

FCC Appendix RF Test Data for LTE Band 4

FCC ID : 2BG9Y-MODELXXXPXXX

Company : Hyatta Digital Technology Co., Ltd.

EUT : Portable Data Terminal

Model Number : Model 7

Report No. : CTA26052902004

Reviewed By : Eric Wang

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Appendix A: Conducted output power

Test Result

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.91	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.92	PASS
Band4	1.4	19957	1	#Max	QPSK	22.87	PASS
Band4	1.4	19957	3	#0	QPSK	22.90	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.94	PASS
Band4	1.4	19957	3	#Max	QPSK	22.88	PASS
Band4	1.4	19957	6	#0	QPSK	21.99	PASS
Band4	1.4	19957	1	#0	16QAM	22.13	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.18	PASS
Band4	1.4	19957	1	#Max	16QAM	22.14	PASS
Band4	1.4	19957	3	#0	16QAM	22.07	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.10	PASS
Band4	1.4	19957	3	#Max	16QAM	22.06	PASS
Band4	1.4	19957	6	#0	16QAM	21.08	PASS
Band4	1.4	20175	1	#0	QPSK	22.93	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.94	PASS
Band4	1.4	20175	1	#Max	QPSK	22.94	PASS
Band4	1.4	20175	3	#0	QPSK	22.88	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.97	PASS
Band4	1.4	20175	3	#Max	QPSK	22.89	PASS
Band4	1.4	20175	6	#0	QPSK	21.97	PASS
Band4	1.4	20175	1	#0	16QAM	21.78	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.80	PASS
Band4	1.4	20175	1	#Max	16QAM	21.77	PASS
Band4	1.4	20175	3	#0	16QAM	21.93	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.01	PASS
Band4	1.4	20175	3	#Max	16QAM	21.94	PASS
Band4	1.4	20175	6	#0	16QAM	21.14	PASS
Band4	1.4	20393	1	#0	QPSK	22.78	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.85	PASS
Band4	1.4	20393	1	#Max	QPSK	22.76	PASS
Band4	1.4	20393	3	#0	QPSK	22.87	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.92	PASS
Band4	1.4	20393	3	#Max	QPSK	22.88	PASS
Band4	1.4	20393	6	#0	QPSK	21.97	PASS
Band4	1.4	20393	1	#0	16QAM	21.82	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.92	PASS
Band4	1.4	20393	1	#Max	16QAM	21.83	PASS
Band4	1.4	20393	3	#0	16QAM	21.93	PASS

Band4	1.4	20393	3	#Mid	16QAM	21.99	PASS
Band4	1.4	20393	3	#Max	16QAM	21.87	PASS
Band4	1.4	20393	6	#0	16QAM	21.18	PASS
Band4	3	19965	1	#0	QPSK	22.79	PASS
Band4	3	19965	1	#Mid	QPSK	22.86	PASS
Band4	3	19965	1	#Max	QPSK	22.75	PASS
Band4	3	19965	8	#0	QPSK	21.96	PASS
Band4	3	19965	8	#Mid	QPSK	22.02	PASS
Band4	3	19965	8	#Max	QPSK	21.99	PASS
Band4	3	19965	15	#0	QPSK	22.02	PASS
Band4	3	19965	1	#0	16QAM	21.96	PASS
Band4	3	19965	1	#Mid	16QAM	22.10	PASS
Band4	3	19965	1	#Max	16QAM	22.04	PASS
Band4	3	19965	8	#0	16QAM	20.98	PASS
Band4	3	19965	8	#Mid	16QAM	21.07	PASS
Band4	3	19965	8	#Max	16QAM	21.05	PASS
Band4	3	19965	15	#0	16QAM	20.91	PASS
Band4	3	20175	1	#0	QPSK	22.71	PASS
Band4	3	20175	1	#Mid	QPSK	22.77	PASS
Band4	3	20175	1	#Max	QPSK	22.73	PASS
Band4	3	20175	8	#0	QPSK	21.96	PASS
Band4	3	20175	8	#Mid	QPSK	22.01	PASS
Band4	3	20175	8	#Max	QPSK	21.96	PASS
Band4	3	20175	15	#0	QPSK	21.97	PASS
Band4	3	20175	1	#0	16QAM	21.78	PASS
Band4	3	20175	1	#Mid	16QAM	21.90	PASS
Band4	3	20175	1	#Max	16QAM	21.80	PASS
Band4	3	20175	8	#0	16QAM	21.04	PASS
Band4	3	20175	8	#Mid	16QAM	21.08	PASS
Band4	3	20175	8	#Max	16QAM	21.02	PASS
Band4	3	20175	15	#0	16QAM	20.84	PASS
Band4	3	20385	1	#0	QPSK	22.74	PASS
Band4	3	20385	1	#Mid	QPSK	22.90	PASS
Band4	3	20385	1	#Max	QPSK	22.81	PASS
Band4	3	20385	8	#0	QPSK	21.94	PASS
Band4	3	20385	8	#Mid	QPSK	21.98	PASS
Band4	3	20385	8	#Max	QPSK	21.91	PASS
Band4	3	20385	15	#0	QPSK	21.92	PASS
Band4	3	20385	1	#0	16QAM	22.05	PASS
Band4	3	20385	1	#Mid	16QAM	22.14	PASS
Band4	3	20385	1	#Max	16QAM	22.04	PASS
Band4	3	20385	8	#0	16QAM	20.88	PASS
Band4	3	20385	8	#Mid	16QAM	20.94	PASS
Band4	3	20385	8	#Max	16QAM	20.92	PASS

Band4	3	20385	15	#0	16QAM	21.03	PASS
Band4	5	19975	1	#0	QPSK	23.01	PASS
Band4	5	19975	1	#Mid	QPSK	23.13	PASS
Band4	5	19975	1	#Max	QPSK	23.02	PASS
Band4	5	19975	12	#0	QPSK	22.01	PASS
Band4	5	19975	12	#Mid	QPSK	22.08	PASS
Band4	5	19975	12	#Max	QPSK	22.08	PASS
Band4	5	19975	25	#0	QPSK	22.02	PASS
Band4	5	19975	1	#0	16QAM	22.41	PASS
Band4	5	19975	1	#Mid	16QAM	22.50	PASS
Band4	5	19975	1	#Max	16QAM	22.42	PASS
Band4	5	19975	12	#0	16QAM	21.05	PASS
Band4	5	19975	12	#Mid	16QAM	21.09	PASS
Band4	5	19975	12	#Max	16QAM	21.04	PASS
Band4	5	19975	25	#0	16QAM	21.15	PASS
Band4	5	20175	1	#0	QPSK	23.02	PASS
Band4	5	20175	1	#Mid	QPSK	23.07	PASS
Band4	5	20175	1	#Max	QPSK	22.99	PASS
Band4	5	20175	12	#0	QPSK	21.99	PASS
Band4	5	20175	12	#Mid	QPSK	22.09	PASS
Band4	5	20175	12	#Max	QPSK	22.07	PASS
Band4	5	20175	25	#0	QPSK	22.01	PASS
Band4	5	20175	1	#0	16QAM	22.20	PASS
Band4	5	20175	1	#Mid	16QAM	22.26	PASS
Band4	5	20175	1	#Max	16QAM	22.19	PASS
Band4	5	20175	12	#0	16QAM	21.08	PASS
Band4	5	20175	12	#Mid	16QAM	21.17	PASS
Band4	5	20175	12	#Max	16QAM	21.13	PASS
Band4	5	20175	25	#0	16QAM	21.02	PASS
Band4	5	20375	1	#0	QPSK	23.05	PASS
Band4	5	20375	1	#Mid	QPSK	23.12	PASS
Band4	5	20375	1	#Max	QPSK	23.08	PASS
Band4	5	20375	12	#0	QPSK	21.96	PASS
Band4	5	20375	12	#Mid	QPSK	22.08	PASS
Band4	5	20375	12	#Max	QPSK	22.05	PASS
Band4	5	20375	25	#0	QPSK	22.01	PASS
Band4	5	20375	1	#0	16QAM	22.10	PASS
Band4	5	20375	1	#Mid	16QAM	22.17	PASS
Band4	5	20375	1	#Max	16QAM	22.14	PASS
Band4	5	20375	12	#0	16QAM	21.06	PASS
Band4	5	20375	12	#Mid	16QAM	21.18	PASS
Band4	5	20375	12	#Max	16QAM	21.12	PASS
Band4	5	20375	25	#0	16QAM	21.02	PASS
Band4	10	20000	1	#0	QPSK	23.06	PASS

