

# 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

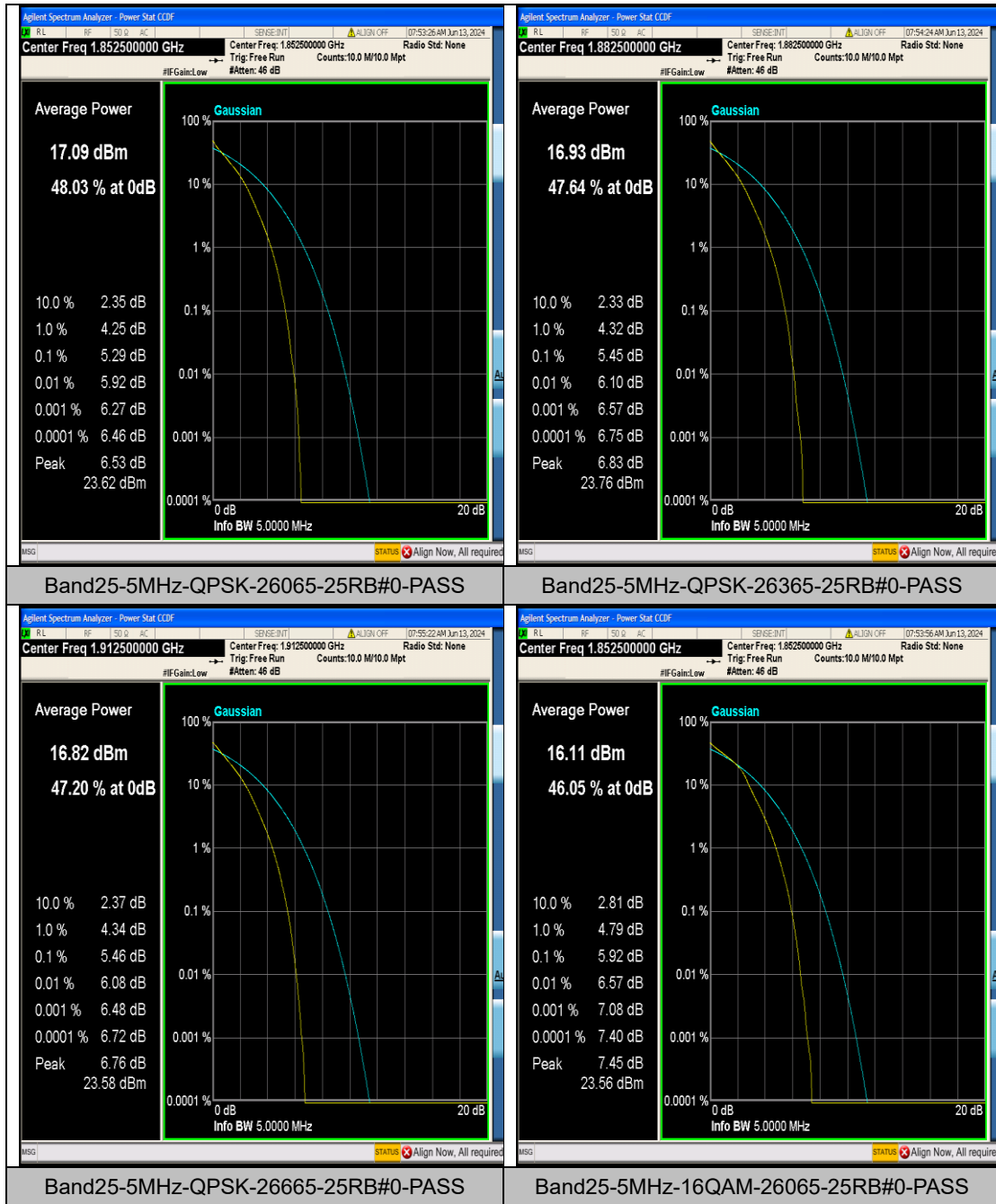
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	4.89	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.14	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	5.19	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.69	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	5.91	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.99	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.19	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.38	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	5.38	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.98	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	6.16	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.07	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.29	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.45	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.46	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.92	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	6.11	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.10	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.28	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.46	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.42	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	5.99	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	6.14	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	6.13	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.44	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.61	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.60	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	6.06	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	6.15	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	6.23	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.33	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.39	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.41	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.04	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.14	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.16	13	PASS

