

LTE Band 12 Test Data

FCC ID: 2BTL6-S5

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FCC LTE FDD Test Data

1. Effective (Isotropic) Radiated Power Output Data

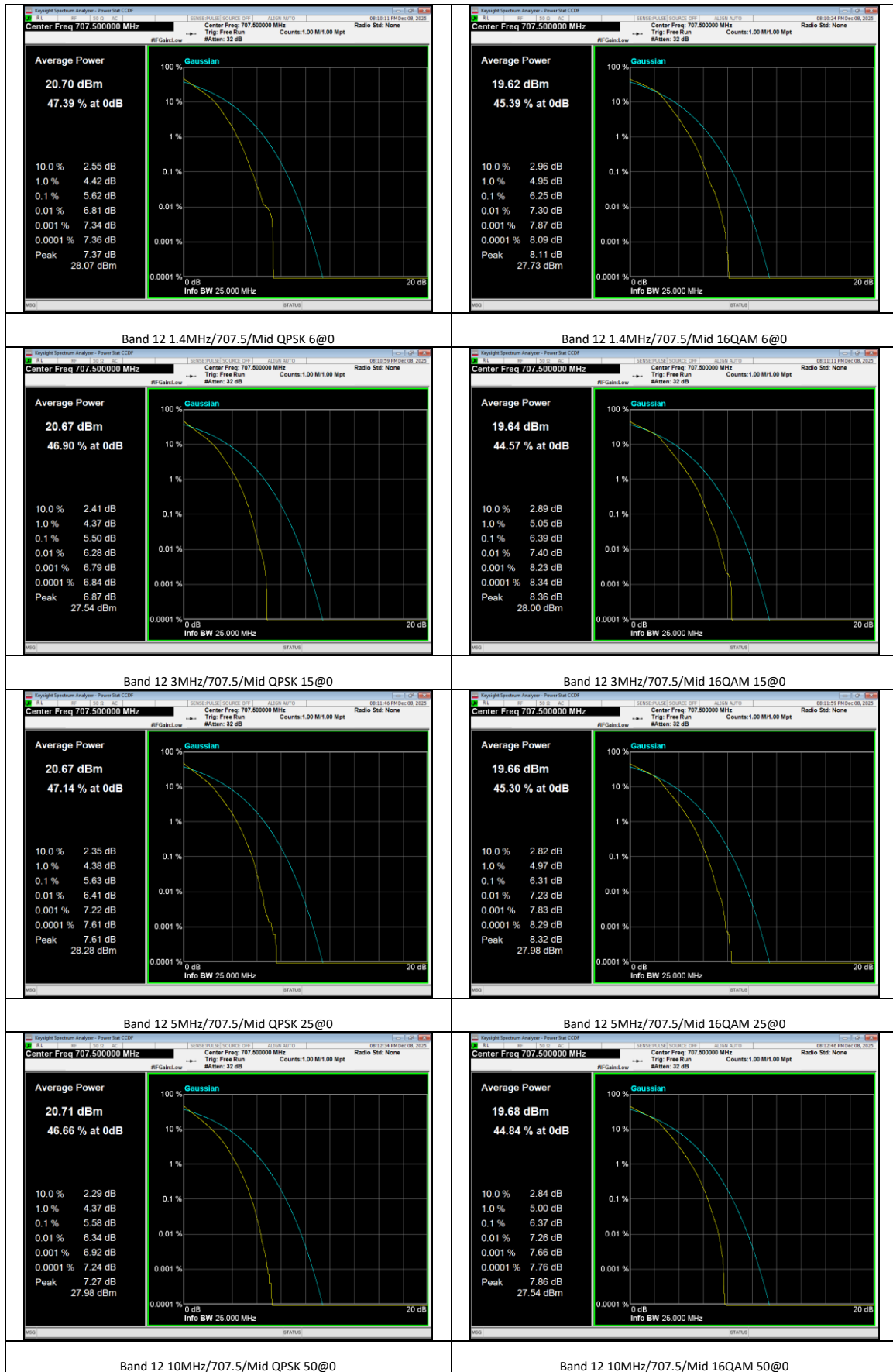
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP (dBm)	ERP (W)	ERP (Limit) (dBm)	Verdict
12	1.4	23017	699.7	QPSK	1@0	21.42	18.88	0.0773	34.77	PASS
12	1.4	23017	699.7	QPSK	1@2	21.46	18.92	0.078	34.77	PASS
12	1.4	23017	699.7	QPSK	1@5	21.38	18.84	0.0765	34.77	PASS
12	1.4	23017	699.7	QPSK	3@0	21.44	18.9	0.0776	34.77	PASS
12	1.4	23017	699.7	QPSK	3@1	21.43	18.89	0.0775	34.77	PASS
12	1.4	23017	699.7	QPSK	3@2	21.44	18.9	0.0776	34.77	PASS
12	1.4	23017	699.7	QPSK	6@0	20.41	17.87	0.0613	34.77	PASS
12	1.4	23017	699.7	16QAM	1@0	20.41	17.87	0.0612	34.77	PASS
12	1.4	23017	699.7	16QAM	1@2	20.49	17.95	0.0624	34.77	PASS
12	1.4	23017	699.7	16QAM	1@5	20.4	17.86	0.0611	34.77	PASS
12	1.4	23017	699.7	16QAM	3@0	20.37	17.83	0.0607	34.77	PASS
12	1.4	23017	699.7	16QAM	3@1	20.4	17.86	0.0612	34.77	PASS
12	1.4	23017	699.7	16QAM	3@2	20.33	17.79	0.0602	34.77	PASS
12	1.4	23017	699.7	16QAM	6@0	19.39	16.85	0.0484	34.77	PASS
12	1.4	23095	707.5	QPSK	1@0	21.12	18.58	0.0721	34.77	PASS
12	1.4	23095	707.5	QPSK	1@2	21.15	18.61	0.0726	34.77	PASS
12	1.4	23095	707.5	QPSK	1@5	21.11	18.57	0.072	34.77	PASS
12	1.4	23095	707.5	QPSK	3@0	21.24	18.7	0.0741	34.77	PASS
12	1.4	23095	707.5	QPSK	3@1	21.24	18.7	0.0741	34.77	PASS
12	1.4	23095	707.5	QPSK	3@2	21.23	18.69	0.074	34.77	PASS
12	1.4	23095	707.5	QPSK	6@0	20.31	17.77	0.0598	34.77	PASS
12	1.4	23095	707.5	16QAM	1@0	19.81	17.27	0.0533	34.77	PASS
12	1.4	23095	707.5	16QAM	1@2	19.82	17.28	0.0535	34.77	PASS
12	1.4	23095	707.5	16QAM	1@5	19.82	17.28	0.0535	34.77	PASS
12	1.4	23095	707.5	16QAM	3@0	20.29	17.75	0.0596	34.77	PASS
12	1.4	23095	707.5	16QAM	3@1	20.3	17.76	0.0596	34.77	PASS
12	1.4	23095	707.5	16QAM	3@2	20.26	17.72	0.0591	34.77	PASS
12	1.4	23095	707.5	16QAM	6@0	19.33	16.79	0.0477	34.77	PASS
