

Appendix-A LTE Band 48

Effective (Isotropic) Radiated Power Output Data

Test Result

Ant8 Main:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	17.52	22.12	PASS
Band48	5MHz	QPSK	55265	1RB#12	17.58	22.18	PASS
Band48	5MHz	QPSK	55265	1RB#24	17.47	22.07	PASS
Band48	5MHz	16QAM	55265	1RB#0	17.32	21.92	PASS
Band48	5MHz	16QAM	55265	1RB#12	17.17	21.77	PASS
Band48	5MHz	16QAM	55265	1RB#24	17.09	21.69	PASS
Band48	5MHz	64QAM	55265	1RB#0	15.72	20.32	PASS
Band48	5MHz	64QAM	55265	1RB#12	16.14	20.74	PASS
Band48	5MHz	64QAM	55265	1RB#24	15.84	20.44	PASS
Band48	5MHz	256QAM	55265	1RB#0	12.76	17.36	PASS
Band48	5MHz	256QAM	55265	1RB#12	13.15	17.75	PASS
Band48	5MHz	256QAM	55265	1RB#24	12.59	17.19	PASS
Band48	5MHz	QPSK	55990	1RB#0	17.41	22.01	PASS
Band48	5MHz	QPSK	55990	1RB#12	17.47	22.07	PASS
Band48	5MHz	QPSK	55990	1RB#24	17.45	22.05	PASS
Band48	5MHz	16QAM	55990	1RB#0	16.86	21.46	PASS
Band48	5MHz	16QAM	55990	1RB#12	16.96	21.56	PASS
Band48	5MHz	16QAM	55990	1RB#24	17.07	21.67	PASS
Band48	5MHz	64QAM	55990	1RB#0	15.88	20.48	PASS
Band48	5MHz	64QAM	55990	1RB#12	16.04	20.64	PASS
Band48	5MHz	64QAM	55990	1RB#24	15.83	20.43	PASS
Band48	5MHz	256QAM	55990	1RB#0	12.25	16.85	PASS
Band48	5MHz	256QAM	55990	1RB#12	12.66	17.26	PASS
Band48	5MHz	256QAM	55990	1RB#24	12.7	17.3	PASS
Band48	5MHz	QPSK	56715	1RB#0	17.05	21.65	PASS
Band48	5MHz	QPSK	56715	1RB#12	17.10	21.7	PASS
Band48	5MHz	QPSK	56715	1RB#24	17.04	21.64	PASS
Band48	5MHz	64QAM	56715	1RB#12	15.56	20.16	PASS
Band48	5MHz	64QAM	56715	1RB#24	15.41	20.01	PASS
Band48	5MHz	256QAM	56715	1RB#0	12.3	16.9	PASS
Band48	5MHz	256QAM	56715	1RB#12	12.35	16.95	PASS
Band48	5MHz	256QAM	56715	1RB#24	12.19	16.79	PASS
Band48	5MHz	64QAM	56715	1RB#12	15.56	20.16	PASS
Band48	5MHz	64QAM	56715	1RB#24	15.41	20.01	PASS
Band48	5MHz	256QAM	56715	1RB#0	12.3	16.9	PASS

Band48	5MHz	256QAM	56715	1RB#12	12.35	16.95	PASS
Band48	10MHz	QPSK	55290	1RB#0	17.50	22.1	PASS
Band48	10MHz	QPSK	55290	1RB#24	17.57	22.17	PASS
Band48	10MHz	QPSK	55290	1RB#49	17.45	22.05	PASS
Band48	10MHz	16QAM	55290	1RB#0	16.84	21.44	PASS
Band48	10MHz	16QAM	55290	1RB#24	17.26	21.86	PASS
Band48	10MHz	16QAM	55290	1RB#49	17.01	21.61	PASS
Band48	10MHz	64QAM	55290	1RB#0	16.23	20.83	PASS
Band48	10MHz	64QAM	55290	1RB#24	16.17	20.77	PASS
Band48	10MHz	64QAM	55290	1RB#49	16.03	20.63	PASS
Band48	10MHz	256QAM	55290	1RB#0	12.86	17.46	PASS
Band48	10MHz	256QAM	55290	1RB#24	12.79	17.39	PASS
Band48	10MHz	256QAM	55290	1RB#49	12.88	17.48	PASS
Band48	10MHz	QPSK	55990	1RB#0	17.41	22.01	PASS
Band48	10MHz	QPSK	55990	1RB#24	17.49	22.09	PASS
Band48	10MHz	QPSK	55990	1RB#49	17.49	22.09	PASS
Band48	10MHz	16QAM	55990	1RB#0	17.01	21.61	PASS
Band48	10MHz	16QAM	55990	1RB#24	17.04	21.64	PASS
Band48	10MHz	16QAM	55990	1RB#49	17.13	21.73	PASS
Band48	10MHz	64QAM	55990	1RB#0	15.89	20.49	PASS
Band48	10MHz	64QAM	55990	1RB#24	16.01	20.61	PASS
Band48	10MHz	64QAM	55990	1RB#49	15.96	20.56	PASS
Band48	10MHz	256QAM	55990	1RB#0	12.19	16.79	PASS
Band48	10MHz	256QAM	55990	1RB#24	12.8	17.4	PASS
Band48	10MHz	256QAM	55990	1RB#49	13.04	17.64	PASS
Band48	10MHz	QPSK	56690	1RB#0	17.13	21.73	PASS
Band48	10MHz	QPSK	56690	1RB#24	17.14	21.74	PASS
Band48	10MHz	QPSK	56690	1RB#49	17.11	21.71	PASS
Band48	10MHz	16QAM	56690	1RB#0	16.43	21.03	PASS
Band48	10MHz	16QAM	56690	1RB#24	16.3	20.9	PASS
Band48	10MHz	16QAM	56690	1RB#49	16.58	21.18	PASS
Band48	10MHz	64QAM	56690	1RB#0	15.51	20.11	PASS
Band48	10MHz	64QAM	56690	1RB#24	15.53	20.13	PASS
Band48	10MHz	64QAM	56690	1RB#49	15.6	20.2	PASS
Band48	10MHz	256QAM	56690	1RB#0	12.32	16.92	PASS
Band48	10MHz	256QAM	56690	1RB#24	12.69	17.29	PASS
Band48	10MHz	256QAM	56690	1RB#49	12.52	17.12	PASS
Band48	15MHz	QPSK	55315	1RB#0	17.44	22.04	PASS
Band48	15MHz	QPSK	55315	1RB#38	17.46	22.06	PASS
Band48	15MHz	QPSK	55315	1RB#74	17.48	22.08	PASS
Band48	15MHz	16QAM	55315	1RB#0	16.89	21.49	PASS
Band48	15MHz	16QAM	55315	1RB#38	17.03	21.63	PASS
Band48	15MHz	16QAM	55315	1RB#74	16.79	21.39	PASS
Band48	15MHz	64QAM	55315	1RB#0	15.81	20.41	PASS
Band48	15MHz	64QAM	55315	1RB#38	15.98	20.58	PASS

Band48	15MHz	64QAM	55315	1RB#74	15.79	20.39	PASS
Band48	15MHz	256QAM	55315	1RB#0	12.81	17.41	PASS
Band48	15MHz	256QAM	55315	1RB#38	13.11	17.71	PASS
Band48	15MHz	256QAM	55315	1RB#74	12.76	17.36	PASS
Band48	15MHz	QPSK	55990	1RB#0	17.32	21.92	PASS
Band48	15MHz	QPSK	55990	1RB#38	17.54	22.14	PASS
Band48	15MHz	QPSK	55990	1RB#74	17.60	22.2	PASS
Band48	15MHz	16QAM	55990	1RB#0	16.72	21.32	PASS
Band48	15MHz	16QAM	55990	1RB#38	17.28	21.88	PASS
Band48	15MHz	16QAM	55990	1RB#74	17.22	21.82	PASS
Band48	15MHz	64QAM	55990	1RB#0	15.92	20.52	PASS
Band48	15MHz	64QAM	55990	1RB#38	15.8	20.4	PASS
Band48	15MHz	64QAM	55990	1RB#74	15.81	20.41	PASS
Band48	15MHz	256QAM	55990	1RB#0	12.23	16.83	PASS
Band48	15MHz	256QAM	55990	1RB#38	12.88	17.48	PASS
Band48	15MHz	256QAM	55990	1RB#74	12.58	17.18	PASS
Band48	15MHz	QPSK	56665	1RB#0	17.19	21.79	PASS
Band48	15MHz	QPSK	56665	1RB#38	17.13	21.73	PASS
Band48	15MHz	QPSK	56665	1RB#74	17.15	21.75	PASS
Band48	15MHz	16QAM	56665	1RB#0	16.58	21.18	PASS
Band48	15MHz	16QAM	56665	1RB#38	16.58	21.18	PASS
Band48	15MHz	16QAM	56665	1RB#74	16.48	21.08	PASS
Band48	15MHz	64QAM	56665	1RB#0	15.7	20.3	PASS
Band48	15MHz	64QAM	56665	1RB#38	15.65	20.25	PASS
Band48	15MHz	64QAM	56665	1RB#74	15.43	20.03	PASS
Band48	15MHz	256QAM	56665	1RB#0	12.19	16.79	PASS
Band48	15MHz	256QAM	56665	1RB#38	12.36	16.96	PASS
Band48	15MHz	256QAM	56665	1RB#74	12.47	17.07	PASS
Band48	20MHz	QPSK	55340	1RB#0	17.48	22.08	PASS
Band48	20MHz	QPSK	55340	1RB#49	17.54	22.14	PASS
Band48	20MHz	QPSK	55340	1RB#99	17.42	22.02	PASS
Band48	20MHz	16QAM	55340	1RB#0	16.76	21.36	PASS
Band48	20MHz	16QAM	55340	1RB#49	16.95	21.55	PASS
Band48	20MHz	16QAM	55340	1RB#99	16.78	21.38	PASS
Band48	20MHz	64QAM	55340	1RB#0	15.89	20.49	PASS
Band48	20MHz	64QAM	55340	1RB#49	16.07	20.67	PASS
Band48	20MHz	64QAM	55340	1RB#99	15.81	20.41	PASS
Band48	20MHz	256QAM	55340	1RB#0	12.52	17.12	PASS
Band48	20MHz	256QAM	55340	1RB#49	12.4	17	PASS
Band48	20MHz	256QAM	55340	1RB#99	12.47	17.07	PASS
Band48	20MHz	QPSK	55990	1RB#0	17.43	22.03	PASS
Band48	20MHz	QPSK	55990	1RB#49	17.47	22.07	PASS
Band48	20MHz	QPSK	55990	1RB#99	17.55	22.15	PASS
Band48	20MHz	16QAM	55990	1RB#0	16.87	21.47	PASS
Band48	20MHz	16QAM	55990	1RB#49	16.97	21.57	PASS

Band48	20MHz	16QAM	55990	1RB#99	17.06	21.66	PASS
Band48	20MHz	64QAM	55990	1RB#0	15.88	20.48	PASS
Band48	20MHz	64QAM	55990	1RB#49	15.68	20.28	PASS
Band48	20MHz	64QAM	55990	1RB#99	15.8	20.4	PASS
Band48	20MHz	256QAM	55990	1RB#0	12.3	16.9	PASS
Band48	20MHz	256QAM	55990	1RB#49	12.83	17.43	PASS
Band48	20MHz	256QAM	55990	1RB#99	12.88	17.48	PASS
Band48	20MHz	QPSK	56640	1RB#0	17.24	21.84	PASS
Band48	20MHz	QPSK	56640	1RB#49	17.30	21.9	PASS
Band48	20MHz	QPSK	56640	1RB#99	17.19	21.79	PASS
Band48	20MHz	16QAM	56640	1RB#0	16.8	21.4	PASS
Band48	20MHz	16QAM	56640	1RB#49	16.66	21.26	PASS
Band48	20MHz	16QAM	56640	1RB#99	16.7	21.3	PASS
Band48	20MHz	64QAM	56640	1RB#0	15.85	20.45	PASS
Band48	20MHz	64QAM	56640	1RB#49	15.76	20.36	PASS
Band48	20MHz	64QAM	56640	1RB#99	15.58	20.18	PASS
Band48	20MHz	256QAM	56640	1RB#0	12.18	16.78	PASS
Band48	20MHz	256QAM	56640	1RB#49	12.59	17.19	PASS
Band48	20MHz	256QAM	56640	1RB#99	12.42	17.02	PASS

Maximum EIRP and Maximum PSD

Test Result

Ant8 Main:

