



RF Exposure Information.

Firm: iBeat
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Model: WA001B1 and WA001B2
FCC ID: 2AP3M-W110

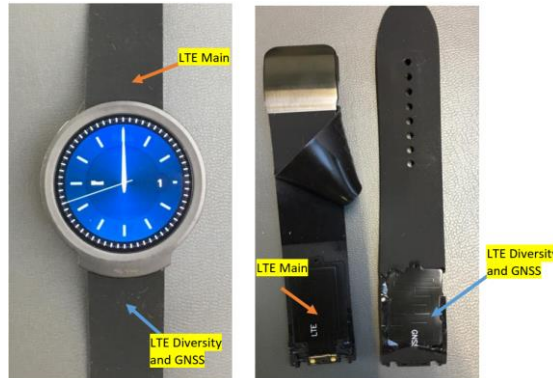


Figure 1 Antenna Location for Heart Watch

RF Exposure Information:

The Heart Watch is worn on the wrist like any other watch. RF antennas are located in the straps of the Heart Watch. The Heart Watch uses an RF module for RF transmission. The module is manufactured by Telit, part number LE866A1-NA and has FCC-ID: R17XE866A1NA. The output power level is +23dBm +/- 1.5dB. The LTE transmission is performed by LTE Main Antenna only (LTE Diversity antenna is used only for receive).

The LTE connectivity provided by the Telit Module is used for sending SMS, uploading logs or exchanging data between a server and the Watch (The Watch does not have any voice functionality). Maximum data-rate for communication between the processor and the LTE module is 115,200 bits/second. Hence, in any given 6 minute interval, the Watch can transmit about $115.2 \text{ kbps} \times 360 \text{ seconds} = 41.5 \text{ Mbits}$.

Given that LTE has a bandwidth of 5Mbit/second, this translates to an average duty cycle of about 2% at max output power of +24.5dBm.

LTE Band		target nominal dBm	tolerance +/- dB
Band 2	low	+23	+1.5/-1.5
	mid	+23	+1.5/-1.5
	high	+23	+1.5/-1.5
Band 4	low	+23	+1.5/-1.5
	mid	+23	+1.5/-1.5
	high	+23	+1.5/-1.5
Band 12	low	+23	+1.5/-1.5
	mid	+23	+1.5/-1.5
	high	+23	+1.5/-1.5