



APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band CA_48C

1 Effective Radiated Power and Effective Isotropic Radiated Power

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	1RB#0-0RB#0	22.78	22.92	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	1RB#0-0RB#0	22.32	22.46	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	1RB#0-0RB#0	21.04	21.18	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	1RB#0-0RB#0	18.18	18.32	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	21.96	22.10	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	21.23	21.37	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	21.15	21.29	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	19.27	19.41	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	1RB#0-0RB#0	22.46	22.60	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	1RB#0-0RB#0	21.70	21.84	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	1RB#0-0RB#0	20.78	20.92	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	1RB#0-0RB#0	18.02	18.16	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	21.75	21.89	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	20.41	20.55	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	20.82	20.96	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	18.48	18.62	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	1RB#0-0RB#0	22.67	22.81	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	1RB#0-0RB#0	21.80	21.94	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	1RB#0-0RB#0	21.01	21.15	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	1RB#0-0RB#0	17.74	17.88	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.05	22.19	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	20.80	20.94	23	PASS



48-4 8	5MHz-20MHz Z	64QAM-64QAM	56523-566 40	25RB#0-100RB# 0	20.82	20.96	23	PASS
48-4 8	5MHz-20MHz Z	256QAM-256Q AM	56523-566 40	25RB#0-100RB# 0	18.64	18.78	23	PASS
48-4 8	20MHz-5MHz Z	QPSK-QPSK	55340-554 57	1RB#0-0RB#0	22.45	22.59	23	PASS
48-4 8	20MHz-5MHz Z	16QAM-16QAM	55340-554 57	1RB#0-0RB#0	21.94	22.08	23	PASS
48-4 8	20MHz-5MHz Z	64QAM-64QAM	55340-554 57	1RB#0-0RB#0	21.00	21.14	23	PASS
48-4 8	20MHz-5MHz Z	256QAM-256Q AM	55340-554 57	1RB#0-0RB#0	18.31	18.45	23	PASS
