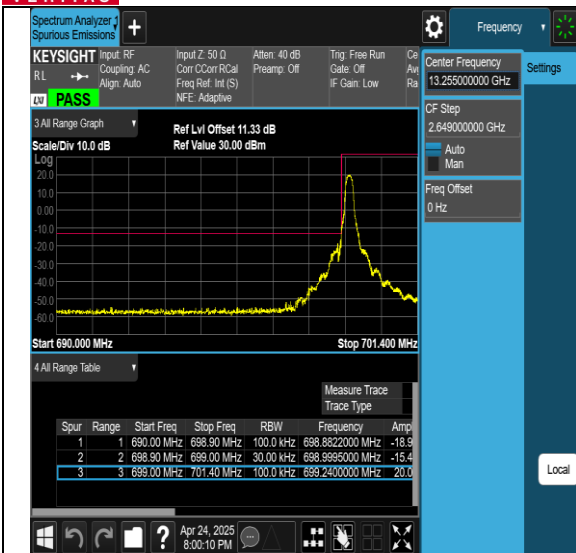
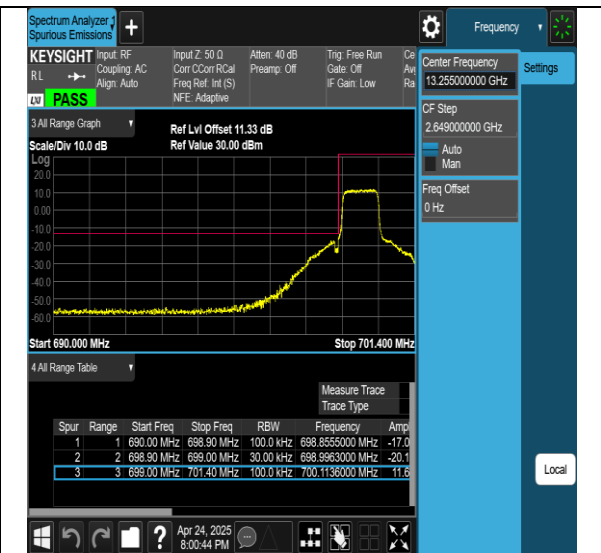




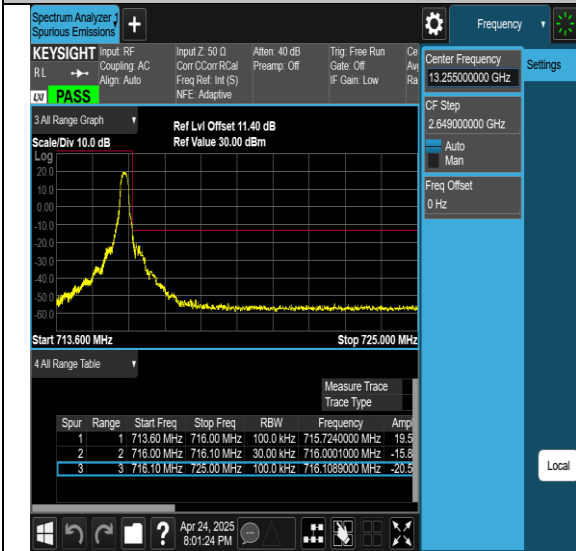
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



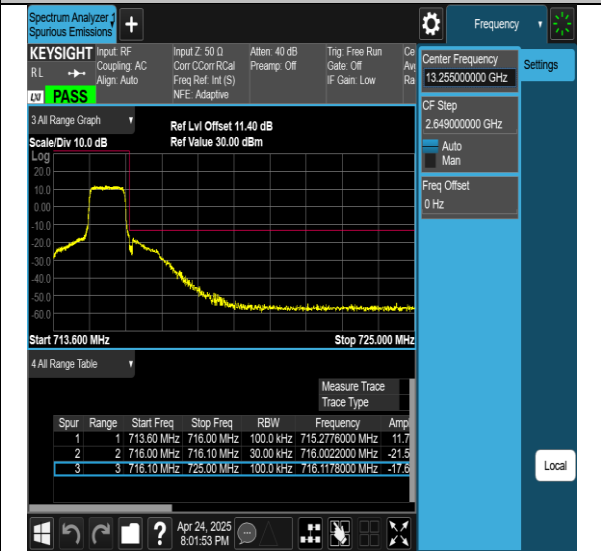
Band12-1.4MHz-16QAM-23173-1RB#5-PASS



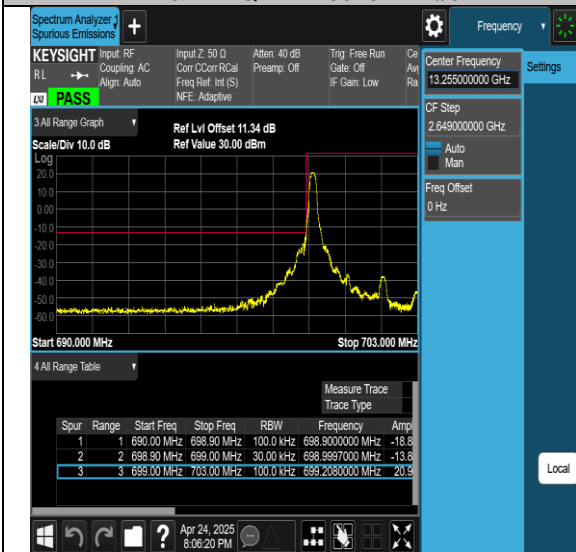
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



