

LTE Band 7 Test Data

FCC ID: 2BTL6-S5

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FCC LTE FDD Test Data

1. Effective (Isotropic) Radiated Power Output Data

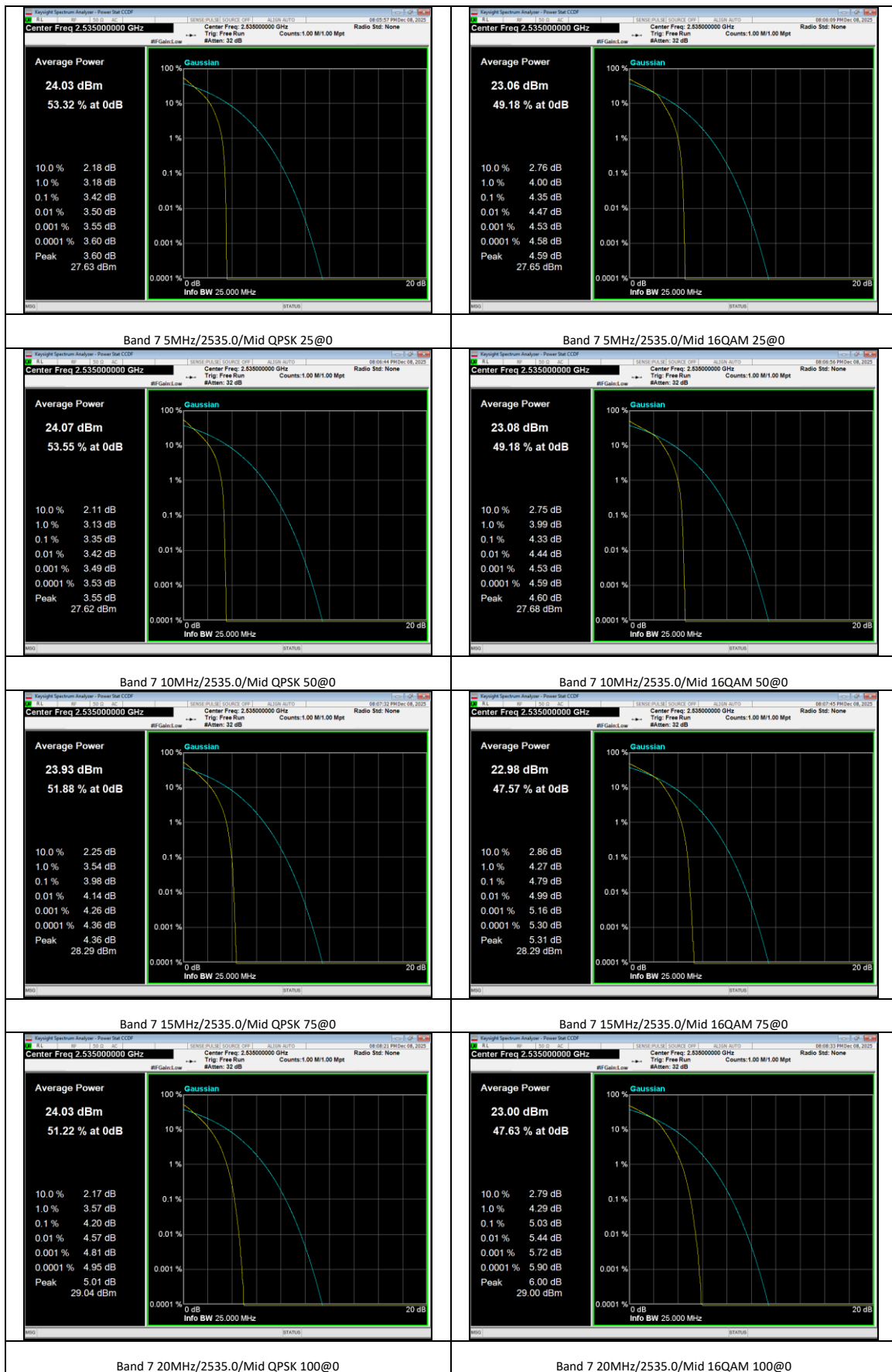
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	EIRP (Limit) (dBm)	Verdict
7	5.0	20775	2502.5	QPSK	1@0	24.96	25.28	0.3372	33.01	PASS
7	5.0	20775	2502.5	QPSK	1@12	25.02	25.34	0.3416	33.01	PASS
7	5.0	20775	2502.5	QPSK	1@24	25.04	25.36	0.3439	33.01	PASS
7	5.0	20775	2502.5	QPSK	12@0	24.03	24.35	0.2723	33.01	PASS
7	5.0	20775	2502.5	QPSK	12@6	24.04	24.36	0.273	33.01	PASS
7	5.0	20775	2502.5	QPSK	12@11	24.05	24.37	0.2736	33.01	PASS
7	5.0	20775	2502.5	QPSK	25@0	23.99	24.31	0.27	33.01	PASS
7	5.0	20775	2502.5	16QAM	1@0	24.19	24.51	0.2823	33.01	PASS
7	5.0	20775	2502.5	16QAM	1@12	24.25	24.57	0.2867	33.01	PASS
7	5.0	20775	2502.5	16QAM	1@24	24.2	24.52	0.2832	33.01	PASS
7	5.0	20775	2502.5	16QAM	12@0	22.96	23.29	0.2131	33.01	PASS
7	5.0	20775	2502.5	16QAM	12@6	22.98	23.3	0.2139	33.01	PASS
7	5.0	20775	2502.5	16QAM	12@11	22.96	23.28	0.213	33.01	PASS
7	5.0	20775	2502.5	16QAM	25@0	23.02	23.34	0.2157	33.01	PASS
7	5.0	21100	2535.0	QPSK	1@0	24.97	25.29	0.338	33.01	PASS
7	5.0	21100	2535.0	QPSK	1@12	25.03	25.35	0.3431	33.01	PASS
7	5.0	21100	2535.0	QPSK	1@24	25.13	25.45	0.3505	33.01	PASS
7	5.0	21100	2535.0	QPSK	12@0	23.98	24.3	0.2693	33.01	PASS
7	5.0	21100	2535.0	QPSK	12@6	23.95	24.27	0.2671	33.01	PASS
7	5.0	21100	2535.0	QPSK	12@11	23.99	24.31	0.27	33.01	PASS
7	5.0	21100	2535.0	QPSK	25@0	23.97	24.29	0.2683	33.01	PASS
7	5.0	21100	2535.0	16QAM	1@0	23.81	24.13	0.2589	33.01	PASS
7	5.0	21100	2535.0	16QAM	1@12	23.9	24.22	0.264	33.01	PASS
7	5.0	21100	2535.0	16QAM	1@24	23.89	24.21	0.2637	33.01	PASS
7	5.0	21100	2535.0	16QAM	12@0	23.01	23.33	0.2151	33.01	PASS
7	5.0	21100	2535.0	16QAM	12@6	22.99	23.31	0.2144	33.01	PASS
7	5.0	21100	2535.0	16QAM	12@11	22.97	23.29	0.2135	33.01	PASS
7	5.0	21100	2535.0	16QAM	25@0	22.97	23.29	0.2132	33.01	PASS
7	5.0	21425	2567.5	QPSK	1@0	21.93	22.25	0.168	33.01	PASS
7	5.0	21425	2567.5	QPSK	1@12	24.68	25.0	0.316	33.01	PASS
7	5.0	21425	2567.5	QPSK	1@24	22.08	22.4	0.1737	33.01	PASS
7	5.0	21425	2567.5	QPSK	12@0	23.89	24.21	0.2634	33.01	PASS
7	5.0	21425	2567.5	QPSK	12@6	23.84	24.16	0.2606	33.01	PASS
7	5.0	21425	2567.5	QPSK	12@11	23.92	24.24	0.2656	33.01	PASS
7	5.0	21425	2567.5	QPSK	25@0	23.9	24.22	0.264	33.01	PASS
7	5.0	21425	2567.5	16QAM	1@0	23.74	24.06	0.2549	33.01	PASS
7	5.0	21425	2567.5	16QAM	1@12	23.82	24.14	0.2593	33.01	PASS
7	5.0	21425	2567.5	16QAM	1@24	23.77	24.09	0.2565	33.01	PASS
7	5.0	21425	2567.5	16QAM	12@0	22.99	23.31	0.2142	33.01	PASS
7	5.0	21425	2567.5	16QAM	12@6	23.0	23.32	0.2145	33.01	PASS
7	5.0	21425	2567.5	16QAM	12@11	22.97	23.29	0.2132	33.01	PASS
7	5.0	21425	2567.5	16QAM	25@0	23.03	23.35	0.2162	33.01	PASS
7	10.0	20800	2505.0	QPSK	1@0	24.82	25.14	0.3269	33.01	PASS
7	10.0	20800	2505.0	QPSK	1@24	24.96	25.28	0.337	33.01	PASS
7	10.0	20800	2505.0	QPSK	1@49	24.89	25.21	0.3317	33.01	PASS