12	1.4	23173	715.3	QPSK	1@0	21.12	18.58	0.072	34.77	PASS
12	1.4	23173	715.3	QPSK	1@2	21.05	18.51	0.071	34.77	PASS
12	1.4	23173	715.3	QPSK	1@5	21.05	18.51	0.0709	34.77	PASS
12	1.4	23173	715.3	QPSK	3@0	21.17	18.63	0.0729	34.77	PASS
12	1.4	23173	715.3	QPSK	3@1	21.18	18.64	0.0731	34.77	PASS
12	1.4	23173	715.3	QPSK	3@2	21.18	18.64	0.0732	34.77	PASS
12	1.4	23173	715.3	QPSK	6@0	20.22	17.68	0.0586	34.77	PASS
12	1.4	23173	715.3	16QAM	1@0	19.7	17.16	0.052	34.77	PASS
12	1.4	23173	715.3	16QAM	1@2	19.81	17.27	0.0533	34.77	PASS
12	1.4	23173	715.3	16QAM	1@5	19.62	17.08	0.0511	34.77	PASS
12	1.4	23173	715.3	16QAM	3@0	20.16	17.62	0.0578	34.77	PASS
12	1.4	23173	715.3	16QAM	3@1	20.09	17.55	0.0568	34.77	PASS
12	1.4	23173	715.3	16QAM	3@2	20.13	17.59	0.0574	34.77	PASS
12	1.4	23173	715.3	16QAM	6@0	19.11	16.57	0.0454	34.77	PASS
12	3.0	23025	700.5	QPSK	1@0	21.39	18.85	0.0767	34.77	PASS
12	3.0	23025	700.5	QPSK	1@7	21.31	18.77	0.0754	34.77	PASS
12	3.0	23025	700.5	QPSK	1@14	21.26	18.72	0.0745	34.77	PASS
12	3.0	23025	700.5	QPSK	8@0	20.46	17.92	0.0619	34.77	PASS
12	3.0	23025	700.5	QPSK	8@4	20.45	17.91	0.0618	34.77	PASS
12	3.0	23025	700.5	QPSK	8@7	20.31	17.77	0.0599	34.77	PASS
12	3.0	23025	700.5	QPSK	15@0	20.44	17.9	0.0617	34.77	PASS
12	3.0	23025	700.5	16QAM	1@0	20.05	17.51	0.0564	34.77	PASS
12	3.0	23025	700.5	16QAM	1@7	20.0	17.46	0.0557	34.77	PASS
12	3.0	23025	700.5	16QAM	1@14	19.95	17.41	0.0551	34.77	PASS
12	3.0	23025	700.5	16QAM	8@0	19.58	17.04	0.0506	34.77	PASS
12	3.0	23025	700.5	16QAM	8@4	19.54	17.0	0.0501	34.77	PASS
12	3.0	23025	700.5	16QAM	8@7	19.49	16.95	0.0496	34.77	PASS
12	3.0	23025	700.5	16QAM	15@0	19.43	16.89	0.0488	34.77	PASS
12	3.0	23095	707.5	QPSK	1@0	21.38	18.84	0.0765	34.77	PASS
12	3.0	23095	707.5	QPSK	1@7	21.27	18.73	0.0747	34.77	PASS
12	3.0	23095	707.5	QPSK	1@14	21.21	18.67	0.0736	34.77	PASS
12	3.0	23095	707.5	QPSK	8@0	20.23	17.69	0.0588	34.77	PASS
12	3.0	23095	707.5	QPSK	8@4	20.25	17.71	0.059	34.77	PASS
