

APPENDIX G: CONDUCTED POWER MEASUREMENTS FOR SUPPORTED LTE TRANSMISSION MODES

G.1 Power Tuning Targets

Band	Target Tuning Power in Head and Body-worn measurements					
	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz
LTE700 (Band 17)	N/A	N/A	23.0	23.0	N/A	N/A
LTE850 (Band 5)	23.0	23.0	23.0	23.0	N/A	N/A
LTE1700/2100 (Band 4)	23.0	23.0	23.0	23.0	23.0	23.0
LTE1900 (Band 2)	23.0	23.0	23.0	23.0	23.0	23.0

Band	Target Tuning Power in WR mode					
	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz
LTE1700/2100 (Band 4)	19.7	19.7	19.7	19.7	19.7	19.7
LTE1900 (Band 2)	19.7	19.7	19.7	19.7	19.7	19.7

G.2 Conducted Power from the Samples used in the Testing

Type: RM-893; Serial number: 355519/05/000394/6 used for LTE700 (Band17) for Head, Body-worn and Wireless Router SAR measurements.

“Max Average Power (dBm)” column lists measured powers with MPR active. The “Reduced Power (dBm)” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101). A-MPR is not specified for LTE700 (Band 17) in this specification (Table 6.2.4-1).

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
706.5	23755	5	1	0	QPSK	23.46	-
706.5	23755	5	1	12	QPSK	23.59	-
706.5	23755	5	1	24	QPSK	23.79	-
706.5	23755	5	12	0	QPSK	22.49	-
706.5	23755	5	12	6	QPSK	22.50	-
706.5	23755	5	12	13	QPSK	22.54	-
706.5	23755	5	25	0	QPSK	22.44	-
706.5	23755	5	1	0	16QAM	22.42	-
706.5	23755	5	1	12	16QAM	22.40	-
706.5	23755	5	1	24	16QAM	22.71	-
706.5	23755	5	12	0	16QAM	21.56	-
706.5	23755	5	12	6	16QAM	21.47	-
706.5	23755	5	12	13	16QAM	21.58	-
706.5	23755	5	25	0	16QAM	21.44	-
710.0	23790	5	1	0	QPSK	23.49	-
710.0	23790	5	1	12	QPSK	24.08	-
710.0	23790	5	1	24	QPSK	23.58	-
710.0	23790	5	12	0	QPSK	22.68	-
710.0	23790	5	12	6	QPSK	23.03	-
710.0	23790	5	12	13	QPSK	22.74	-
710.0	23790	5	25	0	QPSK	22.64	-
710.0	23790	5	1	0	16QAM	22.47	-
710.0	23790	5	1	12	16QAM	23.12	-
710.0	23790	5	1	24	16QAM	22.47	-
710.0	23790	5	12	0	16QAM	21.68	-
710.0	23790	5	12	6	16QAM	22.04	-
710.0	23790	5	12	13	16QAM	21.81	-
710.0	23790	5	25	0	16QAM	21.71	-

(Table LTE700, 355519/05/000394/6 continues)

(Table LTE700, 355519/05/000394/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
713.5	23825	5	1	0	QPSK	23.51	-
713.5	23825	5	1	12	QPSK	23.53	-
713.5	23825	5	1	24	QPSK	23.62	-
713.5	23825	5	12	0	QPSK	22.46	-
713.5	23825	5	12	6	QPSK	22.51	-
713.5	23825	5	12	13	QPSK	22.56	-
713.5	23825	5	25	0	QPSK	22.41	-
713.5	23825	5	1	0	16QAM	22.38	-
713.5	23825	5	1	12	16QAM	22.62	-
713.5	23825	5	1	24	16QAM	22.51	-
713.5	23825	5	12	0	16QAM	21.40	-
713.5	23825	5	12	6	16QAM	21.43	-
713.5	23825	5	12	13	16QAM	21.52	-
713.5	23825	5	25	0	16QAM	21.46	-
709.0	23780	10	1	0	QPSK	23.58	-
709.0	23780	10	1	24	QPSK	23.88	-
709.0	23780	10	1	49	QPSK	23.56	-
709.0	23780	10	25	0	QPSK	22.43	-
709.0	23780	10	25	12	QPSK	22.70	-
709.0	23780	10	25	25	QPSK	22.66	-
709.0	23780	10	50	0	QPSK	22.41	-
709.0	23780	10	1	0	16QAM	22.62	-
709.0	23780	10	1	24	16QAM	22.81	-
709.0	23780	10	1	49	16QAM	22.65	-
709.0	23780	10	25	0	16QAM	21.29	-
709.0	23780	10	25	12	16QAM	21.62	-
709.0	23780	10	25	25	16QAM	21.57	-
709.0	23780	10	50	0	16QAM	21.48	-

(Table LTE700, 355519/05/000394/6 continues)

(Table LTE700, 355519/05/000394/6 continues)

710.0	23790	10	1	0	QPSK	23.53	-
710.0	23790	10	1	24	QPSK	24.22	-
710.0	23790	10	1	49	QPSK	23.58	-
710.0	23790	10	25	0	QPSK	22.49	-
710.0	23790	10	25	12	QPSK	22.69	-
710.0	23790	10	25	25	QPSK	22.57	-
710.0	23790	10	50	0	QPSK	22.33	-
710.0	23790	10	1	0	16QAM	22.66	-
710.0	23790	10	1	24	16QAM	23.33	-
710.0	23790	10	1	49	16QAM	22.68	-
710.0	23790	10	25	0	16QAM	21.43	-
710.0	23790	10	25	12	16QAM	21.60	-
710.0	23790	10	25	25	16QAM	21.48	-
710.0	23790	10	50	0	16QAM	21.36	-
711.0	23800	10	1	0	QPSK	23.47	-
711.0	23800	10	1	24	QPSK	23.62	-
711.0	23800	10	1	49	QPSK	23.56	-
711.0	23800	10	25	0	QPSK	22.66	-
711.0	23800	10	25	12	QPSK	22.70	-
711.0	23800	10	25	25	QPSK	22.43	-
711.0	23800	10	50	0	QPSK	22.46	-
711.0	23800	10	1	0	16QAM	22.68	-
711.0	23800	10	1	24	16QAM	22.82	-
711.0	23800	10	1	49	16QAM	22.73	-
711.0	23800	10	25	0	16QAM	21.63	-
711.0	23800	10	25	12	16QAM	21.64	-
711.0	23800	10	25	25	16QAM	21.38	-
711.0	23800	10	50	0	16QAM	21.53	-

Type: RM-893; Serial number: 355519/05/000407/6 used for LTE850 (Band 5) for Head, Body-worn and Wireless Router SAR measurements.

“Max Average Power (dBm)” column lists measured powers with MPR active. The “Reduced Power (dBm)” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101). A-MPR is not specified for LTE850 (Band 5) in this specification (Table 6.2.4-1).

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
824.7	20407	1.4	1	0	QPSK	23.69	-
824.7	20407	1.4	1	2	QPSK	23.59	-
824.7	20407	1.4	1	5	QPSK	23.53	-
824.7	20407	1.4	3	0	QPSK	23.63	-
824.7	20407	1.4	3	2	QPSK	23.51	-
824.7	20407	1.4	3	3	QPSK	23.50	-
824.7	20407	1.4	6	0	QPSK	22.26	-
824.7	20407	1.4	1	0	16QAM	22.54	-
824.7	20407	1.4	1	2	16QAM	22.46	-
824.7	20407	1.4	1	5	16QAM	22.40	-
824.7	20407	1.4	3	0	16QAM	22.65	-
824.7	20407	1.4	3	2	16QAM	22.47	-
824.7	20407	1.4	3	3	16QAM	22.57	-
824.7	20407	1.4	6	0	16QAM	21.35	-
836.5	20525	1.4	1	0	QPSK	24.12	-
836.5	20525	1.4	1	2	QPSK	24.00	-
836.5	20525	1.4	1	5	QPSK	24.04	-
836.5	20525	1.4	3	0	QPSK	24.07	-
836.5	20525	1.4	3	2	QPSK	24.02	-
836.5	20525	1.4	3	3	QPSK	23.98	-
836.5	20525	1.4	6	0	QPSK	23.02	-
836.5	20525	1.4	1	0	16QAM	23.04	-
836.5	20525	1.4	1	2	16QAM	23.23	-
836.5	20525	1.4	1	5	16QAM	23.11	-
836.5	20525	1.4	3	0	16QAM	22.92	-
836.5	20525	1.4	3	2	16QAM	22.97	-
836.5	20525	1.4	3	3	16QAM	22.97	-
836.5	20525	1.4	6	0	16QAM	22.06	-

(Table LTE850, 355519/05/000407/6 continues)

(Table LTE850, 355519/05/000407/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
848.3	20643	1.4	1	0	QPSK	23.54	-
848.3	20643	1.4	1	2	QPSK	23.74	-
848.3	20643	1.4	1	5	QPSK	23.55	-
848.3	20643	1.4	3	0	QPSK	23.49	-
848.3	20643	1.4	3	2	QPSK	23.58	-
848.3	20643	1.4	3	3	QPSK	23.49	-
848.3	20643	1.4	6	0	QPSK	22.49	-
848.3	20643	1.4	1	0	16QAM	22.53	-
848.3	20643	1.4	1	2	16QAM	22.58	-
848.3	20643	1.4	1	5	16QAM	22.60	-
848.3	20643	1.4	3	0	16QAM	22.46	-
848.3	20643	1.4	3	2	16QAM	22.44	-
848.3	20643	1.4	3	3	16QAM	22.45	-
848.3	20643	1.4	6	0	16QAM	21.59	-
825.5	20415	3	1	0	QPSK	23.59	-
825.5	20415	3	1	7	QPSK	23.49	-
825.5	20415	3	1	14	QPSK	23.58	-
825.5	20415	3	8	0	QPSK	22.27	-
825.5	20415	3	8	3	QPSK	22.18	-
825.5	20415	3	8	7	QPSK	22.31	-
825.5	20415	3	15	0	QPSK	22.23	-
825.5	20415	3	1	0	16QAM	22.50	-
825.5	20415	3	1	7	16QAM	22.62	-
825.5	20415	3	1	14	16QAM	22.32	-
825.5	20415	3	8	0	16QAM	21.27	-
825.5	20415	3	8	3	16QAM	21.26	-
825.5	20415	3	8	7	16QAM	21.23	-
825.5	20415	3	15	0	16QAM	21.24	-

(Table LTE850, 355519/05/000407/6 continues)

(Table LTE850, 355519/05/000407/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
836.5	20525	3	1	0	QPSK	24.03	-
836.5	20525	3	1	7	QPSK	23.98	-
836.5	20525	3	1	14	QPSK	23.86	-
836.5	20525	3	8	0	QPSK	22.98	-
836.5	20525	3	8	3	QPSK	23.07	-
836.5	20525	3	8	7	QPSK	22.92	-
836.5	20525	3	15	0	QPSK	22.98	-
836.5	20525	3	1	0	16QAM	22.73	-
836.5	20525	3	1	7	16QAM	22.91	-
836.5	20525	3	1	14	16QAM	22.68	-
836.5	20525	3	8	0	16QAM	22.02	-
836.5	20525	3	8	3	16QAM	21.97	-
836.5	20525	3	8	7	16QAM	21.97	-
836.5	20525	3	15	0	16QAM	22.08	-
847.5	20635	3	1	0	QPSK	23.50	-
847.5	20635	3	1	7	QPSK	23.47	-
847.5	20635	3	1	14	QPSK	23.44	-
847.5	20635	3	8	0	QPSK	22.53	-
847.5	20635	3	8	3	QPSK	22.50	-
847.5	20635	3	8	7	QPSK	22.48	-
847.5	20635	3	15	0	QPSK	22.41	-
847.5	20635	3	1	0	16QAM	22.32	-
847.5	20635	3	1	7	16QAM	22.28	-
847.5	20635	3	1	14	16QAM	22.36	-
847.5	20635	3	8	0	16QAM	21.43	-
847.5	20635	3	8	3	16QAM	21.44	-
847.5	20635	3	8	7	16QAM	21.48	-
847.5	20635	3	15	0	16QAM	21.56	-

(Table LTE850, 355519/05/000407/6 continues)

(Table LTE850, 355519/05/000407/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
826.5	20425	5	1	0	QPSK	23.63	-
826.5	20425	5	1	12	QPSK	23.57	-
826.5	20425	5	1	24	QPSK	23.46	-
826.5	20425	5	12	0	QPSK	22.28	-
826.5	20425	5	12	6	QPSK	22.20	-
826.5	20425	5	12	13	QPSK	22.24	-
826.5	20425	5	25	0	QPSK	22.14	-
826.5	20425	5	1	0	16QAM	22.24	-
826.5	20425	5	1	12	16QAM	22.16	-
826.5	20425	5	1	24	16QAM	22.12	-
826.5	20425	5	12	0	16QAM	21.18	-
826.5	20425	5	12	6	16QAM	21.19	-
826.5	20425	5	12	13	16QAM	21.20	-
826.5	20425	5	25	0	16QAM	21.22	-
836.5	20525	5	1	0	QPSK	24.05	-
836.5	20525	5	1	12	QPSK	24.05	-
836.5	20525	5	1	24	QPSK	23.99	-
836.5	20525	5	12	0	QPSK	22.93	-
836.5	20525	5	12	6	QPSK	22.97	-
836.5	20525	5	12	13	QPSK	22.90	-
836.5	20525	5	25	0	QPSK	22.96	-
836.5	20525	5	1	0	16QAM	22.65	-
836.5	20525	5	1	12	16QAM	22.68	-
836.5	20525	5	1	24	16QAM	22.63	-
836.5	20525	5	12	0	16QAM	21.95	-
836.5	20525	5	12	6	16QAM	21.99	-
836.5	20525	5	12	13	16QAM	21.90	-
836.5	20525	5	25	0	16QAM	21.89	-

(Table LTE1700/2100, 355519/05/000407/6 continues)

(Table LTE850, 355519/05/000407/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
846.5	20625	5	1	0	QPSK	23.55	-
846.5	20625	5	1	12	QPSK	23.61	-
846.5	20625	5	1	24	QPSK	23.61	-
846.5	20625	5	12	0	QPSK	22.45	-
846.5	20625	5	12	6	QPSK	22.38	-
846.5	20625	5	12	13	QPSK	22.45	-
846.5	20625	5	25	0	QPSK	22.36	-
846.5	20625	5	1	0	16QAM	22.38	-
846.5	20625	5	1	12	16QAM	22.37	-
846.5	20625	5	1	24	16QAM	22.38	-
846.5	20625	5	12	0	16QAM	21.43	-
846.5	20625	5	12	6	16QAM	21.50	-
846.5	20625	5	12	13	16QAM	21.46	-
846.5	20625	5	25	0	16QAM	21.33	-
829.0	20450	10	1	0	QPSK	23.66	-
829.0	20450	10	1	24	QPSK	23.54	-
829.0	20450	10	1	49	QPSK	23.96	-
829.0	20450	10	25	0	QPSK	22.26	-
829.0	20450	10	25	12	QPSK	22.32	-
829.0	20450	10	25	25	QPSK	22.50	-
829.0	20450	10	50	0	QPSK	22.27	-
829.0	20450	10	1	0	16QAM	22.82	-
829.0	20450	10	1	24	16QAM	22.70	-
829.0	20450	10	1	49	16QAM	23.02	-
829.0	20450	10	25	0	16QAM	21.23	-
829.0	20450	10	25	12	16QAM	21.36	-
829.0	20450	10	25	25	16QAM	21.49	-
829.0	20450	10	50	0	16QAM	21.24	-

(Table LTE850, 355519/05/000407/6 continues)

(Table LTE850, 355519/05/000407/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
836.5	20525	10	1	0	QPSK	23.70	-
836.5	20525	10	1	24	QPSK	24.05	-
836.5	20525	10	1	49	QPSK	23.53	-
836.5	20525	10	25	0	QPSK	22.73	-
836.5	20525	10	25	12	QPSK	22.92	-
836.5	20525	10	25	25	QPSK	22.67	-
836.5	20525	10	50	0	QPSK	22.59	-
836.5	20525	10	1	0	16QAM	22.83	-
836.5	20525	10	1	24	16QAM	23.20	-
836.5	20525	10	1	49	16QAM	22.68	-
836.5	20525	10	25	0	16QAM	21.76	-
836.5	20525	10	25	12	16QAM	21.87	-
836.5	20525	10	25	25	16QAM	21.63	-
836.5	20525	10	50	0	16QAM	21.52	-
844.0	20600	10	1	0	QPSK	23.82	-
844.0	20600	10	1	24	QPSK	23.58	-
844.0	20600	10	1	49	QPSK	23.57	-
844.0	20600	10	25	0	QPSK	22.48	-
844.0	20600	10	25	12	QPSK	22.33	-
844.0	20600	10	25	25	QPSK	22.37	-
844.0	20600	10	50	0	QPSK	22.39	-
844.0	20600	10	1	0	16QAM	23.06	-
844.0	20600	10	1	24	16QAM	22.80	-
844.0	20600	10	1	49	16QAM	22.57	-
844.0	20600	10	25	0	16QAM	21.46	-
844.0	20600	10	25	12	16QAM	21.30	-
844.0	20600	10	25	25	16QAM	21.36	-
844.0	20600	10	50	0	16QAM	21.37	-

Type: RM-893; Serial number: 355519/05/000365/6 used for LTE1700/2100 (Band4) for Head and Body-worn SAR measurements.

