



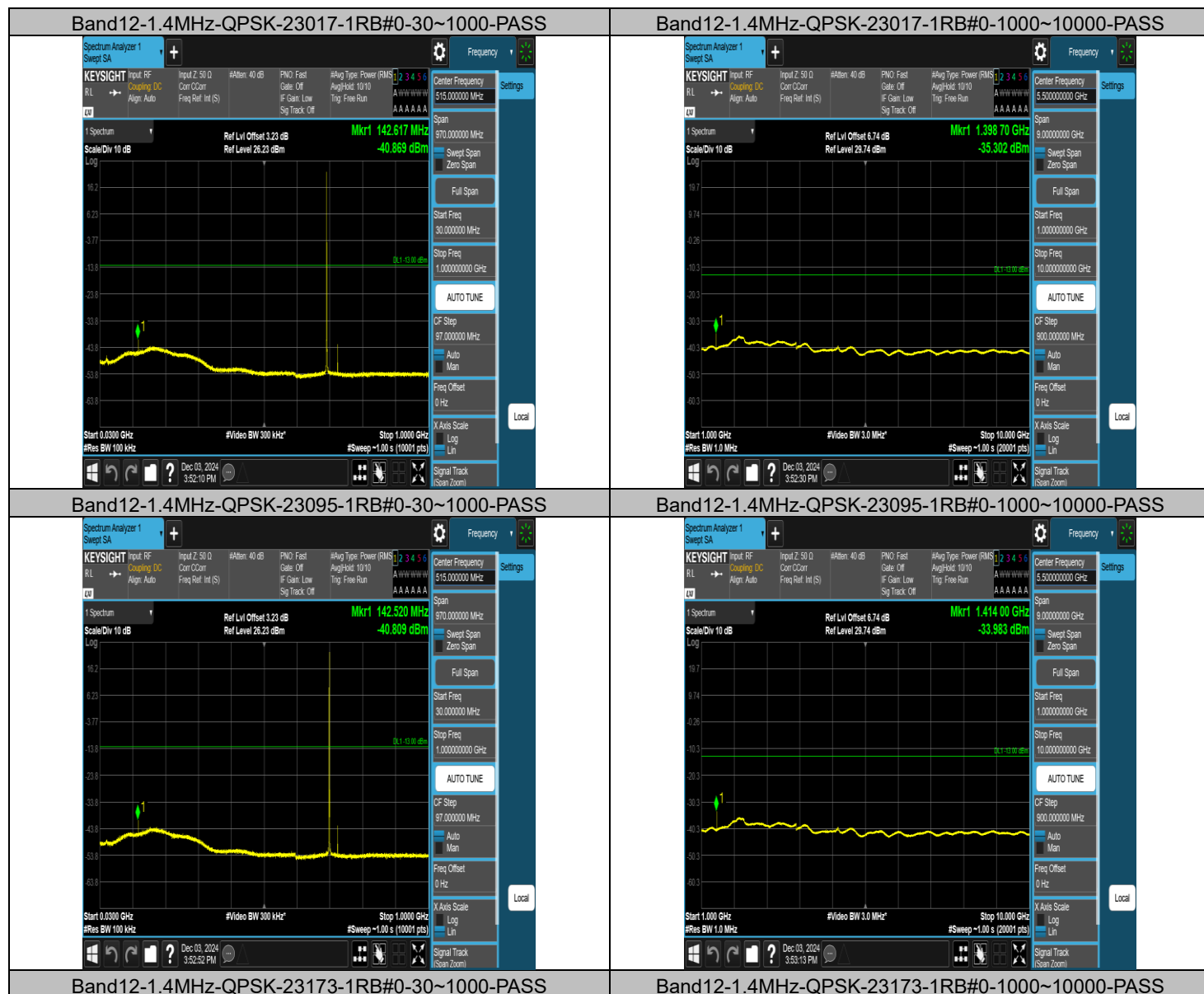
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-40.87	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~10000	-35.30	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-40.81	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~10000	-33.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-40.48	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~10000	-33.93	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-40.86	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~10000	-35.56	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-40.64	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~10000	-34.57	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-41.34	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~10000	-34.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-43.02	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~10000	-34.84	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-40.52	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~10000	-34.76	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-40.47	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~10000	-33.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-40.60	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~10000	-34.70	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-40.63	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~10000	-34.93	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-40.87	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~10000	-34.27	PASS



Test Graphs



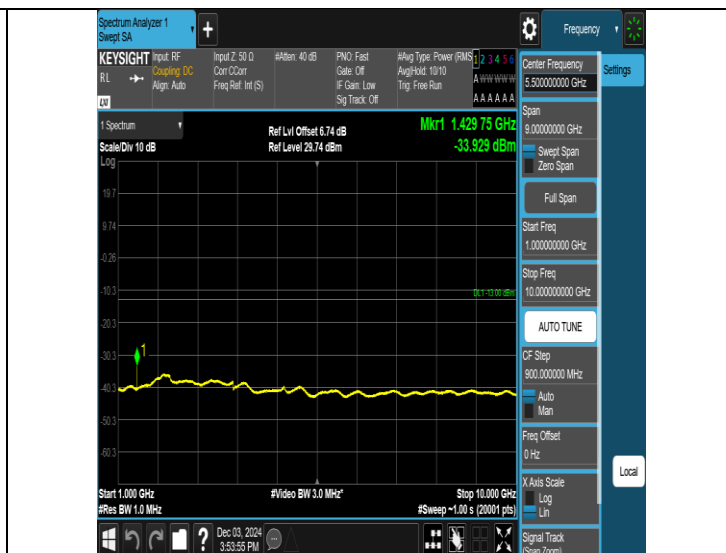


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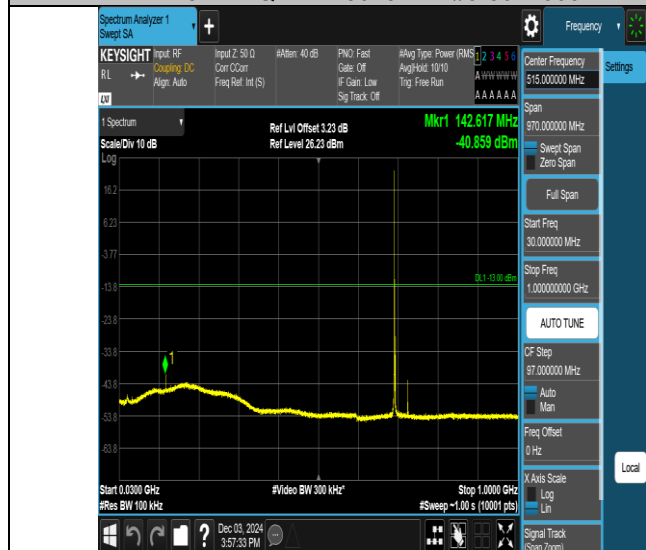
Test Report No.: PSU-QSU2411180418RF04



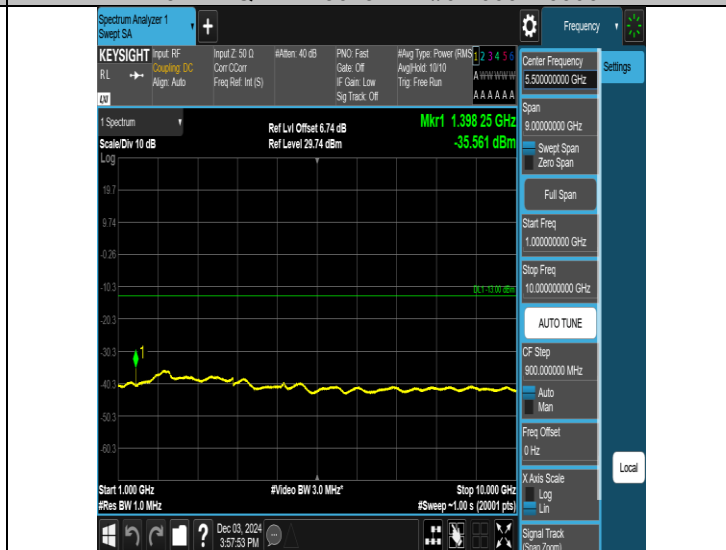
Band12-3MHz-QPSK-23025-1RB#0-30~1000-PASS