7	10.0	20800	2505.0	QPSK	25@0	24.04	24.36	0.2731	33.01	PASS
7	10.0	20800	2505.0	QPSK	25@12	24.04	24.36	0.2729	33.01	PASS
7	10.0	20800	2505.0	QPSK	25@24	24.07	24.39	0.2746	33.01	PASS
7	10.0	20800	2505.0	QPSK	50@0	24.08	24.4	0.2751	33.01	PASS
7	10.0	20800	2505.0	16QAM	1@0	23.67	23.99	0.2508	33.01	PASS
7	10.0	20800	2505.0	16QAM	1@24	23.61	23.93	0.2473	33.01	PASS
7	10.0	20800	2505.0	16QAM	1@49	23.59	23.91	0.2459	33.01	PASS
7	10.0	20800	2505.0	16QAM	25@0	23.11	23.43	0.2203	33.01	PASS
7	10.0	20800	2505.0	16QAM	25@12	23.12	23.44	0.2207	33.01	PASS
7	10.0	20800	2505.0	16QAM	25@24	23.11	23.43	0.2201	33.01	PASS
7	10.0	20800	2505.0	16QAM	50@0	23.11	23.43	0.2202	33.01	PASS
7	10.0	21100	2535.0	QPSK	1@0	25.01	25.33	0.3413	33.01	PASS
7	10.0	21100	2535.0	QPSK	1@24	25.17	25.49	0.3542	33.01	PASS
7	10.0	21100	2535.0	QPSK	1@49	25.24	25.56	0.3599	33.01	PASS
7	10.0	21100	2535.0	QPSK	25@0	24.01	24.33	0.2709	33.01	PASS
7	10.0	21100	2535.0	QPSK	25@12	24.01	24.33	0.2711	33.01	PASS
7	10.0	21100	2535.0	QPSK	25@24	24.01	24.33	0.2713	33.01	PASS
7	10.0	21100	2535.0	QPSK	50@0	24.01	24.33	0.2709	33.01	PASS
7	10.0	21100	2535.0	16QAM	1@0	24.23	24.55	0.2851	33.01	PASS
7	10.0	21100	2535.0	16QAM	1@24	24.31	24.63	0.2901	33.01	PASS

7	10.0	21100	2535.0	16QAM	1@49	24.38	24.70	0.2953	33.01	PASS
7	10.0	21100	2535.0	16QAM	25@0	23.06	23.38	0.2176	33.01	PASS
7	10.0	21100	2535.0	16QAM	25@12	23.01	23.33	0.2154	33.01	PASS
7	10.0	21100	2535.0	16QAM	25@24	23.05	23.37	0.217	33.01	PASS
7	10.0	21100	2535.0	16QAM	50@0	23.06	23.38	0.2177	33.01	PASS
7	10.0	21400	2565.0	QPSK	1@0	24.94	25.26	0.3357	33.01	PASS
7	10.0	21400	2565.0	QPSK	1@24	24.88	25.2	0.3308	33.01	PASS
7	10.0	21400	2565.0	QPSK	1@49	22.12	22.44	0.1756	33.01	PASS
7	10.0	21400	2565.0	QPSK	25@0	23.96	24.28	0.2681	33.01	PASS
7	10.0	21400	2565.0	QPSK	25@12	23.93	24.25	0.2664	33.01	PASS
7	10.0	21400	2565.0	QPSK	25@24	23.93	24.25	0.2661	33.01	PASS
7	10.0	21400	2565.0	QPSK	50@0	23.97	24.29	0.2688	33.01	PASS
7	10.0	21400	2565.0	16QAM	1@0	24.11	24.43	0.2772	33.01	PASS
7	10.0	21400	2565.0	16QAM	1@24	24.08	24.4	0.2753	33.01	PASS
7	10.0	21400	2565.0	16QAM	1@49	24.02	24.34	0.2716	33.01	PASS
7	10.0	21400	2565.0	16QAM	25@0	22.98	23.3	0.2139	33.01	PASS
7	10.0	21400	2565.0	16QAM	25@12	22.99	23.31	0.2141	33.01	PASS
7	10.0	21400	2565.0	16QAM	25@24	23.05	23.37	0.2175	33.01	PASS
7	10.0	21400	2565.0	16QAM	50@0	22.97	23.29	0.2135	33.01	PASS
7	15.0	20825	2507.5	QPSK	1@0	24.96	25.28	0.337	33.01	PASS
7	15.0	20825	2507.5	QPSK	1@37	25.03	25.35	0.343	33.01	PASS
7	15.0	20825	2507.5	QPSK	1@74	24.93	25.25	0.3353	33.01	PASS
7	15.0	20825	2507.5	QPSK	36@0	23.9	24.22	0.264	33.01	PASS
7	15.0	20825	2507.5	QPSK	36@16	23.98	24.3	0.2689	33.01	PASS
7	15.0	20825	2507.5	QPSK	36@35	23.97	24.29	0.2684	33.01	PASS
7	15.0	20825	2507.5	QPSK	75@0	23.99	24.31	0.2695	33.01	PASS
7	15.0	20825	2507.5	16QAM	1@0	23.95	24.27	0.267	33.01	PASS
7	15.0	20825	2507.5	16QAM	1@37	24.0	24.32	0.2706	33.01	PASS
7	15.0	20825	2507.5	16QAM	1@74	23.9	24.22	0.264	33.01	PASS