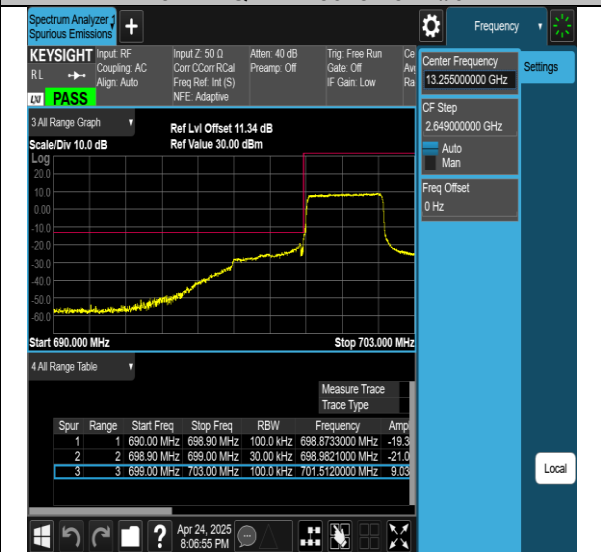
Band12-3MHz-QPSK-23025-1RB#0-PASS



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



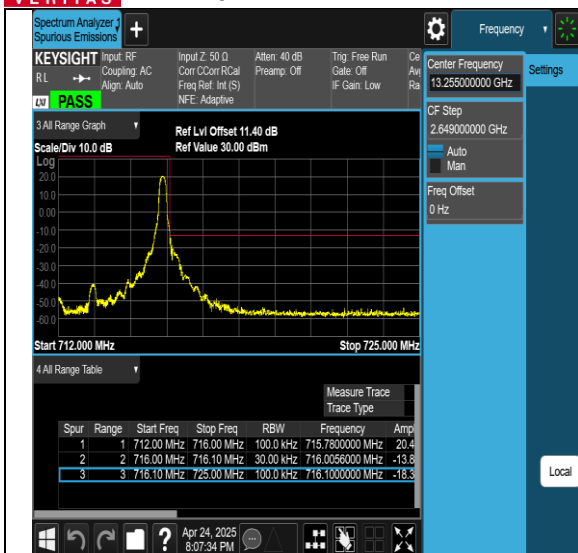
Band12-3MHz-QPSK-23165-1RB#14-PASS



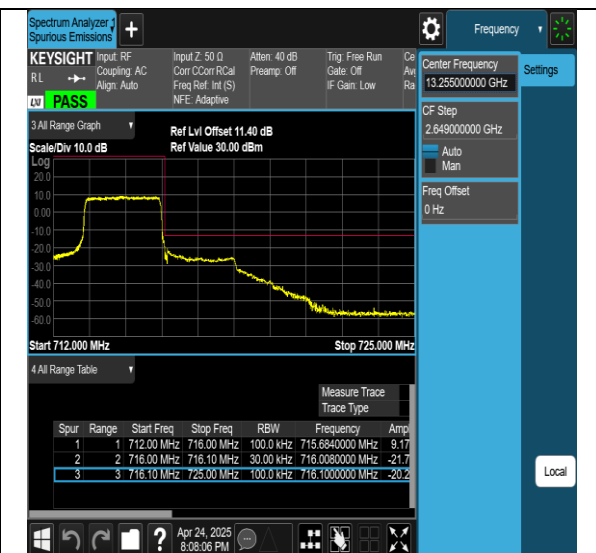
Band12-3MHz-QPSK-23165-15RB#0-PASS



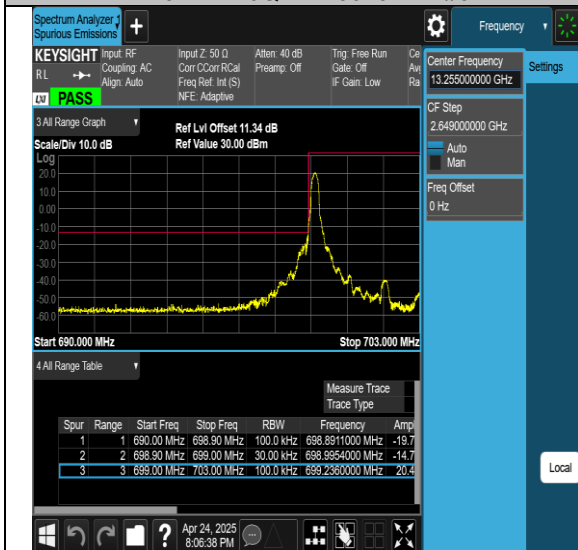
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



