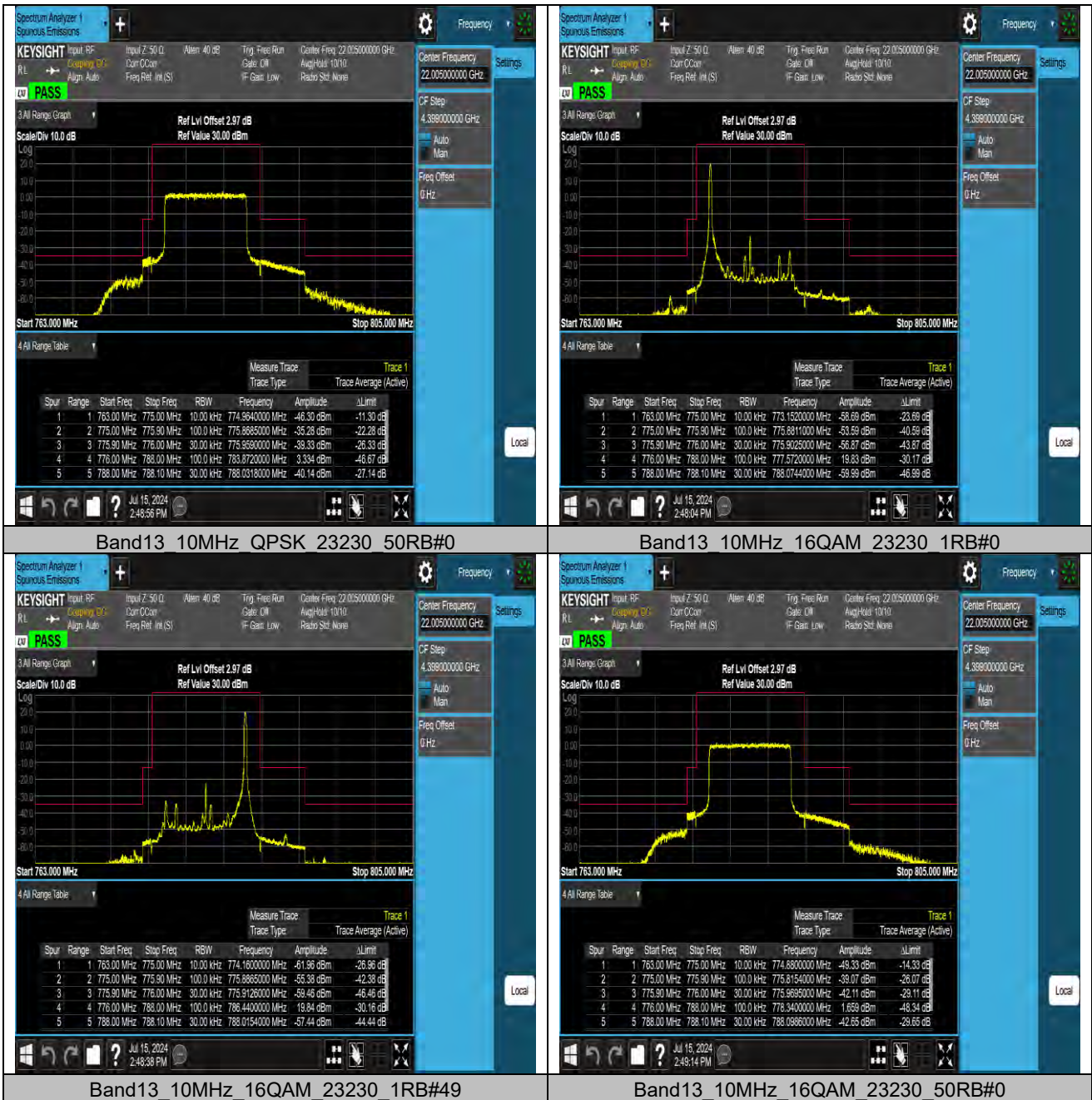
Band13 10MHz QPSK 23230 1RB#0



Band13 10MHz QPSK 23230 1RB#49



Test Report No.: W7L-240618W002RF07





Test Report No.: W7L-240618W002RF07

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-57.45	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~10000	-38.42	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-57.44	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~10000	-38.46	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-57.48	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~10000	-38.57	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-57.37	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~10000	-38.47	PASS