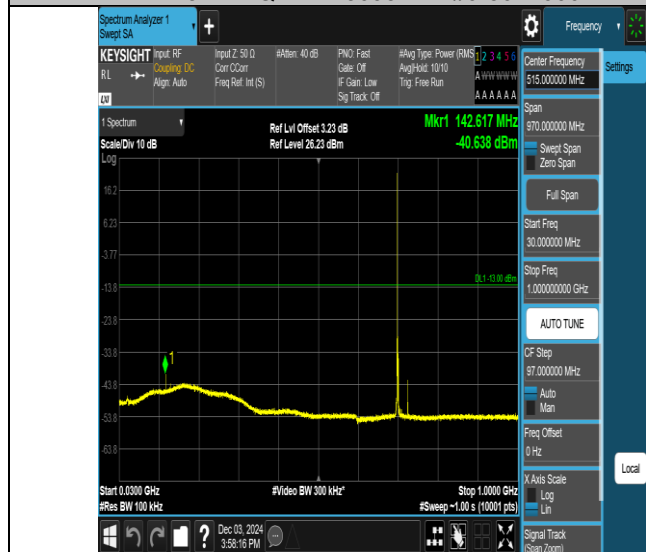
Band12-3MHz-QPSK-23025-1RB#0-1000~10000-PASS



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



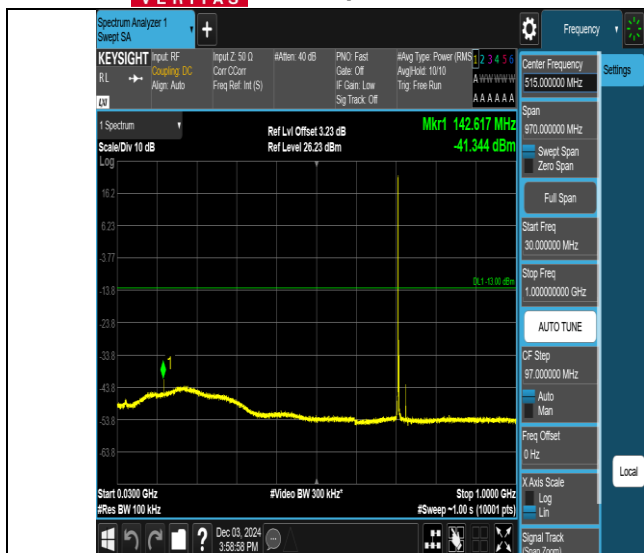
Band12-3MHz-QPSK-23095-1RB#0-1000~10000-PASS



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



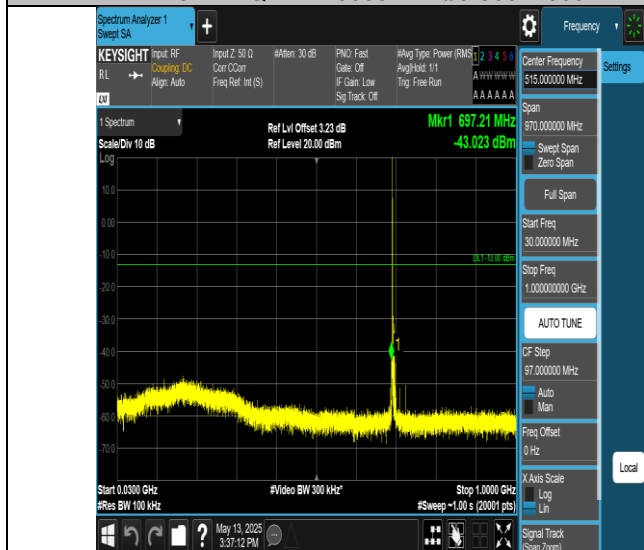
Band12-3MHz-QPSK-23165-1RB#0-1000~10000-PASS



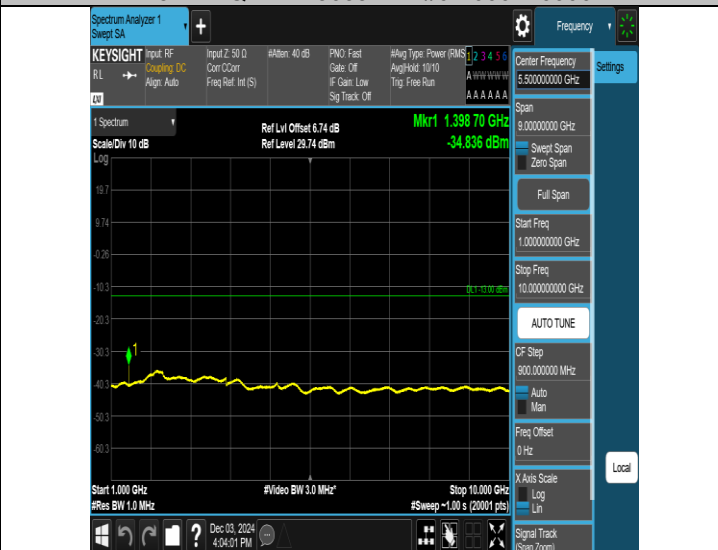
Band12-5MHz-QPSK-23035-1RB#0-300~1000-PASS



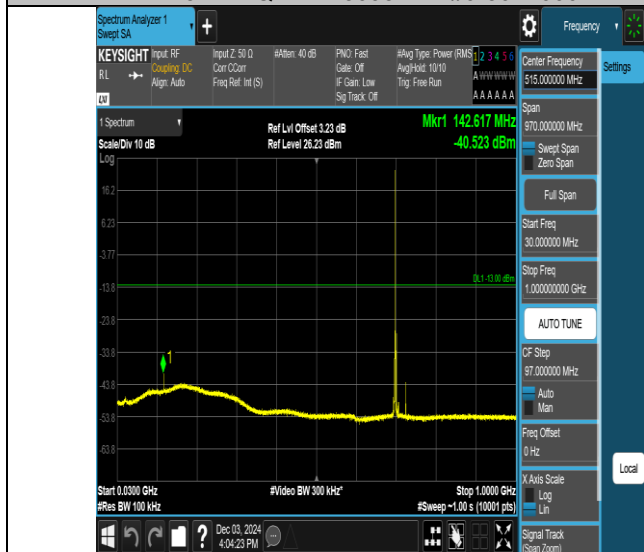
Band12-5MHz-QPSK-23035-1RB#0-1000~10000-PASS



