Intertek ETL SEMKO

SPECIFIC ABSORPTION RATE (SAR) TEST REPORT

Telian Corporation
5th FL. Namjeun Bldg, 53-3 Haan-Dong, Kwnagmyung-Si,
Kyunggi-Do, Korea

Product: Dual Mode AMPS/TDMA Cellular Phone
Model: MTD3800
FCC ID: NPQMTD3800

Tested to the SAR Criteria in
FCC OET Bulletin 65, Supplement C (Edition 01-01)

For

Telian Corporation

Test Performed by:
Intertek
731 Enterprise Drive
Lexington, KY 40510

Test Authorized by:
Telian Corporation
5th FL. Namjeun Bldg, 53-3 Haan-Dong,
Kwnagmyung-Si,
Kyunggi-Do,, Korea

Prepared By: ______________ **Date:** 8/3/2004

Vinay Kutty, Project Engineer

Approved By: ______________ **Date:** 8/3/2004

Bryan C. Taylor, Team Leader - Engineering

The results contained in this report were derived from measurements performed on the identified test samples. Any implied performance of other samples based on this report is dependent on the representative adequacy of the samples tested.

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Telian Corporation, Model No: MTD3800
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1.0 Document History

Revision/ Job Number	Date	Change
1.0 /3062948		Original document

2.0 References

1] ANSI, *ANSI/IEEE C95.1-1991: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3kHz to 300 GHz*, The Institute of electrical and Electronics Engineers, Inc., New York, NY 10017, 1992

[2] Federal Communications Commission, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", OET Bulletin 65, FCC, Washington, D.C. 20554, 1997

[3] Thomas Schmid, Oliver Egger, and Niels Kuster, "Automated E-field scanning system for dosimetric assessments", *IEEE Transaction on Microwave Theory and Techniques*, vol. 44, pp. 105-113, Jan. 1996.

[4] Niels Kuster, Ralph Kastle, and Thomas Schmid, "Dosimetic evaluation of mobile communications equipment with know precision", IEICE Transactions on Communications, vol. E80-B, no. 5, pp.645-652, May 1997.

5] NIS81, NAMAS, "The treatment of uncertainty in EMC measurement", Tech. Rep., NAMAS Executive, National Physical Laboratory, Teddinton, Middlesex, England, 1994.

6] Barry N. Tayor and Chris E. Kuyatt, "Guidelines for evaluating and expressing the uncertainty of NIST measurement results", Tech. Rep., National Institute of Standards and Technology, 1994.

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3.0 Test Sample Information

Company Information	
Manufacturer:	Telian Corporation
Address:	5th FL. Namjeun Bldg, 53-3 Haan-Dong, Kwnagmyung-Si, Kyunggi-Do, Korea
Contact Name:	Wayne Hwang
Telephone Number:	82-2-890-0243
Fax Number:	82-2-890-0332
Email Address:	whhwang@telian.co.kr

Test sample		
Model Number:	MTD3800	
Serial Number:	Not Labeled	
FCC ID:	NPQMTD3800	
Device Category:	Portable	
RF Exposure Category:	General Population/Uncontrolled Environment	
Transmission Modes:	**AMPS**	**TDMA**
Frequency Range, MHz:	824.04 – 848.97	824.04 – 848.97
Maximum RF Output Power, dBm:	26.8	29.5
Antenna Type:	Monopole, non-retractable	
Antenna Location:	Right side, top	
Antenna Gain:	-2 dBd	
Antenna Length:	19.7 mm	

Test sample Accessories	
Battery type:	3.7V, 750mAh Li-Ion
Headset:	Generic Samsung Earbud
Carrying Case:	None
Belt Clip:	None

Test Signal Mode	
Test Commands:	X
Base Station Simulator:	-

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Test Sample Photographs

*Figure 1 – **MTD3800** (Front)*

*Figure 2 – **MTD3800** (Back)*

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4.0 Declaration of Compliance

The Dual Mode AMPS/TDMA Cellular Phone, Model: MTD3800 was evaluated for SAR in accordance with the requirements for RF Exposure compliance testing defined in FCC OET Bulletin 65, Supplement C (Edition 01-01). Testing was performed at the Intertek facility in Lexington, Kentucky.
For the evaluation, the dosimetric assessment system DASY3 was used. The phantom employed was the "SAM Twin Phantom". The total uncertainty for the evaluation of the spatial peak SAR values averaged over a cube of 1g tissue mass had been assessed for this system to be ±27.0%.

