



Appendix B: Test Data for E-UTRA Band 41

Product Name: Pet GPS Tracker & Health Monitor

Test Model: C08

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





B.1 Conducted Output Power Data Test Result

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.09	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.91	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.06	PASS
Band41	5MHz	16QAM	39675	1RB#12	20.91	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.08	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.91	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.29	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.58	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.26	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.58	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.36	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.55	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.33	PASS
Band41	5MHz	16QAM	39675	25RB#0	19.62	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.41	PASS
Band41	5MHz	16QAM	40620	1RB#0	20.72	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.34	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.09	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.46	PASS
Band41	5MHz	16QAM	40620	1RB#24	20.98	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.43	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.75	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.43	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.76	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.58	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.76	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.57	PASS
Band41	5MHz	16QAM	40620	25RB#0	19.81	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.45	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.12	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.42	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.04	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.41	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.91	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.54	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.82	PASS



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Band41	5MHz	QPSK	41565	12RB#6	20.55	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.83	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.61	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.71	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.54	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.83	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.44	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.83	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.44	PASS
Band41	10MHz	16QAM	39700	1RB#24	20.80	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.63	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.57	PASS
Band41	10MHz	16QAM	39700	25RB#0	19.93	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.57	PASS
Band41	10MHz	16QAM	39700	25RB#12	19.93	PASS
Band41	10MHz	QPSK	39700	25RB#25	20.70	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.03	PASS
Band41	10MHz	QPSK	39700	50RB#0	20.58	PASS
Band41	10MHz	16QAM	39700	50RB#0	19.99	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.64	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.30	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.73	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.35	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.79	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.48	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.64	PASS
Band41	10MHz	16QAM	40620	25RB#0	19.81	PASS
Band41	10MHz	QPSK	40620	25RB#12	20.64	PASS
Band41	10MHz	16QAM	40620	25RB#12	19.82	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.68	PASS
Band41	10MHz	16QAM	40620	25RB#25	19.91	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.78	PASS
Band41	10MHz	16QAM	40620	50RB#0	19.90	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.81	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.47	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.76	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.43	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.73	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.40	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.71	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.96	PASS



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Band41	10MHz	QPSK	41540	25RB#12	20.72	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.93	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.72	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.90	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.72	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.01	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.88	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.47	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.05	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.70	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.37	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.08	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.10	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.09	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.09	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.09	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.08	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.08	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.08	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.40	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.71	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.33	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.72	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.35	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.91	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.39	PASS
Band41	15MHz	QPSK	40620	38RB#0	20.68	PASS
Band41	15MHz	16QAM	40620	38RB#0	20.69	PASS
Band41	15MHz	QPSK	40620	38RB#18	20.69	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.69	PASS
Band41	15MHz	QPSK	40620	38RB#37	20.69	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.69	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.69	PASS
Band41	15MHz	16QAM	40620	75RB#0	19.96	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.83	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.47	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.79	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.41	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.69	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.38	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.75	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.75	PASS



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Band41	15MHz	QPSK	41515	38RB#18	20.75	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.77	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.77	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.76	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.77	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.06	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.53	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.02	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.76	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.18	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.14	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.66	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.98	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.37	PASS
Band41	20MHz	QPSK	39750	50RB#25	20.97	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.37	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.36	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.89	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.13	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.48	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.33	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.10	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.36	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.18	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.66	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.64	PASS
Band41	20MHz	QPSK	40620	50RB#0	20.44	PASS
Band41	20MHz	16QAM	40620	50RB#0	19.79	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.45	PASS
Band41	20MHz	16QAM	40620	50RB#25	19.84	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.64	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.50	PASS
Band41	20MHz	16QAM	40620	100RB#0	19.80	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.51	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.47	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.61	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.46	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.44	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.44	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.82	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.11	PASS



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Band41	20MHz	QPSK	41490	50RB#25	20.64	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.06	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.68	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.12	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.76	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.96	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.18	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.36	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.07	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.52	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.61	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.08	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.14	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.60	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.27	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.53	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.04	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.72	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.91	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.68	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.79	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.52	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.71	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.04	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.00	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.69	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.18	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.53	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.96	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.54	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.00	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.42	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.26	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.99	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.49	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.97	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.51	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.65	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.18	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.69	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.29	13	PASS



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Band41	15MHz	16QAM	41515	75RB#0	10.01	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.76	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.50	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.85	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.33	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.42	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.96	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.82	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.50	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.02	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.40	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.02	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.75	13	PASS





Test Graphs



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B.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5047	5.282	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5279	5.324	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4963	5.219	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5071	5.451	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4943	5.273	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4983	5.266	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9939	10.02	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9872	10.07	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.0006	10.13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0058	9.851	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0183	9.997	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0157	10.88	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.472	16.25	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.514	15.35	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.558	15.64	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.473	15.52	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.538	16.12	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.522	15.48	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.065	21.04	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.967	20.30	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.026	20.78	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.984	20.75	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.984	19.90	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.986	20.06	PASS



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