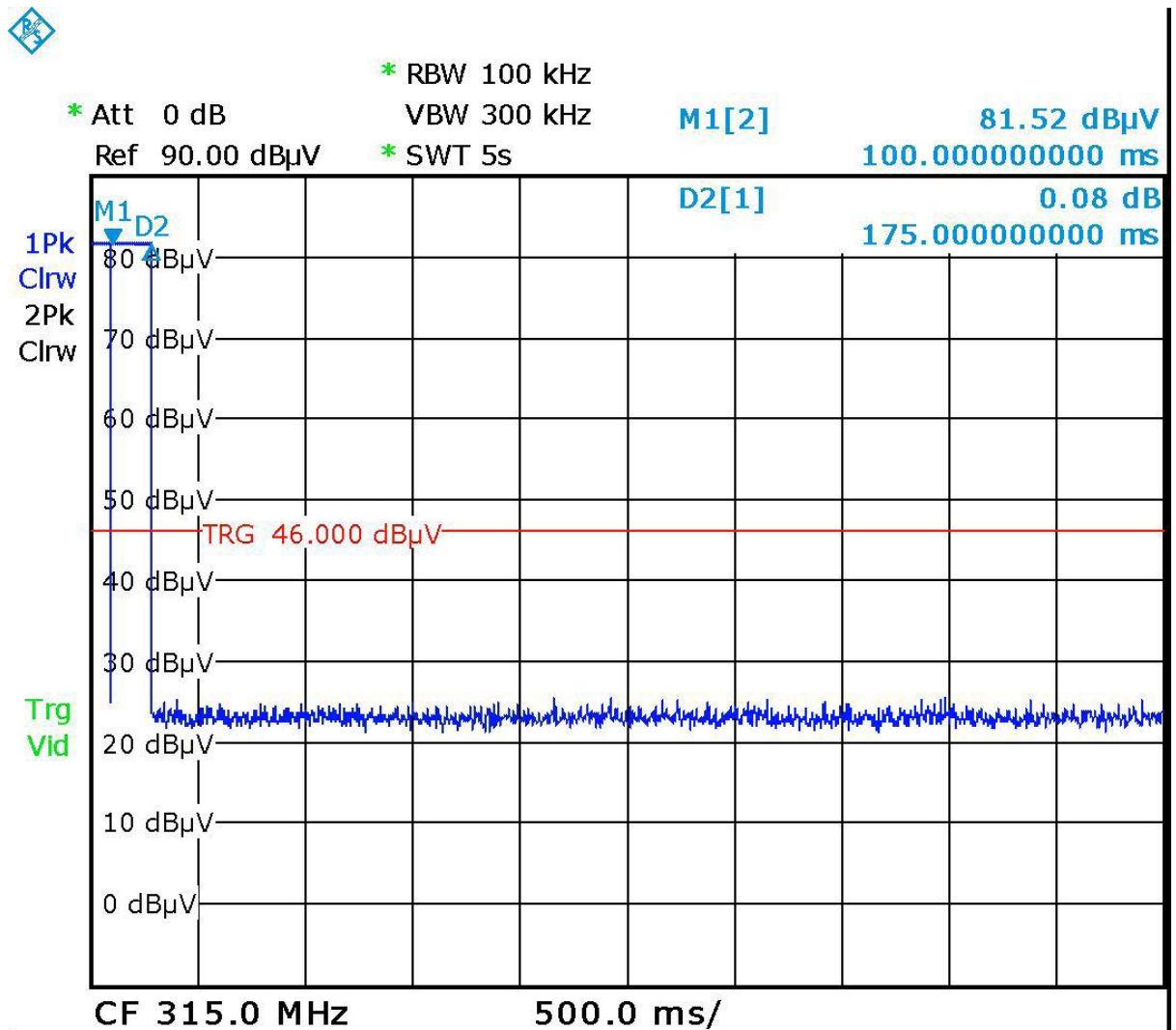


Annex no. 11

Periodic Operation Characteristics