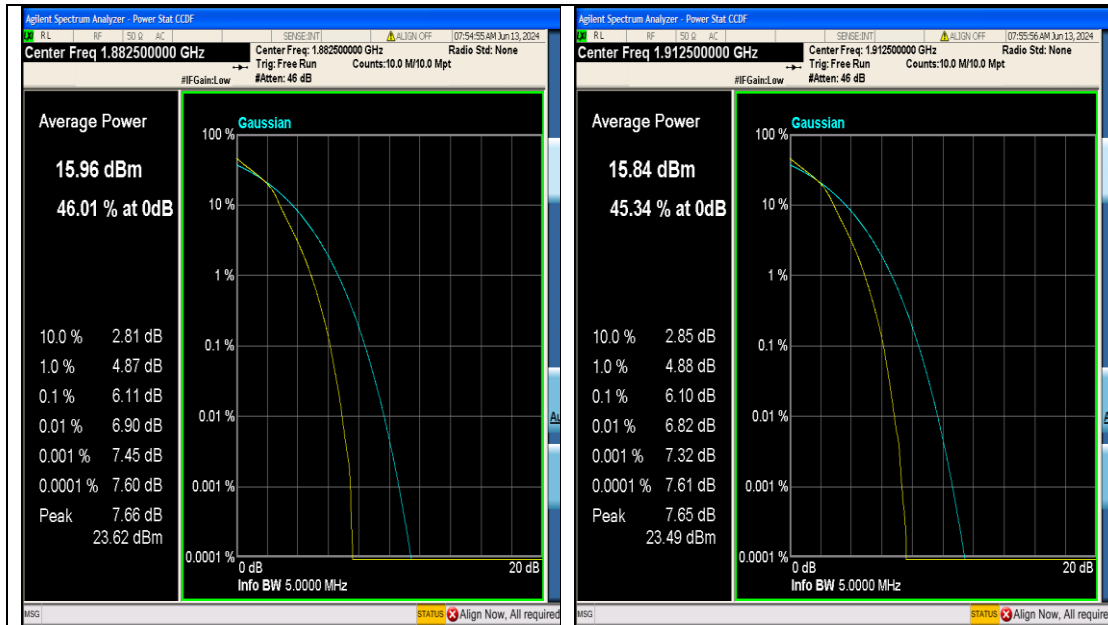
# Test Graphs











Band25-5MHz-16QAM-26365-25RB#0-PASS

Band25-5MHz-16QAM-26665-25RB#0-PASS



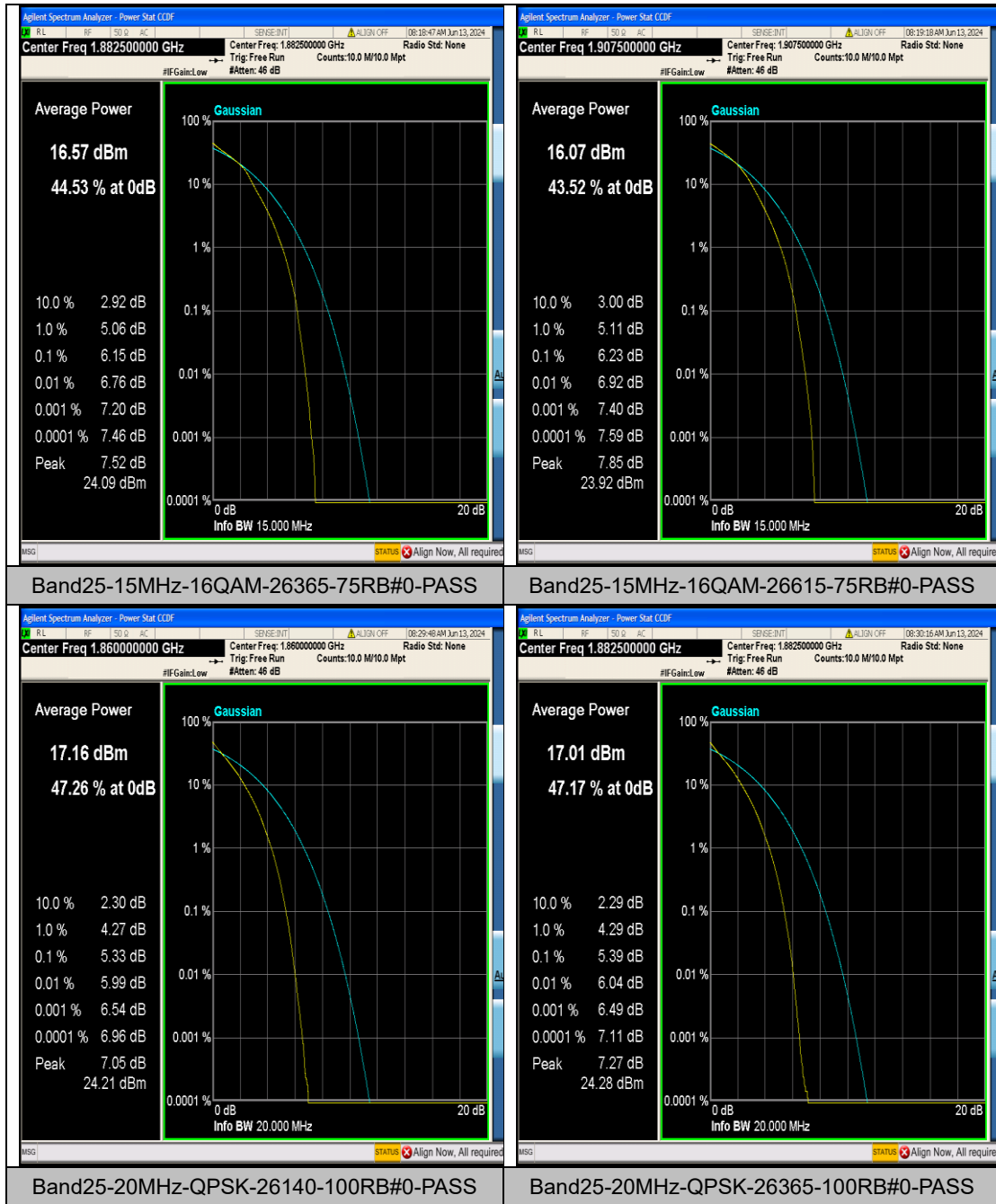