48-4 8	20MHz-5MHz Z	QPSK-QPSK	55340-554 57	100RB#0-25RB# 0	22.21	22.35	23	PASS
48-4 8	20MHz-5MHz Z	16QAM-16QAM	55340-554 57	100RB#0-25RB# 0	20.88	21.02	23	PASS
48-4 8	20MHz-5MHz Z	64QAM-64QAM	55340-554 57	100RB#0-25RB# 0	20.93	21.07	23	PASS
48-4 8	20MHz-5MHz Z	256QAM-256Q AM	55340-554 57	100RB#0-25RB# 0	19.11	19.25	23	PASS
48-4 8	20MHz-5MHz Z	QPSK-QPSK	55965-560 82	1RB#0-0RB#0	22.51	22.65	23	PASS
48-4 8	20MHz-5MHz Z	16QAM-16QAM	55965-560 82	1RB#0-0RB#0	21.93	22.07	23	PASS
48-4 8	20MHz-5MHz Z	64QAM-64QAM	55965-560 82	1RB#0-0RB#0	20.68	20.82	23	PASS
48-4 8	20MHz-5MHz Z	256QAM-256Q AM	55965-560 82	1RB#0-0RB#0	17.69	17.83	23	PASS
48-4 8	20MHz-5MHz Z	QPSK-QPSK	55965-560 82	100RB#0-25RB# 0	21.56	21.70	23	PASS
48-4 8	20MHz-5MHz Z	16QAM-16QAM	55965-560 82	100RB#0-25RB# 0	20.50	20.64	23	PASS
48-4 8	20MHz-5MHz Z	64QAM-64QAM	55965-560 82	100RB#0-25RB# 0	20.70	20.84	23	PASS
48-4 8	20MHz-5MHz Z	256QAM-256Q AM	55965-560 82	100RB#0-25RB# 0	18.59	18.73	23	PASS
48-4 8	20MHz-5MHz Z	QPSK-QPSK	56590-567 07	1RB#0-0RB#0	22.81	22.95	23	PASS
48-4 8	20MHz-5MHz Z	16QAM-16QAM	56590-567 07	1RB#0-0RB#0	21.60	21.74	23	PASS
48-4 8	20MHz-5MHz Z	64QAM-64QAM	56590-567 07	1RB#0-0RB#0	20.90	21.04	23	PASS
48-4 8	20MHz-5MHz Z	256QAM-256Q AM	56590-567 07	1RB#0-0RB#0	18.27	18.41	23	PASS
48-4 8	20MHz-5MHz Z	QPSK-QPSK	56590-567 07	100RB#0-25RB# 0	21.89	22.03	23	PASS
48-4 8	20MHz-5MHz Z	16QAM-16QAM	56590-567 07	100RB#0-25RB# 0	20.65	20.79	23	PASS



48-4 8	20MHz-5MHz z	64QAM-64QAM	56590-567 07	100RB#0-25RB# 0	20.66	20.80	23	PASS
48-4 8	20MHz-5MHz z	256QAM-256Q AM	56590-567 07	100RB#0-25RB# 0	18.93	19.07	23	PASS
48-4 8	10MHz-20M Hz	QPSK-QPSK	55295-554 39	1RB#0-0RB#0	20.54	20.68	23	PASS
48-4 8	10MHz-20M Hz	16QAM-16QAM	55295-554 39	1RB#0-0RB#0	21.95	22.09	23	PASS
48-4 8	10MHz-20M Hz	64QAM-64QAM	55295-554 39	1RB#0-0RB#0	21.26	21.40	23	PASS
48-4 8	10MHz-20M Hz	256QAM-256Q AM	55295-554 39	1RB#0-0RB#0	18.40	18.54	23	PASS
48-4 8	10MHz-20M Hz	QPSK-QPSK	55295-554 39	50RB#0-100RB# 0	22.03	22.17	23	PASS
48-4 8	10MHz-20M Hz	16QAM-16QAM	55295-554 39	50RB#0-100RB# 0	20.90	21.04	23	PASS
48-4 8	10MHz-20M Hz	64QAM-64QAM	55295-554 39	50RB#0-100RB# 0	20.96	21.10	23	PASS
48-4 8	10MHz-20M Hz	256QAM-256Q AM	55295-554 39	50RB#0-100RB# 0	19.06	19.20	23	PASS