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



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



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

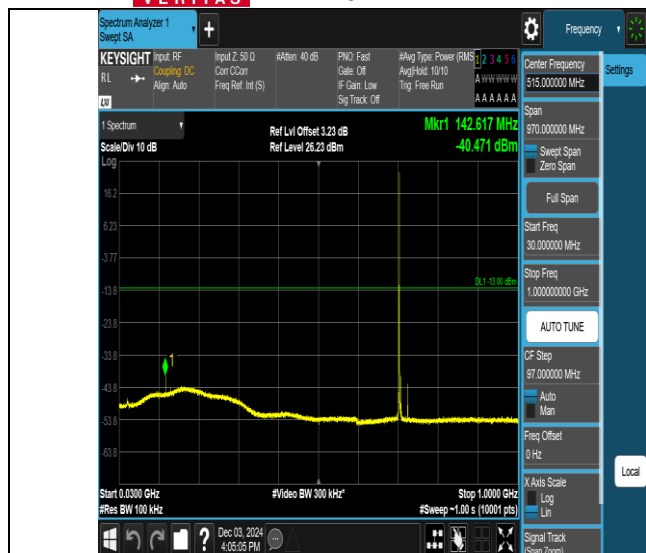


Band12-5MHz-QPSK-23155-1RB#0-1000~10000-PASS

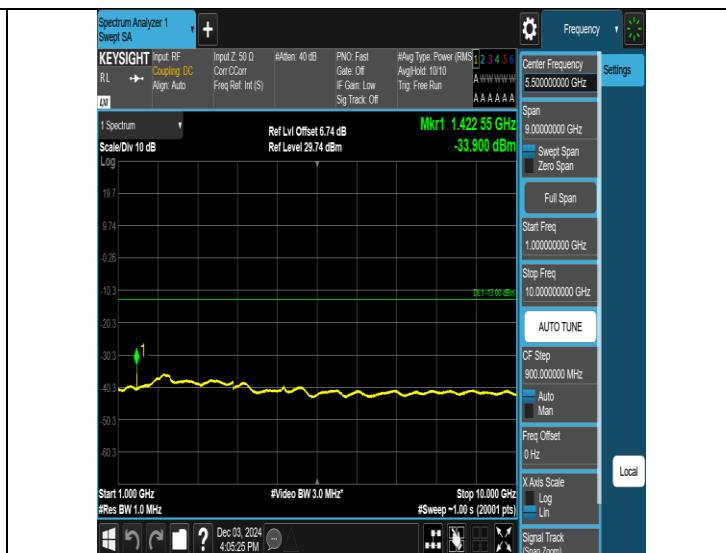


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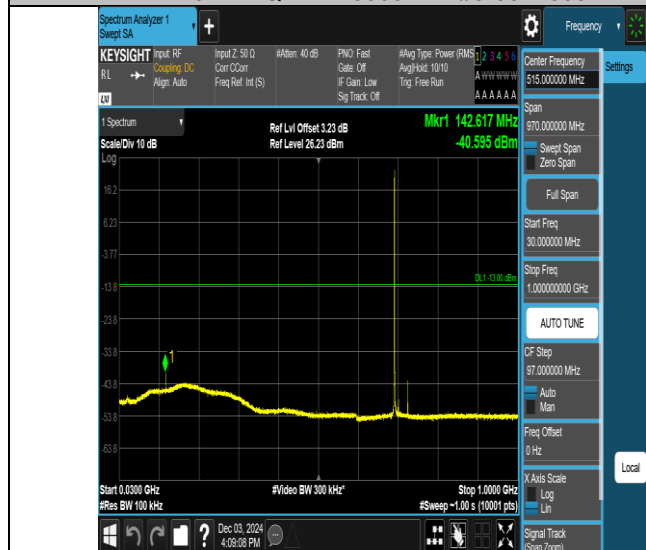
Test Report No.: PSU-QSU2411180418RF04



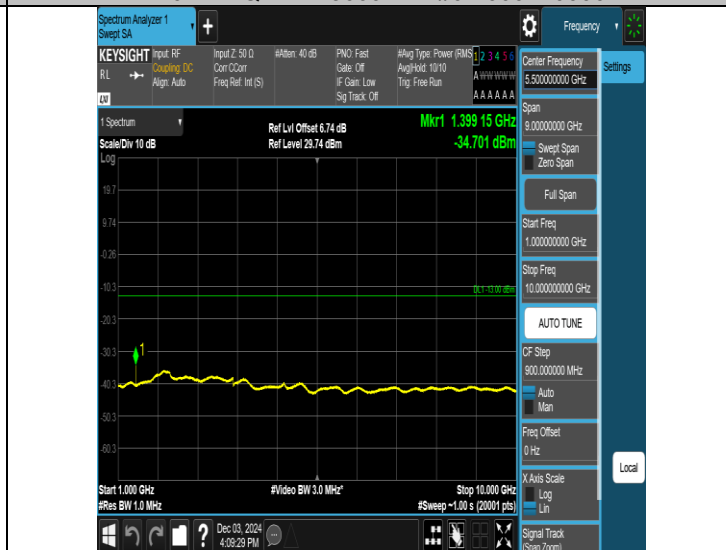
Band12-10MHz-QPSK-23060-1RB#0-30~1000-PASS



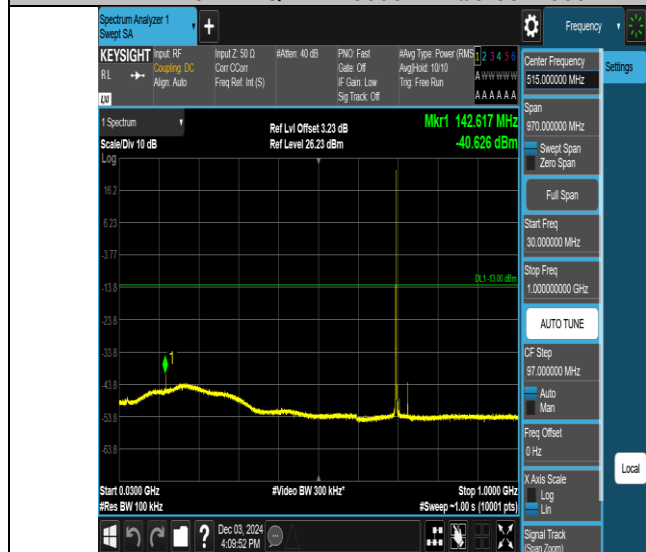
Band12-10MHz-QPSK-23060-1RB#0-1000~10000-PASS



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



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



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



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





BUREAU VERITAS Test Report No.: PSU-QSU2411180418RF04

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
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	1051.95	1.49	699.52682	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	885.82	1.26	699.54144	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	770.00	1.09	699.52601	--	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	956.27	1.34	--	715.45921	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	712.70	1.00	--	715.46883	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	430.54	0.61	--	715.47026	699-716	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	958.45	1.36	699.53008	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	853.97	1.21	699.52241	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	805.12	1.14	699.53147	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	635.87	0.90	699.53624	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	516.87	0.73	699.53536	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	379.83	0.54	699.54207	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	313.56	0.45	699.52633	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	266.56	0.38	699.52739	--	699-716	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	194.23	0.28	699.52553	--	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	937.25	1.32	--	715.46247	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	693.63	0.98	--	715.46392	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	595.04	0.84	--	715.47032	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	472.74	0.66	--	715.47227	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	350.64	0.49	--	715.46586	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	152.62	0.21	--	715.46319	699-716	PASS

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											716	
Band12	10MHz	QPSK	23130	50RB#0	NV	30	259.58	0.37	--	715.47641	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	521.24	0.73	--	715.46339	699-716	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	698.31	0.98	--	715.47410	699-716	PASS



