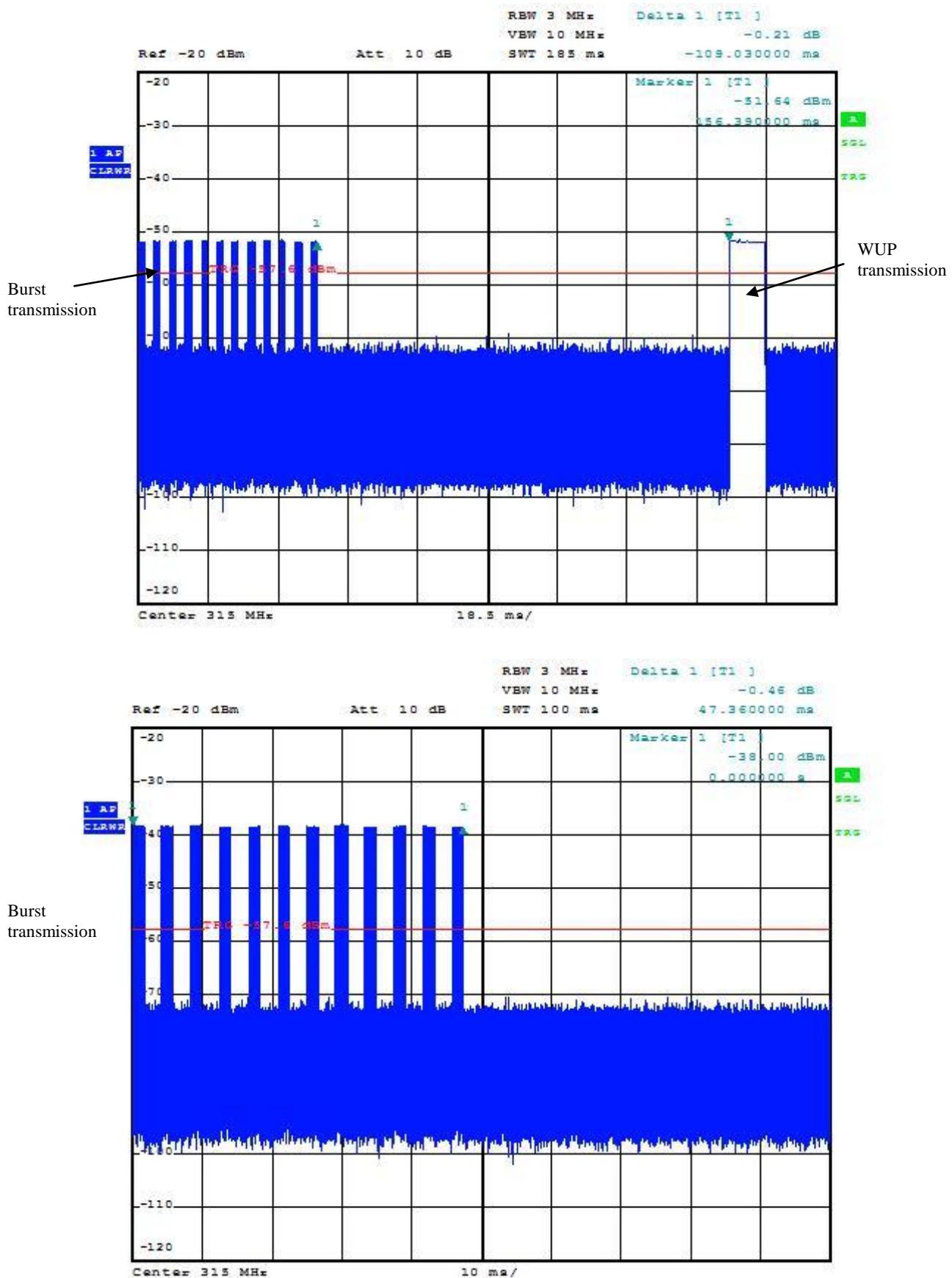


## **Periodic operation characteristics**

Manually operated transmitter deactivation

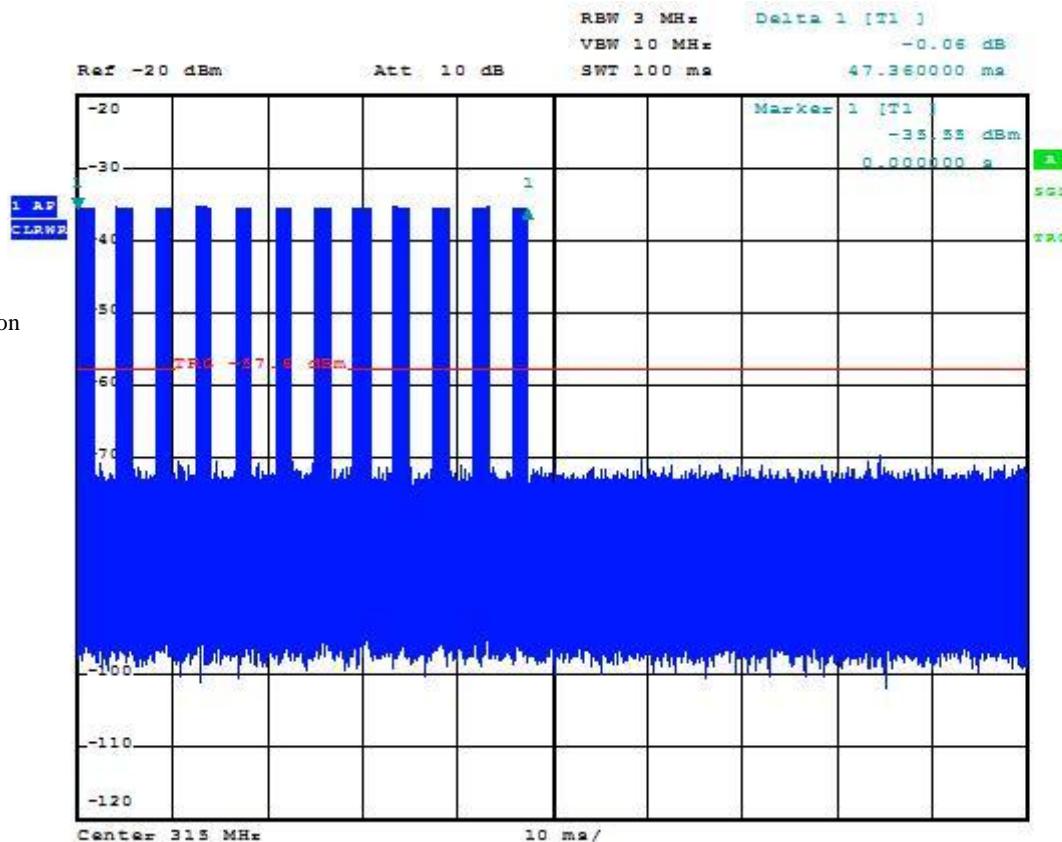
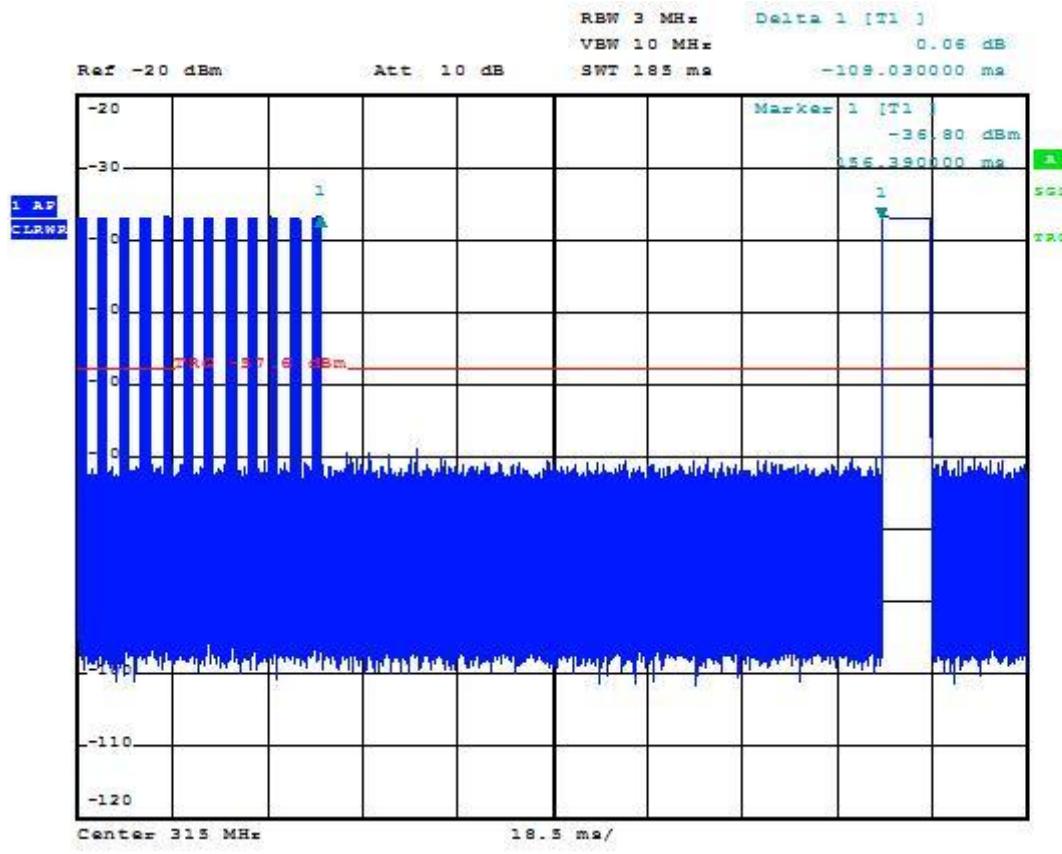
15.231 (e) Intentional radiators may operate at a periodic rate exceeding that specified in paragraph (a) and may be employed for any type of operation, including operation prohibited in paragraph (a), provided the intentional radiator complies with the provisions of paragraphs (b) through (d) of this Section, except the field strength table in paragraph (b) is replaced. In addition, devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds

WUP Sequence: Manufacturing Mode



Burst transmission:  
Single Burst = 2ms  
Total transmission time in 100ms =  $12 * 2\text{ms} = 24\text{ms}$

WUP Sequence: Parking Mode



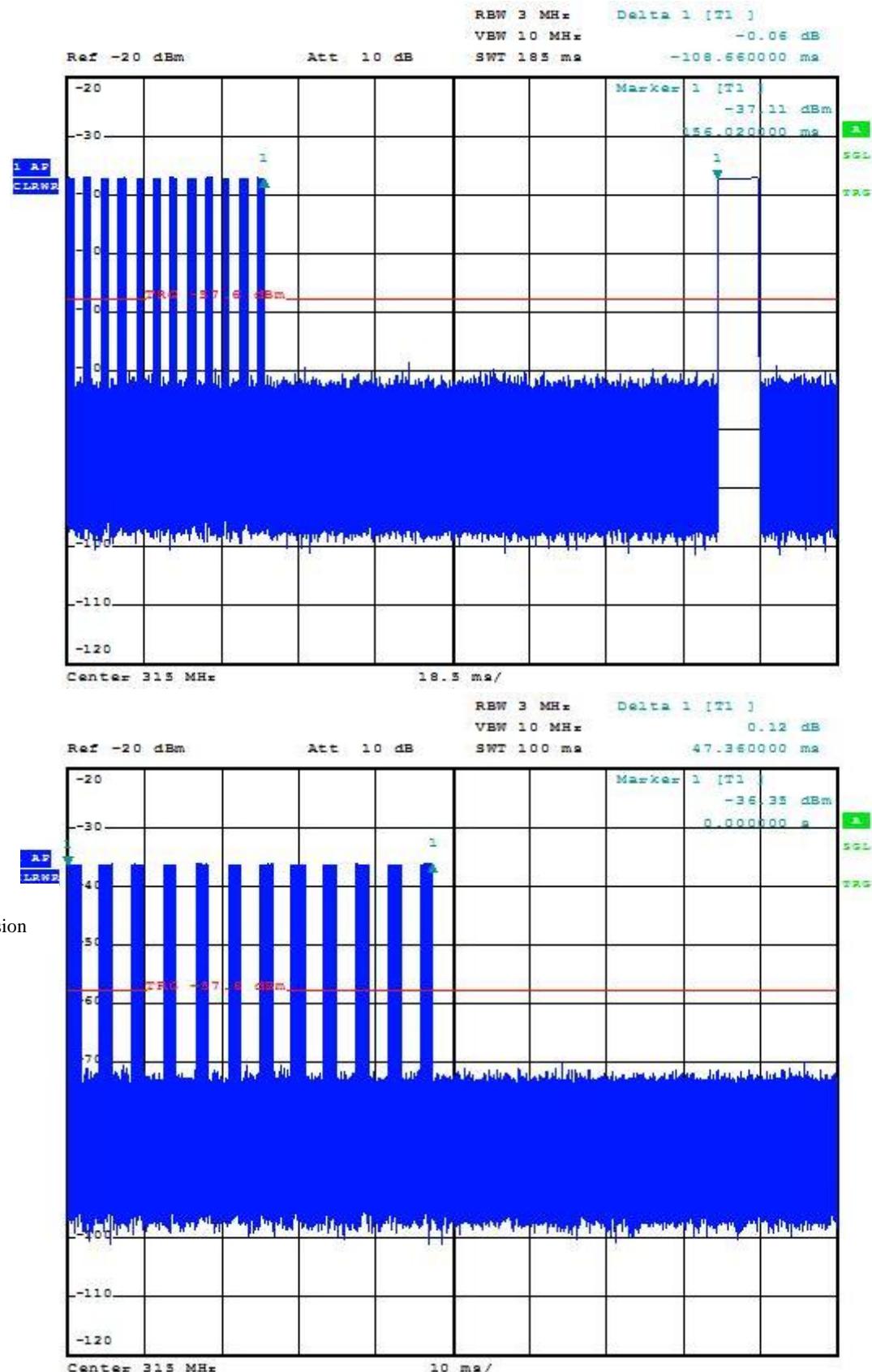
Burst transmission

Burst transmission:

Single Burst = 2ms

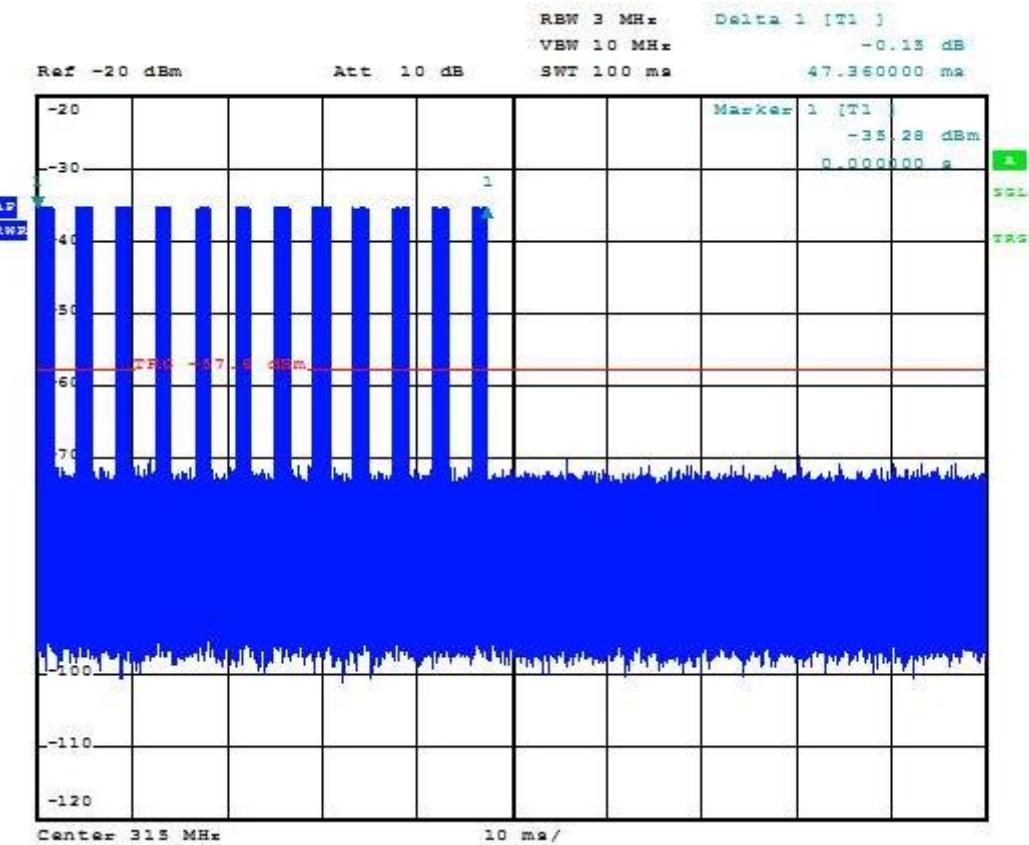
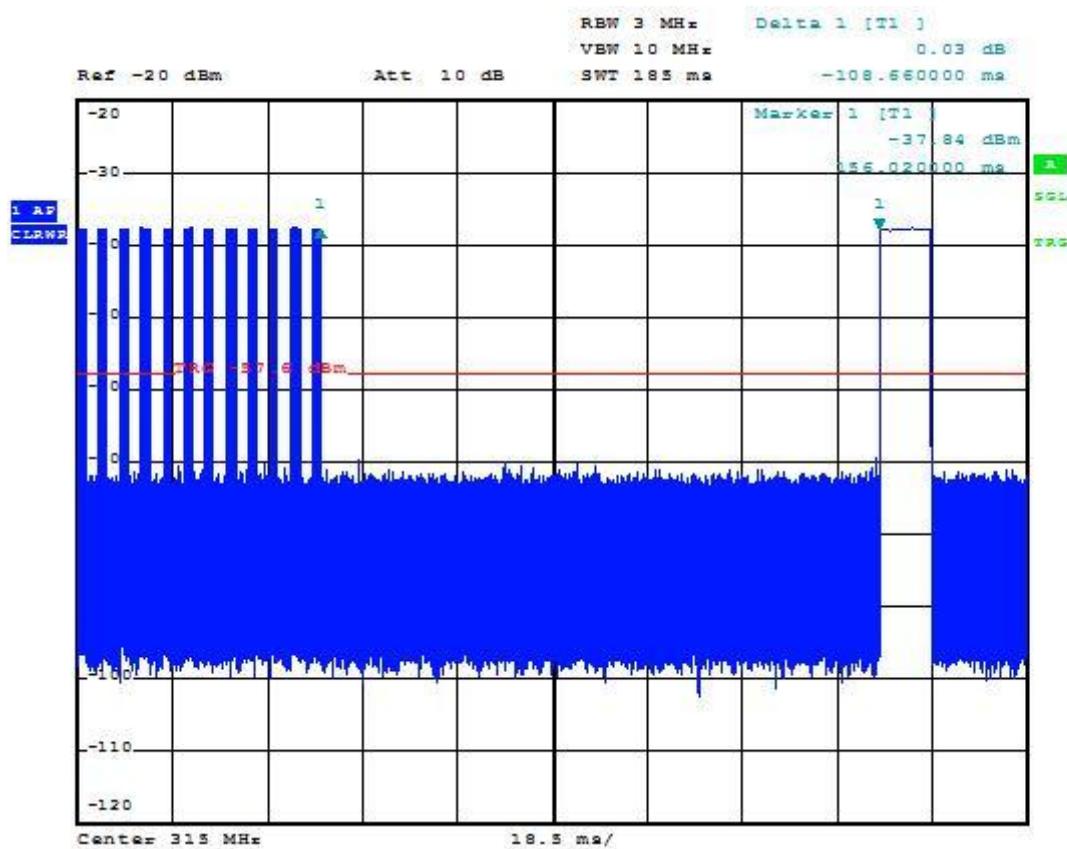
Total transmission time in 100ms =  $12 * 2\text{ms} = 24\text{ms}$

WUP Sequence: Shipping Mode



Burst transmission:  
Single Burst = 2ms  
Total transmission time in 100ms =  $12 * 2\text{ms} = 24\text{ms}$

