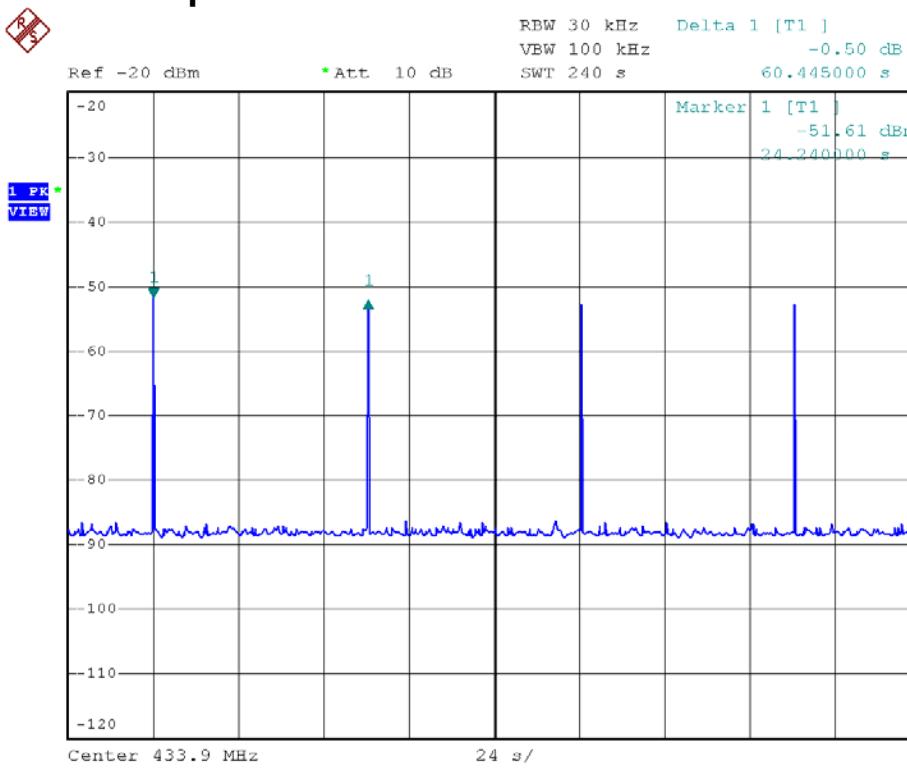


## Periodic Operation:



## 15.231(e) Timing Request:

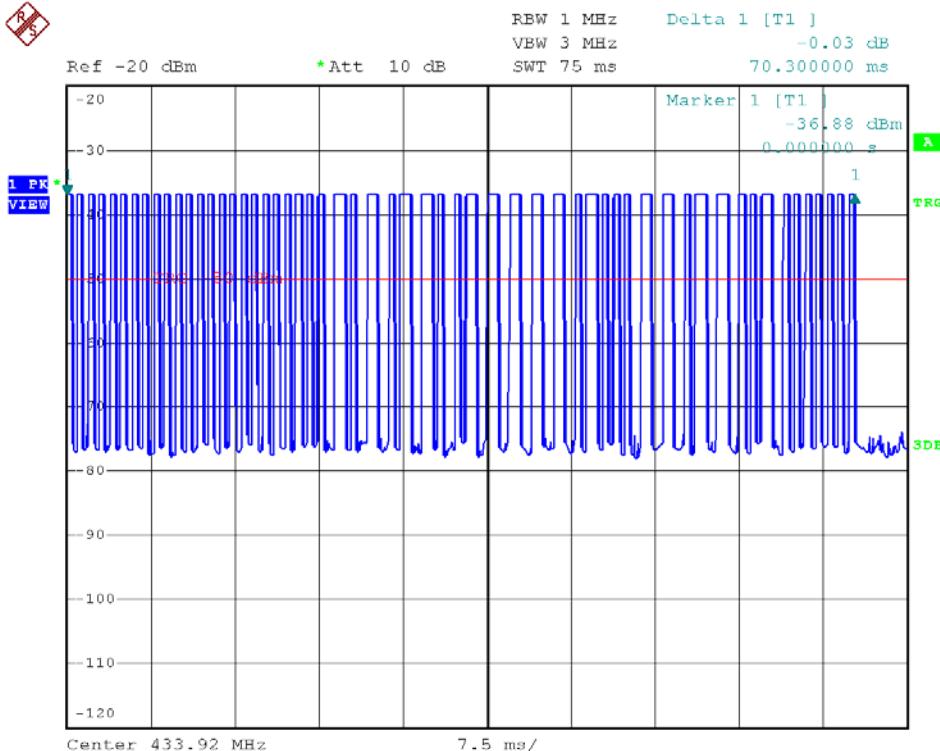
Transmission interval:  
60.445 seconds per  
transmission interval

