

3.1.12 RF Exposure

Test Requirement: FCC 47CFR 15.247(i)
Test Date: 2018-02-14
Mode of Operation: On mode

Requirements:

In 15.247(i), an equipment shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the limits in §§ 1.1310 and 2.1093 of this chapter.

Applications to the Commission for construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities must contain a statement confirming compliance with the limits unless the facility, operation, or transmitter is categorically excluded, as discussed below. Technical information showing the basis for this statement must be submitted to the Commission upon request.

According to KDB447498 D01 General RF Exposure Guidance v06, 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.

RF Exposure Evaluation

The Maximum tune-up power = -5.12dBm (0.308mW)

SAR Test Exclusion Thresholds= $0.1 \leq 3.0$ for 1-g SAR,

The test separation distances is ≤ 5 mm

The power tune up tolerance is -6.82 ± 1.70 dBm

Max. duty factor is 100%