FCC RF Exposure Report

FCC ID: 2AY6XSF-0204

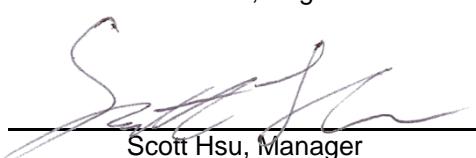|		
Report No.	:	BTL-FCCP-2-2012T108
Equipment	:	EGLTEC 4-Port UHF RFID Reader-Fixed
Model Name	:	SF-0204
Brand Name	:	EGLTEC
Applicant	:	EGLTEC Intelligent Technology Co., Ltd.
Address	:	No. 110, Ziyou Rd., Shanhua Dist, Tainan City, Taiwan (R.O.C.)
FCC Rule Part(s)	:	FCC CFR Title 47, Part 2 (2.1091)
		FCC Guidelines for Human Exposure IEEE C95.1
Date of Receipt	:	2020/12/17
Date of Test	:	2020/12/17 ~ 2021/3/29
Issued Date	:	2021/4/19

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

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Approved by : _Scott Hsu_
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REVISON HISTORY

Report No.	Version	Description	Issued Date
BTL-FCCP-2-2012T108	R00	Original Report.	2021/4/19

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	Type	Connector	Gain (dBi)
0	Guangqi Technology Co., Ltd.	A1050C	PCB	SMA	3
1	Guangqi Technology Co., Ltd.	A1050C	PCB	SMA	3
2	Guangqi Technology Co., Ltd.	A1050C	PCB	SMA	3
3	Guangqi Technology Co., Ltd.	A1050C	PCB	SMA	3

Note: The antenna is the support unit for the test, which is not attached with the goods.

2. MAXIMUM RF OUTPUT POWER

Mode	Maximum Output Power (dBm)
TX _ Ant 0	23.74
TX _ Ant 1	23.54
TX _ Ant 2	23.65
TX _ Ant 3	23.64

3. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Test Result
3.00	1.9953	23.74	236.5920	0.09396159	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report