



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: N9KSMARTWS210

Project No. : 1301C260
Equipment : Wireless GSM dialer (Smart Control)
Model : WS210
Applicant : Smart Technologies & Investment Ltd.
Address : Units C & D, 18/F Spectrum Tower, No. 53
Hung To Road, Kwun Tong, Kowloon, Hong
Kong

According: : **FCC Guidelines for Human Exposure IEEE
C95.1**

Neutron Engineering Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	skywave	WS210B	Integral	N/A	1.59

TEST RESULTS

EUT:	Wireless GSM dialer (Smart Control)	Model Name :	WS210
Temperature:	23 °C	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 6V
Test Mode :	TX CH 512/661/810		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.59	1.4421	24.97	314.0509	0.09014681	1.0	Complies
1.59	1.4421	24.14	259.4179	0.07446469	1.0	Complies
1.59	1.4421	24.02	252.3481	0.07243532	1.0	Complies

The calculate distance is 20cm.