

Appendix-A LTE Band 25

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	23.84	29.39	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.91	29.46	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.81	29.36	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.76	28.31	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.76	29.31	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.79	29.34	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.79	29.34	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.97	28.52	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	24.39	29.94	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	24.48	30.03	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	24.58	30.13	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	23.61	29.16	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.89	28.44	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.75	28.3	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.8	28.35	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.8	27.35	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.89	28.44	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	23.24	28.79	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.84	28.39	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.89	27.44	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	23.47	29.02	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	23.35	28.9	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	23.61	29.16	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	22.82	28.37	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.65	29.2	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.78	29.33	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.6	29.15	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.78	28.33	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.68	29.23	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.75	29.3	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.64	29.19	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.92	28.47	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.97	29.52	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	24.29	29.84	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	24.47	30.02	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	23.42	28.97	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.81	28.36	33.00	PASS

Band25	3MHz	16QAM	26055	1RB#8	22.77	28.32	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.8	28.35	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.9	27.45	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.81	28.36	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	23.21	28.76	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.72	28.27	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.92	27.47	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	23.02	28.57	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	23.27	28.82	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	23.57	29.12	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	22.48	28.03	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.98	29.53	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.71	29.26	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.91	29.46	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.85	28.4	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	24.04	29.59	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.85	29.4	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	24.01	29.56	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	23.1	28.65	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	24.09	29.64	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	24.12	29.67	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	24.78	30.33	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	23.36	28.91	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.7	28.25	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.56	28.11	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.64	28.19	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.96	27.51	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	23.43	28.98	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	23.18	28.73	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	23.37	28.92	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	22.04	27.59	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.15	28.7	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.14	28.69	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	23.88	29.43	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	22.49	28.04	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	24	29.55	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.65	29.2	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	24.04	29.59	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	23.11	28.66	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	24.61	30.16	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.01	29.56	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	24.25	29.8	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	23.29	28.84	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	24.81	30.36	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.14	29.69	33.00	PASS

Band25	10MHz	QPSK	26640	1RB#49	24.83	30.38	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	23.4	28.95	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	23.86	29.41	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.99	28.54	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	23.46	29.01	33.00	PASS
Band25	10MHz	16QAM	26090	27RB#0	22.48	28.03	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	24.04	29.59	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.25	28.8	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	23.68	29.23	33.00	PASS
Band25	10MHz	16QAM	26365	27RB#0	22.55	28.1	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.66	29.21	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.51	29.06	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	23.63	29.18	33.00	PASS
Band25	10MHz	16QAM	26640	27RB#0	22.58	28.13	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	24.38	29.93	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.08	29.63	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	24.3	29.85	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	23.3	28.85	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	24.76	30.31	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	24.11	29.66	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.96	29.51	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	23.39	28.94	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	25	30.55	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	24.21	29.76	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	24.5	30.05	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	23.48	29.03	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	23.66	29.21	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	23.03	28.58	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	23.43	28.98	33.00	PASS
Band25	15MHz	16QAM	26115	27RB#0	22.5	28.05	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	23.62	29.17	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.52	29.07	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	23.23	28.78	33.00	PASS
Band25	15MHz	16QAM	26365	27RB#0	22.62	28.17	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	23.81	29.36	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.16	28.71	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	23.33	28.88	33.00	PASS
Band25	15MHz	16QAM	26615	27RB#0	22.94	28.49	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	24.62	30.17	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.37	29.92	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	24.57	30.12	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	23.42	28.97	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	25.05	30.6	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	24.22	29.77	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	24.02	29.57	33.00	PASS

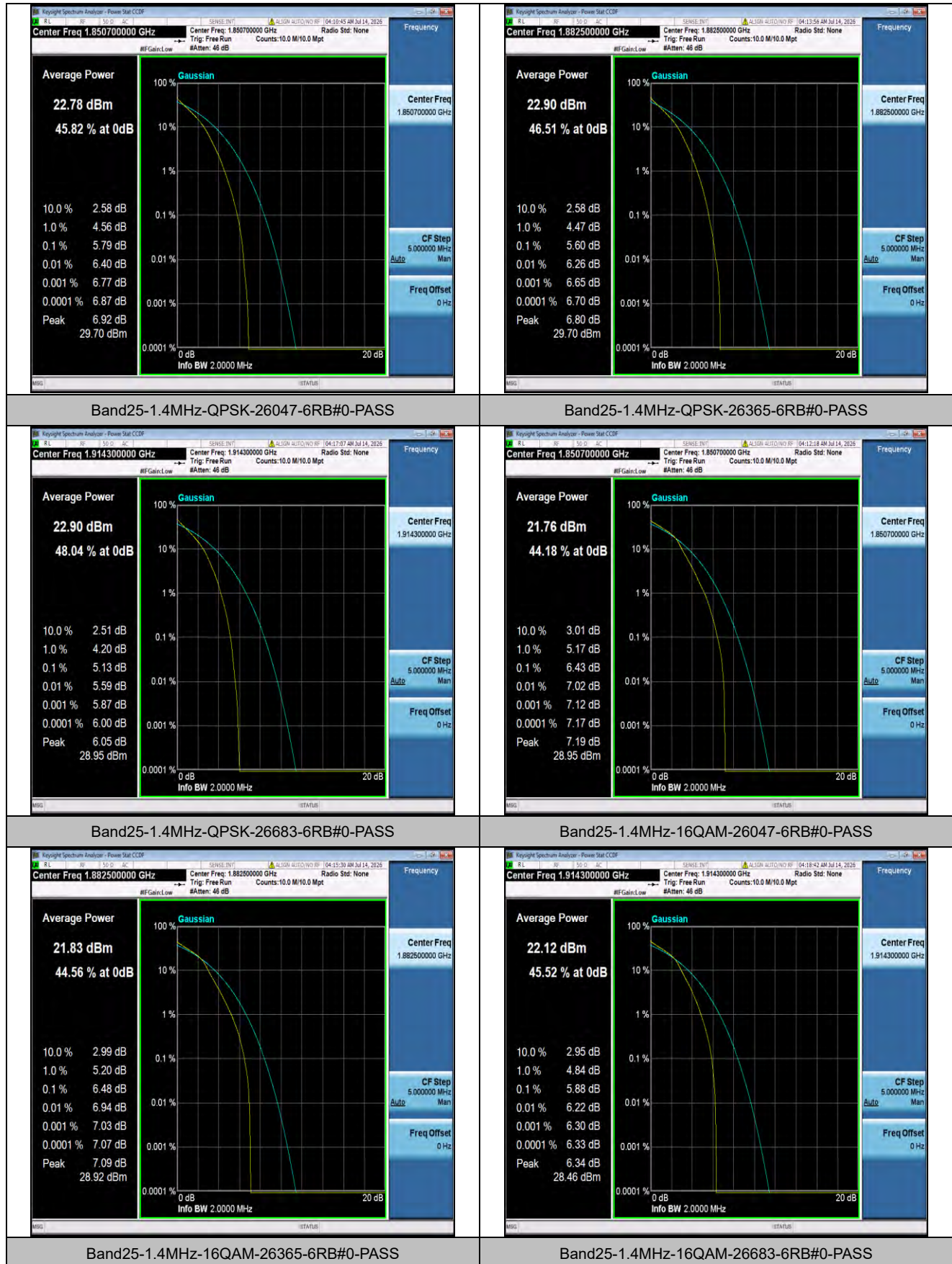
Band25	20MHz	QPSK	26365	100RB#0	23.4	28.95	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	25.17	30.72	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.57	30.12	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	24.47	30.02	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	23.79	29.34	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	23.57	29.12	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.02	28.57	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	23.47	29.02	33.00	PASS
Band25	20MHz	16QAM	26140	27RB#0	22.38	27.93	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	24.06	29.61	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	23.32	28.87	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	23.59	29.14	33.00	PASS
Band25	20MHz	16QAM	26365	27RB#0	22.67	28.22	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	24.3	29.85	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	23.45	29	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	23.52	29.07	33.00	PASS
Band25	20MHz	16QAM	26590	27RB#0	23.16	28.71	33.00	PASS

