

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	23.75	25.55	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.81	25.61	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.98	25.78	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.91	24.71	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.54	24.34	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.65	24.45	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	23.13	24.93	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	22.06	23.86	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.92	25.72	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.98	25.78	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.87	25.67	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	23.05	24.85	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.89	24.69	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.83	24.63	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.79	24.59	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	22.12	23.92	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.99	25.79	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	24.09	25.89	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	24.03	25.83	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	23.23	25.03	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	23.01	24.81	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.97	24.77	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	23.11	24.91	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	22.18	23.98	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.73	25.53	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.86	25.66	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	24.00	25.8	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	23.09	24.89	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.64	24.44	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.87	24.67	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	23.47	25.27	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	22.15	23.95	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	24.19	25.99	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	24.04	25.84	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	24.04	25.84	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	23.16	24.96	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.23	25.03	33.00	PASS

Band25	3MHz	16QAM	26365	1RB#8	23.20	25	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.80	24.6	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	22.10	23.9	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	24.08	25.88	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	24.15	25.95	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	24.24	26.04	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	23.39	25.19	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	23.31	25.11	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	23.05	24.85	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	23.24	25.04	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	22.31	24.11	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.58	25.38	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	24.28	26.08	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	24.06	25.86	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	23.11	24.91	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.69	24.49	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.78	24.58	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.96	24.76	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	22.01	23.81	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.74	25.54	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	24.21	26.01	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	24.05	25.85	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	23.17	24.97	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.81	24.61	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.86	24.66	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	23.22	25.02	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	22.07	23.87	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	24.13	25.93	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	24.26	26.06	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.75	25.55	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	23.31	25.11	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.55	25.35	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.12	24.92	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	23.15	24.95	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	22.28	24.08	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.81	25.61	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.09	25.89	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	24.18	25.98	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	23.26	25.06	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.82	24.62	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	23.00	24.8	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	23.12	24.92	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	22.11	23.91	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	24.04	25.84	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.41	26.21	33.00	PASS

Band25	10MHz	QPSK	26365	1RB#49	23.88	25.68	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	23.11	24.91	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	23.07	24.87	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.00	24.8	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.76	24.56	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	22.17	23.97	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	24.30	26.1	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.54	26.34	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	24.19	25.99	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	23.34	25.14	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.55	25.35	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.15	24.95	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	23.25	25.05	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	22.21	24.01	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.77	25.57	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.34	26.14	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	24.28	26.08	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	23.25	25.05	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.59	24.39	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	23.82	25.62	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.89	24.69	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	22.24	24.04	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	24.06	25.86	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.98	25.78	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.84	25.64	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	23.06	24.86	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	23.21	25.01	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.00	24.8	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	23.12	24.92	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	22.02	23.82	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	24.43	26.23	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	24.09	25.89	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	24.22	26.02	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	23.33	25.13	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.97	24.77	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.05	24.85	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	23.10	24.9	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	22.20	24	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.87	25.67	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.55	26.35	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	24.01	25.81	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	23.24	25.04	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.76	24.56	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.06	24.86	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.97	24.77	33.00	PASS

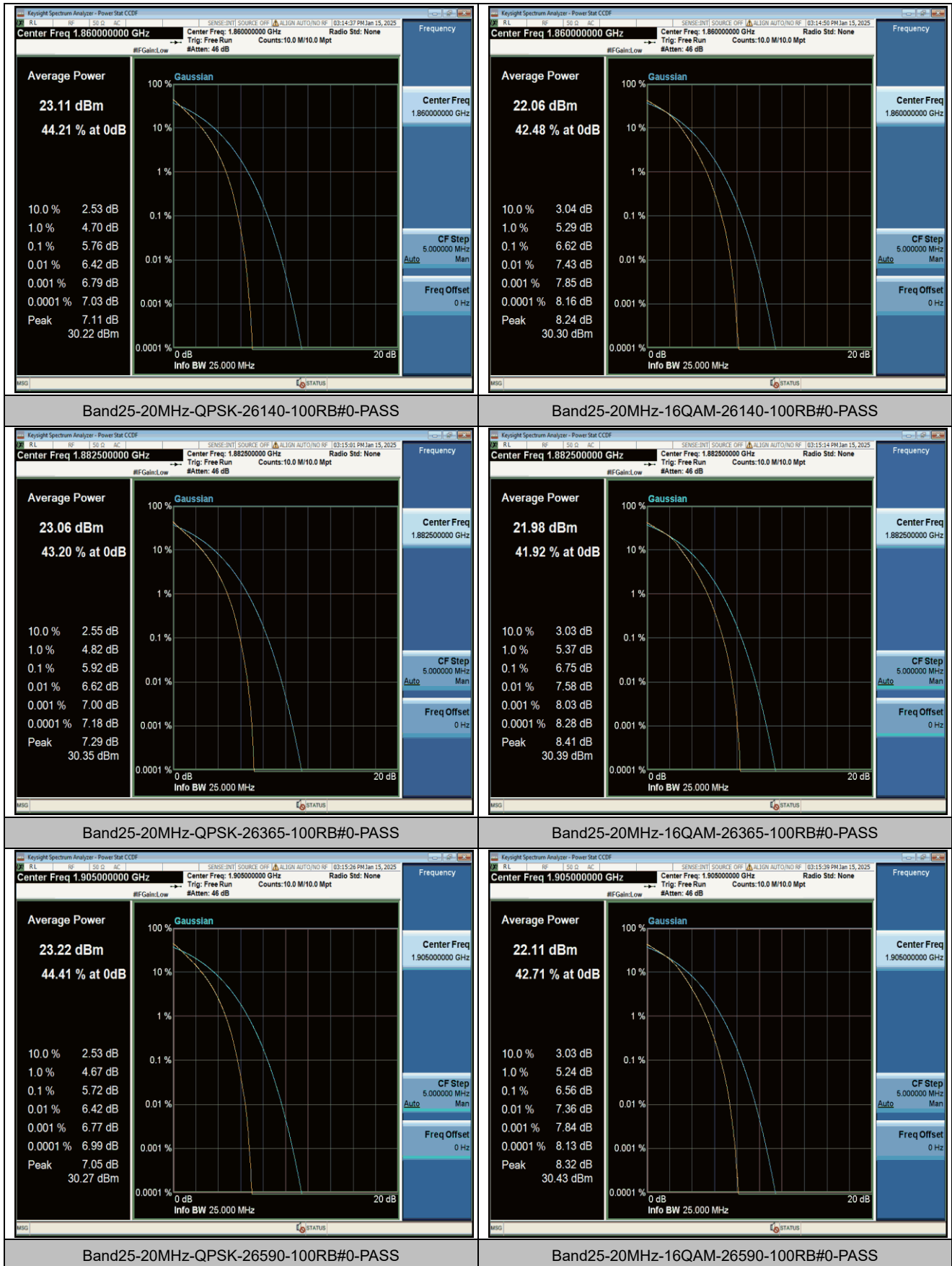
Band25	20MHz	16QAM	26140	100RB#0	22.21	24.01	33.00	PASS
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Band25	20MHz	QPSK	26365	1RB#49	24.20	26	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.75	25.55	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	23.04	24.84	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.92	24.72	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.93	24.73	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.69	24.49	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.96	23.76	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.72	25.52	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.18	25.98	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	24.18	25.98	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	23.17	24.97	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.93	24.73	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	23.21	25.01	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	23.09	24.89	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	22.17	23.97	33.00	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.76	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.62	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.92	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.75	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.72	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.56	13	PASS