“Max Average Power (dBm)” column lists measured powers with MPR active. The “Reduced Power (dBm)” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101). A-MPR is not specified for LTE1700/2100 (Band 4) in 1.4MHz Channel BW in this specification (Table 6.2.4-1).

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1710.7	19957	1.4	1	0	QPSK	23.52	-
1710.7	19957	1.4	1	2	QPSK	23.47	-
1710.7	19957	1.4	1	5	QPSK	23.50	-
1710.7	19957	1.4	3	0	QPSK	23.38	-
1710.7	19957	1.4	3	2	QPSK	23.36	-
1710.7	19957	1.4	3	3	QPSK	23.27	-
1710.7	19957	1.4	6	0	QPSK	22.47	-
1710.7	19957	1.4	1	0	16QAM	22.32	-
1710.7	19957	1.4	1	2	16QAM	22.50	-
1710.7	19957	1.4	1	5	16QAM	22.39	-
1710.7	19957	1.4	3	0	16QAM	22.64	-
1710.7	19957	1.4	3	2	16QAM	22.49	-
1710.7	19957	1.4	3	3	16QAM	22.48	-
1710.7	19957	1.4	6	0	16QAM	21.57	-
1732.5	20175	1.4	1	0	QPSK	23.99	-
1732.5	20175	1.4	1	2	QPSK	24.01	-
1732.5	20175	1.4	1	5	QPSK	23.95	-
1732.5	20175	1.4	3	0	QPSK	23.94	-
1732.5	20175	1.4	3	2	QPSK	23.99	-
1732.5	20175	1.4	3	3	QPSK	23.93	-
1732.5	20175	1.4	6	0	QPSK	23.07	-
1732.5	20175	1.4	1	0	16QAM	22.91	-
1732.5	20175	1.4	1	2	16QAM	22.86	-
1732.5	20175	1.4	1	5	16QAM	22.83	-
1732.5	20175	1.4	3	0	16QAM	23.01	-
1732.5	20175	1.4	3	2	16QAM	22.99	-
1732.5	20175	1.4	3	3	16QAM	23.05	-
1732.5	20175	1.4	6	0	16QAM	22.00	-

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1754.3	20393	1.4	1	0	QPSK	23.52	-
1754.3	20393	1.4	1	2	QPSK	23.55	-
1754.3	20393	1.4	1	5	QPSK	23.52	-
1754.3	20393	1.4	3	0	QPSK	23.56	-
1754.3	20393	1.4	3	2	QPSK	23.56	-
1754.3	20393	1.4	3	3	QPSK	23.43	-
1754.3	20393	1.4	6	0	QPSK	22.59	-
1754.3	20393	1.4	1	0	16QAM	22.60	-
1754.3	20393	1.4	1	2	16QAM	22.39	-
1754.3	20393	1.4	1	5	16QAM	22.45	-
1754.3	20393	1.4	3	0	16QAM	22.62	-
1754.3	20393	1.4	3	2	16QAM	22.63	-
1754.3	20393	1.4	3	3	16QAM	22.60	-
1754.3	20393	1.4	6	0	16QAM	21.60	-
1711.5	19965	3	1	0	QPSK	23.56	23.54
1711.5	19965	3	1	7	QPSK	23.55	23.57
1711.5	19965	3	1	14	QPSK	23.43	23.56
1711.5	19965	3	8	0	QPSK	22.58	21.60
1711.5	19965	3	8	3	QPSK	22.57	21.63
1711.5	19965	3	8	7	QPSK	22.56	21.62
1711.5	19965	3	15	0	QPSK	22.49	21.56
1711.5	19965	3	1	0	16QAM	22.70	22.43
1711.5	19965	3	1	7	16QAM	22.57	22.34
1711.5	19965	3	1	14	16QAM	22.59	22.24
1732.5	20175	3	8	0	16QAM	21.47	20.45
1732.5	20175	3	8	3	16QAM	21.43	20.46
1732.5	20175	3	8	7	16QAM	21.38	20.46
1732.5	20175	3	15	0	16QAM	21.43	20.49

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1732.5	20175	3	1	0	QPSK	23.90	23.95
1732.5	20175	3	1	7	QPSK	24.02	24.12
1732.5	20175	3	1	14	QPSK	23.95	24.02
1732.5	20175	3	8	0	QPSK	22.96	22.09
1732.5	20175	3	8	3	QPSK	23.03	22.12
1732.5	20175	3	8	7	QPSK	22.98	22.11
1732.5	20175	3	15	0	QPSK	22.96	22.00
1732.5	20175	3	1	0	16QAM	23.11	22.63
1732.5	20175	3	1	7	16QAM	23.23	22.82
1732.5	20175	3	1	14	16QAM	23.12	22.81
1732.5	20175	3	8	0	16QAM	21.93	20.92
1732.5	20175	3	8	3	16QAM	21.96	20.92
1732.5	20175	3	8	7	16QAM	21.97	20.92
1732.5	20175	3	15	0	16QAM	21.95	20.92
1753.5	20385	3	1	0	QPSK	23.58	23.63
1753.5	20385	3	1	7	QPSK	23.49	23.54
1753.5	20385	3	1	14	QPSK	23.49	23.52
1753.5	20385	3	8	0	QPSK	22.65	21.64
1753.5	20385	3	8	3	QPSK	22.63	21.70
1753.5	20385	3	8	7	QPSK	22.59	21.64
1753.5	20385	3	15	0	QPSK	22.48	21.57
1753.5	20385	3	1	0	16QAM	22.70	22.60
1753.5	20385	3	1	7	16QAM	22.80	22.54
1753.5	20385	3	1	14	16QAM	22.64	22.40
1753.5	20385	3	8	0	16QAM	21.53	20.63
1753.5	20385	3	8	3	16QAM	21.51	20.59
1753.5	20385	3	8	7	16QAM	21.49	20.60
1753.5	20385	3	15	0	16QAM	21.48	20.63

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1712.5	19975	5	1	0	QPSK	23.52	23.76
1712.5	19975	5	1	12	QPSK	23.42	23.68
1712.5	19975	5	1	24	QPSK	23.41	23.75
1712.5	19975	5	12	0	QPSK	22.52	21.75
1712.5	19975	5	12	6	QPSK	22.48	21.74
1712.5	19975	5	12	13	QPSK	22.47	21.61
1712.5	19975	5	25	0	QPSK	22.44	21.56
1712.5	19975	5	1	0	16QAM	22.18	22.45
1712.5	19975	5	1	12	16QAM	22.11	22.44
1712.5	19975	5	1	24	16QAM	22.14	22.56
1712.5	19975	5	12	0	16QAM	21.66	20.79
1712.5	19975	5	12	6	16QAM	21.61	20.76
1712.5	19975	5	12	13	16QAM	21.56	20.68
1712.5	19975	5	25	0	16QAM	21.38	20.59
1732.5	20175	5	1	0	QPSK	23.90	24.13
1732.5	20175	5	1	12	QPSK	23.95	24.16
1732.5	20175	5	1	24	QPSK	23.99	24.08
1732.5	20175	5	12	0	QPSK	22.86	22.08
1732.5	20175	5	12	6	QPSK	22.99	22.24
1732.5	20175	5	12	13	QPSK	22.96	22.28
1732.5	20175	5	25	0	QPSK	22.87	22.09
1732.5	20175	5	1	0	16QAM	22.56	23.03
1732.5	20175	5	1	12	16QAM	22.58	23.17
1732.5	20175	5	1	24	16QAM	22.56	22.94
1732.5	20175	5	12	0	16QAM	21.88	21.08
1732.5	20175	5	12	6	16QAM	21.98	21.29
1732.5	20175	5	12	13	16QAM	22.05	21.17
1732.5	20175	5	25	0	16QAM	21.87	21.01

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1752.5	20375	5	1	0	QPSK	23.68	23.86
1752.5	20375	5	1	12	QPSK	23.50	23.74
1752.5	20375	5	1	24	QPSK	23.49	23.67
1752.5	20375	5	12	0	QPSK	22.53	21.74
1752.5	20375	5	12	6	QPSK	22.56	21.86
1752.5	20375	5	12	13	QPSK	22.56	21.76
1752.5	20375	5	25	0	QPSK	22.50	21.69
1752.5	20375	5	1	0	16QAM	22.33	22.69
1752.5	20375	5	1	12	16QAM	22.39	22.64
1752.5	20375	5	1	24	16QAM	22.31	22.61
1752.5	20375	5	12	0	16QAM	21.63	20.89
1752.5	20375	5	12	6	16QAM	21.68	20.77
1752.5	20375	5	12	13	16QAM	21.51	20.78
1752.5	20375	5	25	0	16QAM	21.48	20.64
1715.0	20000	10	1	0	QPSK	23.48	23.81
1715.0	20000	10	1	24	QPSK	23.55	23.70
1715.0	20000	10	1	49	QPSK	23.42	23.72
1715.0	20000	10	25	0	QPSK	22.48	21.67
1715.0	20000	10	25	12	QPSK	22.41	21.68
1715.0	20000	10	25	25	QPSK	22.39	21.64
1715.0	20000	10	50	0	QPSK	22.32	21.54
1715.0	20000	10	1	0	16QAM	22.50	22.85
1715.0	20000	10	1	24	16QAM	22.34	22.73
1715.0	20000	10	1	49	16QAM	22.26	22.54
1715.0	20000	10	25	0	16QAM	21.31	20.65
1715.0	20000	10	25	12	16QAM	21.33	20.64
1715.0	20000	10	25	25	16QAM	21.29	20.57
1715.0	20000	10	50	0	16QAM	21.23	20.60

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1732.5	20175	10	1	0	QPSK	23.83	24.18
1732.5	20175	10	1	24	QPSK	24.04	24.27
1732.5	20175	10	1	49	QPSK	23.78	24.02
1732.5	20175	10	25	0	QPSK	22.88	22.15
1732.5	20175	10	25	12	QPSK	22.91	22.13
1732.5	20175	10	25	25	QPSK	22.78	22.11
1732.5	20175	10	50	0	QPSK	22.64	21.96
1732.5	20175	10	1	0	16QAM	22.62	22.90
1732.5	20175	10	1	24	16QAM	22.81	23.19
1732.5	20175	10	1	49	16QAM	22.64	23.06
1732.5	20175	10	25	0	16QAM	21.81	21.08
1732.5	20175	10	25	12	16QAM	21.84	21.14
1732.5	20175	10	25	25	16QAM	21.79	21.05
1732.5	20175	10	50	0	16QAM	21.63	21.00
1750.0	20350	10	1	0	QPSK	23.54	23.79
1750.0	20350	10	1	24	QPSK	23.46	23.74
1750.0	20350	10	1	49	QPSK	23.35	23.58
1750.0	20350	10	25	0	QPSK	22.41	21.62
1750.0	20350	10	25	12	QPSK	22.31	21.56
1750.0	20350	10	25	25	QPSK	22.31	21.63
1750.0	20350	10	50	0	QPSK	22.22	21.48
1750.0	20350	10	1	0	16QAM	22.73	22.85
1750.0	20350	10	1	24	16QAM	22.66	22.86
1750.0	20350	10	1	49	16QAM	22.49	22.74
1750.0	20350	10	25	0	16QAM	21.39	20.59
1750.0	20350	10	25	12	16QAM	21.28	20.55
1750.0	20350	10	25	25	16QAM	21.28	20.48
1750.0	20350	10	50	0	16QAM	21.24	20.61

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1717.5	20025	15	1	0	QPSK	23.83	23.70
1717.5	20025	15	1	36	QPSK	23.88	23.68
1717.5	20025	15	1	74	QPSK	23.88	23.70
1717.5	20025	15	37	0	QPSK	22.62	21.50
1717.5	20025	15	37	18	QPSK	22.53	21.39
1717.5	20025	15	37	38	QPSK	22.51	21.44
1717.5	20025	15	75	0	QPSK	22.57	21.45
1717.5	20025	15	1	0	16QAM	22.68	22.52
1717.5	20025	15	1	36	16QAM	22.80	22.57
1717.5	20025	15	1	74	16QAM	22.77	22.54
1717.5	20025	15	37	0	16QAM	21.57	20.60
1717.5	20025	15	37	18	16QAM	21.49	20.50
1717.5	20025	15	37	38	16QAM	21.50	20.47
1717.5	20025	15	75	0	16QAM	21.53	20.47
1732.5	20175	15	1	0	QPSK	24.03	23.84
1732.5	20175	15	1	36	QPSK	24.26	24.07
1732.5	20175	15	1	74	QPSK	23.98	23.72
1732.5	20175	15	37	0	QPSK	22.80	21.78
1732.5	20175	15	37	18	QPSK	23.01	21.92
1732.5	20175	15	37	38	QPSK	22.88	21.87
1732.5	20175	15	75	0	QPSK	22.83	21.68
1732.5	20175	15	1	0	16QAM	22.79	22.63
1732.5	20175	15	1	36	16QAM	23.23	22.85
1732.5	20175	15	1	74	16QAM	22.82	22.52
1732.5	20175	15	37	0	16QAM	21.80	20.74
1732.5	20175	15	37	18	16QAM	22.04	20.94
1732.5	20175	15	37	38	16QAM	21.90	20.75
1732.5	20175	15	75	0	16QAM	21.87	20.73

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1747.5	20325	15	1	0	QPSK	24.00	23.82
1747.5	20325	15	1	36	QPSK	23.60	23.42
1747.5	20325	15	1	74	QPSK	23.47	23.35
1747.5	20325	15	37	0	QPSK	22.61	21.49
1747.5	20325	15	37	18	QPSK	22.57	21.34
1747.5	20325	15	37	38	QPSK	22.51	21.31
1747.5	20325	15	75	0	QPSK	22.46	21.33
1747.5	20325	15	1	0	16QAM	22.90	22.44
1747.5	20325	15	1	36	16QAM	22.46	22.19
1747.5	20325	15	1	74	16QAM	22.44	22.06
1747.5	20325	15	37	0	16QAM	21.48	20.48
1747.5	20325	15	37	18	16QAM	21.50	20.40
1747.5	20325	15	37	38	16QAM	21.39	20.24
1747.5	20325	15	75	0	16QAM	21.49	20.35
1720.0	20050	20	1	0	QPSK	23.71	23.75
1720.0	20050	20	1	49	QPSK	23.65	23.56
1720.0	20050	20	1	99	QPSK	23.85	23.81
1720.0	20050	20	50	0	QPSK	22.36	21.36
1720.0	20050	20	50	24	QPSK	22.36	21.45
1720.0	20050	20	50	50	QPSK	22.52	21.52
1720.0	20050	20	100	0	QPSK	22.37	21.43
1720.0	20050	20	1	0	16QAM	22.62	22.93
1720.0	20050	20	1	49	16QAM	22.44	22.85
1720.0	20050	20	1	99	16QAM	22.77	23.11
1720.0	20050	20	50	0	16QAM	21.29	20.41
1720.0	20050	20	50	24	16QAM	21.41	20.44
1720.0	20050	20	50	50	16QAM	21.47	20.61
1720.0	20050	20	100	0	16QAM	21.47	20.53

(Table LTE1700/2100, 355519/05/000365/6 continues)

(Table for LTE1700/2100, 355519/05/000365/6 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1732.5	20175	20	1	0	QPSK	23.79	23.81
1732.5	20175	20	1	49	QPSK	24.07	24.14
1732.5	20175	20	1	99	QPSK	23.62	23.64
1732.5	20175	20	50	0	QPSK	22.68	21.73
1732.5	20175	20	50	24	QPSK	22.69	21.77
1732.5	20175	20	50	50	QPSK	22.53	21.66
1732.5	20175	20	100	0	QPSK	22.53	21.62
1732.5	20175	20	1	0	16QAM	22.30	22.98
1732.5	20175	20	1	49	16QAM	22.70	23.35
1732.5	20175	20	1	99	16QAM	22.23	22.82
1732.5	20175	20	50	0	16QAM	21.68	20.73
1732.5	20175	20	50	24	16QAM	21.75	20.83
1732.5	20175	20	50	50	16QAM	21.63	20.70
1732.5	20175	20	100	0	16QAM	21.61	20.68
1745.0	20300	20	1	0	QPSK	24.00	24.11
1745.0	20300	20	1	49	QPSK	23.41	23.59
1745.0	20300	20	1	99	QPSK	23.25	23.44
1745.0	20300	20	50	0	QPSK	22.44	21.48
1745.0	20300	20	50	24	QPSK	22.22	21.24
1745.0	20300	20	50	50	QPSK	22.19	21.33
1745.0	20300	20	100	0	QPSK	22.32	21.40
1745.0	20300	20	1	0	16QAM	22.80	23.12
1745.0	20300	20	1	49	16QAM	22.26	22.67
1745.0	20300	20	1	99	16QAM	22.01	22.50
1745.0	20300	20	50	0	16QAM	21.45	20.59
1745.0	20300	20	50	24	16QAM	21.31	20.31
1745.0	20300	20	50	50	16QAM	21.21	20.24
1745.0	20300	20	100	0	16QAM	21.31	20.46

Type: RM-893; Serial number: 355519/05/000415/9 used for LTE1700/2100 (Band4) for Wireless Router SAR measurements.

