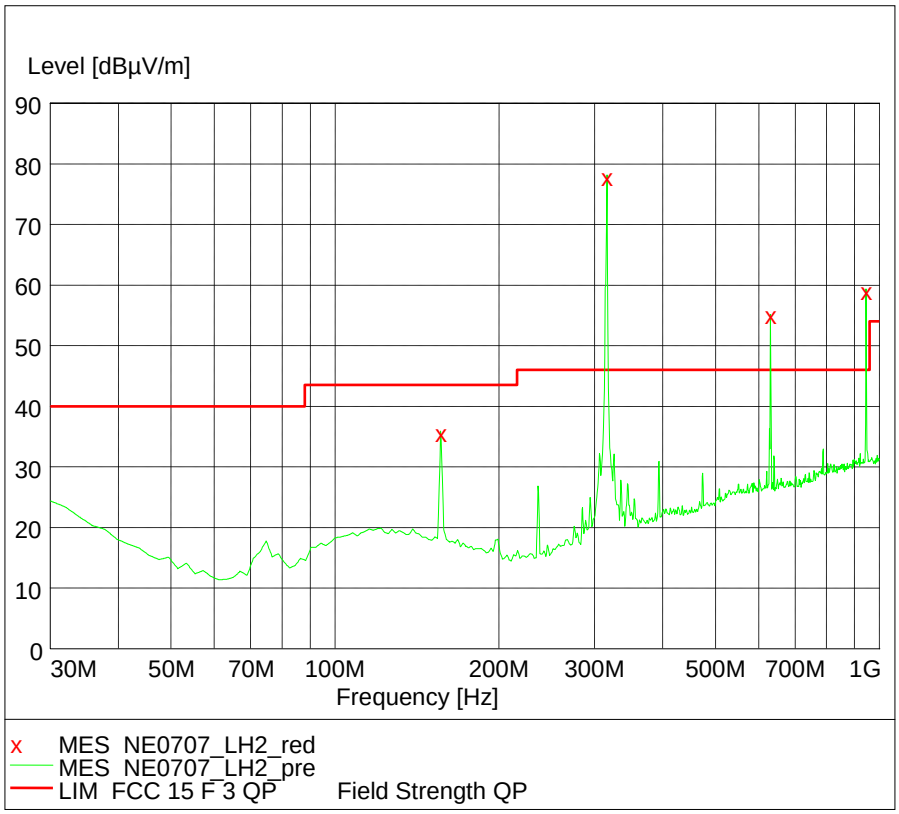
# Test Data

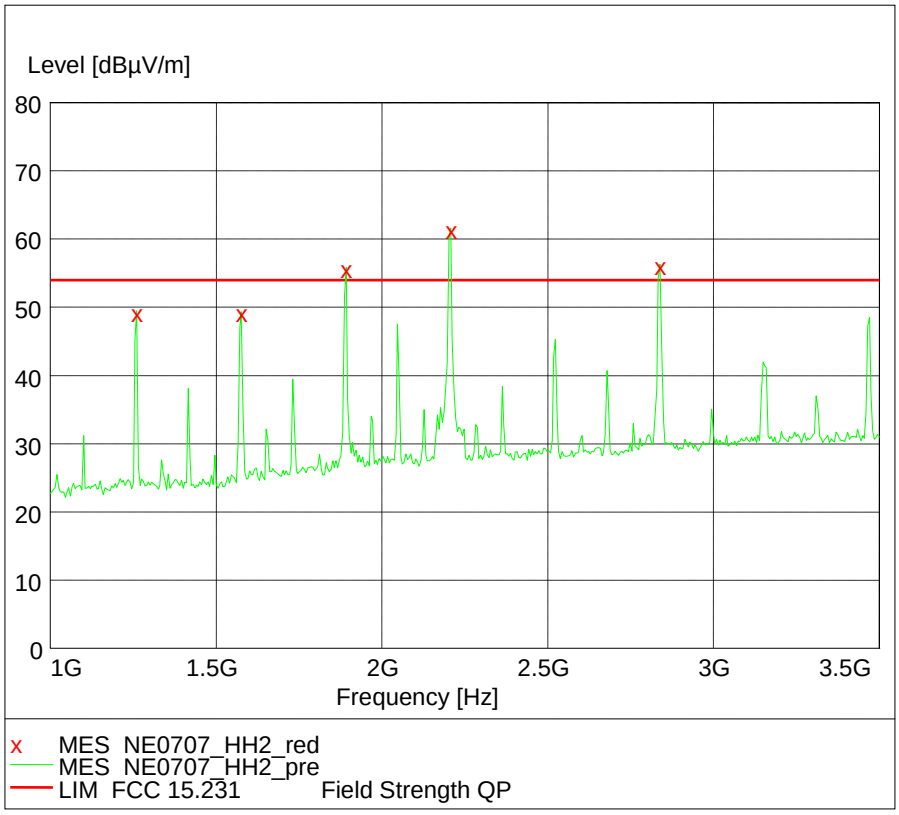
# 1. Fundamental & Spurious Emission & Restrict band radiated emission

