

FCC RF Exposure

EUT Description: PREMIUM HEATED GEAR

Model No.: MWMJ31, MWJ19M20, MWMJ04, MWWJ04, MWWJ10, MWMJ31, MWMJ37, MWWJ39, MWMJ02, MWMJ11, MWWJ11, MWMJ16, MWWJ38, MWMJ13, MWWJ13, MWJ19W08, MWMJ12, MWWJ12, MWMJ19, MWMJ18, MWMJ36, MWMJ24, MWMJ34, MWMV04, MWWV04, MWJ19W09, MWMV16, MWWV16, MWMV17, MWWV18, MWMV15, MWUV11, MWUV07, MWMT11, MWMT12, MWMP09, MWMT14, MWWP10, MWWT15, MWWP22, MWMP21, MWUP15, MWUH03, MWUH08, MWUH09, MWUH06, MWMJ10, MWWT14, MWWP21, MWUH02, MWMJ30

FCC ID: 2A2QC-MWMJ31

1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 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:
$$\left[\frac{(\text{max power of channel, including tune - up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
 for 1 - g SAR and ≤ 7.5 for 10 - g extremity SAR,

Where:

Result = $P/D \cdot \sqrt{F}$

F = the RF channel transmit frequency in GHz

P = Maximum turn - up power in mW

D = Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm ²)	SAR Test Exclusion
2480	-7.35	-7 ± 1	-6/0.25	5	0.079	3.0	Pass
Note: PK Output power = conducted power. Conducted power see the test report HK2203101006-E , antenna gain = 0dBi							

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.079 which is ≤ 3 , RF Exposure testing is not required.

Note: Exclusion Thresholds Results = $\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ for 1 - g SAR and ≤ 7.5 for 10 - g extremity SAR,

separation distance, mm)] $\cdot [\sqrt{f_{\text{(GHz)}}}]$

$f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz

Distance=5mm