

Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
41(2535-2655)	5MHz	QPSK	40065	25RB#0	VN	NT	-61.33	-0.024169	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	VL	NT	-45.58	-0.017963	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	VH	NT	11.73	0.004623	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	VN	NT	-67.63	-0.026112	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	VL	NT	60.67	0.023425	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	VH	NT	-55.86	-0.021568	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	VN	NT	-38.51	-0.014518	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	VL	NT	-77.65	-0.029274	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	VH	NT	46.41	0.017497	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	VN	NT	-50.63	-0.019953	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	VL	NT	-56.13	-0.022120	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	VH	NT	-61.20	-0.024118	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	VN	NT	79.98	0.030880	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	VL	NT	86.05	0.033224	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	VH	NT	-56.59	-0.021849	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	VN	NT	-9.94	-0.003747	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	VL	NT	-34.79	-0.013116	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	VH	NT	-31.06	-0.011710	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	VN	NT	-50.45	-0.019862	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	VL	NT	-27.11	-0.010673	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	VH	NT	-77.82	-0.030638	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	VN	NT	-59.28	-0.022888	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	VL	NT	-68.52	-0.026456	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	VH	NT	57.58	0.022232	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	VN	NT	-53.96	-0.020362	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	VL	NT	-58.35	-0.022019	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	VH	NT	-55.82	-0.021064	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	VN	NT	-31.36	-0.012346	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	VL	NT	-79.42	-0.031268	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	VH	NT	-83.46	-0.032858	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	VN	NT	80.18	0.030958	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	VL	NT	82.91	0.032012	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	VH	NT	-73.46	-0.028363	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	VN	NT	-18.58	-0.007011	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	VL	NT	45.50	0.017170	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	VH	NT	115.24	0.043487	±2.5	PASS

