## RF EXPOSURE EVALUATION

FCC ID: 2AEQL-JK-B02

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b):

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The 1-g and 10-g SAR test exclusion thresholds for }100\textrm{MHz}\mathrm{ to 6 GHz at test separation distances
\leq 5 0 \mathrm { mm } \text { are determined by:}
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]
    [ |f (GHz)
    - }\mp@subsup{f}{(\textrm{CHz})}{}\mathrm{ is the RF channel transmit frequency in GHz
    - Power and distance are rounded to the nearest mW and mm before calculation }\mp@subsup{}{}{17
    - The result is rounded to one decimal place for comparison
The test exclusions are applicable only when the minimum test separation distance is }\leq50\textrm{mm}\mathrm{ and
for transmission frequencies between }100\textrm{MHz}\mathrm{ and 6 GHz. When the minimum test separation
distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.
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Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

## Mode: BDR

The maximum output power for low channel is: $0.28 \mathrm{dBm}=1.07 \mathrm{~mW}$
Tune up tolerance is: $0.28 \pm 1 \mathrm{dBm}$
The Max. Tune up Power $=1.28 \mathrm{dBm}=1.34 \mathrm{~mW}$
The calculation results $=1.34 / 5 * \sqrt{2.402}=0.415<3$

The maximum output power for middle channel is: $-2.05 \mathrm{dBm}=0.62 \mathrm{~mW}$
Tune up tolerance is: $-2.05 \pm 1 \mathrm{dBm}$
The Max. Tune up Power $=-1.05 \mathrm{dBm}=0.79 \mathrm{~mW}$
The calculation results $=0.79 / 5^{*} \sqrt{ } 2.441=0.247<3$

The maximum output power for high channel is: $-3.63 \mathrm{dBm}=0.43 \mathrm{~mW}$
Tune up tolerance is: $-3.63 \pm 1 \mathrm{dBm}$
The Max. Tune up Power $=-2.63 \mathrm{dBm}=0.55 \mathrm{~mW}$
The calculation results $=0.55 / 5 * \sqrt{ } 2.480=0.173<3$

## Mode: EDR

The maximum output power for low channel is: $0.36 \mathrm{dBm}=1.09 \mathrm{~mW}$
Tune up tolerance is: $0.36 \pm 1 \mathrm{dBm}$
The Max. Tune up Power $=1.36 \mathrm{dBm}=1.37 \mathrm{~mW}$
The calculation results $=1.37 / 5^{*} \sqrt{ } 2.402=0.425<3$

The maximum output power for middle channel is: $-1.90 \mathrm{dBm}=0.65 \mathrm{~mW}$
Tune up tolerance is: $-1.90 \pm 1 \mathrm{dBm}$
The Max. Tune up Power $=-0.90 \mathrm{dBm}=0.81 \mathrm{~mW}$
The calculation results $=0.81 / 5 * \sqrt{ } 2.441=0.253<3$

The maximum output power for high channel is: $-3.84 \mathrm{dBm}=0.41 \mathrm{~mW}$
Tune up tolerance is: $-3.84 \pm 1 \mathrm{dBm}$
The Max. Tune up Power $=-2.84 \mathrm{dBm}=0.52 \mathrm{~mW}$
The calculation results $=0.52 / 5^{\star} \sqrt{ } 2.480=0.164<3$

Test Results: PASS.

