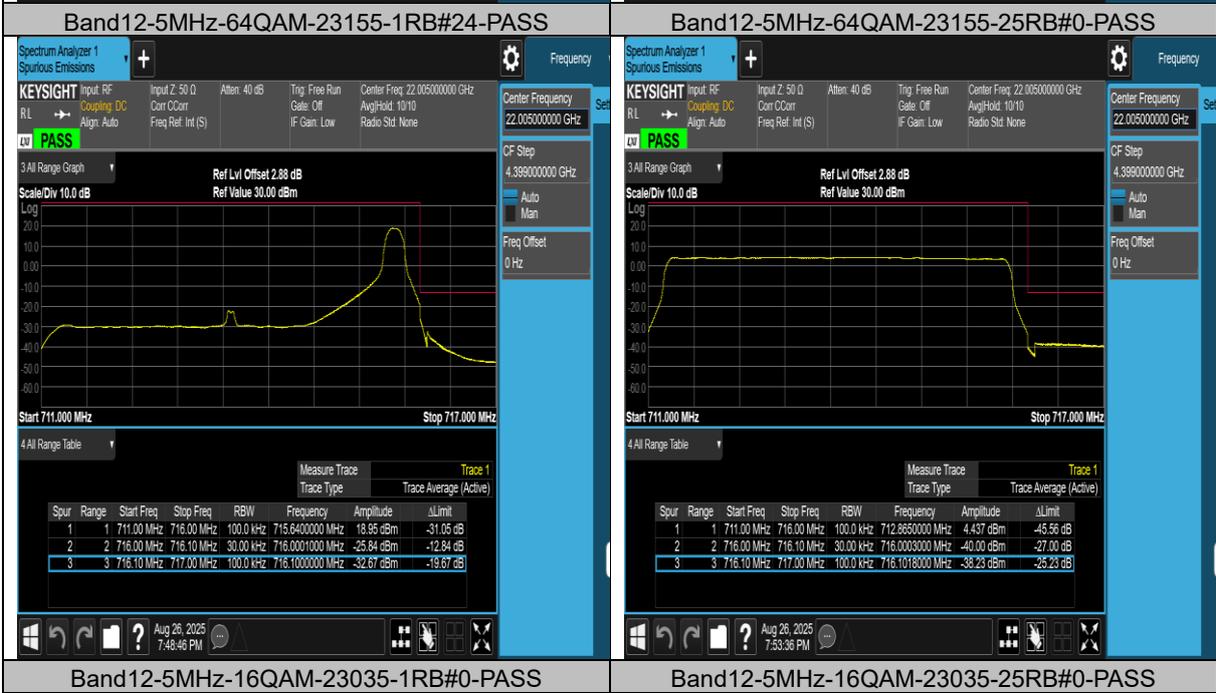


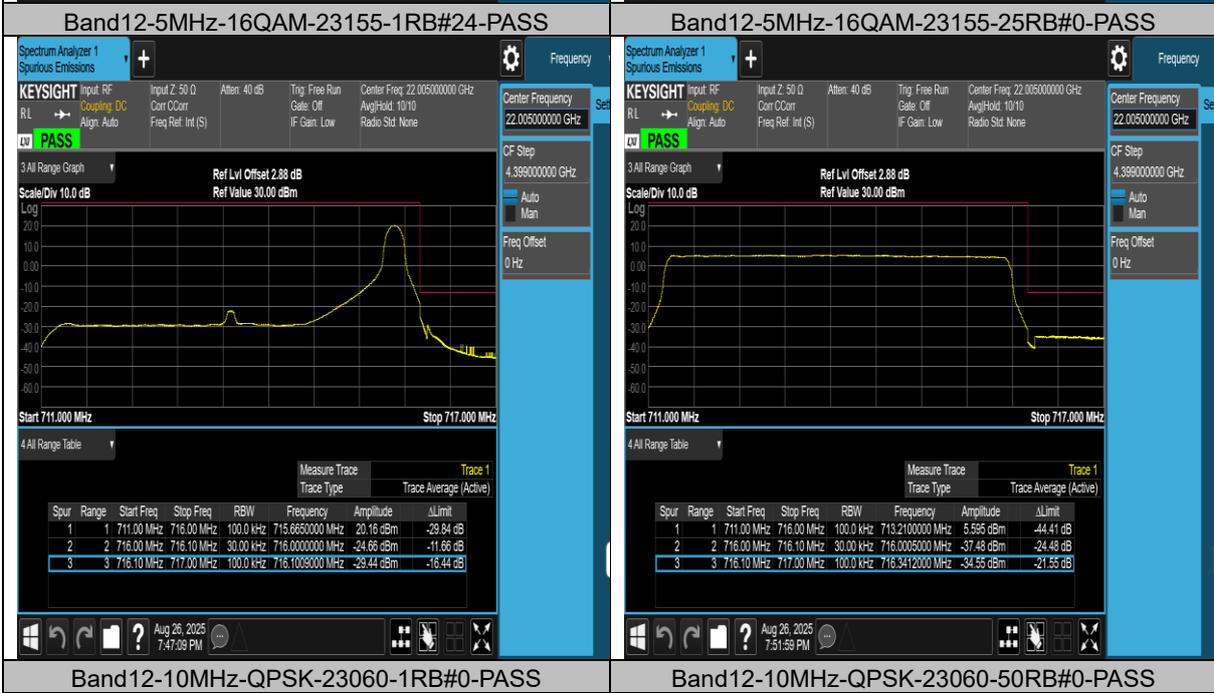


BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



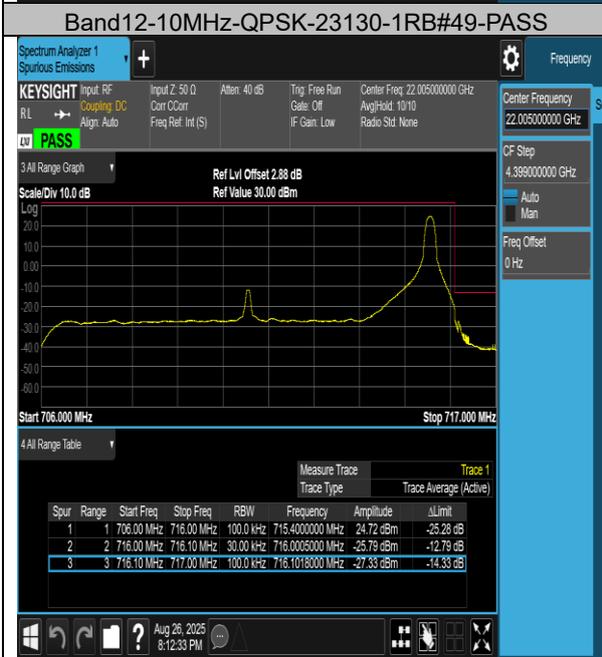
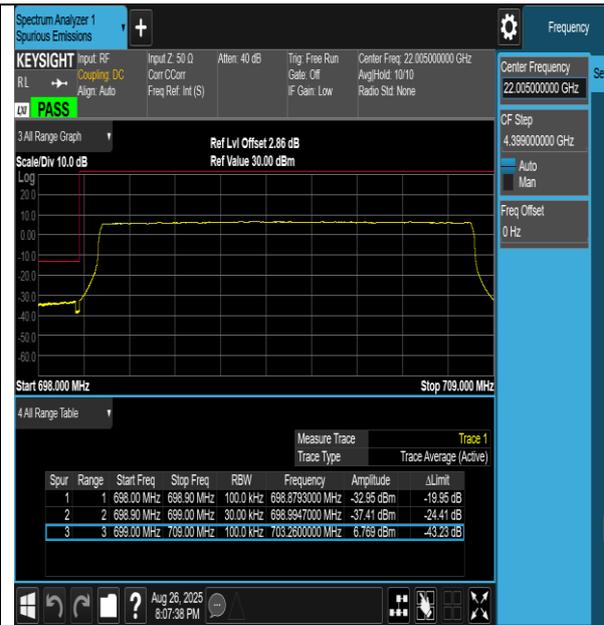


