

Appendix-A LTE Band 2

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.9	24.49	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23	24.59	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.01	24.6	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.14	23.73	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.87	23.46	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.3	23.89	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.86	23.45	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21	22.59	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.87	24.46	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.97	24.56	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.88	24.47	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.79	23.38	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.93	23.52	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.88	23.47	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.88	23.47	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.94	22.53	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.42	25.01	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.54	25.13	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.44	25.03	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.49	24.08	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.55	24.14	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.53	24.12	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.45	24.04	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.66	23.25	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.9	24.49	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.92	24.51	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.76	24.35	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.88	23.47	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.97	23.56	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.28	23.87	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.94	23.53	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.96	22.55	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.75	24.34	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.91	24.5	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.7	24.29	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.79	23.38	33.00	PASS

Band2	3MHz	16QAM	18900	1RB#0	21.91	23.5	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.76	23.35	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.77	23.36	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.83	22.42	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.51	25.1	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.46	25.05	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.38	24.97	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.63	24.22	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.46	24.05	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.6	24.19	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.47	24.06	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.63	23.22	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.19	24.78	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.81	24.4	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.16	24.75	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.22	23.81	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.21	23.8	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.98	23.57	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.52	24.11	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.11	22.7	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.99	24.58	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.74	24.33	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.03	24.62	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.01	23.6	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.14	23.73	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.64	23.23	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.89	23.48	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.92	22.51	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.66	25.25	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.41	25	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.5	25.09	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.61	24.2	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.82	24.41	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.63	24.22	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.69	24.28	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.69	23.28	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.34	24.93	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.18	24.77	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.76	25.35	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.48	24.07	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.27	23.86	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.34	23.93	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.1	24.69	33.00	PASS
Band2	10MHz	16QAM	18650	27RB#0	21.18	22.77	33.00	PASS

Band2	10MHz	QPSK	18900	1RB#0	23.19	24.78	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23	24.59	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.2	24.79	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.13	23.72	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.19	23.78	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.27	23.86	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.23	23.82	33.00	PASS
Band2	10MHz	16QAM	18900	27RB#0	21.47	23.06	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.43	25.02	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.5	25.09	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.42	25.01	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.45	24.04	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.83	24.42	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.47	24.06	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.5	24.09	33.00	PASS
Band2	10MHz	16QAM	19150	27RB#0	21.53	23.12	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.01	24.6	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.69	25.28	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	24.03	25.62	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.66	24.25	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.34	23.93	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.73	24.32	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.35	24.94	33.00	PASS
Band2	15MHz	16QAM	18675	27RB#0	21.55	23.14	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.24	24.83	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.14	24.73	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.58	25.17	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.24	23.83	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.55	24.14	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.32	23.91	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.57	24.16	33.00	PASS
Band2	15MHz	16QAM	18900	27RB#0	21.56	23.15	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.5	25.09	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.49	25.08	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.41	25	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.59	24.18	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.99	24.58	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.61	24.2	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.52	24.11	33.00	PASS
Band2	15MHz	16QAM	19125	27RB#0	21.74	23.33	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.07	24.66	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.77	25.36	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.96	25.55	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.72	24.31	33.00	PASS

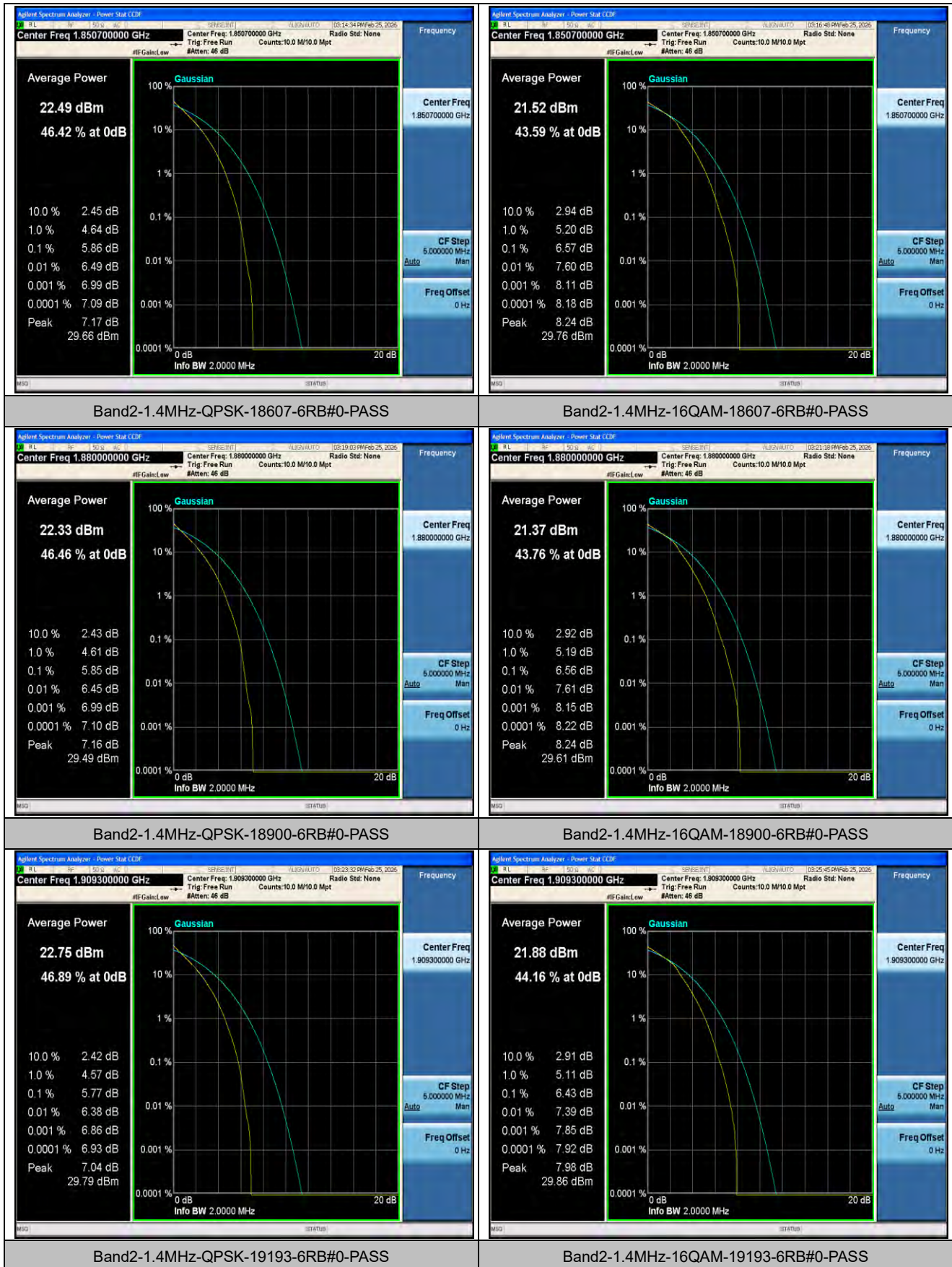
Band2	20MHz	16QAM	18700	1RB#0	22.48	24.07	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.05	24.64	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.92	24.51	33.00	PASS
Band2	20MHz	16QAM	18700	27RB#0	21.33	22.92	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.5	25.09	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.12	24.71	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.83	25.42	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.41	24	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.83	24.42	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.12	23.71	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	23	24.59	33.00	PASS
Band2	20MHz	16QAM	18900	27RB#0	21.73	23.32	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.7	25.29	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.61	25.2	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.52	25.11	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.74	24.33	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.09	24.68	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.49	24.08	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.51	24.1	33.00	PASS
Band2	20MHz	16QAM	19100	27RB#0	22.06	23.65	33.00	PASS

