

Appendix A Conduction Data for LTE

1.Transmitter Conducted Output Power And ERP/EIRP

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(Limit) (dBm)	Verdict
5	1.4	20407	824.7	QPSK	1@0	23.07	17.95	0.0624	38.45	PASS
5	1.4	20407	824.7	QPSK	1@2	23.23	18.11	0.0648	38.45	PASS
5	1.4	20407	824.7	QPSK	1@5	23.1	17.98	0.0628	38.45	PASS
5	1.4	20407	824.7	QPSK	3@0	23.3	18.18	0.0657	38.45	PASS
5	1.4	20407	824.7	QPSK	3@1	23.28	18.16	0.0655	38.45	PASS
5	1.4	20407	824.7	QPSK	3@2	23.26	18.14	0.0652	38.45	PASS
5	1.4	20407	824.7	QPSK	6@0	22.23	17.11	0.0514	38.45	PASS
5	1.4	20407	824.7	16QAM	1@0	22.17	17.05	0.0508	38.45	PASS
5	1.4	20407	824.7	16QAM	1@2	22.48	17.36	0.0544	38.45	PASS
5	1.4	20407	824.7	16QAM	1@5	22.21	17.09	0.0512	38.45	PASS
5	1.4	20407	824.7	16QAM	3@0	22.21	17.09	0.0512	38.45	PASS
5	1.4	20407	824.7	16QAM	3@1	22.28	17.16	0.0521	38.45	PASS
5	1.4	20407	824.7	16QAM	3@2	22.24	17.12	0.0515	38.45	PASS
5	1.4	20407	824.7	16QAM	6@0	21.15	16.03	0.0401	38.45	PASS
5	1.4	20525	836.5	QPSK	1@0	23.17	18.05	0.0638	38.45	PASS
5	1.4	20525	836.5	QPSK	1@2	23.51	18.39	0.069	38.45	PASS
5	1.4	20525	836.5	QPSK	1@5	23.19	18.07	0.0641	38.45	PASS
5	1.4	20525	836.5	QPSK	3@0	23.19	18.07	0.0641	38.45	PASS
5	1.4	20525	836.5	QPSK	3@1	23.13	18.01	0.0632	38.45	PASS
5	1.4	20525	836.5	QPSK	3@2	23.25	18.13	0.065	38.45	PASS
5	1.4	20525	836.5	QPSK	6@0	22.36	17.24	0.053	38.45	PASS
5	1.4	20525	836.5	16QAM	1@0	21.89	16.77	0.0475	38.45	PASS
5	1.4	20525	836.5	16QAM	1@2	22.02	16.9	0.049	38.45	PASS
5	1.4	20525	836.5	16QAM	1@5	21.99	16.87	0.0487	38.45	PASS
5	1.4	20525	836.5	16QAM	3@0	22.29	17.17	0.0521	38.45	PASS
5	1.4	20525	836.5	16QAM	3@1	22.25	17.13	0.0517	38.45	PASS
5	1.4	20525	836.5	16QAM	3@2	22.28	17.16	0.052	38.45	PASS
5	1.4	20525	836.5	16QAM	6@0	21.34	16.22	0.0419	38.45	PASS
5	1.4	20643	848.3	QPSK	1@0	23.14	18.02	0.0634	38.45	PASS
5	1.4	20643	848.3	QPSK	1@2	23.41	18.29	0.0674	38.45	PASS
5	1.4	20643	848.3	QPSK	1@5	23.07	17.95	0.0623	38.45	PASS
5	1.4	20643	848.3	QPSK	3@0	23.29	18.17	0.0656	38.45	PASS
5	1.4	20643	848.3	QPSK	3@1	23.28	18.16	0.0654	38.45	PASS
5	1.4	20643	848.3	QPSK	3@2	23.27	18.15	0.0654	38.45	PASS
5	1.4	20643	848.3	QPSK	6@0	22.22	17.1	0.0513	38.45	PASS
5	1.4	20643	848.3	16QAM	1@0	21.91	16.79	0.0477	38.45	PASS
5	1.4	20643	848.3	16QAM	1@2	22.0	16.88	0.0488	38.45	PASS
5	1.4	20643	848.3	16QAM	1@5	21.99	16.87	0.0486	38.45	PASS
5	1.4	20643	848.3	16QAM	3@0	22.36	17.24	0.053	38.45	PASS
5	1.4	20643	848.3	16QAM	3@1	22.37	17.25	0.053	38.45	PASS
5	1.4	20643	848.3	16QAM	3@2	22.32	17.2	0.0524	38.45	PASS
5	1.4	20643	848.3	16QAM	6@0	21.27	16.15	0.0412	38.45	PASS
5	3.0	20415	825.5	QPSK	1@0	23.14	18.02	0.0634	38.45	PASS
5	3.0	20415	825.5	QPSK	1@7	23.29	18.17	0.0656	38.45	PASS
5	3.0	20415	825.5	QPSK	1@14	23.23	18.11	0.0647	38.45	PASS
5	3.0	20415	825.5	QPSK	8@0	22.32	17.2	0.0525	38.45	PASS
5	3.0	20415	825.5	QPSK	8@4	22.29	17.17	0.0521	38.45	PASS
5	3.0	20415	825.5	QPSK	8@7	22.26	17.14	0.0518	38.45	PASS
5	3.0	20415	825.5	QPSK	15@0	22.19	17.07	0.051	38.45	PASS
5	3.0	20415	825.5	16QAM	1@0	22.4	17.28	0.0535	38.45	PASS
5	3.0	20415	825.5	16QAM	1@7	22.46	17.34	0.0542	38.45	PASS
5	3.0	20415	825.5	16QAM	1@14	22.34	17.22	0.0527	38.45	PASS
5	3.0	20415	825.5	16QAM	8@0	21.18	16.06	0.0404	38.45	PASS
5	3.0	20415	825.5	16QAM	8@4	21.16	16.04	0.0402	38.45	PASS
5	3.0	20415	825.5	16QAM	8@7	21.22	16.1	0.0407	38.45	PASS
5	3.0	20415	825.5	16QAM	15@0	21.27	16.15	0.0412	38.45	PASS
5	3.0	20525	836.5	QPSK	1@0	23.34	18.22	0.0663	38.45	PASS
5	3.0	20525	836.5	QPSK	1@7	23.34	18.22	0.0663	38.45	PASS
5	3.0	20525	836.5	QPSK	1@14	23.37	18.25	0.0668	38.45	PASS
5	3.0	20525	836.5	QPSK	8@0	22.27	17.15	0.0519	38.45	PASS
5	3.0	20525	836.5	QPSK	8@4	22.28	17.16	0.052	38.45	PASS
5	3.0	20525	836.5	QPSK	8@7	22.24	17.12	0.0515	38.45	PASS
5	3.0	20525	836.5	QPSK	15@0	22.22	17.1	0.0513	38.45	PASS
5	3.0	20525	836.5	16QAM	1@0	21.99	16.87	0.0487	38.45	PASS
5	3.0	20525	836.5	16QAM	1@7	22.01	16.89	0.0488	38.45	PASS
5	3.0	20525	836.5	16QAM	1@14	21.94	16.82	0.0481	38.45	PASS
5	3.0	20525	836.5	16QAM	8@0	21.36	16.24	0.0421	38.45	PASS
5	3.0	20525	836.5	16QAM	8@4	21.38	16.26	0.0423	38.45	PASS
5	3.0	20525	836.5	16QAM	8@7	21.47	16.35	0.0431	38.45	PASS
5	3.0	20525	836.5	16QAM	15@0	21.18	16.06	0.0403	38.45	PASS
5	3.0	20635	847.5	QPSK	1@0	23.23	18.11	0.0647	38.45	PASS
5	3.0	20635	847.5	QPSK	1@7	23.22	18.1	0.0646	38.45	PASS
5	3.0	20635	847.5	QPSK	1@14	23.15	18.03	0.0635	38.45	PASS
5	3.0	20635	847.5	QPSK	8@0	22.28	17.16	0.052	38.45	PASS