12	3.0	23095	707.5	QPSK	8@7	20.26	17.72	0.0591	34.77	PASS
12	3.0	23095	707.5	QPSK	15@0	20.25	17.71	0.059	34.77	PASS
12	3.0	23095	707.5	16QAM	1@0	20.77	18.23	0.0666	34.77	PASS
12	3.0	23095	707.5	16QAM	1@7	20.63	18.09	0.0644	34.77	PASS
12	3.0	23095	707.5	16QAM	1@14	20.64	18.1	0.0645	34.77	PASS
12	3.0	23095	707.5	16QAM	8@0	19.33	16.79	0.0478	34.77	PASS
12	3.0	23095	707.5	16QAM	8@4	19.34	16.8	0.0479	34.77	PASS
12	3.0	23095	707.5	16QAM	8@7	19.3	16.76	0.0475	34.77	PASS
12	3.0	23095	707.5	16QAM	15@0	19.32	16.78	0.0477	34.77	PASS
12	3.0	23165	714.5	QPSK	1@0	21.15	18.61	0.0726	34.77	PASS

12	3.0	23165	714.5	QPSK	1@7	21.15	18.61	0.0727	34.77	PASS
12	3.0	23165	714.5	QPSK	1@14	21.12	18.58	0.0721	34.77	PASS
12	3.0	23165	714.5	QPSK	8@0	20.19	17.65	0.0582	34.77	PASS
12	3.0	23165	714.5	QPSK	8@4	20.15	17.61	0.0577	34.77	PASS
12	3.0	23165	714.5	QPSK	8@7	20.12	17.58	0.0573	34.77	PASS
12	3.0	23165	714.5	QPSK	15@0	20.17	17.63	0.058	34.77	PASS
12	3.0	23165	714.5	16QAM	1@0	20.14	17.6	0.0576	34.77	PASS
12	3.0	23165	714.5	16QAM	1@7	20.2	17.66	0.0583	34.77	PASS
12	3.0	23165	714.5	16QAM	1@14	20.08	17.54	0.0568	34.77	PASS
12	3.0	23165	714.5	16QAM	8@0	19.09	16.55	0.0452	34.77	PASS
12	3.0	23165	714.5	16QAM	8@4	19.14	16.6	0.0457	34.77	PASS
12	3.0	23165	714.5	16QAM	8@7	19.05	16.51	0.0448	34.77	PASS
12	3.0	23165	714.5	16QAM	15@0	19.17	16.63	0.0461	34.77	PASS
12	5.0	23035	701.5	QPSK	1@0	21.53	18.99	0.0792	34.77	PASS
12	5.0	23035	701.5	QPSK	1@12	21.44	18.9	0.0777	34.77	PASS
12	5.0	23035	701.5	QPSK	1@24	21.47	18.93	0.0782	34.77	PASS
12	5.0	23035	701.5	QPSK	12@0	20.39	17.85	0.0609	34.77	PASS
12	5.0	23035	701.5	QPSK	12@6	20.46	17.92	0.0619	34.77	PASS
12	5.0	23035	701.5	QPSK	12@11	20.47	17.93	0.062	34.77	PASS
12	5.0	23035	701.5	QPSK	25@0	20.4	17.86	0.0611	34.77	PASS
12	5.0	23035	701.5	16QAM	1@0	20.31	17.77	0.0598	34.77	PASS
12	5.0	23035	701.5	16QAM	1@12	20.28	17.74	0.0594	34.77	PASS
12	5.0	23035	701.5	16QAM	1@24	20.28	17.74	0.0595	34.77	PASS
12	5.0	23035	701.5	16QAM	12@0	19.37	16.83	0.0482	34.77	PASS
