

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Gain(dBi)	E(I)RP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.34	3	26.34	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.11	3	26.11	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.22	3	26.22	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.4	3	25.4	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.85	3	26.85	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.65	3	26.65	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.59	3	26.59	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.68	3	25.68	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.03	3	27.03	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.74	3	26.74	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.67	3	26.67	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.83	3	25.83	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.27	3	25.27	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.22	3	25.22	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.36	3	25.36	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.59	3	24.59	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.11	3	26.11	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.82	3	25.82	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.89	3	25.89	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.75	3	24.75	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	23.05	3	26.05	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.7	3	25.7	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.77	3	25.77	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.99	3	24.99	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.12	3	26.12	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.08	3	26.08	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.53	3	26.53	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.49	3	25.49	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.96	3	26.96	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.5	3	26.5	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.56	3	26.56	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.61	3	25.61	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	24.32	3	27.32	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.84	3	26.84	33	PASS

Band7	10MHz	QPSK	21400	1RB#49	23.88	3	26.88	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.17	3	26.17	33	PASS
Band7	10MHz	16QAM	20800	27RB#0	21.3	3	24.3	33	PASS
Band7	10MHz	16QAM	21100	27RB#0	21.72	3	24.72	33	PASS
Band7	10MHz	16QAM	21400	27RB#0	21.93	3	24.93	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.69	3	25.69	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.32	3	25.32	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.04	3	26.04	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.01	3	26.01	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.81	3	25.81	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.6	3	25.6	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.32	3	26.32	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.82	3	25.82	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.96	3	25.96	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.91	3	25.91	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.27	3	26.27	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.66	3	26.66	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.68	3	25.68	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.9	3	26.9	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.64	3	26.64	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.38	3	26.38	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.63	3	25.63	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	24.51	3	27.51	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.01	3	27.01	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.81	3	26.81	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.33	3	26.33	33	PASS
Band7	15MHz	16QAM	20825	27RB#0	21.43	3	24.43	33	PASS
Band7	15MHz	16QAM	21100	27RB#0	21.85	3	24.85	33	PASS
Band7	15MHz	16QAM	21375	27RB#0	22.33	3	25.33	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.48	3	25.48	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.5	3	25.5	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.22	3	26.22	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.02	3	26.02	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.74	3	25.74	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.48	3	25.48	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.46	3	26.46	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.88	3	25.88	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.86	3	25.86	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.08	3	26.08	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.27	3	26.27	33	PASS

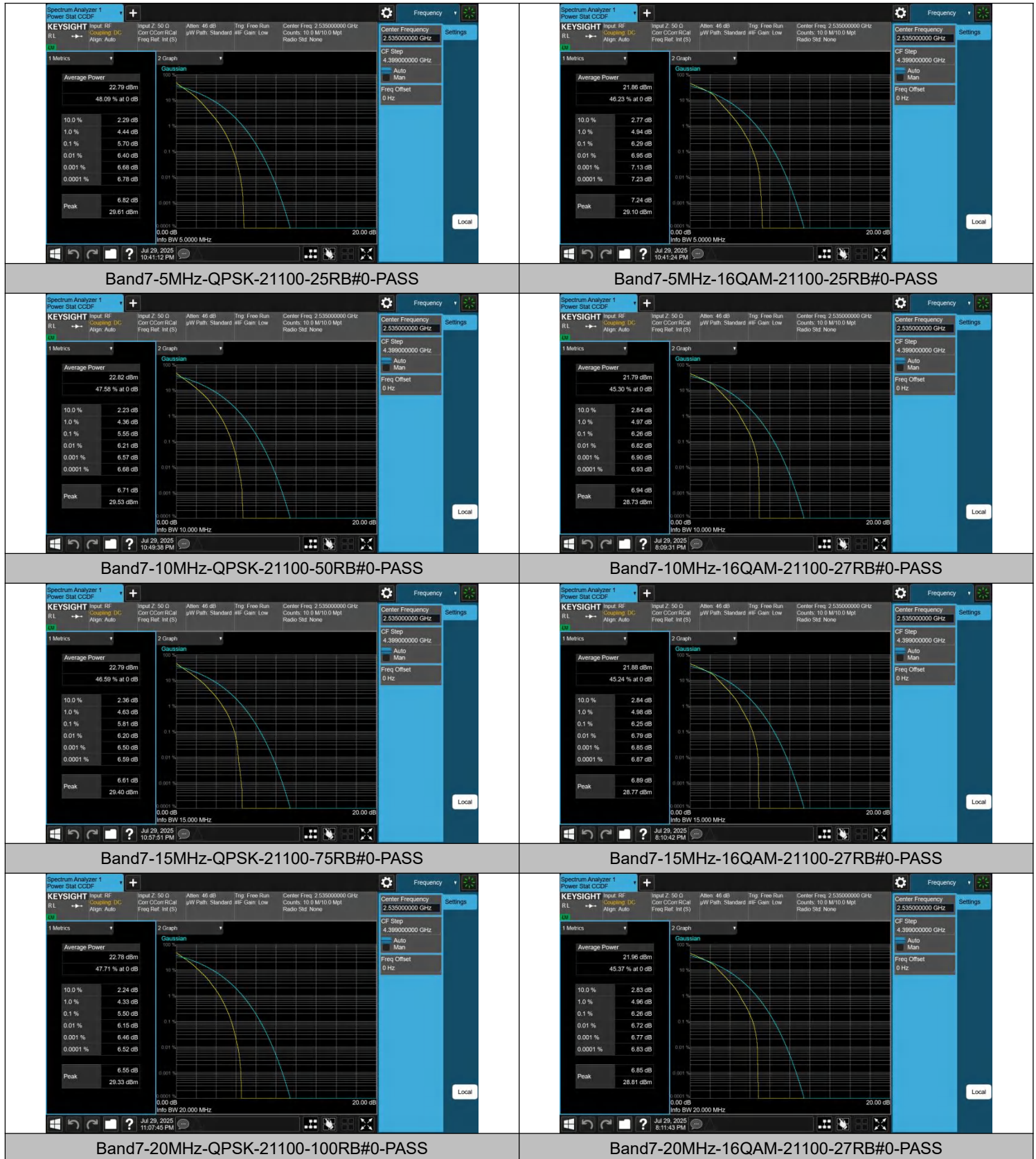
Band7	20MHz	QPSK	20850	1RB#99	23.83	3	26.83	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.75	3	25.75	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.24	3	27.24	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.49	3	26.49	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.53	3	26.53	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.77	3	25.77	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	24.29	3	27.29	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.08	3	27.08	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.64	3	26.64	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.32	3	26.32	33	PASS
Band7	20MHz	16QAM	20850	27RB#0	21.28	3	24.28	33	PASS
Band7	20MHz	16QAM	21100	27RB#0	21.97	3	24.97	33	PASS
Band7	20MHz	16QAM	21350	27RB#0	22.31	3	25.31	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.36	3	25.36	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.44	3	25.44	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.22	3	26.22	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.52	3	26.52	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.55	3	25.55	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.98	3	25.98	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.62	3	26.62	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.07	3	26.07	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.97	3	25.97	33	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	5.70	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.29	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.55	13	PASS
Band7	10MHz	16QAM	21100	27RB#0	6.26	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.81	13	PASS
Band7	15MHz	16QAM	21100	27RB#0	6.25	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.50	13	PASS
Band7	20MHz	16QAM	21100	27RB#0	6.26	13	PASS

