

Appendix for LTE Band 71

Product Name: Smart Phone

Model No: G96

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.67	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.72	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.65	PASS
Band71	5MHz	QPSK	133147	12RB#0	21.61	PASS
Band71	5MHz	QPSK	133147	12RB#6	21.70	PASS
Band71	5MHz	QPSK	133147	12RB#13	21.73	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.71	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.71	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.02	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.73	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.61	PASS
Band71	5MHz	16QAM	133147	12RB#6	20.72	PASS
Band71	5MHz	16QAM	133147	12RB#13	20.67	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.70	PASS
Band71	5MHz	QPSK	133297	1RB#0	21.99	PASS
Band71	5MHz	QPSK	133297	1RB#12	21.93	PASS
Band71	5MHz	QPSK	133297	1RB#24	21.95	PASS
Band71	5MHz	QPSK	133297	12RB#0	20.90	PASS
Band71	5MHz	QPSK	133297	12RB#6	20.92	PASS
Band71	5MHz	QPSK	133297	12RB#13	20.90	PASS
Band71	5MHz	QPSK	133297	25RB#0	20.93	PASS
Band71	5MHz	16QAM	133297	1RB#0	20.96	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.23	PASS
Band71	5MHz	16QAM	133297	1RB#24	20.94	PASS
Band71	5MHz	16QAM	133297	12RB#0	20.06	PASS
Band71	5MHz	16QAM	133297	12RB#6	20.03	PASS
Band71	5MHz	16QAM	133297	12RB#13	20.00	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.04	PASS
Band71	5MHz	QPSK	133447	1RB#0	21.86	PASS
Band71	5MHz	QPSK	133447	1RB#12	21.85	PASS
Band71	5MHz	QPSK	133447	1RB#24	21.86	PASS
Band71	5MHz	QPSK	133447	12RB#0	20.78	PASS
Band71	5MHz	QPSK	133447	12RB#6	20.89	PASS
Band71	5MHz	QPSK	133447	12RB#13	20.76	PASS
Band71	5MHz	QPSK	133447	25RB#0	20.86	PASS
Band71	5MHz	16QAM	133447	1RB#0	20.86	PASS

Band71	5MHz	16QAM	133447	1RB#12	21.16	PASS
Band71	5MHz	16QAM	133447	1RB#24	20.90	PASS
Band71	5MHz	16QAM	133447	12RB#0	19.92	PASS
Band71	5MHz	16QAM	133447	12RB#6	20.00	PASS
Band71	5MHz	16QAM	133447	12RB#13	19.95	PASS
Band71	5MHz	16QAM	133447	25RB#0	19.96	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.75	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.68	PASS
Band71	10MHz	QPSK	133172	25RB#0	21.56	PASS
Band71	10MHz	QPSK	133172	25RB#12	21.76	PASS
Band71	10MHz	QPSK	133172	25RB#25	21.76	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.69	PASS
Band71	10MHz	16QAM	133172	1RB#0	21.89	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.02	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.79	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.63	PASS
Band71	10MHz	16QAM	133172	25RB#12	20.80	PASS
Band71	10MHz	16QAM	133172	25RB#25	20.75	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.69	PASS
Band71	10MHz	QPSK	133297	1RB#0	21.93	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.07	PASS
Band71	10MHz	QPSK	133297	1RB#49	21.96	PASS
Band71	10MHz	QPSK	133297	25RB#0	20.97	PASS
Band71	10MHz	QPSK	133297	25RB#12	20.95	PASS
Band71	10MHz	QPSK	133297	25RB#25	20.94	PASS
Band71	10MHz	QPSK	133297	50RB#0	20.99	PASS
Band71	10MHz	16QAM	133297	1RB#0	21.14	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.42	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.11	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.12	PASS
Band71	10MHz	16QAM	133297	25RB#12	20.13	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.07	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.13	PASS
Band71	10MHz	QPSK	133422	1RB#0	21.93	PASS
Band71	10MHz	QPSK	133422	1RB#24	21.84	PASS
Band71	10MHz	QPSK	133422	1RB#49	21.89	PASS
Band71	10MHz	QPSK	133422	25RB#0	20.82	PASS
Band71	10MHz	QPSK	133422	25RB#12	20.84	PASS
Band71	10MHz	QPSK	133422	25RB#25	20.85	PASS
Band71	10MHz	QPSK	133422	50RB#0	20.81	PASS
Band71	10MHz	16QAM	133422	1RB#0	20.80	PASS

Band71	10MHz	16QAM	133422	1RB#24	21.24	PASS
Band71	10MHz	16QAM	133422	1RB#49	20.78	PASS
Band71	10MHz	16QAM	133422	25RB#0	19.97	PASS
Band71	10MHz	16QAM	133422	25RB#12	20.03	PASS
Band71	10MHz	16QAM	133422	25RB#25	20.00	PASS
Band71	10MHz	16QAM	133422	50RB#0	19.95	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.70	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.80	PASS
Band71	15MHz	QPSK	133197	1RB#74	21.91	PASS
Band71	15MHz	QPSK	133197	38RB#0	21.67	PASS
Band71	15MHz	QPSK	133197	38RB#18	21.78	PASS
Band71	15MHz	QPSK	133197	38RB#37	21.48	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.59	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.97	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.04	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.23	PASS
Band71	15MHz	16QAM	133197	38RB#0	20.68	PASS
Band71	15MHz	16QAM	133197	38RB#18	20.81	PASS
Band71	15MHz	16QAM	133197	38RB#37	20.58	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.61	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.40	PASS
Band71	15MHz	QPSK	133297	1RB#38	21.94	PASS
Band71	15MHz	QPSK	133297	1RB#74	21.95	PASS
Band71	15MHz	QPSK	133297	38RB#0	21.03	PASS
Band71	15MHz	QPSK	133297	38RB#18	20.97	PASS
Band71	15MHz	QPSK	133297	38RB#37	20.95	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.02	PASS
Band71	15MHz	16QAM	133297	1RB#0	21.29	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.33	PASS
Band71	15MHz	16QAM	133297	1RB#74	20.83	PASS
Band71	15MHz	16QAM	133297	38RB#0	20.06	PASS
Band71	15MHz	16QAM	133297	38RB#18	20.07	PASS
Band71	15MHz	16QAM	133297	38RB#37	20.06	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.07	PASS
Band71	15MHz	QPSK	133397	1RB#0	21.84	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.05	PASS
Band71	15MHz	QPSK	133397	1RB#74	21.80	PASS
Band71	15MHz	QPSK	133397	38RB#0	20.81	PASS
Band71	15MHz	QPSK	133397	38RB#18	20.91	PASS
Band71	15MHz	QPSK	133397	38RB#37	20.88	PASS
Band71	15MHz	QPSK	133397	75RB#0	20.89	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.10	PASS

