

Appendix-C LTE Band 5

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.62	23.97	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.9	24.25	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.42	23.77	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.83	23.18	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.65	24	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.58	23.93	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.67	24.02	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.81	23.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.37	23.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.36	23.71	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.51	23.86	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.56	22.91	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.66	23.01	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.73	23.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.12	22.47	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.86	22.21	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.74	23.09	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.96	23.31	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.2	22.55	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.03	22.38	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.61	22.96	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.47	22.82	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.59	22.94	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.29	21.64	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.97	22.32	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.78	22.13	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.98	22.33	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.82	21.17	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.57	21.92	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.67	22.02	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.71	22.06	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.86	21.21	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.91	22.26	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.8	22.15	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.88	22.23	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.46	20.81	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.84	24.19	38.45	PASS

Band5	3MHz	QPSK	20415	1RB#8	23.5	23.85	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.61	23.96	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.72	23.07	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.61	23.96	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.64	23.99	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.72	24.07	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.8	23.15	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.64	23.99	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.49	23.84	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.51	23.86	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.65	23	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.03	23.38	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.73	23.08	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.67	23.02	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.7	22.05	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.88	23.23	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.81	23.16	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.05	23.4	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.72	22.07	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.91	23.26	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.85	23.2	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.71	23.06	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.64	21.99	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.87	22.22	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.56	21.91	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.87	22.22	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.86	21.21	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.11	22.46	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.81	22.16	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.95	22.3	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.82	21.17	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.68	22.03	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.55	21.9	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.81	22.16	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.78	21.13	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.76	24.11	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.77	24.12	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.43	23.78	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.81	23.16	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.78	24.13	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.04	24.39	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.71	24.06	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.83	23.18	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.55	23.9	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.57	23.92	38.45	PASS

Band5	5MHz	QPSK	20625	1RB#24	23.31	23.66	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.69	23.04	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.87	23.22	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.79	23.14	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.94	23.29	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.71	22.06	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.72	23.07	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.76	23.11	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.87	23.22	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.58	21.93	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.84	23.19	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.66	23.01	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.2	22.55	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.57	21.92	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.88	22.23	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.47	22.82	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.56	21.91	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.11	21.46	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.59	21.94	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.69	22.04	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.76	22.11	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.84	21.19	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.72	22.07	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.96	22.31	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.2	21.55	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.66	21.01	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.74	24.09	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.86	24.21	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.49	23.84	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.84	23.19	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.72	24.07	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.07	24.42	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.59	23.94	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.84	23.19	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.77	24.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.75	24.1	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.46	23.81	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.79	23.14	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.81	23.16	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.33	23.68	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.56	22.91	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.86	22.21	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.88	23.23	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.4	23.75	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.83	23.18	38.45	PASS