7	15.0	20825	2507.5	16QAM	36@0	23.04	23.36	0.2166	33.01	PASS
7	15.0	20825	2507.5	16QAM	36@16	22.98	23.3	0.2138	33.01	PASS
7	15.0	20825	2507.5	16QAM	36@35	22.98	23.3	0.2139	33.01	PASS
7	15.0	20825	2507.5	16QAM	75@0	23.0	23.32	0.2147	33.01	PASS
7	15.0	21100	2535.0	QPSK	1@0	24.94	25.26	0.3356	33.01	PASS
7	15.0	21100	2535.0	QPSK	1@37	25.15	25.47	0.3526	33.01	PASS
7	15.0	21100	2535.0	QPSK	1@74	25.22	25.54	0.3578	33.01	PASS
7	15.0	21100	2535.0	QPSK	36@0	23.89	24.21	0.2637	33.01	PASS
7	15.0	21100	2535.0	QPSK	36@16	23.91	24.23	0.2646	33.01	PASS
7	15.0	21100	2535.0	QPSK	36@35	23.92	24.24	0.2652	33.01	PASS
7	15.0	21100	2535.0	QPSK	75@0	23.93	24.25	0.2659	33.01	PASS
7	15.0	21100	2535.0	16QAM	1@0	24.17	24.49	0.2809	33.01	PASS
7	15.0	21100	2535.0	16QAM	1@37	24.33	24.65	0.2916	33.01	PASS
7	15.0	21100	2535.0	16QAM	1@74	24.39	24.71	0.296	33.01	PASS
7	15.0	21100	2535.0	16QAM	36@0	23.02	23.34	0.2157	33.01	PASS
7	15.0	21100	2535.0	16QAM	36@16	23.0	23.32	0.2146	33.01	PASS
7	15.0	21100	2535.0	16QAM	36@35	23.01	23.33	0.2152	33.01	PASS
7	15.0	21100	2535.0	16QAM	75@0	22.96	23.28	0.2129	33.01	PASS
7	15.0	21375	2562.5	QPSK	1@0	24.95	25.27	0.3369	33.01	PASS
7	15.0	21375	2562.5	QPSK	1@37	24.87	25.19	0.3302	33.01	PASS
7	15.0	21375	2562.5	QPSK	1@74	22.13	22.45	0.1757	33.01	PASS
7	15.0	21375	2562.5	QPSK	36@0	24.01	24.33	0.2708	33.01	PASS
7	15.0	21375	2562.5	QPSK	36@16	24.0	24.32	0.2704	33.01	PASS
7	15.0	21375	2562.5	QPSK	36@35	24.0	24.32	0.2706	33.01	PASS
7	15.0	21375	2562.5	QPSK	75@0	23.93	24.25	0.266	33.01	PASS
7	15.0	21375	2562.5	16QAM	1@0	24.14	24.46	0.2795	33.01	PASS
7	15.0	21375	2562.5	16QAM	1@37	24.09	24.41	0.2762	33.01	PASS
7	15.0	21375	2562.5	16QAM	1@74	23.96	24.28	0.2679	33.01	PASS
7	15.0	21375	2562.5	16QAM	36@0	23.03	23.35	0.2162	33.01	PASS
7	15.0	21375	2562.5	16QAM	36@16	23.02	23.34	0.2159	33.01	PASS
7	15.0	21375	2562.5	16QAM	36@35	23.02	23.34	0.2155	33.01	PASS
7	15.0	21375	2562.5	16QAM	75@0	22.98	23.3	0.2139	33.01	PASS
7	20.0	20850	2510.0	QPSK	1@0	24.69	25.01	0.3171	33.01	PASS
7	20.0	20850	2510.0	QPSK	1@49	24.78	25.1	0.3235	33.01	PASS
7	20.0	20850	2510.0	QPSK	1@99	24.69	25.01	0.3172	33.01	PASS
7	20.0	20850	2510.0	QPSK	50@0	24.01	24.33	0.271	33.01	PASS
7	20.0	20850	2510.0	QPSK	50@24	24.02	24.34	0.2718	33.01	PASS
7	20.0	20850	2510.0	QPSK	50@49	24.01	24.33	0.2709	33.01	PASS
7	20.0	20850	2510.0	QPSK	100@0	23.98	24.3	0.2691	33.01	PASS
7	20.0	20850	2510.0	16QAM	1@0	23.99	24.31	0.2701	33.01	PASS
7	20.0	20850	2510.0	16QAM	1@49	24.05	24.37	0.2737	33.01	PASS
7	20.0	20850	2510.0	16QAM	1@99	23.96	24.28	0.2676	33.01	PASS
7	20.0	20850	2510.0	16QAM	50@0	23.06	23.38	0.218	33.01	PASS
7	20.0	20850	2510.0	16QAM	50@24	23.07	23.39	0.2183	33.01	PASS
7	20.0	20850	2510.0	16QAM	50@49	23.07	23.39	0.2182	33.01	PASS
7	20.0	20850	2510.0	16QAM	100@0	23.0	23.32	0.2146	33.01	PASS
7	20.0	21100	2535.0	QPSK	1@0	24.69	25.01	0.3166	33.01	PASS
7	20.0	21100	2535.0	QPSK	1@49	24.91	25.23	0.3332	33.01	PASS
