

FCC ID: GDDMXU-270 RF Exposure (DTS, DXX) test report modification cross comparison chart

FCC ID	GDDMXU-270		
Equipment Class	RF Exposure (DTS, DXX)		
Radio Function	BLE, Short Range Devices		
Report No.	BTL-FCCP-4-2207T123		
Modified Page Number	1, 2 and 3; Total 3 page.		
Modified	Original	Note	
 Report No.: BTL-FCCP-4-2207T123 <h3>FCC SAR Exclusion Report</h3> <p>FCC ID: GDDMXU-270</p> <p>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</p> <p>FCC Rule Part(s) : 47 CFR § 2.1093 KDB 447498 D01 General RF Exposure Guidance v06 FCC Guidelines for Human Exposure IEEE C95.1</p> <p>Date of Receipt : 2022/8/2 Date of Test : 2022/8/2 ~ 2022/8/26 Issued Date : 2023/3/24</p> <p>The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.</p> <p>Prepared by : <u>Eric Lee</u> Eric Lee, Engineer</p> <p>Approved by : <u>Jerry Chang</u> Jerry Chang, Supervisor</p> <p>BTL Inc. No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com</p> <p>Project No.: 2207T123 Page 1 of 3 Report Version: R01</p>	 Report No.: BTL-FCCP-4-2207T123 <h3>FCC SAR Exclusion Report</h3> <p>FCC ID: GDDMXU-270</p> <p>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</p> <p>FCC Rule Part(s) : FCC Part 2, Subpart J (§2.1093) KDB 447498 D01 General RF Exposure Guidance v063 FCC Guidelines for Human Exposure IEEE C95.1</p> <p>Date of Receipt : 2022/8/2 Date of Test : 2022/8/2 ~ 2022/8/26 Issued Date : 2022/9/27</p> <p>The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.</p> <p>Prepared by : <u>Eric Lee</u> Eric Lee, Engineer</p> <p>Approved by : <u>Jerry Chang</u> Jerry Chang, Supervisor</p> <p>BTL Inc. No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com</p> <p>Project No.: 2207T123 Page 1 of 3 Report Version: R00</p>	<p>On page 1,</p> <ol style="list-style-type: none"> the FCC Rule Part description is modified; the Issued Date is updated, and the Report Version is updated to R01 on every page due to this modification. 	

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 <p>Report No.: BTL-FCCP-4-2207T123</p> <p>Evaluation Facility: No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (FCC ID: TW0659) SAR01</p> <p>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: $\{[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0$</p> <p>BLE: The maximum tune up power is -0.5 dBm +/- 0.5 dB.</p> <p>SRD: The maximum tune up power is 0 dBm +/- 0.5 dB, therefore the highest tune-up powers is $0.5 \text{ dBm} \quad (1.12 \text{ mW}) \quad @ 2403 \text{ MHz}$</p> <p>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, $[(1.12 \text{ mW} / 5 \text{ mm}) * (2.403 \text{ GHz}^{0.5})] = 0.3$</p> <p>$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 0.3 < 3.0$</p> <p>Therefore, standalone SAR measurements are not required for both head and body.</p> <p>End of Test Report</p>	 <p>Report No.: BTL-FCCP-4-2207T123</p> <p>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: $\{[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0$</p> <p>BLE: The maximum tune up power is -0.5 dBm +/- 0.5 dB, therefore the highest tune-up powers is $0.5 \text{ dBm} \quad (1.12 \text{ mW}) \quad @ 2403 \text{ MHz}$</p> <p>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, $(1.12 \text{ mW} / 5 \text{ mm}) * (2.403 \text{ GHz}^{0.5}) = 0.3$</p> <p>$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 0.3 < 3.0$</p> <p>Therefore, standalone SAR measurements are not required for both head and body.</p> <p>End of Test Report</p>	<p>On page 3, the calculation facility address is added.</p>
Project No.: 2207T123	Page 3 of 3	Report Version: R01
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