

# FCC LTE Band Test Data

**FCC ID** : 2BHCY-X100  
**Company:** : Shenzhen ThreeTigers Trading co..Ltd.  
**EUT** : Mobile Phone  
**Model Number** : X100  
**Reviewed By** : Eric Wang

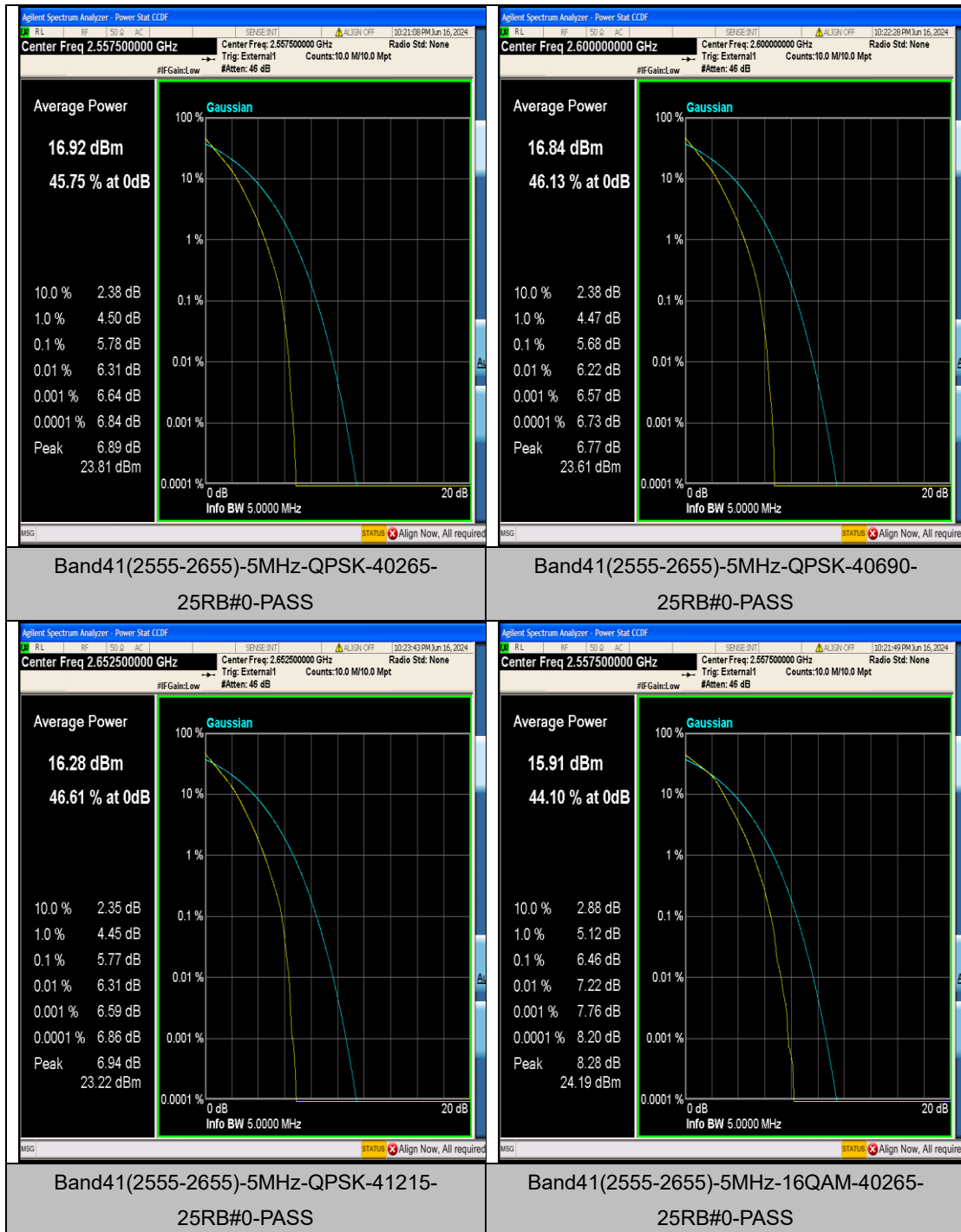
## Appendix B: Peak-to-Average Ratio(CCDF)