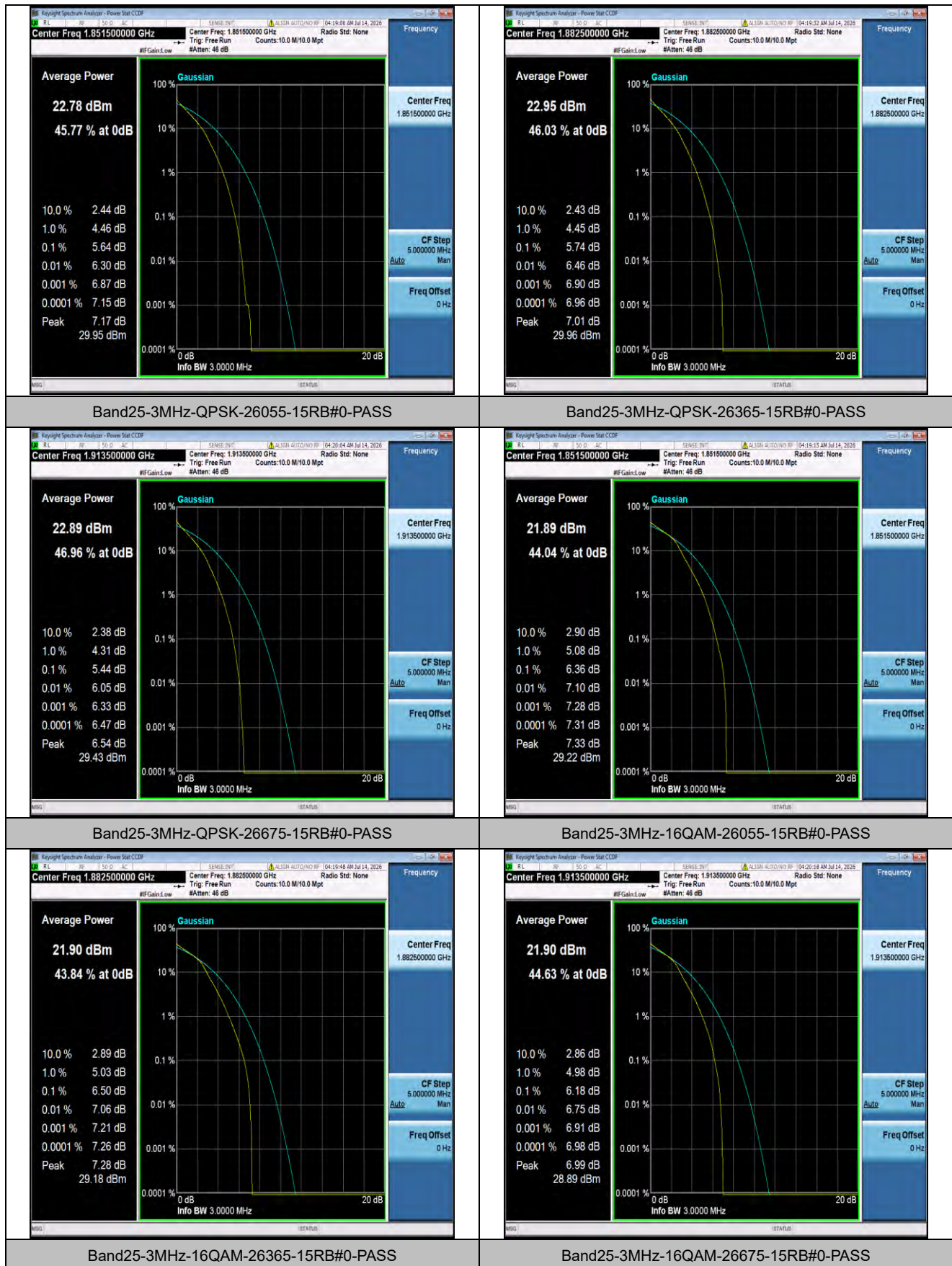
Peak-to-Average Ratio(CCDF)

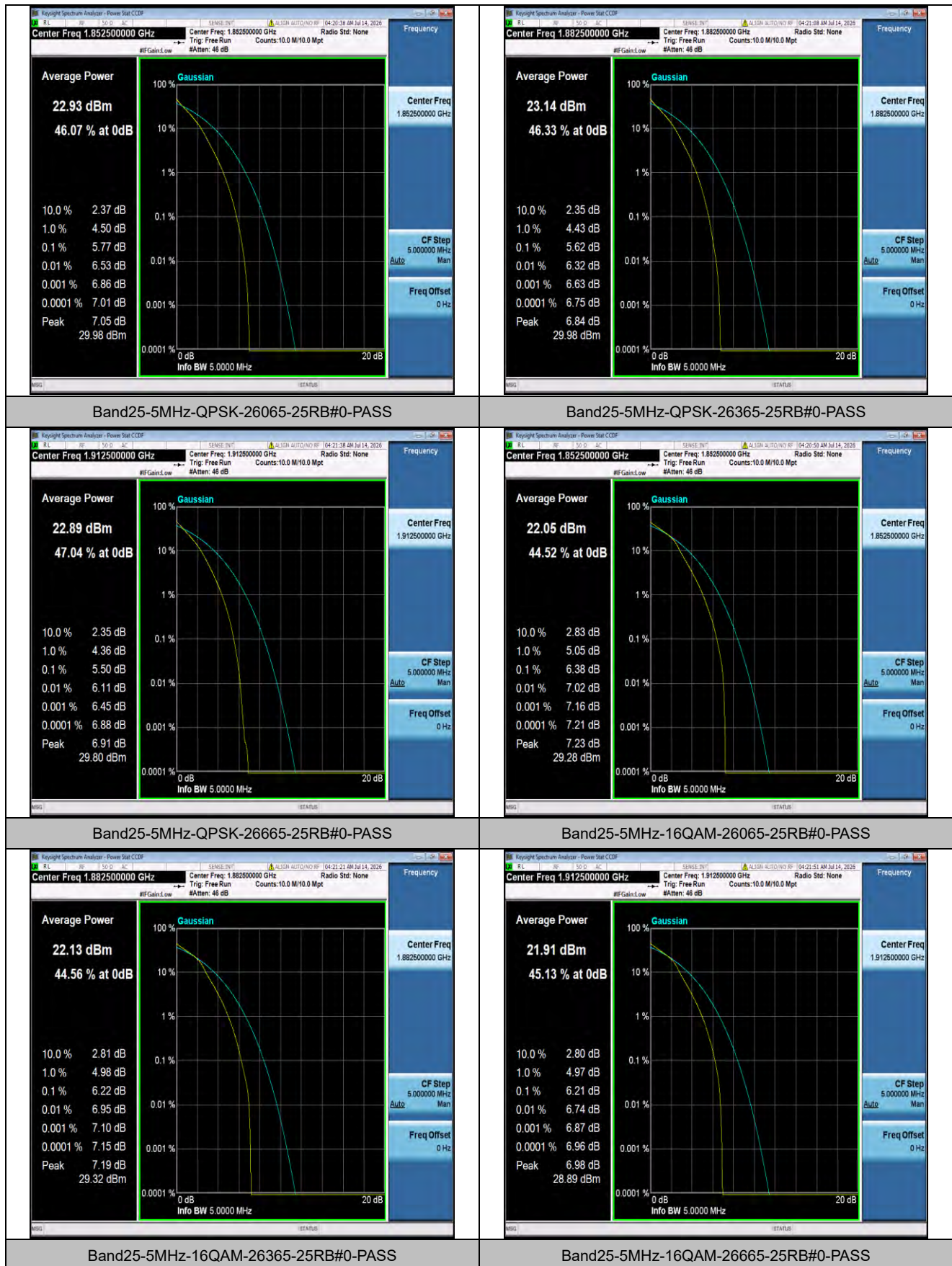
Test Result

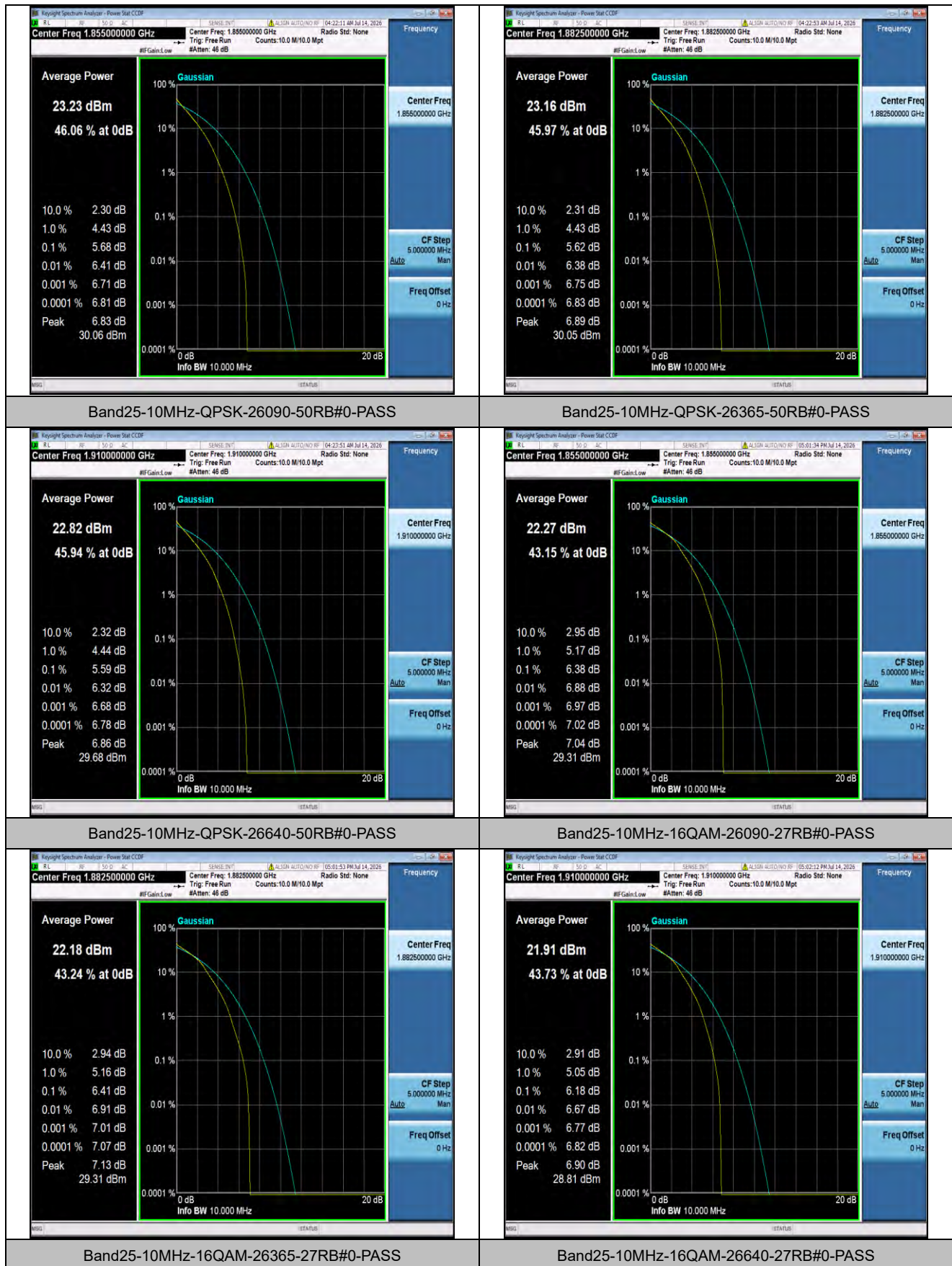
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	5.79	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.60	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	5.13	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	6.43	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	6.48	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.88	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.64	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.74	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	5.44	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	6.36	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	6.50	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.18	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.77	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.62	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.50	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	6.38	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	6.22	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.21	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.68	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.62	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.59	13	PASS
Band25	10MHz	16QAM	26090	27RB#0	6.38	13	PASS
Band25	10MHz	16QAM	26365	27RB#0	6.41	13	PASS
Band25	10MHz	16QAM	26640	27RB#0	6.18	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.41	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.41	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.23	13	PASS
Band25	15MHz	16QAM	26115	27RB#0	6.22	13	PASS
Band25	15MHz	16QAM	26365	27RB#0	6.21	13	PASS
Band25	15MHz	16QAM	26615	27RB#0	5.90	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.66	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.65	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.40	13	PASS
Band25	20MHz	16QAM	26140	27RB#0	6.51	13	PASS
Band25	20MHz	16QAM	26365	27RB#0	6.40	13	PASS
Band25	20MHz	16QAM	26590	27RB#0	6.09	13	PASS