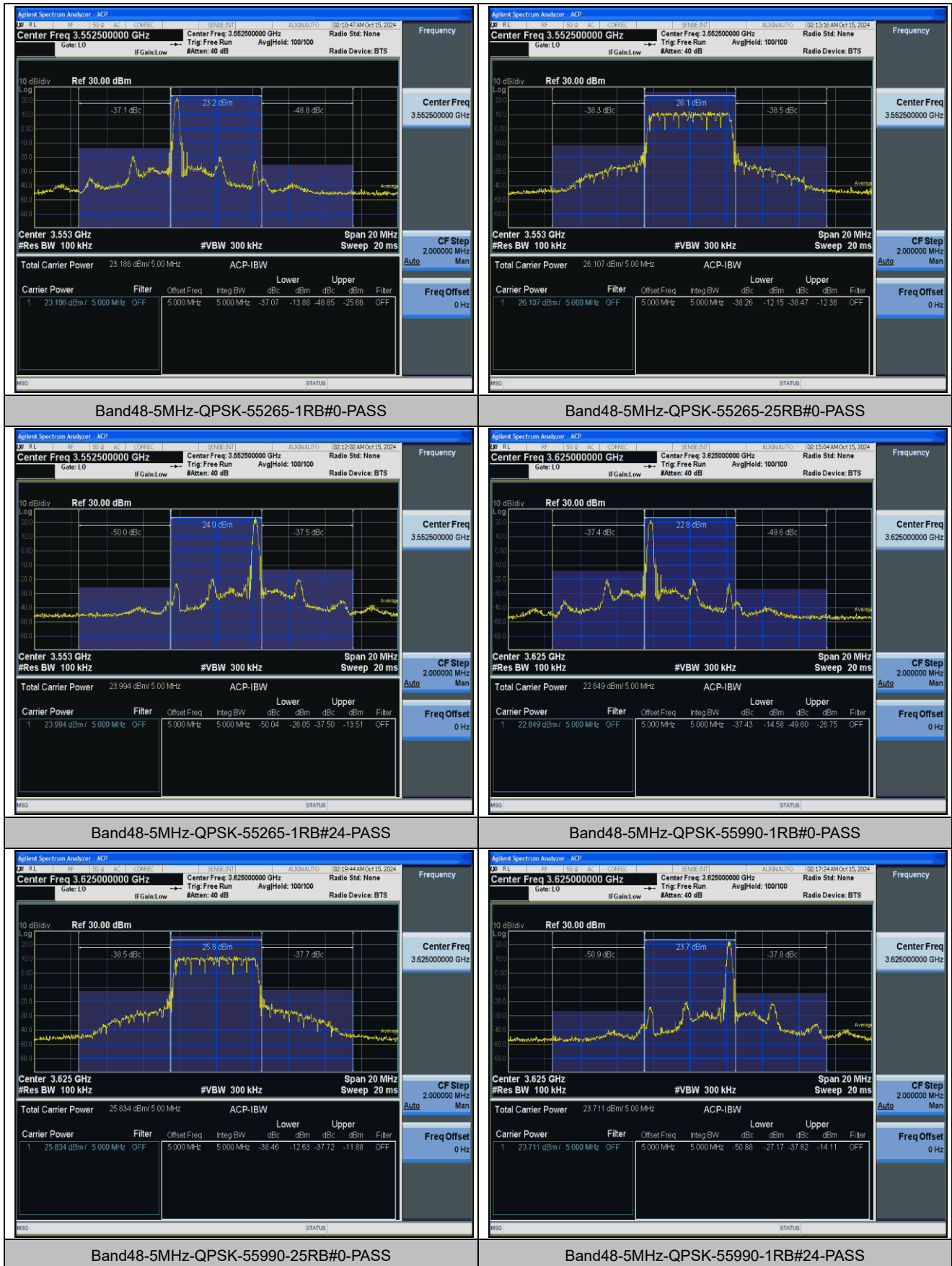
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	PSD Limit	Verdict
Band48	5MHz	QPSK	55265	1RB#0	17.84	22.44	23	N/A	PASS
Band48	5MHz	QPSK	55265	1RB#12	17.88	22.48	23	N/A	PASS
Band48	5MHz	QPSK	55265	1RB#24	17.87	22.47	23	N/A	PASS
Band48	5MHz	QPSK	55990	1RB#0	17.41	22.01	23	N/A	PASS
Band48	5MHz	QPSK	55990	1RB#12	17.32	21.92	23	N/A	PASS
Band48	5MHz	QPSK	55990	1RB#24	17.32	21.92	23	N/A	PASS
Band48	5MHz	QPSK	56715	1RB#0	16.86	21.46	23	N/A	PASS
Band48	5MHz	QPSK	56715	1RB#12	16.88	21.48	23	N/A	PASS
Band48	5MHz	QPSK	56715	1RB#24	16.75	21.35	23	N/A	PASS
Band48	10MHz	QPSK	55290	1RB#0	17.84	22.44	23	N/A	PASS
Band48	10MHz	QPSK	55290	1RB#24	17.96	22.56	23	N/A	PASS
Band48	10MHz	QPSK	55290	1RB#49	17.83	22.43	23	N/A	PASS
Band48	10MHz	QPSK	55990	1RB#0	17.42	22.02	23	N/A	PASS
Band48	10MHz	QPSK	55990	1RB#24	17.42	22.02	23	N/A	PASS
Band48	10MHz	QPSK	55990	1RB#49	17.35	21.95	23	N/A	PASS
Band48	10MHz	QPSK	56690	1RB#0	17.03	21.63	23	N/A	PASS
Band48	10MHz	QPSK	56690	1RB#24	16.95	21.55	23	N/A	PASS
Band48	10MHz	QPSK	56690	1RB#49	16.91	21.51	23	N/A	PASS
Band48	15MHz	QPSK	55315	1RB#0	17.88	22.48	23	N/A	PASS
Band48	15MHz	QPSK	55315	1RB#38	17.93	22.53	23	N/A	PASS
Band48	15MHz	QPSK	55315	1RB#74	17.82	22.42	23	N/A	PASS
Band48	15MHz	QPSK	55990	1RB#0	17.36	21.96	23	N/A	PASS
Band48	15MHz	QPSK	55990	1RB#38	17.52	22.12	23	N/A	PASS
Band48	15MHz	QPSK	55990	1RB#74	17.36	21.96	23	N/A	PASS
Band48	15MHz	QPSK	56665	1RB#0	17.16	21.76	23	N/A	PASS
Band48	15MHz	QPSK	56665	1RB#38	16.97	21.57	23	N/A	PASS
Band48	15MHz	QPSK	56665	1RB#74	16.93	21.53	23	N/A	PASS
Band48	20MHz	QPSK	55340	1RB#0	17.89	22.49	23	N/A	PASS
Band48	20MHz	QPSK	55340	1RB#49	17.96	22.56	23	N/A	PASS
Band48	20MHz	QPSK	55340	1RB#99	17.89	22.49	23	N/A	PASS
Band48	20MHz	QPSK	55990	1RB#0	17.37	21.97	23	N/A	PASS
Band48	20MHz	QPSK	55990	1RB#49	17.42	22.02	23	N/A	PASS
Band48	20MHz	QPSK	55990	1RB#99	17.36	21.96	23	N/A	PASS
Band48	20MHz	QPSK	56640	1RB#0	17.32	21.92	23	N/A	PASS
Band48	20MHz	QPSK	56640	1RB#49	17.05	21.65	23	N/A	PASS
Band48	20MHz	QPSK	56640	1RB#99	17.04	21.64	23	N/A	PASS

Adjacent Channel Leakage Ratio

Test Result

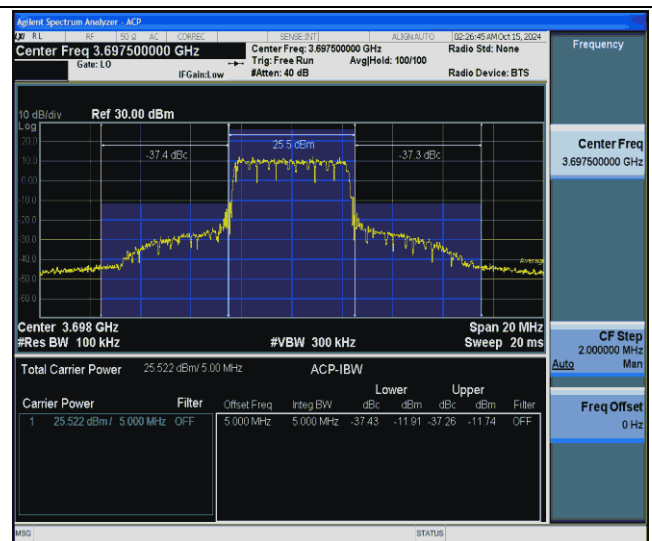
Band	Bandwidth	Modulation	Channel	RB Configuration	ACLR_Lower (dBm)	ACLR_Upper (dBm)	ACLR_Limit (dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	37.07	48.85	≥30	PASS
Band48	5MHz	QPSK	55265	25RB#0	38.26	38.47	≥30	PASS
Band48	5MHz	QPSK	55265	1RB#24	50.04	37.5	≥30	PASS
Band48	5MHz	QPSK	55990	1RB#0	37.43	49.6	≥30	PASS
Band48	5MHz	QPSK	55990	25RB#0	38.46	37.72	≥30	PASS
Band48	5MHz	QPSK	55990	1RB#24	50.88	37.82	≥30	PASS
Band48	5MHz	QPSK	56715	1RB#0	37.74	50.23	≥30	PASS
Band48	5MHz	QPSK	56715	25RB#0	37.43	37.26	≥30	PASS
Band48	5MHz	QPSK	56715	1RB#24	51.03	38.27	≥30	PASS
Band48	10MHz	QPSK	55290	1RB#0	38.5	49.28	≥30	PASS
Band48	10MHz	QPSK	55290	50RB#0	38.58	38.76	≥30	PASS
Band48	10MHz	QPSK	55290	1RB#49	49.3	37.32	≥30	PASS
Band48	10MHz	QPSK	55990	1RB#0	39.01	50.46	≥30	PASS
Band48	10MHz	QPSK	55990	50RB#0	38.83	38.74	≥30	PASS
Band48	10MHz	QPSK	55990	1RB#49	50.35	37.78	≥30	PASS
Band48	10MHz	QPSK	56690	1RB#0	39.17	50.71	≥30	PASS
Band48	10MHz	QPSK	56690	50RB#0	37.86	38.05	≥30	PASS
Band48	10MHz	QPSK	56690	1RB#49	50.17	38.25	≥30	PASS
Band48	15MHz	QPSK	55315	1RB#0	38.85	49.01	≥30	PASS
Band48	15MHz	QPSK	55315	75RB#0	40.24	39.71	≥30	PASS
Band48	15MHz	QPSK	55315	1RB#74	48.63	37.57	≥30	PASS
Band48	15MHz	QPSK	55990	1RB#0	39.19	50.11	≥30	PASS
Band48	15MHz	QPSK	55990	75RB#0	39.35	39.2	≥30	PASS
Band48	15MHz	QPSK	55990	1RB#74	49.39	38.05	≥30	PASS
Band48	15MHz	QPSK	56665	1RB#0	39.29	50.1	≥30	PASS
Band48	15MHz	QPSK	56665	75RB#0	38.32	38.99	≥30	PASS
Band48	15MHz	QPSK	56665	1RB#74	48.86	38.21	≥30	PASS
Band48	20MHz	QPSK	55340	1RB#0	37.96	47.01	≥30	PASS
Band48	20MHz	QPSK	55340	100RB#0	40.84	40.27	≥30	PASS
Band48	20MHz	QPSK	55340	1RB#99	46.93	37.18	≥30	PASS
Band48	20MHz	QPSK	55990	1RB#0	38	48.33	≥30	PASS
Band48	20MHz	QPSK	55990	100RB#0	39.56	40.05	≥30	PASS
Band48	20MHz	QPSK	55990	1RB#99	47.68	37.59	≥30	PASS
Band48	20MHz	QPSK	56640	1RB#0	38.69	48.71	≥30	PASS
Band48	20MHz	QPSK	56640	100RB#0	38.3	39.72	≥30	PASS
Band48	20MHz	QPSK	56640	1RB#99	47.74	37.82	≥30	PASS

