

# Appendix-C LTE Band 41

## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.21	25.04	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.26	25.09	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.19	25.02	33.01	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.35	24.18	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.06	24.89	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.96	24.79	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.18	25.01	33.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.16	23.99	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.29	25.12	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.38	25.21	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.28	25.11	33.01	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.61	24.44	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.17	24	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.74	24.57	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.62	24.45	33.01	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.36	23.19	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.38	24.21	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.47	24.3	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.32	24.15	33.01	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.15	22.98	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.64	24.47	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.78	24.61	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.62	24.45	33.01	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.75	23.58	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.18	25.01	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.62	25.45	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.48	25.31	33.01	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.44	24.27	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.01	24.84	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.17	25	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.03	24.86	33.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.09	23.92	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.40	25.23	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.45	25.28	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.66	25.49	33.01	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.64	24.47	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.17	24	33.01	PASS

Band41	10MHz	16QAM	39700	1RB#24	22.93	24.76	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.71	24.54	33.01	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.45	23.28	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.11	23.94	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.58	24.41	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.93	23.76	33.01	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.23	23.06	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.76	24.59	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.23	25.06	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.78	24.61	33.01	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.75	23.58	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.02	24.85	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.46	25.29	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.23	25.06	33.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.43	24.26	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.04	24.87	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.04	24.87	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.13	24.96	33.01	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.11	23.94	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.54	25.37	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.58	25.41	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.33	25.16	33.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.68	24.51	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.11	23.94	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.80	24.63	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.65	24.48	33.01	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.49	23.32	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.47	24.3	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.46	24.29	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.84	23.67	33.01	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.28	23.11	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.45	24.28	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.11	24.94	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.49	24.32	33.01	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.71	23.54	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.99	24.82	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.85	25.68	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.18	25.01	33.01	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.44	24.27	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.08	24.91	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.32	25.15	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.06	24.89	33.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.16	23.99	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.38	25.21	33.01	PASS

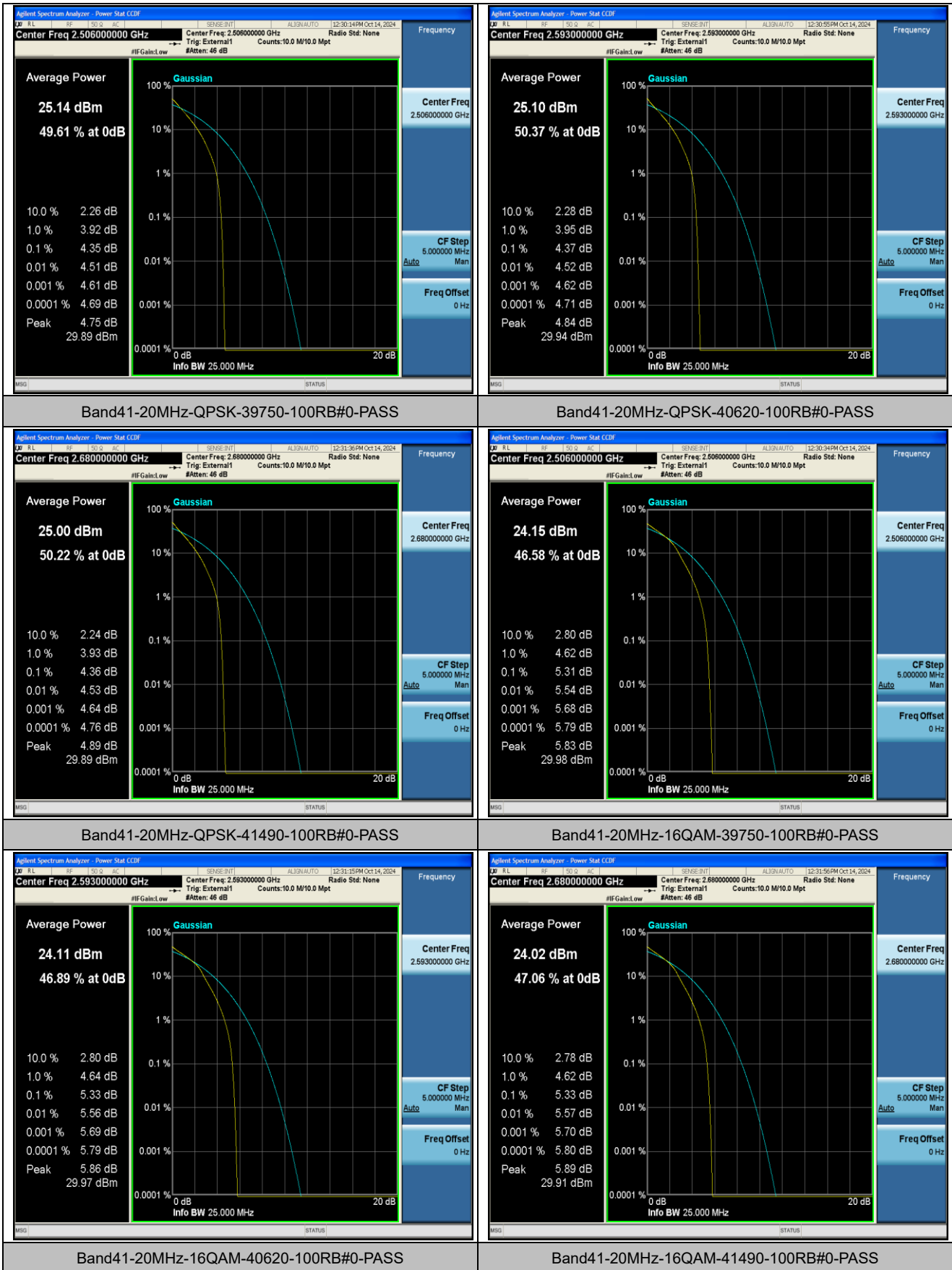
Band41	20MHz	QPSK	41490	1RB#49	23.81	25.64	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.18	25.01	33.01	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.77	24.6	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.53	24.36	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.26	25.09	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.71	24.54	33.01	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.45	23.28	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.66	24.49	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.56	24.39	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.29	24.12	33.01	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.19	23.02	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.93	24.76	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.30	25.13	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.07	24.9	33.01	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.70	23.53	33.01	PASS

## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	4.35	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	4.37	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	4.36	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.31	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	5.33	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	5.33	13	PASS

## Test Graphs

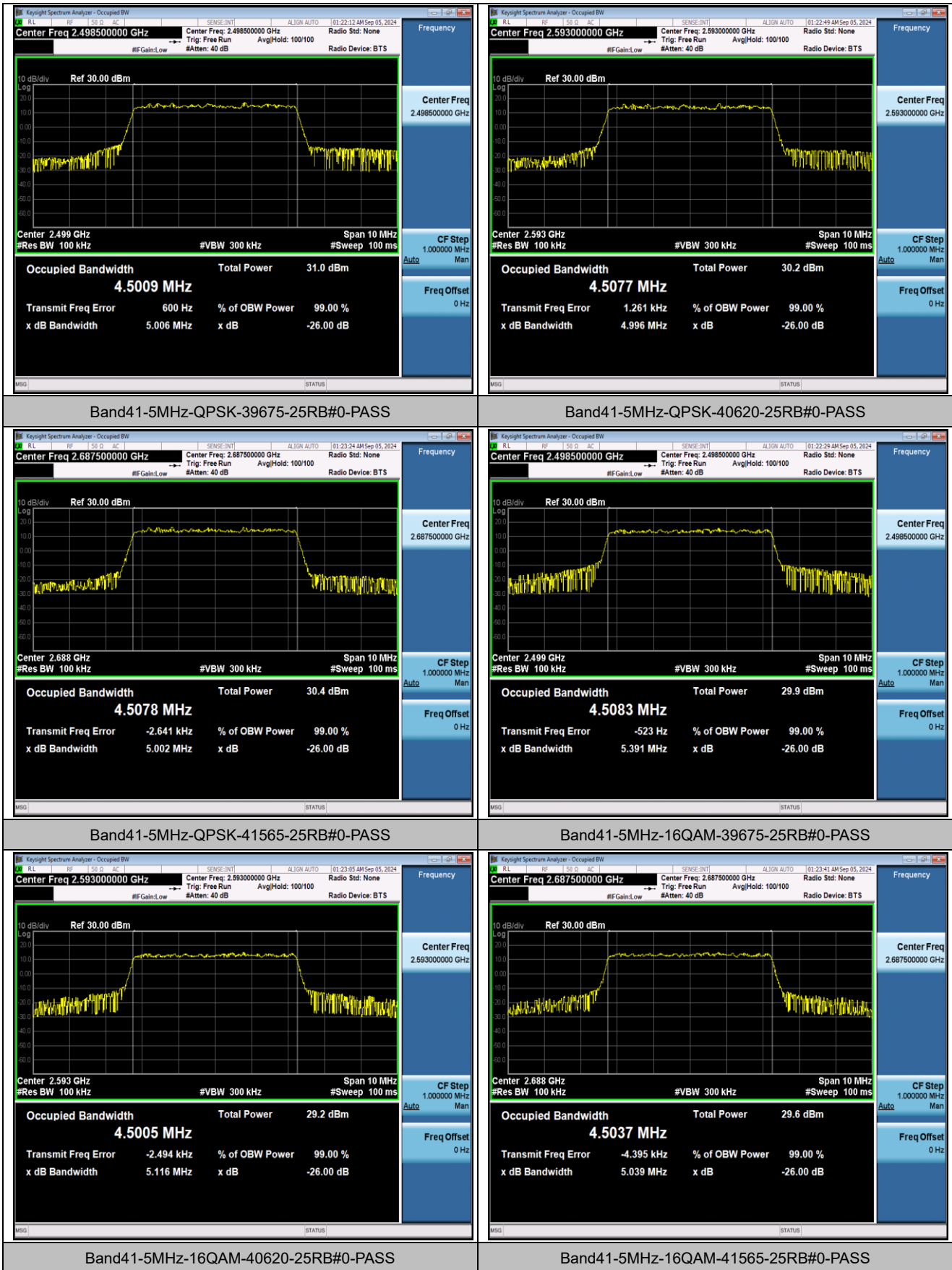


## 26dB Bandwidth and Occupied Bandwidth

### Test Result

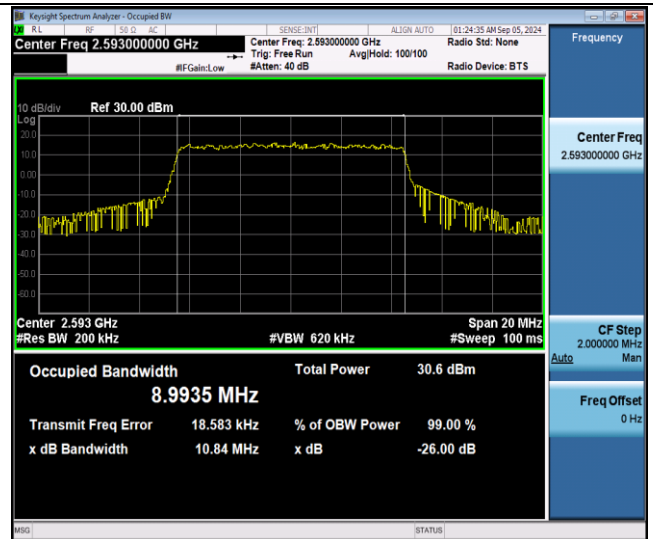
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5009	5.006	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5077	4.996	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5078	5.002	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5083	5.391	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5005	5.116	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5037	5.039	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.0021	11.11	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9935	10.84	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9837	10.34	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9883	10.82	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9804	10.58	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9756	10.02	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.506	16.93	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.505	16.37	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.498	15.97	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.535	21.26	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.500	16.55	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.475	16.36	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.946	19.50	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.931	19.36	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.939	19.47	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.888	20.49	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.917	20.07	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.913	19.73	PASS