The device was tested at the maximum output power declared by Telian Corporation.

Maximum Spatial Peak 1g SAR Values for Each Test Mode		
Test Mode	**Position**	**Worst Case SAR_{1g} mW/g**
Left Side	Cheek Touch, AMPS Channel 799 – 848.97 MHz	1.31
Right Side	Cheek Touch, AMPS Channel 799 – 848.97 MHz	1.24
Body Mode	Rear of phone facing flat phantom, ear bud attached, AMPS Channel 384 – 836.52 MHz	0.689

Based on the worst case data presented above, the sample tested was found to be in compliance with the requirements defined in OET Bulletin 65, Supplement C (Edition 01-01).

Modifications required for compliance
Intertek implemented no modifications.

5.0 Test Site Description

The SAR test site located at 731 Enterprise Drive, Lexington KY 40510 is comprised of the SPEAG model DASY 3 automated near-field scanning system, which is a package, optimized for dosimetric evaluation of mobile radios [3]. This system is installed in an ambient-free shielded enclosure with RF absorbing material on the walls and ceiling. The Ambient temperature is controlled to 22.2 ±2°C. Because the HVAC operates as a closed system, the relative humidity remains constant at 50 ±5%. During the SAR evaluations, the RF ambient conditions are monitored continuously for signals that might interfere with the test results. The tissue simulating liquid is also stored and validated in this area in order to keep it at the same constant ambient temperature as the room.

Telian Corporation, Model No: MTD3800
FCC ID: NPQMTD3800
Measurement Equipment

The following major equipment/components were used for the SAR evaluations:

SAR Measurement System			
EQUIPMENT	**SPECIFICATIONS**	**S/N**	**Last Cal. Data**
Robot	**Stäubli RX60L**	597412-01	N/A
	Repeatability: ± 0.025mm Accuracy: 0.806x10^{-3} degree Number of Axes: 6		
E-Field Probe	**ET3DV6**	1576	8/29/2003
	Dynamic Range: 5 µW/g to >100 mW/g Tip diameter: 6.8 mm Probe Linearity: ± 0.2 dB (30 MHz to 3 GHz) Axial isotropy: ± 0.2 dB Spherical isotropy: ± 0.2 dB Length: 34.5 cm Distance between the probe tip and the dipole center: 2.7 mm Calibration: 900, 1800, 2450 MHz for head & body tissue simulating liquid		
Data Acquisition	**DAE3**	317	N/A
	Measurement Range: 1µV to >200mV Input offset Voltage: < 1µV (with auto zero) Input Resistance: 200 M		
Phantom	**SAM Twin V4.0**	TP-1243	QD000P40CA
Complies with IEEE P1528-200x, draft 6.5 (See certificate in App. C)	Type SAM Twin, Homogenous Shell Material: Fiberglass Thickness: 2 ± 0.2 mm Capacity: 20 liter Size of the flat section: approx. 320 x 230 mm		
Device holder	Non-conductive holder supplied with DASY3, dielectric constant less than 5.0	N/A	N/A
Spectrum Analyzer	**HP 8566B**	1461	11/21/03
	Frequency Range: 100Hz – 2 GHz / 2 GHz – 22GHz		
RF Power Meter	**Boonton 5232**	13601	11/21/03
Signal Generator	**HP 83620 B**	3614A00199	8/21/03
	Frequency Range: 10MHz – 20 GHz Amplitude Range: -110 dBm – 25 dBm		

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Measurement Uncertainty

The table below includes the uncertainty budget suggested by the IEEE Std 1528-200X and determined by SPEAG for the DASY3 measurement System. The extended uncertainty (K=2) was assessed to be 27.0 %

