

Appendix F: Test Data for E-UTRA Band 66

Product Name: ASSET 4G- SF iRF

Test Model: ASSET 4G- SF iRF

Environmental Conditions

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

F.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	24.40	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	24.33	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	24.27	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	24.35	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	24.29	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	24.24	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	23.71	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	23.51	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	23.33	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	23.41	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	23.16	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	23.28	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	23.64	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	22.67	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.58	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.42	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.55	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.56	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.52	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.43	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.67	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.74	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.72	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.72	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.52	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.65	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.42	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.48	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	25.06	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	25.01	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	24.96	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	24.90	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	24.89	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	24.93	PASS

Band66	1.4MHz	QPSK	132665	6RB#0	23.98	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	24.12	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	24.05	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	24.17	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	23.84	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	24.09	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	23.89	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	23.01	PASS
Band66	3MHz	QPSK	131987	1RB#0	24.54	PASS
Band66	3MHz	QPSK	131987	1RB#8	24.54	PASS
Band66	3MHz	QPSK	131987	1RB#14	24.50	PASS
Band66	3MHz	QPSK	131987	8RB#0	23.65	PASS
Band66	3MHz	QPSK	131987	8RB#4	23.70	PASS
Band66	3MHz	QPSK	131987	8RB#7	23.67	PASS
Band66	3MHz	QPSK	131987	15RB#0	23.52	PASS
Band66	3MHz	16QAM	131987	1RB#0	23.55	PASS
Band66	3MHz	16QAM	131987	1RB#8	24.10	PASS
Band66	3MHz	16QAM	131987	1RB#14	23.54	PASS
Band66	3MHz	16QAM	131987	8RB#0	22.61	PASS
Band66	3MHz	16QAM	131987	8RB#4	22.48	PASS
Band66	3MHz	16QAM	131987	8RB#7	22.52	PASS
Band66	3MHz	16QAM	131987	15RB#0	22.62	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.53	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.46	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.25	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.60	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.60	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.52	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.58	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.82	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.86	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.57	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.64	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.52	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.55	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.51	PASS
Band66	3MHz	QPSK	132657	1RB#0	24.79	PASS
Band66	3MHz	QPSK	132657	1RB#8	24.87	PASS
Band66	3MHz	QPSK	132657	1RB#14	24.86	PASS
Band66	3MHz	QPSK	132657	8RB#0	23.94	PASS
Band66	3MHz	QPSK	132657	8RB#4	23.99	PASS

Band66	3MHz	QPSK	132657	8RB#7	23.96	PASS
Band66	3MHz	QPSK	132657	15RB#0	23.90	PASS
Band66	3MHz	16QAM	132657	1RB#0	24.10	PASS
Band66	3MHz	16QAM	132657	1RB#8	24.20	PASS
Band66	3MHz	16QAM	132657	1RB#14	24.11	PASS
Band66	3MHz	16QAM	132657	8RB#0	23.08	PASS
Band66	3MHz	16QAM	132657	8RB#4	23.02	PASS
Band66	3MHz	16QAM	132657	8RB#7	23.10	PASS
Band66	3MHz	16QAM	132657	15RB#0	22.95	PASS
Band66	5MHz	QPSK	131997	1RB#0	24.83	PASS
Band66	5MHz	QPSK	131997	1RB#12	24.61	PASS
Band66	5MHz	QPSK	131997	1RB#24	24.70	PASS
Band66	5MHz	QPSK	131997	12RB#0	23.67	PASS
Band66	5MHz	QPSK	131997	12RB#6	23.64	PASS
Band66	5MHz	QPSK	131997	12RB#13	23.67	PASS
Band66	5MHz	QPSK	131997	25RB#0	23.67	PASS
Band66	5MHz	16QAM	131997	1RB#0	24.01	PASS
Band66	5MHz	16QAM	131997	1RB#12	23.90	PASS
Band66	5MHz	16QAM	131997	1RB#24	23.88	PASS
Band66	5MHz	16QAM	131997	12RB#0	22.76	PASS
Band66	5MHz	16QAM	131997	12RB#6	22.72	PASS
Band66	5MHz	16QAM	131997	12RB#13	22.77	PASS
Band66	5MHz	16QAM	131997	25RB#0	22.66	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.79	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.55	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.58	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.81	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.75	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.68	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.75	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.74	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.84	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.60	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.86	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.71	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.75	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.71	PASS
Band66	5MHz	QPSK	132647	1RB#0	24.92	PASS
Band66	5MHz	QPSK	132647	1RB#12	24.80	PASS
Band66	5MHz	QPSK	132647	1RB#24	24.87	PASS
Band66	5MHz	QPSK	132647	12RB#0	23.88	PASS