Band12-3MHz-16QAM-23025-1RB#0-PASS



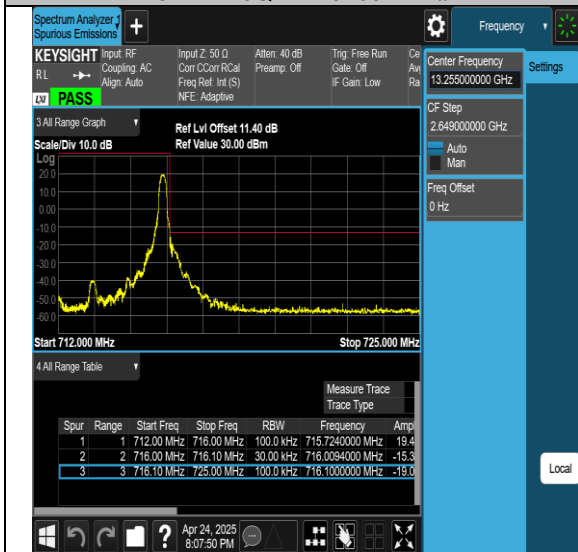
Band12-3MHz-16QAM-23025-15RB#0-PASS



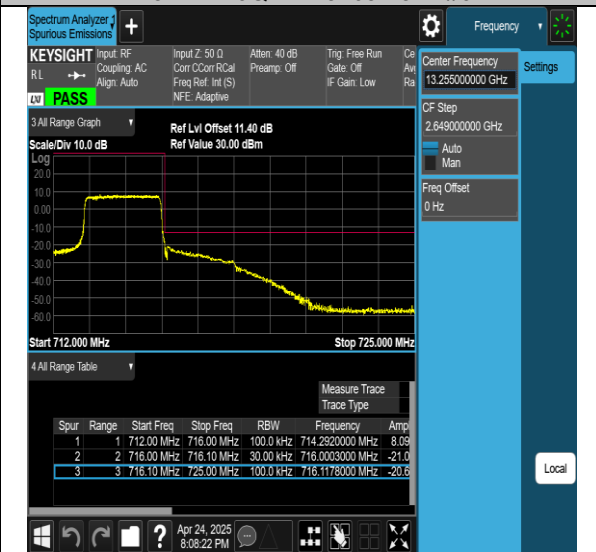
Band12-3MHz-16QAM-23165-1RB#14-PASS



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



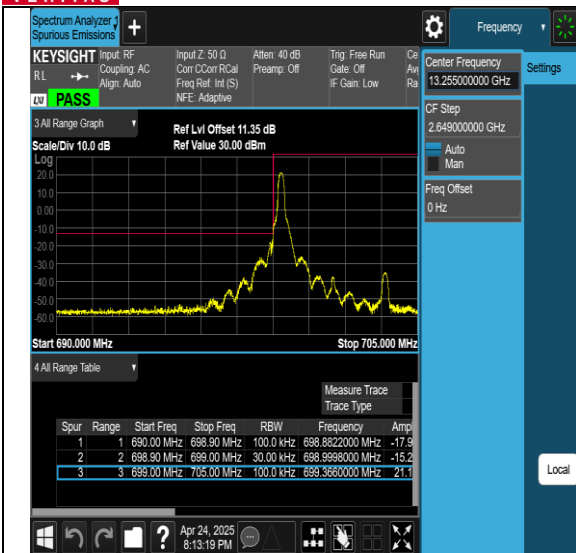
Band12-5MHz-QPSK-23035-1RB#0-PASS



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



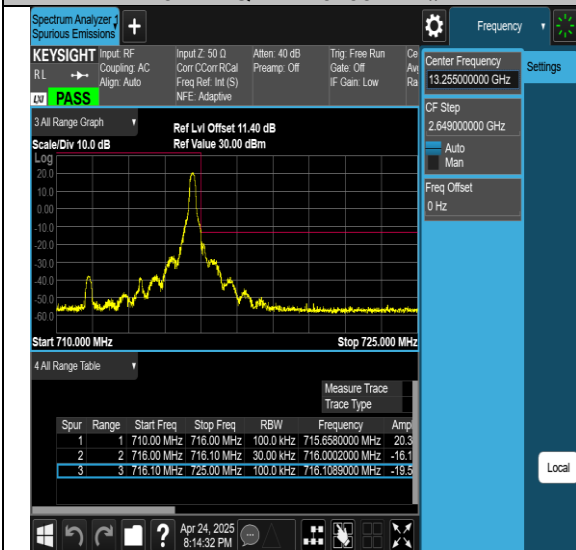
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



