

Exemption from Routine Evaluation – SAR Evaluation for M5K001

1. Introduction

M5K001 is a Medsense badge, which is a 2.4GHz short range device.

2. Limit and Guidelines on Exposure to Electromagnetic Fields

According to RSS-102 § (2.5.1), SAR evaluation is required if the separation distance between the user and the device is less than or equal to 20 cm, except when the device operates: above 2.2 GHz up to 3 GHz inclusively and its output power (i.e. the higher of the conducted or radiated (e.i.r.p.) source-based time-averaged output power) is less than, or equal to 20 mW for General Public Use and 100 mW for Controlled Use

3. Calculation method

Maximum radiated power of M5K001 is 0.67mW(-1.77dBm), it is below 20mW, Exemption from Routine Evaluation Limits – RF Exposure Evaluation, so SAR evaluation is not necessary.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Reviewed by:



Ken Li/ EMC Project Manager
Date: 2014-06-26

Prepared By:



Felix Li/ EMC Project Engineer
Date: 2014-06-26