48-4 8	10MHz-20M Hz	QPSK-QPSK	55896-560 40	1RB#0-0RB#0	22.78	22.92	23	PASS
48-4 8	10MHz-20M Hz	16QAM-16QAM	55896-560 40	1RB#0-0RB#0	21.80	21.94	23	PASS
48-4 8	10MHz-20M Hz	64QAM-64QAM	55896-560 40	1RB#0-0RB#0	21.08	21.22	23	PASS
48-4 8	10MHz-20M Hz	256QAM-256Q AM	55896-560 40	1RB#0-0RB#0	18.08	18.22	23	PASS
48-4 8	10MHz-20M Hz	QPSK-QPSK	55896-560 40	50RB#0-100RB# 0	21.68	21.82	23	PASS
48-4 8	10MHz-20M Hz	16QAM-16QAM	55896-560 40	50RB#0-100RB# 0	20.71	20.85	23	PASS
48-4 8	10MHz-20M Hz	64QAM-64QAM	55896-560 40	50RB#0-100RB# 0	20.82	20.96	23	PASS
48-4 8	10MHz-20M Hz	256QAM-256Q AM	55896-560 40	50RB#0-100RB# 0	18.90	19.04	23	PASS
48-4 8	10MHz-20M Hz	QPSK-QPSK	56496-566 40	1RB#0-0RB#0	20.33	20.47	23	PASS
48-4 8	10MHz-20M Hz	16QAM-16QAM	56496-566 40	1RB#0-0RB#0	21.89	22.03	23	PASS
48-4 8	10MHz-20M Hz	64QAM-64QAM	56496-566 40	1RB#0-0RB#0	20.96	21.10	23	PASS
48-4 8	10MHz-20M Hz	256QAM-256Q AM	56496-566 40	1RB#0-0RB#0	18.11	18.25	23	PASS
48-4 8	10MHz-20M Hz	QPSK-QPSK	56496-566 40	50RB#0-100RB# 0	21.89	22.03	23	PASS
48-4 8	10MHz-20M Hz	16QAM-16QAM	56496-566 40	50RB#0-100RB# 0	21.09	21.23	23	PASS



48-4 8	10MHz-20M Hz	64QAM-64QAM	56496-566 40	50RB#0-100RB# 0	21.05	21.19	23	PASS
48-4 8	10MHz-20M Hz	256QAM-256Q AM	56496-566 40	50RB#0-100RB# 0	19.11	19.25	23	PASS
48-4 8	20MHz-10M Hz	QPSK-QPSK	55340-554 84	1RB#0-0RB#0	22.34	22.48	23	PASS
48-4 8	20MHz-10M Hz	16QAM-16QAM	55340-554 84	1RB#0-0RB#0	22.31	22.45	23	PASS
48-4 8	20MHz-10M Hz	64QAM-64QAM	55340-554 84	1RB#0-0RB#0	21.27	21.41	23	PASS
48-4 8	20MHz-10M Hz	256QAM-256Q AM	55340-554 84	1RB#0-0RB#0	18.19	18.33	23	PASS
48-4 8	20MHz-10M Hz	QPSK-QPSK	55340-554 84	100RB#0-50RB# 0	21.98	22.12	23	PASS
48-4 8	20MHz-10M Hz	16QAM-16QAM	55340-554 84	100RB#0-50RB# 0	20.92	21.06	23	PASS
48-4 8	20MHz-10M Hz	64QAM-64QAM	55340-554 84	100RB#0-50RB# 0	20.85	20.99	23	PASS
48-4 8	20MHz-10M Hz	256QAM-256Q AM	55340-554 84	100RB#0-50RB# 0	19.10	19.24	23	PASS
48-4 8	20MHz-10M Hz	QPSK-QPSK	55941-560 85	1RB#0-0RB#0	22.69	22.83	23	PASS
48-4 8	20MHz-10M Hz	16QAM-16QAM	55941-560 85	1RB#0-0RB#0	21.84	21.98	23	PASS
48-4 8	20MHz-10M Hz	64QAM-64QAM	55941-560 85	1RB#0-0RB#0	20.89	21.03	23	PASS
48-4 8	20MHz-10M Hz	256QAM-256Q AM	55941-560 85	1RB#0-0RB#0	17.59	17.73	23	PASS
