

Appendix-B LTE Band 38

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	24.65	26.36	33.01	PASS
Band38	5MHz	QPSK	37775	25RB#0	23.75	25.46	33.01	PASS
Band38	5MHz	QPSK	37775	1RB#12	24.24	25.95	33.01	PASS
Band38	5MHz	QPSK	37775	1RB#24	24.03	25.74	33.01	PASS
Band38	5MHz	QPSK	38000	1RB#0	24.26	25.97	33.01	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.59	25.30	33.01	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.95	25.66	33.01	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.29	25.00	33.01	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.52	25.23	33.01	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.61	25.32	33.01	PASS
Band38	5MHz	QPSK	38225	1RB#12	24.08	25.79	33.01	PASS
Band38	5MHz	QPSK	38225	1RB#24	24.3	26.01	33.01	PASS
Band38	5MHz	16QAM	37775	1RB#0	23.94	25.65	33.01	PASS
Band38	5MHz	16QAM	37775	25RB#0	22.91	24.62	33.01	PASS
Band38	5MHz	16QAM	37775	1RB#12	23.57	25.28	33.01	PASS
Band38	5MHz	16QAM	37775	1RB#24	23.29	25.00	33.01	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.67	25.38	33.01	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.69	24.40	33.01	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.32	25.03	33.01	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.61	24.32	33.01	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.74	24.45	33.01	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.55	24.26	33.01	PASS
Band38	5MHz	16QAM	38225	1RB#12	23.31	25.02	33.01	PASS
Band38	5MHz	16QAM	38225	1RB#24	23.51	25.22	33.01	PASS
Band38	10MHz	QPSK	37800	1RB#0	24.74	26.45	33.01	PASS
Band38	10MHz	QPSK	37800	50RB#0	23.81	25.52	33.01	PASS
Band38	10MHz	QPSK	37800	1RB#24	24.54	26.25	33.01	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.68	25.39	33.01	PASS
Band38	10MHz	QPSK	38000	1RB#0	24.52	26.23	33.01	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.6	25.31	33.01	PASS
Band38	10MHz	QPSK	38000	1RB#24	24.3	26.01	33.01	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.45	25.16	33.01	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.18	24.89	33.01	PASS
Band38	10MHz	QPSK	38200	50RB#0	23.26	24.97	33.01	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.97	25.68	33.01	PASS
Band38	10MHz	QPSK	38200	1RB#49	24.23	25.94	33.01	PASS

Band38	10MHz	16QAM	37800	1RB#0	24.1	25.81	33.01	PASS
Band38	10MHz	16QAM	37800	27RB#0	23.06	24.77	33.01	PASS
Band38	10MHz	16QAM	37800	1RB#24	23.85	25.56	33.01	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.96	24.67	33.01	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.84	25.55	33.01	PASS
Band38	10MHz	16QAM	38000	27RB#0	22.6	24.31	33.01	PASS
Band38	10MHz	16QAM	38000	1RB#24	23.59	25.30	33.01	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.69	24.40	33.01	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.58	24.29	33.01	PASS
Band38	10MHz	16QAM	38200	27RB#0	22.43	24.14	33.01	PASS
Band38	10MHz	16QAM	38200	1RB#24	23.33	25.04	33.01	PASS
Band38	10MHz	16QAM	38200	1RB#49	23.56	25.27	33.01	PASS
Band38	15MHz	QPSK	37825	1RB#0	24.71	26.42	33.01	PASS
Band38	15MHz	QPSK	37825	75RB#0	23.65	25.36	33.01	PASS
Band38	15MHz	QPSK	37825	1RB#38	24.21	25.92	33.01	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.67	25.38	33.01	PASS
Band38	15MHz	QPSK	38000	1RB#0	24.68	26.39	33.01	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.56	25.27	33.01	PASS
Band38	15MHz	QPSK	38000	1RB#38	24.07	25.78	33.01	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.59	25.30	33.01	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.19	24.90	33.01	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.51	25.22	33.01	PASS
Band38	15MHz	QPSK	38175	1RB#38	24.03	25.74	33.01	PASS
Band38	15MHz	QPSK	38175	1RB#74	24.44	26.15	33.01	PASS
Band38	15MHz	16QAM	37825	1RB#0	23.95	25.66	33.01	PASS
Band38	15MHz	16QAM	37825	27RB#0	23.04	24.75	33.01	PASS
Band38	15MHz	16QAM	37825	1RB#38	23.37	25.08	33.01	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.91	24.62	33.01	PASS
Band38	15MHz	16QAM	38000	1RB#0	23.85	25.56	33.01	PASS
Band38	15MHz	16QAM	38000	27RB#0	22.92	24.63	33.01	PASS
Band38	15MHz	16QAM	38000	1RB#38	23.2	24.91	33.01	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.7	24.41	33.01	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.27	23.98	33.01	PASS
Band38	15MHz	16QAM	38175	27RB#0	22.49	24.20	33.01	PASS
Band38	15MHz	16QAM	38175	1RB#38	23.16	24.87	33.01	PASS
Band38	15MHz	16QAM	38175	1RB#74	23.59	25.30	33.01	PASS
Band38	20MHz	QPSK	37850	1RB#0	24.61	26.32	33.01	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.57	25.28	33.01	PASS
Band38	20MHz	QPSK	37850	1RB#49	24.45	26.16	33.01	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.56	25.27	33.01	PASS
Band38	20MHz	QPSK	38000	1RB#0	24.55	26.26	33.01	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.48	25.19	33.01	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.2	25.91	33.01	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.53	25.24	33.01	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.9	24.61	33.01	PASS