Band12-5MHz-QPSK-23155-1RB#24-PASS



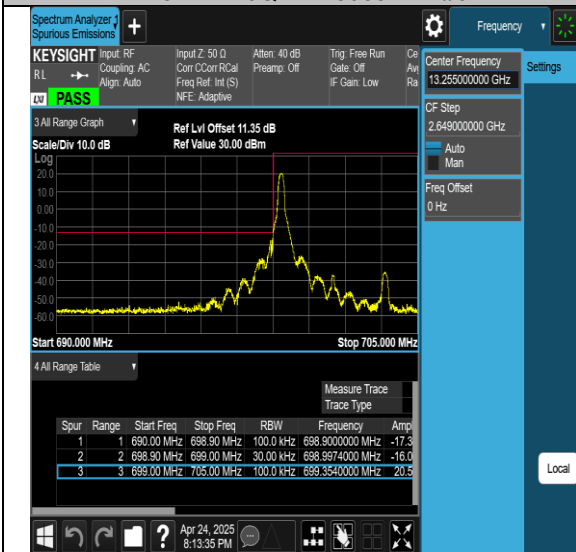
Band12-5MHz-QPSK-23155-25RB#0-PASS



Band12-5MHz-16QAM-23035-1RB#0-PASS



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



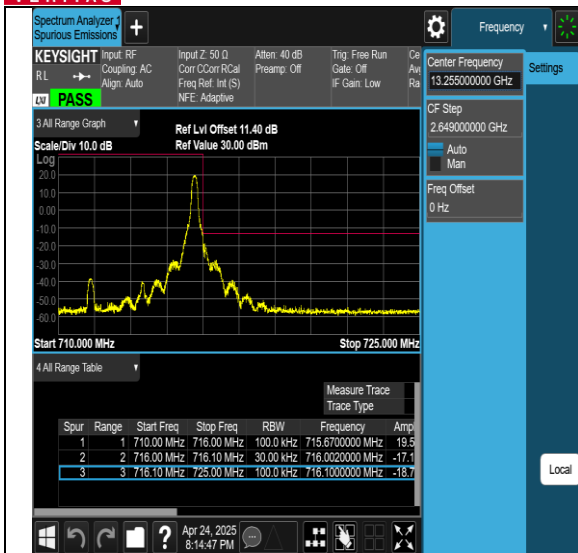
Band12-5MHz-16QAM-23155-1RB#24-PASS



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



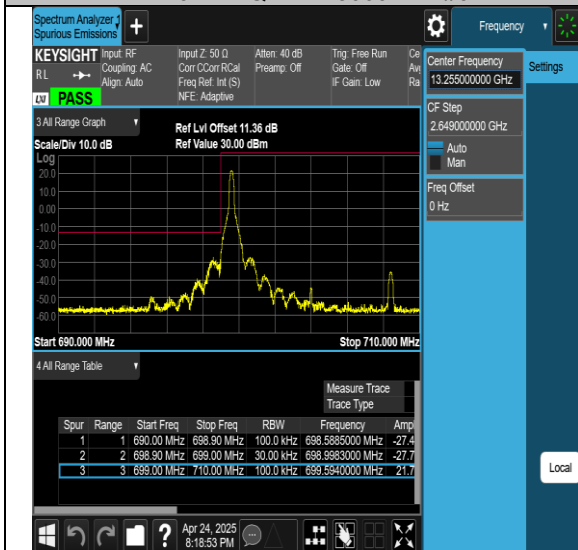
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



Band12-10MHz-QPSK-23060-1RB#0-PASS



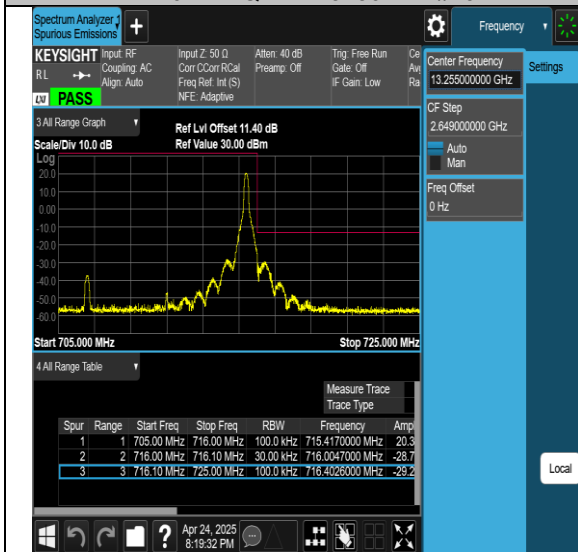
Band12-10MHz-QPSK-23060-50RB#0-PASS



Band12-10MHz-QPSK-23130-1RB#49-PASS



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



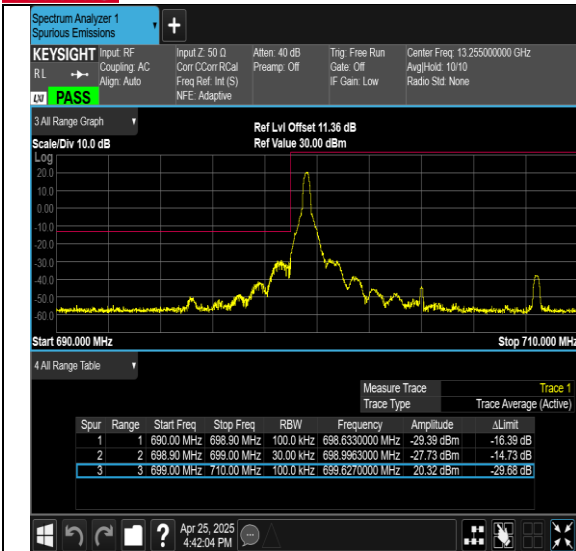
Band12-10MHz-16QAM-23060-1RB#0-PASS



Band12-10MHz-16QAM-23060-27RB#0-PASS



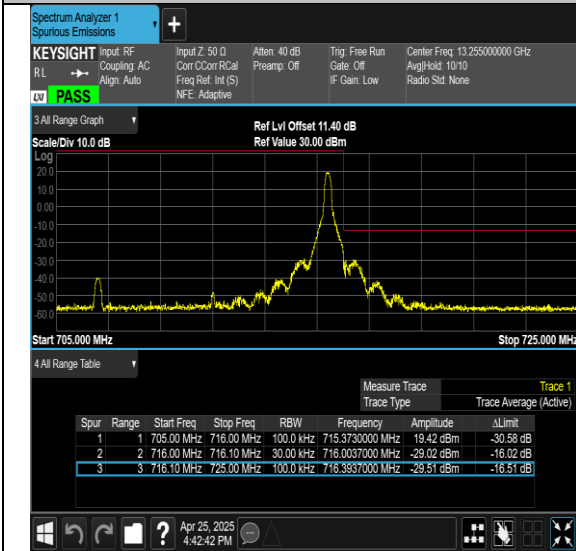
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



