

## RF exposure statement

To whom it may concern:

**ZACTA Technology Corporation**  
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is authorized as an agency from **Applicant: Topcon Corporation** to act on their behalf in all matters relating to applications for equipment authorization, including testing the device and the signing of all documents relating to these matters.

The maximum peak output power of the product **FCC ID: H5P-WLAN528** is 52.481 mW.

### RF exposure calculation

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

$$S = \frac{52.481 \times 1.64}{4\pi R^2} = \frac{86.07 \text{mW}}{4\pi (20\text{cm})^2} = \mathbf{0.017123 \text{ mW/cm}^2} \quad (\text{limit}=1.0\text{mW/cm}^2)$$

where: S = power density

P = power input to the antenna (52.481mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator (1.64 mW = 2.15dBi)

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

Power input to the antenna (P) [mW]		Gain (G) [dBi]	Distance (R) [cm]	Power Density (S) $S=PG/(4\pi R^2)$ [mW/cm <sup>2</sup> ]	Limit [mW/cm <sup>2</sup> ]
IEEE802.11b	48.417	2.15 (1.64mW)	20	0.015796	1.0
IEEE802.11g	52.481			0.017123	

Therefore, the product **FCC ID: H5P-WLAN528** is deemed to comply with the requirements of FCC 47CFR 2.1093 ‘Radiofrequency radiation exposure evaluation: portable devices’.