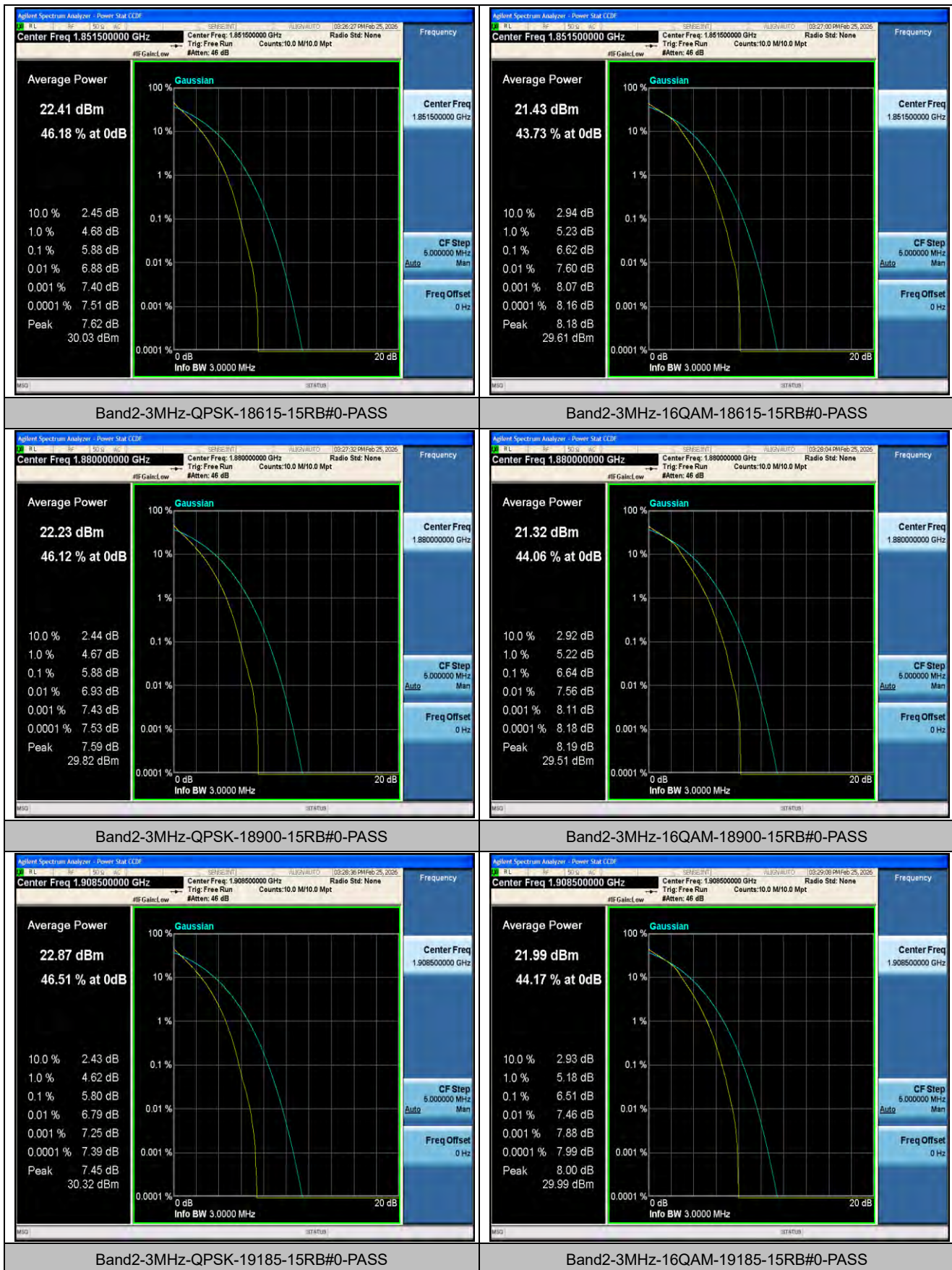
Peak-to-Average Ratio(CCDF)