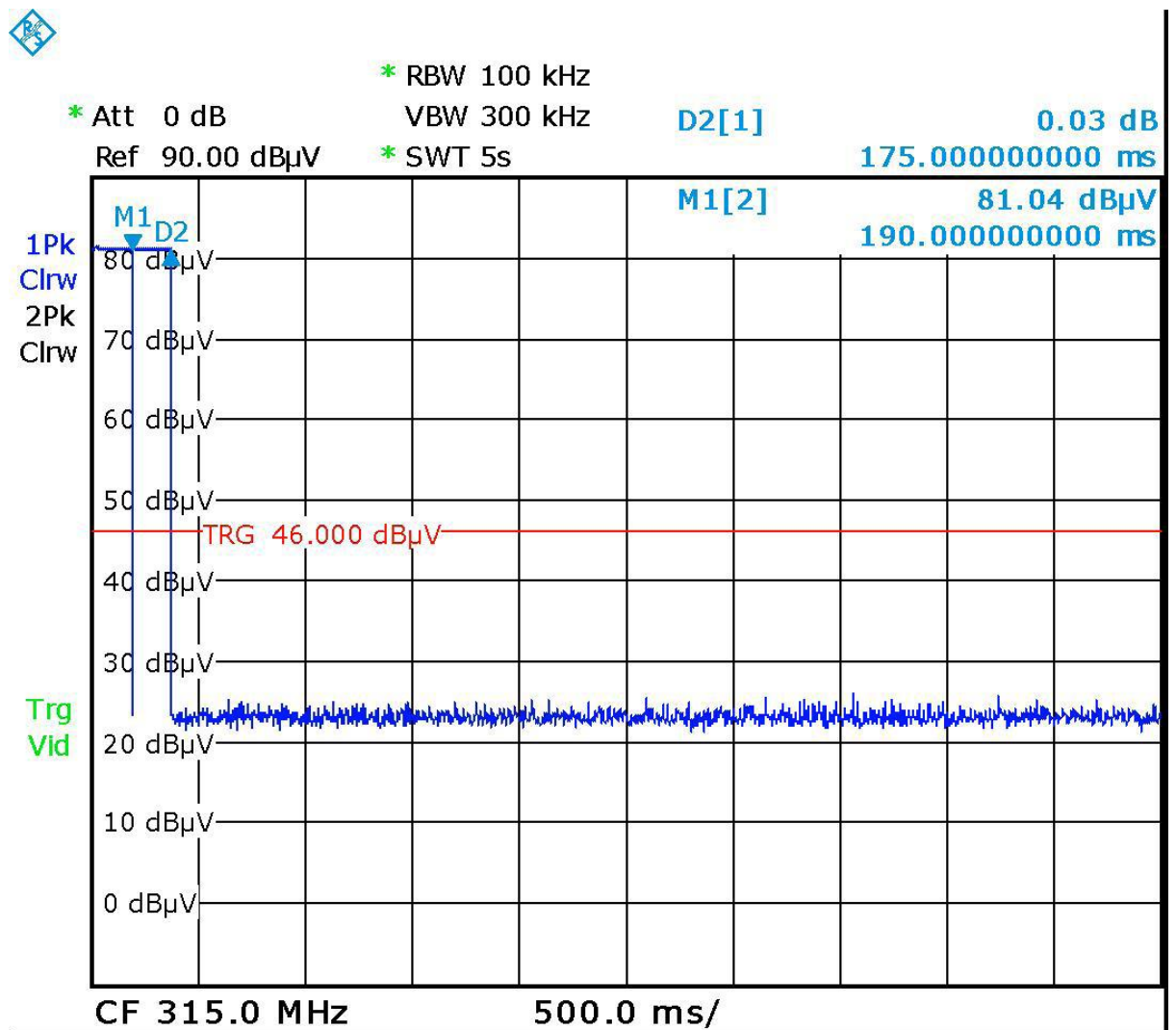


M1: release point



Close button