“Max Average Power (dBm)” column lists measured powers with MPR active. The “Reduced Power (dBm)” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101). A-MPR is not specified for LTE1700/2100 (Band 4) in 1.4MHz Channel BW in this specification (Table 6.2.4-1).

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1710.7	19957	1.4	1	0	QPSK	20.29	-
1710.7	19957	1.4	1	2	QPSK	20.33	-
1710.7	19957	1.4	1	5	QPSK	20.38	-
1710.7	19957	1.4	3	0	QPSK	20.37	-
1710.7	19957	1.4	3	2	QPSK	20.22	-
1710.7	19957	1.4	3	3	QPSK	20.31	-
1710.7	19957	1.4	6	0	QPSK	20.33	-
1710.7	19957	1.4	1	0	16QAM	20.45	-
1710.7	19957	1.4	1	2	16QAM	20.38	-
1710.7	19957	1.4	1	5	16QAM	20.30	-
1710.7	19957	1.4	3	0	16QAM	20.52	-
1710.7	19957	1.4	3	2	16QAM	20.46	-
1710.7	19957	1.4	3	3	16QAM	20.53	-
1710.7	19957	1.4	6	0	16QAM	20.38	-
1732.5	20175	1.4	1	0	QPSK	20.92	-
1732.5	20175	1.4	1	2	QPSK	20.95	-
1732.5	20175	1.4	1	5	QPSK	20.95	-
1732.5	20175	1.4	3	0	QPSK	20.93	-
1732.5	20175	1.4	3	2	QPSK	20.89	-
1732.5	20175	1.4	3	3	QPSK	20.86	-
1732.5	20175	1.4	6	0	QPSK	20.90	-
1732.5	20175	1.4	1	0	16QAM	20.87	-
1732.5	20175	1.4	1	2	16QAM	20.90	-
1732.5	20175	1.4	1	5	16QAM	20.88	-
1732.5	20175	1.4	3	0	16QAM	21.05	-
1732.5	20175	1.4	3	2	16QAM	20.97	-
1732.5	20175	1.4	3	3	16QAM	20.96	-
1732.5	20175	1.4	6	0	16QAM	20.98	-

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1754.3	20393	1.4	1	0	QPSK	20.27	-
1754.3	20393	1.4	1	2	QPSK	20.41	-
1754.3	20393	1.4	1	5	QPSK	20.22	-
1754.3	20393	1.4	3	0	QPSK	20.26	-
1754.3	20393	1.4	3	2	QPSK	20.29	-
1754.3	20393	1.4	3	3	QPSK	20.26	-
1754.3	20393	1.4	6	0	QPSK	20.28	-
1754.3	20393	1.4	1	0	16QAM	20.30	-
1754.3	20393	1.4	1	2	16QAM	20.47	-
1754.3	20393	1.4	1	5	16QAM	20.43	-
1754.3	20393	1.4	3	0	16QAM	20.24	-
1754.3	20393	1.4	3	2	16QAM	20.16	-
1754.3	20393	1.4	3	3	16QAM	20.26	-
1754.3	20393	1.4	6	0	16QAM	20.36	-
1711.5	19965	3	1	0	QPSK	20.41	20.37
1711.5	19965	3	1	7	QPSK	20.35	20.42
1711.5	19965	3	1	14	QPSK	20.34	20.29
1711.5	19965	3	8	0	QPSK	20.25	20.39
1711.5	19965	3	8	3	QPSK	20.28	20.35
1711.5	19965	3	8	7	QPSK	20.18	20.36
1711.5	19965	3	15	0	QPSK	20.21	20.38
1711.5	19965	3	1	0	16QAM	20.05	20.24
1711.5	19965	3	1	7	16QAM	19.98	20.16
1711.5	19965	3	1	14	16QAM	20.00	20.21
1732.5	20175	3	8	0	16QAM	20.27	20.32
1732.5	20175	3	8	3	16QAM	20.32	20.28
1732.5	20175	3	8	7	16QAM	20.33	20.24
1732.5	20175	3	15	0	16QAM	20.36	20.28

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1732.5	20175	3	1	0	QPSK	20.72	20.69
1732.5	20175	3	1	7	QPSK	20.89	20.91
1732.5	20175	3	1	14	QPSK	20.75	20.80
1732.5	20175	3	8	0	QPSK	20.85	20.79
1732.5	20175	3	8	3	QPSK	20.88	20.82
1732.5	20175	3	8	7	QPSK	20.85	20.80
1732.5	20175	3	15	0	QPSK	20.81	20.75
1732.5	20175	3	1	0	16QAM	20.45	20.53
1732.5	20175	3	1	7	16QAM	20.52	20.75
1732.5	20175	3	1	14	16QAM	20.52	20.71
1732.5	20175	3	8	0	16QAM	20.79	20.74
1732.5	20175	3	8	3	16QAM	20.83	20.75
1732.5	20175	3	8	7	16QAM	20.73	20.74
1732.5	20175	3	15	0	16QAM	20.85	20.84
1753.5	20385	3	1	0	QPSK	20.40	20.37
1753.5	20385	3	1	7	QPSK	20.31	20.26
1753.5	20385	3	1	14	QPSK	20.26	20.19
1753.5	20385	3	8	0	QPSK	20.39	20.29
1753.5	20385	3	8	3	QPSK	20.18	20.21
1753.5	20385	3	8	7	QPSK	20.16	20.17
1753.5	20385	3	15	0	QPSK	20.15	20.17
1753.5	20385	3	1	0	16QAM	20.05	20.58
1753.5	20385	3	1	7	16QAM	19.98	20.46
1753.5	20385	3	1	14	16QAM	19.85	20.41
1753.5	20385	3	8	0	16QAM	20.17	20.24
1753.5	20385	3	8	3	16QAM	20.06	20.12
1753.5	20385	3	8	7	16QAM	20.07	20.07
1753.5	20385	3	15	0	16QAM	20.09	20.15

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1712.5	19975	5	1	0	QPSK	20.35	20.47
1712.5	19975	5	1	12	QPSK	20.40	20.41
1712.5	19975	5	1	24	QPSK	20.40	20.42
1712.5	19975	5	12	0	QPSK	20.33	20.34
1712.5	19975	5	12	6	QPSK	20.31	20.31
1712.5	19975	5	12	13	QPSK	20.22	20.25
1712.5	19975	5	25	0	QPSK	20.27	20.14
1712.5	19975	5	1	0	16QAM	20.43	20.34
1712.5	19975	5	1	12	16QAM	20.35	20.20
1712.5	19975	5	1	24	16QAM	20.54	20.21
1712.5	19975	5	12	0	16QAM	20.37	20.38
1712.5	19975	5	12	6	16QAM	20.40	20.28
1712.5	19975	5	12	13	16QAM	20.28	20.32
1712.5	19975	5	25	0	16QAM	20.12	20.22
1732.5	20175	5	1	0	QPSK	20.79	20.83
1732.5	20175	5	1	12	QPSK	20.91	20.85
1732.5	20175	5	1	24	QPSK	20.83	20.75
1732.5	20175	5	12	0	QPSK	20.76	20.74
1732.5	20175	5	12	6	QPSK	20.77	20.85
1732.5	20175	5	12	13	QPSK	20.77	20.79
1732.5	20175	5	25	0	QPSK	20.73	20.72
1732.5	20175	5	1	0	16QAM	20.86	20.76
1732.5	20175	5	1	12	16QAM	21.05	20.84
1732.5	20175	5	1	24	16QAM	21.00	20.79
1732.5	20175	5	12	0	16QAM	20.75	20.65
1732.5	20175	5	12	6	16QAM	20.78	20.70
1732.5	20175	5	12	13	16QAM	20.94	20.79
1732.5	20175	5	25	0	16QAM	20.73	20.74

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1752.5	20375	5	1	0	QPSK	20.38	20.36
1752.5	20375	5	1	12	QPSK	20.35	20.33
1752.5	20375	5	1	24	QPSK	20.22	20.22
1752.5	20375	5	12	0	QPSK	20.32	20.34
1752.5	20375	5	12	6	QPSK	20.30	20.25
1752.5	20375	5	12	13	QPSK	20.17	20.16
1752.5	20375	5	25	0	QPSK	20.18	20.24
1752.5	20375	5	1	0	16QAM	20.44	20.31
1752.5	20375	5	1	12	16QAM	20.47	20.21
1752.5	20375	5	1	24	16QAM	20.34	20.08
1752.5	20375	5	12	0	16QAM	20.36	20.21
1752.5	20375	5	12	6	16QAM	20.36	20.18
1752.5	20375	5	12	13	16QAM	20.30	20.03
1752.5	20375	5	25	0	16QAM	20.19	20.14
1715.0	20000	10	1	0	QPSK	20.53	20.39
1715.0	20000	10	1	24	QPSK	20.44	20.50
1715.0	20000	10	1	49	QPSK	20.31	20.32
1715.0	20000	10	25	0	QPSK	20.18	20.24
1715.0	20000	10	25	12	QPSK	20.23	20.20
1715.0	20000	10	25	25	QPSK	20.19	20.16
1715.0	20000	10	50	0	QPSK	20.17	20.14
1715.0	20000	10	1	0	16QAM	20.24	20.52
1715.0	20000	10	1	24	16QAM	20.31	20.45
1715.0	20000	10	1	49	16QAM	20.18	20.50
1715.0	20000	10	25	0	16QAM	20.23	20.09
1715.0	20000	10	25	12	16QAM	20.22	20.11
1715.0	20000	10	25	25	16QAM	20.18	20.08
1715.0	20000	10	50	0	16QAM	20.05	20.08

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1732.5	20175	10	1	0	QPSK	20.75	20.66
1732.5	20175	10	1	24	QPSK	20.87	20.84
1732.5	20175	10	1	49	QPSK	20.71	20.69
1732.5	20175	10	25	0	QPSK	20.65	20.69
1732.5	20175	10	25	12	QPSK	20.72	20.71
1732.5	20175	10	25	25	QPSK	20.67	20.68
1732.5	20175	10	50	0	QPSK	20.55	20.50
1732.5	20175	10	1	0	16QAM	20.62	20.77
1732.5	20175	10	1	24	16QAM	20.67	20.92
1732.5	20175	10	1	49	16QAM	20.56	20.74
1732.5	20175	10	25	0	16QAM	20.64	20.62
1732.5	20175	10	25	12	16QAM	20.73	20.64
1732.5	20175	10	25	25	16QAM	20.62	20.52
1732.5	20175	10	50	0	16QAM	20.52	20.47
1750.0	20350	10	1	0	QPSK	20.25	20.31
1750.0	20350	10	1	24	QPSK	20.31	20.19
1750.0	20350	10	1	49	QPSK	20.00	20.01
1750.0	20350	10	25	0	QPSK	20.08	20.18
1750.0	20350	10	25	12	QPSK	20.03	20.08
1750.0	20350	10	25	25	QPSK	20.11	20.07
1750.0	20350	10	50	0	QPSK	19.96	19.97
1750.0	20350	10	1	0	16QAM	20.28	20.36
1750.0	20350	10	1	24	16QAM	20.08	20.25
1750.0	20350	10	1	49	16QAM	20.00	20.11
1750.0	20350	10	25	0	16QAM	20.02	20.08
1750.0	20350	10	25	12	16QAM	20.04	19.98
1750.0	20350	10	25	25	16QAM	20.03	19.96
1750.0	20350	10	50	0	16QAM	19.96	19.88

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1717.5	20025	15	1	0	QPSK	20.49	20.37
1717.5	20025	15	1	36	QPSK	20.38	20.41
1717.5	20025	15	1	74	QPSK	20.57	20.53
1717.5	20025	15	37	0	QPSK	20.28	20.30
1717.5	20025	15	37	18	QPSK	20.21	20.11
1717.5	20025	15	37	38	QPSK	20.23	20.19
1717.5	20025	15	75	0	QPSK	20.15	20.16
1717.5	20025	15	1	0	16QAM	20.55	20.13
1717.5	20025	15	1	36	16QAM	20.50	20.08
1717.5	20025	15	1	74	16QAM	20.71	20.16
1717.5	20025	15	37	0	16QAM	20.27	20.22
1717.5	20025	15	37	18	16QAM	20.17	20.12
1717.5	20025	15	37	38	16QAM	20.19	20.18
1717.5	20025	15	75	0	16QAM	20.12	20.11
1732.5	20175	15	1	0	QPSK	20.76	20.67
1732.5	20175	15	1	36	QPSK	20.93	20.81
1732.5	20175	15	1	74	QPSK	20.41	20.48
1732.5	20175	15	37	0	QPSK	20.51	20.45
1732.5	20175	15	37	18	QPSK	20.63	20.66
1732.5	20175	15	37	38	QPSK	20.56	20.54
1732.5	20175	15	75	0	QPSK	20.50	20.46
1732.5	20175	15	1	0	16QAM	20.89	20.28
1732.5	20175	15	1	36	16QAM	21.09	20.56
1732.5	20175	15	1	74	16QAM	20.57	20.13
1732.5	20175	15	37	0	16QAM	20.50	20.42
1732.5	20175	15	37	18	16QAM	20.62	20.62
1732.5	20175	15	37	38	16QAM	20.56	20.53
1732.5	20175	15	75	0	16QAM	20.39	20.45

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1747.5	20325	15	1	0	QPSK	20.58	20.54
1747.5	20325	15	1	36	QPSK	20.23	20.22
1747.5	20325	15	1	74	QPSK	20.06	20.13
1747.5	20325	15	37	0	QPSK	20.22	20.30
1747.5	20325	15	37	18	QPSK	20.02	20.05
1747.5	20325	15	37	38	QPSK	19.98	20.00
1747.5	20325	15	75	0	QPSK	20.13	20.03
1747.5	20325	15	1	0	16QAM	20.56	20.19
1747.5	20325	15	1	36	16QAM	20.35	20.05
1747.5	20325	15	1	74	16QAM	20.17	19.70
1747.5	20325	15	37	0	16QAM	20.23	20.22
1747.5	20325	15	37	18	16QAM	20.02	19.96
1747.5	20325	15	37	38	16QAM	20.00	19.95
1747.5	20325	15	75	0	16QAM	20.02	20.04
1720.0	20050	20	1	0	QPSK	20.28	20.28
1720.0	20050	20	1	49	QPSK	20.31	20.25
1720.0	20050	20	1	99	QPSK	20.47	20.49
1720.0	20050	20	50	0	QPSK	20.09	20.08
1720.0	20050	20	50	24	QPSK	20.10	20.13
1720.0	20050	20	50	50	QPSK	20.26	20.19
1720.0	20050	20	100	0	QPSK	20.16	20.21
1720.0	20050	20	1	0	16QAM	20.20	20.22
1720.0	20050	20	1	49	16QAM	20.10	20.13
1720.0	20050	20	1	99	16QAM	20.44	20.40
1720.0	20050	20	50	0	16QAM	19.96	19.95
1720.0	20050	20	50	24	16QAM	20.08	20.02
1720.0	20050	20	50	50	16QAM	20.16	20.11
1720.0	20050	20	100	0	16QAM	20.18	20.12

(Table LTE1700/2100, 355519/05/000415/9 continues)

(Table for LTE1700/2100, 355519/05/000415/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1732.5	20175	20	1	0	QPSK	20.53	20.44
1732.5	20175	20	1	49	QPSK	20.77	20.87
1732.5	20175	20	1	99	QPSK	20.30	20.40
1732.5	20175	20	50	0	QPSK	20.49	20.46
1732.5	20175	20	50	24	QPSK	20.57	20.57
1732.5	20175	20	50	50	QPSK	20.35	20.29
1732.5	20175	20	100	0	QPSK	20.43	20.44
1732.5	20175	20	1	0	16QAM	20.26	20.76
1732.5	20175	20	1	49	16QAM	20.59	21.12
1732.5	20175	20	1	99	16QAM	20.01	20.63
1732.5	20175	20	50	0	16QAM	20.45	20.39
1732.5	20175	20	50	24	16QAM	20.55	20.44
1732.5	20175	20	50	50	16QAM	20.33	20.29
1732.5	20175	20	100	0	16QAM	20.42	20.43
1745.0	20300	20	1	0	QPSK	20.78	20.81
1745.0	20300	20	1	49	QPSK	20.32	20.39
1745.0	20300	20	1	99	QPSK	20.01	20.07
1745.0	20300	20	50	0	QPSK	20.34	20.35
1745.0	20300	20	50	24	QPSK	20.09	20.08
1745.0	20300	20	50	50	QPSK	19.96	19.89
1745.0	20300	20	100	0	QPSK	20.25	20.16
1745.0	20300	20	1	0	16QAM	20.46	21.03
1745.0	20300	20	1	49	16QAM	20.11	20.55
1745.0	20300	20	1	99	16QAM	19.80	20.19
1745.0	20300	20	50	0	16QAM	20.30	20.24
1745.0	20300	20	50	24	16QAM	20.12	20.06
1745.0	20300	20	50	50	16QAM	19.90	19.90
1745.0	20300	20	100	0	16QAM	20.13	20.23

Type: RM-893; Serial number: 355519/05/000397/9 used for LTE1900 (Band2) for Head and Body-worn SAR measurements.