Band4	10	20000	1	#Mid	QPSK	23.13	PASS
Band4	10	20000	1	#Max	QPSK	23.13	PASS
Band4	10	20000	25	#0	QPSK	22.02	PASS
Band4	10	20000	25	#Mid	QPSK	22.13	PASS
Band4	10	20000	25	#Max	QPSK	22.06	PASS
Band4	10	20000	50	#0	QPSK	22.05	PASS
Band4	10	20000	1	#0	16QAM	22.15	PASS
Band4	10	20000	1	#Mid	16QAM	22.23	PASS
Band4	10	20000	1	#Max	16QAM	22.25	PASS
Band4	10	20000	25	#0	16QAM	21.08	PASS
Band4	10	20000	25	#Mid	16QAM	21.17	PASS
Band4	10	20000	25	#Max	16QAM	21.16	PASS
Band4	10	20000	50	#0	16QAM	21.12	PASS
Band4	10	20175	1	#0	QPSK	23.16	PASS
Band4	10	20175	1	#Mid	QPSK	23.18	PASS
Band4	10	20175	1	#Max	QPSK	23.17	PASS
Band4	10	20175	25	#0	QPSK	21.99	PASS
Band4	10	20175	25	#Mid	QPSK	22.08	PASS
Band4	10	20175	25	#Max	QPSK	22.04	PASS
Band4	10	20175	50	#0	QPSK	22.06	PASS
Band4	10	20175	1	#0	16QAM	22.38	PASS
Band4	10	20175	1	#Mid	16QAM	22.42	PASS
Band4	10	20175	1	#Max	16QAM	22.40	PASS
Band4	10	20175	25	#0	16QAM	20.97	PASS
Band4	10	20175	25	#Mid	16QAM	21.12	PASS
Band4	10	20175	25	#Max	16QAM	21.05	PASS
Band4	10	20175	50	#0	16QAM	21.03	PASS
Band4	10	20350	1	#0	QPSK	22.96	PASS
Band4	10	20350	1	#Mid	QPSK	23.05	PASS
Band4	10	20350	1	#Max	QPSK	23.06	PASS
Band4	10	20350	25	#0	QPSK	21.96	PASS
Band4	10	20350	25	#Mid	QPSK	22.06	PASS
Band4	10	20350	25	#Max	QPSK	22.00	PASS
Band4	10	20350	50	#0	QPSK	21.97	PASS
Band4	10	20350	1	#0	16QAM	22.20	PASS
Band4	10	20350	1	#Mid	16QAM	22.29	PASS
Band4	10	20350	1	#Max	16QAM	22.30	PASS
Band4	10	20350	25	#0	16QAM	21.04	PASS
Band4	10	20350	25	#Mid	16QAM	21.10	PASS
Band4	10	20350	25	#Max	16QAM	21.11	PASS
Band4	10	20350	50	#0	16QAM	20.96	PASS
Band4	15	20025	1	#0	QPSK	23.01	PASS
Band4	15	20025	1	#Mid	QPSK	23.18	PASS
Band4	15	20025	1	#Max	QPSK	23.12	PASS

Band4	15	20025	36	#0	QPSK	22.03	PASS
Band4	15	20025	36	#Mid	QPSK	22.14	PASS
Band4	15	20025	36	#Max	QPSK	22.12	PASS
Band4	15	20025	75	#0	QPSK	22.14	PASS
Band4	15	20025	1	#0	16QAM	22.25	PASS
Band4	15	20025	1	#Mid	16QAM	22.37	PASS
Band4	15	20025	1	#Max	16QAM	22.30	PASS
Band4	15	20025	36	#0	16QAM	21.02	PASS
Band4	15	20025	36	#Mid	16QAM	21.13	PASS
Band4	15	20025	36	#Max	16QAM	21.13	PASS
Band4	15	20025	75	#0	16QAM	21.12	PASS
Band4	15	20175	1	#0	QPSK	23.01	PASS
Band4	15	20175	1	#Mid	QPSK	23.10	PASS
Band4	15	20175	1	#Max	QPSK	22.96	PASS
Band4	15	20175	36	#0	QPSK	22.04	PASS
Band4	15	20175	36	#Mid	QPSK	22.11	PASS
Band4	15	20175	36	#Max	QPSK	22.07	PASS
Band4	15	20175	75	#0	QPSK	22.10	PASS
Band4	15	20175	1	#0	16QAM	22.12	PASS
Band4	15	20175	1	#Mid	16QAM	22.16	PASS
Band4	15	20175	1	#Max	16QAM	22.03	PASS
Band4	15	20175	36	#0	16QAM	21.08	PASS
Band4	15	20175	36	#Mid	16QAM	21.12	PASS
Band4	15	20175	36	#Max	16QAM	21.09	PASS
Band4	15	20175	75	#0	16QAM	21.04	PASS
Band4	15	20325	1	#0	QPSK	23.02	PASS
Band4	15	20325	1	#Mid	QPSK	23.16	PASS
Band4	15	20325	1	#Max	QPSK	23.11	PASS
Band4	15	20325	36	#0	QPSK	21.93	PASS
Band4	15	20325	36	#Mid	QPSK	22.01	PASS
Band4	15	20325	36	#Max	QPSK	21.97	PASS
Band4	15	20325	75	#0	QPSK	22.06	PASS
Band4	15	20325	1	#0	16QAM	21.99	PASS
Band4	15	20325	1	#Mid	16QAM	22.13	PASS
Band4	15	20325	1	#Max	16QAM	22.06	PASS
Band4	15	20325	36	#0	16QAM	20.90	PASS
Band4	15	20325	36	#Mid	16QAM	20.99	PASS
Band4	15	20325	36	#Max	16QAM	20.97	PASS
Band4	15	20325	75	#0	16QAM	21.03	PASS
Band4	20	20050	1	#0	QPSK	22.97	PASS
Band4	20	20050	1	#Mid	QPSK	23.22	PASS
Band4	20	20050	1	#Max	QPSK	23.06	PASS
Band4	20	20050	50	#0	QPSK	22.02	PASS
Band4	20	20050	50	#Mid	QPSK	22.14	PASS

