

Appendix for LTE B4

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.90	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.57	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.60	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.45	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.44	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.37	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.37	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.57	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.46	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.37	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.15	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.25	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.08	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.23	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.75	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.50	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.65	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.41	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.39	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.40	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.36	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.45	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.52	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.44	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.21	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.27	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.20	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.17	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.37	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.24	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.24	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.23	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.24	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.20	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.17	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.01	30	PASS

Band4	1.4MHz	16QAM	20393	1RB#2	22.00	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.92	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.87	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.99	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.83	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.98	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.77	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.69	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.55	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.66	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.66	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.63	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.63	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.67	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.56	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.51	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.60	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.58	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.57	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.58	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.89	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.90	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.90	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.79	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.84	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.82	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.80	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.62	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.94	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.69	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.75	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.75	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.78	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.70	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.84	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.77	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.69	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.81	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.77	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.75	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.79	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.48	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.56	30	PASS

Band4	3MHz	16QAM	20385	1RB#14	21.38	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.64	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.51	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.57	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.54	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.72	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.42	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.37	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.47	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.44	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.35	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.36	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.54	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.30	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.25	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.40	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.37	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.29	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.32	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.64	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.70	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.79	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.60	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.68	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.68	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.64	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.58	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.77	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.82	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.61	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.73	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.70	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.59	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.87	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.67	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.61	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.70	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.69	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.63	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.64	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.54	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.54	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.35	30	PASS

Band4	5MHz	16QAM	20375	12RB#0	21.55	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.51	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.46	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.51	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.78	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.52	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.26	30	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.44	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.50	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.26	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.34	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.69	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.42	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.23	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.37	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.45	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.20	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.31	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.67	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.88	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.96	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.59	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.78	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.80	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.67	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.43	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.92	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.75	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.59	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.78	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.80	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.67	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.92	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.91	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.66	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.83	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.89	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.75	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.80	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.57	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.70	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.36	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.71	30	PASS

Band4	10MHz	16QAM	20350	25RB#12	21.73	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.59	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.65	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.46	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.07	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	20.99	30	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.04	30	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.06	30	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.03	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.03	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.37	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.02	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.98	30	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.04	30	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.03	30	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.03	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.98	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.14	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.53	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.48	30	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.40	30	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.49	30	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.38	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.38	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.20	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.55	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.62	30	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.39	30	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.50	30	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.39	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.38	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.77	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.66	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.40	30	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.59	30	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.68	30	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.59	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.59	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.44	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.49	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.09	30	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.59	30	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.53	30	PASS

Band4	15MHz	16QAM	20325	38RB#37	21.59	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.46	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.85	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.51	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.52	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.22	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.19	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.04	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.11	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.78	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.46	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.63	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.20	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.21	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.05	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.10	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.09	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	21.60	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.66	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.21	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.51	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.52	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.33	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.82	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.43	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.50	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.22	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.51	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.55	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.32	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.75	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	21.68	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.53	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.49	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.70	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.56	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.56	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.54	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.60	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.25	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.44	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.58	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.42	30	PASS

Band4	20MHz	16QAM	20300	100RB#0	21.45	30	PASS
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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	4.16	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.58	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.58	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	4.88	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	5.28	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.44	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.98	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.94	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.00	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3.46	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3.40	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	3.70	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.30	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.08	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.56	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.40	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	5.46	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.54	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	6.06	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.14	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.14	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.24	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	3.52	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.46	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.40	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.10	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.52	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.50	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.68	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.56	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.90	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.14	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.28	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.26	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	3.48	13	PASS

Band4	5MHz	16QAM	20375	25RB#0	4.54	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.36	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.32	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.70	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.78	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	5.68	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.58	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	6.38	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.16	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.80	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.40	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.14	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	4.66	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.42	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.66	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.72	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.94	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.62	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.74	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	6.40	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.06	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.16	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.26	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.62	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	4.52	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.28	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.48	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.58	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.10	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.34	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.46	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.88	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.10	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.94	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.70	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.38	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.04	13	PASS