Band71	15MHz	16QAM	133397	1RB#38	21.32	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.02	PASS
Band71	15MHz	16QAM	133397	38RB#0	19.97	PASS
Band71	15MHz	16QAM	133397	38RB#18	20.01	PASS
Band71	15MHz	16QAM	133397	38RB#37	20.02	PASS
Band71	15MHz	16QAM	133397	75RB#0	19.97	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.72	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.88	PASS
Band71	20MHz	QPSK	133222	1RB#99	21.93	PASS
Band71	20MHz	QPSK	133222	50RB#0	21.60	PASS
Band71	20MHz	QPSK	133222	50RB#25	21.47	PASS
Band71	20MHz	QPSK	133222	50RB#50	21.06	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.30	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.79	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.14	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.08	PASS
Band71	20MHz	16QAM	133222	50RB#0	20.60	PASS
Band71	20MHz	16QAM	133222	50RB#25	20.65	PASS
Band71	20MHz	16QAM	133222	50RB#50	20.14	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.41	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.17	PASS
Band71	20MHz	QPSK	133322	1RB#49	21.98	PASS
Band71	20MHz	QPSK	133322	1RB#99	21.71	PASS
Band71	20MHz	QPSK	133322	50RB#0	21.03	PASS
Band71	20MHz	QPSK	133322	50RB#25	21.03	PASS
Band71	20MHz	QPSK	133322	50RB#50	20.97	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.02	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.31	PASS
Band71	20MHz	16QAM	133322	1RB#49	21.26	PASS
Band71	20MHz	16QAM	133322	1RB#99	20.83	PASS
Band71	20MHz	16QAM	133322	50RB#0	20.16	PASS
Band71	20MHz	16QAM	133322	50RB#25	20.15	PASS
Band71	20MHz	16QAM	133322	50RB#50	20.13	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.10	PASS
Band71	20MHz	QPSK	133372	1RB#0	21.90	PASS
Band71	20MHz	QPSK	133372	1RB#49	21.99	PASS
Band71	20MHz	QPSK	133372	1RB#99	21.85	PASS
Band71	20MHz	QPSK	133372	50RB#0	20.89	PASS
Band71	20MHz	QPSK	133372	50RB#25	21.02	PASS
Band71	20MHz	QPSK	133372	50RB#50	20.95	PASS
Band71	20MHz	QPSK	133372	100RB#0	20.90	PASS
Band71	20MHz	16QAM	133372	1RB#0	20.93	PASS

Band71	20MHz	16QAM	133372	1RB#49	21.26	PASS
Band71	20MHz	16QAM	133372	1RB#99	20.88	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.02	PASS
Band71	20MHz	16QAM	133372	50RB#25	20.07	PASS
Band71	20MHz	16QAM	133372	50RB#50	20.01	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.00	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

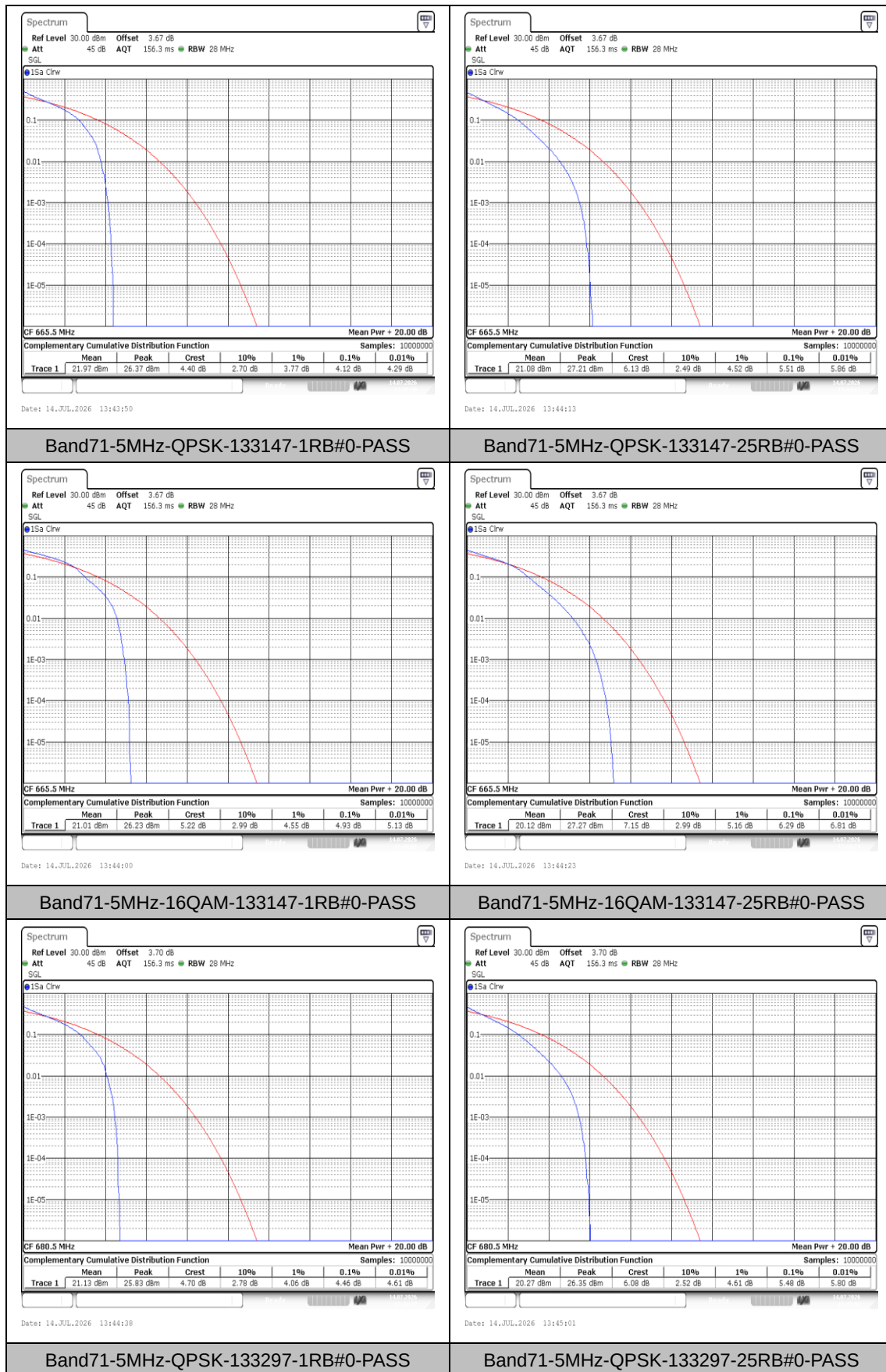
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.12	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.51	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	4.93	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.29	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	4.46	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.48	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.25	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.23	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	5.10	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.54	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.83	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.35	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.12	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.33	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	4.99	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.20	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.23	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.48	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.10	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.26	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	5.01	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.62	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.80	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.49	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.29	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.45	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.16	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.17	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	3.83	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.71	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	4.67	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.38	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	5.01	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.88	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.94	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.52	13	PASS

