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RF Exposure Evaluation

FCC ID: 2BCK8-HQ5

The calculations were performed according to following standard:
According to KDB 447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a).

EUT Specification

Product Name:	Handheld camcorder
Trade Mark:	/
Model/Type reference:	HQ5
Listed Model(s):	HQ6, HQ7
Model Different:	All these models are identical in the same PCB, layout and electrical circuit, The difference is appearance color.
Operating Frequency band:	WLAN: 2412MHz~2462MHz
Device category:	☒ Portable (<5mm separation) ☐ Mobile (>20cm separation) ☐ Fixed (>20cm separation) ☐ Others ____
Antenna diversity:	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Antenna gain:	5.3dBi
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

Limit

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR}$$

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 result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

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

Mode	Frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Result	Limit	Verdict
802.11b	2437	4.26	4±0.5	4.5	2.966	3.0	Pass

Note:

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

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