

Appendix for LTE Band 4

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Appendix A: Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Conducted Power(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	23.29	<30	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	21.59	<30	PASS
Band4	1.4MHz	19957	QPSK	1	5	Low	22.83	<30	PASS
Band4	1.4MHz	19957	16QAM	1	5	Low	21.71	<30	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	21.55	<30	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	21.56	<30	PASS
Band4	3MHz	19965	QPSK	1	0	Low	22.74	<30	PASS
Band4	3MHz	19965	16QAM	1	0	Low	22.26	<30	PASS
Band4	3MHz	19965	QPSK	1	5	Low	22.95	<30	PASS
Band4	3MHz	19965	16QAM	1	5	Low	22.37	<30	PASS
Band4	3MHz	19965	QPSK	6	0	Low	20.96	<30	PASS
Band4	3MHz	19965	16QAM	6	0	Low	20.97	<30	PASS
Band4	5MHz	19975	QPSK	1	0	Low	22.66	<30	PASS
Band4	5MHz	19975	16QAM	1	0	Low	21.65	<30	PASS
Band4	5MHz	19975	QPSK	1	5	Low	22.61	<30	PASS
Band4	5MHz	19975	16QAM	1	5	Low	21.85	<30	PASS
Band4	5MHz	19975	QPSK	6	0	Low	21.91	<30	PASS
Band4	5MHz	19975	16QAM	6	0	Low	21.91	<30	PASS
Band4	10MHz	20000	QPSK	1	0	Low	22.69	<30	PASS
Band4	10MHz	20000	16QAM	1	0	Low	21.71	<30	PASS