Horizontal

30-1000MHz

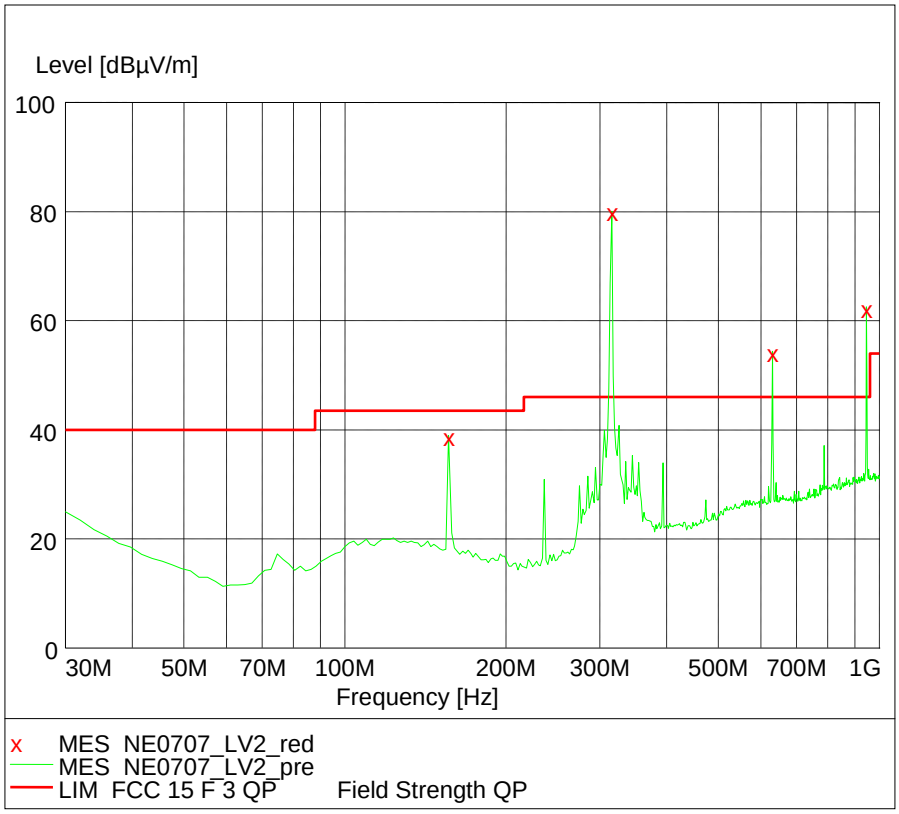


1000-3500MHz

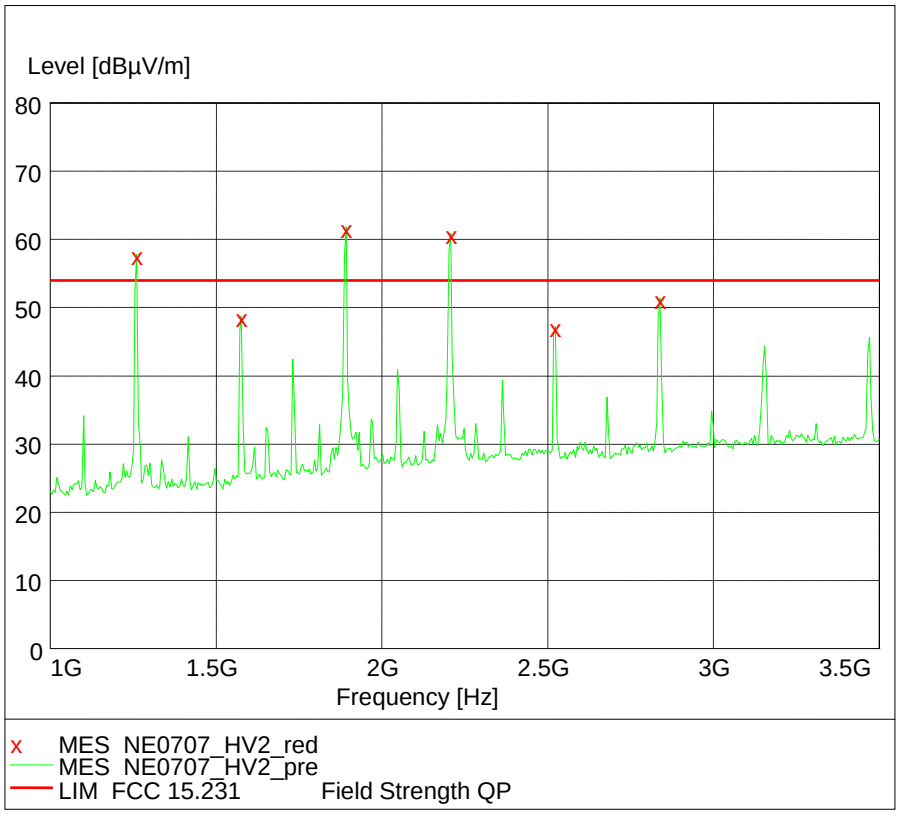