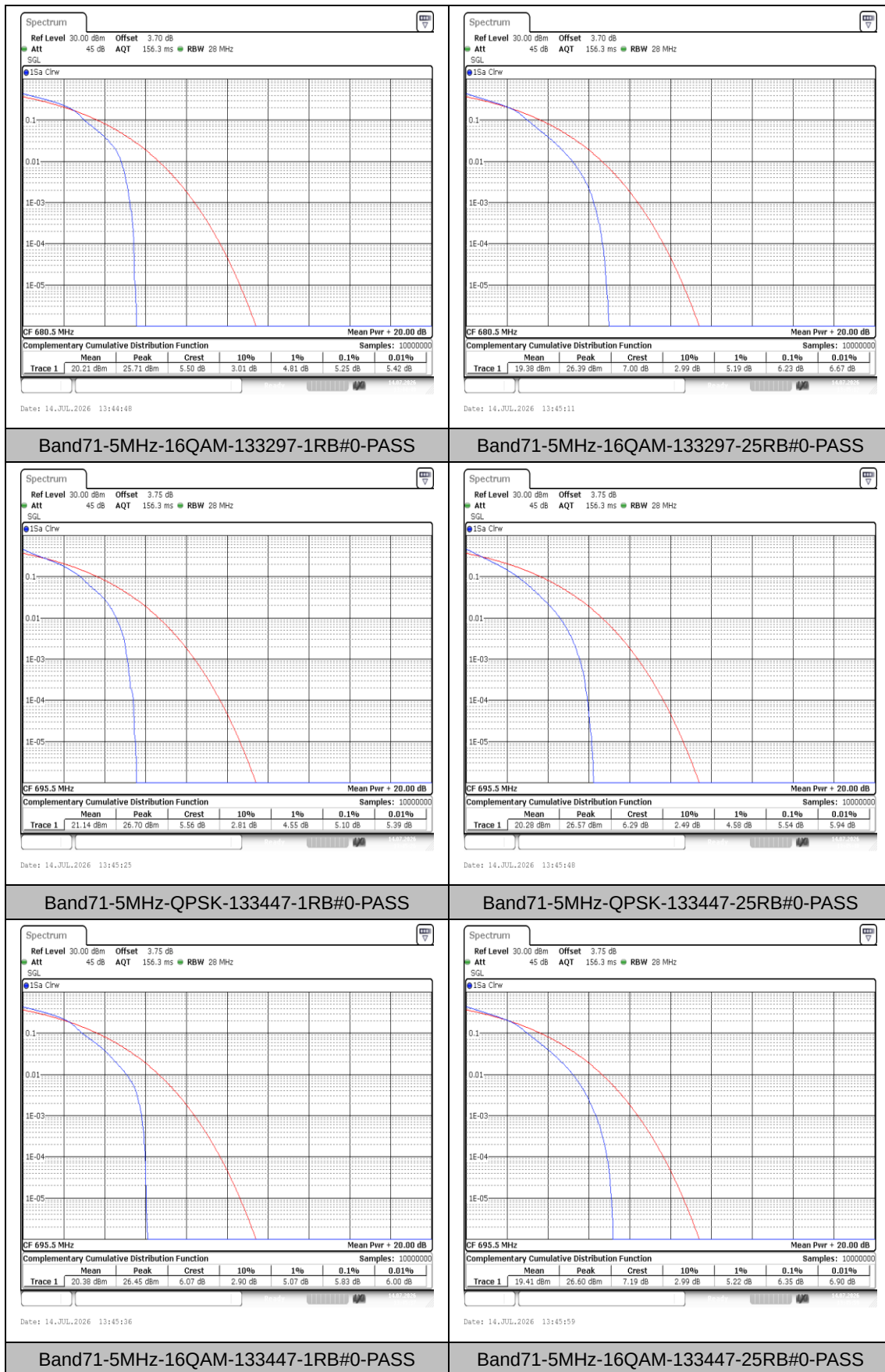
Waltek Testing Group (Shenzhen) Co., Ltd.

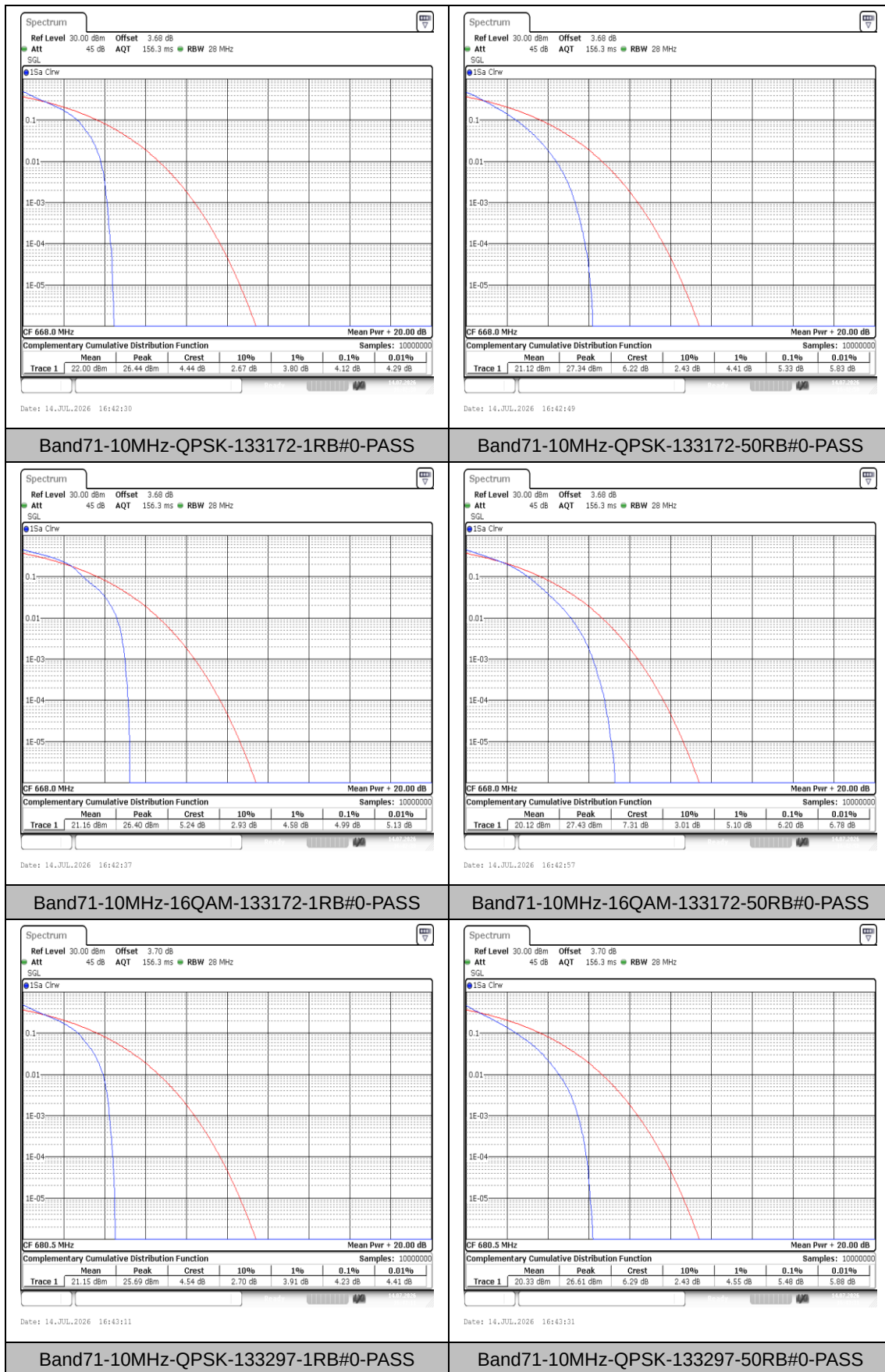
[Http://www.waltek.com.cn](http://www.waltek.com.cn)

