

Test report N: 8912337336

Title: BreezeNETB 300

Model: BU/RB-B300-5X

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FCC ID: LKT-BNETB-58

5. Environmental evaluation and exposure limit according to FCC part 1, §1.1307, §1.1310

Limit for power density for general population/uncontrolled exposure is $1(\text{mW}/\text{cm}^2)$ or $10(\text{W}/\text{m}^2)$.

The power density calculation is $S = (P_t / 4\pi r^2)$.

Where:

P_t - The transmitted power (EIRP) (mW)

r - The distance from the unit. (cm)

The limit $1(\text{mW}/\text{cm}^2)$ can be calculated from the above based on the following data:

P_t - the transmitted power which is equal to the peak output power 23.7 dBm plus external antenna gain 28 dBi . The maximum peak EIRP = 51.7 dBm = 147910 mW

Maximum allowed distance “r”, where RF exposure limits may not be exceeded,

$r = \text{SQRT}(147910/4\pi)$ and is more than 108.6 cm from the antenna.

6. EUT test configuration

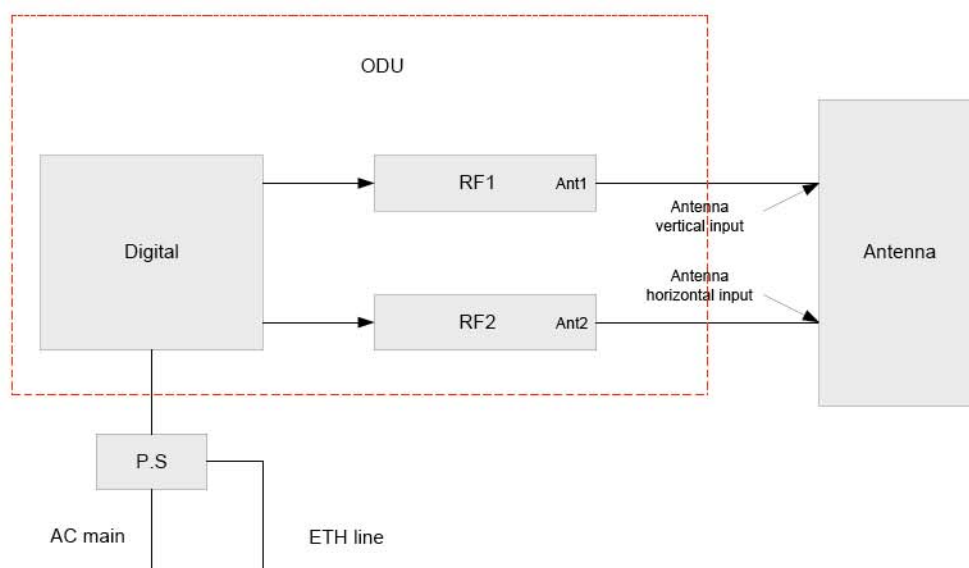


Fig. 1. EUT block diagram.