Band4	10MHz	20000	QPSK	1	5	Low	22.70	<30	PASS
Band4	10MHz	20000	16QAM	1	5	Low	21.83	<30	PASS
Band4	10MHz	20000	QPSK	6	0	Low	21.90	<30	PASS
Band4	10MHz	20000	16QAM	6	0	Low	21.91	<30	PASS
Band4	15MHz	20025	QPSK	1	0	Low	22.82	<30	PASS
Band4	15MHz	20025	16QAM	1	0	Low	21.97	<30	PASS
Band4	15MHz	20025	QPSK	1	5	Low	22.91	<30	PASS
Band4	15MHz	20025	16QAM	1	5	Low	22.27	<30	PASS
Band4	15MHz	20025	QPSK	6	0	Low	22.90	<30	PASS

Band4	15MHz	20025	16QAM	6	0	Low	22.93	<30	PASS
Band4	20MHz	20050	QPSK	1	0	Low	22.70	<30	PASS
Band4	20MHz	20050	16QAM	1	0	Low	21.78	<30	PASS
Band4	20MHz	20050	QPSK	1	5	Low	22.66	<30	PASS
Band4	20MHz	20050	16QAM	1	5	Low	21.87	<30	PASS
Band4	20MHz	20050	QPSK	6	0	Low	22.93	<30	PASS
Band4	20MHz	20050	16QAM	6	0	Low	22.92	<30	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	23.13	<30	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	22.28	<30	PASS
Band4	1.4MHz	20175	QPSK	1	5	Low	23.37	<30	PASS
Band4	1.4MHz	20175	16QAM	1	5	Low	22.39	<30	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	21.28	<30	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	21.29	<30	PASS
Band4	3MHz	20175	QPSK	1	0	Low	23.16	<30	PASS
Band4	3MHz	20175	16QAM	1	0	Low	22.28	<30	PASS