Band25-10MHz-QPSK-26090-50RB#0-PASS

Band25-10MHz-QPSK-26365-50RB#0-PASS











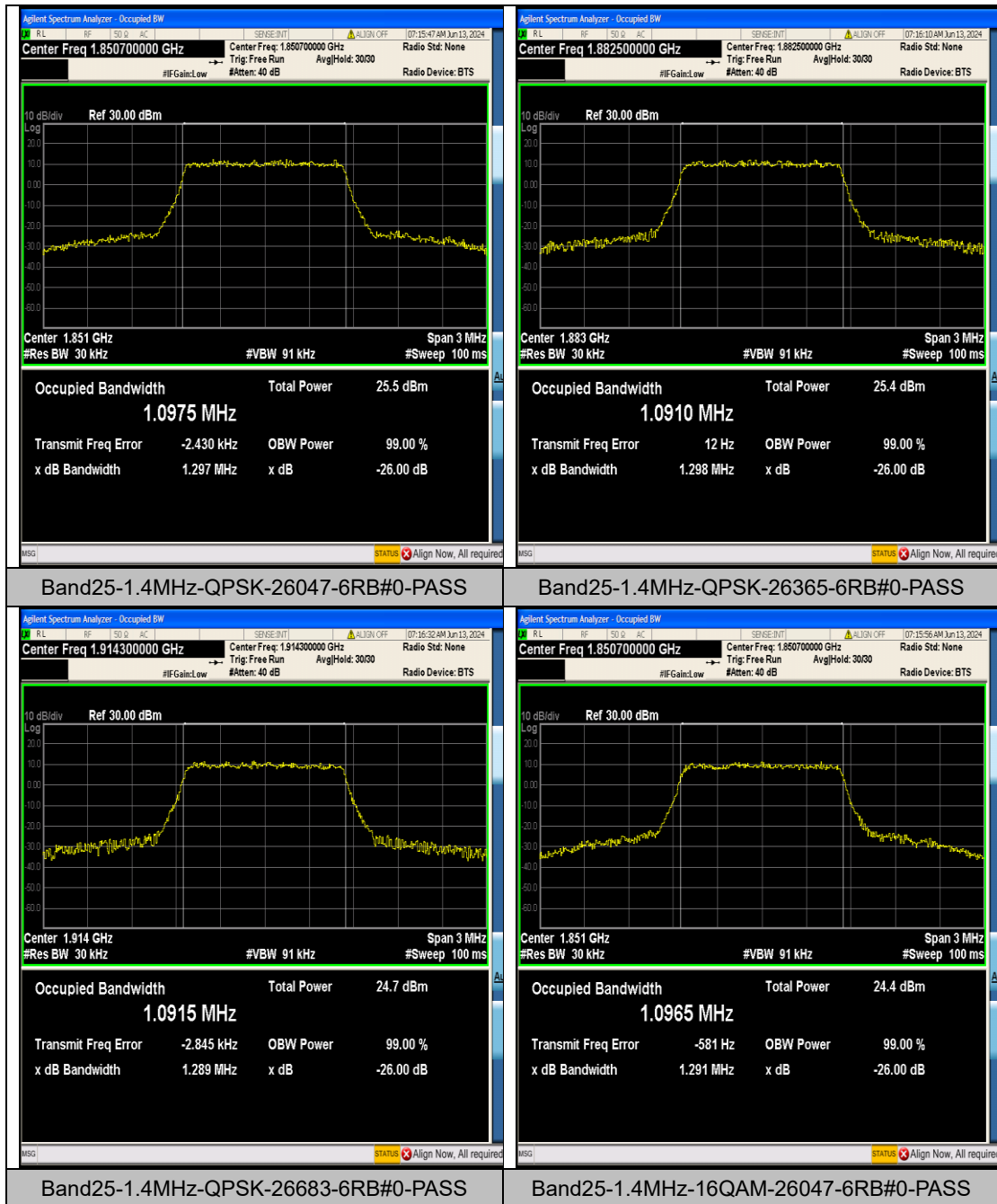
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