LTE BAND 13

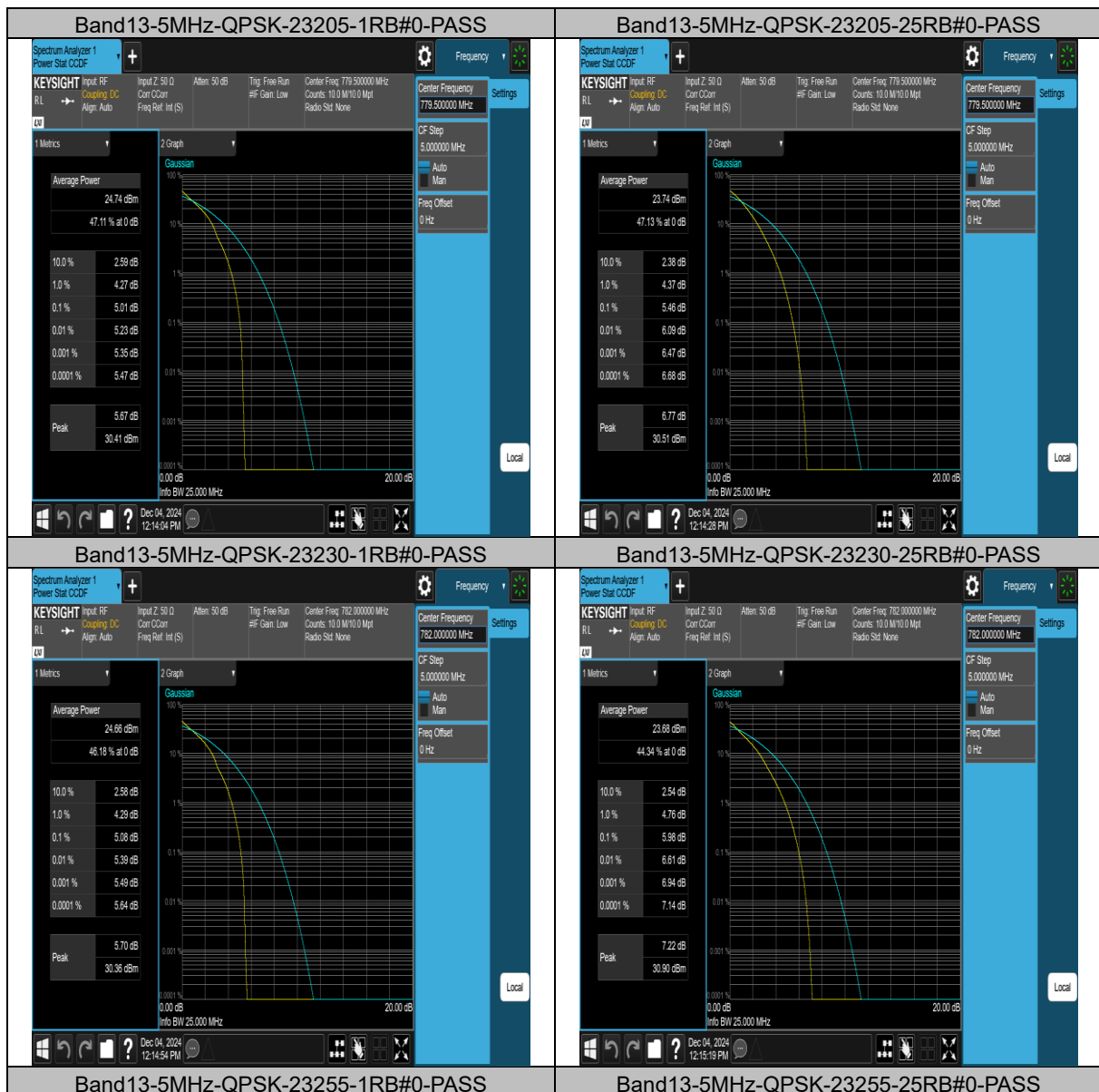
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	5.01	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.46	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.08	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.98	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.77	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.90	13	PASS
Band13	5MHz	64QAM	23205	1RB#0	6.77	13	PASS
Band13	5MHz	64QAM	23205	25RB#0	6.58	13	PASS
Band13	5MHz	64QAM	23230	1RB#0	6.34	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	6.90	13	PASS
Band13	5MHz	64QAM	23255	1RB#0	6.82	13	PASS
Band13	5MHz	64QAM	23255	25RB#0	6.90	13	PASS
Band13	5MHz	256QAM	23205	1RB#0	7.05	13	PASS
Band13	5MHz	256QAM	23205	25RB#0	6.72	13	PASS
Band13	5MHz	256QAM	23230	1RB#0	6.80	13	PASS
Band13	5MHz	256QAM	23230	25RB#0	6.97	13	PASS
Band13	5MHz	256QAM	23255	1RB#0	7.10	13	PASS
Band13	5MHz	256QAM	23255	25RB#0	6.94	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.73	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.30	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.98	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.72	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	6.54	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.70	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	5.09	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.89	13	PASS
Band13	10MHz	64QAM	23230	1RB#0	6.71	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.84	13	PASS
Band13	10MHz	256QAM	23230	1RB#0	6.95	13	PASS
Band13	10MHz	256QAM	23230	50RB#0	6.91	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.85	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.62	13	PASS

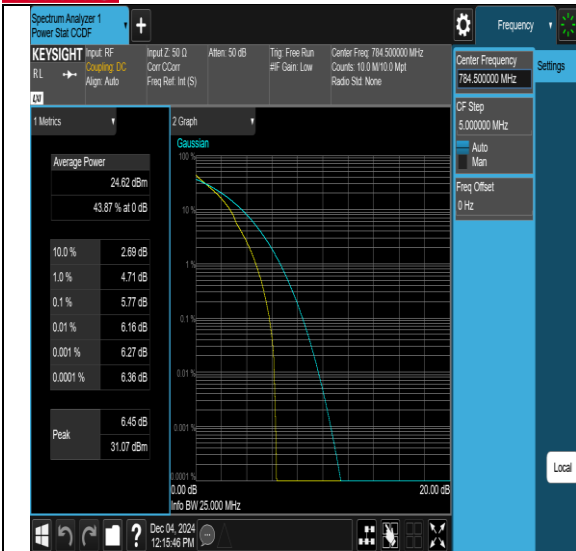


Test Graphs

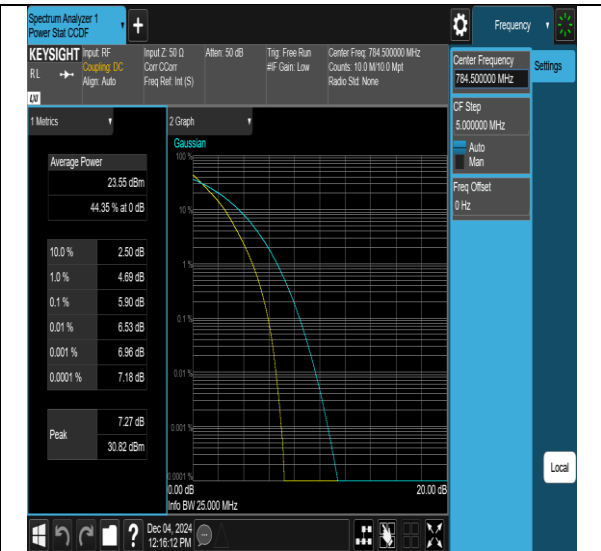




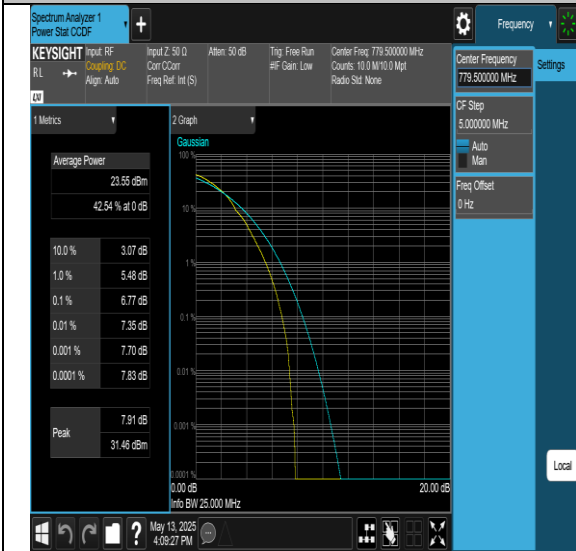
BUREAU VERITAS Test Report No.: PSU-QSU2411180418RF04