Test Graphs

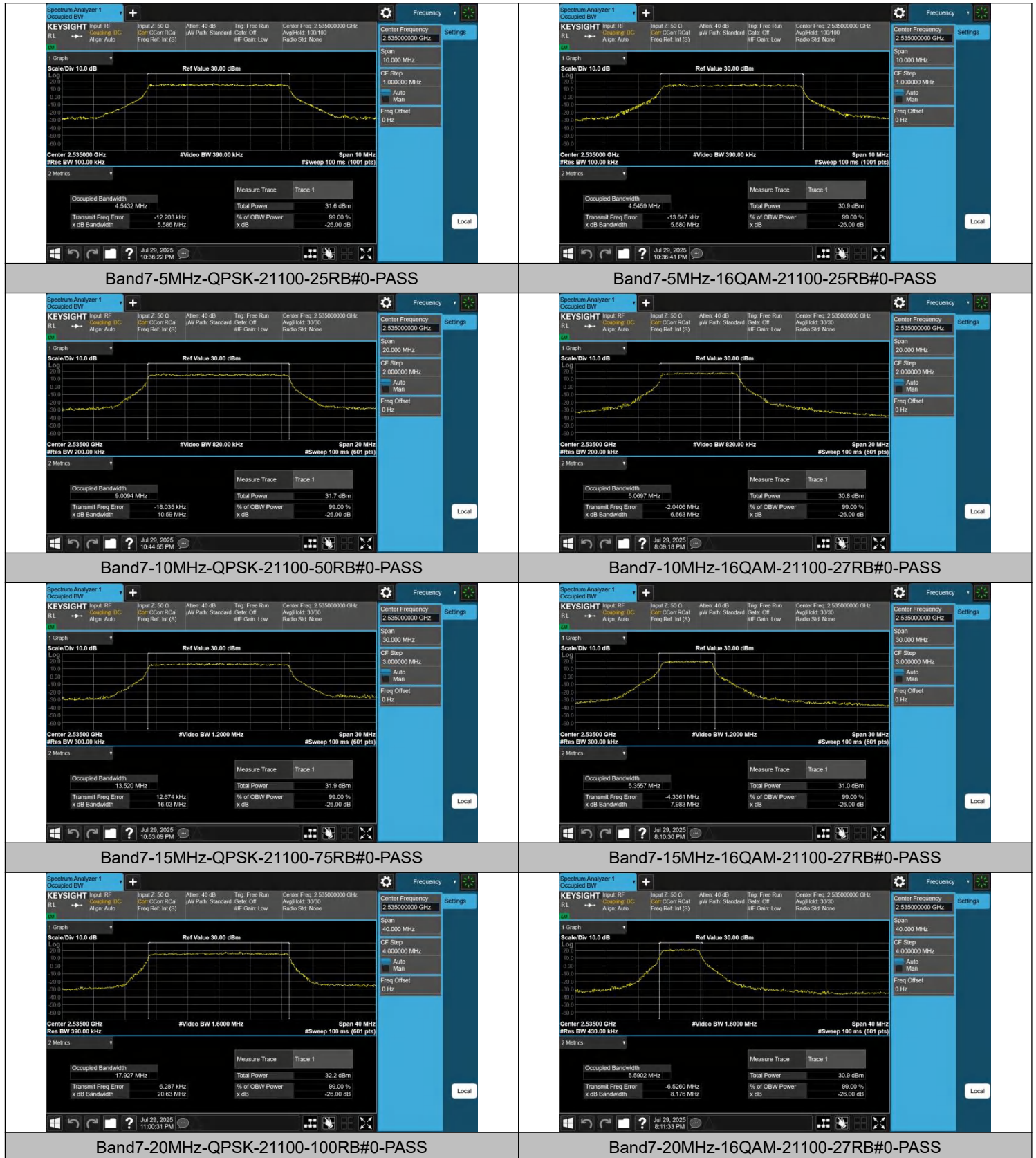


26dB Bandwidth and Occupied Bandwidth

Test Result

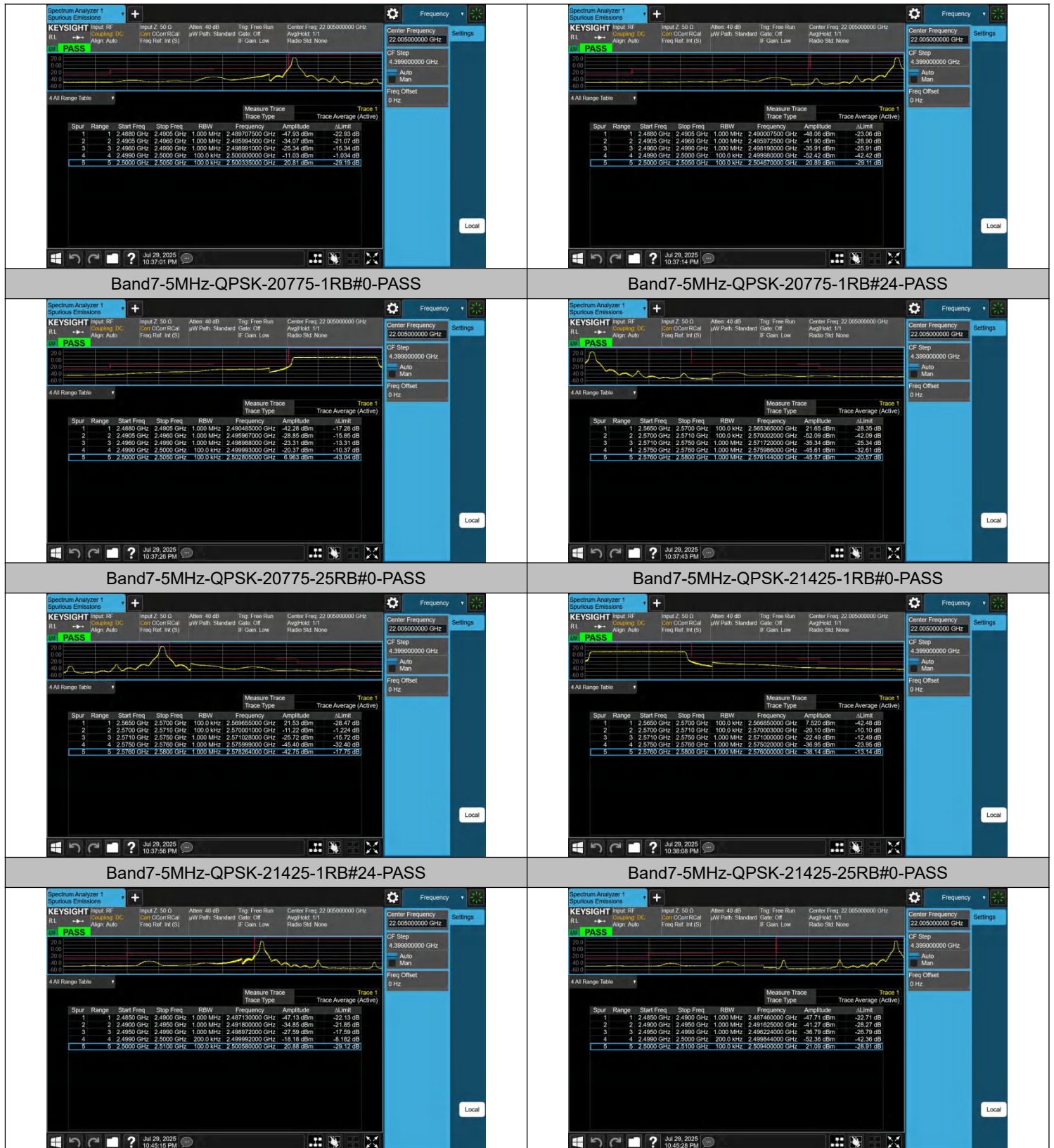
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.5432	5.586	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5459	5.680	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0094	10.59	PASS
Band7	10MHz	16QAM	21100	27RB#0	5.0697	6.663	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.520	16.03	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.3557	7.983	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.927	20.63	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.5902	8.176	PASS