5	3.0	20635	847.5	QPSK	8@4	22.28	17.16	0.052	38.45	PASS
5	3.0	20635	847.5	QPSK	8@7	22.31	17.19	0.0523	38.45	PASS
5	3.0	20635	847.5	QPSK	15@0	22.22	17.1	0.0513	38.45	PASS
5	3.0	20635	847.5	16QAM	1@0	22.72	17.6	0.0575	38.45	PASS
5	3.0	20635	847.5	16QAM	1@7	22.69	17.57	0.0572	38.45	PASS
5	3.0	20635	847.5	16QAM	1@14	22.62	17.5	0.0563	38.45	PASS
5	3.0	20635	847.5	16QAM	8@0	21.4	16.28	0.0424	38.45	PASS
5	3.0	20635	847.5	16QAM	8@4	21.33	16.21	0.0417	38.45	PASS
5	3.0	20635	847.5	16QAM	8@7	21.36	16.24	0.042	38.45	PASS
5	3.0	20635	847.5	16QAM	15@0	21.28	16.16	0.0413	38.45	PASS
5	5.0	20425	826.5	QPSK	1@0	23.24	18.12	0.0648	38.45	PASS
5	5.0	20425	826.5	QPSK	1@12	23.41	18.29	0.0675	38.45	PASS
5	5.0	20425	826.5	QPSK	1@24	23.33	18.21	0.0662	38.45	PASS
5	5.0	20425	826.5	QPSK	12@0	22.29	17.17	0.0521	38.45	PASS
5	5.0	20425	826.5	QPSK	12@6	22.29	17.17	0.0521	38.45	PASS
5	5.0	20425	826.5	QPSK	12@11	22.19	17.07	0.0509	38.45	PASS
5	5.0	20425	826.5	QPSK	25@0	22.2	17.08	0.0511	38.45	PASS
5	5.0	20425	826.5	16QAM	1@0	22.55	17.43	0.0554	38.45	PASS
5	5.0	20425	826.5	16QAM	1@12	22.68	17.56	0.0571	38.45	PASS
5	5.0	20425	826.5	16QAM	1@24	22.62	17.5	0.0562	38.45	PASS
5	5.0	20425	826.5	16QAM	12@0	21.1	15.98	0.0396	38.45	PASS
5	5.0	20425	826.5	16QAM	12@6	21.13	16.01	0.0399	38.45	PASS
5	5.0	20425	826.5	16QAM	12@11	21.13	16.01	0.0399	38.45	PASS
5	5.0	20425	826.5	16QAM	25@0	21.13	16.01	0.0399	38.45	PASS
5	5.0	20525	836.5	QPSK	1@0	23.14	18.02	0.0633	38.45	PASS
5	5.0	20525	836.5	QPSK	1@12	23.42	18.3	0.0677	38.45	PASS
5	5.0	20525	836.5	QPSK	1@24	23.28	18.16	0.0655	38.45	PASS
5	5.0	20525	836.5	QPSK	12@0	22.17	17.05	0.0507	38.45	PASS
5	5.0	20525	836.5	QPSK	12@6	22.25	17.13	0.0517	38.45	PASS
5	5.0	20525	836.5	QPSK	12@11	22.24	17.12	0.0515	38.45	PASS
5	5.0	20525	836.5	QPSK	25@0	22.24	17.12	0.0515	38.45	PASS
5	5.0	20525	836.5	16QAM	1@0	22.25	17.13	0.0517	38.45	PASS
5	5.0	20525	836.5	16QAM	1@12	22.36	17.24	0.053	38.45	PASS
5	5.0	20525	836.5	16QAM	1@24	22.24	17.12	0.0516	38.45	PASS
5	5.0	20525	836.5	16QAM	12@0	21.16	16.04	0.0402	38.45	PASS
5	5.0	20525	836.5	16QAM	12@6	21.27	16.15	0.0412	38.45	PASS
5	5.0	20525	836.5	16QAM	12@11	21.14	16.02	0.04	38.45	PASS
5	5.0	20525	836.5	16QAM	25@0	21.26	16.14	0.0411	38.45	PASS
5	5.0	20625	846.5	QPSK	1@0	23.12	18.0	0.0632	38.45	PASS
5	5.0	20625	846.5	QPSK	1@12	23.33	18.21	0.0662	38.45	PASS
5	5.0	20625	846.5	QPSK	1@24	23.17	18.05	0.0639	38.45	PASS
5	5.0	20625	846.5	QPSK	12@0	22.28	17.16	0.052	38.45	PASS
5	5.0	20625	846.5	QPSK	12@6	22.36	17.24	0.053	38.45	PASS
5	5.0	20625	846.5	QPSK	12@11	22.27	17.15	0.0519	38.45	PASS
5	5.0	20625	846.5	QPSK	25@0	22.25	17.13	0.0516	38.45	PASS
5	5.0	20625	846.5	16QAM	1@0	21.84	16.72	0.0469	38.45	PASS
5	5.0	20625	846.5	16QAM	1@12	22.1	16.98	0.0499	38.45	PASS
5	5.0	20625	846.5	16QAM	1@24	21.8	16.68	0.0466	38.45	PASS
5	5.0	20625	846.5	16QAM	12@0	21.23	16.11	0.0408	38.45	PASS
5	5.0	20625	846.5	16QAM	12@6	21.27	16.15	0.0412	38.45	PASS
5	5.0	20625	846.5	16QAM	12@11	21.19	16.07	0.0404	38.45	PASS
5	5.0	20625	846.5	16QAM	25@0	21.32	16.2	0.0417	38.45	PASS
5	10.0	20450	829.0	QPSK	1@0	23.14	18.02	0.0634	38.45	PASS
5	10.0	20450	829.0	QPSK	1@24	23.44	18.32	0.068	38.45	PASS
5	10.0	20450	829.0	QPSK	1@49	23.21	18.09	0.0644	38.45	PASS
5	10.0	20450	829.0	QPSK	25@0	22.33	17.21	0.0525	38.45	PASS
5	10.0	20450	829.0	QPSK	25@12	22.32	17.2	0.0524	38.45	PASS
5	10.0	20450	829.0	QPSK	25@24	22.32	17.2	0.0525	38.45	PASS
5	10.0	20450	829.0	QPSK	50@0	22.32	17.2	0.0525	38.45	PASS
5	10.0	20450	829.0	16QAM	1@0	22.41	17.29	0.0536	38.45	PASS
5	10.0	20450	829.0	16QAM	1@24	22.42	17.3	0.0537	38.45	PASS
5	10.0	20450	829.0	16QAM	1@49	22.32	17.2	0.0525	38.45	PASS
5	10.0	20450	829.0	16QAM	25@0	21.43	16.31	0.0428	38.45	PASS
5	10.0	20450	829.0	16QAM	25@12	21.35	16.23	0.042	38.45	PASS
5	10.0	20450	829.0	16QAM	25@24	21.36	16.24	0.042	38.45	PASS
5	10.0	20450	829.0	16QAM	50@0	21.31	16.19	0.0416	38.45	PASS
5	10.0	20525	836.5	QPSK	1@0	23.32	18.2	0.0661	38.45	PASS
5	10.0	20525	836.5	QPSK	1@24	23.48	18.36	0.0686	38.45	PASS
5	10.0	20525	836.5	QPSK	1@49	23.33	18.21	0.0662	38.45	PASS
5	10.0	20525	836.5	QPSK	25@0	22.32	17.2	0.0524	38.45	PASS
5	10.0	20525	836.5	QPSK	25@12	22.29	17.17	0.0522	38.45	PASS
5	10.0	20525	836.5	QPSK	25@24	22.31	17.19	0.0523	38.45	PASS
5	10.0	20525	836.5	QPSK	50@0	22.38	17.26	0.0532	38.45	PASS
5	10.0	20525	836.5	16QAM	1@0	22.03	16.91	0.0491	38.45	PASS
5	10.0	20525	836.5	16QAM	1@24	22.05	16.93	0.0493	38.45	PASS
5	10.0	20525	836.5	16QAM	1@49	22.04	16.92	0.0492	38.45	PASS
5	10.0	20525	836.5	16QAM	25@0	21.3	16.18	0.0415	38.45	PASS
5	10.0	20525	836.5	16QAM	25@12	21.36	16.24	0.0421	38.45	PASS
5	10.0	20525	836.5	16QAM	25@24	21.35	16.23	0.042	38.45	PASS
5	10.0	20525	836.5	16QAM	50@0	21.27	16.15	0.0412	38.45	PASS
5	10.0	20600	844.0	QPSK	1@0	23.27	18.15	0.0653	38.45	PASS
5	10.0	20600	844.0	QPSK	1@24	23.3	18.18	0.0658	38.45	PASS
5	10.0	20600	844.0	QPSK	1@49	23.25	18.13	0.0649	38.45	PASS
5	10.0	20600	844.0	QPSK	25@0	22.32	17.2	0.0525	38.45	PASS
5	10.0	20600	844.0	QPSK	25@12	22.28	17.16	0.052	38.45	PASS
5	10.0	20600	844.0	QPSK	25@24	22.29	17.17	0.0522	38.45	PASS

