

## 8 Appendix A - General Product Information

### Radiofrequency radiation exposure evaluation

According to KDB 447498 D01v06 section 4.3.1, For frequencies between 100 MHz to 6GHz and test separation distances  $\leq 50$  mm, the Numeric threshold is determined as:

Step a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR

>> The fundamental frequency of the EUT is 433.92MHz, the test separation distance is  $\leq 5\text{mm}$  &  $\leq 20\text{mm}$ .

(Manufacturer specified the separation distance is: 20mm)

Step a.1)

>> Numeric threshold,  $\text{mW} / 5 \text{ mm} \cdot \sqrt{0.43392\text{GHz}} \leq 3.0$   
Numeric threshold  $\leq 22.771\text{mW}$

Step a.2)

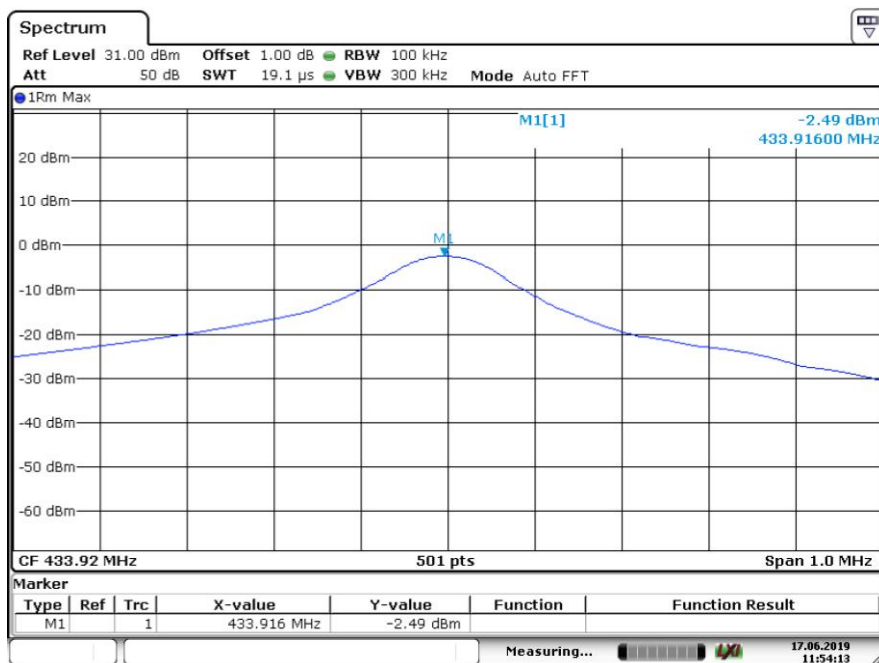
>> Numeric threshold,  $\text{mW} / 20 \text{ mm} \cdot \sqrt{0.43392\text{GHz}} \leq 3.0$   
Numeric threshold  $\leq 91.084\text{mW}$

>> The power of EUT measured is:  $-2.49\text{dBm} = 0.564\text{mW}$   
Which is smaller than the Numeric threshold.

Therefore, the device is exempt from stand-alone SAR test requirements.

**Appendix A - Conducted power**

EUT: HG05124A-US-TX  
Op Condition: Operated, TX Mode  
Comment: 3 VDC  
Remark: NA

**Test Result**☒ Passed☐ Not Passed

Date: 17.JUN.2019 11:54:14