



Appendix G: Test Data for E-UTRA Band 7

Product Name: 4G Smart Phone

Test Model: L66F

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





G.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	24.21	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.06	PASS
Band7	5MHz	QPSK	20775	1RB#12	24.50	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.97	PASS
Band7	5MHz	QPSK	20775	1RB#24	24.15	PASS
Band7	5MHz	16QAM	20775	1RB#24	23.08	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.48	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.54	PASS
Band7	5MHz	QPSK	20775	12RB#6	23.45	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.55	PASS
Band7	5MHz	QPSK	20775	12RB#13	23.57	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.58	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.45	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.66	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.10	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.35	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.99	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.31	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.48	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.29	PASS
Band7	5MHz	QPSK	21100	12RB#0	23.19	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.31	PASS
Band7	5MHz	QPSK	21100	12RB#6	23.29	PASS
Band7	5MHz	16QAM	21100	12RB#6	22.43	PASS
Band7	5MHz	QPSK	21100	12RB#13	23.16	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.36	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.30	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.37	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.69	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.92	PASS
Band7	5MHz	QPSK	21425	1RB#12	24.62	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.89	PASS
Band7	5MHz	QPSK	21425	1RB#24	24.55	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.95	PASS
Band7	5MHz	QPSK	21425	12RB#0	23.63	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.67	PASS
Band7	5MHz	QPSK	21425	12RB#6	23.58	PASS



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Band7	5MHz	16QAM	21425	12RB#6	22.65	PASS
Band7	5MHz	QPSK	21425	12RB#13	23.56	PASS
Band7	5MHz	16QAM	21425	12RB#13	22.60	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.52	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.77	PASS
Band7	10MHz	QPSK	20800	1RB#0	24.23	PASS
Band7	10MHz	16QAM	20800	1RB#0	23.56	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.39	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.63	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.50	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.71	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.56	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.66	PASS
Band7	10MHz	QPSK	20800	25RB#12	23.54	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.66	PASS
Band7	10MHz	QPSK	20800	25RB#25	23.48	PASS
Band7	10MHz	16QAM	20800	25RB#25	22.74	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.43	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.63	PASS
Band7	10MHz	QPSK	21100	1RB#0	24.12	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.38	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.99	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.27	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.62	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.16	PASS
Band7	10MHz	QPSK	21100	25RB#0	23.26	PASS
Band7	10MHz	16QAM	21100	25RB#0	22.33	PASS
Band7	10MHz	QPSK	21100	25RB#12	23.28	PASS
Band7	10MHz	16QAM	21100	25RB#12	22.32	PASS
Band7	10MHz	QPSK	21100	25RB#25	23.12	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.26	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.29	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.31	PASS
Band7	10MHz	QPSK	21400	1RB#0	24.57	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.93	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.54	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.89	PASS
Band7	10MHz	QPSK	21400	1RB#49	24.47	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.90	PASS
Band7	10MHz	QPSK	21400	25RB#0	23.49	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.61	PASS
Band7	10MHz	QPSK	21400	25RB#12	23.43	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.72	PASS