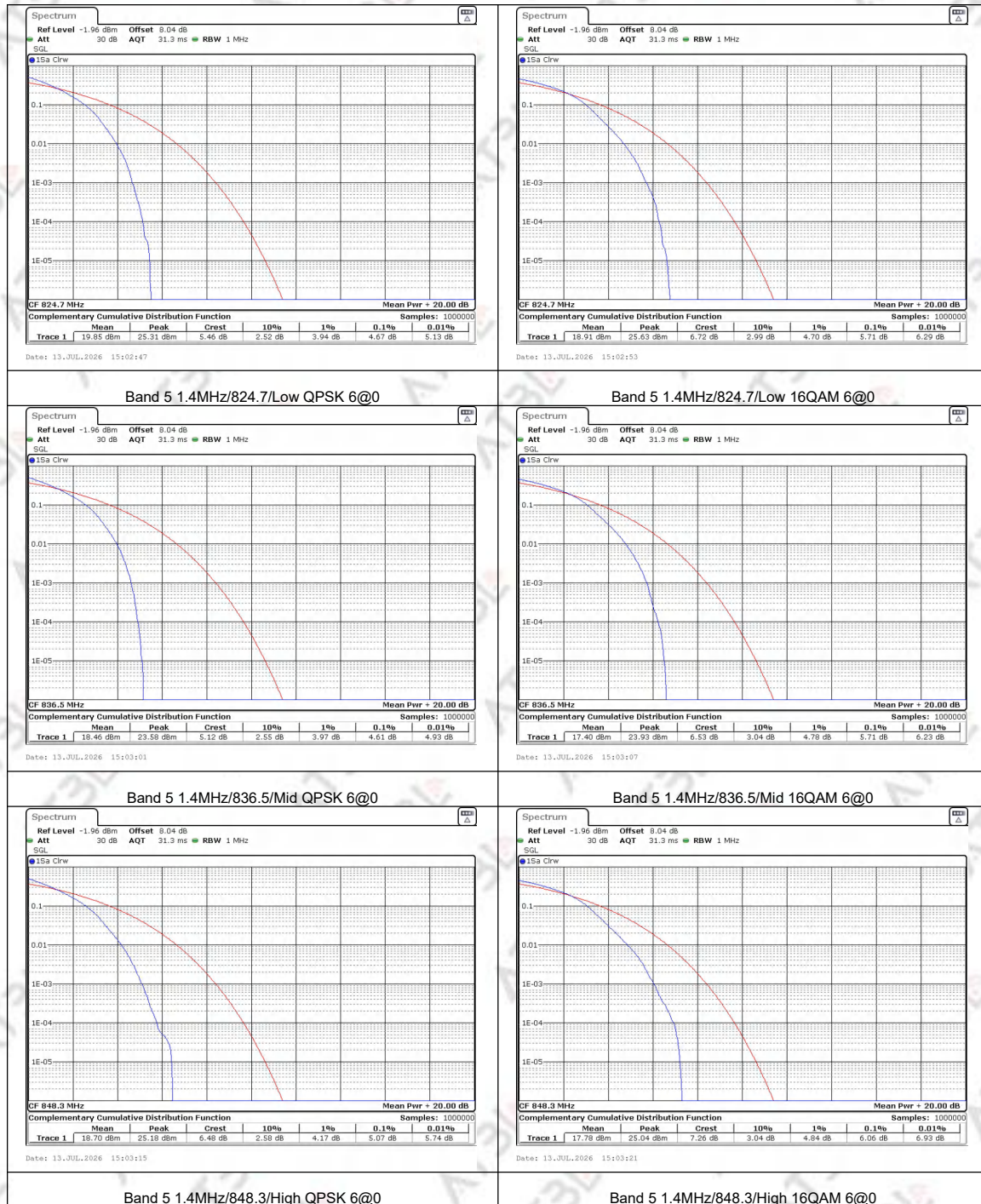
5	10.0	20600	844.0	QPSK	50@0	22.31	17.19	0.0524	38.45	PASS
5	10.0	20600	844.0	16QAM	1@0	22.63	17.51	0.0564	38.45	PASS
5	10.0	20600	844.0	16QAM	1@24	22.76	17.64	0.0581	38.45	PASS
5	10.0	20600	844.0	16QAM	1@49	22.73	17.61	0.0577	38.45	PASS
5	10.0	20600	844.0	16QAM	25@0	21.36	16.24	0.0421	38.45	PASS
5	10.0	20600	844.0	16QAM	25@12	21.29	16.17	0.0414	38.45	PASS
5	10.0	20600	844.0	16QAM	25@24	21.3	16.18	0.0415	38.45	PASS
5	10.0	20600	844.0	16QAM	50@0	21.2	16.08	0.0405	38.45	PASS