Test Graphs





10:09:52 PM 09/12/2025

Band4-1.4MHz-16QAM-20175-1RB#0-PASS



10:10:07 PM 09/12/2025

Band4-1.4MHz-16QAM-20175-6RB#0-PASS



10:10:17 PM 09/12/2025

Band4-1.4MHz-QPSK-20393-1RB#0-PASS



10:10:32 PM 09/12/2025

Band4-1.4MHz-QPSK-20393-6RB#0-PASS



10:10:24 PM 09/12/2025

Band4-1.4MHz-16QAM-20393-1RB#0-PASS



10:10:40 PM 09/12/2025

Band4-1.4MHz-16QAM-20393-6RB#0-PASS



10:13:32 PM 09/12/2025

Band4-3MHz-QPSK-19965-1RB#0-PASS



10:13:45 PM 09/12/2025

Band4-3MHz-QPSK-19965-15RB#0-PASS



10:13:39 PM 09/12/2025

Band4-3MHz-16QAM-19965-1RB#0-PASS



10:13:52 PM 09/12/2025

Band4-3MHz-16QAM-19965-15RB#0-PASS



10:14:02 PM 09/12/2025

Band4-3MHz-QPSK-20175-1RB#0-PASS



10:14:16 PM 09/12/2025

Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-1RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS



Band4-3MHz-QPSK-20385-1RB#0-PASS



Band4-3MHz-QPSK-20385-15RB#0-PASS



Band4-3MHz-16QAM-20385-1RB#0-PASS



Band4-3MHz-16QAM-20385-15RB#0-PASS



10:17:27 PM 09/12/2025

Band4-5MHz-QPSK-19975-1RB#0-PASS



10:17:36 PM 09/12/2025

Band4-5MHz-QPSK-19975-25RB#0-PASS



10:17:32 PM 09/12/2025

Band4-5MHz-16QAM-19975-1RB#0-PASS



10:17:41 PM 09/12/2025

Band4-5MHz-16QAM-19975-25RB#0-PASS



10:17:50 PM 09/12/2025

Band4-5MHz-QPSK-20175-1RB#0-PASS



10:17:59 PM 09/12/2025

Band4-5MHz-QPSK-20175-25RB#0-PASS



10:17:54 PM 09/12/2025

Band4-5MHz-16QAM-20175-1RB#0-PASS



10:18:04 PM 09/12/2025

Band4-5MHz-16QAM-20175-25RB#0-PASS



10:18:10 PM 09/12/2025

Band4-5MHz-QPSK-20375-1RB#0-PASS



10:18:20 PM 09/12/2025

Band4-5MHz-QPSK-20375-25RB#0-PASS



10:18:15 PM 09/12/2025

Band4-5MHz-16QAM-20375-1RB#0-PASS



10:18:24 PM 09/12/2025

Band4-5MHz-16QAM-20375-25RB#0-PASS



10:21:15 PM 09/12/2025

Band4-10MHz-QPSK-20000-1RB#0-PASS



10:21:22 PM 09/12/2025

Band4-10MHz-QPSK-20000-50RB#0-PASS



10:21:19 PM 09/12/2025

Band4-10MHz-16QAM-20000-1RB#0-PASS



10:21:26 PM 09/12/2025

Band4-10MHz-16QAM-20000-50RB#0-PASS



10:21:34 PM 09/12/2025

Band4-10MHz-QPSK-20175-1RB#0-PASS



10:21:41 PM 09/12/2025

Band4-10MHz-QPSK-20175-50RB#0-PASS



10:21:37 PM 09/12/2025

Band4-10MHz-16QAM-20175-1RB#0-PASS



10:21:45 PM 09/12/2025

Band4-10MHz-16QAM-20175-50RB#0-PASS



10:21:50 PM 09/12/2025

Band4-10MHz-QPSK-20350-1RB#0-PASS



10:21:58 PM 09/12/2025

Band4-10MHz-QPSK-20350-50RB#0-PASS



10:22:14 PM 09/12/2025

Band4-10MHz-16QAM-20350-1RB#0-PASS



10:22:02 PM 09/12/2025

Band4-10MHz-16QAM-20350-50RB#0-PASS



10:25:10 PM 09/12/2025

Band4-15MHz-QPSK-20025-1RB#0-PASS



10:25:18 PM 09/12/2025

Band4-15MHz-QPSK-20025-75RB#0-PASS



10:25:15 PM 09/12/2025

Band4-15MHz-16QAM-20025-1RB#0-PASS



10:25:23 PM 09/12/2025

Band4-15MHz-16QAM-20025-75RB#0-PASS



10:25:31 PM 09/12/2025

Band4-15MHz-QPSK-20175-1RB#0-PASS



10:25:39 PM 09/12/2025

Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-1RB#0-PASS



Band4-15MHz-16QAM-20175-75RB#0-PASS



Band4-15MHz-QPSK-20325-1RB#0-PASS



Band4-15MHz-QPSK-20325-75RB#0-PASS



Band4-15MHz-16QAM-20325-1RB#0-PASS



Band4-15MHz-16QAM-20325-75RB#0-PASS



10:29:20 PM 09/12/2025

Band4-20MHz-QPSK-20050-1RB#0-PASS



10:29:28 PM 09/12/2025

Band4-20MHz-QPSK-20050-100RB#0-PASS



10:29:25 PM 09/12/2025

Band4-20MHz-16QAM-20050-1RB#0-PASS



10:29:33 PM 09/12/2025

Band4-20MHz-16QAM-20050-100RB#0-PASS



10:29:41 PM 09/12/2025

Band4-20MHz-QPSK-20175-1RB#0-PASS



10:29:49 PM 09/12/2025

Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-1RB#0-PASS



Band4-20MHz-16QAM-20175-100RB#0-PASS



Band4-20MHz-QPSK-20300-1RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20300-1RB#0-PASS