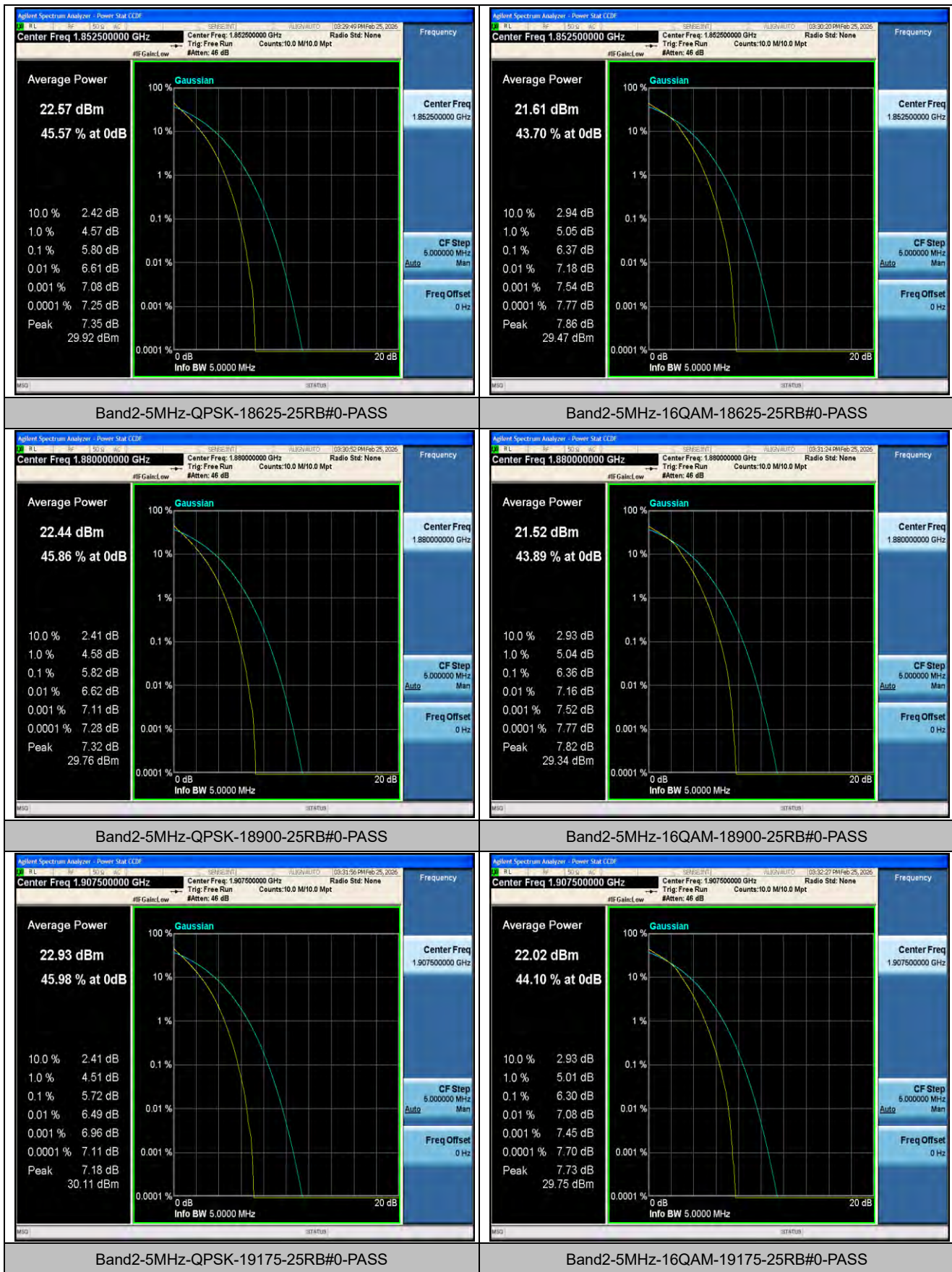
Test Result

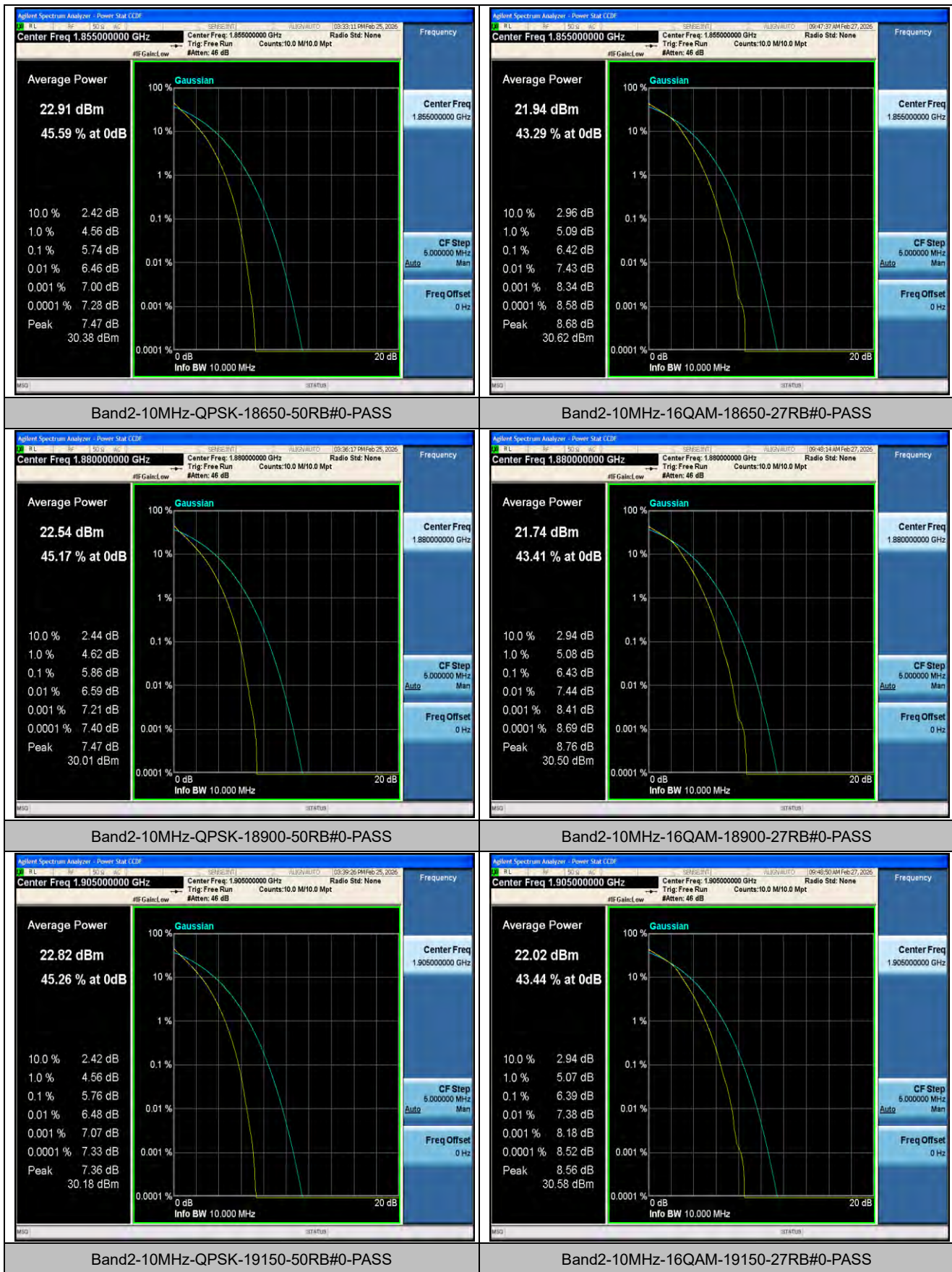
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.86	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.57	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.85	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.56	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.77	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.43	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.88	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.62	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.88	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.64	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.80	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.51	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.80	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.37	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.82	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.36	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.72	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.30	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.74	13	PASS
Band2	10MHz	16QAM	18650	27RB#0	6.42	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.86	13	PASS
Band2	10MHz	16QAM	18900	27RB#0	6.43	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.76	13	PASS
Band2	10MHz	16QAM	19150	27RB#0	6.39	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.35	13	PASS
Band2	15MHz	16QAM	18675	27RB#0	6.32	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.44	13	PASS
Band2	15MHz	16QAM	18900	27RB#0	6.34	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.34	13	PASS
Band2	15MHz	16QAM	19125	27RB#0	6.31	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.70	13	PASS
Band2	20MHz	16QAM	18700	27RB#0	6.41	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.78	13	PASS
Band2	20MHz	16QAM	18900	27RB#0	6.37	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.67	13	PASS
Band2	20MHz	16QAM	19100	27RB#0	6.40	13	PASS

