

Appendix for LTE BAND 4

Product Name: Smart Phone

Model No: Nova

Appendix A: Average Power Output Data

Test Result

Normal:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.11	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.03	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.27	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.24	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.14	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.09	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.14	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.98	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.12	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.99	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.18	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.98	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.15	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.18	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.96	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.05	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.03	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.25	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.93	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.01	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.05	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.92	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.05	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.95	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.03	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.52	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.84	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.84	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.77	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.41	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.83	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.60	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.71	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.24	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.60	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.25	PASS

Band4	1.4MHz	QPSK	20393	3RB#1	24.38	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.15	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.49	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.18	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.56	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.51	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.06	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.81	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.11	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.92	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.16	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.09	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.14	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.10	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.14	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.12	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.14	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.17	PASS
Band4	3MHz	QPSK	19965	15RB#0	23.06	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.08	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.95	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.98	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.92	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.92	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.90	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.90	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.92	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.99	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.96	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.96	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.96	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.91	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.85	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.67	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.35	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.75	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.49	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.85	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.63	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.80	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.73	PASS

Band4	3MHz	QPSK	20385	8RB#4	23.76	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.72	PASS
Band4	3MHz	QPSK	20385	8RB#7	23.77	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.75	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.70	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.69	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.01	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.91	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.81	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.71	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.55	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.58	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.63	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.65	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.64	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.62	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.71	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.66	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.65	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.70	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.38	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.46	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.51	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.55	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.36	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.36	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.43	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.48	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.45	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.44	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.48	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.44	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.47	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.54	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.01	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.98	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.22	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.17	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.21	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.11	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.11	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.15	PASS

Band4	5MHz	QPSK	20375	12RB#6	23.17	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.13	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.19	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.19	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.18	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.25	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.24	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.94	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.25	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.70	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.72	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.52	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.72	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.74	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.72	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.68	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.78	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.82	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.71	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.72	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.48	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.53	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.45	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.62	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.40	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.43	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.54	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.54	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.53	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.54	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.51	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.47	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.46	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.50	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.89	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.83	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.25	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.18	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.23	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.19	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.04	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.97	PASS

Band4	10MHz	QPSK	20350	25RB#12	23.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.98	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.19	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.21	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.08	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.08	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.57	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.71	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.75	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.88	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.44	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.73	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.87	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.87	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.83	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.83	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.84	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.85	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.91	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.78	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.47	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.66	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.40	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.61	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.26	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.44	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.57	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.57	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.57	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.56	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.56	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.56	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.55	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.50	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.60	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.74	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.92	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.03	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.02	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.16	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.14	PASS
Band4	15MHz	16QAM	20325	38RB#0	23.12	PASS

Band4	15MHz	QPSK	20325	38RB#18	23.11	PASS
Band4	15MHz	16QAM	20325	38RB#18	23.08	PASS
Band4	15MHz	QPSK	20325	38RB#37	23.10	PASS
Band4	15MHz	16QAM	20325	38RB#37	23.09	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.13	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.52	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.05	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.44	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.72	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.73	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.21	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.18	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.18	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.23	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.14	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.16	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.13	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.20	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.92	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.74	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.10	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.23	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.87	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.66	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.04	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.12	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.03	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.07	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.87	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.90	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.93	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.01	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.89	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.72	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.87	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.18	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.44	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.24	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.10	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.19	PASS

Band4	20MHz	QPSK	20300	50RB#25	23.11	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.13	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.41	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.42	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.26	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.22	PASS

Receiver ON:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	19.68	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	19.85	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	19.79	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.14	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	19.68	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	19.93	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	19.80	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	19.73	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	19.83	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	19.72	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	19.84	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	19.78	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.77	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.83	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	19.60	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.78	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	19.70	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	19.99	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	19.57	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	19.80	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	19.68	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	19.65	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	19.65	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	19.66	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	19.70	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	19.64	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	19.65	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.57	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	20.35	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.54	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	20.47	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.74	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	20.33	PASS

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Band4	1.4MHz	16QAM	20393	1RB#5	20.54	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.46	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.39	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.45	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.36	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	20.48	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.37	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.43	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.50	PASS
Band4	3MHz	QPSK	19965	1RB#0	19.78	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.01	PASS
Band4	3MHz	QPSK	19965	1RB#8	19.76	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.04	PASS
Band4	3MHz	QPSK	19965	1RB#14	19.79	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	19.79	PASS
Band4	3MHz	16QAM	19965	8RB#0	19.91	PASS
Band4	3MHz	QPSK	19965	8RB#4	19.80	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.90	PASS
Band4	3MHz	QPSK	19965	8RB#7	19.77	PASS
Band4	3MHz	16QAM	19965	8RB#7	19.88	PASS
Band4	3MHz	QPSK	19965	15RB#0	19.78	PASS
Band4	3MHz	16QAM	19965	15RB#0	19.87	PASS
Band4	3MHz	QPSK	20175	1RB#0	19.66	PASS
Band4	3MHz	16QAM	20175	1RB#0	19.94	PASS
Band4	3MHz	QPSK	20175	1RB#8	19.64	PASS
Band4	3MHz	16QAM	20175	1RB#8	19.87	PASS
Band4	3MHz	QPSK	20175	1RB#14	19.60	PASS
Band4	3MHz	16QAM	20175	1RB#14	19.81	PASS
Band4	3MHz	QPSK	20175	8RB#0	19.65	PASS
Band4	3MHz	16QAM	20175	8RB#0	19.72	PASS
Band4	3MHz	QPSK	20175	8RB#4	19.66	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.72	PASS
Band4	3MHz	QPSK	20175	8RB#7	19.63	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.69	PASS
Band4	3MHz	QPSK	20175	15RB#0	19.61	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.67	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.38	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.61	PASS
Band4	3MHz	QPSK	20385	1RB#8	20.40	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.57	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.41	PASS

