

Appendix-B 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	24.82	27.03	33.01	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.07	26.28	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.74	26.95	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.76	26.97	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.49	26.70	33.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.99	26.20	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.38	26.59	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.67	26.88	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.52	26.73	33.01	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.62	25.83	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.25	26.46	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#24	24.64	26.85	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.57	26.78	33.01	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.21	25.42	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.13	26.34	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.39	26.60	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.88	26.09	33.01	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.02	25.23	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.64	25.85	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.93	26.14	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.76	25.97	33.01	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.57	24.78	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.46	25.67	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.85	26.06	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.68	26.89	33.01	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.34	26.55	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.82	27.03	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.79	27.00	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.7	26.91	33.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.84	26.05	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.65	26.86	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.62	26.83	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.51	26.72	33.01	PASS
Band41	10MHz	QPSK	41540	50RB#0	23.81	26.02	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#24	24.5	26.71	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#49	24.19	26.40	33.01	PASS

Band41	10MHz	16QAM	39700	1RB#0	24.62	26.83	33.01	PASS
Band41	10MHz	16QAM	39700	27RB#0	23.11	25.32	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.47	26.68	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.45	26.66	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.01	26.22	33.01	PASS
Band41	10MHz	16QAM	40620	27RB#0	22.93	25.14	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.91	26.12	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.86	26.07	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.76	25.97	33.01	PASS
Band41	10MHz	16QAM	41540	27RB#0	23.03	25.24	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.78	25.99	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.46	25.67	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.96	27.17	33.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.31	26.52	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.78	26.99	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.81	27.02	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.56	26.77	33.01	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.83	26.04	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.45	26.66	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.67	26.88	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.46	26.67	33.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.79	26.00	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.32	26.53	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.23	26.44	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#0	24	26.21	33.01	PASS
Band41	15MHz	16QAM	39725	27RB#0	23.12	25.33	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.04	26.25	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.22	26.43	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.72	25.93	33.01	PASS
Band41	15MHz	16QAM	40620	27RB#0	23.53	25.74	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.69	25.90	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.91	26.12	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.68	25.89	33.01	PASS
Band41	15MHz	16QAM	41515	27RB#0	22.95	25.16	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.53	25.74	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.42	25.63	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.93	27.14	33.01	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.36	26.57	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.94	27.15	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.59	26.80	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.69	26.90	33.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.83	26.04	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.64	26.85	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.58	26.79	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.37	26.58	33.01	PASS

