



CMA Testing and Certification Laboratories

廠商會檢定中心

RF EXPOSURE EVALUATION

Report No. : AY0051565(0) Date: Sep 16, 2019

Application No. : LY021855(0)

Applicant : Bell Sports Inc.
5550 SCOTTS VALLEY DRIVE,
SCOTTS VALLEY, CA 95066

Sample Description : One(1) item of submitted sample stated to be

Product Description : Turn signal light
Sample registration No. : RY047193-001
Radio Frequency : 2403 – 2478MHz
Supply voltage : DC3.7V rechargeable battery
No. of submitted sample : 1

FCC ID : FCC ID: QH67115952L

Date Received : 09 Jul, 2019


Evaluation Period : 09 Jul, 2019 to 02 Aug, 2019

Evaluation Method : 447498 D01 General RF Exposure Guidance v06 - RF Exposure Procedure and
Equipment Authorization Policies for Mobile and Portable Devices

Conclusion : The transmission was satisfied RF exposure requirements.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____


Mr. WONG Lap-pong, Andrew
Manager

Page 1 of 2

Document name: FCC RF exposure - Document Ref No: RT-EL-EMC-008 - Issue Date: 01 Dec 2017 - Edition: 1

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Simultaneous power

No simultaneous transmission.

RF Exposure Evaluation

According to KDB 447498 D01 clause 7, power density at 20cm is calculated according to the maximum e.i.r.p. and compare with MPE limit for general population/uncontrolled in OET Bulletin 65

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

Calculation

- | | |
|--|------------------------------|
| - Frequency range | : 2403 – 2478MHz |
| - Max. e.i.r.p., including tune-up tolerance | : 0.05mW |
| - Minimum separation distances | : 20cm |
| - Power density at 20cm | : 0.000001mW/cm ² |

$$PD = \frac{P}{4 * \pi * d^2}$$

PD: Power Density in mW/cm²

P: Radiated Power in mW

d: distance in cm

Requirements: $\leq 1.0\text{mW/cm}^2$ for general population/uncontrolled exposure between 1500 – 100,000MHz

Conclusion

The calculated power density at 20cm is 0.000001mW/cm² which is less than the MPE limit, 1.0mW/cm² for general population/uncontrolled exposure with frequency range from 1500 – 100,000MHz. It comply the RF exposure requirement under KDB 447498 clause 7.

***** End of Evaluation *****