



Appendix B.49

LTE CA_48C



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, Testing and Calibration Laboratory

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Effective (Isotropic) Radiated Power Output Data

Test Result

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	23.49	17.39	23.00	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	1RB#0-0RB#0	22.40	16.30	23.00	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	1RB#0-0RB#0	21.54	15.44	23.00	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	1RB#0-0RB#0	18.46	12.36	23.00	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.31	16.21	23.00	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	21.33	15.23	23.00	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	21.29	15.19	23.00	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	19.32	13.22	23.00	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	1RB#0-0RB#0	23.10	17.00	23.00	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	1RB#0-0RB#0	22.04	15.94	23.00	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	1RB#0-0RB#0	21.08	14.98	23.00	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	1RB#0-0RB#0	18.10	12.00	23.00	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	21.89	15.79	23.00	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	20.90	14.80	23.00	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	20.90	14.80	23.00	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	18.91	12.81	23.00	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	1RB#0-0RB#0	23.28	17.18	23.00	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	1RB#0-0RB#0	22.21	16.11	23.00	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	1RB#0-0RB#0	21.37	15.27	23.00	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	1RB#0-0RB#0	18.24	12.14	23.00	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.10	16.00	23.00	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	21.09	14.99	23.00	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	25RB#0-100RB#0	21.08	14.98	23.00	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	25RB#0-100RB#0	19.12	13.02	23.00	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	1RB#0-0RB#0	23.41	17.31	23.00	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	1RB#0-0RB#0	22.42	16.32	23.00	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	1RB#0-0RB#0	21.50	15.40	23.00	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	1RB#0-0RB#0	18.52	12.42	23.00	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.34	16.24	23.00	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	21.32	15.22	23.00	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	21.34	15.24	23.00	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	19.38	13.28	23.00	PASS



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48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	1RB#0-0RB#0	23.01	16.91	23.00	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	1RB#0-0RB#0	21.98	15.88	23.00	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	1RB#0-0RB#0	21.18	15.08	23.00	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	1RB#0-0RB#0	18.04	11.94	23.00	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	21.92	15.82	23.00	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	20.94	14.84	23.00	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	20.93	14.83	23.00	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	18.95	12.85	23.00	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	1RB#0-0RB#0	23.21	17.11	23.00	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	1RB#0-0RB#0	22.09	15.99	23.00	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	1RB#0-0RB#0	21.32	15.22	23.00	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	1RB#0-0RB#0	18.33	12.23	23.00	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.09	15.99	23.00	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	21.11	15.01	23.00	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	21.10	15.00	23.00	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	19.14	13.04	23.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	1RB#0-0RB#0	20.78	14.68	23.00	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	1RB#0-0RB#0	22.40	16.30	23.00	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	1RB#0-0RB#0	21.62	15.52	23.00	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	1RB#0-0RB#0	18.49	12.39	23.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	22.38	16.28	23.00	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	21.35	15.25	23.00	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	21.38	15.28	23.00	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	19.39	13.29	23.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	1RB#0-0RB#0	23.09	16.99	23.00	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	1RB#0-0RB#0	22.01	15.91	23.00	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	1RB#0-0RB#0	21.22	15.12	23.00	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	1RB#0-0RB#0	18.12	12.02	23.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	21.94	15.84	23.00	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	20.90	14.80	23.00	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	20.94	14.84	23.00	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	18.96	12.86	23.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	1RB#0-0RB#0	20.61	14.51	23.00	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	1RB#0-0RB#0	22.26	16.16	23.00	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	1RB#0-0RB#0	21.33	15.23	23.00	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	1RB#0-0RB#0	18.31	12.21	23.00	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	22.10	16.00	23.00	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	21.11	15.01	23.00	PASS



