

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 4

1 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1710.7	19957	1.4	1	0	23.15	25.75	0.376
QPSK	1710.7	19957	1.4	1	3	23.28	25.88	0.387
QPSK	1710.7	19957	1.4	1	5	23.19	25.79	0.379
QPSK	1710.7	19957	1.4	6	0	22.23	24.83	0.304
QPSK	1732.5	20175	1.4	1	0	23.14	25.74	0.375
QPSK	1732.5	20175	1.4	1	3	23.29	25.89	0.388
QPSK	1732.5	20175	1.4	1	5	23.17	25.77	0.378
QPSK	1732.5	20175	1.4	6	0	22.24	24.84	0.305
QPSK	1754.3	20393	1.4	1	0	23.05	25.65	0.367
QPSK	1754.3	20393	1.4	1	3	23.17	25.77	0.378
QPSK	1754.3	20393	1.4	1	5	23.05	25.65	0.367
QPSK	1754.3	20393	1.4	6	0	22.16	24.76	0.299
16QAM	1710.7	19957	1.4	1	0	22.45	25.05	0.320
16QAM	1710.7	19957	1.4	1	3	22.55	25.15	0.327
16QAM	1710.7	19957	1.4	1	5	22.40	25.00	0.316
16QAM	1710.7	19957	1.4	6	0	21.37	23.97	0.249
16QAM	1732.5	20175	1.4	1	0	22.42	25.02	0.318
16QAM	1732.5	20175	1.4	1	3	22.60	25.20	0.331
16QAM	1732.5	20175	1.4	1	5	22.57	25.17	0.329
16QAM	1732.5	20175	1.4	6	0	21.34	23.94	0.248
16QAM	1754.3	20393	1.4	1	0	22.45	25.05	0.320
16QAM	1754.3	20393	1.4	1	3	22.51	25.11	0.324
16QAM	1754.3	20393	1.4	1	5	22.46	25.06	0.321
16QAM	1754.3	20393	1.4	6	0	21.23	23.83	0.242

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	19965	3	1	0	23.22	25.82	0.382
QPSK	1711.5	19965	3	1	8	23.22	25.82	0.382
QPSK	1711.5	19965	3	1	14	23.21	25.81	0.381
QPSK	1711.5	19965	3	15	0	22.29	24.89	0.308
QPSK	1732.5	20175	3	1	0	23.19	25.79	0.379
QPSK	1732.5	20175	3	1	8	23.26	25.86	0.385
QPSK	1732.5	20175	3	1	14	23.19	25.79	0.379
QPSK	1732.5	20175	3	15	0	22.34	24.94	0.312
QPSK	1753.5	20385	3	1	0	23.09	25.69	0.371
QPSK	1753.5	20385	3	1	8	23.14	25.74	0.375
QPSK	1753.5	20385	3	1	14	23.14	25.74	0.375
QPSK	1753.5	20385	3	15	0	22.23	24.83	0.304
16QAM	1711.5	19965	3	1	0	22.61	25.21	0.332
16QAM	1711.5	19965	3	1	8	22.63	25.23	0.333
16QAM	1711.5	19965	3	1	14	22.52	25.12	0.325
16QAM	1711.5	19965	3	15	0	21.33	23.93	0.247
16QAM	1732.5	20175	3	1	0	22.57	25.17	0.329
16QAM	1732.5	20175	3	1	8	22.61	25.21	0.332
16QAM	1732.5	20175	3	1	14	22.55	25.15	0.327
16QAM	1732.5	20175	3	15	0	21.37	23.97	0.249
16QAM	1753.5	20385	3	1	0	22.32	24.92	0.310
16QAM	1753.5	20385	3	1	8	22.44	25.04	0.319
16QAM	1753.5	20385	3	1	14	22.40	25.00	0.316
16QAM	1753.5	20385	3	15	0	21.21	23.81	0.240

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	19975	5	1	0	23.20	25.80	0.380
QPSK	1712.5	19975	5	1	12	23.27	25.87	0.386
QPSK	1712.5	19975	5	1	24	23.19	25.79	0.379
QPSK	1712.5	19975	5	25	0	22.27	24.87	0.307
QPSK	1732.5	20175	5	1	0	23.26	25.86	0.385
QPSK	1732.5	20175	5	1	12	23.23	25.83	0.383
QPSK	1732.5	20175	5	1	24	23.26	25.86	0.385
QPSK	1732.5	20175	5	25	0	22.32	24.92	0.310
QPSK	1752.5	20375	5	1	0	23.14	25.74	0.375
QPSK	1752.5	20375	5	1	12	23.16	25.76	0.377
QPSK	1752.5	20375	5	1	24	23.11	25.71	0.372
QPSK	1752.5	20375	5	25	0	22.18	24.78	0.301
16QAM	1712.5	19975	5	1	0	22.55	25.15	0.327
16QAM	1712.5	19975	5	1	12	22.60	25.20	0.331
16QAM	1712.5	19975	5	1	24	22.63	25.23	0.333
16QAM	1712.5	19975	5	25	0	21.36	23.96	0.249
16QAM	1732.5	20175	5	1	0	22.66	25.26	0.336
16QAM	1732.5	20175	5	1	12	22.64	25.24	0.334
16QAM	1732.5	20175	5	1	24	22.63	25.23	0.333
16QAM	1732.5	20175	5	25	0	21.36	23.96	0.249
16QAM	1752.5	20375	5	1	0	22.33	24.93	0.311
16QAM	1752.5	20375	5	1	12	22.33	24.93	0.311
16QAM	1752.5	20375	5	1	24	22.46	25.06	0.321
16QAM	1752.5	20375	5	25	0	21.23	23.83	0.242