Band4-20MHz-16QAM-20300-100RB#0-PASS

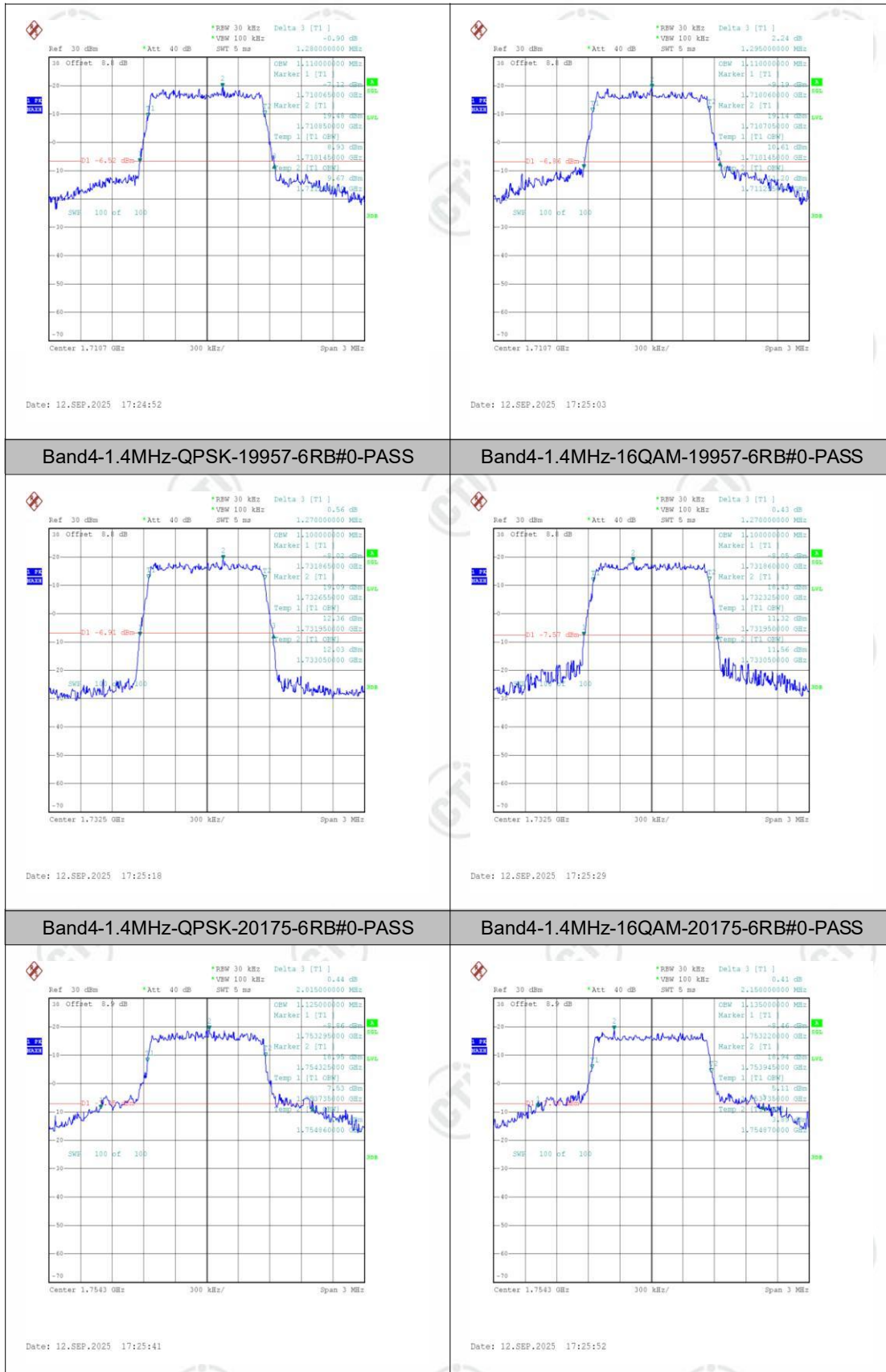
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