Test Graphs

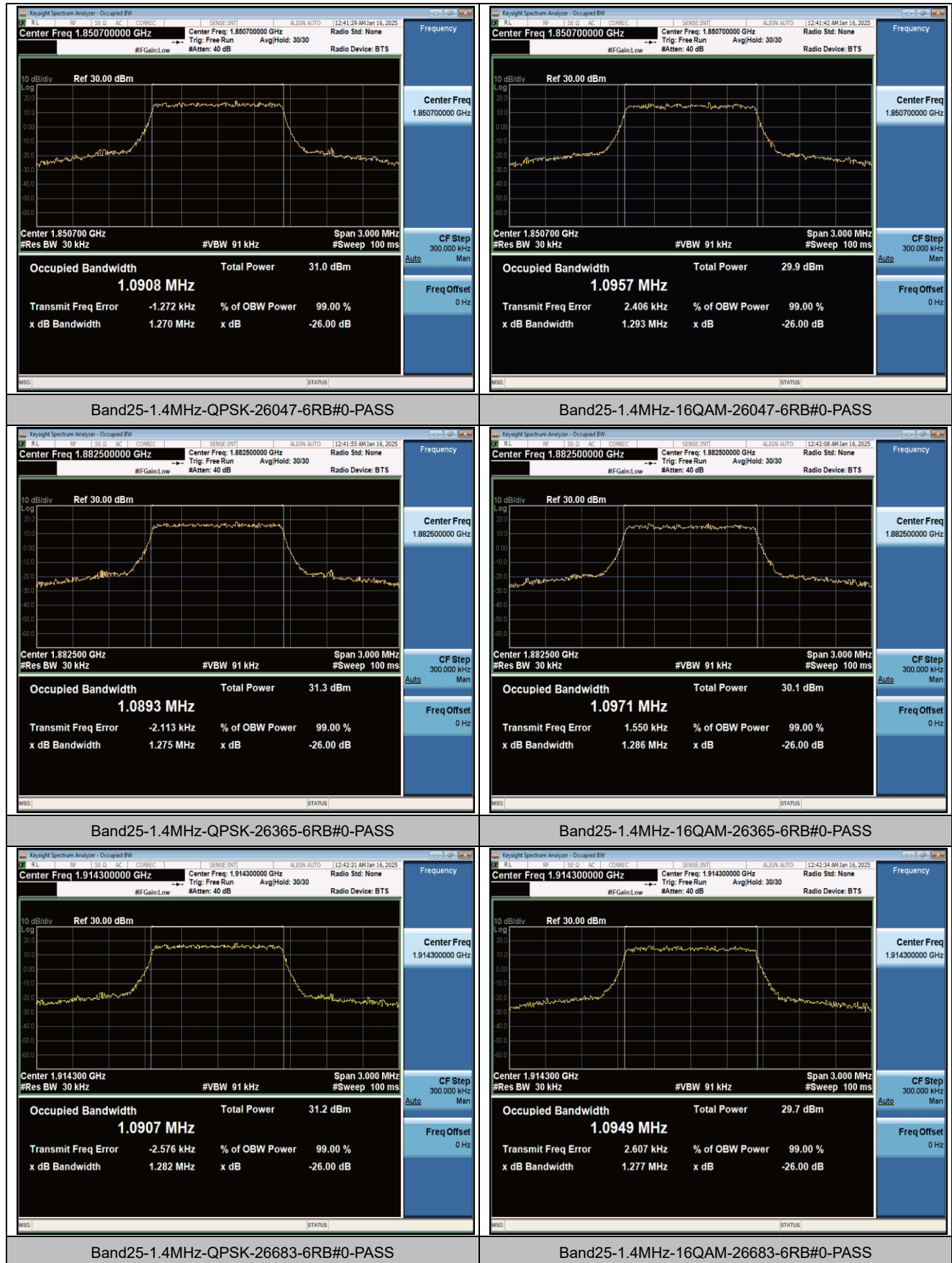


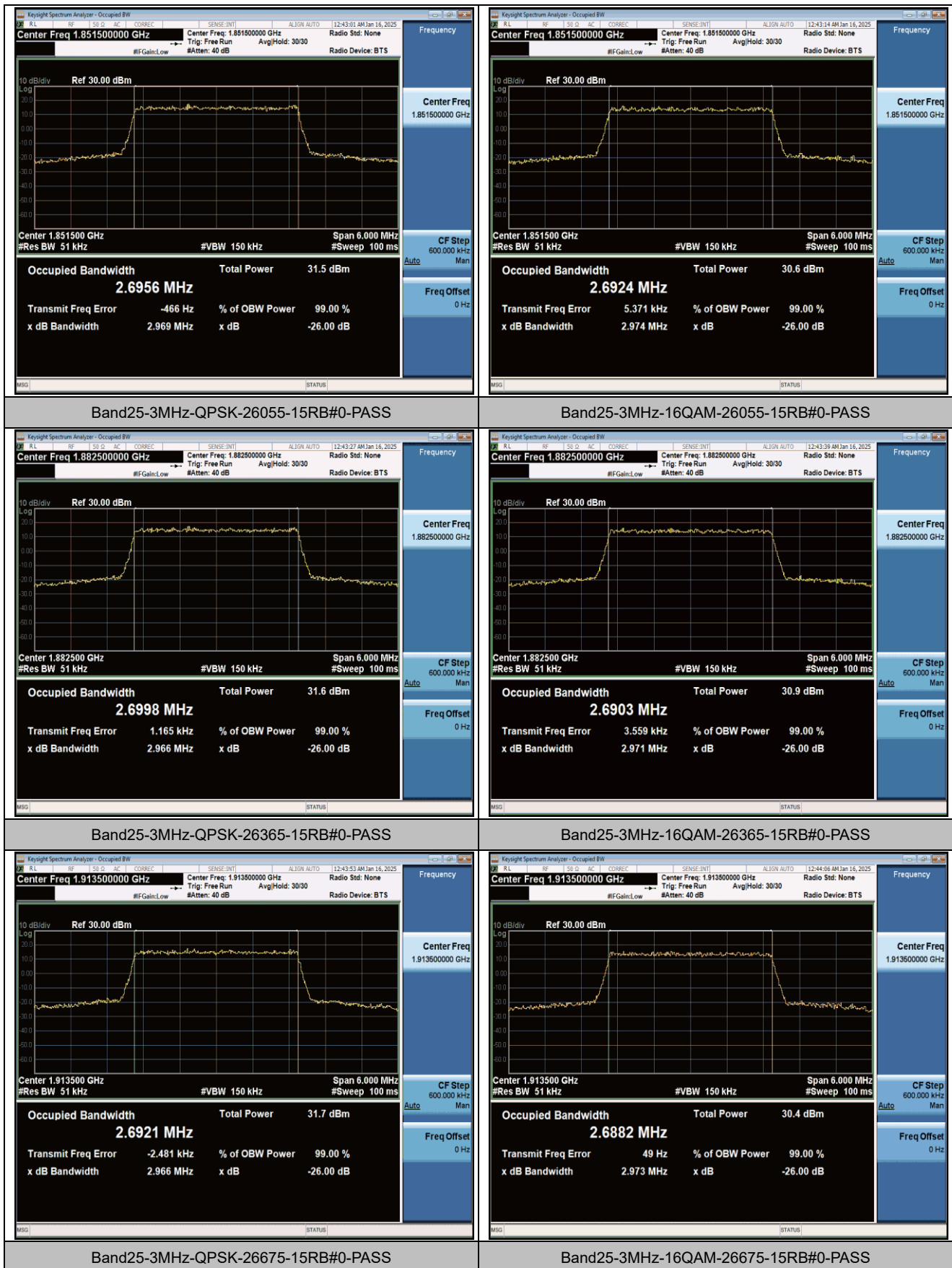
26dB Bandwidth and Occupied Bandwidth

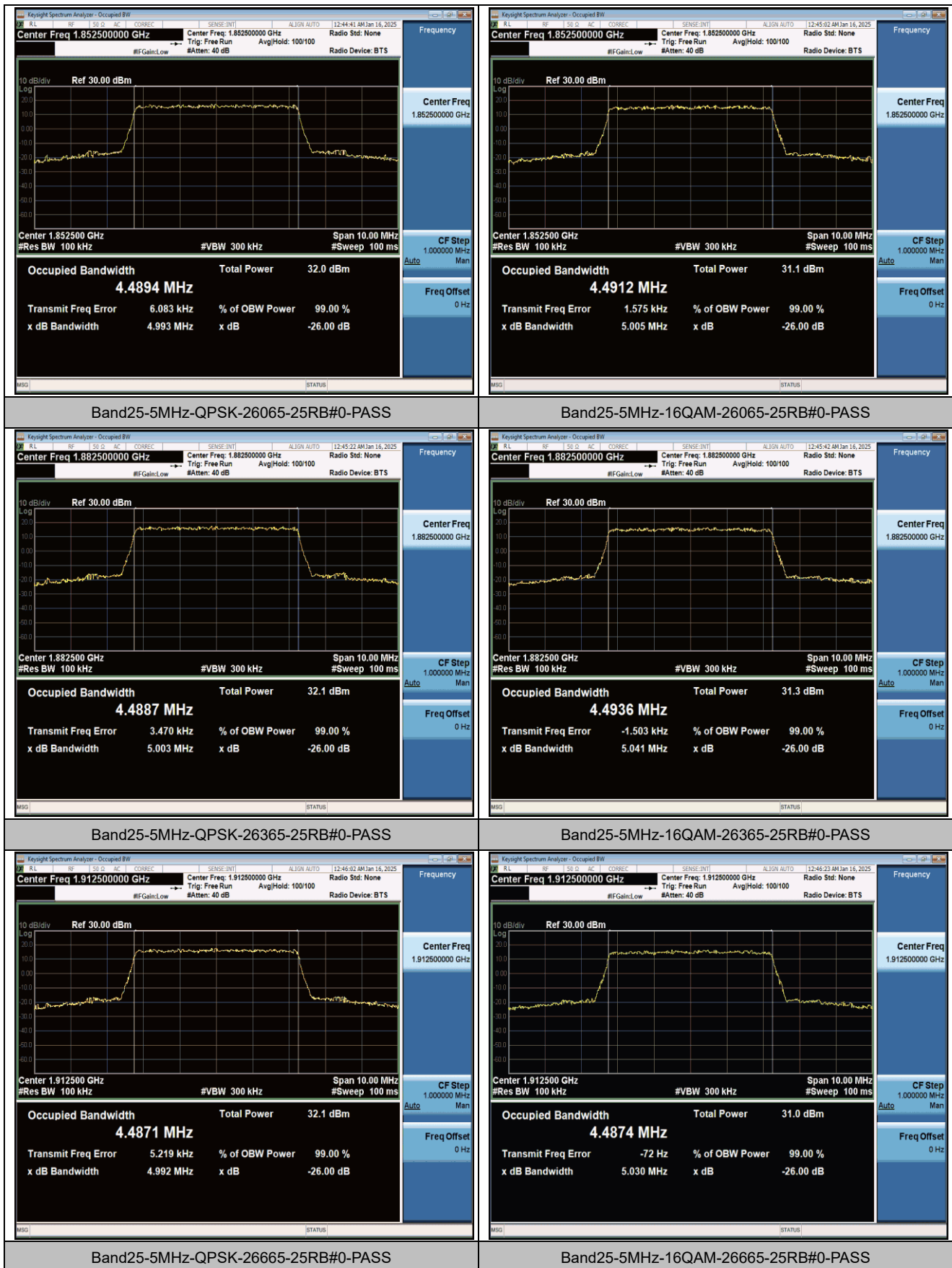
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0908	1.270	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0957	1.293	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0893	1.275	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0971	1.286	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0907	1.282	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0949	1.277	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6956	2.969	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6924	2.974	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.6998	2.966	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6903	2.971	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6921	2.966	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6882	2.973	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.4894	4.993	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.4912	5.005	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.4887	5.003	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.4936	5.041	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.4871	4.992	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.4874	5.030	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9826	9.800	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.9443	9.790	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.9868	9.876	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9578	9.782	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9898	9.854	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9644	9.784	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.446	14.70	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.421	14.64	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.475	14.76	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.448	14.72	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.463	14.62	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.443	14.74	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.970	19.33	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.911	19.39	PASS
Band25	20MHz	QPSK	26365	100RB#0	18.037	19.46	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.932	19.50	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.952	19.41	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.932	19.42	PASS