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	20000	10	1	0	23.22	25.82	0.382
QPSK	1715	20000	10	1	24	23.26	25.86	0.385
QPSK	1715	20000	10	1	49	23.22	25.82	0.382
QPSK	1715	20000	10	50	0	22.29	24.89	0.308
QPSK	1732.5	20175	10	1	0	23.18	25.78	0.378
QPSK	1732.5	20175	10	1	24	23.31	25.91	0.390
QPSK	1732.5	20175	10	1	49	23.18	25.78	0.378
QPSK	1732.5	20175	10	50	0	22.29	24.89	0.308
QPSK	1750	20350	10	1	0	23.18	25.78	0.378
QPSK	1750	20350	10	1	24	23.13	25.73	0.374
QPSK	1750	20350	10	1	49	23.16	25.76	0.377
QPSK	1750	20350	10	50	0	22.32	24.92	0.310
16QAM	1715	20000	10	1	0	22.54	25.14	0.327
16QAM	1715	20000	10	1	24	22.70	25.30	0.339
16QAM	1715	20000	10	1	49	22.59	25.19	0.330
16QAM	1715	20000	10	50	0	21.36	23.96	0.249
16QAM	1732.5	20175	10	1	0	22.52	25.12	0.325
16QAM	1732.5	20175	10	1	24	22.68	25.28	0.337
16QAM	1732.5	20175	10	1	49	22.55	25.15	0.327
16QAM	1732.5	20175	10	50	0	21.38	23.98	0.250
16QAM	1750	20350	10	1	0	22.58	25.18	0.330
16QAM	1750	20350	10	1	24	22.44	25.04	0.319
16QAM	1750	20350	10	1	49	22.50	25.10	0.324
16QAM	1750	20350	10	50	0	21.36	23.96	0.249

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	20025	15	1	0	23.17	25.77	0.378
QPSK	1717.5	20025	15	1	37	23.31	25.91	0.390
QPSK	1717.5	20025	15	1	74	23.18	25.78	0.378
QPSK	1717.5	20025	15	75	0	22.26	24.86	0.306
QPSK	1732.5	20175	15	1	0	23.08	25.68	0.370
QPSK	1732.5	20175	15	1	37	23.28	25.88	0.387
QPSK	1732.5	20175	15	1	74	23.25	25.85	0.385
QPSK	1732.5	20175	15	75	0	22.34	24.94	0.312
QPSK	1747.5	20325	15	1	0	23.19	25.79	0.379
QPSK	1747.5	20325	15	1	37	23.13	25.73	0.374
QPSK	1747.5	20325	15	1	74	23.20	25.80	0.380
QPSK	1747.5	20325	15	75	0	22.32	24.92	0.310
16QAM	1717.5	20025	15	1	0	22.47	25.07	0.321
16QAM	1717.5	20025	15	1	37	22.55	25.15	0.327
16QAM	1717.5	20025	15	1	74	22.40	25.00	0.316
16QAM	1717.5	20025	15	75	0	21.27	23.87	0.244
16QAM	1732.5	20175	15	1	0	22.51	25.11	0.324
16QAM	1732.5	20175	15	1	37	22.66	25.26	0.336
16QAM	1732.5	20175	15	1	74	22.61	25.21	0.332
16QAM	1732.5	20175	15	75	0	21.38	23.98	0.250
16QAM	1747.5	20325	15	1	0	22.47	25.07	0.321
16QAM	1747.5	20325	15	1	37	22.49	25.09	0.323
16QAM	1747.5	20325	15	1	74	22.46	25.06	0.321
16QAM	1747.5	20325	15	75	0	21.36	23.96	0.249

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	23.11	25.71	0.372
QPSK	1720	20050	20	1	49	23.28	25.88	0.387
QPSK	1720	20050	20	1	99	23.24	25.84	0.384
QPSK	1720	20050	20	100	0	22.22	24.82	0.303
QPSK	1732.5	20175	20	1	0	23.18	25.78	0.378
QPSK	1732.5	20175	20	1	49	23.29	25.89	0.388
QPSK	1732.5	20175	20	1	99	23.25	25.85	0.385
QPSK	1732.5	20175	20	100	0	22.30	24.90	0.309
QPSK	1745	20300	20	1	0	23.16	25.76	0.377
QPSK	1745	20300	20	1	49	23.28	25.88	0.387
QPSK	1745	20300	20	1	99	23.18	25.78	0.378
QPSK	1745	20300	20	100	0	22.27	24.87	0.307
16QAM	1720	20050	20	1	0	22.43	25.03	0.318
16QAM	1720	20050	20	1	49	22.59	25.19	0.330
16QAM	1720	20050	20	1	99	22.57	25.17	0.329
16QAM	1720	20050	20	100	0	21.26	23.86	0.243
16QAM	1732.5	20175	20	1	0	22.44	25.04	0.319
16QAM	1732.5	20175	20	1	49	22.51	25.11	0.324
16QAM	1732.5	20175	20	1	99	22.52	25.12	0.325
16QAM	1732.5	20175	20	100	0	21.35	23.95	0.248
16QAM	1745	20300	20	1	0	22.50	25.10	0.324
16QAM	1745	20300	20	1	49	22.53	25.13	0.326
16QAM	1745	20300	20	1	99	22.45	25.05	0.320
16QAM	1745	20300	20	100	0	21.29	23.89	0.245