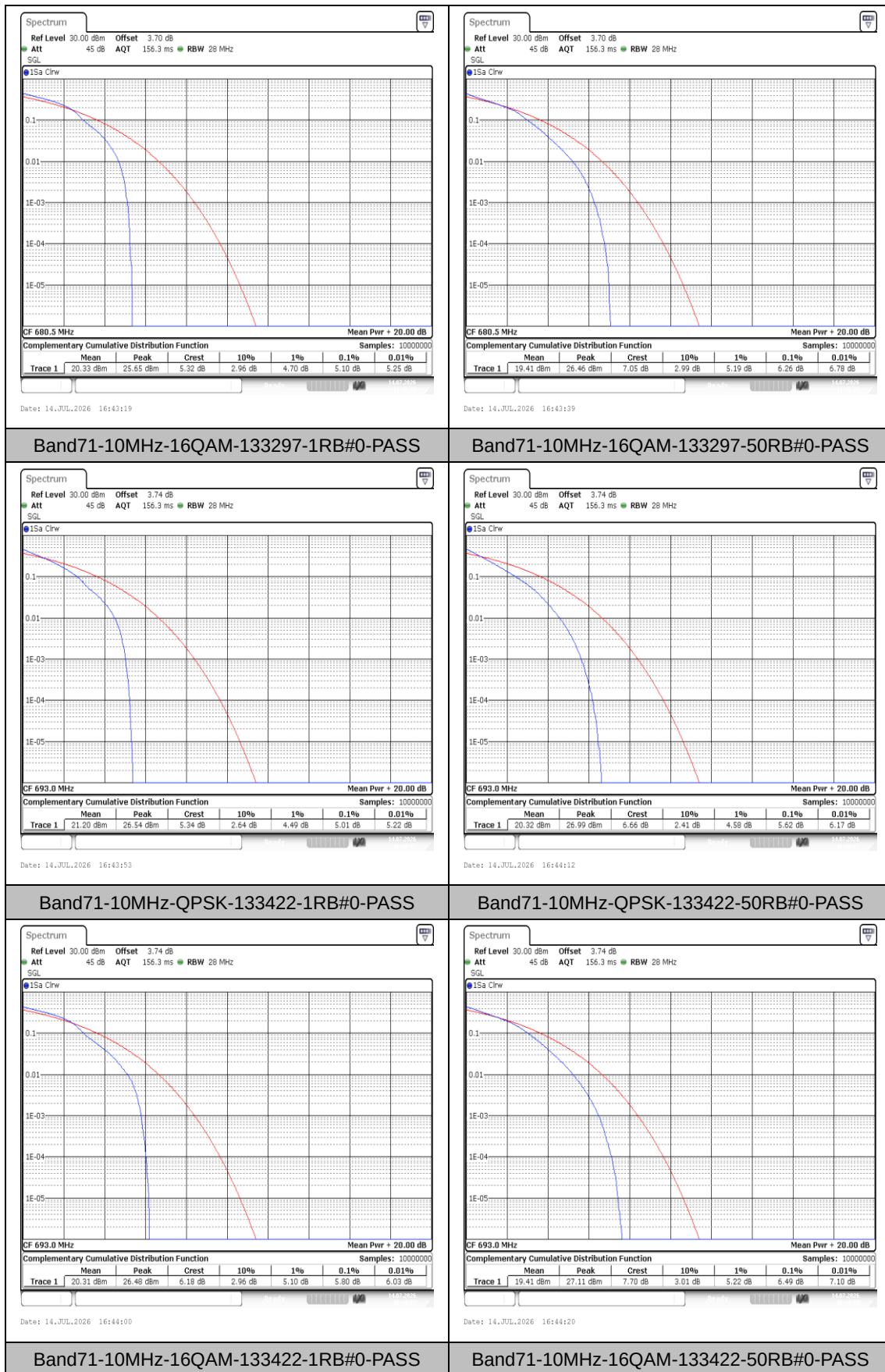
Band71	20MHz	QPSK	133222	1RB#0	4.46	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.39	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.19	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.23	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	4.00	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.57	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.04	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.38	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	4.64	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.59	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.51	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.46	13	PASS

