



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

## CTK Co., Ltd.

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Tel: +82-31-339-9970 Fax: +82-31-339-9855

www.e-ctk.com

# RF EXPOSURE EVALUATION

<b>Applicant</b>	<b>D&amp;M Holdings Inc.</b>
<b>Applicant Address</b>	<b>2-1 Nisshin-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa, Japan</b>
<b>Kind of Product</b>	<b>Wireless Headphones</b>
<b>Equipment model name</b>	<b>AH-NCW500</b>
<b>RF Conducted Power</b>	<b>GFSK : 6.938 dBm 8-DPSK : 5.962 dBm</b>
<b>Antenna type</b>	<b>Chip antenna</b>
<b>Frequency Range</b>	<b>2402 MHz - 2480 MHz</b>
<b>Antenna Gain</b>	<b>-1 dBi</b>



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## \*\* 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)
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Mode	Output Power(dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP (mW)
GFSK	6.938	-1	5.938	3.925
8-DPSK	5.969		4.969	3.140

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