“Max Average Power (dBm)” column lists measured powers with MPR active. The “Reduced Power (dBm)” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101). A-MPR is not specified for LTE1900 (Band 2) in 1.4MHz Channel BW in this specification (Table 6.2.4-1).

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1850.7	18607	1.4	1	0	QPSK	23.70	-
1850.7	18607	1.4	1	2	QPSK	23.79	-
1850.7	18607	1.4	1	5	QPSK	23.68	-
1850.7	18607	1.4	3	0	QPSK	23.64	-
1850.7	18607	1.4	3	2	QPSK	23.64	-
1850.7	18607	1.4	3	3	QPSK	23.67	-
1850.7	18607	1.4	6	0	QPSK	22.57	-
1850.7	18607	1.4	1	0	16QAM	22.64	-
1850.7	18607	1.4	1	2	16QAM	22.68	-
1850.7	18607	1.4	1	5	16QAM	22.73	-
1850.7	18607	1.4	3	0	16QAM	22.57	-
1850.7	18607	1.4	3	2	16QAM	22.66	-
1850.7	18607	1.4	3	3	16QAM	22.63	-
1850.7	18607	1.4	6	0	16QAM	21.78	-
1880.0	18900	1.4	1	0	QPSK	24.07	-
1880.0	18900	1.4	1	2	QPSK	24.12	-
1880.0	18900	1.4	1	5	QPSK	24.07	-
1880.0	18900	1.4	3	0	QPSK	24.08	-
1880.0	18900	1.4	3	2	QPSK	23.95	-
1880.0	18900	1.4	3	3	QPSK	24.01	-
1880.0	18900	1.4	6	0	QPSK	23.06	-
1880.0	18900	1.4	1	0	16QAM	23.27	-
1880.0	18900	1.4	1	2	16QAM	23.16	-
1880.0	18900	1.4	1	5	16QAM	23.24	-
1880.0	18900	1.4	3	0	16QAM	23.14	-
1880.0	18900	1.4	3	2	16QAM	23.08	-
1880.0	18900	1.4	3	3	16QAM	23.04	-
1880.0	18900	1.4	6	0	16QAM	22.04	-

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1909.3	19193	1.4	1	0	QPSK	23.62	-
1909.3	19193	1.4	1	2	QPSK	23.57	-
1909.3	19193	1.4	1	5	QPSK	23.64	-
1909.3	19193	1.4	3	0	QPSK	23.54	-
1909.3	19193	1.4	3	2	QPSK	23.55	-
1909.3	19193	1.4	3	3	QPSK	23.49	-
1909.3	19193	1.4	6	0	QPSK	22.57	-
1909.3	19193	1.4	1	0	16QAM	22.81	-
1909.3	19193	1.4	1	2	16QAM	22.73	-
1909.3	19193	1.4	1	5	16QAM	22.73	-
1909.3	19193	1.4	3	0	16QAM	22.71	-
1909.3	19193	1.4	3	2	16QAM	22.68	-
1909.3	19193	1.4	3	3	16QAM	22.68	-
1909.3	19193	1.4	6	0	16QAM	21.57	-
1851.5	18615	3	1	0	QPSK	23.63	23.58
1851.5	18615	3	1	7	QPSK	23.66	23.57
1851.5	18615	3	1	14	QPSK	23.61	23.52
1851.5	18615	3	8	0	QPSK	22.58	21.47
1851.5	18615	3	8	3	QPSK	22.55	21.60
1851.5	18615	3	8	7	QPSK	22.56	21.55
1851.5	18615	3	15	0	QPSK	22.48	21.50
1851.5	18615	3	1	0	16QAM	22.49	22.76
1851.5	18615	3	1	7	16QAM	22.51	22.80
1851.5	18615	3	1	14	16QAM	22.46	22.59
1851.5	18615	3	8	0	16QAM	21.66	20.59
1851.5	18615	3	8	3	16QAM	21.65	20.56
1851.5	18615	3	8	7	16QAM	21.62	20.62
1851.5	18615	3	15	0	16QAM	21.69	20.50

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1880.0	18900	3	1	0	QPSK	23.98	23.96
1880.0	18900	3	1	7	QPSK	24.00	24.01
1880.0	18900	3	1	14	QPSK	23.84	23.89
1880.0	18900	3	8	0	QPSK	23.00	22.07
1880.0	18900	3	8	3	QPSK	23.00	21.98
1880.0	18900	3	8	7	QPSK	22.93	21.96
1880.0	18900	3	15	0	QPSK	22.94	21.97
1880.0	18900	3	1	0	16QAM	22.71	23.11
1880.0	18900	3	1	7	16QAM	22.50	22.97
1880.0	18900	3	1	14	16QAM	22.47	22.84
1880.0	18900	3	8	0	16QAM	21.96	20.88
1880.0	18900	3	8	3	16QAM	22.03	20.94
1880.0	18900	3	8	7	16QAM	21.97	20.88
1880.0	18900	3	15	0	16QAM	22.00	20.79
1908.5	19185	3	1	0	QPSK	23.52	23.55
1908.5	19185	3	1	7	QPSK	23.47	23.44
1908.5	19185	3	1	14	QPSK	23.49	23.51
1908.5	19185	3	8	0	QPSK	22.66	21.58
1908.5	19185	3	8	3	QPSK	22.53	21.56
1908.5	19185	3	8	7	QPSK	22.56	21.54
1908.5	19185	3	15	0	QPSK	22.49	21.51
1908.5	19185	3	1	0	16QAM	22.27	22.78
1908.5	19185	3	1	7	16QAM	22.12	22.63
1908.5	19185	3	1	14	16QAM	22.24	22.76
1908.5	19185	3	8	0	16QAM	21.53	20.57
1908.5	19185	3	8	3	16QAM	21.56	20.43
1908.5	19185	3	8	7	16QAM	21.57	20.51
1908.5	19185	3	15	0	16QAM	21.53	20.47

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1852.5	18625	5	1	0	QPSK	23.55	23.66
1852.5	18625	5	1	12	QPSK	23.58	23.55
1852.5	18625	5	1	24	QPSK	23.40	23.56
1852.5	18625	5	12	0	QPSK	22.49	21.60
1852.5	18625	5	12	6	QPSK	22.50	21.54
1852.5	18625	5	12	13	QPSK	22.46	21.55
1852.5	18625	5	25	0	QPSK	22.29	21.31
1852.5	18625	5	1	0	16QAM	22.40	22.41
1852.5	18625	5	1	12	16QAM	22.39	22.51
1852.5	18625	5	1	24	16QAM	22.25	22.26
1852.5	18625	5	12	0	16QAM	21.52	20.76
1852.5	18625	5	12	6	16QAM	21.54	20.69
1852.5	18625	5	12	13	16QAM	21.52	20.69
1852.5	18625	5	25	0	16QAM	21.33	20.54
1880.0	18900	5	1	0	QPSK	23.76	23.84
1880.0	18900	5	1	12	QPSK	23.84	23.99
1880.0	18900	5	1	24	QPSK	23.75	23.83
1880.0	18900	5	12	0	QPSK	22.88	22.03
1880.0	18900	5	12	6	QPSK	22.87	21.99
1880.0	18900	5	12	13	QPSK	22.89	21.96
1880.0	18900	5	25	0	QPSK	22.82	21.85
1880.0	18900	5	1	0	16QAM	22.65	22.73
1880.0	18900	5	1	12	16QAM	22.78	22.75
1880.0	18900	5	1	24	16QAM	22.45	22.74
1880.0	18900	5	12	0	16QAM	21.92	21.05
1880.0	18900	5	12	6	16QAM	22.01	21.00
1880.0	18900	5	12	13	16QAM	21.87	20.97
1880.0	18900	5	25	0	16QAM	21.77	20.93

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1907.5	19175	5	1	0	QPSK	23.37	23.43
1907.5	19175	5	1	12	QPSK	23.52	23.53
1907.5	19175	5	1	24	QPSK	23.46	23.49
1907.5	19175	5	12	0	QPSK	22.44	21.54
1907.5	19175	5	12	6	QPSK	22.47	21.55
1907.5	19175	5	12	13	QPSK	22.47	21.53
1907.5	19175	5	25	0	QPSK	22.34	21.41
1907.5	19175	5	1	0	16QAM	22.61	22.21
1907.5	19175	5	1	12	16QAM	22.73	22.28
1907.5	19175	5	1	24	16QAM	22.54	22.11
1907.5	19175	5	12	0	16QAM	21.53	20.51
1907.5	19175	5	12	6	16QAM	21.64	20.67
1907.5	19175	5	12	13	16QAM	21.53	20.63
1907.5	19175	5	25	0	16QAM	21.29	20.40
1855.0	18650	10	1	0	QPSK	23.59	23.67
1855.0	18650	10	1	24	QPSK	23.49	23.48
1855.0	18650	10	1	49	QPSK	23.42	23.58
1855.0	18650	10	25	0	QPSK	22.54	21.46
1855.0	18650	10	25	12	QPSK	22.37	21.49
1855.0	18650	10	25	25	QPSK	22.45	21.45
1855.0	18650	10	50	0	QPSK	22.23	21.27
1855.0	18650	10	1	0	16QAM	22.47	22.32
1855.0	18650	10	1	24	16QAM	22.36	22.20
1855.0	18650	10	1	49	16QAM	22.26	22.20
1855.0	18650	10	25	0	16QAM	21.48	20.47
1855.0	18650	10	25	12	16QAM	21.42	20.41
1855.0	18650	10	25	25	16QAM	21.42	20.37
1855.0	18650	10	50	0	16QAM	21.35	20.31

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1880.0	18900	10	1	0	QPSK	23.98	23.86
1880.0	18900	10	1	24	QPSK	23.98	24.03
1880.0	18900	10	1	49	QPSK	23.85	23.84
1880.0	18900	10	25	0	QPSK	22.93	21.86
1880.0	18900	10	25	12	QPSK	22.83	21.95
1880.0	18900	10	25	25	QPSK	22.95	21.90
1880.0	18900	10	50	0	QPSK	22.75	21.77
1880.0	18900	10	1	0	16QAM	22.75	22.83
1880.0	18900	10	1	24	16QAM	22.90	22.75
1880.0	18900	10	1	49	16QAM	22.58	22.61
1880.0	18900	10	25	0	16QAM	21.90	20.84
1880.0	18900	10	25	12	16QAM	21.90	20.84
1880.0	18900	10	25	25	16QAM	21.85	20.78
1880.0	18900	10	50	0	16QAM	21.79	20.76
1905.0	19150	10	1	0	QPSK	23.44	23.42
1905.0	19150	10	1	24	QPSK	23.61	23.49
1905.0	19150	10	1	49	QPSK	23.55	23.61
1905.0	19150	10	25	0	QPSK	22.44	21.44
1905.0	19150	10	25	12	QPSK	22.48	21.45
1905.0	19150	10	25	25	QPSK	22.48	21.49
1905.0	19150	10	50	0	QPSK	22.38	21.45
1905.0	19150	10	1	0	16QAM	22.45	22.44
1905.0	19150	10	1	24	16QAM	22.44	22.38
1905.0	19150	10	1	49	16QAM	22.37	22.28
1905.0	19150	10	25	0	16QAM	21.40	20.28
1905.0	19150	10	25	12	16QAM	21.44	20.43
1905.0	19150	10	25	25	16QAM	21.49	20.42
1905.0	19150	10	50	0	16QAM	21.37	20.39

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1857.5	18675	15	1	0	QPSK	23.73	23.63
1857.5	18675	15	1	36	QPSK	23.55	23.53
1857.5	18675	15	1	74	QPSK	23.48	23.53
1857.5	18675	15	37	0	QPSK	22.36	21.44
1857.5	18675	15	37	18	QPSK	22.33	21.38
1857.5	18675	15	37	38	QPSK	22.25	21.32
1857.5	18675	15	75	0	QPSK	22.27	21.28
1857.5	18675	15	1	0	16QAM	22.81	22.89
1857.5	18675	15	1	36	16QAM	22.65	22.60
1857.5	18675	15	1	74	16QAM	22.54	22.63
1857.5	18675	15	37	0	16QAM	21.36	20.52
1857.5	18675	15	37	18	16QAM	21.37	20.39
1857.5	18675	15	37	38	16QAM	21.36	20.24
1857.5	18675	15	75	0	16QAM	21.30	20.34
1880.0	18900	15	1	0	QPSK	23.95	23.90
1880.0	18900	15	1	36	QPSK	24.02	23.99
1880.0	18900	15	1	74	QPSK	23.74	23.75
1880.0	18900	15	37	0	QPSK	22.91	21.87
1880.0	18900	15	37	18	QPSK	22.78	21.85
1880.0	18900	15	37	38	QPSK	22.71	21.78
1880.0	18900	15	75	0	QPSK	22.64	21.70
1880.0	18900	15	1	0	16QAM	22.96	23.09
1880.0	18900	15	1	36	16QAM	23.13	23.07
1880.0	18900	15	1	74	16QAM	22.83	22.97
1880.0	18900	15	37	0	16QAM	21.91	20.93
1880.0	18900	15	37	18	16QAM	21.89	20.92
1880.0	18900	15	37	38	16QAM	21.68	20.78
1880.0	18900	15	75	0	16QAM	21.63	20.74

(Table LTE1900, 355519/05/000397/9 continues)

(Table LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1902.5	19125	15	1	0	QPSK	23.61	23.61
1902.5	19125	15	1	36	QPSK	23.51	23.55
1902.5	19125	15	1	74	QPSK	23.62	23.49
1902.5	19125	15	37	0	QPSK	22.38	21.36
1902.5	19125	15	37	18	QPSK	22.41	21.42
1902.5	19125	15	37	38	QPSK	22.43	21.44
1902.5	19125	15	75	0	QPSK	22.32	21.30
1902.5	19125	15	1	0	16QAM	22.76	22.85
1902.5	19125	15	1	36	16QAM	22.80	22.72
1902.5	19125	15	1	74	16QAM	22.66	22.86
1902.5	19125	15	37	0	16QAM	21.29	20.45
1902.5	19125	15	37	18	16QAM	21.41	20.47
1902.5	19125	15	37	38	16QAM	21.41	20.45
1902.5	19125	15	75	0	16QAM	21.27	20.40
1860.0	18700	20	1	0	QPSK	23.75	23.63
1860.0	18700	20	1	49	QPSK	23.43	23.47
1860.0	18700	20	1	99	QPSK	23.67	23.61
1860.0	18700	20	50	0	QPSK	22.37	21.36
1860.0	18700	20	50	24	QPSK	22.18	21.26
1860.0	18700	20	50	50	QPSK	22.34	21.34
1860.0	18700	20	100	0	QPSK	22.26	21.25
1860.0	18700	20	1	0	16QAM	22.37	22.63
1860.0	18700	20	1	49	16QAM	22.19	22.27
1860.0	18700	20	1	99	16QAM	22.21	22.50
1860.0	18700	20	50	0	16QAM	21.38	20.44
1860.0	18700	20	50	24	16QAM	21.31	20.36
1860.0	18700	20	50	50	16QAM	21.39	20.34
1860.0	18700	20	100	0	16QAM	21.27	20.31

(Table LTE1900, 355519/05/000397/9 continues)

(Table for LTE1900, 355519/05/000397/9 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1880.0	18900	20	1	0	QPSK	23.77	23.69
1880.0	18900	20	1	49	QPSK	23.95	23.89
1880.0	18900	20	1	99	QPSK	23.71	23.62
1880.0	18900	20	50	0	QPSK	22.71	21.78
1880.0	18900	20	50	24	QPSK	22.80	21.76
1880.0	18900	20	50	50	QPSK	22.64	21.70
1880.0	18900	20	100	0	QPSK	22.65	21.71
1880.0	18900	20	1	0	16QAM	22.57	22.82
1880.0	18900	20	1	49	16QAM	22.79	22.91
1880.0	18900	20	1	99	16QAM	22.26	22.56
1880.0	18900	20	50	0	16QAM	21.71	20.76
1880.0	18900	20	50	24	16QAM	21.73	20.81
1880.0	18900	20	50	50	16QAM	21.65	20.67
1880.0	18900	20	100	0	16QAM	21.74	20.71
1900.0	19100	20	1	0	QPSK	23.83	23.84
1900.0	19100	20	1	49	QPSK	23.49	23.47
1900.0	19100	20	1	99	QPSK	23.52	23.55
1900.0	19100	20	50	0	QPSK	22.39	21.35
1900.0	19100	20	50	24	QPSK	22.33	21.32
1900.0	19100	20	50	50	QPSK	22.41	21.39
1900.0	19100	20	100	0	QPSK	22.34	21.35
1900.0	19100	20	1	0	16QAM	22.47	22.78
1900.0	19100	20	1	49	16QAM	22.26	22.73
1900.0	19100	20	1	99	16QAM	22.27	22.64
1900.0	19100	20	50	0	16QAM	21.39	20.40
1900.0	19100	20	50	24	16QAM	21.31	20.32
1900.0	19100	20	50	50	16QAM	21.28	20.39
1900.0	19100	20	100	0	16QAM	21.38	20.45

Type: RM-893; Serial number: 355519/05/000377/1 used for LTE1900 (Band2) for Wireless Router SAR measurements.