7	20.0	21100	2535.0	QPSK	1@99	25.05	25.37	0.3445	33.01	PASS
7	20.0	21100	2535.0	QPSK	50@0	24.05	24.37	0.2735	33.01	PASS
7	20.0	21100	2535.0	QPSK	50@24	24.04	24.36	0.2731	33.01	PASS

7	20.0	21100	2535.0	QPSK	50@49	24.05	24.37	0.2732	33.01	PASS
7	20.0	21100	2535.0	QPSK	100@0	23.96	24.28	0.2677	33.01	PASS
7	20.0	21100	2535.0	16QAM	1@0	24.3	24.62	0.2896	33.01	PASS
7	20.0	21100	2535.0	16QAM	1@49	24.5	24.82	0.3035	33.01	PASS
7	20.0	21100	2535.0	16QAM	1@99	24.7	25.02	0.3178	33.01	PASS
7	20.0	21100	2535.0	16QAM	50@0	23.06	23.38	0.2175	33.01	PASS
7	20.0	21100	2535.0	16QAM	50@24	23.05	23.37	0.2171	33.01	PASS
7	20.0	21100	2535.0	16QAM	50@49	23.05	23.37	0.2175	33.01	PASS
7	20.0	21100	2535.0	16QAM	100@0	23.0	23.32	0.2147	33.01	PASS
7	20.0	21350	2560.0	QPSK	1@0	25.09	25.41	0.3476	33.01	PASS
7	20.0	21350	2560.0	QPSK	1@49	25.05	25.37	0.3444	33.01	PASS
7	20.0	21350	2560.0	QPSK	1@99	22.07	22.39	0.1733	33.01	PASS
7	20.0	21350	2560.0	QPSK	50@0	23.98	24.3	0.2692	33.01	PASS
7	20.0	21350	2560.0	QPSK	50@24	24.04	24.36	0.2726	33.01	PASS
7	20.0	21350	2560.0	QPSK	50@49	24.02	24.34	0.2718	33.01	PASS
7	20.0	21350	2560.0	QPSK	100@0	24.04	24.36	0.2729	33.01	PASS
7	20.0	21350	2560.0	16QAM	1@0	24.23	24.55	0.2849	33.01	PASS
7	20.0	21350	2560.0	16QAM	1@49	24.17	24.49	0.2811	33.01	PASS
7	20.0	21350	2560.0	16QAM	1@99	23.91	24.23	0.2649	33.01	PASS
7	20.0	21350	2560.0	16QAM	50@0	23.06	23.38	0.2178	33.01	PASS
7	20.0	21350	2560.0	16QAM	50@24	23.09	23.41	0.2192	33.01	PASS
7	20.0	21350	2560.0	16QAM	50@49	23.05	23.37	0.2172	33.01	PASS
7	20.0	21350	2560.0	16QAM	100@0	23.11	23.43	0.2204	33.01	PASS

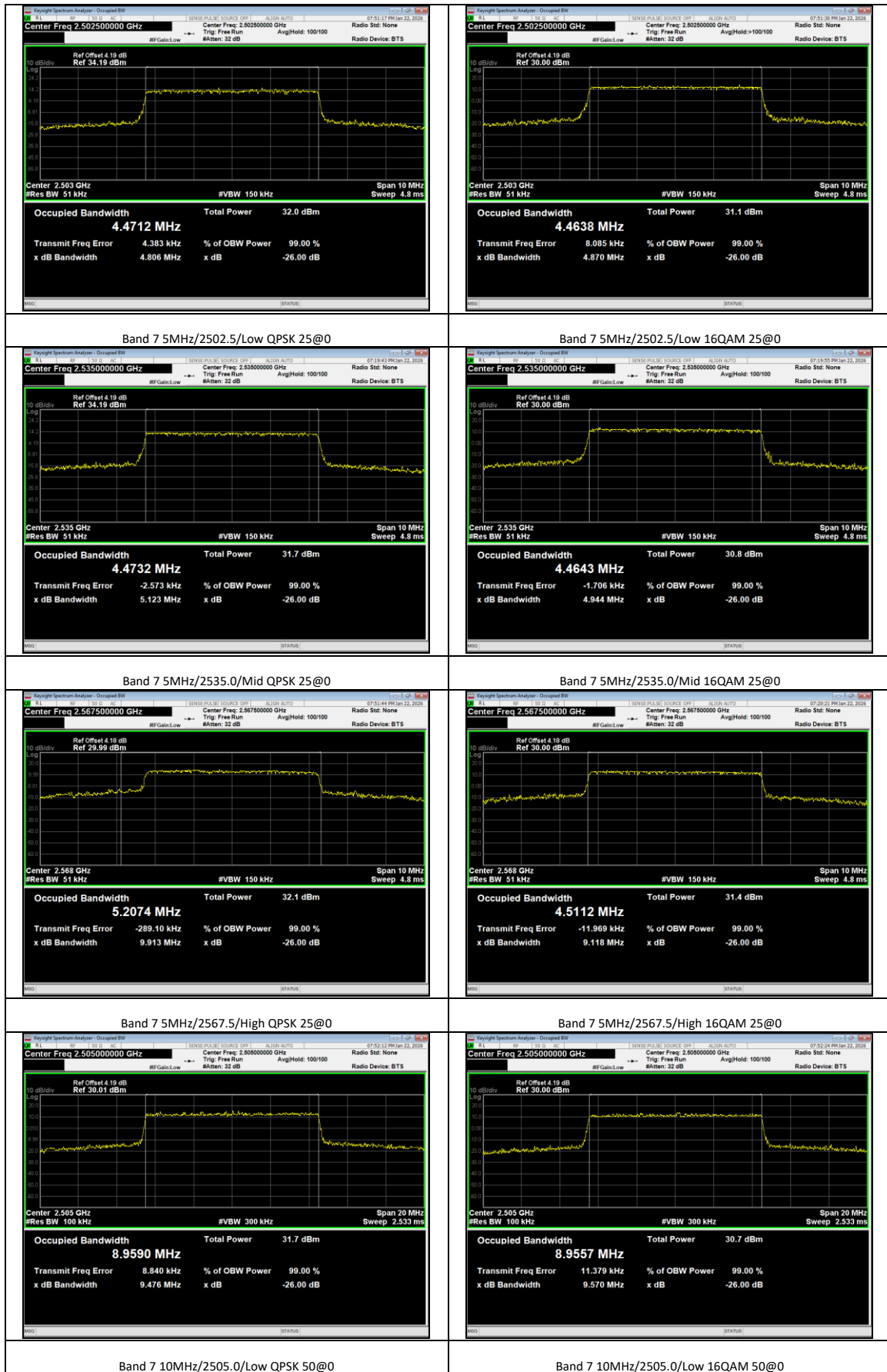
2. Peak to Average Ratio

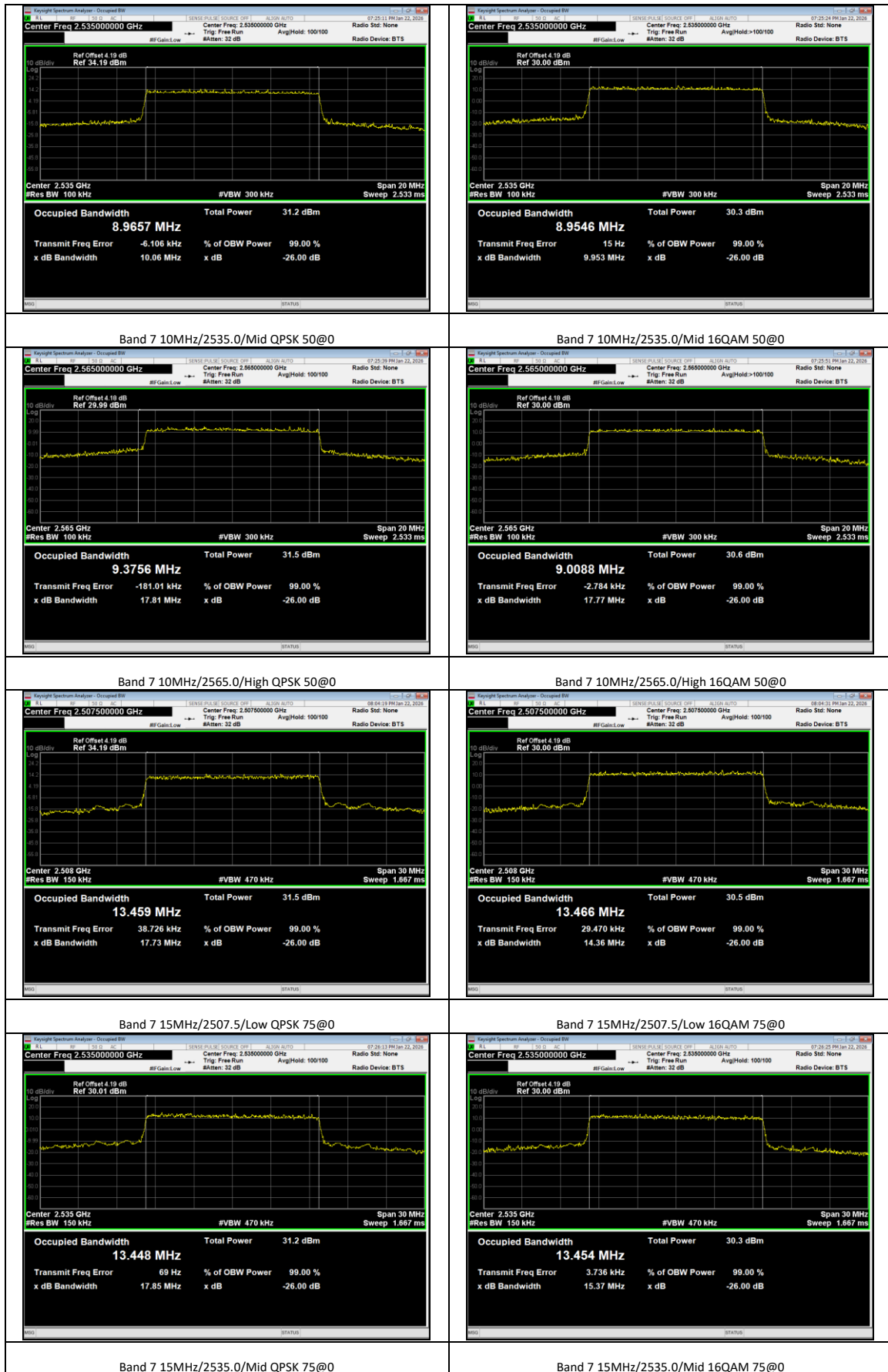
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	5.0	21100	2535.0	QPSK	25@0	3.42	13	PASS
7	5.0	21100	2535.0	16QAM	25@0	4.35	13	PASS
7	10.0	21100	2535.0	QPSK	50@0	3.35	13	PASS
7	10.0	21100	2535.0	16QAM	50@0	4.33	13	PASS
7	15.0	21100	2535.0	QPSK	75@0	3.98	13	PASS
7	15.0	21100	2535.0	16QAM	75@0	4.79	13	PASS
7	20.0	21100	2535.0	QPSK	100@0	4.2	13	PASS
7	20.0	21100	2535.0	16QAM	100@0	5.03	13	PASS

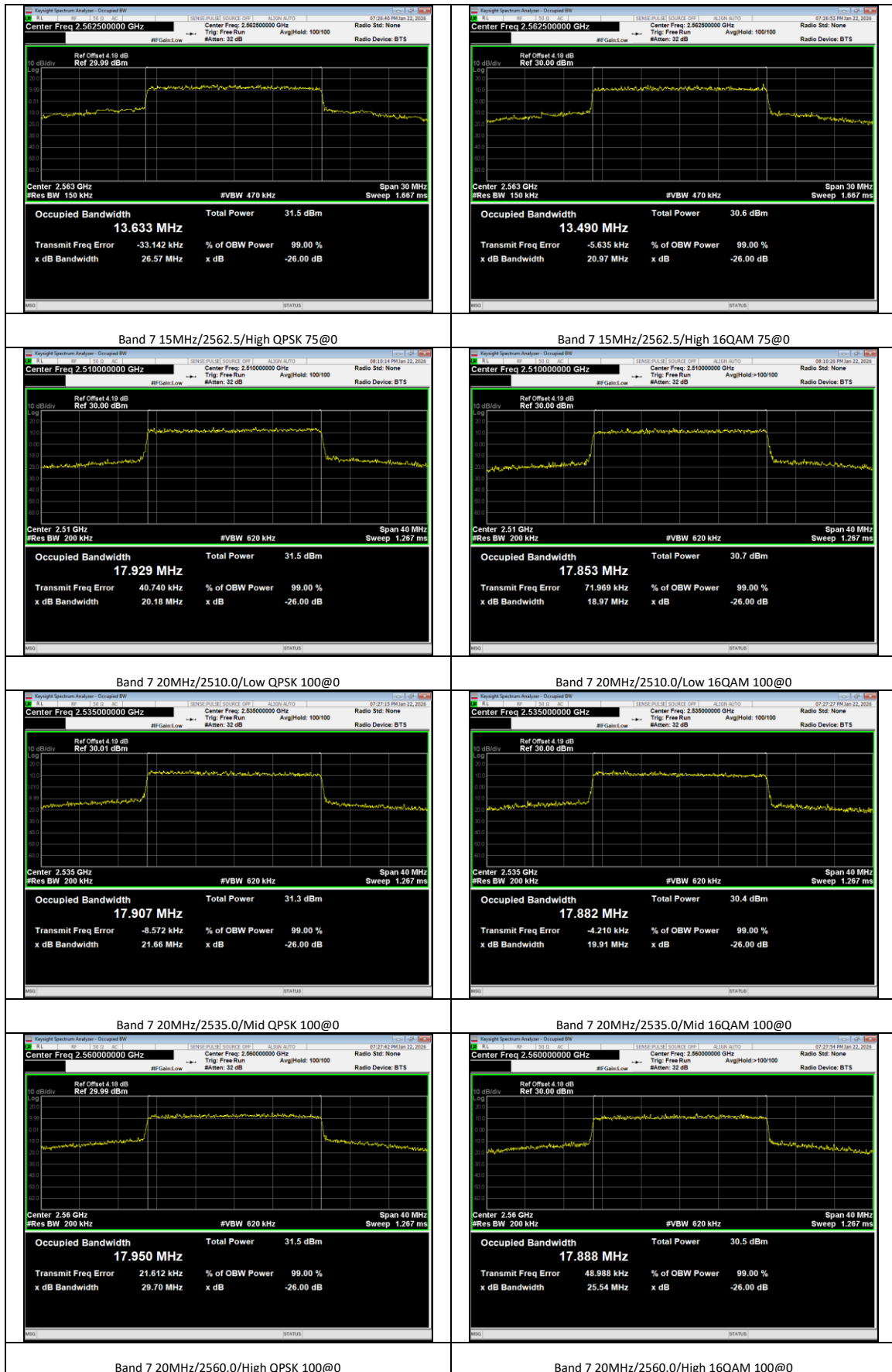


3. Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
7	5.0	20775	2502.5	QPSK	25@0	4.4712	4.806	PASS
7	5.0	20775	2502.5	16QAM	25@0	4.4638	4.870	PASS
7	5.0	21100	2535.0	QPSK	25@0	4.4732	5.123	PASS
7	5.0	21100	2535.0	16QAM	25@0	4.4643	4.944	PASS
7	5.0	21425	2567.5	QPSK	25@0	5.2074	9.913	PASS
7	5.0	21425	2567.5	16QAM	25@0	4.5112	9.118	PASS
7	10.0	20800	2505.0	QPSK	50@0	8.9590	9.476	PASS
7	10.0	20800	2505.0	16QAM	50@0	8.9557	9.570	PASS
7	10.0	21100	2535.0	QPSK	50@0	8.9657	10.06	PASS
7	10.0	21100	2535.0	16QAM	50@0	8.9546	9.953	PASS
7	10.0	21400	2565.0	QPSK	50@0	9.3756	17.81	PASS
7	10.0	21400	2565.0	16QAM	50@0	9.0088	17.77	PASS
7	15.0	20825	2507.5	QPSK	75@0	13.459	17.73	PASS
7	15.0	20825	2507.5	16QAM	75@0	13.466	14.36	PASS
7	15.0	21100	2535.0	QPSK	75@0	13.448	17.85	PASS
7	15.0	21100	2535.0	16QAM	75@0	13.454	15.37	PASS