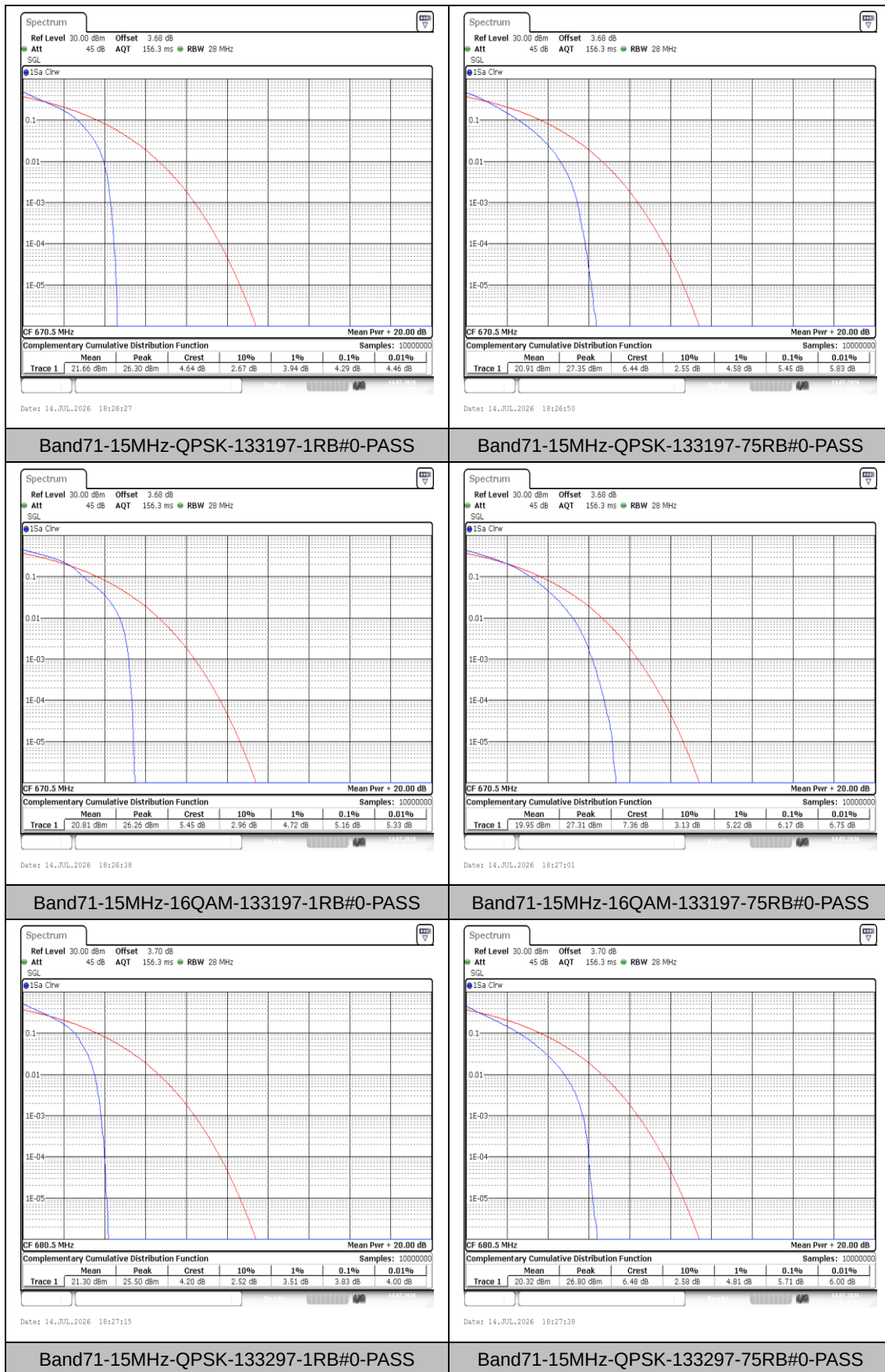
Test Graphs

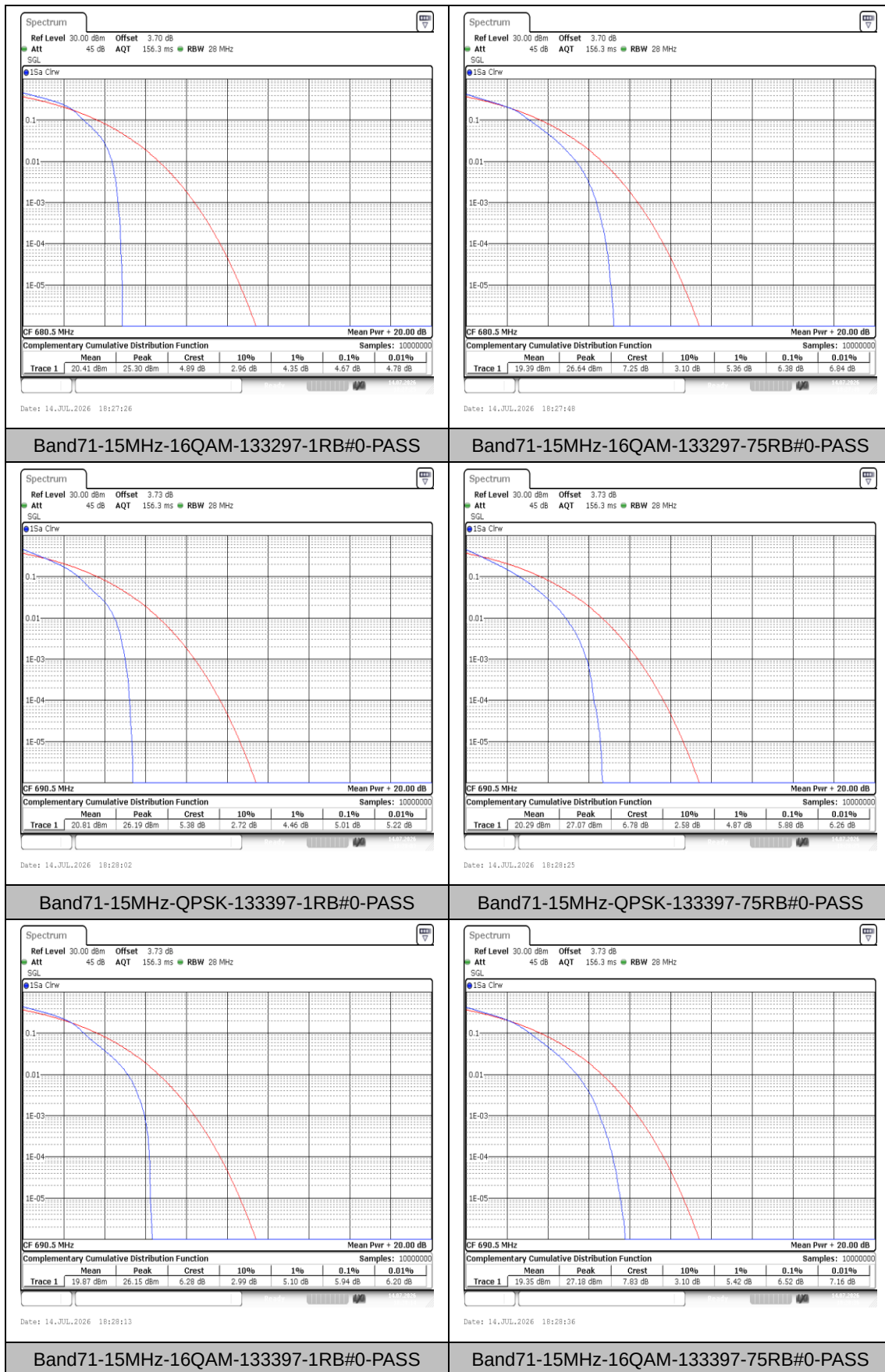


