

ACB  
Certification Department  
6731 Whittier Avenue, Suite C110  
McLean, Virginia 22101  
USA

**Date**  
15-05-2017

To whom it may concern,

On behalf of our customer DS Tags Group B.V. , we hereby declare the following device:

FCC ID : 2AK3S-BAGTAG  
Brand : BAGTAG  
Model : BAGTAG  
Description : Digital Transmission System (DTS)

The EUT is considered as 'Mobile' use.

The EUT has a maximum rated output power e.i.r.p. in BLE mode of 0.0035 mW (equals about -25 dBm) 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 :

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

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

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} = \frac{EIRP \text{ (mW)}}{\pi \cdot (20\text{cm})^2} = \frac{0.0035}{\pi \cdot (20)^2} = 3.8 \text{ E-6 mW/cm}^2$$

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

This means that the equipment is in compliance with FCC KDB Publication 447498, 47 C.F.R. §1.1310 and §2.1091.

Best regards,  
TÜV Rheinland Nederland B.V.



R .van der Meer  
Test Engineer