

RF Exposure

FCC ID: 2AXVWN01
FRN: 0030100283

1.0 INTRODUCTION

These calculations are based on the highest EIRP possible from the EUT, measured in the radiated mode. The EIRP from the EUT is 0.267 mW.

SAR Exclusion result is not needed for mobile devices. The product will not be hand held or body worn. It will be at least 20 cm from all personnel.

2.0 MPE CALCULATION FROM OET 65 & FCC 1.1310

MHz	Max Power dBm	Tune up Tolerance dB	Max Ant Gain dBi	Duty Cycle %	EIRP Watts	(S) GP Limit mW/cm ²	Declared Minimum separation Distance (cm)	EUT power Density mW/cm ²	Result
2480	-5.70	1.5	0	100	0.00038	1.000	20.0	0.000076	Pass

Notes on the above table:

The max power of 19 dBm between the two Wi-Fi modules of the 2.4 GHz was applied.

In accordance with OET 65, 97-01, Power Density is calculated by

$$S = P \cdot G / (4 \cdot \pi \cdot R^2)$$

Where

S = power density (mW/cm²)

P = power input to the antenna (mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (cm)

S is the power density General Population Limit from FCC 1.1310 Table 1

EIRP Power is the Peak Effective Radiated Power.

$$\text{EIRP} = (\text{Average Conducted Power} + \text{Antenna gain}) \cdot \text{Duty Cycle}.$$

Since the calculated power density is less than the limit, this product fully meets the OET 65 requirements for the general population.