

To: 'Phang Wayne-EWP004'
Cc: 'Johnson Ricky-ERJ003'; 'Ramnath Mike-EMR003'; TCB_Admin ITS/ES-Crt
Subject: RE: SAR summery report for Motorola T59XX GMRS radio

Wayne:

Review of your SAR report is complete, and we note the following:

1. This probe calibration data is absent:
 - axial, hemispherical isotropy plots
 - dynamic range and linearity plot

Please provide this information, or indicate how compliance with requirements is documented. A copy of the SPEAG calibration plots is acceptable.

2. This SAR computation is absent:
 - coarse scanning procedures used to locate peak SAR
 - interpolation procedures used to identify peak SAR
 - fine scanning procedures used to determine peak 1-g SAR
 - integration procedures used to determine highest 1-g and 10-g SAR in cube

Please provide this information, as supplementary documentation.

3. Please indicate how the minimum 15 cm liquid depth in the flat phantom was assessed and assured.

4. Please indicate which accessories if any are metallic.

5. Section 8 of the test report lists the highest face-held SAR values calculated as 0.92(1-g) and 0.63 (10-g). The table in Section 7.1 lists SAR values of 1.10 (1-g) and 0.753 (10-g). Please explain the differences.

6. A source-based, time-averaged duty cycle of 50% for SAR calculation is allowed for push-to-talk transmitters. Your calculations do not appear to include this factor, based on a CW test signal. Please explain why a 50% factor does not apply for this device. If it does apply, you should re-compute the maximum SAR values accordingly. The reported 1-g value of 1.55 is marginal to the limit of 1.6 W/g.

Certification can be completed as soon as the above issues are resolved.

Sincerely,
Roland Gubisch
Intertek TCB