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	:	Cherrystr. Auerbach_OPf. Germany 91275
FCC Rule Part(s)	:	47 CFR § 2.1093 KDB 447498 D01 General RF Exposure Guidance v06 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	:	2023/3/24

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

Prepared by : Eric Lee, Engineer

Approved by : Jerry Chuang, Supervisor

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2207T124	R00	Original Report.	2022/9/14	Invalid
BTL-FCCP-2-2207T124	R01	Revised report to address TAF Audit's comments	2023/3/24	Valid

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

Evaluation Facility:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

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Table for Filed Antenna

Ant.	Brand	Model	Antenna Type	Connector	Gain (dBi)
1	Unictron Technologies Corp.	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