48-4 8	20MHz-10M Hz	QPSK-QPSK	55941-560 85	100RB#0-50RB# 0	21.49	21.63	23	PASS
48-4 8	20MHz-10M Hz	16QAM-16QAM	55941-560 85	100RB#0-50RB# 0	20.93	21.07	23	PASS
48-4 8	20MHz-10M Hz	64QAM-64QAM	55941-560 85	100RB#0-50RB# 0	20.81	20.95	23	PASS
48-4 8	20MHz-10M Hz	256QAM-256Q AM	55941-560 85	100RB#0-50RB# 0	18.73	18.87	23	PASS
48-4 8	20MHz-10M Hz	QPSK-QPSK	56541-566 85	1RB#0-0RB#0	22.45	22.59	23	PASS
48-4 8	20MHz-10M Hz	16QAM-16QAM	56541-566 85	1RB#0-0RB#0	21.95	22.09	23	PASS
48-4 8	20MHz-10M Hz	64QAM-64QAM	56541-566 85	1RB#0-0RB#0	21.06	21.20	23	PASS
48-4 8	20MHz-10M Hz	256QAM-256Q AM	56541-566 85	1RB#0-0RB#0	17.98	18.12	23	PASS
48-4 8	20MHz-10M Hz	QPSK-QPSK	56541-566 85	100RB#0-50RB# 0	21.68	21.82	23	PASS
48-4 8	20MHz-10M Hz	16QAM-16QAM	56541-566 85	100RB#0-50RB# 0	20.76	20.90	23	PASS



48-4 8	20MHz-10M Hz	64QAM-64QAM	56541-566 85	100RB#0-50RB# 0	20.91	21.05	23	PASS
48-4 8	20MHz-10M Hz	256QAM-256Q AM	56541-566 85	100RB#0-50RB# 0	18.78	18.92	23	PASS
48-4 8	15MHz-20M Hz	QPSK-QPSK	55318-554 89	1RB#0-0RB#0	22.45	22.59	23	PASS
48-4 8	15MHz-20M Hz	16QAM-16QAM	55318-554 89	1RB#0-0RB#0	22.12	22.26	23	PASS
48-4 8	15MHz-20M Hz	64QAM-64QAM	55318-554 89	1RB#0-0RB#0	21.01	21.15	23	PASS
48-4 8	15MHz-20M Hz	256QAM-256Q AM	55318-554 89	1RB#0-0RB#0	17.92	18.06	23	PASS
48-4 8	15MHz-20M Hz	QPSK-QPSK	55318-554 89	75RB#0-100RB# 0	21.88	22.02	23	PASS
48-4 8	15MHz-20M Hz	16QAM-16QAM	55318-554 89	75RB#0-100RB# 0	21.33	21.47	23	PASS
48-4 8	15MHz-20M Hz	64QAM-64QAM	55318-554 89	75RB#0-100RB# 0	20.87	21.01	23	PASS
48-4 8	15MHz-20M Hz	256QAM-256Q AM	55318-554 89	75RB#0-100RB# 0	18.94	19.08	23	PASS
48-4 8	15MHz-20M Hz	QPSK-QPSK	55893-560 64	1RB#0-0RB#0	22.65	22.79	23	PASS
48-4 8	15MHz-20M Hz	16QAM-16QAM	55893-560 64	1RB#0-0RB#0	21.61	21.75	23	PASS
48-4 8	15MHz-20M Hz	64QAM-64QAM	55893-560 64	1RB#0-0RB#0	20.90	21.04	23	PASS
48-4 8	15MHz-20M Hz	256QAM-256Q AM	55893-560 64	1RB#0-0RB#0	17.64	17.78	23	PASS
48-4 8	15MHz-20M Hz	QPSK-QPSK	55893-560 64	75RB#0-100RB# 0	21.51	21.65	23	PASS
48-4 8	15MHz-20M Hz	16QAM-16QAM	55893-560 64	75RB#0-100RB# 0	20.82	20.96	23	PASS
48-4 8	15MHz-20M Hz	64QAM-64QAM	55893-560 64	75RB#0-100RB# 0	20.58	20.72	23	PASS
48-4 8	15MHz-20M Hz	256QAM-256Q AM	55893-560 64	75RB#0-100RB# 0	18.89	19.03	23	PASS