Vertical

30-1000MHz

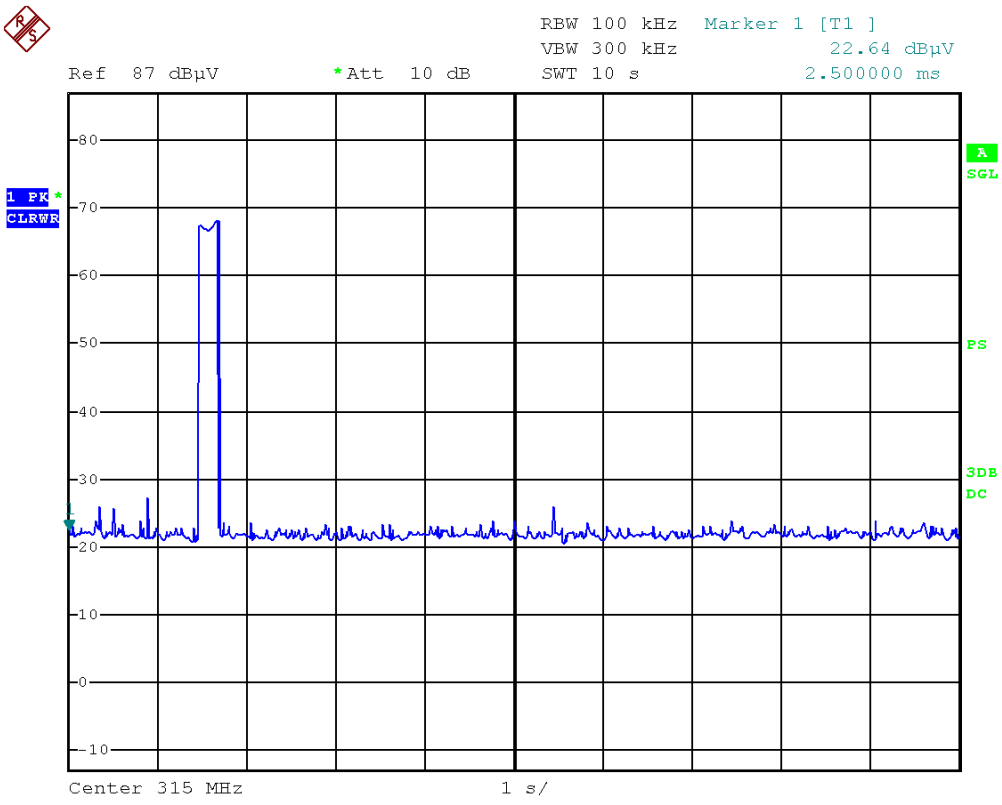


1000-3500MHz



## 2. Deactivating time

Pulse of “ON”

