FCC RF EXPOSURE REPORT

FCC ID: ZW9TPC-B001-R

Project No.	**1810H004**
Equipment	**Point of Sale Terminal**
Test Model	**TPC-B001-R**
Series Model	**N/A**
Applicant	**BYD Precision Manufacture Co.,Ltd.**
Address	**No.3001, Bao He Road, Baolong industrial, Longgang Street ,Longgang Zone,Shenzhen State / Country: China**

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

BTL INC.

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Certificate #5123.02

1. CERTIFICATION

Equipment	:	Point of Sale Terminal
Brand Name	:	hp
Test Model	:	TPC-B001-R
Series Model	:	N/A
Applicant	:	BYD Precision Manufacture Co.,Ltd.
Address	:	No.3001, Bao He Road, Baolong industrial, Longgang Street ,Longgang Zone,ShenzhenState / Country: China
Manufacturer	:	HP Inc.
Address	:	1501 Page Mill Road, Palo Alto, CA 94304, USA
Factory	:	BYD Precision Manufacture Co.,Ltd.
Address	:	No.3001, Bao He Road, Baolong industrial, Longgang Street ,Longgang Zone,Shenzhen
Date of Test	:	Oct. 25, 2018 ~ Nov. 26, 2018
Test Sample	:	Engineering Sample No.: B181000147
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-6-1805H003A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO-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:

For 2.4G

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	PULSE	SZ1090W	FPC	N/A	2.88

For 5G

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	PULSE	SZ1090W	FPC	N/A	5.47

For BT

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	PULSE	SZ1090W	FPC	N/A	2.88

For BT_LE

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	PULSE	SZ1090W	FPC	N/A	2.88

3. TEST RESULTS

2.4G WIFI

Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	AVG Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
2.88	1.9409	24.55	285.1018	0.11014	1	Complies

5G WIFI

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
5.47	3.5237	15.06	32.0627	0.02249	1	Complies

BT

Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	AVG Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
2.88	1.9409	24.55	285.1018	0.11014	1	Complies

BT_LE

Antenna Gain (dBi)	Antenna Gain (numeric)	Max Output Power (dBm)	AVG Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
2.88	1.9409	24.55	285.1018	0.11014	1	Complies

For the max simultaneous transmission MPE:

Power Density (S) (mW/cm^2)	Power Density (S) (mW/cm^2)	Total (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2.4G	5G			
0.11014	0.02249	0.33504	1	Complies

Note: the calculated distance is 20 cm.