WUP Sequence: Test Mode



Burst transmission

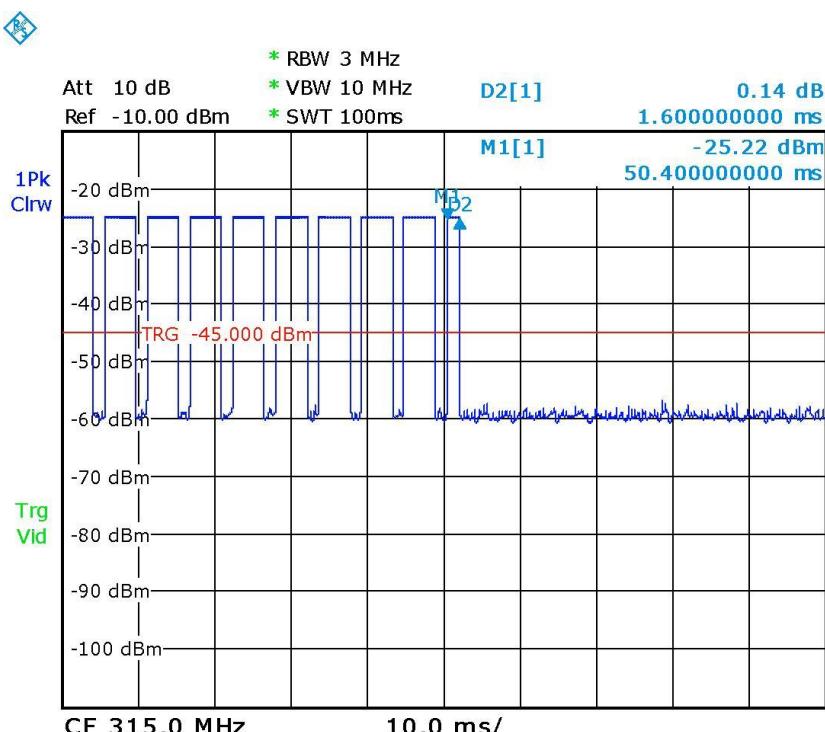
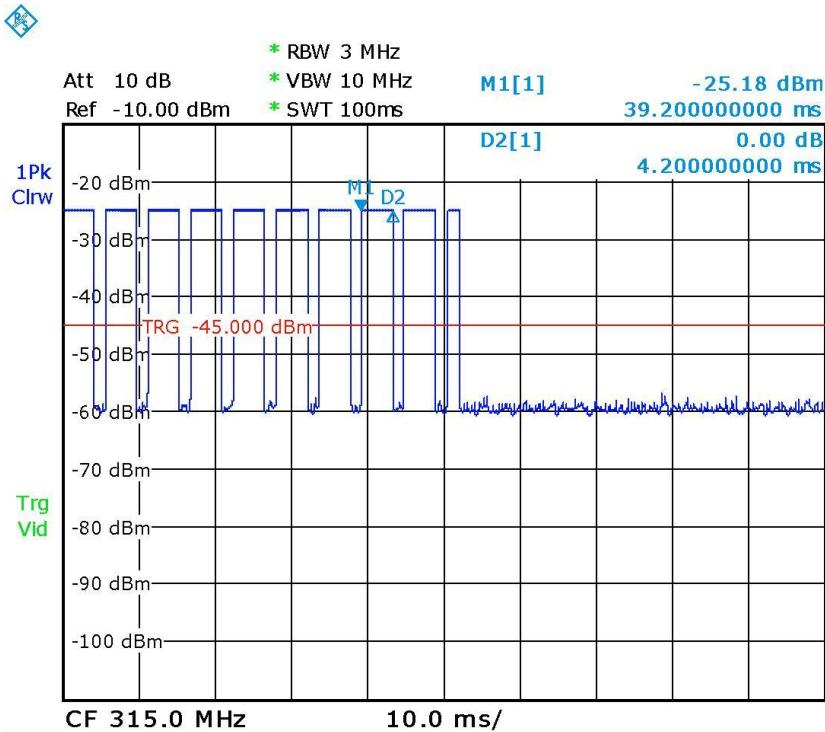
Burst transmission:

Single Burst = 2ms

Total transmission time in 100ms =  $12 * 2\text{ms} = 24\text{ms}$

## Worst case emission

The worst case emission was determined in one of the WUP sequences during initializing the wheel unit.



### WUP transmission max.:

9 \* Single Burst a' 4.2ms

1 \* Single Burst = a' 1.6 ms

Total transmission time in 100ms = 9 \* 4.2ms + 1.6ms = 39.4ms

### Average Factor:

Total transmission time in 100ms = 39.4 ms

Averaging Factor =  $20 \cdot \log (39.4/100) = -8.1 \text{dB}$  (measured)

Averaging Factor =  $20 \cdot \log (42.1/100) = -7.5 \text{dB}$  (declared by the manufacturer)