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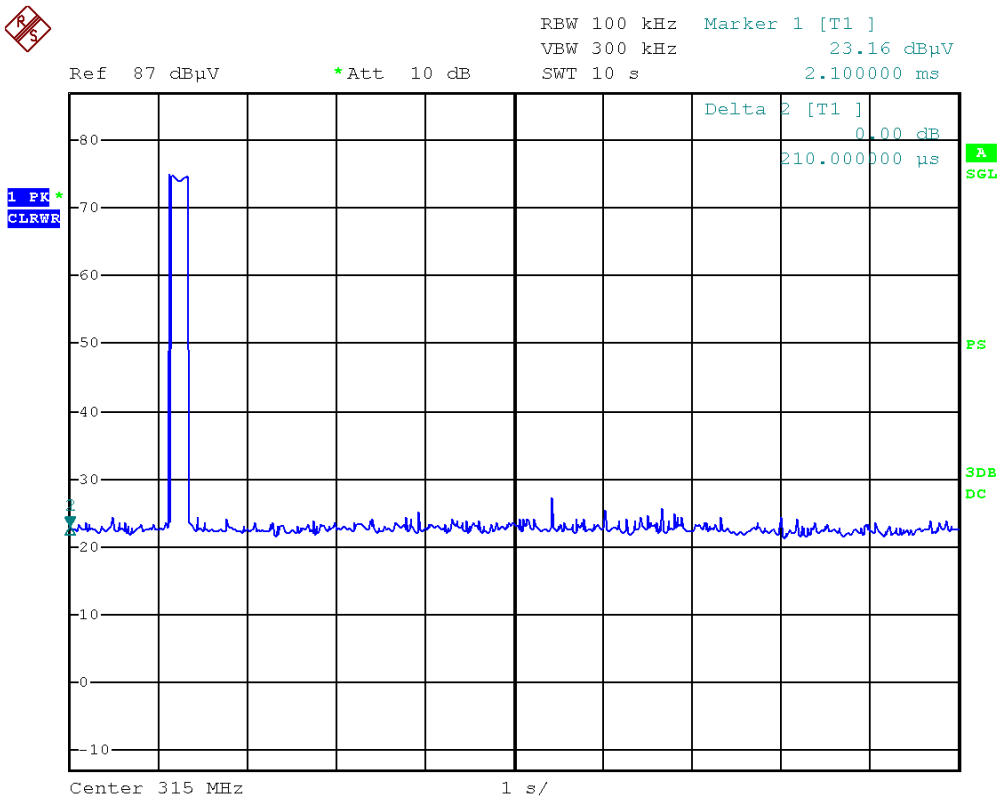
Pulse of “OFF”

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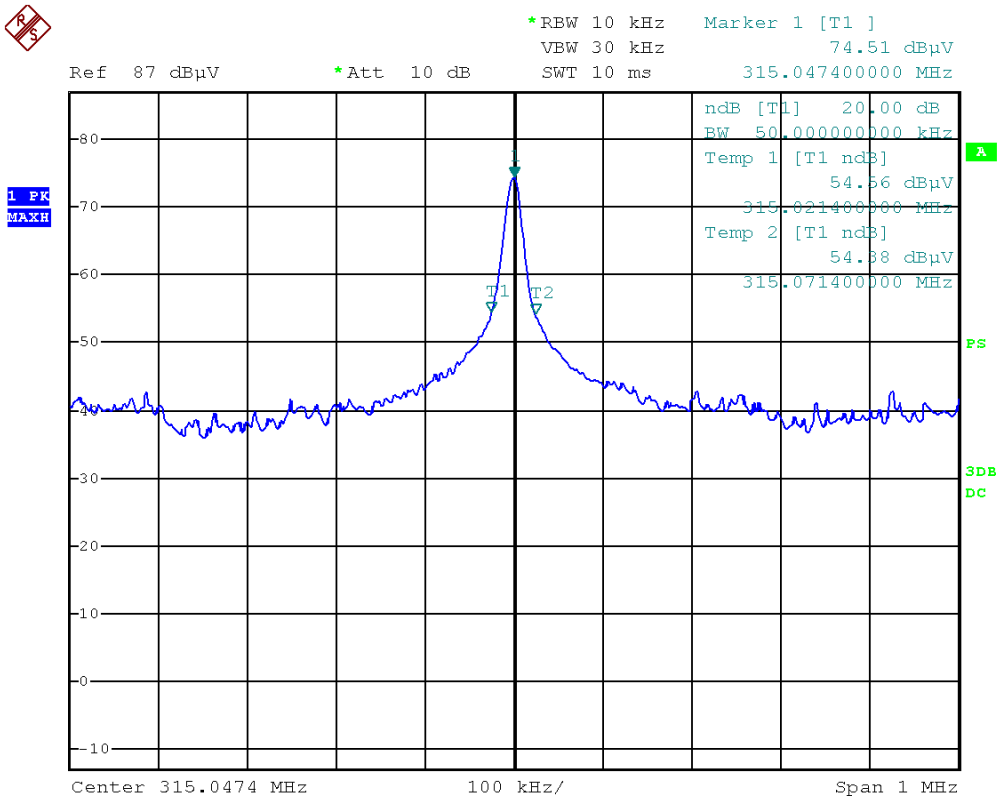
## 3. Emission bandwidth