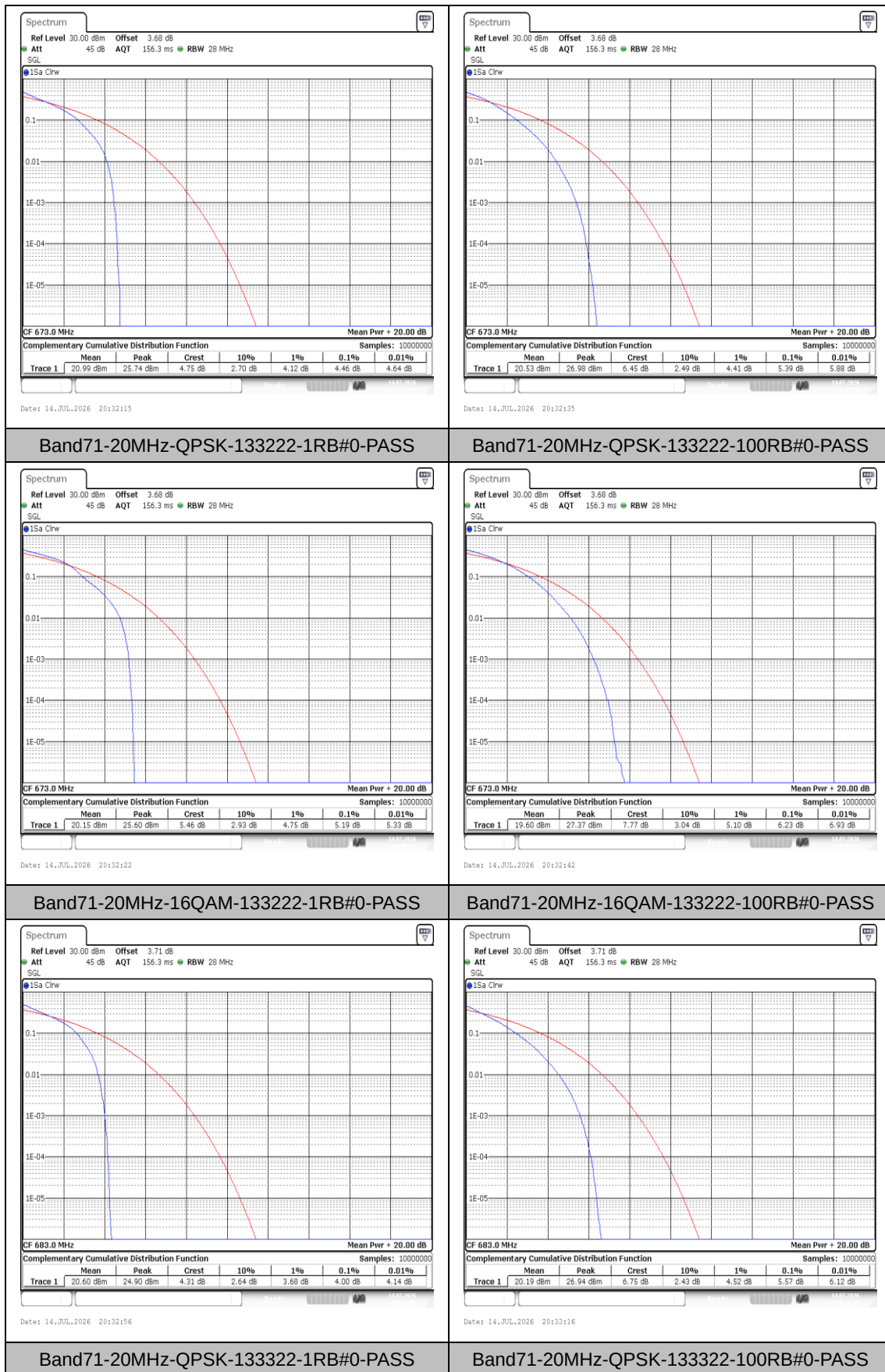


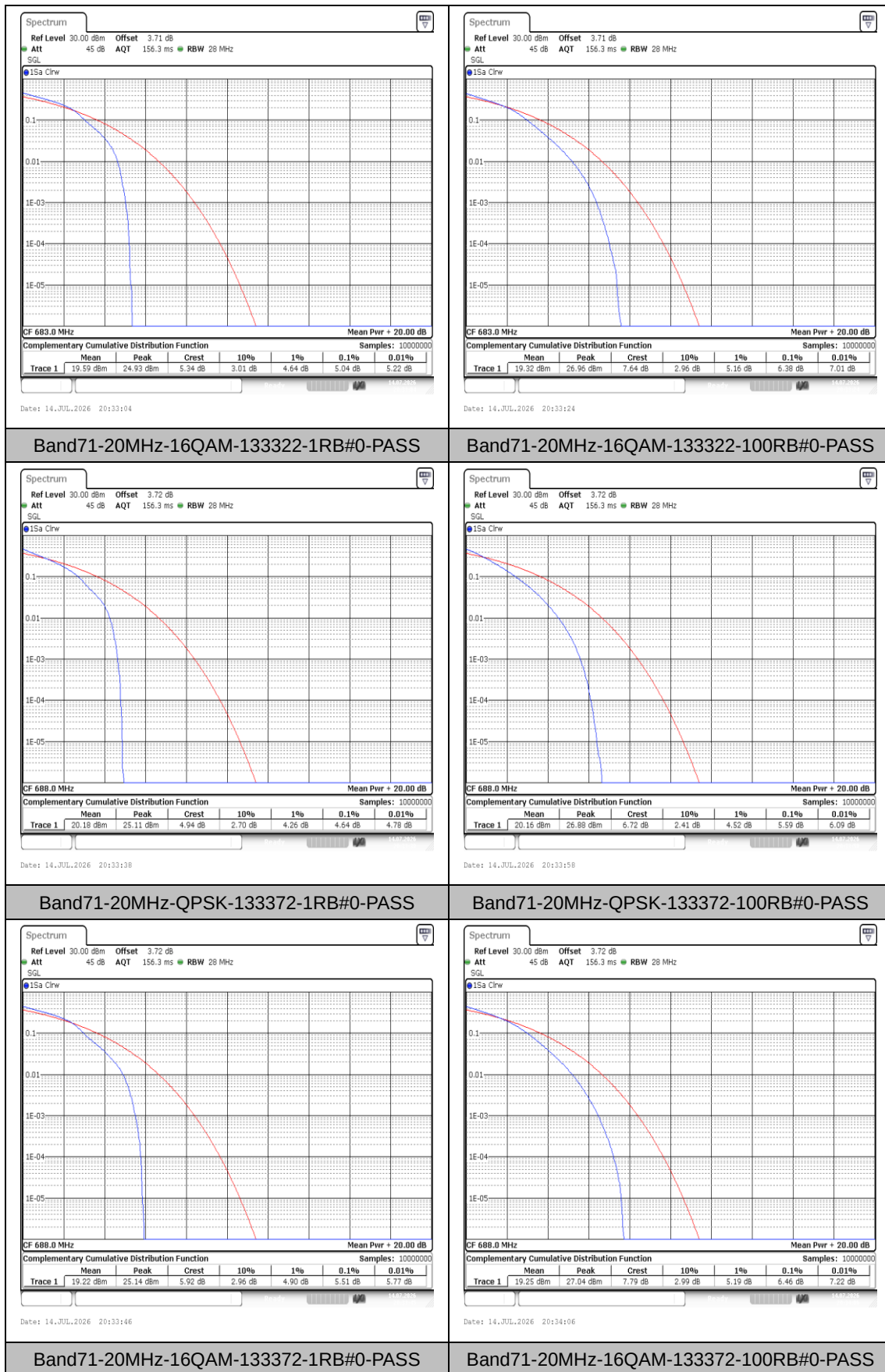










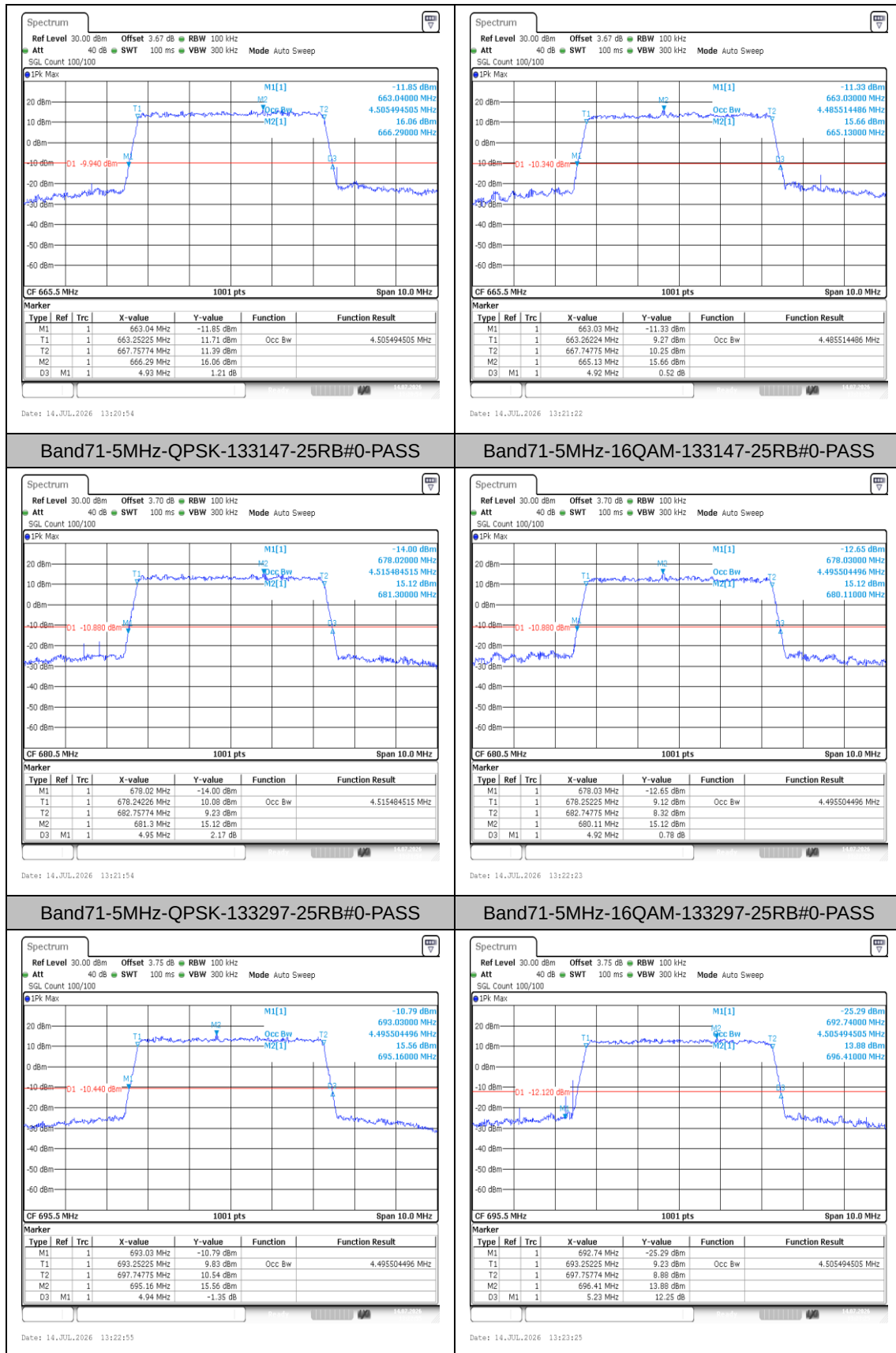