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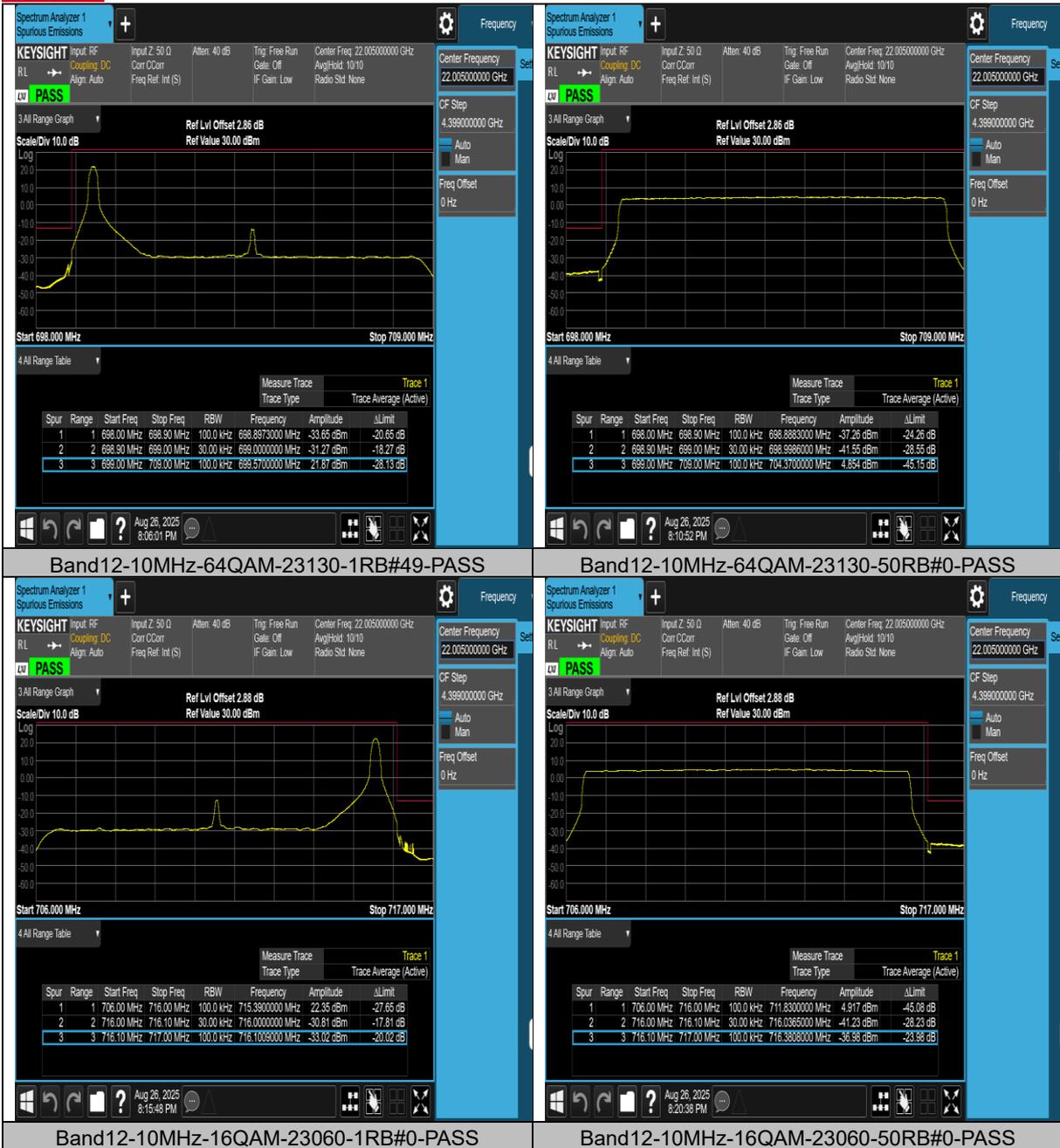


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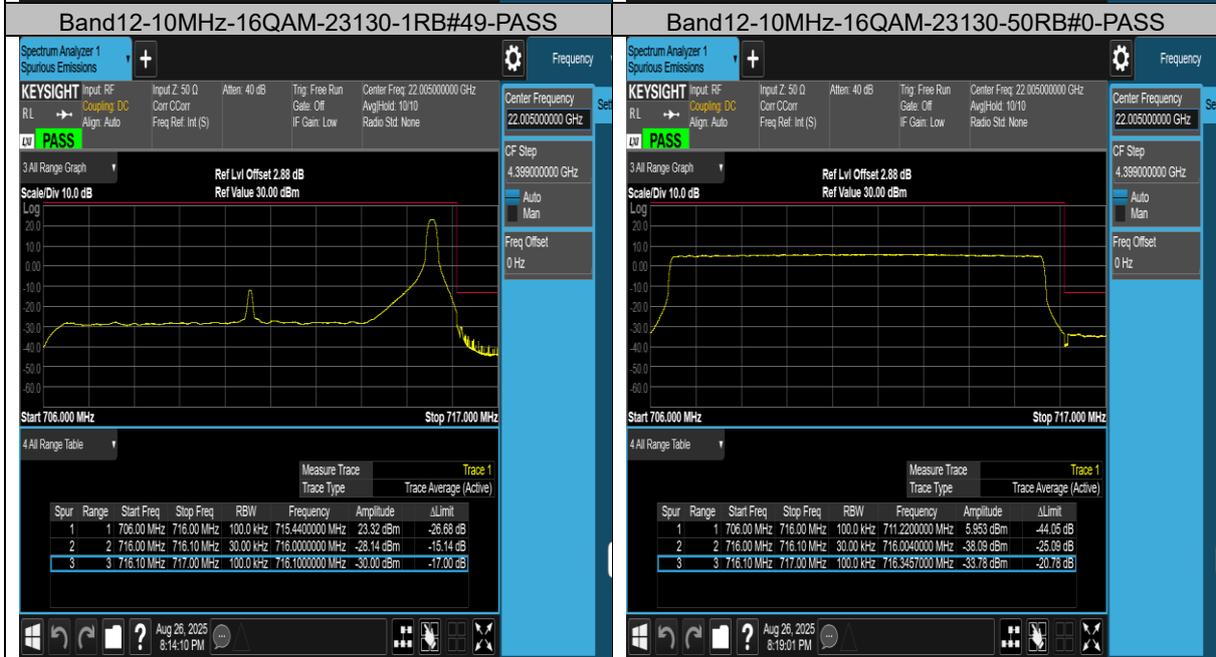


BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03





BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03





APPENDIX : CONDUCTED SPURIOUS EMISSION

Test Result

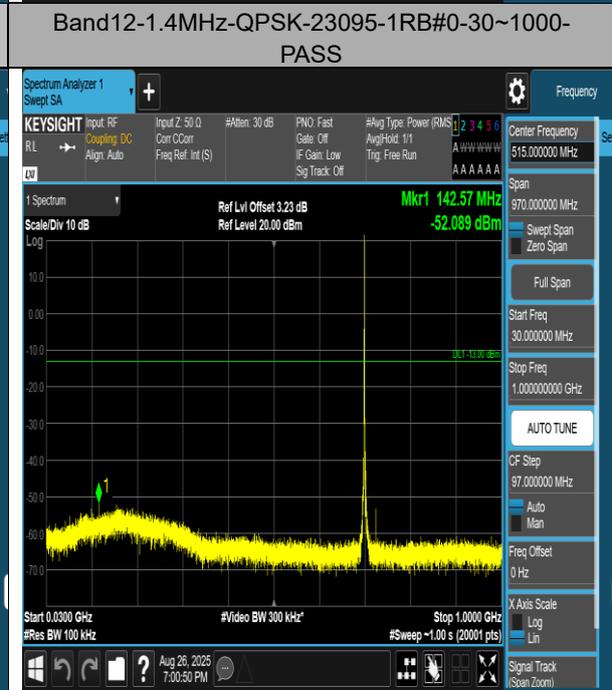
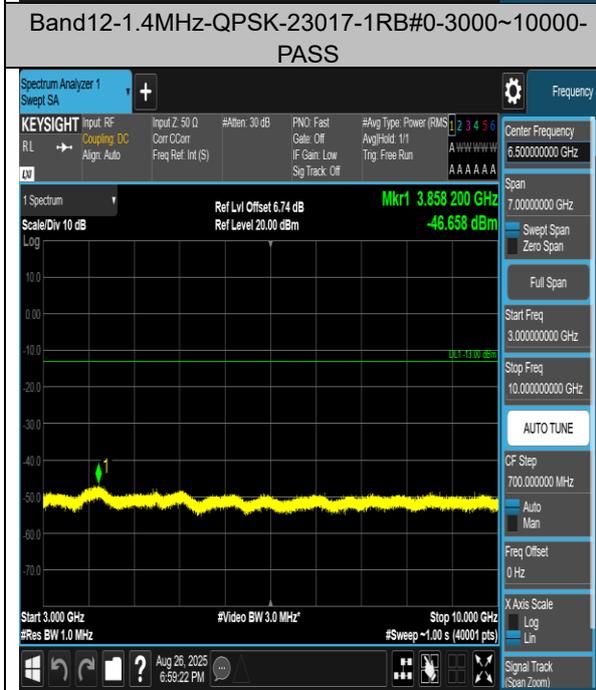
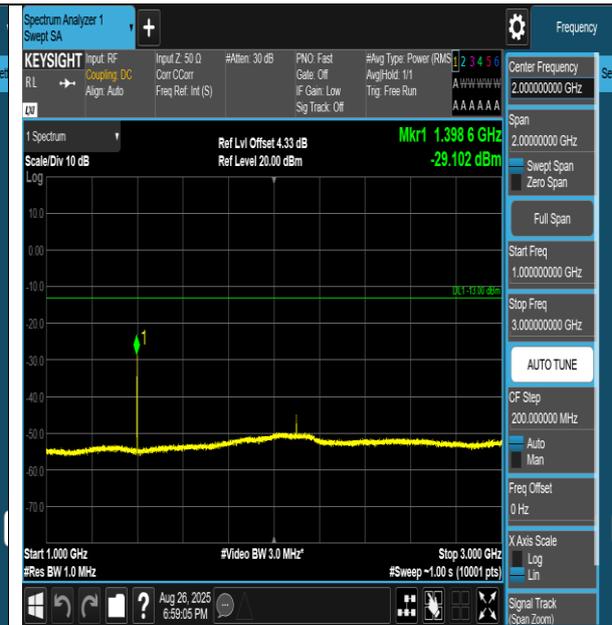
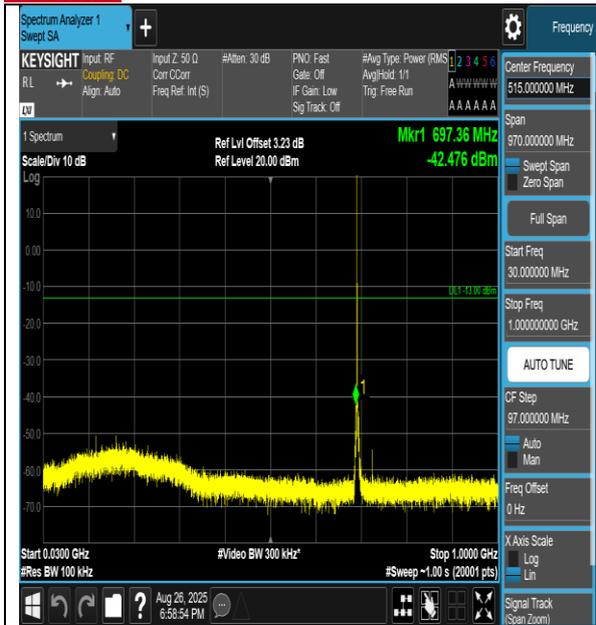
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-42.48	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-29.10	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-46.66	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-52.09	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-28.47	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-47.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-44.01	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-27.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-46.70	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-42.53	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-29.55	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-46.74	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-50.46	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-28.59	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-46.80	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-35.87	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-27.97	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-46.60	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-41.04	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-29.29	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-46.38	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-51.33	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-28.45	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-46.54	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-40.80	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-26.98	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-46.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-32.74	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-25.52	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-45.41	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-34.45	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-25.04	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-45.08	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-38.06	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-24.80	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-45.17	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0-30~1000-PASS	Band12-1.4MHz-QPSK-23017-1RB#0-1000~3000-PASS
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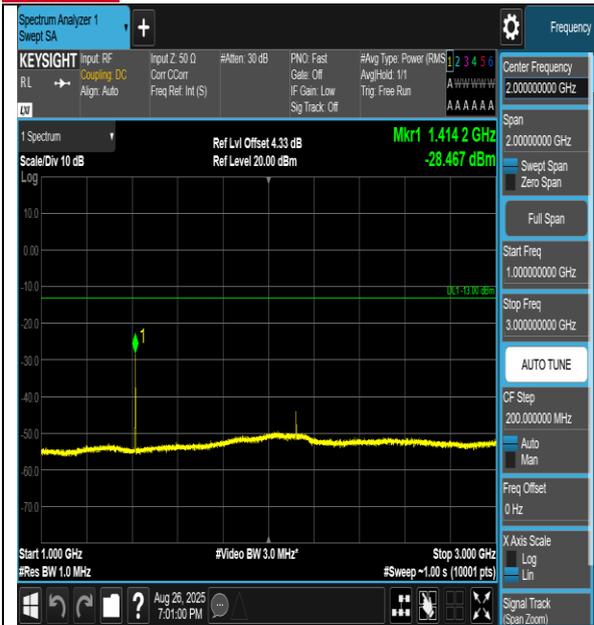


BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03

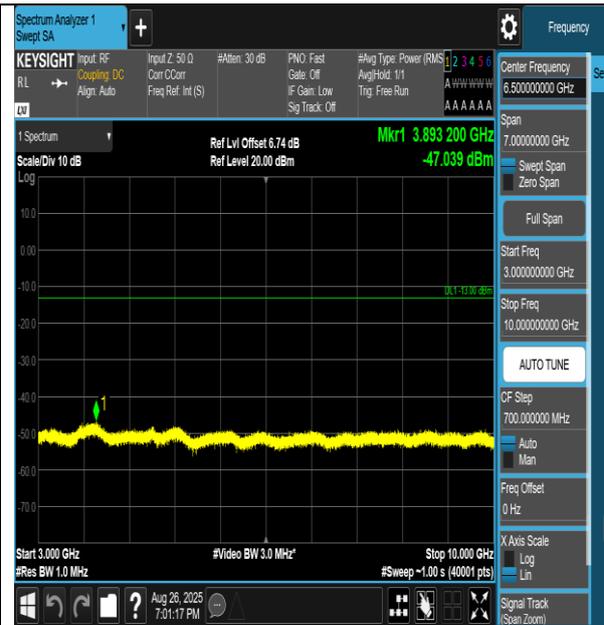




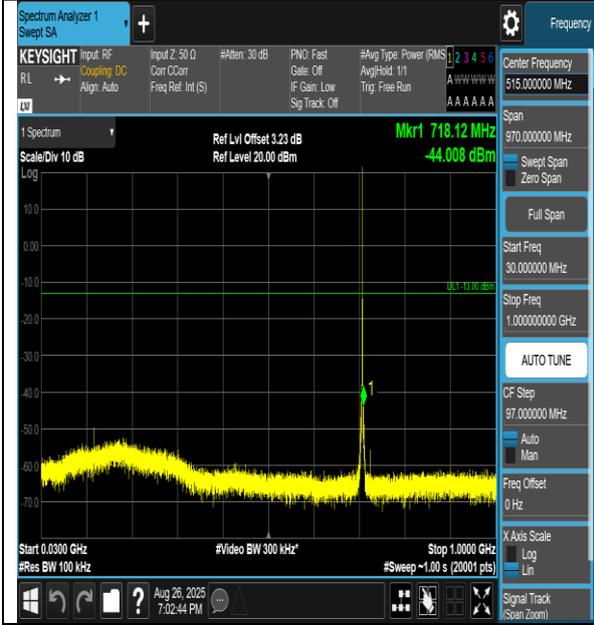
BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



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



Band12-1.4MHz-QPSK-23173-1RB#0-1000~3000-PASS



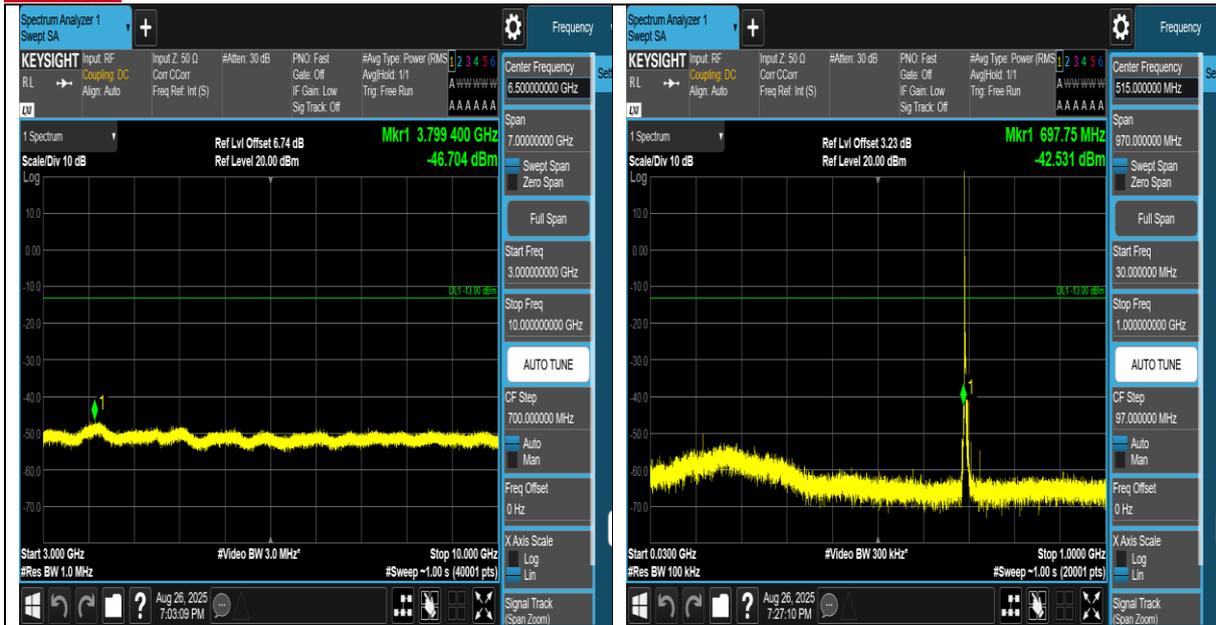
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Band12-3MHz-QPSK-23025-1RB#0-30~1000-PASS



BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



Band12-3MHz-QPSK-23025-1RB#0-1000~3000-PASS

Band12-3MHz-QPSK-23025-1RB#0-3000~10000-PASS

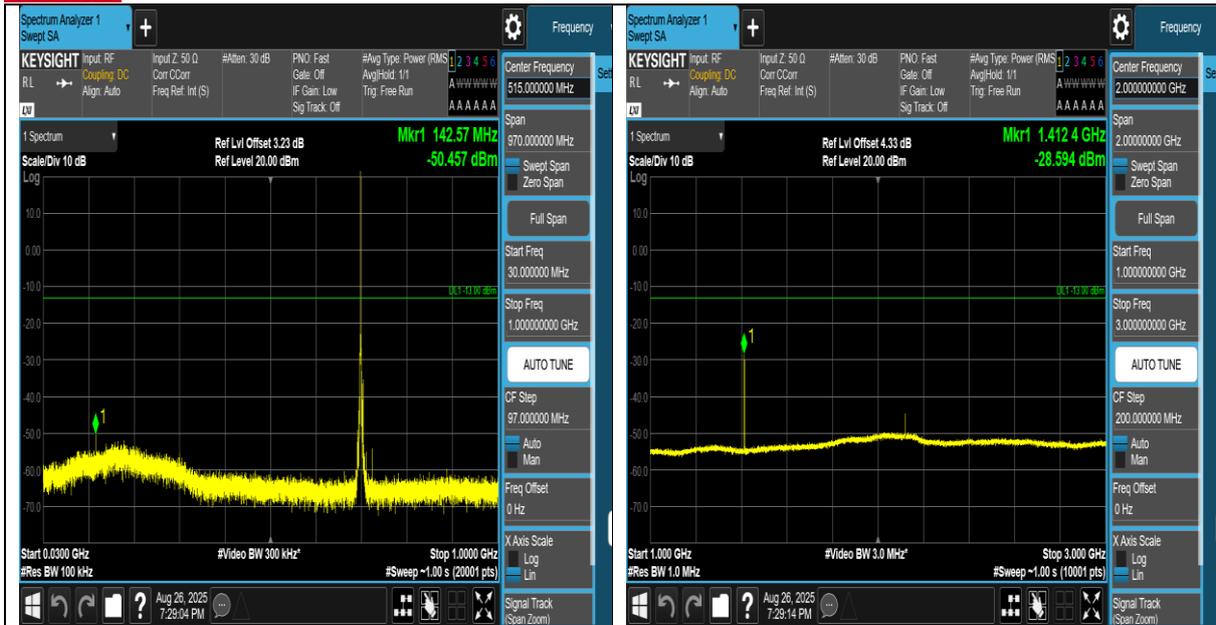


Band12-3MHz-QPSK-23095-1RB#0-30~1000-PASS

Band12-3MHz-QPSK-23095-1RB#0-1000~3000-PASS

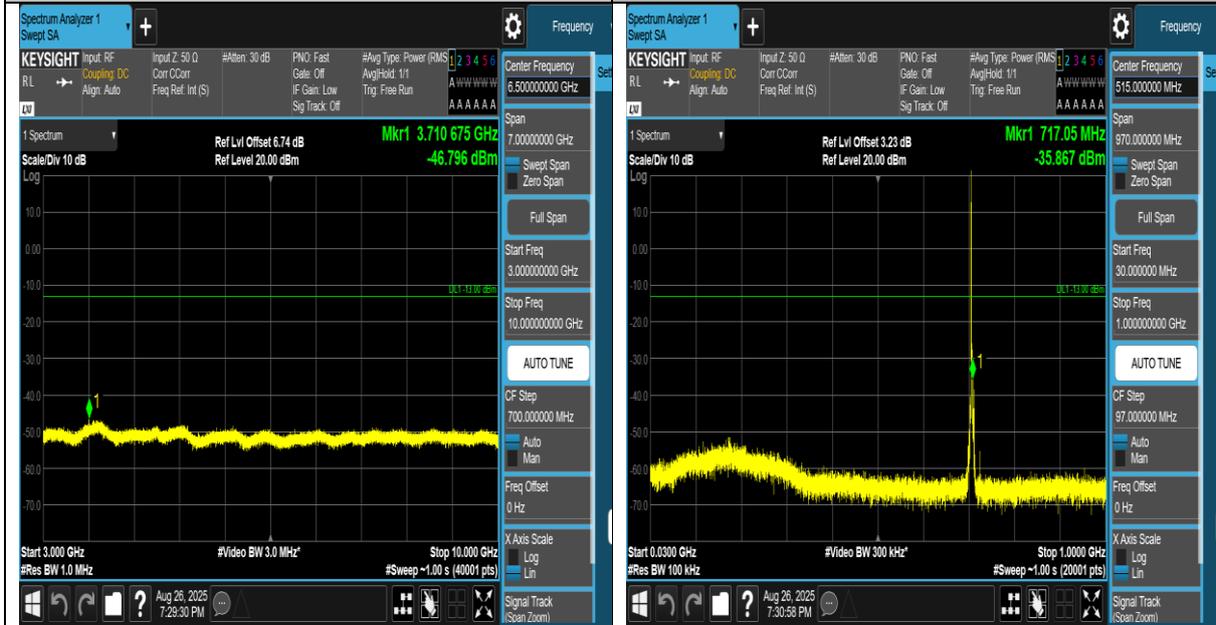


BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



Band12-3MHz-QPSK-23095-1RB#0-3000~1000-PASS

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



Band12-3MHz-QPSK-23165-1RB#0-1000~3000-PASS

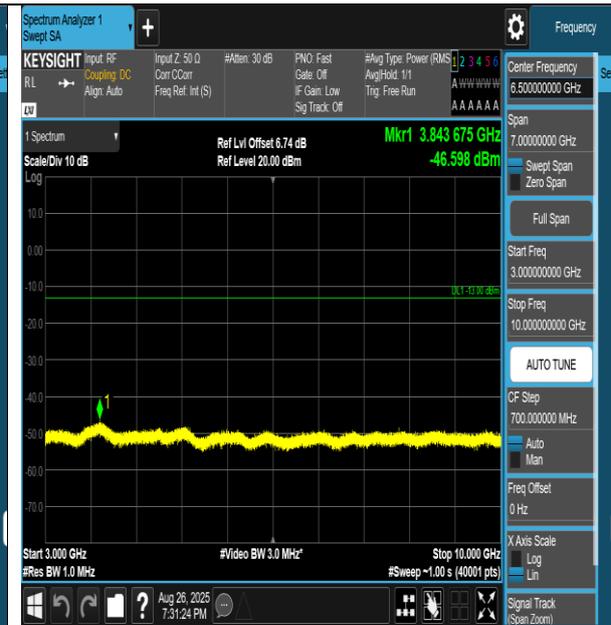
Band12-3MHz-QPSK-23165-1RB#0-3000~1000-PASS