Test Graphs

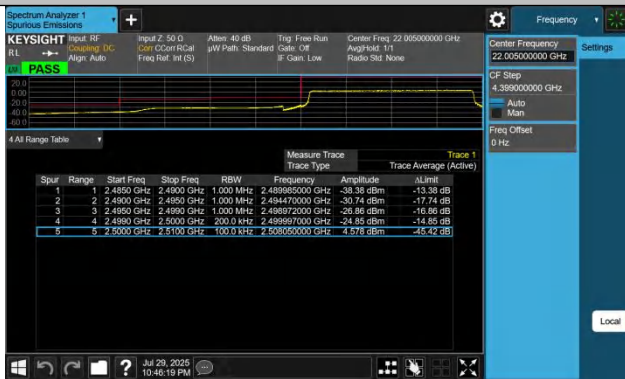


Band Edge

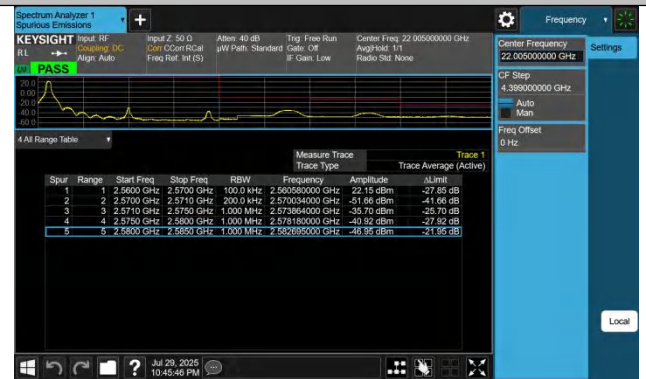
Test Graphs



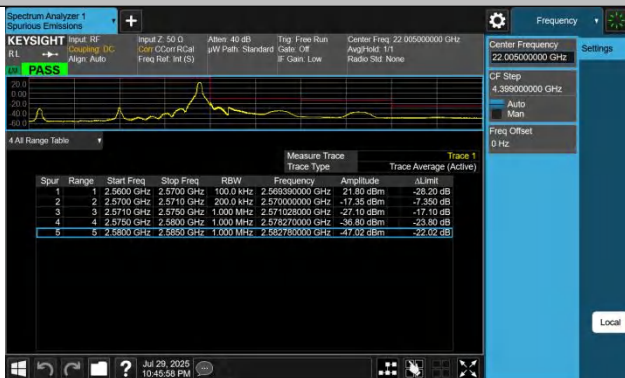
Band7-10MHz-QPSK-20800-1RB#0-PASS



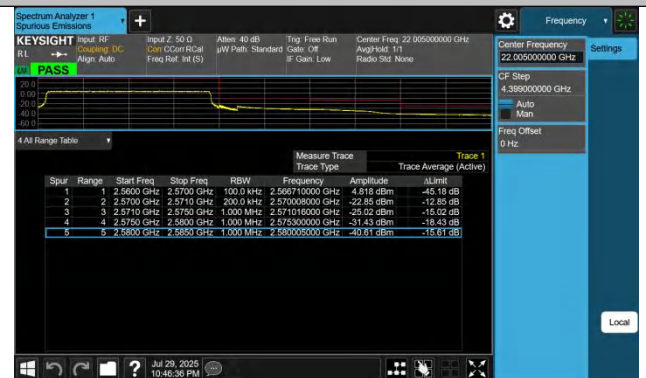
Band7-10MHz-QPSK-20800-1RB#49-PASS



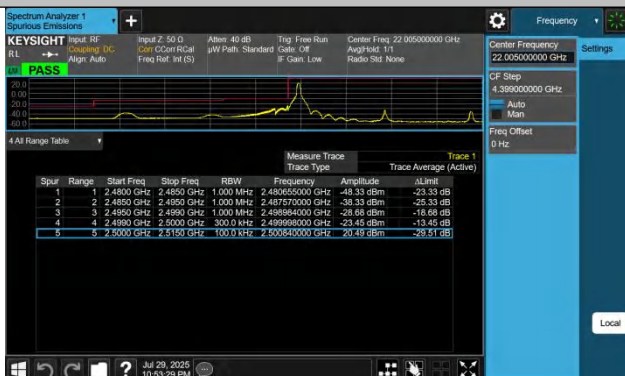
Band7-10MHz-QPSK-20800-50RB#0-PASS



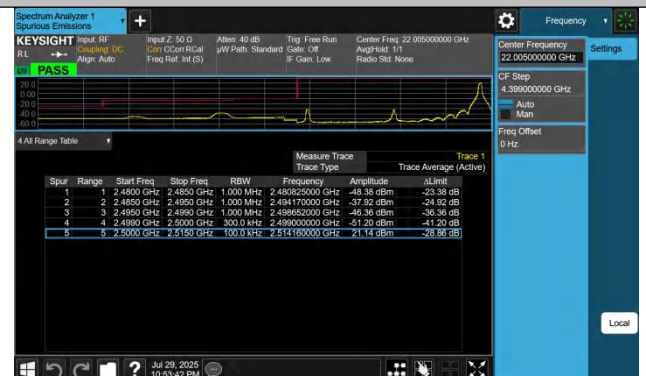
Band7-10MHz-QPSK-21400-1RB#0-PASS



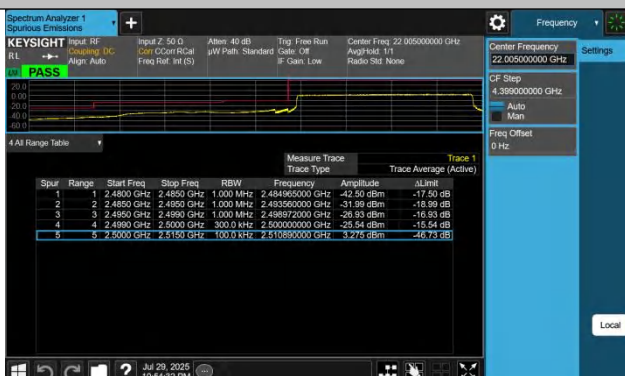
Band7-10MHz-QPSK-21400-1RB#49-PASS



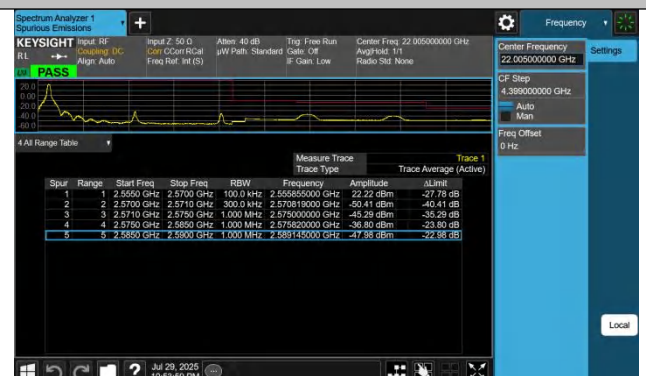
Band7-10MHz-QPSK-21400-50RB#0-PASS