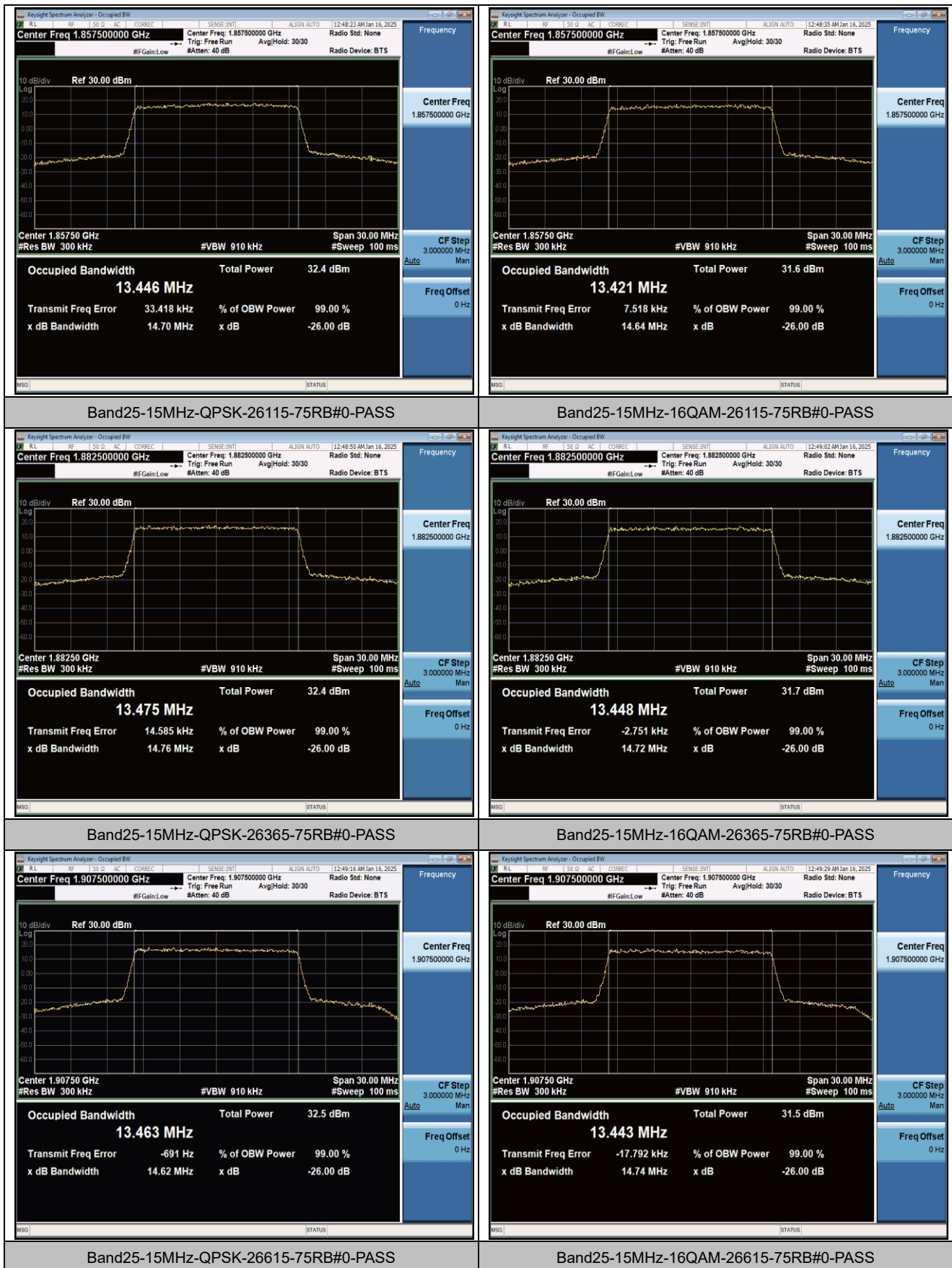
Test Graphs

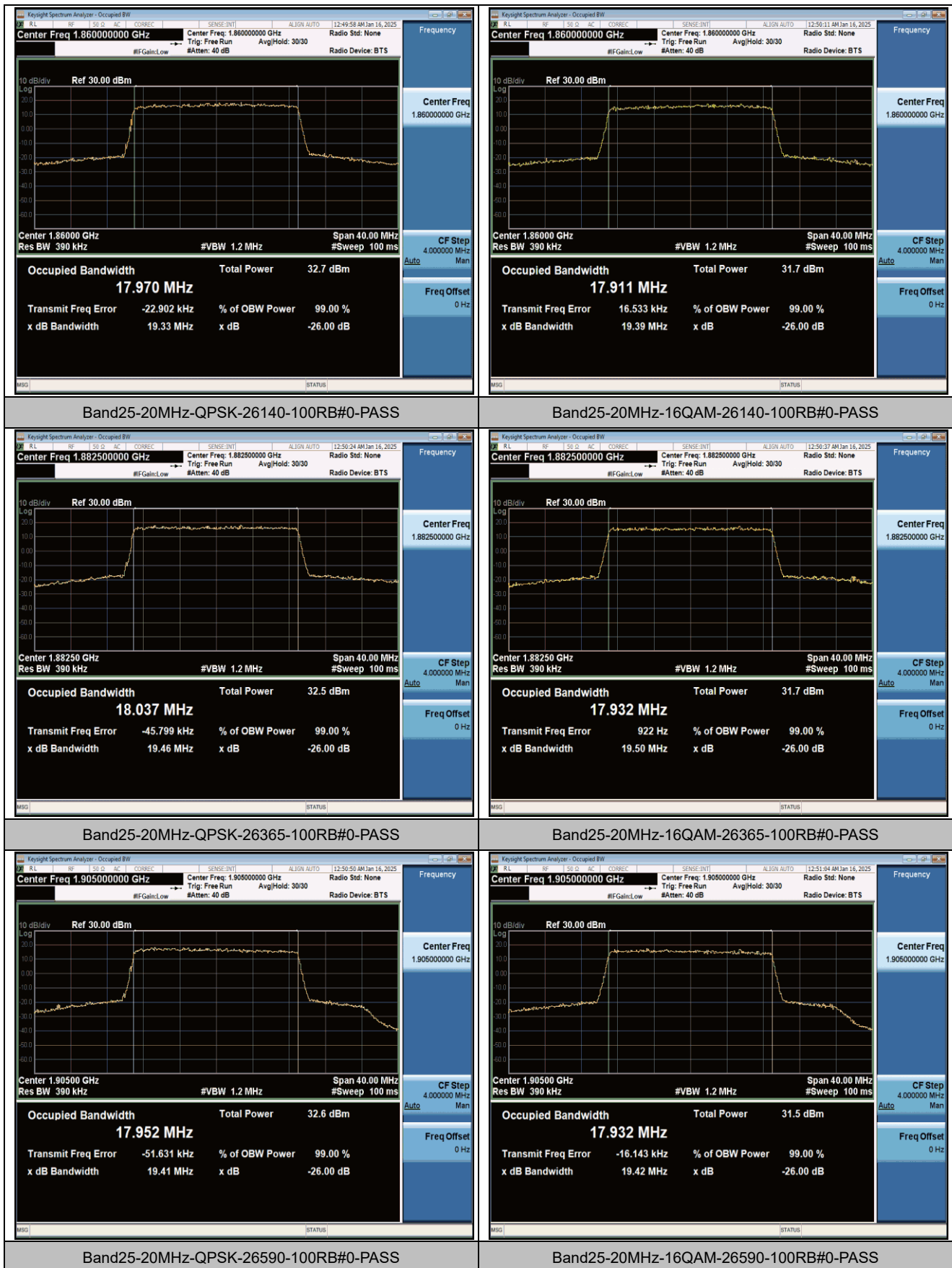






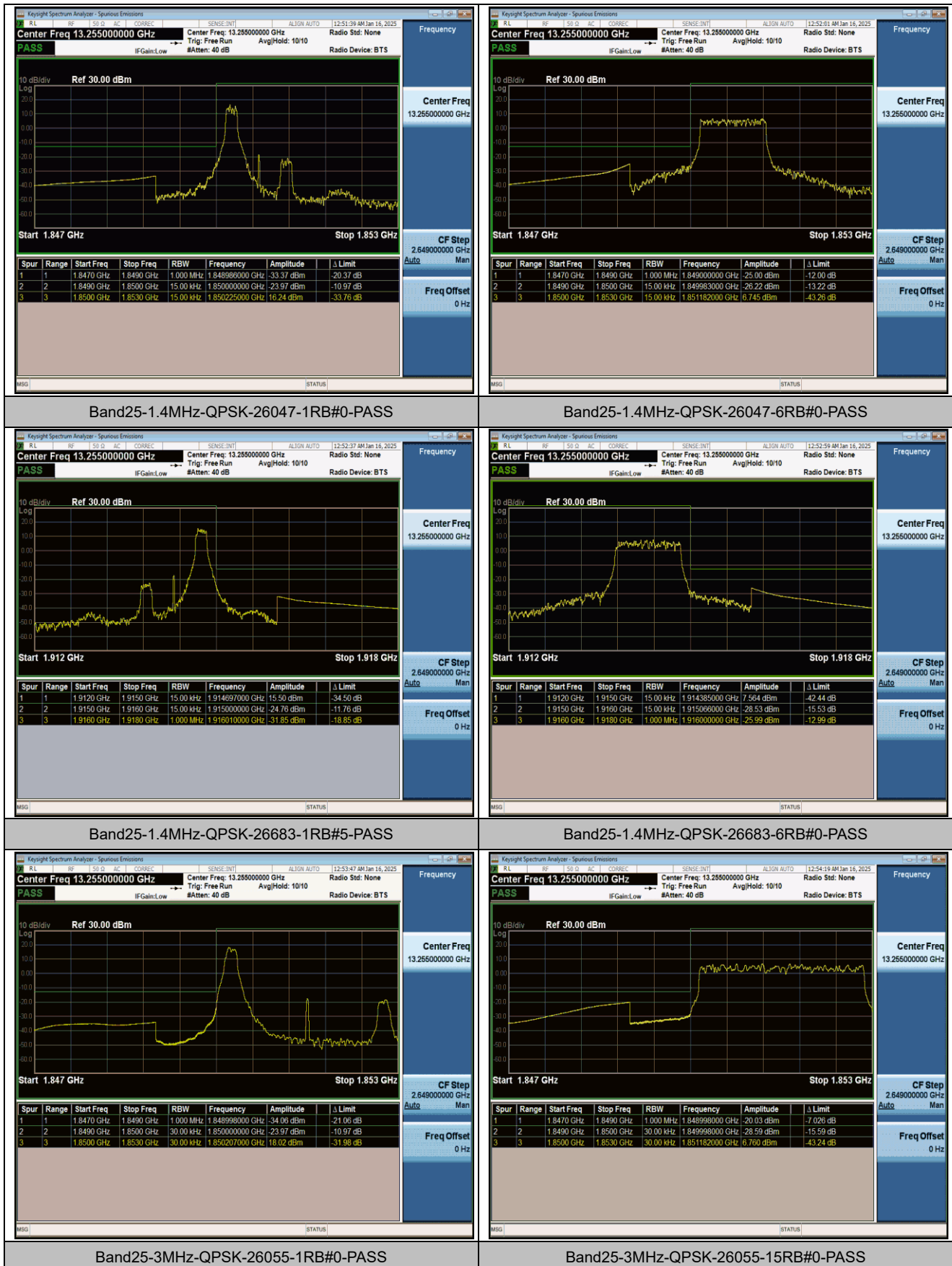


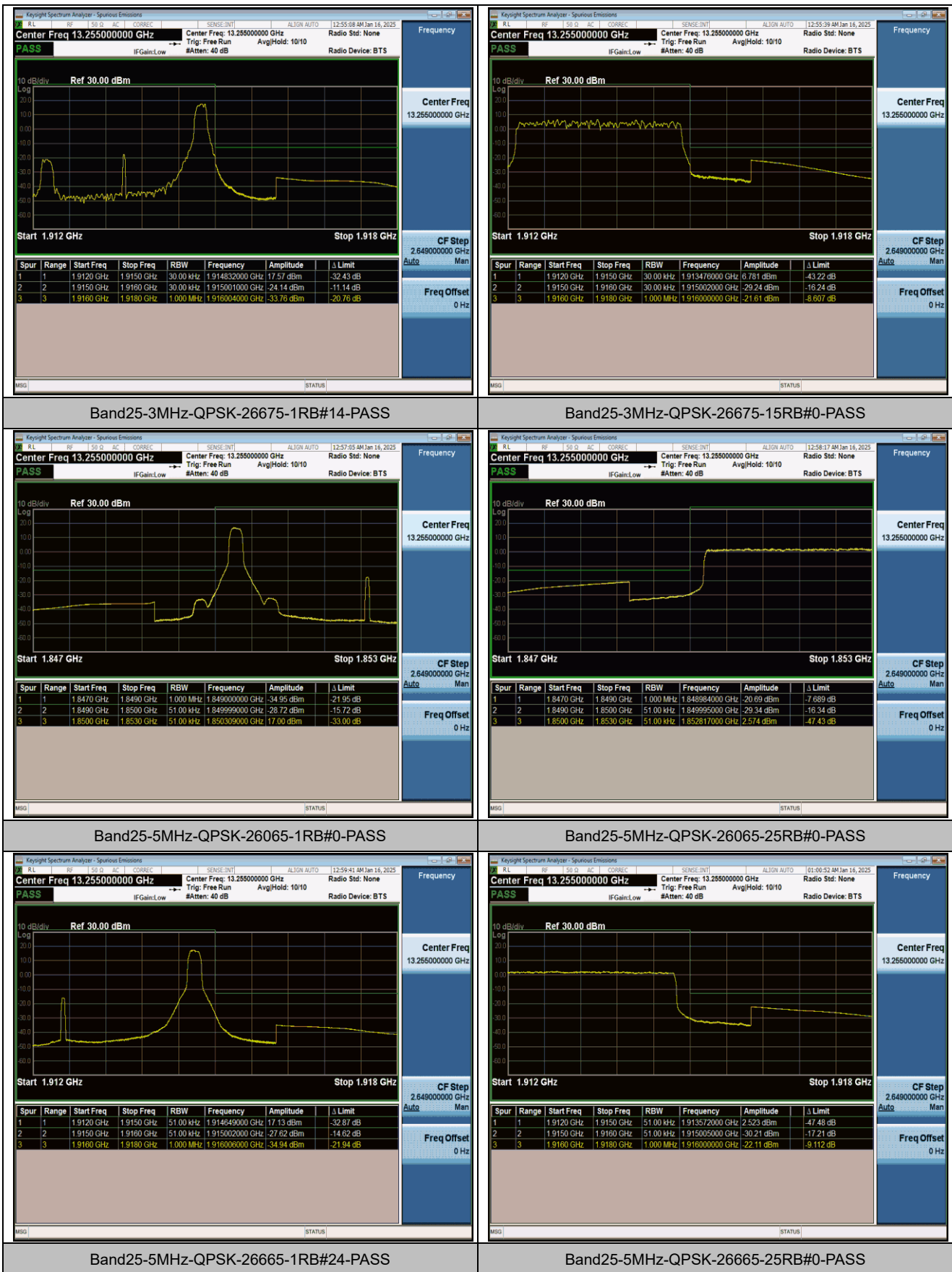