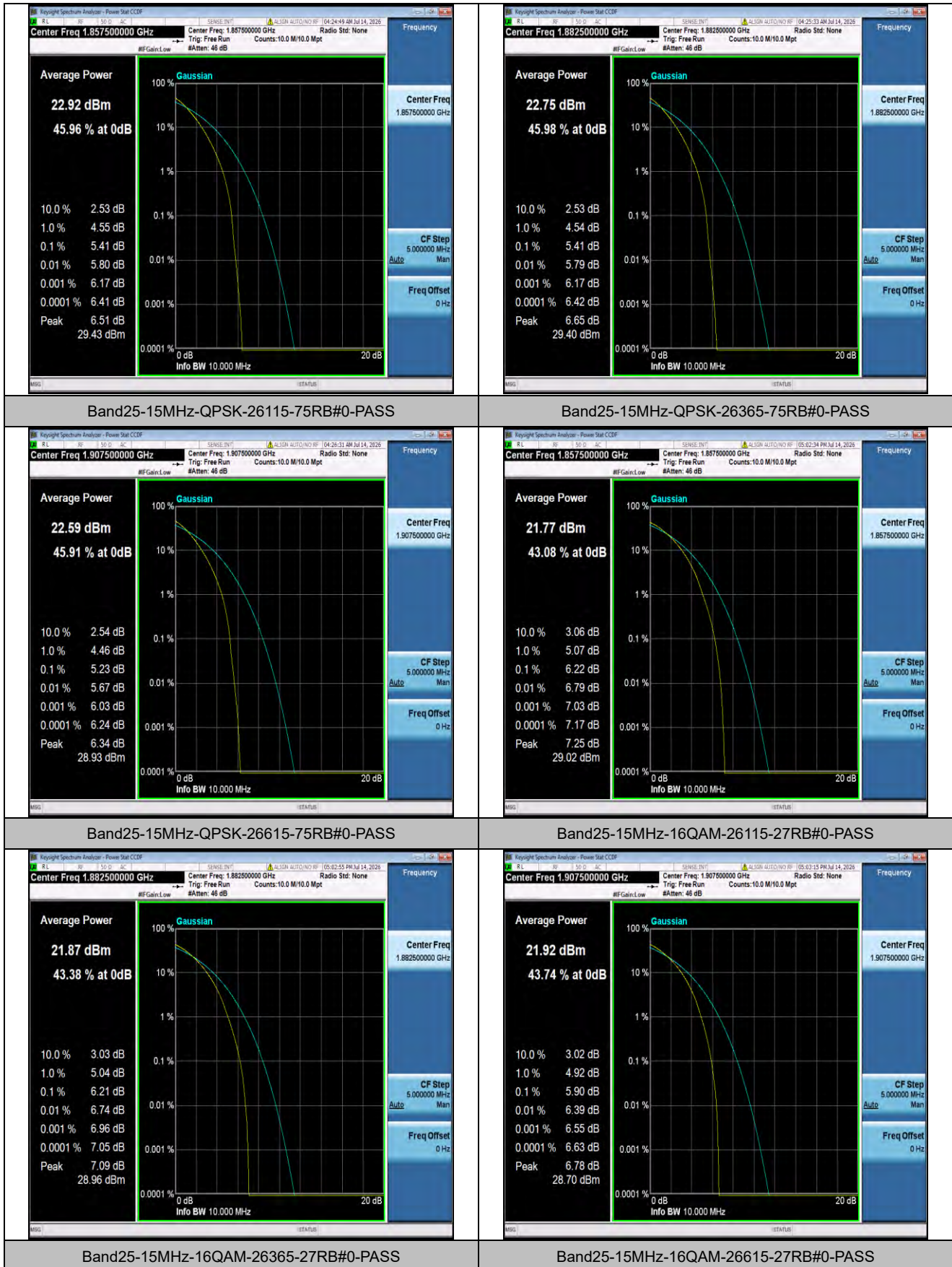
Test Graphs

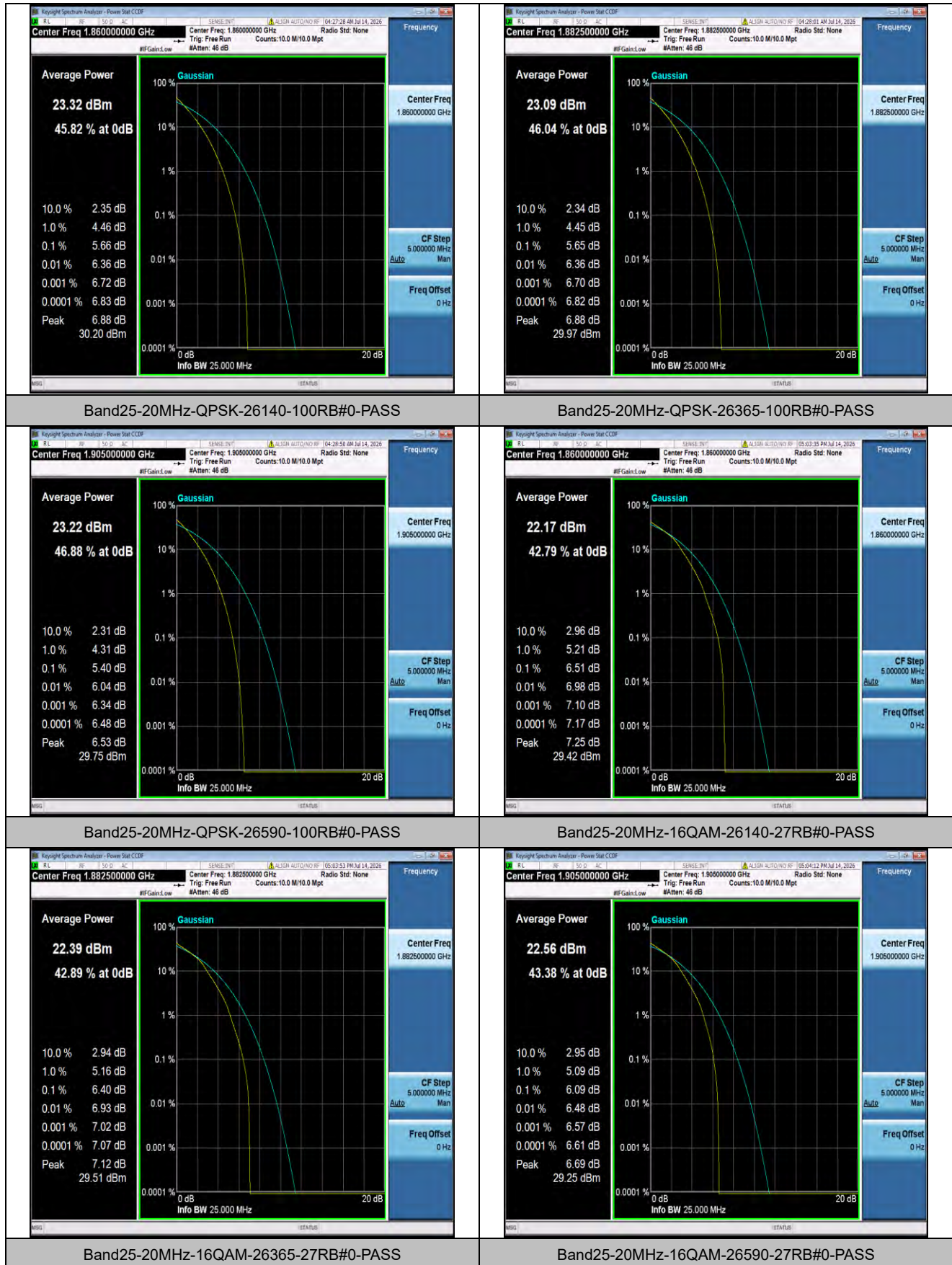










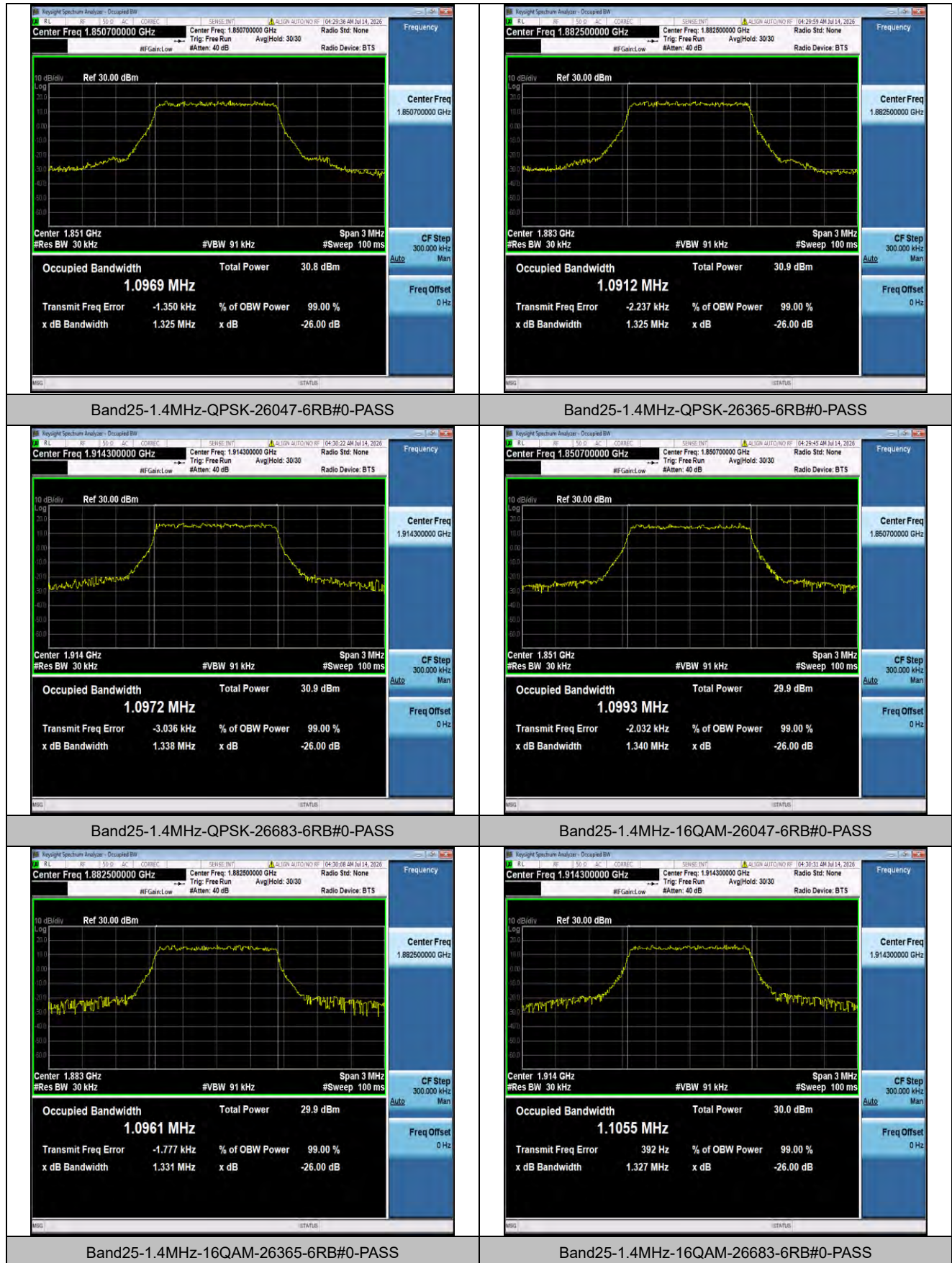


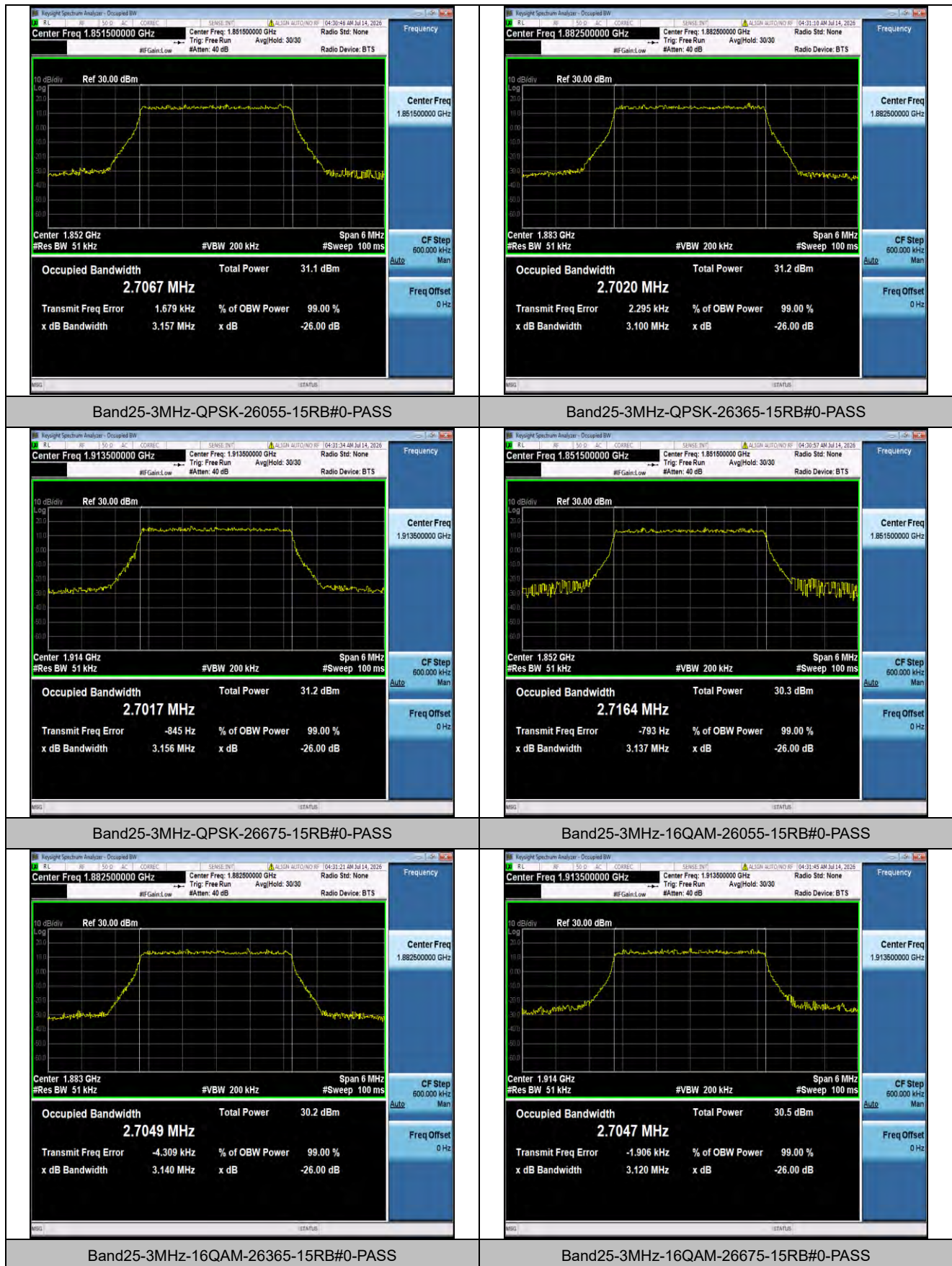
26dB Bandwidth and Occupied Bandwidth

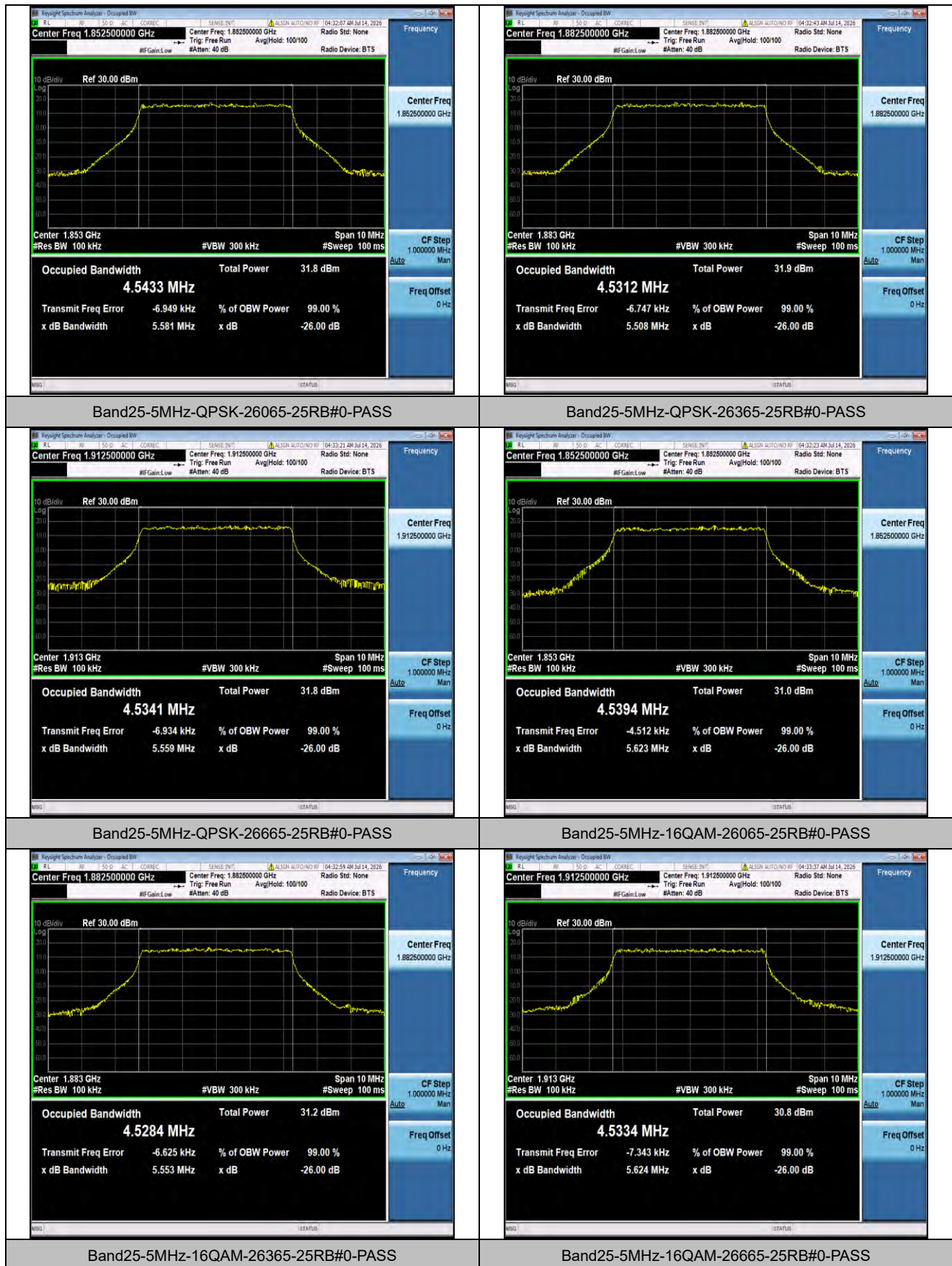
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0969	1.325	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0912	1.325	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0972	1.338	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0993	1.340	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0961	1.331	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.1055	1.327	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.7067	3.157	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.7020	3.100	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.7017	3.156	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.7164	3.137	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.7049	3.140	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.7047	3.120	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.5433	5.581	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.5312	5.508	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5341	