Band38	20MHz	QPSK	38150	100RB#0	23.43	25.14	33.01	PASS
Band38	20MHz	QPSK	38150	1RB#49	24.24	25.95	33.01	PASS
Band38	20MHz	QPSK	38150	1RB#99	24.19	25.90	33.01	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.82	25.53	33.01	PASS
Band38	20MHz	16QAM	37850	27RB#0	23.04	24.75	33.01	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.61	25.32	33.01	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.68	24.39	33.01	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.81	25.52	33.01	PASS
Band38	20MHz	16QAM	38000	27RB#0	22.79	24.50	33.01	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.42	25.13	33.01	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.73	24.44	33.01	PASS
Band38	20MHz	16QAM	38150	1RB#0	23.83	25.54	33.01	PASS
Band38	20MHz	16QAM	38150	27RB#0	22.48	24.19	33.01	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.49	25.20	33.01	PASS
Band38	20MHz	16QAM	38150	1RB#99	23.35	25.06	33.01	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band38	20MHz	QPSK	20850	100RB#0	8.49	13	PASS
Band38	20MHz	QPSK	21100	100RB#0	8.50	13	PASS
Band38	20MHz	QPSK	21350	100RB#0	8.50	13	PASS
Band38	20MHz	16QAM	20850	27RB#0	8.49	13	PASS
Band38	20MHz	16QAM	21100	27RB#0	8.49	13	PASS
Band38	20MHz	16QAM	21350	27RB#0	8.50	13	PASS