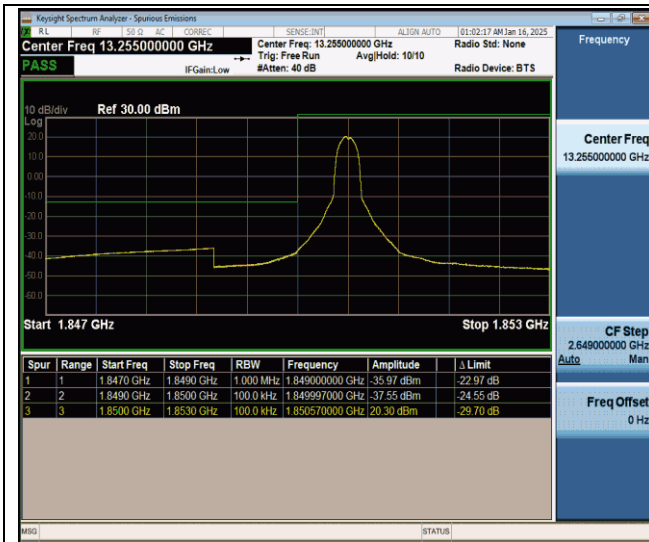


Band Edge

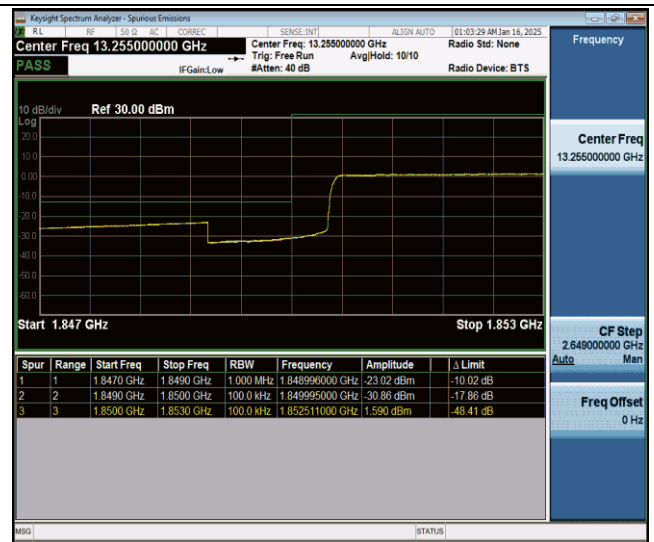
Test Graphs



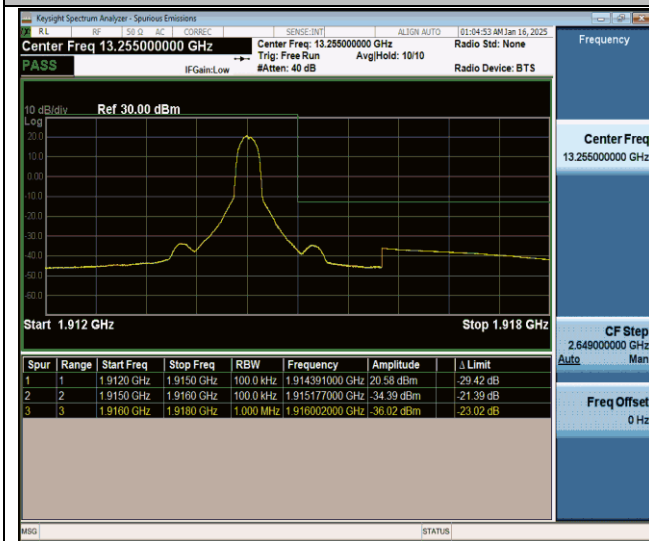