Band4	3MHz	20175	QPSK	1	5	Low	23.28	<30	PASS
Band4	3MHz	20175	16QAM	1	5	Low	22.38	<30	PASS
Band4	3MHz	20175	QPSK	6	0	Low	21.27	<30	PASS
Band4	3MHz	20175	16QAM	6	0	Low	21.26	<30	PASS
Band4	5MHz	20175	QPSK	1	0	Low	22.89	<30	PASS
Band4	5MHz	20175	16QAM	1	0	Low	22.02	<30	PASS
Band4	5MHz	20175	QPSK	1	5	Low	22.96	<30	PASS
Band4	5MHz	20175	16QAM	1	5	Low	22.18	<30	PASS
Band4	5MHz	20175	QPSK	6	0	Low	22.19	<30	PASS
Band4	5MHz	20175	16QAM	6	0	Low	22.19	<30	PASS
Band4	10MHz	20175	QPSK	1	0	Low	23.02	<30	PASS
Band4	10MHz	20175	16QAM	1	0	Low	22.23	<30	PASS
Band4	10MHz	20175	QPSK	1	5	Low	23.08	<30	PASS
Band4	10MHz	20175	16QAM	1	5	Low	22.47	<30	PASS
Band4	10MHz	20175	QPSK	6	0	Low	22.20	<30	PASS
Band4	10MHz	20175	16QAM	6	0	Low	22.08	<30	PASS
Band4	15MHz	20175	QPSK	1	0	Low	22.96	<30	PASS
Band4	15MHz	20175	16QAM	1	0	Low	22.15	<30	PASS
Band4	15MHz	20175	QPSK	1	5	Low	23.12	<30	PASS
Band4	15MHz	20175	16QAM	1	5	Low	22.37	<30	PASS
Band4	15MHz	20175	QPSK	6	0	Low	23.12	<30	PASS
Band4	15MHz	20175	16QAM	6	0	Low	23.11	<30	PASS
Band4	20MHz	20175	QPSK	1	0	Low	22.77	<30	PASS
Band4	20MHz	20175	16QAM	1	0	Low	21.85	<30	PASS
Band4	20MHz	20175	QPSK	1	5	Low	22.78	<30	PASS