Test Graphs

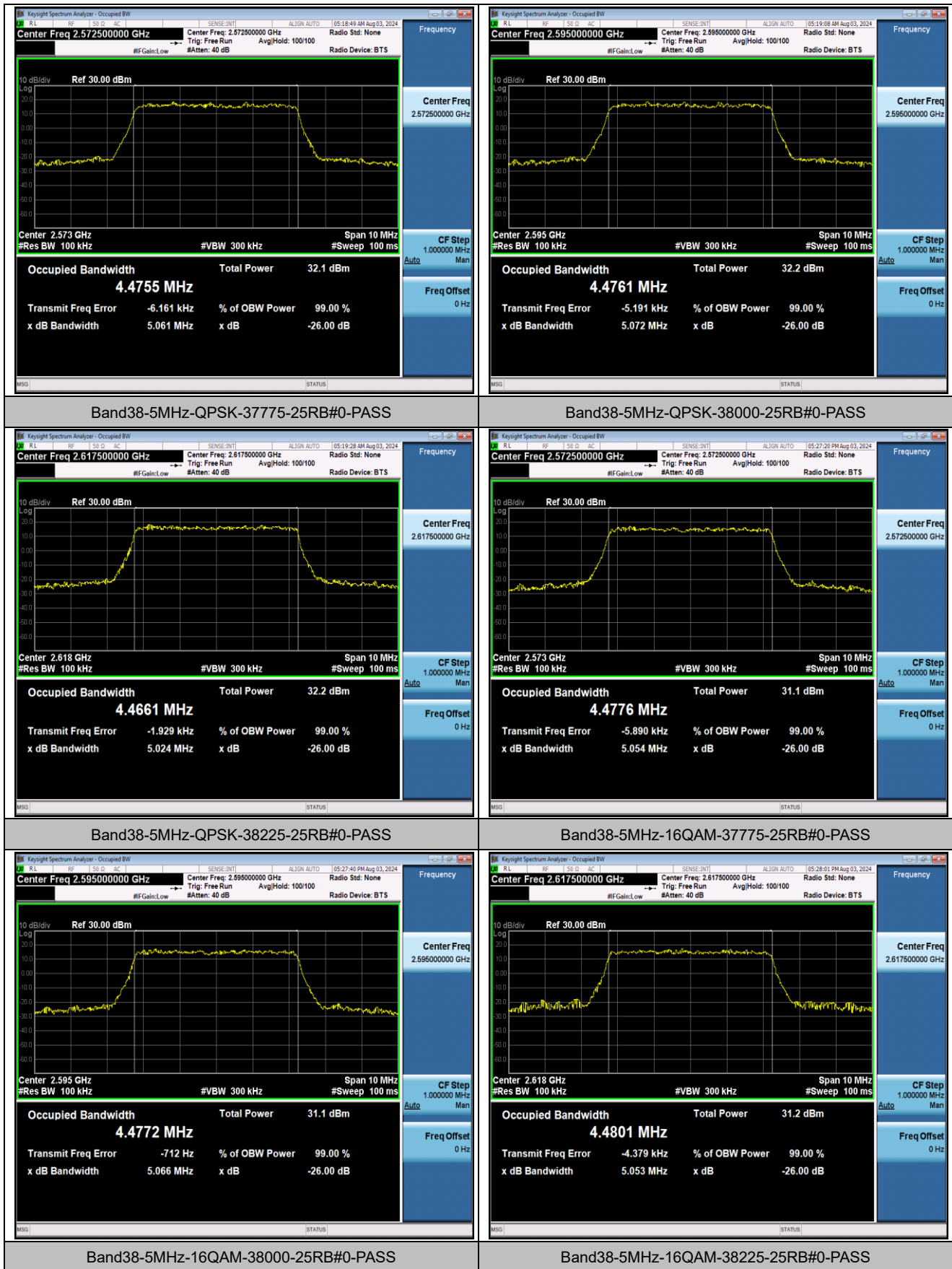


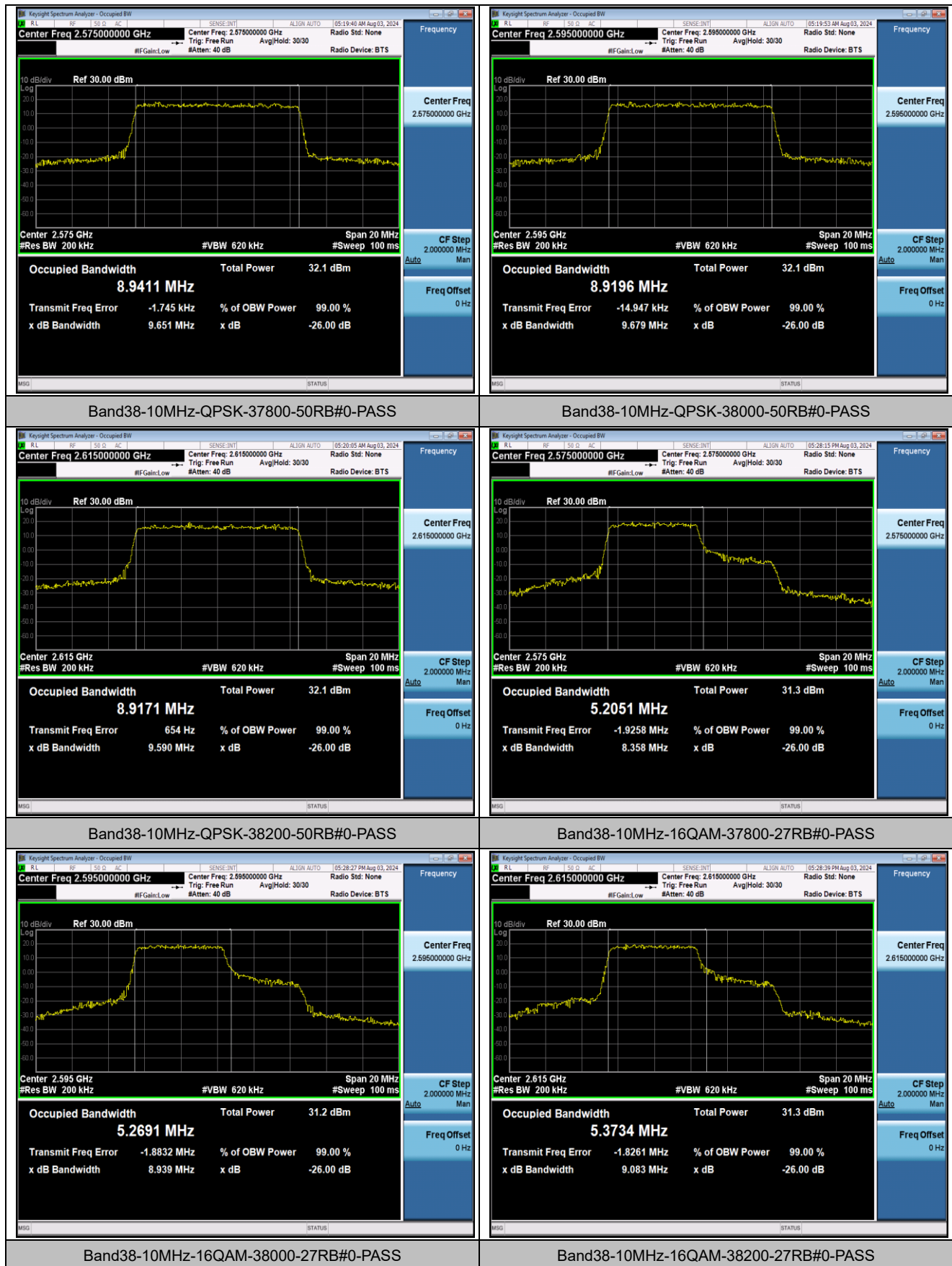
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4755	5.061	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4761	5.072	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4661	5.024	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4776	5.054	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4772	5.066	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4801	5.053	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9411	9.651	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9196	9.679	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9171	9.590	PASS
Band38	10MHz	16QAM	37800	27RB#0	5.2051	8.358	PASS
Band38	10MHz	16QAM	38000	27RB#0	5.2691	8.939	PASS
Band38	10MHz	16QAM	38200	27RB#0	5.3734	9.083	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.499	16.17	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.503	16.35	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.485	16.36	PASS
Band38	15MHz	16QAM	37825	27RB#0	5.9475	10.17	PASS
Band38	15MHz	16QAM	38000	27RB#0	5.8558	9.421	PASS
Band38	15MHz	16QAM	38175	27RB#0	5.7831	8.909	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.962	20.95	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.951	21.05	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.011	20.99	PASS
Band38	20MHz	16QAM	37850	27RB#0	6.4135	9.355	PASS
Band38	20MHz	16QAM	38000	27RB#0	6.5702	10.37	PASS
Band38	20MHz	16QAM	38150	27RB#0	6.8256	9.828	PASS