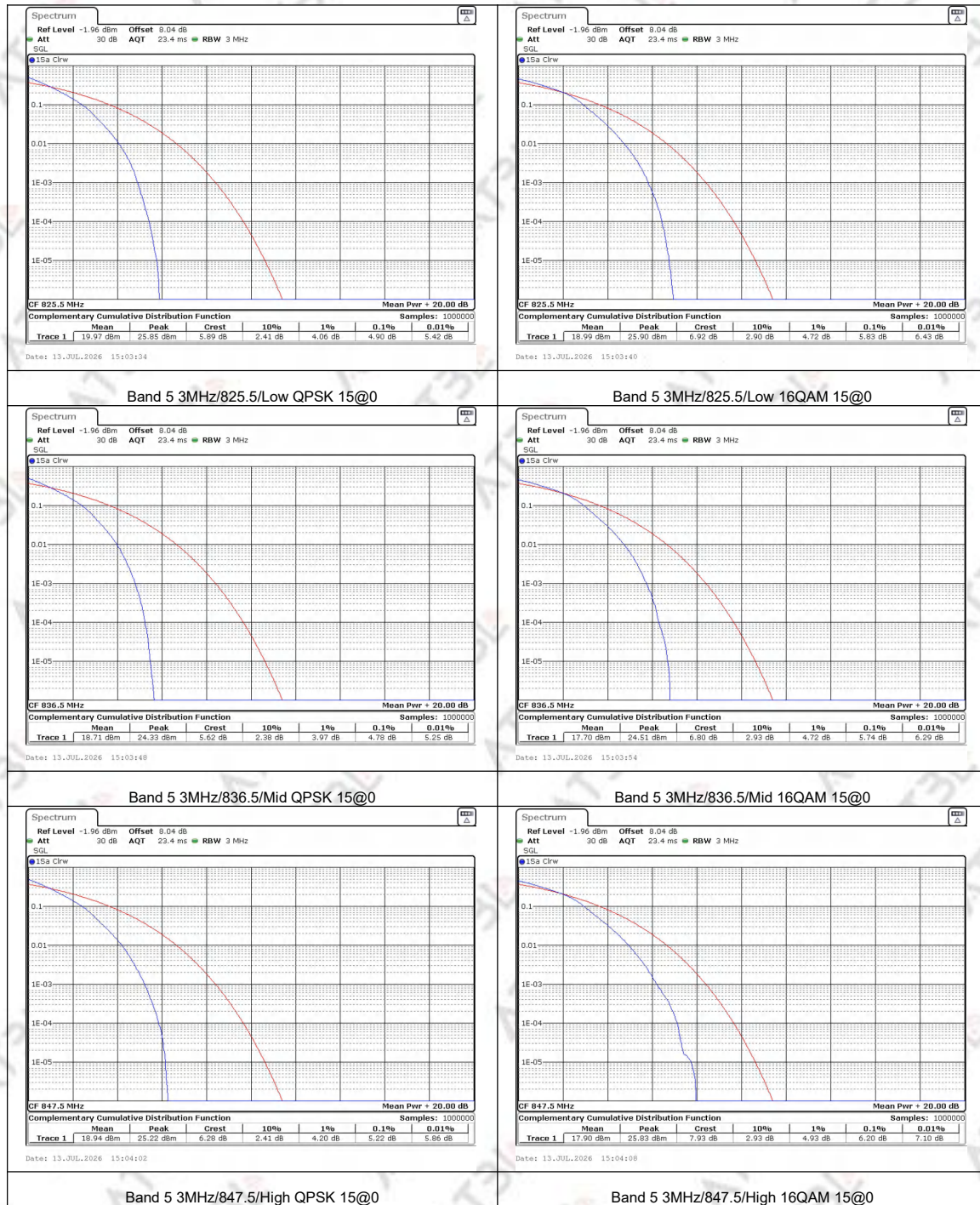
2.Peak to Average Ratio

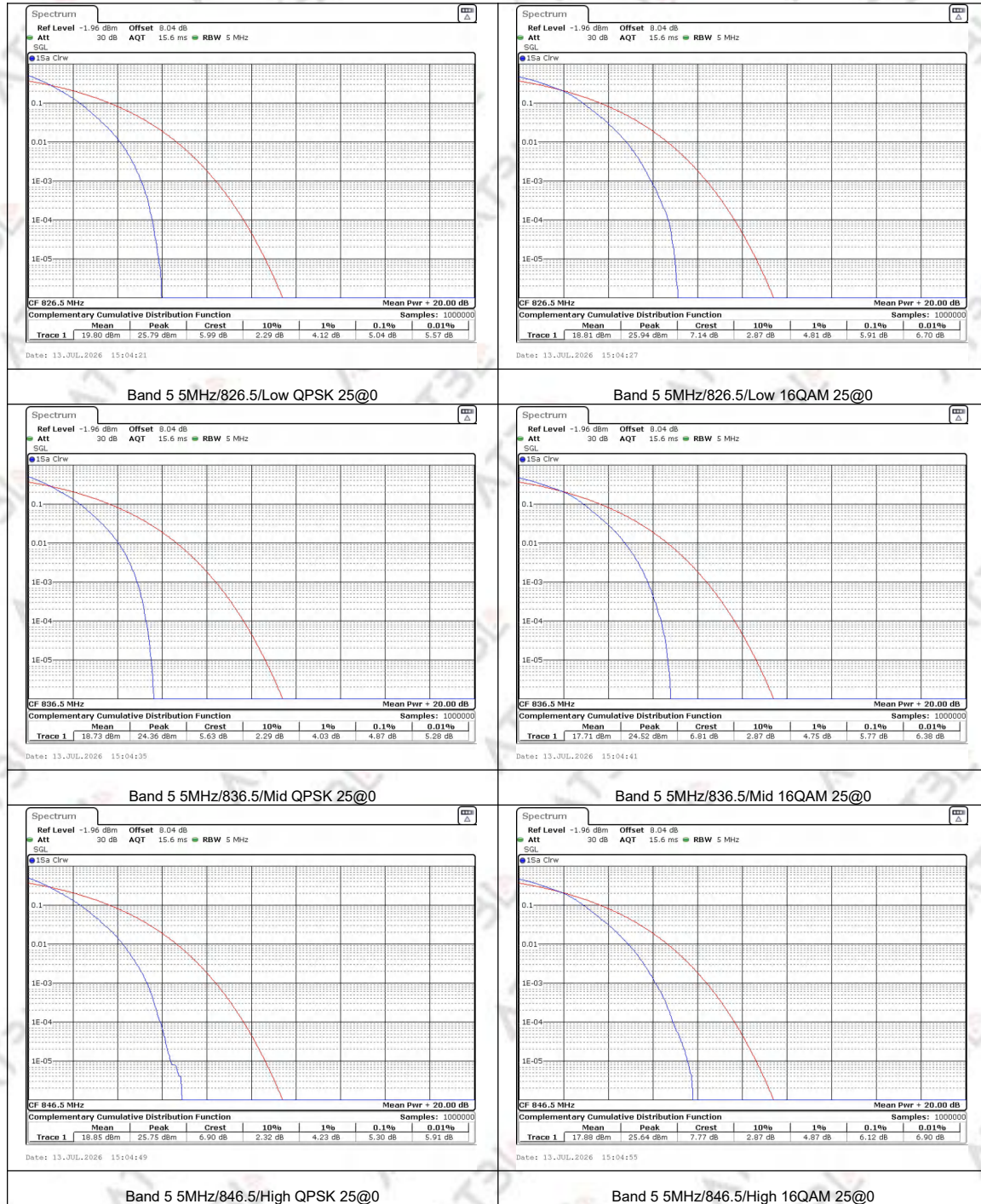
Test Result

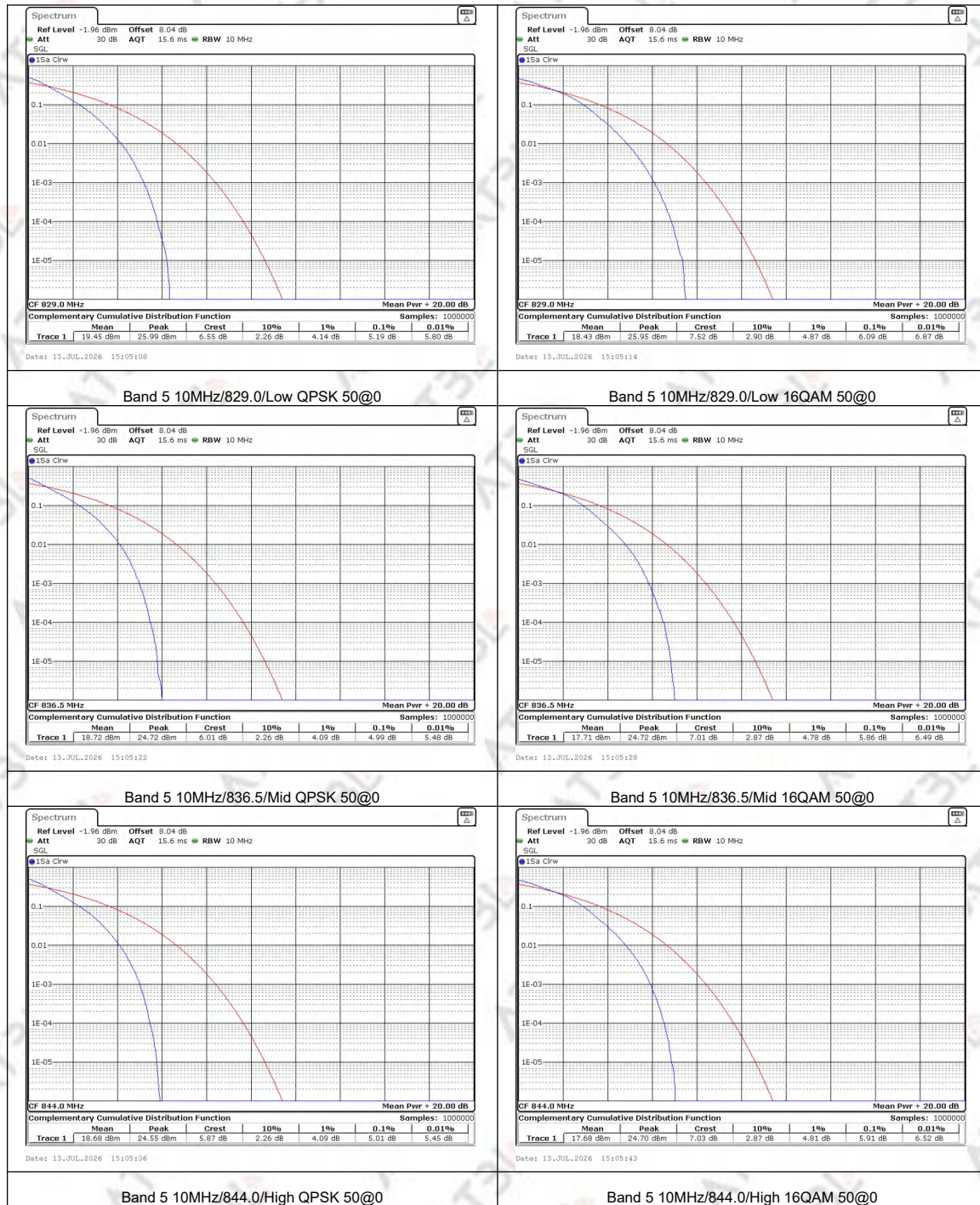
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	1.4	20407	824.7	QPSK	6@0	4.67	13	PASS
5	1.4	20407	824.7	16QAM	6@0	5.71	13	PASS
5	1.4	20525	836.5	QPSK	6@0	4.61	13	PASS
5	1.4	20525	836.5	16QAM	6@0	5.71	13	PASS
5	1.4	20643	848.3	QPSK	6@0	5.07	13	PASS
5	1.4	20643	848.3	16QAM	6@0	6.06	13	PASS
5	3.0	20415	825.5	QPSK	15@0	4.9	13	PASS
5	3.0	20415	825.5	16QAM	15@0	5.83	13	PASS
5	3.0	20525	836.5	QPSK	15@0	4.78	13	PASS
5	3.0	20525	836.5	16QAM	15@0	5.74	13	PASS
5	3.0	20635	847.5	QPSK	15@0	5.22	13	PASS
5	3.0	20635	847.5	16QAM	15@0	6.2	13	PASS
5	5.0	20425	826.5	QPSK	25@0	5.04	13	PASS
5	5.0	20425	826.5	16QAM	25@0	5.91	13	PASS
5	5.0	20525	836.5	QPSK	25@0	4.87	13	PASS
5	5.0	20525	836.5	16QAM	25@0	5.77	13	PASS
5	5.0	20625	846.5	QPSK	25@0	5.3	13	PASS
5	5.0	20625	846.5	16QAM	25@0	6.12	13	PASS
5	10.0	20450	829.0	QPSK	50@0	5.19	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.09	13	PASS
5	10.0	20525	836.5	QPSK	50@0	4.99	13	PASS
5	10.0	20525	836.5	16QAM	50@0	5.86	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.01	13	PASS
5	10.0	20600	844.0	16QAM	50@0	5.91	13	PASS