12	5.0	23035	701.5	16QAM	12@6	19.39	16.85	0.0484	34.77	PASS
12	5.0	23035	701.5	16QAM	12@11	19.42	16.88	0.0488	34.77	PASS
12	5.0	23035	701.5	16QAM	25@0	19.42	16.88	0.0488	34.77	PASS
12	5.0	23095	707.5	QPSK	1@0	21.48	18.94	0.0783	34.77	PASS
12	5.0	23095	707.5	QPSK	1@12	21.38	18.84	0.0766	34.77	PASS
12	5.0	23095	707.5	QPSK	1@24	21.4	18.86	0.0769	34.77	PASS
12	5.0	23095	707.5	QPSK	12@0	20.3	17.76	0.0597	34.77	PASS
12	5.0	23095	707.5	QPSK	12@6	20.23	17.69	0.0587	34.77	PASS
12	5.0	23095	707.5	QPSK	12@11	20.32	17.78	0.06	34.77	PASS
12	5.0	23095	707.5	QPSK	25@0	20.26	17.72	0.0591	34.77	PASS
12	5.0	23095	707.5	16QAM	1@0	19.99	17.45	0.0556	34.77	PASS
12	5.0	23095	707.5	16QAM	1@12	19.88	17.34	0.0542	34.77	PASS
12	5.0	23095	707.5	16QAM	1@24	19.92	17.38	0.0547	34.77	PASS
12	5.0	23095	707.5	16QAM	12@0	19.32	16.78	0.0476	34.77	PASS
12	5.0	23095	707.5	16QAM	12@6	19.31	16.77	0.0475	34.77	PASS
12	5.0	23095	707.5	16QAM	12@11	19.31	16.77	0.0475	34.77	PASS
12	5.0	23095	707.5	16QAM	25@0	19.27	16.73	0.0471	34.77	PASS
12	5.0	23155	713.5	QPSK	1@0	21.22	18.68	0.0739	34.77	PASS
12	5.0	23155	713.5	QPSK	1@12	21.21	18.67	0.0735	34.77	PASS
12	5.0	23155	713.5	QPSK	1@24	21.22	18.68	0.0738	34.77	PASS
12	5.0	23155	713.5	QPSK	12@0	20.21	17.67	0.0584	34.77	PASS
12	5.0	23155	713.5	QPSK	12@6	20.23	17.69	0.0587	34.77	PASS
12	5.0	23155	713.5	QPSK	12@11	20.21	17.67	0.0585	34.77	PASS
12	5.0	23155	713.5	QPSK	25@0	20.14	17.6	0.0575	34.77	PASS
12	5.0	23155	713.5	16QAM	1@0	20.53	17.99	0.063	34.77	PASS
12	5.0	23155	713.5	16QAM	1@12	20.5	17.96	0.0626	34.77	PASS
12	5.0	23155	713.5	16QAM	1@24	20.5	17.96	0.0626	34.77	PASS
12	5.0	23155	713.5	16QAM	12@0	19.12	16.58	0.0455	34.77	PASS
12	5.0	23155	713.5	16QAM	12@6	19.11	16.57	0.0454	34.77	PASS
12	5.0	23155	713.5	16QAM	12@11	19.09	16.55	0.0451	34.77	PASS
12	5.0	23155	713.5	16QAM	25@0	19.06	16.52	0.0449	34.77	PASS
12	10.0	23060	704.0	QPSK	1@0	21.36	18.82	0.0763	34.77	PASS