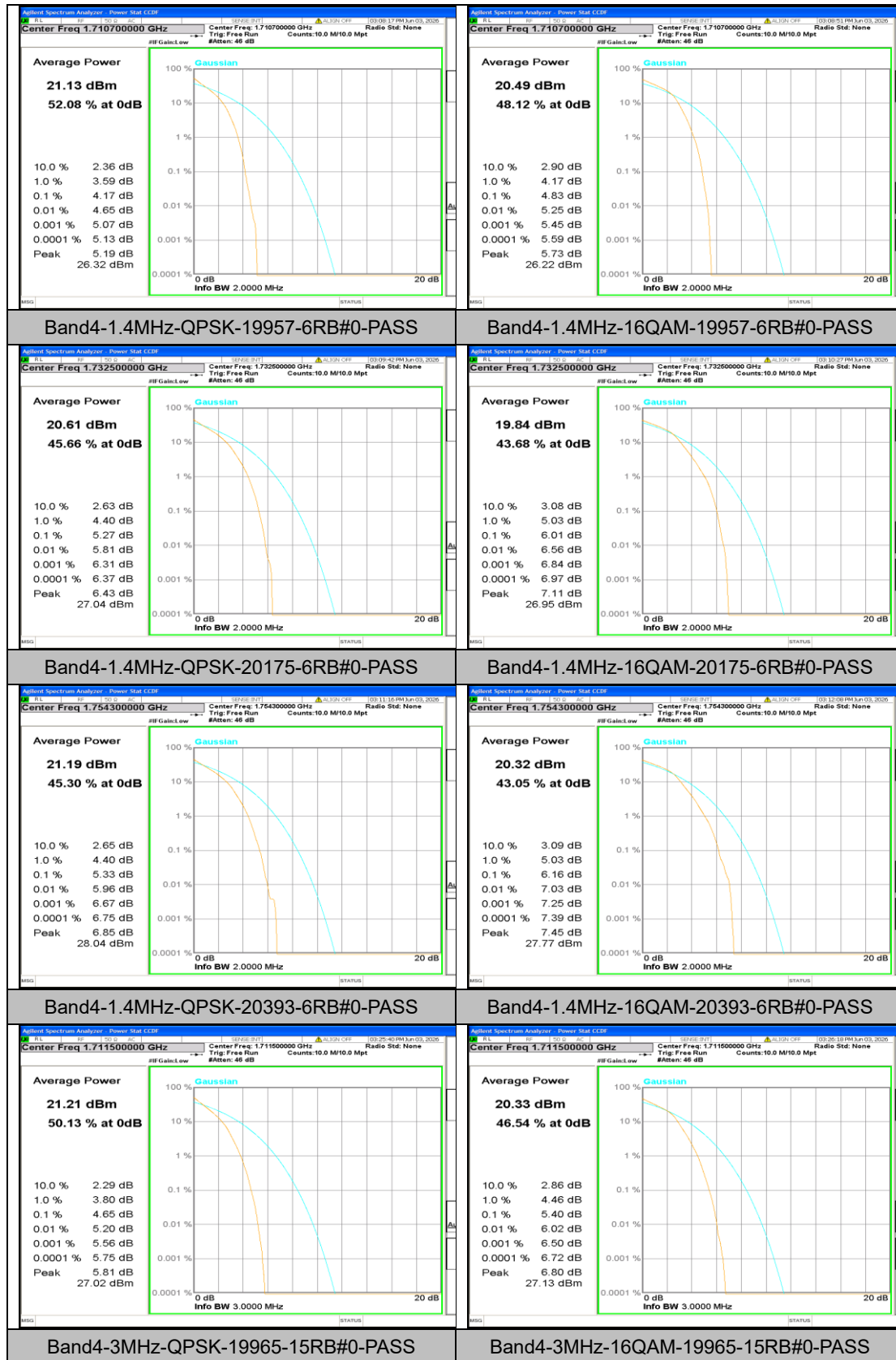
Band4	20	20050	50	#Max	QPSK	22.20	PASS
Band4	20	20050	100	#0	QPSK	22.11	PASS
Band4	20	20050	1	#0	16QAM	21.99	PASS
Band4	20	20050	1	#Mid	16QAM	22.26	PASS
Band4	20	20050	1	#Max	16QAM	22.09	PASS
Band4	20	20050	50	#0	16QAM	21.03	PASS
Band4	20	20050	50	#Mid	16QAM	21.17	PASS
Band4	20	20050	50	#Max	16QAM	21.21	PASS
Band4	20	20050	100	#0	16QAM	21.10	PASS
Band4	20	20175	1	#0	QPSK	22.99	PASS
Band4	20	20175	1	#Mid	QPSK	23.20	PASS
Band4	20	20175	1	#Max	QPSK	22.96	PASS
Band4	20	20175	50	#0	QPSK	22.01	PASS
Band4	20	20175	50	#Mid	QPSK	22.14	PASS
Band4	20	20175	50	#Max	QPSK	22.07	PASS
Band4	20	20175	100	#0	QPSK	22.02	PASS
Band4	20	20175	1	#0	16QAM	22.04	PASS
Band4	20	20175	1	#Mid	16QAM	22.23	PASS
Band4	20	20175	1	#Max	16QAM	22.00	PASS
Band4	20	20175	50	#0	16QAM	21.00	PASS
Band4	20	20175	50	#Mid	16QAM	21.14	PASS
Band4	20	20175	50	#Max	16QAM	21.08	PASS
Band4	20	20175	100	#0	16QAM	21.00	PASS
Band4	20	20300	1	#0	QPSK	22.87	PASS
Band4	20	20300	1	#Mid	QPSK	23.06	PASS
Band4	20	20300	1	#Max	QPSK	22.95	PASS
Band4	20	20300	50	#0	QPSK	21.98	PASS
Band4	20	20300	50	#Mid	QPSK	22.06	PASS
Band4	20	20300	50	#Max	QPSK	22.00	PASS
Band4	20	20300	100	#0	QPSK	22.00	PASS
Band4	20	20300	1	#0	16QAM	22.08	PASS
Band4	20	20300	1	#Mid	16QAM	22.21	PASS
Band4	20	20300	1	#Max	16QAM	22.15	PASS
Band4	20	20300	50	#0	16QAM	20.97	PASS
Band4	20	20300	50	#Mid	16QAM	21.04	PASS
Band4	20	20300	50	#Max	16QAM	21.06	PASS
Band4	20	20300	100	#0	16QAM	20.99	PASS

