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Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT5ZN1).

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## Contents

- 1) Summary of FCC request for additional information
- 2) Response to request

Appendix A: Included data

## 1. Summary of FCC request for additional information

There was a request for additional information regarding relationship between the use of the product and the SAR test data submitted with the Report for Motorola's portable cellular phone (FCC ID IHDT5ZN1) dated July 21, 1999. The requested information may be summarized as follows:

- a) The highest SAR for left side of head is 1.38 W/kg, antenna OUT on channel 799. The SAR plot provided is for antenna IN condition. There is a power drift of 1.88 dB indicated on this SAR plot. Please confirm the direction of power drift with respect to the 251 mW conducted output indicated in the SAR report.
- b) Please also submit SAR plot for the highest SAR condition, 1.38 W/kg, on the left side of the head.

## 2. Response to request

The additional SAR plot requested for the left side of the head with the Antenna Out on channel 799 is included as appendix A. The power drift of 1.88 dB indicated is representative of the drifts seen on the rest of the SAR plots for this cellular phone. The additional SAR plot included also has a drift of +1.88 dB, which means that the transmit power of the phone increased during the course of the measurement time.

## Appendix A

### Additional Measurement Results of Cellular Phone FCC ID IHDT5ZN1

06/09/99

## S/N 2BZ05260000545DA

Ch799/ Pwr 2 / Antenna Extended/JK

MOTO Left Phantom; Left Head Section; Position: (80°,220°); Frequency: 849 MHz

Probe: ET3DV4 - SN1005 (DAE2); ConvF(5.90,5.90,5.90); Crest factor: 1.0; Brain 800Mhz:  $\sigma = 0.90$  mho/m  $\epsilon_r = 44.0$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 1.38 [mW/g], SAR (10g): 0.982 [mW/g], (Worst-case extrapolation)

Coarse: Dx = 10.0, Dy = 10.0, Dz = 0.0

Powerdrift: 1.88 dB