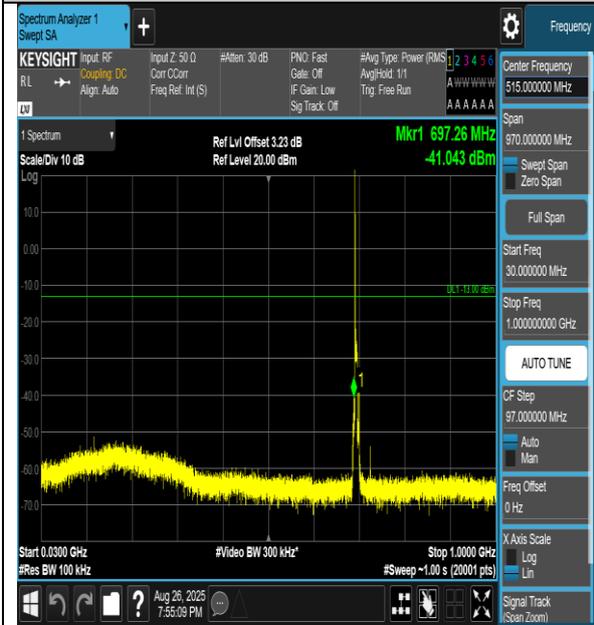
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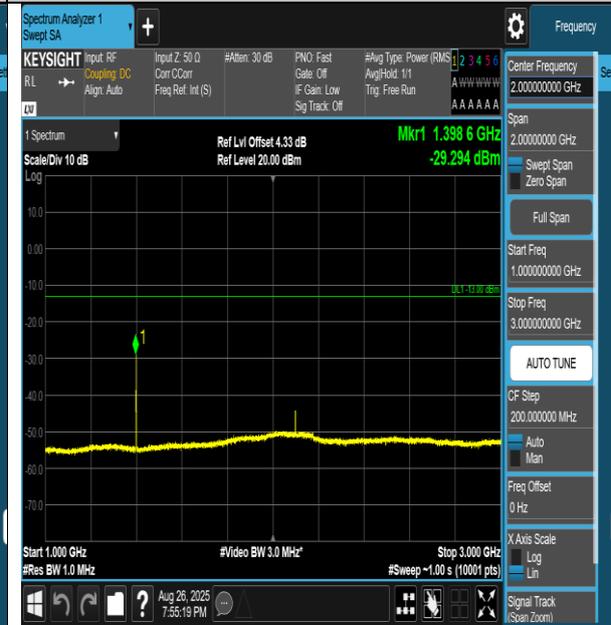
Band12-5MHz-QPSK-23035-1RB#0-30~1000-PASS



Band12-5MHz-QPSK-23035-1RB#0-1000~3000-PASS



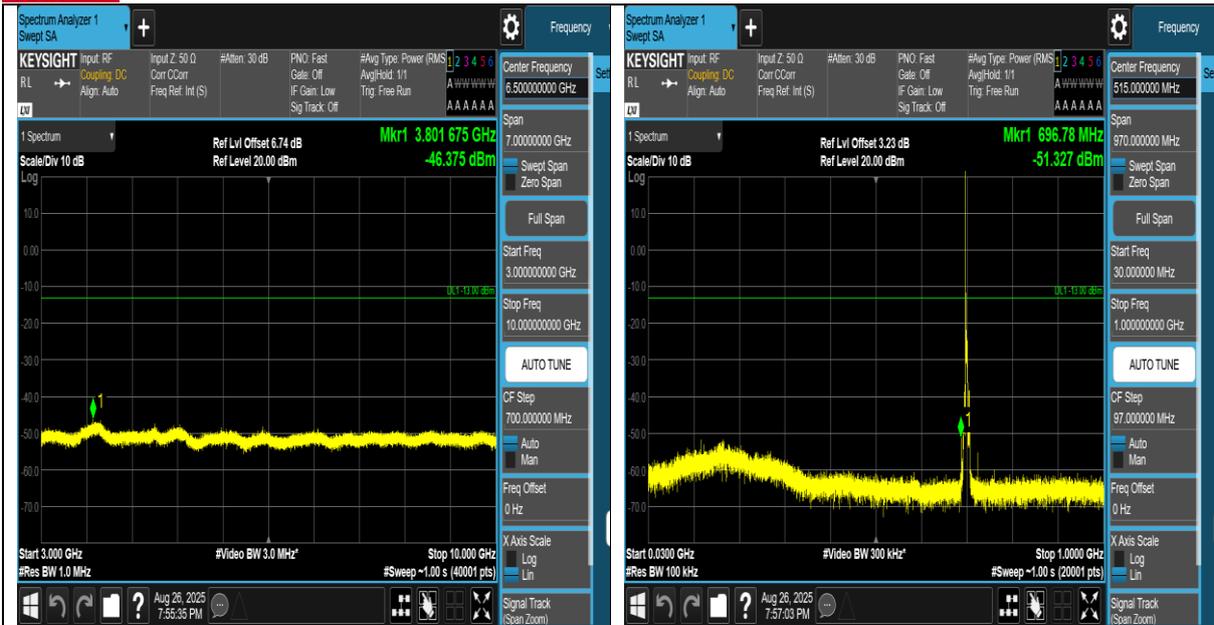
Band12-5MHz-QPSK-23035-1RB#0-3000~10000-PASS



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



BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



Band12-5MHz-QPSK-23095-1RB#0-1000~3000-PASS

Band12-5MHz-QPSK-23095-1RB#0-3000~10000-PASS

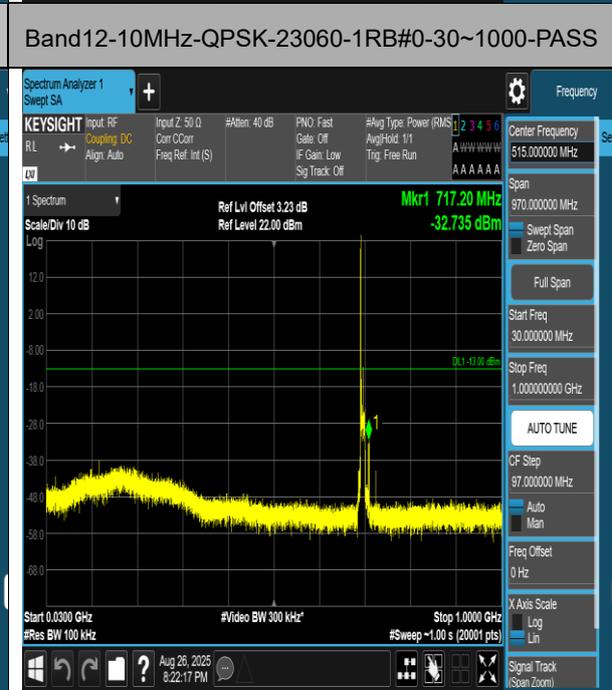
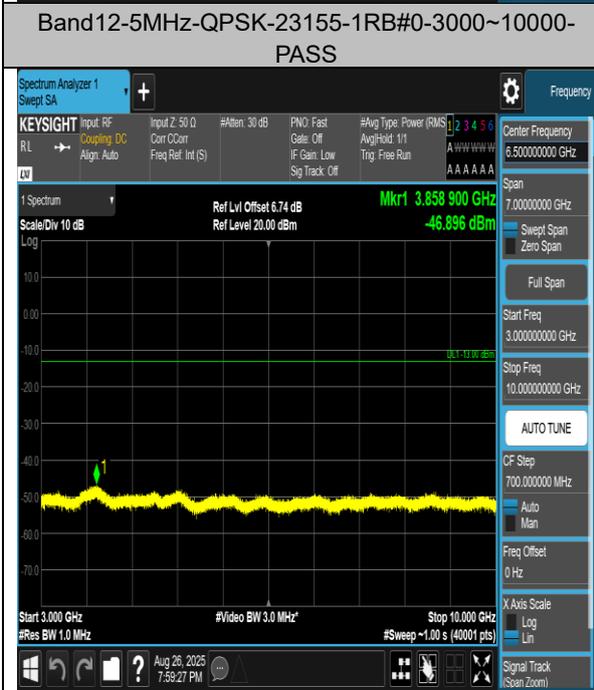
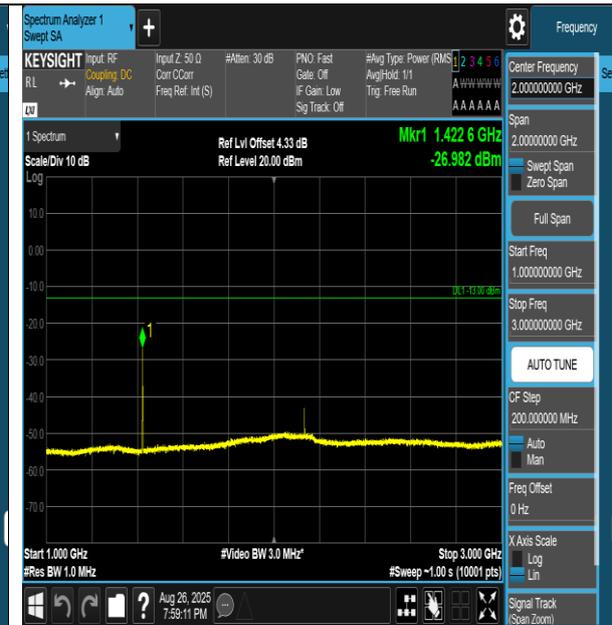
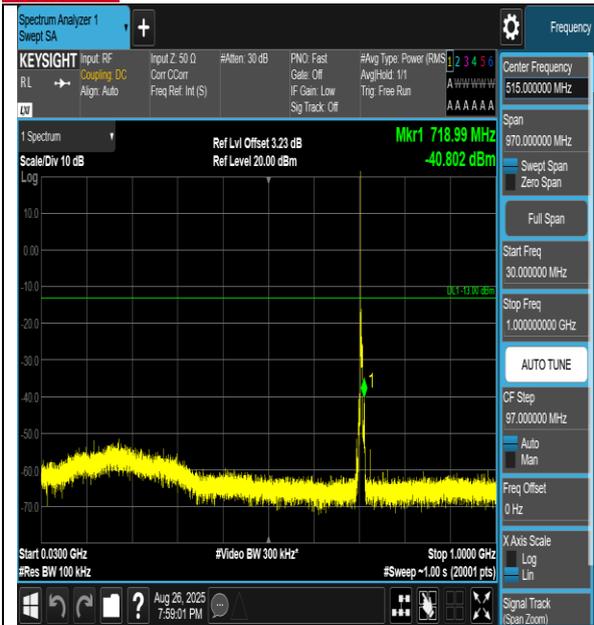