“Max Average Power (dBm)” column lists measured powers with MPR active. The “Reduced Power (dBm)” column lists measured powers with MPR and A-MPR active (as defined by 3GPP TS 36.101). A-MPR is not specified for LTE1900 (Band 2) in 1.4MHz Channel BW in this specification (Table 6.2.4-1).

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1850.7	18607	1.4	1	0	QPSK	20.40	-
1850.7	18607	1.4	1	2	QPSK	20.30	-
1850.7	18607	1.4	1	5	QPSK	20.34	-
1850.7	18607	1.4	3	0	QPSK	20.32	-
1850.7	18607	1.4	3	2	QPSK	20.39	-
1850.7	18607	1.4	3	3	QPSK	20.32	-
1850.7	18607	1.4	6	0	QPSK	20.26	-
1850.7	18607	1.4	1	0	16QAM	20.18	-
1850.7	18607	1.4	1	2	16QAM	20.16	-
1850.7	18607	1.4	1	5	16QAM	20.20	-
1850.7	18607	1.4	3	0	16QAM	20.56	-
1850.7	18607	1.4	3	2	16QAM	20.38	-
1850.7	18607	1.4	3	3	16QAM	20.39	-
1850.7	18607	1.4	6	0	16QAM	20.42	-
1880.0	18900	1.4	1	0	QPSK	20.84	-
1880.0	18900	1.4	1	2	QPSK	20.79	-
1880.0	18900	1.4	1	5	QPSK	20.72	-
1880.0	18900	1.4	3	0	QPSK	20.76	-
1880.0	18900	1.4	3	2	QPSK	20.80	-
1880.0	18900	1.4	3	3	QPSK	20.78	-
1880.0	18900	1.4	6	0	QPSK	20.81	-
1880.0	18900	1.4	1	0	16QAM	20.50	-
1880.0	18900	1.4	1	2	16QAM	20.51	-
1880.0	18900	1.4	1	5	16QAM	20.41	-
1880.0	18900	1.4	3	0	16QAM	20.94	-
1880.0	18900	1.4	3	2	16QAM	20.88	-
1880.0	18900	1.4	3	3	16QAM	20.82	-
1880.0	18900	1.4	6	0	16QAM	20.70	-

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1909.3	19193	1.4	1	0	QPSK	20.31	-
1909.3	19193	1.4	1	2	QPSK	20.29	-
1909.3	19193	1.4	1	5	QPSK	20.34	-
1909.3	19193	1.4	3	0	QPSK	20.34	-
1909.3	19193	1.4	3	2	QPSK	20.31	-
1909.3	19193	1.4	3	3	QPSK	20.35	-
1909.3	19193	1.4	6	0	QPSK	20.27	-
1909.3	19193	1.4	1	0	16QAM	19.91	-
1909.3	19193	1.4	1	2	16QAM	19.84	-
1909.3	19193	1.4	1	5	16QAM	20.09	-
1909.3	19193	1.4	3	0	16QAM	20.38	-
1909.3	19193	1.4	3	2	16QAM	20.45	-
1909.3	19193	1.4	3	3	16QAM	20.43	-
1909.3	19193	1.4	6	0	16QAM	20.31	-
1851.5	18615	3	1	0	QPSK	20.48	20.39
1851.5	18615	3	1	7	QPSK	20.39	20.36
1851.5	18615	3	1	14	QPSK	20.28	20.40
1851.5	18615	3	8	0	QPSK	20.38	20.32
1851.5	18615	3	8	3	QPSK	20.30	20.33
1851.5	18615	3	8	7	QPSK	20.31	20.32
1851.5	18615	3	15	0	QPSK	20.32	20.26
1851.5	18615	3	1	0	16QAM	20.28	20.56
1851.5	18615	3	1	7	16QAM	20.29	20.53
1851.5	18615	3	1	14	16QAM	20.34	20.43
1851.5	18615	3	8	0	16QAM	20.30	20.18
1851.5	18615	3	8	3	16QAM	20.29	20.19
1851.5	18615	3	8	7	16QAM	20.27	20.24
1851.5	18615	3	15	0	16QAM	20.29	20.33

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1880.0	18900	3	1	0	QPSK	20.80	20.82
1880.0	18900	3	1	7	QPSK	20.75	20.83
1880.0	18900	3	1	14	QPSK	20.78	20.72
1880.0	18900	3	8	0	QPSK	20.81	20.70
1880.0	18900	3	8	3	QPSK	20.80	20.69
1880.0	18900	3	8	7	QPSK	20.77	20.75
1880.0	18900	3	15	0	QPSK	20.75	20.73
1880.0	18900	3	1	0	16QAM	20.70	20.91
1880.0	18900	3	1	7	16QAM	20.70	21.01
1880.0	18900	3	1	14	16QAM	20.73	20.90
1880.0	18900	3	8	0	16QAM	20.69	20.58
1880.0	18900	3	8	3	16QAM	20.68	20.61
1880.0	18900	3	8	7	16QAM	20.71	20.61
1880.0	18900	3	15	0	16QAM	20.68	20.71
1908.5	19185	3	1	0	QPSK	20.37	20.46
1908.5	19185	3	1	7	QPSK	20.24	20.29
1908.5	19185	3	1	14	QPSK	20.38	20.40
1908.5	19185	3	8	0	QPSK	20.36	20.31
1908.5	19185	3	8	3	QPSK	20.35	20.26
1908.5	19185	3	8	7	QPSK	20.33	20.21
1908.5	19185	3	15	0	QPSK	20.30	20.25
1908.5	19185	3	1	0	16QAM	20.57	20.54
1908.5	19185	3	1	7	16QAM	20.51	20.40
1908.5	19185	3	1	14	16QAM	20.53	20.58
1908.5	19185	3	8	0	16QAM	20.26	20.26
1908.5	19185	3	8	3	16QAM	20.22	20.13
1908.5	19185	3	8	7	16QAM	20.26	20.16
1908.5	19185	3	15	0	16QAM	20.34	20.28

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1852.5	18625	5	1	0	QPSK	20.33	20.40
1852.5	18625	5	1	12	QPSK	20.34	20.43
1852.5	18625	5	1	24	QPSK	20.30	20.41
1852.5	18625	5	12	0	QPSK	20.27	20.31
1852.5	18625	5	12	6	QPSK	20.31	20.26
1852.5	18625	5	12	13	QPSK	20.27	20.22
1852.5	18625	5	25	0	QPSK	20.21	20.21
1852.5	18625	5	1	0	16QAM	20.54	20.27
1852.5	18625	5	1	12	16QAM	20.68	20.18
1852.5	18625	5	1	24	16QAM	20.60	20.13
1852.5	18625	5	12	0	16QAM	20.38	20.37
1852.5	18625	5	12	6	16QAM	20.42	20.29
1852.5	18625	5	12	13	16QAM	20.30	20.32
1852.5	18625	5	25	0	16QAM	20.23	20.18
1880.0	18900	5	1	0	QPSK	20.75	20.65
1880.0	18900	5	1	12	QPSK	20.75	20.77
1880.0	18900	5	1	24	QPSK	20.71	20.78
1880.0	18900	5	12	0	QPSK	20.75	20.68
1880.0	18900	5	12	6	QPSK	20.70	20.66
1880.0	18900	5	12	13	QPSK	20.70	20.66
1880.0	18900	5	25	0	QPSK	20.67	20.64
1880.0	18900	5	1	0	16QAM	20.66	20.62
1880.0	18900	5	1	12	16QAM	20.93	20.78
1880.0	18900	5	1	24	16QAM	20.57	20.59
1880.0	18900	5	12	0	16QAM	20.77	20.67
1880.0	18900	5	12	6	16QAM	20.72	20.57
1880.0	18900	5	12	13	16QAM	20.76	20.60
1880.0	18900	5	25	0	16QAM	20.63	20.56

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1907.5	19175	5	1	0	QPSK	20.30	20.26
1907.5	19175	5	1	12	QPSK	20.49	20.33
1907.5	19175	5	1	24	QPSK	20.39	20.39
1907.5	19175	5	12	0	QPSK	20.26	20.25
1907.5	19175	5	12	6	QPSK	20.31	20.29
1907.5	19175	5	12	13	QPSK	20.28	20.21
1907.5	19175	5	25	0	QPSK	20.15	20.13
1907.5	19175	5	1	0	16QAM	20.15	20.18
1907.5	19175	5	1	12	16QAM	20.31	20.38
1907.5	19175	5	1	24	16QAM	20.29	20.22
1907.5	19175	5	12	0	16QAM	20.26	20.22
1907.5	19175	5	12	6	16QAM	20.39	20.23
1907.5	19175	5	12	13	16QAM	20.26	20.23
1907.5	19175	5	25	0	16QAM	20.21	20.13
1855.0	18650	10	1	0	QPSK	20.44	20.51
1855.0	18650	10	1	24	QPSK	20.33	20.34
1855.0	18650	10	1	49	QPSK	20.25	20.17
1855.0	18650	10	25	0	QPSK	20.28	20.24
1855.0	18650	10	25	12	QPSK	20.28	20.23
1855.0	18650	10	25	25	QPSK	20.10	20.06
1855.0	18650	10	50	0	QPSK	20.19	20.15
1855.0	18650	10	1	0	16QAM	20.38	20.47
1855.0	18650	10	1	24	16QAM	20.25	20.40
1855.0	18650	10	1	49	16QAM	20.18	20.35
1855.0	18650	10	25	0	16QAM	20.20	20.10
1855.0	18650	10	25	12	16QAM	20.20	20.16
1855.0	18650	10	25	25	16QAM	20.05	20.00
1855.0	18650	10	50	0	16QAM	20.14	20.14

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1880.0	18900	10	1	0	QPSK	20.83	20.81
1880.0	18900	10	1	24	QPSK	20.91	20.79
1880.0	18900	10	1	49	QPSK	20.73	20.63
1880.0	18900	10	25	0	QPSK	20.67	20.67
1880.0	18900	10	25	12	QPSK	20.66	20.62
1880.0	18900	10	25	25	QPSK	20.65	20.66
1880.0	18900	10	50	0	QPSK	20.57	20.57
1880.0	18900	10	1	0	16QAM	20.87	20.82
1880.0	18900	10	1	24	16QAM	20.85	20.99
1880.0	18900	10	1	49	16QAM	20.81	20.71
1880.0	18900	10	25	0	16QAM	20.56	20.60
1880.0	18900	10	25	12	16QAM	20.55	20.53
1880.0	18900	10	25	25	16QAM	20.53	20.52
1880.0	18900	10	50	0	16QAM	20.55	20.57
1905.0	19150	10	1	0	QPSK	20.54	20.36
1905.0	19150	10	1	24	QPSK	20.38	20.42
1905.0	19150	10	1	49	QPSK	20.48	20.38
1905.0	19150	10	25	0	QPSK	20.08	20.19
1905.0	19150	10	25	12	QPSK	20.31	20.29
1905.0	19150	10	25	25	QPSK	20.29	20.26
1905.0	19150	10	50	0	QPSK	20.20	20.20
1905.0	19150	10	1	0	16QAM	20.64	20.36
1905.0	19150	10	1	24	16QAM	20.60	20.35
1905.0	19150	10	1	49	16QAM	20.45	20.26
1905.0	19150	10	25	0	16QAM	20.09	20.19
1905.0	19150	10	25	12	16QAM	20.13	20.29
1905.0	19150	10	25	25	16QAM	20.16	20.34
1905.0	19150	10	50	0	16QAM	20.10	20.22

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1857.5	18675	15	1	0	QPSK	20.43	20.39
1857.5	18675	15	1	36	QPSK	20.35	20.29
1857.5	18675	15	1	74	QPSK	20.42	20.27
1857.5	18675	15	37	0	QPSK	20.19	20.18
1857.5	18675	15	37	18	QPSK	20.04	20.03
1857.5	18675	15	37	38	QPSK	20.04	19.95
1857.5	18675	15	75	0	QPSK	20.02	20.00
1857.5	18675	15	1	0	16QAM	20.27	20.06
1857.5	18675	15	1	36	16QAM	20.15	20.01
1857.5	18675	15	1	74	16QAM	20.05	19.97
1857.5	18675	15	37	0	16QAM	20.21	20.13
1857.5	18675	15	37	18	16QAM	20.10	20.02
1857.5	18675	15	37	38	16QAM	20.04	19.93
1857.5	18675	15	75	0	16QAM	19.98	19.93
1880.0	18900	15	1	0	QPSK	20.73	20.68
1880.0	18900	15	1	36	QPSK	20.82	20.70
1880.0	18900	15	1	74	QPSK	20.62	20.65
1880.0	18900	15	37	0	QPSK	20.68	20.59
1880.0	18900	15	37	18	QPSK	20.62	20.58
1880.0	18900	15	37	38	QPSK	20.58	20.55
1880.0	18900	15	75	0	QPSK	20.57	20.61
1880.0	18900	15	1	0	16QAM	20.55	20.52
1880.0	18900	15	1	36	16QAM	20.69	20.45
1880.0	18900	15	1	74	16QAM	20.37	20.29
1880.0	18900	15	37	0	16QAM	20.66	20.61
1880.0	18900	15	37	18	16QAM	20.62	20.55
1880.0	18900	15	37	38	16QAM	20.59	20.59
1880.0	18900	15	75	0	16QAM	20.52	20.58

(Table LTE1900, 355519/05/000377/1 continues)

(Table LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1902.5	19125	15	1	0	QPSK	20.56	20.62
1902.5	19125	15	1	36	QPSK	20.47	20.37
1902.5	19125	15	1	74	QPSK	20.32	20.37
1902.5	19125	15	37	0	QPSK	20.27	20.28
1902.5	19125	15	37	18	QPSK	20.29	20.25
1902.5	19125	15	37	38	QPSK	20.20	20.20
1902.5	19125	15	75	0	QPSK	20.23	20.24
1902.5	19125	15	1	0	16QAM	20.17	20.27
1902.5	19125	15	1	36	16QAM	20.28	20.03
1902.5	19125	15	1	74	16QAM	20.08	20.12
1902.5	19125	15	37	0	16QAM	20.22	20.24
1902.5	19125	15	37	18	16QAM	20.27	20.29
1902.5	19125	15	37	38	16QAM	20.22	20.20
1902.5	19125	15	75	0	16QAM	20.21	20.12
1860.0	18700	20	1	0	QPSK	20.54	20.45
1860.0	18700	20	1	49	QPSK	20.38	20.35
1860.0	18700	20	1	99	QPSK	20.52	20.51
1860.0	18700	20	50	0	QPSK	20.17	20.18
1860.0	18700	20	50	24	QPSK	20.05	20.13
1860.0	18700	20	50	50	QPSK	20.18	20.22
1860.0	18700	20	100	0	QPSK	20.23	20.22
1860.0	18700	20	1	0	16QAM	20.07	20.60
1860.0	18700	20	1	49	16QAM	19.92	20.61
1860.0	18700	20	1	99	16QAM	20.27	20.74
1860.0	18700	20	50	0	16QAM	20.05	20.05
1860.0	18700	20	50	24	16QAM	19.96	20.07
1860.0	18700	20	50	50	16QAM	20.04	20.16
1860.0	18700	20	100	0	16QAM	20.12	20.20

(Table LTE1900, 355519/05/000377/1 continues)

(Table for LTE1900, 355519/05/000377/1 continues)