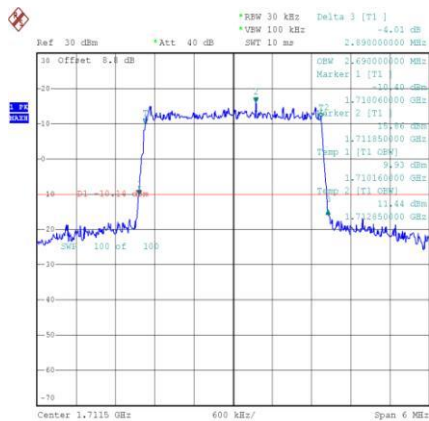
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.11	1.28	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.11	1.30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1	1.27	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1	1.27	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.125	2.02	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.135	2.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.69	2.89	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.68	2.89	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.69	2.89	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.68	2.87	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7	4.53	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7	3.94	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5	4.86	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5	4.84	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5	4.85	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5	4.87	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.53	6.32	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.55	8.47	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.067	10.07	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.067	10.07	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.033	10.03	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.067	10.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.133	10.83	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.167	15.73	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.5	14.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.5	14.70	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.5	14.65	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.45	14.75	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.5	14.80	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.55	16.25	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.885	19.53	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.894	19.20	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.891	19.47	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.931	19.40	PASS

Band4	20MHz	QPSK	20300	100RB#0	17.878	19.47	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.91	19.33	PASS

