BEmS base station communication equipment

What is a radio base station?

In the world of radio communications,a radio base station plays a vital role in ensuring reliable and seamless communication across a wide area. Whether used in mobile networks,professional communication systems,or emergency response scenarios,base stations are essential for facilitating voice,data,and video transmissions.

What are the BEM requirements for a terminal station?

The BEM for a terminal station consists of in-block power limits (specified in EC Decision (2008/477/EC)), out-of-block baseline requirements, and in some cases transitional requirements between them (Section 7). Throughout this document, BEM requirements for terminals are expressed in terms of EIRP.

How are TS BEMs built up?

Correspondingly,the TS BEMs over all frequencies in the 2.6 GHz band may be built up by combining the valuesin Table 15,Table 16Table 16,and Table 17 in such a way that the limit at each frequency is given by the higher (less stringent) value of a) the baseline requirements,and b) the boundary-specific requirements.

What is a BEM?

Note that a BEM consists of an in-block part as well as an out-of-block part. The terminal station in-block power level has already been defined in CEPT Report 19 , and a total radiated power (TRP) level of 31dBm/(5MHz) is specified in the EC decision 2008/477/EC .

How is a terminal station Bem baseline level calculated?

In the first study, the terminal station BEM baseline level is calculated subject to the requirement that a terminal station serviced in an urban macro-cell is desensitized by up to 3 dB with a probability of up to 5%, given that it is located in a hot-spot of interfering terminal stations.

What is ts Bem baseline level?

The above results indicate that,where the probability of collision between victim and interferer packets is not taken into account,and depending on the accepted protection criterion,TS BEM baseline levels of between -54 and -38 dBm/MHzare required to ensure that the impact of TS-TS interference is appropriately mitigated in the 2.6 GHz band.

Web: https://edukacja-aktywna.pl