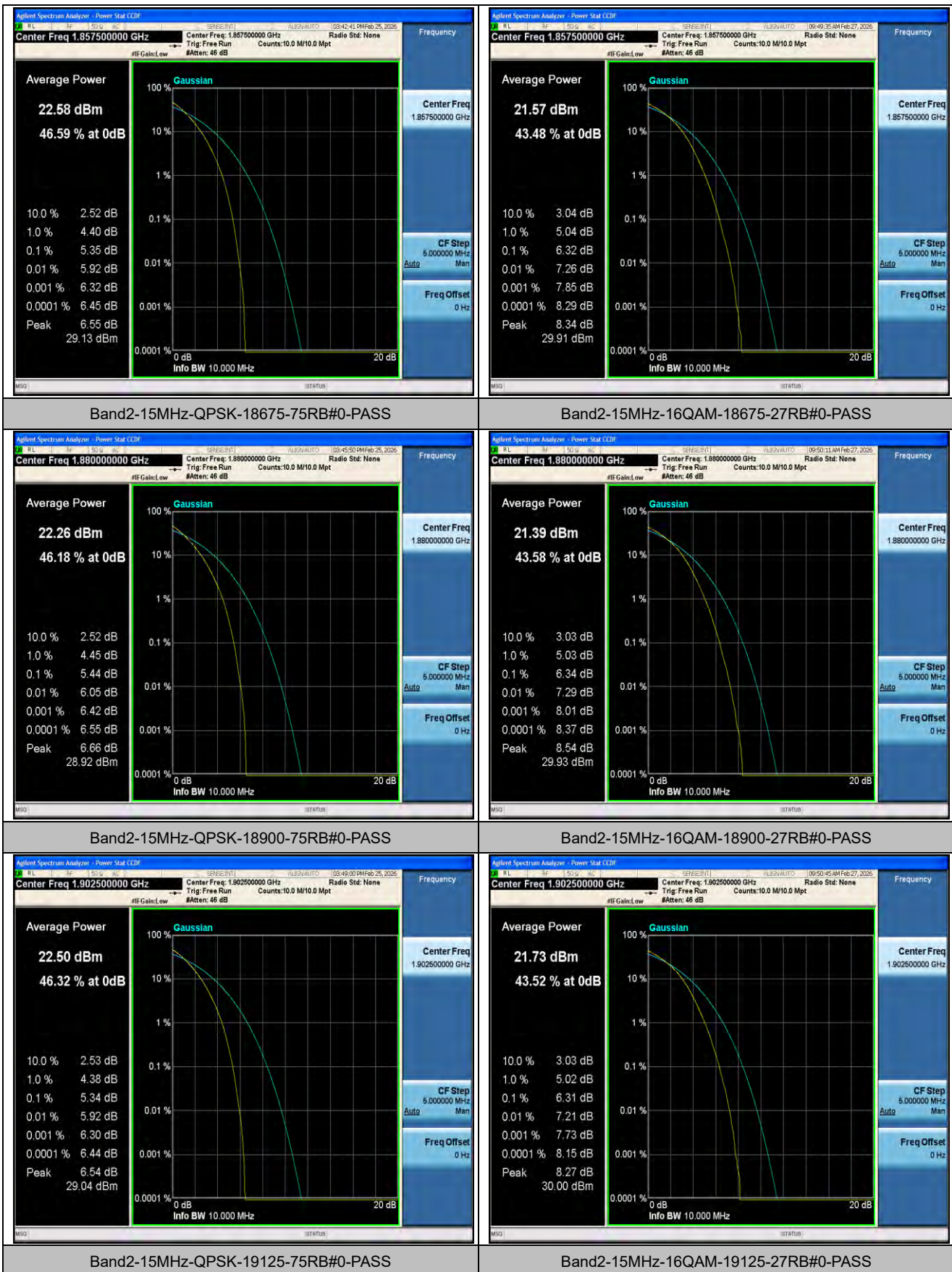
Test Graphs

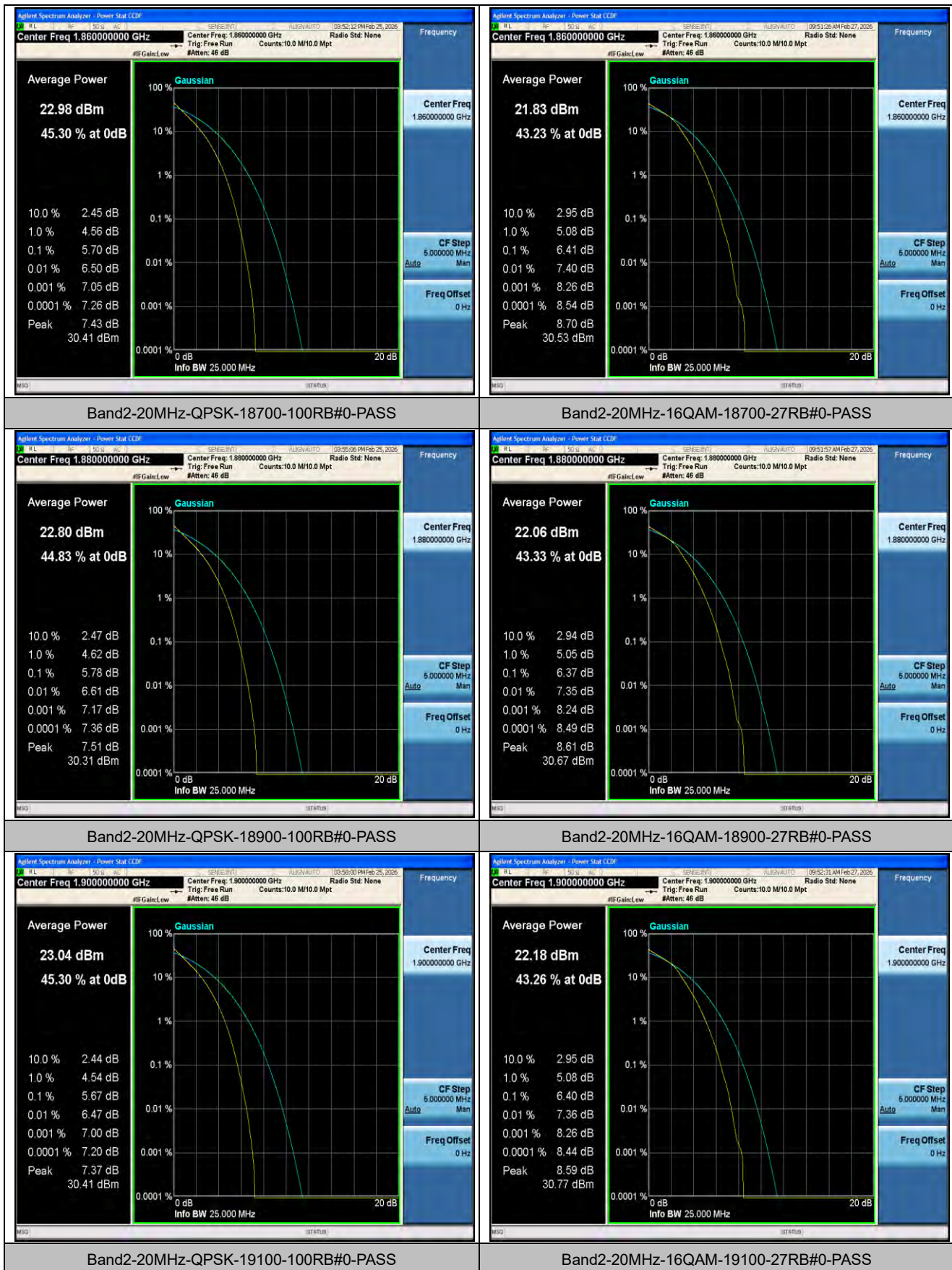










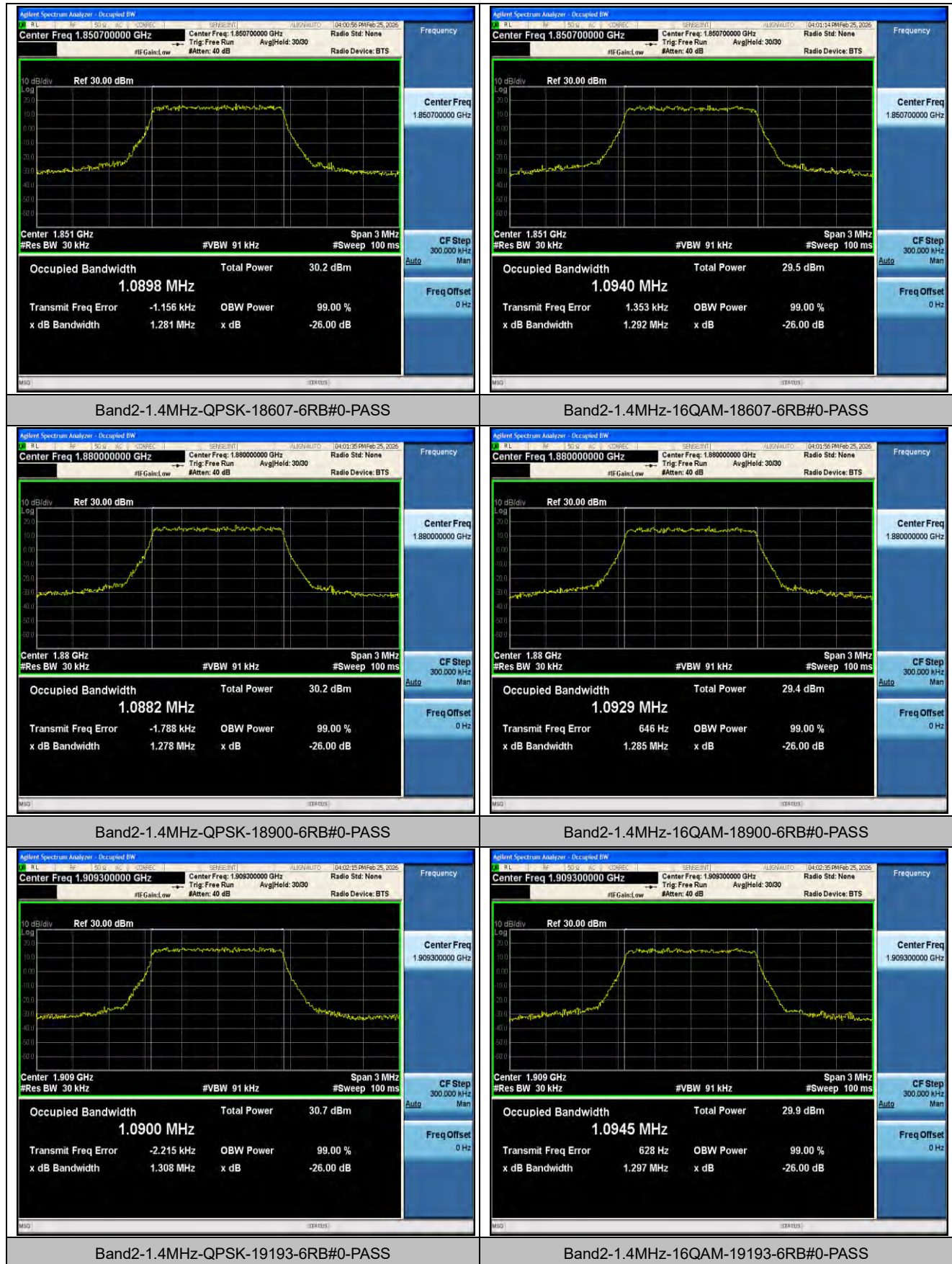


26dB Bandwidth and Occupied Bandwidth

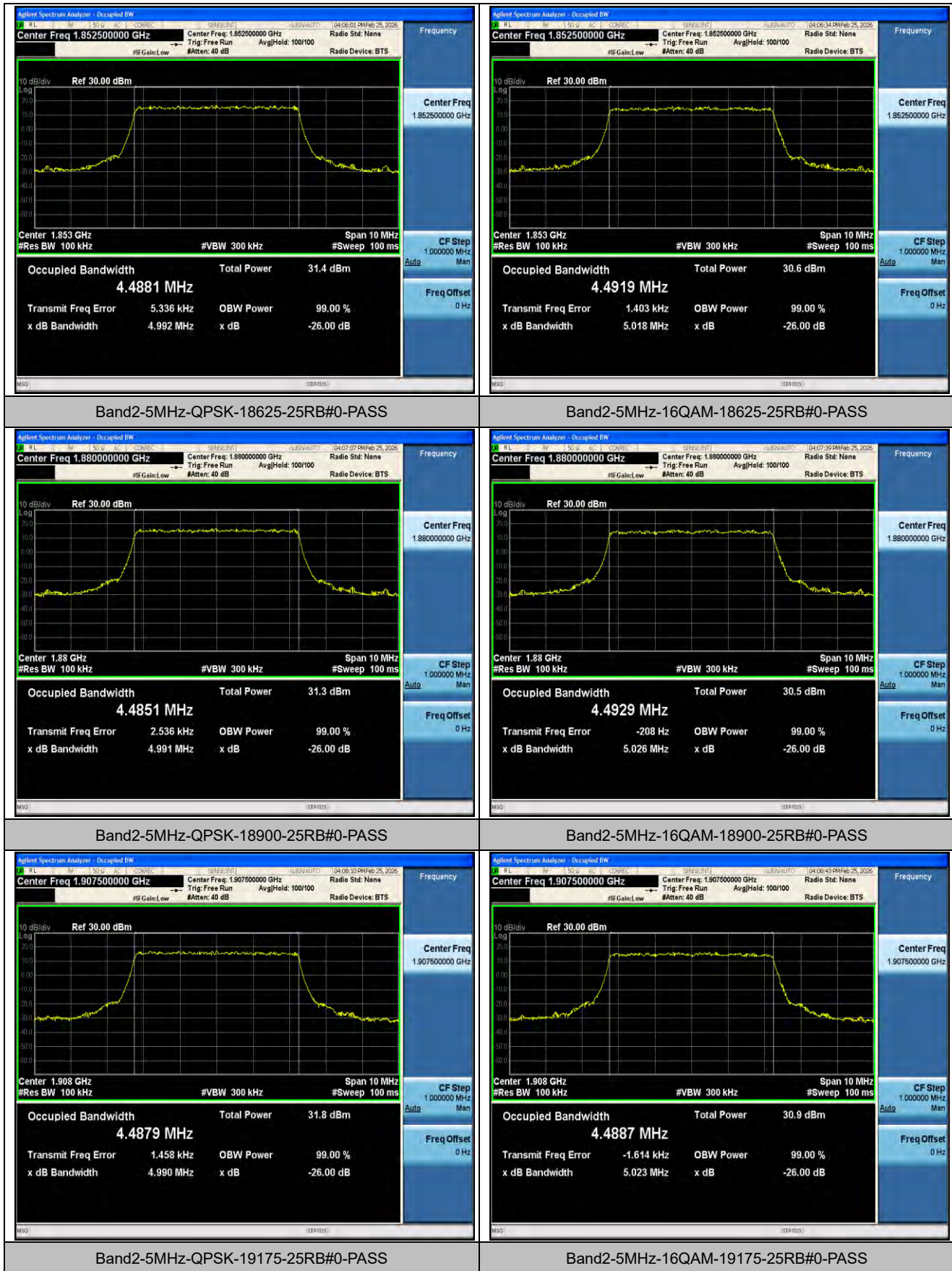
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0898	1.281	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0940	1.292	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0882	1.278	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0929	1.285	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0900	1.308	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0945	1.297	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6956	2.965	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6861	2.979	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6906	2.962	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6848	2.961	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6974	2.950	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6906	2.954	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4881	4.992	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4919	5.018	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4851	4.991	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4929	5.026	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4879	4.990	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4887	5.023	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0026	10.12	PASS
Band2	10MHz	16QAM	18650	27RB#0	4.9792	5.983	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9946	10.14	PASS
Band2	10MHz	16QAM	18900	27RB#0	4.9865	6.129	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0032	10.13	PASS
Band2	10MHz	16QAM	19150	27RB#0	4.9818	6.069	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.503	15.06	PASS
Band2	15MHz	16QAM	18675	27RB#0	5.1639	6.605	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.507	15.16	PASS
Band2	15MHz	16QAM	18900	27RB#0	5.1296	6.677	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.510	15.17	PASS
Band2	15MHz	16QAM	19125	27RB#0	5.1689	6.597	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.921	20.07	PASS
Band2	20MHz	16QAM	18700	27RB#0	5.3551	7.280	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.024	20.17	PASS
Band2	20MHz	16QAM	18900	27RB#0	5.4088	7.076	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.927	19.90	PASS
Band2	20MHz	16QAM	19100	27RB#0	5.3679	7.077	PASS