5.559	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.5394	5.623	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.5284	5.553	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.5334	5.624	PASS
Band25	10MHz	QPSK	26090	50RB#0	9.0068	10.55	PASS
Band25	10MHz	QPSK	26365	50RB#0	9.0066	10.56	PASS
Band25	10MHz	QPSK	26640	50RB#0	9.0229	10.61	PASS
Band25	10MHz	16QAM	26090	27RB#0	5.0414	6.687	PASS
Band25	10MHz	16QAM	26365	27RB#0	5.0561	6.542	PASS
Band25	10MHz	16QAM	26640	27RB#0	5.0339	6.486	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.496	15.95	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.521	15.93	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.498	16.28	PASS
Band25	15MHz	16QAM	26115	27RB#0	5.3432	7.770	PASS
Band25	15MHz	16QAM	26365	27RB#0	5.3440	7.637	PASS
Band25	15MHz	16QAM	26615	27RB#0	5.2469	7.779	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.961	20.38	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.946	20.51	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.877	20.20	PASS
Band25	20MHz	16QAM	26140	27RB#0	5.4638	7.903	PASS
Band25	20MHz	16QAM	26365	27RB#0	5.4897	8.051	PASS
Band25	20MHz	16QAM	26590	27RB#0	5.4987	8.104	PASS