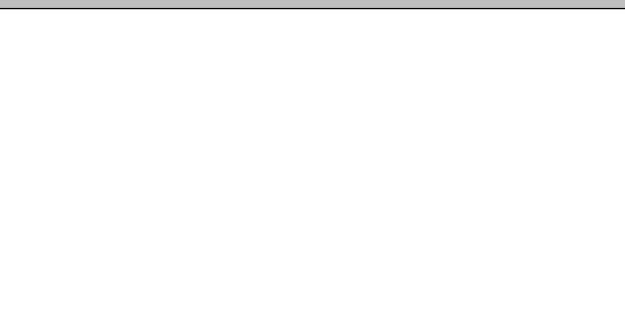
Band7-15MHz-QPSK-20825-1RB#0-PASS



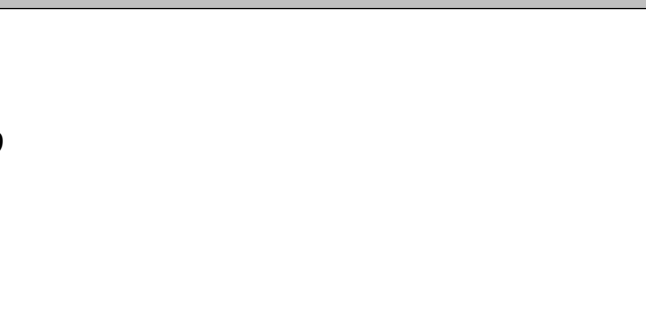
Band7-15MHz-QPSK-20825-1RB#74-PASS

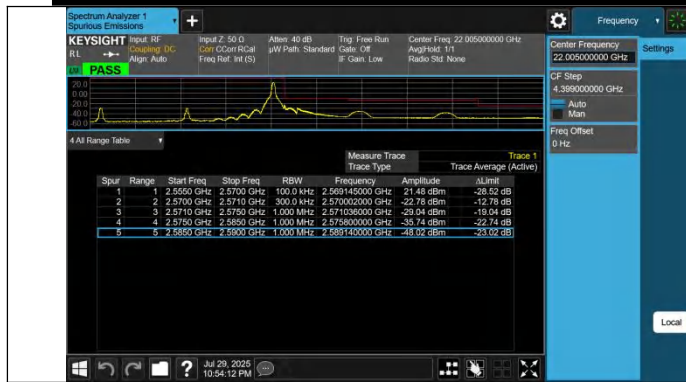


Band7-15MHz-QPSK-20825-75RB#0-PASS

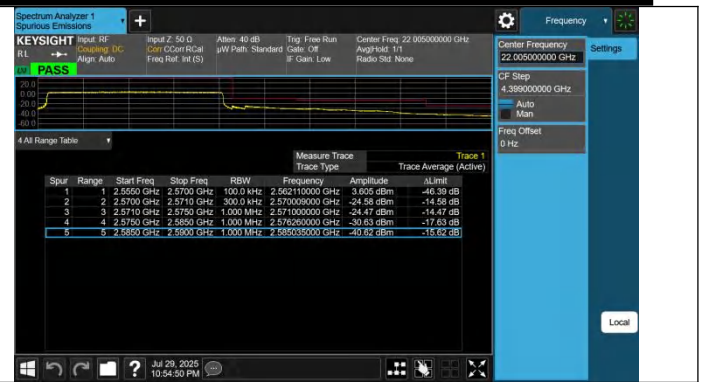


Band7-15MHz-QPSK-21375-1RB#0-PASS

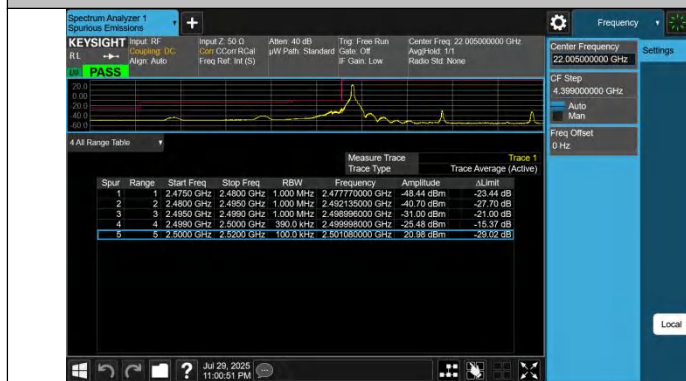




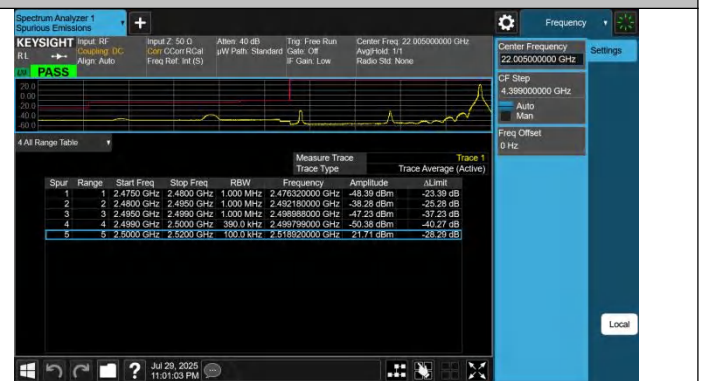
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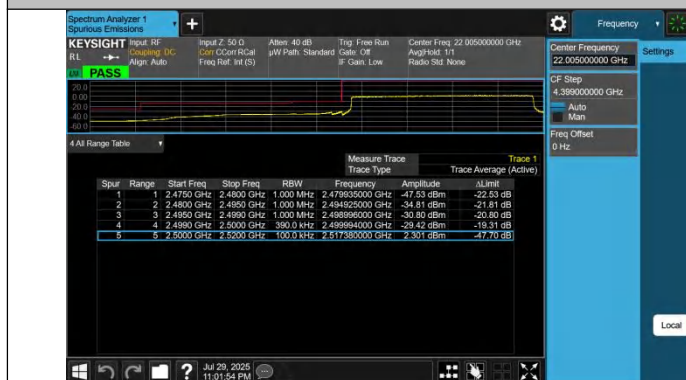
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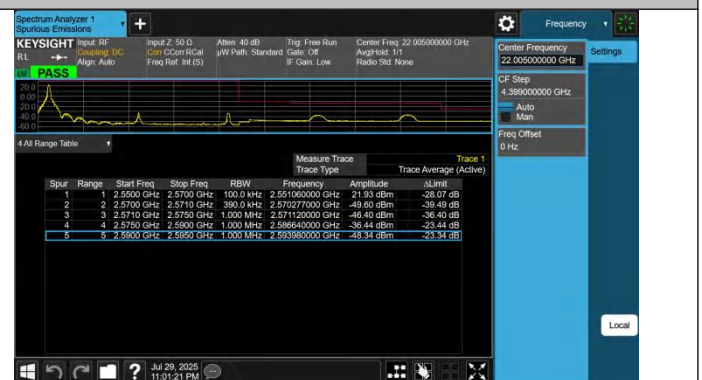
Band7-20MHz-QPSK-20850-1RB#0-PASS