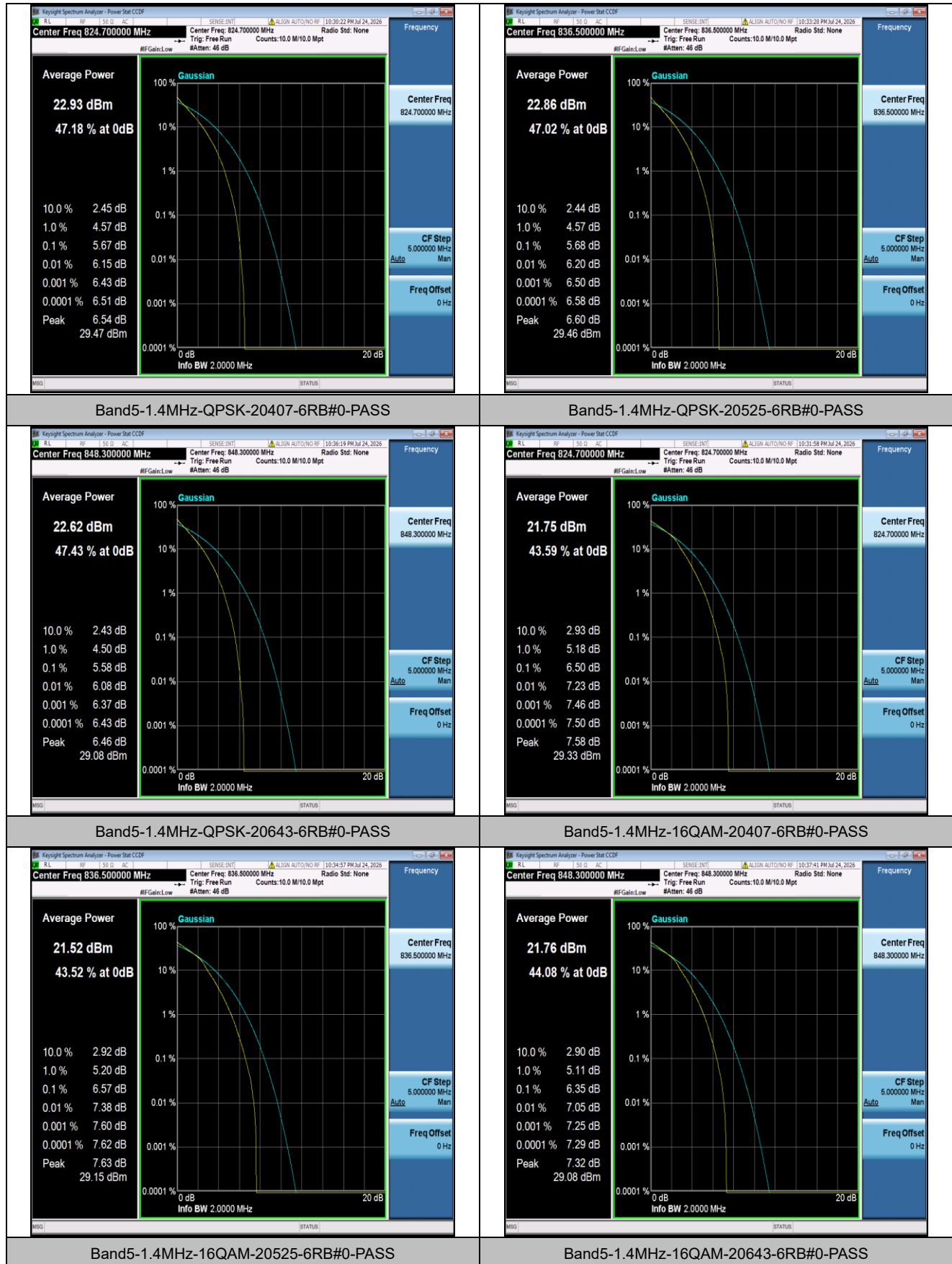
Band5	10MHz	16QAM	20525	50RB#0	21.9	22.25	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.8	23.15	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.41	22.76	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.85	23.2	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.86	22.21	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.78	22.13	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.67	22.02	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.8	22.15	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.83	21.18	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.87	22.22	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.98	22.33	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.78	22.13	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.84	21.19	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.9	22.25	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.59	21.94	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.79	22.14	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.77	21.12	38.45	PASS