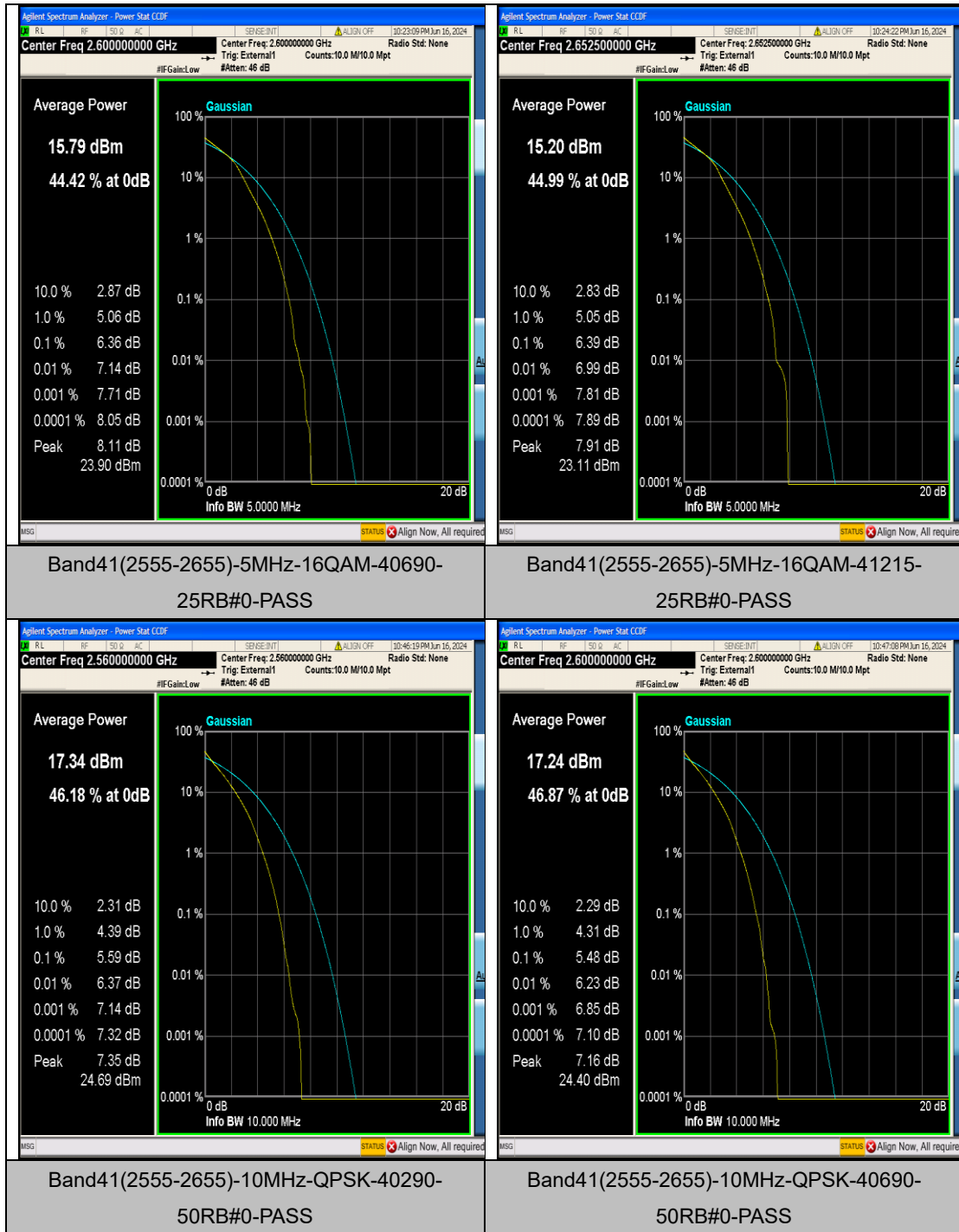
### Test Result

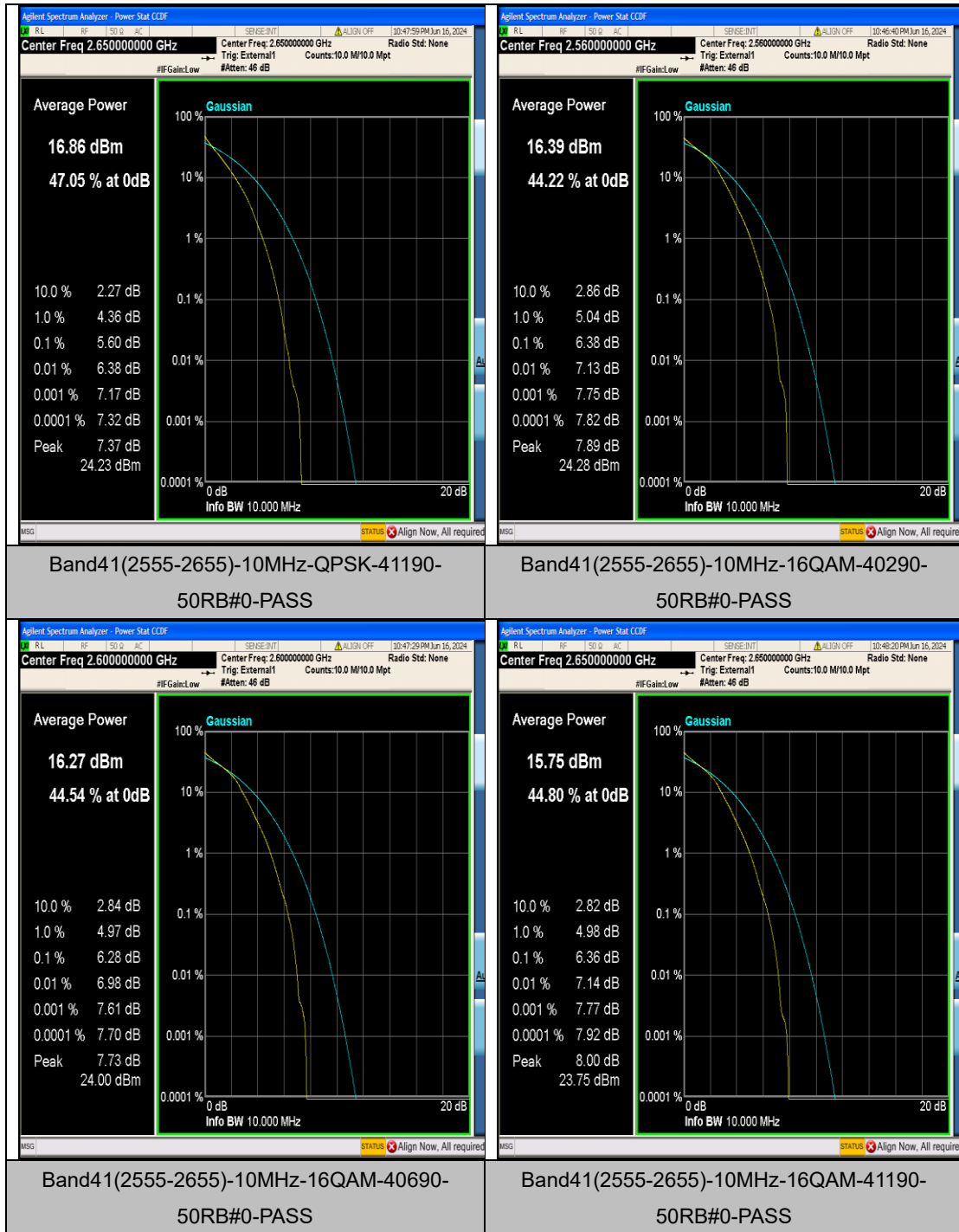
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	5.78	13	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	5.68	13	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	5.77	13	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	6.46	13	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	6.36	13	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	6.39	13	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	5.59	13	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	5.48	13	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	5.60	13	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	6.38	13	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	6.28	13	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	6.36	13	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	5.83	13	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	5.76	13	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	5.89	13	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	6.41	13	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	6.34	13	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	6.43	13	PASS

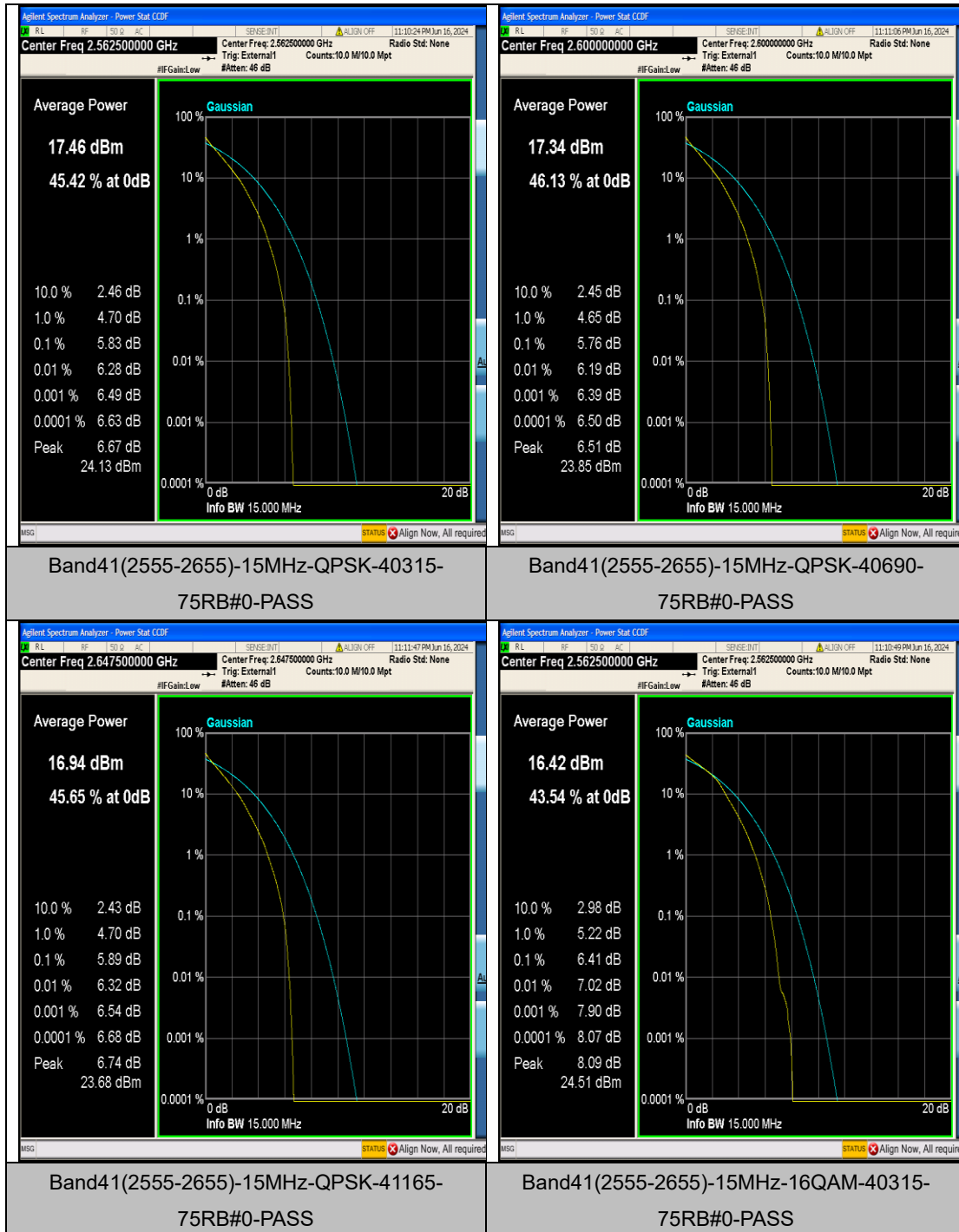
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	5.47	13	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	5.43	13	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	5.50	13	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	6.26	13	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	6.20	13	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	6.31	13	PASS