7	15.0	21375	2562.5	QPSK	75@0	13.633	26.57	PASS
7	15.0	21375	2562.5	16QAM	75@0	13.490	20.97	PASS
7	20.0	20850	2510.0	QPSK	100@0	17.929	20.18	PASS
7	20.0	20850	2510.0	16QAM	100@0	17.853	18.97	PASS
7	20.0	21100	2535.0	QPSK	100@0	17.907	21.66	PASS
7	20.0	21100	2535.0	16QAM	100@0	17.882	19.91	PASS
7	20.0	21350	2560.0	QPSK	100@0	17.950	29.70	PASS
7	20.0	21350	2560.0	16QAM	100@0	17.888	25.54	PASS







4. Unwanted Spurious Emission

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
7	5.0	20775	2502.5	QPSK	1@0	30	1000	-56.02	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	1000	4000	-44.29	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	4000	7000	-45.86	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	7000	10000	-49.56	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	10000	13000	-49.07	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	13000	16000	-48.19	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	16000	19000	-47.14	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	19000	22000	-44.47	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	22000	25000	-38.41	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	25000	27000	-39.18	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	30	1000	-54.21	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	1000	4000	-44.79	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	4000	7000	-46.48	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	7000	10000	-50.13	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	10000	13000	-49.91	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	13000	16000	-49.19	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	16000	19000	-46.38	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	19000	22000	-44.37	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	22000	25000	-39.58	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	25000	27000	-38.46	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	30	1000	-57.0	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	1000	4000	-44.32	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	4000	7000	-46.61	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	7000	10000	-44.99	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	10000	13000	-45.41	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	13000	16000	-48.74	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	16000	19000	-46.43	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	19000	22000	-44.93	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	22000	25000	-38.96	-25	PASS