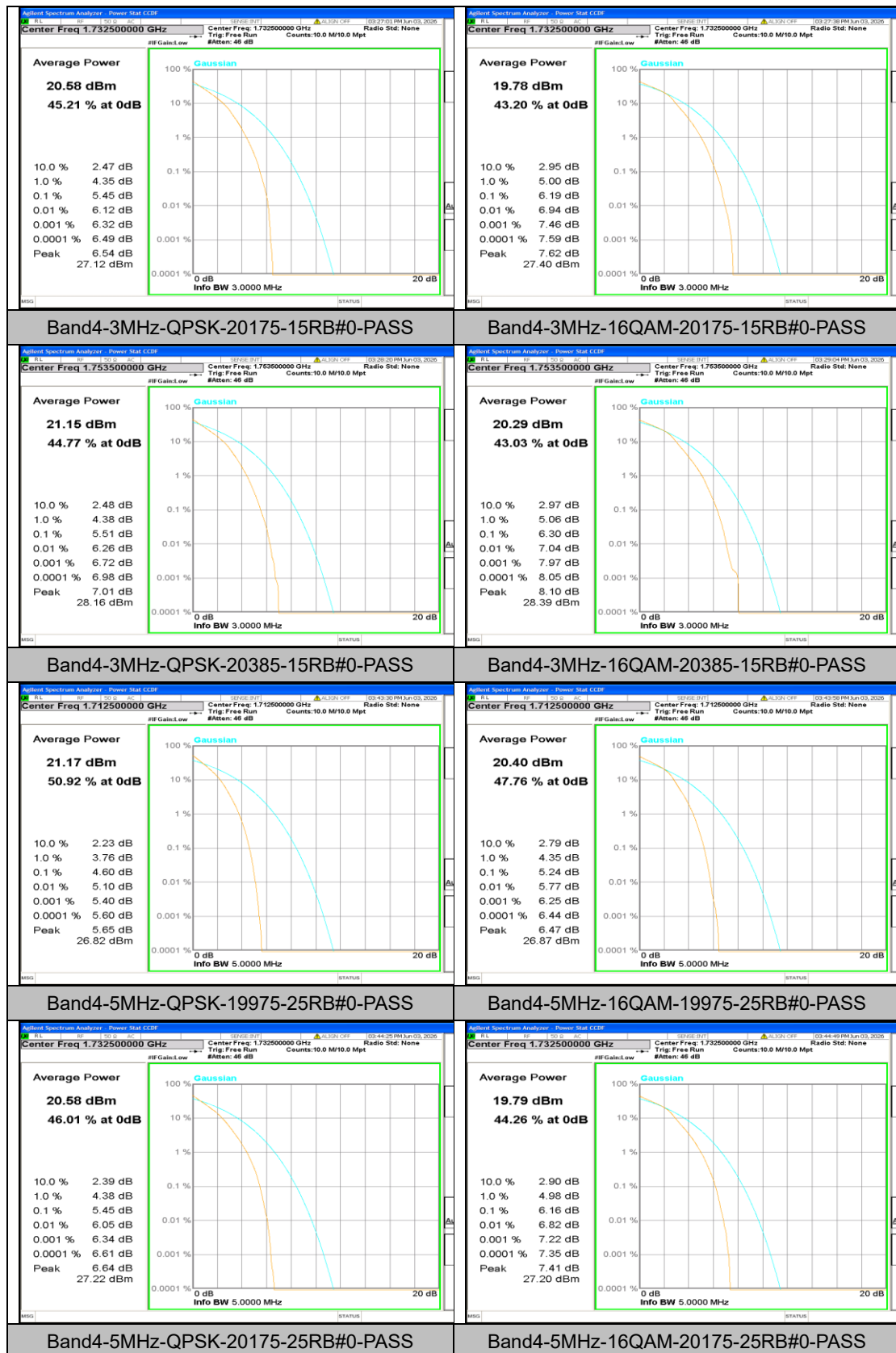
Appendix B: Peak-to-Average Ratio(CCDF)

