

Maximum power spectral density

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/5MHz)	Gain(dBi)	E(I)RP (dBm/5MHz)	Limit (dBm/5MHz)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	23.01	-5.7	17.31	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.87	-5.7	17.17	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.92	-5.7	17.22	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	20.84	-5.7	15.14	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.88	-5.7	17.18	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	23.12	-5.7	17.42	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.74	-5.7	17.04	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	20.74	-5.7	15.04	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	23	-5.7	17.3	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.96	-5.7	17.26	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	22.91	-5.7	17.21	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	20.81	-5.7	15.11	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#0	20.86	-5.7	15.16	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#12	20.98	-5.7	15.28	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#24	20.55	-5.7	14.85	23.98	PASS
Band30	5MHz	64QAM	27685	25RB#0	18.91	-5.7	13.21	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#0	20.94	-5.7	15.24	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#12	20.81	-5.7	15.11	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#24	20.49	-5.7	14.79	23.98	PASS
Band30	5MHz	64QAM	27710	25RB#0	18.78	-5.7	13.08	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#0	20.79	-5.7	15.09	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#12	21.1	-5.7	15.4	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#24	20.68	-5.7	14.98	23.98	PASS
Band30	5MHz	64QAM	27735	25RB#0	18.85	-5.7	13.15	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#0	17.83	-5.7	12.13	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#12	18.1	-5.7	12.4	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#24	18.2	-5.7	12.5	23.98	PASS
Band30	5MHz	256QAM	27685	25RB#0	16.86	-5.7	11.16	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#0	17.44	-5.7	11.74	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#12	18.04	-5.7	12.34	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#24	18.12	-5.7	12.42	23.98	PASS
Band30	5MHz	256QAM	27710	25RB#0	16.74	-5.7	11.04	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#0	17.83	-5.7	12.13	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#12	17.59	-5.7	11.89	23.98	PASS

