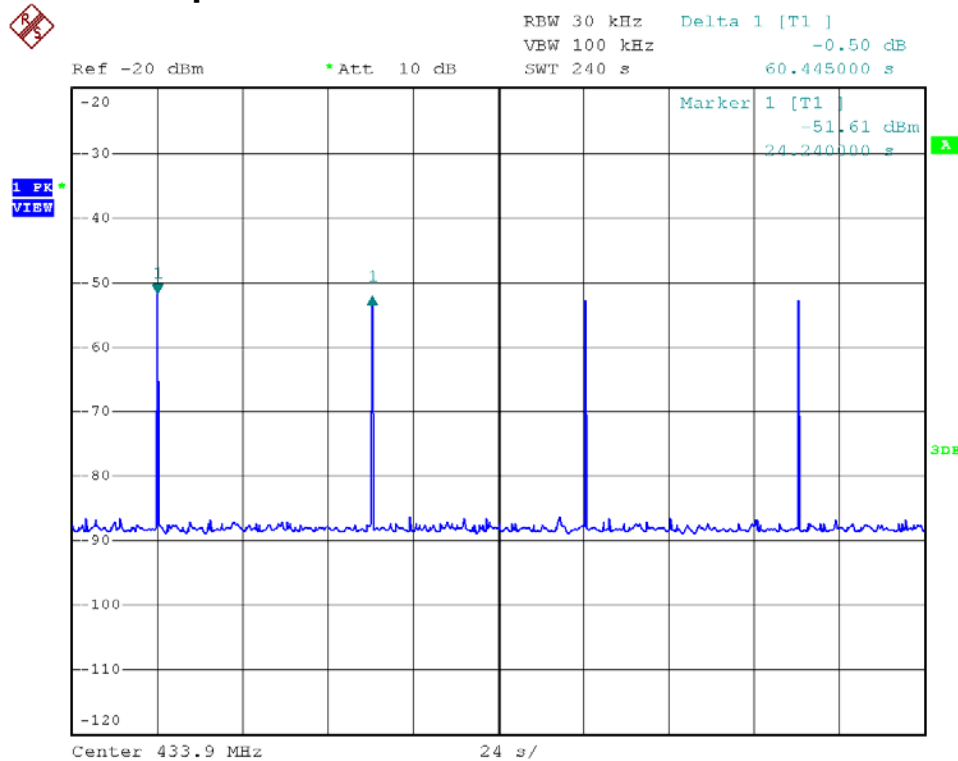


Periodic Operation:



15.231(e) Timing Request:

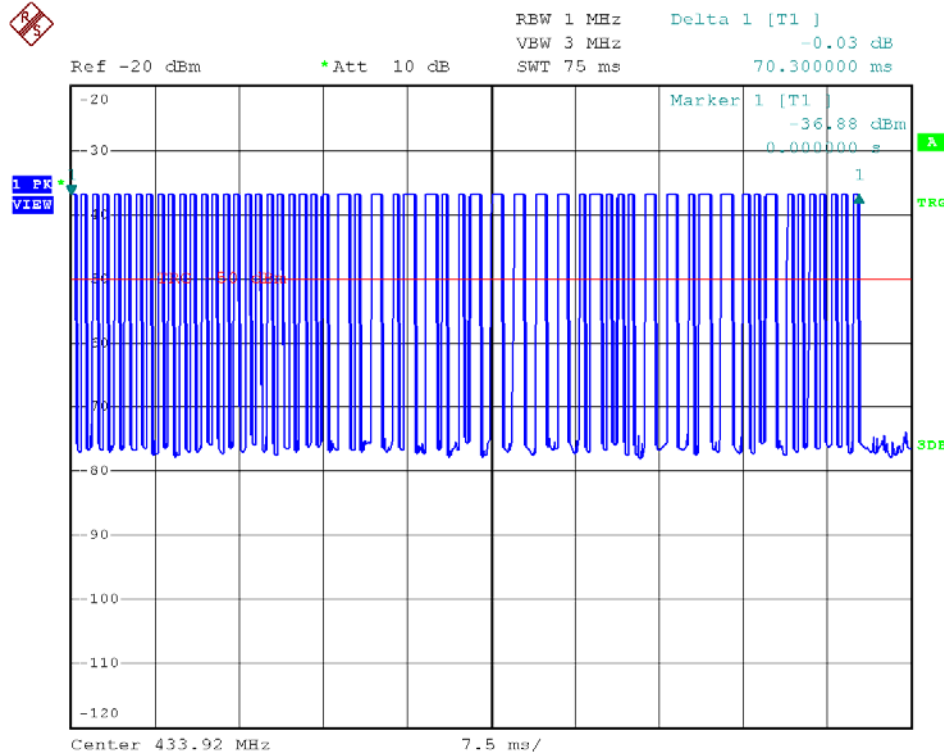
Transmission interval:
 60.445 seconds per
 transmission interval