Test Graphs

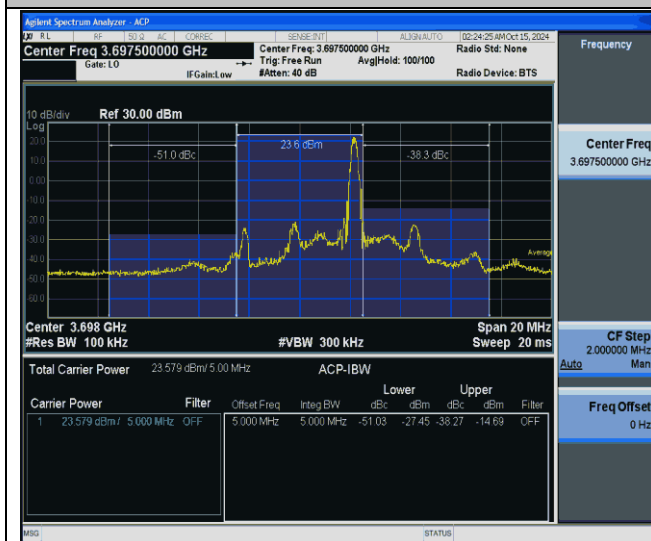




Band48-5MHz-QPSK-56715-1RB#0-PASS



Band48-5MHz-QPSK-56715-25RB#0-PASS



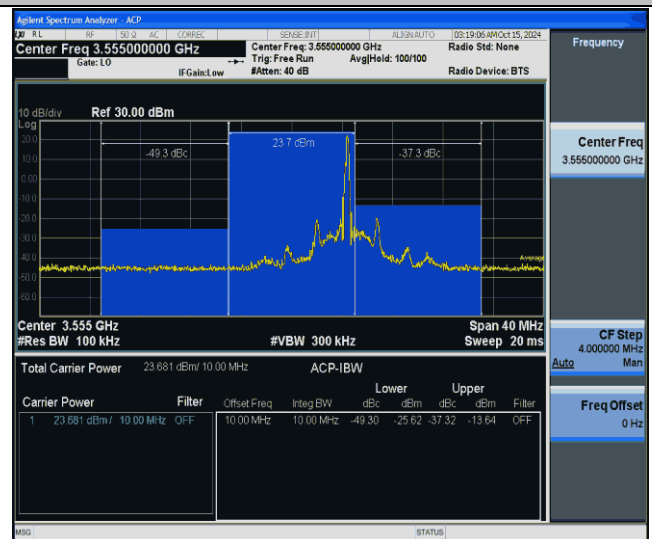
Band48-5MHz-QPSK-56715-1RB#24-PASS



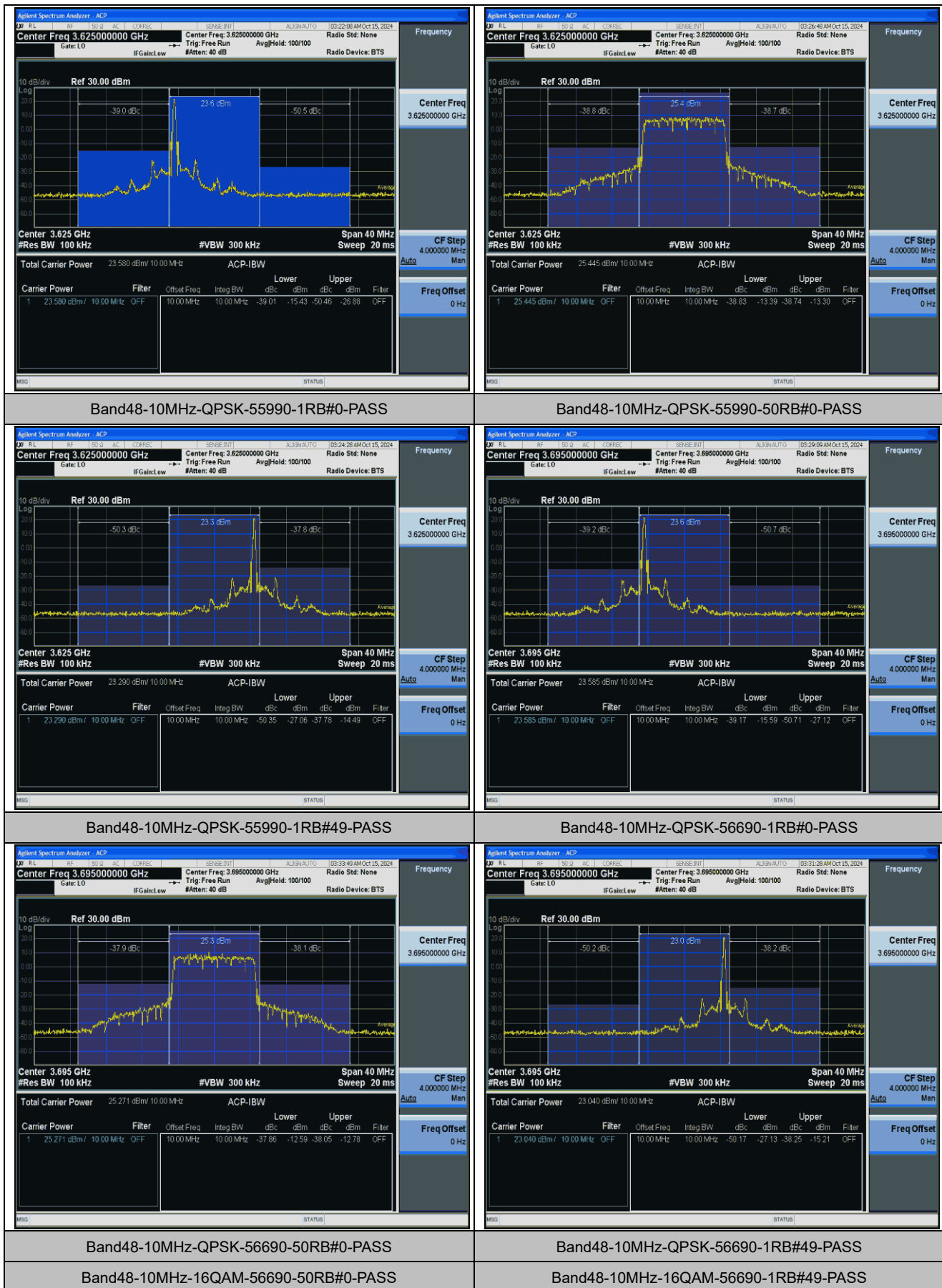
Band48-10MHz-QPSK-55290-1RB#0-PASS

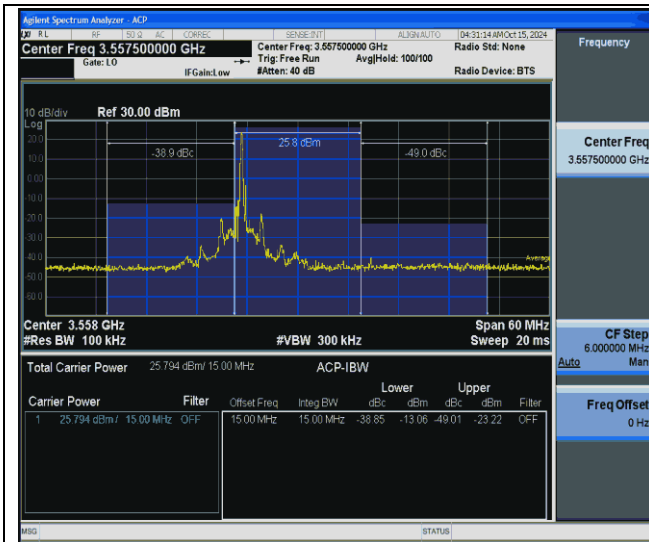


Band48-10MHz-QPSK-55290-50RB#0-PASS

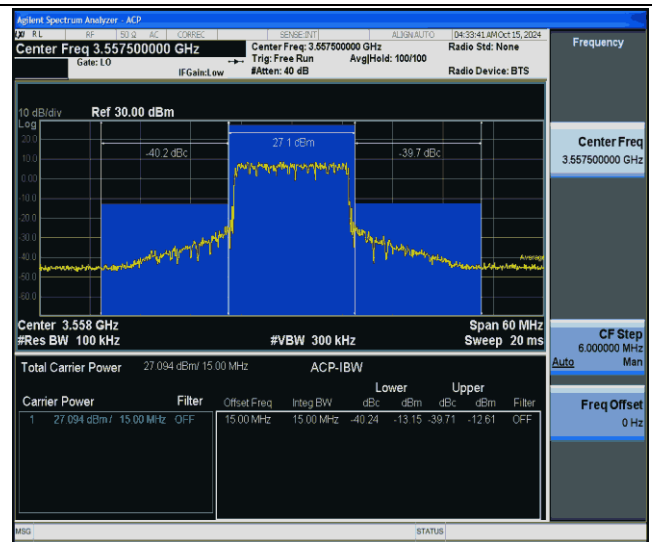


Band48-10MHz-QPSK-55290-1RB#49-PASS

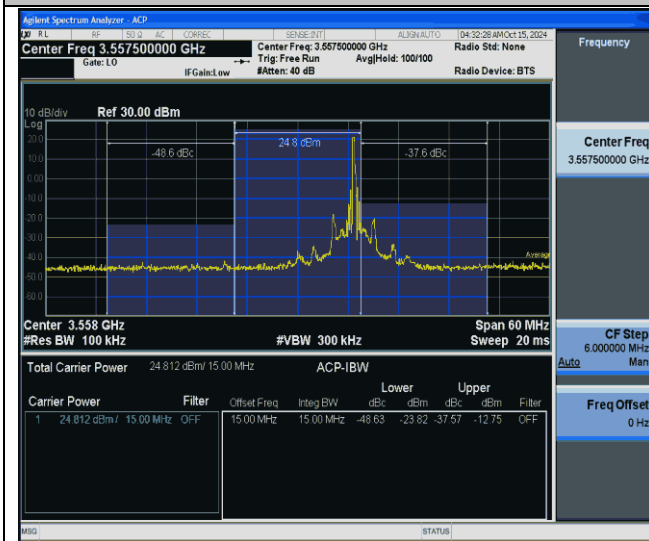




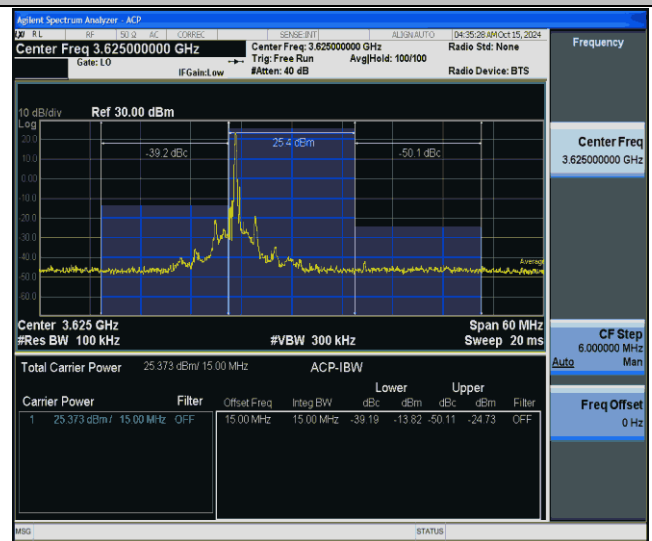
Band48-15MHz-QPSK-55315-1RB#0-PASS



Band48-15MHz-QPSK-55315-75RB#0-PASS



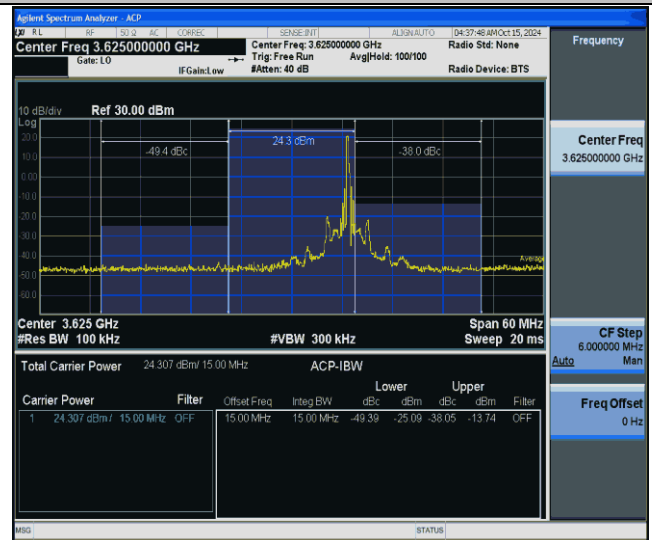
Band48-15MHz-QPSK-55315-1RB#74-PASS



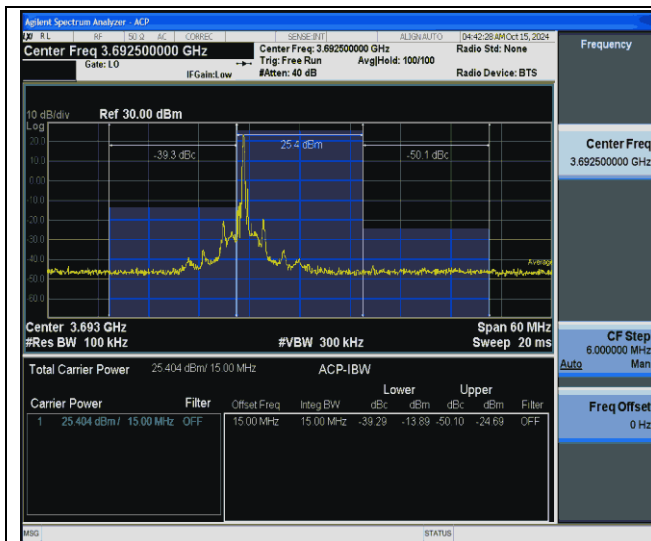
Band48-15MHz-QPSK-55990-1RB#0-PASS



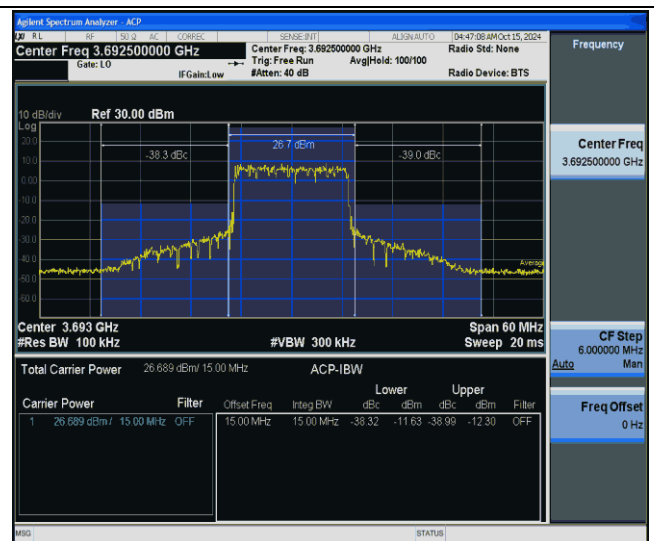
Band48-15MHz-QPSK-55990-75RB#0-PASS



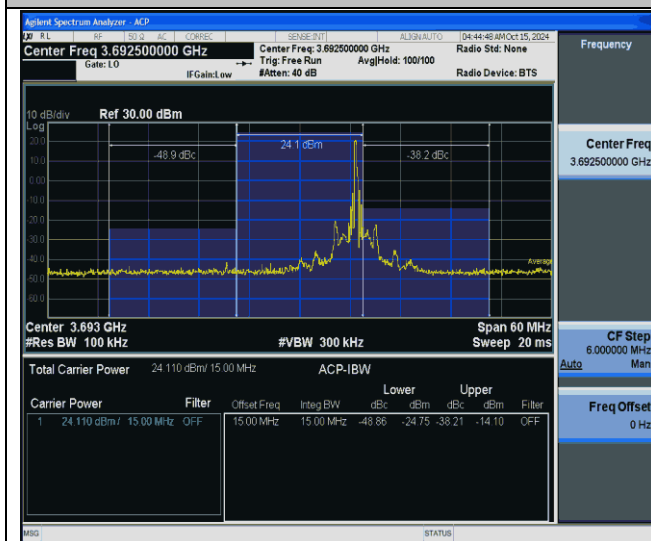
Band48-15MHz-QPSK-55990-1RB#74-PASS



Band48-15MHz-QPSK-56665-1RB#0-PASS



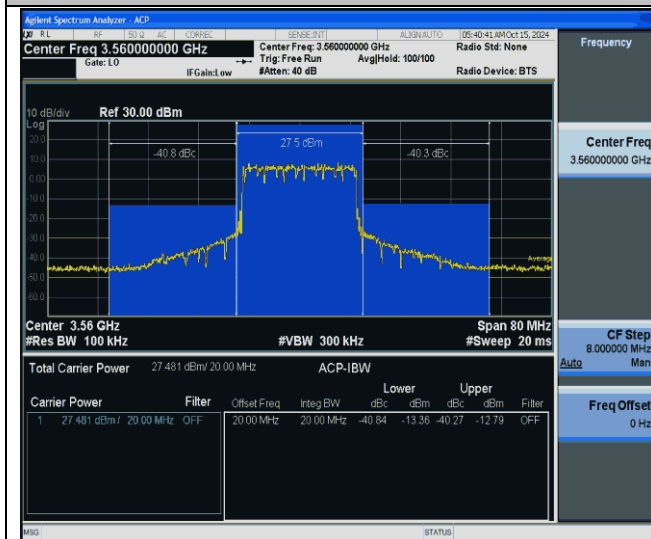
Band48-15MHz-QPSK-56665-75RB#0-PASS



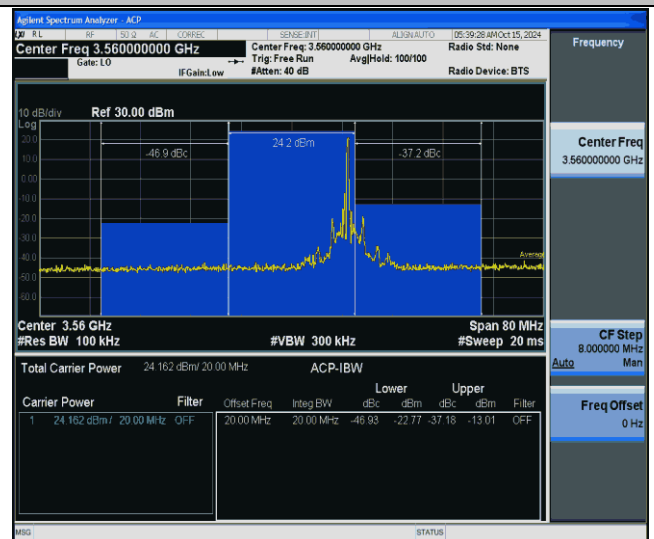
Band48-15MHz-QPSK-56665-1RB#74-PASS



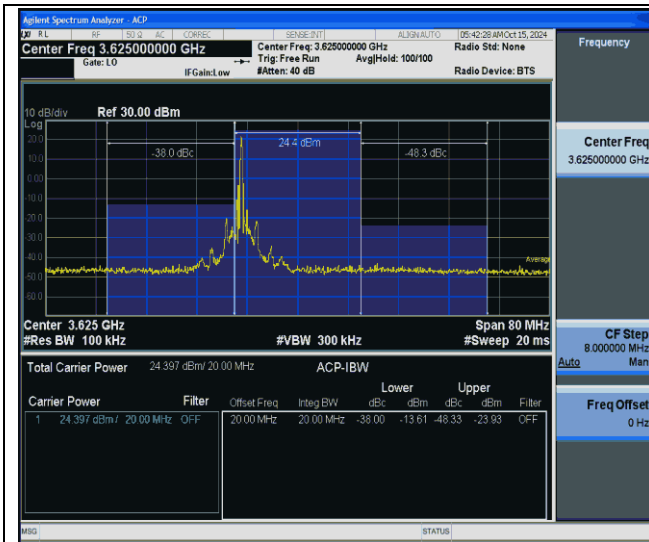