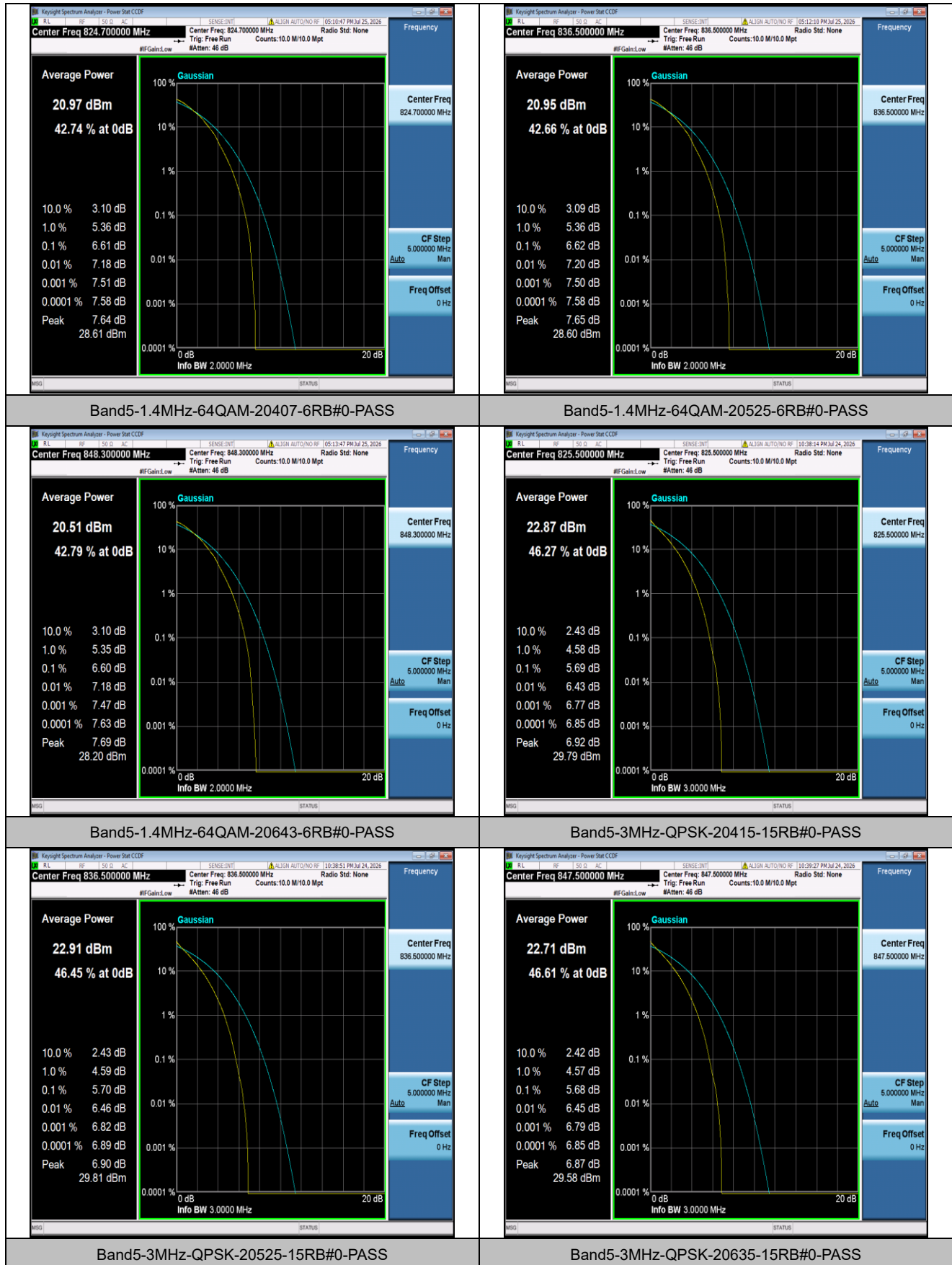
Peak-to-Average Ratio(CCDF)