12	10.0	23060	704.0	QPSK	1@24	21.31	18.77	0.0754	34.77	PASS
12	10.0	23060	704.0	QPSK	1@49	21.2	18.66	0.0734	34.77	PASS
12	10.0	23060	704.0	QPSK	25@0	20.38	17.84	0.0608	34.77	PASS
12	10.0	23060	704.0	QPSK	25@12	20.39	17.85	0.0609	34.77	PASS
12	10.0	23060	704.0	QPSK	25@24	20.39	17.85	0.0609	34.77	PASS
12	10.0	23060	704.0	QPSK	50@0	20.39	17.85	0.0609	34.77	PASS
12	10.0	23060	704.0	16QAM	1@0	20.01	17.47	0.0558	34.77	PASS
12	10.0	23060	704.0	16QAM	1@24	19.93	17.39	0.0549	34.77	PASS
12	10.0	23060	704.0	16QAM	1@49	19.84	17.3	0.0537	34.77	PASS
12	10.0	23060	704.0	16QAM	25@0	19.43	16.89	0.0489	34.77	PASS
12	10.0	23060	704.0	16QAM	25@12	19.43	16.89	0.0489	34.77	PASS
12	10.0	23060	704.0	16QAM	25@24	19.44	16.9	0.049	34.77	PASS
12	10.0	23060	704.0	16QAM	50@0	19.4	16.86	0.0486	34.77	PASS
12	10.0	23095	707.5	QPSK	1@0	21.37	18.83	0.0765	34.77	PASS
12	10.0	23095	707.5	QPSK	1@24	21.39	18.85	0.0768	34.77	PASS
12	10.0	23095	707.5	QPSK	1@49	21.27	18.73	0.0746	34.77	PASS
12	10.0	23095	707.5	QPSK	25@0	20.27	17.73	0.0592	34.77	PASS
12	10.0	23095	707.5	QPSK	25@12	20.31	17.77	0.0599	34.77	PASS
12	10.0	23095	707.5	QPSK	25@24	20.31	17.77	0.0598	34.77	PASS
12	10.0	23095	707.5	QPSK	50@0	20.31	17.77	0.0598	34.77	PASS
12	10.0	23095	707.5	16QAM	1@0	20.8	18.26	0.067	34.77	PASS
12	10.0	23095	707.5	16QAM	1@24	20.74	18.2	0.066	34.77	PASS
12	10.0	23095	707.5	16QAM	1@49	20.66	18.12	0.0648	34.77	PASS
12	10.0	23095	707.5	16QAM	25@0	19.31	16.77	0.0476	34.77	PASS
12	10.0	23095	707.5	16QAM	25@12	19.28	16.74	0.0472	34.77	PASS
12	10.0	23095	707.5	16QAM	25@24	19.28	16.74	0.0472	34.77	PASS
12	10.0	23095	707.5	16QAM	50@0	19.32	16.78	0.0477	34.77	PASS
12	10.0	23130	711.0	QPSK	1@0	21.27	18.73	0.0746	34.77	PASS
12	10.0	23130	711.0	QPSK	1@24	21.23	18.69	0.074	34.77	PASS
12	10.0	23130	711.0	QPSK	1@49	21.23	18.69	0.074	34.77	PASS

12	10.0	23130	711.0	QPSK	25@0	20.19	17.65	0.0582	34.77	PASS
12	10.0	23130	711.0	QPSK	25@12	20.2	17.66	0.0584	34.77	PASS
12	10.0	23130	711.0	QPSK	25@24	20.16	17.62	0.0578	34.77	PASS