Band12-5MHz-QPSK-23155-1RB#0-30~1000-PASS

Band12-5MHz-QPSK-23155-1RB#0-1000~3000-PASS



BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



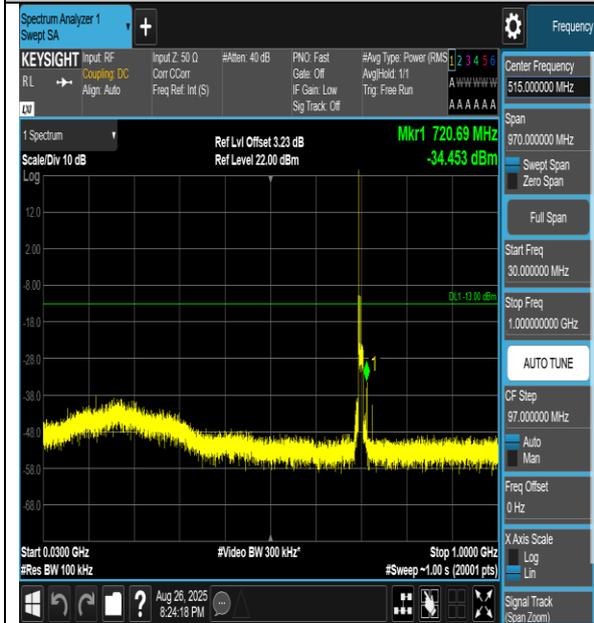


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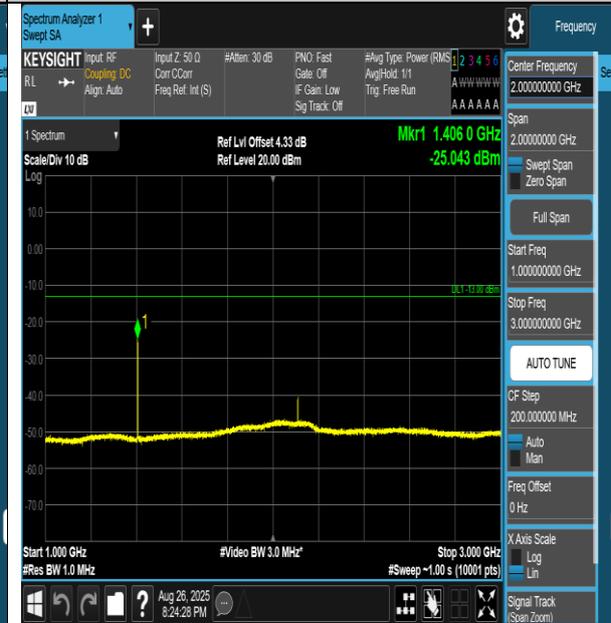


Band12-10MHz-QPSK-23095-1RB#0-30~1000-PASS

Band12-10MHz-QPSK-23095-1RB#0-1000~3000-PASS



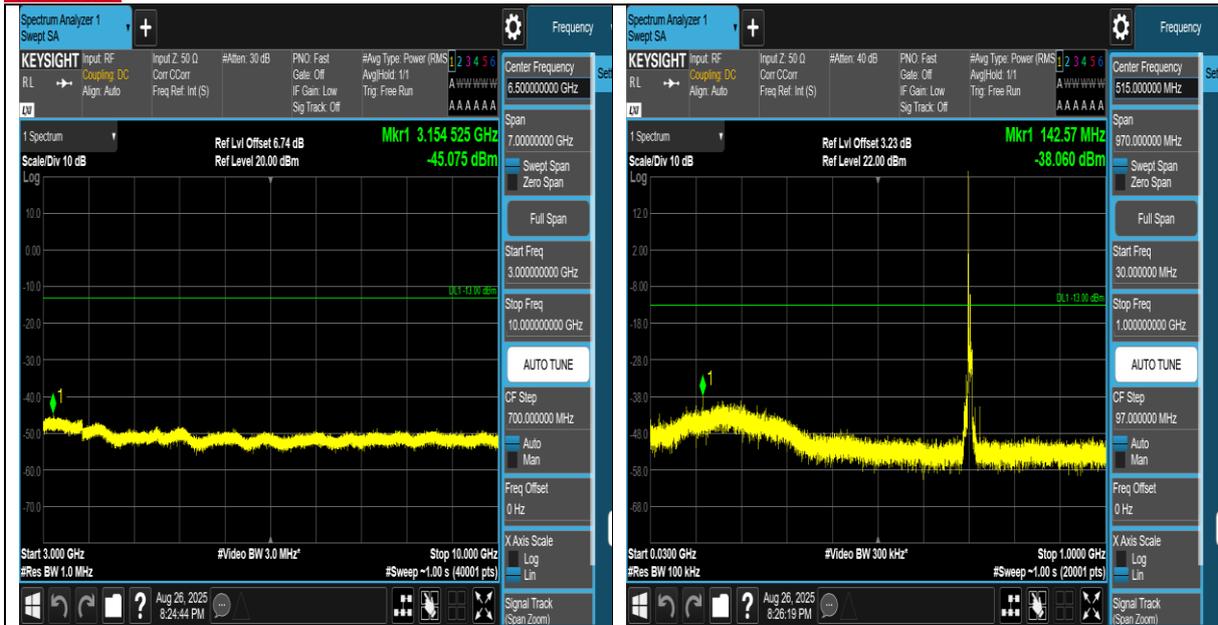
Band12-10MHz-QPSK-23095-1RB#0-3000~10000-PASS