Uncertainty Component	Tolerance (± %)	Probability Distribution	Divisor	c_i	Standard Uncertainty, (± %)	v_i^2 or v_{eff}
Measurement System						
Probe Calibration	4.8	Normal	1	1	4.8	Inf.
Axial Isotropy	4.7	Rectangular	√3	$(1\text{-cp})^{1/2}$	1.9	Inf.
Spherical Isotropy	9.6	Rectangular	√3	$\sqrt{c_p}$	3.9	Inf.
Boundary Effect	5.5	Rectangular	√3	1	3.2	Inf.
Linearity	4.7	Rectangular	√3	1	2.7	Inf.
System Detection Limits	1.0	Rectangular	√3	1	0.6	Inf.
Readout Electronics	1.0	Normal	1	1	1.0	Inf.
Response Time	0.8	Rectangular	√3	1	0.5	Inf.
Integration Time	1.4	Rectangular	√3	1	0.8	Inf.
RF Ambient Conditions	3.0	Rectangular	√3	1	1.7	Inf.
Probe Positioner Mechanical Tolerance	0.4	Rectangular	√3	1	0.2	Inf.
Probe Positioning with respect to Phantom Shell	2.9	Rectangular	√3	1	1.7	Inf.
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	3.9	Rectangular	√3	1	2.3	Inf.
Test sample Related						
Test Sample Positioning	6.0	Normal	0.89	1	6.7	12
Device Holder Uncertainty	5.0	Normal	0.84	1	5.9	8
Output Power Variation - SAR drift measurement	5.0	Rectangular	√3	1	2.9	Inf.
Phantom and Tissue Parameters						
Phantom Uncertainty (shape and thickness tolerances)	4.0	Rectangular	√3	1	2.3	Inf.
Liquid Conductivity Target tolerance	3.0	Rectangular	√3	0.6	1.0	Inf.
Liquid Conductivity - measurement uncertainty	10.0	Rectangular	√3	0.6	3.5	Inf.
Liquid Permittivity Target tolerance	4.0	Rectangular	√3	0.6	1.3	Inf.
Liquid Permittivity - measurement uncertainty	5.0	Rectangular	√3	0.6	1.7	Inf.
Combined Standard Uncertainty					13.5	
Expanded Uncertainty (95% CONFIDENCE INTERVAL)					27.0	

Notes.

1. The Divisor is a function of the probability distribution and degrees of freedom (ν_i and ν_{eff}). See NIST Technical Note TN1297, NIS 81 and NIS 3003.
2. c_i is the sensitivity coefficient that should be applied to convert the variability of the uncertainty component into a variability of SAR.

Measurement Traceability

All measurements described in this report are traceable to National Institute of Standards and Technology (NIST) standards or appropriate national standards.

6.0 Evaluation Procedures

Tissue Simulating Liquid Depth:

Prior to the start of testing, the SAM phantom was filled with the appropriate tissue simulating liquid for the frequency range and test mode of the transmitter. The depth of the fluid was 15cm ±2mm.

Test Positions:

The Device was positioned against the SAM and flat phantoms using the exact procedure described in Supplement C Edition 01 – 01 of Federal Communications Commission, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", OET Bulletin 65, FCC, Washington, D.C. 20554, 1997.

Reference Power Measurement:

The measurement probe was positioned at a fixed location above the reference point. A power measurement was made with the probe above this reference position so it could used for the assessing the power drift later in the test procedure.

Coarse Scan:

A coarse area scan with a horizontal grid spacing of 20 x 20 mm was performed in order to find the approximate location of the peak SAR value. This scan was performed with the measurement probe at a constant height in the simulating fluid. A two dimensional spline interpolation algorithm was then used to determine the peaks and gradients within the scanned area.

Zoom Scan:

A zoom scan was performed around the approximate location of the peak SAR as determined from the coarse scan. The zoom scan was comprised of a measurement volume of 32 x 32 x 34 mm based on 5 x 5 x 7 points. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

Data Extrapolation:

Since the center of the dipoles in the measurement probe are 2.7 mm away from the tip of the probe, and the distance between the surface and the lowest measurement point is 1.6 mm the data at the surface was extrapolated. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in the Z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.

The maximum interpolated value was searched with a straightforward sorting algorithm. Around this maximum, the SAR values averaged over the spatial volumes (1g or 10g) were computed using a 3-D spline interpolation algorithm. The 3-D spline is composed of three one-dimensional splines with the

"Not a knot" condition (in x, y and z directions). The volume was integrated with a trapezoidal algorithm. 1000 points (10 x 10 x 10) were interpolated to calculate the average.

All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Reference Power Measurement:

The probe was positioned at precisely the same reference point and the reference power measurement was repeated. The difference between the initial reference power and the final one is referred to as the power drift. If the power drift exceeded 5% of the final peak SAR value, the measurement was repeated.

RF Ambient Activity:

During the entire SAR evaluation, the RF ambient activity was monitored using a spectrum analyzer with an antenna connected to it. The spectrum analyzer was tuned to the frequency of measurement and with one trace set to max hold mode. In this way, it was possible to determine if at any point during the SAR measurement there were an interfering ambient signal. If an ambient signal was detected, then the SAR measurement was repeated.