Band12-10MHz-16QAM-23130-1RB#49-PASS



Band12-10MHz-16QAM-23130-27RB#23-PASS





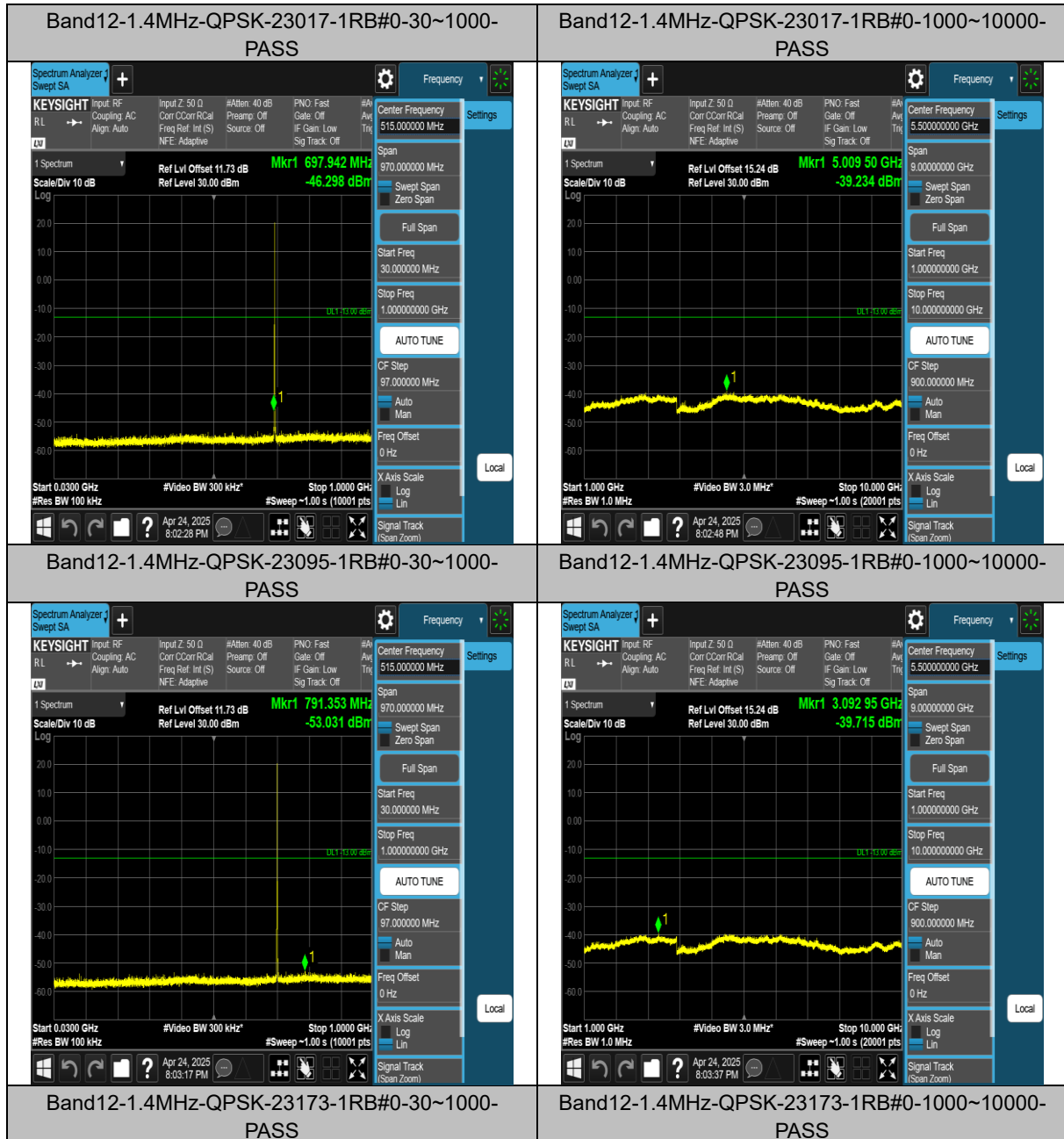
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-46.30	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~10000	-39.23	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-53.03	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~10000	-39.72	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-50.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~10000	-39.19	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-44.16	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~10000	-39.00	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-52.96	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~10000	-38.89	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-48.17	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~10000	-35.18	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-39.42	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~10000	-39.65	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-52.83	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~10000	-39.70	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-48.89	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~10000	-39.57	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-40.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~10000	-39.44	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-53.20	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~10000	-39.80	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-48.67	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~10000	-39.68	PASS