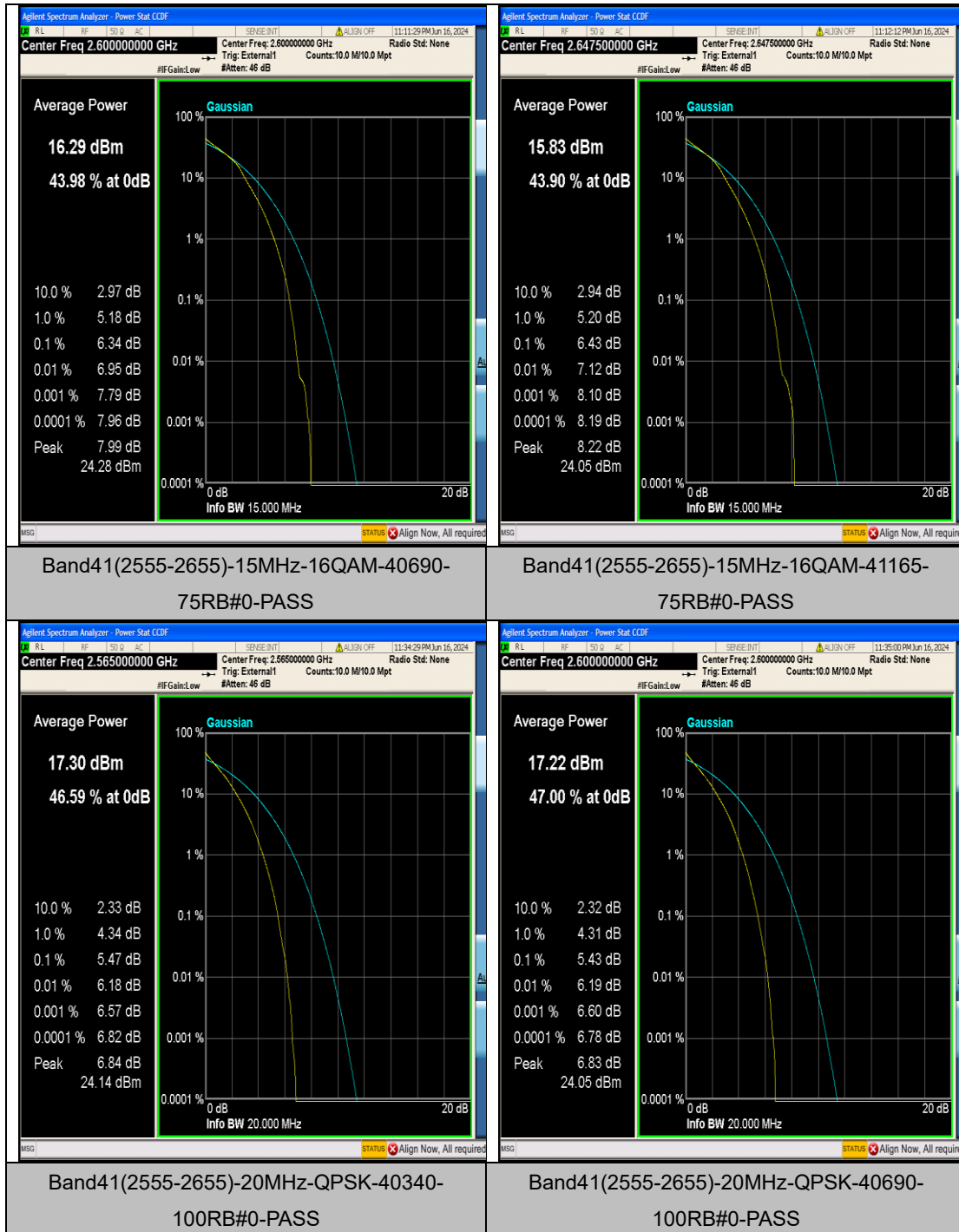
# Test Graphs



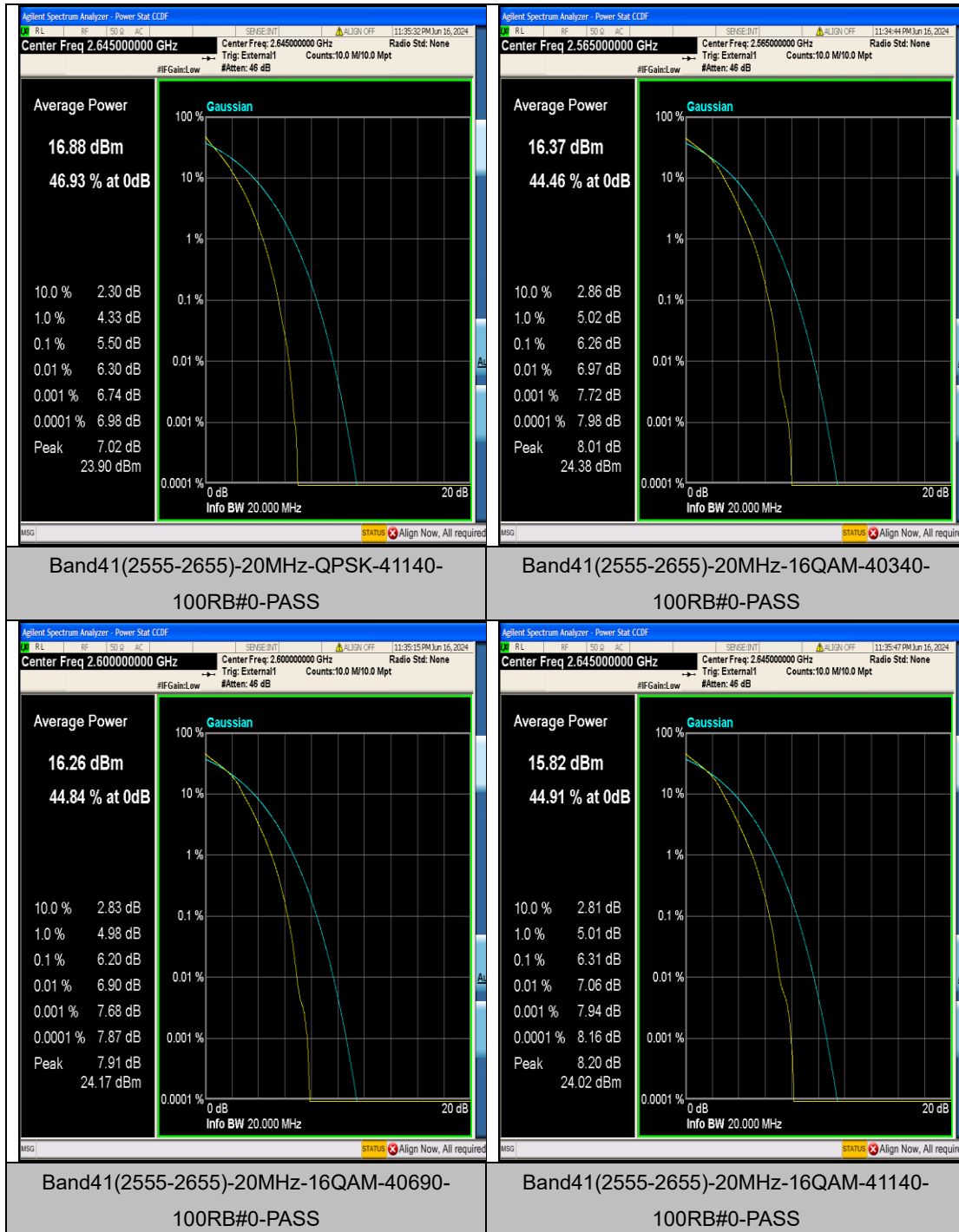












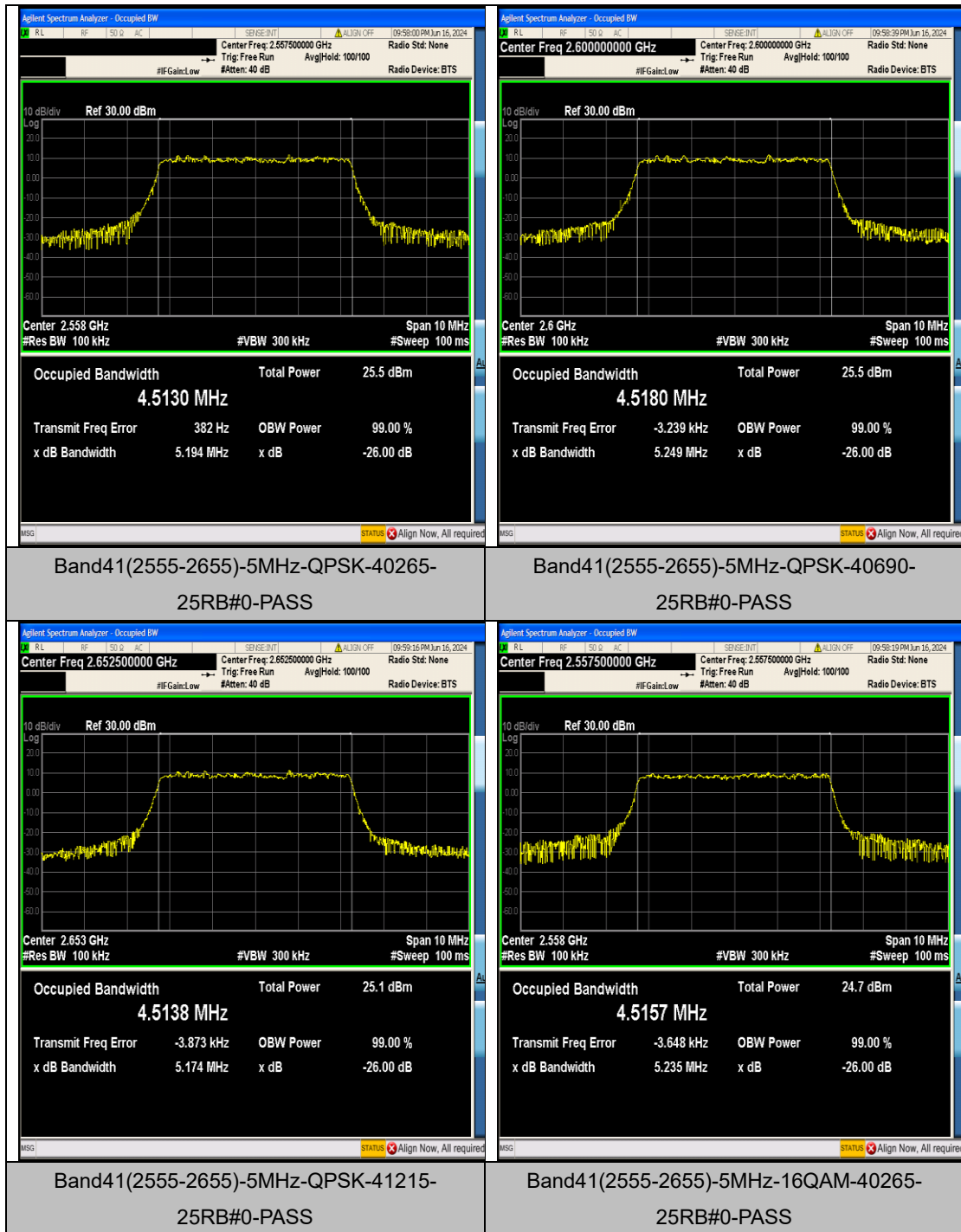
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

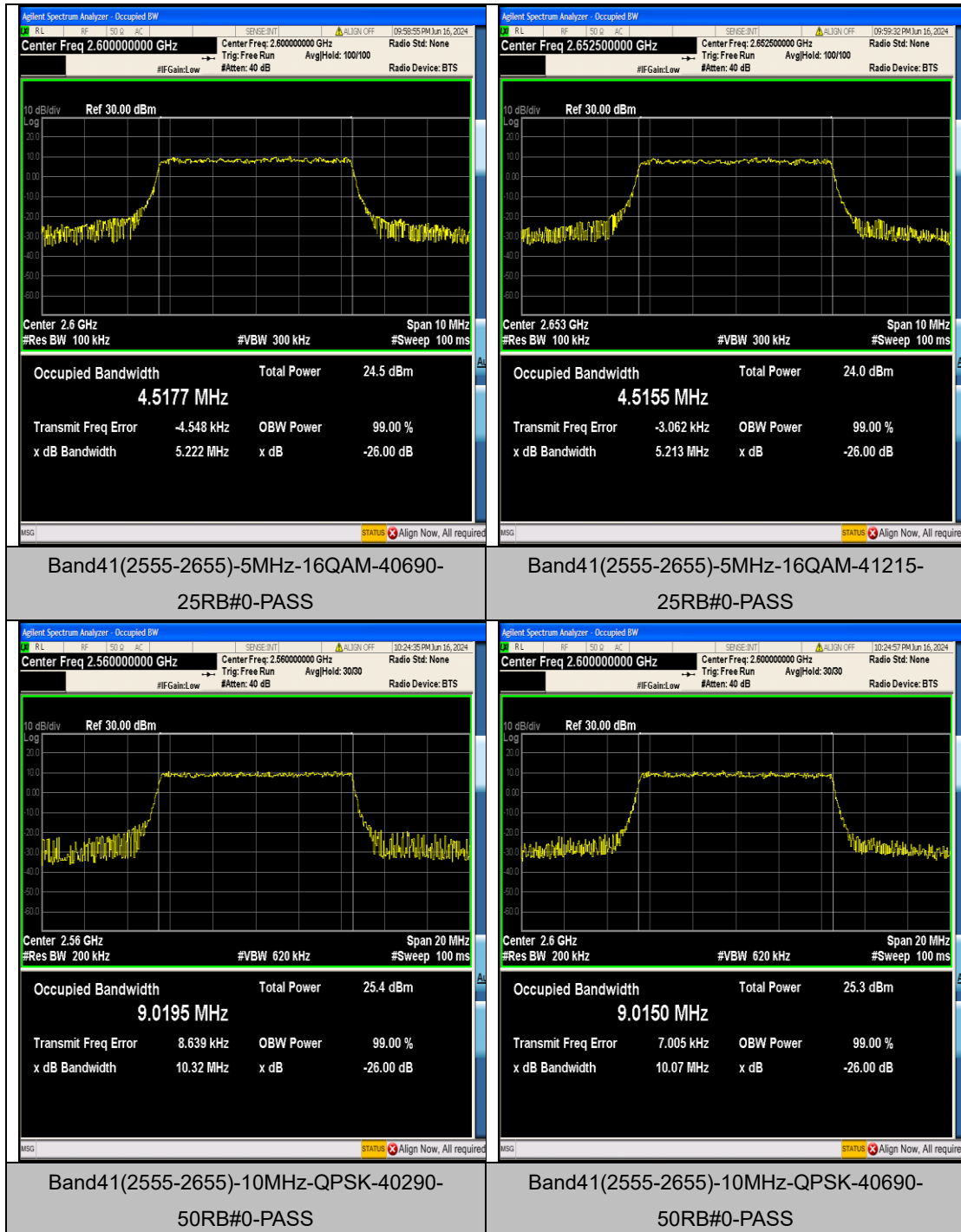
### Test Result

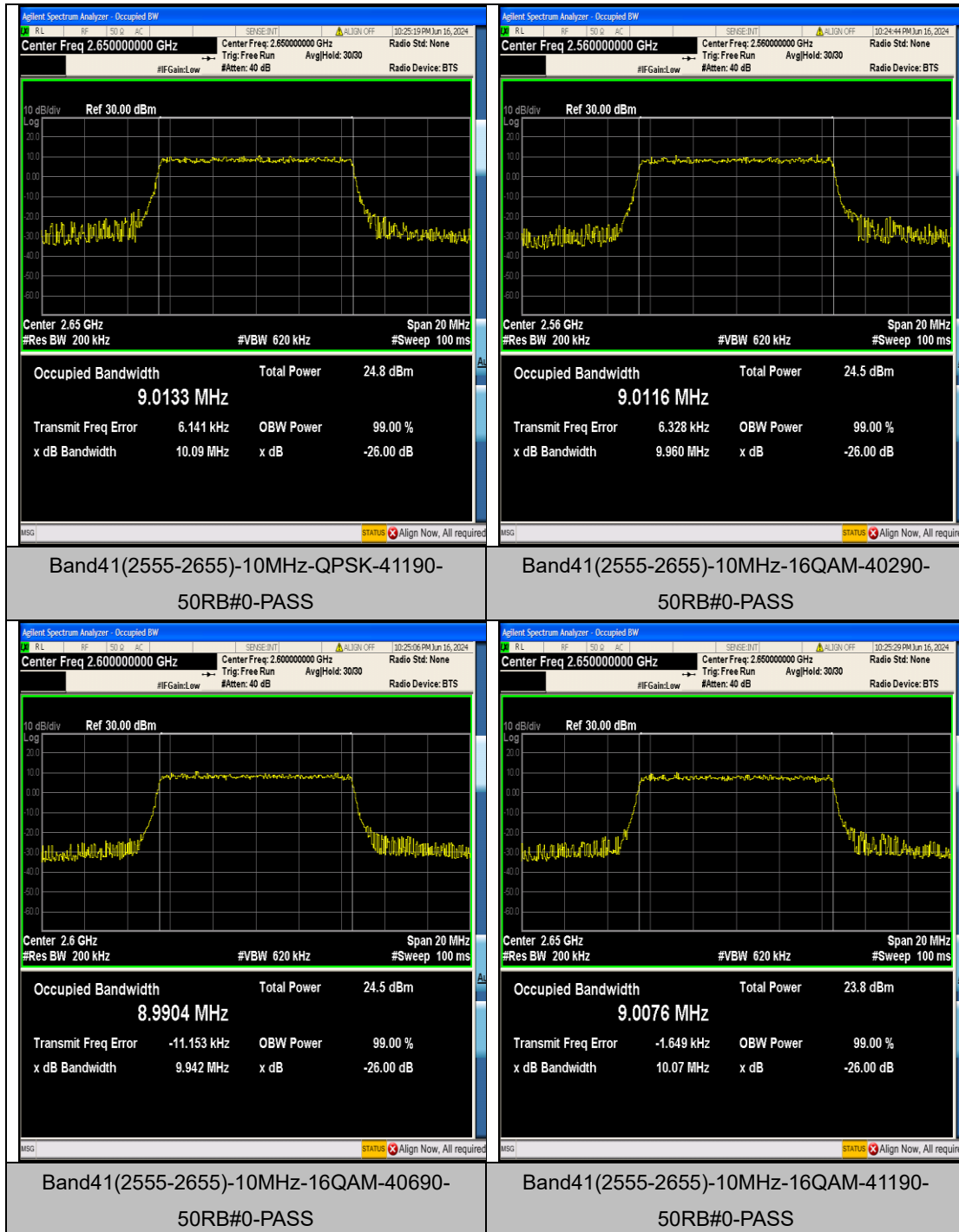
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	4.5130	5.194	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	4.5180	5.249	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	4.5138	5.174	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	4.5157	5.235	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	4.5177	5.222	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	4.5155	5.213	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	9.0195	10.32	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	9.0150	10.07	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	9.0133	10.09	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	9.0116	9.960	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	8.9904	9.942	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	9.0076	10.07	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	13.499	15.03	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	13.513	15.14	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	13.493	14.95	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	13.502	15.79	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	13.497	15.64	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	13.503	15.56	PASS