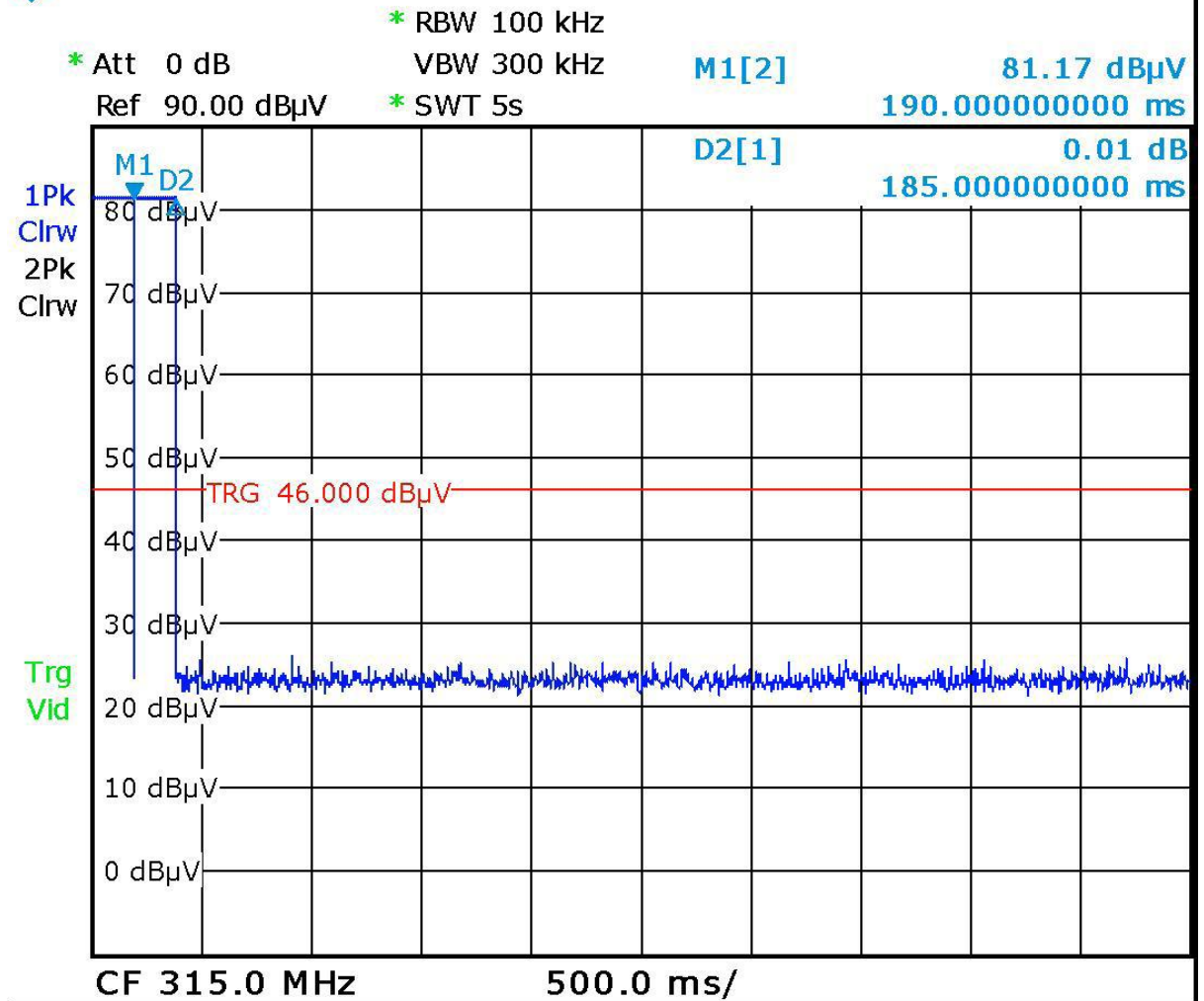
M1: release point



M1: release point

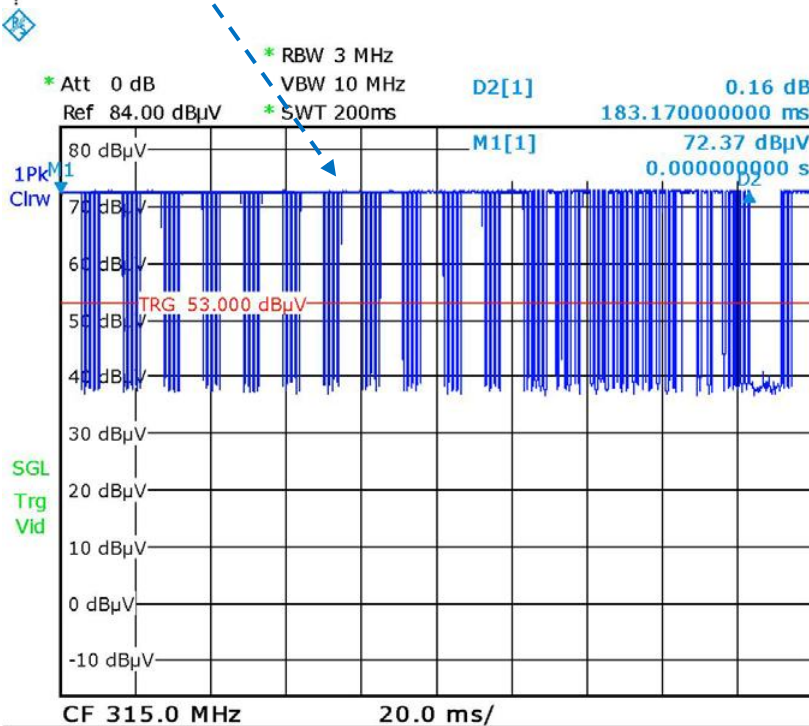