7.0 Simulating Tissue Validation

The dielectric parameters (ε_r, σ) of the simulating tissue being used were verified prior to assessment using the HP 85070A dielectric probe kit and the HP 8753C Network Analyzer. The probe was calibrated first using a reference liquid (de-ionized water) at 20°C. This verification was carried out on each day of testing and each time the simulating fluid was changed. The final test solution was adjusted by adding small amounts of water, sugar, and/or salt to calibrate the solution to meet the proper dielectric parameters.

Tissue Simulating Liquid Description (Percentage by Weight) and Targed Dielectric Parameters										
	450 MHz		835 MHz		915 MHz		1900 MHz		2450 MHz	
Tissue Type	**Head**	**Body**	**Head**	**Body**	**Head**	**Body**	**Head**	**Body**	**Head**	**Body**
Water	38.56	51.16	41.45	52.4	41.05	56.0	54.9	40.4	62.7	73.2
NaCl	3.95	1.49	1.45	1.4	1.35	0.76	0.18	0.5	0.5	0.04
Sugar	56.32	46.78	56.0	45.0	56.5	41.76	0.0	58.0	0.0	0.0
HEC	0.98	0.52	1.0	1.0	1.0	1.21	0.0	1.0	0.0	0.0
Bactericide	0.19	0.05	0.1	0.1	0.1	0.27	0.0	0.1	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0
DGBE	0.0	0.0	0.0	0.0	0.0	0.0	44.92	0.0	0.0	26.7
Target ε_r	**43.5**	**56.7**	**41.5**	**55.2**	**41.5**	**55.0**	**40.0**	**53.3**	**39.2**	**52.7**
Target σ	**0.87**	**0.94**	**0.9**	**0.97**	**0.98**	**1.06**	**1.4**	**1.52**	**1.8**	**1.95**

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Simulating Tissue Validation Results

Cell Band Tissue Parameters - Head								
Frequency Measure (MHz)	**Dielectric Constant Target**	**Dielectric Constant Measure**	**Dielectric % Deviation**	**Imaginary Part**	**Conductivity Target**	**Conductivity Measure**	**Conductivity % Deviation**	**Date**
835	41.5	41.75	0.60	18.66	0.9	0.87	3.75	7/28/2004
900	41.5	40.64	2.07	18.53	0.97	0.93	4.42	7/28/2004
915	41.5	40.51	2.39	18.45	0.98	0.94	4.23	7/28/2004

Cell Band Tissue Parameters - Body								
Frequency Measure (MHz)	**Dielectric Constant Target**	**Dielectric Constant Measure**	**Dielectric % Deviation**	**Imaginary Part**	**Conductivity Target**	**Conductivity Measure**	**Conductivity % Deviation**	**Date**
835	55.2	54.6	1.09	20.49	0.97	0.95	1.94	7/28/2004
900	55	54.68	0.58	20.54	1.05	1.03	2.12	7/28/2004
915	55	54.4	1.09	20.36	1.06	1.04	2.29	7/28/2004

Cell Band Tissue Parameters - Head								
Frequency Measure (MHz)	**Dielectric Constant Target**	**Dielectric Constant Measure**	**Dielectric % Deviation**	**Imaginary Part**	**Conductivity Target**	**Conductivity Measure**	**Conductivity % Deviation**	**Date**
835	41.5	41.2	0.72	18.73	0.9	0.87	3.39	7/29/2004
900	41.5	40.71	1.90	18.59	0.97	0.93	4.11	7/29/2004
915	41.5	40.46	2.51	18.41	0.98	0.94	4.44	7/29/2004

Cell Band Tissue Parameters - Body								
Frequency Measure (MHz)	**Dielectric Constant Target**	**Dielectric Constant Measure**	**Dielectric % Deviation**	**Imaginary Part**	**Conductivity Target**	**Conductivity Measure**	**Conductivity % Deviation**	**Date**
835	55.2	54.79	0.74	20.49	0.97	0.95	1.94	7/29/2004
900	55	54.77	0.42	20.5	1.05	1.03	2.31	7/29/2004
915	55	54.47	0.96	20.28	1.06	1.03	2.68	7/29/2004