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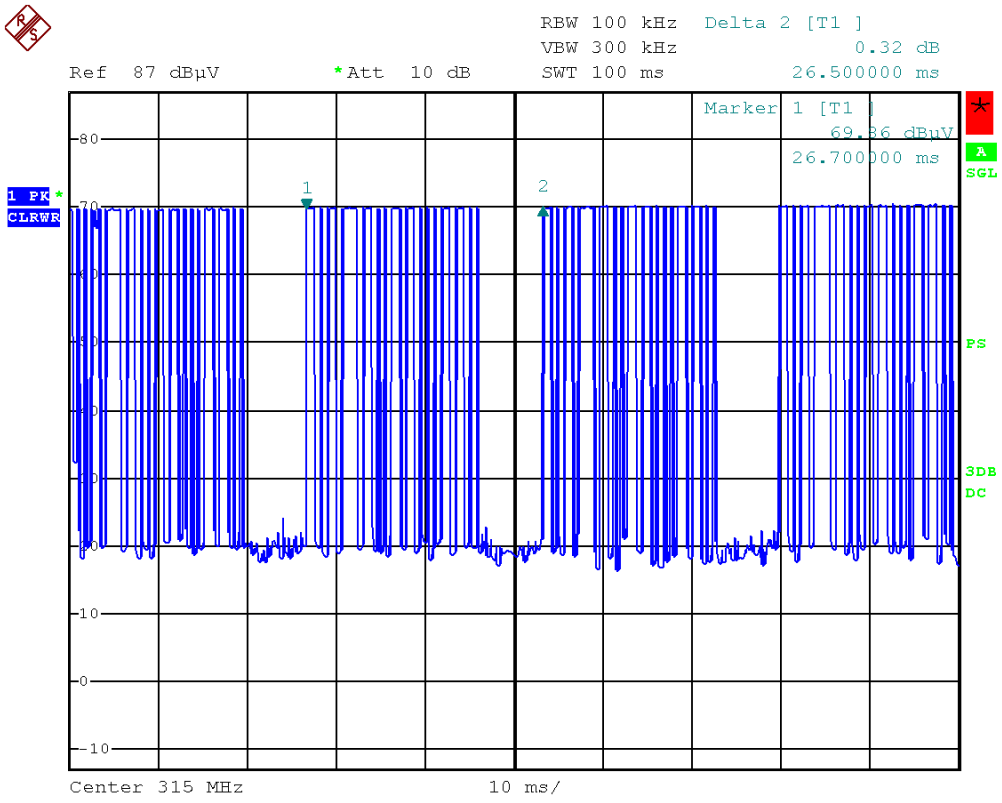
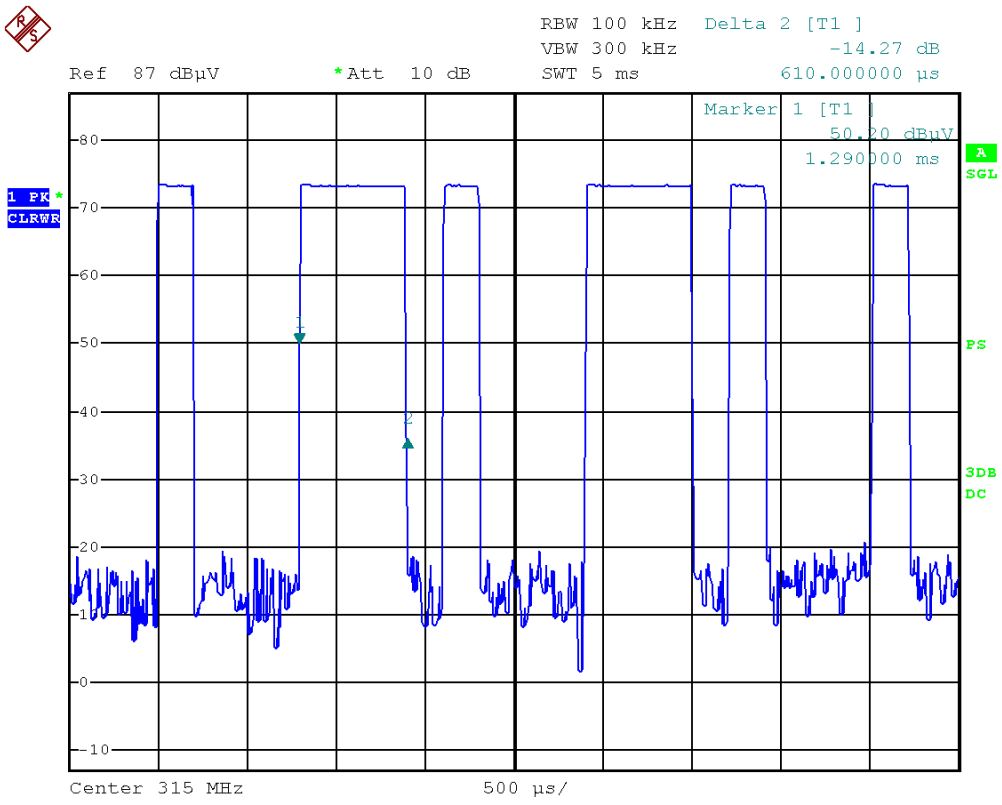
Emission bandwidth = 50.00 kHz

