

Cinch Systems, Inc.
12075 43 ST NE
St. Michael, MN 55376
763.497-1064

22 August 2016

TUV SUD BABT
Octagon House,
Concorde Way
Segensworth Rd N,
Fareham
PO15 5RL

Subject: SAR Evaluation Exemption Compliance information

FCC ID: 2ABBZ-RF-MDWS-ITI-S

IC ID: 11817A-RFMDWSITIS

FCC KDB 447498 D01v05 Clause 4.3.1.1 SAR test exemption criteria

Portable Exposure SAR Exemption

Per FCC KDB 447498 D01 RF Exposure v05r01

Maximum e.r.p. power = 0.34 mW

$f_{(\text{GHz})} = 0.3195$

A test separation distance of 5 mm has been applied to the SAR test exclusion calculation.

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \left[\sqrt{f_{(\text{GHz})}} \right] \leq 3.0$$

$f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

[Ref: Clause 4.3.1.1]

$$\left[\frac{(0.34\text{mW})}{(5, \text{mm})} \right] \left[\sqrt{0.3195_{(\text{GHz})}} \right] \leq 3.0$$

$$0.6 \leq 3.0$$

Therefore, the device meets the FCC SAR exemption requirements.

Device is exempt from routine SAR evaluation per RSS-102 Issue 5, due to the maximum power of the device (=0.34mW) being less than 52 mW

Yours sincerely,

Company Officer: Joel C Christianson

Telephone Number: 763-497-1064

Email: joel.christianson@cinchsystems.com