

Technical specifications

Working temperature: from -5°C to $+55^{\circ}\text{C}$

Power: CR2032 Lithium battery

Working Frequency: 915,75 MHz

BW > 500 kHz

Modulation: LO.RA.

Spreading Factor: SF=12

CR = 4/5

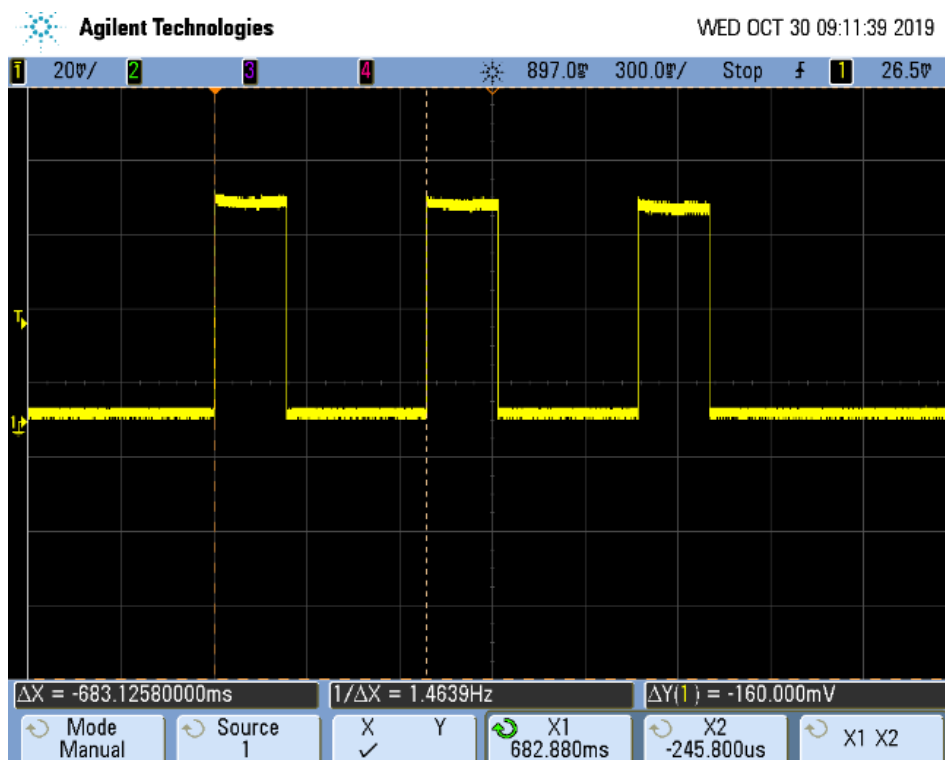
Timings

When the button is pressed one time, ON3ELR/A is in transmission mode for about 231ms.

Then ON3ELR/A goes in reception mode waiting feedback signal (same frequency and modulation).

If the feedback from the associated receiver OXILR/A doesn't arrive the transmitter return in transmission mode another time. At most three transmissions are possible.

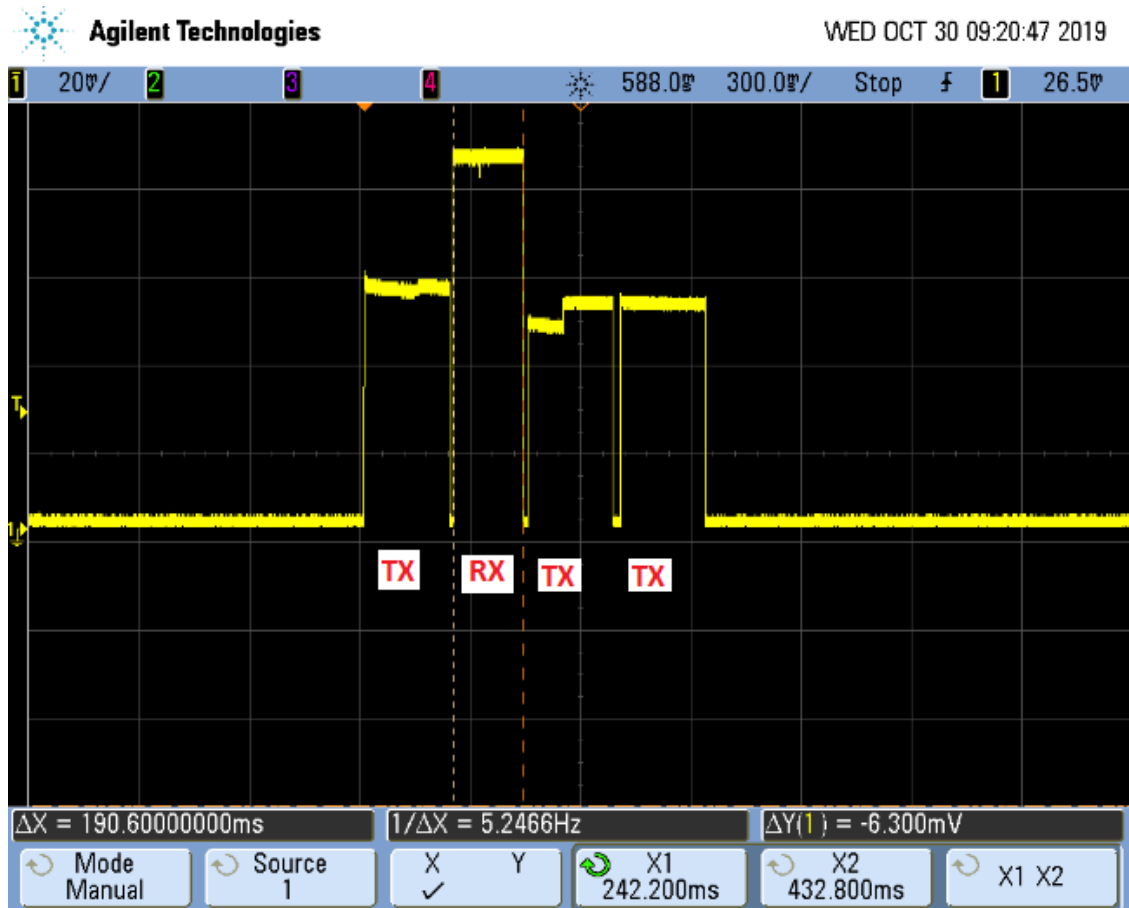
Below the times measured with a diode detector by pressing and releasing the key with the three possible transmission (without feedback).