Test Graphs

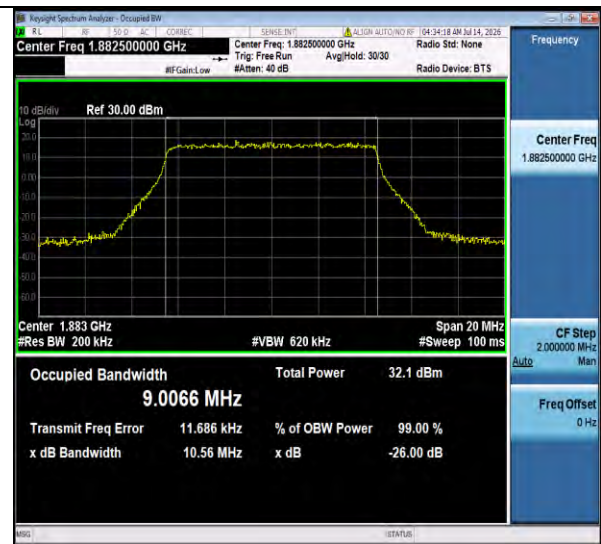








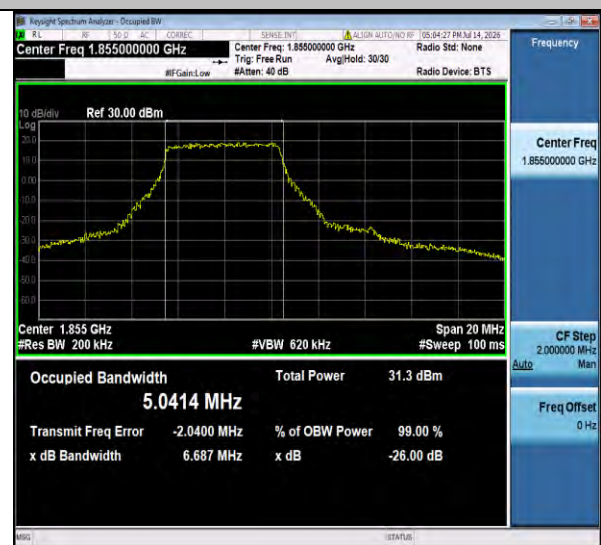
Band25-10MHz-QPSK-26090-50RB#0-PASS



Band25-10MHz-QPSK-26365-50RB#0-PASS



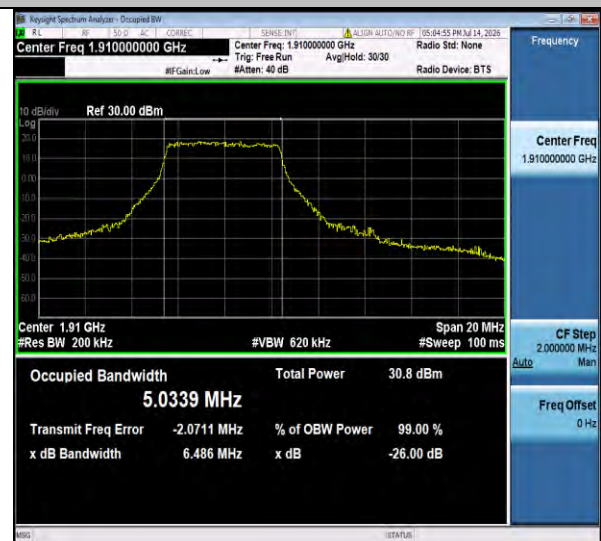
Band25-10MHz-QPSK-26640-50RB#0-PASS



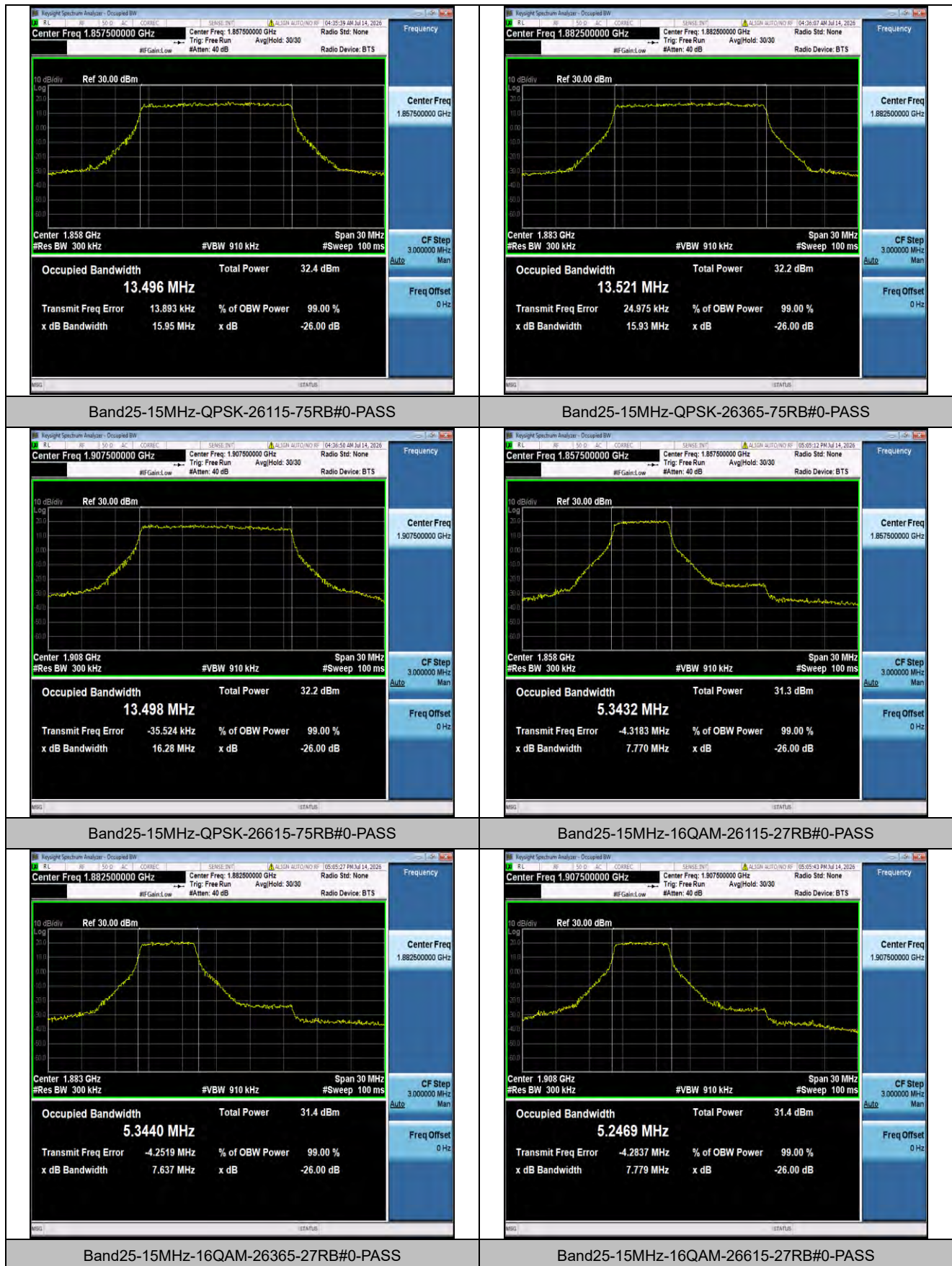
Band25-10MHz-16QAM-26090-27RB#0-PASS

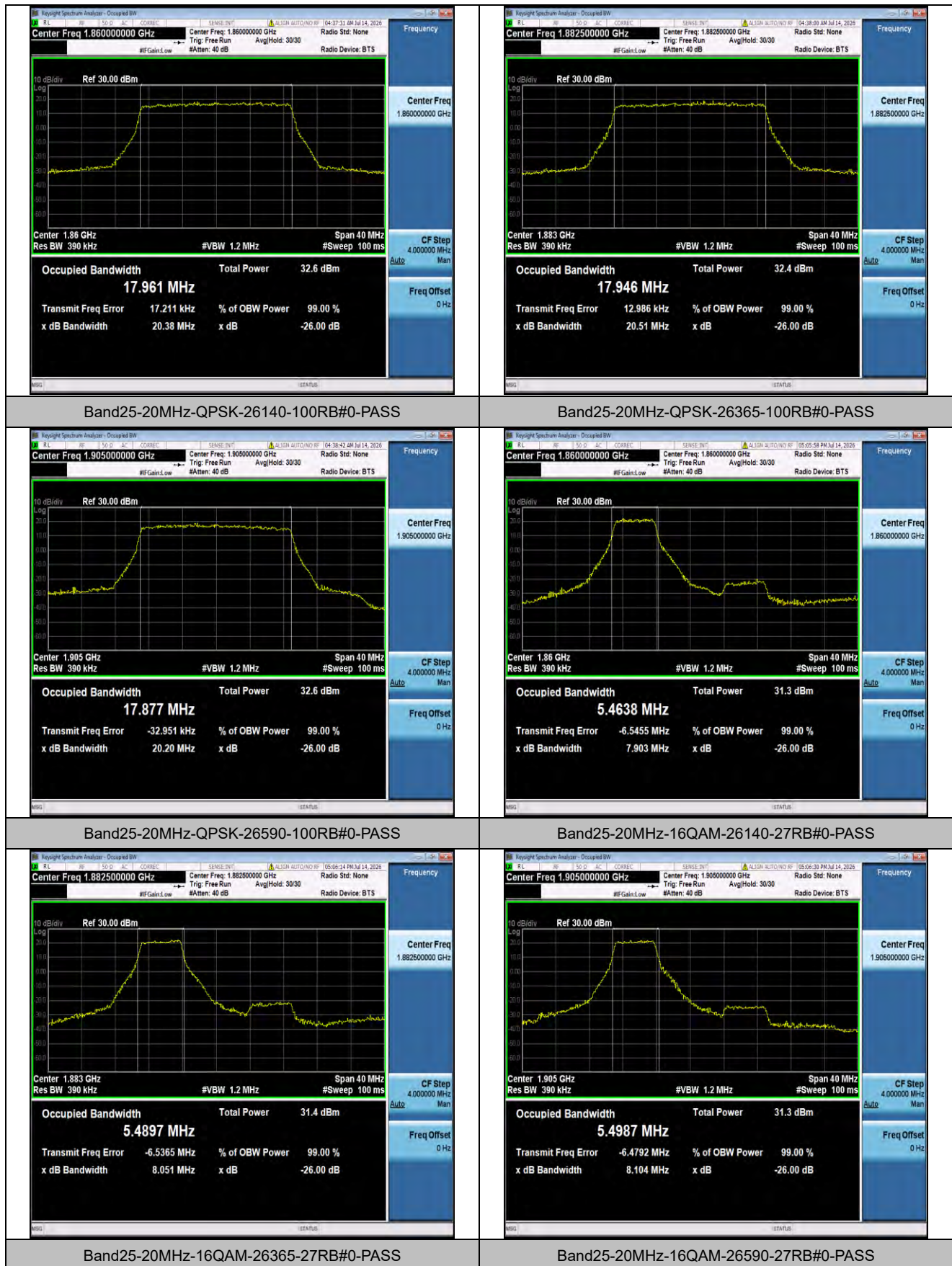


Band25-10MHz-16QAM-26365-27RB#0-PASS



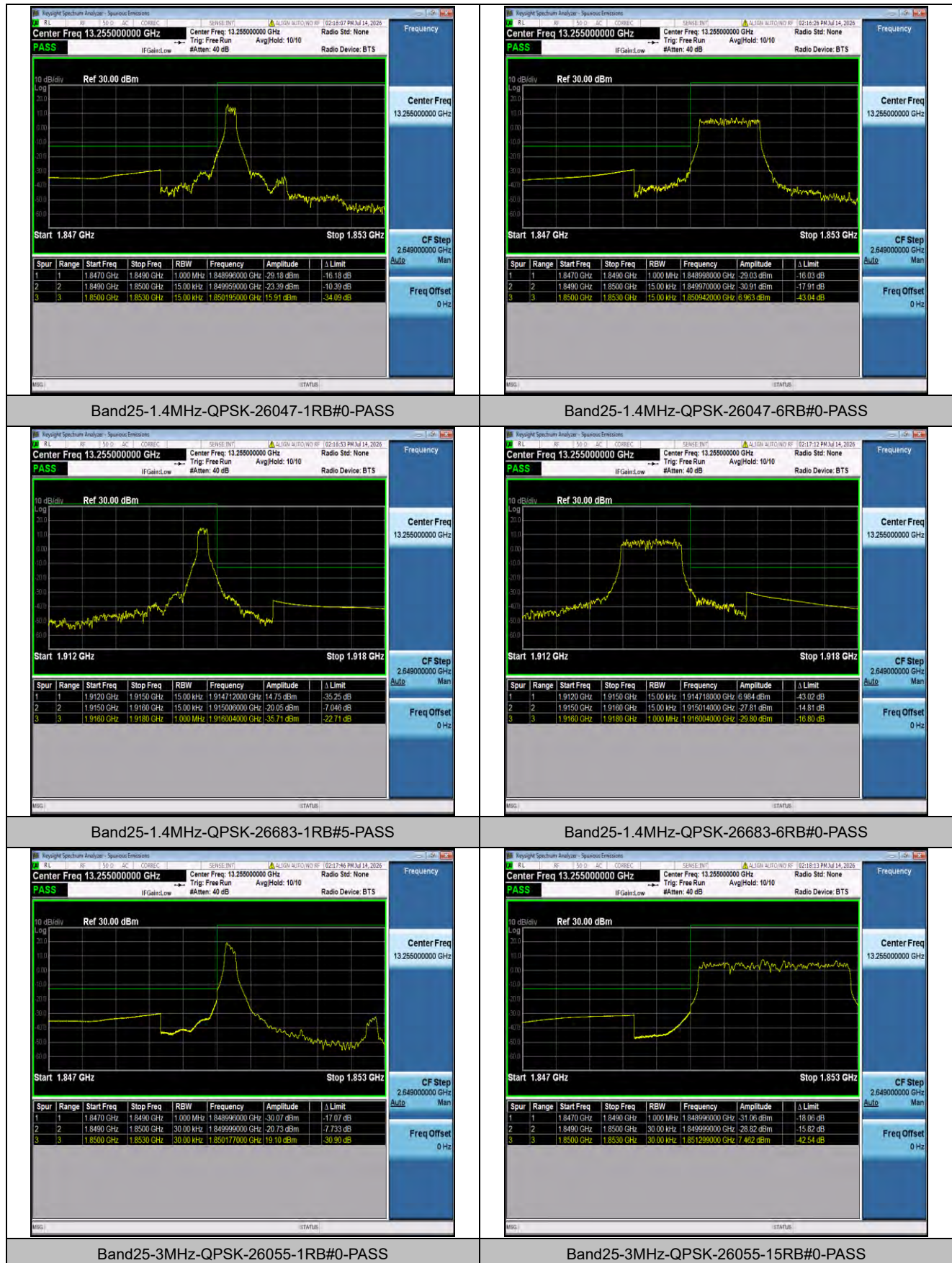
Band25-10MHz-16QAM-26640-27RB#0-PASS





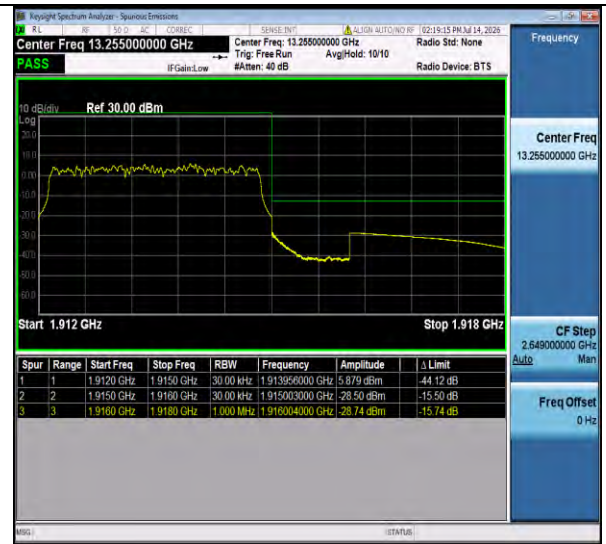
Band Edge

Test Graphs





Band25-3MHz-QPSK-26675-1RB#14-PASS



Band25-3MHz-QPSK-26675-15RB#0-PASS



