

14 July 2020

SAR / RF Exposure LetterFCC ID: **2AVQS-17WFM21**

To whom it may concern,

We, STC Germany GmbH, hereby declare that WIFI Modul 17WFM21 of Vestel Elektronik is exempt for RF exposure SAR evaluation with Exposure Compliance requirements of the KDB 447498 D01 General RF Exposure Guidance.

KDB 447498D01 has following exclusion for portable devices:

For 100 MHz to 6 GHz at a separation distance ≤ 50 mm, the 1 g and 10 g SAR test exclusion is determined by:

For 1g SAR:	$(P/d) \times (\sqrt{f}) \leq 3.0$
For 10g SAR:	$(P/d) \times (\sqrt{f}) \leq 7.5$

- **P (mW) Power rounded to the nearest mW**
- **d (mm) distance rounded to the nearest mm. When the minimum test separation distance is < 5mm, a distance of 5mm applied to determine SAR test exclusion.**
- **f (GHz) is the RF channel transmit frequency in GHz**
- **The result is rounded to one decimal place for comparison**

Calculation Data for the device:

Conducted RF Output power: 14.39dBm @2412MHz (802.11n HT20)
Tune-up power: 15.0dBm (31.62mW)
Separation distance 45 mm

Result: **$31.62 \text{ mW} / 45 \text{ mm} \times \sqrt{2.412 \text{ GHz}} = 1.7^*$**

*** This is less than 3.0, so no SAR is required for a separation distance of 45 mm between antenna and user/bystander.**

Thank you for your attention to this matter



Tropmann Anton
Head of Laboratory
STC Germany (formerly PKM electronic GmbH)