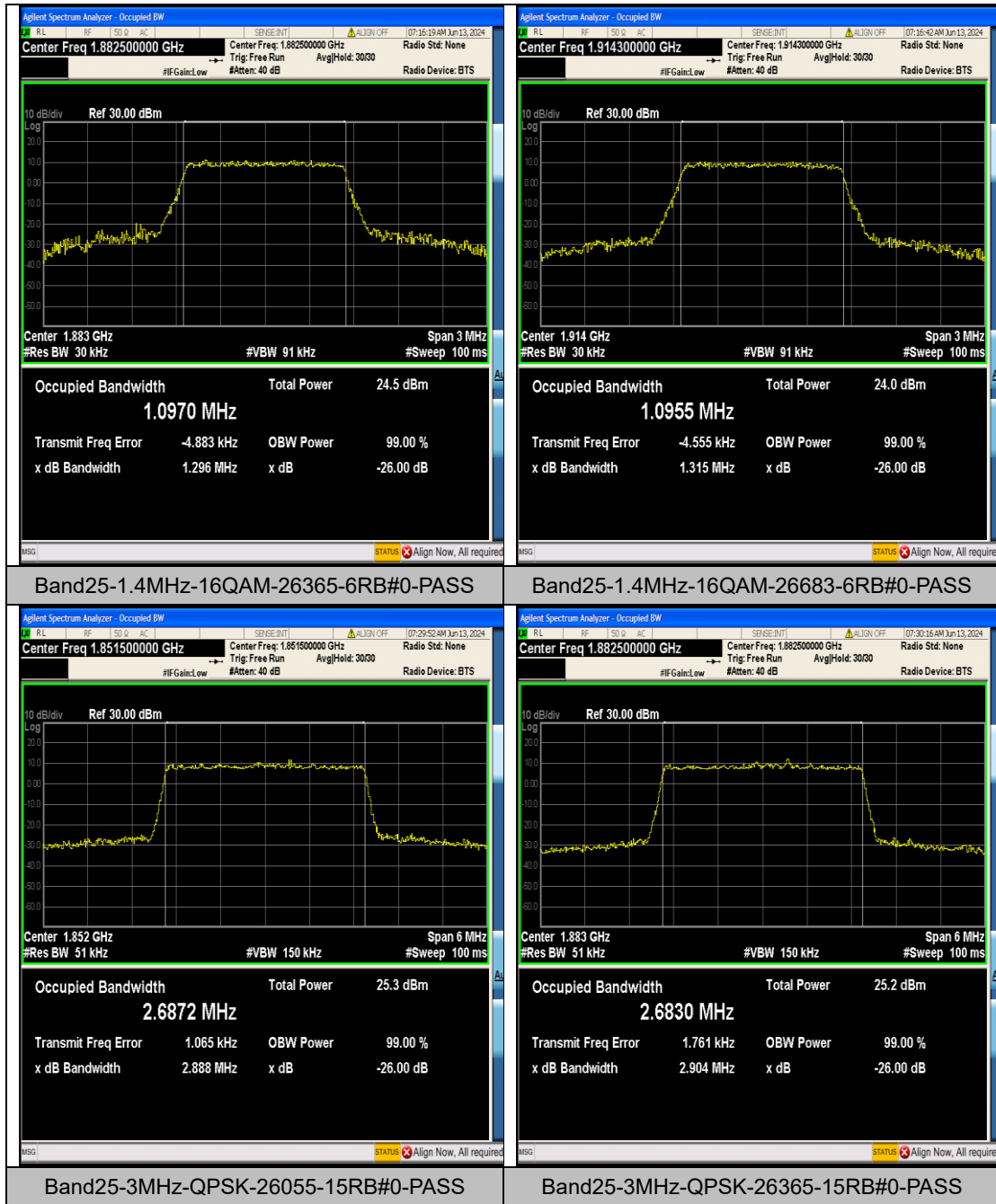
### Test Result

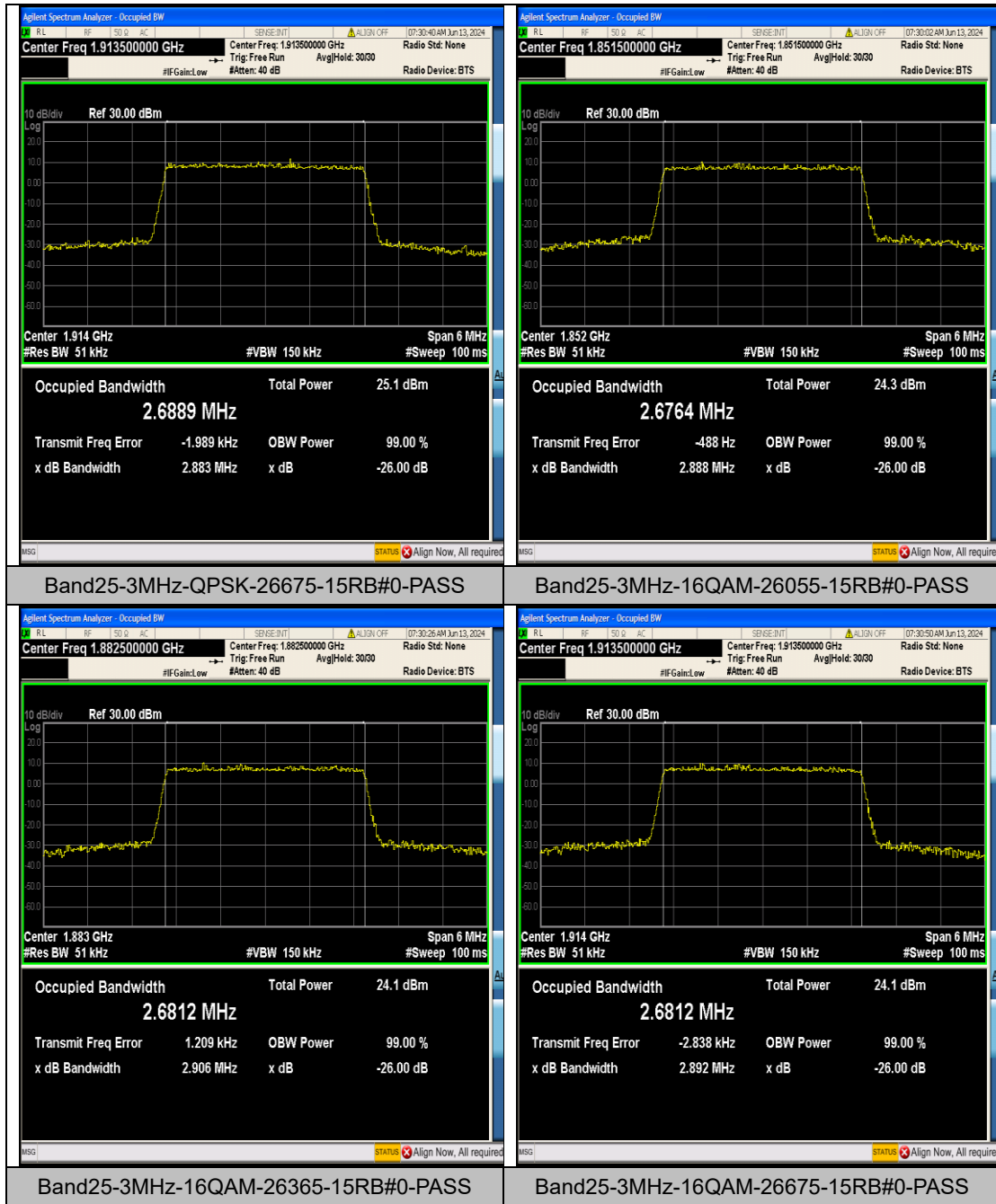
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0975	1.297	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0910	1.298	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0915	1.289	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0965	1.291	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0970	1.296	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0955	1.315	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6872	2.888	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.6830	2.904	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6889	2.883	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6764	2.888	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6812	2.906	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6812	2.892	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.5259	5.214	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.5201	5.200	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5206	5.194	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.5250	5.177	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.5190	5.153	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.5180	5.131	PASS
Band25	10MHz	QPSK	26090	50RB#0	9.0146	10.13	PASS
Band25	10MHz	QPSK	26365	50RB#0	9.0137	10.17	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9957	10.13	PASS
Band25	10MHz	16QAM	26090	50RB#0	9.0053	10.05	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9993	10.04	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9940	9.953	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.520	15.10	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.530	15.26	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.497	15.13	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.503	15.05	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.514	15.05	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.484	14.97	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.963	19.83	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.975	19.77	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.964	19.69	PASS
Band25	20MHz	16QAM	26140	100RB#0	18.017	19.74	PASS

Band25	20MHz	16QAM	26365	100RB#0	17.994	19.80	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.989	19.63	PASS