# 1. Duty Cycle

Pulse Train of “ON”



Long Pulse

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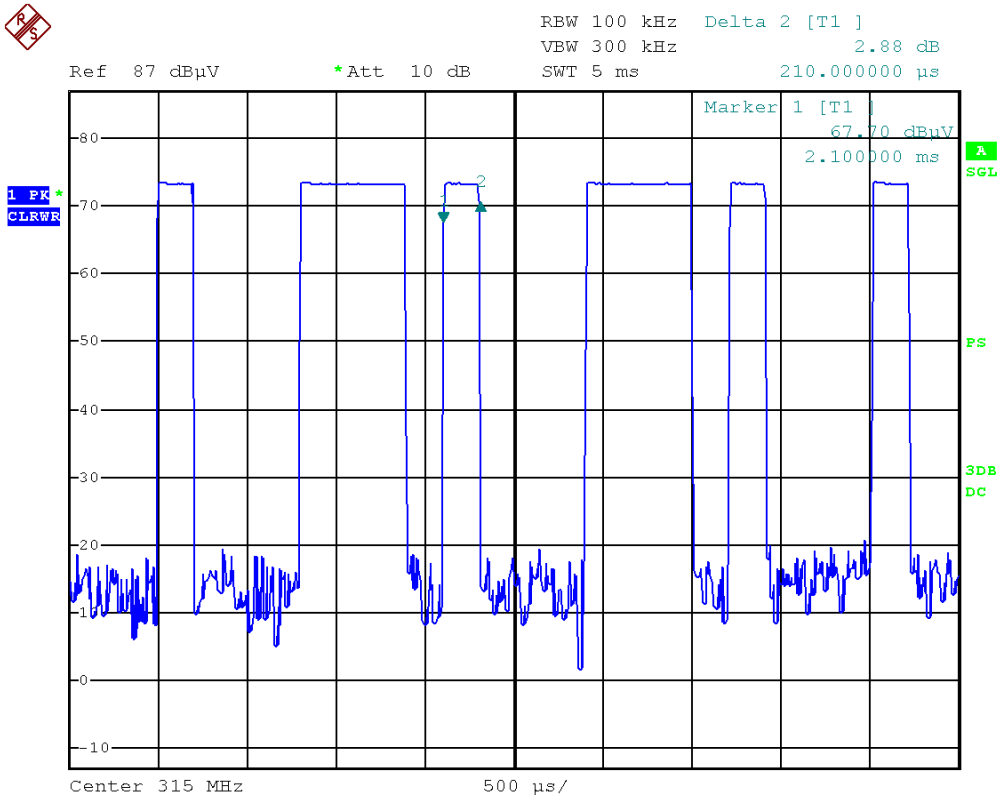
Short Pulse