48-4 8	15MHz-20M Hz	QPSK-QPSK	56469-566 40	1RB#0-0RB#0	20.22	20.36	23	PASS
48-4 8	15MHz-20M Hz	16QAM-16QAM	56469-566 40	1RB#0-0RB#0	21.87	22.01	23	PASS
48-4 8	15MHz-20M Hz	64QAM-64QAM	56469-566 40	1RB#0-0RB#0	21.26	21.40	23	PASS
48-4 8	15MHz-20M Hz	256QAM-256Q AM	56469-566 40	1RB#0-0RB#0	17.98	18.12	23	PASS
48-4 8	15MHz-20M Hz	QPSK-QPSK	56469-566 40	75RB#0-100RB# 0	21.64	21.78	23	PASS
48-4 8	15MHz-20M Hz	16QAM-16QAM	56469-566 40	75RB#0-100RB# 0	20.71	20.85	23	PASS



48-4 8	15MHz-20M Hz	64QAM-64QAM	56469-566 40	75RB#0-100RB# 0	21.11	21.25	23	PASS
48-4 8	15MHz-20M Hz	256QAM-256Q AM	56469-566 40	75RB#0-100RB# 0	18.85	18.99	23	PASS
48-4 8	20MHz-15M Hz	QPSK-QPSK	55340-555 11	1RB#0-0RB#0	22.27	22.41	23	PASS
48-4 8	20MHz-15M Hz	16QAM-16QAM	55340-555 11	1RB#0-0RB#0	22.22	22.36	23	PASS
48-4 8	20MHz-15M Hz	64QAM-64QAM	55340-555 11	1RB#0-0RB#0	21.40	21.54	23	PASS
48-4 8	20MHz-15M Hz	256QAM-256Q AM	55340-555 11	1RB#0-0RB#0	18.02	18.16	23	PASS
48-4 8	20MHz-15M Hz	QPSK-QPSK	55340-555 11	100RB#0-75RB# 0	22.04	22.18	23	PASS
48-4 8	20MHz-15M Hz	16QAM-16QAM	55340-555 11	100RB#0-75RB# 0	21.31	21.45	23	PASS
48-4 8	20MHz-15M Hz	64QAM-64QAM	55340-555 11	100RB#0-75RB# 0	20.86	21.00	23	PASS
48-4 8	20MHz-15M Hz	256QAM-256Q AM	55340-555 11	100RB#0-75RB# 0	19.02	19.16	23	PASS
48-4 8	20MHz-15M Hz	QPSK-QPSK	55916-560 87	1RB#0-0RB#0	22.54	22.68	23	PASS
48-4 8	20MHz-15M Hz	16QAM-16QAM	55916-560 87	1RB#0-0RB#0	21.90	22.04	23	PASS
48-4 8	20MHz-15M Hz	64QAM-64QAM	55916-560 87	1RB#0-0RB#0	20.80	20.94	23	PASS
48-4 8	20MHz-15M Hz	256QAM-256Q AM	55916-560 87	1RB#0-0RB#0	17.92	18.06	23	PASS
48-4 8	20MHz-15M Hz	QPSK-QPSK	55916-560 87	100RB#0-75RB# 0	21.73	21.87	23	PASS
48-4 8	20MHz-15M Hz	16QAM-16QAM	55916-560 87	100RB#0-75RB# 0	20.46	20.60	23	PASS
48-4 8	20MHz-15M Hz	64QAM-64QAM	55916-560 87	100RB#0-75RB# 0	20.46	20.60	23	PASS
48-4 8	20MHz-15M Hz	256QAM-256Q AM	55916-560 87	100RB#0-75RB# 0	18.67	18.81	23	PASS
48-4 8	20MHz-15M Hz	QPSK-QPSK	56491-566 62	1RB#0-0RB#0	22.81	22.95	23	PASS
48-4 8	20MHz-15M Hz	16QAM-16QAM	56491-566 62	1RB#0-0RB#0	21.75	21.89	23	PASS
48-4 8	20MHz-15M Hz	64QAM-64QAM	56491-566 62	1RB#0-0RB#0	21.01	21.15	23	PASS
48-4 8	20MHz-15M Hz	256QAM-256Q AM	56491-566 62	1RB#0-0RB#0	18.22	18.36	23	PASS