Band66	5MHz	QPSK	132647	12RB#6	23.86	PASS
Band66	5MHz	QPSK	132647	12RB#13	23.87	PASS
Band66	5MHz	QPSK	132647	25RB#0	23.85	PASS
Band66	5MHz	16QAM	132647	1RB#0	23.69	PASS
Band66	5MHz	16QAM	132647	1RB#12	23.92	PASS
Band66	5MHz	16QAM	132647	1RB#24	23.93	PASS
Band66	5MHz	16QAM	132647	12RB#0	22.97	PASS
Band66	5MHz	16QAM	132647	12RB#6	22.86	PASS
Band66	5MHz	16QAM	132647	12RB#13	22.95	PASS
Band66	5MHz	16QAM	132647	25RB#0	22.83	PASS
Band66	10MHz	QPSK	132022	1RB#0	24.60	PASS
Band66	10MHz	QPSK	132022	1RB#24	24.42	PASS
Band66	10MHz	QPSK	132022	1RB#49	24.54	PASS
Band66	10MHz	QPSK	132022	25RB#0	23.47	PASS
Band66	10MHz	QPSK	132022	25RB#12	23.43	PASS
Band66	10MHz	QPSK	132022	25RB#25	23.42	PASS
Band66	10MHz	QPSK	132022	50RB#0	23.51	PASS
Band66	10MHz	16QAM	132022	1RB#0	23.62	PASS
Band66	10MHz	16QAM	132022	1RB#24	23.86	PASS
Band66	10MHz	16QAM	132022	1RB#49	23.59	PASS
Band66	10MHz	16QAM	132022	25RB#0	22.42	PASS
Band66	10MHz	16QAM	132022	25RB#12	22.41	PASS
Band66	10MHz	16QAM	132022	25RB#25	22.35	PASS
Band66	10MHz	QPSK	132322	1RB#0	24.02	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.64	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.47	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.88	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.75	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.67	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.90	PASS
Band66	10MHz	16QAM	132322	1RB#0	23.31	PASS
Band66	10MHz	16QAM	132322	1RB#24	23.05	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.79	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.93	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.74	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.73	PASS
Band66	10MHz	QPSK	132622	1RB#0	25.26	PASS
Band66	10MHz	QPSK	132622	1RB#24	25.05	PASS
Band66	10MHz	QPSK	132622	1RB#49	24.98	PASS
Band66	10MHz	QPSK	132622	25RB#0	23.95	PASS
Band66	10MHz	QPSK	132622	25RB#12	23.93	PASS

Band66	10MHz	QPSK	132622	25RB#25	23.88	PASS
Band66	10MHz	QPSK	132622	50RB#0	23.74	PASS
Band66	10MHz	16QAM	132622	1RB#0	24.21	PASS
Band66	10MHz	16QAM	132622	1RB#24	24.13	PASS
Band66	10MHz	16QAM	132622	1RB#49	24.07	PASS
Band66	10MHz	16QAM	132622	25RB#0	22.98	PASS
Band66	10MHz	16QAM	132622	25RB#12	22.89	PASS
Band66	10MHz	16QAM	132622	25RB#25	22.91	PASS
Band66	15MHz	QPSK	132047	1RB#0	24.37	PASS
Band66	15MHz	QPSK	132047	1RB#38	24.37	PASS
Band66	15MHz	QPSK	132047	1RB#74	24.61	PASS
Band66	15MHz	QPSK	132047	38RB#0	23.53	PASS
Band66	15MHz	QPSK	132047	38RB#18	23.49	PASS
Band66	15MHz	QPSK	132047	38RB#37	23.50	PASS
Band66	15MHz	QPSK	132047	75RB#0	23.41	PASS
Band66	15MHz	16QAM	132047	1RB#0	23.80	PASS
Band66	15MHz	16QAM	132047	1RB#38	23.73	PASS
Band66	15MHz	16QAM	132047	1RB#74	23.80	PASS
Band66	15MHz	QPSK	132322	1RB#0	24.42	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.92	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.85	PASS
Band66	15MHz	QPSK	132322	38RB#0	23.16	PASS
Band66	15MHz	QPSK	132322	38RB#18	22.92	PASS
Band66	15MHz	QPSK	132322	38RB#37	22.91	PASS
Band66	15MHz	QPSK	132322	75RB#0	23.05	PASS
Band66	15MHz	16QAM	132322	1RB#0	23.37	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.94	PASS
Band66	15MHz	16QAM	132322	1RB#74	23.01	PASS
Band66	15MHz	QPSK	132597	1RB#0	25.32	PASS
Band66	15MHz	QPSK	132597	1RB#38	24.93	PASS
Band66	15MHz	QPSK	132597	1RB#74	24.85	PASS
Band66	15MHz	QPSK	132597	38RB#0	24.10	PASS
Band66	15MHz	QPSK	132597	38RB#18	23.91	PASS
Band66	15MHz	QPSK	132597	38RB#37	23.82	PASS
Band66	15MHz	QPSK	132597	75RB#0	23.98	PASS
Band66	15MHz	16QAM	132597	1RB#0	24.54	PASS
Band66	15MHz	16QAM	132597	1RB#38	24.15	PASS
Band66	15MHz	16QAM	132597	1RB#74	24.01	PASS
Band66	20MHz	QPSK	132072	1RB#0	24.40	PASS
Band66	20MHz	QPSK	132072	1RB#49	24.27	PASS
Band66	20MHz	QPSK	132072	1RB#99	24.76	PASS

