

# **FCC RF EXPOSURE REPORT**

**FCC ID: WA5WH2902**

**Project No. : 1612C276A**  
**Equipment : Weather Station**  
**Model : WH2902**  
**Applicant : Fine Offset Electronics Co., LTD**  
**Address : 2/F., Building no.3, Ping Shan Mingqi Industrial  
Park, Xili Town, Nanshan Distri. Shenzhen,  
Guangdong, China**

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

**B T L I N C .**

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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	Printed	N/A	2	N/A

## TEST RESULTS

EUT :	Weather Station	Model Name :	WH2902
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	13.65	23.1739	0.00731	1	Complies
2	1.5849	14.75	29.8538	0.00942	1	Complies
2	1.5849	13.64	23.1206	0.00729	1	Complies

EUT :	Weather Station	Model Name :	WH2902
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	21.92	155.5966	0.04909	1	Complies
2	1.5849	24.72	296.4831	0.09353	1	Complies
2	1.5849	24.58	287.0781	0.09056	1	Complies

EUT :	Weather Station	Model Name :	WH2902
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	21.40	138.0384	0.04355	1	Complies
2	1.5849	24.99	315.5005	0.09953	1	Complies
2	1.5849	23.50	223.8721	0.07062	1	Complies

Note: the calculated distance is 20 cm.