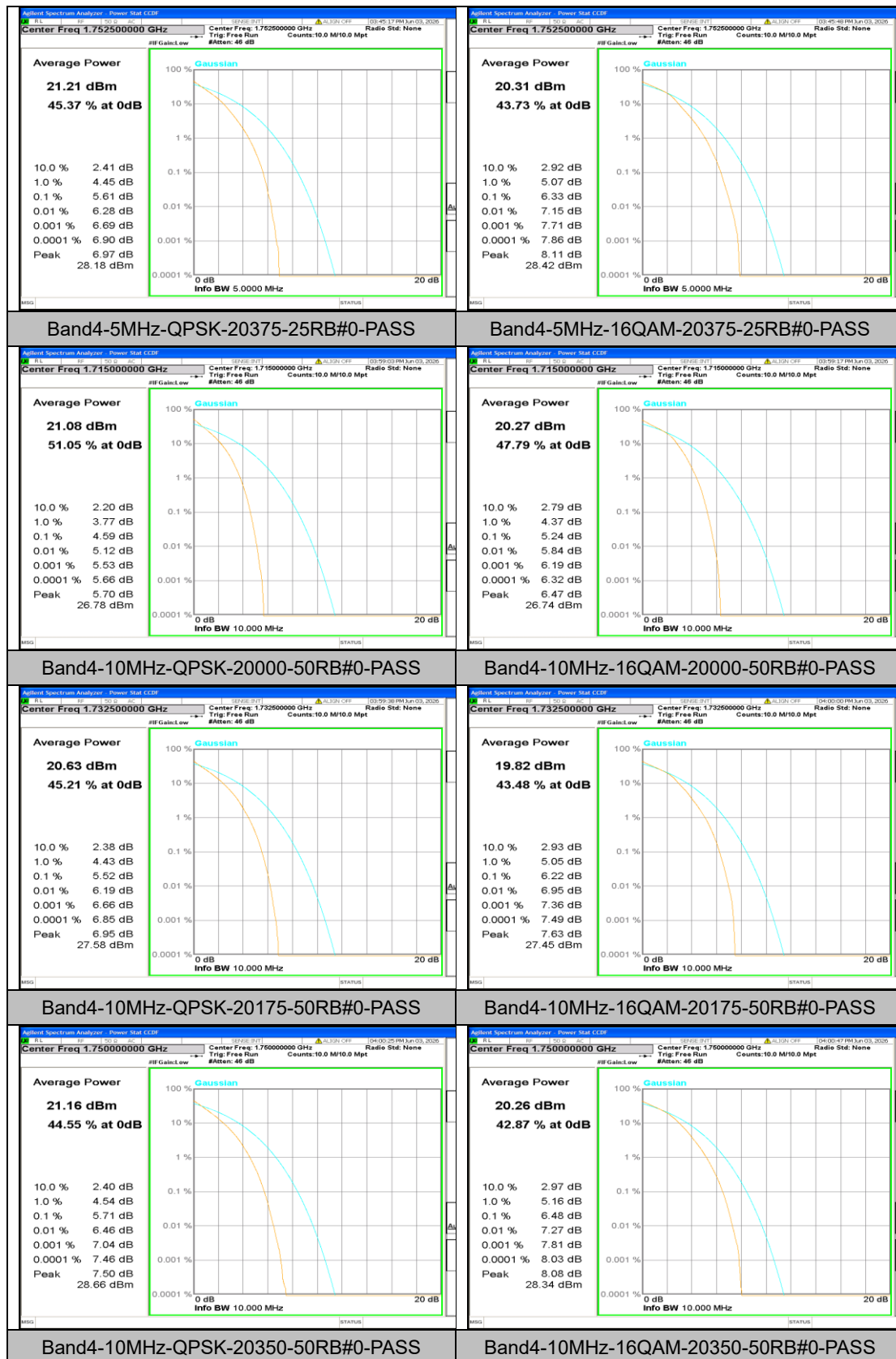
Test Result

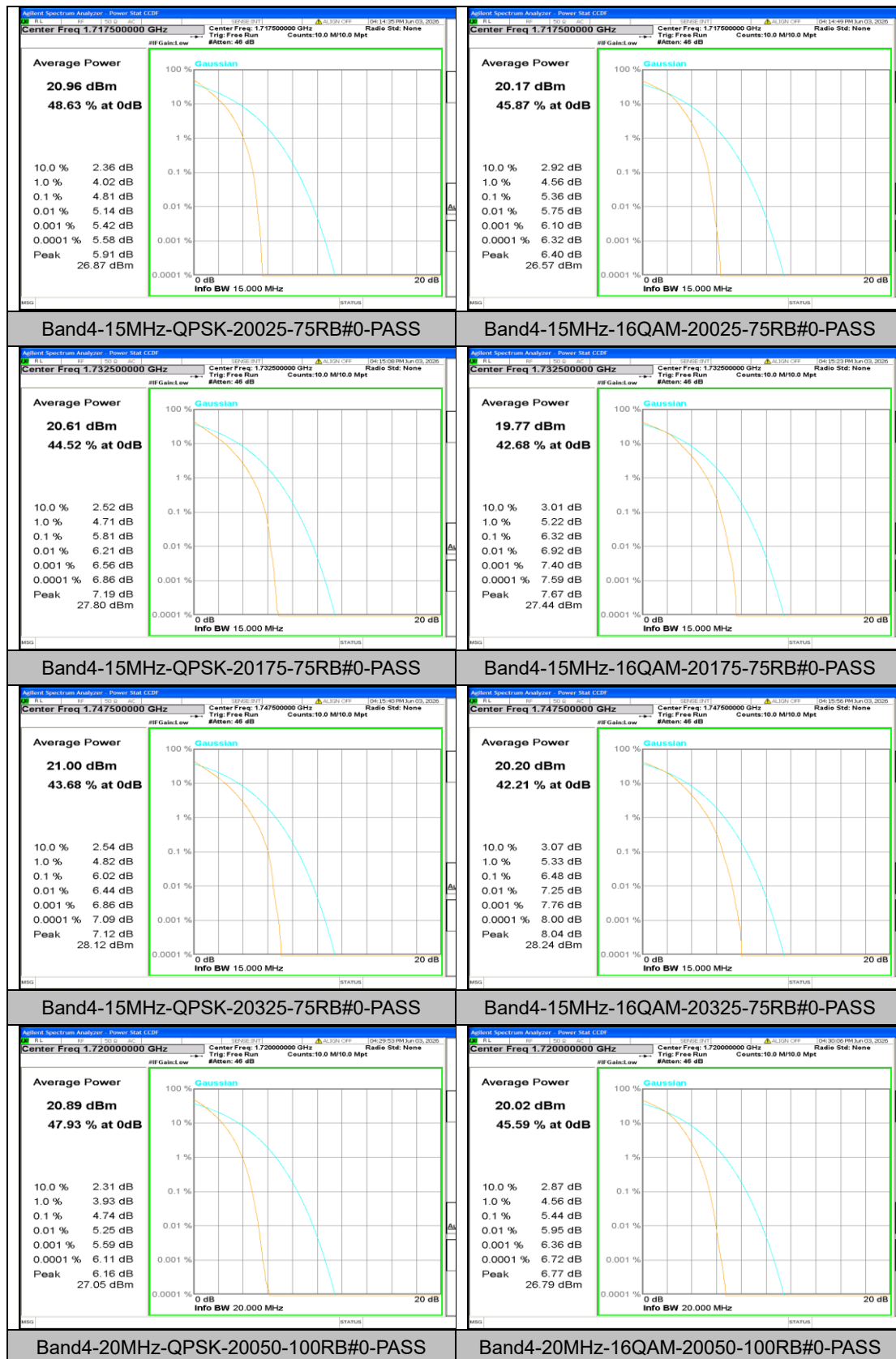
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.17	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	4.83	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.27	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.01	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.33	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.16	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.65	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.40	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.45	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.19	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.51	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.30	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.60	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.24	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.45	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.16	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.61	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.33	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.59	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.24	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.52	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.22	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.71	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.48	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.81	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.36	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.81	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.32	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	6.02	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.48	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.74	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.44	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.60	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.32	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.79	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.47	13	PASS

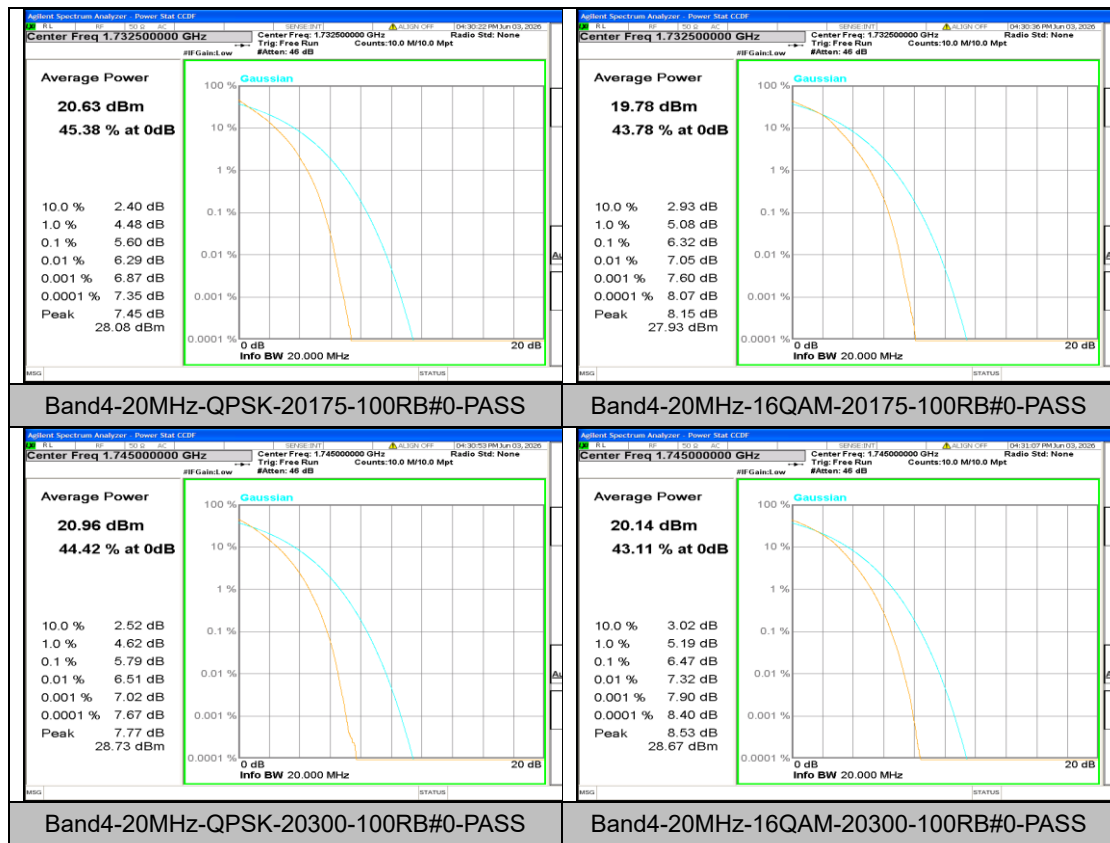
Test Graphs











Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0938	1.245	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1026	1.258	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0952	1.245	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1054	1.246	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0920	1.238	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1021	1.252	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7189	3.018	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7071	3.039	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7205	3.013	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7019	3.037	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7079	3.015	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6978	3.036	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5192	5.012	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5117	4.992	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5063	4.984	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5127	4.982	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5123	4.970	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5089	4.949	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0089	10.18	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0112	9.986	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0071	9.886	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0121	9.918	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9952	9.907	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9935	9.895	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.515	15.45	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.513	14.83	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.547	14.93	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.529	15.01	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.518	14.91	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.521	14.91	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.013	20.28	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.057	22.04	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.050	19.83	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.076	19.73	PASS