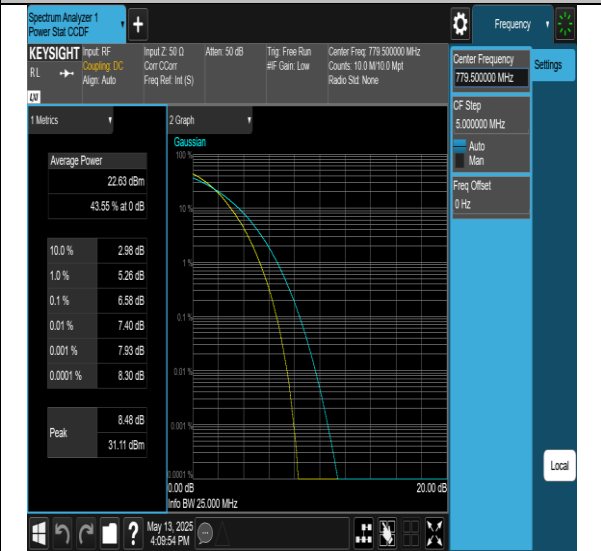
Band13-5MHz-64QAM-23205-1RB#0-PASS



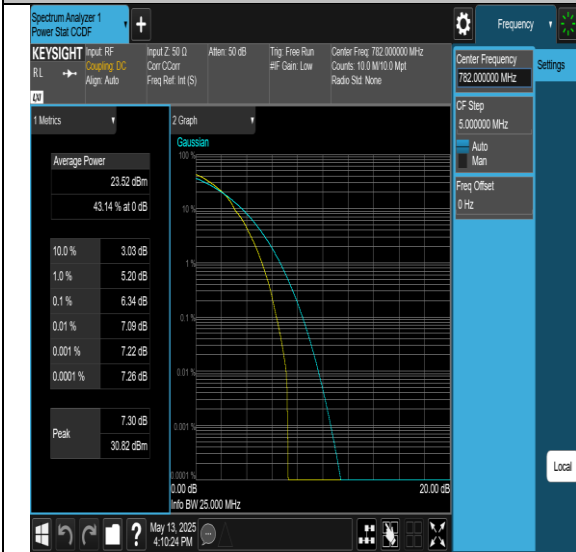
Band13-5MHz-64QAM-23205-25RB#0-PASS



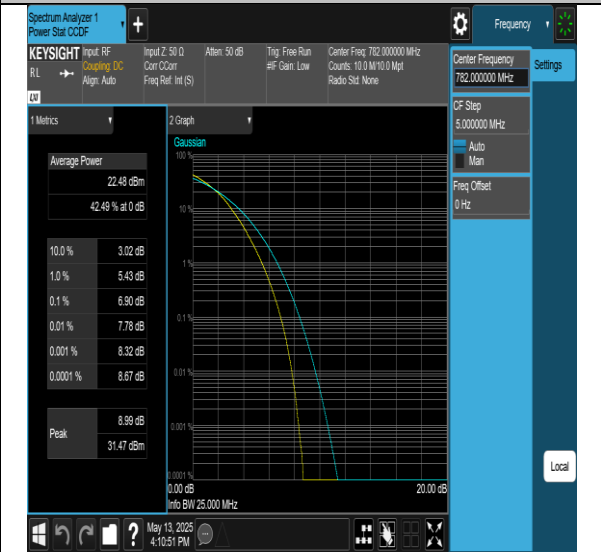
Band13-5MHz-64QAM-23230-1RB#0-PASS



Band13-5MHz-64QAM-23230-25RB#0-PASS



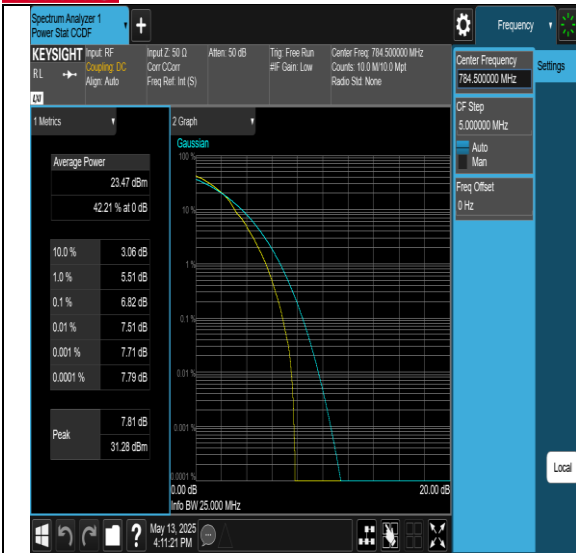
Band13-5MHz-64QAM-23255-1RB#0-PASS



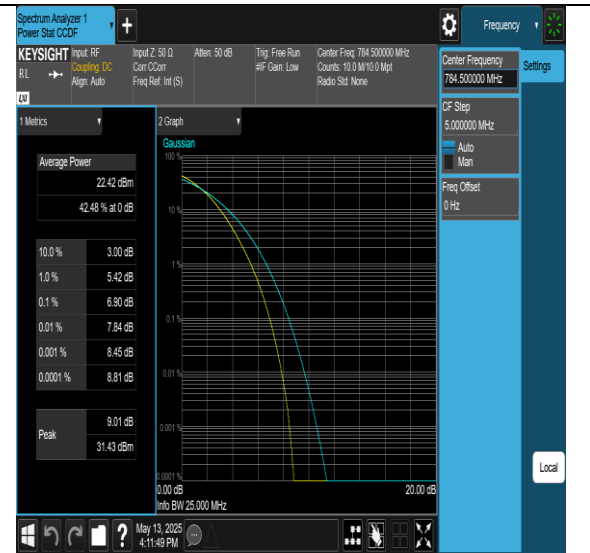
Band13-5MHz-64QAM-23255-25RB#0-PASS



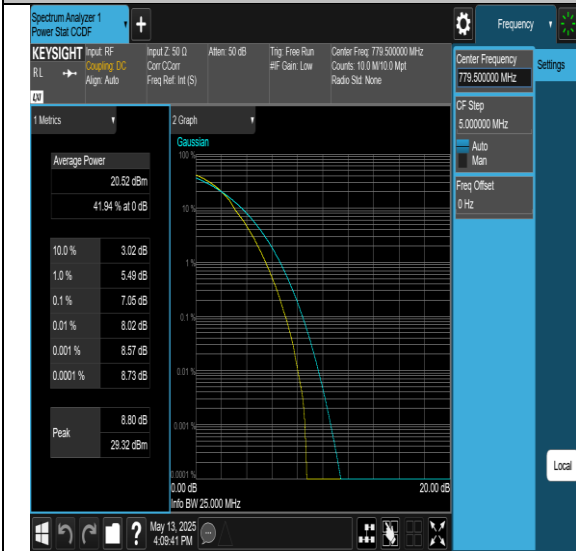
BUREAU VERITAS Test Report No.: PSU-QSU2411180418RF04



