To whom it may concern,

On behalf of our customer Nedap N.V. we hereby declare the following device:

FCC ID   : CGDLWBRDG
IC   : 1444A-LWBRDG
Manufacturer : Nedap N.V.
Brand   : Nedap
Model   : Luxon Bridge
HVIN   : 9986294

The EUT is considered as 'Mobile' use.
The EUT has a maximum rated output power e.i.r.p. of 9.98 mW (equals about 9.9 dBm) in the frequency range of 2408 – 2475 MHz which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

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

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

$$S = \frac{2^2 \cdot EIRP}{4 \cdot \pi \cdot R^2} = \frac{EIRP \ (mW)}{\pi \cdot (20cm)^2} = \frac{9.98}{\pi \cdot (20)^2} = 0.0079 \ mW/cm^2$$

(limit $=10 \ W/m^2$ is $1.0 \ mW/cm^2$)

This means that the equipment is in compliance with FCC KDB Publication 447498, 47 C.F.R. §1.1310 and §2.1091 and fulfils the requirements of RSS-102 Issue 5 Section 2.5.2. stating**: at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1.31 x 10-2 ƒ $^{0.6834}$ W (adjusted for tune-up tolerance), where ƒ is in MHz.**
For this EUT the this calculates to: 1.31 x 10-2 (2408 $^{0.6834}$) = 2.68 W.
The EUT's maximum rate output power (EIRP) of 9.98 mW is within this requirement.
Note: For conservativeness, the lowest frequency is used for calculation.

Best regards,
TÜV Rheinland Nederland B.V.

R .van der Meer
Test Engineer