Test Graphs

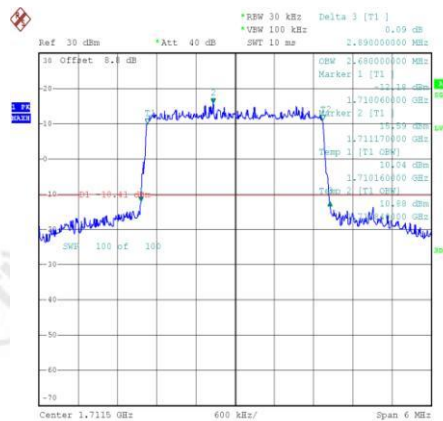


Band4-1.4MHz-QPSK-20393-6RB#0-PASS



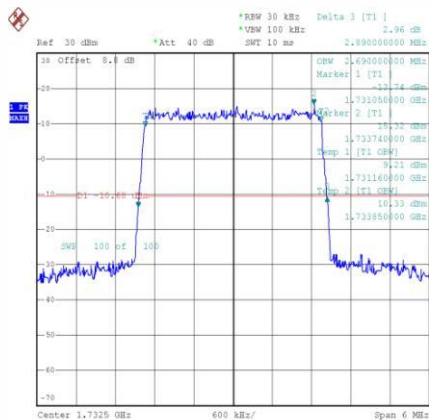
Date: 12.SEP.2025 17:50:04

Band4-1.4MHz-16QAM-20393-6RB#0-PASS



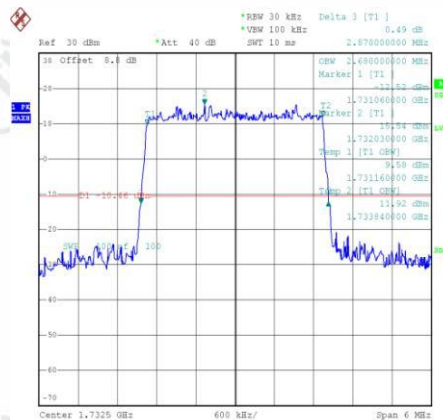
Date: 12.SEP.2025 17:50:17

Band4-3MHz-QPSK-19965-15RB#0-PASS



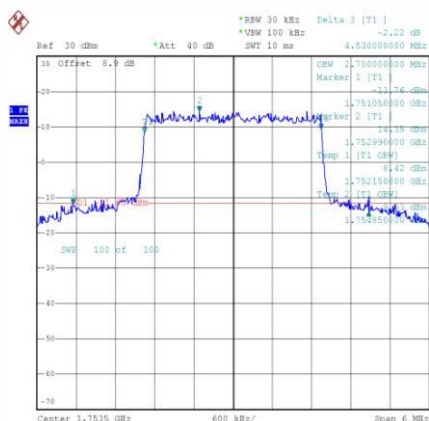
Date: 12.SEP.2025 17:50:32

Band4-3MHz-16QAM-19965-15RB#0-PASS



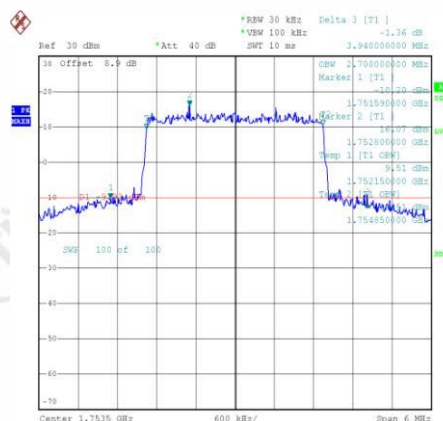
Date: 12.SEP.2025 17:50:45

Band4-3MHz-QPSK-20175-15RB#0-PASS



Date: 12.SEP.2025 17:50:58

Band4-3MHz-16QAM-20175-15RB#0-PASS



Date: 12.SEP.2025 17:51:10

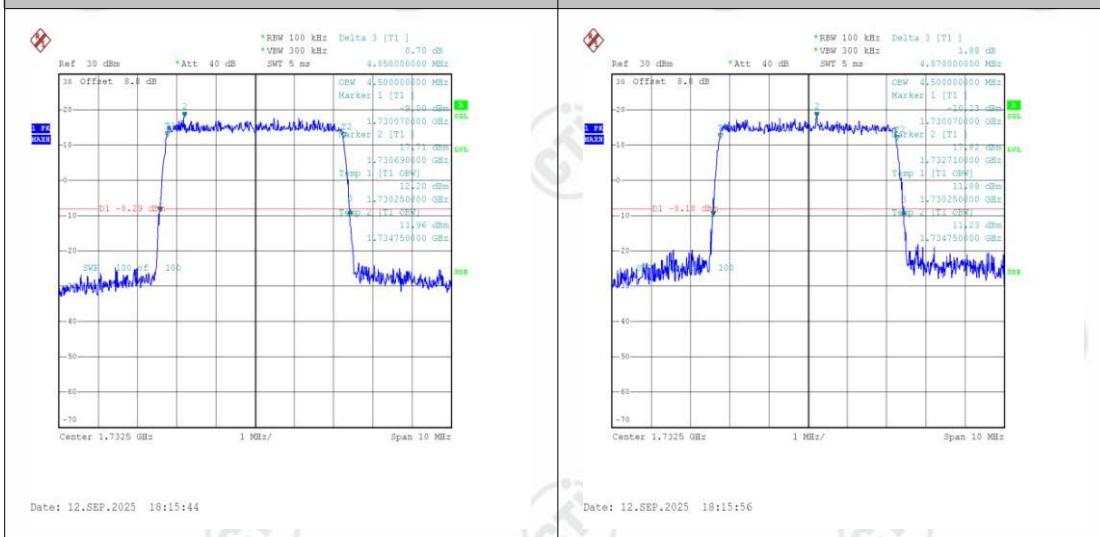
Band4-3MHz-QPSK-20385-15RB#0-PASS

Band4-3MHz-16QAM-20385-15RB#0-PASS



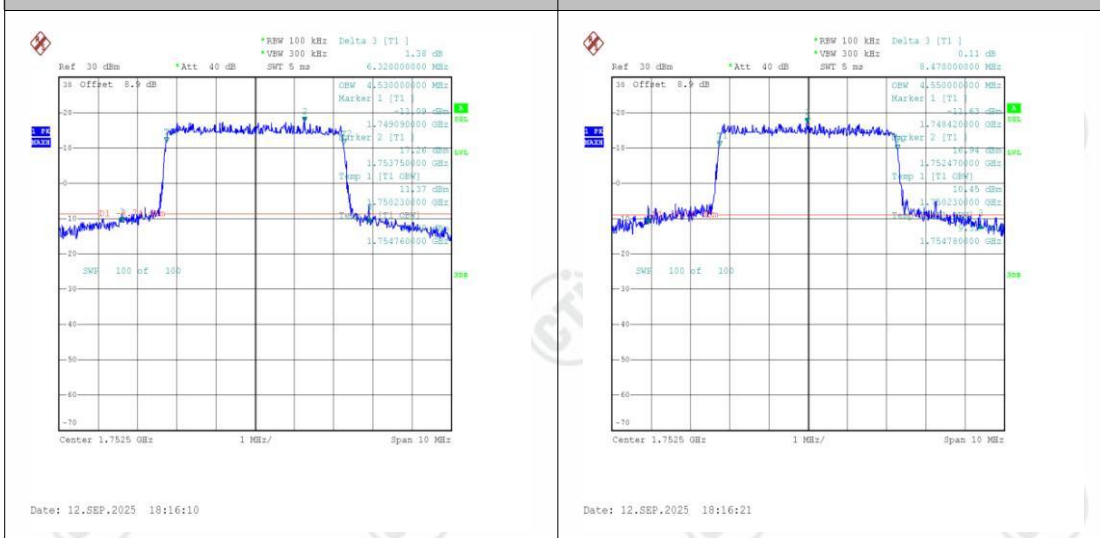
Band4-5MHz-QPSK-19975-25RB#0-PASS

Band4-5MHz-16QAM-19975-25RB#0-PASS



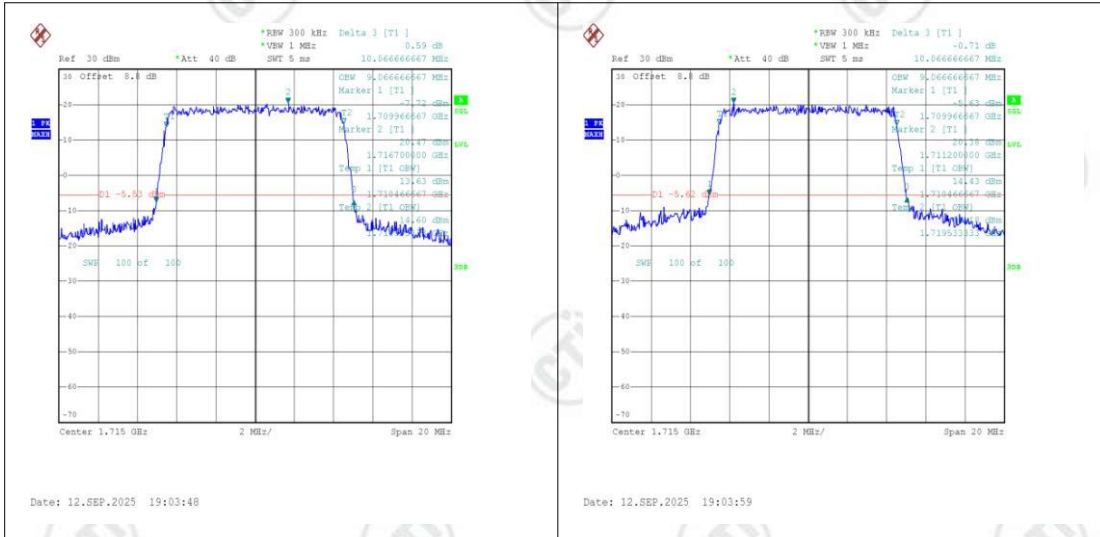
Band4-5MHz-QPSK-20175-25RB#0-PASS

Band4-5MHz-16QAM-20175-25RB#0-PASS



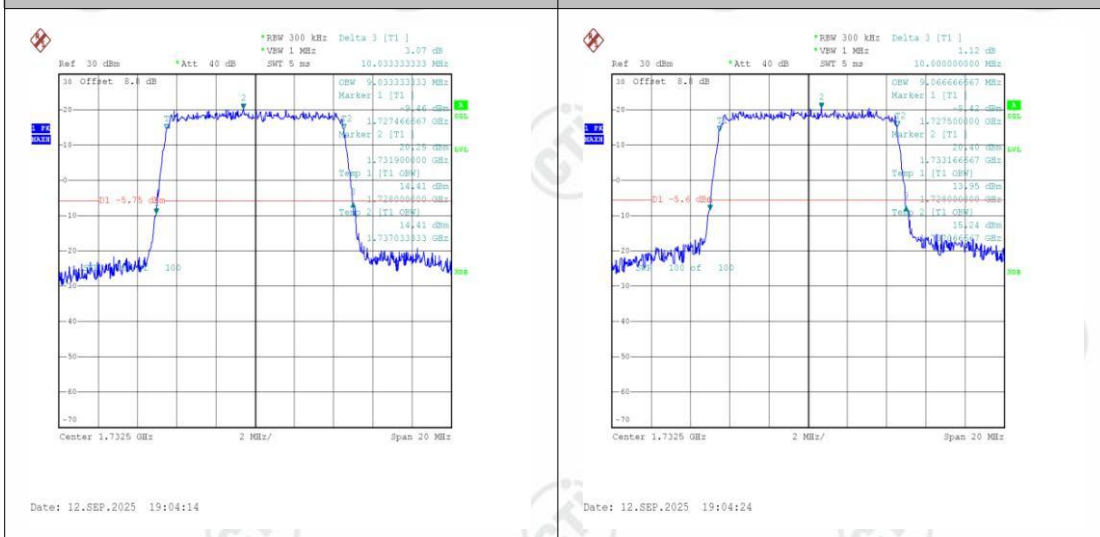
Band4-5MHz-QPSK-20375-25RB#0-PASS

Band4-5MHz-16QAM-20375-25RB#0-PASS



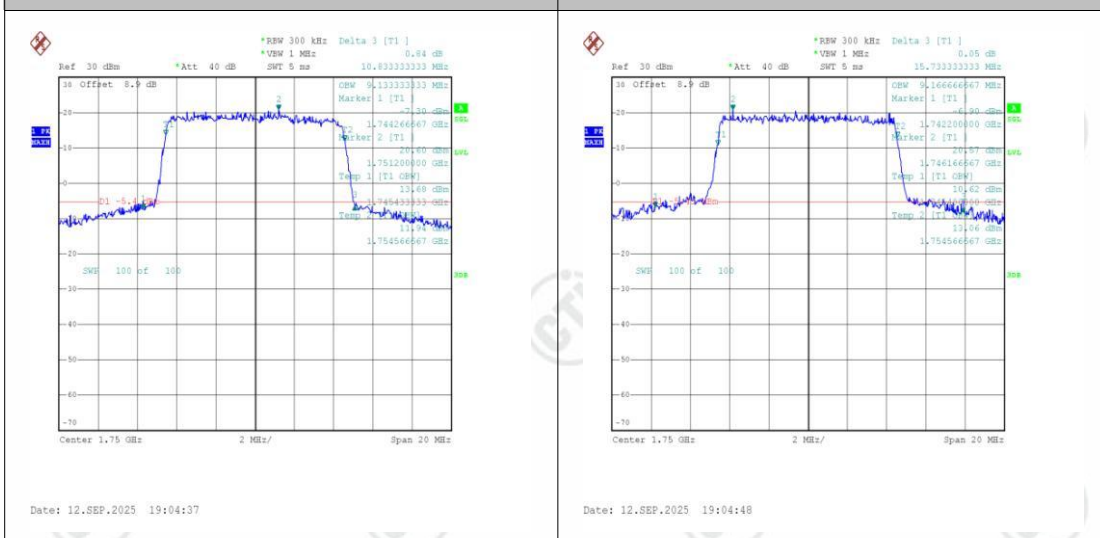
Band4-10MHz-QPSK-20000-50RB#0-PASS

Band4-10MHz-16QAM-20000-50RB#0-PASS



Band4-10MHz-QPSK-20175-50RB#0-PASS

Band4-10MHz-16QAM-20175-50RB#0-PASS



Band4-10MHz-QPSK-20350-50RB#0-PASS

Band4-10MHz-16QAM-20350-50RB#0-PASS

Date: 12.SEP.2025 19:29:44

Date: 12.SEP.2025 19:29:56

Band4-15MHz-QPSK-20025-75RB#0-PASS

Band4-15MHz-16QAM-20025-75RB#0-PASS

