APPENDIX D: CONDUCTED AVERAGE POWER MEASUREMENTS FOR WCDMA, HSUPA AND DC-HSDPA

Type: RM-1078; SN: 004402/47/868611/0, HW: 0101, SW: 02034.00000.14284.07001 used for WCDMA850 (Band 5) Head, Body-worn and Wireless router SAR measurements

D.1. WCDMA850 (Band 5) Test results

Average power

Ch / *f*(MHz)	P [dBm]	P [dBm]
	Antenna 1	Antenna 2
4132 / 826.4	23.3	23.6
4175 / 835.0	23.4	23.6
4233 / 846.6	23.3	23.7

D.2. HSUPA850 Test results

Average power

Ch / *f*(MHz)	P [dBm]				
	Antenna 1				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
4132	23.0	21.1	22.1	21.6	23.1
4175	23.0	21.0	22.1	21.5	23.0
4233	23.0	21.0	22.0	21.5	23.0

Ch / *f*(MHz)	P [dBm]				
	Antenna 2				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
4132	23.5	21.5	22.4	21.7	23.4
4175	23.4	21.4	22.4	21.8	23.3
4233	23.2	21.4	22.3	21.9	23.3

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)				
Antenna 1				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0dB	2.0dB	1.0dB	2.0dB	0dB

Maximum Power Reduction (MPR)				
Antenna 2				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0dB	2.0dB	1.0dB	2.0dB	0dB

D.3. DC-HSDPA850 Test results

DC-HSDPA power measurements are conducted according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1 with a primary and secondary serving HS-DSCH Cell active.

Ch / *f*(MHz)	P [dBm]			
	Antenna 1			
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
4132	23.2	23.2	22.7	22.8
4175	23.1	23.2	22.7	22.6
4233	23.1	23.1	22.8	22.6

Ch / *f*(MHz)	P [dBm]			
	Antenna 2			
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
4132	23.4	23.5	23.1	23.0
4175	23.4	23.4	22.9	22.9
4233	23.5	22.6	22.9	22.9

Note: In DC-HSDPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSDPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)			
Antenna 1			
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
0dB	0dB	0.5dB	0.5dB

Maximum Power Reduction (MPR)			
Antenna 2			
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
0dB	0dB	0.5dB	0.5dB

Type: RM-1078; SN: 004402/47/868611/0, HW: 0101, SW: 02034.00000.14284.07001 used for WCDMA1900 (Band 2) Head and Body-worn SAR measurements

D.4. WCDMA1900 (Band 2) Test results

Average power

Ch / *f*(MHz)	P [dBm]	P [dBm]
	Antenna 1	Antenna 2
9262 / 1852.4	23.8	23.3
9400 / 1880.0	23.7	23.2
9538 / 1907.6	23.7	23.1

D.5. HSUPA1900 Test results

Average power

Ch / *f*(MHz)	P [dBm]				
	Antenna 1				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
9262 / 1852.4	23.1	21.3	22.7	21.7	23.2
9400 / 1880.0	23.1	21.4	22.5	21.7	23.1
9538 / 1907.6	23.0	21.4	22.5	21.6	23.1

Ch / *f*(MHz)	P [dBm]				
	Antenna 2				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
9262 / 1852.4	23.0	21.1	22.2	21.2	23.0
9400 / 1880.0	23.1	21.1	22.1	21.2	23.1
9538 / 1907.6	23.0	21.2	22.1	21.0	23.0

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)				
Antenna 1				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0dB	2.0dB	1.0dB	2.0dB	0dB

Maximum Power Reduction (MPR)				
Antenna 2				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0dB	2.0dB	1.0dB	2.0dB	0dB

D.6. DC-HSDPA1900 Test results

DC-HSDPA power measurements are conducted according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1 with a primary and secondary serving HS-DSCH Cell active.

Ch / *f*(MHz)	P [dBm]			
	Antenna 1			
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
9262 / 1852.4	23.6	23.5	23.0	22.9
9400 / 1880.0	23.6	23.5	22.9	23.0
9538 / 1907.6	23.5	23.3	22.8	22.8

Ch / *f*(MHz)	P [dBm]			
	Antenna 2			
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
9262 / 1852.4	23.4	23.4	22.9	22.8
9400 / 1880.0	23.3	23.2	22.7	22.8
9538 / 1907.6	23.1	23.2	22.8	22.7

Note: In DC-HSDPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSDPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)			
Antenna 1			
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
0dB	0dB	0.5dB	0.5dB

Maximum Power Reduction (MPR)			
Antenna 2			
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
0dB	0dB	0.5dB	0.5dB

D.7. WCDMA1900 (Band 2) Test results

Average power

Ch / *f*(MHz)	P [dBm]	P [dBm]
	Antenna 1	Antenna 2
9262 / 1852.4	20.7	20.3
9400 / 1880.0	20.7	20.3
9538 / 1907.6	20.7	20.3

D.8. HSUPA1900 Test results

Average power

Ch / *f*(MHz)	P [dBm]				
	Antenna 1				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
9262 / 1852.4	20.5	18.6	19.7	18.4	20.6
9400 / 1880.0	20.4	18.6	19.6	18.4	20.6
9538 / 1907.6	20.5	18.7	19.6	18.6	20.5

Ch / *f*(MHz)	P [dBm]				
	Antenna 2				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
9262 / 1852.4	20.2	18.4	19.4	18.1	20.3
9400 / 1880.0	20.2	18.3	19.4	18.2	20.2
9538 / 1907.6	20.1	18.5	19.3	18.2	20.2

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)				
Antenna 1				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0dB	2.0dB	1.0dB	2.0dB	0dB

Maximum Power Reduction (MPR)				
Antenna 2				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0dB	2.0dB	1.0dB	2.0dB	0dB

D.9. DC-HSDPA1900 Test results

DC-HSDPA power measurements are conducted according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1 with a primary and secondary serving HS-DSCH Cell active.

Ch / *f*(MHz)	P [dBm]			
	Antenna 1			
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
9262 / 1852.4	20.5	20.4	19.9	19.8
9400 / 1880.0	20.6	20.3	19.8	19.9
9538 / 1907.6	20.6	20.3	19.8	19.9

Ch / *f*(MHz)	P [dBm]			
	Antenna 2			
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
9262 / 1852.4	20.2	20.2	19.7	19.6
9400 / 1880.0	20.2	20.1	19.7	19.7
9538 / 1907.6	20.3	20.1	19.6	19.6

Note: In DC-HSDPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSDPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)			
Antenna 1			
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
0dB	0dB	0.5dB	0.5dB

Maximum Power Reduction (MPR)			
Antenna 2			
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4
0dB	0dB	0.5dB	0.5dB