7	5.0	21425	2567.5	QPSK	1@0	25000	27000	-39.67	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	30	1000	-55.74	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	1000	4000	-44.27	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	4000	7000	-46.49	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	7000	10000	-45.88	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	10000	13000	-44.87	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	13000	16000	-49.16	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	16000	19000	-46.35	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	19000	22000	-43.51	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	22000	25000	-39.36	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	25000	27000	-39.51	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	30	1000	-56.36	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	1000	4000	-44.29	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	4000	7000	-46.45	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	7000	10000	-50.32	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	10000	13000	-48.1	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	13000	16000	-48.57	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	16000	19000	-47.66	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	19000	22000	-44.57	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	22000	25000	-39.26	-25	PASS
7	10.0	20800	2505.0	QPSK	1@0	25000	27000	-39.7	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	30	1000	-56.32	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	1000	4000	-43.66	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	4000	7000	-47.14	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	7000	10000	-51.64	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	10000	13000	-47.88	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	13000	16000	-48.88	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	16000	19000	-47.58	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	19000	22000	-44.36	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	22000	25000	-39.17	-25	PASS
7	10.0	20800	2505.0	16QAM	1@0	25000	27000	-39.3	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	30	1000	-40.28	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	1000	4000	-40.81	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	4000	7000	-46.68	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	7000	10000	-44.61	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	10000	13000	-46.03	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	13000	16000	-48.56	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	16000	19000	-47.08	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	19000	22000	-43.97	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	22000	25000	-39.12	-25	PASS
7	10.0	21400	2565.0	QPSK	1@0	25000	27000	-39.11	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	30	1000	-42.1	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	1000	4000	-42.99	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	4000	7000	-47.38	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	7000	10000	-44.53	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	10000	13000	-48.82	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	13000	16000	-47.17	-25	PASS