Test Graphs



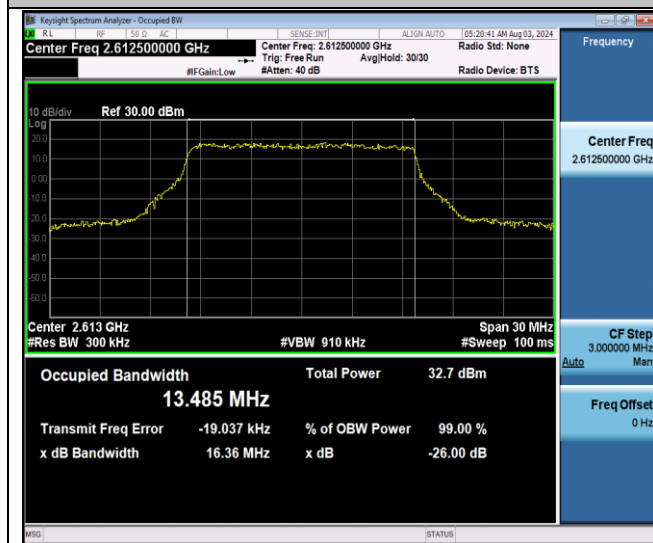




Band38-15MHz-QPSK-37825-75RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



Band38-15MHz-QPSK-38175-75RB#0-PASS



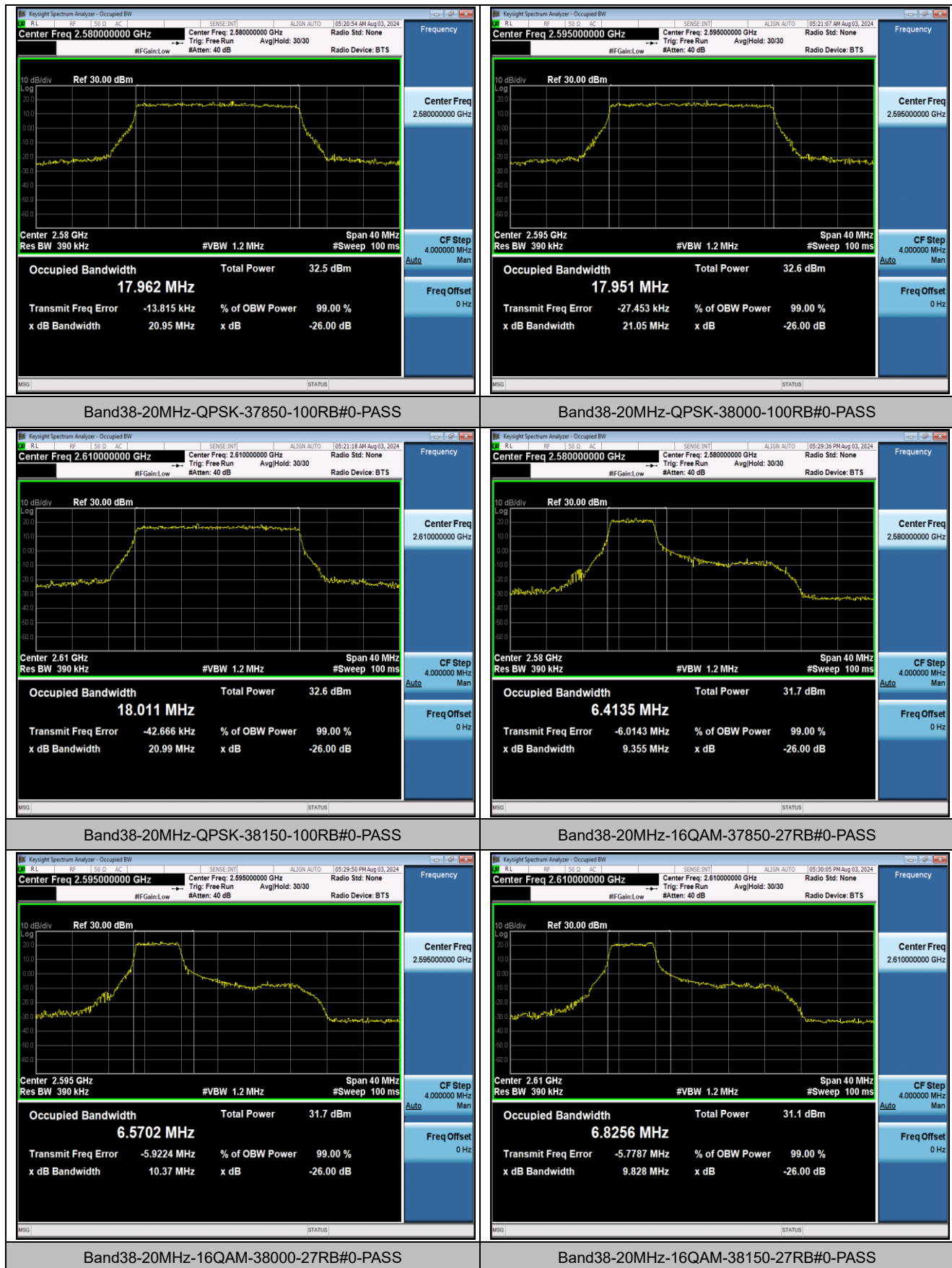
Band38-15MHz-16QAM-37825-27RB#0-PASS



Band38-15MHz-16QAM-38000-27RB#0-PASS



Band38-15MHz-16QAM-38175-27RB#0-PASS

