# FCC SAR Exclusion Report

## FCC ID: GDDMXU-270

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|---|---|---|
| **Report No.** | : | BTL-FCCP-4-2207T123 |
| **Equipment** | : | CHERRY KW X ULP Keyboard |
| **Model Name** | : | MXU-270 |
| **Brand Name** | : | CHERRY |
| **Applicant** | : | Cherry Europe GmbH |
| **Address** | : | Cherrystr. Auerbach_OPf. Germany 91275 |
| **FCC Rule Part(s)** | : | FCC Part 2, Subpart J (§2.1093)<br>KDB 447498 D01 General RF Exposure Guidance v063<br>FCC Guidelines for Human Exposure IEEE C95.1 |
| **Date of Receipt** | : | 2022/8/2 |
| **Date of Test** | : | 2022/8/2 ~ 2022/8/26 |
| **Issued Date** | : | 2022/9/27 |

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

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## REVISION HISTORY

| Report No. | Version | Description | Issued Date | Note |
|---|---|---|---|---|
| BTL-FCCP-4-2207T123 | R00 | Original Report. | 2022/9/27 | Valid |

According to KDB 447498 section 4.3.1 a), the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

{ [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] *·[√f(GHz)] ≤ 3.0

BLE:
The maximum tune up power is -0.5 dBm +/- 0.5 dB,

SRD:
The maximum tune up power is 0 dBm +/- 0.5 dB,

therefore the highest tune-up powers is

0.5 dBm (1.12 mW) @ 2403 MHz

When the minimum test separation distance is < 50 mm, a distance of 5 mm according to e) in section 4.1 is applied to determine SAR test exclusion.

So,

( 1.12mW / 5mm ) * ( 2.403GHz ^0.5 )= 0.3

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * [√f(GHz)] = 0.3 < 3.0

Therefore, standalone SAR measurements are not required for both head and body.

**End of Test Report**