Band48-20MHz-QPSK-55340-1RB#0-PASS



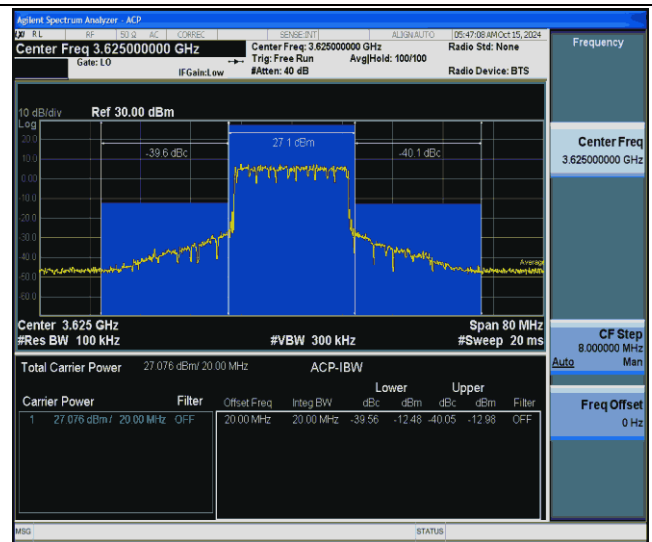
Band48-20MHz-QPSK-55340-100RB#0-PASS



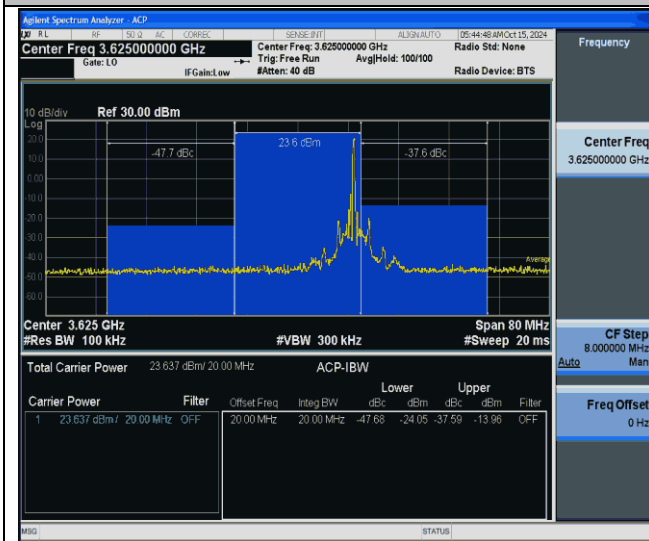
Band48-20MHz-QPSK-55340-1RB#99-PASS



Band48-20MHz-QPSK-55990-1RB#0-PASS



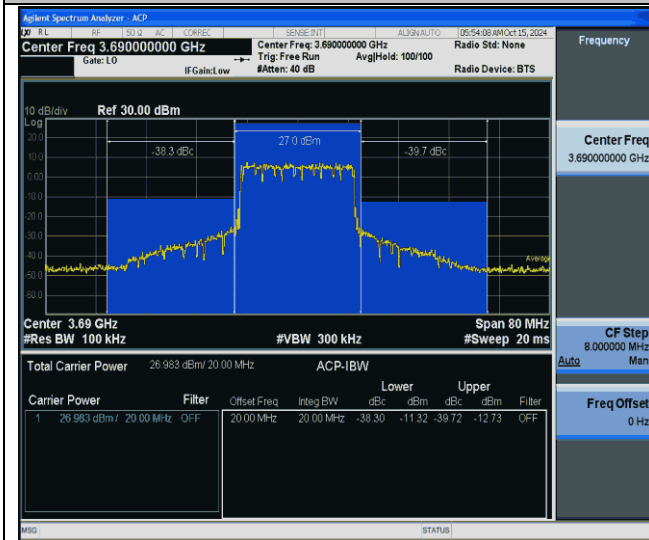
Band48-20MHz-QPSK-55990-100RB#0-PASS



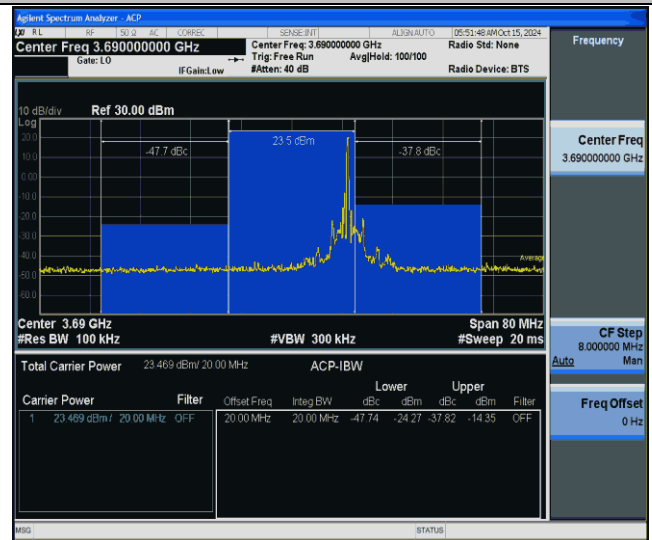
Band48-20MHz-QPSK-55990-1RB#99-PASS



Band48-20MHz-QPSK-56640-1RB#0-PASS



Band48-20MHz-QPSK-56640-100RB#0-PASS



Band48-20MHz-QPSK-56640-1RB#99-PASS

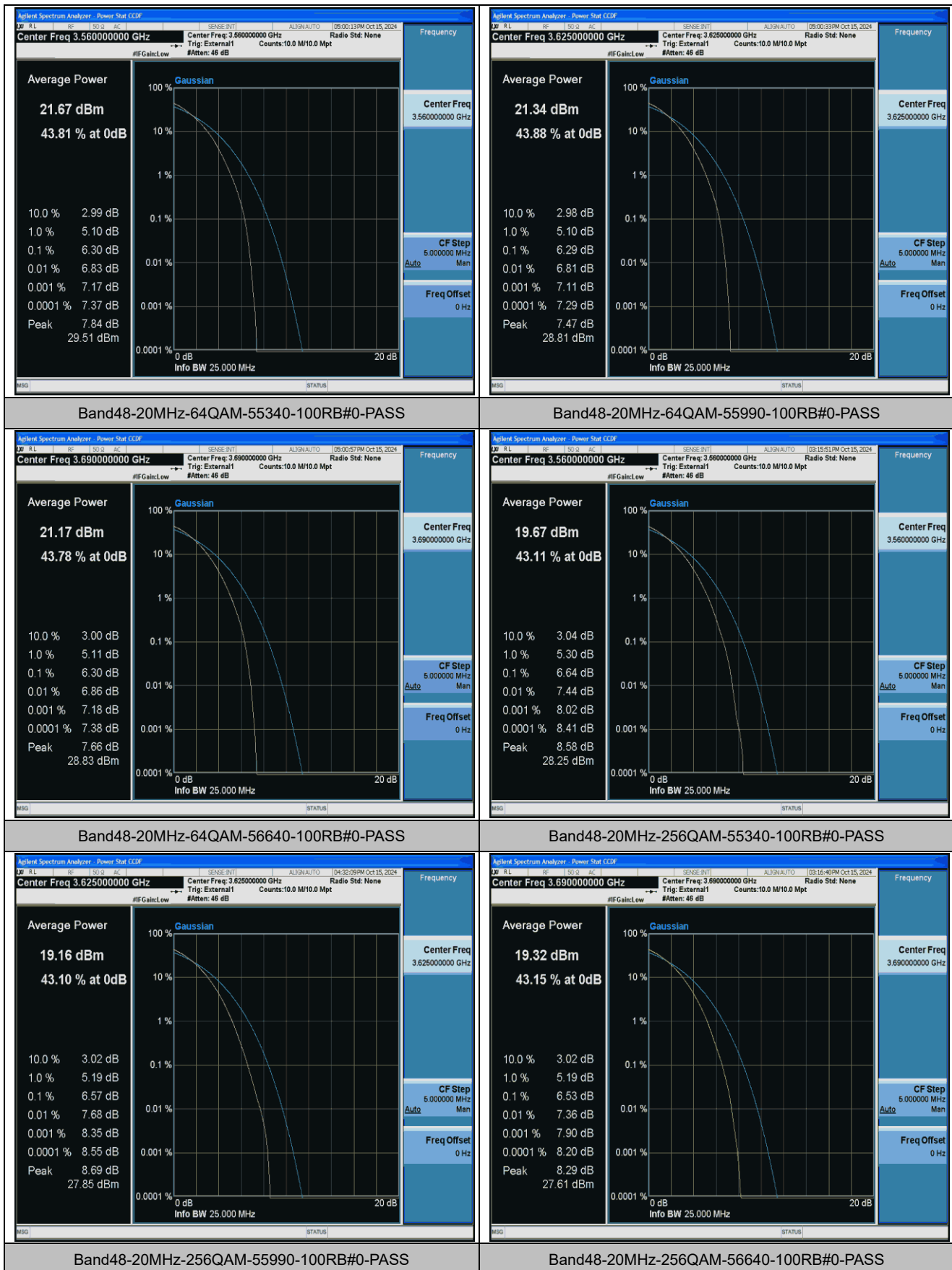
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	4.76	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	4.63	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	4.67	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	5.77	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	5.70	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	5.72	13	PASS
Band48	20MHz	64QAM	55340	100RB#0	6.30	13	PASS
Band48	20MHz	64QAM	55990	100RB#0	6.29	13	PASS
Band48	20MHz	64QAM	56640	100RB#0	6.30	13	PASS
Band48	20MHz	256QAM	55340	100RB#0	6.64	13	PASS
Band48	20MHz	256QAM	55990	100RB#0	6.57	13	PASS
Band48	20MHz	256QAM	56640	100RB#0	6.53	13	PASS

