



September 18, 2001

Federal Communications Commission  
Equipment Approval Services  
7435 Oakland Mills Road  
Columbia, MD 21046  
Attn: Joe Dichoso

**SUBJECT: RadioShack Corporation**  
**FCC ID: AAO1900903**  
**731 Confirmation No.: EA99930**  
**Correspondence Ref. No.: 20583**

Dear Joe:

On behalf of RadioShack Corporation we hereby submit our response to Item #1 of your e-mail dated September 12, 2001 requesting additional information for the subject application.

We have retested the device at 5.0 Watts conducted power and with a muscle conductivity level of 0.94 mho/m. Due to the recent reported increase in the thickness of the phantom from the required 2.0mm to 3.2mm, the manufacturer reported new system validation target values for our newly calibrated 1800MHz and 900MHz dipoles. At 1800MHz with a separation distance of 10mm from the center of the dipole axis to the fluid and at 900MHz with separation distances of 15mm, the new target values are lower then expected by 12% and 8% respectively. As the frequency is reduced further, the error due to the increased phantom thickness becomes less significant. Since the manufacturer has not given target values for other frequencies, it is estimated by extrapolation that at 450MHz the actual measured SAR values are approximately 5% lower then required. This would cause both face-held and body-worn RF exposure evaluations to be approximately 5% lower then reported since they were both performed in the planar section of the phantom.

Please find attached the new SAR test report reflecting the appropriate conducted power level (5.0 Watts) and conductivity level for muscle (0.94 mho/m), with the extrapolated SAR values and reported increase in phantom thickness from the system manufacturer.

If you have any questions or comments concerning the above, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Shawn McMillen", is written over a horizontal line.

Shawn McMillen  
General Manager  
Celltech Research Inc.  
Testing & Engineering Lab

cc: RadioShack Corporation  
Timco Engineering