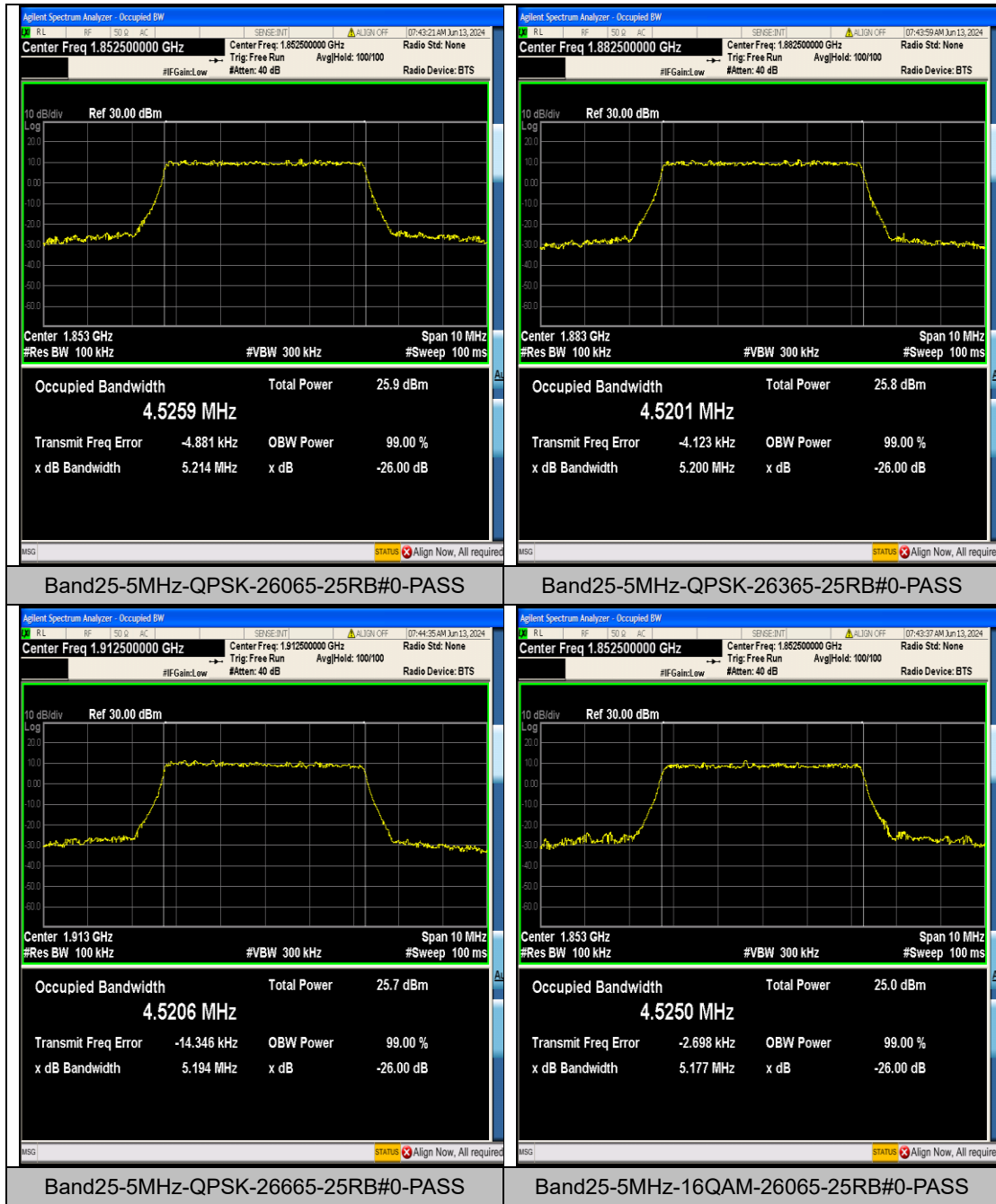
# Test Graphs













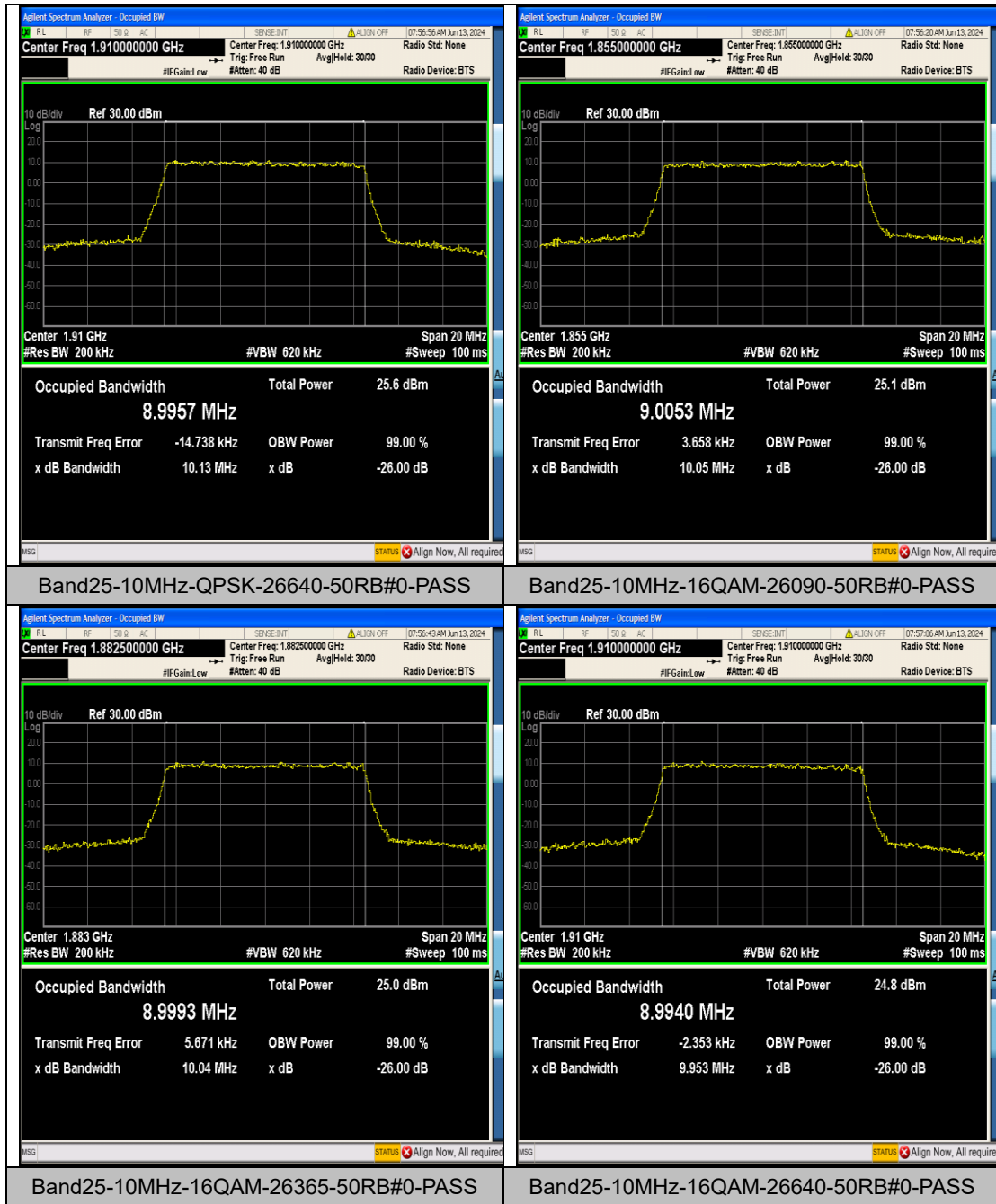
Band25-5MHz-16QAM-26365-25RB#0-PASS

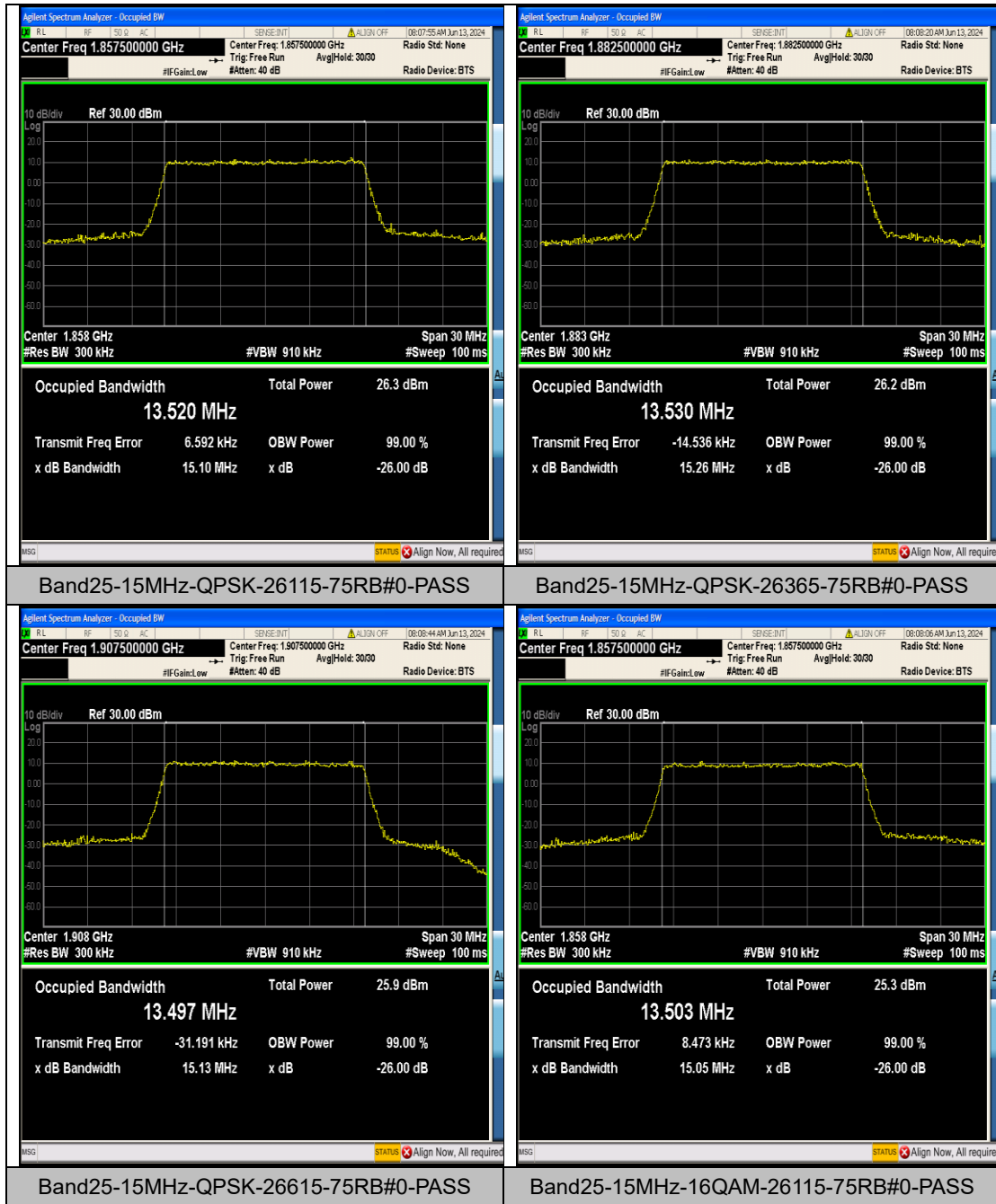
Band25-5MHz-16QAM-26665-25RB#0-PASS

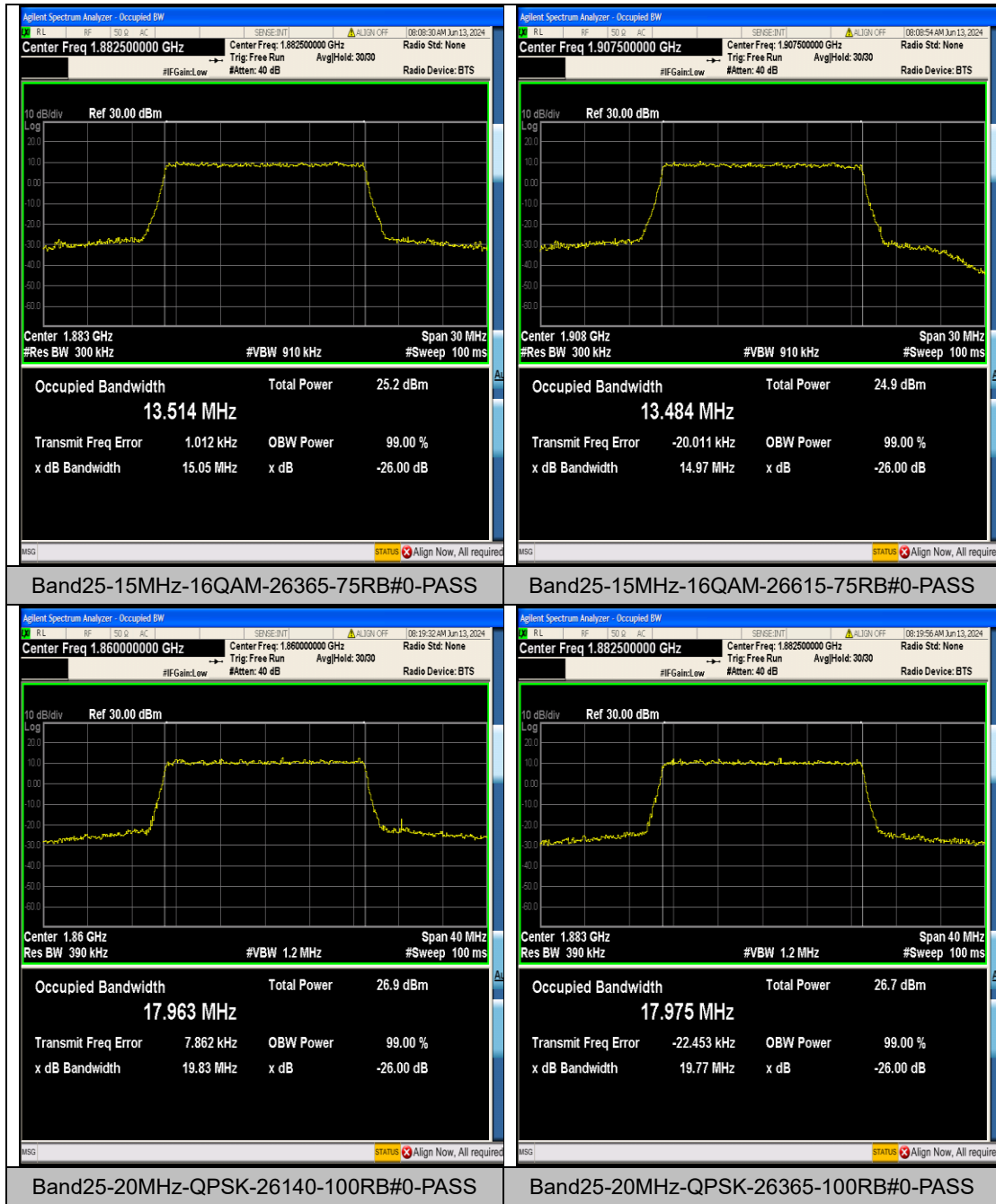


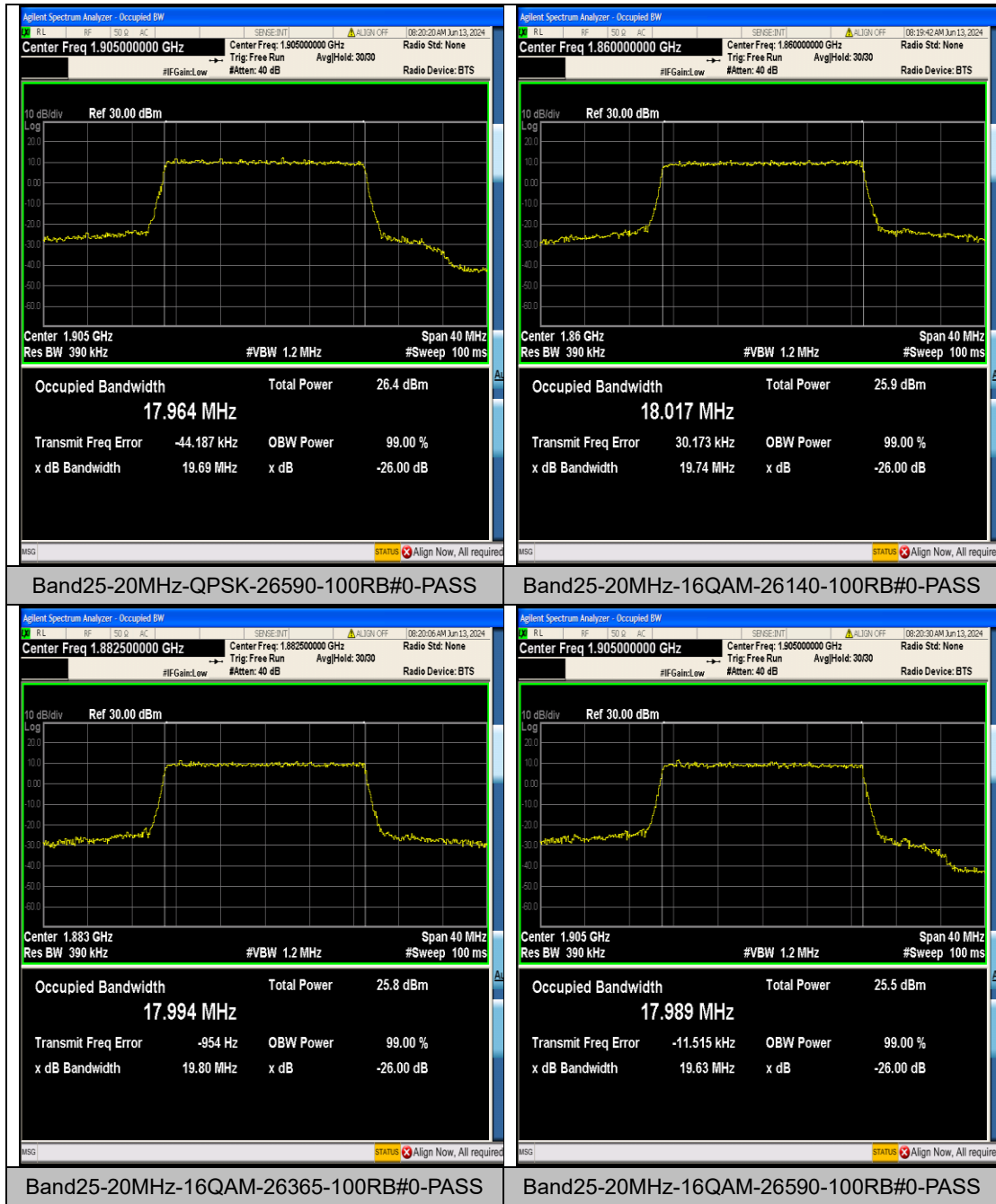
Band25-10MHz-QPSK-26090-50RB#0-PASS

Band25-10MHz-QPSK-26365-50RB#0-PASS







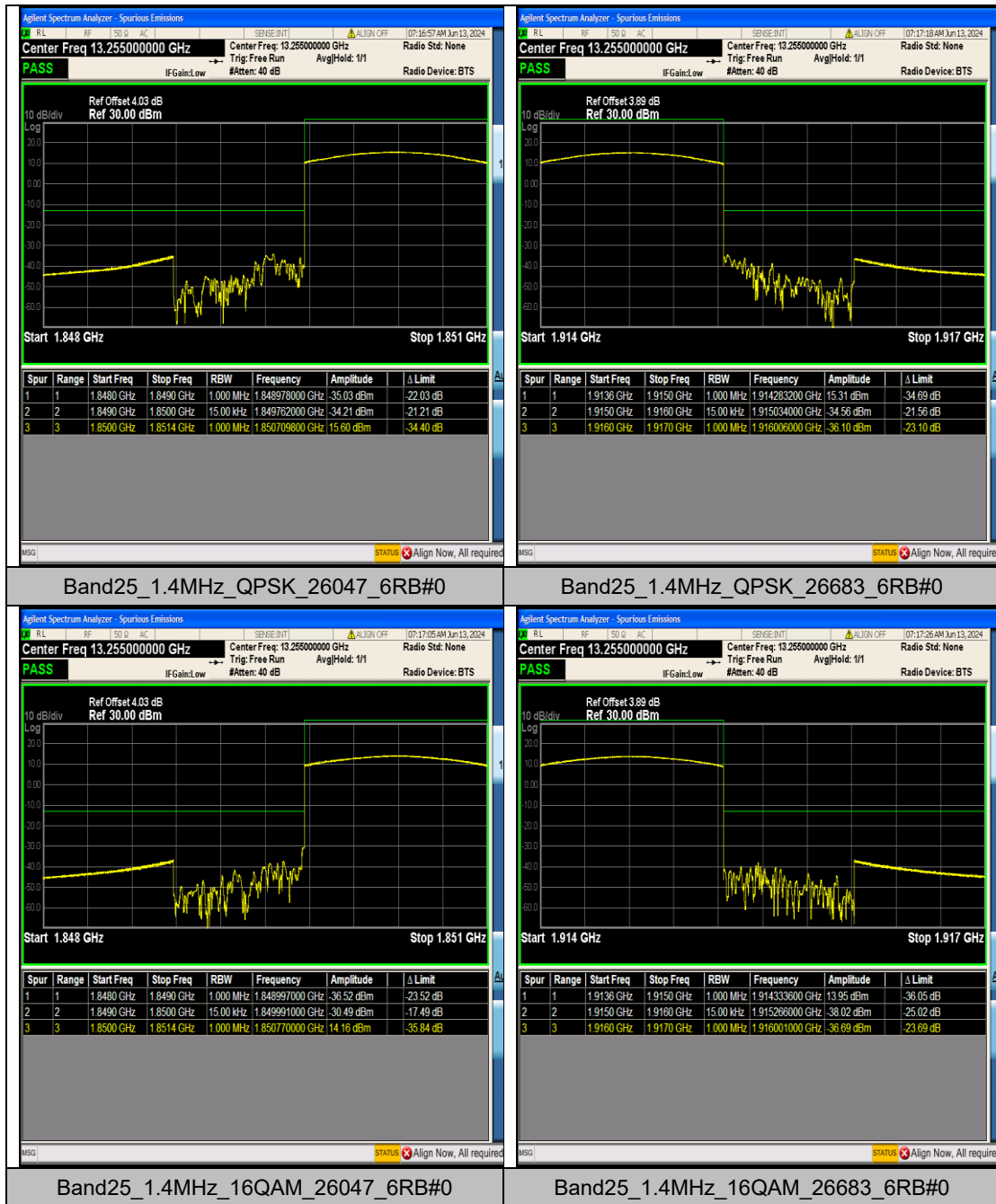