Test Graphs





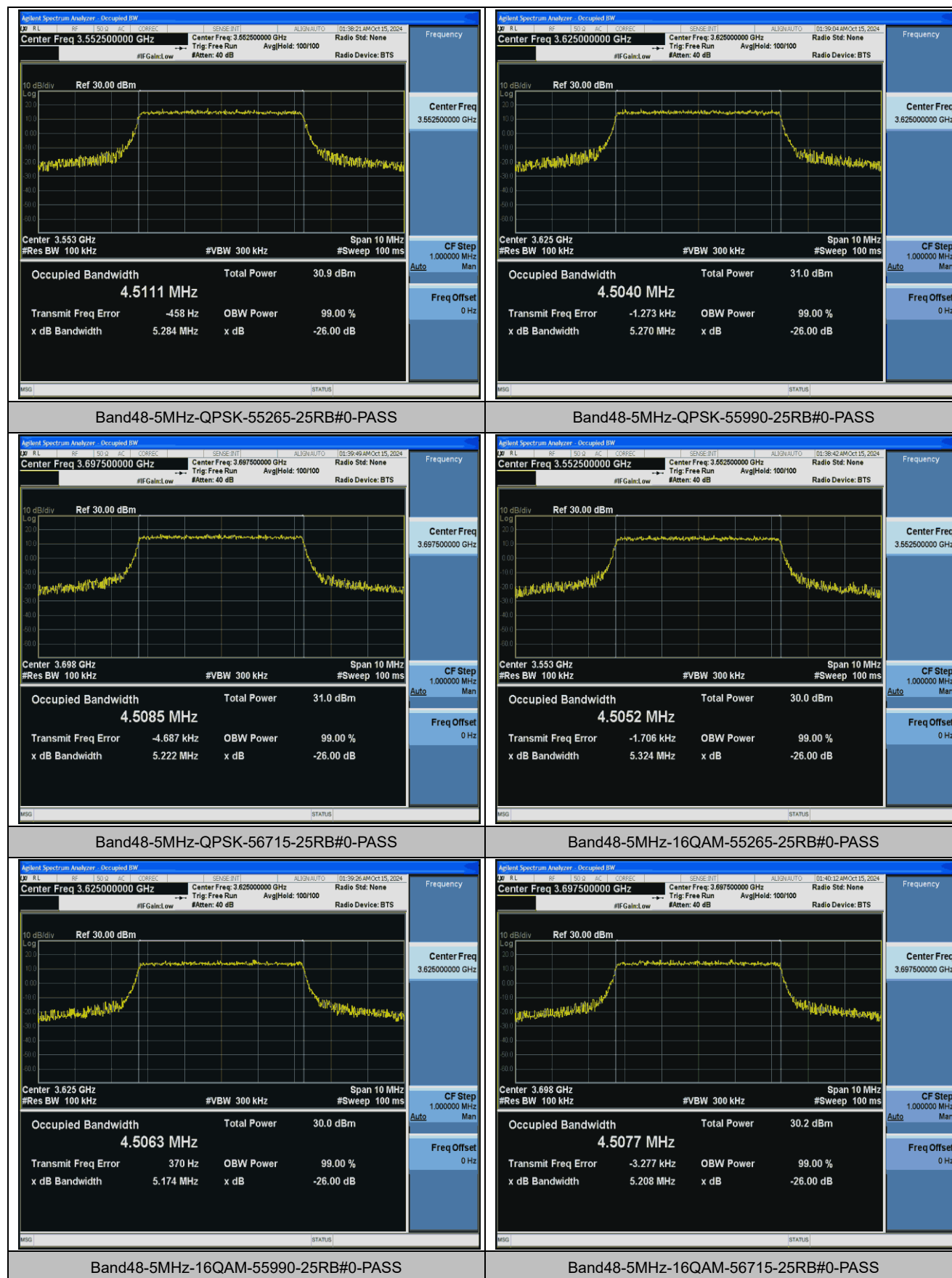
26dB Bandwidth and Occupied Bandwidth

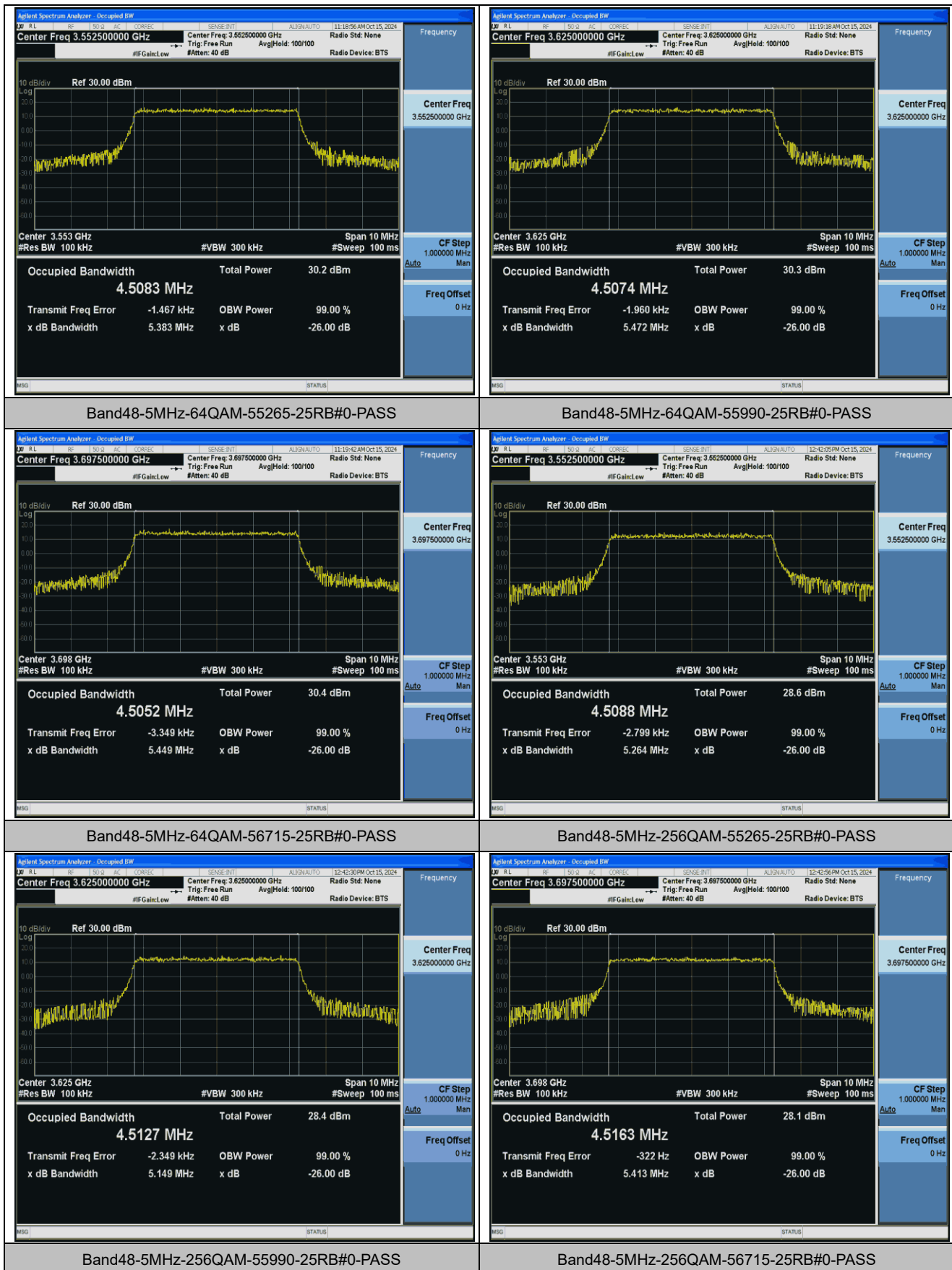
Test Result

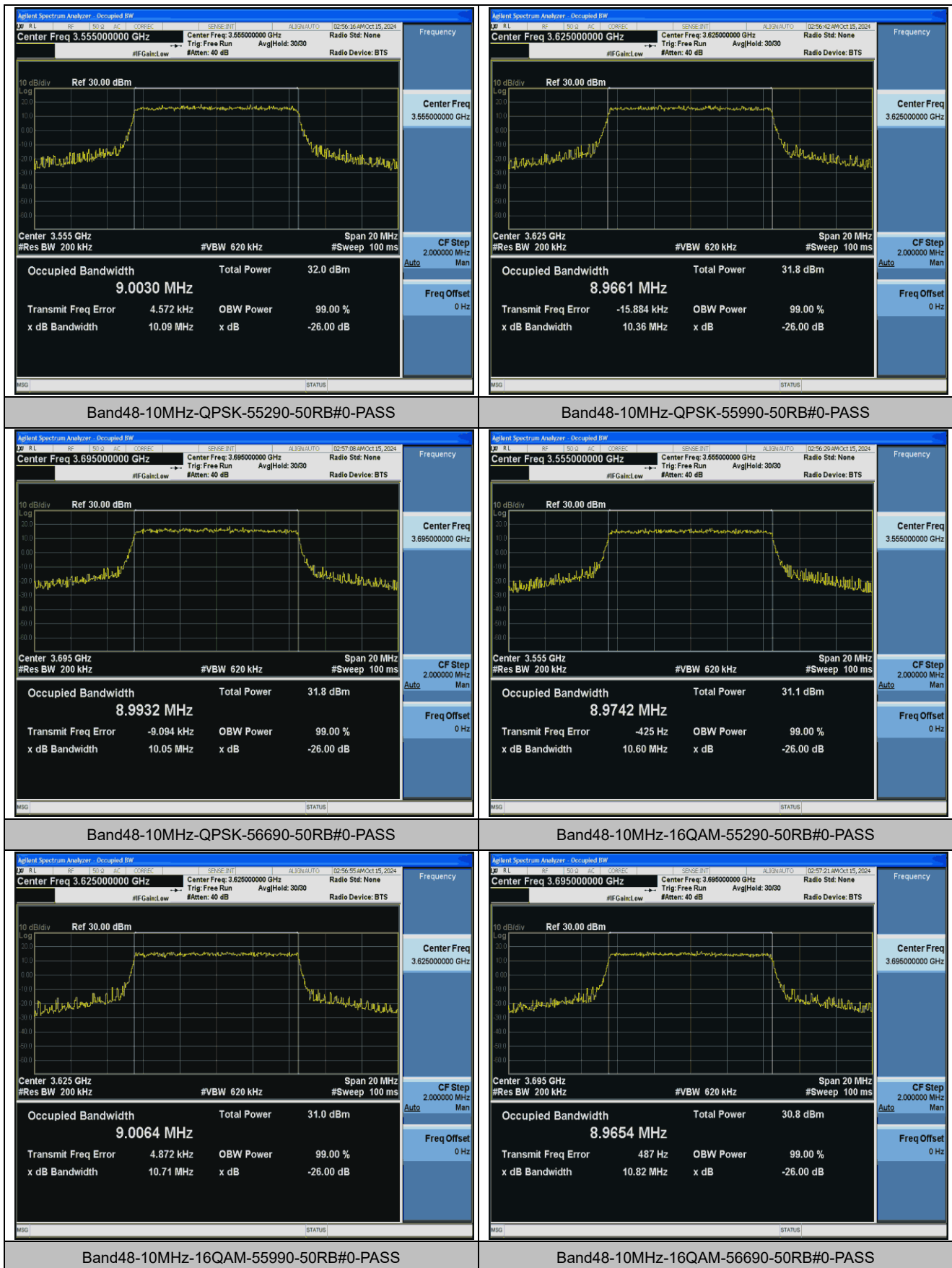
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band48	5MHz	QPSK	55265	25RB#0	4.5111	5.284	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.5040	5.270	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.5085	5.222	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.5052	5.324	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.5063	5.174	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.5077	5.208	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.5083	5.383	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.5074	5.472	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.5052	5.449	PASS
Band48	5MHz	256QAM	55265	25RB#0	4.5088	5.264	PASS
Band48	5MHz	256QAM	55990	25RB#0	4.5127	5.149	PASS
Band48	5MHz	256QAM	56715	25RB#0	4.5163	5.413	PASS
Band48	10MHz	QPSK	55290	50RB#0	9.0030	10.09	PASS
Band48	10MHz	QPSK	55990	50RB#0	8.9661	10.36	PASS
Band48	10MHz	QPSK	56690	50RB#0	8.9932	10.05	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.9742	10.60	PASS
Band48	10MHz	16QAM	55990	50RB#0	9.0064	10.71	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.9654	10.82	PASS
Band48	10MHz	64QAM	55290	50RB#0	9.0049	10.71	PASS
Band48	10MHz	64QAM	55990	50RB#0	8.9991	10.68	PASS
Band48	10MHz	64QAM	56690	50RB#0	9.0091	10.64	PASS
Band48	10MHz	256QAM	55290	50RB#0	8.9969	10.10	PASS
Band48	10MHz	256QAM	55990	50RB#0	8.9927	10.35	PASS
Band48	10MHz	256QAM	56690	50RB#0	9.0017	10.41	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.488	14.99	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.489	14.75	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.489	14.92	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.456	15.34	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.537	14.91	PASS
Band48	15MHz	16QAM	56665	75RB#0	13.496	15.36	PASS
Band48	15MHz	64QAM	55315	75RB#0	13.502	15.02	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.452	15.15	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.509	15.52	PASS
Band48	15MHz	256QAM	55315	75RB#0	13.509	15.25	PASS
Band48	15MHz	256QAM	55990	75RB#0	13.494	15.10	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.516	15.45	PASS
Band48	20MHz	QPSK	55340	100RB#0	17.984	20.06	PASS

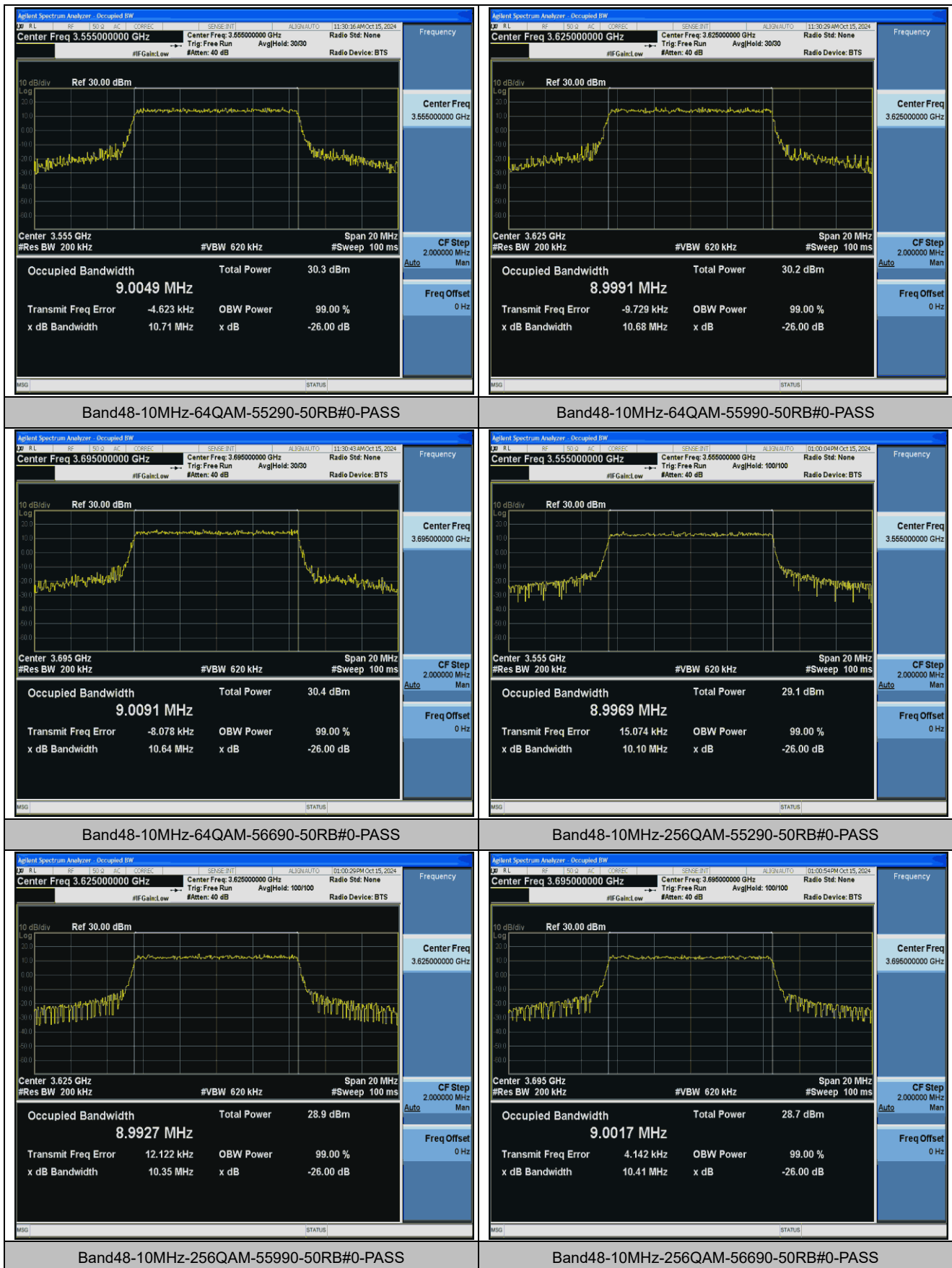
Band48	20MHz	QPSK	55990	100RB#0	17.941	19.84	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.061	20.44	PASS
Band48	20MHz	16QAM	55340	100RB#0	17.952	19.63	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.957	19.95	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.988	19.92	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.974	20.76	PASS
Band48	20MHz	64QAM	55990	100RB#0	18.020	19.91	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.909	20.59	PASS
Band48	20MHz	256QAM	55340	100RB#0	17.970	19.98	PASS
Band48	20MHz	256QAM	55990	100RB#0	17.996	19.96	PASS
Band48	20MHz	256QAM	56640	100RB#0	17.989	19.93	PASS