30 Times transmitter
 duration

30×0.0703
 = 2.109 seconds

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

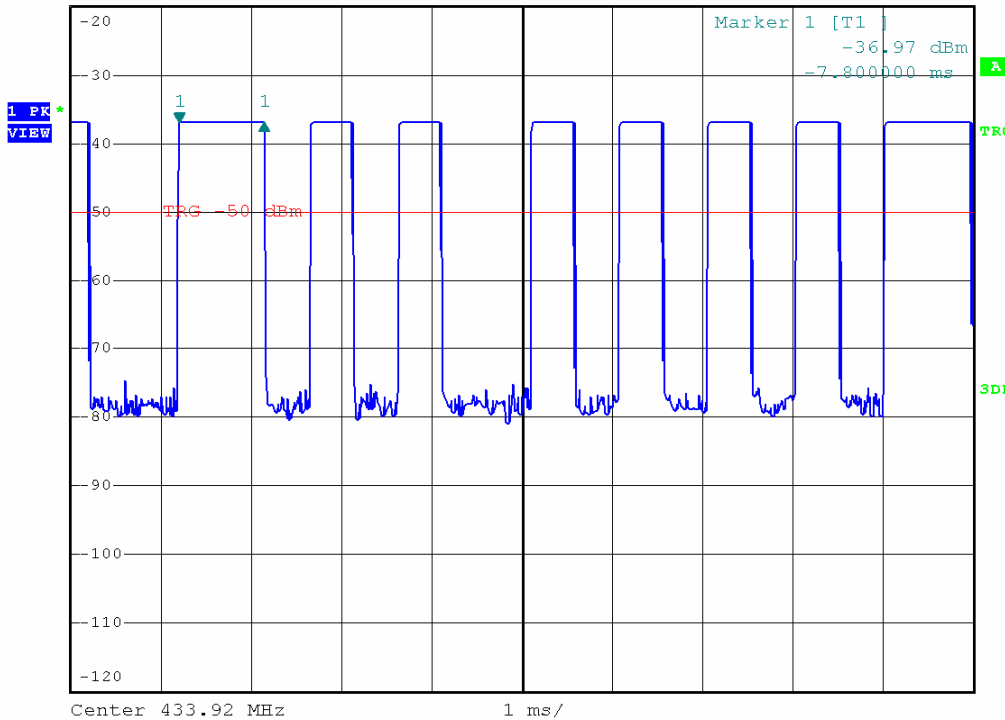
Complied



Timing and Average Factor



Ref -20 dBm *Att 10 dB RBW 1 MHz Delta 1 [T1]
 VBW 3 MHz 0.07 dB
 SWT 10 ms 940.000000 μs



AF Calculation:

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

Duration of "Short" bit:
 480μS
 Duration of "Long" bit
 940μS
 Time per transmission:
 70.3ms

Duty Cycle:

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

Average Factor:

$$= 20 \times \log 0.48734$$

$$= -6.2433(dB)$$



Ref -20 dBm *Att 10 dB RBW 1 MHz Delta 1 [T1]
 VBW 3 MHz 0.51 dB
 SWT 10 ms 480.000000 μs