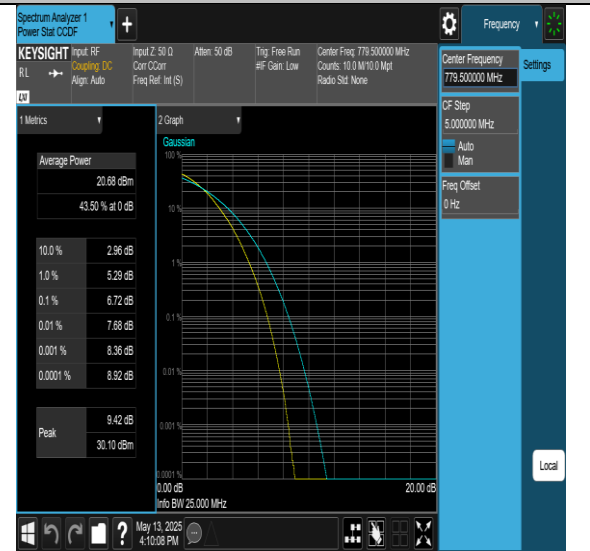
Band13-5MHz-256QAM-23205-1RB#0-PASS



Band13-5MHz-256QAM-23205-25RB#0-PASS



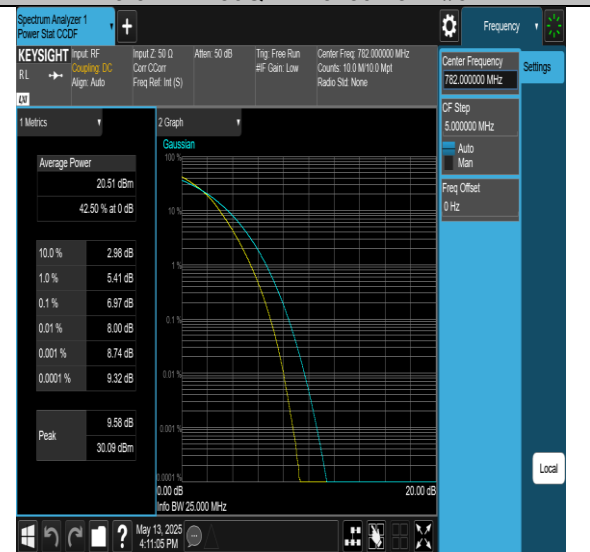
Band13-5MHz-256QAM-23230-1RB#0-PASS



Band13-5MHz-256QAM-23230-25RB#0-PASS



Band13-5MHz-256QAM-23255-1RB#0-PASS



Band13-5MHz-256QAM-23255-25RB#0-PASS



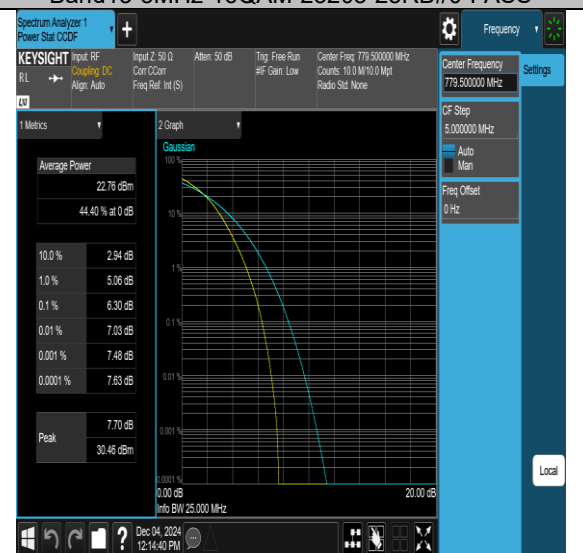
Band13-5MHz-16QAM-23205-1RB#0-PASS



Band13-5MHz-16QAM-23205-25RB#0-PASS



Band13-5MHz-16QAM-23230-1RB#0-PASS



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



Band13-5MHz-16QAM-23255-1RB#0-PASS

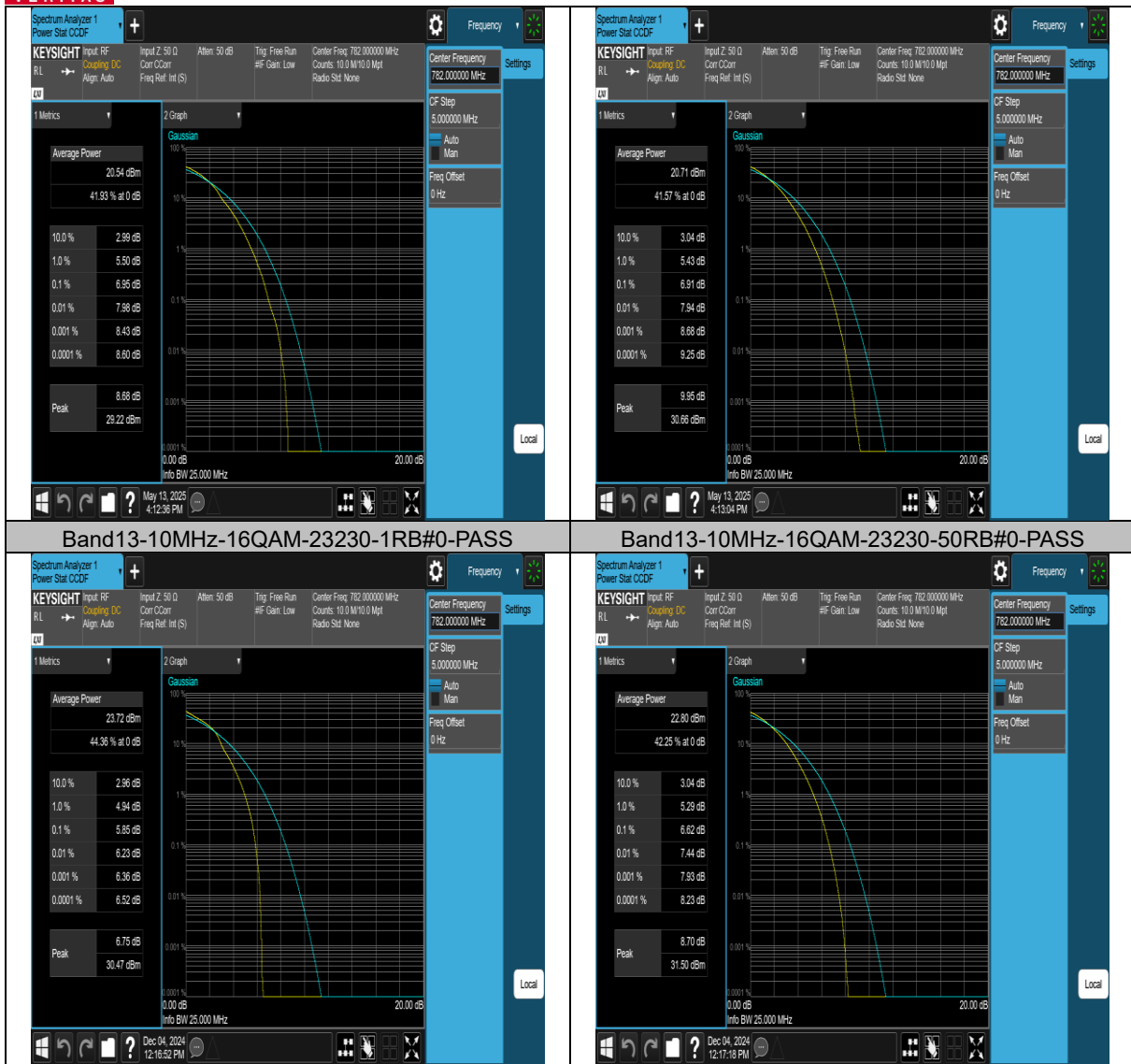


Band13-5MHz-16QAM-23255-25RB#0-PASS





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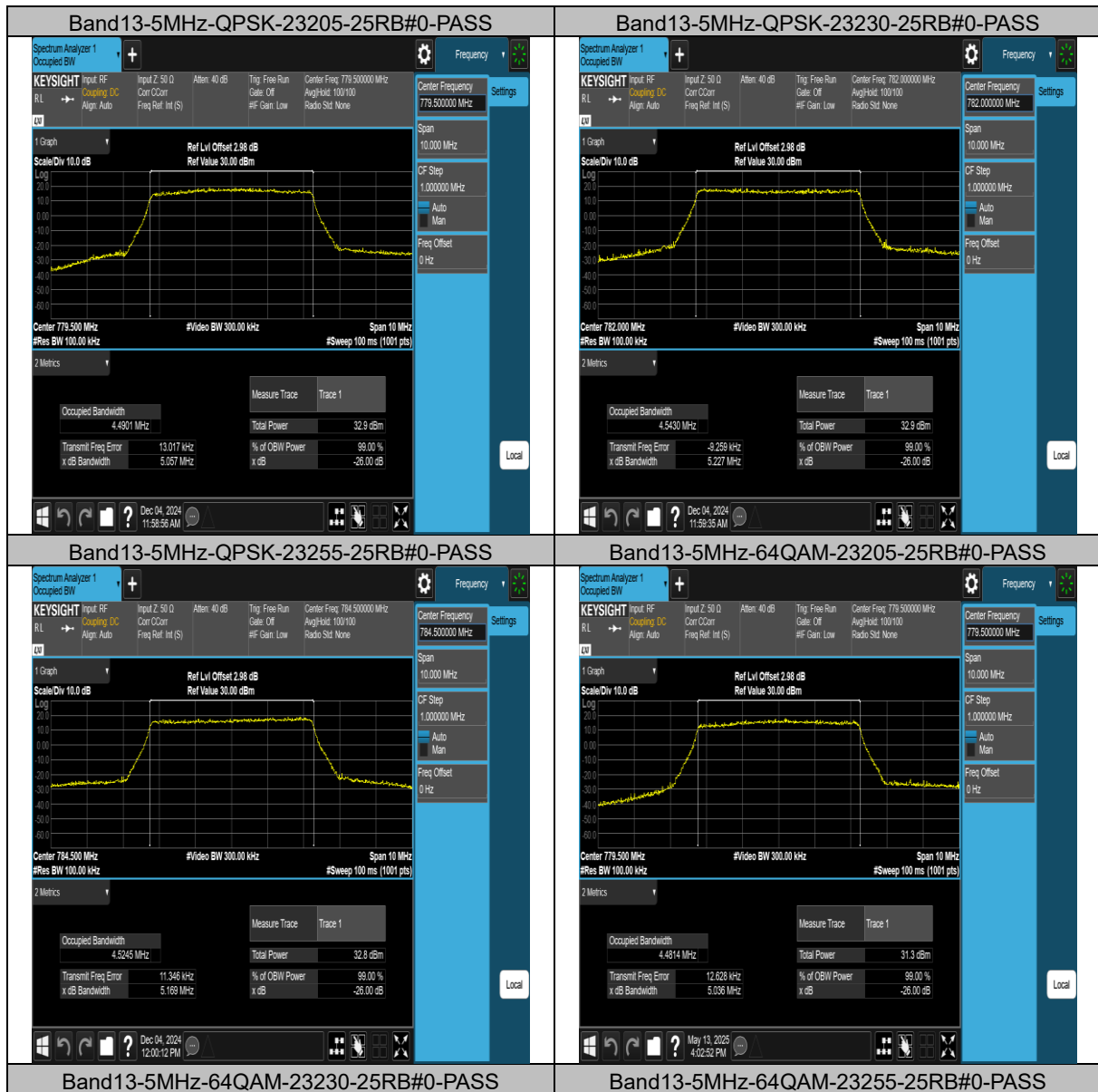
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4901	5.057	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5430	5.227	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5245	5.169	