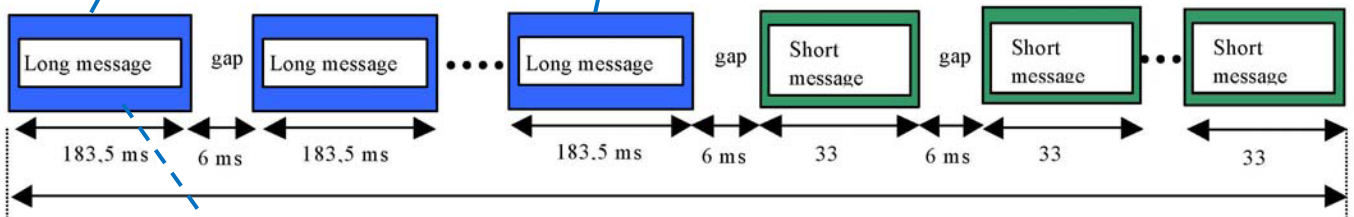
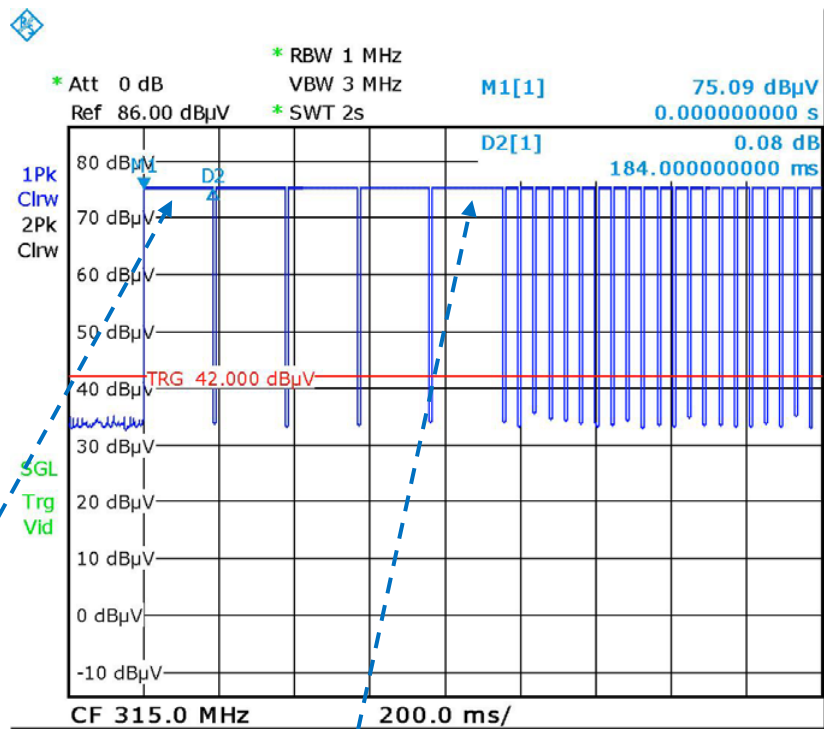


