

FCC SAR Exclusion Report

FCC ID: 2AH97-EVG2

Report No. : BTL-FCCP-2-2203T133
Equipment : Smartglasses
Model Name : RAPTOR S
Marketing Name : CONNECTED RIDE, Maverick
Applicant : Everysight Ltd.
Address : 9 Andrei Sakharov St., Matam building 3 Advanced technology center,
Haifa 3508409 ,Israel

FCC Rule Part(s) : FCC Part 2, Subpart J (§2.1093)
KDB 447498 D01 General RF Exposure Guidance v06

Date of Receipt : 2022/3/29
Date of Test : 2022/3/29 ~ 2022/6/14
Issued Date : 2022/7/1

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-2-2203T133	R00	Original Report.	2022/7/1	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:

$$\{ [(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

The maximum tune up power is 2.7 dBm +/- 1 dB, therefore the highest tune-up powers is

$$3.7 \text{ dBm} \quad (2.34 \text{ mW}) \quad @ 2402 \text{ MHz}$$

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,

$$(2.34\text{mW} / 5\text{mm}) * (2.402\text{GHz} ^{0.5}) = 0.7$$

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 0.7 < 3.0$$

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

End of Test Report