

FCC RF EXPOSURE REPORT

FCC ID: KA2AP3711A1

Project No. : 2004H005
Equipment : 5km Long Range 802.11ac Wireless Bridge
Brand Name : D-Link Corporation
Test Model : DAP-3711
Series Model : N/A
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United State 92708
Manufacturer : D-Link Corporation
Address : No.289, SinHu 3rd Rd., Neihi District Taiper City 114, Taiwan, R.O.C
Date of Receipt : Apr. 17, 2020
Date of Test : May 04, 2020 ~ May 14, 2020
Issued Date : Jul. 21, 2020
Report Version : R01
Test Sample : Engineering Sample No.:
SH202004176/SH202004177/SH2020041715
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.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue	Jun. 15, 2020
R01	Update the power of Band 1 and information description of antenna.	Jul. 21, 2020

1. 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	PCB	N/A	15
2	N/A	N/A	PCB	N/A	15

Note:

- (1) Antenna Gain=15 dBi. Transmit signals of this EUT are uncorrelated with each other, so Directional gain = $G_{Ant.}$, that is Directional gain=15; So, the UNII-1, UNII-3 output power limit is $30-15+6=21$. The UNII-1 power spectral density limit is $17-15+6=8$, the UNII-3 power spectral density limit is $30-15+6=21$.

2. TEST RESULTS

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
15	31.62280	18	63.0957	0.39690	1	Complies

Note: The calculated distance is 20 cm.
Output power including tune up tolerance.

End of Test Report