



RF EXPOSURE EVALUATION

FCC ID: 2BKNE-G6000

Product Name	:	Wireless headset
Model Number	:	G6000 YELLOW
Serial model	:	G6000 BLUE,G6000 TRICOLOR
Difference description	:	Just the appearance of the different color
Bluetooth Version	:	BT BDR+EDR+BLE
Operating frequency	:	2402-2480MHz
Numbers of Channel	:	79 channels for BDR+EDR 40 channels for BLE
Antenna Type	:	PCB antenna
Antenna Gain	:	-0.58 dBi
Type of Modulation	:	GFSK, $\pi/4$ -DQPSK,8DPSK For DSS GFSK for BLE
Power supply	:	Input: DC 5V 1A Li-ion Battery : 240603 Rated Voltage: 3.7V Rated Capacity:1000mAh
Hardware Version	:	BBH881-JSX-G6000-2.4G-LVer1.2
Software Version	:	K68_BBH881-JSX-G6000_AC7018M8_8M_HW0.00_SW0.0.0_(G6000)_7D 31-32C298FD_20240712_ear



Standard Requirement

According to § 15.247(i) and § 1.1307b(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission’s guidelines. See KDB 447498 D01 General RF Exposure Guidance v06, section 4. 3. 1.

The 1-g and 10-g SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances ≤ 50mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]* [√ f(GHz)] ≤3.0 for 1-g SAR and ≤7.5 for 10-g SAR 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 test exclusions are applicable only when the minimum test separation distance is ≤ 50mm and for transmission frequencies between 100MHz and 6GHz. When the minimum test separation distance is <5mm, a distance of 5mm is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to quality for TCB approval.

Table with 8 columns: Channel (MHz), Maximum output power (dBm), Tune up tolerance (dBm), Max Tune Up Power (mW), Distance (mm), Calculation results, Limit, Operating Mode. It contains two rows of data for 2480 MHz.

According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required.

Signature

Simon Pu

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Manager

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