Frequency (MHz)	Channel Number	Bandwidth (MHz)	RB Number	RB Offset	Modulation	Max Average Power (dBm)	Reduced Power(dBm)
1880.0	18900	20	1	0	QPSK	20.75	20.71
1880.0	18900	20	1	49	QPSK	20.78	20.82
1880.0	18900	20	1	99	QPSK	20.51	20.57
1880.0	18900	20	50	0	QPSK	20.53	20.53
1880.0	18900	20	50	24	QPSK	20.51	20.61
1880.0	18900	20	50	50	QPSK	20.36	20.50
1880.0	18900	20	100	0	QPSK	20.49	20.52
1880.0	18900	20	1	0	16QAM	20.25	20.83
1880.0	18900	20	1	49	16QAM	20.37	20.95
1880.0	18900	20	1	99	16QAM	20.18	20.80
1880.0	18900	20	50	0	16QAM	20.39	20.49
1880.0	18900	20	50	24	16QAM	20.42	20.53
1880.0	18900	20	50	50	16QAM	20.33	20.37
1880.0	18900	20	100	0	16QAM	20.44	20.49
1900.0	19100	20	1	0	QPSK	20.51	20.54
1900.0	19100	20	1	49	QPSK	20.18	20.30
1900.0	19100	20	1	99	QPSK	20.10	20.18
1900.0	19100	20	50	0	QPSK	20.22	20.21
1900.0	19100	20	50	24	QPSK	20.04	20.22
1900.0	19100	20	50	50	QPSK	20.10	20.12
1900.0	19100	20	100	0	QPSK	20.10	20.20
1900.0	19100	20	1	0	16QAM	20.28	20.82
1900.0	19100	20	1	49	16QAM	20.06	20.53
1900.0	19100	20	1	99	16QAM	20.00	20.56
1900.0	19100	20	50	0	16QAM	20.11	20.13
1900.0	19100	20	50	24	16QAM	20.02	20.13
1900.0	19100	20	50	50	16QAM	19.97	20.06
1900.0	19100	20	100	0	16QAM	20.10	20.16

APPENDIX H: CONDUCTED POWER MEASUREMENTS FOR SUPPORTED GSM/GPRS/EGPRS TRANSMISSION MODES

H.1 Power Tuning Targets

GSM/GPRS/EGPRS 850 Head, Body-worn and Wireless Router			
Slot configuration	Low channel	Mid channel	High channel
GSM 1-slot	32.5	32.5	32.5
GPRS 2-slot	30.5	30.5	30.5
GPRS 3-slot	28.5	28.5	28.5
GPRS 4-slot	27.5	27.5	27.5
EGPRS 1-slot	26.5	26.5	26.5
EGPRS 2-slot	26.0	26.0	26.0
EGPRS 3-slot	25.0	25.0	25.0
EGPRS 4-slot	24.0	24.0	24.0

GSM/GPRS/EGPRS 1900 Head and Body-worn			
Slot configuration	Low channel	Mid channel	High channel
GSM 1-slot	30.0	30.0	30.0
GPRS 2-slot	27.5	27.5	27.5
GPRS 3-slot	25.5	25.5	25.5
GPRS 4-slot	24.5	24.5	24.5
EGPRS 1-slot	25.5	25.5	25.5
EGPRS 2-slot	25.0	25.0	25.0
EGPRS 3-slot	24.0	24.0	24.0
EGPRS 4-slot	23.0	23.0	23.0

GSM/GPRS/EGPRS 1900 Wireless Router			
Slot configuration	Low channel	Mid channel	High channel
GSM 1-slot	29.2	29.2	29.2
GPRS 2-slot	26.7	26.7	26.7
GPRS 3-slot	24.7	24.7	24.7
GPRS 4-slot	23.7	23.7	23.7
EGPRS 1-slot	25.5	25.5	25.5
EGPRS 2-slot	25.0	25.0	25.0
EGPRS 3-slot	24.0	24.0	24.0
EGPRS 4-slot	23.0	23.0	23.0

H.2 Conducted Power from the Samples used in the Testing

Type: RM-893; Serial number: 355519/05/000395/3 used for

- GSM/GPRS/EGPRS850 Head, Body-worn and Wireless Router SAR measurements

GSM/GPRS/EGPRS 850 Head, Body-worn and Wireless Router			
Slot configuration	CH 128 824.2 MHz	CH 190 836.6 MHz	CH 251 848.8 MHz
GSM 1-slot	33.31	33.63	33.36
GPRS 2-slot	31.78	32.02	31.60
GPRS 3-slot	29.90	30.00	29.50
GPRS 4-slot	28.80	28.80	28.68
EGPRS 1-slot	27.67	27.78	27.60
EGPRS 2-slot	27.40	27.44	27.27
EGPRS 3-slot	26.30	26.30	26.19
EGPRS 4-slot	25.43	25.45	25.23

Type: RM-893; Serial number: 355519/05/000282/3 used for

- GSM/GPRS/EGPRS1900 Head and Body-worn

GSM/GPRS/EGPRS 1900 Head, Body-worn			
Slot configuration	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz
GSM 1-slot	30.83	30.81	31.09
GPRS 2-slot	28.54	28.49	28.75
GPRS 3-slot	26.47	26.46	26.73
GPRS 4-slot	25.16	25.20	25.39
EGPRS 1-slot	26.39	26.45	26.56
EGPRS 2-slot	26.14	26.13	26.29
EGPRS 3-slot	25.08	25.06	25.14
EGPRS 4-slot	24.22	24.21	24.26

Type: RM-893; Serial number: 355519/05/000290/6 used for

- GSM/GPRS/EGPRS1900 Wireless Router SAR measurements

GSM/GPRS/EGPRS 1900 Wireless Router			
Slot configuration	CH 512 1850.2 MHz	CH 661 1880.0 MHz	CH 810 1909.8 MHz
GSM 1-slot	29.71	29.76	30.17
GPRS 2-slot	27.28	27.46	27.54
GPRS 3-slot	25.32	25.46	25.62
GPRS 4-slot	24.20	24.28	24.47
EGPRS 1-slot	25.98	26.06	26.20
EGPRS 2-slot	25.65	25.80	25.95
EGPRS 3-slot	24.63	24.70	24.85
EGPRS 4-slot	23.52	23.59	23.73

APPENDIX I: CONDUCTED POWER MEASUREMENTS FOR SUPPORTED WCDMA TRANSMISSION MODES

I.1 Power Tuning Targets

WCDMA 850 (Band 5) Head, Body-worn and Wireless Router			
Mode	Low channel	Mid channel	High channel
WCDMA	23.5	23.5	23.5

WCDMA1700/2100 (Band 4) Head and Body-worn			
Mode	Low channel	Mid channel	High channel
WCDMA	23.5	23.5	23.5
WCDMA1700/2100 (Band 4) Wireless Router			
Mode	Low channel	Mid channel	High channel
WCDMA	19.2	19.2	19.2

WCDMA1900 (Band 2) Head and Body-worn			
Mode	Low channel	Mid channel	High channel
WCDMA	23.5	23.5	23.5
WCDMA1900 (Band 2) Wireless Router			
Mode	Low channel	Mid channel	High channel
WCDMA	20.2	20.2	20.2

I.2 Conducted Power from the Samples used in the Testing

Type: RM-893; Serial number: 355519/05/000395/3 used for WCDMA850 (Band 5) Head, Body-worn and Wireless router SAR measurements

WCDMA850 (Band 5)			
Mode	Low channel	Mid channel	High channel
WCDMA	24.36	24.49	24.38

Type: RM-893; Serial number: 355519/05/000282/3 used for WCDMA1700/2100 (Band 4) and WCDMA1900 (Band 2) Head and Body-worn SAR measurements

WCDMA1700/2100 (Band 4)			
Mode	Low channel	Mid channel	High channel
WCDMA	24.42	24.44	24.44
WCDMA1900 (Band 2)			
Mode	Low channel	Mid channel	High channel
WCDMA	24.21	24.35	24.49

Type: RM-893; Serial number: 355519/05/000290/6 used for WCDMA1700/2100 (Band 4) and WCDMA1900 (Band 2) Wireless router SAR measurements

WCDMA1700/2100 (Band 4)			
Mode	Low channel	Mid channel	High channel
WCDMA	20.08	19.95	20.01
WCDMA1900 (Band 2)			
Mode	Low channel	Mid channel	High channel
WCDMA	20.77	21.03	21.05

WCDMA and HSUPA Subtest mode conducted powers, measured from a separate, fully representative sample are presented in Appendix D.

APPENDIX J: CONDUCTED POWER RESULTS FOR WLAN2450 AND WLAN5000

J.1 Power Tuning Targets

WLAN 2.4 GHz: 20 MHz channel bandwidth							
			Tuning target				
Standard	Modulation	Data speed [Mbps]	CH 1	CH 2	CH 6	CH 10	CH 11
802.11b	BPSK	1	16.0	16.0	16.0	16.0	16.0
802.11b	QPSK	2	15.5	15.5	15.5	15.5	15.5
802.11b	QPSK	5.5	15.5	15.5	15.5	15.5	15.5
802.11b	QPSK	11	15.5	15.5	15.5	15.5	15.5
802.11g	BPSK	6	16.0	16.0	16.0	16.0	16.0
802.11g	BPSK	9	15.5	15.5	15.5	15.5	15.5
802.11g	QPSK	12	15.5	15.5	15.5	15.5	15.5
802.11g	QPSK	18	15.5	15.5	15.5	15.5	15.5
802.11g	16QAM	24	15.0	15.0	15.0	15.0	15.0
802.11g	16QAM	36	15.0	15.0	15.0	15.0	15.0
802.11g	64QAM	48	14.0	14.0	14.0	14.0	14.0
802.11g	64QAM	54	13.0	13.0	13.0	13.0	13.0
802.11n	BPSK	6.5 / 7.25	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0
802.11n	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	58.5 / 65.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	65.0 / 72.2	12.0	12.0	12.0	12.0	12.0

RLAN 5 GHz / 20 MHz channel bandwidth: TUNING TARGETS

Standard	Modulation	Data speed [MBPS]	Channel							
			36	40	44	48	52	56	60	64
802.11a	BPSK	6	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11a	BPSK	9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	QPSK	12	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	QPSK	18	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	16QAM	24	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11a	16QAM	36	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11a	64QAM	48	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11a	64QAM	54	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	BPSK	6.5 / 7.25	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	58.5 / 65.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	64QAM	65.0 / 72.2	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	256QAM	78.0 / 86.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(Tuning targets for WLAN 5 GHz continues)

(Tuning targets for WLAN 5 GHz continues)

RLAN 5 GHz / 20 MHz channel bandwidth: TUNING TARGETS										
Standard	Modulation	Data speed [MBPS]	Channel							
			100	104	108	112	116	120	124	128
802.11a	BPSK	6	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11a	BPSK	9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	QPSK	12	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	QPSK	18	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	16QAM	24	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11a	16QAM	36	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11a	64QAM	48	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11a	64QAM	54	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	BPSK	6.5 / 7.25	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	58.5 / 65.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	64QAM	65.0 / 72.2	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	256QAM	78.0 / 86.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(Tuning targets for WLAN 5 GHz continues)

(Tuning targets for WLAN 5 GHz continues)

RLAN 5 GHz / 20 MHz channel bandwidth: TUNING TARGETS										
Standard	Modulation	Data speed [MBPS]	Channel							
			132	136	140	149	153	157	161	165
802.11a	BPSK	6	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
802.11a	BPSK	9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	QPSK	12	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	QPSK	18	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11a	16QAM	24	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11a	16QAM	36	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11a	64QAM	48	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11a	64QAM	54	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	BPSK	6.5 / 7.25	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	13.0 / 14.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	QPSK	19.5 / 21.7	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
802.11n	16QAM	26.0 / 28.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	39.0 / 43.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	52.0 / 57.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	58.5 / 65.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	64QAM	65.0 / 72.2	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	256QAM	78.0 / 86.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(Tuning targets for WLAN 5 GHz continues)

(Tuning targets for WLAN 5 GHz continues)

RLAN 5 GHz / 40 MHz channel bandwidth: TUNING TARGETS									
Standard	Modulation	Data speed [Mbps]	38 (36+40)	42 (40+44)	46 (44+48)	50 (48+52)	54 (52+56)	58 (56+60)	62 (60+64)
802.11n	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	108.0 / 120.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	64QAM	135.0 / 150.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	256QAM	162 / 180	0.0	0.0	0.0	0.0	0.0	0.0	0.0
802.11ac	256QAM	180 / 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RLAN 5 GHz / 40 MHz channel bandwidth: TUNING TARGETS									
Standard	Modulation	Data speed [Mbps]	102 (100+104)	106 (104+108)	110 (108+112)	114 (112+116)	118 (116+120)	122 (120+124)	126 (124+128)
802.11n	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	108.0 / 120.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	64QAM	135.0 / 150.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	256QAM	162 / 180	0.0	0.0	0.0	0.0	0.0	0.0	0.0
802.11ac	256QAM	180 / 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(Tuning targets for WLAN 5 GHz continues)

(Tuning targets for WLAN 5 GHz continues)

RLAN 5 GHz / 40 MHz channel bandwidth: TUNING TARGETS									
Standard	Modulation	Data speed [Mbps]	130 (128+132)	134 (132+136)	138 (136+140)	151 (149+153)	155 (153+157)	159 (157+161)	163 (161+165)
802.11n	BPSK	13.5 / 15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	QPSK	27.0 / 30.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	QPSK	40.5 / 45.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	54.0 / 60.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	16QAM	81.0 / 90.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
802.11n	64QAM	108.0 / 120.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
802.11n	64QAM	121.5 / 135.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
802.11n	64QAM	135.0 / 150.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11ac	256QAM	162 / 180	0.0	0.0	0.0	0.0	0.0	0.0	0.0
802.11ac	256QAM	180 / 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0

J.2 Conducted Power from the Samples used in the Testing

Type: RM-892; Serial number: 004402/47/223449/5 used for WLAN2450 for SAR Head, Body-worn and Wireless Router measurements.

WLAN 2.4 GHz: 20 MHz channel bandwidth							
Standard	Modulation	Data speed [Mbps]	CH 1	CH 2	CH 6	CH 10	CH 11
802.11b	BPSK	1	16.17	16.44	16.35	16.40	16.58
802.11b	QPSK	2	15.79	15.79	15.71	16.09	15.89
802.11b	QPSK	5.5	15.64	15.98	15.76	16.21	16.03
802.11b	QPSK	11	15.89	15.78	16.24	15.90	15.91
802.11g	BPSK	6	16.00	16.01	16.22	15.89	16.12
802.11g	BPSK	9	15.30	15.55	15.73	15.78	15.59
802.11g	QPSK	12	15.24	15.48	15.61	15.84	15.77
802.11g	QPSK	18	15.69	15.70	15.34	15.44	15.46
802.11g	16QAM	24	15.35	15.42	15.48	15.29	15.09
802.11g	16QAM	36	14.88	14.97	15.40	15.17	15.39
802.11g	64QAM	48	14.06	13.80	13.99	14.47	14.34
802.11g	64QAM	54	13.38	13.24	13.49	13.11	13.63
802.11n	BPSK	6.5 / 7.25	15.02	15.42	14.97	15.01	15.08
802.11n	QPSK	13.0 / 14.4	15.33	15.05	15.15	15.38	15.19
802.11n	QPSK	19.5 / 21.7	15.44	14.78	15.48	14.97	15.36
802.11n	16QAM	26.0 / 28.9	14.24	14.27	13.95	14.57	14.04
802.11n	16QAM	39.0 / 43.3	14.11	14.09	14.38	14.26	13.94
802.11n	64QAM	52.0 / 57.8	13.38	13.01	13.13	13.10	13.17
802.11n	64QAM	58.5 / 65.0	13.32	13.09	13.31	13.12	13.16
802.11n	64QAM	65.0 / 72.2	12.44	12.29	12.14	12.31	12.04

Type: RM-892; Serial number: 004402/47/223426/3 used for WLAN5000 for SAR Head and Body-worn measurements.

