

Appendix for Band 5

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
Band5	1.4MHz	QPSK	20407	1RB#0	23.61	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.66	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.00	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.94	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.83	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.90	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.75	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.85	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.71	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.95	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.74	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.00	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.05	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.43	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.53	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.50	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.53	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.46	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.54	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.72	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.52	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.51	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.62	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.57	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.67	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.97	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.74	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.36	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.88	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.11	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.10	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.58	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.89	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.74	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.92	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.08	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.74	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.98	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.91	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.90	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.75	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.82	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.89	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.15	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.91	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.07	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.88	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.35	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.95	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.86	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.89	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.87	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.39	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.32	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.96	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.74	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.67	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.86	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.71	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.79	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.67	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.73	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.72	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.63	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.56	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.61	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.82	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.77	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.76	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.85	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.98	PASS

Band5	3MHz	16QAM	20635	8RB#0	22.15	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.96	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.07	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.87	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.05	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.06	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.63	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.52	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.73	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.62	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.67	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.67	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.83	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.88	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.83	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.87	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.86	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.74	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.84	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.91	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.69	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.58	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.40	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.53	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.77	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.86	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.72	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.71	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.66	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.81	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.54	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.76	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.62	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.62	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.75	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.79	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.67	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.80	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.77	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.86	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.91	PASS

Band5	5MHz	16QAM	20625	12RB#0	21.84	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.87	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.88	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.87	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.84	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.81	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.01	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.50	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.76	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.14	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.05	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.46	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.61	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.92	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.85	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.92	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.89	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.70	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.76	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.71	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.77	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.92	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.90	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.28	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.40	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.80	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.85	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.74	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.88	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.70	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.72	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.64	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.83	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.74	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.62	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.59	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.69	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.81	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.20	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.68	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.67	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.74	PASS

Band5	10MHz	16QAM	20600	25RB#0	21.81	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.67	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.81	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.93	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.83	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.70	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.86	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.67	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.77	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.22	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.09	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.06	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.01	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.84	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.77	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.80	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.32	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.52	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.19	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.70	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.59	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.28	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.91	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.87	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.90	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.71	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.71	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.52	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.52	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.42	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.67	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.62	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.16	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.00	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.97	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.81	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.87	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.68	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.14	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.96	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.70	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.54	13	PASS

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Band5	10MHz	QPSK	20450	1RB#0	4.67	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.87	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.77	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.80	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.78	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.77	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.58	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.51	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.84	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.83	13	PASS

Test Graphs



