

Appendix for LTE Band 2

Product Name: EcoFlow 4G Dongle SEP
Model No: EF-WM-001

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.66	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.39	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.38	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.41	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.41	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.45	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.54	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.47	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.19	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.43	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.31	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.44	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.36	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.48	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.76	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.90	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.95	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.84	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.94	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.12	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.04	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.70	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.56	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.90	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.81	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.83	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.98	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.07	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.83	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.71	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.64	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.93	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.84	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.78	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.59	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.67	PASS

Band2	1.4MHz	16QAM	19193	1RB#2	21.84	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.41	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.45	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.55	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.41	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.37	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.65	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.57	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.71	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.70	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.86	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.65	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.51	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.65	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.89	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.79	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.52	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.74	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.58	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.63	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.93	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.92	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.97	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.64	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.24	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.81	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.93	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.90	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.99	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.14	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.12	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.60	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.94	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.89	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.68	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.80	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.80	PASS

Band2	3MHz	16QAM	19185	1RB#8	21.61	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.37	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.78	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.59	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.56	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.59	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.35	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.81	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.74	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.77	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.92	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.85	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.03	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.65	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.51	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.85	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.96	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.83	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.83	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.45	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.15	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.83	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.83	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.03	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.98	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.95	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.80	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.27	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.93	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.93	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.06	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.08	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.91	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.98	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.30	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.63	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.91	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.12	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.90	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.89	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.27	PASS

Band2	5MHz	16QAM	19175	1RB#12	21.80	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.16	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.78	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.89	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.77	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.65	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.44	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.30	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.02	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.07	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.25	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.26	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.09	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.71	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.22	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.14	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.15	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.27	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.37	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.59	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.90	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.71	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.53	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.80	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.78	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.47	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.12	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.50	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.63	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.89	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.96	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.14	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.60	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.45	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.29	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.73	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.22	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.86	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.03	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.70	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.66	PASS

Band2	10MHz	16QAM	19150	25RB#0	20.44	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.85	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.24	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.66	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.22	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.99	PASS
Band2	15MHz	QPSK	18675	38RB#0	22.14	PASS
Band2	15MHz	QPSK	18675	38RB#18	22.23	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.45	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.39	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.91	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.24	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.31	PASS
Band2	15MHz	16QAM	18675	38RB#0	22.12	PASS
Band2	15MHz	16QAM	18675	38RB#37	22.42	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.09	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.09	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.41	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.86	PASS
Band2	15MHz	QPSK	18900	38RB#18	21.92	PASS
Band2	15MHz	QPSK	18900	38RB#37	22.42	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.03	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.21	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.99	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.66	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.92	PASS
Band2	15MHz	16QAM	18900	38RB#37	22.07	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.04	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.72	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.98	PASS
Band2	15MHz	QPSK	19125	38RB#0	21.71	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.55	PASS
Band2	15MHz	QPSK	19125	38RB#37	22.05	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.76	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.07	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.51	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.28	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.63	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.80	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.56	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.34	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.68	PASS

Band2	20MHz	QPSK	18700	50RB#0	21.77	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.88	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.76	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.70	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.39	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.03	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.89	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.39	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.02	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.13	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.67	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.82	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.14	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.92	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.65	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.94	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.53	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.80	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.45	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.78	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.73	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.46	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.79	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.74	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.10	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.47	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.35	PASS