Band4	20MHz	20175	16QAM	1	5	Low	21.95	<30	PASS

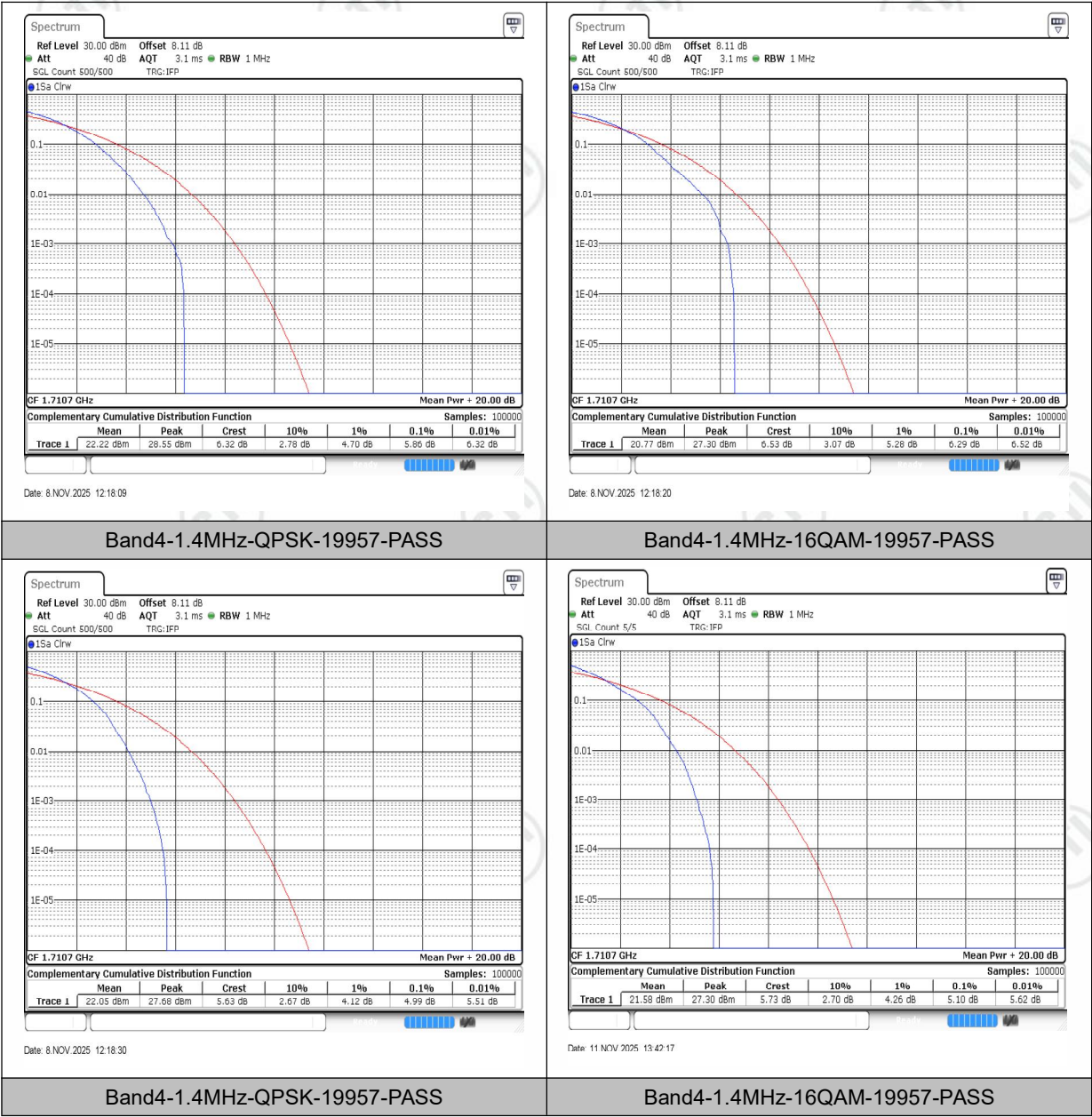
Band4	20MHz	20175	QPSK	6	0	Low	22.99	<30	PASS
Band4	20MHz	20175	16QAM	6	0	Low	22.98	<30	PASS
Band4	1.4MHz	20393	QPSK	1	0	High	23.23	<30	PASS
Band4	1.4MHz	20393	16QAM	1	0	High	22.40	<30	PASS
Band4	1.4MHz	20393	QPSK	1	5	High	23.39	<30	PASS
Band4	1.4MHz	20393	16QAM	1	5	High	22.48	<30	PASS
Band4	1.4MHz	20393	QPSK	6	0	High	21.42	<30	PASS
Band4	1.4MHz	20393	16QAM	6	0	High	21.41	<30	PASS
Band4	3MHz	20385	QPSK	1	0	High	0.00	<30	PASS
Band4	3MHz	20385	16QAM	1	0	High	0.00	<30	PASS
Band4	3MHz	20385	QPSK	1	5	High	0.00	<30	PASS
Band4	3MHz	20385	16QAM	1	5	High	22.43	<30	PASS
Band4	3MHz	20385	QPSK	6	0	High	21.41	<30	PASS
Band4	3MHz	20385	16QAM	6	0	High	21.40	<30	PASS
Band4	5MHz	20375	QPSK	1	0	High	23.23	<30	PASS
Band4	5MHz	20375	16QAM	1	0	High	22.40	<30	PASS
Band4	5MHz	20375	QPSK	1	5	High	23.33	<30	PASS
Band4	5MHz	20375	16QAM	1	5	High	22.67	<30	PASS
Band4	5MHz	20375	QPSK	6	0	High	22.34	<30	PASS
Band4	5MHz	20375	16QAM	6	0	High	22.34	<30	PASS
Band4	10MHz	20350	QPSK	1	0	High	22.98	<30	PASS
Band4	10MHz	20350	16QAM	1	0	High	22.10	<30	PASS
Band4	10MHz	20350	QPSK	1	5	High	23.02	<30	PASS
