

HEAD SAR MEASUREMENT SUMMARY

(Comparison of DUT “with” versus “without” SDIO Card installed)

Test Date	Test Band	Test Channel		Test Configuration	SDIO Installed	Measured SAR 1g (W/kg)	Scaled SAR 1g (W/kg) (+0.2 dB Conducted Power Tolerance)
Aug. 23, 2005	Cellular CDMA	1013	Low	Right Ear - Touch	No	1.01	1.06
Aug. 23, 2005	Cellular CDMA	384	Mid	Right Ear - Touch	No	1.06	1.11
Aug. 23, 2005	Cellular CDMA	777	High	Right Ear - Touch	No	1.17	1.23
Aug. 23, 2005	Cellular CDMA	777	High	Right Ear - Touch	Yes	0.961	1.01
Aug. 23, 2005	Cellular CDMA	1013	Low	Right Ear - Tilt	No	1.14	1.19
Aug. 23, 2005	Cellular CDMA	384	Mid	Right Ear - Tilt	No	1.05	1.10
Aug. 23, 2005	Cellular CDMA	777	High	Right Ear - Tilt	No	1.20	1.26
Aug. 23, 2005	Cellular CDMA	777	High	Right Ear - Tilt	Yes	1.11	1.16
Aug. 23, 2005	Cellular CDMA	1013	Low	Left Ear - Touch	No	0.855	0.895
Aug. 23, 2005	Cellular CDMA	384	Mid	Left Ear - Touch	No	1.01	1.06
Aug. 23, 2005	Cellular CDMA	777	High	Left Ear - Touch	No	1.10	1.15
Aug. 23, 2005	Cellular CDMA	777	High	Left Ear - Touch	Yes	0.961	1.01
Aug. 23, 2005	Cellular CDMA	1013	Low	Left Ear - Tilt	No	0.720	0.754
Aug. 23, 2005	Cellular CDMA	384	Mid	Left Ear - Tilt	No	0.850	0.890
Aug. 23, 2005	Cellular CDMA	777	High	Left Ear - Tilt	No	0.928	0.972
Aug. 23, 2005	Cellular CDMA	777	High	Left Ear - Tilt	Yes	0.809	0.847
Aug. 24, 2005	PCS CDMA	25	Low	Right Ear - Touch	No	0.867	0.908
Aug. 24, 2005	PCS CDMA	600	Mid	Right Ear - Touch	No	0.917	0.960
Aug. 24, 2005	PCS CDMA	600	Mid	Right Ear - Touch	Yes	0.382	0.400
Aug. 24, 2005	PCS CDMA	1175	High	Right Ear - Touch	No	0.711	0.745
Aug. 23, 2005	PCS CDMA	25	Low	Right Ear - Tilt	No	1.12	1.17
Aug. 23, 2005	PCS CDMA	600	Mid	Right Ear - Tilt	No	1.20	1.26
Aug. 23, 2005	PCS CDMA	600	Mid	Right Ear - Tilt	Yes	0.675	0.707
Aug. 23, 2005	PCS CDMA	1175	High	Right Ear - Tilt	No	0.928	0.972
Aug. 24, 2005	PCS CDMA	25	Low	Left Ear - Touch	No	0.839	0.879
Aug. 24, 2005	PCS CDMA	600	Mid	Left Ear - Touch	No	0.912	0.955
Aug. 24, 2005	PCS CDMA	600	Mid	Left Ear - Touch	Yes	0.424	0.444
Aug. 24, 2005	PCS CDMA	1175	High	Left Ear - Touch	No	0.704	0.737
Aug. 23, 2005	PCS CDMA	25	Low	Left Ear - Tilt	No	1.18	1.24
Aug. 23, 2005	PCS CDMA	25	Low	Left Ear - Tilt	Yes	0.740	0.775
Aug. 23, 2005	PCS CDMA	600	Mid	Left Ear - Tilt	No	1.17	1.23
Aug. 23, 2005	PCS CDMA	1175	High	Left Ear - Tilt	No	0.937	0.981

Note: 1. As the test data table indicates, each test within a specific configuration was performed on the same day. In addition, each test configuration within the same day was performed under identical test conditions including test device, fluid parameters, probe, DAE, output power measurements, and ambient conditions. Furthermore, the two comparison SAR evaluations “with” and “without” the SDIO installed, for each specific test configuration, were performed with identical device positioning (registration) and within two hours apart.

