

Test Data for E-UTRA Band 5

EUT: <u>Tablet PC</u> Test Model: <u>WO1</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, <u>101.325</u> kPa
Test Engineer: <u>Jack Zhou</u>

Contents

Appendix A: Effective (Isotropic) Radiated Power Output Data.....	3
Test Result.....	3
Appendix B: Peak-to-Average Ratio(CCDF).....	8
Test Result.....	8
Test Graphs	10
Appendix C: 26dB Bandwidth and Occupied Bandwidth	22
Test Result.....	22
Test Graphs	23
Appendix D: Band Edge	29
Test Result.....	29
Test Graphs	30
Appendix E: Conducted Spurious Emission.....	43
Test Result.....	43
Test Graphs	46
Appendix F: Frequency Stability.....	76
Test Result.....	76

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.66	21.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.46	19.96	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.67	21.17	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.55	20.05	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.61	21.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.45	19.95	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.72	21.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.54	20.04	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.72	21.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.48	19.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.72	21.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.47	19.97	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.79	20.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.75	19.25	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.64	21.14	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.31	19.81	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.66	21.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.38	19.88	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.62	21.12	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.38	19.88	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.64	21.14	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.46	19.96	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.66	21.16	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.46	19.96	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.64	21.14	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.45	19.95	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.65	20.15	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.56	19.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.82	21.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.56	20.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.87	21.37	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.67	20.17	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.90	21.40	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.63	20.13	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.89	21.39	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	21.68	20.18	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.89	21.39	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.73	20.23	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.88	21.38	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.67	20.17	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.96	20.46	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.78	19.28	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.51	21.01	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.44	19.94	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.57	21.07	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.46	19.96	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.43	20.93	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.43	19.93	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.64	20.14	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.64	19.14	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.68	20.18	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.67	19.17	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.64	20.14	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.62	19.12	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.60	20.10	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.64	19.14	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.45	20.95	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.22	19.72	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.58	21.08	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.30	19.80	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.51	21.01	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.18	19.68	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.55	20.05	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.57	19.07	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.53	20.03	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.56	19.06	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.55	20.05	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.57	19.07	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.55	20.05	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.52	19.02	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.58	21.08	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.31	19.81	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.74	21.24	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.47	19.97	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.64	21.14	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.37	19.87	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.79	20.29	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.74	19.24	PASS

Band5	3MHz	QPSK	20635	8RB#4	21.76	20.26	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.75	19.25	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.84	20.34	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.82	19.32	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.75	20.25	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.70	19.20	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.79	21.29	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.79	20.29	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.86	21.36	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.83	20.33	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.71	21.21	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.71	20.21	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.79	20.29	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.79	19.29	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.80	20.30	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.84	19.34	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.76	20.26	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.81	19.31	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.75	20.25	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.77	19.27	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.72	21.22	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.54	20.04	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.82	21.32	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.63	20.13	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.72	21.22	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.63	20.13	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.70	20.20	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.66	19.16	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.73	20.23	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.71	19.21	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.65	20.15	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.66	19.16	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.69	20.19	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.73	19.23	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.86	21.36	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.73	20.23	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.01	21.51	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.91	20.41	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.00	21.50	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.89	20.39	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.81	20.31	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.75	19.25	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.79	20.29	PASS

Band5	5MHz	16QAM	20625	12RB#6	20.73	19.23	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.89	20.39	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.87	19.37	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.88	20.38	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.88	19.38	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.87	21.37	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.60	20.10	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.82	21.32	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.64	20.14	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.70	21.20	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.45	19.95	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.74	20.24	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.73	19.23	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.74	20.24	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.72	19.22	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.74	20.24	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.78	19.28	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.75	20.25	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.76	19.26	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.71	21.21	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.44	19.94	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.74	21.24	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.51	20.01	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.76	21.26	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.50	20.00	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.64	20.14	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.70	19.20	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.63	20.13	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.66	19.16	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.61	20.11	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.64	19.14	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.60	20.10	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.67	19.17	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.74	21.24	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.68	20.18	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.84	21.34	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.87	20.37	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.93	21.43	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.96	20.46	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.74	20.24	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.72	19.22	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.77	20.27	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.68	19.18	PASS

Band5	10MHz	QPSK	20600	25RB#25	21.90	20.40	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.91	19.41	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.88	20.38	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.82	19.32	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.59	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.01	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.84	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.71	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.05	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.32	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.18	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.33	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.19	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.59	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.49	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.38	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.21	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.03	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.49	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.36	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.17	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.98	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.49	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.64	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.99	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.63	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.29	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	6.35	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	7.10	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.48	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.08	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.77	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.42	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.35	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.05	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	4.50	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.38	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.46	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.58	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.40	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.16	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.48	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.37	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.37	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.12	13	PASS

Test Graphs























