

Appendix C: Test Data for E-UTRA Band 4

Product Name: SCOUT 4G iRF cat1
Test Model: SCOUT 4G iRF cat1

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	zhao xing hai
Supervised by:	Fengliu Tang

C.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.39	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	25.02	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.34	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.75	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.86	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.70	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.81	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.55	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	24.28	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.59	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	23.74	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	24.17	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.70	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.96	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.80	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.52	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.81	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.52	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.39	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.12	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	24.02	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.99	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	23.31	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.58	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.28	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.41	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.78	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.44	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.86	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.25	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.41	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.18	PASS

Band4	1.4MHz	QPSK	20393	6RB#0	23.30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.04	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.76	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.13	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.26	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.60	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.16	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.46	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.37	PASS
Band4	3MHz	QPSK	19965	1RB#8	25.10	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.69	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.95	PASS
Band4	3MHz	QPSK	19965	8RB#4	24.18	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.85	PASS
Band4	3MHz	QPSK	19965	15RB#0	23.86	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.60	PASS
Band4	3MHz	16QAM	19965	1RB#8	24.67	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.90	PASS
Band4	3MHz	16QAM	19965	8RB#0	23.06	PASS
Band4	3MHz	16QAM	19965	8RB#4	23.24	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.93	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.88	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.84	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.70	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.31	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.47	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.72	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.49	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.46	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.07	PASS
Band4	3MHz	16QAM	20175	1RB#8	24.08	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.55	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.62	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.87	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.57	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.56	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.52	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.74	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.89	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.50	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.74	PASS

Band4	3MHz	QPSK	20385	8RB#7	23.44	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.46	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.77	PASS
Band4	3MHz	16QAM	20385	1RB#8	24.20	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.09	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.60	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.78	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.49	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.46	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.54	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.65	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.72	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.99	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.92	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.71	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.82	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.79	PASS
Band4	5MHz	16QAM	19975	1RB#12	24.12	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	23.15	PASS
Band4	5MHz	16QAM	19975	12RB#6	23.13	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.87	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.94	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.92	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.20	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.45	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.46	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.46	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.43	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.45	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.02	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.62	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.51	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.53	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.59	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.50	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.53	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.81	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.07	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.65	PASS

Band4	5MHz	QPSK	20375	12RB#6	23.59	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.46	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.55	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.06	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.73	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.37	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.80	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.78	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.60	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.65	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.44	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.83	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.79	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.55	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.47	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.86	PASS
Band4	10MHz	QPSK	20000	50RB#0	24.01	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.64	PASS
Band4	10MHz	16QAM	20000	1RB#24	24.31	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.97	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.66	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.58	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.94	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.82	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.39	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.25	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.05	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.08	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.45	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.60	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.06	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.81	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.55	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.11	PASS
Band4	10MHz	16QAM	20175	25RB#12	22.14	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.51	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.65	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.41	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.91	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.60	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.51	PASS

Band4	10MHz	QPSK	20350	25RB#25	23.70	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.57	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.90	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.86	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.12	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.68	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.61	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.79	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.93	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.82	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.22	PASS
Band4	15MHz	QPSK	20025	36RB#0	23.38	PASS
Band4	15MHz	QPSK	20025	36RB#18	23.45	PASS
Band4	15MHz	QPSK	20025	36RB#39	23.90	PASS
Band4	15MHz	QPSK	20025	75RB#0	24.04	PASS
Band4	15MHz	16QAM	20025	1RB#0	24.26	PASS
Band4	15MHz	16QAM	20025	1RB#38	24.17	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.60	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.94	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.17	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.80	PASS
Band4	15MHz	QPSK	20175	36RB#0	23.51	PASS
Band4	15MHz	QPSK	20175	36RB#18	23.57	PASS
Band4	15MHz	QPSK	20175	36RB#39	23.37	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.43	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.17	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.69	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.05	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.19	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.10	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.96	PASS
Band4	15MHz	QPSK	20325	36RB#0	23.57	PASS
Band4	15MHz	QPSK	20325	36RB#18	23.46	PASS
Band4	15MHz	QPSK	20325	36RB#39	23.88	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.26	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.53	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.47	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.35	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.63	PASS
Band4	20MHz	QPSK	20050	1RB#49	25.20	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.18	PASS

Band4	20MHz	QPSK	20050	50RB#0	24.02	PASS
Band4	20MHz	QPSK	20050	50RB#25	24.19	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.87	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.95	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.92	PASS
Band4	20MHz	16QAM	20050	1RB#49	24.58	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.59	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.24	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.52	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.59	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.49	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.61	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.32	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.40	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.83	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.67	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.93	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.39	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.22	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.42	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.30	PASS
Band4	20MHz	QPSK	20300	50RB#50	24.19	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.17	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.15	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.74	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.47	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.91	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.20	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.50	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.94	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	5.02	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.28	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.60	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.02	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.91	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.21	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.51	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.95	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	5.07	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.27	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.85	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.04	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	5.26	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.35	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	6.06	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.12	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	5.20	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.28	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	6.07	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.07	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	5.22	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.42	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.67	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.08	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.48	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.51	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.86	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.17	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	5.32	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.43	13	PASS

Band4	5MHz	16QAM	20375	1RB#0	5.75	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.08	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	5.06	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.42	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.84	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	5.18	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.47	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	6.03	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	5.08	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.38	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.90	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.80	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.69	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.58	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.13	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.80	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.92	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	5.00	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.72	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.87	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.89	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.30	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.40	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.77	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	5.47	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.61	13	PASS

Test Graphs













