41(2535-2655)	15MHz	QPSK	40115	75RB#0	VN	NT	25.12	0.009880	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	VL	NT	28.00	0.011013	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	VH	NT	27.65	0.010875	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	VN	NT	-33.67	-0.013000	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	VL	NT	-37.75	-0.014575	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	VH	NT	-38.60	-0.014903	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	VN	NT	22.97	0.008676	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	VL	NT	19.38	0.007320	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	VH	NT	20.54	0.007758	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	VN	NT	15.89	0.006250	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	VL	NT	12.93	0.005086	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	VH	NT	9.51	0.003740	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	VN	NT	-26.34	-0.010170	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	VL	NT	-20.57	-0.007942	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	VH	NT	-24.65	-0.009517	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	VN	NT	36.56	0.013809	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	VL	NT	-27.79	-0.010497	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	VH	NT	-39.25	-0.014825	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	VN	NT	-23.78	-0.009344	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	VL	NT	-26.85	-0.010550	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	VH	NT	-22.99	-0.009033	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	VN	NT	-26.31	-0.010158	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	VL	NT	-41.08	-0.015861	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	VH	NT	-39.90	-0.015405	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	VN	NT	-25.66	-0.009701	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	VL	NT	-29.98	-0.011335	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	VH	NT	-28.12	-0.010631	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	VN	NT	-40.25	-0.015815	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	VL	NT	-43.73	-0.017183	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	VH	NT	-45.75	-0.017976	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	VN	NT	-36.33	-0.014027	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	VL	NT	-25.96	-0.010023	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	VH	NT	-35.12	-0.013560	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	VN	NT	22.46	0.008491	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	VL	NT	27.09	0.010242	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	VH	NT	30.71	0.011611	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	-30	-44.19	-0.017415	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	-20	13.88	0.005470	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	-10	-59.17	-0.023318	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	0	-30.43	-0.011992	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	10	-27.95	-0.011015	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	20	-10.64	-0.004193	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	30	-38.37	-0.015121	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	40	-34.79	-0.013710	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40065	25RB#0	NV	50	35.82	0.014116	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	-30	-61.66	-0.023807	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	-20	-54.16	-0.020911	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	-10	-57.12	-0.022054	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	0	-58.11	-0.022436	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	10	57.61	