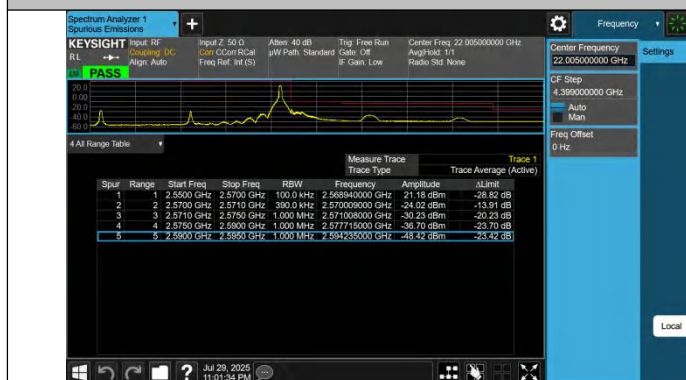
Band7-20MHz-QPSK-20850-1RB#99-PASS



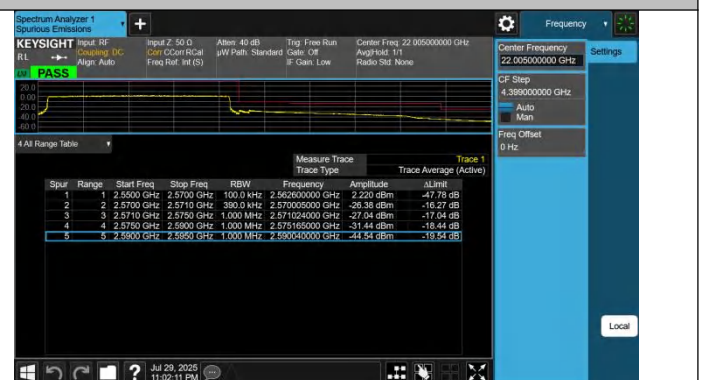
Band7-20MHz-QPSK-20850-100RB#0-PASS



Band7-20MHz-QPSK-21350-1RB#0-PASS



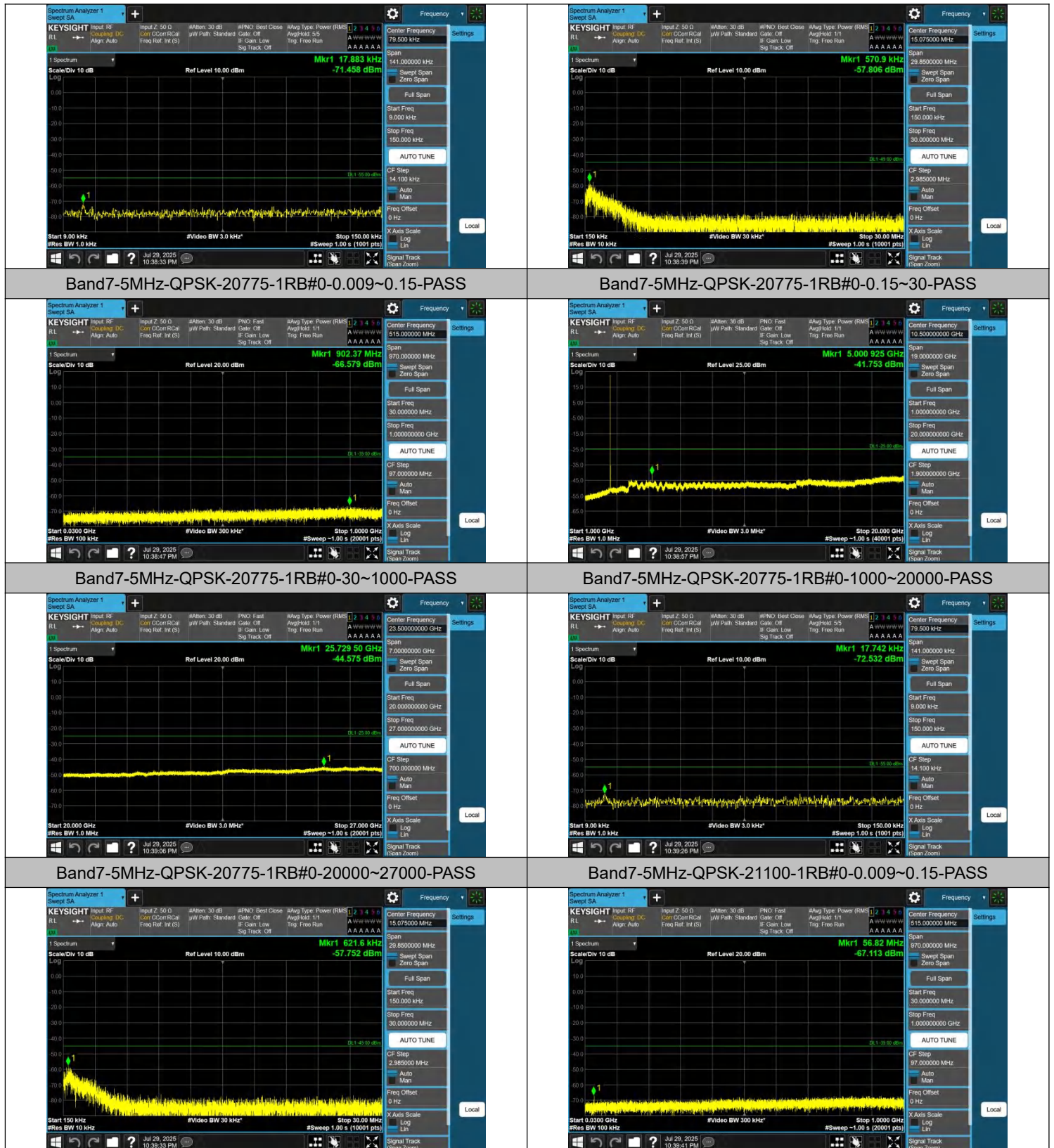
Band7-20MHz-QPSK-21350-1RB#99-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS

Conducted Spurious Emission

Test Graphs



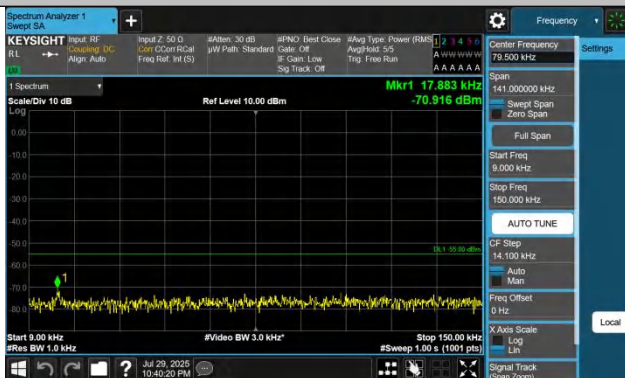
Band7-5MHz-QPSK-21100-1RB#0-0.15~30-PASS



Band7-5MHz-QPSK-21100-1RB#0-30~1000-PASS



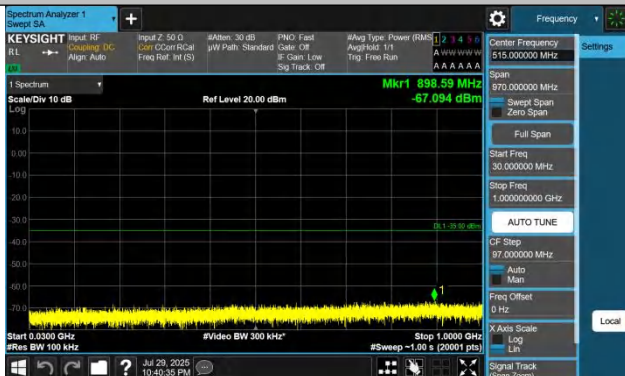
Band7-5MHz-QPSK-21100-1RB#0-1000~20000-PASS