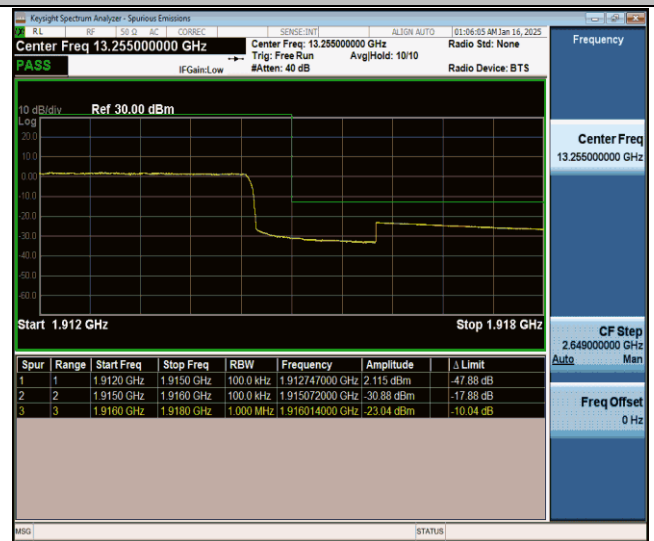
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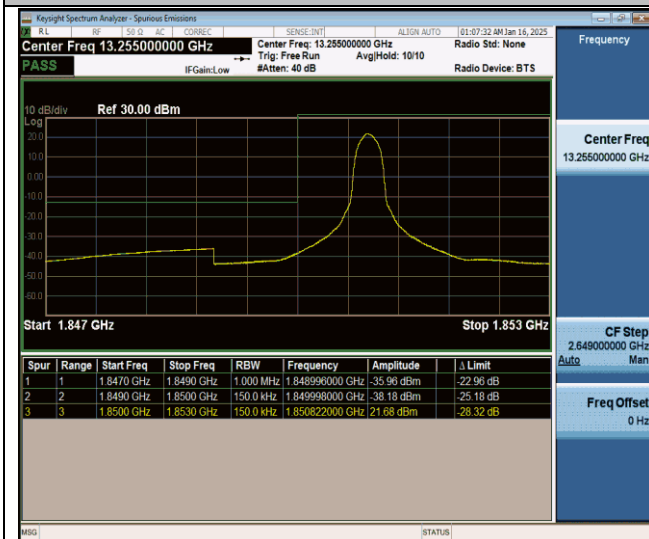
Band25-10MHz-QPSK-26090-50RB#0-PASS



