

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	WIFI smart adaptor
Model Name	AW-01
FCC ID	2AMXX-AW-01

2. EVALUATION LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE):

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	--	--	F/1500	30
1500-100,000	--	--	1	30
F = Frequency in MHz				

3. MPE CALCULATION FORMULA

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	14.94	0	20	0.0062	1.0

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm(20cm)

4. CONCLUSION

The SAR evaluation is not required.