RF Exposure Evaluation Statement

Product Name: H2

Model No.：H2-i5202NN, H2-X5202NN, H2-i5202D3, H2-X5202D3, H2-i5202D6, H2-X5202D6, H2-i5202DH, H2-X5202DH, H2-i5201NN, H2-X5201NN, H2-i5201D3, H2-X5201D3, H2-i5201D6, H2-X5201D6, H2-i5201DH, H2-X5201DH

FCC ID：2AO94-H2

1.1 RF Exposure Compliance Requirement

1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

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 Exclusion Threshold condition, listed below, is satisfied.

1.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 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[17]
- The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion

1.1.3 EUT RF Exposure

Operational Mode: BLE						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402MHZ	-0.40	±1	0.60	1.15	0.36	3.0
2442MHz	-0.26	±1	0.74	1.19	0.37	
2480MHz	-1.19	±1	-0.19	0.96	0.30	
Conclusion: the calculated value ≤3.0, SAR is exempted.						