



RF EXPOSURE EVALUATION

FCC CFR 47 Part 1.1307

Report No.: CATA18-U59B Rev A RF Exposure Evaluation

Company: Catapult Sports Pty Ltd

Model: RE-V8-SR-V1

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SAR Exclusion Evaluation

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To: FCC CFR 47 Part 1.1307

Report Serial No.: CATA18-U59B Rev A RF Exposure Evaluation

This report supersedes: NONE

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Catapult Sports RE-V8-SR-V1

1) UWB low power transmitter operating at 6489.6 MHz in the 3100 – 10600MHz Band.

Transmitter power level used is as reported MiCOM Labs test report CATA18-59 Rev A, FCC Pt 15.517.

The device under test is a portable device.

For the purpose of this section, the definition in **1.1307(b) (2)** of this chapter shall apply. A portable device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that the RF source's radiating structure(s) is/are within 20cm of the body of the user.

Part 1.1307(b) (3) Determination of Exemption

(i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

The EUT radiated EIRP was measured at a distance of 1 meter.

The exemption limit of 1 mW EIRP is 104.77 dBuV/m measured at distance of 1m.

The maximum field strength measured for the UWB device (operating on 99 % duty cycle) at 1 meter is 62.36 dBuV/m.

Conclusion

From above calculations we can see that even without considering the time-averaged power in normal operation (taking into account the transmitter Duty Cycle) the Catapult Sports RE-V8-SR-V1 complies with the 1 mW exemption limits of FCC Part 1.1307(b) (3).



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