## Test Graphs





Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-QPSK-40620-50RB#0-PASS



Band41-10MHz-QPSK-41540-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS

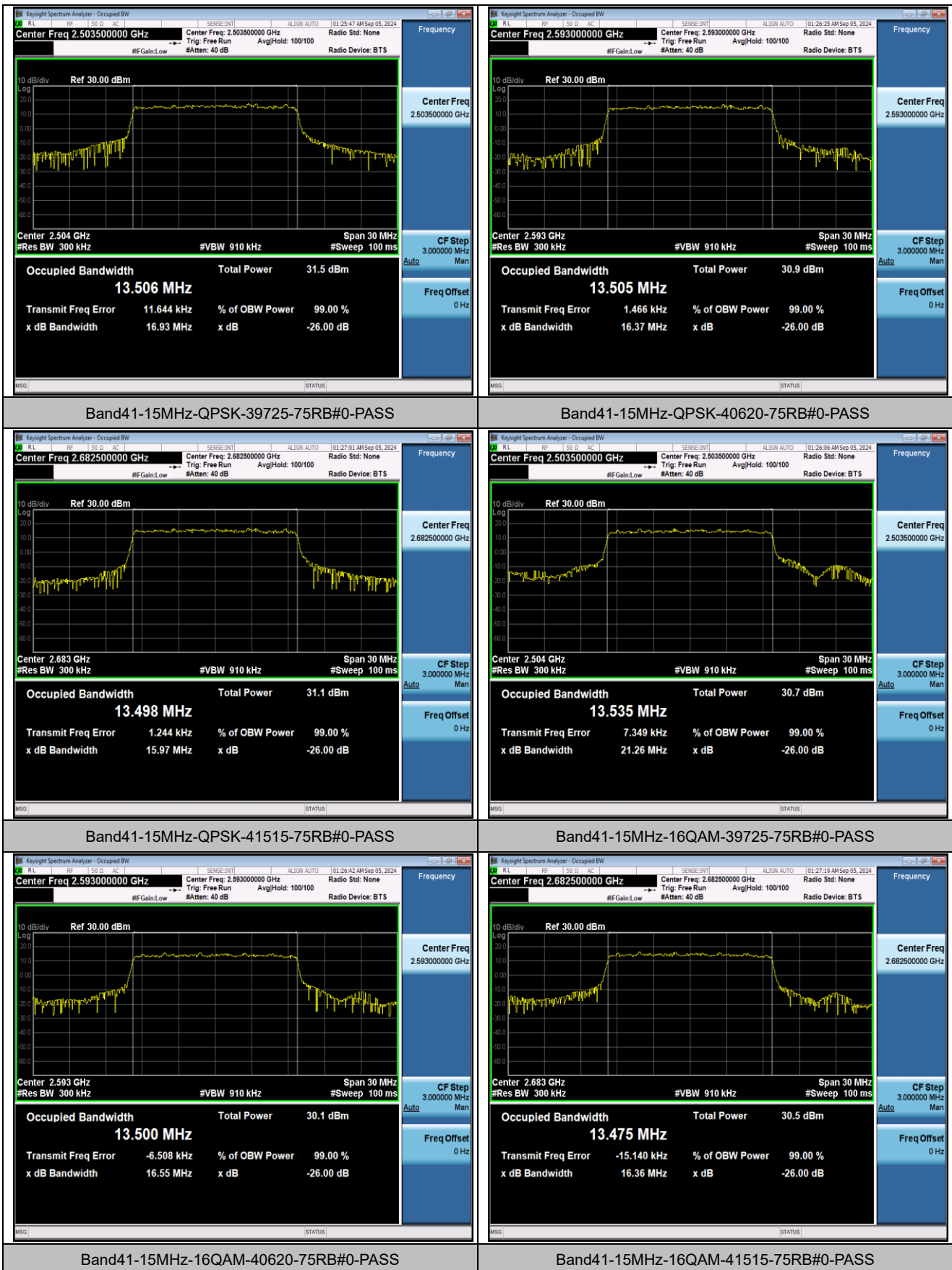