Panic button

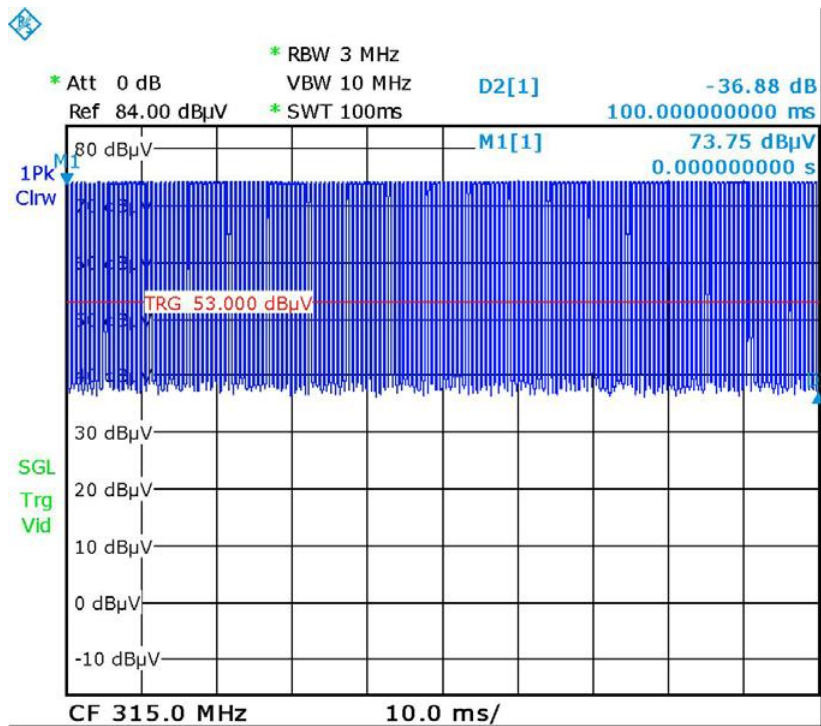


M1: release point

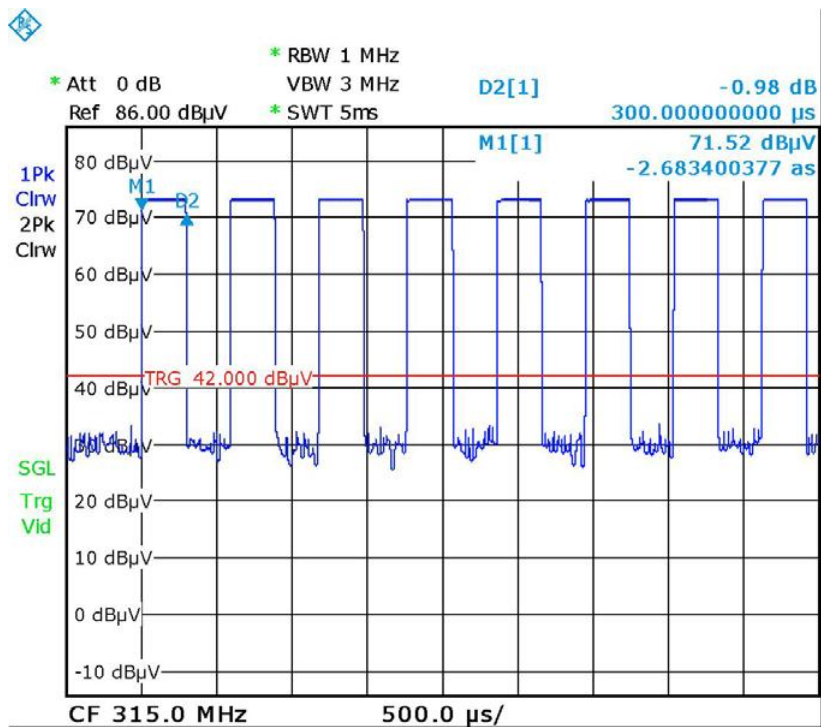
Transmission times (Active entry mode)