Band7-5MHz-QPSK-21100-1RB#0-20000~27000-PASS



Band7-5MHz-QPSK-21425-1RB#0-0.009~0.15-PASS



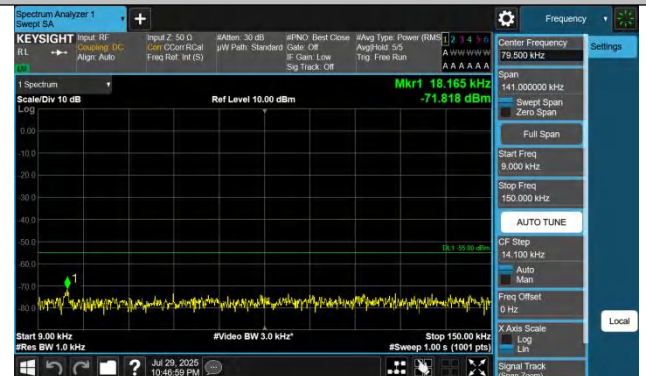
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Band7-5MHz-QPSK-21425-1RB#0-30~1000-PASS

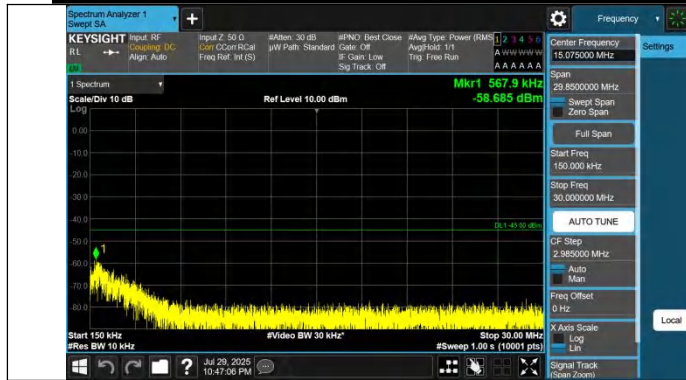


Band7-5MHz-QPSK-21425-1RB#0-1000~20000-PASS

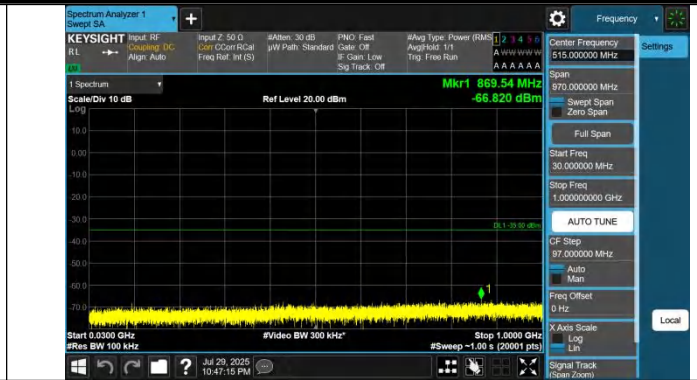


Band7-5MHz-QPSK-21425-1RB#0-20000~27000-PASS

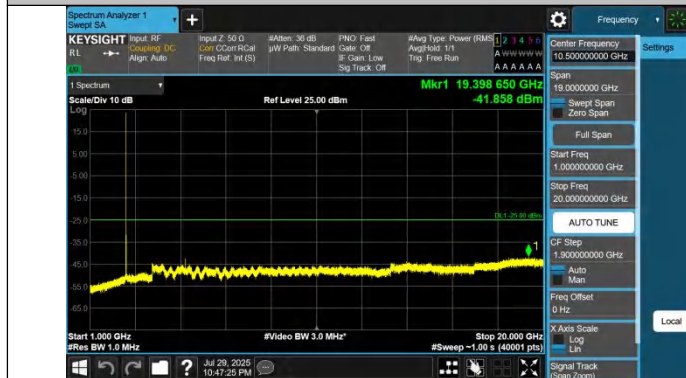
Band7-10MHz-QPSK-20800-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-20800-1RB#0-0.15~30-PASS



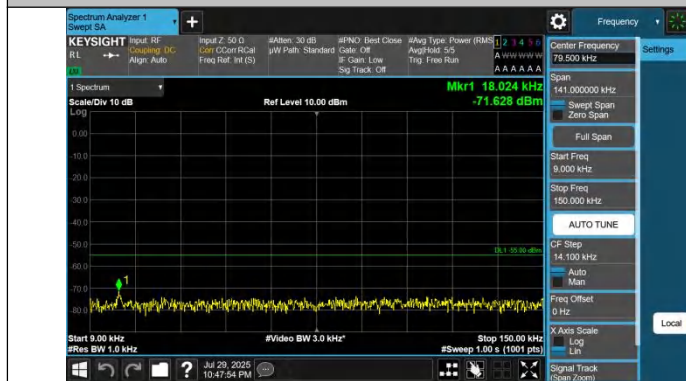
Band7-10MHz-QPSK-20800-1RB#0-30~1000-PASS



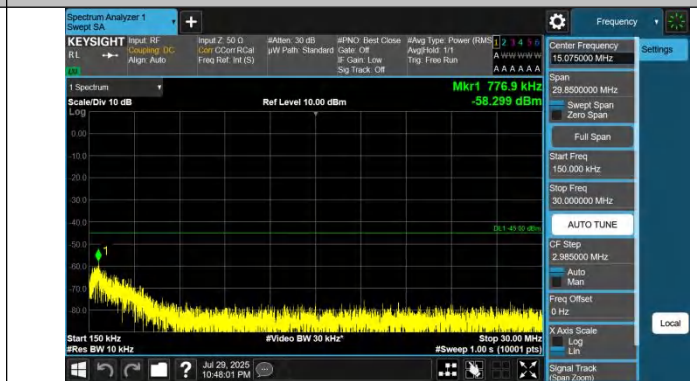
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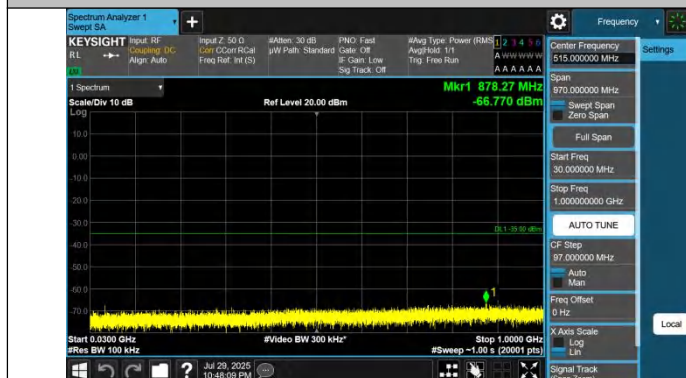
Band7-10MHz-QPSK-20800-1RB#0-20000~27000-PASS



Band7-10MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-21100-1RB#0-0.15~30-PASS



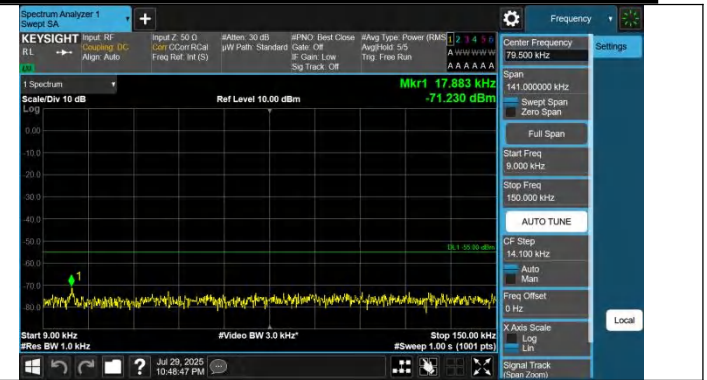
Band7-10MHz-QPSK-21100-1RB#0-30~1000-PASS