30 Times transmitter duration

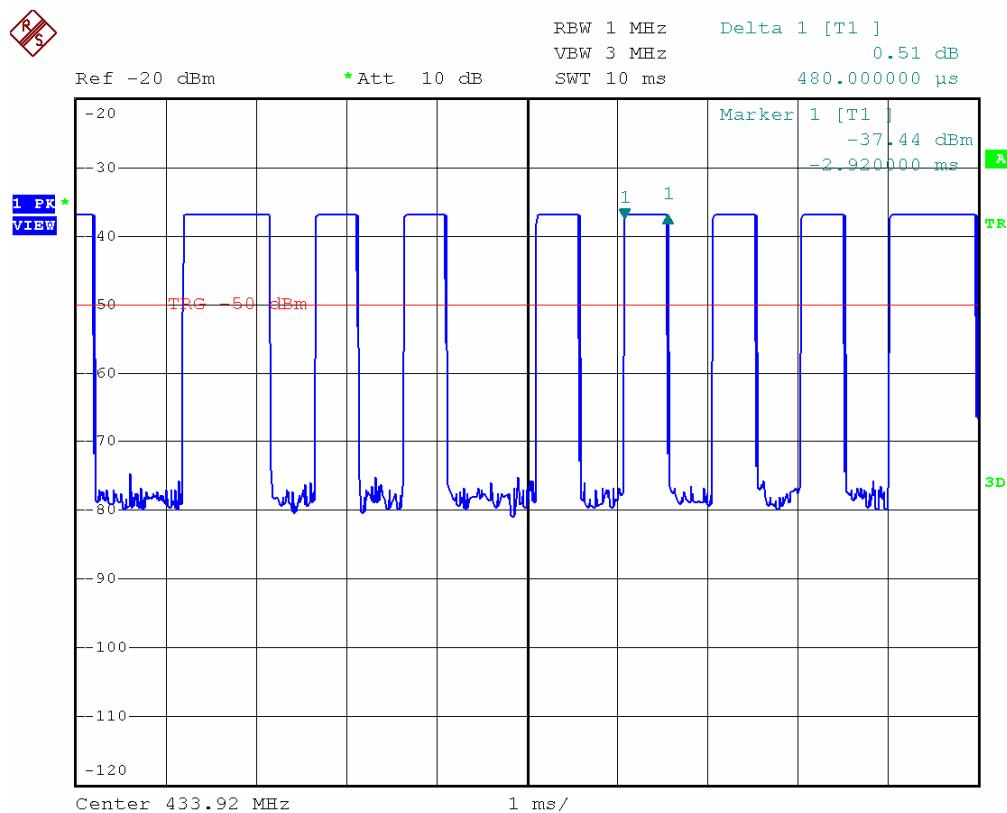
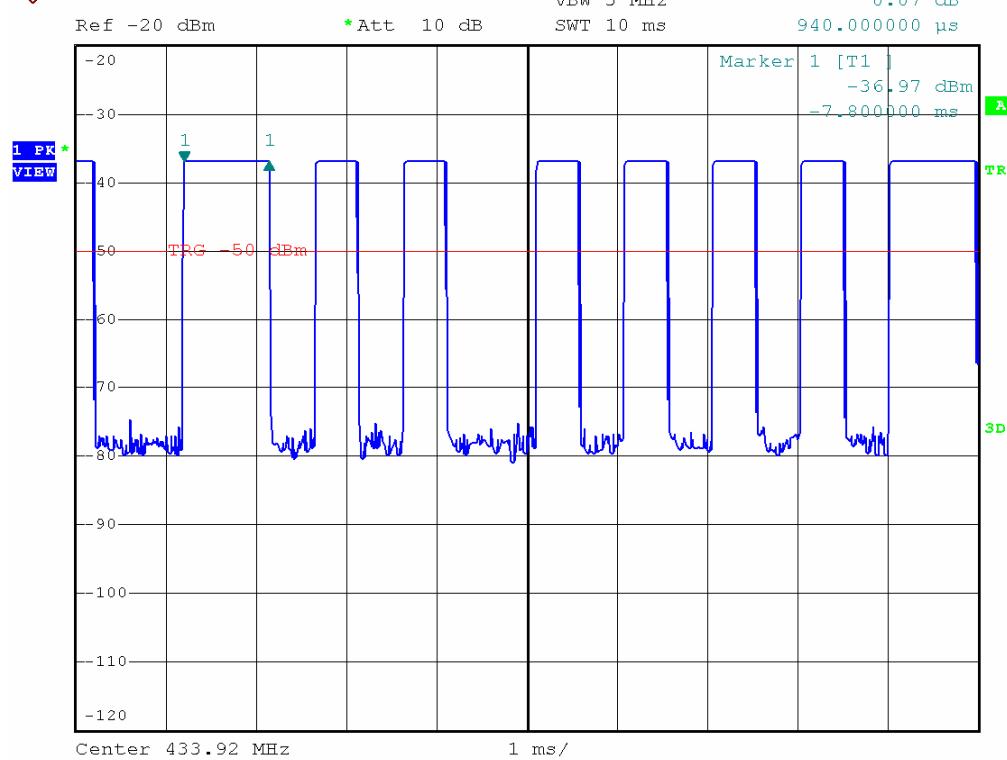
$$30 \times 0.0703 \\ = 2.109 \text{ seconds}$$

Requirement:  
Transmission interval  
>10 seconds and  
30 times of the duration

**Complied**



## Timing and Average Factor



### AF Calculation:

No. of "Short" bit: 42  
No. of "Long" bit: 15

Duration of "Short" bit:  
480 $\mu$ s

Duration of "Long" bit:  
940 $\mu$ s

Time per transmission:  
70.3ms

### Duty Cycle:

$$\frac{15 \times 940 + 42 \times 480}{70.3 \times 1000} = 0.48734$$

### Average Factor:

$$= 20 \times \log 0.48734 = -6.2433(dB)$$