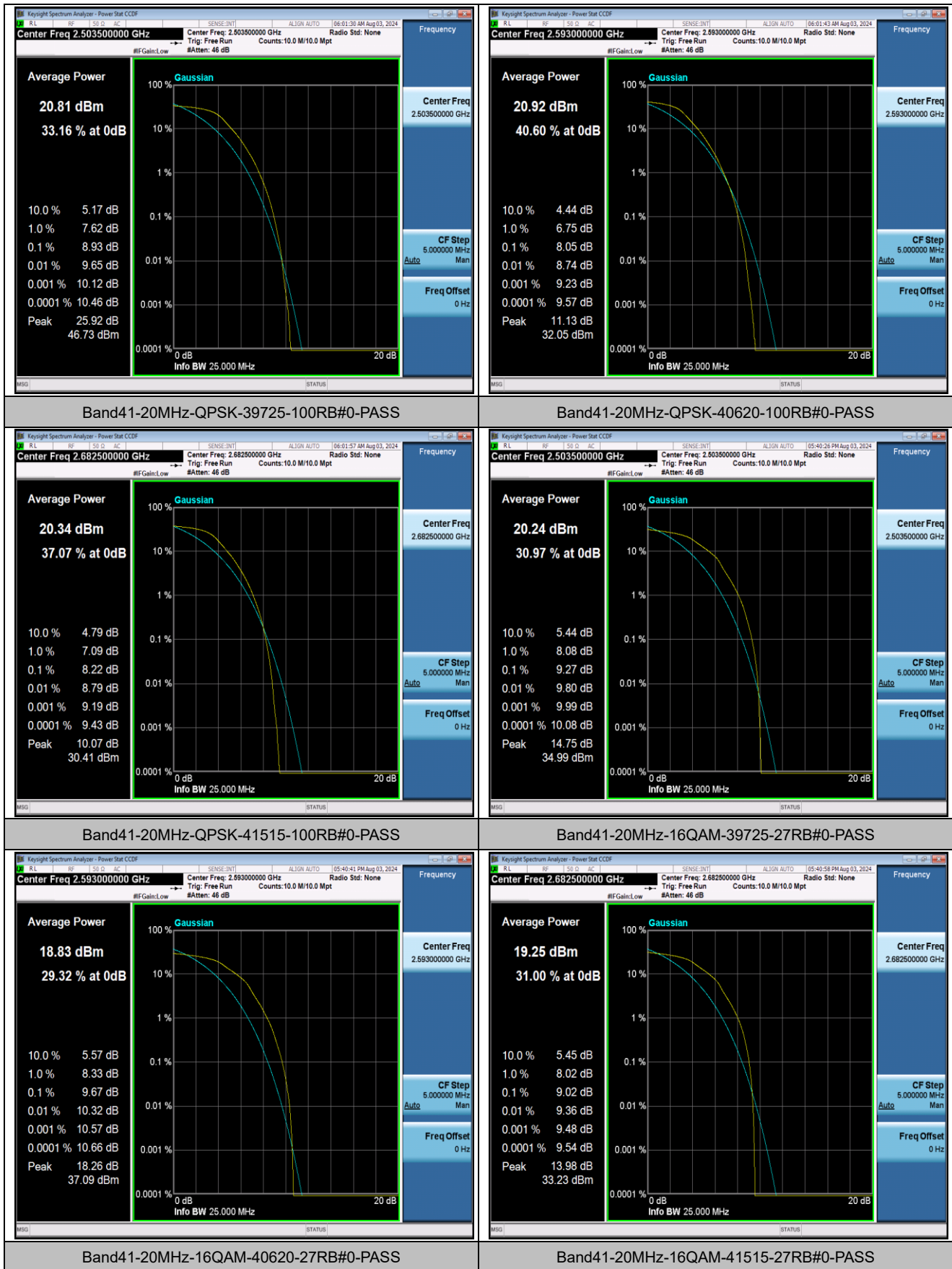
Band41	20MHz	QPSK	41490	100RB#0	23.79	26.00	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#49	24.5	26.71	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.15	26.36	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#0	24.22	26.43	33.01	PASS
Band41	20MHz	16QAM	39750	27RB#0	23.58	25.79	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.18	26.39	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#99	24.35	26.56	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#0	24.31	26.52	33.01	PASS
Band41	20MHz	16QAM	40620	27RB#0	22.91	25.12	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.79	26.00	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.8	26.01	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.85	26.06	33.01	PASS
Band41	20MHz	16QAM	41490	27RB#0	22.8	25.01	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.73	25.94	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.27	25.48	33.01	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band41	20MHz	QPSK	39725	100RB#0	8.93	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.05	13	PASS
Band41	20MHz	QPSK	41515	100RB#0	8.22	13	PASS
Band41	20MHz	16QAM	39725	27RB#0	9.27	13	PASS
Band41	20MHz	16QAM	40620	27RB#0	9.67	13	PASS
Band41	20MHz	16QAM	41515	27RB#0	9.02	13	PASS