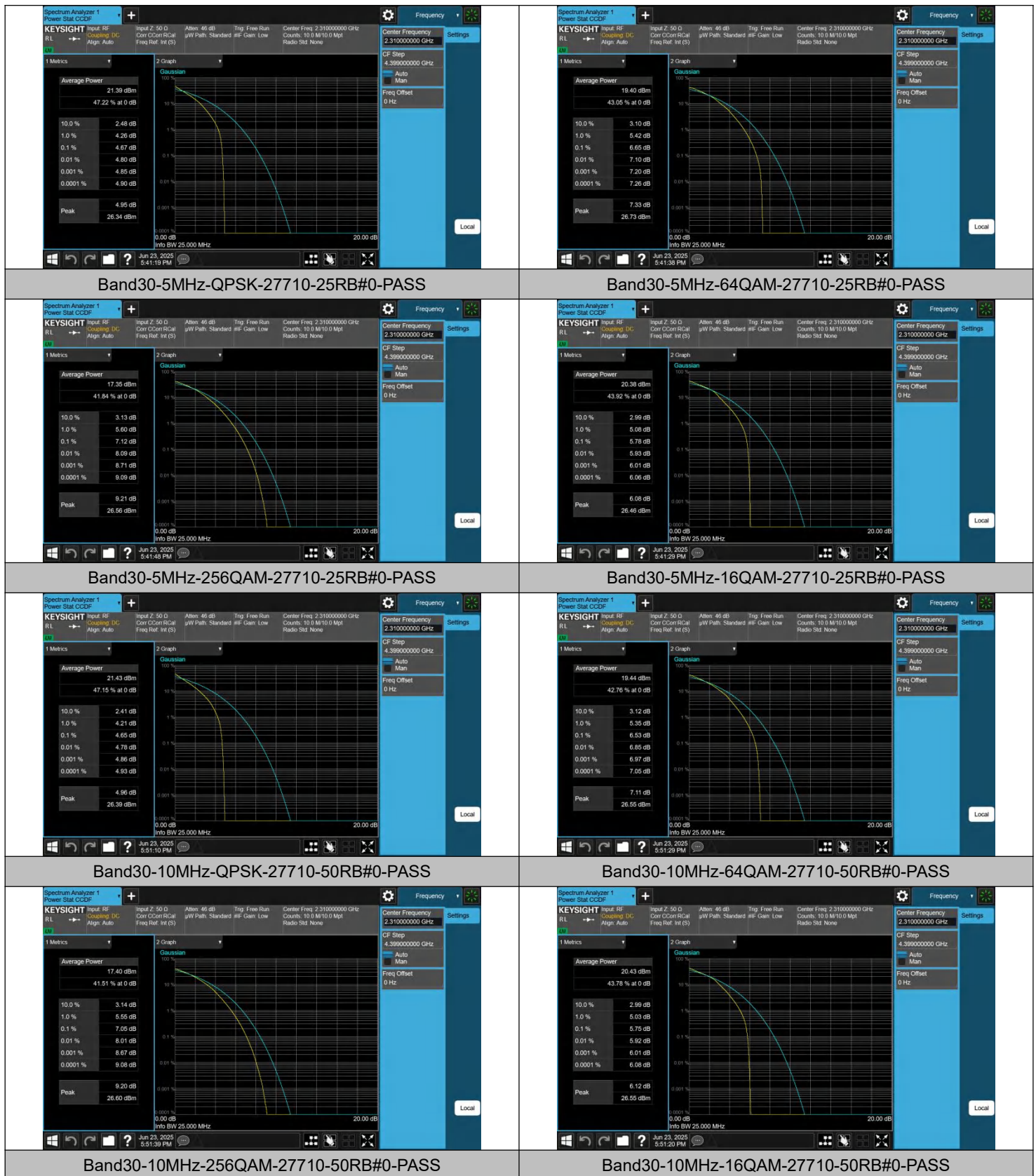
Band30	5MHz	256QAM	27735	1RB#24	17.86	-5.7	12.16	23.98	PASS
Band30	5MHz	256QAM	27735	25RB#0	16.79	-5.7	11.09	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#0	21.99	-5.7	16.29	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#12	22.14	-5.7	16.44	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#24	22.03	-5.7	16.33	23.98	PASS
Band30	5MHz	16QAM	27685	25RB#0	19.92	-5.7	14.22	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#0	22.19	-5.7	16.49	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#12	22.57	-5.7	16.87	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#24	22.06	-5.7	16.36	23.98	PASS
Band30	5MHz	16QAM	27710	25RB#0	19.86	-5.7	14.16	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#0	21.97	-5.7	16.27	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#12	22.22	-5.7	16.52	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#24	22.1	-5.7	16.4	23.98	PASS
Band30	5MHz	16QAM	27735	25RB#0	19.88	-5.7	14.18	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	22.78	-5.7	17.08	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.97	-5.7	17.27	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	22.81	-5.7	17.11	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	19.16	-5.7	13.46	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#0	20.77	-5.7	15.07	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#24	20.92	-5.7	15.22	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#49	21.09	-5.7	15.39	23.98	PASS
Band30	10MHz	64QAM	27710	50RB#0	17.1	-5.7	11.4	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#0	17.74	-5.7	12.04	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#24	17.89	-5.7	12.19	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#49	17.41	-5.7	11.71	23.98	PASS
Band30	10MHz	256QAM	27710	50RB#0	15.07	-5.7	9.37	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#0	21.93	-5.7	16.23	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#24	21.83	-5.7	16.13	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#49	22.04	-5.7	16.34	23.98	PASS
Band30	10MHz	16QAM	27710	50RB#0	18.18	-5.7	12.48	23.98	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	4.67	13	PASS
Band30	5MHz	64QAM	27710	25RB#0	6.65	13	PASS
Band30	5MHz	256QAM	27710	25RB#0	7.12	13	PASS
Band30	5MHz	16QAM	27710	25RB#0	5.78	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	4.65	13	PASS
Band30	10MHz	64QAM	27710	50RB#0	6.53	13	PASS
Band30	10MHz	256QAM	27710	50RB#0	7.05	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	5.75	13	PASS