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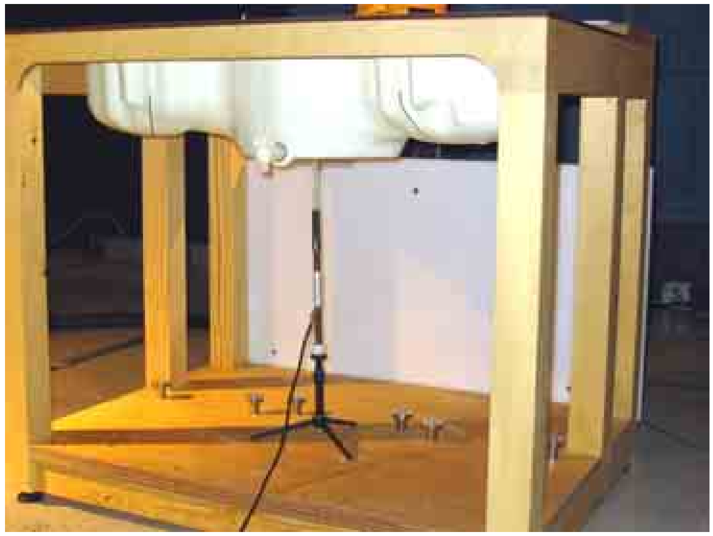
Dipole System Validation Results

Prior to the assessment, the entire measurement system was verified by using precision dipole antennas to generate a known field below the phantom reference point. A normal SAR scan was performed, and the maximum 1g SAR was compared to the result that was obtained by the calibration lab on the same dipole. The measurement system was considered to be operating properly if the measured 1g SAR was within ±10% of the value obtained by the calibration lab. The validation was performed at each frequency shown in the table below.



Reference Dipole Validation								
Frequency Measure (MHz)	**Dipole Type**	**Dipole Serial Number**	**Fluid Type**	**Dipole Power Input**	**Cal. Lab SAR (1g)**	**Measured SAR (1g)**	**% Error SAR (1g)**	**Date**
900	D900V2	13	900 MHz Head	1W	10.6	10.80	1.89	7/28/2004
900	D900V2	13	900 MHz Head	1W	10.6	10.90	2.83	7/29/2004

8.0 Engineering Judgments

The MTD3800 may be worn on the body with the use of a holster, case or belt clip. It was determined that the EUT could be worn with either its back side or front side facing the body. SAR scans on the flat phantom (body mode) were performed in all test modes with both the front and back side of the EUT facing the flat phantom. Since the means of attaching the EUT to the body were not provided, a token distance of 15mm was used to separate the EUT from the phantom. The MTD3800 can also be operated with a headset or ear bud attached. During the evaluation of the EUT in the body mode, a Samsung ear bud was left plugged into the headset jack of the phone.

For all testing performed during this evaluation, SAR measurements were taken at the low, mid and high frequencies of each mode (AMPS/TDMA) tested.

9.0 Criteria

The following FCC limits for SAR apply to devices operating in General Population/Uncontrolled Exposure environment:

Exposure (General Population/Uncontrolled Exposure environment)	**SAR (W/kg)**
Average over the whole body	0.08
Spatial Peak (1g)	1.60
Spatial Peak for hands, wrists, feet and ankles (10g)	4.00

10.0 Tabular Test Results

The results on the following page(s) were obtained when the device was tested in the condition described in this report. Detail measurement data and plots, which reveal information about the location of the maximum SAR with respect to the device, are reported in Appendix A.

During the test, the RF output power of the test sample varied by a small amount due to heat and battery output power. To take into account this power drift a reference measurement was performed at a predefined position in the fluid just before and just after each SAR scan. The difference in these values is recorded in the table below as the SAR drift. The 1-g SAR was extrapolated for drift and is shown in the table below.

Extrapolated SAR = Measured SAR*10^-(Drift/10)

For positive drift values no extrapolation was performed. A dashed line will appear in the table for the extrapolation values in this case.

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Head Mode, Cheek Touch, AMPS								
Channel	**Freq. (MHz)**	**Test Position**	**Other Attachments**	**SAR Drift (dB)**	**Measured 1-g SAR (mW/g)**	**Meas. 10g-SAR (mw/g)**	**Extrapolated Worst Case 1-g SAR (mW/g)**	**Extrapolated Worst Case 10-g SAR (mW/g)**
991	824.04000	Left	None	-0.010	1.170	0.797	1.173	0.799
384	836.52000	Left	None	0.060	1.230	0.834	-	-
799	848.97000	Left	None	0.006	1.310	0.888	-	-
991	824.04000	Right	None	-0.020	1.040	0.716	1.045	0.719
384	836.52000	Right	None	-0.100	1.160	0.793	1.187	0.811
799	848.97000	Right	None	0.000	1.240	0.843	-	-

