



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** : Cresyn Co., Ltd.

**Applicant Address** : 8-22 Jamwon-dong, Seocho-gu, Seoul, Korea

**Kind of Product** : Bluetooth Stereo Headset

**Equipment model name** : PS20BT

**Antenna type** : Chip antenna Gain 2.7 dBi

**Frequency Range** : 2402 - 2480 MHz

**Number of channels** : 79 CH



CTK Co., Ltd.  
The Power 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))

Frequency (GHz)		mW
LoW	2.402	24.58
High	2.480	

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)
--------------	---

Measured Transmitter Output Power(Maximum : GFSK, CH 78)

Output Power(dBm)	Antenna gain (dBi)	EIRP (mW)
5.899	2.7	7.243

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