Band4	20MHz	QPSK	20300	100RB#0	18.050	19.80	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.026	19.67	PASS

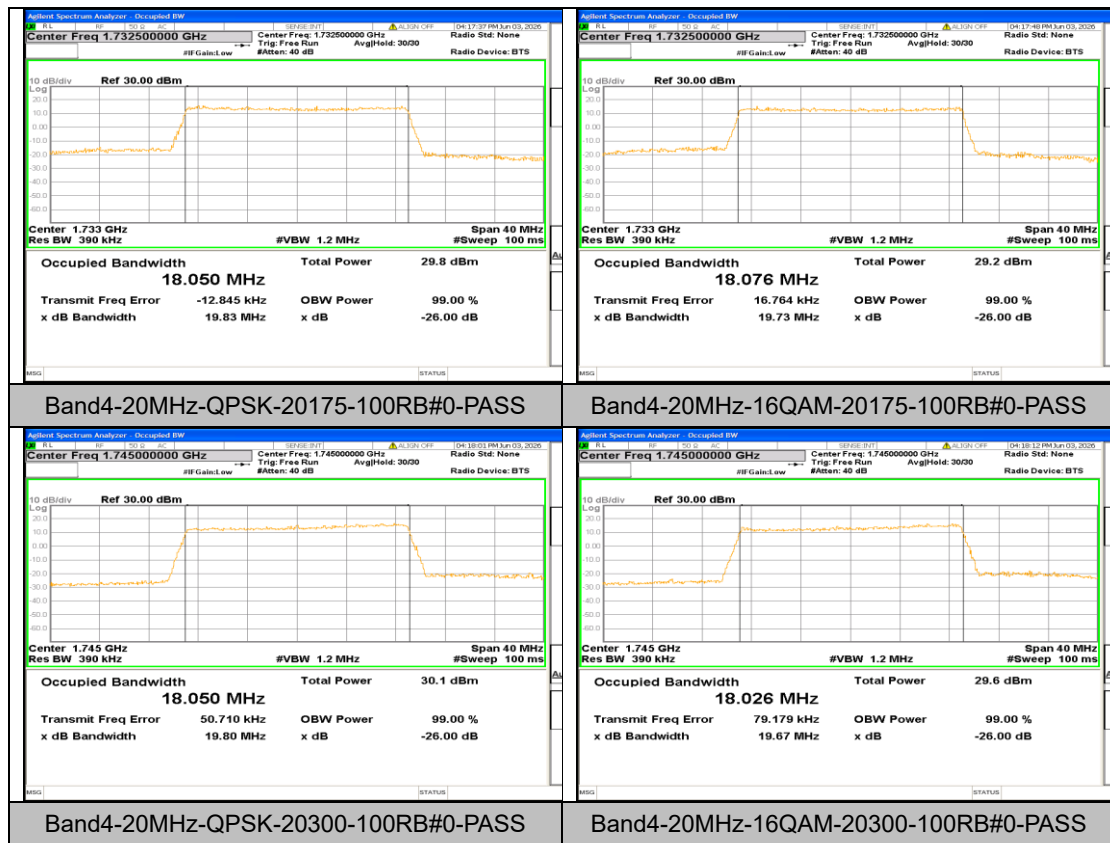
Test Graphs









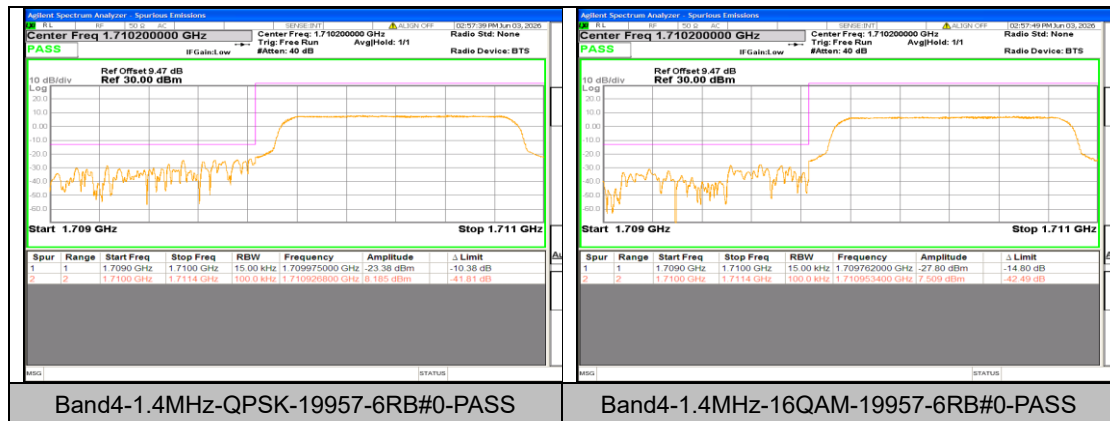


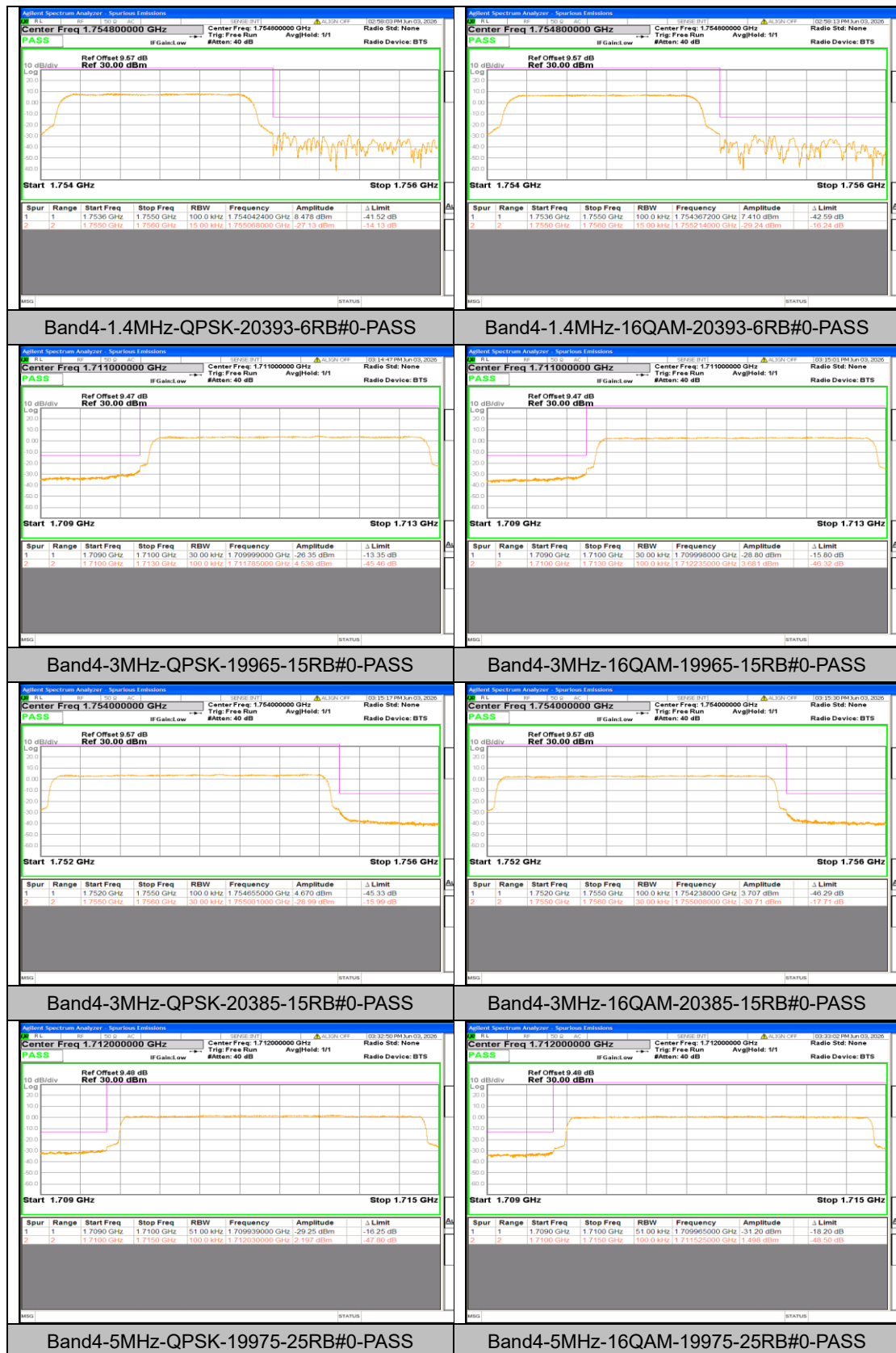
Appendix D: Band Edge

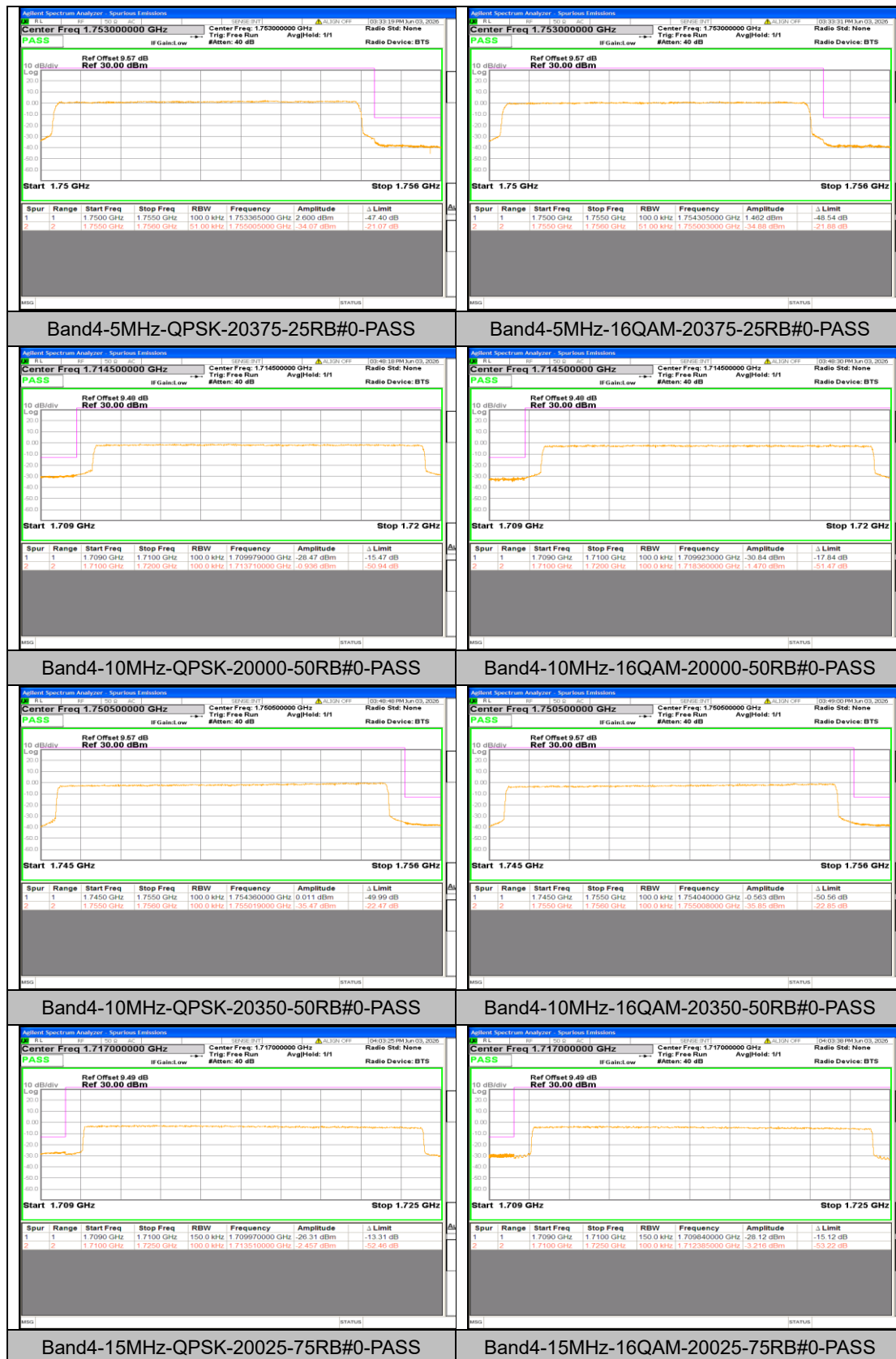
Test Result

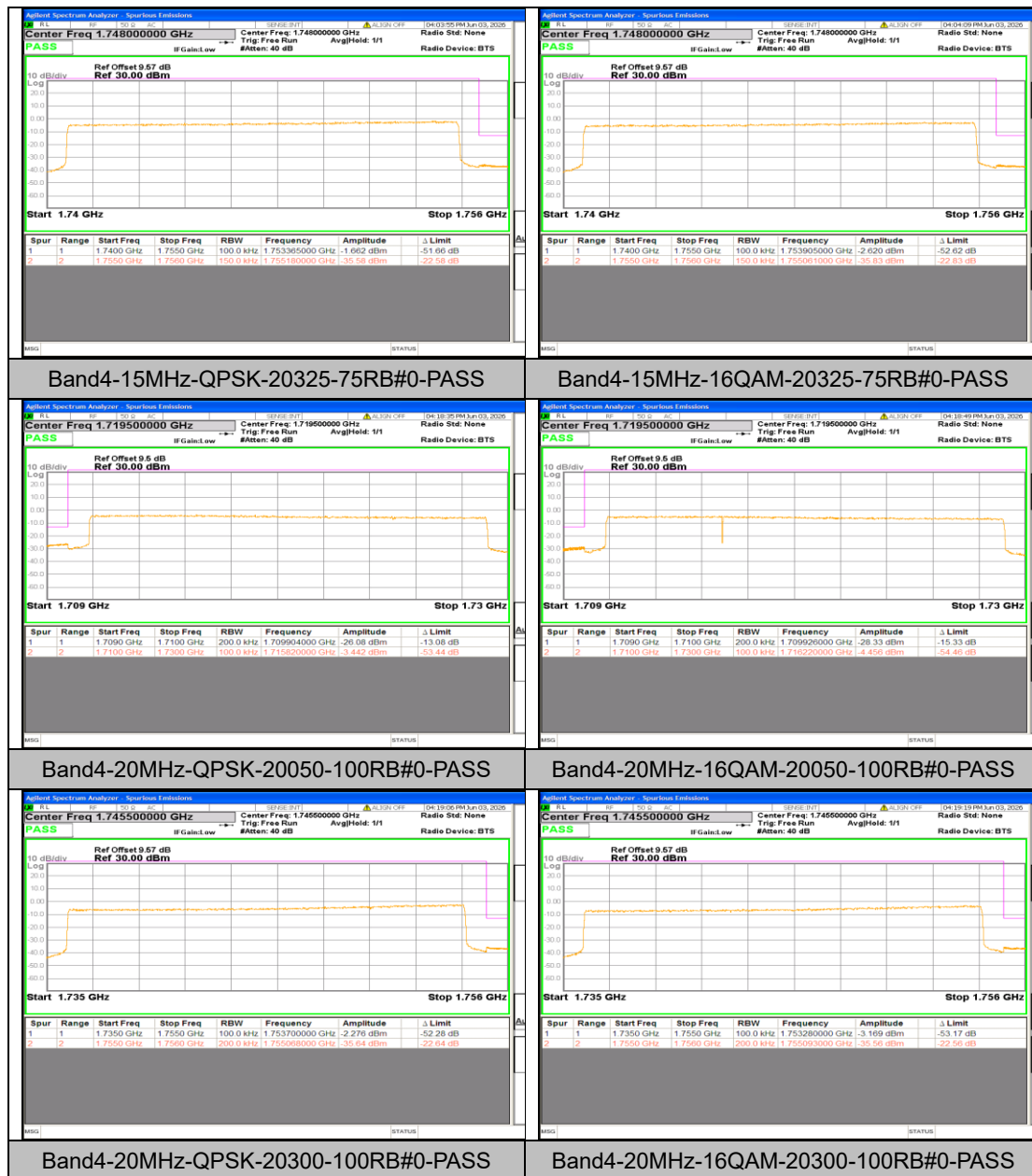
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-23.38	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-27.80	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.24	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.35	PASS
Band4	3MHz	16QAM	19965	15RB#0	-28.80	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.99	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.71	PASS
Band4	5MHz	QPSK	19975	25RB#0	-29.25	PASS
Band4	5MHz	16QAM	19975	25RB#0	-31.20	PASS
Band4	5MHz	QPSK	20375	25RB#0	-34.07	PASS
Band4	5MHz	16QAM	20375	25RB#0	-34.88	PASS
Band4	10MHz	QPSK	20000	50RB#0	-28.47	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.84	PASS
Band4	10MHz	QPSK	20350	50RB#0	-35.47	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.85	PASS
Band4	15MHz	QPSK	20025	75RB#0	-26.31	PASS
Band4	15MHz	16QAM	20025	75RB#0	-28.12	PASS
Band4	15MHz	QPSK	20325	75RB#0	-35.58	PASS
Band4	15MHz	16QAM	20325	75RB#0	-35.83	PASS
Band4	20MHz	QPSK	20050	100RB#0	-26.08	PASS
Band4	20MHz	16QAM	20050	100RB#0	-28.33	PASS
Band4	20MHz	QPSK	20300	100RB#0	-35.64	PASS
Band4	20MHz	16QAM	20300	100RB#0	-35.56	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	0.009~0.15	-60.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	0.15~30	-50.88	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	30~1000	-57.96	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1000~3000	-24.19	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	3000~20000	-38.37	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.009~0.15	-59.53	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.15~30	-49.97	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	30~1000	-57.