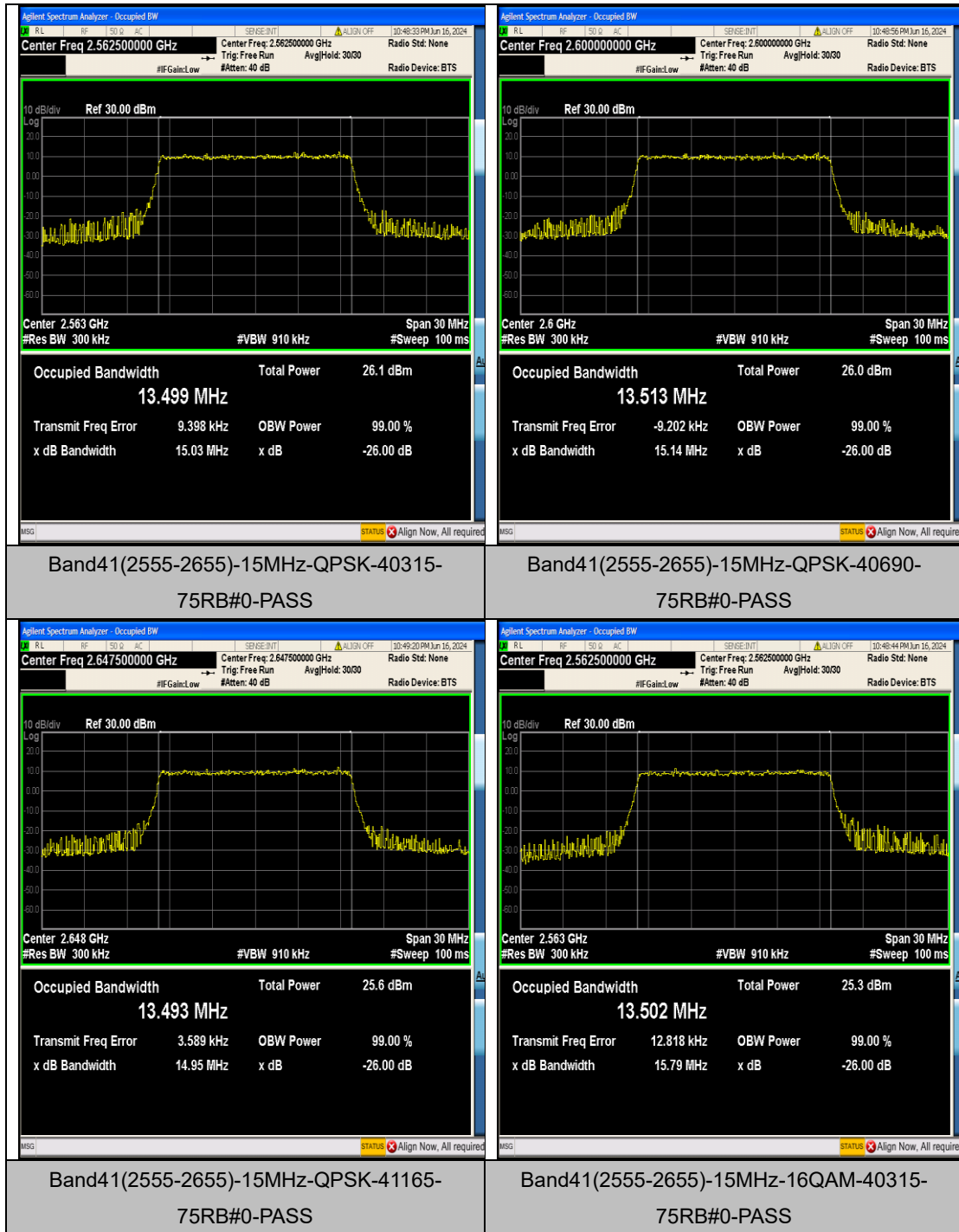
2655)							
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	17.979	19.62	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	17.991	19.82	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	17.938	19.61	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	17.955	19.58	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	17.945	19.73	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	17.927	19.68	PASS