Test Graphs



Band13 5MHz QPSK 23205 1RB#0 30~1000 30~1000



Band13 5MHz QPSK 23205 1RB#0 1000~10000 1000~10000



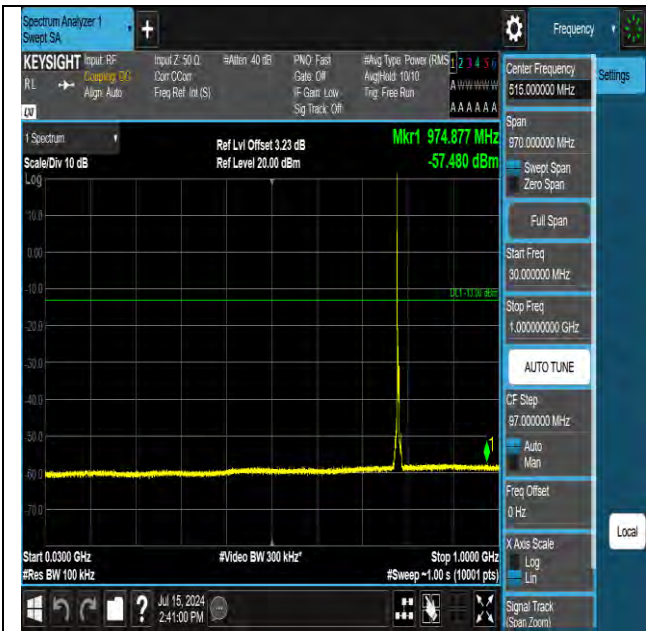
Band13 5MHz QPSK 23230 1RB#0 30~1000 30~1000



Band13 5MHz QPSK 23230 1RB#0 1000~10000 1000~10000

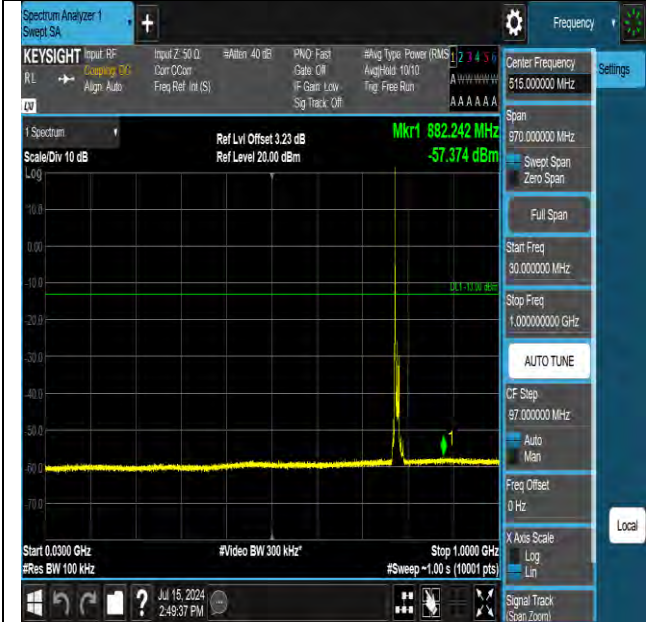


Test Report No.: W7L-240618W002RF07



Band13 5MHz QPSK 23255 1RB#0 30~1000 30~1000

Band13 5MHz QPSK 23255 1RB#0 1000~10000 1000~10000



Band13 10MHz QPSK 23230 1RB#0 30~1000 30~1000

Band13 10MHz QPSK 23230 1RB#0 1000~10000 1000~10000

FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1_3	5MHz	QPSK	23205	25RB #0	VN	NT	-1081.14	-1.386967	777.25898	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	VL	NT	1101.28	1.412799	777.26112	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	VH	NT	-1155.26	-1.482047	777.25886	---	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	VN	NT	904.52	1.152994	---	786.7285	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	VL	NT	-1038.14	-1.323310	---	786.73175	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	VH	NT	-1308.58	-1.668047	---	786.72954	777-787	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1_3	5MHz	QPSK	23205	25RB #0	NV	-30	-1028.65	-1.319633	777.25783	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	-20	1125.23	1.443525	777.26044	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	-10	-1210.38	-1.552764	777.26152	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	0	-1250.25	-1.603912	777.25868	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	10	1170.74	1.501917	777.25782	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	20	-1318.78	-1.691824	777.25861	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	30	1216.14	1.560154	777.25942	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	40	1203.54	1.543991	777.25808	---	777-787	PASS
Band1_3	5MHz	QPSK	23205	25RB #0	NV	50	-1255.15	-1.610203	777.25977	---	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	-30	884.64	1.127651	---	786.73077	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	-20	-1026.26	-1.308172	---	786.72937	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	-10	-1024.03	-1.305329	---	786.72903	777-787	PASS
Band1_3	5MHz	QPSK	23255	25RB #0	NV	0	777.2	0.990	---	786.7	777-787	PASS



BUREAU
VERITAS

Test Report No.: W7L-240618W002RF07

3				#0			1	701		3152	87	
Band1 3	5MHz	QPSK	23255	25RB #0	NV	10	731.1 6	0.932 004	---	786.7 293	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	20	-366.7 3	-0.467 476	---	786.7 2978	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	30	-509.7 6	-0.649 788	---	786.7 3219	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	40	-737.9 9	-0.940 712	---	786.7 3308	777-7 87	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	50	-876.5 2	-1.117 303	---	786.7 2885	777-7 87	PASS

---END---