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



BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03



Band12-10MHz-QPSK-23130-1RB#0-1000~3000-PASS

Band12-10MHz-QPSK-23130-1RB#0-3000~10000-PASS





APPENDIX : FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 2	10MHz	QPSK	23060	50RB#0	VN	NT	610.24	0.866822	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VL	NT	780.05	1.108021	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VH	NT	1650.32	2.344210	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	VN	NT	910.60	1.280732	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	VL	NT	1080.91	1.520268	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	VH	NT	1520.54	2.138590	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-30	649.78	0.922985	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-20	-1150.78	1.634635	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-10	429.59	0.610215	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	0	79.63	0.113116	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	10	-330.91	0.470038	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	20	779.84	1.107721	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	30	1200.16	1.704770	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	40	859.78	1.221280	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	50	1309.25	1.859725	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-30	849.51	1.194816	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-20	-950.82	1.337305	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-10	629.46	0.885310	±2.5	PASS
Band1	10MHz	QPSK	23130	50RB#0	NV	0	280.73	0.3948	±2.5	PASS



2								34		
Band1 2	10MHz	QPSK	23130	50RB#0	NV	10	-130.24	0.1831 72	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	20	979.86	1.3781 40	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	30	- 1000.8 0	- 1.4075 93	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	40	1060.5 1	1.4915 78	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	50	1510.2 0	2.1240 55	±2.5	PASS

LTE B13

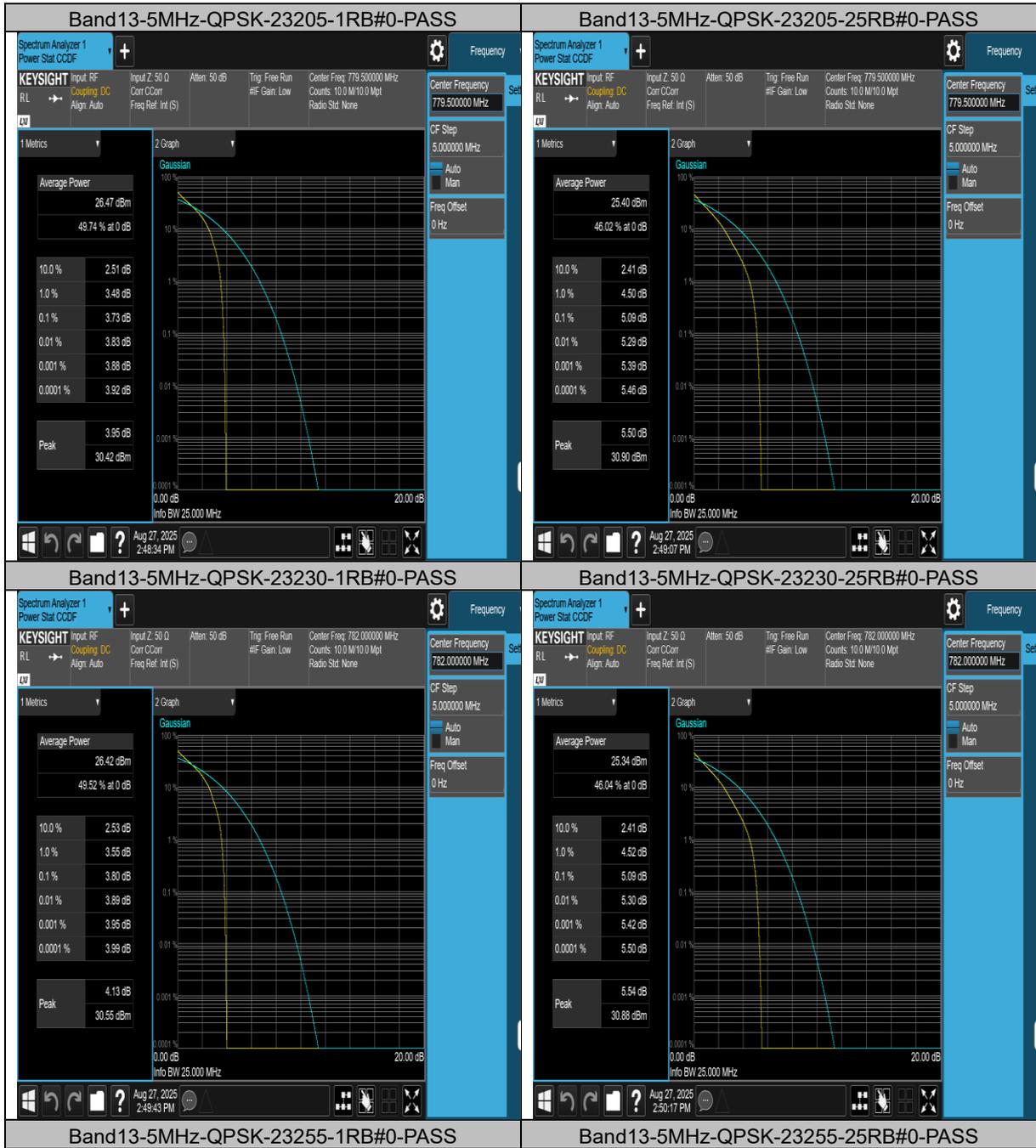
APPENDIX : PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.73	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.09	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.80	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.09	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.80	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.11	13	PASS
Band13	5MHz	64QAM	23205	1RB#0	3.71	13	PASS
Band13	5MHz	64QAM	23205	25RB#0	5.09	13	PASS
Band13	5MHz	64QAM	23230	1RB#0	3.78	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	5.08	13	PASS
Band13	5MHz	64QAM	23255	1RB#0	3.77	13	PASS
Band13	5MHz	64QAM	23255	25RB#0	5.10	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.62	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.84	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.71	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.83	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.71	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.89	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.74	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.38	13	PASS
Band13	10MHz	64QAM	23230	1RB#0	3.73	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	5.37	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.69	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.16	13	PASS



Test Graphs





BUREAU VERITAS Test Report No.: PSU-QBJ2508070215RF03

