## **TÜV Rheinland Nederland B.V.**



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

To whom it may concern,

On behalf of our customer Siemens Industry Software B.V., we hereby declare the following device:

| FCC ID      | : | 2AF88-1218RF                      |
|-------------|---|-----------------------------------|
| IC          | : | Not applicable                    |
| Brand       | : | Siemens                           |
| Model       | : | 1218RF                            |
| Description | : | Spread Spectrum Transmitter (DSS) |

The EUT has 3 outputs which never send simultaneously. The highest output power is from output J2.

The EUT is considered as 'Mobile' use.

Has a maximum conducted peak power of 12.82 dBm, equals 19.1 mW. With an antenna gain of +3 dBi this comes down to 38.2 mW in the frequency range of 2406 - 2474 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 =

 $4 \cdot \pi \cdot R^2$  (power density without reflection)

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

 $S = \frac{2^{2} \cdot EIRP}{4 \cdot \pi \cdot R^{2}} = \frac{EIRP (mW)}{\pi \cdot (20cm)^{2}} = \frac{38.2}{\pi \cdot (20)^{2}} = 0.030 \text{ mW/cm}^{2}$ 

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

This means that the equipment is in compliance with EC OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01).

Best regards, TÜV Rheinland Nederland B.V.

R .van der Meer Test Engineer December 01, 2015

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