Band7-10MHz-QPSK-21100-1RB#0-1000~20000-PASS



Band7-10MHz-QPSK-21100-1RB#0-20000-27000-PASS



Band7-10MHz-QPSK-21400-1RB#0-0.009~0.15-PASS



Band7-10MHz-QPSK-21400-1RB#0-0.15~30-PASS



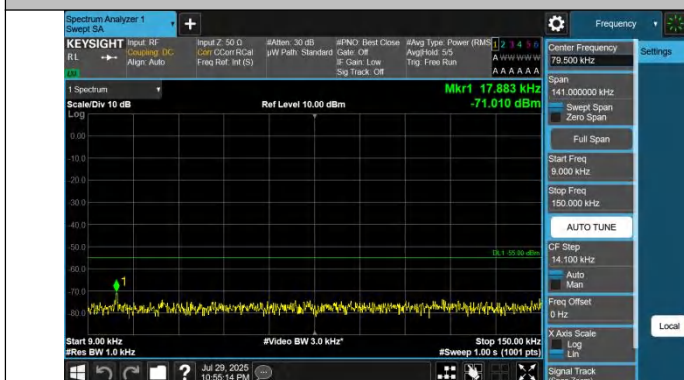
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Band7-10MHz-QPSK-21400-1RB#0-1000~20000-PASS



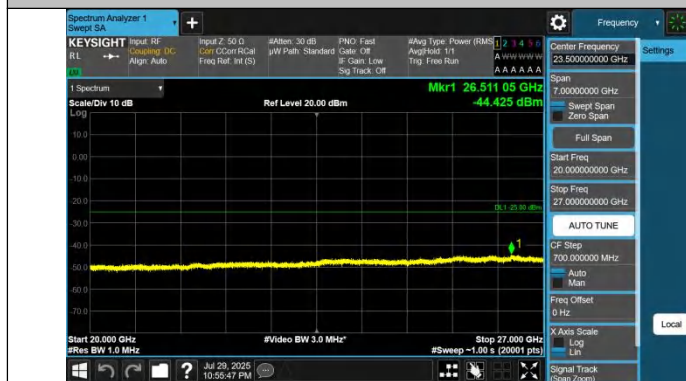
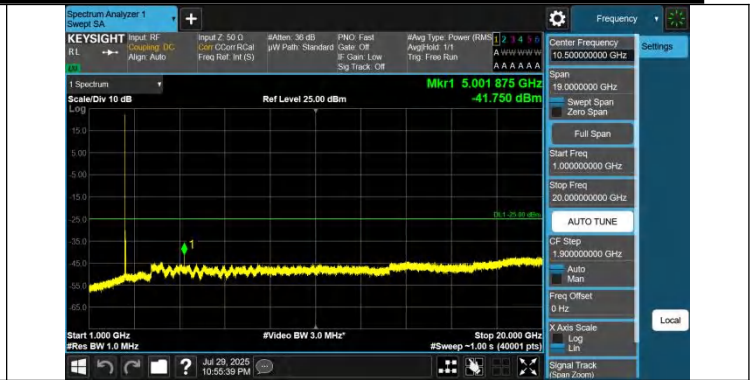
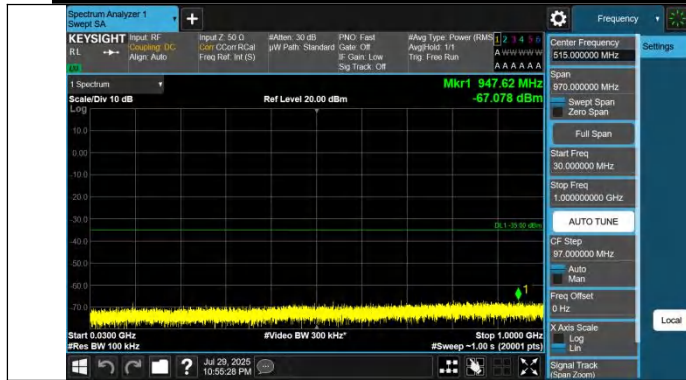
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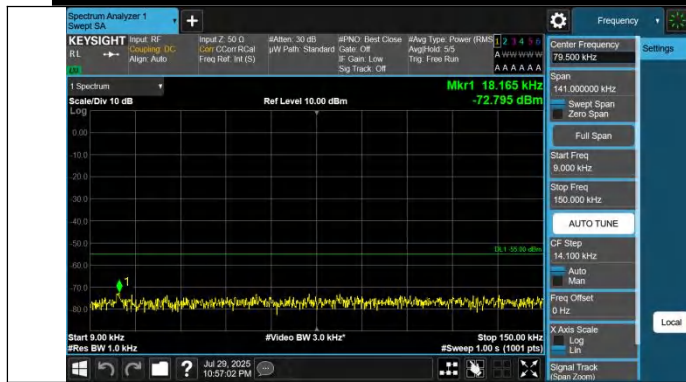


Band7-15MHz-QPSK-20825-1RB#0-0.009~0.15-PASS

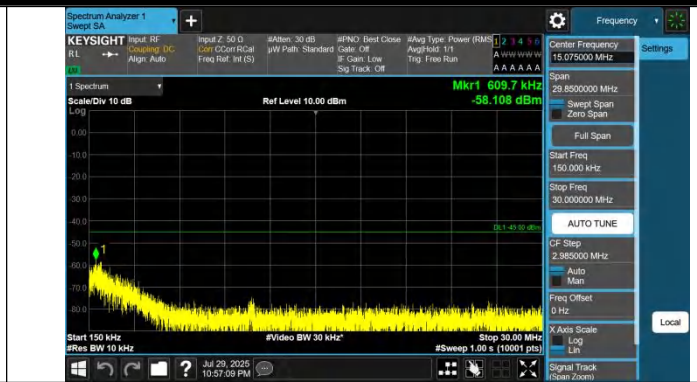


Band7-15MHz-QPSK-20825-1RB#0-0.15~30-PASS





Band7-15MHz-QPSK-21375-1RB#0-0.009~0.15-PASS



Band7-15MHz-QPSK-21375-1RB#0-0.15~30-PASS



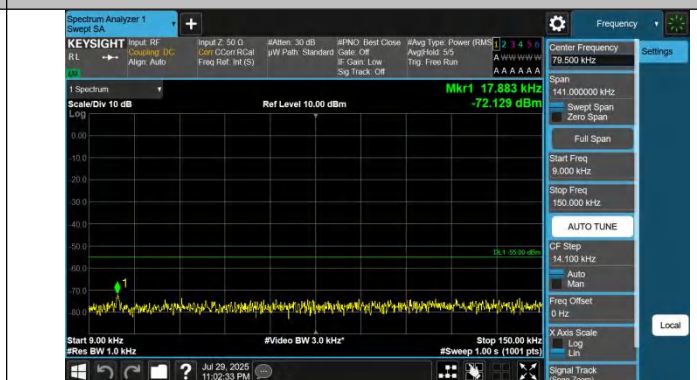
Band7-15MHz-QPSK-21375-1RB#0-30~1000-PASS



Band7-15MHz-QPSK-21375-1RB#0-1000~20000-PASS



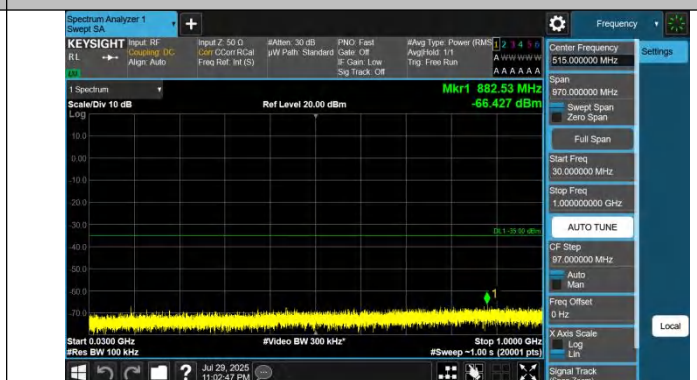
Band7-15MHz-QPSK-21375-1RB#0-20000~27000-PASS