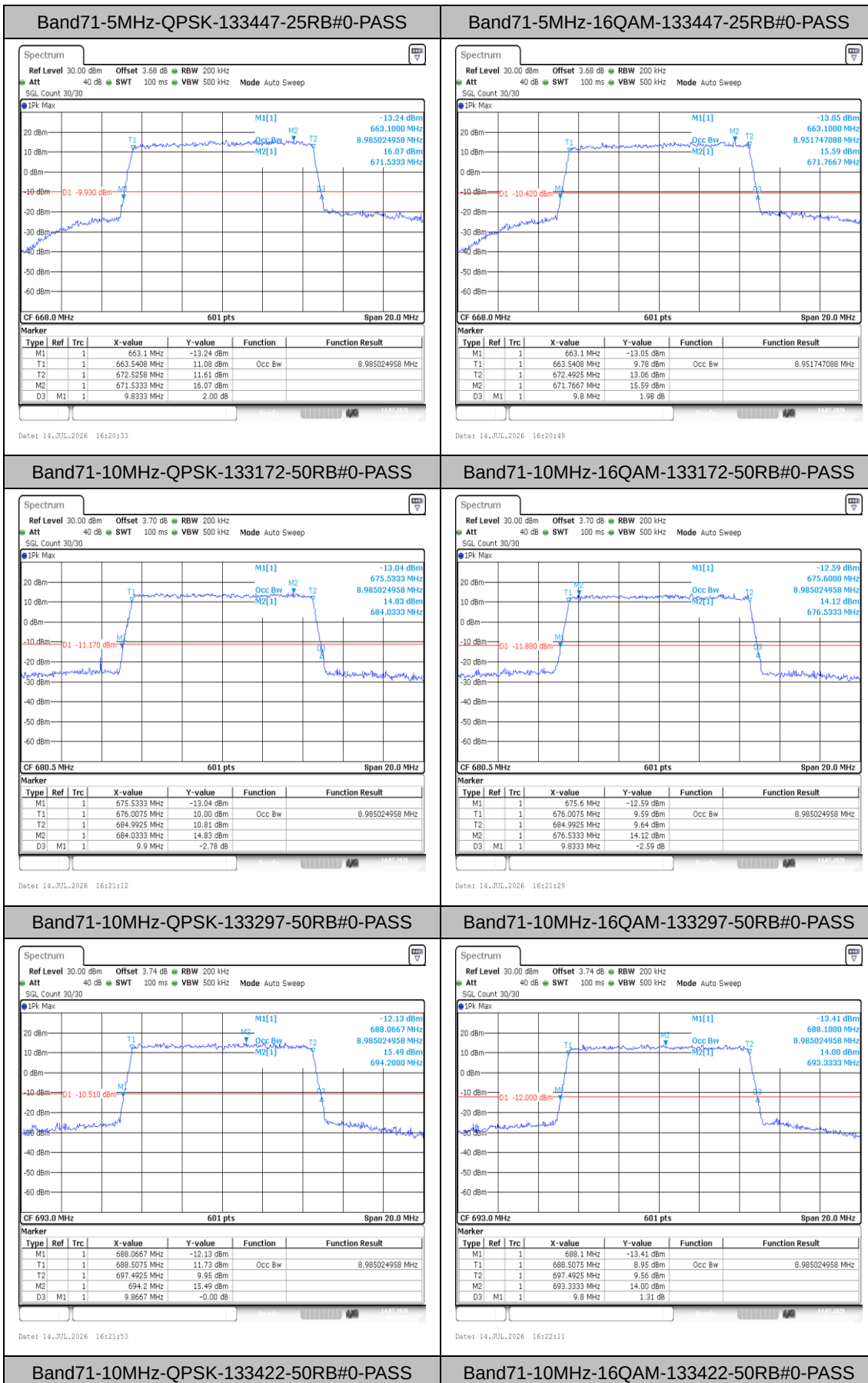
Appendix C: 26dB Bandwidth and Occupied Bandwidth