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



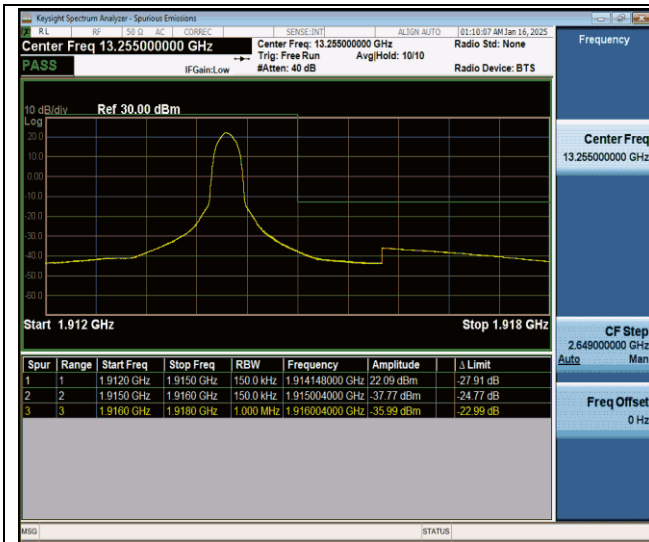
Band25-10MHz-QPSK-26640-50RB#0-PASS



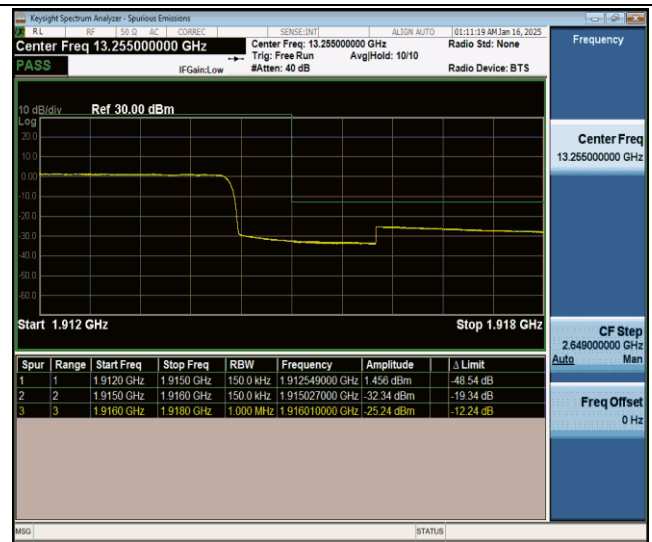
Band25-15MHz-QPSK-26115-1RB#0-PASS



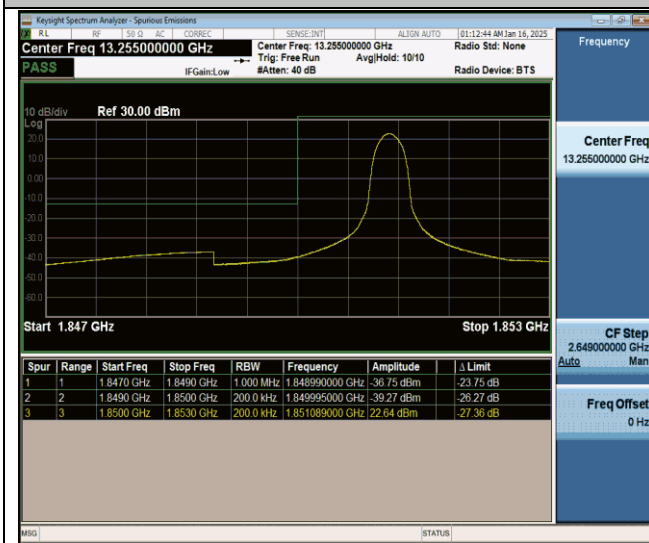
Band25-15MHz-QPSK-26115-75RB#0-PASS



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



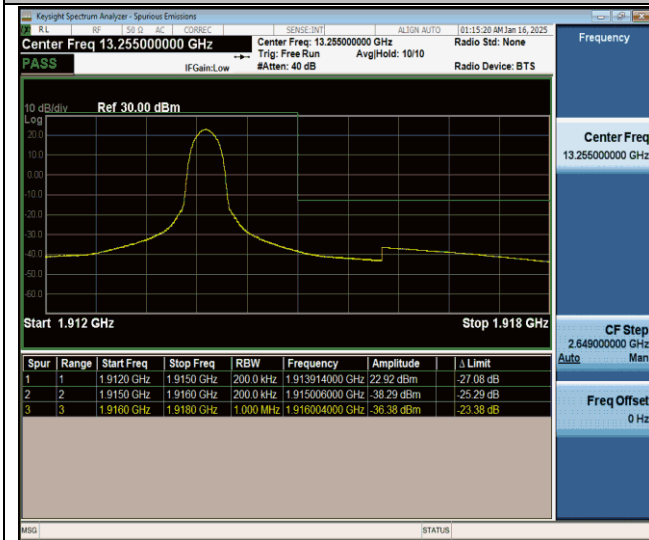
Band25-15MHz-QPSK-26615-75RB#0-PASS



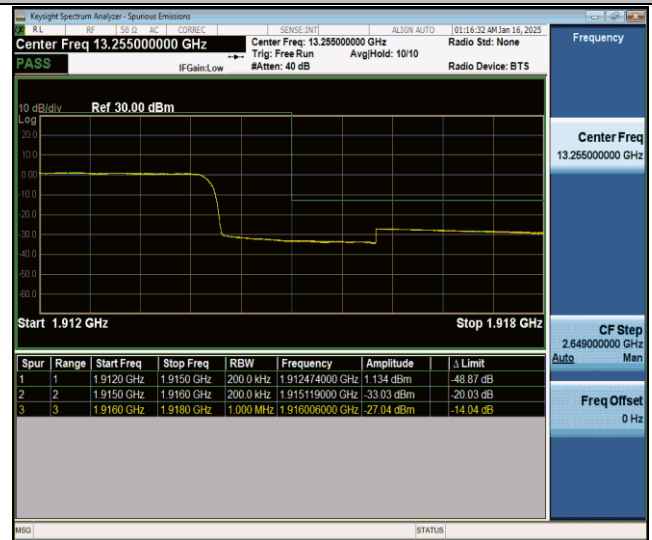
Band25-20MHz-QPSK-26140-1RB#0-PASS



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



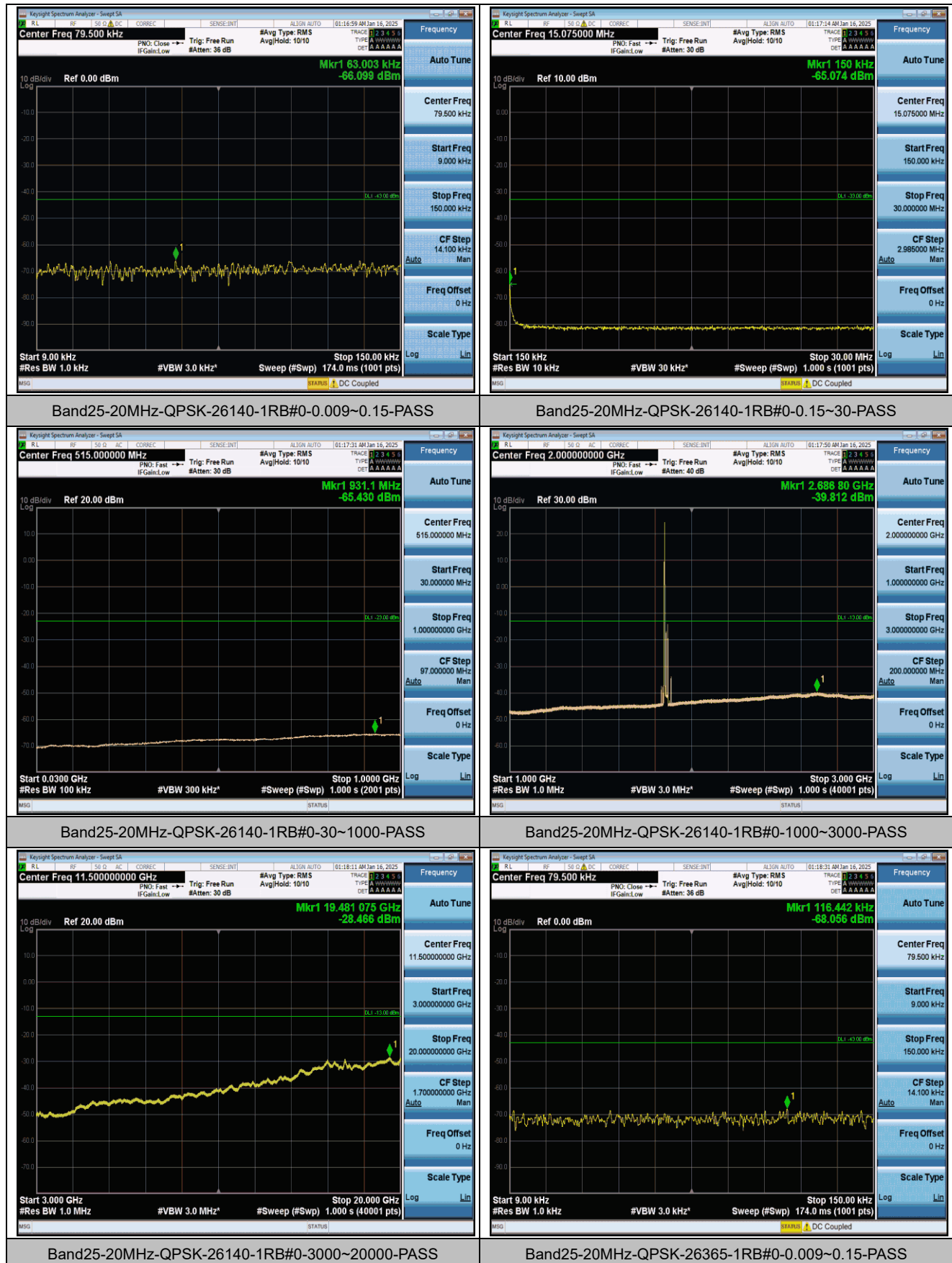
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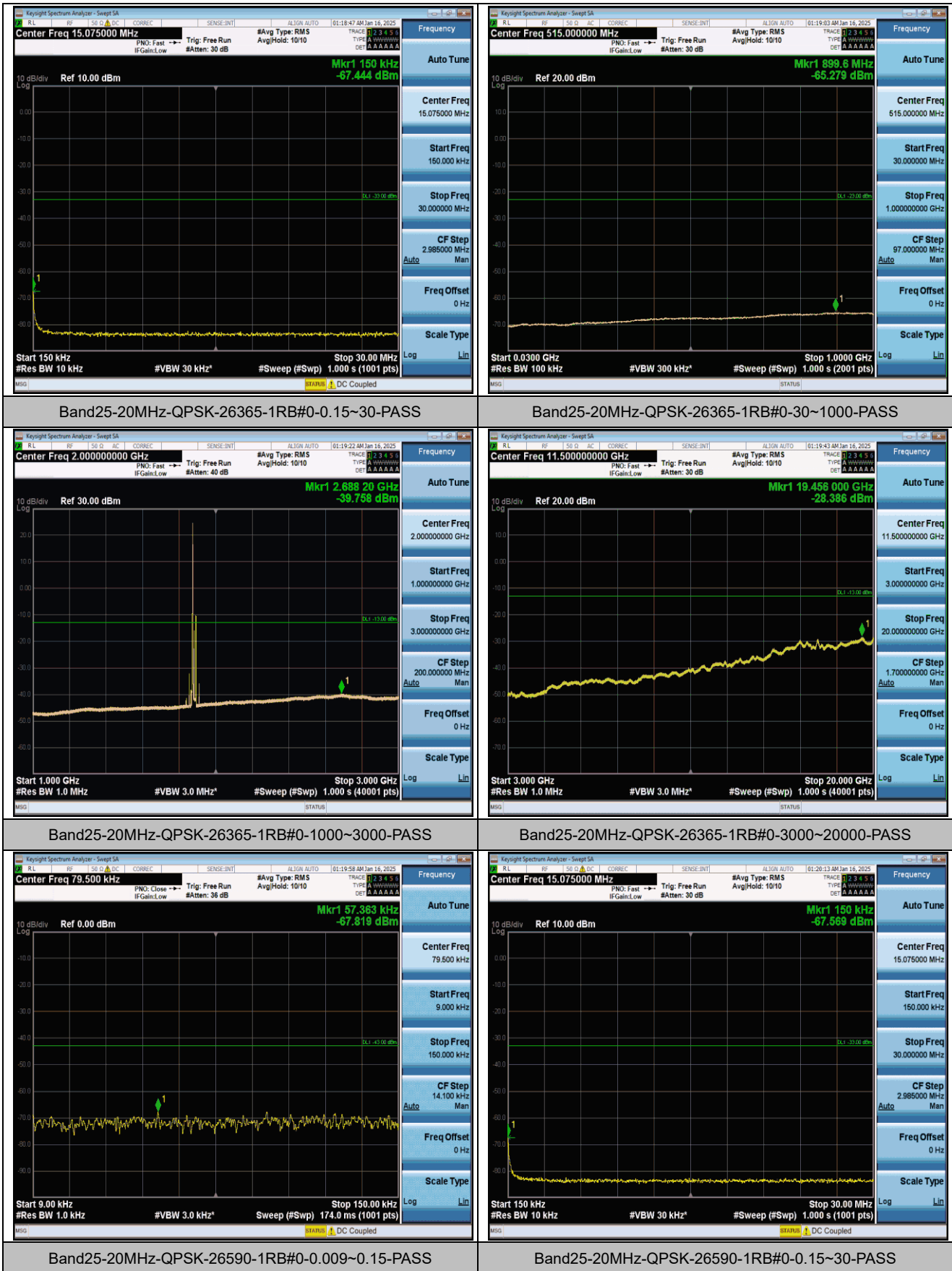


Band25-20MHz-QPSK-26590-100RB#0-PASS

Conducted Spurious Emission

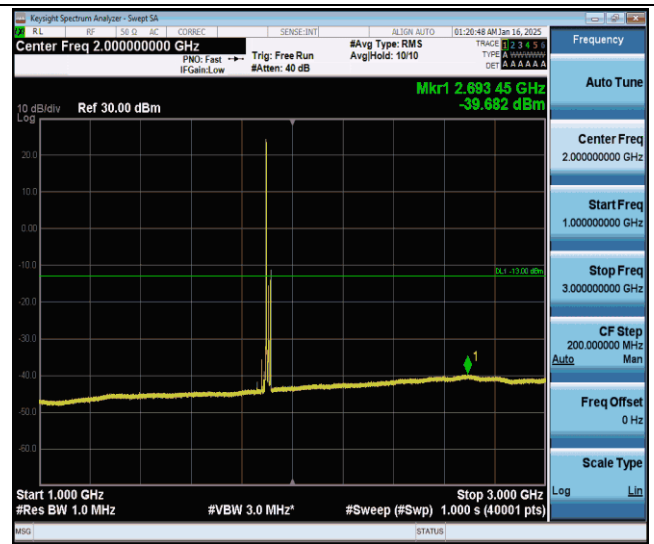
Test Graphs







Band25-20MHz-QPSK-26590-1RB#0-30~1000-PASS



Band25-20MHz-QPSK-26590-1RB#0-1000~3000-PASS



Band25-20MHz-QPSK-26590-1RB#0-3000~20000-PASS

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	2.70	0.001434	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	0.30	0.000159	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	1.80	0.000956	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	2.10	0.001116	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	1.30	0.000691	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	2.70	0.001434	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	2.10	0.001116	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	3.10	0.001647	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	0.00	0.000000	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	1.20	0.000637	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	1.50	0.000797	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	1.80	0.000956	PASS

~The End~