Test Graphs

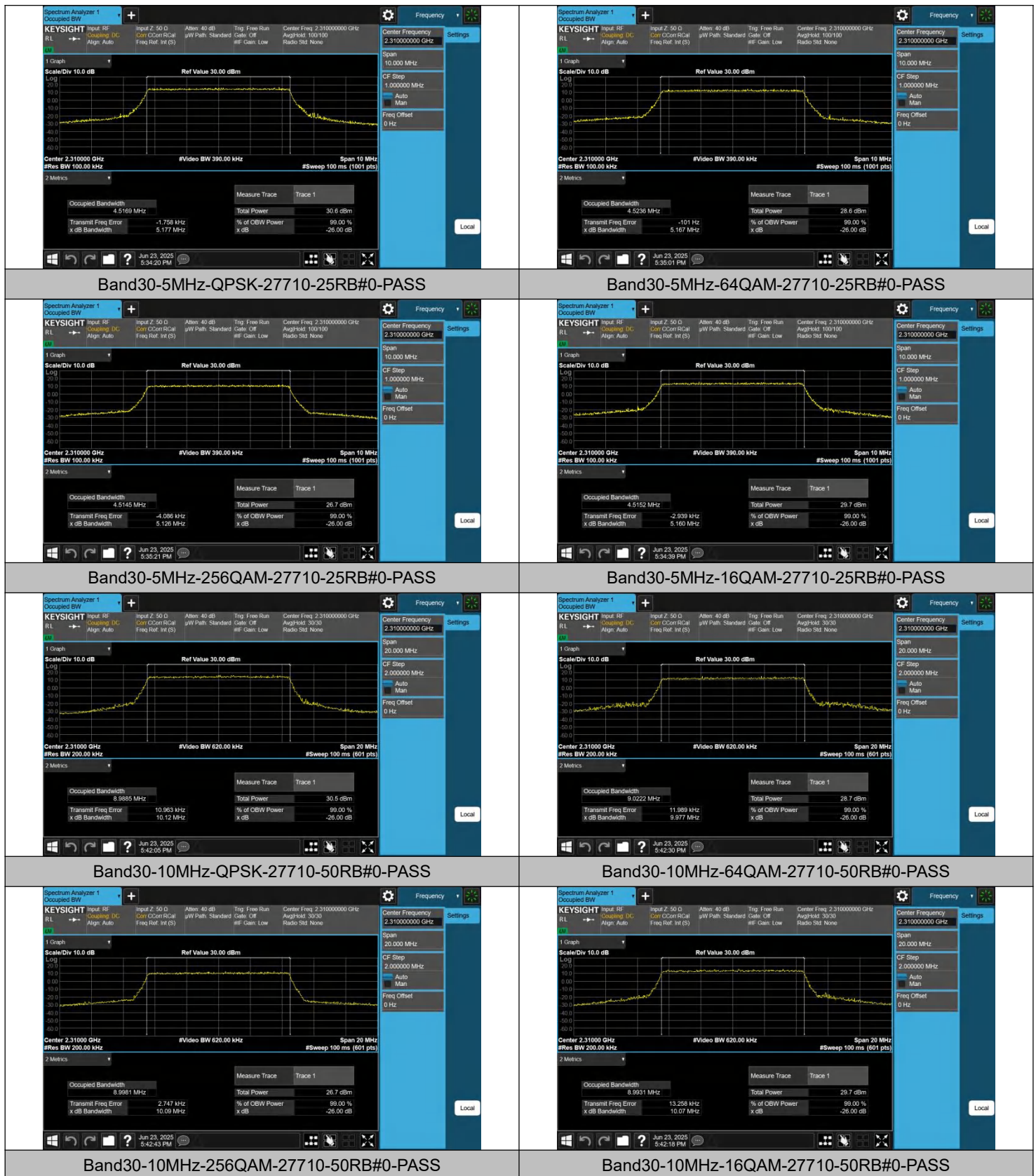


26dB Bandwidth and Occupied Bandwidth

Test Result

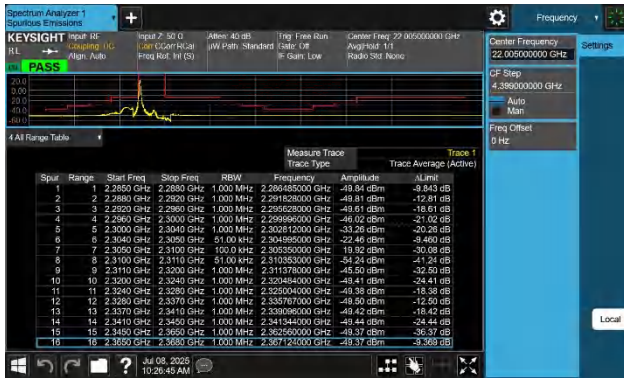
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	4.5169	5.177	PASS
Band30	5MHz	64QAM	27710	25RB#0	4.5236	5.167	PASS
Band30	5MHz	256QAM	27710	25RB#0	4.5145	5.126	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.5152	5.160	PASS
Band30	10MHz	QPSK	27710	50RB#0	8.9885	10.12	PASS
Band30	10MHz	64QAM	27710	50RB#0	9.0222	9.977	PASS
Band30	10MHz	256QAM	27710	50RB#0	8.9981	10.09	PASS
Band30	10MHz	16QAM	27710	50RB#0	8.9931	10.07	PASS