Long message = 183.17 ms



Long message = 183.17 ms
Single pulse = 300μs
170 pulses a'300μs = 51 ms

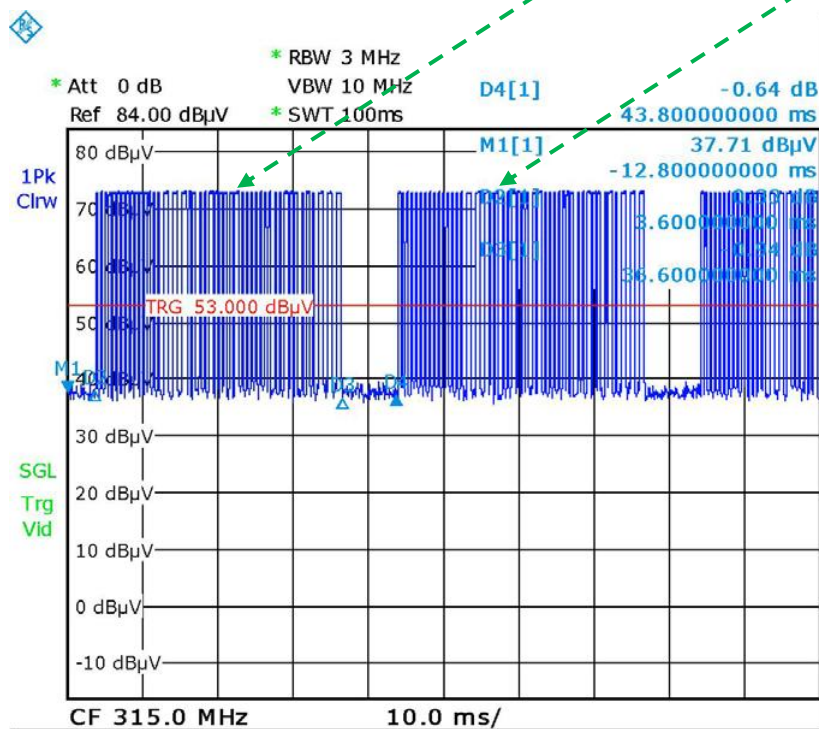
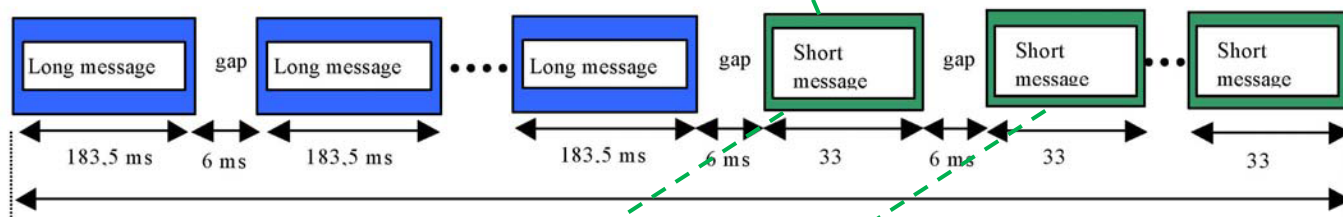
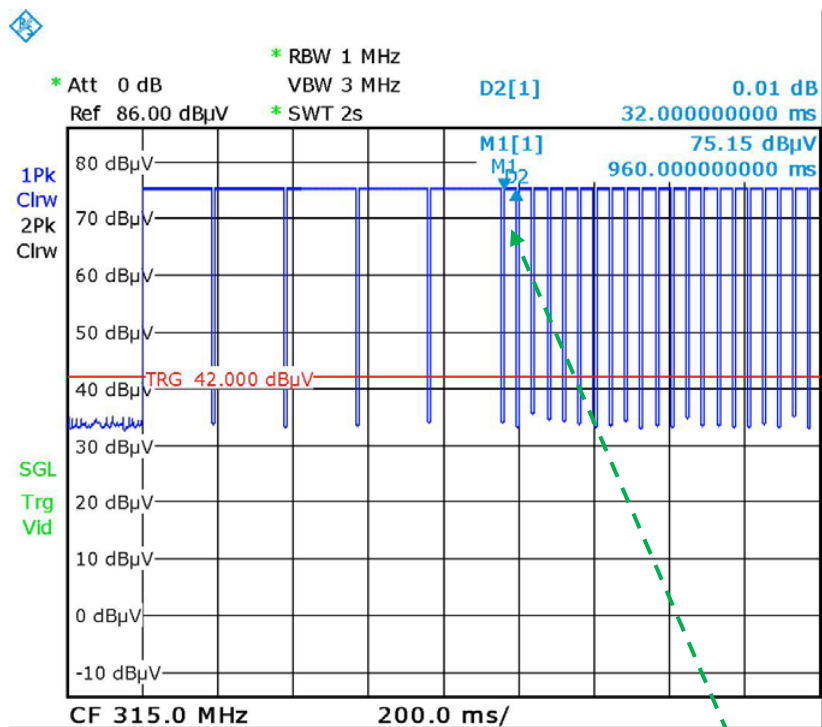


