



# CTC Laboratories, Inc.

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## RF Exposure Evaluation

FCC ID: 2AYGT-JFB

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

### EUT Specification

Product Name:	Enhanced Night Vision Binocular Goggles
Trade Mark:	/
Model/Type reference:	J-FB
Listed Model(s):	J-FB-abc-de-fg (a, d, f, g= A~Z; e=0~9; b, c= A~Z, 0~9)
Model Different:	All these models are identical in the same PCB, layout and electrical circuit, The only difference is the imaging color of the imaging tube is different.
Frequency band (Operating)	<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 (<5cm 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)	2.02dBi

### 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  $\leq 50$  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.

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Measurement Result

Type	Channel Frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Threshold Value
GFSK	2402	2.89	3±1	4	1.240	3.0
	2440	2.76	3±1	4	1.249	3.0
	2480	2.58	3±1	4	1.260	3.0

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

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