Test Graphs

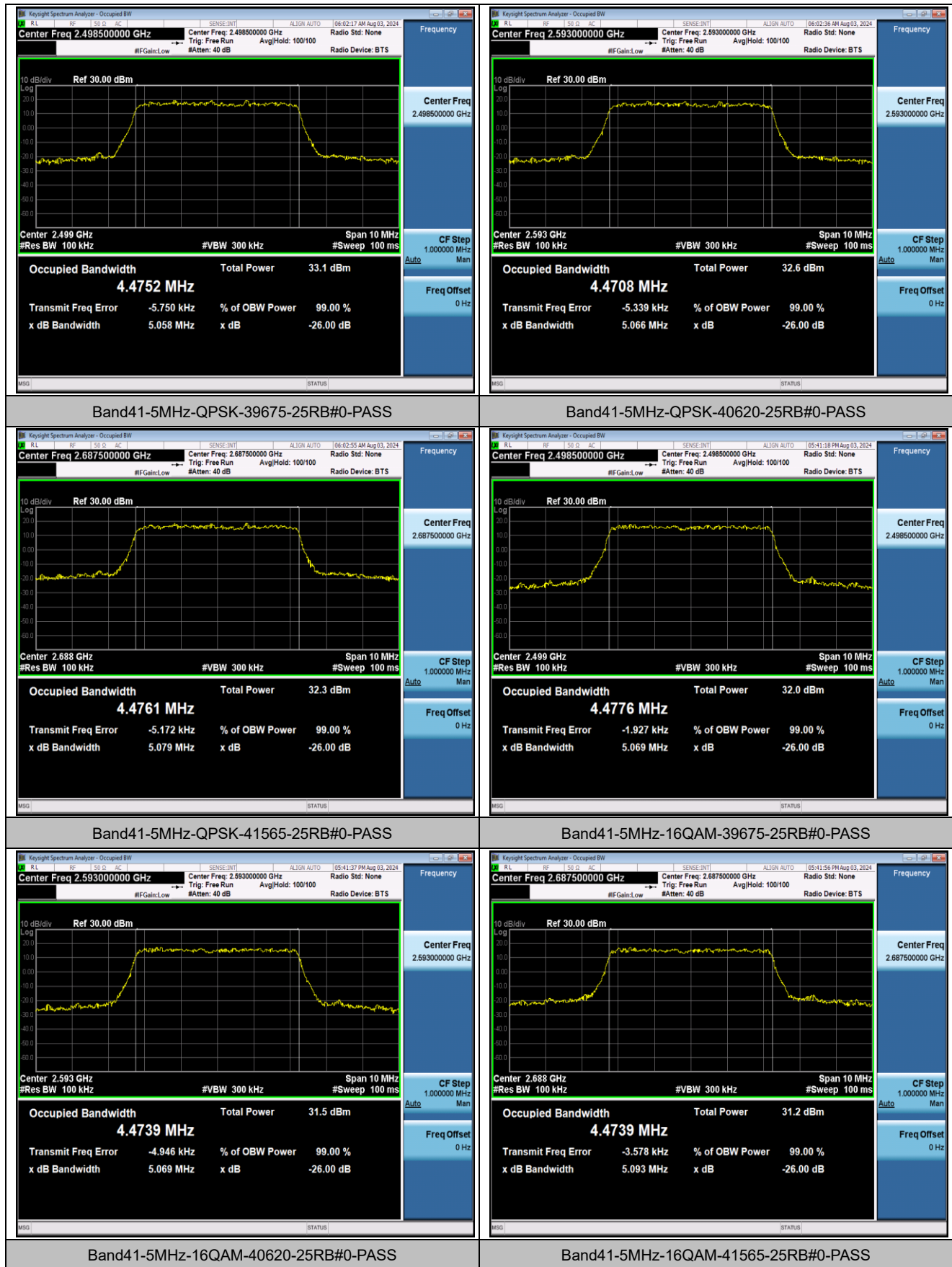


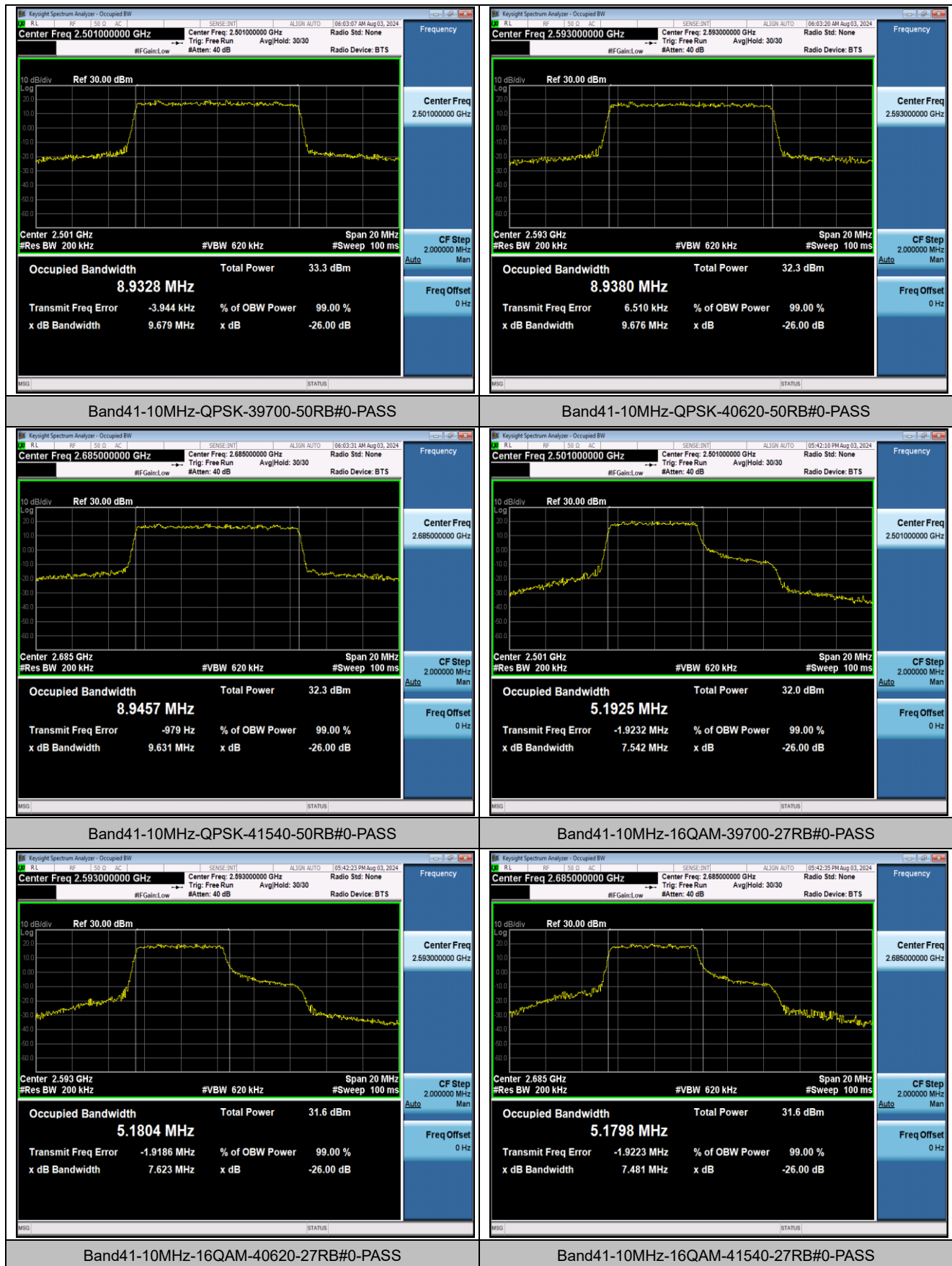
26dB Bandwidth and Occupied Bandwidth

Test Result

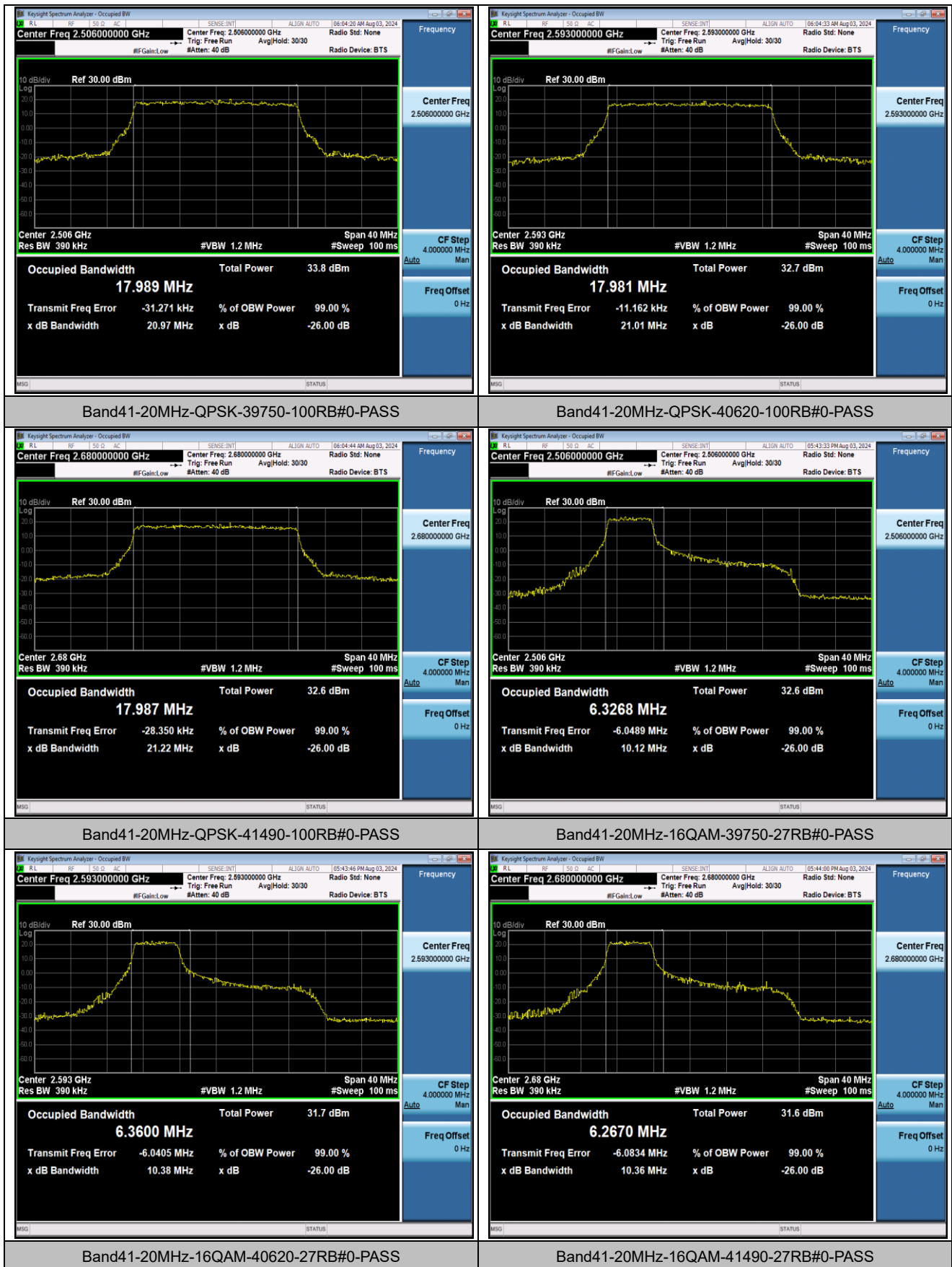
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4752	5.058	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4708	5.066	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4761	5.079	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4776	5.069	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4739	5.069	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4739	5.093	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9328	9.679	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9380	9.676	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9457	9.631	PASS
Band41	10MHz	16QAM	39700	27RB#0	5.1925	7.542	PASS
Band41	10MHz	16QAM	40620	27RB#0	5.1804	7.623	PASS
Band41	10MHz	16QAM	41540	27RB#0	5.1798	7.481	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.506	16.22	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.519	16.21	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.530	16.20	PASS
Band41	15MHz	16QAM	39725	27RB#0	5.7216	8.962	PASS
Band41	15MHz	16QAM	40620	27RB#0	5.7974	9.465	PASS
Band41	15MHz	16QAM	41515	27RB#0	5.7752	8.814	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.989	20.97	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.981	21.01	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.987	21.22	PASS
Band41	20MHz	16QAM	39750	27RB#0	6.3268	10.12	PASS
Band41	20MHz	16QAM	40620	27RB#0	6.3600	10.38	PASS
Band41	20MHz	16QAM	41490	27RB#0	6.2670	10.36	PASS