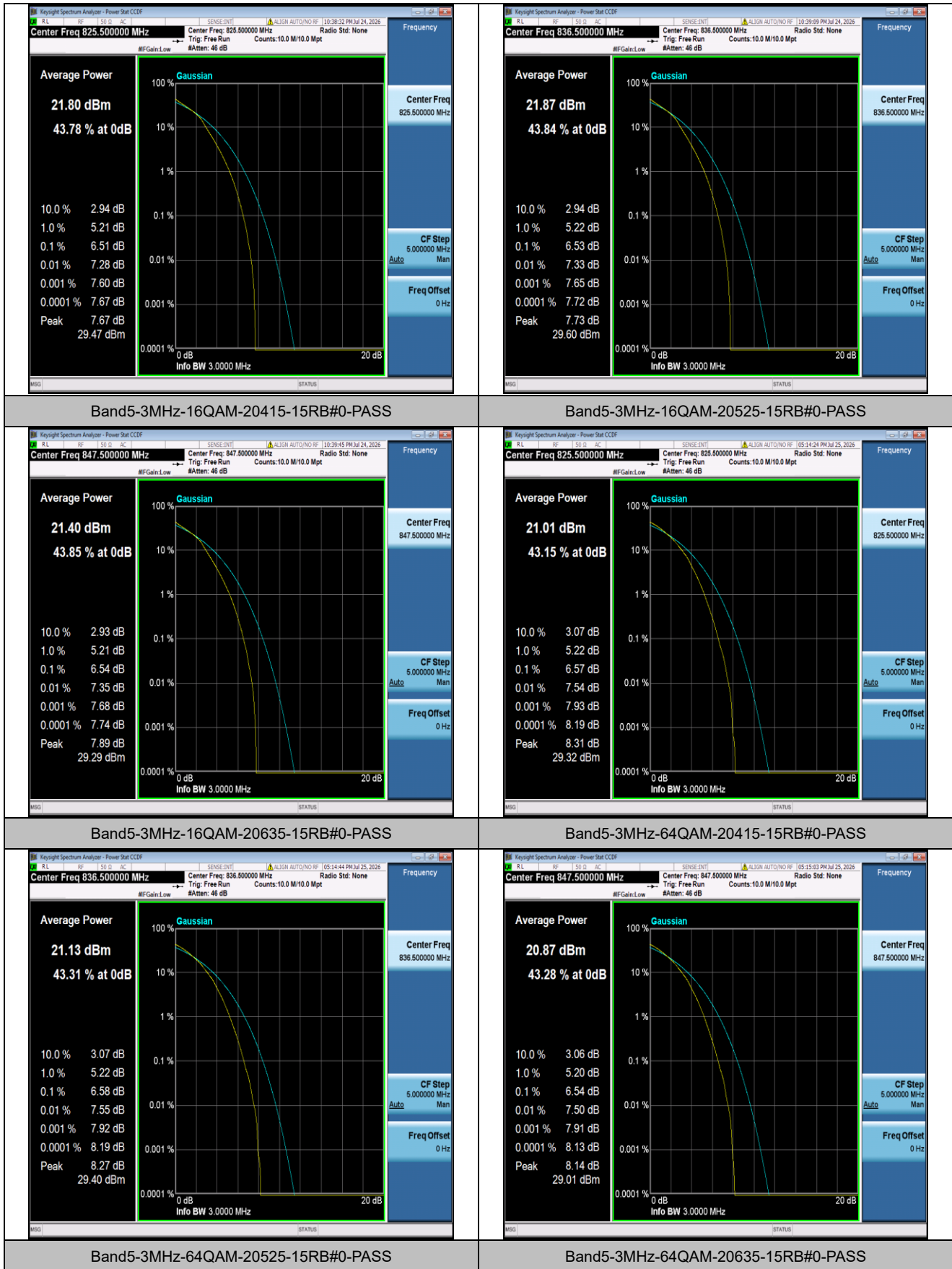
Test Result

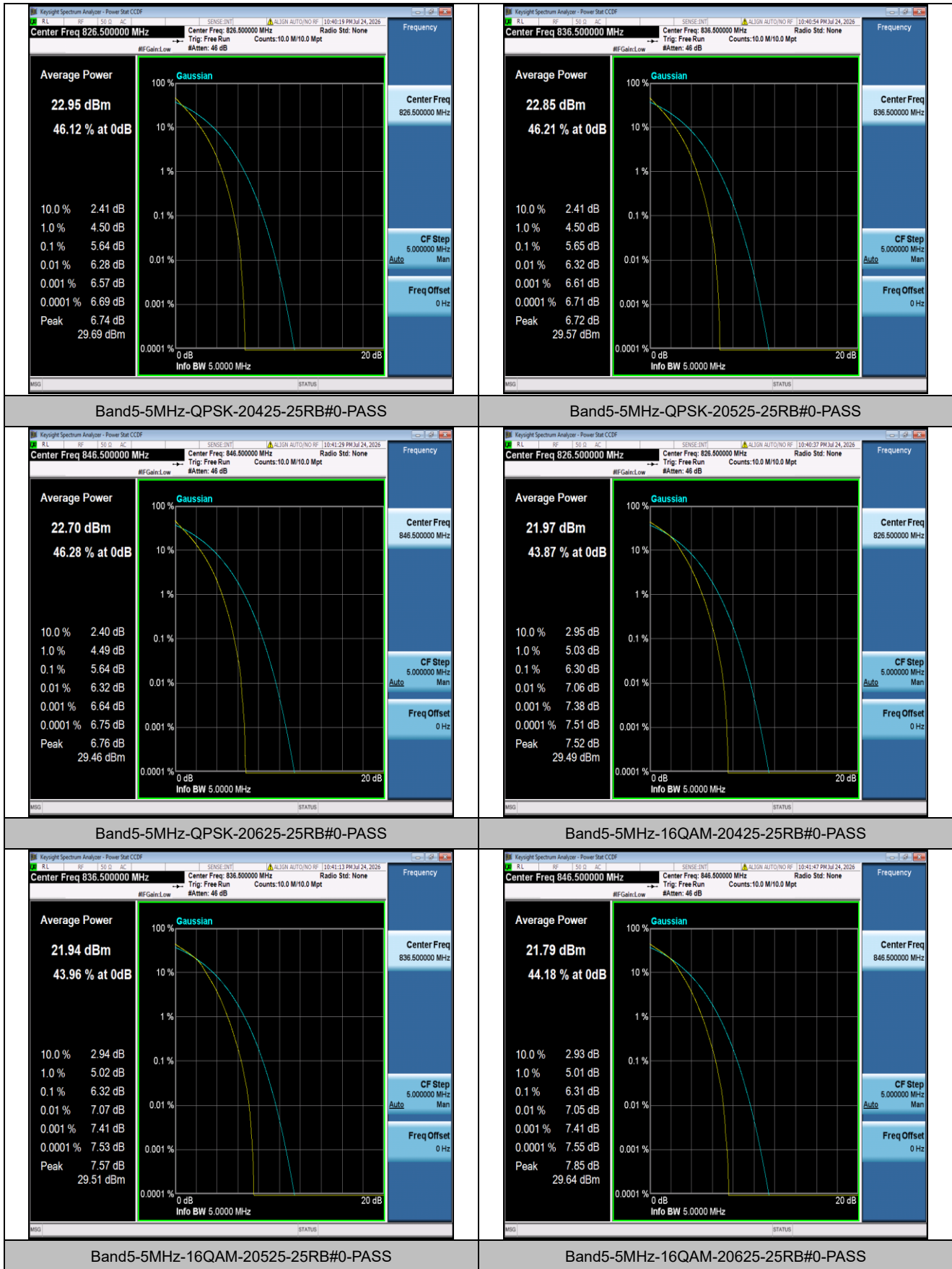
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.67	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.68	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.58	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.50	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.57	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.35	13	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	6.61	13	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	6.62	13	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	6.60	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.69	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.70	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.68	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.51	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.53	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.54	13	PASS
Band5	3MHz	64QAM	20415	15RB#0	6.57	13	PASS
Band5	3MHz	64QAM	20525	15RB#0	6.58	13	PASS
Band5	3MHz	64QAM	20635	15RB#0	6.54	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.64	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.65	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.64	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.30	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.32	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.31	13	PASS
Band5	5MHz	64QAM	20425	25RB#0	6.50	13	PASS
Band5	5MHz	64QAM	20525	25RB#0	6.49	13	PASS
Band5	5MHz	64QAM	20625	25RB#0	6.50	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.57	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.55	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.26	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.22	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.26	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.50	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.46	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.48	13	PASS