Band4	10MHz	20350	16QAM	1	5	High	22.22	<30	PASS
Band4	10MHz	20350	QPSK	6	0	High	22.35	<30	PASS
Band4	10MHz	20350	16QAM	6	0	High	22.35	<30	PASS
Band4	15MHz	20325	QPSK	1	0	High	23.05	<30	PASS
Band4	15MHz	20325	16QAM	1	0	High	22.15	<30	PASS
Band4	15MHz	20325	QPSK	1	5	High	22.99	<30	PASS
Band4	15MHz	20325	16QAM	1	5	High	22.22	<30	PASS
Band4	15MHz	20325	QPSK	6	0	High	23.29	<30	PASS
Band4	15MHz	20325	16QAM	6	0	High	23.28	<30	PASS
Band4	20MHz	20300	QPSK	1	0	High	23.20	<30	PASS
Band4	20MHz	20300	16QAM	1	0	High	22.37	<30	PASS
Band4	20MHz	20300	QPSK	1	5	High	23.30	<30	PASS
Band4	20MHz	20300	16QAM	1	5	High	22.63	<30	PASS
Band4	20MHz	20300	QPSK	6	0	High	23.27	<30	PASS
Band4	20MHz	20300	16QAM	6	0	High	23.26	<30	PASS

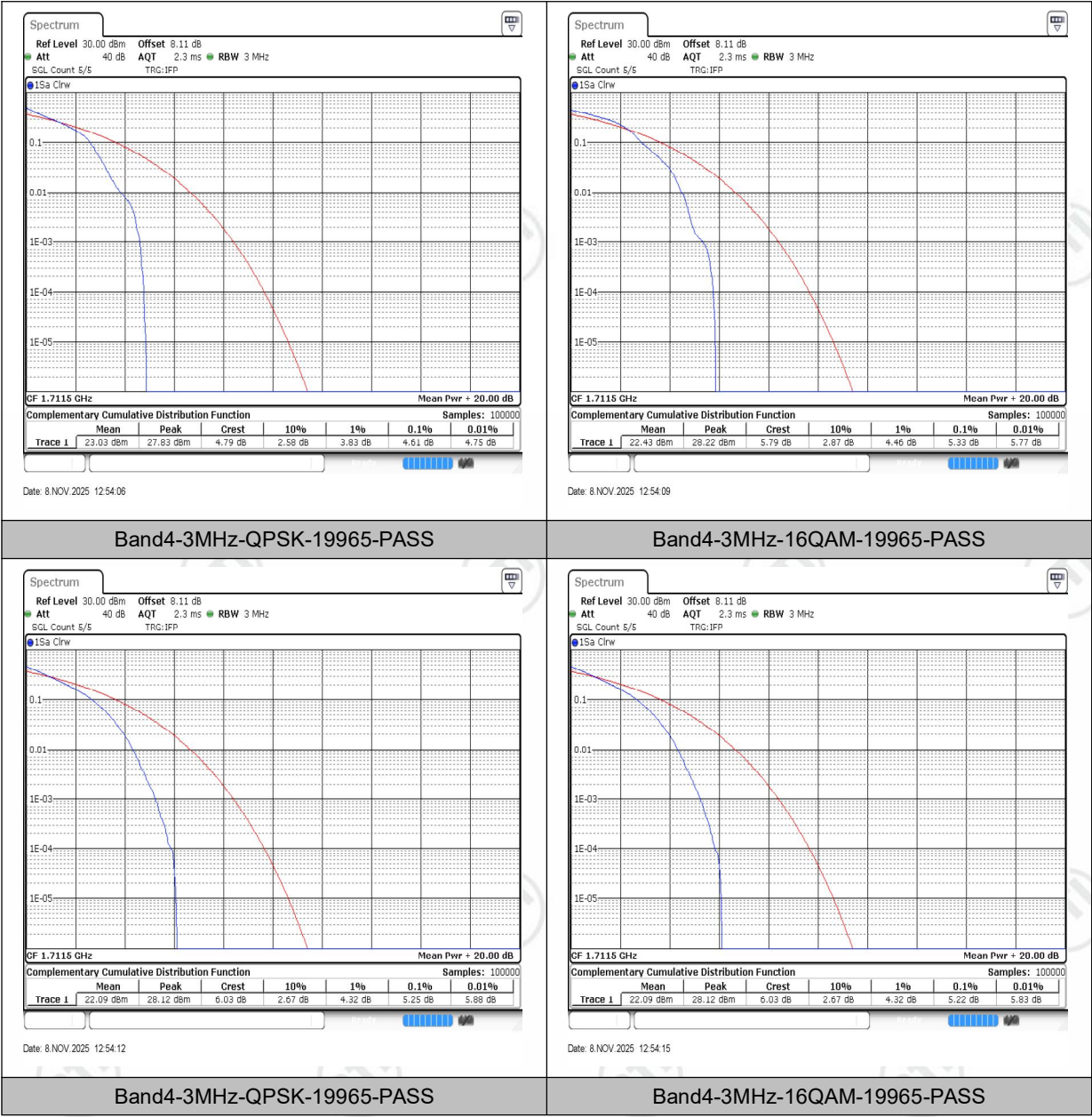
Appendix B: Peak-to-Average Ratio(CCDF) for M1**Test Result**

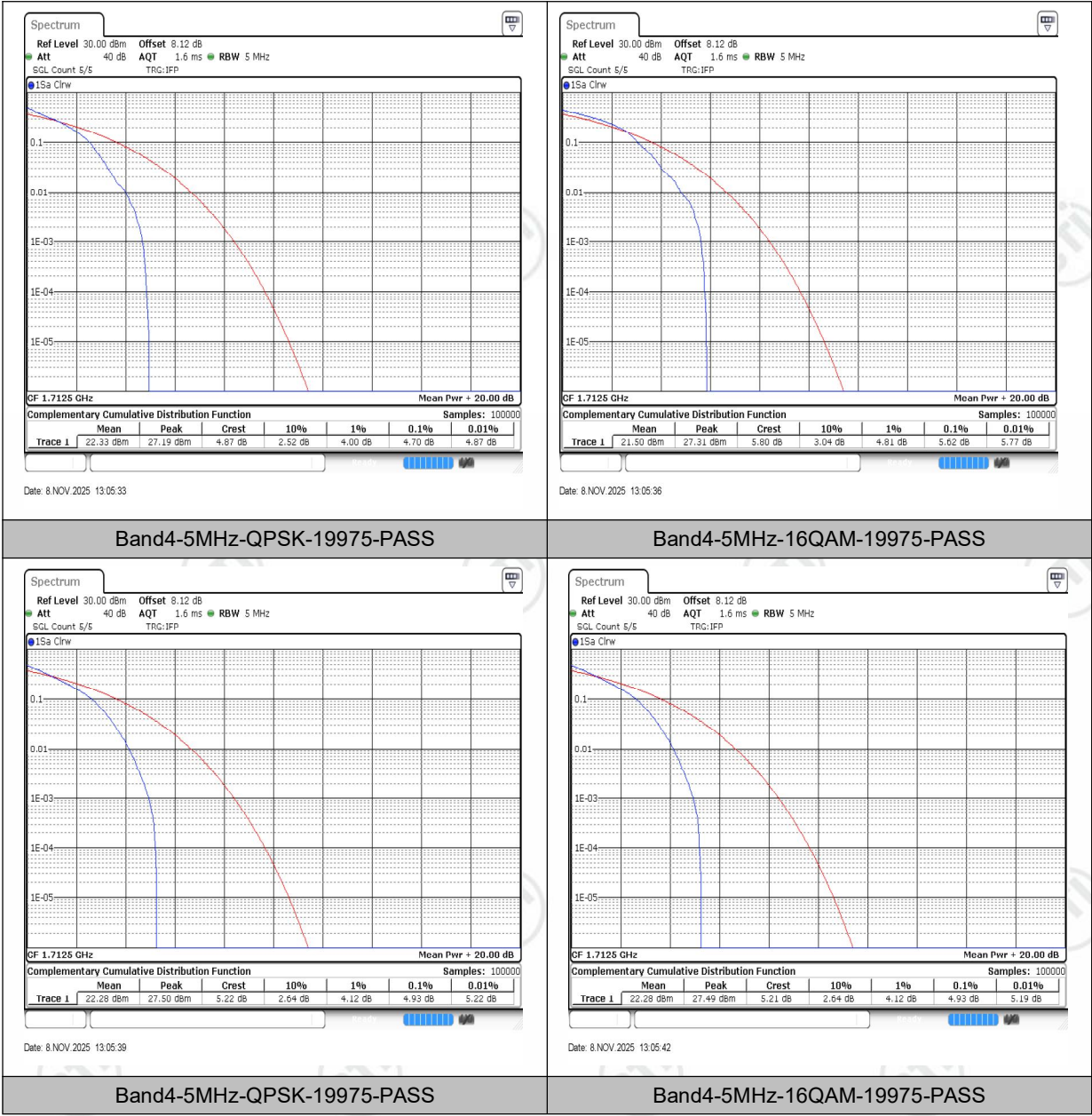
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	5.86	<=13	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	6.29	<=13	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	4.99	<=13	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	5.10	<=13	PASS
Band4	3MHz	19965	QPSK	1	0	Low	4.61	<=13	PASS
