

The response to your questions are listed below:

Re: FCC ID NRR-S4X  
Applicant: Bosch Telecom Danmark AS  
Correspondence Reference Number: 16227  
731 Confirmation Number: EA98749  
Date of Original E-Mail: 09/21/2000

Please place your reply in the RF exposure info folder. A technical review is pending. Make sure the EIRP measurements are submitted.

Bosch Telecom, EA 98749 -

1. The highest conducted output indicated in the EMC report is 28.8 dBm. SAR report has indicated 30 dBm. Please verify discrepancies and confirm the maximum output of production units. What are the conducted outputs measured before and after the SAR tests?

Response:

The output power (dBm) measured before and after SAR measurements (conducted) is as follows:

<i>Type:</i>	<i>ch512</i>	<i>ch661</i>	<i>ch810</i>
S40	30.6	30.5	30.4
S42	30.6	30.5	30.4

The values are measured at the RF connector.

At production units the output power is max. 30 dBm at the RF connector

2. Users manual describes a headset PTT accessory. Please clarify if this particular accessory would allow users to operate this device in body-worn operating configurations with belt-clips, holsters or other similar accessories, either supplied with this device or available through third party suppliers. A device with a headset output is considered to have provisions for body-worn use. If it is supplied with belt-clips, holsters or similar accessories or available as options, such accessories should be tested with the device to demonstrate body-worn SAR compliance. If the device does not come with belt-clips or similar accessories and users may acquire third party accessories for body-worn use, the device should be tested with a separation distance of 1-2 cm between the back of the device and a muscle-equivalent phantom to demonstrate body-worn SAR compliance. Applicable operating instructions should be included in the users manual, at a conspicuous location towards the front, to indicate to users the applicable body-worn operating requirements for satisfy FCC RF exposure compliance - limited to the specific belt-clips tested or limited to belt-clips with no metallic component in the assembly and meeting the tested separation distance etc. It should also be indicated to users that other belt-clips, holsters or similar accessories that have not been tested or third party accessories that do not meet the stated requirements may not comply with FCC RF exposure requirements and should be avoided.

Response:

No accessory is foreseen for carrying the mobile. The following text is included in the user guide of the headset:

"When using the headset, care must be taken to ensure proper antenna performance. The mobile must be placed in a way, so that the antenna - placed in the upper back part of the mobile - points away from the body."

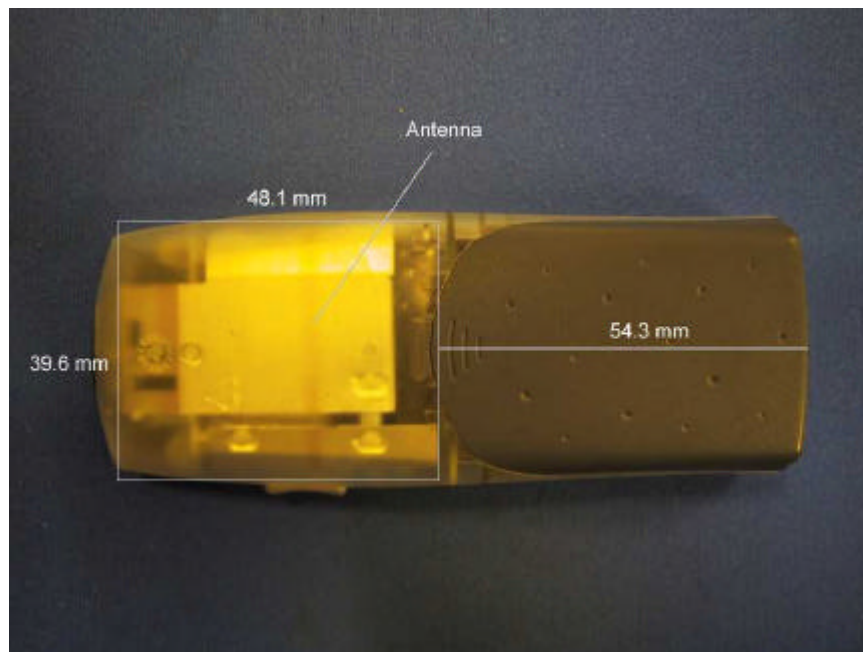
3. The SAR report describes this device has an integrated antenna, please indicate the type and dimensions of the antenna within the device, and identify its precise location within the device.

Response:

This device is equipped with an internal triple band patch antenna. Enclosed below is a picture of the antenna.

The dimensions are:

39.5 x 48.1 x 8 mm (W, L, H)



4. The SAR plots submitted for the filing did not identify the peak SAR locations with respect to the device; please clarify by using appropriate illustrations.

Response:

See Revised SAR report that was uploaded to the RF Exposure info folder.

5. FYI - the dielectric constant used in the SAR measurements are lower than normally desired. Significant deviations in dielectric constant could cause SAR distribution patterns to deviate from that desired, therefore, the 1-g averaged SAR would no longer be applicable. Since the measured SAR values are substantially lower than the applicable limit and non-compliance conditions are not expected, additional tests will not be requested for this filing. Please use correct dielectric parameters for future filings.

6. FYI - The 30-minute time averaging described in the SAR report is only applicable to fixed transmitters. Only source-based time averaging is allowed for mobile and portable transmitters, please review requirements in 2.1091 and 2.1093 of rules.

7. Please provide the dipole validation data to demonstrate the SAR system was within its specified performance range for performing the SAR tests.

Response:

See Revised SAR report that was uploaded to the RF Exposure info folder.

Note: Output is unknown mW EIRP

Proposed Grant Conditions - Output is EIRP. Device operates with an internal antenna. SAR compliance for body-worn operating configurations is not applicable or limited to the specific belt-clip tested for this filing, or must not contain metallic component in the assembly to provide xx cm separation. End-users must be provided with the appropriate information for satisfying RF exposure compliance. The highest reported SAR value is - Head: 0.33 W/kg.