



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.

***No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan,
China.***

TEL : (0769) 8318-3000 FAX : (0769) 8319-6000



MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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	1.38

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 128/190/251		

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) f[MHz]/1500 (mW/cm ²)	Test Result
1.38	1.3740	24.91	309.7419	0.08471306	0.549466667	Complies
1.38	1.3740	24.55	285.1018	0.07797410	0.557733333	Complies
1.38	1.3740	24.79	301.3006	0.08240439	0.565866667	Complies

The calculate distance is 20cm.