Band4	3MHz	19965	16QAM	1	0	Low	5.33	<=13	PASS
Band4	3MHz	19965	QPSK	6	0	Low	5.25	<=13	PASS
Band4	3MHz	19965	16QAM	6	0	Low	5.22	<=13	PASS
Band4	5MHz	19975	QPSK	1	0	Low	4.70	<=13	PASS
Band4	5MHz	19975	16QAM	1	0	Low	5.62	<=13	PASS
Band4	5MHz	19975	QPSK	6	0	Low	4.93	<=13	PASS
Band4	5MHz	19975	16QAM	6	0	Low	4.93	<=13	PASS
Band4	10MHz	20000	QPSK	1	0	Low	4.61	<=13	PASS
Band4	10MHz	20000	16QAM	1	0	Low	5.57	<=13	PASS
Band4	10MHz	20000	QPSK	6	0	Low	4.87	<=13	PASS
Band4	10MHz	20000	16QAM	6	0	Low	4.87	<=13	PASS
Band4	15MHz	20025	QPSK	1	0	Low	4.46	<=13	PASS
Band4	15MHz	20025	16QAM	1	0	Low	5.94	<=13	PASS
Band4	15MHz	20025	QPSK	6	0	Low	4.78	<=13	PASS
Band4	15MHz	20025	16QAM	6	0	Low	4.78	<=13	PASS
Band4	20MHz	20050	QPSK	1	0	Low	4.61	<=13	PASS
Band4	20MHz	20050	16QAM	1	0	Low	5.57	<=13	PASS
Band4	20MHz	20050	QPSK	6	0	Low	4.81	<=13	PASS
Band4	20MHz	20050	16QAM	6	0	Low	4.81	<=13	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	4.32	<=13	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	5.57	<=13	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	5.04	<=13	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	5.04	<=13	PASS
Band4	3MHz	20175	QPSK	1	0	Low	4.03	<=13	PASS