Date: 12.SEP.2025 19:30:11

Date: 12.SEP.2025 19:30:23

Band4-15MHz-QPSK-20175-75RB#0-PASS

Band4-15MHz-16QAM-20175-75RB#0-PASS

Date: 12.SEP.2025 19:30:36

Date: 12.SEP.2025 19:30:48

Band4-15MHz-QPSK-20325-75RB#0-PASS

Band4-15MHz-16QAM-20325-75RB#0-PASS



12:58:55 PM 09/13/2025



12:59:02 PM 09/13/2025

Band4-20MHz-QPSK-20050-100RB#0-PASS

Band4-20MHz-16QAM-20050-100RB#0-PASS



12:59:11 PM 09/13/2025



12:59:17 PM 09/13/2025

Band4-20MHz-QPSK-20175-100RB#0-PASS

Band4-20MHz-16QAM-20175-100RB#0-PASS



12:59:24 PM 09/13/2025



12:59:30 PM 09/13/2025

Band4-20MHz-QPSK-20300-100RB#0-PASS

Band4-20MHz-16QAM-20300-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-24.90	11.90	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-42.58	29.58	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-24.29	11.29	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-24.60	11.60	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-41.45	28.45	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-22.07	9.07	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-37.88	24.88	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-21.05	8.05	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-16.66	3.66	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-37.78	24.78	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-21.38	8.38	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-15.73	2.73	PASS
Band4	3MHz	QPSK	19965	1RB#0	-21.84	8.84	PASS