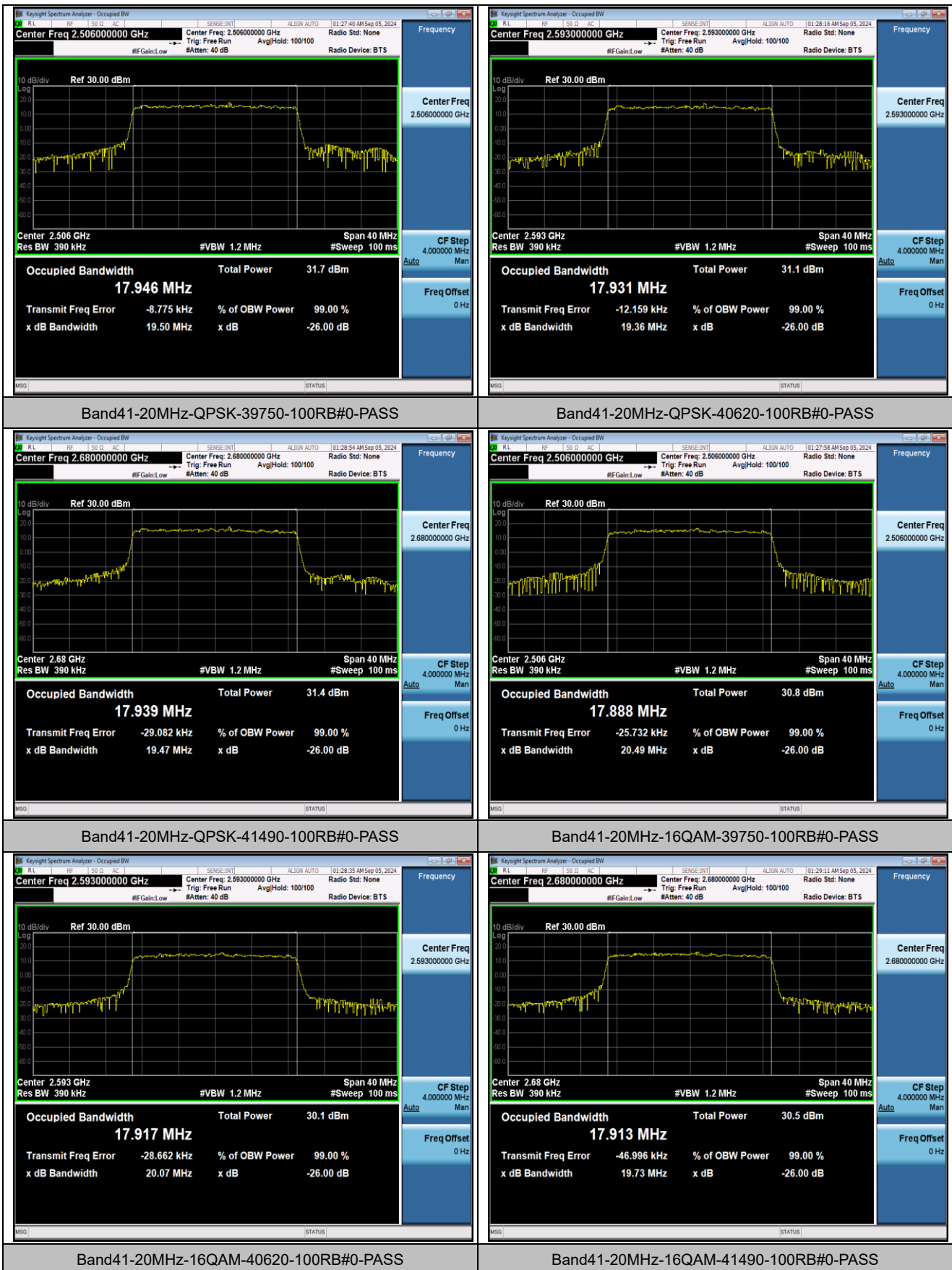
Band41-10MHz-16QAM-40620-50RB#0-PASS



Band41-10MHz-16QAM-41540-50RB#0-PASS

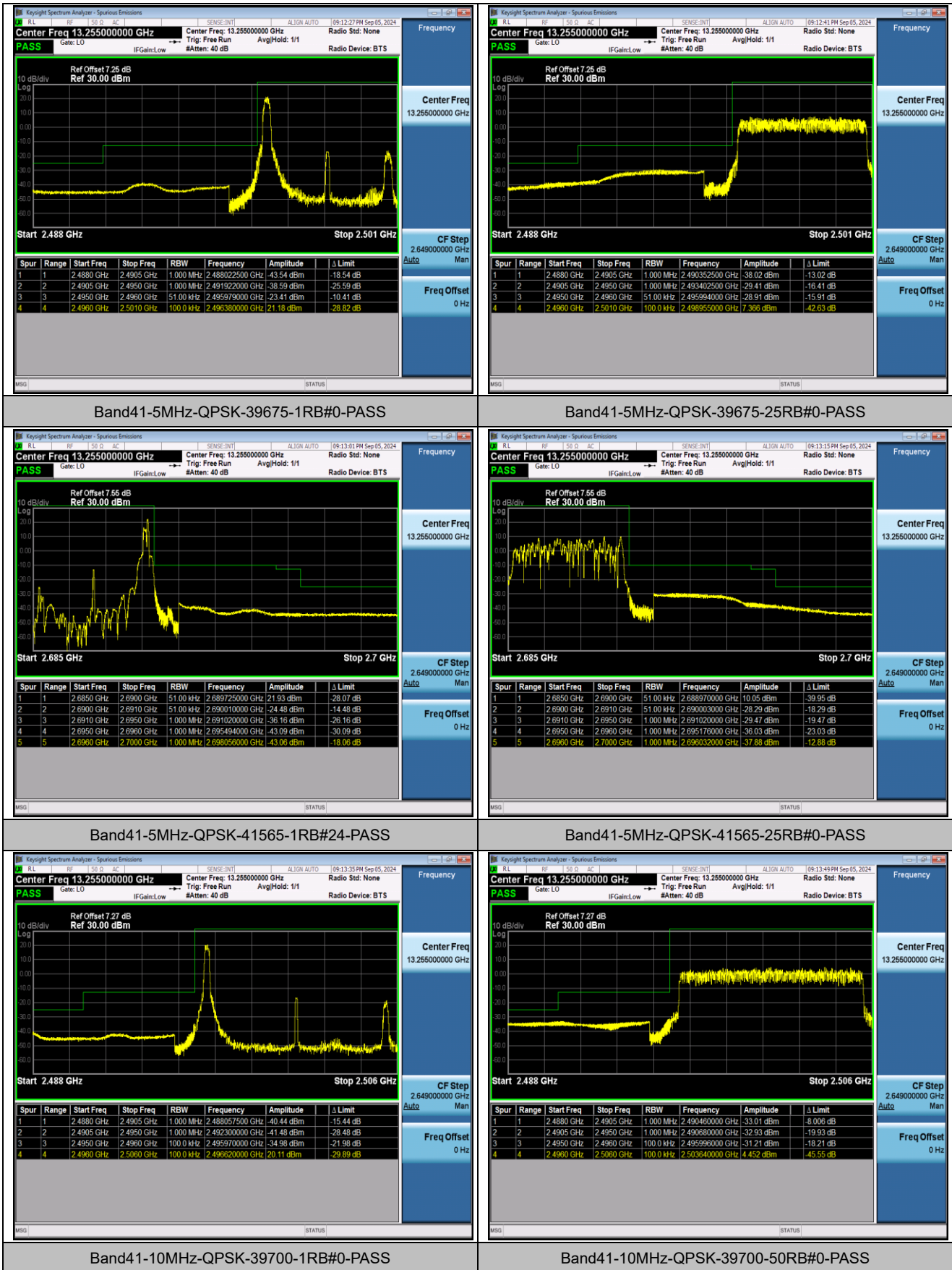


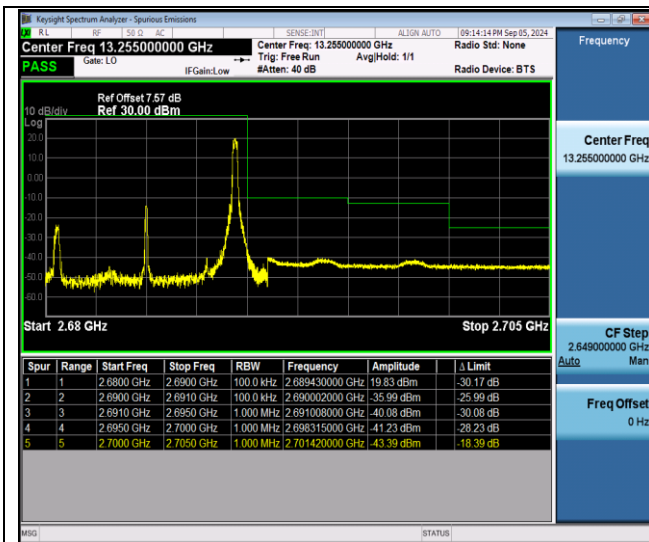