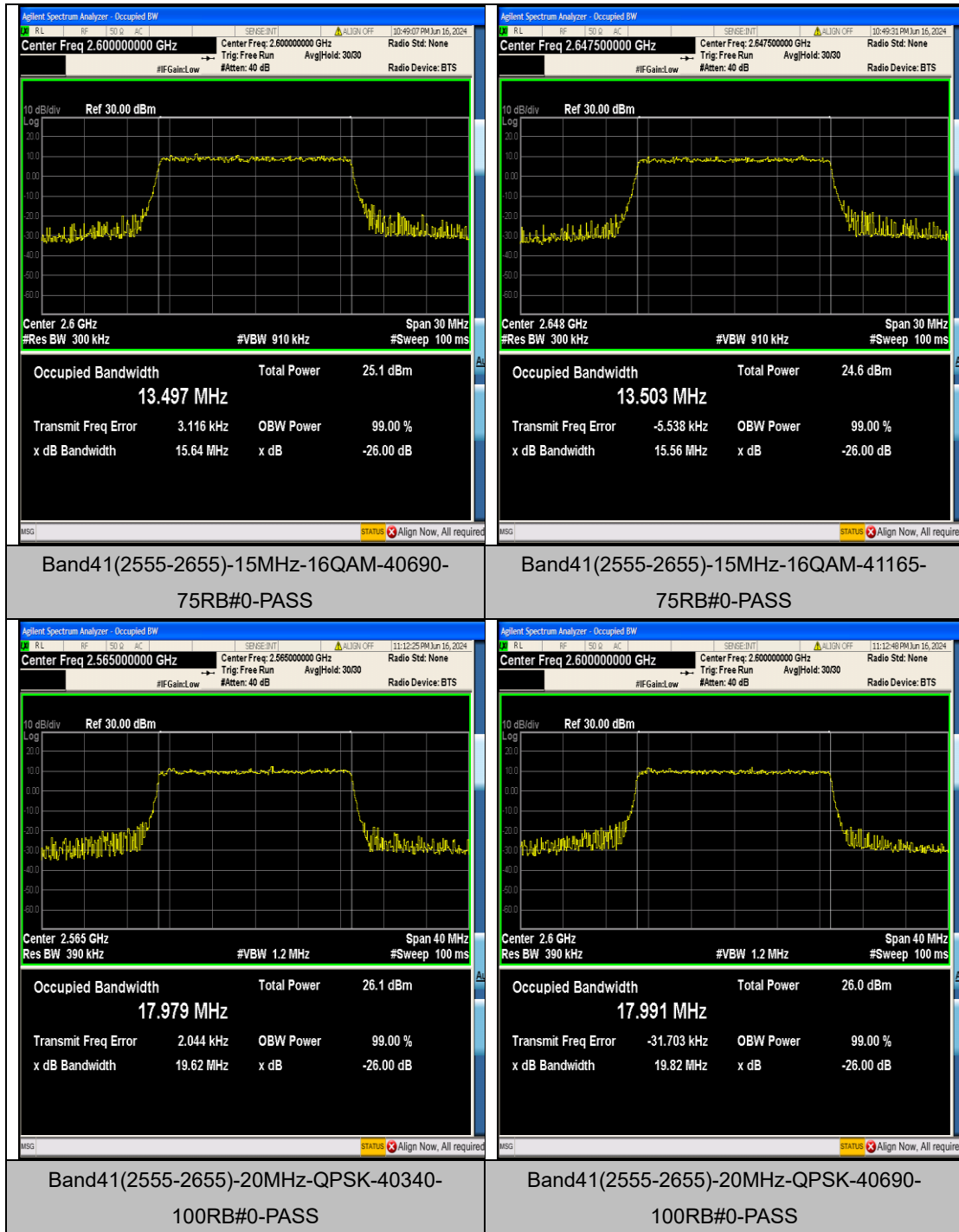
# Test Graphs



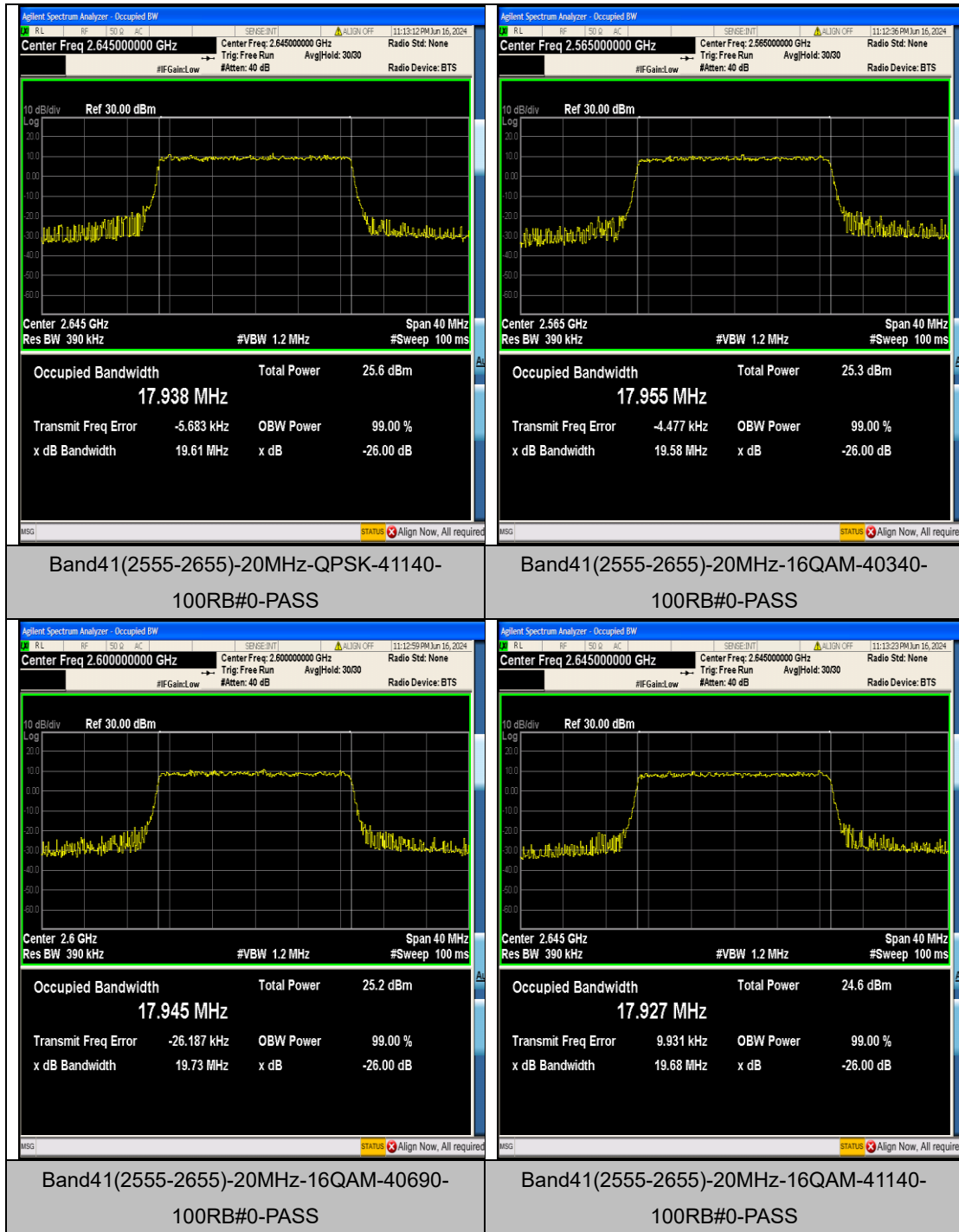










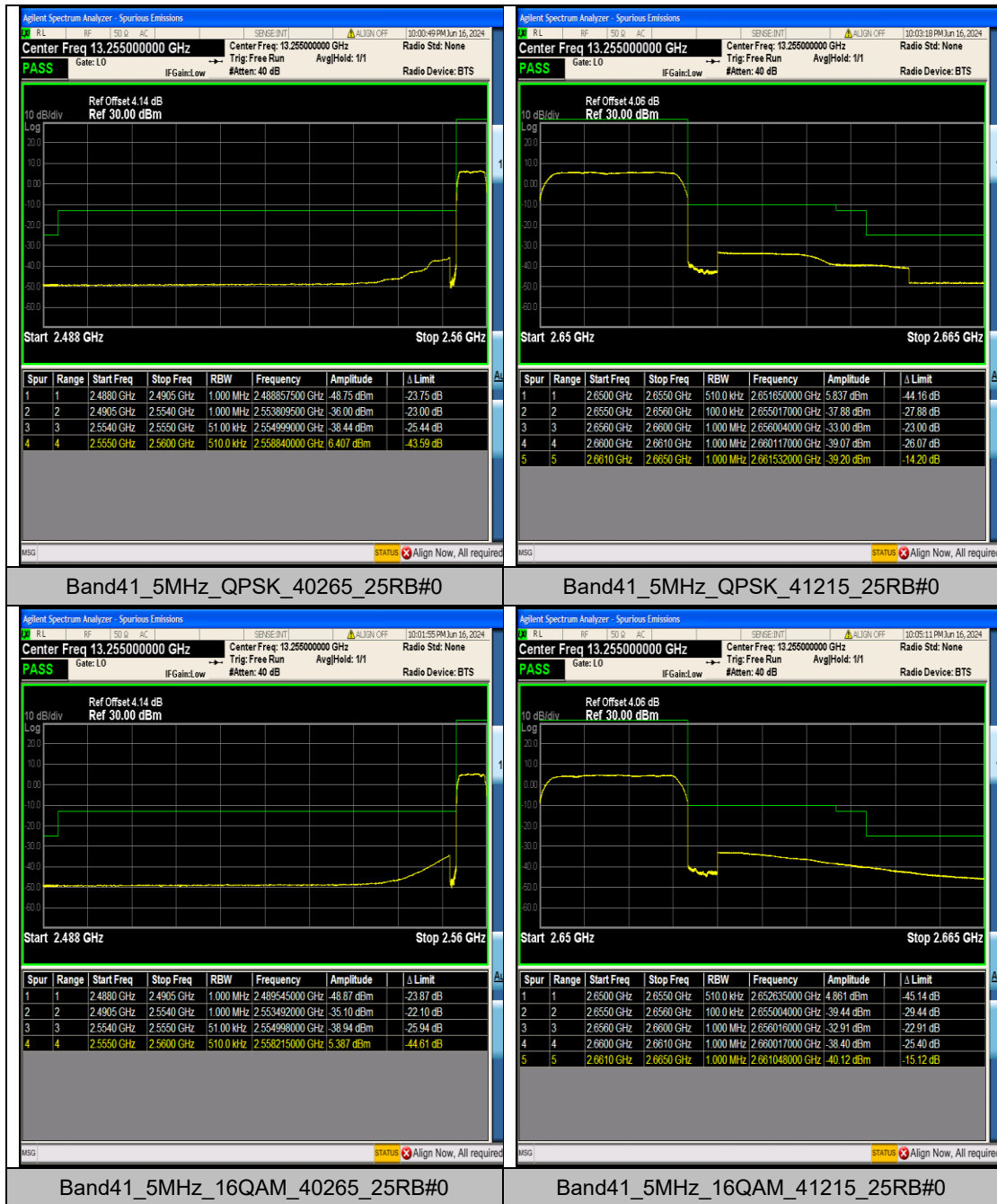


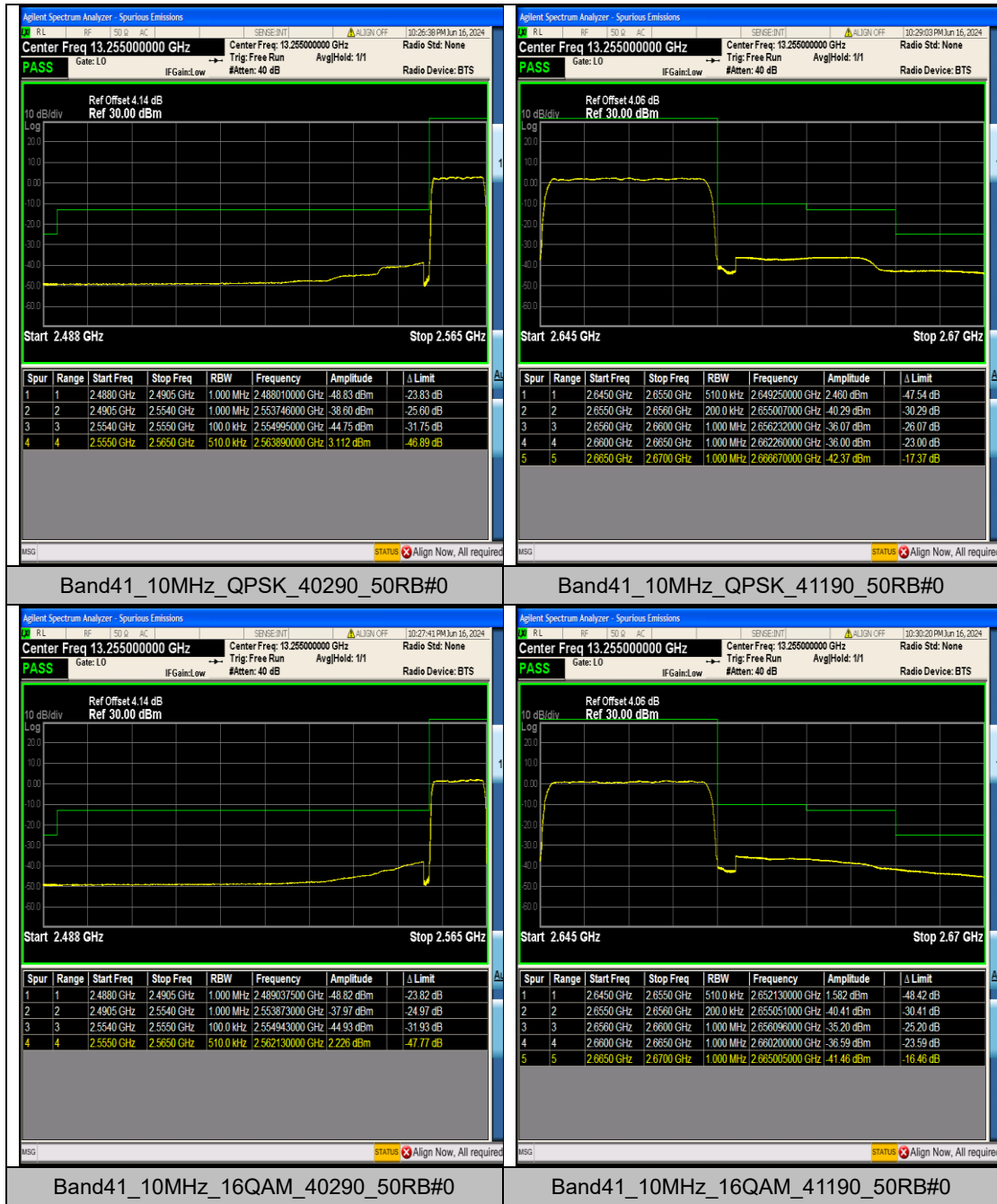
## Appendix D: Band Edge

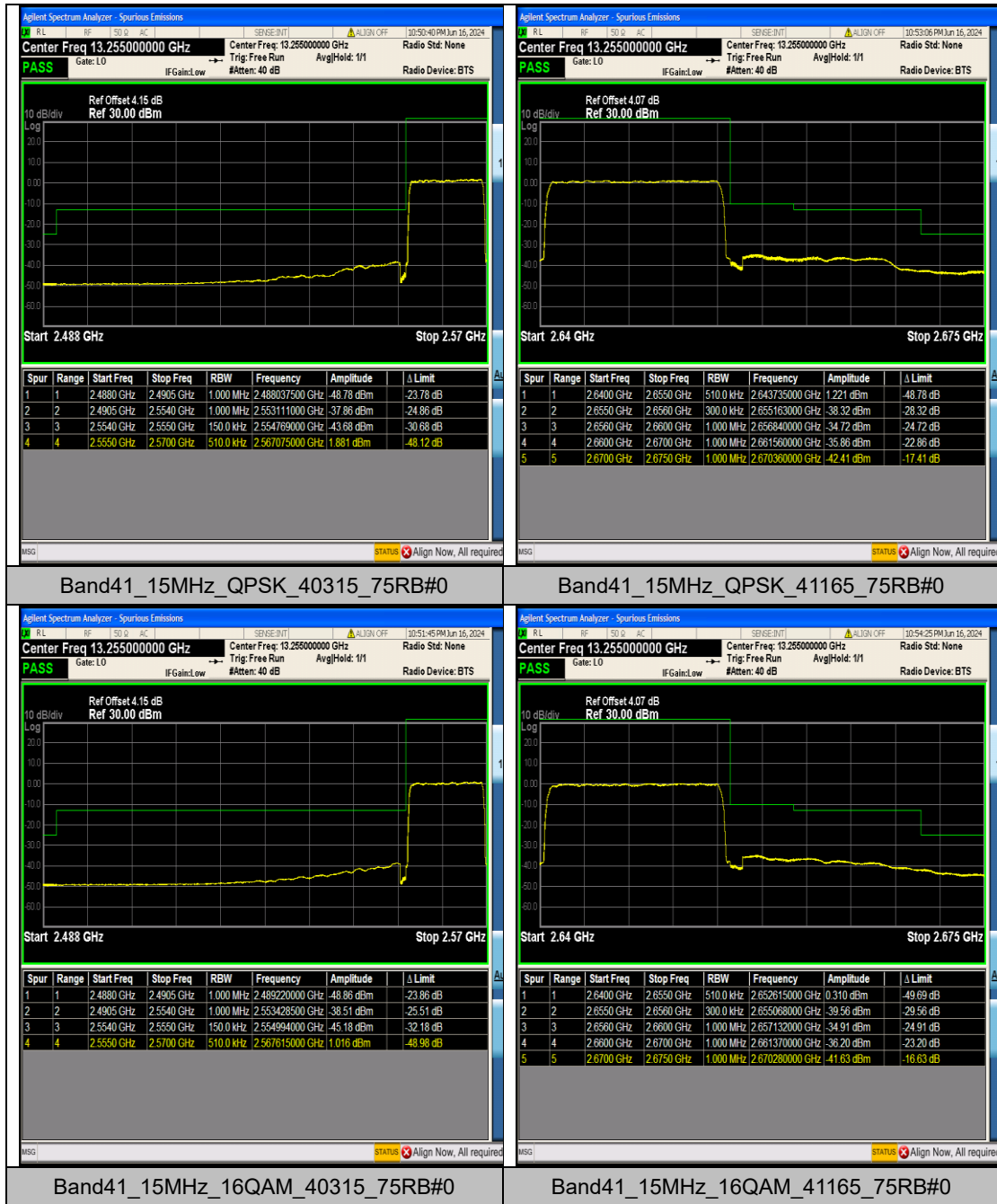
### Test Result

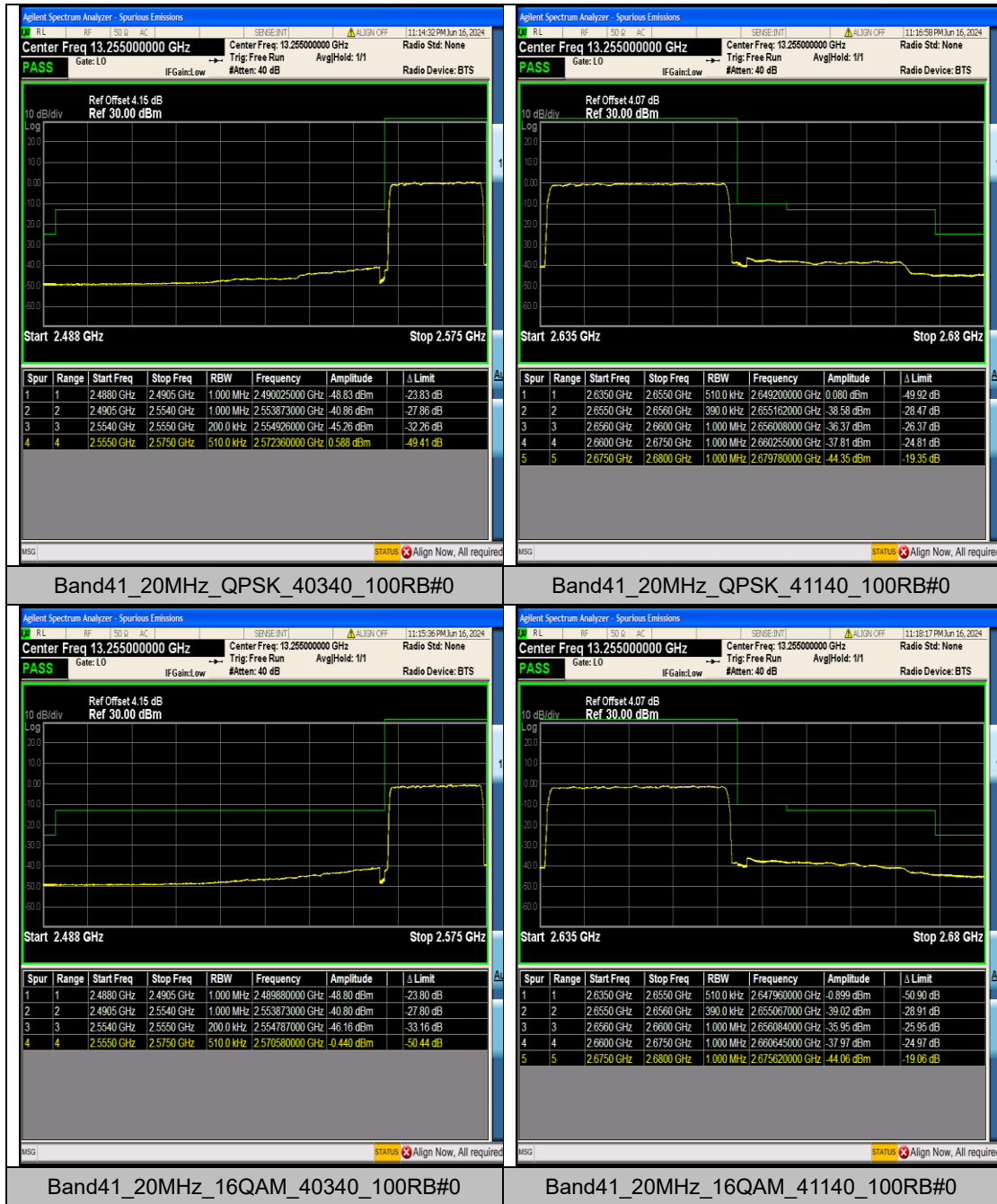
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	-36.00	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	-39.20	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	-35.10	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	-40.12	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	-48.83	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	-42.37	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	-48.82	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	-41.46	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	-48.78	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	-42.41	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	-48.86	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	-41.63	PASS
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	-48.83	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	-44.35	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	-48.80	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	-44.06	PASS

# Test Graphs









## Appendix E: Conducted Spurious Emission

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	0.009~0.15	-73.55	PASS
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	0.15~30	-67.28	PASS
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	30~1000	-66.63	PASS
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	1000~20000	-41.80	PASS
Band41(2555-2655)	5MHz	QPSK	40265	25RB#0	20000~27000	-39.86	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	0.009~0.15	-73.95	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	0.15~30	-64.98	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	30~1000	-66.62	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	1000~20000	-41.87	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	20000~27000	-39.75	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	0.009~0.15	-75.14	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	0.15~30	-68.02	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	30~1000	-66.45	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	1000~20000	-42.60	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	20000~27000	-39.74	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	0.009~0.15	-75.35	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	0.15~30	-66.70	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	30~1000	-66.73	PASS

Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	1000~20000	- 45.09	PASS
Band41(2555-2655)	5MHz	16QAM	40265	25RB#0	20000~27000	- 39.77	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	0.009~0.15	- 72.97	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	0.15~30	- 66.97	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	30~1000	- 66.45	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	1000~20000	- 44.37	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	20000~27000	- 39.44	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	0.009~0.15	- 74.47	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	0.15~30	- 70.07	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	30~1000	- 66.64	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	1000~20000	- 43.90	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	20000~27000	- 39.62	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	0.009~0.15	- 73.57	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	0.15~30	- 67.04	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	30~1000	- 66.78	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	1000~20000	- 46.23	PASS