Receiving the feedback

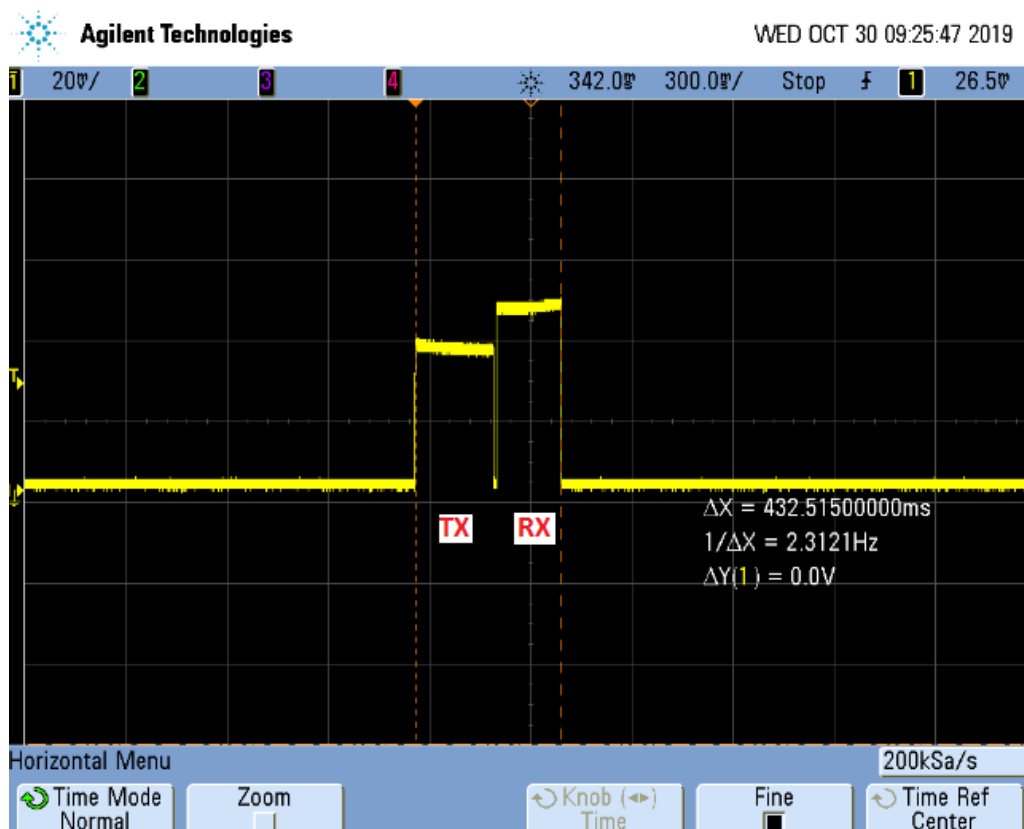
- 1) The feedback arrives after a transmission

To see the feedback packet the receiver antenna is brought close the detector. Feedback packet lasts about 190ms.



Status request

After a status request is sent by ON3LR/A the associated receiver OXILR/A responds to the request in the same manner of a command.



Instructions Manual

For details, please read the annex IS0631A02MM