

RF Exposure

FCC ID: QVJSAP300

Client FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

FCC ID: QVJSAP300 Access Point 300

Exhibit 4

RF Exposure Information

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RF EXPOSURE COMPLIANCE REQUIREMENT

The FleetMind Access Point 300 is a low power Direct Sequence Spread Spectrum System and as such is eligible for exemption for the RF Compliance requirement due to the following clauses:

Ref: Supplement C (Edition 01-01)to OET Bulletin 65 (Edition 97-01)
Evaluating Compliance with FCC
Guidelines for Human Exposure to
Radio frequency Electromagnetic Fields

SECTION 3: RF EXPOSURE COMPLIANCE FOR SPREAD SPECTRUM TRANSMITTERS

For spread spectrum transmitters operating under 47 CFR §15.247, it is specified in 47 CFR

§15.247(b)(4) that these devices must operate in a manner that ensures the public is not exposed to RF energy levels in excess of the Commission's guidelines. These devices are categorically excluded from routine environmental evaluation because they generally operate at relatively low power levels where there is a high likelihood of compliance with the RF exposure standards. For some low power devices it may be necessary to ensure compliance with the RF exposure limits by using a combination of simple procedures such as installation and operating instructions, warning instructions and/or warning labels on the device to ensure that the device will not expose nearby persons above the applicable MPE limits. In most cases, the "worst case" distance at which an MPE limit is met for mobile devices can be estimated according to the power density produced by an isotropic source with radiated output power equivalent to that transmitted by the device as discussed in OET Bulletin 65. .

If a transmitter is designed to operate next to the body of its user or at close proximity to persons, a RF evaluation may be requested according to 47 CFR §1.1307(c) and (d). These types of evaluations are typically limited to transmitters that are intended to operate in very close proximity to the body, using 0.5 watt of output power or more with a high signal transmitting duty factor, and which do not incorporate obvious effective

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means for users to meet RF exposure compliance. When RF evaluation is requested, the procedures described in this supplement for evaluating mobile and portable devices with respect to MPE or SAR limits may be used.

METHODS TO ENSURE COMPLIANCE FOR SPREAD SPECTRUM TRANSMITTERS

The examples shown in the Table 1 are not intended to establish mandatory procedures for RF exposure compliance for spread spectrum transmitters. Other methods and procedures may be acceptable based on device output power, operating configurations and exposure conditions. The range of power levels and distances used are approximate values representative of typical operating conditions for most spread spectrum transmitters operating at 915 or 2450 MHz. For certain fixed and mobile transmitters that are not designed to be carried next to the body of a user during normal operation, the use of appropriate operating and warning instructions in the operator's manual or warning labels on the device may offer effective means to prevent users and nearby persons from exposure at a specified distance from the device ...”

Conclusion:

The product is a Direct Sequence Spread Spectrum System (Mobile Device) having a relatively low power having the highest ERP of 21.7 dBm with either of the antenna. The user manual also contains a 20 cm distance installation recommendation, thus meeting the MPE requirements.