Test Graphs

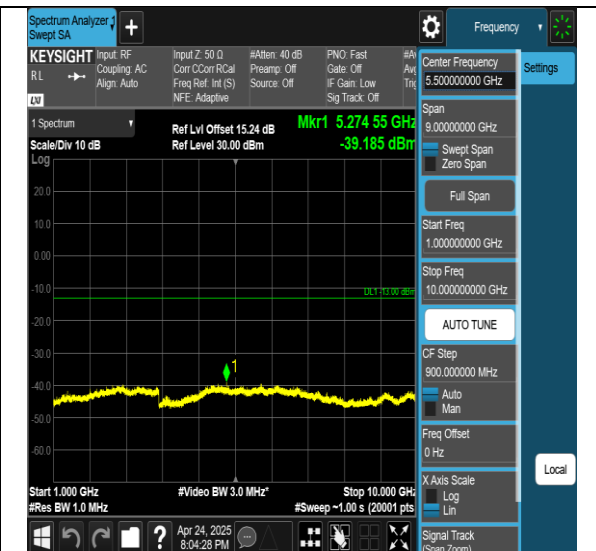




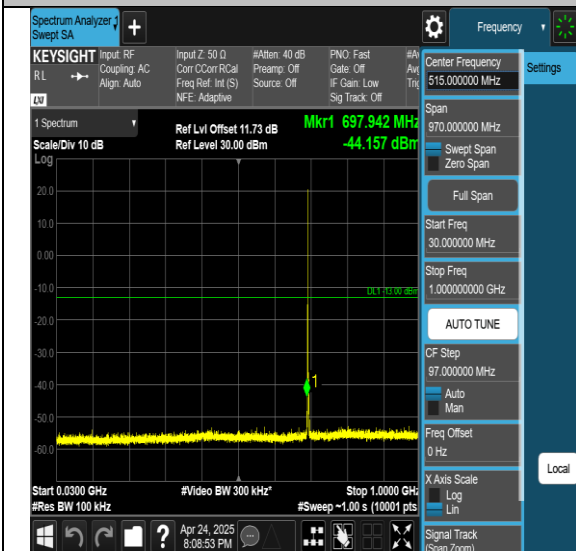
BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



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



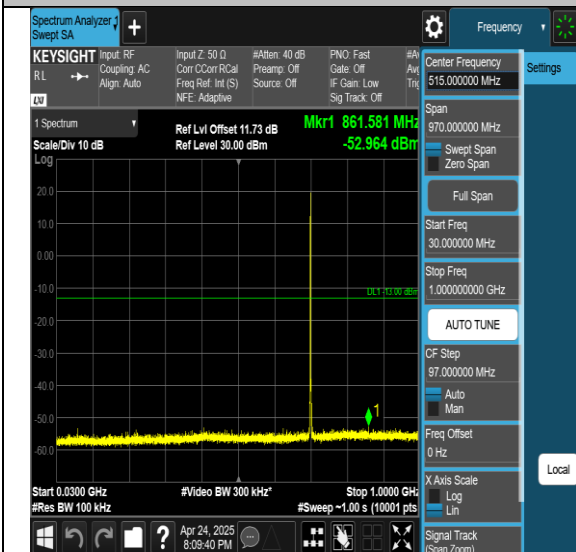
Band12-3MHz-QPSK-23025-1RB#0-1000~10000-PASS