RLAN 5 GHz / 20 MHz channel bandwidth:										
Standard	Modulation	Data speed [MBPS]	Channel							
			36	40	44	48	52	56	60	64
802.11a	BPSK	6	16.22	16.25	16.27	16.53	16.34	16.61	16.24	16.44
802.11a	BPSK	9	15.67	16.02	15.95	15.99	16.16	15.73	16.08	15.58
802.11a	QPSK	12	16.10	15.78	15.55	15.58	15.54	15.93	15.81	15.68
802.11a	QPSK	18	15.97	16.05	15.48	15.87	15.96	16.03	15.68	15.83
802.11a	16QAM	24	14.50	15.01	14.77	14.48	14.62	14.59	14.91	14.59
802.11a	16QAM	36	14.62	15.03	14.90	14.41	14.56	14.75	14.75	14.70
802.11a	64QAM	48	13.98	13.68	13.75	14.00	13.90	13.87	14.06	13.50
802.11a	64QAM	54	12.96	12.98	12.41	12.42	12.45	12.80	12.57	12.41
802.11n	BPSK	6.5 / 7.25	15.50	15.72	15.73	15.51	15.70	15.24	15.34	15.53
802.11n	QPSK	13.0 / 14.4	14.31	14.37	14.92	15.82	15.17	15.31	15.75	15.79
802.11n	QPSK	19.5 / 21.7	15.07	14.46	15.01	15.52	15.83	15.22	15.25	15.38
802.11n	16QAM	26.0 / 28.9	14.54	14.50	15.06	14.47	14.81	14.30	14.33	14.24
802.11n	16QAM	39.0 / 43.3	15.08	14.61	15.07	14.52	14.52	14.67	14.49	14.42
802.11n	64QAM	52.0 / 57.8	14.52	14.30	14.55	13.56	13.11	13.56	13.73	13.66
802.11n	64QAM	58.5 / 65.0	13.90	13.32	14.06	12.67	12.75	12.56	12.65	12.15
802.11n	64QAM	65.0 / 72.2	12.29	12.86	12.53	11.45	11.25	11.36	11.16	11.31
802.11ac	256QAM	78.0 / 86.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Conducted powers for WLAN 5 GHz continues)

(Conducted powers for WLAN 5 GHz continues)

RLAN 5 GHz / 20 MHz channel bandwidth:										
Standard	Modulation	Data speed [MBPS]	Channel							
			100	104	108	112	116	120	124	128
802.11a	BPSK	6	16.11	16.14	16.28	16.49	16.61	16.73	16.17	16.58
802.11a	BPSK	9	15.88	16.06	15.86	15.62	16.12	15.79	15.85	16.15
802.11a	QPSK	12	15.86	15.89	15.71	15.76	15.99	16.17	15.61	16.05
802.11a	QPSK	18	15.73	16.00	15.82	16.22	15.57	15.78	15.63	15.82
802.11a	16QAM	24	14.58	14.61	14.52	14.76	14.73	14.78	14.58	15.08
802.11a	16QAM	36	14.99	15.07	15.09	14.71	14.71	15.11	14.61	15.01
802.11a	64QAM	48	13.80	13.89	13.60	13.56	14.07	14.03	13.98	13.71
802.11a	64QAM	54	12.66	12.46	12.71	13.05	12.65	12.62	12.90	12.47
802.11n	BPSK	6.5 / 7.25	15.66	15.70	15.25	15.81	15.74	15.77	15.89	15.74
802.11n	QPSK	13.0 / 14.4	15.68	15.22	15.81	15.88	15.46	15.84	15.27	15.91
802.11n	QPSK	19.5 / 21.7	15.64	15.64	15.43	15.25	15.77	15.67	15.68	15.33
802.11n	16QAM	26.0 / 28.9	14.88	14.36	14.29	14.69	14.45	14.27	14.80	14.45
802.11n	16QAM	39.0 / 43.3	14.61	14.35	14.55	14.64	14.47	14.74	14.41	14.62
802.11n	64QAM	52.0 / 57.8	13.21	13.82	13.74	13.19	13.40	13.48	13.28	13.86
802.11n	64QAM	58.5 / 65.0	12.67	12.82	12.78	12.80	12.54	12.30	12.92	12.55
802.11n	64QAM	65.0 / 72.2	11.35	11.90	11.46	11.30	11.36	11.94	11.25	11.72
802.11ac	256QAM	78.0 / 86.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Conducted powers for WLAN 5 GHz continues)

(Conducted powers for WLAN 5 GHz continues)

RLAN 5 GHz / 20 MHz channel bandwidth:										
Standard	Modulation	Data speed [MBPS]	Channel							
			132	136	140	149	153	157	161	165
802.11a	BPSK	6	16.30	16.59	16.47	16.75	16.75	16.49	16.76	16.30
802.11a	BPSK	9	15.65	15.69	15.85	16.21	15.79	15.92	16.30	15.98
802.11a	QPSK	12	16.25	16.04	16.09	15.67	15.85	15.84	15.96	15.96
802.11a	QPSK	18	16.06	15.75	16.10	15.85	16.20	16.05	15.83	15.97
802.11a	16QAM	24	15.05	14.77	14.88	14.89	15.07	14.94	14.70	14.82
802.11a	16QAM	36	14.51	14.73	14.85	14.85	15.19	15.11	14.75	14.86
802.11a	64QAM	48	13.66	14.16	14.03	13.83	13.76	13.72	13.70	13.94
802.11a	64QAM	54	12.69	12.94	13.02	13.07	13.03	12.94	13.12	12.76
802.11n	BPSK	6.5 / 7.25	15.43	15.76	15.41	15.88	15.69	15.44	15.58	15.61
802.11n	QPSK	13.0 / 14.4	15.93	15.42	15.39	15.32	15.72	15.81	15.98	15.74
802.11n	QPSK	19.5 / 21.7	15.66	15.38	15.45	15.83	15.79	15.41	15.76	15.57
802.11n	16QAM	26.0 / 28.9	14.59	14.31	14.64	14.71	14.93	14.97	14.43	14.46
802.11n	16QAM	39.0 / 43.3	14.92	14.80	14.40	14.45	14.70	14.84	14.64	14.56
802.11n	64QAM	52.0 / 57.8	13.41	13.54	13.29	13.67	13.62	13.82	13.71	13.37
802.11n	64QAM	58.5 / 65.0	12.84	12.92	12.26	12.55	12.90	12.45	12.67	12.79
802.11n	64QAM	65.0 / 72.2	11.46	11.94	11.76	11.72	11.82	11.38	11.93	11.95
802.11ac	256QAM	78.0 / 86.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Conducted powers for WLAN 5 GHz continues)

(Conducted powers for WLAN 5 GHz continues)

RLAN 5 GHz / 40 MHz channel bandwidth:									
Standard	Modulation	Data speed [Mbps]	38 (36+40)	42 (40+44)	46 (44+48)	50 (48+52)	54 (52+56)	58 (56+60)	62 (60+64)
802.11n	BPSK	13.5 / 15.0	14.37	14.85	14.18	14.56	14.29	14.86	14.90
802.11n	QPSK	27.0 / 30.0	14.41	14.96	14.29	14.39	14.91	14.36	14.99
802.11n	QPSK	40.5 / 45.0	14.86	14.41	14.86	14.38	14.85	14.75	14.29
802.11n	16QAM	54.0 / 60.0	14.55	14.61	14.88	14.84	14.58	14.54	14.15
802.11n	16QAM	81.0 / 90.0	14.28	14.88	14.94	14.14	14.30	14.51	14.42
802.11n	64QAM	108.0 / 120.0	13.55	13.39	13.21	13.25	13.15	13.19	13.83
802.11n	64QAM	121.5 / 135.0	12.47	12.33	12.42	12.48	12.12	12.60	12.35
802.11n	64QAM	135.0 / 150.0	11.90	11.38	11.84	11.12	11.11	11.71	11.87
802.11ac	256QAM	162 / 180	0.00	0.00	0.00	0.00	0.00	0.00	0.00
802.11ac	256QAM	180 / 200	0.00	0.00	0.00	0.00	0.00	0.00	0.00

RLAN 5 GHz / 40 MHz channel bandwidth:									
Standard	Modulation	Data speed [Mbps]	102 (100+104)	106 (104+108)	110 (108+112)	114 (112+116)	118 (116+120)	122 (120+124)	126 (124+128)
802.11n	BPSK	13.5 / 15.0	14.17	14.96	14.72	14.54	14.91	14.31	14.91
802.11n	QPSK	27.0 / 30.0	14.50	14.97	15.01	14.23	14.59	14.17	14.72
802.11n	QPSK	40.5 / 45.0	14.55	14.29	14.34	14.20	14.85	14.52	14.59
802.11n	16QAM	54.0 / 60.0	14.83	14.18	14.67	14.37	14.22	14.98	14.34
802.11n	16QAM	81.0 / 90.0	14.67	14.26	14.36	14.26	14.92	14.71	14.88
802.11n	64QAM	108.0 / 120.0	13.78	13.70	13.13	13.18	13.51	13.46	13.36
802.11n	64QAM	121.5 / 135.0	12.73	12.54	12.76	12.55	12.32	12.75	12.16
802.11n	64QAM	135.0 / 150.0	11.50	11.98	11.86	11.94	11.63	11.95	11.67
802.11ac	256QAM	162 / 180	0.00	0.00	0.00	0.00	0.00	0.00	0.00
802.11ac	256QAM	180 / 200	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Conducted powers for WLAN 5 GHz continues)

(Conducted powers for WLAN 5 GHz continues)

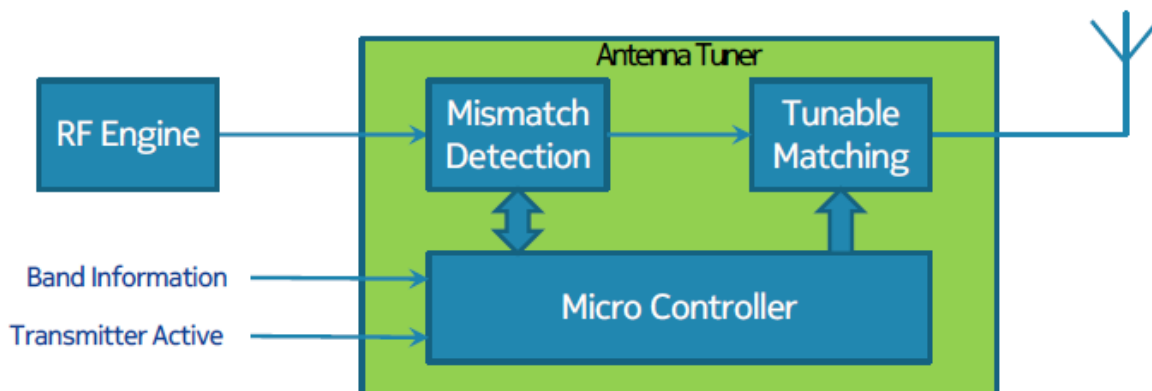
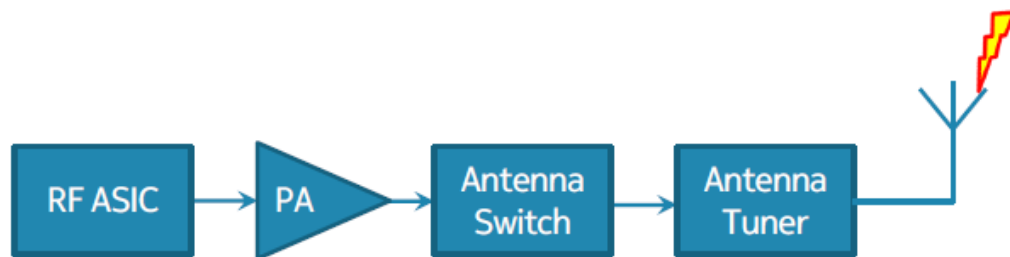
RLAN 5 GHz / 40 MHz channel bandwidth:

Standard	Modulation	Data speed [MBPS]	130 (128+132)	134 (132+136)	138 (136+140)	151 (149+153)	155 (153+157)	159 (157+161)	163 (161+165)
802.11n	BPSK	13.5 / 15.0	14.27	14.38	14.41	14.25	15.07	14.57	14.55
802.11n	QPSK	27.0 / 30.0	14.19	14.43	14.35	15.07	14.68	14.65	14.33
802.11n	QPSK	40.5 / 45.0	14.21	14.84	14.21	14.34	14.98	14.83	14.89
802.11n	16QAM	54.0 / 60.0	15.01	14.42	14.93	14.75	14.24	15.02	14.84
802.11n	16QAM	81.0 / 90.0	14.41	14.49	14.38	14.36	14.27	14.44	14.44
802.11n	64QAM	108.0 / 120.0	13.27	13.98	13.98	13.36	13.76	13.85	13.84
802.11n	64QAM	121.5 / 135.0	12.77	12.31	12.52	12.50	12.41	12.59	12.84
802.11n	64QAM	135.0 / 150.0	11.54	11.72	11.21	11.77	11.33	11.40	11.98
802.11ac	256QAM	162 / 180	0.00	0.00	0.00	0.00	0.00	0.00	0.00
802.11ac	256QAM	180 / 200	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX K: ANTENNA TUNER STATE VS. SAR COMPARATIVE MEASUREMENTS

Antenna Tuner

- Antenna tuner is used to match the antenna feedpoint impedance to transmitter output.
- Antenna tuner does not improve the antenna radiated efficiency.
- Antenna tuner only reduces the mismatch loss between transmitter and antenna.
- Reducing the loss between transmitter and antenna can increase radiated output power and that way keep the call ongoing.



- Antenna tuner needs information from engine about current frequency band and also information when engine is transmitting.
- Antenna tuner measures the mismatch condition.
- Micro controller selects the correct matching network components according measured mismatch information.

Supported state = tuner states that are initially possible for the given frequency band and communications system.

Selected state = optimal tuner state that gets selected when device is positioned in the SAR test setup.

Results show that maximum, or equal to maximum, powers are always transmitted and conservative maximum SAR results are obtained.

Test cases in table below are the ones giving highest SAR results in this report.

	= Supported states
	= Selected state

GPRS850 2-slot Body back 15 w/o hs			
Shunt mode	Series state	mW/g	% from ref
0	4	0.57	-6.56
0	5	0.61	0.00
0	6	0.53	-12.95
0	7	0.52	-15.41
0	8	0.41	-32.30
0	9	0.38	-37.21
0	10	0.26	-57.21

GPRS 1900 2-slot WR bottom 10mm			
Shunt mode	Series state	mW/g	% from ref
0	9	1.33	-0.90
0	10	1.34	0.00
1	0	1.06	-20.60
1	1	1.16	-13.36
1	2	1.24	-7.31
1	3	1.27	-5.52
1	4	1.32	-1.87
1	5	1.33	-0.97
1	6	1.31	-2.39
1	7	1.33	-0.67
1	8	1.36	1.12
1	9	1.37	1.87
1	10	1.37	2.01

WCDMA850 WR back 10mm			
Shunt mode	Series state	mW/g	% from ref
0	2	0.76	-12.41
0	3	0.81	-7.13
0	4	0.80	-8.16
0	5	0.88	0.92
0	6	0.87	0.00
0	7	0.87	-0.34
0	8	0.81	-6.67
0	9	0.80	-7.93
0	10	0.71	-18.28

WCDMA1700/2100 Body display 15 with hs			
Shunt mode	Series state	mW/g	% from ref
0	2	0.99	11.46
0	3	0.99	10.90
0	4	0.96	8.31
0	5	0.98	9.78
0	6	0.95	6.85
0	7	0.95	6.29
0	8	0.91	2.58
0	9	0.91	2.58
0	10	0.89	0.00
1	6	0.77	-13.15
1	7	0.76	-14.72
1	8	0.72	-19.55
1	9	0.71	-20.22
1	10	0.67	-24.83

WCDMA1900 head left cheek			
Shunt mode	Series state	mW/g	% from ref
1	2	0.94	-21.92
1	3	0.97	-19.08
1	4	1.06	-11.75
1	5	1.09	-9.42
1	6	1.06	-12.00
1	7	1.09	-9.25
1	8	1.15	-4.17
1	9	1.17	-2.75
1	10	1.20	0.00
3	0	0.46	-61.33
3	1	0.58	-52.08
3	2	0.70	-42.08
3	3	0.74	-38.50

LTE850 WR back 10mm, 10MHz Ch BW 1RB 50% offset			
Shunt mode	Series state	mW/g	% from ref
0	2	0,70	-8,03
0	3	0,72	-5,26
0	4	0,77	0,79
0	5	0,77	1,05
0	6	0,76	0,00
0	7	0,75	-1,18
0	8	0,71	-6,45
0	9	0,70	-7,50
0	10	0,63	-16,71

LTE850 Body back with headset 15mm, 10MHz Ch BW 1RB 50% offset			
Shunt mode	Series state	mW/g	% from ref
0	2	0,52	-7,32
0	3	0,54	-4,46
0	4	0,56	0,36
0	5	0,57	1,79
0	6	0,56	0,00
0	7	0,56	-0,18
0	8	0,52	-7,32
0	9	0,51	-8,57
0	10	0,46	-17,14

LTE850 Head right cheek @10MHz Ch BW 1RB 50% offset

Shunt mode	Series state	mW/g	% from ref
0	2	0,58	-5,25
0	3	0,61	0,00
0	4	0,64	4,26
0	5	0,64	4,75
0	6	0,61	0,00
0	7	0,60	-1,15
0	8	0,54	-11,97
0	9	0,52	-14,26
0	10	0,45	-25,74

LTE1700/2100 WR bottom 10mm, 20MHz Ch BW 1RB 50% offset

Shunt mode	Series state	mW/g	% from ref
0	2	1,40	6,87
0	3	1,39	6,11
0	4	1,38	5,11
0	5	1,35	3,36
0	6	1,34	2,37
0	7	1,34	2,52
0	8	1,33	1,15
0	9	1,32	0,92
0	10	1,31	0,00
1	6	1,11	-15,11
1	7	1,09	-17,18
1	8	1,00	-23,51
1	9	1,00	-23,51
1	10	0,93	-29,16

**LTE1700/2100 Body back w/ hs 15mm, 20MHz Ch BW 1RB
50% offset**

Shunt mode	Series state	mW/g	% from ref
0	2	0,82	11,92
0	3	0,82	12,05
0	4	0,81	11,10
0	5	0,81	11,10
0	6	0,79	7,67
0	7	0,79	7,53
0	8	0,76	3,84
0	9	0,76	3,84
0	10	0,73	0,00
1	6	0,64	-12,05
1	7	0,63	-13,42
1	8	0,60	-17,40
1	9	0,60	-18,36
1	10	0,56	-22,88

LTE1900 Head left cheek @20MHz Ch BW 1RB 100% offset

Shunt mode	Series state	mW/g	% from ref
1	2	0,77	-27,45
1	3	0,83	-21,89
1	4	0,91	-14,06
1	5	0,96	-9,53
1	6	0,97	-8,96
1	7	0,97	-8,58
1	8	1,01	-4,53
1	9	1,04	-1,60
1	10	1,06	0,00
3	0	0,30	-71,70
3	1	0,41	-61,23
3	2	0,55	-48,21
3	3	0,58	-45,00

APPENDIX L (INFORMATIVE): ADDRESSING CONCERNS ON PA LINEARITY ABOVE UPPER LIMIT OF TUNING TOLERANCE

The conducted powers of SAR samples tested in this report are above upper limit of tuning tolerance. While this power over-tuning gives conservative SAR results, it is not fully according to KDB requirements and has raised concerns on PA linearity above upper limit of tuning tolerance during KDB Inquiry process. To address these concerns, this appendix presents re-measurements of worst case SAR for each communication system and exposure configuration at power levels below upper limit of tuning tolerance. These re-measured values are scaled to same conducted powers as used in this reporting. Results show that scaled results are close to the original ones i.e. well within measurement uncertainty, confirming that PA operates linearly and that SAR results presented in this SAR report are conservative. SAR system check results and liquid parameters are also included to prove that repeated measurements are done in full compliance to the requirements.