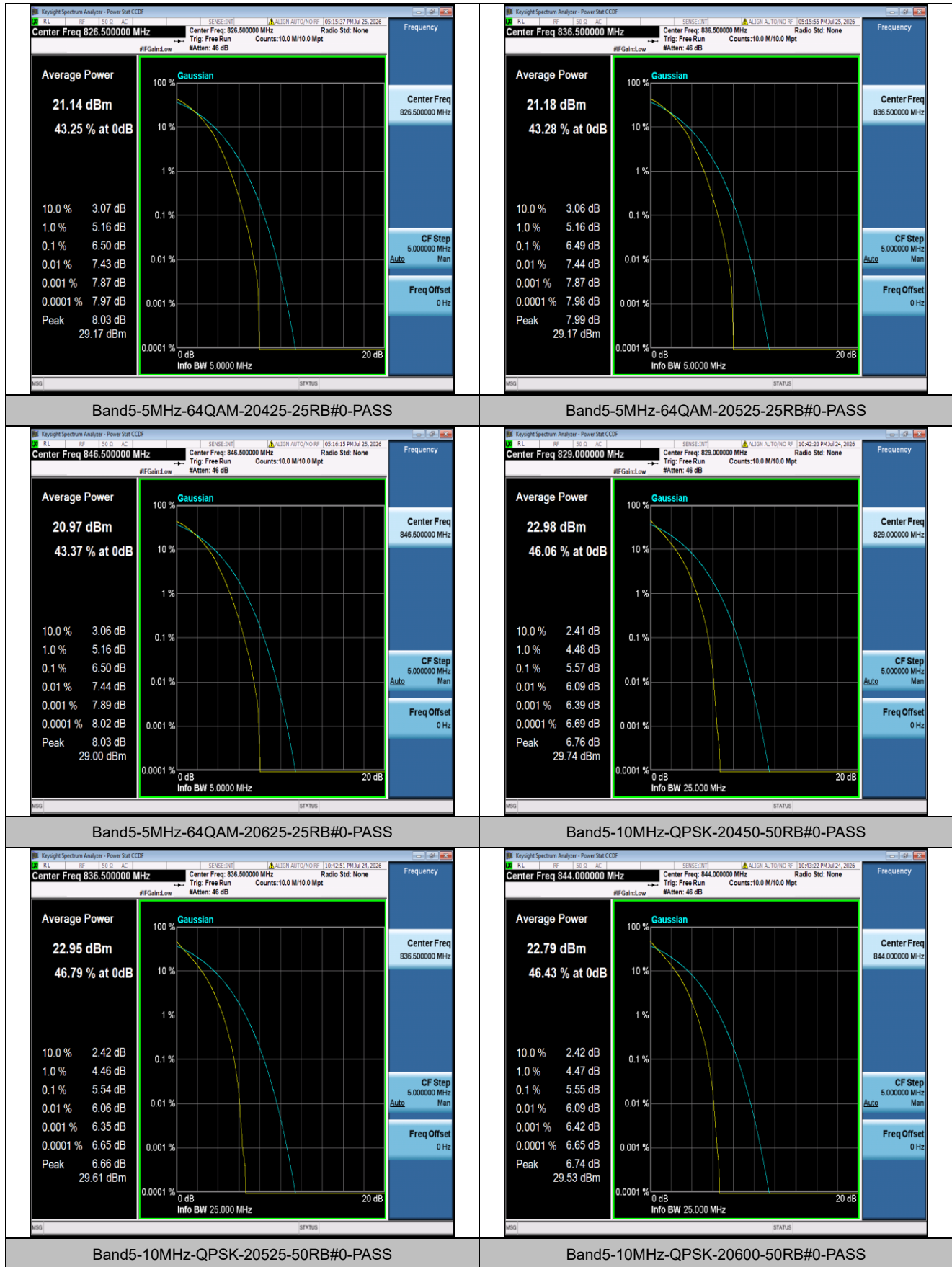
Test Graphs

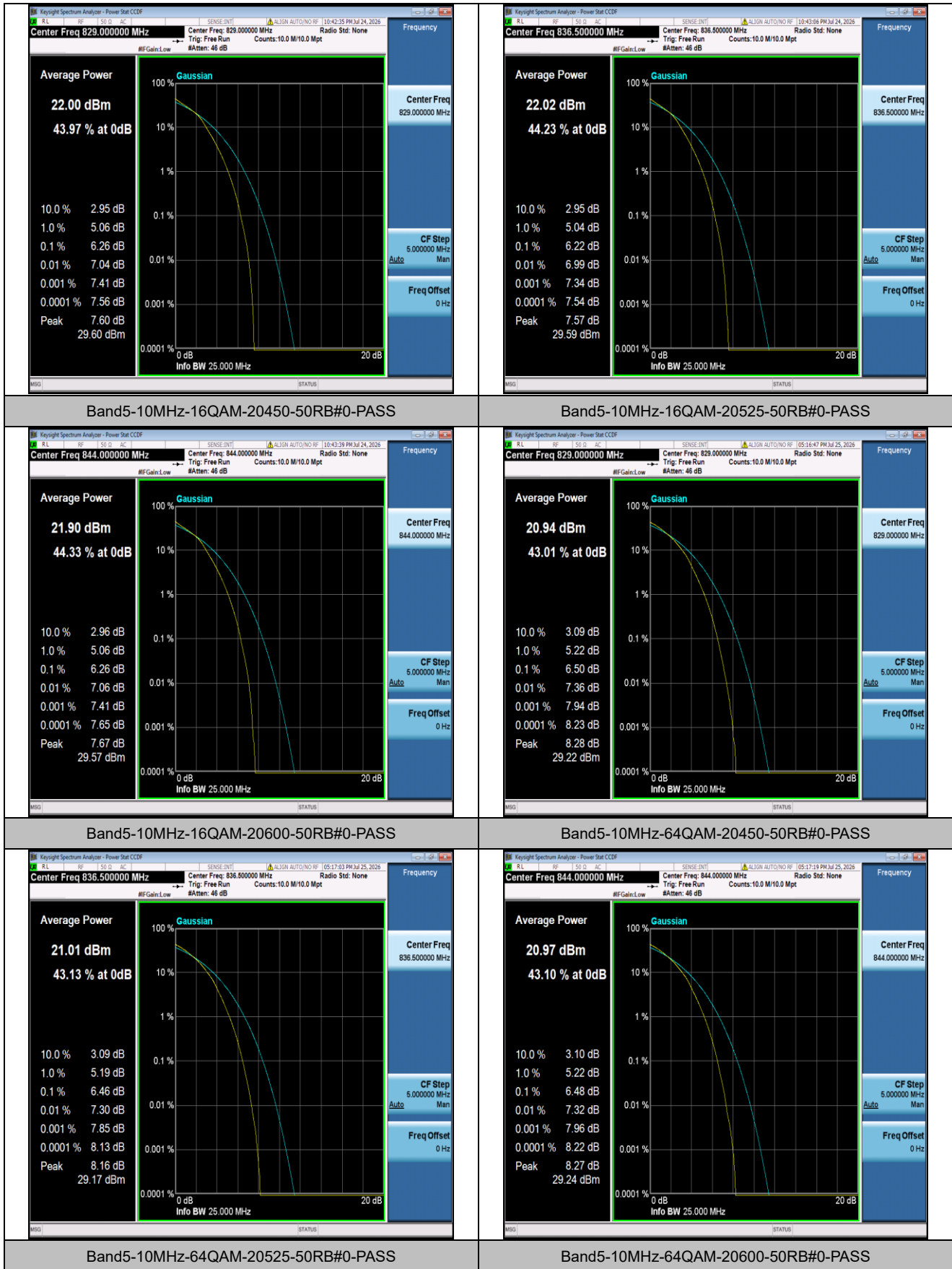










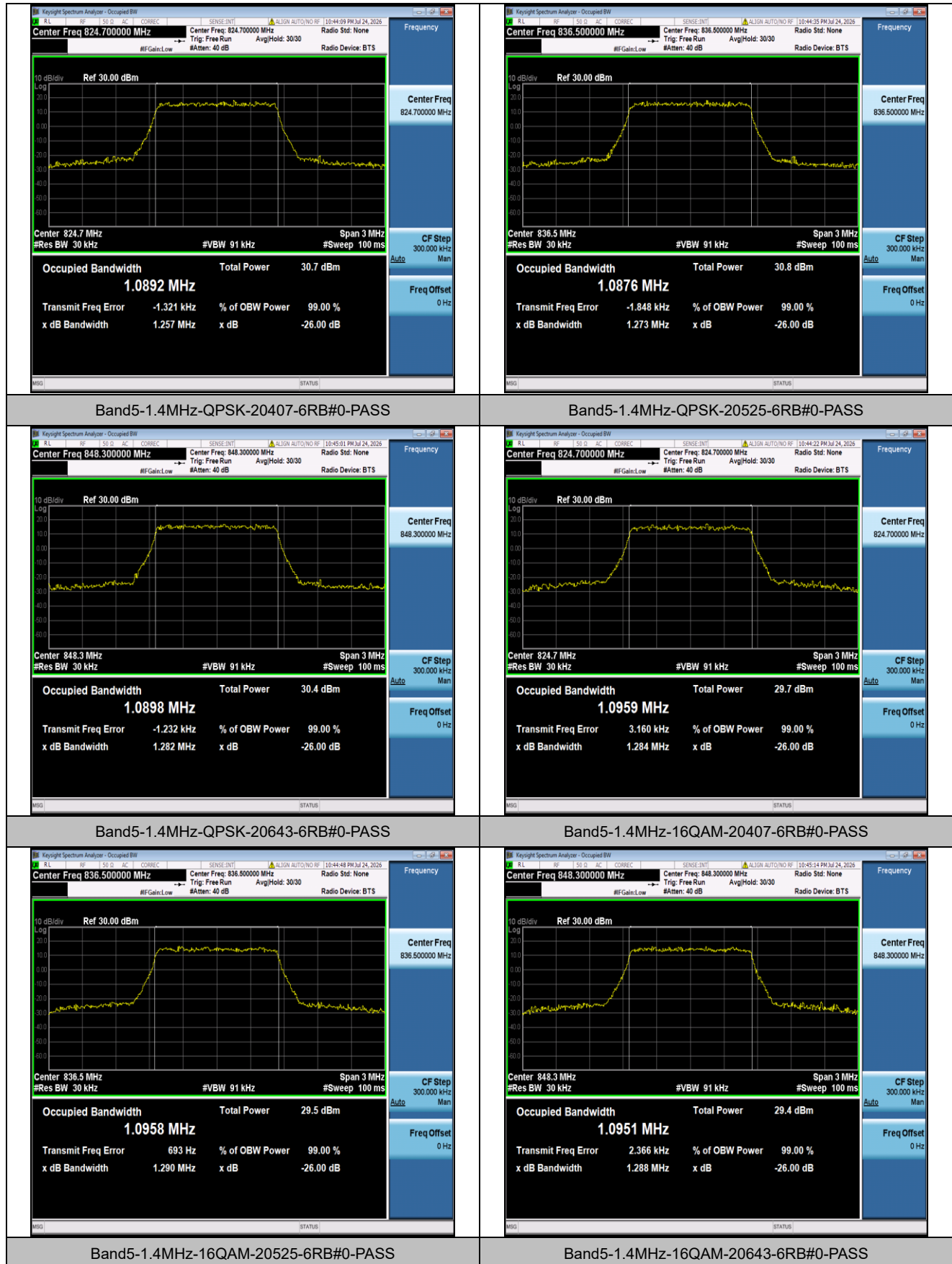


26dB Bandwidth and Occupied Bandwidth

Test Result

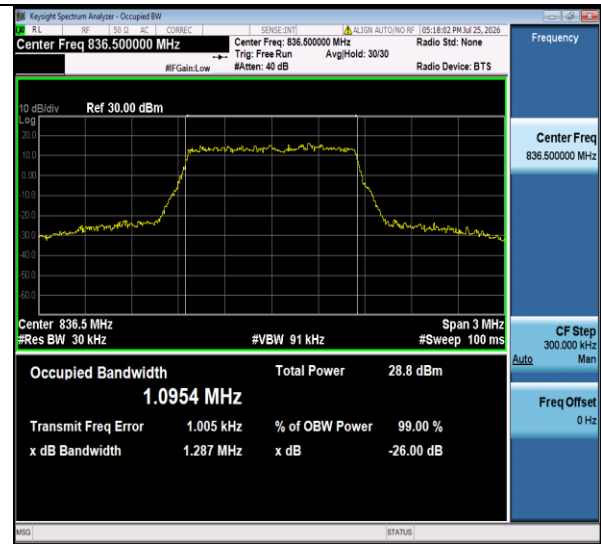
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0892	1.257	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0876	1.273	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0898	1.282	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0959	1.284	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0958	1.290	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0951	1.288	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.0951	1.287	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.0954	1.287	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.0932	1.285	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6955	2.949	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6975	2.954	