0.022243	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	20	-62.27	-0.024042	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	30	-58.89	-0.022737	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	40	30.64	0.011830	±2.5	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	NV	50	-57.78	-0.022309	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	-30	-57.64	-0.021730	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	-20	-23.69	-0.008931	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	-10	-24.08	-0.009078	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	0	-47.19	-0.017791	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	10	-43.90	-0.016550	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	20	-59.51	-0.022435	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	30	-41.50	-0.015646	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	40	-30.38	-0.011453	±2.5	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	NV	50	-7.14	-0.002692	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	-30	-56.19	-0.022144	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	-20	-70.54	-0.027799	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	-10	96.95	0.038207	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	0	-32.82	-0.012934	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	10	91.44	0.036035	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	20	-91.88	-0.036209	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	30	85.62	0.033742	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	40	-39.93	-0.015736	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	NV	50	100.74	0.039700	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	-30	82.54	0.031869	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	-20	83.21	0.032127	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	-10	-53.63	-0.020707	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	0	23.92	0.009236	±2.5	PASS

41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	10	26.49	0.010228	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	20	86.70	0.033475	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	30	-69.89	-0.026985	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	40	-59.44	-0.022950	±2.5	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	NV	50	-58.61	-0.022629	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	-30	-45.60	-0.017191	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	-20	7.42	0.002797	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	-10	-9.57	-0.003608	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	0	-28.12	-0.010601	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	10	-31.27	-0.011789	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	20	35.79	0.013493	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	30	107.79	0.040637	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	40	117.10	0.044147	±2.5	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	NV	50	-45.80	-0.017267	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	-30	-76.05	-0.029941	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	-20	-74.64	-0.029386	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	-10	-74.43	-0.029303	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	0	-81.35	