

FCC RF EXPOSURE REPORT

FCC ID: 2AQBD-R46

Project No. : 1806C085
Equipment : RAIN GAUGE
Model : R46
Applicant : Fujian Youtong Industries Co.,Ltd.
Address : Building 7, SCUD Industrial Park, No. 70,
Rujiang
East Road, Kuai'an,Mawei,Fuzhou,China

According: : FCC Guidelines for Human Exposure IEEE
C95.1 & KDB447498 D01

B T L I N C .

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Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Loop	N/A	0

GENERAL CONCLUSION:

Per FCC KDB 447498 D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for product specific 10-g SAR, where:

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Standalone SAR test exclusion

P_{max} (dBm)*	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR Exclusion threshold	SAR test exclusion
-33.8	0.0004	5	2.48	0	3	Yes

Conclusion: No SAR evaluation required since the calculation result is below FCC SAR exclusion threshold.