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.4814	5.036	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.5324	5.156	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.5237	5.198	PASS
Band13	5MHz	256QAM	23205	25RB#0	4.4832	5.076	PASS
Band13	5MHz	256QAM	23230	25RB#0	4.5301	5.204	PASS
Band13	5MHz	256QAM	23255	25RB#0	4.5292	5.147	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4821	5.083	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5341	5.182	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5216	5.171	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9788	10.00	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.9617	9.908	PASS
Band13	10MHz	256QAM	23230	50RB#0	8.9698	10.01	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9905	9.991	PASS



Test Graphs

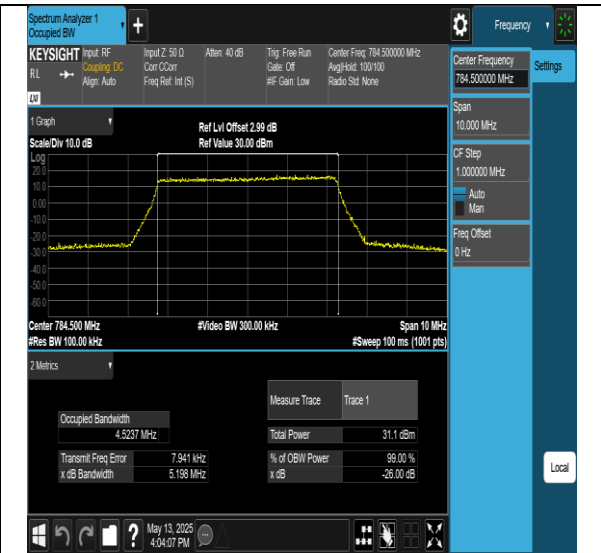




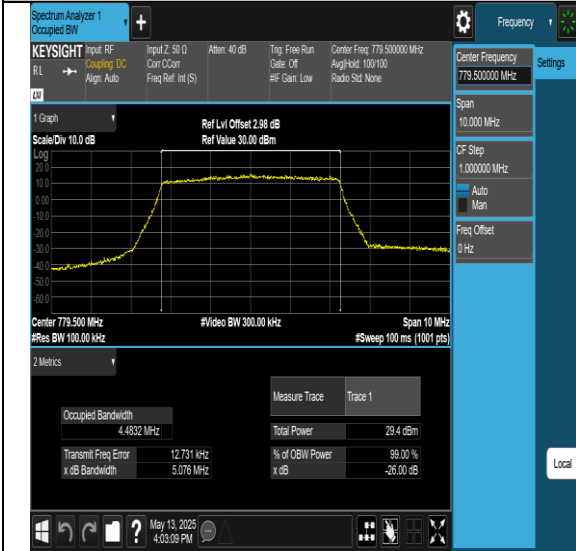
BUREAU VERITAS Test Report No.: PSU-QSU2411180418RF04