Band4	3MHz	QPSK	19965	1RB#14	-42.51	29.51	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.09	13.09	PASS
Band4	3MHz	16QAM	19965	1RB#0	-20.55	7.55	PASS
Band4	3MHz	16QAM	19965	1RB#14	-42.34	29.34	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.21	11.21	PASS
Band4	3MHz	QPSK	20385	1RB#0	-40.41	27.41	PASS
Band4	3MHz	QPSK	20385	1RB#14	-16.52	3.52	PASS
Band4	3MHz	QPSK	20385	15RB#0	-18.06	5.06	PASS
Band4	3MHz	16QAM	20385	1RB#0	-40.04	27.04	PASS
Band4	3MHz	16QAM	20385	1RB#14	-15.35	2.35	PASS
Band4	3MHz	16QAM	20385	15RB#0	-17.42	4.42	PASS
Band4	5MHz	QPSK	19975	1RB#0	-28.23	15.23	PASS
Band4	5MHz	QPSK	19975	1RB#24	-47.32	34.32	PASS
Band4	5MHz	QPSK	19975	25RB#0	-28.90	15.90	PASS
Band4	5MHz	16QAM	19975	1RB#0	-27.20	14.20	PASS
Band4	5MHz	16QAM	19975	1RB#24	-47.05	34.05	PASS
Band4	5MHz	16QAM	19975	25RB#0	-26.45	13.45	PASS
Band4	5MHz	QPSK	20375	1RB#0	-47.31	34.31	PASS
Band4	5MHz	QPSK	20375	1RB#24	-23.91	10.91	PASS
Band4	5MHz	QPSK	20375	25RB#0	-19.46	6.46	PASS
Band4	5MHz	16QAM	20375	1RB#0	-47.19	34.19	PASS
Band4	5MHz	16QAM	20375	1RB#24	-22.87	9.87	PASS

Band4	5MHz	16QAM	20375	25RB#0	-18.88	5.88	PASS
Band4	10MHz	QPSK	20000	1RB#0	-34.86	21.86	PASS
Band4	10MHz	QPSK	20000	1RB#49	-47.84	34.84	PASS
Band4	10MHz	QPSK	20000	50RB#0	-31.04	18.04	PASS
Band4	10MHz	16QAM	20000	1RB#0	-33.12	20.12	PASS
Band4	10MHz	16QAM	20000	1RB#49	-47.87	34.87	PASS
Band4	10MHz	16QAM	20000	50RB#0	-28.44	15.44	PASS
Band4	10MHz	QPSK	20350	1RB#0	-48.04	35.04	PASS