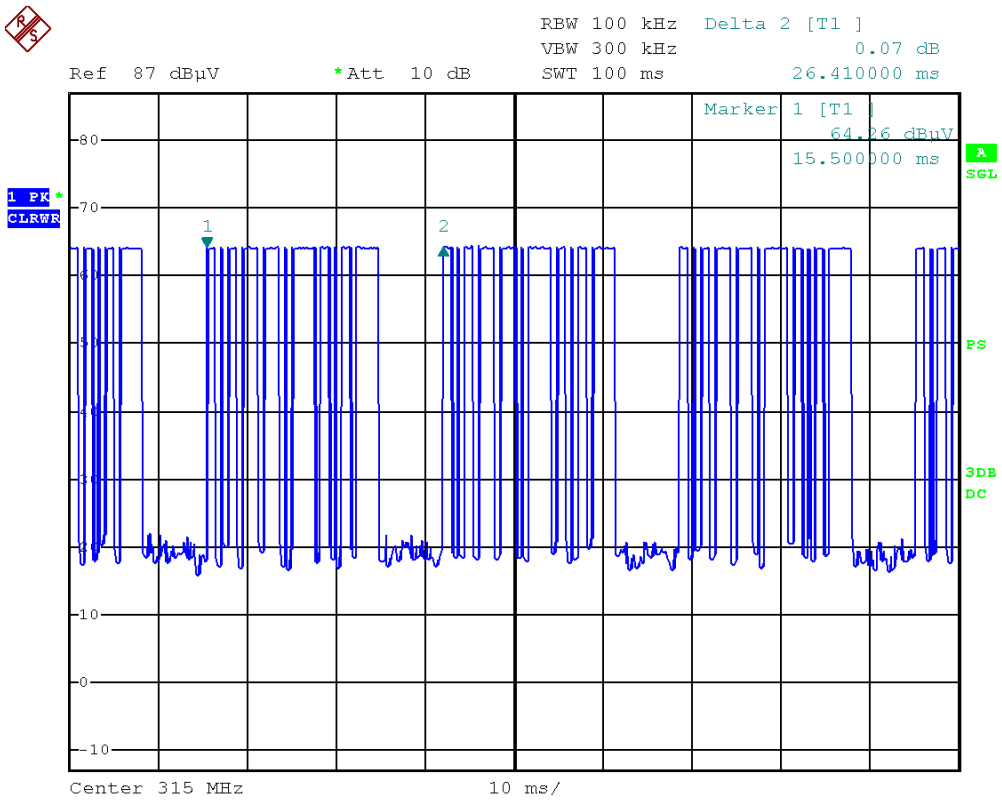

The coding have 10 long pulse and 15 short pulse.

Duty cycle= (10*0.610+15*0.210)/26.5=0.3491

**As a result, the duty cycle of 0.3491 is taken into calculation.**

Duty cycle correction factor =20 log (Ton/T)= 20 log 0.3491= -9.14dB

Pulse Train of "OFF"