Test Graphs



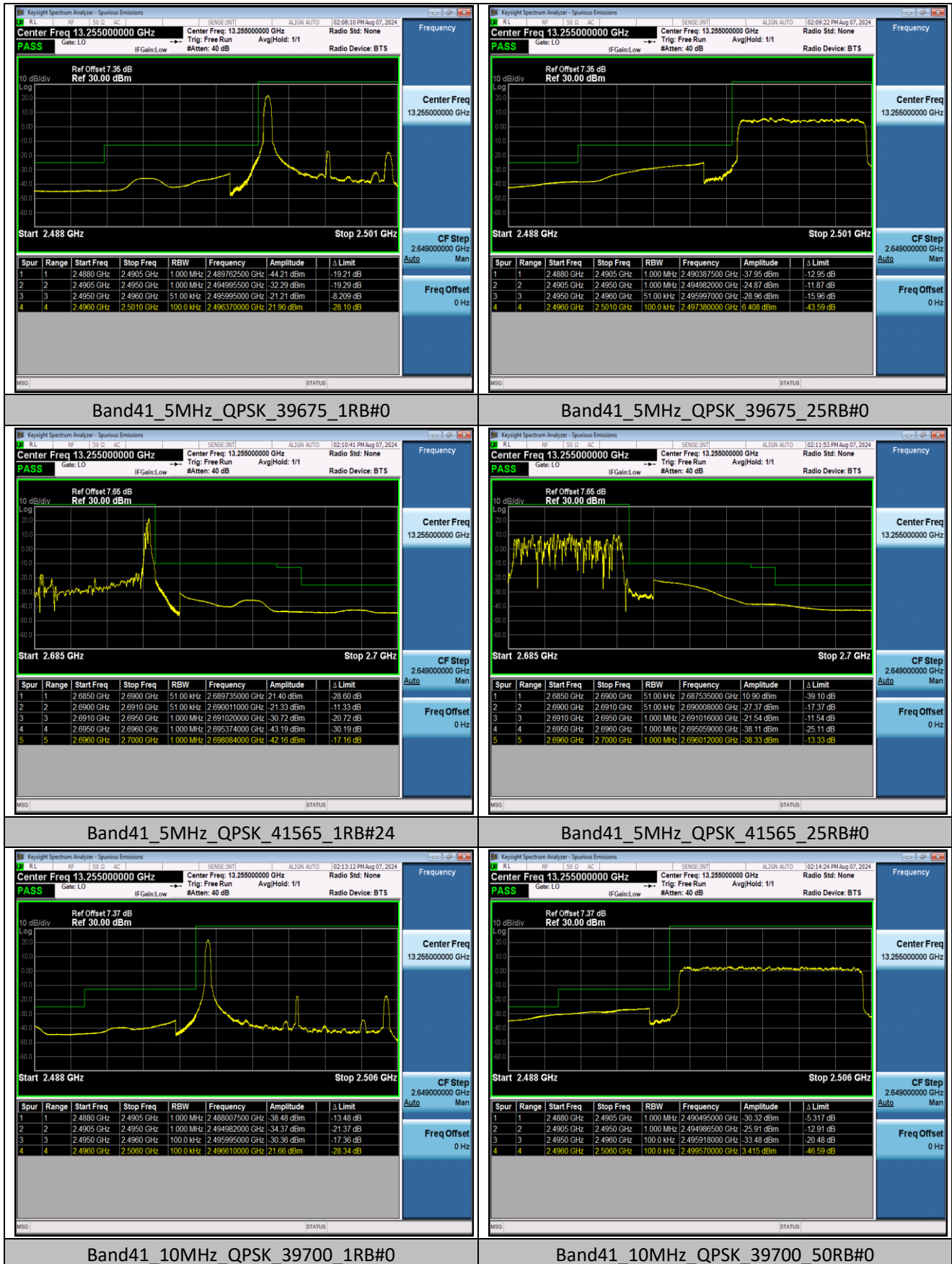


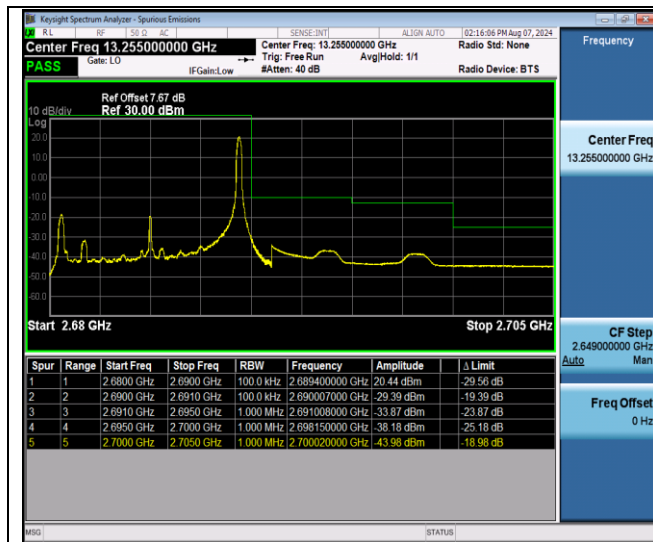




Band Edge

Test Graphs

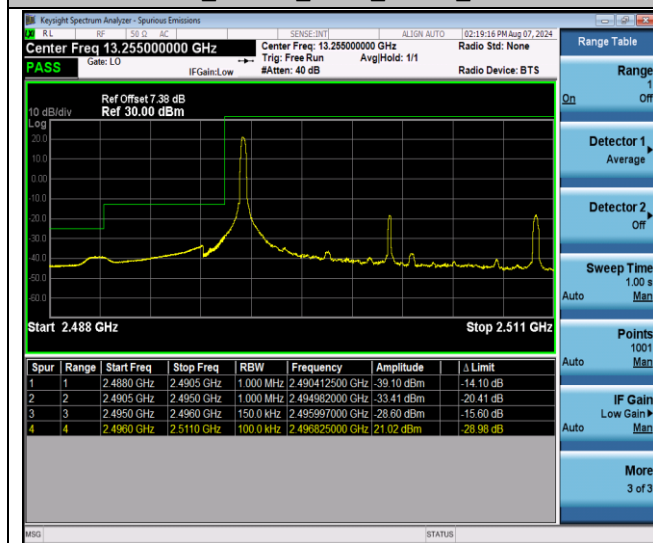




Band41_10MHz_QPSK_41540_1RB#49



