

	Test Report Serial No.:	120705H25-F701-S90D	Report Issue Date:	Dec. 16, 2005
	Date(s) of Evaluation:	December 08, 2005	Report Rev. No.:	Revision 0
	Description of Tests:	RF Exposure SAR	FCC §2.1093	IC RSS-102

4.0 MEASUREMENT SUMMARY

BODY-WORN SAR EVALUATION RESULTS

Freq. (MHz)	Test Chan.	Test Mode	Antenna Tested	Antenna Position to Planar Phantom		Separation Distance to Planar Phantom (cm)	Cond. Power Before Test (dBm)	Measured SAR 1g (W/kg)	SAR Drift During Test (dB)	Scaled SAR 1g with droop (W/kg)	Scaled SAR 1g with additional 0.5 dB EMC Cond. Power (W/kg)
2430	2	DSSS	Antenna 1	Back Side	Non-radiating side	0.0	19.2	0.0475	-0.560	0.0540	0.0606
2430	2	DSSS	Antenna 1	Front Side	Radiating Side	0.0	19.2	0.357	-0.601	0.410	0.460
2430	2	DSSS	Antenna 2	Back Side	Non-radiating side	0.0	19.2	0.0410	-0.532	0.0463	0.0519
2430	2	DSSS	Antenna 2	Front Side	Radiating Side	0.0	19.2	0.276	-0.631	0.319	0.358
2380	1	DSSS	Antenna 2	Front Side	Radiating Side	0.0	19.3	0.392	-0.583	0.448	0.503
2480	3	DSSS	Antenna 2	Front Side	Radiating Side	0.0	19.5	0.378	-1.09	0.486	0.545
2380	1	DSSS	Antenna 1	Front Side	Radiating Side	0.0	19.3	0.605	-0.514	0.681	0.764
2480	3	DSSS	Antenna 1	Front Side	Radiating Side	0.0	19.5	0.462	-0.639	0.535	0.600
ANSI / IEEE C95.1 1999 - SAFETY LIMIT				BODY: 8.0 W/kg (averaged over 1 gram)			Spatial Peak - Controlled Exposure / Occupational				
Test Date(s)			December 8, 2005			Relative Humidity			30		%
Measured Fluid Type			2450 MHz Body			Atmospheric Pressure			103.5		kPa
Dielectric Constant ε _r			IEEE Target		Measured	Deviation	Ambient Temperature		23.2		°C
			52.7	± 5%	51.3	-2.7%	Fluid Temperature		23.8		°C
Conductivity σ (mho/m)			IEEE Target		Measured	Deviation	Fluid Depth		≥ 15		cm
			1.95	± 5%	1.97	+1.0%	ρ (Kg/m ³)		1000		

Note(s):

1. **Antenna 1 = Front Side Upper Left Vest Pouch - Antenna 2 = Back Side Upper Right Vest Pouch**
2. The measurement results were obtained with the DUT tested in the conditions described in this report. Detailed measurement data and plots showing the maximum SAR location of the DUT are reported in Appendix A.
3. If the SAR measurements performed at the mid channel were ≥ 3 dB below the SAR limit; SAR evaluation for the low and high channels was optional (per FCC OET Bulletin 65, Supplement C, Edition 01-01 (see reference [3])).
4. The power droops measured by the DASY4 system for the duration of the SAR evaluations were added to the measured SAR levels to report scaled SAR results as shown in the above test data table.
5. A SAR-versus-Time power droop evaluation was performed in the test configuration that reported the worst-case power droop. See Appendix A (SAR Test Plots) for SAR-versus-Time power droop evaluation plot.
6. The DUT was tested with fully charged batteries for all evaluations.
7. The ambient and fluid temperatures were measured prior to, and during, the fluid dielectric parameter check and the SAR evaluations. The temperatures reported were consistent for all measurement periods.
8. The dielectric parameters of the simulated tissue mixture were measured prior to the SAR evaluation using an ALS-PR-DIEL Dielectric Probe Kit and an HP 8753ET Network Analyzer (see Appendix C).
9. The SAR evaluation was performed within 24 hours of the system performance check.

Applicant:	DTC Communications, Inc.	FCC ID:	H25TPDXTX100SBW	Freq.:	2380-2480 MHz		
Model(s):	PDTX100SBW	DUT:	DSSS Wireless Body-Worn Video Vest Transmitter				
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