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6923	2.956	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6893	2.962	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6881	2.970	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6873	2.969	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.6934	2.954	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.6879	2.950	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.6891	2.959	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4836	4.978	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4807	4.978	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4844	4.956	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4882	5.001	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4805	5.002	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4859	5.006	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.4934	4.945	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.4905	4.998	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.4971	4.997	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9915	9.774	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9547	9.795	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9797	9.836	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9495	9.806	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9355	9.837	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9542	9.831	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.9755	9.881	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.9588	9.860	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.9852	9.880	PASS

Test Graphs





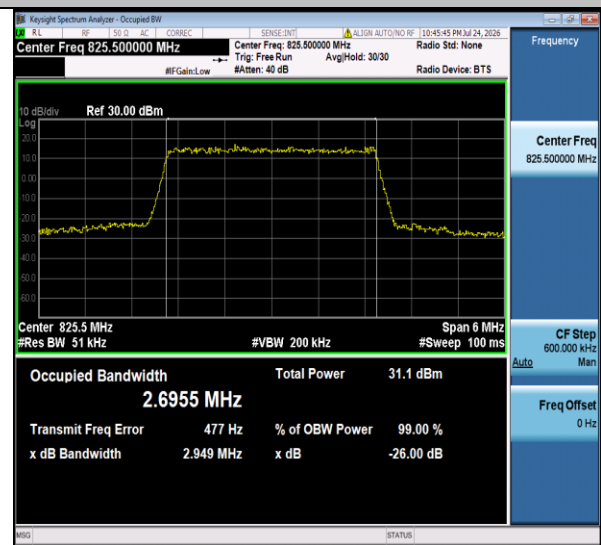
Band5-1.4MHz-64QAM-20407-6RB#0-PASS



Band5-1.4MHz-64QAM-20525-6RB#0-PASS



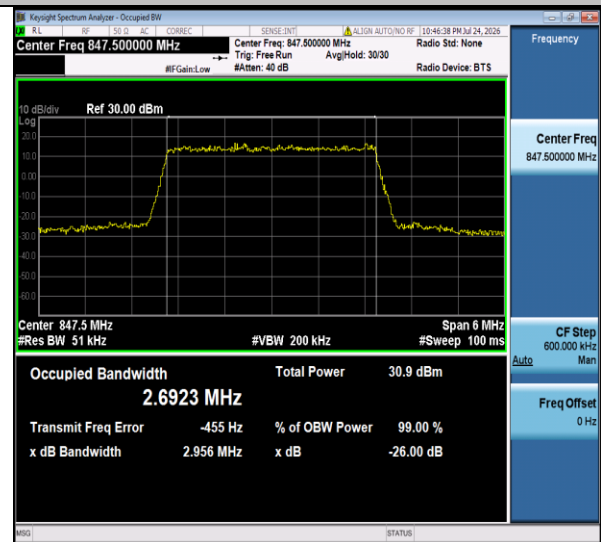
Band5-1.4MHz-64QAM-20643-6RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-QPSK-20635-15RB#0-PASS