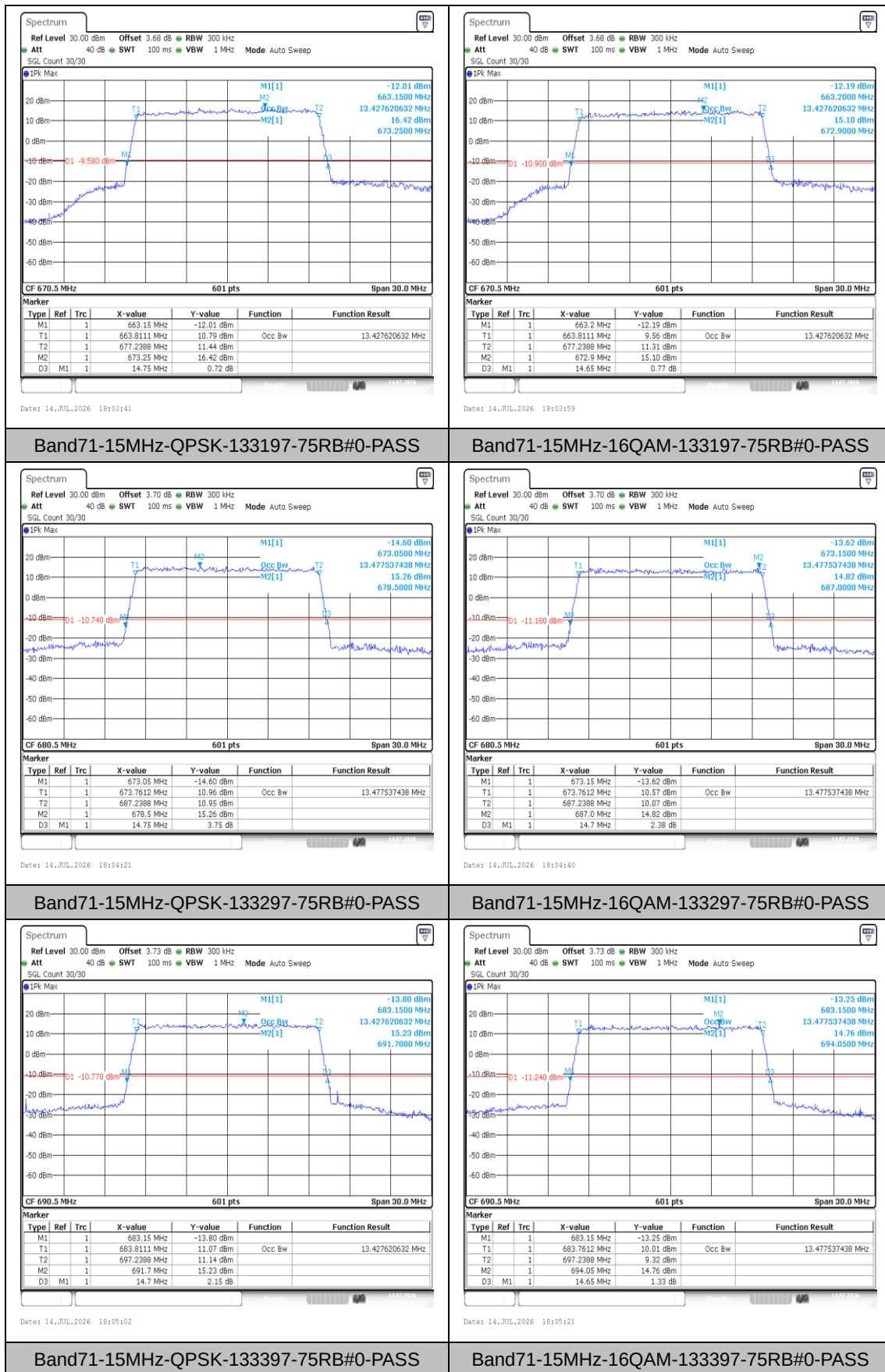
Test Result

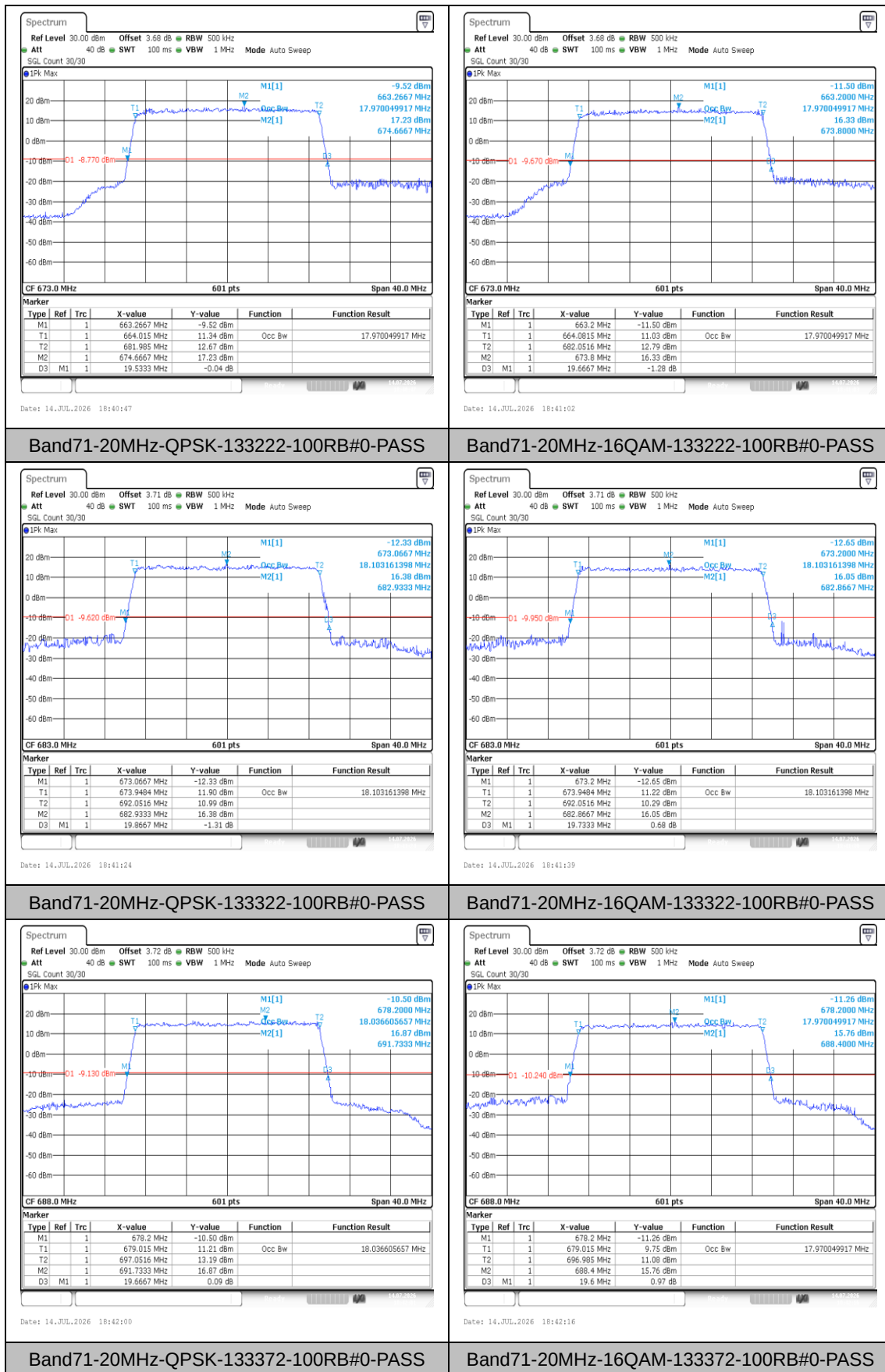
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5055	4.93	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.4855	4.92	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5155	4.95	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.4955	4.92	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.4955	4.94	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5055	5.23	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9850	9.83	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9517	9.80	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9850	9.90	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9850	9.83	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9850	9.87	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9850	9.80	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.428	14.75	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.428	14.65	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.478	14.75	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.478	14.70	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.428	14.70	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.478	14.65	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.970	19.53	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.970	19.67	PASS
Band71	20MHz	QPSK	133322	100RB#0	18.103	19.87	PASS
Band71	20MHz	16QAM	133322	100RB#0	18.103	19.73	PASS
Band71	20MHz	QPSK	133372	100RB#0	18.037	19.67	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.970	19.60	PASS

Test Graphs









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	-25.54	PASS
Band71	5MHz	QPSK	133147	1RB#24	-44.13	PASS
Band71	5MHz	QPSK	133147	25RB#0	-33.79	PASS
Band71	5MHz	16QAM	133147	1RB#0	-26.41	PASS
Band71	5MHz	16QAM	133147	1RB#24	-44.47	PASS
Band71	5MHz	16QAM	133147	25RB#0	-34.50	PASS
Band71	5MHz	QPSK	133447	1RB#0	-39.43	PASS
Band71	5MHz	QPSK	133447	1RB#24	-25.64	PASS
Band71	5MHz	QPSK	133447	25RB#0	-34.03	PASS
Band71	5MHz	16QAM	133447	1RB#0	-40.74	PASS
Band71	5MHz	16QAM	133447	1RB#24	-27.23	PASS
Band71	5MHz	16QAM	133447	25RB#0	-34.82	PASS
Band71	10MHz	QPSK	133172	1RB#0	-32.66	PASS
Band71	10MHz	QPSK	133172	1RB#49	-50.86	PASS
Band71	10MHz	QPSK	133172	50RB#0	-36.20	PASS
Band71	10MHz	16QAM	133172	1RB#0	-33.39	PASS
Band71	10MHz	16QAM	133172	1RB#49	-51.79	PASS
Band71	10MHz	16QAM	133172	50RB#0	-36.79	PASS
Band71	10MHz	QPSK	133422	1RB#0	-48.79	PASS
Band71	10MHz	QPSK	133422	1RB#49	-33.05	PASS
Band71	10MHz	QPSK	133422	50RB#0	-36.44	PASS
Band71	10MHz	16QAM	133422	1RB#0	-50.35	PASS
Band71	10MHz	16QAM	133422	1RB#49	-33.09	PASS
Band71	10MHz	16QAM	133422	50RB#0	-37.48	PASS
Band71	15MHz	QPSK	133197	1RB#0	-35.39	PASS
Band71	15MHz	QPSK	133197	1RB#74	-47.69	PASS
Band71	15MHz	QPSK	133197	75RB#0	-34.92	PASS
Band71	15MHz	16QAM	133197	1RB#0	-35.71	PASS
Band71	15MHz	16QAM	133197	1RB#74	-48.95	PASS
Band71	15MHz	16QAM	133197	75RB#0	-37.14	PASS
Band71	15MHz	QPSK	133397	1RB#0	-44.85	PASS
Band71	15MHz	QPSK	133397	1RB#74	-36.23	PASS
Band71	15MHz	QPSK	133397	75RB#0	-37.13	PASS
Band71	15MHz	16QAM	133397	1RB#0	-46.41	PASS
Band71	15MHz	16QAM	133397	1RB#74	-37.12	PASS

Band71	15MHz	16QAM	133397	75RB#0	-38.17	PASS
Band71	20MHz	QPSK	133222	1RB#0	-37.61	PASS
Band71	20MHz	QPSK	133222	1RB#99	-47.53	PASS
Band71	20MHz	QPSK	133222	100RB#0	-37.57	PASS
Band71	20MHz	16QAM	133222	1RB#0	-38.69	PASS
Band71	20MHz	16QAM	133222	1RB#99	-48.63	PASS
Band71	20MHz	16QAM	133222	100RB#0	-38.55	PASS
Band71	20MHz	QPSK	133372	1RB#0	-46.37	PASS
Band71	20MHz	QPSK	133372	1RB#99	-39.50	PASS
Band71	20MHz	QPSK	133372	100RB#0	-39.65	PASS
Band71	20MHz	16QAM	133372	1RB#0	-46.61	PASS
Band71	20MHz	16QAM	133372	1RB#99	-37.94	PASS
Band71	20MHz	16QAM	133372	100RB#0	-40.39	PASS

Test Graphs