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1000~3000	-23.47	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	3000~20000	-38.05	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.009~0.15	-59.18	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.15~30	-50.19	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	30~1000	-57.38	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1000~3000	-48.03	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	3000~20000	-38.14	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.009~0.15	-56.42	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.15~30	-51.28	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	30~1000	-57.63	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1000~3000	-47.75	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	3000~20000	-38.31	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.009~0.15	-59.21	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.15~30	-50.74	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	30~1000	-58.35	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1000~3000	-27.18	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3000~20000	-38.32	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.009~0.15	-59.89	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.15~30	-50.93	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	30~1000	-56.74	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1000~3000	-28.81	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	3000~20000	-38.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.009~0.15	-59.61	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.15~30	-51.89	PASS
Band4	3MHz	QPSK	19965	15RB#0	30~1000	-58.10	PASS
Band4	3MHz	QPSK	19965	15RB#0	1000~3000	-16.97	PASS
Band4	3MHz	QPSK	19965	15RB#0	3000~20000	-38.14	PASS
Band4	3MHz	16QAM	19965	15RB#0	0.009~0.15	-59.20	PASS

Band4	3MHz	16QAM	19965	15RB#0	0.15~30	-52.59	PASS
Band4	3MHz	16QAM	19965	15RB#0	30~1000	-57.34	PASS
Band4	3MHz	16QAM	19965	15RB#0	1000~3000	-19.73	PASS
Band4	3MHz	16QAM	19965	15RB#0	3000~20000	-38.12	PASS
Band4	3MHz	QPSK	20175	15RB#0	0.009~0.15	-58.06	PASS
Band4	3MHz	QPSK	20175	15RB#0	0.15~30	-51.22	PASS