-0.032028	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	10	56.16	0.022110	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	20	-72.23	-0.028437	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	30	-80.27	-0.031602	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	40	-50.83	-0.020012	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	NV	50	-63.36	-0.024945	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	-30	-62.53	-0.024143	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	-20	-78.35	-0.030251	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	-10	60.54	0.023375	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	0	59.81	0.023093	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	10	55.93	0.021595	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	20	-59.97	-0.023154	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	30	63.29	0.024436	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	40	65.42	0.025259	±2.5	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	NV	50	63.97	0.024699	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	-30	65.33	0.024653	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	-20	73.06	0.027570	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	-10	71.45	0.026962	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	0	76.66	0.028928	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	10	74.67	0.028177	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	20	72.08	0.027200	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	30	79.14	0.029864	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	40	76.43	0.028842	±2.5	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	NV	50	-42.36	-0.015985	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	-30	-39.85	-0.015689	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	-20	-33.85	-0.013327	±2.5	PASS

41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	-10	-71.74	-0.028244	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	0	-37.92	-0.014929	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	10	53.56	0.021087	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	20	-76.43	-0.030091	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	30	76.20	0.030000	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	40	73.59	0.028972	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	NV	50	-54.82	-0.021583	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	-30	-25.01	-0.009656	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	-20	-19.57	-0.007556	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	-10	-63.92	-0.024680	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	0	-66.72	-0.025761	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	10	-67.72	-0.026147	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	20	-64.12	-0.024757	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	30	23.53	0.009085	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	40	-62.10	-0.023977	±2.5	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	NV	50	-20.69	-0.007988	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	-30	9.56	0.003608	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	-20	114.58	0.043238	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	-10	113.34	0.042770	