

Appendix for Band 12

Product Name: NetStick-Q

Model No: GLU-4000Q

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.81	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.17	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.05	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.64	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.99	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.57	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.04	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.96	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.86	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.05	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.21	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.02	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.42	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.93	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.39	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.02	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.86	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.01	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.84	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.00	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.81	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.01	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.83	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.80	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.19	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.03	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.11	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.90	PASS

Band12	1.4MHz	16QAM	23173	3RB#0	21.69	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.90	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.58	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.99	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.61	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.87	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.90	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.90	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.96	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.83	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.02	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.61	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.69	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.08	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.03	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.99	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.03	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.83	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.99	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.97	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.11	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.86	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.84	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.86	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.93	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.94	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.96	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.96	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.87	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.96	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.87	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.03	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.97	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.01	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.93	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.89	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.94	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.71	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.78	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.89	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.89	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.89	PASS

Band12	3MHz	16QAM	23165	8RB#0	21.03	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.91	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.04	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.04	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.19	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.89	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.83	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.01	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.20	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.48	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.80	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.53	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.00	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.93	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.01	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.02	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.76	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.89	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.90	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.84	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.95	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.80	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.27	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.86	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.96	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.97	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.94	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.91	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.81	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.90	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.00	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.08	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.81	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.80	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.93	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.28	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.79	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.32	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.99	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.90	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.88	PASS

Band12	5MHz	16QAM	23155	12RB#0	20.91	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.90	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.93	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.80	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.81	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.80	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.75	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.81	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.82	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.98	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.72	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.85	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.87	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.88	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.90	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.89	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.93	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.95	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.87	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.93	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.98	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.95	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.21	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.00	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.86	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.00	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.89	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.99	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.00	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.15	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.87	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.93	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.94	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.17	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.33	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.64	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.19	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.74	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.04	PASS

Band12	10MHz	16QAM	23130	25RB#0	20.98	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.04	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.98	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.98	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.04	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.00	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.03	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.74	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.78	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.16	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.06	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.94	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.01	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.41	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.62	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.72	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.88	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.71	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.64	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.25	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.09	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.97	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.99	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.65	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.46	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.65	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.49	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.04	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.91	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.68	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.64	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.91	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.75	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.59	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.38	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.74	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.67	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.19	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.00	13	PASS

Waltek Testing Group (Shenzhen) Co., Ltd.

<http://www.waltek.com.cn>

Band12	10MHz	QPSK	23060	1RB#0	3.68	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.55	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.39	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.23	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.77	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.84	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.32	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.88	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.78	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.22	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.12	13	PASS

Test Graphs



