

FCC RF EXPOSURE REPORT

FCC ID: 2ATYHQPWR347N

Project No. : 1907C027
Equipment : Wireless N300 Easy Setup Router
Model Name : QP-WR347N
Series Model : N/A
Applicant : QPCOM Inc.
Address : 6090 NW 99AVE Suite 404 Miami FI 33178

According : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091

B T L I N C .

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Certificate #5123.02

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jul. 29, 2019
R01	The name of applicant and manufacturer are updated which does not affected the test result.	Jul. 31, 2019
R02	Updated the antenna description.	Aug. 28, 2019

1. GENERAL SUMMARY

Equipment : Wireless N300 Easy Setup Router
 Brand Name : QPCOM
 Test Model : QP-WR347N
 Series Model : N/A
 Applicant : QPCOM Inc.
 Manufacturer : QPCOM Inc.
 Address : 6090 NW 99AVE Suite 404 Miami FI 33178
 Date of Test : Jul. 03, 2019~Jul. 15, 2019
 Test Sample : Engineering Sample No.: DG19070377
 Standards : 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.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1907C027) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s).

2. 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)
1	N/A	N/A	Dipole	N/A	5
2	N/A	N/A	Dipole	N/A	5

Note:

This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so

Directional gain = $G_{ANT} + 10\log(N)$ dBi, that is Directional gain = $5 + 10\log(2)$ dBi = 8.01;

So, the output power limit is $30 - (8.01 - 6) = 27.99$, the power spectral density limit is $8 - (8.01 + 6) = 5.99$.

3. TEST RESULTS

Directional 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	28.68	737.9042	0.92886	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance(tune up tolerance: 2.0 dBm).

End of Test Report