



## RF Exposure Evaluation

<b>FCC ID</b>	TFJA20GV
<b>Model No.</b>	Asante Garage Viewer
<b>RF Specification</b>	802.11 n-20/n-40 433.33 MHz

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

### Calculation Formula:

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

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



**Calculation Result:**

Mode	Frequency Band (MHz)	Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WIFI	2412~2462	24.94	311.9	4.99	20	0.1958	1
433	433.33	-0.46	0.0009	--	20	0.0019	0.2887

***Simultaneous Transmitting :***

$$0.1958 + (0.0019/0.2887) = 0.202 \text{ mW/cm}^2 \leq 1 \text{ mW/cm}^2.$$