

FCC RF EXPOSURE REPORT

FCC ID: KA2COVR1100A1

Project No. : 1907H003
Equipment : AC1200 Dual Band Mesh Wi-Fi Router
AC1200 Dual Band Whole Home Mesh Wi-Fi Router
Model Name : AC1200 Dual Band Mesh Wi-Fi Router: COVR-1100
Series Model : AC1200 Dual Band Whole Home Mesh Wi-Fi Router:
COVR-1102, COVR-1103
Applicant : D-Link Corporation
Address : 17595Mt. Hermann, Fountain Valley, California,
United States 92708
According: : FCC Guidelines for Human Exposure IEEE C95.1 &
FCC Part 2.1091

B T L I N C .

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Certificate # 5123.03

1. GENERAL SUMMARY

Equipment : AC1200 Dual Band Mesh Wi-Fi Router
AC1200 Dual Band Whole Home Mesh Wi-Fi Router
Brand Name : D-Link
Test Model : AC1200 Dual Band Mesh Wi-Fi Router: COVR-1100
Series Model : AC1200 Dual Band Whole Home Mesh Wi-Fi Router:
COVR-1102, COVR-1103
Applicant : D-Link Corporation
Date of Test : Jul. 12, 2019~Aug. 26, 2019
Test Sample : Engineering Sample No.: SH19072983
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-3-1907H003) 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:

2.4G/5G:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	PCB	N/A	3	N/A
2	N/A	N/A	PCB	N/A	3	N/A

3. TEST RESULTS

For 2.4GHz Non-Beamforming:

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	1.9953	29.90	977.2372	0.38811	1	Complies

For 2.4GHz with Beamforming:

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	1.9953	29.67	926.8298	0.36809	1	Complies

For 5GHz UNII-1 Non-Beamforming:

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	1.9953	26.84	483.0588	0.19184	1	Complies

For 5GHz UNII-3 Non-Beamforming:

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	1.9953	26.11	408.3194	0.16216	1	Complies

For 5GHz UNII-1 with Beamforming:

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	1.9953	26.34	430.5266	0.17098	1	Complies

For 5GHz UNII-3 with Beamforming:

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	1.9953	25.61	363.9150	0.14453	1	Complies

Note: the calculated distance is 20 cm.

End of Test Report