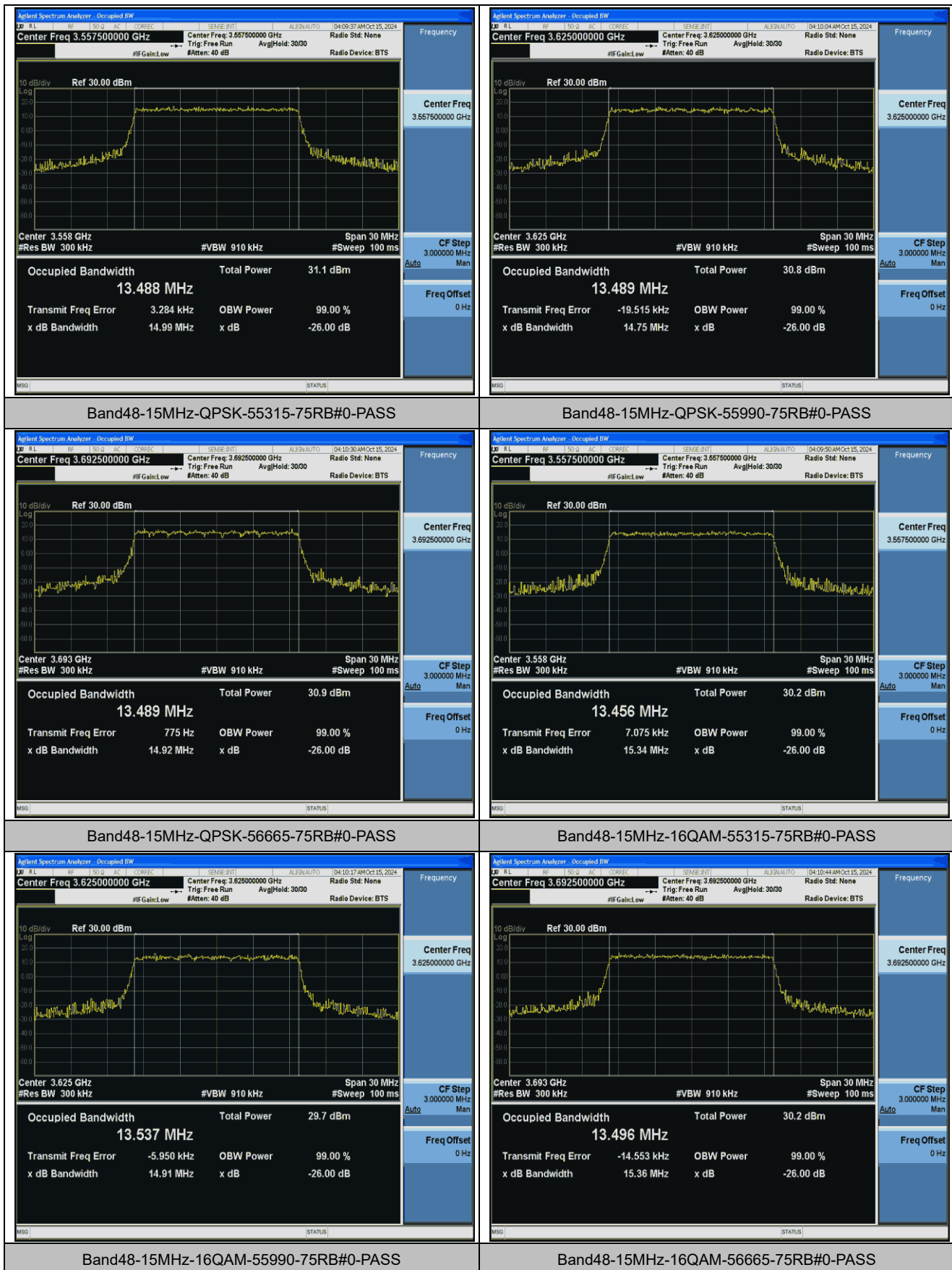
Test Graphs

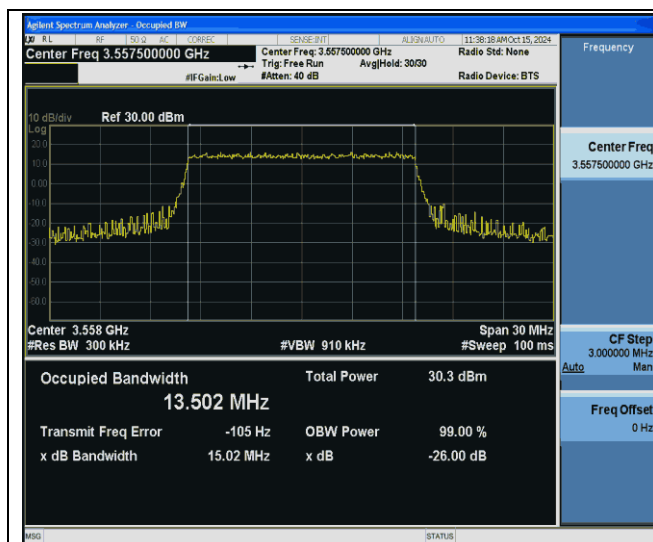




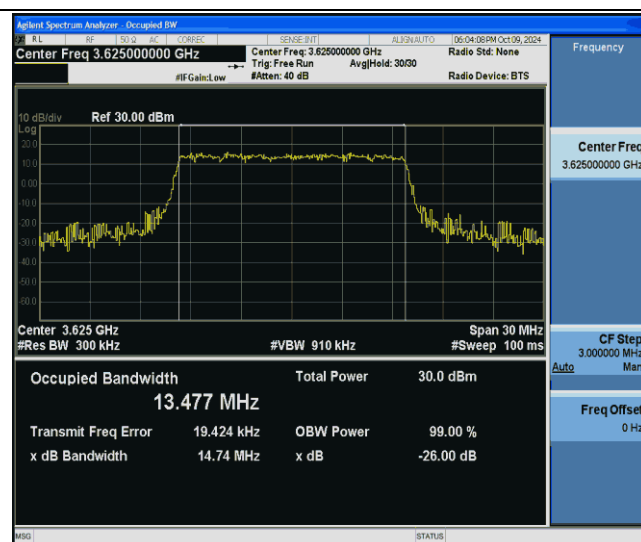




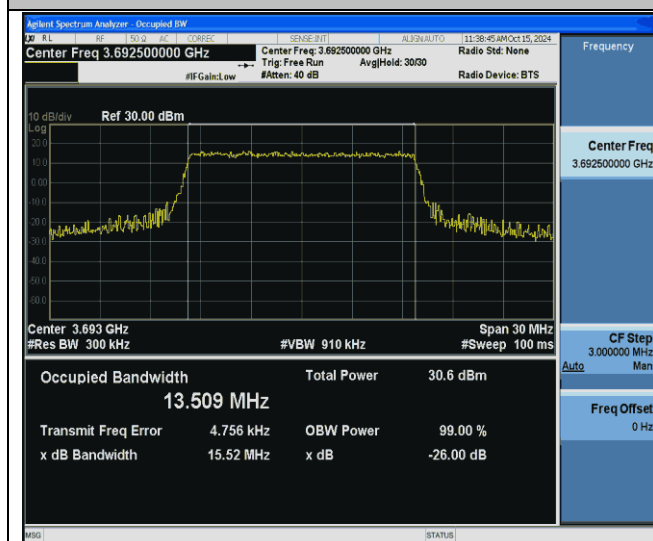




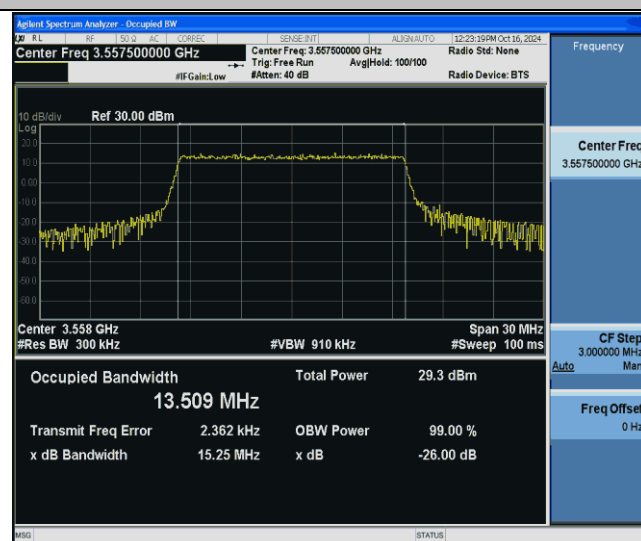
Band48-15MHz-64QAM-55315-75RB#0-PASS



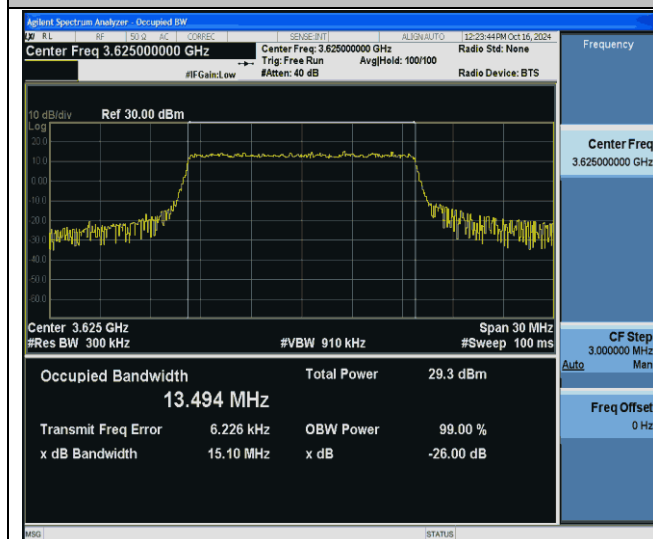
Band48-15MHz-64QAM-55990-75RB#0-PASS



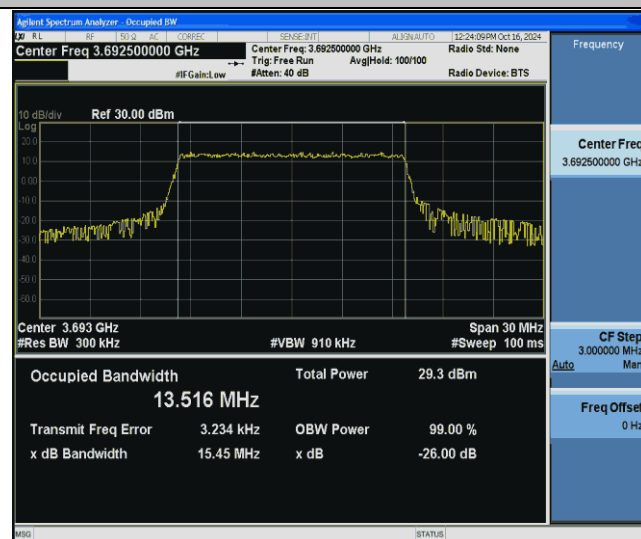
Band48-15MHz-64QAM-56665-75RB#0-PASS



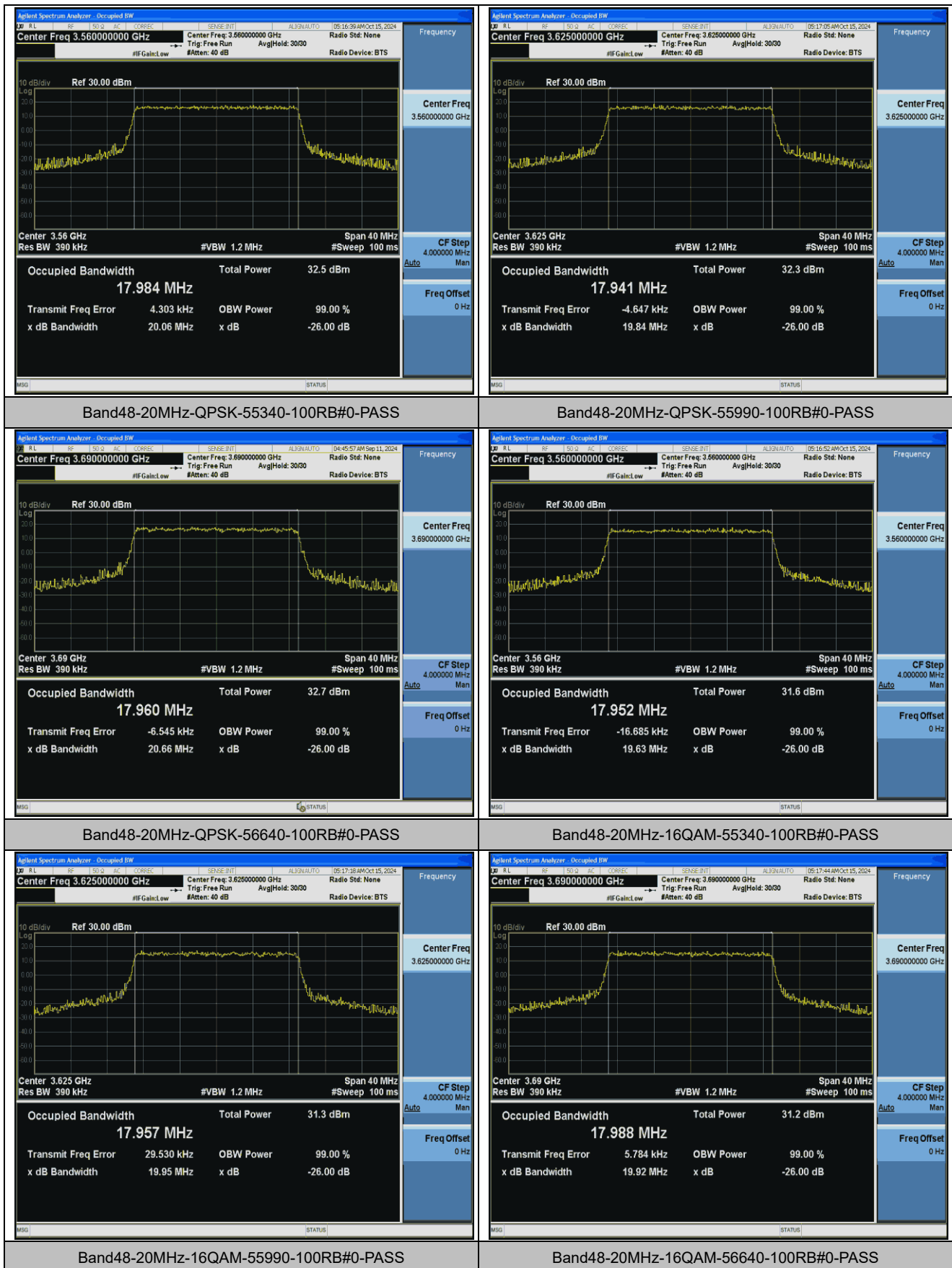
Band48-15MHz-256QAM-55315-75RB#0-PASS

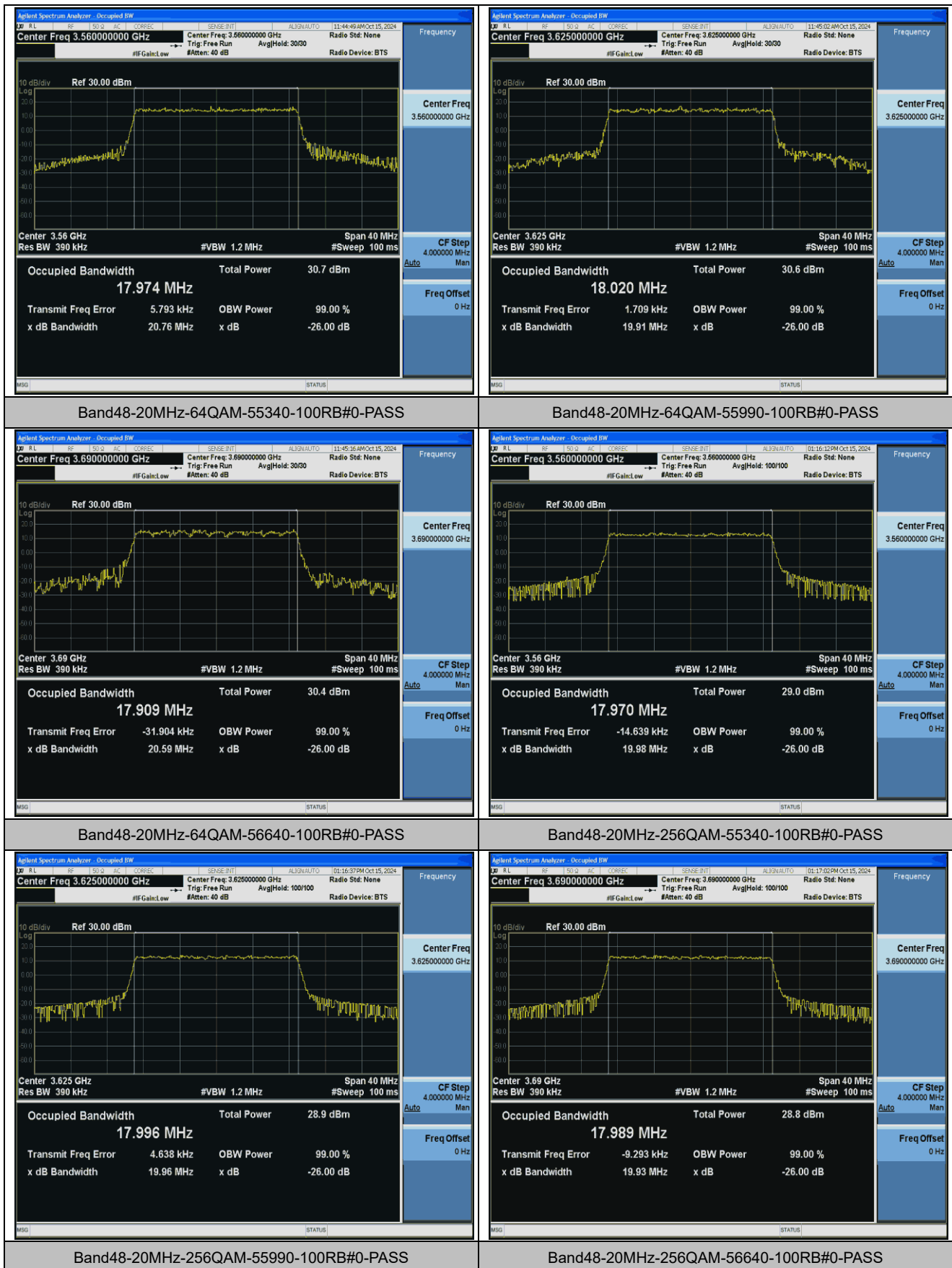


Band48-15MHz-256QAM-55990-75RB#0-PASS



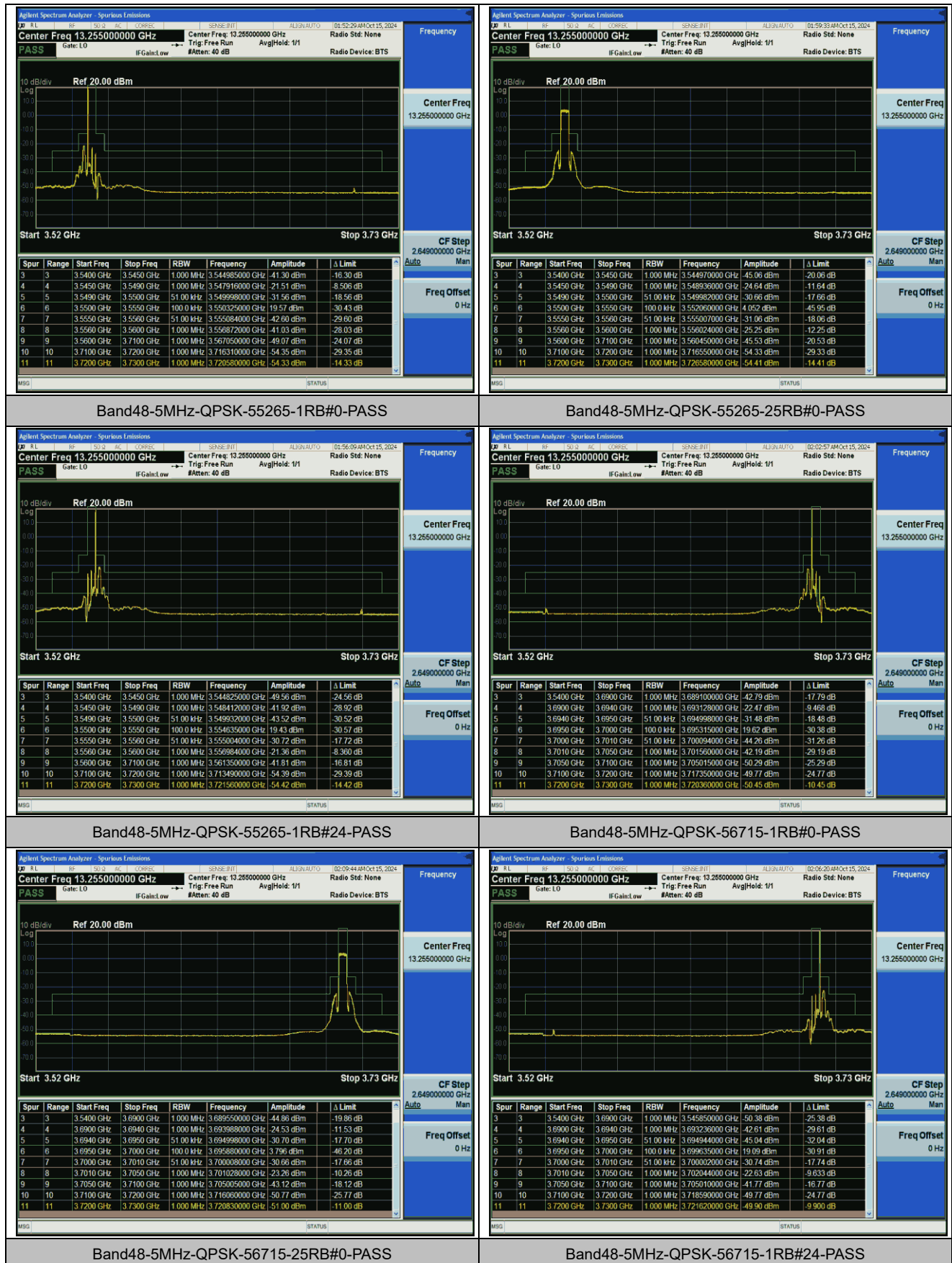
Band48-15MHz-256QAM-56665-75RB#0-PASS

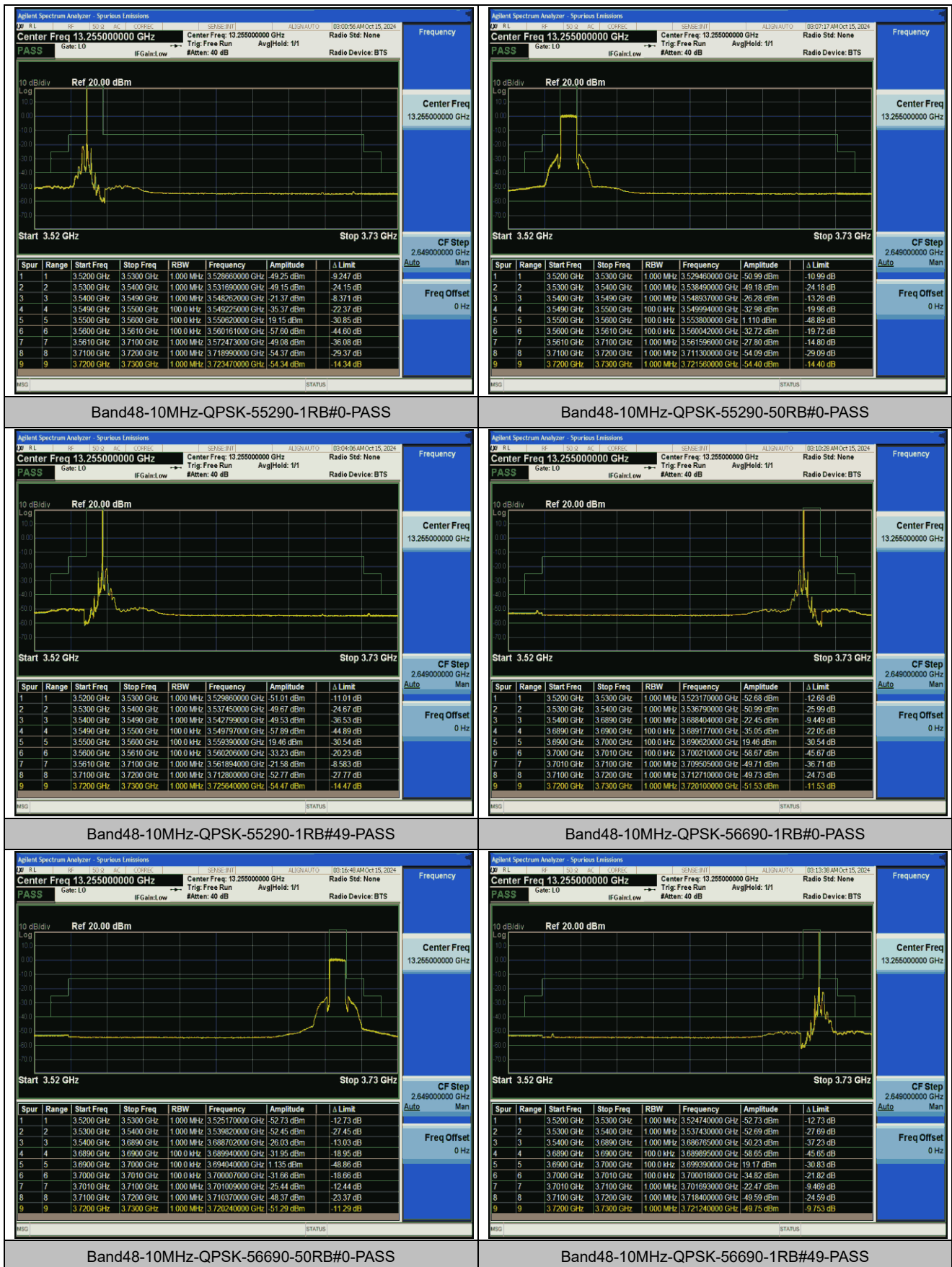


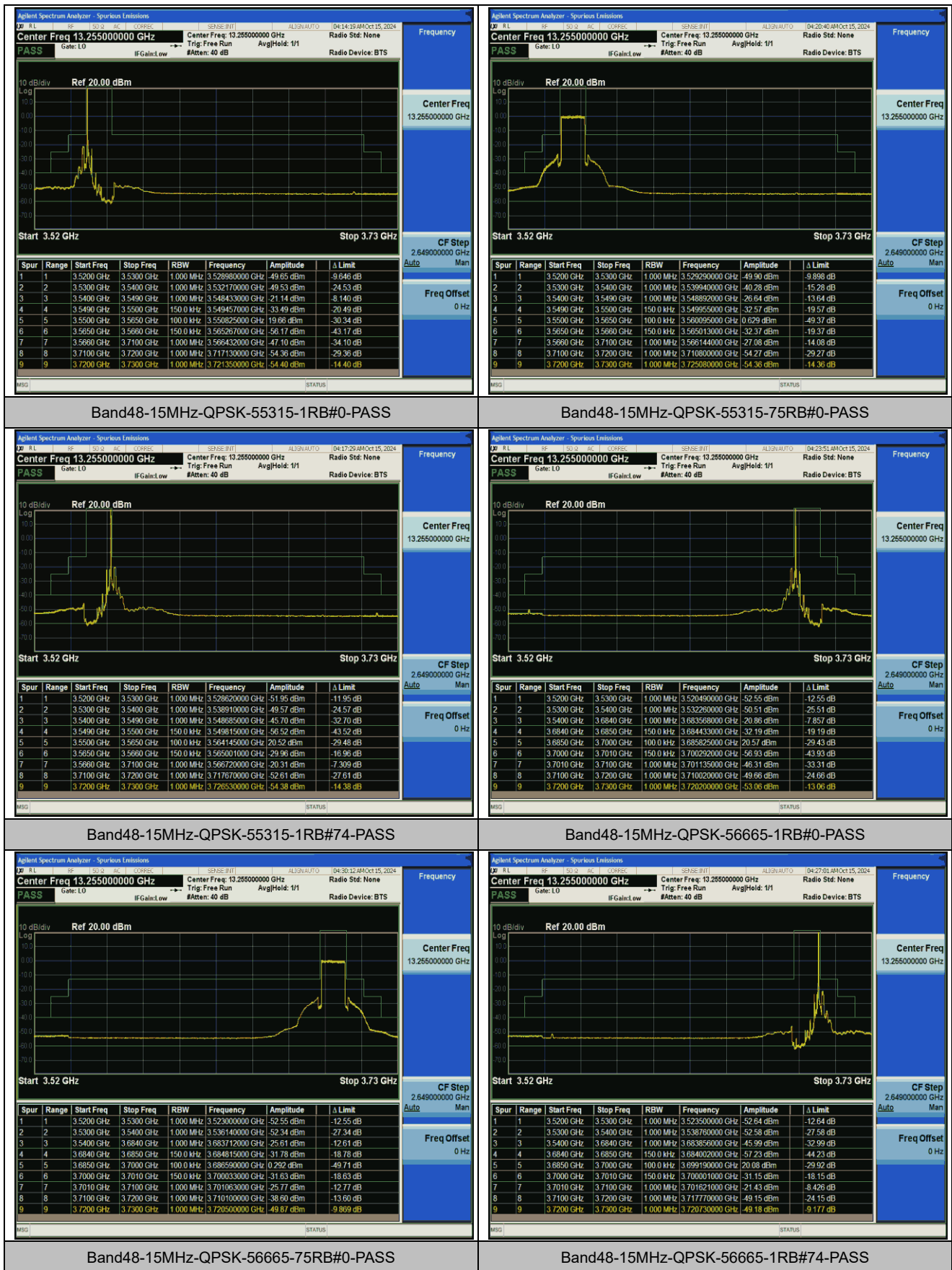


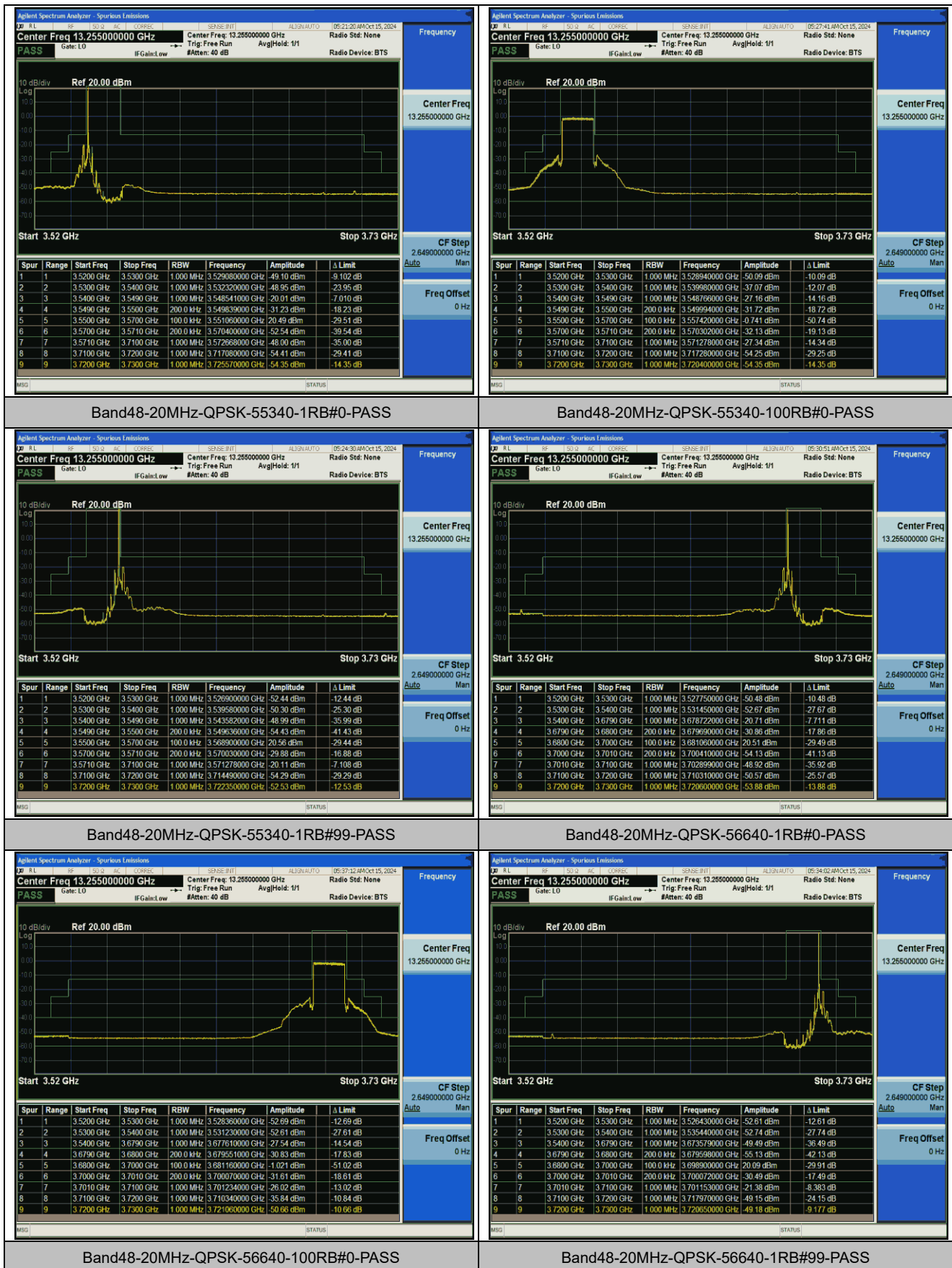
Band Edge

Test Graphs



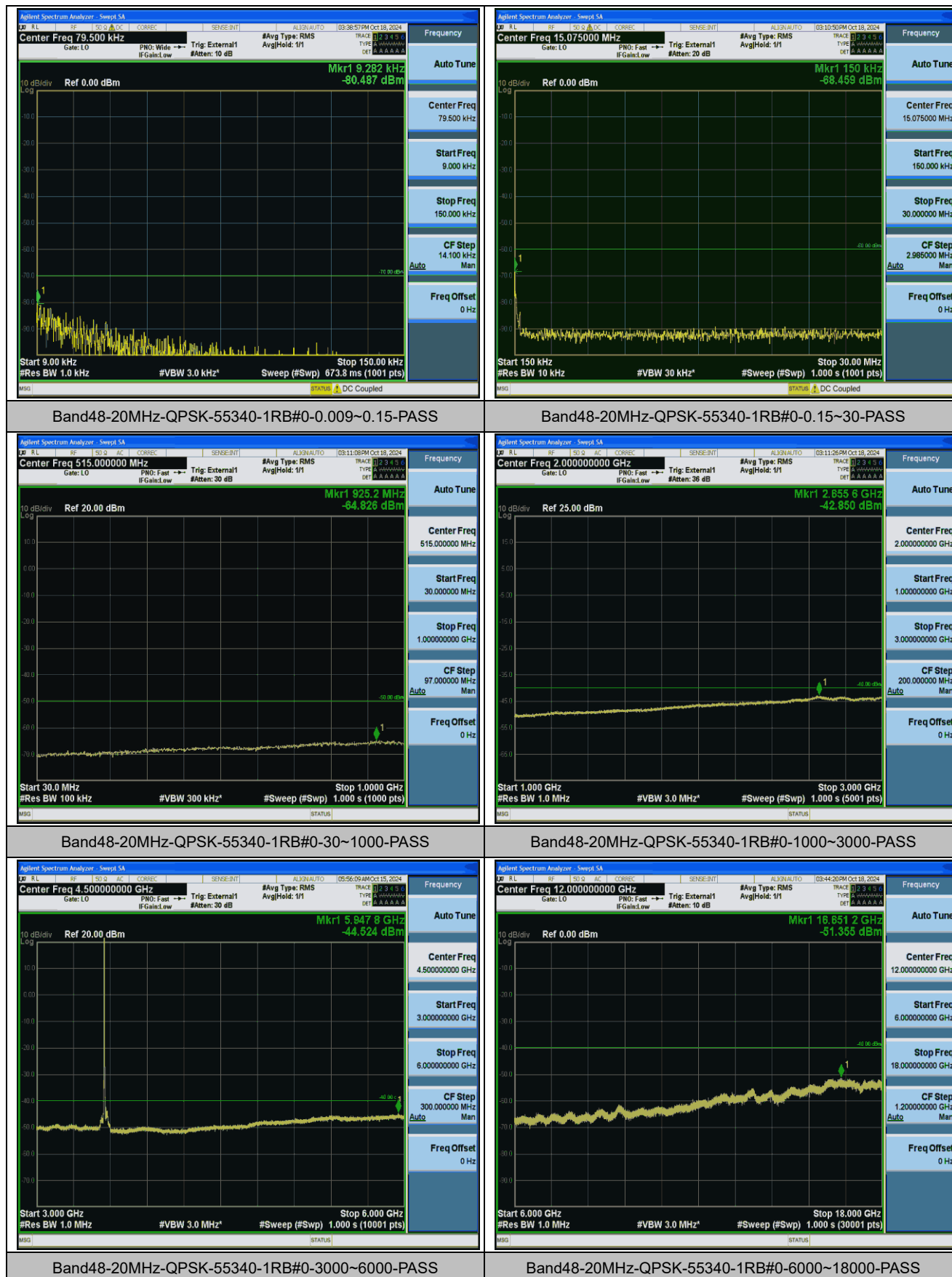


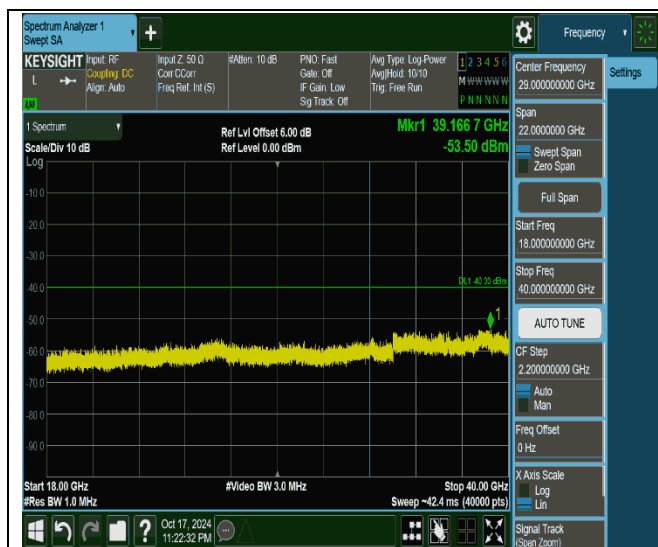