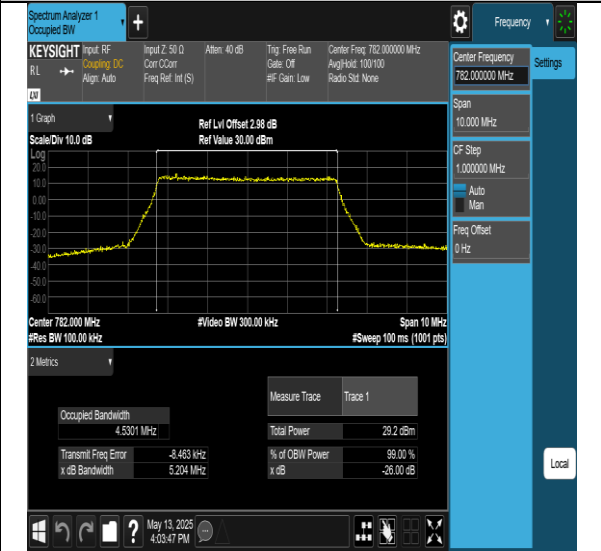
Band13-5MHz-256QAM-23205-25RB#0-PASS



Band13-5MHz-256QAM-23230-25RB#0-PASS



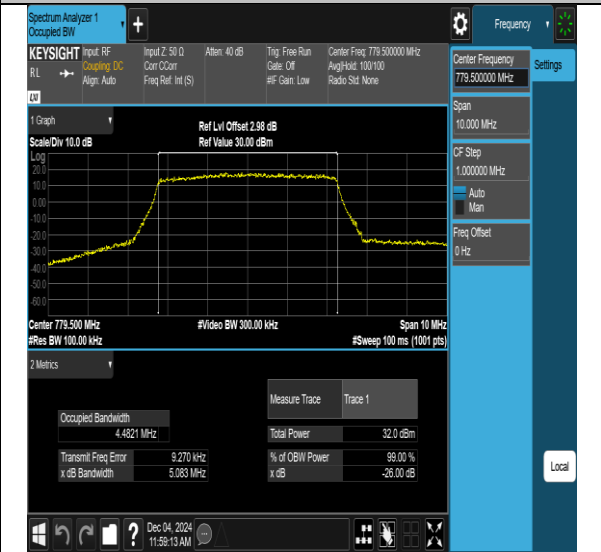
Band13-5MHz-256QAM-23255-25RB#0-PASS



Band13-5MHz-16QAM-23205-25RB#0-PASS



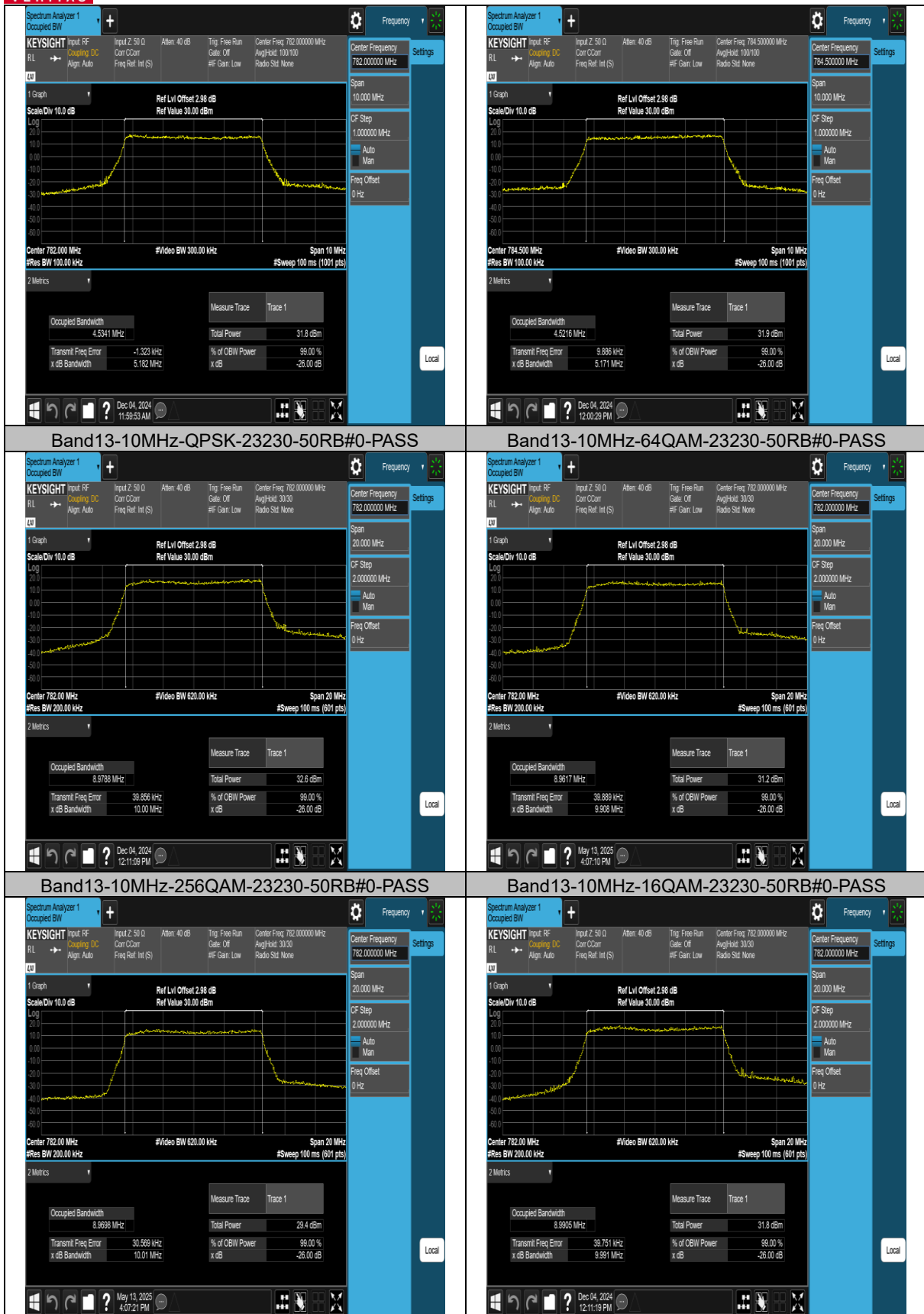
Band13-5MHz-16QAM-23230-25RB#0-PASS



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



BUREAU VERITAS Test Report No.: PSU-QSU2411180418RF04



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BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-63.16	PASS
Band13	5MHz	QPSK	23205	25RB#0	-52.86	PASS
Band13	5MHz	QPSK	23255	1RB#24	-63.44	PASS
Band13	5MHz	QPSK	23255	25RB#0	-53.59	PASS
Band13	5MHz	64QAM	23205	1RB#0	-57.43	PASS
Band13	5MHz	64QAM	23205	25RB#0	-54.09	PASS
Band13	5MHz	64QAM	23255	1RB#24	-58.21	PASS
Band13	5MHz	64QAM	23255	25RB#0	-53.93	PASS
Band13	5MHz	256QAM	23205	1RB#0	-57.57	PASS
Band13	5MHz	256QAM	23205	25RB#0	-57.86	PASS
Band13	5MHz	256QAM	23255	1RB#24	-57.05	PASS
Band13	5MHz	256QAM	23255	25RB#0	-56.06	PASS
Band13	5MHz	16QAM	23205	1RB#0	-63.20	PASS
Band13	5MHz	16QAM	23205	25RB#0	-53.94	PASS
Band13	5MHz	16QAM	23255	1RB#24	-63.40	PASS
Band13	5MHz	16QAM	23255	25RB#0	-55.10	PASS
Band13	10MHz	QPSK	23230	1RB#0	-63.03	PASS
Band13	10MHz	QPSK	23230	1RB#49	-63.84	PASS
Band13	10MHz	QPSK	23230	50RB#0	-51.35	PASS
Band13	10MHz	64QAM	23230	1RB#0	-58.34	PASS
Band13	10MHz	64QAM	23230	1RB#49	-58.59	PASS
Band13	10MHz	64QAM	23230	50RB#0	-49.94	PASS
Band13	10MHz	256QAM	23230	1RB#0	-57.00	PASS
Band13	10MHz	256QAM	23230	1RB#49	-57.98	PASS
Band13	10MHz	256QAM	23230	50RB#0	-51.71	PASS
Band13	10MHz	16QAM	23230	1RB#0	-63.69	PASS
Band13	10MHz	16QAM	23230	1RB#49	-63.73	PASS
Band13	10MHz	16QAM	23230	50RB#0	-51.38	PASS



Test Graphs

