



CTK Co., Ltd.
The Prime Leader of Global Regulatory Compliance

CTK Co., Ltd.

386-1, Ho-dong, Cheoin-gu, Yongin-si, Gyeonggi-do, 449-100, Korea
Tel: +82-31-339-9970 Fax: +82-31-339-9855
www.e-ctk.com

RF EXPOSURE EVALUATION

Applicant	: AscenKorea Inc.
Applicant Address	: Rm 710, Halla Sigma Valley, Gasandigital 2Ro 53, GeumCheon-Gu, Seoul, Korea
Kind of Product	: Precision GNSS Receiver
Equipment model name	:AKN
Antenna type	: WLAN - Chip antenna Gain 0 dBi : Bluetooth – PCB antenna Gain 2 dBi
Frequency Range	: 2400 – 2483.5 MHz
Peak Output Power	: WLAN – 18.27 dBm : Bluetooth – 5.51 dBm
Number of channels	: WLAN - 802.11b/g : 11 : Bluetooth - 79



CTK Co., Ltd.
The Prime Leader of Global Regulatory Compliance

CTK Co., Ltd.

386-1, Ho-dong, Cheoin-gu, Yongin-si, Gyeonggi-do, 449-100, Korea
Tel: +82-31-339-9970 Fax: +82-31-339-9855
www.e-ctk.com

** MPE Calculations **

No Evaluation Required if power is below this threshold. (60/f(GHz) mW)

Frequency (GHz)	mW
2.480	24.19

The MPE calculation for this exposure is shown below.

EIRP = P + G	Where, P = Conducted output power (dBm) G = Power gain of the antenna (dBi)
--------------	---

Mode	Output Power(dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP (mW)
GFSK	4.45	2.0	6.45	4.42
DQPSK	5.51		7.51	5.64

Conclusion: No SAR evaluation required since Transmitter EIRP is below FCC threshold.