Band4	3MHz	20175	16QAM	1	0	Low	5.42	<=13	PASS
Band4	3MHz	20175	QPSK	6	0	Low	4.99	<=13	PASS
Band4	3MHz	20175	16QAM	6	0	Low	4.99	<=13	PASS
Band4	5MHz	20175	QPSK	1	0	Low	4.55	<=13	PASS

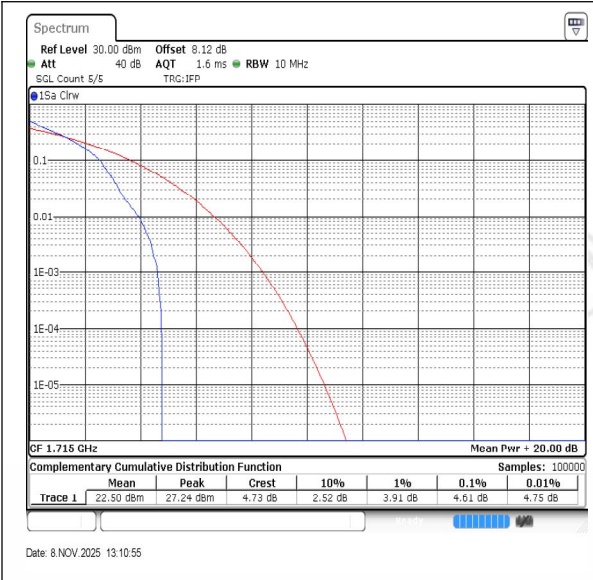
Band4	5MHz	20175	16QAM	1	0	Low	5.51	<=13	PASS
Band4	5MHz	20175	QPSK	6	0	Low	4.81	<=13	PASS
Band4	5MHz	20175	16QAM	6	0	Low	4.84	<=13	PASS
Band4	10MHz	20175	QPSK	1	0	Low	4.38	<=13	PASS
Band4	10MHz	20175	16QAM	1	0	Low	5.80	<=13	PASS
Band4	10MHz	20175	QPSK	6	0	Low	4.84	<=13	PASS
Band4	10MHz	20175	16QAM	6	0	Low	4.81	<=13	PASS
Band4	15MHz	20175	QPSK	1	0	Low	4.46	<=13	PASS
Band4	15MHz	20175	16QAM	1	0	Low	5.94	<=13	PASS
Band4	15MHz	20175	QPSK	6	0	Low	4.75	<=13	PASS
Band4	15MHz	20175	16QAM	6	0	Low	4.75	<=13	PASS
Band4	20MHz	20175	QPSK	1	0	Low	4.64	<=13	PASS
Band4	20MHz	20175	16QAM	1	0	Low	5.59	<=13	PASS
Band4	20MHz	20175	QPSK	6	0	Low	4.81	<=13	PASS
Band4	20MHz	20175	16QAM	6	0	Low	4.81	<=13	PASS
Band4	1.4MHz	20393	QPSK	1	0	High	4.14	<=13	PASS
Band4	1.4MHz	20393	16QAM	1	0	High	5.39	<=13	PASS
Band4	1.4MHz	20393	QPSK	6	0	High	4.93	<=13	PASS
Band4	1.4MHz	20393	16QAM	6	0	High	4.93	<=13	PASS
Band4	3MHz	20385	QPSK	1	0	High	3.77	<=13	PASS
