



Canada

Exhibit: RF Exposure – FCC

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Client	Comfable Inc	 Canada
Product	QSun UV Tracker	
Standard(s)	FCC Part 15 Subpart 15.247:2016 FCC KDB 447498:2015	

RF Exposure – FCC

The device is intended for use on shoulders and on hats. The minimum separation distance from the radiating structure to any part of the body of a user is 6 mm as stated by the manufacturer during normal operation.

The EUT contains a 2400 – 2483.5 MHz DTS transmitter.

General SAR test exclusion guidance:

As per FCC KDB 447498 Section 4.3.1 a), the 1-g SAR Test Exclusion Threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm is determined by:

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

Where:

$f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

SAR Calculations: 2402 – 2480 MHz DTS transmitter

Peak conducted power was measured to be 0.36 mW. At a separation distance of 6mm, this results to:

$$[0.36 \text{ mW} / 6 \text{ mm}] * [\sqrt{2.480 \text{ GHz}}] = 0.1 \leq 30$$

SAR Exclusion Threshold condition is met with peak conducted power.