

Maximum Permissible Exposure Evaluation

GKD - Vehicle-Mounted Base Station
FCC ID: 2A2IY-P2100005

Per KDB 447498 D01 v06, simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on calculated or measured field strengths or power density, is ≤ 1.0 .

The combination of highest simultaneous transmissions on the device are:

2.4GHz: 2412-2462MHz (Wi-Fi) 317.94mW
916MHz: 9.2mW

$$\frac{317.94}{4 \times \pi \times 20^2} = 0.063 \text{ mW cm}^{-2}$$

$$\frac{9.2}{4 \times \pi \times 20^2} = 0.00183 \text{ mW cm}^{-2}$$

The sum of the MPE ratios for all simultaneous transmitting antennas:

$$0.063 + 0.00183 = 0.06483$$

As the sum of MPE ratios for all simultaneous transmitting antennas is ≤ 1.0 , simultaneous transmission MPE test exclusion will be applied.