Band25-5MHz-QPSK-26065-1RB#0-PASS



Band25-5MHz-QPSK-26065-25RB#0-PASS



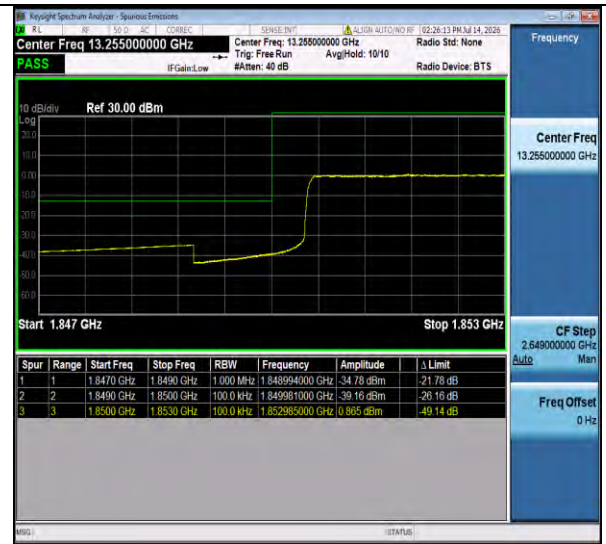
Band25-5MHz-QPSK-26665-1RB#24-PASS



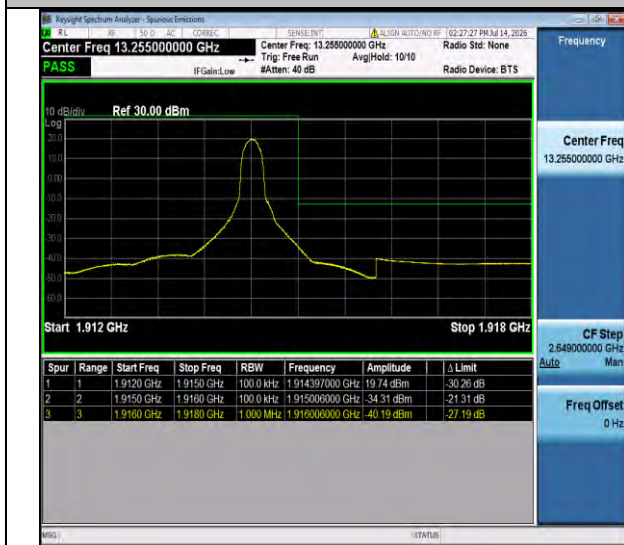
Band25-5MHz-QPSK-26665-25RB#0-PASS



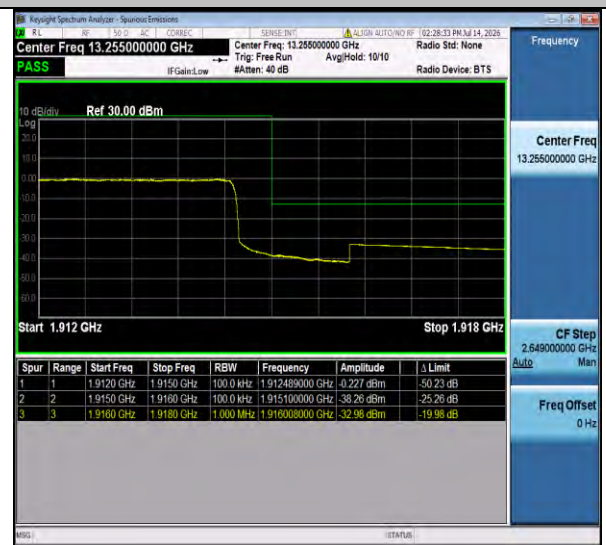
Band25-10MHz-QPSK-26090-1RB#0-PASS



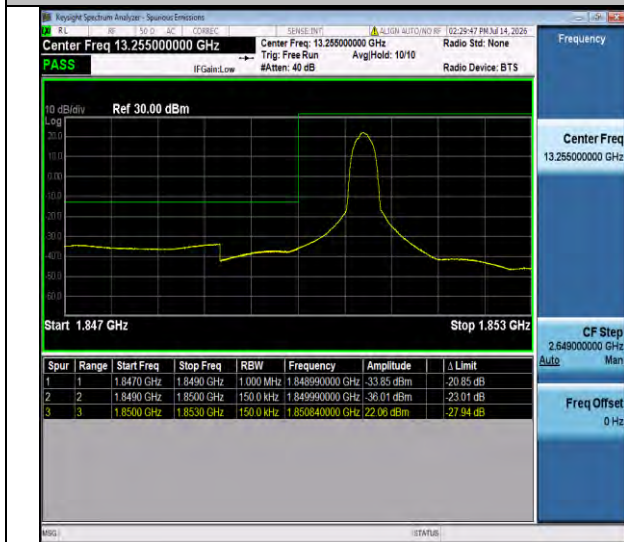
Band25-10MHz-QPSK-26090-50RB#0-PASS



Band25-10MHz-QPSK-26640-1RB#49-PASS



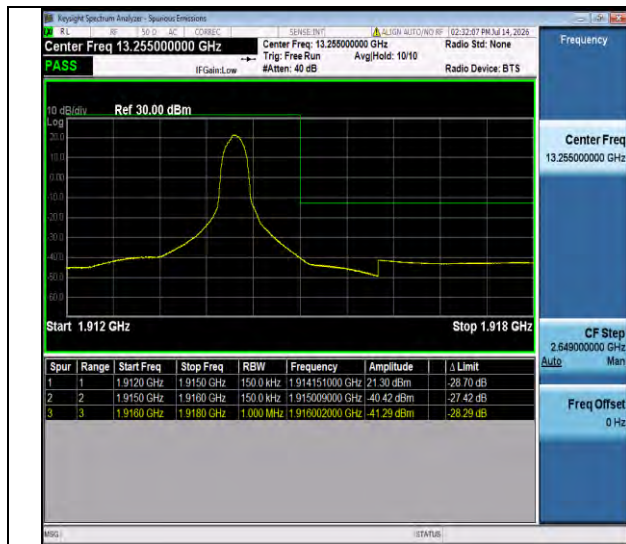
Band25-10MHz-QPSK-26640-50RB#0-PASS



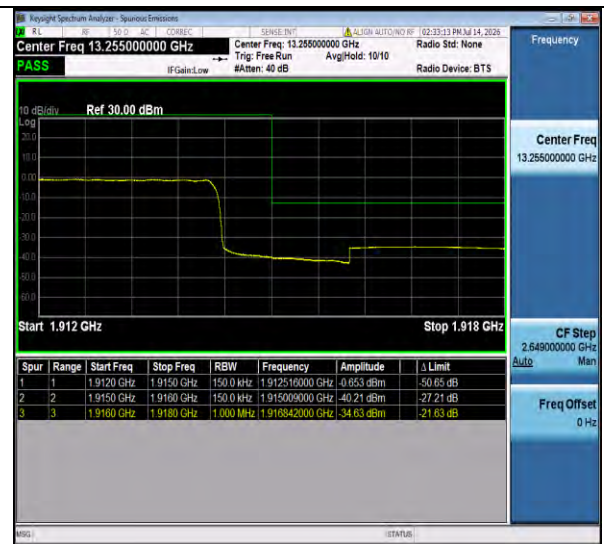
Band25-15MHz-QPSK-26115-1RB#0-PASS



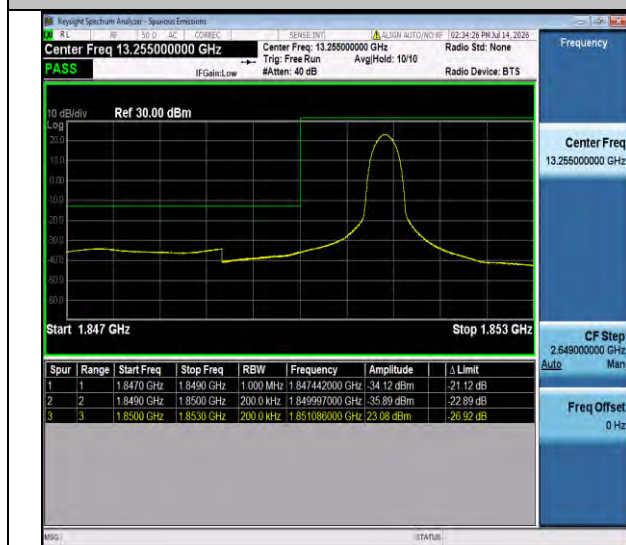