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	0	38.80	0.014642	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	10	-37.48	-0.014143	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	20	-30.01	-0.011325	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	30	115.17	0.043460	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	40	114.18	0.043087	±2.5	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	NV	50	85.24	0.032166	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	-30	31.99	0.012582	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	-20	29.31	0.011528	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	-10	29.73	0.011693	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	0	34.55	0.013589	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	10	10.90	0.004287	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	20	22.34	0.008787	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	30	18.44	0.007253	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	40	9.81	0.003858	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	NV	50	12.62	0.004964	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	-30	-34.79	-0.013432	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	-20	-17.38	-0.006710	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	-10	-39.55	-0.015270	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	0	-29.27	-0.011301	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	10	-34.15	-0.013185	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	20	-21.93	-0.008467	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	30	-28.74	-0.011097	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	40	-24.15	-0.009324	±2.5	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	NV	50	-21.76	-0.008402	±2.5	PASS

41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	-30	19.27	0.007279	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	-20	27.05	0.010217	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	-10	31.71	0.011977	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	0	24.89	0.009401	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	10	31.44	0.011875	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	20	32.32	0.012208	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	30	33.26	0.012563	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	40	33.50	0.012653	±2.5	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	NV	50	36.62	0.013832	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	-30	13.23	0.005204	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	-20	22.83	0.008979	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	-10	13.96	0.005491	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	0	29.10	0.011445	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	10	23.13	0.009097	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	20	19.35	0.007611	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	30	23.17	0.009113	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	40	-11.30	-0.004444	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	NV	50	-27.79	-0.010930	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	-30	23.83	0.009201	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	-20	-22.02	-0.008502	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	