Test Graphs







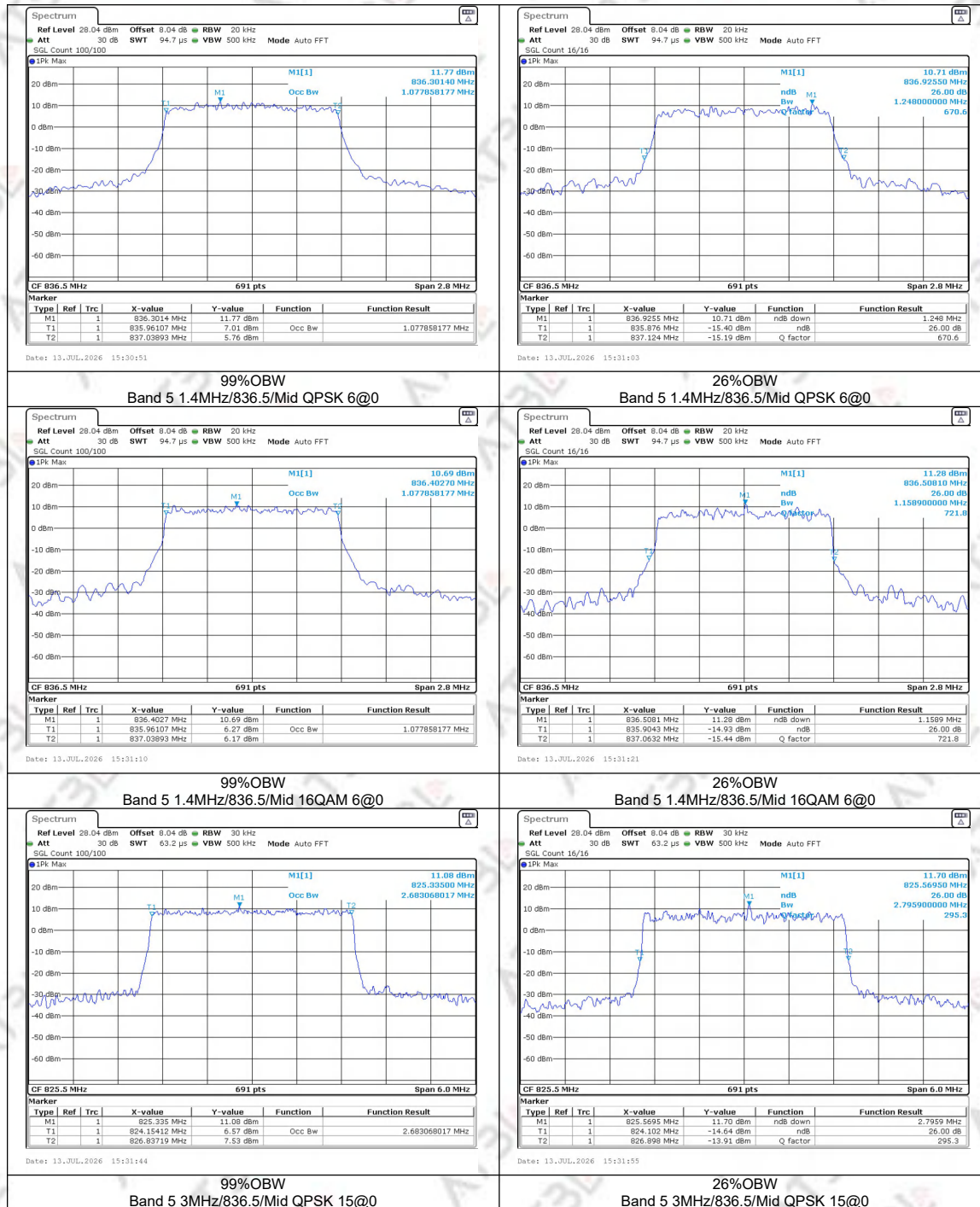


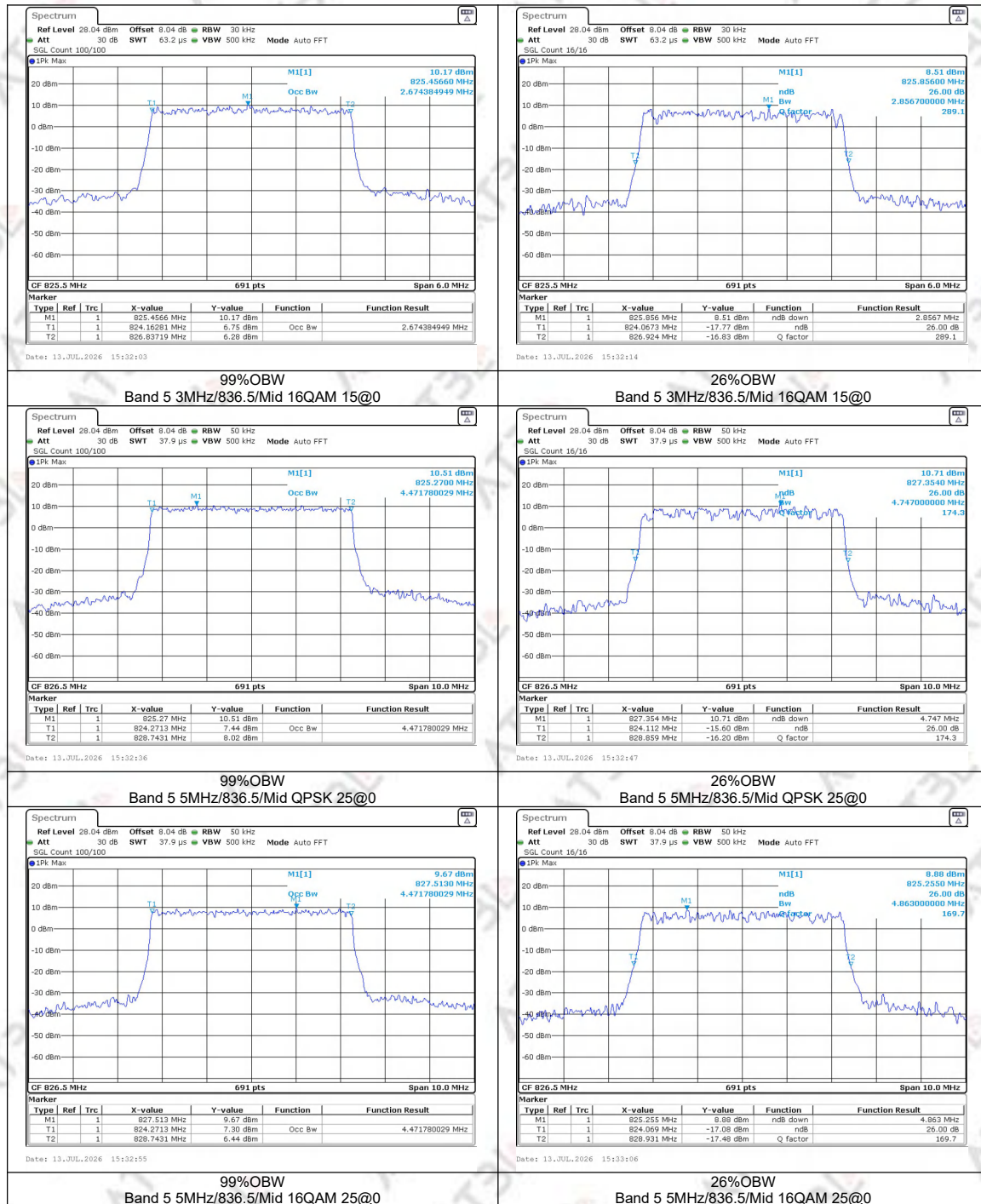
3.Occupied Bandwidth

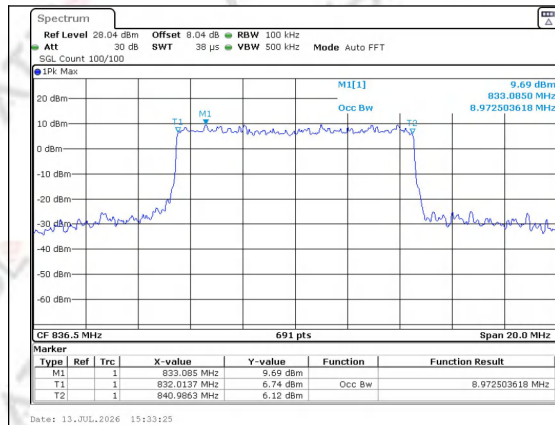
Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
5	1.4	20525	836.5	QPSK	6@0	1.0779	1.248	PASS
5	1.4	20525	836.5	16QAM	6@0	1.0779	1.159	PASS
5	3.0	20525	825.5	QPSK	15@0	2.6831	2.796	PASS
5	3.0	20525	825.5	16QAM	15@0	2.6744	2.857	PASS
5	5.0	20525	826.5	QPSK	25@0	4.4718	4.747	PASS
5	5.0	20525	826.5	16QAM	25@0	4.4718	4.863	PASS
5	10.0	20525	836.5	QPSK	50@0	8.9725	9.262	PASS
5	10.0	20525	836.5	16QAM	50@0	8.9436	9.262	PASS

