

February 5, 2001

Bryan McWatters
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Com-Net Ericsson Critical Radio Systems
3315 Old Forest Road, Lynchburg VA.
P.O Box 2000
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Subject: OET questions concerning SAR

With respect to your e-mail to Jacek Wojcik, we are forwarding you our responses to FCC questions 1, 3, and 5. The relevant portions of the FCC's e-mail follow with our response inserted in the appropriate place:

To: Bryan McWatters, Ericsson Inc.
From: Joe Dichoso
jdichoso@fcc.gov
FCC Application Processing Branch

Re: FCC ID OWDTR0007-E
Applicant: Com-Net Ericsson Critical
Radio Systems, Inc.
Correspondence Reference Number: 17923
731 Confirmation Number: EA99080

1. With respect to reply item 1 of correspondence 17141, please identify the actual output used in testing the different SAR configurations. The relative output may be used to show output stability, but would not identify the actual output for supporting the SAR results or when needed for re-testing purposes.

Response:

With a 20dB attenuator and cable losses of 2.96 dB. The total attenuation when measuring relative power before and after SAR scans was 22.96 dB. Here is a table showing the absolute power measurements during the SAR testing process.

Absolute Power Readings(dBm) Battery #	
Before	After
32.21	32.25
32.26	32.27
32.24	32.29
32.26	32.32

3. Response # 4 indicates the belt-loop has 1 mm separation distance, which does not appear to be consistent with what is indicated in the photo; please clarify.

Response:

Inadvertently, we had a typographical error. It should read 11mm.

5. Please complete the 10-g hand SAR. The final value is needed for listing on the grant of equipment approval.

Note: Output is 1.24 W ERP, cover letter (reply) has indicated 1.7 W conducted but still waiting to confirm conducted output used in SAR.

Response:

The measured 10-g hand SAR is 8.04 W/kg
The extrapolated 10-g hand SAR 10.83 W/kg

- The conducted power outputs measured during SAR testing are provided in the table in response 1.

If have any further questions regarding the above please feel free to contact us.

Best regards,
Jay Sarkar
Technical Director
Standards and Certification
APREL LABORATORIES