12	10.0	23130	711.0	QPSK	50@0	20.16	17.62	0.0579	34.77	PASS
12	10.0	23130	711.0	16QAM	1@0	20.26	17.72	0.0592	34.77	PASS
12	10.0	23130	711.0	16QAM	1@24	20.19	17.65	0.0582	34.77	PASS
12	10.0	23130	711.0	16QAM	1@49	20.17	17.63	0.0579	34.77	PASS
12	10.0	23130	711.0	16QAM	25@0	19.22	16.68	0.0466	34.77	PASS
12	10.0	23130	711.0	16QAM	25@12	19.27	16.73	0.0471	34.77	PASS
12	10.0	23130	711.0	16QAM	25@24	19.2	16.66	0.0464	34.77	PASS
12	10.0	23130	711.0	16QAM	50@0	19.18	16.64	0.0461	34.77	PASS

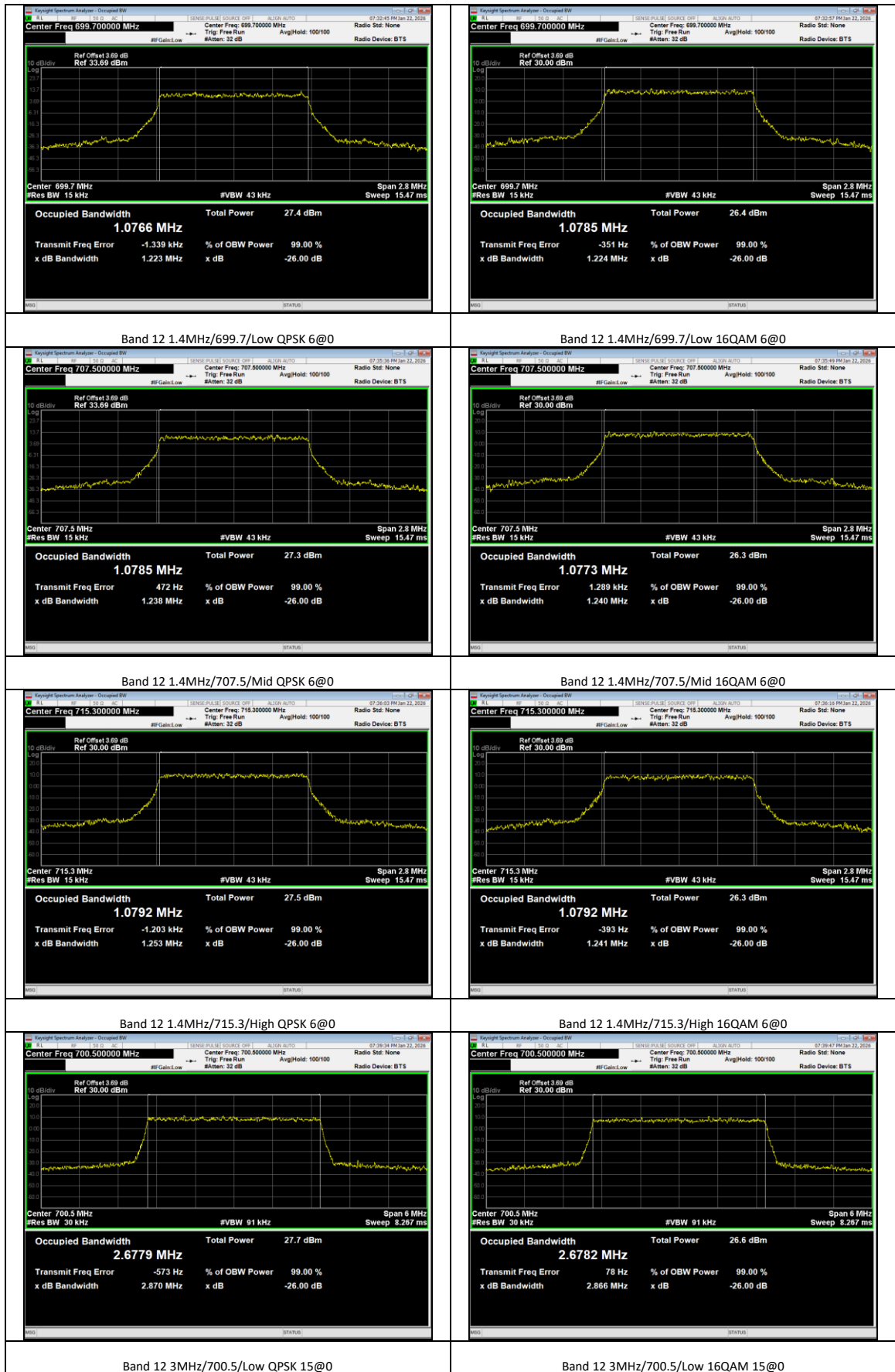
2. Peak to Average Ratio

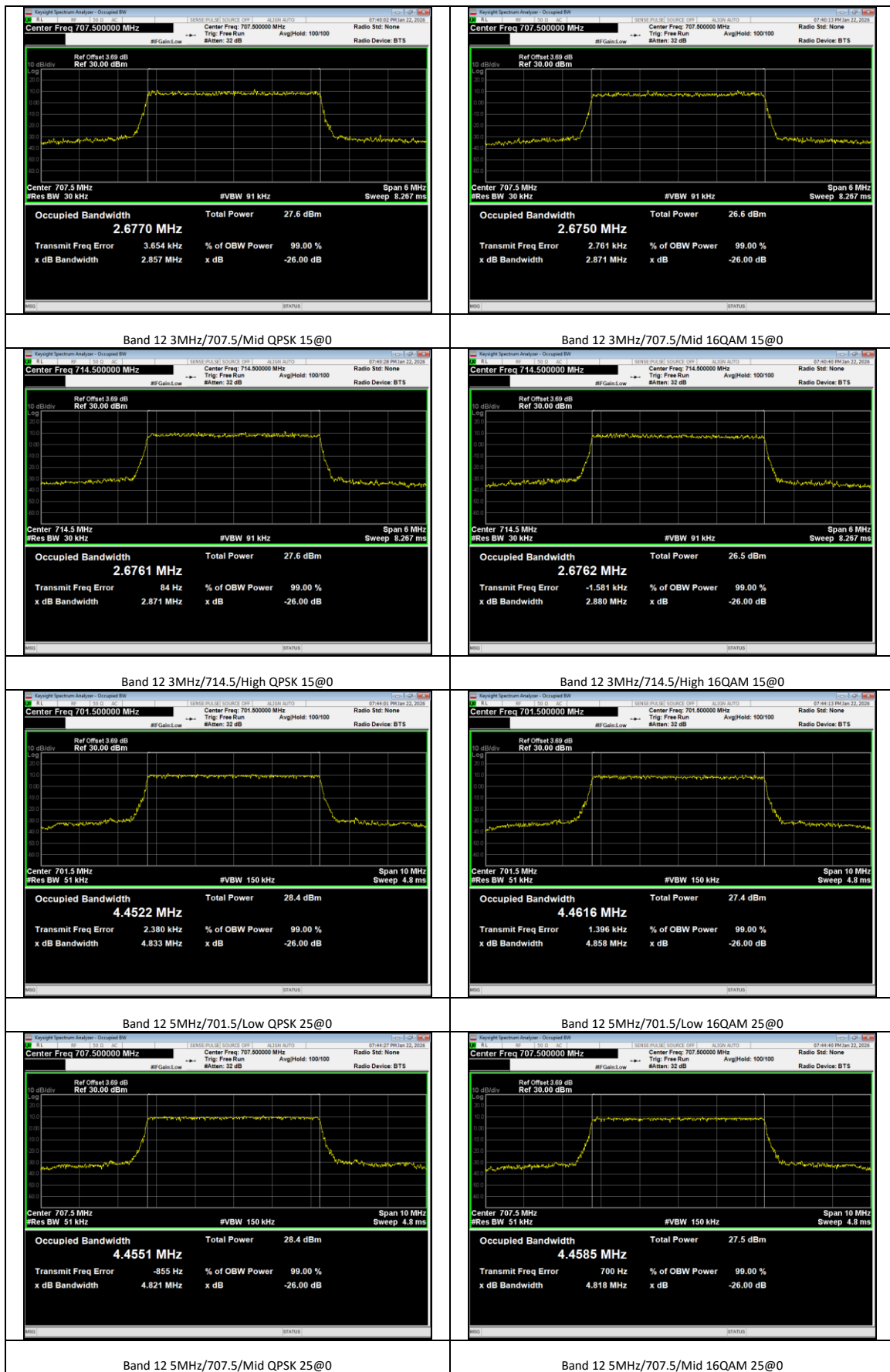
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
12	1.4	23095	707.5	QPSK	6@0	5.62	13	PASS
12	1.4	23095	707.5	16QAM	6@0	6.25	13	PASS
12	3.0	23095	707.5	QPSK	15@0	5.5	13	PASS
12	3.0	23095	707.5	16QAM	15@0	6.39	13	PASS
12	5.0	23095	707.5	QPSK	25@0	5.63	13	PASS
12	5.0	23095	707.5	16QAM	25@0	6.31	13	PASS
12	10.0	23095	707.5	QPSK	50@0	5.58	13	PASS
12	10.0	23095	707.5	16QAM	50@0	6.37	13	PASS

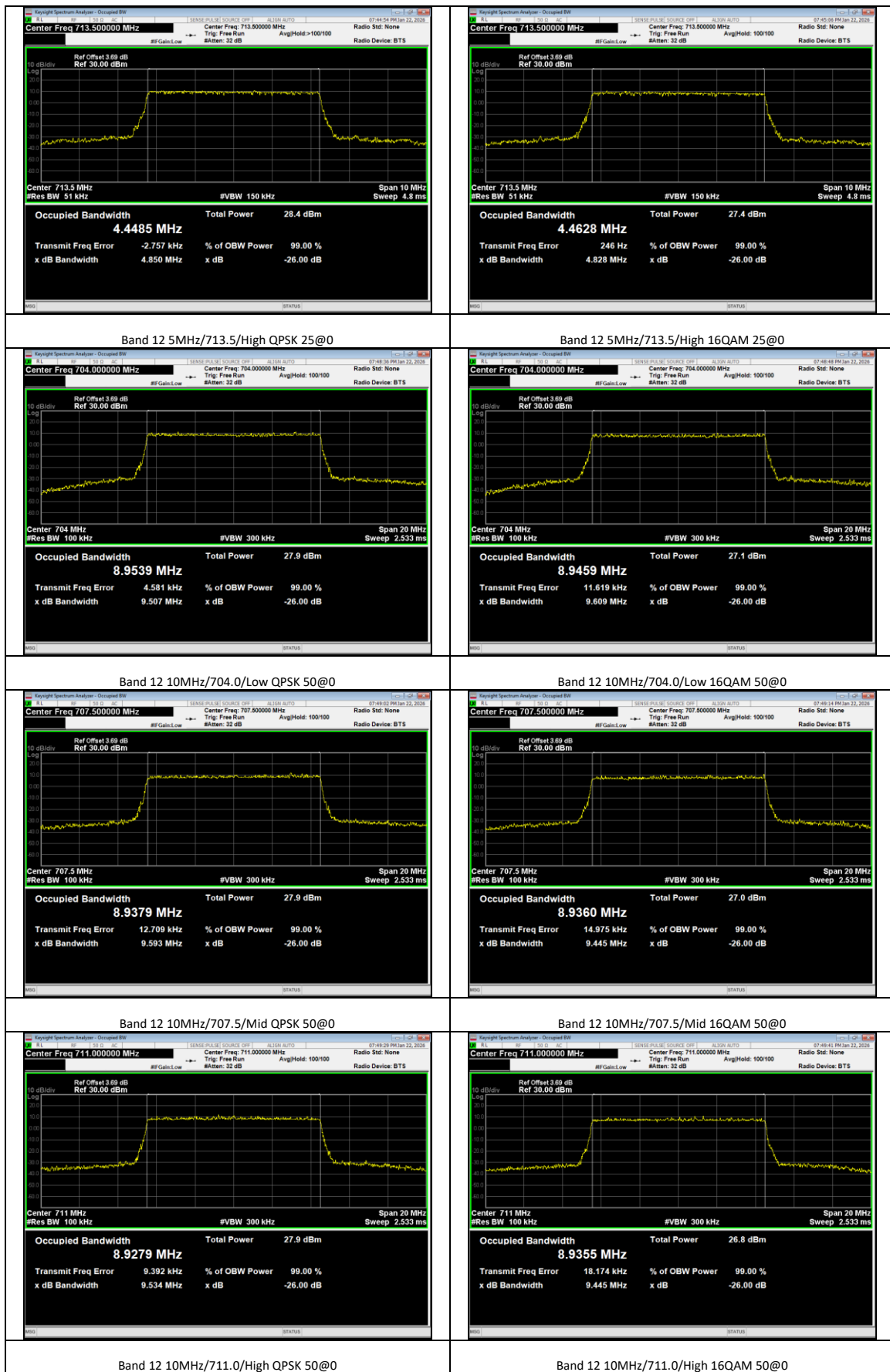


3. Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
12	1.4	23017	699.7	QPSK	6@0	1.0766	1.223	PASS
12	1.4	23017	699.7	16QAM	6@0	1.0785	1.224	PASS
12	1.4	23095	707.5	QPSK	6@0	1.0785	1.238	PASS
12	1.4	23095	707.5	16QAM	6@0	1.0773	1.240	PASS
12	1.4	23173	715.3	QPSK	6@0	1.0792	1.253	PASS
12	1.4	23173	715.3	16QAM	6@0	1.0792	1.241	PASS
12	3.0	23025	700.5	QPSK	15@0	2.6779	2.870	PASS
12	3.0	23025	700.5	16QAM	15@0	2.6782	2.866	PASS
12	3.0	23095	707.5	QPSK	15@0	2.6770	2.857	PASS
12	3.0	23095	707.5	16QAM	15@0	2.6750	2.871	PASS
12	3.0	23165	714.5	QPSK	15@0	2.6761	2.871	PASS
12	3.0	23165	714.5	16QAM	15@0	2.6762	2.880	PASS
12	5.0	23035	701.5	QPSK	25@0	4.4522	4.833	PASS
12	5.0	23035	701.5	16QAM	25@0	4.4616	4.858	PASS
12	5.0	23095	707.5	QPSK	25@0	4.4551	4.821	PASS
12	5.0	23095	707.5	16QAM	25@0	4.4585	4.818	PASS
12	5.0	23155	713.5	QPSK	25@0	4.4485	4.850	PASS
12	5.0	23155	713.5	16QAM	25@0	4.4628	4.828	PASS