48-4 8	20MHz-15M Hz	QPSK-QPSK	56491-566 62	100RB#0-75RB# 0	21.64	21.78	23	PASS
48-4 8	20MHz-15M Hz	16QAM-16QAM	56491-566 62	100RB#0-75RB# 0	20.78	20.92	23	PASS
48-4 8	20MHz-15M Hz	64QAM-64QAM	56491-566 62	100RB#0-75RB# 0	21.07	21.21	23	PASS



48-4 8	20MHz-15M Hz	256QAM-256Q AM	56491-566 62	100RB#0-75RB# 0	19.09	19.23	23	PASS
48-4 8	20MHz-20M Hz	QPSK-QPSK	55340-555 38	1RB#0-0RB#0	22.45	22.59	23	PASS
48-4 8	20MHz-20M Hz	16QAM-16QAM	55340-555 38	1RB#0-0RB#0	22.24	22.38	23	PASS
48-4 8	20MHz-20M Hz	64QAM-64QAM	55340-555 38	1RB#0-0RB#0	21.24	21.38	23	PASS
48-4 8	20MHz-20M Hz	256QAM-256Q AM	55340-555 38	1RB#0-0RB#0	18.32	18.46	23	PASS
48-4 8	20MHz-20M Hz	QPSK-QPSK	55340-555 38	100RB#0-100RB #0	21.87	22.01	23	PASS
48-4 8	20MHz-20M Hz	16QAM-16QAM	55340-555 38	100RB#0-100RB #0	20.90	21.04	23	PASS
48-4 8	20MHz-20M Hz	64QAM-64QAM	55340-555 38	100RB#0-100RB #0	20.87	21.01	23	PASS
48-4 8	20MHz-20M Hz	256QAM-256Q AM	55340-555 38	100RB#0-100RB #0	18.88	19.02	23	PASS
48-4 8	20MHz-20M Hz	QPSK-QPSK	55891-560 89	1RB#0-0RB#0	22.83	22.97	23	PASS
48-4 8	20MHz-20M Hz	16QAM-16QAM	55891-560 89	1RB#0-0RB#0	22.00	22.14	23	PASS
48-4 8	20MHz-20M Hz	64QAM-64QAM	55891-560 89	1RB#0-0RB#0	21.09	21.23	23	PASS
48-4 8	20MHz-20M Hz	256QAM-256Q AM	55891-560 89	1RB#0-0RB#0	17.80	17.94	23	PASS
48-4 8	20MHz-20M Hz	QPSK-QPSK	55891-560 89	100RB#0-100RB #0	21.84	21.98	23	PASS
48-4 8	20MHz-20M Hz	16QAM-16QAM	55891-560 89	100RB#0-100RB #0	20.81	20.95	23	PASS
48-4 8	20MHz-20M Hz	64QAM-64QAM	55891-560 89	100RB#0-100RB #0	20.91	21.05	23	PASS
48-4 8	20MHz-20M Hz	256QAM-256Q AM	55891-560 89	100RB#0-100RB #0	18.92	19.06	23	PASS
48-4 8	20MHz-20M Hz	QPSK-QPSK	56442-566 40	1RB#0-0RB#0	22.45	22.59	23	PASS
48-4 8	20MHz-20M Hz	16QAM-16QAM	56442-566 40	1RB#0-0RB#0	21.71	21.85	23	PASS
48-4 8	20MHz-20M Hz	64QAM-64QAM	56442-566 40	1RB#0-0RB#0	21.10	21.24	23	PASS
48-4 8	20MHz-20M Hz	256QAM-256Q AM	56442-566 40	1RB#0-0RB#0	17.83	17.97	23	PASS
48-4 8	20MHz-20M Hz	QPSK-QPSK	56442-566 40	100RB#0-100RB #0	21.82	21.96	23	PASS
48-4 8	20MHz-20M Hz	16QAM-16QAM	56442-566 40	100RB#0-100RB #0	20.72	20.86	23	PASS
48-4 8	20MHz-20M Hz	64QAM-64QAM	56442-566 40	100RB#0-100RB #0	20.93	21.07	23	PASS
48-4 8	20MHz-20M Hz	256QAM-256Q AM	56442-566 40	100RB#0-100RB #0	18.74	18.88	23	PASS