Band4	10MHz	QPSK	20350	1RB#49	-30.68	17.68	PASS
Band4	10MHz	QPSK	20350	50RB#0	-21.29	8.29	PASS
Band4	10MHz	16QAM	20350	1RB#0	-48.00	35.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	-27.44	14.44	PASS
Band4	10MHz	16QAM	20350	50RB#0	-20.26	7.26	PASS
Band4	15MHz	QPSK	20025	1RB#0	-36.83	23.83	PASS
Band4	15MHz	QPSK	20025	1RB#74	-47.15	34.15	PASS
Band4	15MHz	QPSK	20025	75RB#0	-33.04	20.04	PASS
Band4	15MHz	16QAM	20025	1RB#0	-35.11	22.11	PASS
Band4	15MHz	16QAM	20025	1RB#74	-47.14	34.14	PASS
Band4	15MHz	16QAM	20025	75RB#0	-30.89	17.89	PASS
Band4	15MHz	QPSK	20325	1RB#0	-47.04	34.04	PASS
Band4	15MHz	QPSK	20325	1RB#74	-34.84	21.84	PASS
Band4	15MHz	QPSK	20325	75RB#0	-22.46	9.46	PASS
Band4	15MHz	16QAM	20325	1RB#0	-47.06	34.06	PASS
Band4	15MHz	16QAM	20325	1RB#74	-29.07	16.07	PASS
Band4	15MHz	16QAM	20325	75RB#0	-21.30	8.30	PASS
Band4	20MHz	QPSK	20050	1RB#0	-22.30	9.30	PASS
Band4	20MHz	QPSK	20050	1RB#99	-45.92	32.92	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.45	20.45	PASS
Band4	20MHz	16QAM	20050	1RB#0	-22.07	9.07	PASS
Band4	20MHz	16QAM	20050	1RB#99	-45.83	32.83	PASS
Band4	20MHz	16QAM	20050	100RB#0	-31.64	18.64	PASS
Band4	20MHz	QPSK	20300	1RB#0	-46.09	33.09	PASS
Band4	20MHz	QPSK	20300	1RB#99	-22.04	9.04	PASS
Band4	20MHz	QPSK	20300	100RB#0	-26.19	13.19	PASS
Band4	20MHz	16QAM	20300	1RB#0	-46.08	33.08	PASS
Band4	20MHz	16QAM	20300	1RB#99	-21.17	8.17	PASS
Band4	20MHz	16QAM	20300	100RB#0	-24.21	11.21	PASS

Test Graphs

