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# **Maximum RF Exposure Evaluation**

**FCC ID: 2A93Y-C8** 

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

#### **EUT Specification**

Product Name:	Ear mounted Bluetooth headset		
Trade Mark:	1		
Model/Type reference:	C8		
Listed Model(s):	C8S/C8F/C18/C18S/C21/C22/C23/C25/C26/C28/W20/W20B		
Frequency band (Operating)	☐ BT/EDR: 2.402GHz ~ 2.480GHz ☐ BLE: 2.402GHz ~ 2.480GHz ☐ WLAN: 2.412GHz ~ 2.462GHz ☐ Others:		
Device category	<ul> <li>☑ Portable (&lt;5mm separation)</li> <li>☐ Mobile (&gt;20cm separation)</li> <li>☐ Fixed (&gt;20cm separation)</li> <li>☐ Others</li> </ul>		
Antenna diversity	Single antenna     Multiple antennas     Tx diversity     Rx diversity     Tx/Rx diversity		
Antenna gain (Max)	1.24dBi		
Evaluation applied	□ RF Exposure Evaluation     □ SAR Evaluation		

#### Limit

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $\cdot [\sqrt{f_{(GHz)}}] \le$ 3.0

#### Where

- -f<sub>(GHz)</sub> 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 ≤ 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

Band	Frequency (MHz)	Antenna Gain (dBi)		Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Limit
BLE	2440	0	3.98	3±1	4	0.785	3.000

### Note

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

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