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



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



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

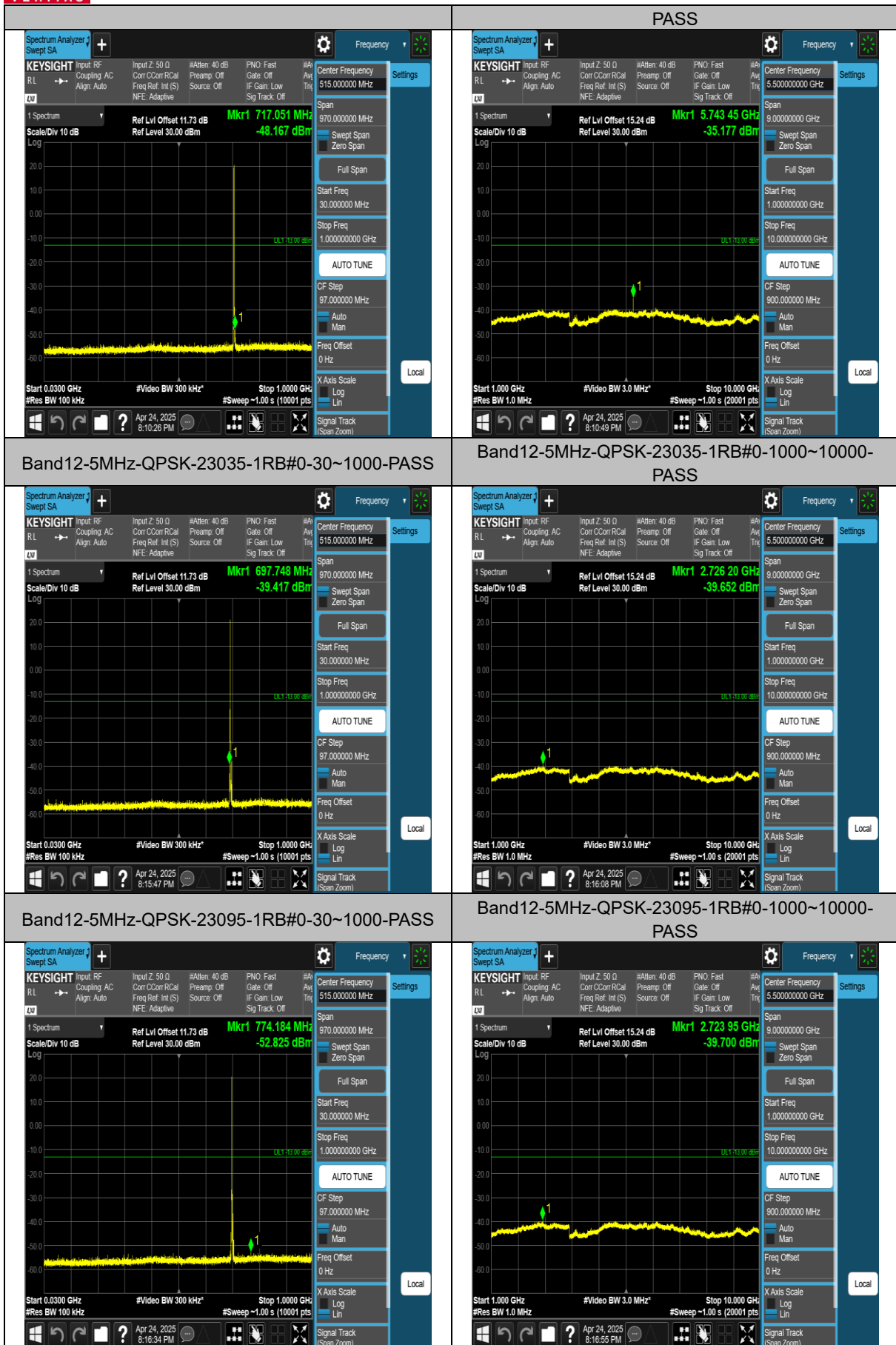


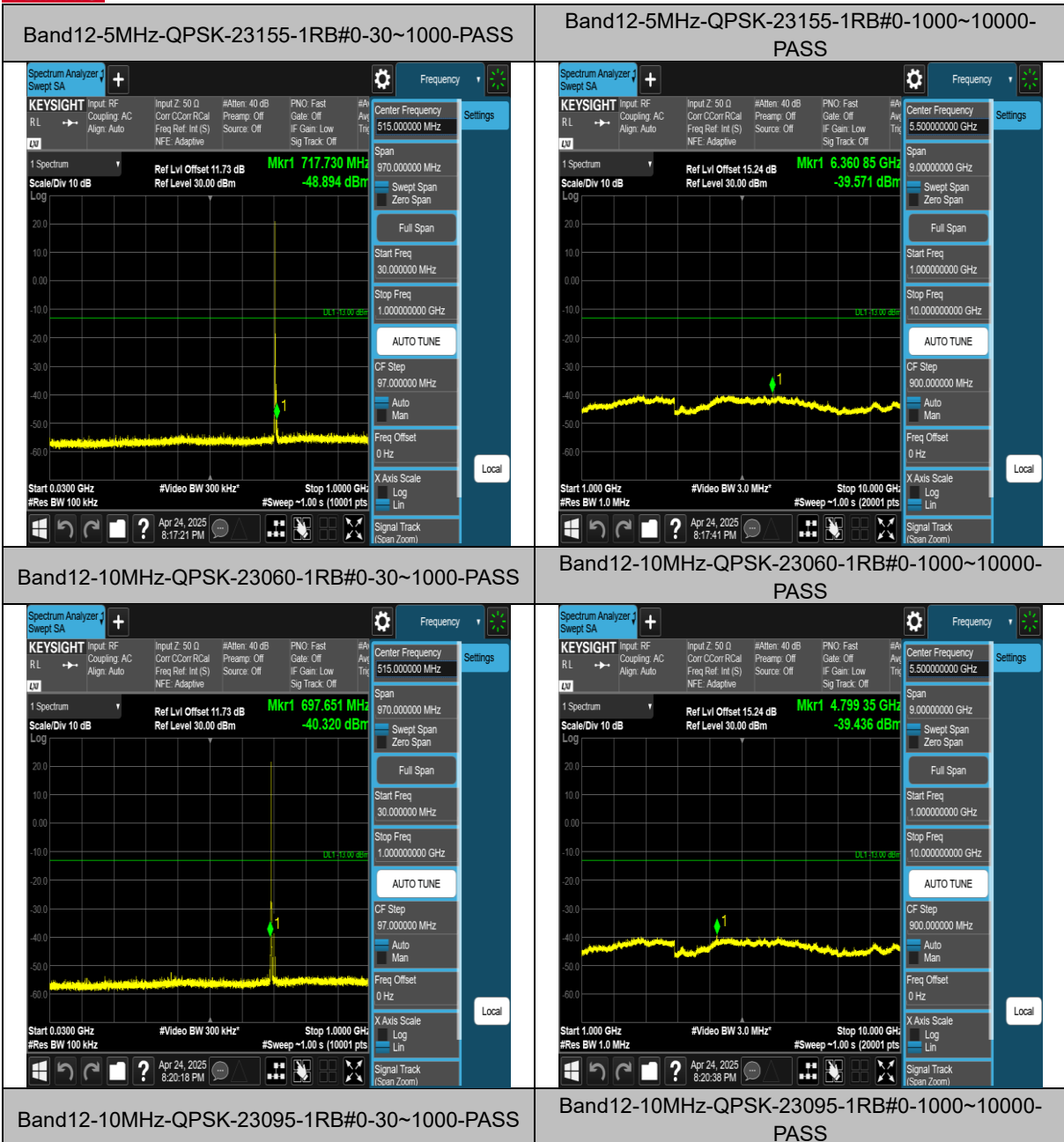
Band12-3MHz-QPSK-23165-1RB#0-1000~10000-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