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48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	21.09	14.99	23.00	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	19.14	13.04	23.00	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	1RB#0-0RB#0	23.41	17.31	23.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	1RB#0-0RB#0	22.47	16.37	23.00	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	1RB#0-0RB#0	21.57	15.47	23.00	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	1RB#0-0RB#0	18.56	12.46	23.00	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	22.36	16.26	23.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	21.35	15.25	23.00	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	21.35	15.25	23.00	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	19.36	13.26	23.00	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	1RB#0-0RB#0	23.04	16.94	23.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	1RB#0-0RB#0	21.99	15.89	23.00	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	1RB#0-0RB#0	21.09	14.99	23.00	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	1RB#0-0RB#0	18.03	11.93	23.00	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	21.96	15.86	23.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	20.96	14.86	23.00	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	20.96	14.86	23.00	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	100RB#0-50RB#0	18.97	12.87	23.00	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	1RB#0-0RB#0	23.22	17.12	23.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	1RB#0-0RB#0	22.20	16.10	23.00	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	1RB#0-0RB#0	21.32	15.22	23.00	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	1RB#0-0RB#0	18.23	12.13	23.00	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	22.07	15.97	23.00	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	21.09	14.99	23.00	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	21.10	15.00	23.00	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	19.12	13.02	23.00	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	1RB#0-0RB#0	23.42	17.32	23.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	1RB#0-0RB#0	22.42	16.32	23.00	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	1RB#0-0RB#0	21.47	15.37	23.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	1RB#0-0RB#0	18.35	12.25	23.00	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	22.31	16.21	23.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	21.35	15.25	23.00	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	21.30	15.20	23.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	19.34	13.24	23.00	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	1RB#0-0RB#0	23.05	16.95	23.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	1RB#0-0RB#0	22.05	15.95	23.00	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	1RB#0-0RB#0	21.18	15.08	23.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	1RB#0-0RB#0	18.02	11.92	23.00	PASS



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48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	21.90	15.80	23.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	20.95	14.85	23.00	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	20.92	14.82	23.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	18.94	12.84	23.00	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	1RB#0-0RB#0	20.55	14.45	23.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	1RB#0-0RB#0	22.18	16.08	23.00	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	1RB#0-0RB#0	21.32	15.22	23.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	1RB#0-0RB#0	18.33	12.23	23.00	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	22.11	16.01	23.00	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	21.11	15.01	23.00	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	21.16	15.06	23.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	19.12	13.02	23.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	1RB#0-0RB#0	23.41	17.31	23.00	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	1RB#0-0RB#0	22.39	16.29	23.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	1RB#0-0RB#0	21.52	15.42	23.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	1RB#0-0RB#0	18.44	12.34	23.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	22.30	16.20	23.00	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	21.33	15.23	23.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	21.30	15.20	23.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	100RB#0-75RB#0	19.35	13.25	23.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	1RB#0-0RB#0	23.03	16.93	23.00	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	1RB#0-0RB#0	22.04	15.94	23.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	1RB#0-0RB#0	21.20	15.10	23.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	1RB#0-0RB#0	17.95	11.85	23.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	21.94	15.84	23.00	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	20.93	14.83	23.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	20.93	14.83	23.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	100RB#0-75RB#0	18.95	12.85	23.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	1RB#0-0RB#0	23.21	17.11	23.00	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	1RB#0-0RB#0	22.24	16.14	23.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	1RB#0-0RB#0	21.37	15.27	23.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	1RB#0-0RB#0	18.28	12.18	23.00	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	22.10	16.00	23.00	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	21.10	15.00	23.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	100RB#0-75RB#0	21.09	14.99	23.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	19.11	13.01	23.00	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	1RB#0-0RB#0	23.38	17.28	23.00	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	1RB#0-0RB#0	22.44	16.34	23.00	PASS



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48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	1RB#0-0RB#0	21.62	15.52	23.00	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	1RB#0-0RB#0	18.39	12.29	23.00	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	22.31	16.21	23.00	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	21.31	15.21	23.00	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	21.33	15.23	23.00	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	19.31	13.21	23.00	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	1RB#0-0RB#0	23.10	17.00	23.00	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	1RB#0-0RB#0	22.06	15.96	23.00	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	1RB#0-0RB#0	21.18	15.08	23.00	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	1RB#0-0RB#0	18.07	11.97	23.00	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	21.95	15.85	23.00	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	20.95	14.85	23.00	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	20.92	14.82	23.00	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	18.97	12.87	23.00	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	1RB#0-0RB#0	23.25	17.15	23.00	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	1RB#0-0RB#0	22.21	16.11	23.00	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	1RB#0-0RB#0	21.33	15.23	23.00	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	1RB#0-0RB#0	18.09	11.99	23.00	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	22.13	16.03	23.00	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	21.13	15.03	23.00	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	21.14	15.04	23.00	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	19.12	13.02	23.00	PASS

---End of Attachment---



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