Averaging correction factor:

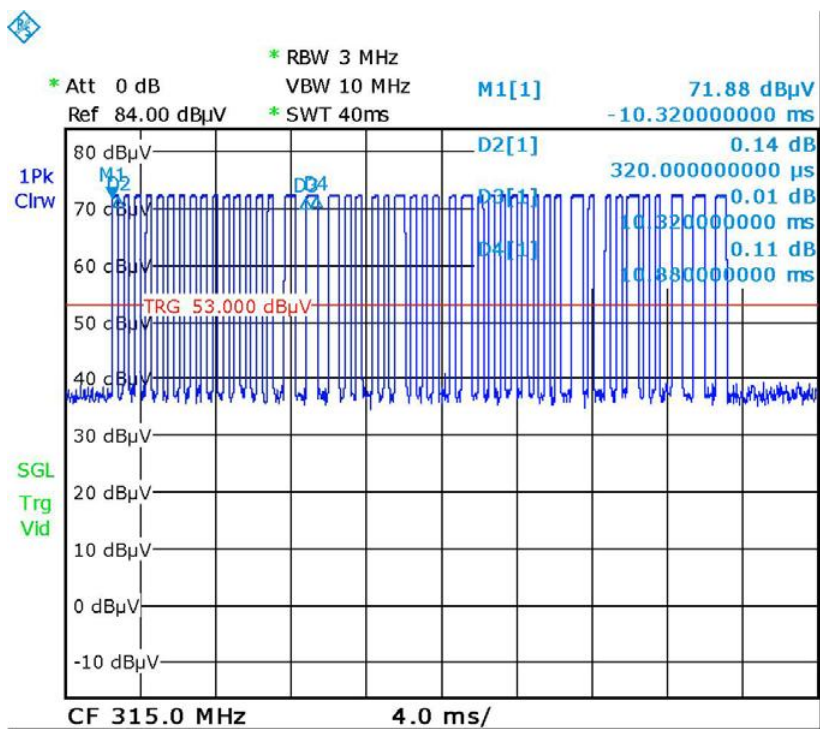
$$20\log (TX_{on}/100ms) =$$

$$20\log (51ms/100ms) = -5.85 \text{ dB}$$

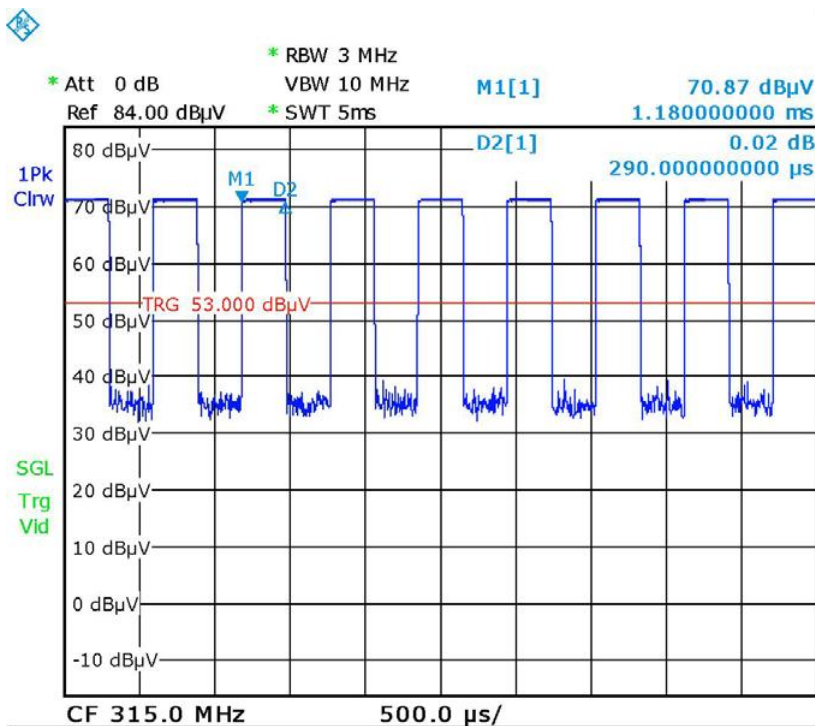
Short message



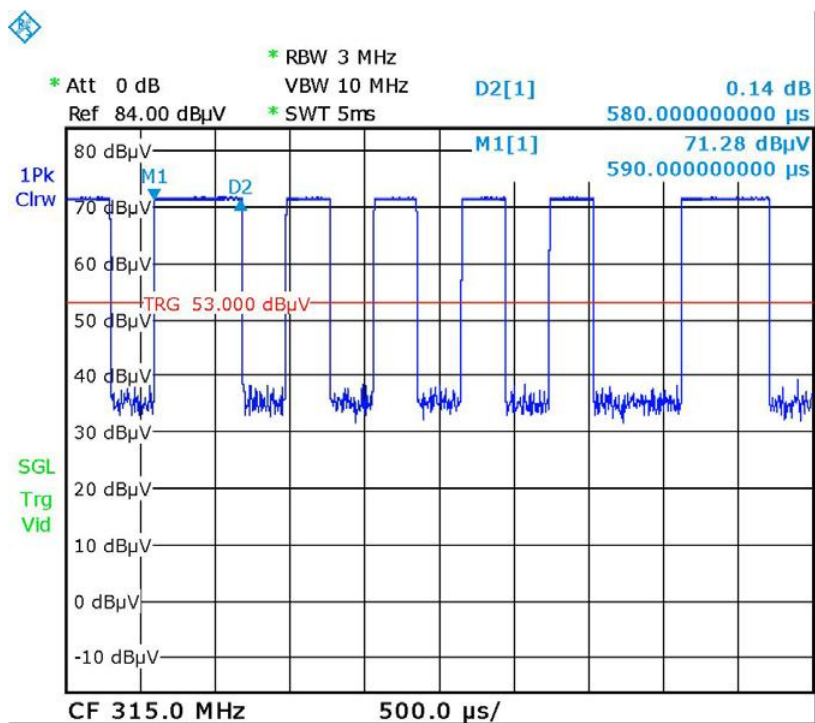
Short message = 33.0 ms



One short message
 with
 37 type 1 pulses
 and
 10 type 2 pulses



Type 1 pulse = 290 μs



Type 2 pulse = 580 μs

Worst case transmission time in a 100 ms periode:

Short message block 1 = 37 * Type 1 pulse + 10 * Type 2 pulse
 $= 37 * 290 \mu s + 10 * 580 \mu s = 16.53 \text{ ms}$

Short message block 2 = 40 * Type 1 pulse + 9 * Type 2 pulse
 $= 40 * 290 \mu s + 9 * 580 \mu s = 16.82 \text{ ms}$

Short message block 3 = 19 * Type 1 pulse + 4 * Type 2 pulse
 $= 39 * 290 \mu s + 9 * 580 \mu s = 7.83 \text{ ms}$

Total transmission time = 41.18 ms

Averaging correction factor:

$20\log (TX_{on}/100\text{ms}) = 20\log (41.2\text{ms}/100\text{ms}) = -7.70 \text{ dB}$

Worst case, Averaging correction factor:

$20\log (TX_{on}/100\text{ms}) = 20\log (51\text{ms}/100\text{ms}) = \underline{\underline{-5.85 \text{ dB}}}$