## Band Edge

### Test Graphs

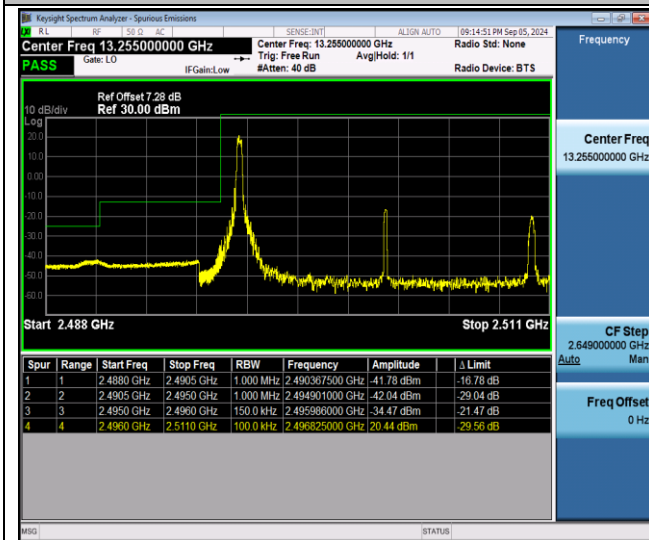




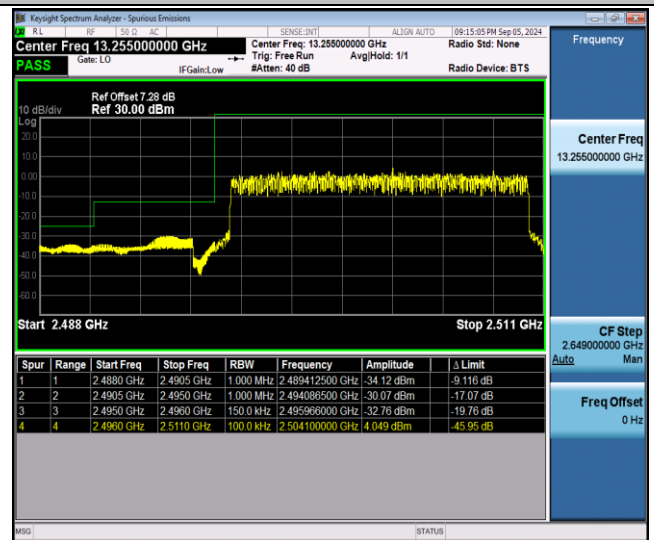
Band41-10MHz-QPSK-41540-1RB#49-PASS



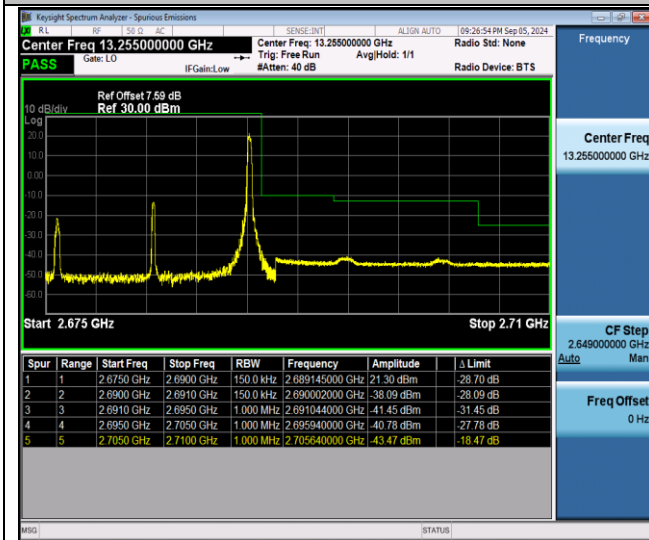
Band41-10MHz-QPSK-41540-50RB#0-PASS



Band41-15MHz-QPSK-39725-1RB#0-PASS



Band41-15MHz-QPSK-39725-75RB#0-PASS



Band41-15MHz-QPSK-41515-1RB#74-PASS



Band41-15MHz-QPSK-41515-75RB#0-PASS