Test Graphs

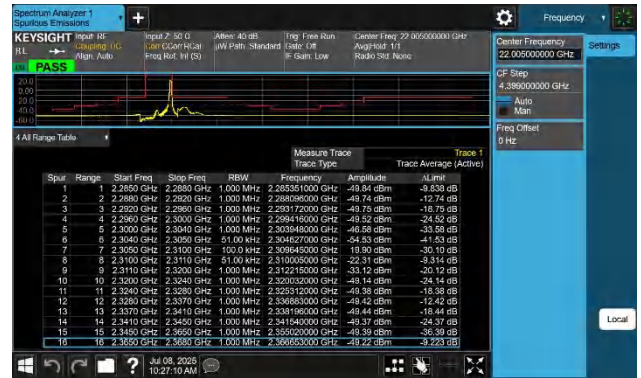


Band Edge

Test Graphs



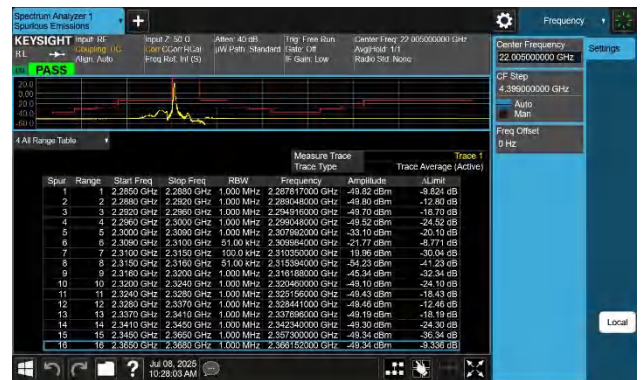
Band30-5MHz-QPSK-27685-1RB#0-PASS



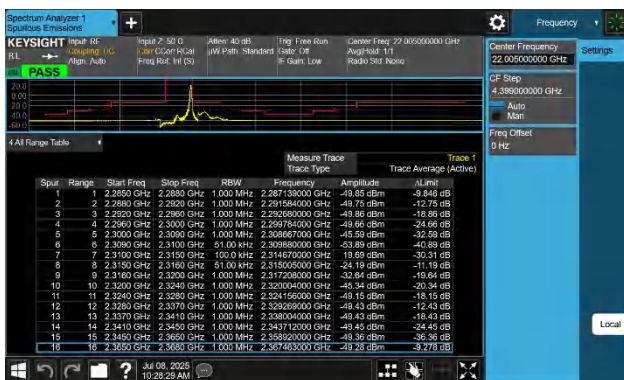
Band30-5MHz-QPSK-27685-1RB#24-PASS



Band30-5MHz-QPSK-27685-25RB#0-PASS



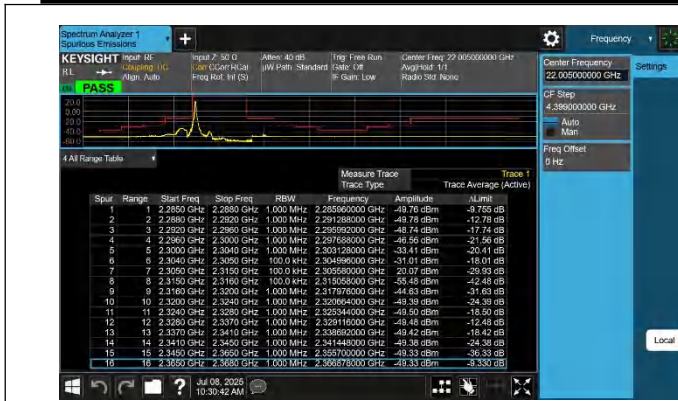
Band30-5MHz-QPSK-27735-1RB#0-PASS



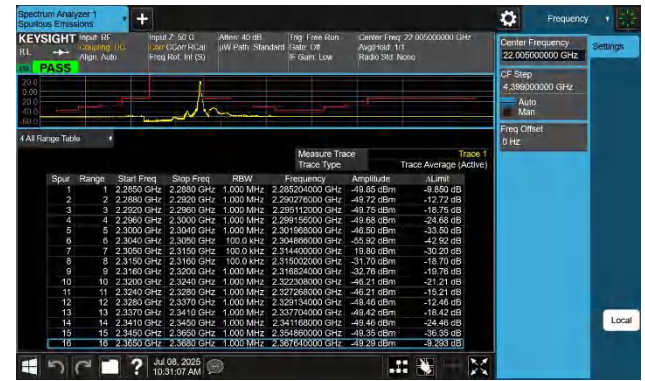
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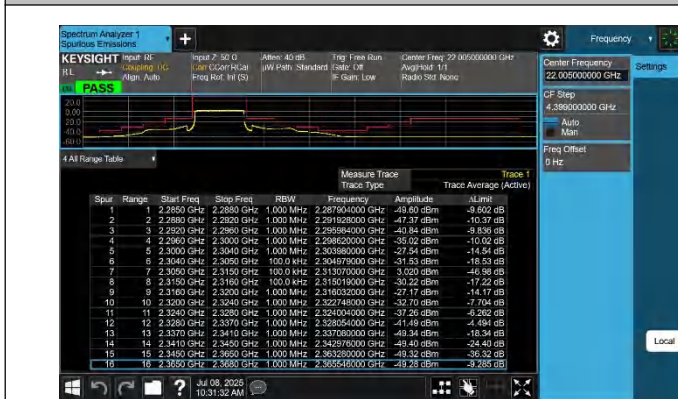
Band30-5MHz-QPSK-27735-25RB#0-PASS



