



MOTOROLA

ISO/IEC 17025 A2LA
certificate No. 1449-02

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S.A.R. EME Compliance Test Report

Date of Report: 6/19/02
Report ID: i60c020619
Report Author: Michael Sailsman
EME Regulatory Affairs Liaison
Tested By: Jim Fortier
Senior Staff Engineer
Submission Date: 3/27/02
Date/s Tested: 4/2/02 – 4/10/02

Manufacturer/Location: Motorola/Plantation FL.
Sector/Group/Div.: iDEN Subscriber
EUT Description: i60c Sparrow; 1:6, 2:6, 81:120 TDM; 64QAM,
16QAM & QPSK Modulation; 0.6W (Pulse
Average)
Test TX mode: 2:6, 1:6, 81:120 TDMA
FCC ID: AZ489FT5808
Trade Name/Model(s): iDEN i60c
Classification: General Population/Uncontrolled
Max. Power output: 0.7W Pulsed Averaged
Tx Frequency Bands: 806-825 MHz
Test Frequency/s: 806.0125, 813.5125, 824.9875 MHz
Model Tested: H59UAH6RR5AN
Model Certified: H59UAH6RR5AN
Serial Number(s): 919ACE0BRX

This report serves to disclose supplementary S.A.R. results For FCC ID: AZ489FT5808 i60c model H59UAH6RR5AN, stated herein. The i60c radio is a derivative of model H41UAH6RR1AN (i90c).

The following is a summary of the highest S.A.R. results at the head, face, and abdomen.

Test Position	Radio Serial Number	Test freq (MHz)	Antenna/ Pos	Carry Case	Audio Acc.	Battery	Initial Power (W)	End Power (W)	S.A.R. meas. (mW/g)	S.A.R. Max Calc. (mW/g)
Head Phone mode 2:6 left ear touch	919ACE0BRX	824.9875	8585890C01/ Out	None	None	SNN5705B	0.70	0.71	0.59	0.59
Face PTT 6:1 Flip closed	919ACE0BRX	813.5125	8585890C01/ Out	None	None	SNN5705B	0.68	0.69	0.14	0.14
Abdomen Data Mode 81/120	919ACE0BRX	813.5125	8585890C01/ Out	NNTN4126A	SKN6311A	SNN5705B	0.69	0.59	0.61	0.73
Abdomen Ant. 2.5cm(Back) Data Mode 81/120	919ACE0BRX	813.5125	8585890C01/ Out	None	SKN6311A	SNN5705B	0.68	0.60	0.47	0.55

Note: All accessories and options offered with this radio were considered in assessing the highest S.A.R. performance.

Per item #13 of the OET 65 Supplement C EAB Part 22/24 SAR Review Reminder Sheet 01/2002 handed out during the February and April, 2002 TCB council meeting the tabulated total measurement uncertainty is nominal until the IEEE Std 1528 is completed. Much of the required information has to be supplied by the equipment manufacturer, which has not yet been officially supplied. Other items are based on results of studies currently underway. Our work is scheduled to be complete by the time IEEE P1528 is ratified. The current total measurement uncertainty is +/-12.1 % (K=1).

The results above reflect lower S.A.R. performance than the previously reported values 1.15 mW/g at the head and 0.71 mW/g at the abdomen.

This radio has been tested in accordance with the measurement procedures specified in FCC Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97-01) and other applicable national and international guidelines. The test results clearly demonstrates compliance with FCC General Population/Uncontrolled RF Exposure Limits of 1.6 W/Kg per the requirements of 47 CFR 2.1093(d).

Measurements were performed using a DASY3 v3.1d system manufactured by Schmid & Partner Engineering AG (SPEAG™), of Zurich Switzerland and a SAM phantom V.40 also supplied by SPEAG.

E-Field Probe: ET3DV6 – SN1384 Calibration date 5/23/01
Data Acquisition Box: DAE3 V1– SN406 Calibration date: 2/8/02
Power meter: E4418B Calibration date: 2/13/02

Note: Based on the information provided and the testing results obtained for the above described product, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with all applicable national and international standards and guidelines.

/s/ Ken Enger

6/19/02

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Date Approved

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