Band25-15MHz-QPSK-26115-75RB#0-PASS



Band25-15MHz-QPSK-26615-1RB#74-PASS



Band25-15MHz-QPSK-26615-75RB#0-PASS



Band25-20MHz-QPSK-26140-1RB#0-PASS



Band25-20MHz-QPSK-26140-100RB#0-PASS



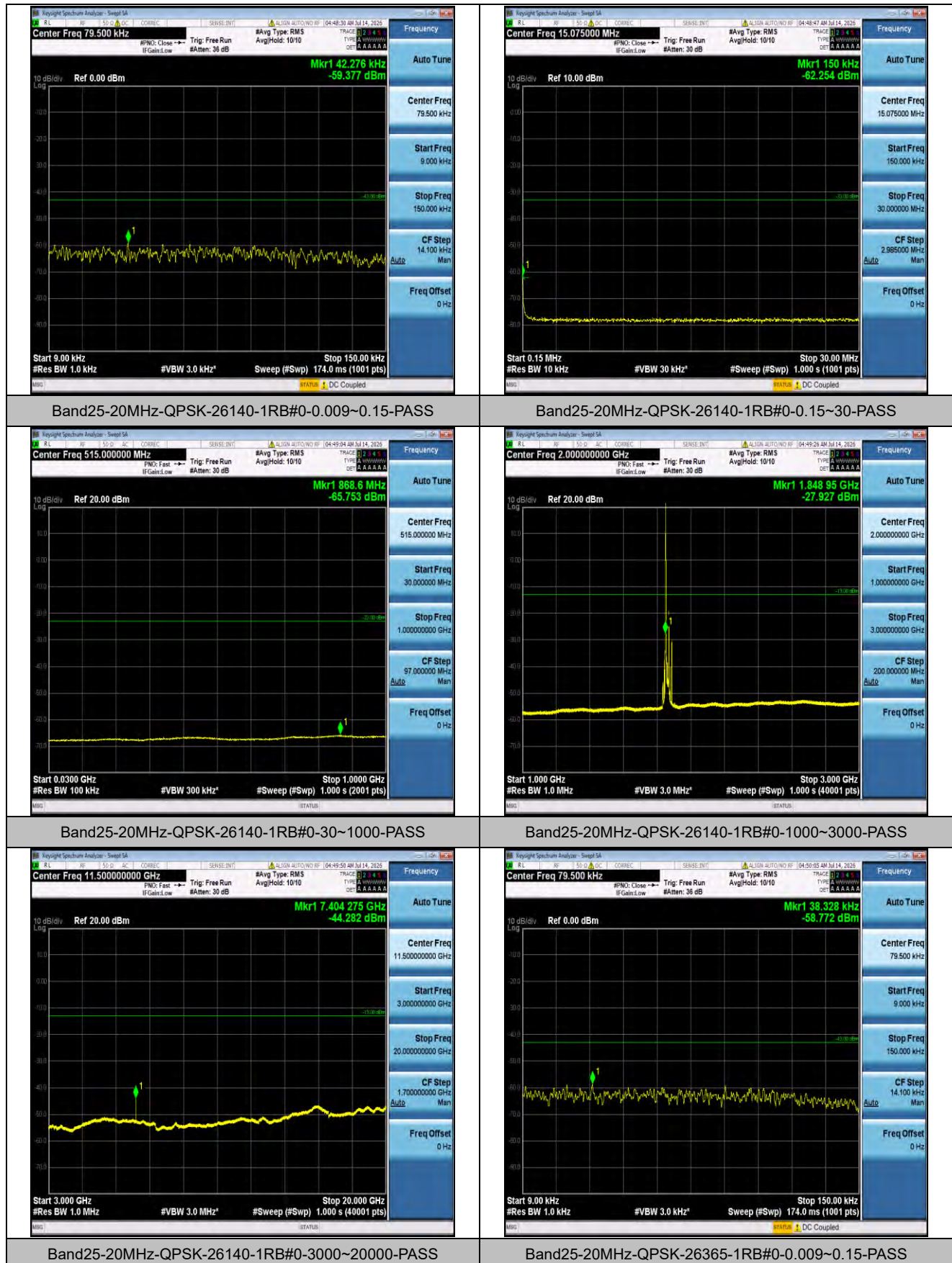
Band25-20MHz-QPSK-26590-1RB#99-PASS

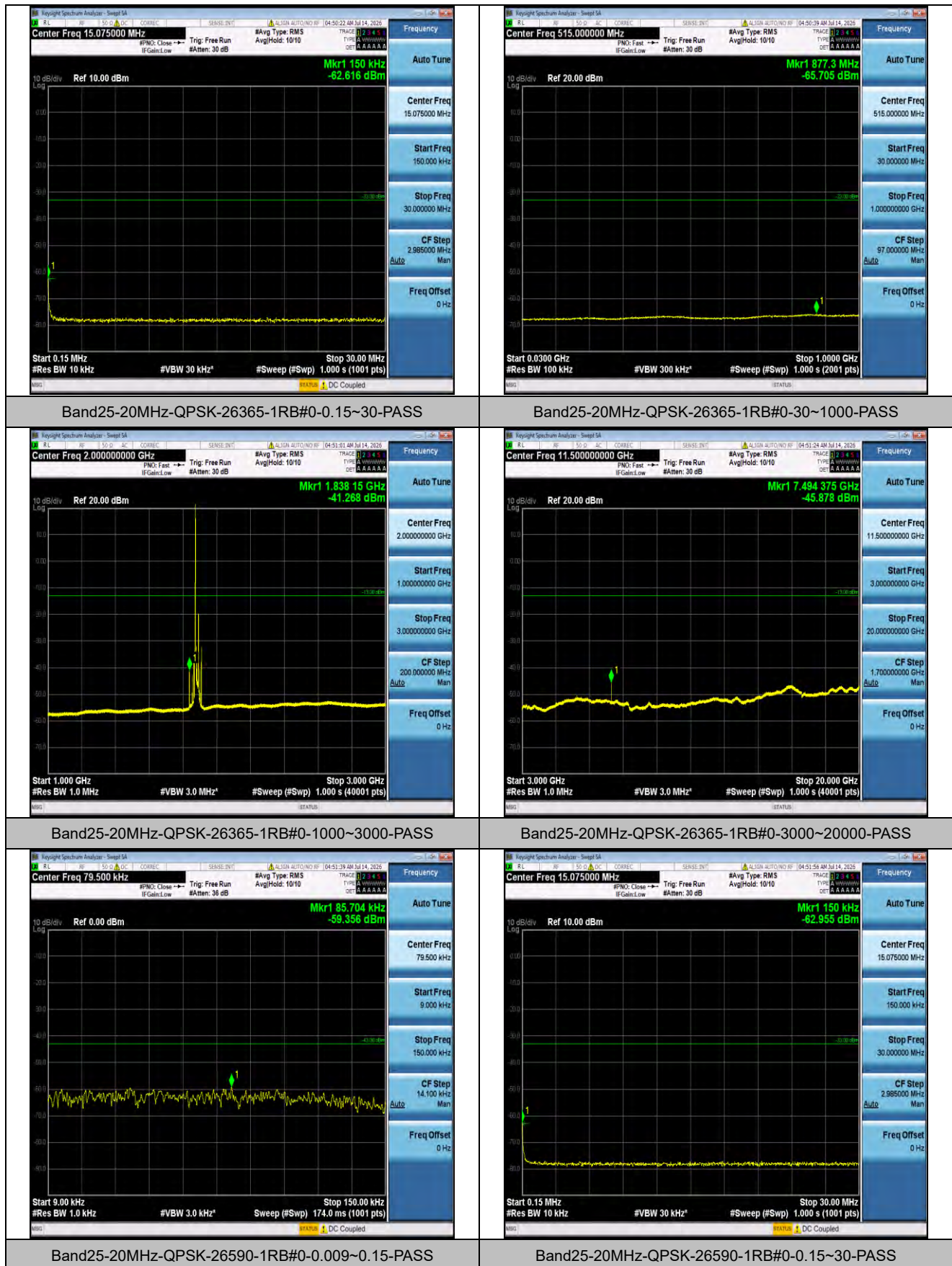


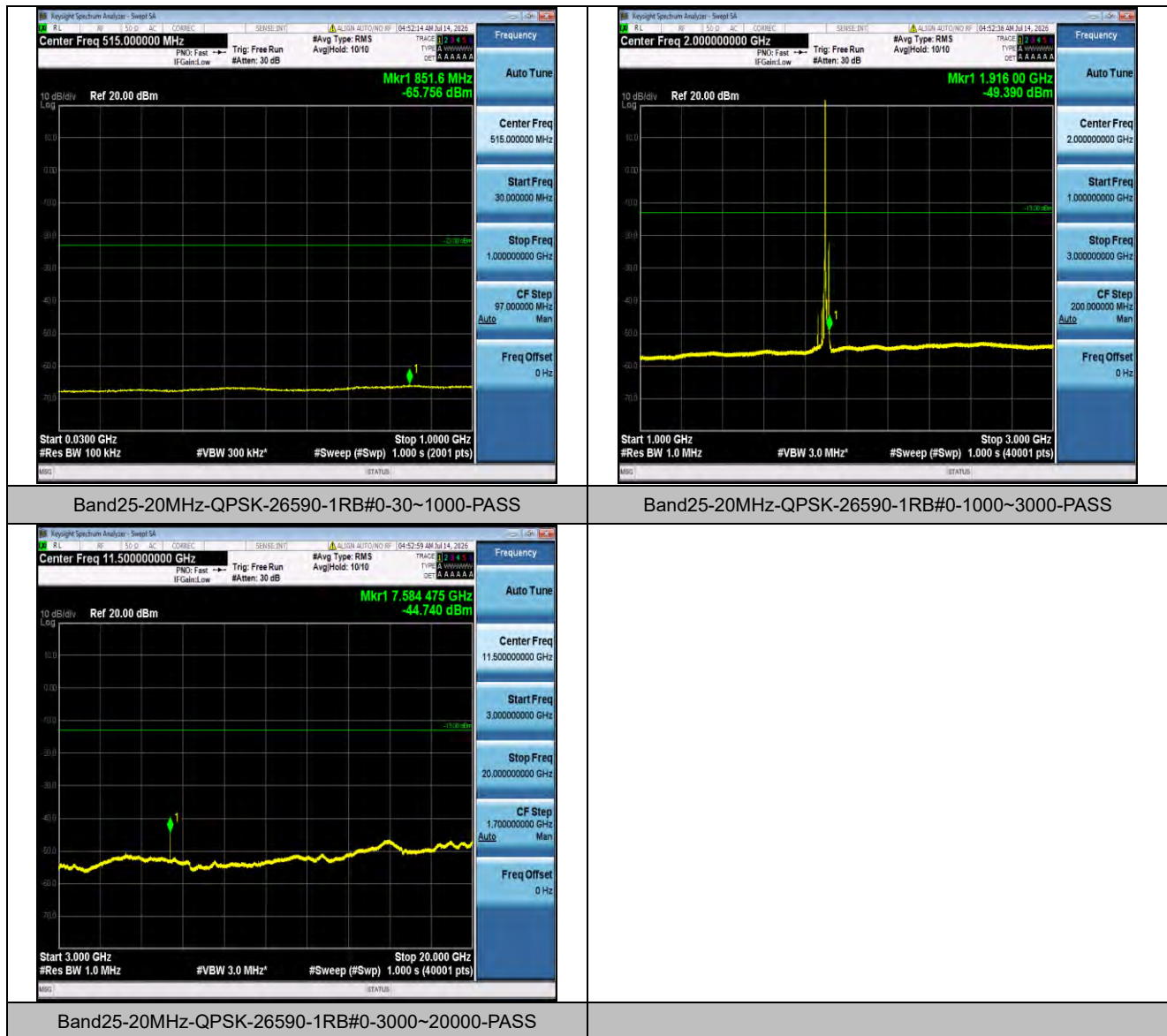
Band25-20MHz-QPSK-26590-100RB#0-PASS

Conducted Spurious Emission

Test Graphs







Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-8.94	-0.004749	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-13.18	-0.007001	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-5.14	-0.002730	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-11.21	-0.005955	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-6.13	-0.003256	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-5.24	-0.002784	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-9.00	-0.004781	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-10.28	-0.005461	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-16.68	-0.008861	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-9.39	-0.004988	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-8.20	-0.004356	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-6.30	-0.003347	PASS

~The End~