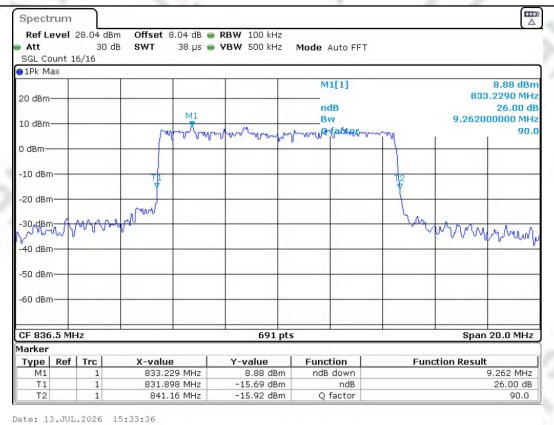
Test Graphs



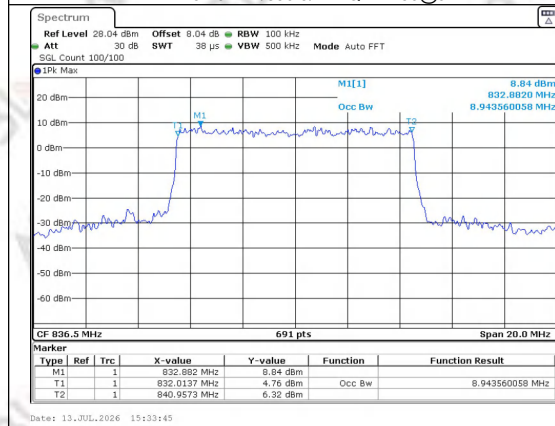




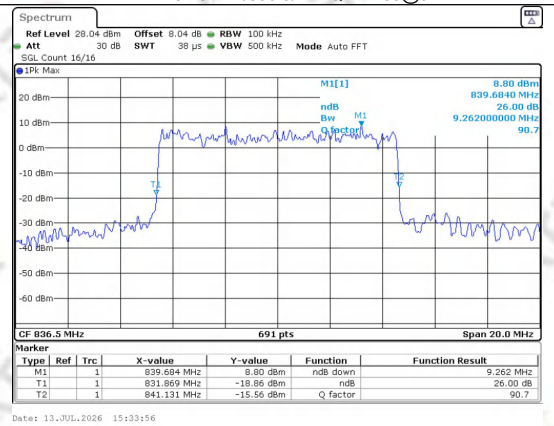
99%OBW
Band 5 10MHz/836.5/Mid QPSK 50@0



26%OBW
Band 5 10MHz/836.5/Mid QPSK 50@0



99%OBW
Band 5 10MHz/836.5/Mid 16QAM 50@0



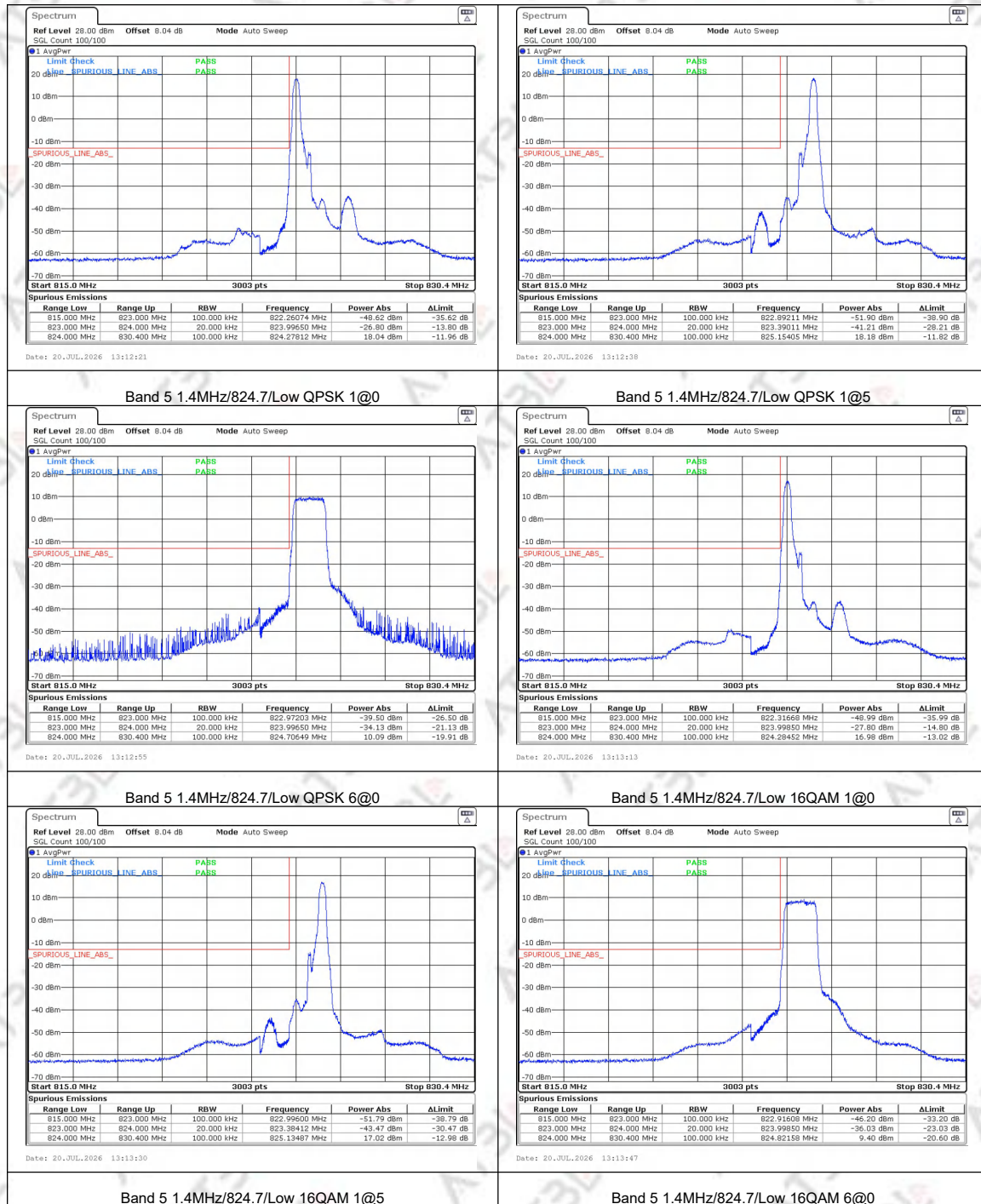
26%OBW
Band 5 10MHz/836.5/Mid 16QAM 50@0