-10	21.63	0.008351	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	0	25.43	0.009819	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	10	-21.46	-0.008286	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	20	-25.85	-0.009981	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	30	-23.06	-0.008903	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	40	12.26	0.004734	±2.5	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	NV	50	15.21	0.005873	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	-30	-21.50	-0.008121	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	-20	16.89	0.006380	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	-10	22.92	0.008657	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	0	21.63	0.008170	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	10	19.37	0.007316	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	20	21.09	0.007966	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	30	17.68	0.006678	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	40	-17.15	-0.006478	±2.5	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	NV	50	20.64	0.007796	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	-30	-22.04	-0.008660	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	-20	-22.46	-0.008825	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	-10	-30.16	-0.011851	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	0	-38.45	-0.015108	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	10	-31.87	-0.012523	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	20	-34.06	-0.013383	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	30	-34.10	-0.013399	±2.5	PASS

41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	40	-34.85	-0.013694	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	NV	50	-39.80	-0.015639	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	-30	-32.01	-0.012359	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	-20	-27.88	-0.010764	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	-10	-40.97	-0.015819	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	0	-34.16	-0.013189	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	10	-33.99	-0.013124	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	20	-31.51	-0.012166	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	30	-34.95	-0.013494	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	40	-35.96	-0.013884	±2.5	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	NV	50	-37.91	-0.014637	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	-30	-27.57	-0.010423	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	-20	-24.89	-0.009410	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	-10	-28.50	-0.010775	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	0	-19.81	-0.007490	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	10	25.21	0.009531	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	20	26.25	0.009924	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	30	22.02	0.008325	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	40	37.41	0.014144	±2.5	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	NV	50	26.95	0.010189	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	-30	-45.91	-0.018039	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	