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Band7	10MHz	QPSK	21400	25RB#25	23.48	PASS
Band7	10MHz	16QAM	21400	25RB#25	22.67	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.41	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.58	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.98	PASS
Band7	15MHz	16QAM	20825	1RB#0	23.42	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.27	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.61	PASS
Band7	15MHz	QPSK	20825	1RB#74	24.51	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.54	PASS
Band7	15MHz	QPSK	20825	38RB#0	23.65	PASS
Band7	15MHz	16QAM	20825	38RB#0	23.65	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.64	PASS
Band7	15MHz	16QAM	20825	38RB#18	23.63	PASS
Band7	15MHz	QPSK	20825	38RB#37	23.62	PASS
Band7	15MHz	16QAM	20825	38RB#37	23.61	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.60	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.70	PASS
Band7	15MHz	QPSK	21100	1RB#0	24.17	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.28	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.15	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.56	PASS
Band7	15MHz	16QAM	21100	1RB#74	23.12	PASS
Band7	15MHz	QPSK	21100	38RB#0	23.20	PASS
Band7	15MHz	16QAM	21100	38RB#0	23.17	PASS
Band7	15MHz	QPSK	21100	38RB#18	23.14	PASS
Band7	15MHz	16QAM	21100	38RB#18	23.12	PASS
Band7	15MHz	QPSK	21100	38RB#37	23.24	PASS
Band7	15MHz	16QAM	21100	38RB#37	23.21	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.20	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.38	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.87	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.42	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.23	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.43	PASS
Band7	15MHz	QPSK	21375	1RB#74	24.19	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.51	PASS
Band7	15MHz	QPSK	21375	38RB#0	23.43	PASS
Band7	15MHz	16QAM	21375	38RB#0	23.40	PASS
Band7	15MHz	QPSK	21375	38RB#18	23.38	PASS
Band7	15MHz	16QAM	21375	38RB#18	23.36	PASS
Band7	15MHz	QPSK	21375	38RB#37	23.45	PASS



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Band7	15MHz	16QAM	21375	38RB#37	23.42	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.41	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.63	PASS
Band7	20MHz	QPSK	20850	1RB#0	24.12	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.30	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.48	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.27	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.64	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.29	PASS
Band7	20MHz	QPSK	20850	50RB#0	23.62	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.77	PASS
Band7	20MHz	QPSK	20850	50RB#25	23.60	PASS
Band7	20MHz	16QAM	20850	50RB#25	22.76	PASS
Band7	20MHz	QPSK	20850	50RB#50	23.48	PASS
Band7	20MHz	16QAM	20850	50RB#50	22.82	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.49	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.56	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.56	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.17	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.27	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.04	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.78	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.99	PASS
Band7	20MHz	QPSK	21100	50RB#0	23.24	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.57	PASS
Band7	20MHz	QPSK	21100	50RB#25	23.23	PASS
Band7	20MHz	16QAM	21100	50RB#25	22.57	PASS
Band7	20MHz	QPSK	21100	50RB#50	23.14	PASS
Band7	20MHz	16QAM	21100	50RB#50	22.33	PASS
Band7	20MHz	QPSK	21100	100RB#0	23.23	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.30	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.67	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.14	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.38	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.27	PASS
Band7	20MHz	QPSK	21350	1RB#99	24.67	PASS
Band7	20MHz	16QAM	21350	1RB#99	23.41	PASS
Band7	20MHz	QPSK	21350	50RB#0	23.47	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.61	PASS
Band7	20MHz	QPSK	21350	50RB#25	23.41	PASS
Band7	20MHz	16QAM	21350	50RB#25	22.58	PASS
Band7	20MHz	QPSK	21350	50RB#50	23.63	PASS
Band7	20MHz	16QAM	21350	50RB#50	22.69	PASS



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Band7	20MHz	QPSK	21350	100RB#0	23.50	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.58	PASS





G.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	2.75	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	3.55	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.55	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.19	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	8.92	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	3.91	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.36	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.96	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.47	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.65	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.89	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.53	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	2.99	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	3.78	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.68	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.44	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	2.76	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	2.61	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	3.03	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.71	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.43	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.06	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.38	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.08	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.15	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.00	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.14	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.87	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.04	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.12	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.65	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.23	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.90	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.17	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.38	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.95	13	PASS



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Band7	20MHz	QPSK	20850	1RB#0	3.22	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	3.97	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.87	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.63	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.85	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.60	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.89	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.65	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	2.84	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	3.70	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.76	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.52	13	PASS



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Test Graphs



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G.3 26dB Bandwidth and Occupied Bandwidth