Band4	3MHz	16QAM	20385	1RB#14	20.61	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.40	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.48	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.42	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.48	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.41	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.43	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.40	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.46	PASS
Band4	5MHz	QPSK	19975	1RB#0	19.77	PASS
Band4	5MHz	16QAM	19975	1RB#0	19.83	PASS
Band4	5MHz	QPSK	19975	1RB#12	19.88	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	19.82	PASS
Band4	5MHz	16QAM	19975	1RB#24	19.84	PASS
Band4	5MHz	QPSK	19975	12RB#0	19.81	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.82	PASS
Band4	5MHz	QPSK	19975	12RB#6	19.80	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.83	PASS
Band4	5MHz	QPSK	19975	12RB#13	19.84	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.85	PASS
Band4	5MHz	QPSK	19975	25RB#0	19.83	PASS
Band4	5MHz	16QAM	19975	25RB#0	19.93	PASS
Band4	5MHz	QPSK	20175	1RB#0	19.56	PASS
Band4	5MHz	16QAM	20175	1RB#0	19.68	PASS
Band4	5MHz	QPSK	20175	1RB#12	19.67	PASS
Band4	5MHz	16QAM	20175	1RB#12	19.81	PASS
Band4	5MHz	QPSK	20175	1RB#24	19.69	PASS
Band4	5MHz	16QAM	20175	1RB#24	19.61	PASS
Band4	5MHz	QPSK	20175	12RB#0	19.66	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.67	PASS
Band4	5MHz	QPSK	20175	12RB#6	19.66	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.63	PASS
Band4	5MHz	QPSK	20175	12RB#13	19.59	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.68	PASS
Band4	5MHz	QPSK	20175	25RB#0	19.62	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.70	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.34	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.38	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.50	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.56	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.38	PASS

Band4	5MHz	16QAM	20375	1RB#24	20.48	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.37	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.41	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.40	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.42	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.37	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.43	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.44	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.47	PASS
Band4	10MHz	QPSK	20000	1RB#0	19.80	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.05	PASS
Band4	10MHz	QPSK	20000	1RB#24	19.96	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.13	PASS
Band4	10MHz	QPSK	20000	1RB#49	19.83	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.02	PASS
Band4	10MHz	QPSK	20000	25RB#0	19.89	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.98	PASS
Band4	10MHz	QPSK	20000	25RB#12	19.92	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.94	PASS
Band4	10MHz	QPSK	20000	25RB#25	19.93	PASS
Band4	10MHz	16QAM	20000	25RB#25	19.98	PASS
Band4	10MHz	QPSK	20000	50RB#0	19.90	PASS
Band4	10MHz	16QAM	20000	50RB#0	19.97	PASS
Band4	10MHz	QPSK	20175	1RB#0	19.65	PASS
Band4	10MHz	16QAM	20175	1RB#0	19.95	PASS
Band4	10MHz	QPSK	20175	1RB#24	19.66	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	19.62	PASS
Band4	10MHz	16QAM	20175	1RB#49	19.87	PASS
Band4	10MHz	QPSK	20175	25RB#0	19.69	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.77	PASS
Band4	10MHz	QPSK	20175	25RB#12	19.71	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.78	PASS
Band4	10MHz	QPSK	20175	25RB#25	19.61	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.74	PASS
Band4	10MHz	QPSK	20175	50RB#0	19.62	PASS
Band4	10MHz	16QAM	20175	50RB#0	19.72	PASS
Band4	10MHz	QPSK	20350	1RB#0	20.15	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.39	PASS
Band4	10MHz	QPSK	20350	1RB#24	20.42	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.71	PASS
Band4	10MHz	QPSK	20350	1RB#49	20.40	PASS

