

FCC RF EXPOSURE REPORT

FCC ID: 2AIUQ-N1001R31

Project No. : 1605084
Equipment : Intercom
Model : N1001R31
Applicant : CloudTalk Inc.
Address : 325 Pembroke Road, Bala Cynwyd 19004 USA

**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	P/N	Antenna Type	Connector	Gain(dBi)
1	WIESON	GY136HC002 3-004	PIFA	N/A	3.04

TEST RESULTS

BT:

EUT :	Intercom	Model Name :	N1001R31
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _3Mbps		

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
3.04	2.0137	11.37	13.7088	0.00549478	1	Complies
3.04	2.0137	11.87	15.3815	0.00616525	1	Complies
3.04	2.0137	10.7	11.7490	0.00470924	1	Complies

LE:

EUT :	Intercom	Model Name :	N1001R31
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _1Mbps		

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
3.04	2.0137	8.01	6.3241	0.00253484	1	Complies
3.04	2.0137	8.46	7.0146	0.00281158	1	Complies
3.04	2.0137	7.86	6.1094	0.00244878	1	Complies

2.4G WIFI:

EUT :	Intercom	Model Name :	N1001R31
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G Mode_CH01/06/11		

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
3.04	2.0137	22.73	187.4995	0.07515370	1	Complies
3.04	2.0137	23.26	211.8361	0.08490834	1	Complies
3.04	2.0137	22.22	166.7247	0.06682675	1	Complies

Note: the calculated distance is 20 cm.