



Radio Frequency Exposure

EUT INFORMATION

FCC ID	2AUDGJAR9010801M25H
EUT	Riding motorcycle protective helmet(with video and Bluetooth features)
Frequency band (Operating)	2402 MHz ~ 2480 GHz
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity
Max. output power	-14.03 dBm
Antenna gain (Max)	4.96 dBi

TEST RESULT

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

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

The max. power of channel, including tune-up tolerance(mW) is 0.124 mW @ 2.402 MHz (With Tune-up tolerance),

The min. test separation distance (mm) is 5 mm,

So, $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 0.0384 < 3.0$ (With Tune-up tolerance).

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

Tested By:

Reviewed by:

Jul. 01, 2020
(Date)


Bing / Project Engineer

Jul. 01, 2020
(Date)


Bell / Manager
FCC Designation Number: TW2954