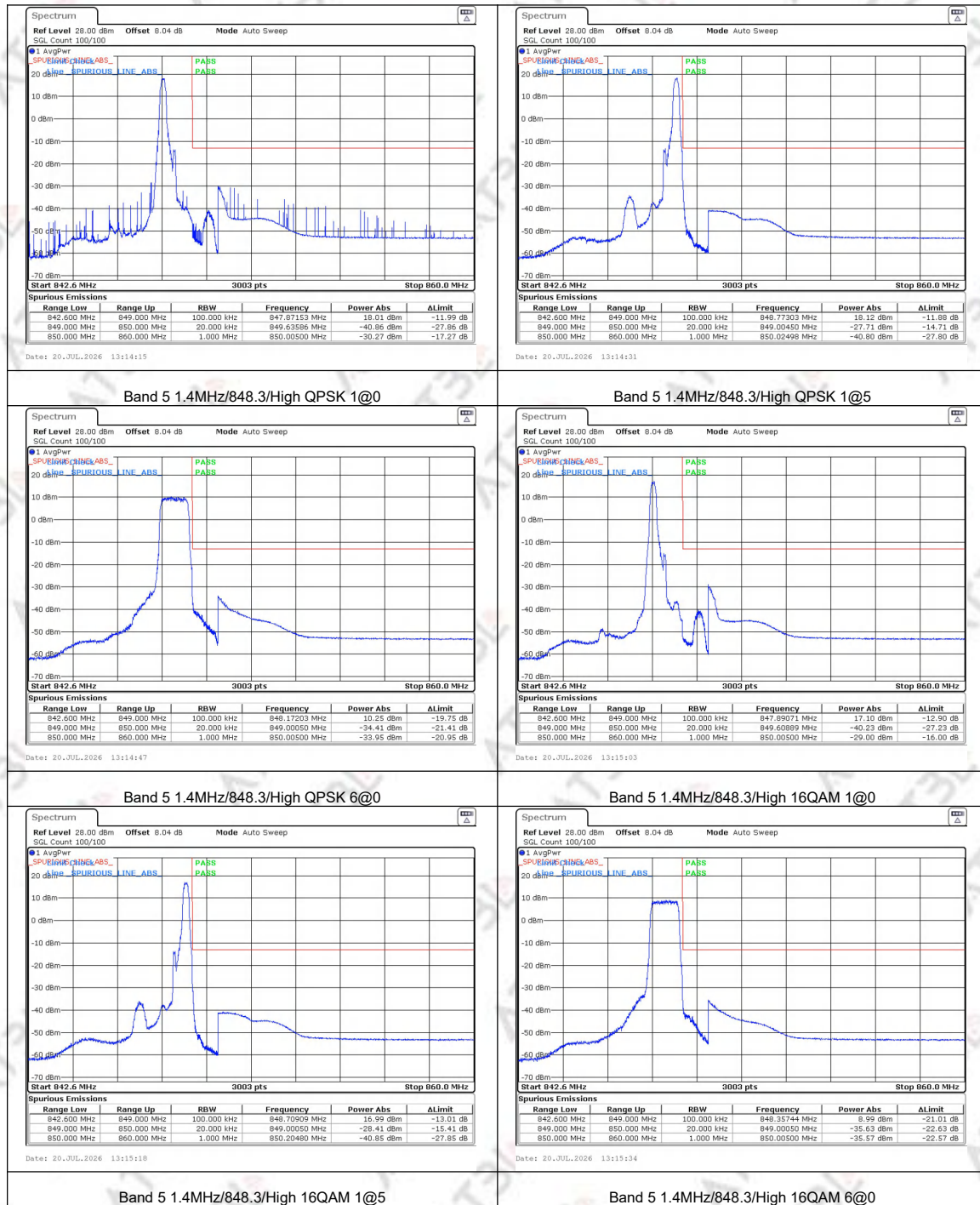
4. Conducted Band Edge

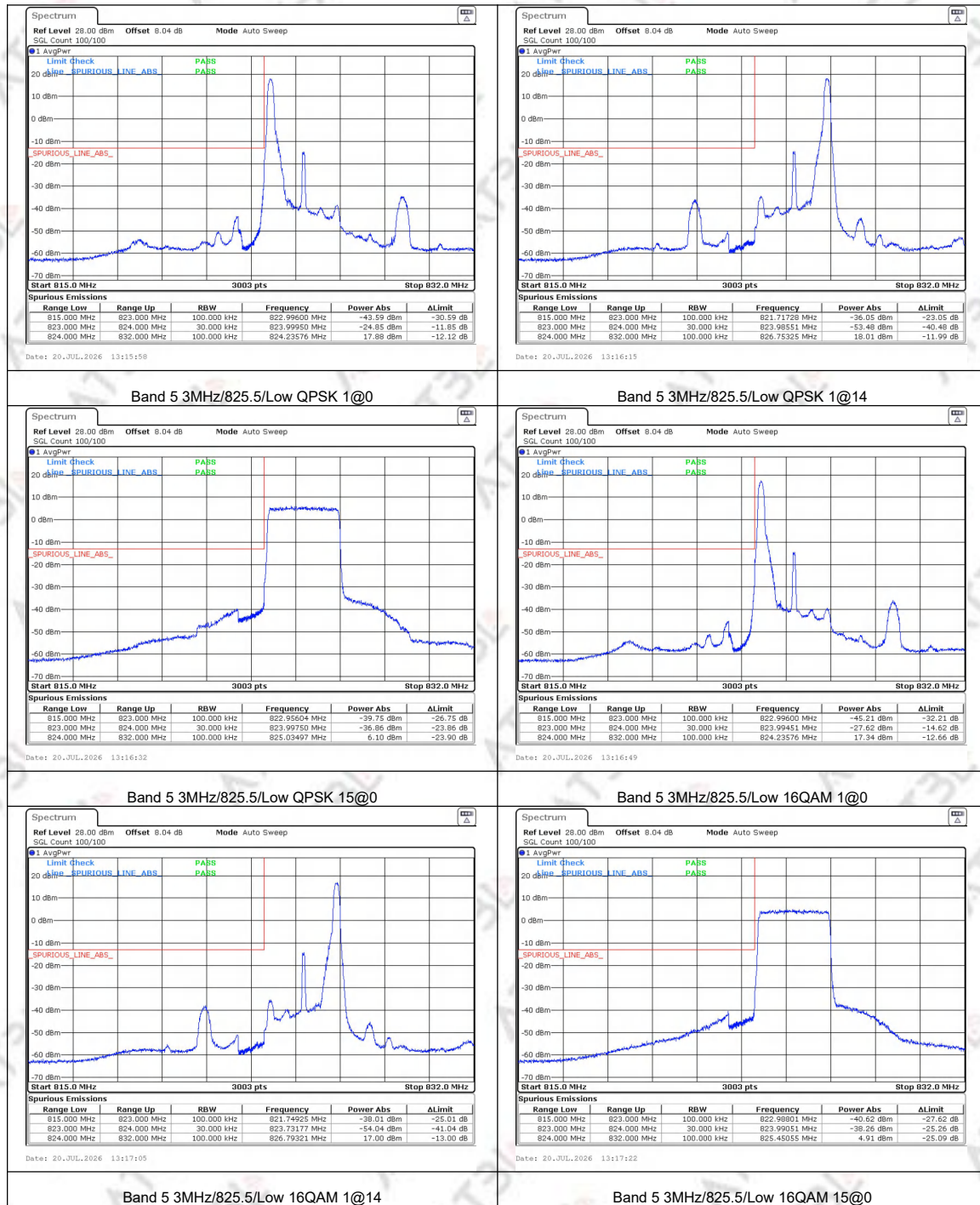
Test Result

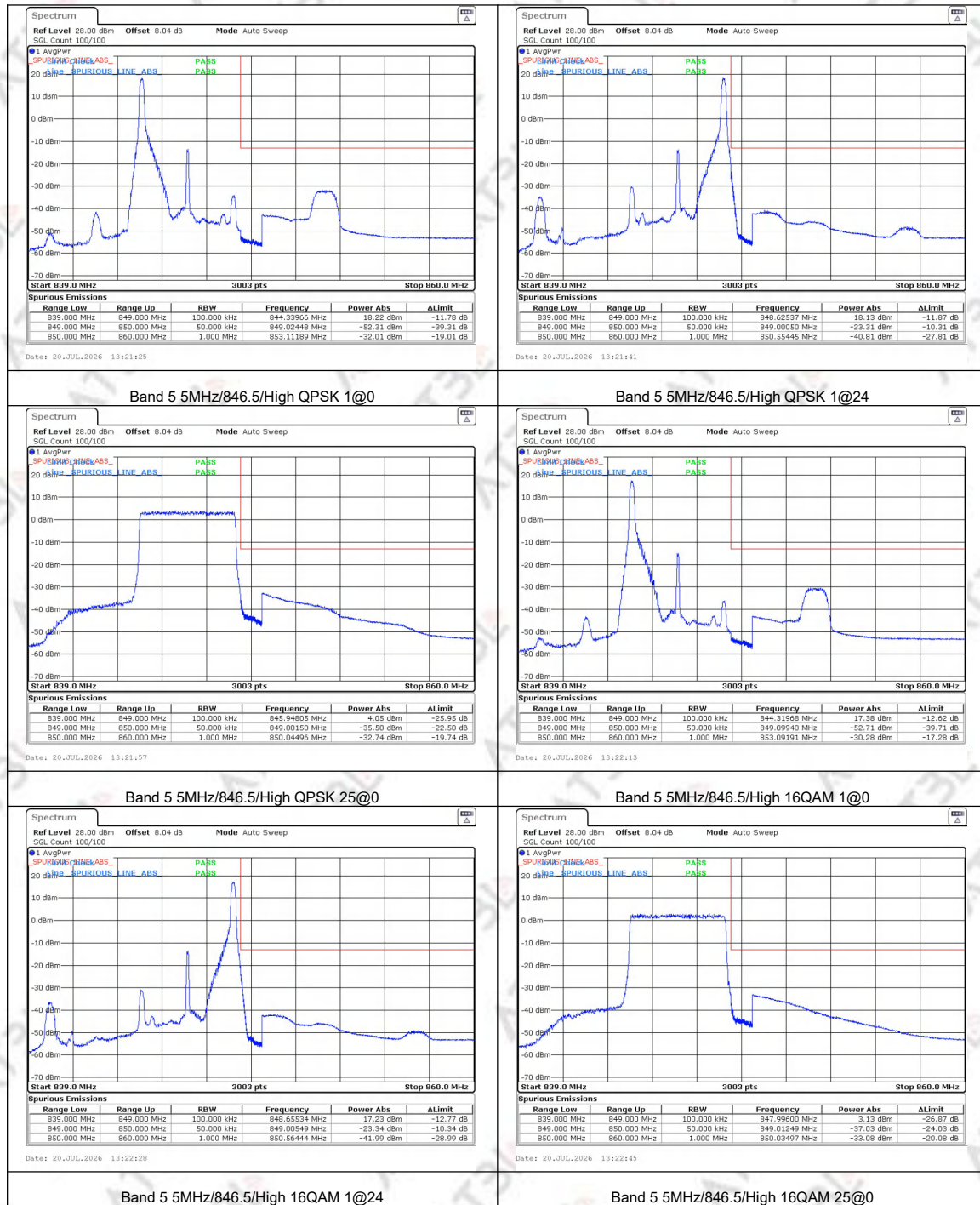
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
5	1.4	20407	824.7	QPSK	1@0	see graph	PASS
5	1.4	20407	824.7	QPSK	1@5	see graph	PASS
5	1.4	20407	824.7	QPSK	6@0	see graph	PASS
5	1.4	20407	824.7	16QAM	1@0	see graph	PASS
5	1.4	20407	824.7	16QAM	1@5	see graph	PASS
5	1.4	20407	824.7	16QAM	6@0	see graph	PASS
5	1.4	20643	848.3	QPSK	1@0	see graph	PASS
5	1.4	20643	848.3	QPSK	1@5	see graph	PASS
5	1.4	20643	848.3	QPSK	6@0	see graph	PASS
5	1.4	20643	848.3	16QAM	1@0	see graph	PASS
5	1.4	20643	848.3	16QAM	1@5	see graph	PASS
5	1.4	20643	848.3	16QAM	6@0	see graph	PASS
5	3.0	20415	825.5	QPSK	1@0	see graph	PASS
5	3.0	20415	825.5	QPSK	1@14	see graph	PASS
5	3.0	20415	825.5	QPSK	15@0	see graph	PASS
5	3.0	20415	825.5	16QAM	1@0	see graph	PASS
5	3.0	20415	825.5	16QAM	1@14	see graph	PASS
5	3.0	20415	825.5	16QAM	15@0	see graph	PASS
5	5.0	20625	846.5	QPSK	1@0	see graph	PASS
5	5.0	20625	846.5	QPSK	1@24	see graph	PASS
5	5.0	20625	846.5	QPSK	25@0	see graph	PASS
5	5.0	20625	846.5	16QAM	1@0	see graph	PASS
5	5.0	20625	846.5	16QAM	1@24	see graph	PASS
5	5.0	20625	846.5	16QAM	25@0	see graph	PASS
5	10.0	20450	829.0	QPSK	1@0	see graph	PASS
5	10.0	20450	829.0	QPSK	1@49	see graph	PASS
5	10.0	20450	829.0	QPSK	50@0	see graph	PASS
5	10.0	20450	829.0	16QAM	1@0	see graph	PASS
5	10.0	20450	829.0	16QAM	1@49	see graph	PASS
5	10.0	20450	829.0	16QAM	50@0	see graph	PASS
5	10.0	20600	844.0	QPSK	1@0	see graph	PASS
5	10.0	20600	844.0	QPSK	1@49	see graph	PASS
5	10.0	20600	844.0	QPSK	50@0	see graph	PASS
5	10.0	20600	844.0	16QAM	1@0	see graph	PASS
5	10.0	20600	844.0	16QAM	1@49	see graph	PASS
5	10.0	20600	844.0	16QAM	50@0	see graph	PASS