Band41(2555-2655)	10MHz	QPSK	40290	50RB#0	20000~27000	- 39.70	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	0.009~0.15	- 74.52	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	0.15~30	- 67.70	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	30~1000	- 66.41	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	1000~20000	- 45.34	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	20000~27000	- 39.70	PASS



Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	0.009~0.15	- 75.04	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	0.15~30	- 65.67	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	30~1000	- 66.71	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	1000~20000	- 44.93	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	20000~27000	- 39.64	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	0.009~0.15	- 74.95	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	0.15~30	- 68.81	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	30~1000	- 66.70	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	1000~20000	- 46.11	PASS
Band41(2555-2655)	10MHz	16QAM	40290	50RB#0	20000~27000	- 39.63	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	0.009~0.15	- 72.36	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	0.15~30	- 66.56	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	30~1000	- 66.32	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	1000~20000	- 45.17	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	20000~27000	- 39.67	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	0.009~0.15	- 74.69	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	0.15~30	- 67.43	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	30~1000	- 66.56	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	1000~20000	- 45.87	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	20000~27000	- 39.79	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	0.009~0.15	- 72.12	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	0.15~30	- 64.36	PASS

Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	30~1000	- 66.42	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	1000~20000	- 45.02	PASS
Band41(2555-2655)	15MHz	QPSK	40315	75RB#0	20000~27000	- 39.72	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	0.009~0.15	- 71.71	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	0.15~30	- 68.58	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	30~1000	- 66.78	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	1000~20000	- 45.84	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	20000~27000	- 38.82	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	0.009~0.15	- 71.94	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	0.15~30	- 66.42	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	30~1000	- 66.69	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	1000~20000	- 45.55	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	20000~27000	- 39.58	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	0.009~0.15	- 74.38	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	0.15~30	- 65.17	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	30~1000	- 66.79	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	1000~20000	- 45.70	PASS
