

FCC RF EXPOSURE REPORT

FCC ID: XFT-TELO103

Project No. : 2109C103
Equipment : TELO AIR
Brand Name : ooma
Test Model : TELOAIR105
Series Model : N/A
Applicant : ooma, Inc.
Address : 525 Almanor Ave., Suite 200, SUNNYVALE, California, United States
Manufacturer : ooma, Inc.
Address : 525 Almanor Ave., Suite 200, SUNNYVALE, California, United States
Factory : MiTAC Computer (Kunshan) Co., Ltd.
Address : No. 269, 2nd Avenue, District A, Comprehensive Free Trade Zone, Kunshan, Jiangsu, P.R.C
Date of Receipt : Sep. 10, 2021
Issued Date : Nov. 17, 2021
Report Version : R01
Test Sample : Engineering Sample
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Nick Chen

Prepared by : Nick Chen

Ethan Ma

Approved by : Ethan Ma



TESTING CERT #5123.02

Add: No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China
Tel: +86-769-8318-3000
Web: www.newbtl.com

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue	Nov. 10, 2021
R01	Modified the comments of MET.	Nov. 17, 2021

1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

2. 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

Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	LYNwave	ALA110-222050-300011	PIFA	i-pex(MHF)	3.5	2.4~2.4835GHz
			PIFA	i-pex(MHF)	5	5.15~5.85GHz
2	PSA	RFDPA171320E MLB301	Dipole	i-pex(MHF)	3.14	2.4~2.4835GHz
			Dipole	i-pex(MHF)	5	5.15~5.85GHz

Note:

- For 2.4GHz: This EUT supports CDD, Directional gain=3.5+10log(2) =6.51dB.
For 5GHz: This EUT supports CDD, Directional gain=5+10log(2) =8.01dB.
- The antenna gain is provided by the manufacturer.
- Thus, for the test results of all test items please refer to module test report.

3. TEST RESULTS

For DECT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.5	2.2387	20.30	107.1519	0.0478	1	Complies

For BT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.5	2.2387	12.84	19.2310	0.0086	1	Complies

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.5	2.2387	11.63	14.5546	0.0065	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
6.51	4.4771	24.15	260.0160	0.2317	1	Complies

For 5GHz UNII-1:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
8.01	6.3241	23.09	203.7042	0.2564	1	Complies

For 5GHz UNII-2A:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
8.01	6.3241	23.16	207.0141	0.2606	1	Complies

For 5GHz UNII-2C:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
8.01	6.3241	23.37	217.2701	0.2735	1	Complies

For 5GHz UNII-3:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
8.01	6.3241	24.89	308.3188	0.3881	1	Complies

For the max simultaneous transmission MPE:

Power Density (S) (mW/cm ²)	Power Density (S) (mW/cm ²)	Total	Limit of Power Density (S) (mW/cm ²)	Test Result
DECT	5GHz			
0.0478	0.3881	0.4359	1	Complies

Power Density (S) (mW/cm ²)	Power Density (S) (mW/cm ²)	Total	Limit of Power Density (S) (mW/cm ²)	Test Result
BT	5GHz			
0.0086	0.3881	0.3967	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report