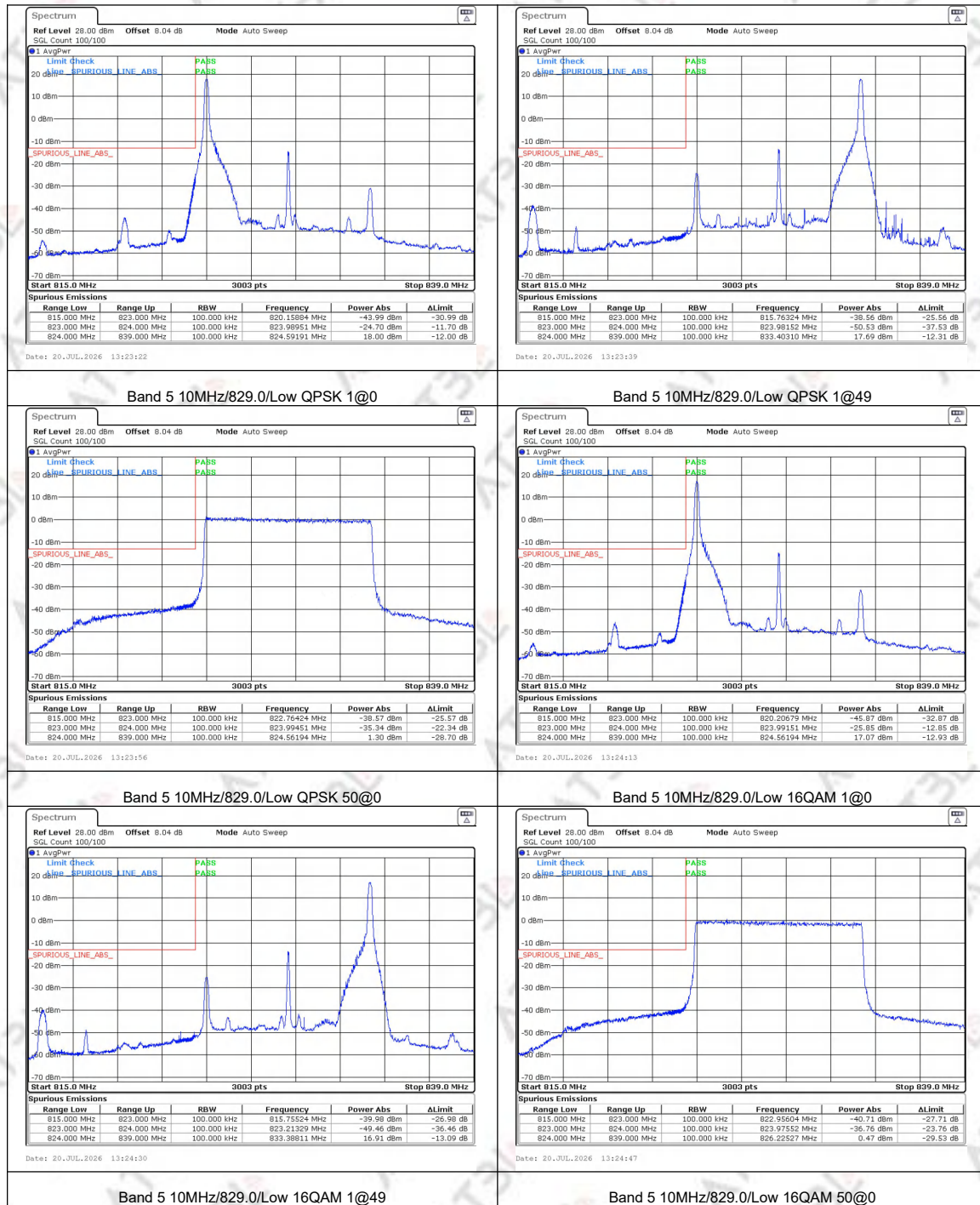
Test Graphs

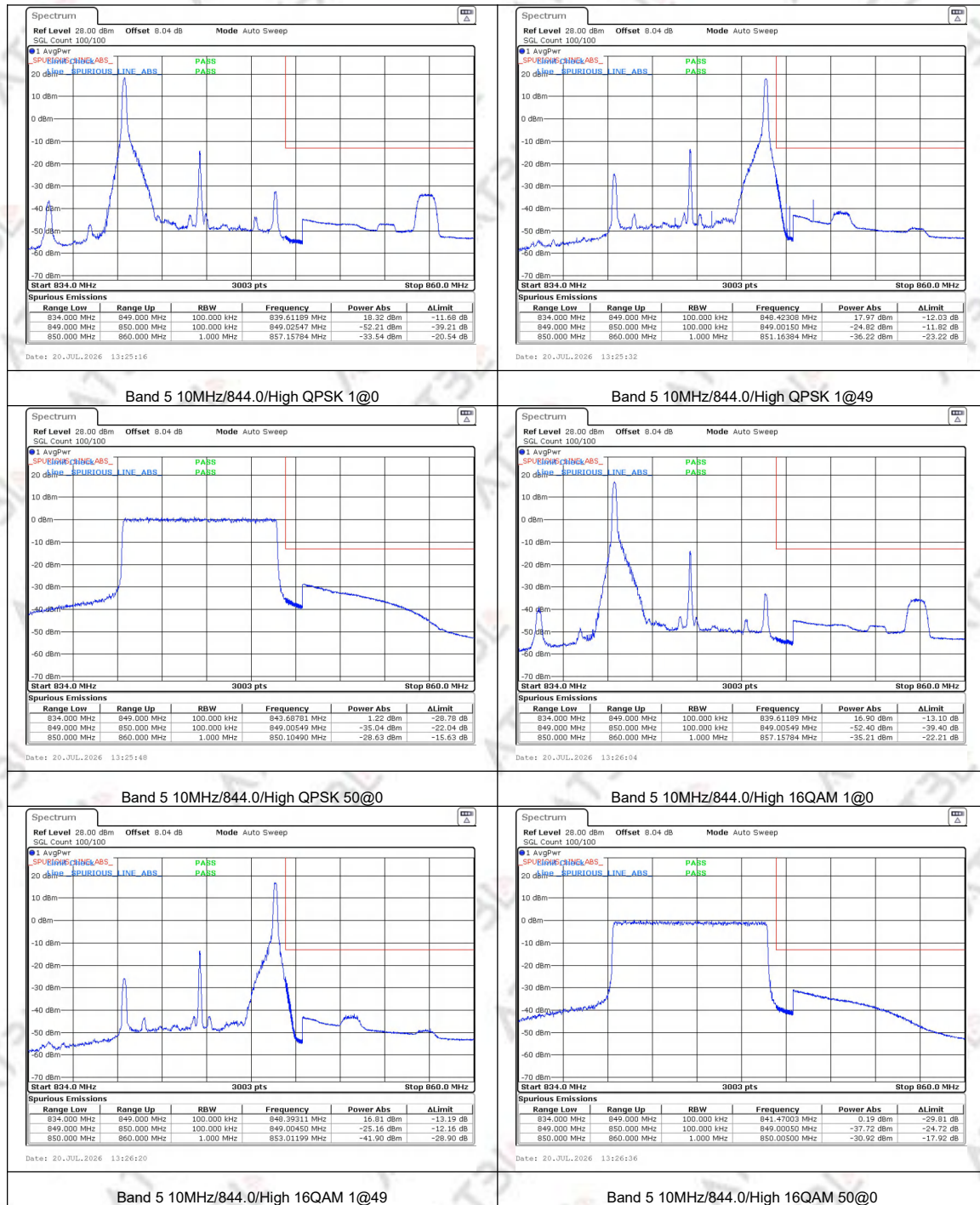












5.Conducted Spurious Emissions

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
5	1.4	20407	824.7	QPSK	1@0	30	1000	-29.53	-13	PASS
5	1.4	20407	824.7	QPSK	1@0	1000	10000	-30.27	-13	PASS
5	1.4	20407	824.7	16QAM	1@0	30	1000	-30.95	-13	PASS
5	1.4	20407	824.7	16QAM	1@0	1000	10000	-31.01	-13	PASS
5	1.4	20525	836.5	QPSK	1@0	30	1000	-30.2	-13	PASS
5	1.4	20525	836.5	QPSK	1@0	1000	10000	-28.24	-13	PASS
5	1.4	20525	836.5	16QAM	1@0	30	1000	-31.63	-13	PASS
5	1.4	20525	836.5	16QAM	1@0	1000	10000	-29.39	-13	PASS
5	1.4	20643	848.3	QPSK	1@0	30	1000	-35.93	-13	PASS
5	1.4	20643	848.3	QPSK	1@0	1000	10000	-27.16	-13	PASS
5	1.4	20643	848.3	16QAM	1@0	30	1000	-32.09	-13	PASS
5	1.4	20643	848.3	16QAM	1@0	1000	10000	-26.82	-13	PASS
5	3.0	20415	825.5	QPSK	1@0	30	1000	-29.59	-13	PASS
5	3.0	20415	825.5	QPSK	1@0	1000	10000	-30.38	-13	PASS
5	3.0	20415	825.5	16QAM	1@0	30	1000	-36.4	-13	PASS
5	3.0	20415	825.5	16QAM	1@0	1000	10000	-30.88	-13	PASS
5	3.0	20525	836.5	QPSK	1@0	30	1000	-35.09	-13	PASS
5	3.0	20525	836.5	QPSK	1@0	1000	10000	-27.69	-13	PASS
5	3.0	20525	836.5	16QAM	1@0	30	1000	-29.17	-13	PASS
5	3.0	20525	836.5	16QAM	1@0	1000	10000	-28.63	-13	PASS
5	3.0	20635	847.5	QPSK	1@0	30	1000	-30.51	-13	PASS
5	3.0	20635	847.5	QPSK	1@0	1000	10000	-27.92	-13	PASS
5	3.0	20635	847.5	16QAM	1@0	30	1000	-32.9	-13	PASS
5	3.0	20635	847.5	16QAM	1@0	1000	10000	-25.06	-13	PASS
5	5.0	20425	826.5	QPSK	1@0	30	1000	-38.11	-13	PASS
5	5.0	20425	826.5	QPSK	1@0	1000	10000	-30.22	-13	PASS
5	5.0	20425	826.5	16QAM	1@0	30	1000	-32.99	-13	PASS
5	5.0	20425	826.5	16QAM	1@0	1000	10000	-29.54	-13	PASS
5	5.0	20525	836.5	QPSK	1@0	30	1000	-29.62	-13	PASS
5	5.0	20525	836.5	QPSK	1@0	1000	10000	-26.62	-13	PASS
5	5.0	20525	836.5	16QAM	1@0	30	1000	-34.97	-13	PASS
5	5.0	20525	836.5	16QAM	1@0	1000	10000	-26.15	-13	PASS
5	5.0	20625	846.5	QPSK	1@0	30	1000	-37.63	-13	PASS
5	5.0	20625	846.5	QPSK	1@0	1000	10000	-29.33	-13	PASS
5	5.0	20625	846.5	16QAM	1@0	30	1000	-29.26	-13	PASS
5	5.0	20625	846.5	16QAM	1@0	1000	10000	-29.82	-13	PASS
5	10.0	20450	829.0	QPSK	1@0	30	1000	-31.53	-13	PASS
5	10.0	20450	829.0	QPSK	1@0	1000	10000	-29.99	-13	PASS
5	10.0	20450	829.0	16QAM	1@0	30	1000	-30.05	-13	PASS
5	10.0	20450	829.0	16QAM	1@0	1000	10000	-29.27	-13	PASS
5	10.0	20525	836.5	QPSK	1@0	30	1000	-33.88	-13	PASS
5	10.0	20525	836.5	QPSK	1@0	1000	10000	-27.43	-13	PASS
5	10.0	20525	836.5	16QAM	1@0	30	1000	-31.95	-13	PASS
5	10.0	20525	836.5	16QAM	1@0	1000	10000	-27.03	-13	PASS
5	10.0	20600	844.0	QPSK	1@0	30	1000	-29.26	-13	PASS
5	10.0	20600	844.0	QPSK	1@0	1000	10000	-30.72	-13	PASS
5	10.0	20600	844.0	16QAM	1@0	30	1000	-36.47	-13	PASS
5	10.0	20600	844.0	16QAM	1@0	1000	10000	-31.06	-13	PASS