## Appendix D: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	-34.21	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-34.56	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-30.49	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-36.69	PASS
Band25	3MHz	QPSK	26055	15RB#0	-30.96	PASS
Band25	3MHz	QPSK	26675	15RB#0	-32.97	PASS
Band25	3MHz	16QAM	26055	15RB#0	-32.32	PASS
Band25	3MHz	16QAM	26675	15RB#0	-33.42	PASS
Band25	5MHz	QPSK	26065	25RB#0	-31.21	PASS
Band25	5MHz	QPSK	26665	25RB#0	-32.61	PASS
Band25	5MHz	16QAM	26065	25RB#0	-32.22	PASS
Band25	5MHz	16QAM	26665	25RB#0	-33.52	PASS
Band25	10MHz	QPSK	26090	50RB#0	-32.74	PASS
Band25	10MHz	QPSK	26640	50RB#0	-34.54	PASS
Band25	10MHz	16QAM	26090	50RB#0	-34.49	PASS
Band25	10MHz	16QAM	26640	50RB#0	-35.87	PASS
Band25	15MHz	QPSK	26115	75RB#0	-31.49	PASS
Band25	15MHz	QPSK	26615	75RB#0	-34.87	PASS
Band25	15MHz	16QAM	26115	75RB#0	-34.91	PASS
Band25	15MHz	16QAM	26615	75RB#0	-36.90	PASS
Band25	20MHz	QPSK	26140	100RB#0	-33.47	PASS
Band25	20MHz	QPSK	26590	100RB#0	-36.36	PASS
Band25	20MHz	16QAM	26140	100RB#0	-35.97	PASS
Band25	20MHz	16QAM	26590	100RB#0	-37.79	PASS

# Test Graphs







Band25\_3MHz\_QPSK\_26055\_15RB#0

Band25\_3MHz\_QPSK\_26675\_15RB#0



Band25\_3MHz\_16QAM\_26055\_15RB#0

Band25\_3MHz\_16QAM\_26675\_15RB#0