7	10.0	21400	2565.0	16QAM	1@0	16000	19000	-46.96	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	19000	22000	-44.65	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	22000	25000	-38.6	-25	PASS
7	10.0	21400	2565.0	16QAM	1@0	25000	27000	-40.13	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	30	1000	-56.33	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	1000	4000	-44.78	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	4000	7000	-46.67	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	7000	10000	-49.92	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	10000	13000	-49.3	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	13000	16000	-48.94	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	16000	19000	-47.77	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	19000	22000	-44.68	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	22000	25000	-39.01	-25	PASS
7	15.0	20825	2507.5	QPSK	1@0	25000	27000	-39.59	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	30	1000	-56.48	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	1000	4000	-44.84	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	4000	7000	-46.38	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	7000	10000	-49.86	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	10000	13000	-47.82	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	13000	16000	-48.96	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	16000	19000	-46.86	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	19000	22000	-44.4	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	22000	25000	-39.44	-25	PASS
7	15.0	20825	2507.5	16QAM	1@0	25000	27000	-39.58	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	30	1000	-56.85	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	1000	4000	-44.68	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	4000	7000	-45.82	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	7000	10000	-43.21	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	10000	13000	-44.76	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	13000	16000	-48.57	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	16000	19000	-47.0	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	19000	22000	-43.78	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	22000	25000	-39.03	-25	PASS
7	15.0	21375	2562.5	QPSK	1@0	25000	27000	-39.77	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	30	1000	-56.18	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	1000	4000	-43.78	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	4000	7000	-45.66	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	7000	10000	-44.38	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	10000	13000	-43.36	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	13000	16000	-48.04	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	16000	19000	-46.49	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	19000	22000	-43.91	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	22000	25000	-39.69	-25	PASS