Head Mode, Cheek Tilt, AMPS								
Channel	**Freq. (MHz)**	**Test Position**	**Other Attachments**	**SAR Drift (dB)**	**Measured 1-g SAR (mW/g)**	**Meas. 10g-SAR (mw/g)**	**Extrapolated Worst Case 1-g SAR (mW/g)**	**Extrapolated Worst Case 10-g SAR (mW/g)**
991	824.04000	Left	None	-0.010	0.792	0.532	0.794	0.533
384	836.52000	Left	None	0.050	0.856	0.586	-	-
799	848.97000	Left	None	0.050	0.826	0.549	-	-
991	824.04000	Right	None	-0.060	0.741	0.512	0.751	0.519
384	836.52000	Right	None	-0.090	0.777	0.537	0.793	0.548
799	848.97000	Right	None	-0.010	0.853	0.577	0.855	0.578

Head Mode, Cheek Touch, TDMA								
Channel	**Freq. (MHz)**	**Test Position**	**Other Attachments**	**SAR Drift (dB)**	**Measured 1-g SAR (mW/g)**	**Meas. 10g-SAR (mw/g)**	**Extrapolated Worst Case 1-g SAR (mW/g)**	**Extrapolated Worst Case 10-g SAR (mW/g)**
991	824.04000	Left	None	-0.040	1.060	0.724	1.070	0.731
384	836.52000	Left	None	0.040	1.290	0.873	-	-
799	848.97000	Left	None	0.210	1.300	0.883	-	-
991	824.04000	Right	None	-0.150	0.991	0.681	1.026	0.705
384	836.52000	Right	None	-0.070	1.160	0.798	1.179	0.811
799	848.97000	Right	None	0.100	1.200	0.818	-	-

Head Mode, Cheek Tilt, TDMA								
Channel	**Freq. (MHz)**	**Test Position**	**Other Attachments**	**SAR Drift (dB)**	**Measured 1-g SAR (mW/g)**	**Meas. 10g-SAR (mw/g)**	**Extrapolated Worst Case 1-g SAR (mW/g)**	**Extrapolated Worst Case 10-g SAR (mW/g)**
991	824.04000	Left	None	-0.020	0.726	0.487	0.729	0.489
384	836.52000	Left	None	0.010	0.867	0.579	-	-
799	848.97000	Left	None	-0.040	0.829	0.551	0.837	0.556
991	824.04000	Right	None	-0.140	0.663	0.458	0.685	0.473
384	836.52000	Right	None	-0.120	0.809	0.543	0.832	0.558
799	848.97000	Right	None	-0.130	0.822	0.557	0.847	0.574

Body Mode, AMPS								
Channel	**Freq. (MHz)**	**Test Position (Side facing phantom)**	**Other Attachments**	**SAR Drift (dB)**	**Measured 1-g SAR (mW/g)**	**Meas. 10g-SAR (mw/g)**	**Extrapolated Worst Case 1-g SAR (mW/g)**	**Extrapolated Worst Case 10-g SAR (mW/g)**
991	824.04000	Back side	Ear bud	-0.120	0.394	0.280	0.405	0.288
384	836.52000	Back side	Ear bud	-0.330	0.639	0.469	0.689	0.506
799	848.97000	Back side	Ear bud	0.200	0.413	0.290	-	-
991	824.04000	Front side	Ear bud	-0.130	0.357	0.254	0.368	0.262
384	836.52000	Front side	Ear bud	-0.060	0.429	0.305	0.435	0.309
799	848.97000	Front side	Ear bud	-0.120	0.394	0.280	0.405	0.288

Body Mode, TDMA								
Channel	**Freq. (MHz)**	**Test Position (Side facing phantom)**	**Other Attachments**	**SAR Drift (dB)**	**Measured 1-g SAR (mW/g)**	**Meas. 10g-SAR (mw/g)**	**Extrapolated Worst Case 1-g SAR (mW/g)**	**Extrapolated Worst Case 10-g SAR (mW/g)**
991	824.04000	Back side	Ear bud	-0.100	0.461	0.329	0.472	0.337
384	836.52000	Back side	Ear bud	-0.060	0.462	0.329	0.468	0.334
799	848.97000	Back side	Ear bud	0.130	0.436	0.310	-	-
991	824.04000	Front side	Ear bud	-0.110	0.407	0.291	0.417	0.298
384	836.52000	Front side	Ear bud	-0.010	0.413	0.295	0.414	0.296
799	848.97000	Front side	Ear bud	0.410	0.346	0.245	-	-