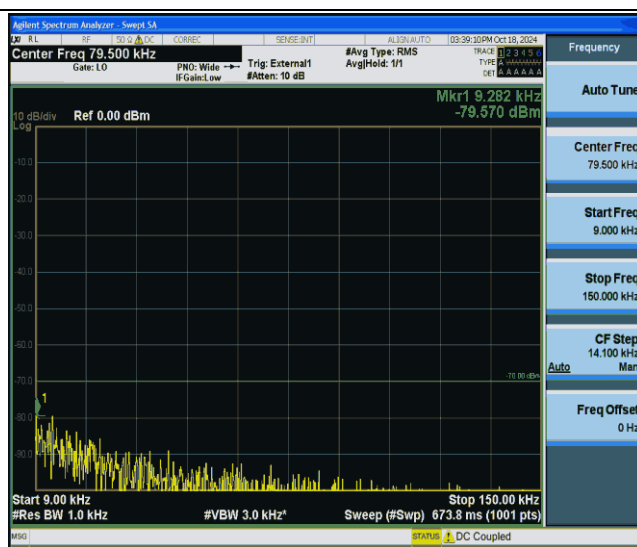
Conducted Spurious Emission

Test Graphs

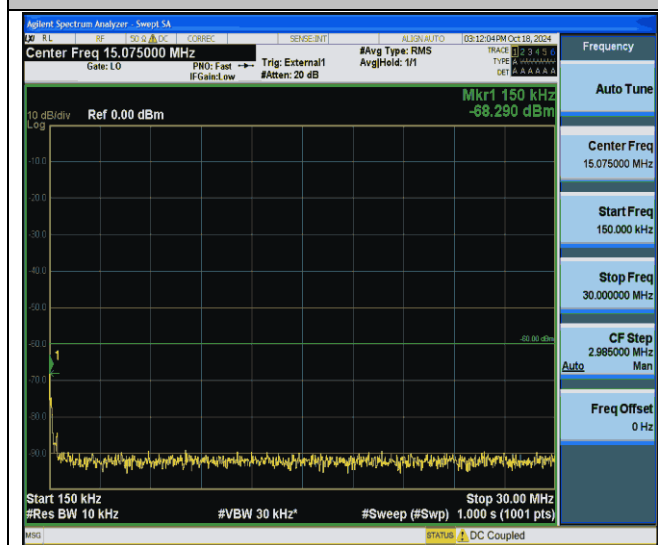




Band48-20MHz-QPSK-55340-1RB#0-18000~40000-PASS



Band48-20MHz-QPSK-55990-1RB#0-0.009~0.15-PASS



Band48-20MHz-QPSK-55990-1RB#0-0.15~30-PASS



Band48-20MHz-QPSK-55990-1RB#0-30~1000-PASS



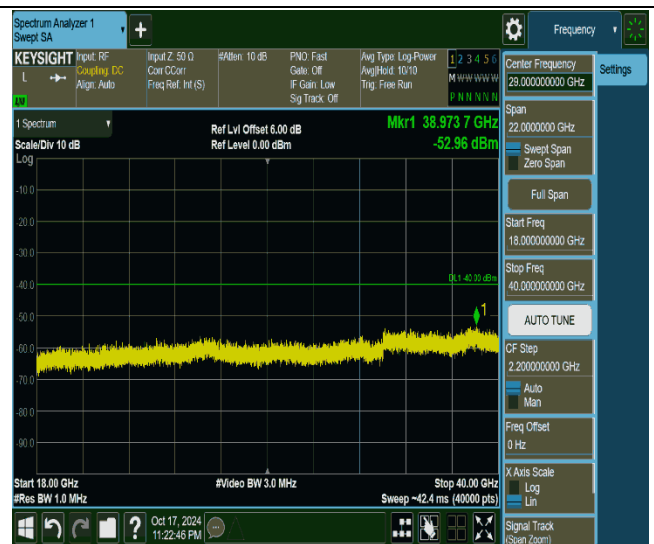
Band48-20MHz-QPSK-55990-1RB#0-1000~3000-PASS



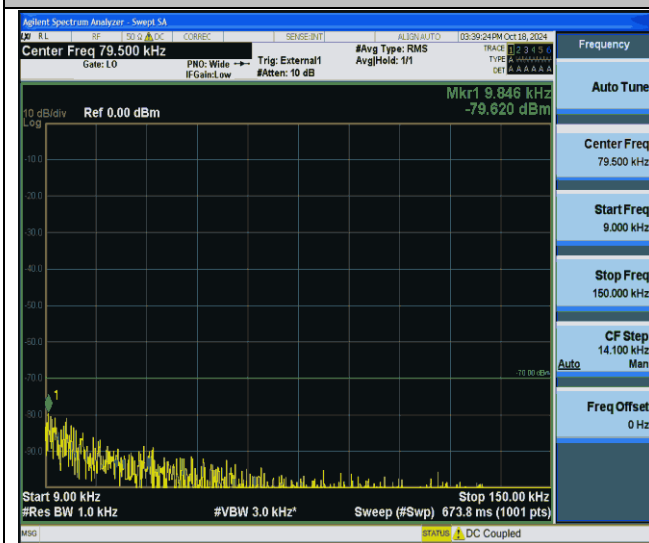
Band48-20MHz-QPSK-55990-1RB#0-3000~6000-PASS



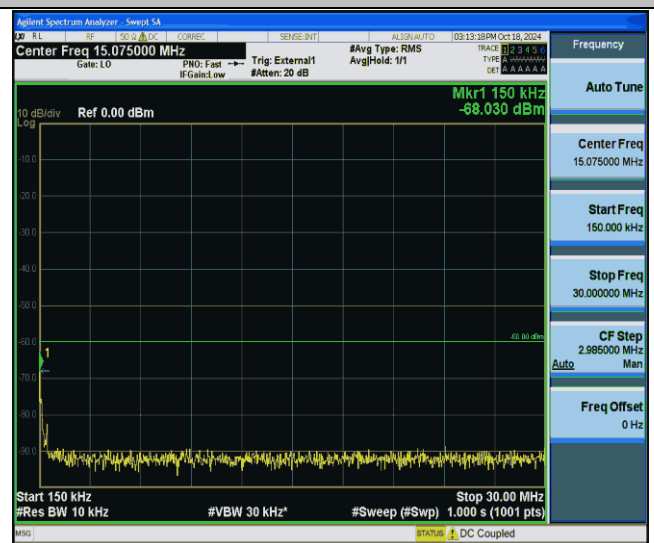
Band48-20MHz-QPSK-55990-1RB#0-6000~18000-PASS



Band48-20MHz-QPSK-55990-1RB#0-18000~40000-PASS



Band48-20MHz-QPSK-56640-1RB#0-0.009~0.15-PASS



Band48-20MHz-QPSK-56640-1RB#0-0.15~30-PASS



Band48-20MHz-QPSK-56640-1RB#0-30~1000-PASS



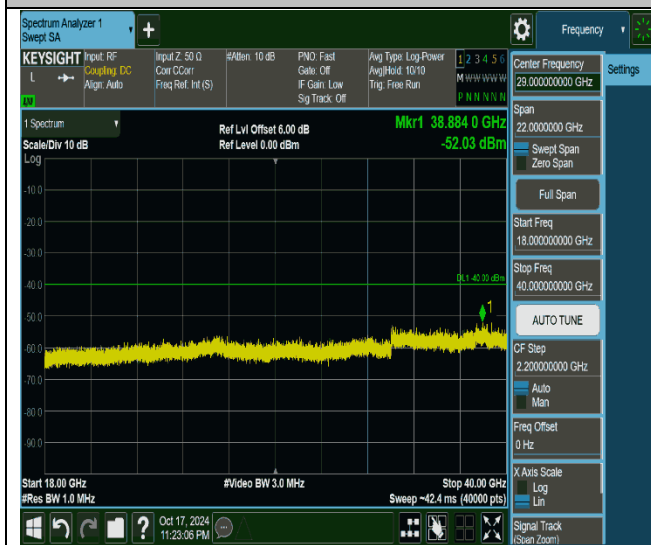
Band48-20MHz-QPSK-56640-1RB#0-1000~3000-PASS



Band48-20MHz-QPSK-56640-1RB#0-3000~6000-PASS



Band48-20MHz-QPSK-56640-1RB#0-6000~18000-PASS



Band48-20MHz-QPSK-56640-1RB#0-18000~40000-PASS

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	2.40	0.000662	PASS
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	2.80	0.000772	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	3.10	0.000855	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	3.50	0.000966	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	4.70	0.001297	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-10	4.30	0.001186	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	2.00	0.000552	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	2.80	0.000772	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	0.80	0.000221	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	1.80	0.000497	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	2.70	0.000745	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	4.90	0.001352	PASS

~The End~