



July 08, 2010

VTech Telecommunications Ltd
Model: IS6100
FCC ID: EW780-7732-00
Product Description: Cordless Headset

Ear Bud SAR exemption:

This device has been excluded from SAR testing based on source-based time-averaged conducted output power is less than 60/f per it operates with a maximum of 1 TDMA slot out of the 24 total slots. This document serves as the RF exposure exhibit in the FCC Form 731 application in lieu of a SAR report and has been reviewed and accepted by the FCC prior to submittal to the TCB.

Operational Description:

The IS6100 is a DECT 6.0 Cordless Headset. It operates at frequency range of 1921.536MHz to 1928.448MHz with 5 channels. The Headset is powered by a built-in "Lithium-ion" rechargeable battery pack. Each newly purchased Headset (IS6100) must be registered to a VTech DECT 6.0 cordless telephone system before use. By simply pressing the central button, the user can pick up the call during phone ringing and to end the call during a call. The headset can adjust its earpiece volume and ringer volume.

RF Exposure Conditions:

The Headset is intended for use in the portable exposure condition and the General Population / Uncontrolled RF exposure environment.



Transmission Mode:

The IS6100 cordless Headset utilizes a DECT wireless communication technology with a maximum of 1 TDMA slot out of the 24 total slots.

Duty Cycle:

Under DECT mode, the IS6100 - wireless Headset operates with a maximum of 1 TDMA slot out of the 24 total slots. The length of time for each single slot is roughly the same as 420 μ s and the 24 total slots is 10ms as a transmission period.

RF Output Power:

Tx frequency range: 1921.536 ~ 1928.448MHz

Antenna-to-tissue phantom separation: 2mm

Maximum Output Power: 19.65 dBm (92.26mW)

Maximum Duty Factor: 4.16%

60/f(GHz) mW = 31.17mW

Source-based time-averaged conducted output power is 3.838mW =< 60/f