Band4	3MHz	QPSK	20175	15RB#0	30~1000	-57.43	PASS
Band4	3MHz	QPSK	20175	15RB#0	1000~3000	-47.73	PASS
Band4	3MHz	QPSK	20175	15RB#0	3000~20000	-37.93	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.009~0.15	-58.41	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.15~30	-51.87	PASS
Band4	3MHz	16QAM	20175	15RB#0	30~1000	-57.90	PASS
Band4	3MHz	16QAM	20175	15RB#0	1000~3000	-46.53	PASS
Band4	3MHz	16QAM	20175	15RB#0	3000~20000	-37.51	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.009~0.15	-57.46	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.15~30	-52.92	PASS
Band4	3MHz	QPSK	20385	15RB#0	30~1000	-58.38	PASS
Band4	3MHz	QPSK	20385	15RB#0	1000~3000	-24.69	PASS
Band4	3MHz	QPSK	20385	15RB#0	3000~20000	-38.31	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.009~0.15	-59.72	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.15~30	-50.69	PASS
Band4	3MHz	16QAM	20385	15RB#0	30~1000	-58.25	PASS
Band4	3MHz	16QAM	20385	15RB#0	1000~3000	-24.02	PASS
Band4	3MHz	16QAM	20385	15RB#0	3000~20000	-38.42	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.009~0.15	-60.10	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.15~30	-51.94	PASS
Band4	5MHz	QPSK	19975	25RB#0	30~1000	-58.36	PASS
Band4	5MHz	QPSK	19975	25RB#0	1000~3000	-17.84	PASS
Band4	5MHz	QPSK	19975	25RB#0	3000~20000	-38.28	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.009~0.15	-58.92	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.15~30	-51.12	PASS
Band4	5MHz	16QAM	19975	25RB#0	30~1000	-57.83	PASS
Band4	5MHz	16QAM	19975	25RB#0	1000~3000	-19.12	PASS
Band4	5MHz	16QAM	19975	25RB#0	3000~20000	-38.12	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.009~0.15	-58.95	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.15~30	-51.14	PASS
Band4	5MHz	QPSK	20175	25RB#0	30~1000	-57.61	PASS
Band4	5MHz	QPSK	20175	25RB#0	1000~3000	-48.04	PASS
Band4	5MHz	QPSK	20175	25RB#0	3000~20000	-37.92	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.009~0.15	-58.47	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.15~30	-51.35	PASS
Band4	5MHz	16QAM	20175	25RB#0	30~1000	-57.50	PASS
Band4	5MHz	16QAM	20175	25RB#0	1000~3000	-46.59	PASS