12	10.0	23060	704.0	QPSK	50@0	8.9539	9.507	PASS
12	10.0	23060	704.0	16QAM	50@0	8.9459	9.609	PASS
12	10.0	23095	707.5	QPSK	50@0	8.9379	9.593	PASS
12	10.0	23095	707.5	16QAM	50@0	8.9360	9.445	PASS
12	10.0	23130	711.0	QPSK	50@0	8.9279	9.534	PASS
12	10.0	23130	711.0	16QAM	50@0	8.9355	9.445	PASS







4. Unwanted Spurious Emission

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
12	1.4	23017	699.7	QPSK	1@0	30	1000	-46.83	-13	PASS
12	1.4	23017	699.7	QPSK	1@0	1000	4000	-26.59	-13	PASS
12	1.4	23017	699.7	QPSK	1@0	4000	7000	-53.58	-13	PASS
12	1.4	23017	699.7	QPSK	1@0	7000	10000	-52.34	-13	PASS
12	1.4	23017	699.7	16QAM	1@0	30	1000	-46.8	-13	PASS
12	1.4	23017	699.7	16QAM	1@0	1000	4000	-23.61	-13	PASS
12	1.4	23017	699.7	16QAM	1@0	4000	7000	-52.34	-13	PASS
12	1.4	23017	699.7	16QAM	1@0	7000	10000	-53.37	-13	PASS
12	1.4	23173	715.3	QPSK	1@0	30	1000	-47.75	-13	PASS
12	1.4	23173	715.3	QPSK	1@0	1000	4000	-20.66	-13	PASS
12	1.4	23173	715.3	QPSK	1@0	4000	7000	-53.18	-13	PASS
12	1.4	23173	715.3	QPSK	1@0	7000	10000	-53.71	-13	PASS
12	1.4	23173	715.3	16QAM	1@0	30	1000	-47.71	-13	PASS
12	1.4	23173	715.3	16QAM	1@0	1000	4000	-23.02	-13	PASS
12	1.4	23173	715.3	16QAM	1@0	4000	7000	-52.86	-13	PASS
12	1.4	23173	715.3	16QAM	1@0	7000	10000	-53.36	-13	PASS
12	3.0	23025	700.5	QPSK	1@0	30	1000	-47.4	-13	PASS
12	3.0	23025	700.5	QPSK	1@0	1000	4000	-18.32	-13	PASS
12	3.0	23025	700.5	QPSK	1@0	4000	7000	-53.51	-13	PASS
12	3.0	23025	700.5	QPSK	1@0	7000	10000	-54.01	-13	PASS
12	3.0	23025	700.5	16QAM	1@0	30	1000	-47.37	-13	PASS
12	3.0	23025	700.5	16QAM	1@0	1000	4000	-27.89	-13	PASS
12	3.0	23025	700.5	16QAM	1@0	4000	7000	-52.75	-13	PASS
12	3.0	23025	700.5	16QAM	1@0	7000	10000	-53.1	-13	PASS
12	3.0	23165	714.5	QPSK	1@0	30	1000	-47.86	-13	PASS
12	3.0	23165	714.5	QPSK	1@0	1000	4000	-26.52	-13	PASS
12	3.0	23165	714.5	QPSK	1@0	4000	7000	-53.06	-13	PASS
12	3.0	23165	714.5	QPSK	1@0	7000	10000	-53.7	-13	PASS
