



# Shenzhen Huaxin Information Technology Service Co., Ltd

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## RF Exposure Evaluation

FCC ID: 2BV4D-VOCCI2601

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:             | Vocci Ring 1                                                                                                                                                                                                                   |                |          |             |
| Trade Mark:               | VOCCI                                                                                                                                                                                                                          |                |          |             |
| Model/Type reference:     | VR1                                                                                                                                                                                                                            |                |          |             |
| Mame                      | Model                                                                                                                                                                                                                          | Ring Circle    | Capacity | Color       |
| Vocci Ring 1              | VR1                                                                                                                                                                                                                            | 6#/7#/8#       | 17.5mAh  | 1. Lumon    |
| Vocci Ring 1              | VR1                                                                                                                                                                                                                            | 9#/10#/11#     | 21mAh    | 2. Lux      |
| Vocci Ring 1              | VR1                                                                                                                                                                                                                            | 12#/13#14#/15# | 24mAh    | 3. Eclipse  |
|                           |                                                                                                                                                                                                                                |                |          | 4. Midnight |
|                           |                                                                                                                                                                                                                                |                |          | 5. Dawn     |
| Power supply:             | 3.7Vdc from Li-ion Battery                                                                                                                                                                                                     |                |          |             |
| Operating Frequency band: | 2402MHz~2480MHz                                                                                                                                                                                                                |                |          |             |
| Device category:          | <input checked="" type="checkbox"/> Portable (<5mm separation)<br><input type="checkbox"/> Mobile (>20cm separation)<br><input type="checkbox"/> Fixed (>20cm separation)<br><input type="checkbox"/> Others ____              |                |          |             |
| Exposure classification:  | <input type="checkbox"/> Occupational/Controlled exposure (S=5mW/cm2)<br><input checked="" type="checkbox"/> General Population/Uncontrolled exposure (S=1mW/cm2)                                                              |                |          |             |
| Antenna diversity:        | <input checked="" type="checkbox"/> Single antenna<br><input type="checkbox"/> Multiple antennas<br><input type="checkbox"/> Tx diversity<br><input type="checkbox"/> Rx diversity<br><input type="checkbox"/> Tx/Rx diversity |                |          |             |
| Antenna gain:             | 6#: -11.51dBi                                                                                                                                                                                                                  |                |          |             |
|                           | 7#: -7.8dBi                                                                                                                                                                                                                    |                |          |             |
|                           | 8#: -9.04dBi                                                                                                                                                                                                                   |                |          |             |
|                           | 9#: -6.55dBi                                                                                                                                                                                                                   |                |          |             |
|                           | 10#: -9.17dBi                                                                                                                                                                                                                  |                |          |             |
|                           | 11#: -12.88dBi                                                                                                                                                                                                                 |                |          |             |
|                           | 12#: -7.3dBi                                                                                                                                                                                                                   |                |          |             |
|                           | 13#: -7.84dBi                                                                                                                                                                                                                  |                |          |             |
|                           | 14#: -6.88dBi                                                                                                                                                                                                                  |                |          |             |
|                           | 15#: -9.02dBi                                                                                                                                                                                                                  |                |          |             |

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|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| Evaluation applied: | <input checked="" type="checkbox"/> MPE Evaluation<br><input type="checkbox"/> SAR Evaluation |
|---------------------|-----------------------------------------------------------------------------------------------|

**Limit**

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

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$  for 1-g SAR, and  $\leq 7.5$  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  $\leq 50$  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) | Max. Tune up Power (dBm) | Result  | Limit | Verdict |
|------|-----------------|---------------------------|--------------------------|---------|-------|---------|
| GFSK | 2480            | -2.03                     | -1                       | 0.25018 | 3.0   | Pass    |

Note:

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

\*\*\*\*\*THE END\*\*\*\*\*