

Maximum Permissible Exposure Report

FCC ID: GDDMXU-270R

Report No. : BTL-FCCP-2-2207T124
Equipment : CHERRY KW X ULP Dongle
Model Name : MXU-270R
Brand Name : CHERRY
Applicant : Cherry Europe GmbH
Address : Cherryst. Auerbach_OPf. Germany 91275

FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1

Date of Receipt : 2022/8/2
Date of Test : 2022/8/2 ~ 2022/8/12
Issued Date : 2022/9/14

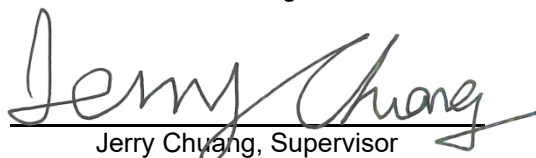
The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by :



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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2207T124	R00	Original Report.	2022/9/14	Valid

MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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	Antenna Type	Connector	Gain (dBi)
1		CW801S	Chip	N/A	-0.5

Maximum RF OUTPUT POWER

Mode	Maximum Output Power (dBm)
SRD	-11.93

CALCULATED 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
-0.50	0.8913	-11.93	0.0641	0.00001	1	Complies

Note:

1. The calculated distance is 20 cm.

End of Test Report