

Manufacturer Popit Ltd
Device Pill Reminder, model: Popit Sense
FCC ID: 2APJS-PS1TYP, **IC ID**: 23739-PS1TYP
Report No. 292747-1-4

REFERENCE DOCUMENTS

FCC Parts 1.1310 and 2.1093
FCC KDB 447498 D01 General RF Exposure Guidance v06
RSS-102, Issue 5

RF EXPOSURE ASSESSMENT

Operating Frequency Range (OFR)	USA: 2402 – 2480 MHz CAN: 2402 – 2480 MHz
Channels	40 (USA, CAN)
Channel separation	2 MHz
Max. peak conducted output power	-8.37 dBm (2402 MHz)
Effective isotropic radiated power (e.i.r.p.)	-6.37 dBm
Duty cycle correction	-
Antenna gain (RFANT3216120A5T)	2 dBi

SAR test exclusion threshold:

FCC KDB 447498 D01 General RF Exposure Guidance v06 chapter 4.3.1 a)

Limit: $P_{max}/d_{min} \cdot \sqrt{f_{GHz}} < 3.0$

$P_{max} = 0.15 \text{ mW}$, $d_{min} = 5 \text{ mm}$, $f = 2.402 \text{ GHz}$

$1 \text{ mW} / 5\text{mm} \cdot \sqrt{2.402 \text{ GHz}} = 0.3$

The result is under the SAR test exclusion threshold.

Evaluation against RSS-102, Issue 5

SAR test exclusion threshold:

RSS-102, Issue 5, chapter 2.5.1, Table 1: SAR test exclusion threshold is 4 mW (2450 MHz, $d < 5\text{mm}$)

The power of EUT is -6.37 dBm = 0.23 mW

RF EXPOSURE STATEMENT

Based on the assessment above Popit Pill Reminder in portable use complies with the basic restriction and requirements according to FCC Parts 1.1310 and 2.1093 and RSS-102 Issue 5.

Date: August 10, 2018

SGS Fimko Oy



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