

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Andy Leimer / Kwok Chan:

Please find attached our reply to your correspondence concerning LJPNPC-1NB (EA100744, correspondence reference number 19291).

Kind Regards,

Kare Oksanen
Engineering Manager, Type Approvals
Nokia Mobile Phones, PCC Oulu

1. There is a mistake in the test report. The power output ratings mentioned in the correspondence are referring to radiated power output, but the correct readings are 400 mW (26.0 dBm) ERP for AMPS and 917 mW (29.6 dBm) ERP for TDMA. Corresponding conducted power output ratings in the test reports are 25.78 dBm (AMPS) and 27.18 dBm (TDMA). We are sorry for the inconvenience.
2. The reason for this is that the test equipment the lab is using for radiated power measurement is not capable for measuring averaged TDMA bursts. Therefore we have to provide the peak reading for TDMA mode, which is around 2.5 dB higher compared to averaged reading. Conducted power is measured using duty cycle, which takes into account these characteristics of the modulation method. We verified this by using power meter also for measuring radiated power output at the same time and the difference between AMPS and TDMA mode was almost the same than in conducted measurements. However, these records cannot be used in official report.
3. We are aware of the problems caused by positioning the antenna too close of device holder, and we have done our best in positioning the device in such way that these effects are minimized. We use equipment shown in Figure 1 to provide a standard position for all our phones.

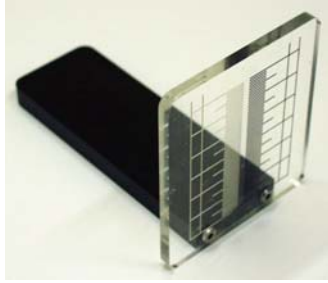


Figure 1. Positioning equipment

This equipment is placed into the device holder to ensure the correct positioning of the phone. After positioning is done, this equipment is removed. Positioning procedure is presented in the following figures.



Figure 2. Positioning of the phone



Figure 3a. Phone positioned into the holder



Figure 3b. Phone positioned into the holder

Internal antenna location is highlighted using yellow color in Figure 4. The distance between back cover and antenna is around 2mm.



Figure 4. Antenna position

4. In the carrying case there is a window on the same side where the strap is for screen and upper-most keypad. If positioned other way around, these are covered by the case.

If the carrying case is positioned window facing away from the body, it will be sticking out and does not fit very comfortable. Below on figure 5 the carrying case is positioned in such way than what it would approximately be when carrying in the belt window facing away from the body.

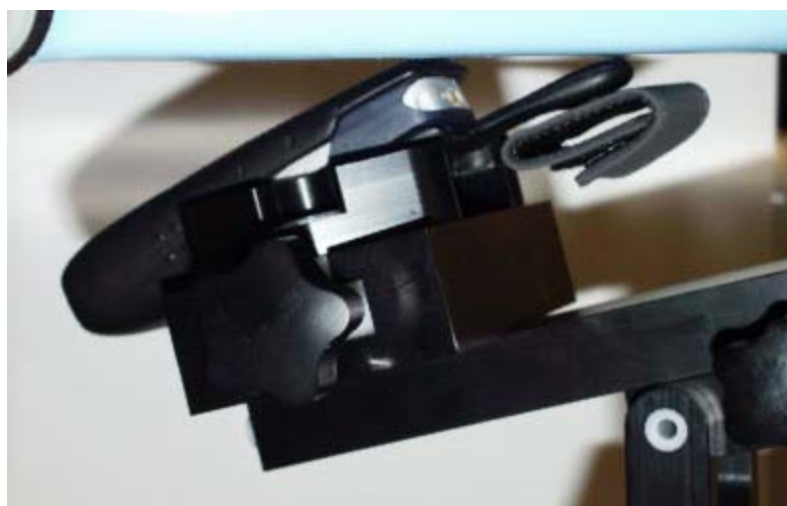


Figure 5. Carrying case positioned window facing away from the body