7	15.0	21375	2562.5	16QAM	1@0	25000	27000	-39.0	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	30	1000	-55.96	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	1000	4000	-44.52	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	4000	7000	-46.48	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	7000	10000	-49.11	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	10000	13000	-49.39	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	13000	16000	-48.84	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	16000	19000	-47.12	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	19000	22000	-44.35	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	22000	25000	-39.16	-25	PASS
7	20.0	20850	2510.0	QPSK	1@0	25000	27000	-39.68	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	30	1000	-56.74	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	1000	4000	-44.51	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	4000	7000	-46.36	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	7000	10000	-50.92	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	10000	13000	-49.59	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	13000	16000	-48.44	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	16000	19000	-47.12	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	19000	22000	-44.67	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	22000	25000	-38.27	-25	PASS
7	20.0	20850	2510.0	16QAM	1@0	25000	27000	-38.95	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	30	1000	-56.16	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	1000	4000	-42.89	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	4000	7000	-45.55	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	7000	10000	-44.27	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	10000	13000	-47.54	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	13000	16000	-48.93	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	16000	19000	-46.2	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	19000	22000	-45.12	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	22000	25000	-39.9	-25	PASS
7	20.0	21350	2560.0	QPSK	1@0	25000	27000	-38.71	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	30	1000	-56.91	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	1000	4000	-44.87	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	4000	7000	-47.51	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	7000	10000	-44.19	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	10000	13000	-47.79	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	13000	16000	-48.72	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	16000	19000	-46.02	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	19000	22000	-44.78	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	22000	25000	-39.11	-25	PASS
7	20.0	21350	2560.0	16QAM	1@0	25000	27000	-39.41	-25	PASS

