

It seems that in my previous message I used incorrectly the "uplink" and "downlink" terms..

Below is what the text should have read:

1. We sell our CBDA products as an "amplifier component" to our customers, which are providers like Nextel and others. Our CBDAs passed all the needed tests of radiated and conducted emissions . Our customers can put terminations (...if they wish) on the input/output ports or connect them to antennas. It is their responsibility to stand all the standards, rules etc. since they design the system, select the components (antennas, cables) and make the installation.
2. I talked with Frank Coperich and was asked to collect information about the typical antenna gain, cable loss and installation requirements.

This information is for both models, the PS8 and the PS9:

- 2a).The CBDA is used for indoor/in-building application. It is located in an isolated and remote place, out of public proximity.
- 2b). One antenna is connected via cable that has 3~10 dB attenuation (depends on the length of the cable) to the CBDA BASE port. This antenna is installed outdoor and has very sharp beam (Yagi type or similar) pointed to the donor (BTS). This type of antenna has about 10 dBi gain. Typical specifications: (model ASPD2996): gain: 8dBd (=10.1dBi), VSWR: better than 1.5:1 , Impedance: 50 ohm, F/B ratio: 18 dB, E-plane Beamwidth: 47deg., H-plane Beamwidth: 58 deg.
- 2c). The second antenna is connected via cable that has 2~6 dB attenuation (depends on the length of the cable) to the CBDA MOBILE port. This type of antenna is omnidirectional (isotropic) with 0 to 2 dBi gain and is installed and distributes indoor (in buildings, tunnels, basements, park lots, shopping centers etc.). This antenna is installed usually on the ceiling. Typical specifications: (Kathrein model No. 741 572): gain: 2dBi, VSWR: better than 2:1 ,Impedance: 50 ohm, Polarization: Vertical.

Based on this information, we believe that this device meets the categorical exclusion requirement of 2.1091.

From the information given above, we have determined that this equipment meets the Limits for General Population/Uncontrolled Exposure of 1.1310 at a minimum distance of 0.3m for the outdoor antenna and at a distance of 0.1m for the indoor antenna.

I trust that this information will enable you to complete the submission process.