FCC RF EXPOSURE REPORT

FCC ID: KA2CHS163A1

Project No.	:	2009H045
Equipment	:	DCH-S163 A1
Brand Name	:	D-Link
Test Model	:	DCH-S163 A1
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., Neihu Distrit Taipei Taiwan
Date of Receipt	:	Oct. 13, 2020
Date of Test	:	Oct. 13, 2020~Oct. 30, 2020
Issued Date	:	Dec. 14, 2020
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH20201010127, SH20201010128, SH20201010127-1
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091

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

Maker Qi

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 14, 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

For 915MHz:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	IFA	N/A	0.62

Note:
The antenna gain is provided by the manufacturer.

2. TEST RESULTS

For 915MHz:

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
0.62	1.1535	18	63.0957	0.0145	0.61	Complies

Note: The calculated distance is 20 cm.
Output power including tune up tolerance.
Limit of Power Density=f/1500.
f= frequency in MHz. * = Plane-wave equivalent power density.

End of Test Report