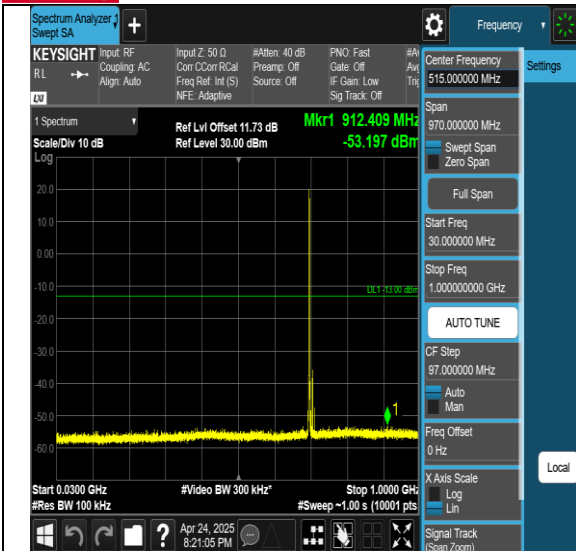
Tel: +86 (0557) 368 1008





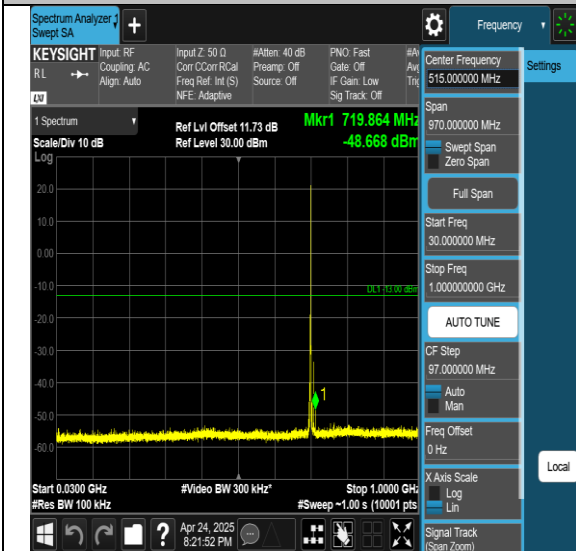


BUREAU VERITAS Test Report No.: PBJ-NQN2504110217RF03



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

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





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
Band 12	10MHz	QPSK	23060	50RB #0	VN	NT	-1004	-1.426136	699.5558	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	VL	NT	-759	-1.078125	699.5704	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	VH	NT	-753	-1.069602	699.5559	--	699-716	PASS
Band 12	10MHz	QPSK	23130	50RB #0	VN	NT	659	0.926864	--	715.2422	699-716	PASS
Band 12	10MHz	QPSK	23130	50RB #0	VL	NT	702	0.987342	--	715.2518	699-716	PASS
Band 12	10MHz	QPSK	23130	50RB #0	VH	NT	724	1.018284	--	715.2533	699-716	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 12	10MHz	QPSK	23060	50RB #0	NV	-30	-767	-1.089489	699.4981	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	-20	-870	-1.235795	699.4904	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	-10	-930	-1.321023	699.4995	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	0	-827	-1.174716	699.5042	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	10	-637	-0.904830	699.5034	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	20	-787	-1.117898	699.5101	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	30	-908	-1.289773	699.4943	--	699-716	PASS
Band 12	10MHz	QPSK	23060	50RB #0	NV	40	-701	-0.995	699.4954	--	699-716	PASS



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								739			716	
Ban d12	10MH z	QPSK	2306 0	50RB #0	NV	50	-1100	- 1.562 500	699.4 935	--	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	-30	951	1.337 553	--	715.2 284	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	-20	1022	1.437 412	--	715.2 298	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	-10	656	0.922 644	--	715.2 362	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	0	687	0.966 245	--	715.2 382	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	10	540	0.759 494	--	715.2 318	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	20	848	1.192 686	--	715.2 291	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	30	674	0.947 961	--	715.2 423	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	40	654	0.919 831	--	715.2 293	699 - 716	PAS S
Ban d12	10MH z	QPSK	2313 0	50RB #0	NV	50	767	1.078 762	--	715.2 401	699 - 716	PAS S



FCC-LTE-Band13

PEAK-TO-AVERAGE RATIO(CCDFF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.09	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	6.01	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.69	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	6.53	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.68	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.89	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.01	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.74	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.55	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	7.25	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	6.47	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.66	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.73	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	6.23	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.53	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	7.03	13	PASS

Test Graphs