L.1. System validation status

Probe Calibration Point f / MHz	Test System	DASY SW	Dipole Type / SN	Probe Type / SN	DAE unit Type / SN	Validation done	
						Head tissue simulant	Body tissue simulant
750	TCC Salo / SAR-4	V52.8	D750V2 / 1075	EX3DV4 / 3834	DAE4 / 555	2013-06	2013-06
835	TCC Salo / SAR-3	V52.8	D835V2 / 480	ES3DV4 / 3165	DAE4 / 1355	2013-05	2013-05
1750	TCC Salo / SAR-1	V52.8	D1750V2 / 1082	ES3DV3 / 3194	DAE4 / 538	2013-05	2013-05
1900	TCC Salo / SAR-1	V52.8	D1900V2 / 5d013	ES3DV3 / 3194	DAE4 / 538	2013-05	2013-05

L2. System checking

System checking, head tissue simulant

f [MHz]	Description	SAR [W/kg], 1g	Dielectric Parameters		SAR 1g Deviation from target	Dielectric Parameters Deviation from target		Temp [°C]
			ϵ_r	σ [S/m]		$d\epsilon_r$ [%]	$d\sigma$ [%]	
	Tolerances				±10 %	±5 %	±5 %	
750	IEEE1528 / IEC62209		41.9	0.89				
	Reference result SN:1075	2.09	42.2	0.90	TCC Salo/SAR-4 EX3DV4 SN:3834 Head 750MHz			
	2013-07-01	1.89	40.9	0.92	-9.57	-3.08	2.22	21.1
835	IEEE1528 / IEC62209		41.5	0.90				
	Reference result SN:480	2.39	41.4	0.92	TCC Salo/SAR-3 ES3DV4 SN:3165 Head 835MHz			
	2013-06-28	2.23	40.3	0.91	-6.69	-2.66	-1.09	22.3
	2013-07-02	2.25	40.4	0.91	-5.86	-2.42	-1.09	21.9
1750	IEEE1528 / IEC62209		40.1	1.36				
	Reference result SN:1082	8.99	39.3	1.34	TCC Salo/SAR-1 ES3DV3 SN:3194 Head 1750MHz			
	2013-07-01	9.43	39.7	1.35	4.89	1.02	0.75	22.0
1900	IEEE1528 / IEC62209		40.0	1.40				
	Reference result SN:5d013	10.1	39.5	1.38	TCC Salo/SAR-1 ES3DV3 SN:3194 Head 1900MHz			
	2013-06-28	10.7	39.3	1.37	5.94	-0.51	-0.72	20.8
	2013-07-02	10.4	38.8	1.37	2.97	-1.77	-0.72	22.2

System checking, body tissue simulant

f [MHz]	Description	SAR [W/kg], 1g	Dielectric Parameters		SAR 1g Deviation from target dSAR [%]	Dielectric Parameters Deviation from target		Temp [°C]
			ϵ_r	σ [S/m]		d ϵ_r [%]	d σ [%]	
	Tolerances				±10 %	±5 %	±5 %	
750	IEEE1528 / IEC62209		55.5	0.96				
	Reference result SN:1075	2.24	55.3	0.97	TCC Salo/SAR-4 EX3DV4 SN:3834 Body 750MHz			
	2013-07-01	2.28	53.4	0.99	1.79	-3.44	2.06	20.8
835	IEEE1528 / IEC62209		55.2	0.97				
	Reference result SN:480	2.42	54.5	0.99	TCC Salo/SAR-3 ES3DV4 SN:3165 Body 835MHz			
	2013-06-28	2.29	53.7	0.98	-5.37	-1.47	-1.01	22.0
	2013-07-01	2.31	53.9	0.98	-4.55	-1.10	-1.01	21.6
1750	IEEE1528 / IEC62209		53.4	1.49				
	Reference result SN:1082	9.21	51.8	1.47	TCC Salo/SAR-1 ES3DV3 SN:3194 Body 1750MHz			
	2013-07-01	9.63	52.0	1.47	4.56	0.39	0.00	21.1
1900	IEEE1528 / IEC62209		53.3	1.52				
	Reference result SN:5d013	10.3	52.2	1.52	TCC Salo/SAR-1 ES3DV3 SN:3194 Body 1900MHz			
	2013-06-28	10.4	52.3	1.52	0.97	0.19	0.00	21.5
	2013-07-02	10.2	52.2	1.53	-0.97	0.00	0.66	21.6

L.3. Tissue Simulants

Head tissue simulant measurements

f [MHz]	Description	Dielectric Parameters		Dielectric Parameters Deviation from Standard target		Temp [°C]
		ϵ_r	σ [S/m]	d ϵ_r [%]	d σ [%]	
	Tolerances			±5 %	±5 %	
710	Recommended value	42.1	0.89			
	2013-07-01	41.1	0.90	-2.38	1.12	21.1
835	Recommended value	41.5	0.90			
	2013-06-28	40.3	0.91	-2.89	1.11	22.3
836	Recommended value	41.5	0.90			
	2013-06-28	40.3	0.91	-2.89	1.11	22.3
	2013-07-02	40.4	0.91	-2.65	1.11	21.9
1732	Recommended value	40.1	1.36			
	2013-07-01	39.7	1.33	-1.00	-2.21	22.0
1880	Recommended value	40.0	1.40			
	2013-06-28	39.3	1.35	-1.75	-3.57	20.8
	2013-07-02	38.8	1.35	-3.00	-3.57	22.2

Body tissue simulant measurements

f [MHz]	Description	Dielectric Parameters		Dielectric Parameters Deviation from Standard target		Temp [°C]
		ϵ_r	σ [S/m]	d ϵ_r [%]	d σ [%]	
	Tolerances			±5 %	±5 %	
710	Recommended value	55.7	0.96			
	2013-07-01	53.6	0.97	-3.77	1.04	20.8
835	Recommended value	55.2	0.97			
	2013-06-28	53.7	0.98	-2.72	1.03	22.0
836	Recommended value	55.2	0.97			
	2013-06-28	53.7	0.98	-2.72	1.03	22.0
	2013-07-01	53.9	0.98	-2.36	1.03	21.6
1732	Recommended value	53.5	1.48			
	2013-07-01	52.1	1.46	-2.62	-1.35	21.1
1880	Recommended value	53.3	1.52			
	2013-06-28	52.4	1.50	-1.69	-1.32	21.5
	2013-07-02	38.8	1.35	-3.00	-3.57	22.2

L4. Results

Mode	Device orientation	Ch / f (MHz)	Window between {tuning target} and {tuning target} + 0.35dB	Conducted power - original [dBm]	Measured 1g SAR - original [W/kg]	Conducted power - reduced [dBm]	Measured 1g SAR - reduced [W/kg]	dCond. powers [dB]	Scaling factor [Lin]	Scaled SAR [W/kg]	dSAR [%]
LTE700	Left, Cheek	23790 / 710.0	23.0 - 23.35	24.22	0.450	23.22	0.373	1.00	1.26	0.470	-4.35
2-slot GPRS850	Right, Cheek	190 / 836.6	30.5 - 30.85	32.02	0.638	30.82	0.440	1.20	1.32	0.580	9.09
WCDMA850	Right, Cheek	4175 / 835.0	23.5 - 23.85	24.49	0.729	23.79	0.558	0.70	1.17	0.656	10.07
LTE850	Right, Cheek	20525 / 836.5	23.0 - 23.35	24.05	0.612	23.15	0.494	0.90	1.23	0.608	0.69
WCDMA1700 /2100	Left, Cheek	1513 / 1752.6	23.5 - 23.85	24.44	1.09	23.74	0.947	0.70	1.17	1.11	-2.08
LTE1700/2100	Left, Cheek	20175 / 1732.5	23.0 - 23.35	24.07	0.878	23.17	0.826	0.90	1.23	1.02	-15.74
2-slot GPRS1900	Left, Cheek	661 / 1880.0	27.5 - 27.85	28.49	0.673	27.59	0.569	0.90	1.23	0.700	-4.02
WCDMA1900	Left, Cheek	9538 / 1907.6	23.5 - 23.85	24.49	1.20	23.79	1.06	0.70	1.17	1.25	-3.78
LTE1900	Left, Cheek	19100 / 1900.0	23.0 - 23.35	23.52	1.06	23.02	0.873	0.50	1.12	0.980	7.59
LTE700	Body 15.0 mm	23790 / 710.0	23.0 - 23.35	24.22	0.557	23.22	0.464	1.00	1.26	0.584	-4.87
2-slot GPRS850	Body 15.0 mm	190 / 836.6	30.5 - 30.85	32.02	0.613	30.82	0.410	1.20	1.32	0.540	11.83
WCDMA850	Body 15.0 mm	4233 / 846.6	23.5 - 23.85	24.38	0.609	23.68	0.537	0.70	1.17	0.631	-3.60
LTE850	Body 15.0 mm	20525 / 836.5	23.0 - 23.35	24.05	0.559	23.15	0.473	0.90	1.23	0.582	-4.10
WCDMA1700 /2100	Body 10.0 mm	1513 / 1752.6	23.5 - 23.85	24.44	0.887	23.74	0.718	0.70	1.17	0.844	4.90
LTE1700/2100	Body 15.0 mm	20175 / 1732.5	23.0 - 23.35	24.07	0.732	23.17	0.598	0.90	1.23	0.736	-0.51
2-slot GPRS1900	Body 15.0 mm	512 / 1850.2	27.5 - 27.85	28.54	0.435	27.64	0.350	0.90	1.23	0.431	1.01
WCDMA1900	Body 15.0 mm	9538 / 1907.6	23.5 - 23.85	24.49	0.671	23.79	0.571	0.70	1.17	0.671	0.02
LTE1900	Body 15.0 mm	18900 / 1880.0	23.0 - 23.35	23.95	0.551	23.34	0.516	0.61	1.15	0.594	-7.77
LTE700	Body 10.0 mm	23790 / 710.0	23.0 - 23.35	24.22	0.711	23.22	0.623	1.00	1.26	0.784	-10.31
2-slot GPRS850	Body 10.0 mm	128 / 824.2	30.5 - 30.85	31.78	0.784	30.58	0.646	1.20	1.32	0.852	-8.62
WCDMA850	Body 10.0 mm	4132 / 826.4	23.5 - 23.85	24.36	0.866	23.66	0.695	0.70	1.17	0.817	5.71

LTE850	Body 10.0 mm	20525 / 836.5	23.0 - 23.35	24.05	0.757	23.15	0.623	0.90	1.23	0.766	-1.25
WCDMA1700 /2100	Body 10.0 mm	1513 / 1752.6	19.2 - 19.55	20.01	1.12	19.41	0.988	0.60	1.15	1.134	-1.28
LTE1700/2100	Body 10.0 mm	20175 / 1732.5	19.7 - 20.05	20.77	1.31	19.87	0.974	0.90	1.23	1.198	8.53
2-slot GPRS1900	Body 10.0 mm	512 / 1850.2	26.7 - 27.05	27.28	1.34	26.78	0.983	0.50	1.12	1.10	17.69
WCDMA1900	Body 10.0 mm	9538 / 1907.6	20.2 - 20.55	21.05	1.14	20.55	1.03	0.50	1.12	1.16	-1.38
LTE1900	Body 10.0 mm	18900 / 1880.0	19.7 - 20.05	20.78	0.983	19.88	0.663	0.90	1.23	0.816	17.02

APPENDIX M (INFORMATIVE): COMPARISON MEASUREMENTS OF RM-892 AND RM-893 (WLAN2450 AND WLAN5000)

Mode	Test configuration	SAR measurement	RM-892 Measured 1g SAR [W/kg]			RM-893 Measured 1g SAR [W/kg]			Deviation %		
			Ch 1 2412.0 MHz	Ch 6 2437.0 MHz	Ch 11 2462.0 MHz	Ch 1 2412.0 MHz	Ch 6 2437.0 MHz	Ch 11 2462.0 MHz			
WLAN2450	Left Cheek	Estimated SAR	-	-	-	-	-	-	1.9		
		Full SAR	0.786	-	-	0.801	-	-			
Mode	Test configuration	SAR measurement	RM-892 Measured 1g SAR [W/kg]			RM-893 Measured 1g SAR [W/kg]			Deviation %		
			Ch 1 2412.0 MHz	Ch 6 2437.0 MHz	Ch 11 2462.0 MHz	Ch 1 2412.0 MHz	Ch 6 2437.0 MHz	Ch 11 2462.0 MHz			
WLAN2450	Display facing phantom, without headset	Estimated SAR	-	-	-	-	-	-	-4.8		
		Full SAR	-	0.083	-	-	0.079	-			
Mode	Test configuration	SAR measurement	RM-892 Measured 1g SAR [W/kg]			RM-893 Measured 1g SAR [W/kg]			Deviation %		
			Ch 1 2412.0 MHz	Ch 6 2437.0 MHz	Ch 11 2462.0 MHz	Ch 1 2412.0 MHz	Ch 6 2437.0 MHz	Ch 11 2462.0 MHz			
WLAN2450	Right edge facing phantom	Estimated SAR	-	-	-	-	-	-	-1.3		
		Full SAR	0.227	-	-	0.224	-	-			
Mode	Test configuration	SAR measurement	RM-892 Measured 1g SAR [W/kg]			RM-893 Measured 1g SAR [W/kg]			Deviation %		
			Ch 149 5745.0 MHz	Ch 153 5765.0 MHz	Ch 161 5805.0 MHz	Ch 149 5745.0 MHz	Ch 153 5765.0 MHz	Ch 161 5805.0 MHz			
WLAN5000	Left Cheek	Estimated SAR	-	-	-	-	-	-	5.2		
		Full SAR	-	-	0.691	-	-	0.727			
Mode	Test configuration	SAR measurement	RM-892 Measured 1g SAR [W/kg]				RM-893 Measured 1g SAR [W/kg]				Deviation %
			Ch 40 5200 MHz	Ch 48 5240 MHz	Ch 56 5280 MHz	Ch 64 5320 MHz	Ch 40 5200 MHz	Ch 48 5240 MHz	Ch 56 5280 MHz	Ch 64 5320 MHz	
WLAN5000	Back facing phantom, Without headset	Estimated SAR	-	-	-	-	-	-	-	0.9	
		Full SAR	0.106	-	-	-	0.107	-	-		

RM-892 and RM-893 have identical WLAN antenna, related RF circuitry and overall device mechanics. To further support WLAN result copying from RM-892 to RM-893, worst cases SAR results for head, body and WR exposure conditions measured with RM-892 are repeated with RM-893. The results are identical within measurement uncertainty.