Band41(2555-2655)	15MHz	16QAM	40315	75RB#0	20000~27000	- 39.37	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	0.009~0.15	- 73.73	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	0.15~30	- 66.66	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	30~1000	- 66.64	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	1000~20000	- 45.66	PASS

Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	20000~27000	- 39.64	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	0.009~0.15	- 74.80	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	0.15~30	- 67.37	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	30~1000	- 66.81	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	1000~20000	- 46.10	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	20000~27000	- 39.81	PASS
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	0.009~0.15	- 71.97	PASS
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	0.15~30	- 65.46	PASS
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	30~1000	- 66.46	PASS
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	1000~20000	- 46.31	PASS
Band41(2555-2655)	20MHz	QPSK	40340	100RB#0	20000~27000	- 39.42	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	0.009~0.15	- 74.59	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	0.15~30	- 64.47	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	30~1000	- 66.27	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	1000~20000	- 45.96	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	20000~27000	- 39.63	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	0.009~0.15	- 70.93	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	0.15~30	- 67.37	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	30~1000	- 66.56	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	1000~20000	- 45.93	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	20000~27000	- 39.58	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	0.009~0.15	- 74.00	PASS

Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	0.15~30	- 66.31	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	30~1000	- 66.58	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	1000~20000	- 46.35	PASS
Band41(2555-2655)	20MHz	16QAM	40340	100RB#0	20000~27000	- 39.86	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	0.009~0.15	- 73.58	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	0.15~30	- 66.62	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	30~1000	- 66.23	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	1000~20000	- 45.77	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	20000~27000	- 39.73	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	0.009~0.15	- 73.99	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	0.15~30	- 68.93	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	30~1000	- 66.57	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	1000~20000	- 45.41	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	20000~27000	- 39.59	PASS

# Test Graphs