Band30-10MHz-QPSK-27710-1RB#0-PASS



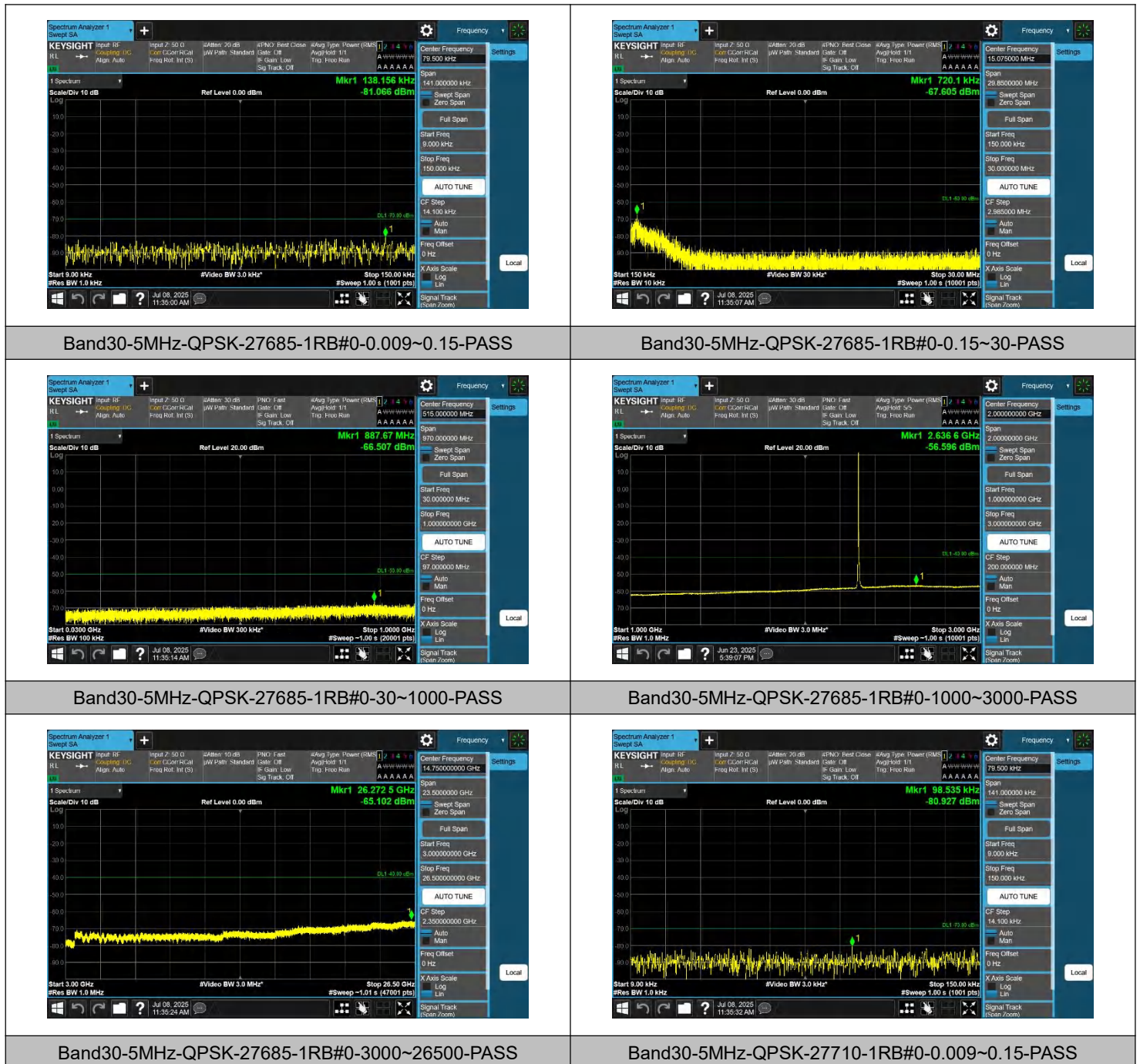
Band30-10MHz-QPSK-27710-1RB#49-PASS

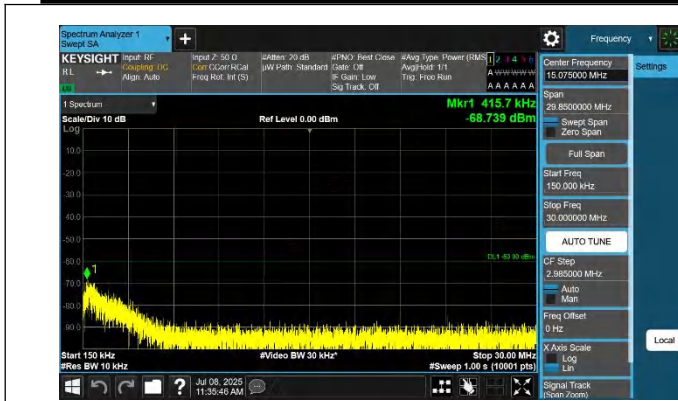


Band30-10MHz-QPSK-27710-50RB#0-PASS

Conducted Spurious Emission

Test Graphs





Band30-5MHz-QPSK-27710-1RB#0-0.15~30-PASS



Band30-5MHz-QPSK-27710-1RB#0-30~1000-PASS



Band30-5MHz-QPSK-27710-1RB#0-1000~3000-PASS



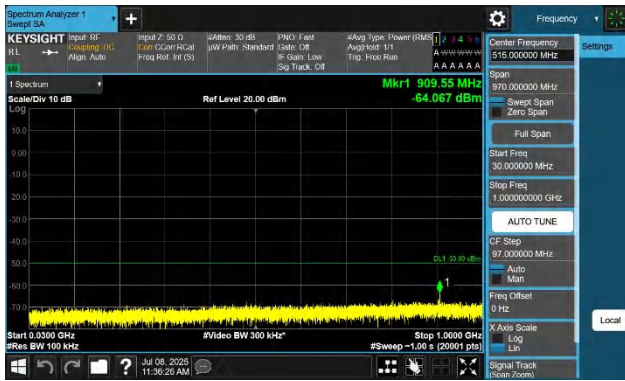
Band30-5MHz-QPSK-27710-1RB#0-3000~26500-PASS