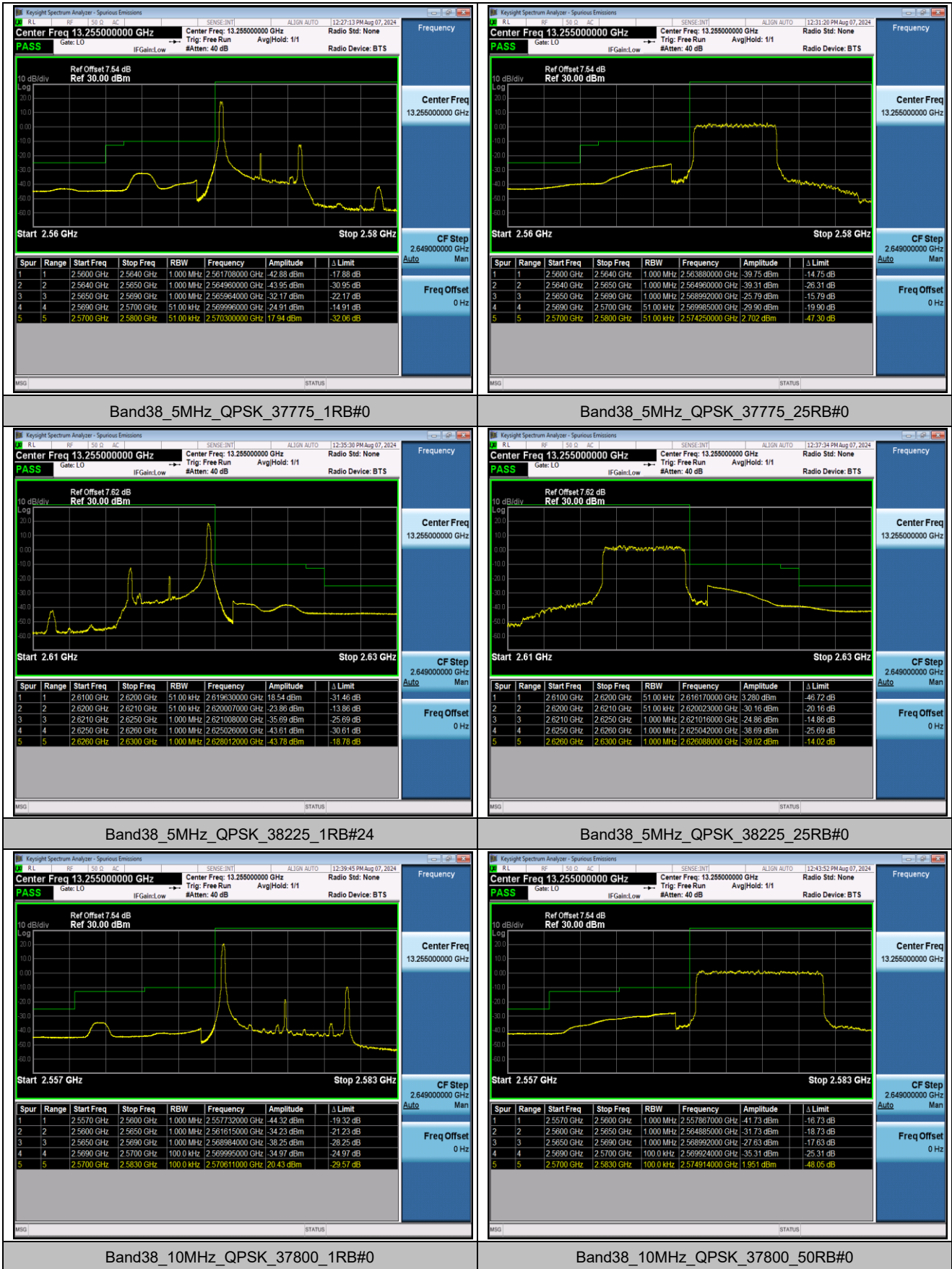


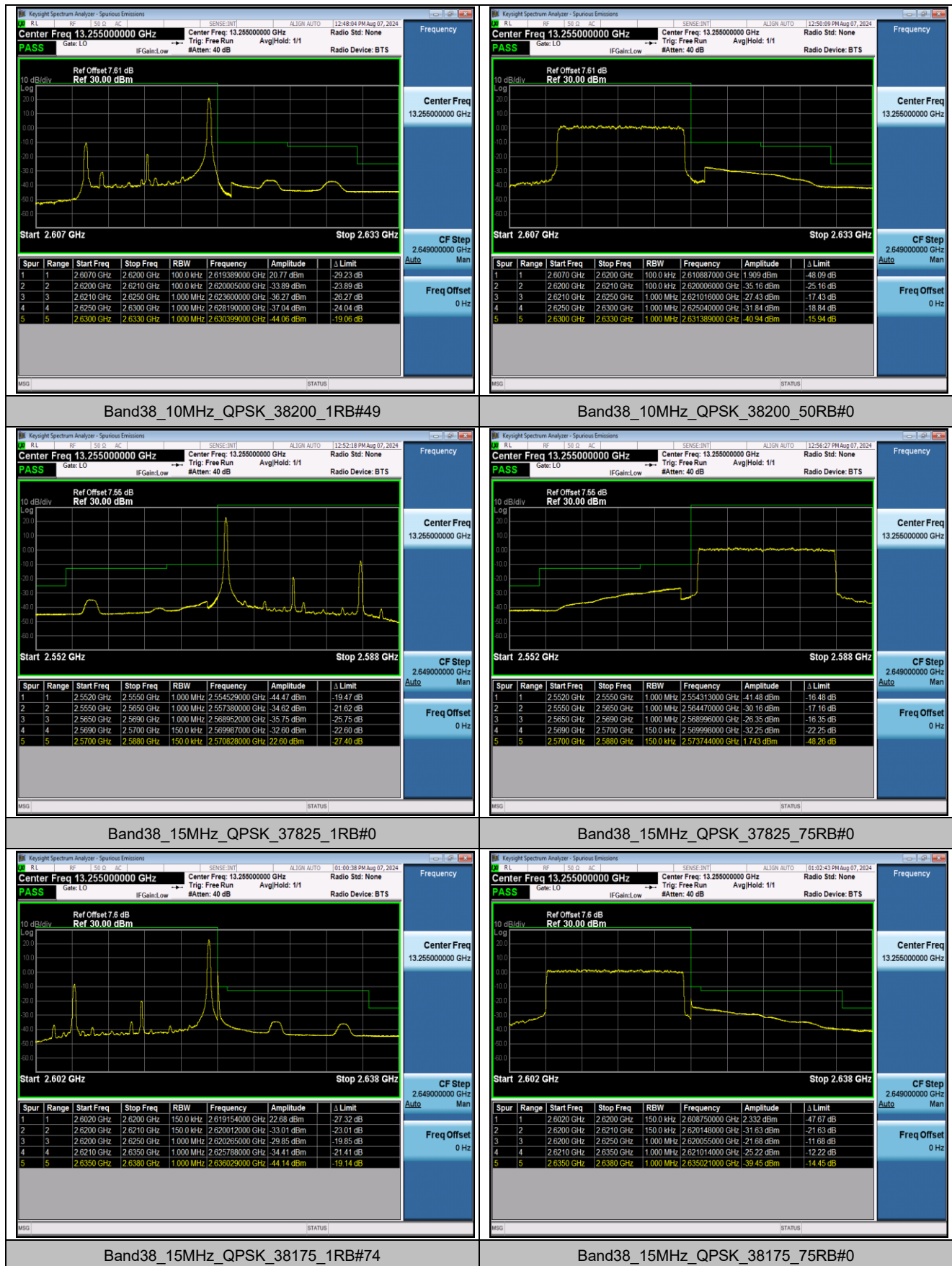
Band Edge

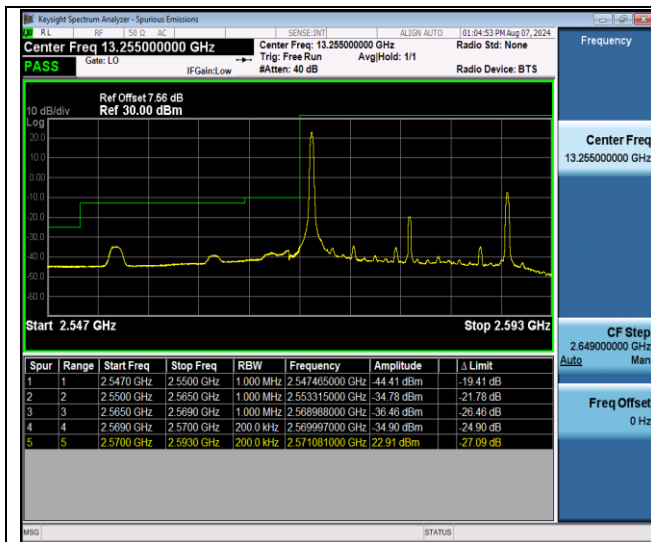
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-43.98	PASS
Band38	5MHz	QPSK	37775	25RB#0	-41.78	PASS
Band38	5MHz	QPSK	38225	1RB#24	-29.45	PASS
Band38	5MHz	QPSK	38225	25RB#0	-41.79	PASS
Band38	10MHz	QPSK	37800	1RB#0	-44.92	PASS