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

Test Result

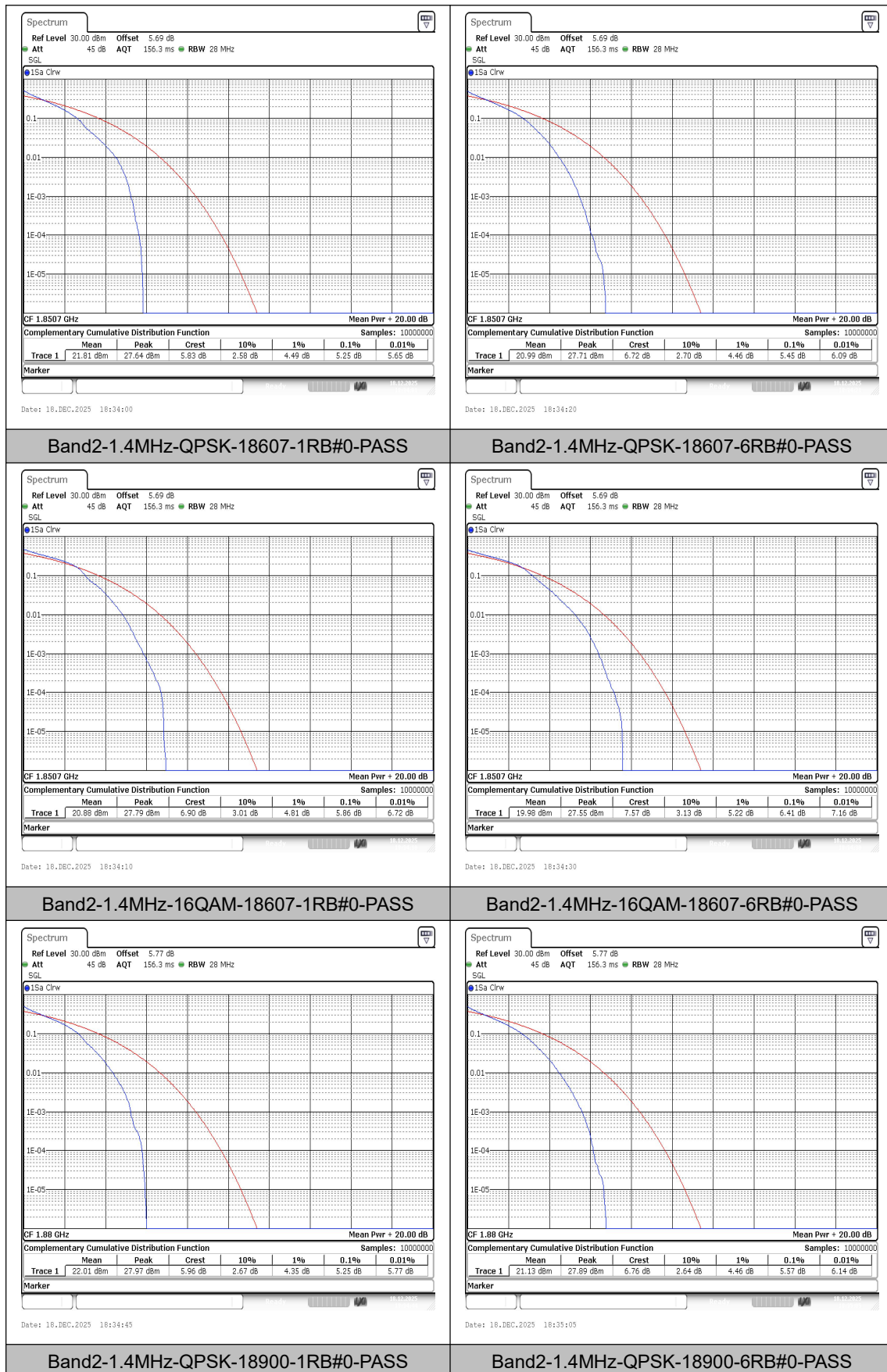
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	5.25	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.45	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.86	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.41	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	5.25	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.57	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	6.26	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.29	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	3.80	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.49	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	4.87	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.54	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	5.33	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.42	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	6.09	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.23	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	5.36	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.62	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.94	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.43	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.55	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.78	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.65	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.74	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	5.13	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.48	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.97	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.17	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	5.30	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.48	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	6.12	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.14	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	5.16	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.16	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	6.03	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.97	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	5.13	13	PASS

Waltek Testing Group (Shenzhen) Co., Ltd.

[Http://www.waltek.com.cn](http://www.waltek.com.cn)

Band2	10MHz	QPSK	18650	50RB#0	5.22	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.88	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	5.30	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.42	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	6.03	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	5.10	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.22	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.86	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.87	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.28	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.68	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.99	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.48	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	6.03	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	3.97	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.42	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	4.81	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	5.28	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.25	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	6.03	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	5.19	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.42	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.86	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.29	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.36	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.16	13	PASS

Test Graphs



Waltek Testing Group (Shenzhen) Co., Ltd.

[Http://www.waltek.com.cn](http://www.waltek.com.cn)

