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Maximum RF Exposure Evaluation

FCC ID: 2AWAE-G13

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

EUT Specification

Product Name:	Electric Hoverboard
Trade Mark:	/
Model/Type reference:	G13
Listed Model(s):	G11, G2, G5, T580, T581, F1, G-F1, Y1, Y1S, Y1pro
Frequency band (Operating)	<input type="checkbox"/> BT/EDR: 2.402GHz ~ 2.480GHz <input checked="" type="checkbox"/> BLE: 2.402GHz ~ 2.480GHz <input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> Others: _____
Device category	<input checked="" type="checkbox"/> Portable (<5mm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Fixed (>20cm separation) <input type="checkbox"/> Others _____
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Antenna gain (Max)	0.0766dBi
Evaluation applied	<input checked="" type="checkbox"/> RF Exposure Evaluation <input type="checkbox"/> SAR Evaluation

Limit

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

Where

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

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f is applied to determine SAR test exclusion.

Measurement Result

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Limit
BLE	2402	0.0766	0.48	0±1	1	0.393	3.000

Note

For a more detailed features description, please refer to the RF Test Report.

*****THE END*****