Band7-20MHz-QPSK-20850-1RB#0-0.009~0.15-PASS



Band7-20MHz-QPSK-20850-1RB#0-0.15~30-PASS



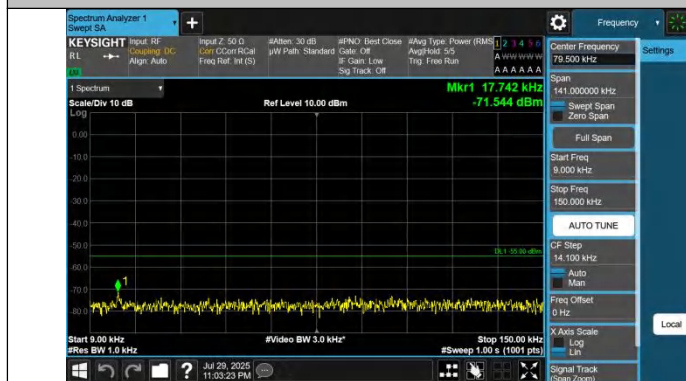
Band7-20MHz-QPSK-20850-1RB#0-30~1000-PASS



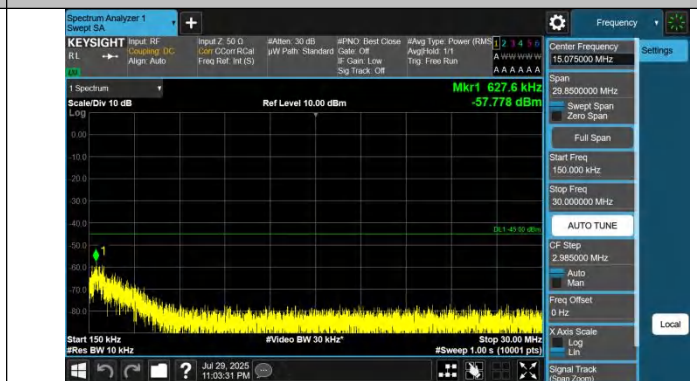
Band7-20MHz-QPSK-20850-1RB#0-1000~20000-PASS



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



Band7-20MHz-QPSK-21100-1RB#0-0.009~0.15-PASS



Band7-20MHz-QPSK-21100-1RB#0-0.15~30-PASS



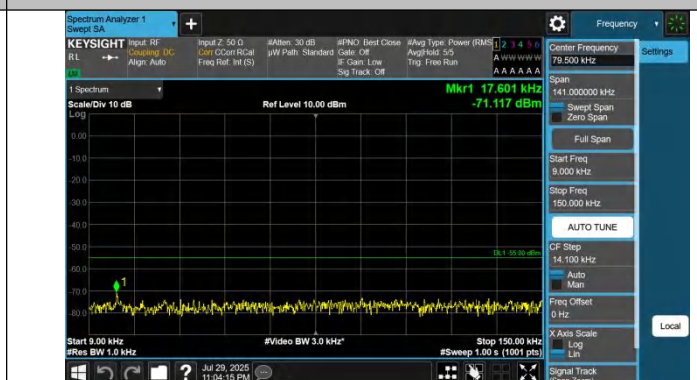
Band7-20MHz-QPSK-21100-1RB#0-30~1000-PASS



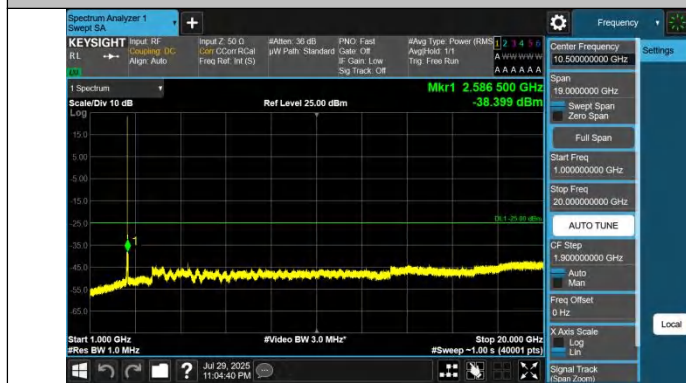
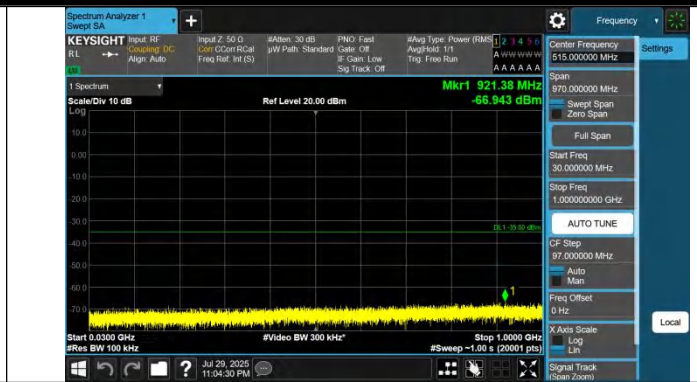
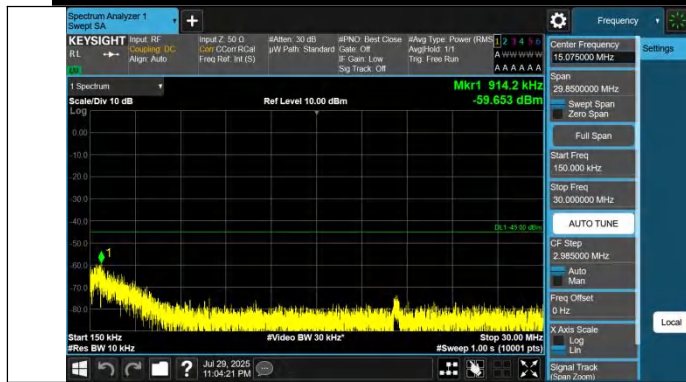
Band7-20MHz-QPSK-21100-1RB#0-1000~20000-PASS



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



Band7-20MHz-QPSK-21350-1RB#0-0.009~0.15-PASS



Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 7	20MHz	QPSK	21100	100RB#0	VN	NT	5210.00	2.055227	±NA	2526.05571	2543.95471	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	VL	NT	12990.00	5.124260	±NA	2526.06349	2543.96249	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	VH	NT	8810.00	3.475345	±NA	2526.06831	2543.94931	2500-2570	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 7	20MHz	QPSK	21100	100RB#0	NV	-30	6160.00	2.429980	±NA	2526.06816	2543.94416	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	-20	3990.00	1.573964	±NA	2526.05799	2543.94999	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	-10	10930.00	4.311637	±NA	2526.07343	2543.94843	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	0	8860.00	3.495069	±NA	2526.06436	2543.95336	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	10	11270.00	4.445759	±NA	2526.06727	2543.95527	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	20	17830.00	7.033531	±NA	2526.07633	2543.95933	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	30	9440.00	3.723866	±NA	2526.06194	2543.95694	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	40	11630.00	4.587771	±NA	2526.06913	2543.95413	2500-2570	PASS
Band 7	20MHz	QPSK	21100	100RB#0	NV	50	4670.00	1.842209	±NA	2526.05817	2543.95117	2500-2570	PASS

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