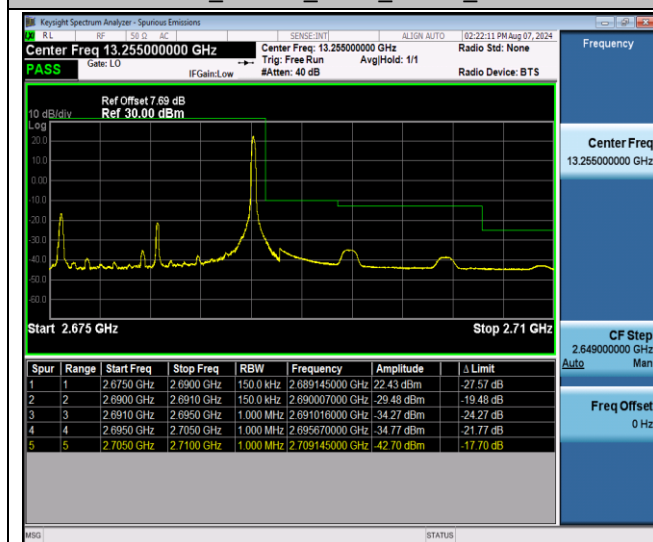
Band41_10MHz_QPSK_41540_50RB#0



Band41_15MHz_QPSK_39725_1RB#0



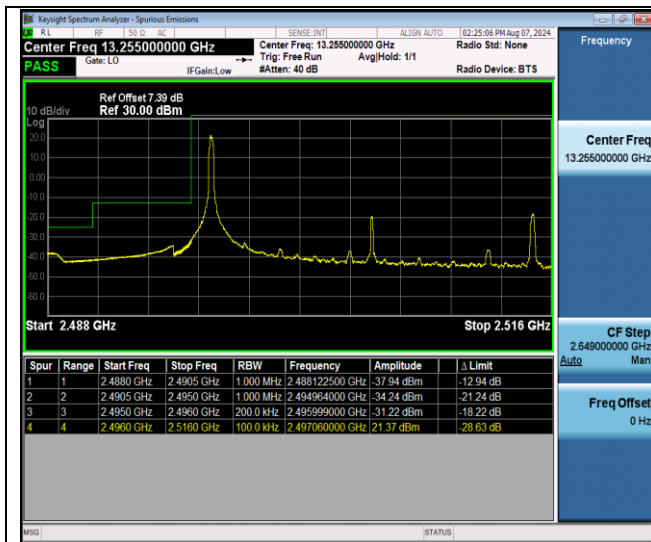
Band41_15MHz_QPSK_39725_75RB#0



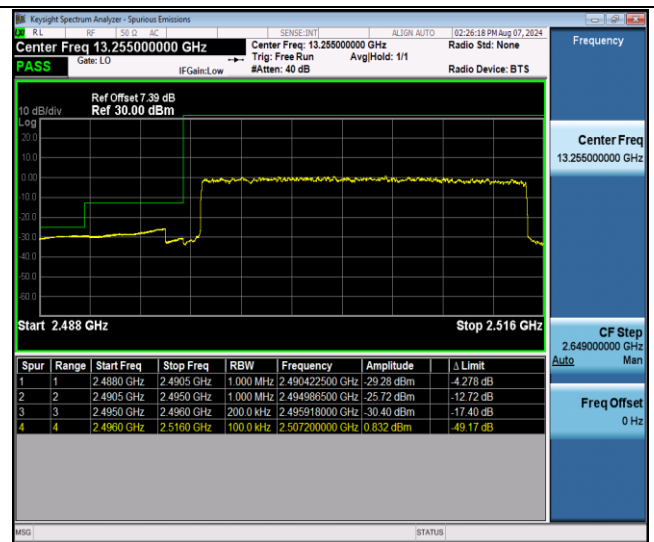
Band41_15MHz_QPSK_41515_1RB#74



