

RF exposure statement

To whom it may concern:

ZACTA Technology Corporation
Address: 4149-7 Hachimanpara 5-chome
Yonezawa-shi, Yamagata 992-1128 Japan

is authorized as a test-lab from **Applicant: Trimble AB** for testing the device.

The maximum peak output power of the product **FCC ID: QKVNT0003** is 0.494 mW.

RF exposure calculation

$$S = \frac{PG}{4\pi R^2}$$

$$S = \frac{0.494 \times 1.58}{4\pi R^2} = \frac{0.7805 \text{ mW}}{4\pi \times (20\text{cm})^2} = \mathbf{0.000155 \text{ mW/cm}^2} \quad (\text{limit}=1.0\text{mW/cm}^2)$$

where: S = power density

P = power input to the antenna (0.494 mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator (1.58 = 2.0dBi)

R = distance to the center of radiation of the antenna (20 cm)

Therefore, the product **FCC ID: QKVNT0003** is deemed to comply with the requirements of FCC 47CFR 2.1091 'Radiofrequency radiation exposure evaluation: mobile devices'.

Regarding product **IC: 4399A-NT0003**

The IC RF Exposure Evaluation exemption limit is 5W (e.i.r.p) for devices operating above 1.5GHz and having a separation distance to the user greater than 20cm, according to RSS-102 (Issue 4), clause 2.5.2. The maximum conducted output power of the product is 0.494 mW.

The maximum antenna gain is 2.0dBi = 1.58.

Therefore the maximum e.i.r.p. output power of the product is $0.494\text{mW} \times 1.58 = 0.78\text{mW}$.

Conclusion: The product meets the IC RF Exposure Evaluation exemption