BODY SAR MEASUREMENT SUMMARY (Comparison of DUT “with” versus “without” SDIO Card installed)

Test Date	Test Band	Test Channel		Accessory Type	DUT Position	SDIO Installed	Measured SAR 1g (W/kg)	Scaled SAR 1g (W/kg) (+0.2 dB Conducted Power Tolerance)
Aug. 25, 2005	Cellular CDMA	384	Mid	Pouch	Back	No	0.248	0.260
Aug. 25, 2005	Cellular CDMA	384	Mid	Pouch	Back	Yes	0.253	0.265
Aug. 25, 2005	Cellular CDMA	384	Mid	Air-Gap	Back	No	0.618	0.647
Aug. 25, 2005	Cellular CDMA	384	Mid	Air-Gap	Back	Yes	0.524	0.549
Aug. 25, 2005	Cellular CDMA	384	Mid	Air-Gap	Front	No	0.636	0.666
Aug. 25, 2005	Cellular CDMA	384	Mid	Air-Gap	Front	Yes	0.522	0.547
Aug. 24, 2005	PCS CDMA	600	Mid	Pouch	Back	No	0.260	0.272
Aug. 24, 2005	PCS CDMA	600	Mid	Pouch	Back	Yes	0.101	0.106
Aug. 24, 2005	PCS CDMA	600	Mid	Air-Gap	Back	No	0.481	0.504
Aug. 24, 2005	PCS CDMA	600	Mid	Air-Gap	Back	Yes	0.258	0.270
Aug. 30, 2005	PCS CDMA & Bluetooth	600	Mid	Air-Gap	Back	No	0.523	0.548
Aug. 30, 2005	PCS CDMA & Bluetooth	600	Mid	Air-Gap	Back	Yes	0.276	0.289
Aug. 24, 2005	PCS CDMA	600	Mid	Air-Gap	Front	No	0.405	0.424
Aug. 24, 2005	PCS CDMA	600	Mid	Air-Gap	Front	Yes	0.162	0.170

Note(s):

1. As the test data table indicates, each test within a specific frequency band was performed on the same day (except for co-transmit evaluations with Bluetooth). In addition, each test configuration within the same day was performed under identical test conditions including test device, fluid parameters, probe, DAE, output power measurements, and ambient conditions. Furthermore, each of the comparison SAR evaluations “with” and “without” the SDIO installed were performed with identical device positioning (registration) and within two hours apart.
2. The SAR evaluations were performed at mid channel only based on the SAR results were > 3dB below the SAR limit (per OET Bulletin 65, Supplement C).
3. The DUT was not evaluated for body-worn SAR with SDIO card installed using the side case accessory (see original SAR test report serial no. 08220508F-T664-S24C) due to the fact that the side case accessory was not designed to accommodate the DUT with the SDIO card installed.

Test Date	Fluid Type	Conductivity σ (mho/m)	Permittivity ϵ_r	Fluid Temp. (°C)	Ambient Temp. (°C)	Barometric Pressure (kpa)	Humidity (%)
Aug. 23, 2005	835MHz Brain	0.87	41.3	22.7	22.9	101.8	31
Aug. 23, 2005	1880MHz Brain	1.40	38.5	23.3	25.3	101.5	30
Aug. 24, 2005	1880MHz Brain	1.35	38.2	23.5	24.0	102.0	31
Aug. 24, 2005	1880MHz Body	1.51	51.0	23.5	25.5	101.8	30
Aug. 25, 2005	835MHz Body	0.98	54.0	23.5	24.1	102.2	30
Aug. 30, 2005	1880MHz Body	1.58	50.9	23.5	23.4	102.2	34
Aug. 30, 2005	835MHz Body	0.97	53.8	23.3	24.2	102.2	34