RF Exposure Requirements

Product Description: Smart watches

Model No.: <u>STARVOX</u>, <u>W5</u> FCC ID: <u>2ANSUSTARVOX</u>

According to the KDB 447498 D01 v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,

mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,16 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

Bluetooth(EDR)

Conducted	Max. Power	Distance	Frequency	Result	Limit
Power (dBm)	(mW)	(mm)	(GHz)		
7.665	5.84	5	2.480	1.84	3

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}]: 5.84/5*\sqrt{2.480}=1.84$

Bluetooth(BLE)

Conducted	Max. Power	Distance	Frequency	Result	Limit
Power (dBm)	(mW)	(mm)	(GHz)		
6.936	4.94	5	2.480	1.56	3

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}]: 4.94/5*\sqrt{2.480}=1.56$

The exclusion thresholds is less than 3, therefore, the RF exposure evaluation is not required.