-20	-43.72	-0.017179	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	-10	-36.62	-0.014389	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	0	-51.24	-0.020134	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	10	-51.63	-0.020287	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	20	-53.22	-0.020912	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	30	23.53	0.009246	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	40	27.09	0.010644	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	NV	50	-30.68	-0.012055	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	-30	-28.41	-0.010969	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	-20	-21.49	-0.008297	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	-10	-29.05	-0.011216	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	0	-24.91	-0.009618	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	10	-25.01	-0.009656	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	20	-33.76	-0.013035	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	30	23.88	0.009220	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	40	-27.77	-0.010722	±2.5	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	NV	50	-34.16	-0.013189	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	-30	27.98	0.010578	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	-20	27.78	0.010503	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	-10	27.85	0.010529	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	0	28.07	0.010612	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	10	35.09	0.013267	±2.5	PASS

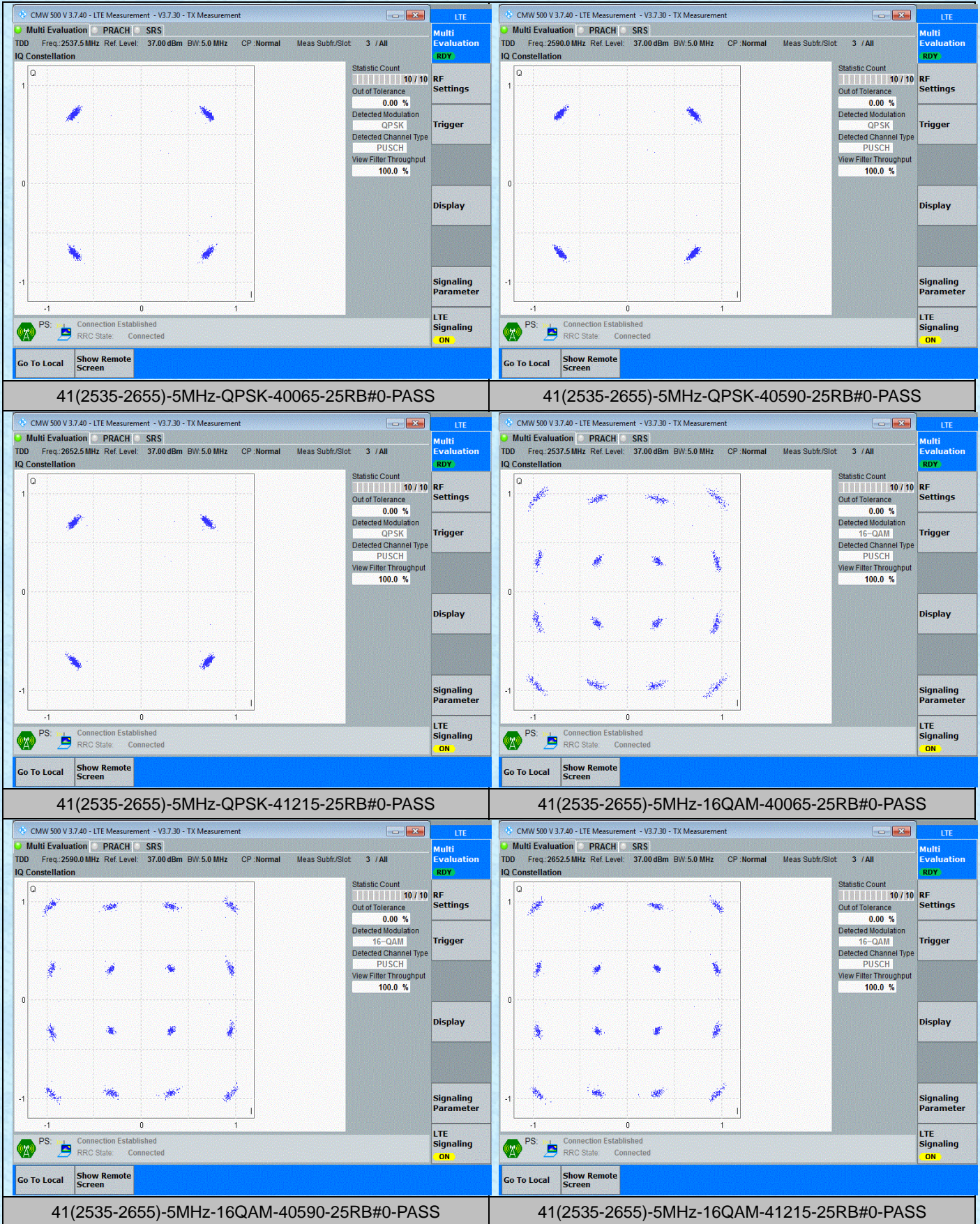
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	20	33.29	0.012586	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	30	37.25	0.014083	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	40	41.90	0.015841	±2.5	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	NV	50	40.76	0.015410	±2.5	PASS

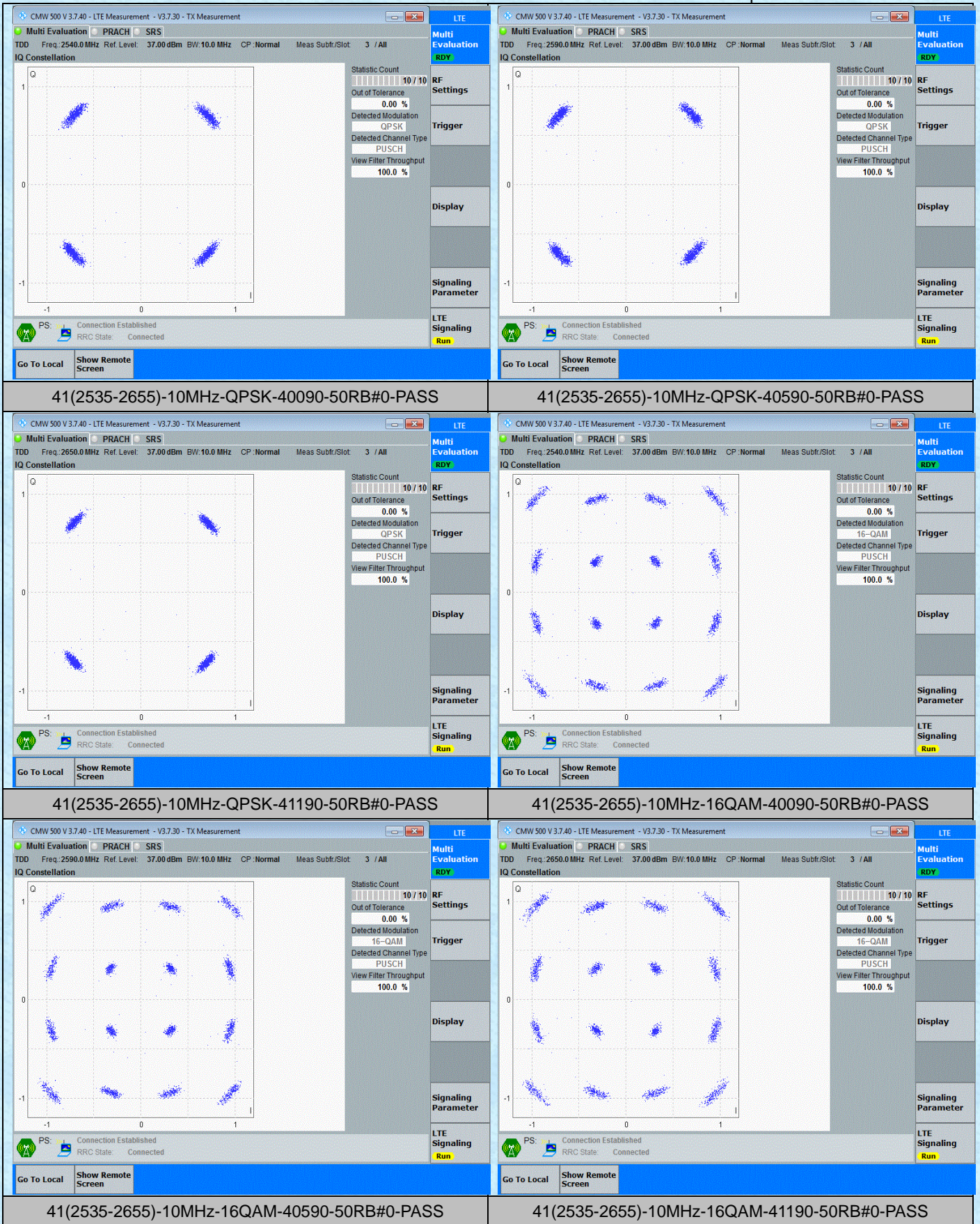
AppendixG:Modulation Characteristics

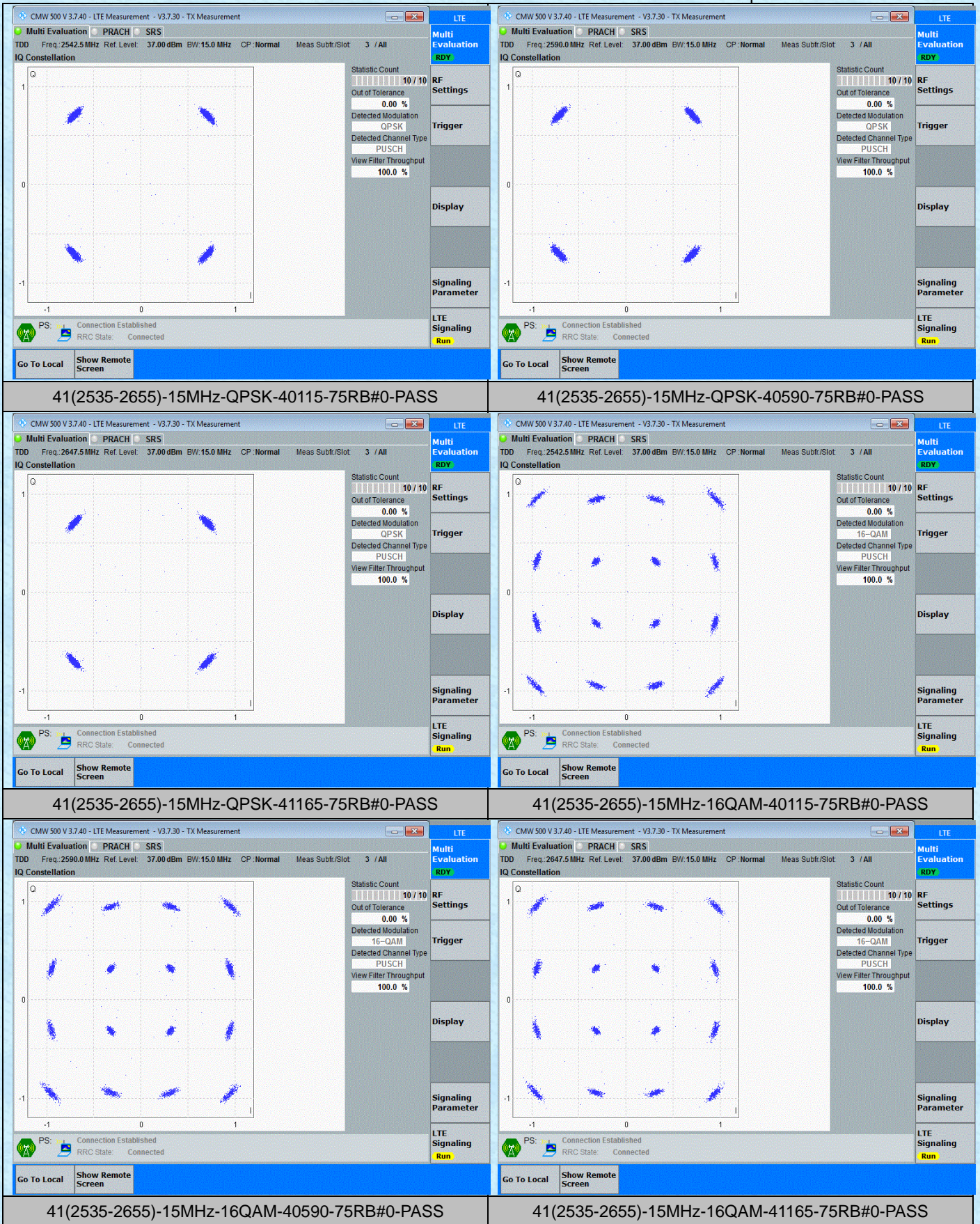
Test Result

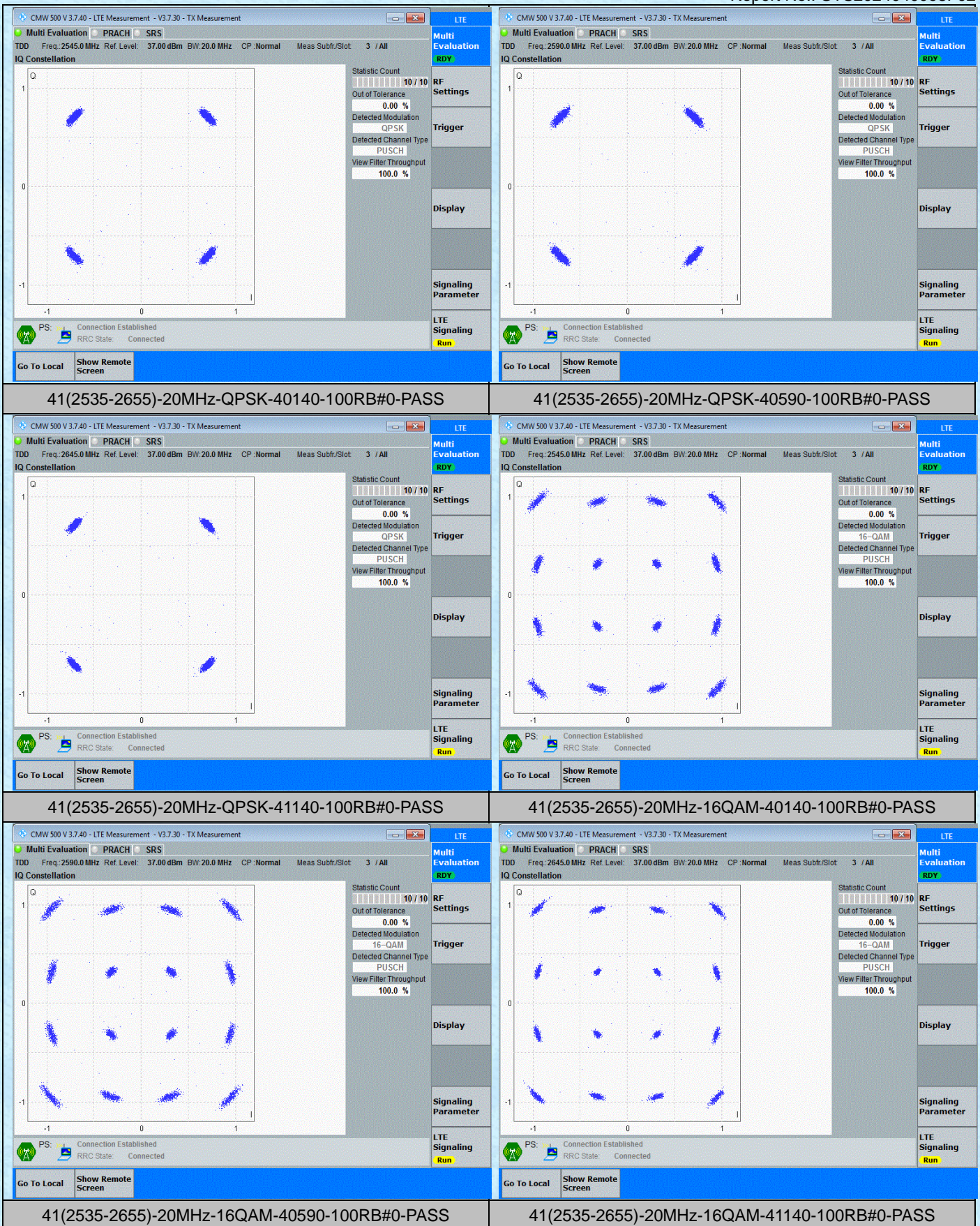
Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
41(2535-2655)	5MHz	QPSK	40065	25RB#0	PASS
41(2535-2655)	5MHz	QPSK	40590	25RB#0	PASS
41(2535-2655)	5MHz	QPSK	41215	25RB#0	PASS
41(2535-2655)	5MHz	16QAM	40065	25RB#0	PASS
41(2535-2655)	5MHz	16QAM	40590	25RB#0	PASS
41(2535-2655)	5MHz	16QAM	41215	25RB#0	PASS
41(2535-2655)	10MHz	QPSK	40090	50RB#0	PASS
41(2535-2655)	10MHz	QPSK	40590	50RB#0	PASS
41(2535-2655)	10MHz	QPSK	41190	50RB#0	PASS
41(2535-2655)	10MHz	16QAM	40090	50RB#0	PASS
41(2535-2655)	10MHz	16QAM	40590	50RB#0	PASS
41(2535-2655)	10MHz	16QAM	41190	50RB#0	PASS
41(2535-2655)	15MHz	QPSK	40115	75RB#0	PASS
41(2535-2655)	15MHz	QPSK	40590	75RB#0	PASS
41(2535-2655)	15MHz	QPSK	41165	75RB#0	PASS
41(2535-2655)	15MHz	16QAM	40115	75RB#0	PASS
41(2535-2655)	15MHz	16QAM	40590	75RB#0	PASS
41(2535-2655)	15MHz	16QAM	41165	75RB#0	PASS
41(2535-2655)	20MHz	QPSK	40140	100RB#0	PASS
41(2535-2655)	20MHz	QPSK	40590	100RB#0	PASS
41(2535-2655)	20MHz	QPSK	41140	100RB#0	PASS
41(2535-2655)	20MHz	16QAM	40140	100RB#0	PASS
41(2535-2655)	20MHz	16QAM	40590	100RB#0	PASS
41(2535-2655)	20MHz	16QAM	41140	100RB#0	PASS

Test Graphs









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