Band4	3MHz	20385	16QAM	1	0	High	5.22	<=13	PASS
Band4	3MHz	20385	QPSK	6	0	High	4.87	<=13	PASS
Band4	3MHz	20385	16QAM	6	0	High	4.87	<=13	PASS
Band4	5MHz	20375	QPSK	1	0	High	3.80	<=13	PASS
Band4	5MHz	20375	16QAM	1	0	High	5.51	<=13	PASS
Band4	5MHz	20375	QPSK	6	0	High	4.58	<=13	PASS
Band4	5MHz	20375	16QAM	6	0	High	4.58	<=13	PASS
Band4	10MHz	20350	QPSK	1	0	High	4.17	<=13	PASS
Band4	10MHz	20350	16QAM	1	0	High	5.25	<=13	PASS
Band4	10MHz	20350	QPSK	6	0	High	4.64	<=13	PASS
Band4	10MHz	20350	16QAM	6	0	High	4.64	<=13	PASS
Band4	15MHz	20325	QPSK	1	0	High	4.23	<=13	PASS
Band4	15MHz	20325	16QAM	1	0	High	5.25	<=13	PASS
Band4	15MHz	20325	QPSK	6	0	High	4.52	<=13	PASS
Band4	15MHz	20325	16QAM	6	0	High	4.52	<=13	PASS
Band4	20MHz	20300	QPSK	1	0	High	4.12	<=13	PASS
Band4	20MHz	20300	16QAM	1	0	High	5.54	<=13	PASS
Band4	20MHz	20300	QPSK	6	0	High	4.46	<=13	PASS
Band4	20MHz	20300	16QAM	6	0	High	4.46	<=13	PASS

Test Graphs

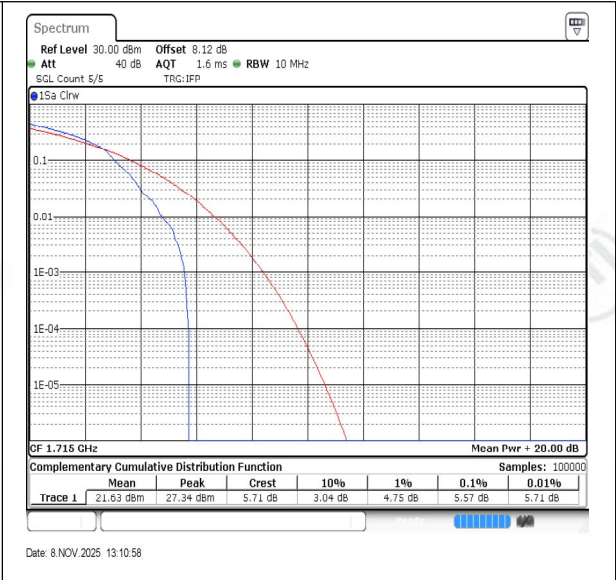




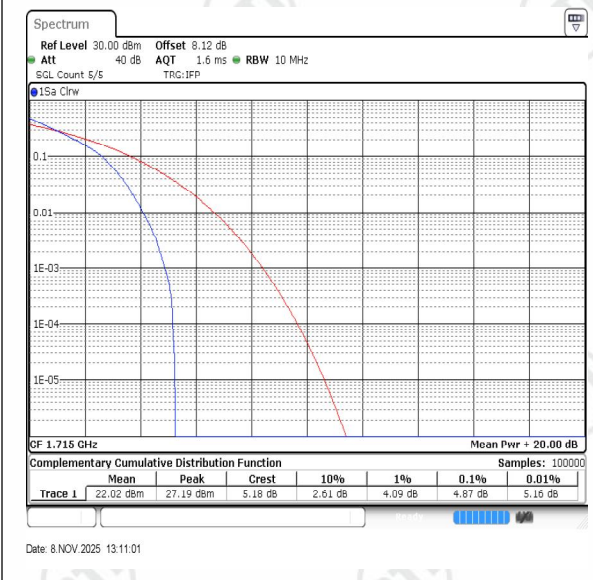




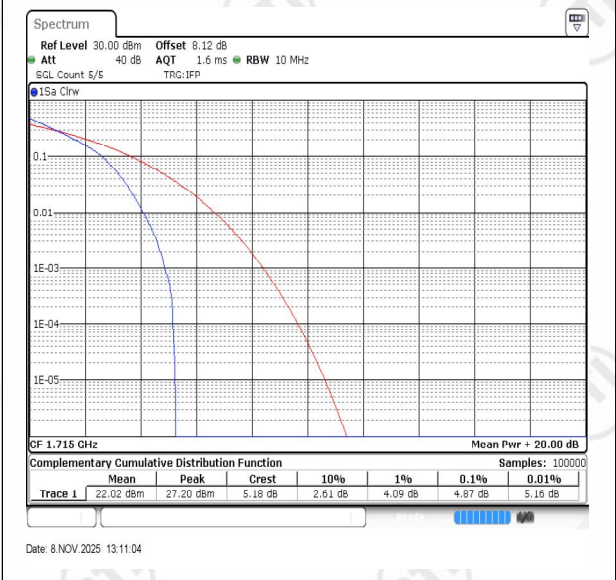
Band4-10MHz-QPSK-20000-PASS



Band4-10MHz-16QAM-20000-PASS



Band4-10MHz-QPSK-20000-PASS



Band4-10MHz-16QAM-20000-PASS

