

TUV Rheinland of North America, Inc.  
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 USA

To whom it may concern,

On behalf of our customer , we hereby declare the following device:

FCC ID	2AK2AICS1WLAN
IC	22375-ICS1WLAN
Brand	Brusa
HVIN, Model	ICS1-WLAN-ATWILC-MU-D
Description	WLAN card

The EUT is a WLAN module. The EUT is considered as 'Mobile' use.

The EUT has a maximum rated output power in WLAN mode 802.11g 54Mbps of 268.53 mW (equals 22.29 dBm + 2 dBi) in the frequency range of 2402 – 2480 MHz which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \text{ (power density without reflection)}$$

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} \text{ (power density with 100% reflection)}$$

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} = \frac{EIRP \text{ (mW)}}{\pi \cdot (20\text{cm})^2} = \frac{268.53}{\pi \cdot (20)^2} = 0.214 \text{ mW/cm}^2$$

(limit =10 W/m<sup>2</sup> is 1.0 mW/cm<sup>2</sup>)

This means that the equipment is in compliance with 47 C.F.R. §1.1310 and §2.1091.

Best regards,  
 TÜV Rheinland Nederland B.V.



R .van der Meer, Test Engineer