Test Graphs







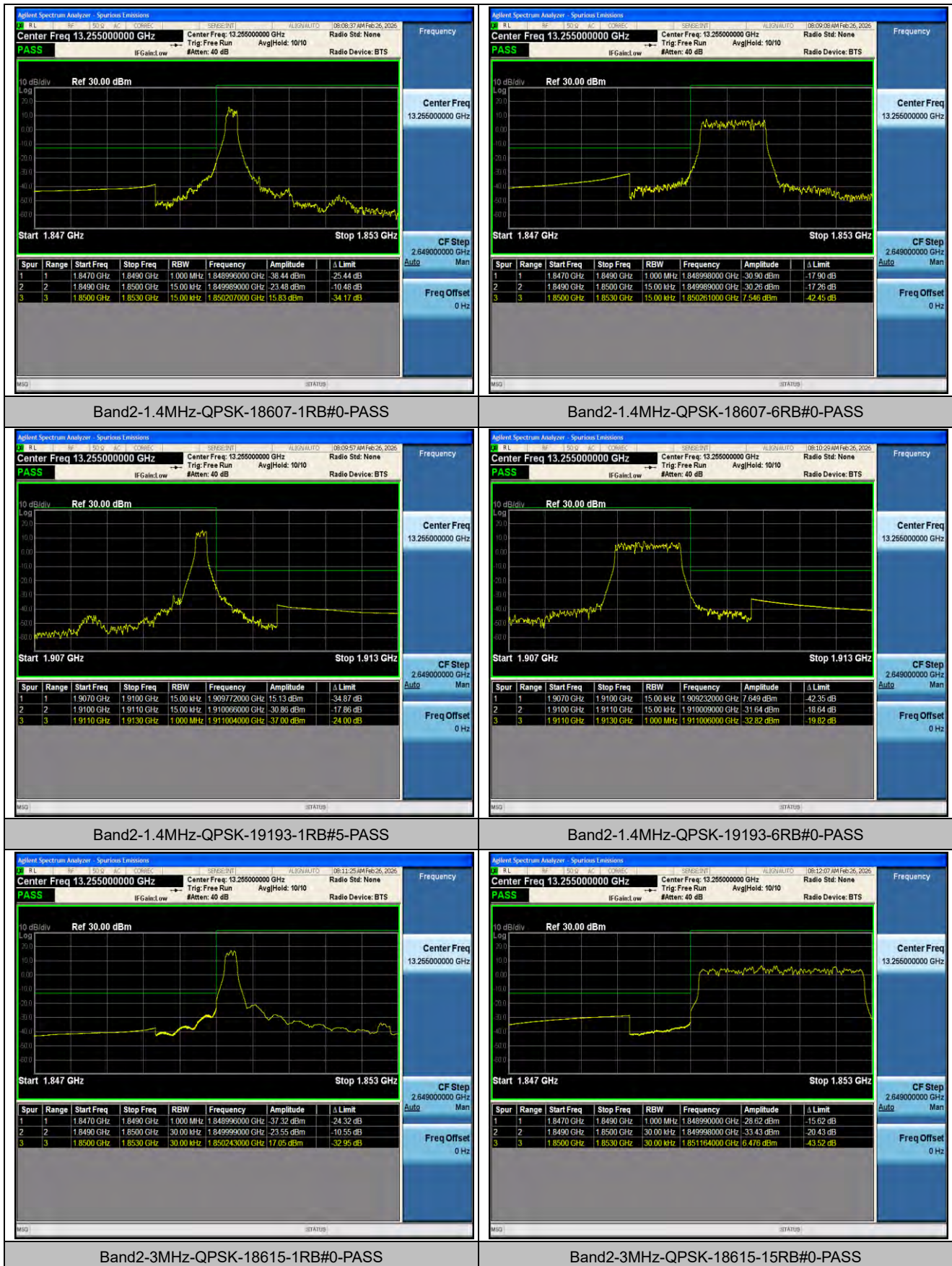






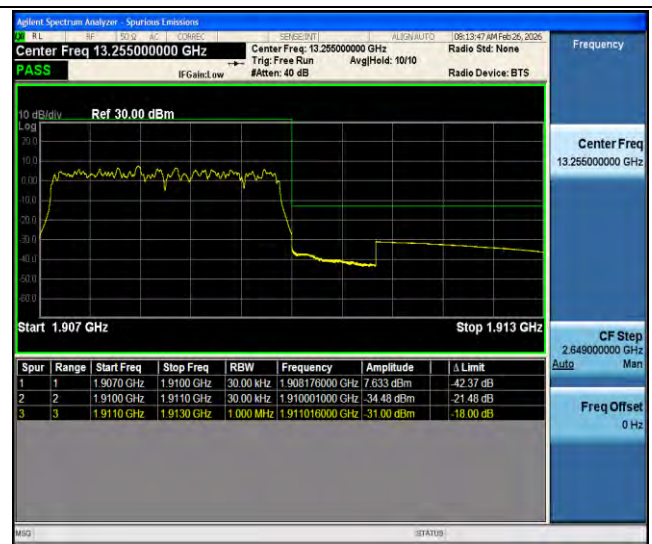
Band Edge

Test Graphs

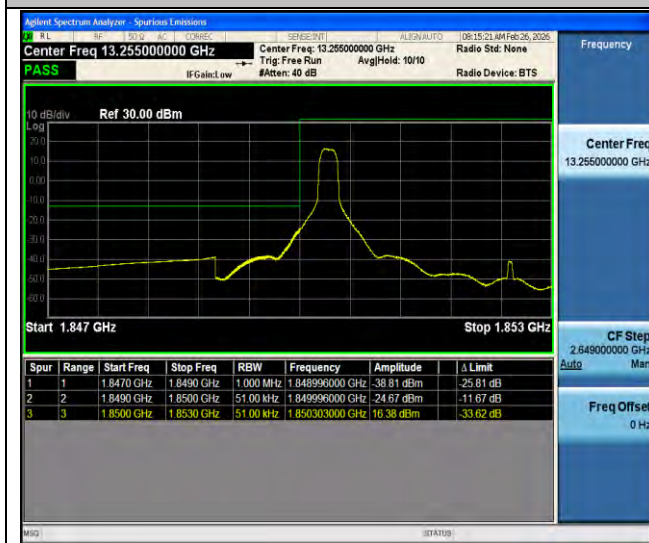




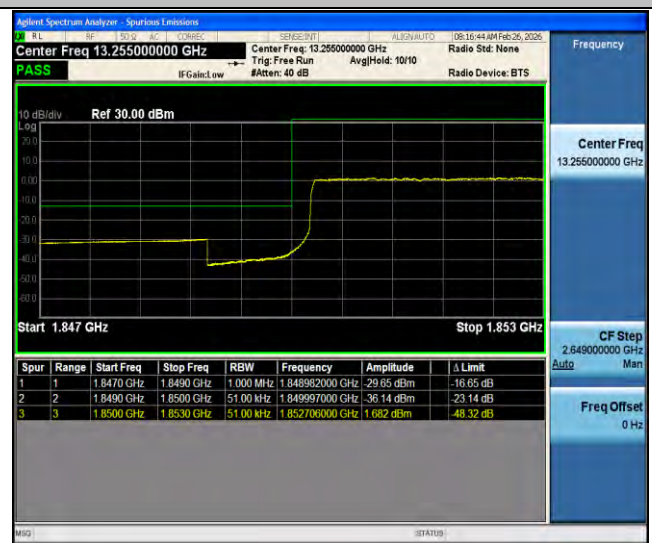
Band2-3MHz-QPSK-19185-1RB#14-PASS



Band2-3MHz-QPSK-19185-15RB#0-PASS



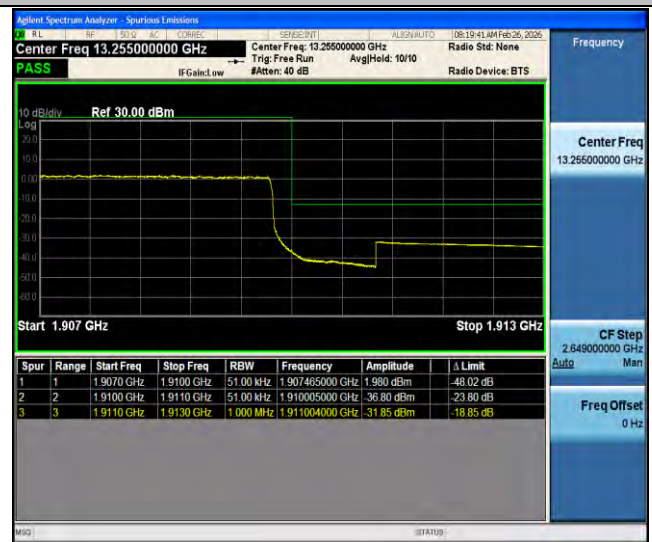
Band2-5MHz-QPSK-18625-1RB#0-PASS



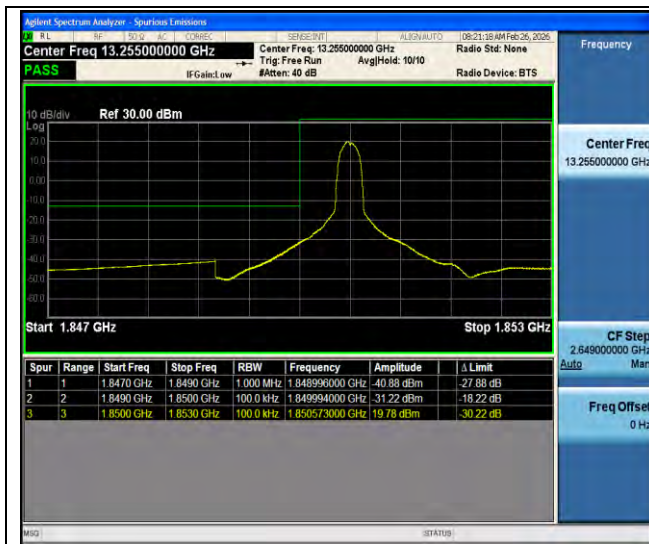
Band2-5MHz-QPSK-18625-25RB#0-PASS



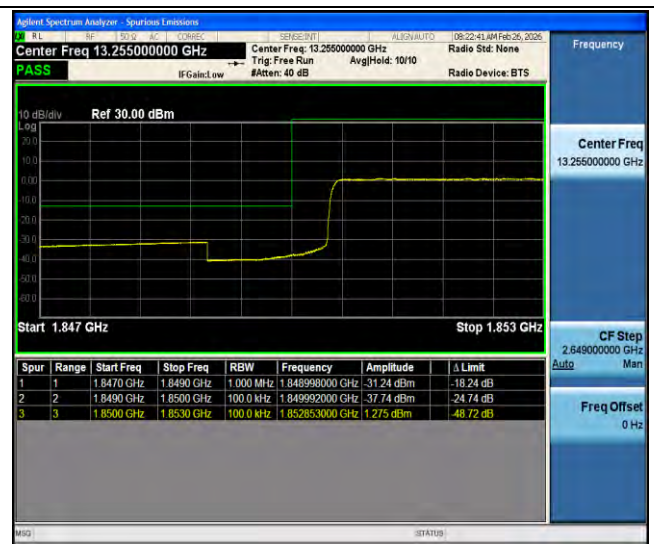
Band2-5MHz-QPSK-19175-1RB#24-PASS



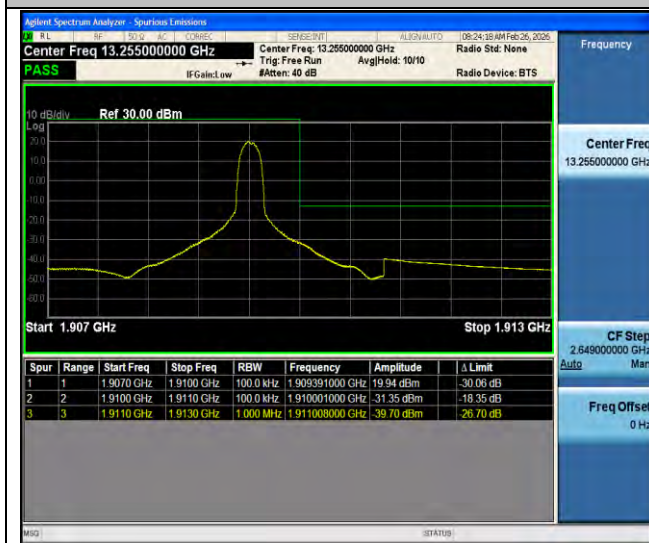
Band2-5MHz-QPSK-19175-25RB#0-PASS



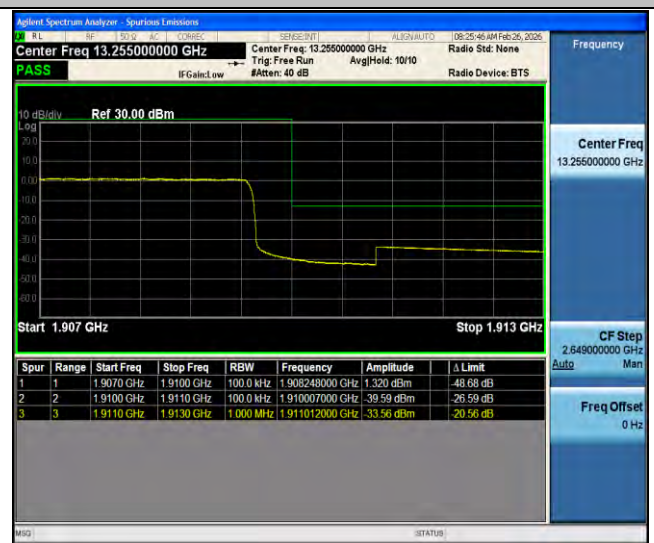
Band2-10MHz-QPSK-18650-1RB#0-PASS



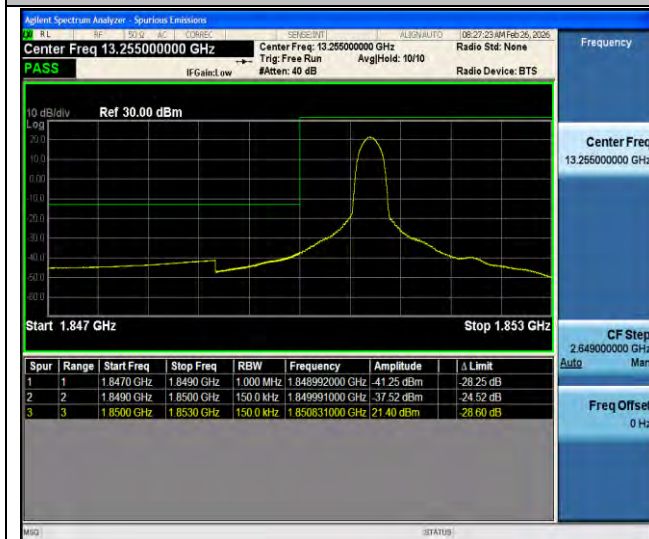
Band2-10MHz-QPSK-18650-50RB#0-PASS