12	3.0	23165	714.5	16QAM	1@0	30	1000	-47.95	-13	PASS
12	3.0	23165	714.5	16QAM	1@0	1000	4000	-23.63	-13	PASS
12	3.0	23165	714.5	16QAM	1@0	4000	7000	-52.79	-13	PASS
12	3.0	23165	714.5	16QAM	1@0	7000	10000	-53.31	-13	PASS
12	5.0	23035	701.5	QPSK	1@0	30	1000	-46.55	-13	PASS
12	5.0	23035	701.5	QPSK	1@0	1000	4000	-19.47	-13	PASS
12	5.0	23035	701.5	QPSK	1@0	4000	7000	-52.52	-13	PASS
12	5.0	23035	701.5	QPSK	1@0	7000	10000	-52.16	-13	PASS
12	5.0	23035	701.5	16QAM	1@0	30	1000	-47.81	-13	PASS
12	5.0	23035	701.5	16QAM	1@0	1000	4000	-21.88	-13	PASS
12	5.0	23035	701.5	16QAM	1@0	4000	7000	-53.53	-13	PASS
12	5.0	23035	701.5	16QAM	1@0	7000	10000	-53.93	-13	PASS
12	5.0	23155	713.5	QPSK	1@0	30	1000	-47.35	-13	PASS
12	5.0	23155	713.5	QPSK	1@0	1000	4000	-23.92	-13	PASS
12	5.0	23155	713.5	QPSK	1@0	4000	7000	-53.43	-13	PASS
12	5.0	23155	713.5	QPSK	1@0	7000	10000	-53.55	-13	PASS
12	5.0	23155	713.5	16QAM	1@0	30	1000	-47.76	-13	PASS
12	5.0	23155	713.5	16QAM	1@0	1000	4000	-23.38	-13	PASS
12	5.0	23155	713.5	16QAM	1@0	4000	7000	-53.23	-13	PASS
12	5.0	23155	713.5	16QAM	1@0	7000	10000	-53.26	-13	PASS
12	10.0	23060	704.0	QPSK	1@0	30	1000	-47.04	-13	PASS
12	10.0	23060	704.0	QPSK	1@0	1000	4000	-21.26	-13	PASS
12	10.0	23060	704.0	QPSK	1@0	4000	7000	-52.25	-13	PASS
12	10.0	23060	704.0	QPSK	1@0	7000	10000	-53.04	-13	PASS
12	10.0	23060	704.0	16QAM	1@0	30	1000	-47.61	-13	PASS
12	10.0	23060	704.0	16QAM	1@0	1000	4000	-21.96	-13	PASS
12	10.0	23060	704.0	16QAM	1@0	4000	7000	-53.4	-13	PASS
12	10.0	23060	704.0	16QAM	1@0	7000	10000	-54.09	-13	PASS
12	10.0	23130	711.0	QPSK	1@0	30	1000	-47.01	-13	PASS
12	10.0	23130	711.0	QPSK	1@0	1000	4000	-23.9	-13	PASS
12	10.0	23130	711.0	QPSK	1@0	4000	7000	-53.34	-13	PASS
12	10.0	23130	711.0	QPSK	1@0	7000	10000	-53.35	-13	PASS
12	10.0	23130	711.0	16QAM	1@0	30	1000	-47.3	-13	PASS
12	10.0	23130	711.0	16QAM	1@0	1000	4000	-17.82	-13	PASS
12	10.0	23130	711.0	16QAM	1@0	4000	7000	-52.86	-13	PASS
12	10.0	23130	711.0	16QAM	1@0	7000	10000	-52.85	-13	PASS

