RF Exposure Evaluation

FCC ID: 2BQ4R-A1

According to KDB 447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a).

EUT Specification

Product Name:	Smart Glasses
Trade Mark:	/
Model/Type Reference:	Smart Glasses A1
Listed Model(s):	/
Model Differences:	/
Frequency Band (Operating)	BT: 2402MHz ~ 2480MHz
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 (Max)	5.05dBi

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:

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

Where:

-$f_{(GHz)}$ 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)	Maximum Power (dBm)	Tune Up Tolerance (dB)	Max. Tune Up Power (dBm)	Result	Limit	Verdict
GFSK (BLE 1M)	2402	7.35	±1	8.5	2.19	3.0	Pass
GFSK (EDR)	2480	6.96	±1	8.0	1.99	3.0	Pass

Note:
1. Calculate in the worst-case mode.
2. Max. Tune Up Power is declared by manufacturer, and used to calculate.
3. For a more detailed features description, please refer to the RF Test Report.

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