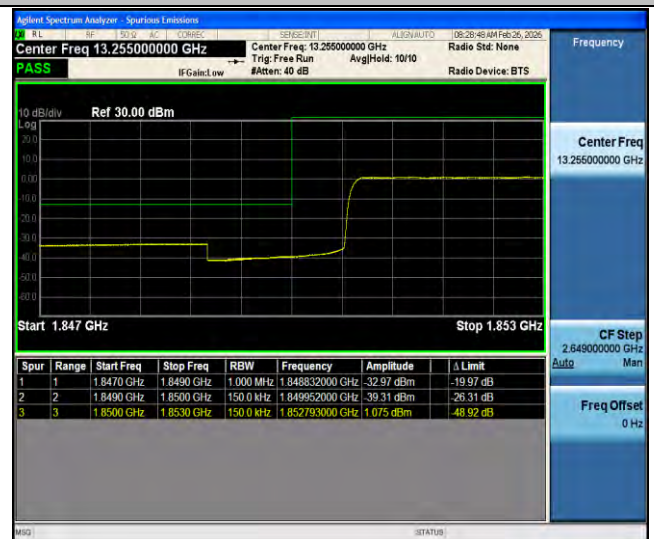
Band2-10MHz-QPSK-19150-1RB#49-PASS



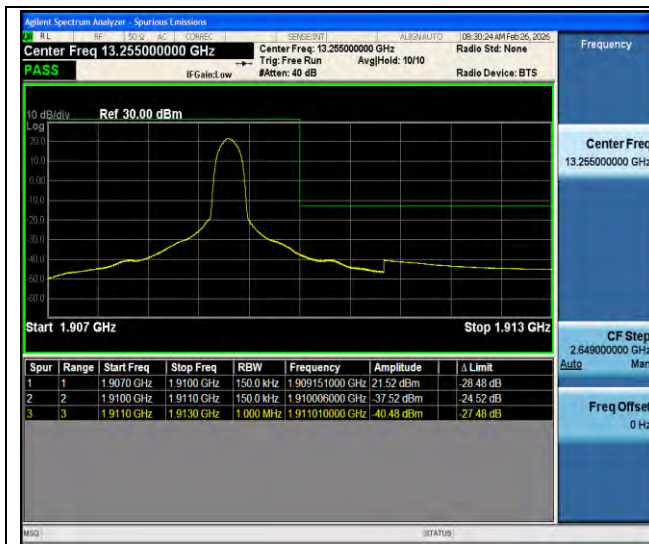
Band2-10MHz-QPSK-19150-50RB#0-PASS



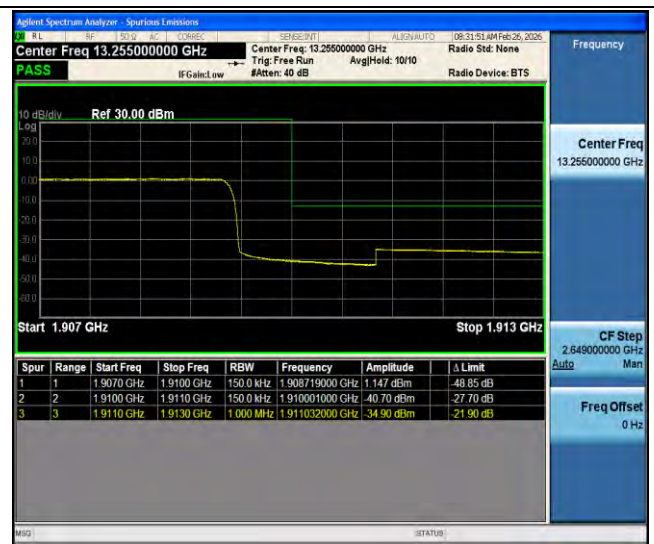
Band2-15MHz-QPSK-18675-1RB#0-PASS



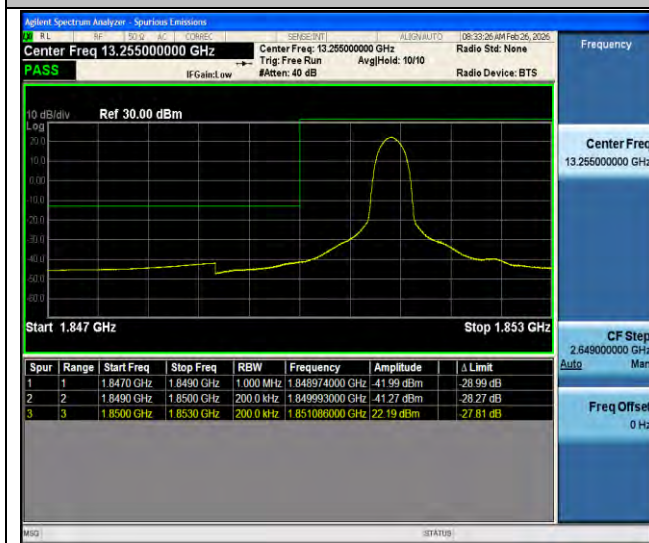
Band2-15MHz-QPSK-18675-75RB#0-PASS



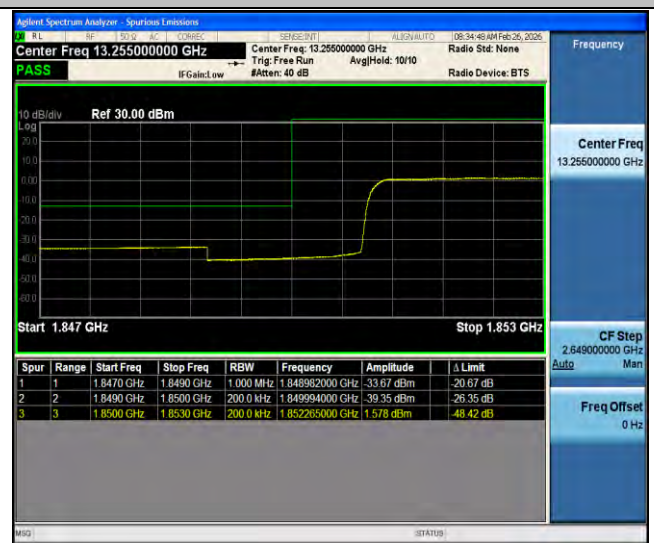
Band2-15MHz-QPSK-19125-1RB#74-PASS



Band2-15MHz-QPSK-19125-75RB#0-PASS



Band2-20MHz-QPSK-18700-1RB#0-PASS



Band2-20MHz-QPSK-18700-100RB#0-PASS



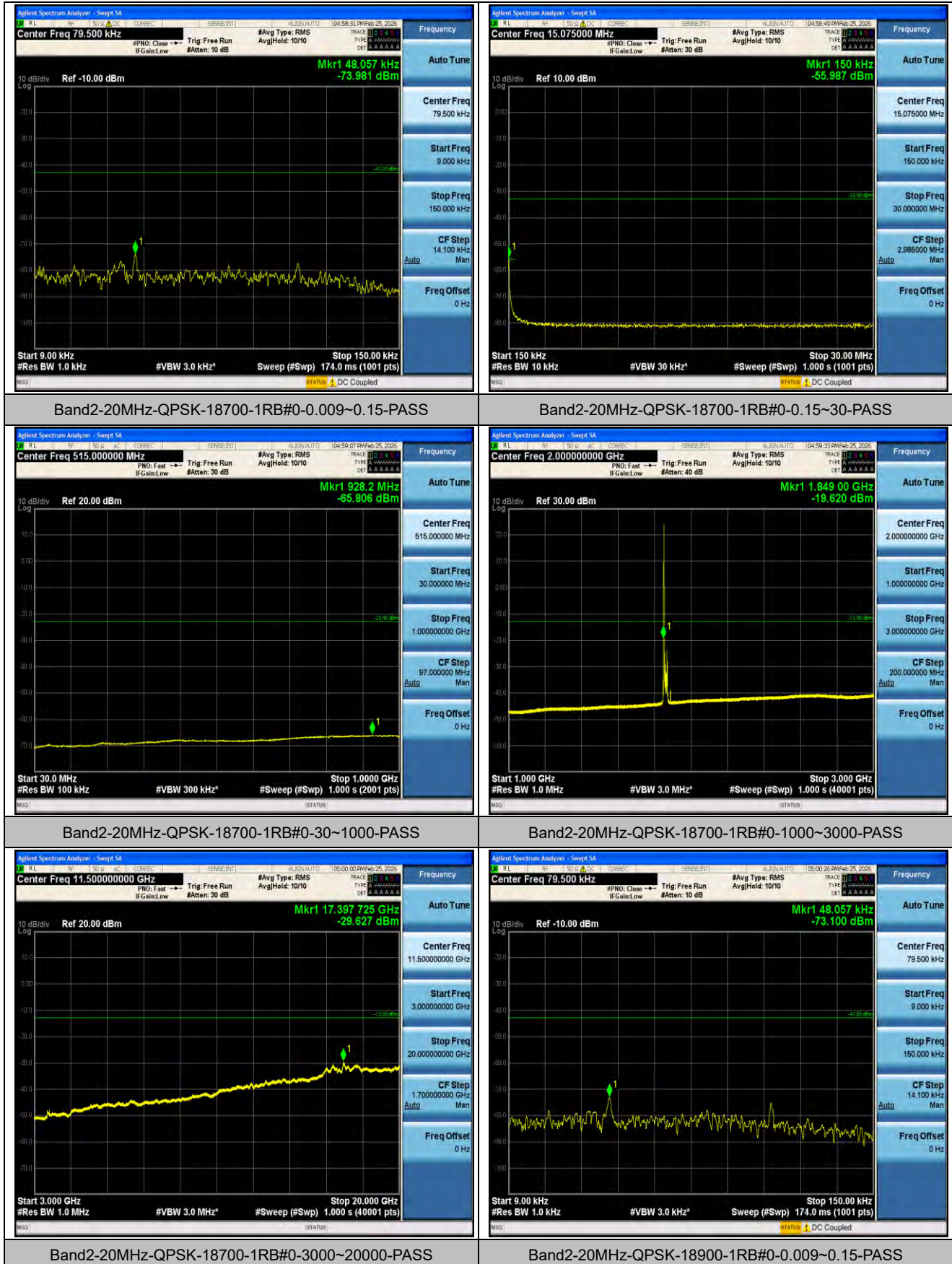
Band2-20MHz-QPSK-19100-1RB#99-PASS



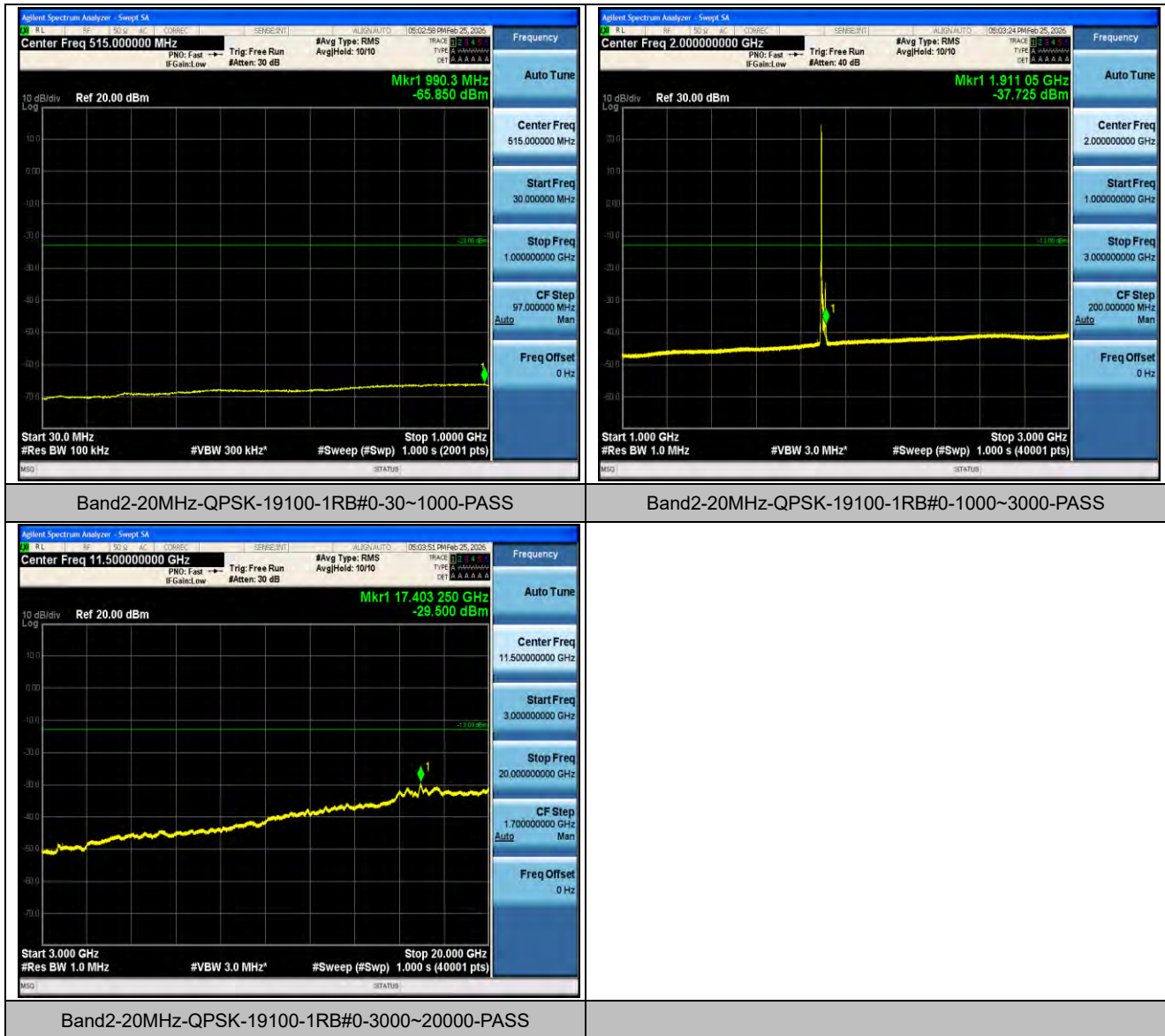
Band2-20MHz-QPSK-19100-100RB#0-PASS

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
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.60	-0.001915	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.70	-0.001968	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-1.90	-0.001011	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-4.00	-0.002128	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	0.40	0.000213	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-1.60	-0.000851	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.30	-0.000691	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	1.20	0.000638	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	1.00	0.000532	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-1.10	-0.000585	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-2.90	-0.001543	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.90	-0.001011	PASS

~The End~