Band4	10MHz	16QAM	20350	1RB#49	20.68	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.33	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.39	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.34	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.35	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.50	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.51	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.43	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.43	PASS
Band4	15MHz	QPSK	20025	1RB#0	19.78	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.02	PASS
Band4	15MHz	QPSK	20025	1RB#38	19.88	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.17	PASS
Band4	15MHz	QPSK	20025	1RB#74	19.69	PASS
Band4	15MHz	16QAM	20025	1RB#74	19.95	PASS
Band4	15MHz	QPSK	20025	38RB#0	19.90	PASS
Band4	15MHz	16QAM	20025	38RB#0	19.87	PASS
Band4	15MHz	QPSK	20025	38RB#18	19.85	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	19.90	PASS
Band4	15MHz	16QAM	20025	38RB#37	19.80	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	19.91	PASS
Band4	15MHz	QPSK	20175	1RB#0	19.64	PASS
Band4	15MHz	16QAM	20175	1RB#0	19.97	PASS
Band4	15MHz	QPSK	20175	1RB#38	19.58	PASS
Band4	15MHz	16QAM	20175	1RB#38	19.83	PASS
Band4	15MHz	QPSK	20175	1RB#74	19.61	PASS
Band4	15MHz	16QAM	20175	1RB#74	19.81	PASS
Band4	15MHz	QPSK	20175	38RB#0	19.72	PASS
Band4	15MHz	16QAM	20175	38RB#0	19.70	PASS
Band4	15MHz	QPSK	20175	38RB#18	19.73	PASS
Band4	15MHz	16QAM	20175	38RB#18	19.74	PASS
Band4	15MHz	QPSK	20175	38RB#37	19.74	PASS
Band4	15MHz	16QAM	20175	38RB#37	19.74	PASS
Band4	15MHz	QPSK	20175	75RB#0	19.72	PASS
Band4	15MHz	16QAM	20175	75RB#0	19.68	PASS
Band4	15MHz	QPSK	20325	1RB#0	19.83	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.11	PASS
Band4	15MHz	QPSK	20325	1RB#38	20.19	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.46	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.22	PASS

Band4	15MHz	16QAM	20325	1RB#74	20.48	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.29	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.29	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.32	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.24	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.21	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.17	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.16	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.19	PASS
Band4	20MHz	QPSK	20050	1RB#0	19.76	PASS
Band4	20MHz	16QAM	20050	1RB#0	19.82	PASS
Band4	20MHz	QPSK	20050	1RB#49	20.15	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.08	PASS
Band4	20MHz	QPSK	20050	1RB#99	19.53	PASS
Band4	20MHz	16QAM	20050	1RB#99	19.64	PASS
Band4	20MHz	QPSK	20050	50RB#0	19.88	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.96	PASS
Band4	20MHz	QPSK	20050	50RB#25	19.91	PASS
Band4	20MHz	16QAM	20050	50RB#25	19.92	PASS
Band4	20MHz	QPSK	20050	50RB#50	19.87	PASS
Band4	20MHz	16QAM	20050	50RB#50	19.93	PASS
Band4	20MHz	QPSK	20050	100RB#0	19.86	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.89	PASS
Band4	20MHz	QPSK	20175	1RB#0	19.67	PASS
Band4	20MHz	16QAM	20175	1RB#0	19.74	PASS
Band4	20MHz	QPSK	20175	1RB#49	19.85	PASS
Band4	20MHz	16QAM	20175	1RB#49	19.91	PASS
Band4	20MHz	QPSK	20175	1RB#99	19.58	PASS
Band4	20MHz	16QAM	20175	1RB#99	19.64	PASS
Band4	20MHz	QPSK	20175	50RB#0	19.73	PASS
Band4	20MHz	16QAM	20175	50RB#0	19.78	PASS
Band4	20MHz	QPSK	20175	50RB#25	19.75	PASS
Band4	20MHz	16QAM	20175	50RB#25	19.74	PASS
Band4	20MHz	QPSK	20175	50RB#50	19.68	PASS
Band4	20MHz	16QAM	20175	50RB#50	19.71	PASS
Band4	20MHz	QPSK	20175	100RB#0	19.67	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.77	PASS
Band4	20MHz	QPSK	20300	1RB#0	19.62	PASS
Band4	20MHz	16QAM	20300	1RB#0	19.70	PASS
Band4	20MHz	QPSK	20300	1RB#49	20.29	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.79	PASS
Band4	20MHz	QPSK	20300	1RB#99	20.20	PASS

Band4	20MHz	16QAM	20300	1RB#99	20.17	PASS
Band4	20MHz	QPSK	20300	50RB#0	19.92	PASS
Band4	20MHz	16QAM	20300	50RB#0	19.95	PASS
Band4	20MHz	QPSK	20300	50RB#25	19.94	PASS
Band4	20MHz	16QAM	20300	50RB#25	19.98	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.21	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.29	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.06	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.08	PASS

Appendix B: 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	3.91	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.04	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.49	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.33	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.06	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.84	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.61	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.59	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.86	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.64	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.43	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.28	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.57	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.58	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.70	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.57	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.80	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.93	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.87	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.74	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.36	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.38	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.52	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.42	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.65	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.52	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.81	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.62	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	3.94	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	4.72	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.90	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.74	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.48	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.41	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.55	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.39	13	PASS

Band4	10MHz	QPSK	20000	1RB#0	3.59	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.64	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.90	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.74	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	3.88	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	4.99	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.84	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.74	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.36	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.38	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.49	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.36	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.62	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.70	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.16	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.91	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.17	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.99	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.99	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.77	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.39	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.49	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.55	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.39	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.65	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.64	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.07	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.97	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.38	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.39	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.99	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.86	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	3.57	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	4.61	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.61	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.51	13	PASS

Test Graphs





