Band38	10MHz	QPSK	37800	50RB#0	-43.53	PASS
Band38	10MHz	QPSK	38200	1RB#49	-44.64	PASS
Band38	10MHz	QPSK	38200	50RB#0	-42.87	PASS
Band38	15MHz	QPSK	37825	1RB#0	-44.74	PASS
Band38	15MHz	QPSK	37825	75RB#0	-43.36	PASS
Band38	15MHz	QPSK	38175	1RB#74	-44.03	PASS
Band38	15MHz	QPSK	38175	75RB#0	-42.14	PASS
Band38	20MHz	QPSK	37850	1RB#0	-44.75	PASS
Band38	20MHz	QPSK	37850	100RB#0	-44.11	PASS
Band38	20MHz	QPSK	38150	1RB#99	-42.72	PASS
Band38	20MHz	QPSK	38150	100RB#0	-43.31	PASS

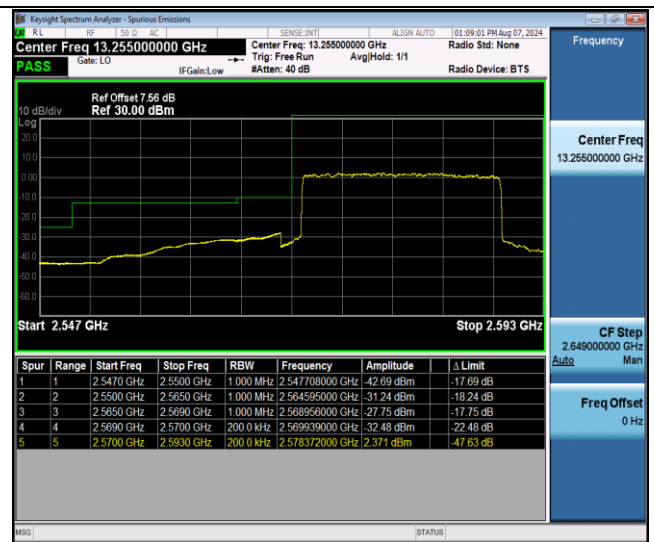
Test Graphs



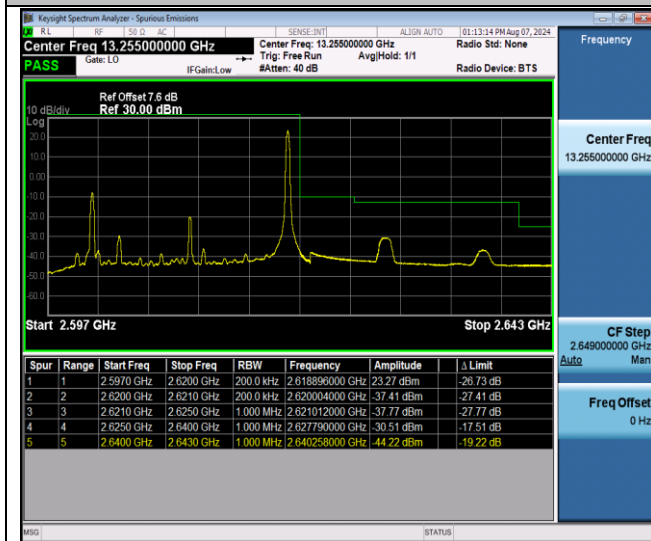




Band38_20MHz_QPSK_37850_1RB#0



Band38_20MHz_QPSK_37850_100RB#0



Band38_20MHz_QPSK_38150_1RB#99



Band38_20MHz_QPSK_38150_100RB#0