FCC ID:2A4NH-S22

## **RF Exposure Evaluation**

According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093, Unless specifically required by the *published RF exposure KDB procedures*, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding *SAR Test Exclusion Threshold* condition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(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  $\le 7.5$  for 10-g 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

## Here,

| Max Power(dBm) | Max Power(mW) | Frequency(MHz) | Min. distance(mm) | Calc. Result | limit |
|----------------|---------------|----------------|-------------------|--------------|-------|
| -19.7          | 0.0107        | 433.92         | 5                 | 0.001        | 3.0   |

EIRP(dBm)=E(dBuV/m)-95.2=75.50-95.2=-19.7dBm

So a SAR test is not required