

## MPE Evaluation

**Applicant:** Ark Vision Systems GmbH & Co. KG  
**FCC ID:** 2A7WJ-3050032  
**Model:** 3050032

### RF Exposure Evaluation

#### RF Exposure Compliance Requirement

#### Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310 Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure.

#### EUT RF Exposure

$$Pd = PG/4 \pi R^2$$

Pd = power density in mW/cm<sup>2</sup>

P = output power to antenna in mW

G = gain of antenna in linear scale

$\pi = 3.14$

R = distance between observation point and center of the radiator in cm

The Max Output Power is 12.571 dBm in Highest channel (2. 408GHz);

Antenna gain: 3 dBi, gain of antenna in linear scale: 2

R=20cm

$$Pd = PG/(4 \pi R^2) = 0.0072 \text{ mW/cm}^2 < 1(\text{limits}) \text{ mW/cm}^2$$