

FCC ID: PY7 1130402
Applicant: Sony Ericsson Mobile Communications AB
Correspondence Reference Number: 4909 **Dated:** 2002-08-19
731 Confirmation Number: TC427359

1) DC currents and voltages in the final amplifier stage, Range of operating powers, and Tune-up procedure, per CFR47 2.1033(c). These items could not be located.

Answer 1:

The requested can be found in the uploaded Document "Tune up Procedure"

2) Justification for emission designator. F2D is not expected.

Answer 2:

The emission designator has been corrected to 300KGXW

3) Clarification of tune range capability of the device. The value placed in "Tech Specs" differ from those stated in the operational description. "Tech Specs" should contain the actual tune range of the device. Please clarify.

Answer 3:

The used frequency range of this device is 1850,2 MHz to 1909,8 MHz, has been corrected in the grant.

SAR

1) Strong justification for 14% scaling of SAR values. As appropriate provide new SAR data taken with unit at full power. Supplement C allows only 5% scaling to compensate for an unexpected reduction in power.

Answer 1:

A corrected SAR report has been uploaded

2) Details of the tested prototypes device. Please state the major differences between this prototype and the final production model.

Answer 2:

Please check the uploaded "FCC statement"

3) New user manual with appropriate RF safety statement. None could be located.

Answer 3:

Corrected User manual has been uploaded

4) Forward power used for system validation. In one case 250 mW is stated in another case no forward power is given values do not suggest a 250 mW output.

Answer 4:

Forward power used for system validation is 100mW except where other values has been used. The 250mW has been used by external company when validating the equipment

7) Strong justification for validity of SAR test results. It appears that liquid dielectric parameters were not within the 5% target window. Please include an analysis of the expected variation on the SAR value. Alternatively please provide new SAR data using a liquids within the target window.

Answer 7:

In the SAR report item 7 a analysis of the uncertainty of the SAR measurements has been included. Total uncertainty is 31.2 % on body and 31.0 on head measurements. Liquid dielectric influence on the total uncertainty is 4.5% on body and 3.6 on head measurements.

Liquid permittivity deviation in this report is 6.3/7.7 and compare to a liquid permittivity deviation on maximum 5% that will correspond to a Liquid dielectric influence on the total uncertainty with 2.9 percentage units.

The difference in influence is 2.6% units. This difference in influence was not significantly affecting the final SAR results uncertainty in such way that the final SAR value would be significant higher or in anyway close to the limits for SAR. Our judgement was that the evaluated liquid was not affecting the uncertainty of the final results.

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8) Please provide SAR plots for all measurements. Please include ambient and liquid temperatures, device test configuration on all plots.

Answer 8:

A corrected SAR report has been uploaded Additional SAR plots have been uploaded

9) Liquid depths during testing. To confirm this please provide appropriate photographs and/or Z-axis scan SAR data for the highest SAR test points.

Answer 9:

The requested has been upoloaded " Liquid depth"