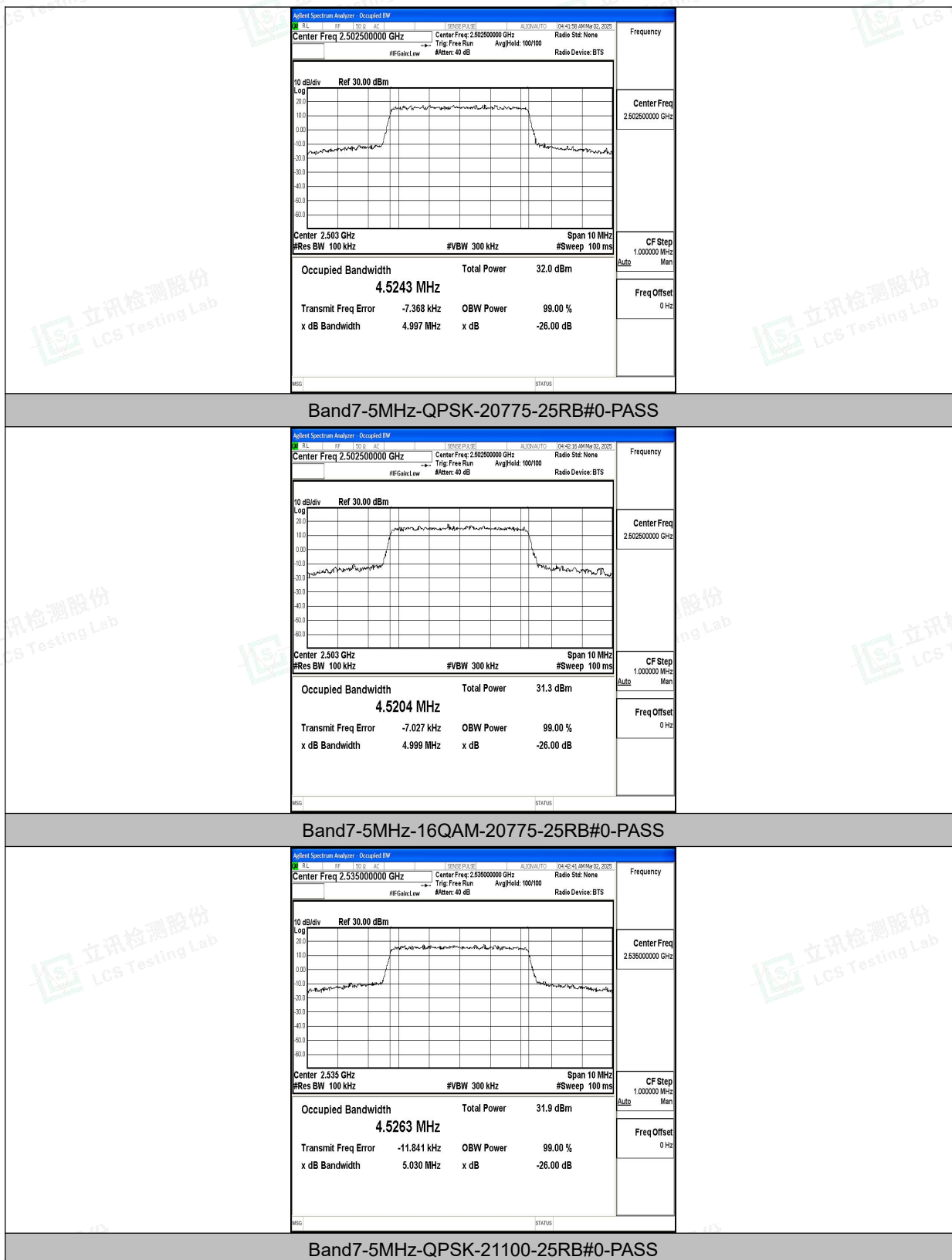
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5243	4.997	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5204	4.999	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5263	5.030	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5192	5.130	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4986	4.985	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5203	4.989	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0140	9.873	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0271	9.975	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0181	12.25	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0268	10.01	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0080	9.898	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9979	9.918	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.534	14.99	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.525	14.93	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.541	15.06	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.552	15.58	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.501	15.07	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.515	14.95	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.049	19.77	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.977	19.79	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.058	19.78	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.039	19.81	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.054	19.72	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.058	19.78	PASS





Test Graphs



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