Band66	20MHz	QPSK	132072	50RB#0	23.55	PASS
Band66	20MHz	QPSK	132072	50RB#25	23.64	PASS
Band66	20MHz	QPSK	132072	50RB#50	23.72	PASS
Band66	20MHz	QPSK	132072	100RB#0	23.68	PASS
Band66	20MHz	16QAM	132072	1RB#0	23.74	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.87	PASS
Band66	20MHz	16QAM	132072	1RB#99	24.20	PASS
Band66	20MHz	QPSK	132322	1RB#0	24.31	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.88	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.95	PASS
Band66	20MHz	QPSK	132322	50RB#0	23.22	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.90	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.81	PASS
Band66	20MHz	QPSK	132322	100RB#0	23.05	PASS
Band66	20MHz	16QAM	132322	1RB#0	23.45	PASS
Band66	20MHz	16QAM	132322	1RB#49	23.02	PASS
Band66	20MHz	16QAM	132322	1RB#99	23.05	PASS
Band66	20MHz	QPSK	132572	1RB#0	25.10	PASS
Band66	20MHz	QPSK	132572	1RB#49	25.10	PASS
Band66	20MHz	QPSK	132572	1RB#99	24.98	PASS
Band66	20MHz	QPSK	132572	50RB#0	24.08	PASS
Band66	20MHz	QPSK	132572	50RB#25	23.94	PASS
Band66	20MHz	QPSK	132572	50RB#50	23.77	PASS
Band66	20MHz	QPSK	132572	100RB#0	23.99	PASS
Band66	20MHz	16QAM	132572	1RB#0	23.91	PASS
Band66	20MHz	16QAM	132572	1RB#49	23.94	PASS
Band66	20MHz	16QAM	132572	1RB#99	23.82	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	4.81	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	5.30	13	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	5.61	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	5.97	13	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	5.12	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.37	13	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	5.82	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	6.22	13	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	4.55	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.06	13	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	5.33	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	5.69	13	PASS
Band66	3MHz	QPSK	131987	1RB#0	4.81	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.42	13	PASS
Band66	3MHz	16QAM	131987	1RB#0	5.85	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.12	13	PASS
Band66	3MHz	QPSK	132322	1RB#0	5.11	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.48	13	PASS
Band66	3MHz	16QAM	132322	1RB#0	6.13	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.19	13	PASS
Band66	3MHz	QPSK	132657	1RB#0	4.61	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.28	13	PASS
Band66	3MHz	16QAM	132657	1RB#0	5.61	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.96	13	PASS
Band66	5MHz	QPSK	131997	1RB#0	4.64	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.49	13	PASS
Band66	5MHz	16QAM	131997	1RB#0	5.61	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.08	13	PASS
Band66	5MHz	QPSK	132322	1RB#0	4.97	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.57	13	PASS
Band66	5MHz	16QAM	132322	1RB#0	5.91	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.13	13	PASS
Band66	5MHz	QPSK	132647	1RB#0	4.54	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.38	13	PASS

Band66	5MHz	16QAM	132647	1RB#0	5.47	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.96	13	PASS
Band66	10MHz	QPSK	132022	1RB#0	4.74	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.51	13	PASS
Band66	10MHz	16QAM	132022	1RB#0	5.81	13	PASS
Band66	10MHz	QPSK	132322	1RB#0	5.02	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.53	13	PASS
Band66	10MHz	16QAM	132322	1RB#0	6.02	13	PASS
Band66	10MHz	QPSK	132622	1RB#0	4.30	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.39	13	PASS
Band66	10MHz	16QAM	132622	1RB#0	5.36	13	PASS
Band66	15MHz	QPSK	132047	1RB#0	4.87	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.81	13	PASS
Band66	15MHz	16QAM	132047	1RB#0	5.73	13	PASS
Band66	15MHz	QPSK	132322	1RB#0	4.96	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.83	13	PASS
Band66	15MHz	16QAM	132322	1RB#0	5.98	13	PASS
Band66	15MHz	QPSK	132597	1RB#0	4.12	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.65	13	PASS
Band66	15MHz	16QAM	132597	1RB#0	5.22	13	PASS
Band66	20MHz	QPSK	132072	1RB#0	4.93	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.54	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	5.01	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.55	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	4.43	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.30	13	PASS

Test Graphs













