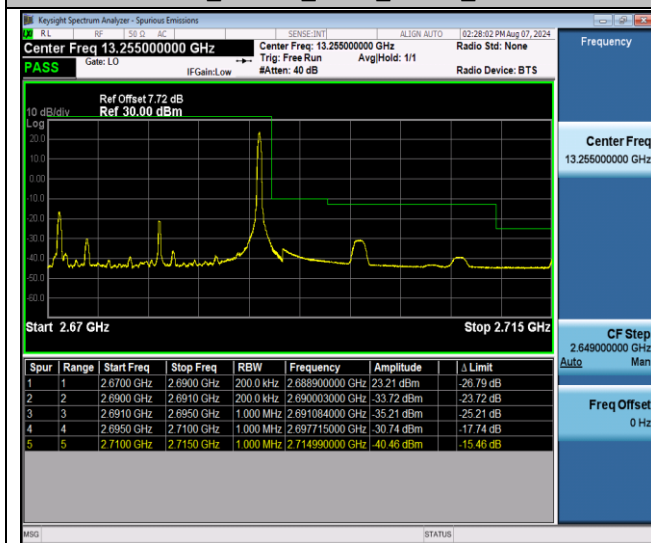
Band41_15MHz_QPSK_41515_75RB#0



Band41_20MHz_QPSK_39750_1RB#0



Band41_20MHz_QPSK_39750_100RB#0



Band41_20MHz_QPSK_41490_1RB#99



Band41_20MHz_QPSK_41490_100RB#0