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Report Number: 60.790.16.109.01  
Model No.: Z31915-US-TX

### **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  $\leq 50$ mm.  
(Manufacturer specified the separation distance is: 20mm)

Step a)

>> 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:  $-35.37\text{dBm} = 0.00029\text{mW}$   
Which is smaller than the Numeric threshold.  
Therefore, the device is exempt from stand-alone SAR test requirements.