Band30-5MHz-QPSK-27735-1RB#0-0.009~0.15-PASS



Band30-5MHz-QPSK-27735-1RB#0-0.15~30-PASS



Band30-5MHz-QPSK-27735-1RB#0-30~1000-PASS



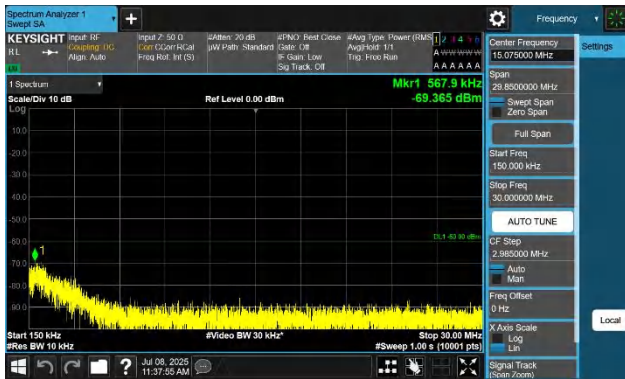
Band30-5MHz-QPSK-27735-1RB#0-1000~3000-PASS



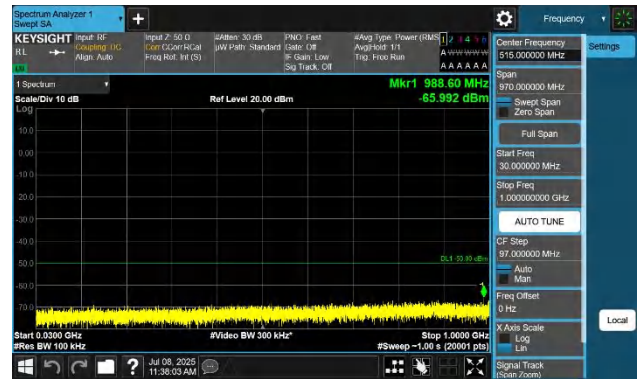
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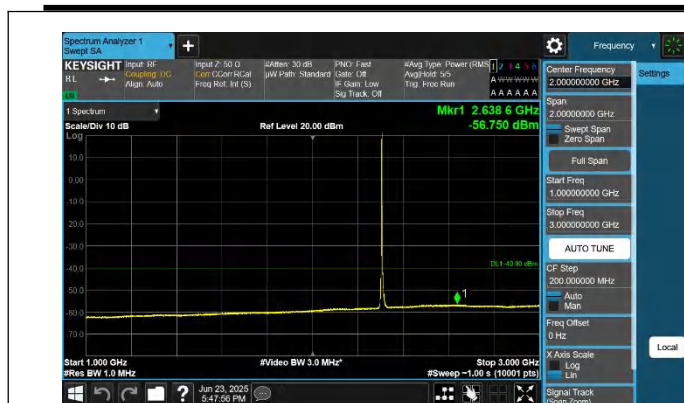
Band30-10MHz-QPSK-27710-1RB#0-0.009~0.15-PASS



Band30-10MHz-QPSK-27710-1RB#0-0.15~30-PASS



Band30-10MHz-QPSK-27710-1RB#0-30~1000-PASS



Band30-10MHz-QPSK-27710-1RB#0-1000~3000-PASS



Band30-10MHz-QPSK-27710-1RB#0-3000~26500-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 30	10MHz	QPSK	27710	50RB#0	VN	NT	4420.00	1.913420	±NA	2305.52482	2314.48402	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	VL	NT	6630.00	2.870130	±NA	2305.53453	2314.47873	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	VH	NT	1190.00	0.515152	±NA	2305.52684	2314.47554	2305-2315	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 30	10MHz	QPSK	27710	50RB#0	NV	-30	6450.00	2.792208	±NA	2305.53275	2314.48015	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	-20	820.00	0.354978	±NA	2305.52817	2314.47347	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	-10	5680.00	2.458874	±NA	2305.53003	2314.48133	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	0	3380.00	1.463203	±NA	2305.53418	2314.47258	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	10	5470.00	2.367965	±NA	2305.52697	2314.48397	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	20	6350.00	2.748918	±NA	2305.5338	2314.4789	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	30	2220.00	0.961039	±NA	2305.52827	2314.47617	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	40	5740.00	2.484848	±NA	2305.52869	2314.48279	2305-2315	PASS
Band 30	10MHz	QPSK	27710	50RB#0	NV	50	4140.00	1.792208	±NA	2305.53494	2314.47334	2305-2315	PASS

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