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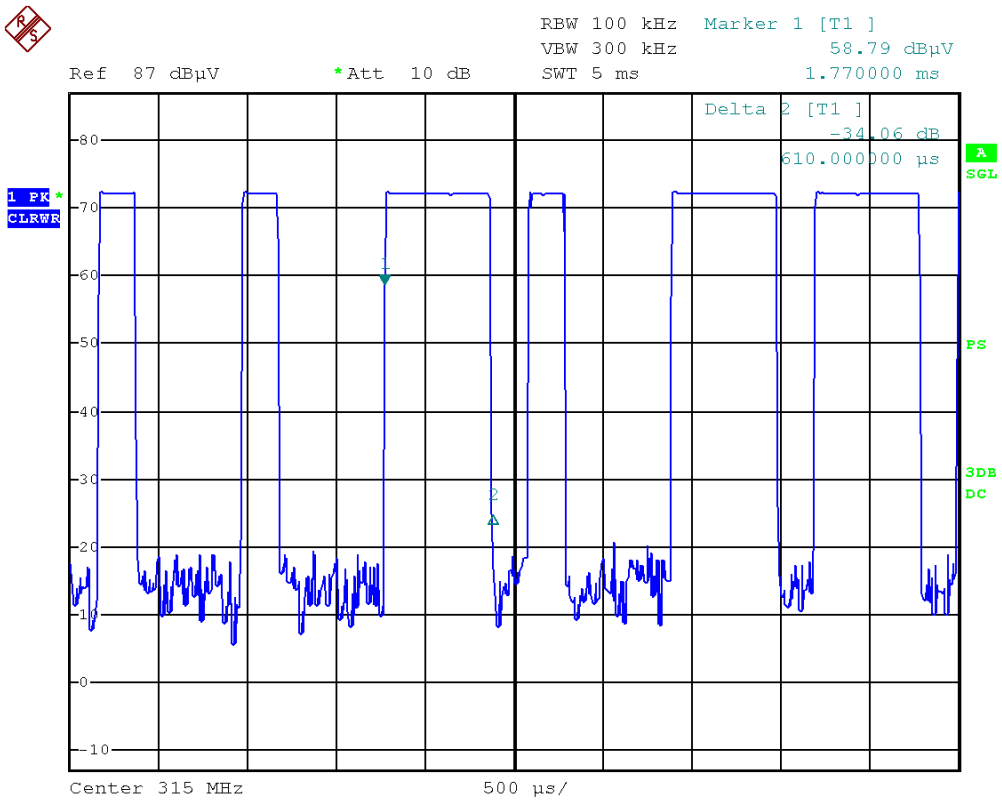
Long Pulse

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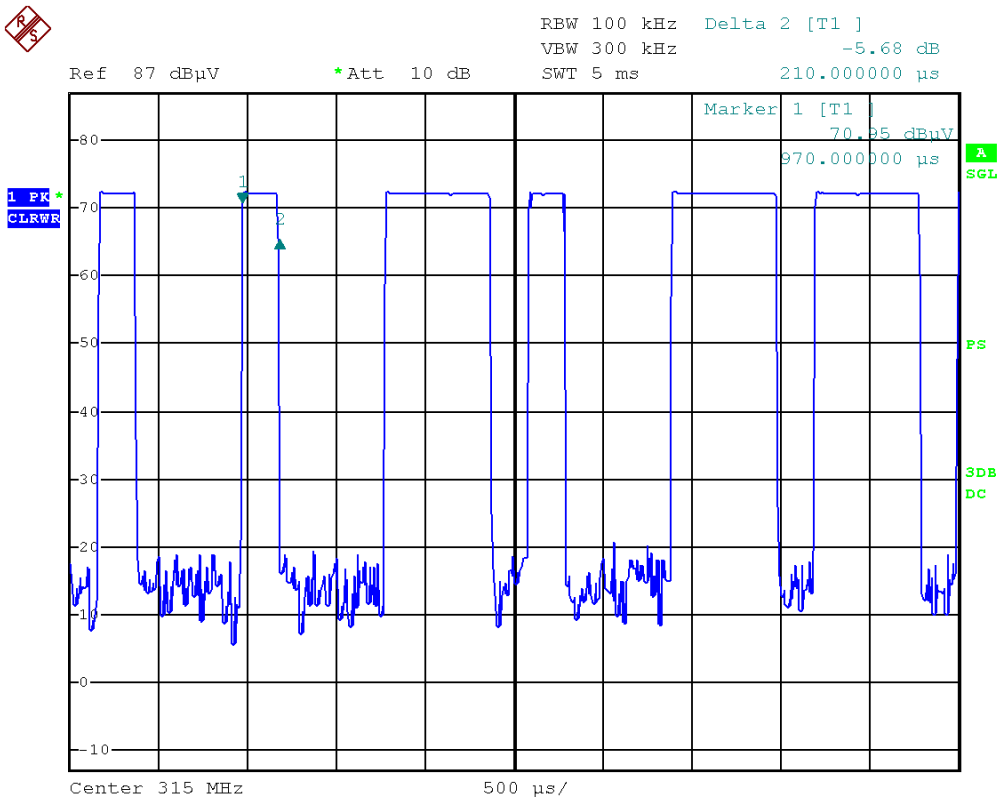
Short Pulse




The coding have 13 long pulse and 12 short pulse.

Duty cycle= (13*0.610+12*0.210)/26.41=0.3957

**As a result, the duty cycle of 0.3957 is taken into calculation.**

Duty cycle correction factor =20 log (Ton/T)= 20 log 0.3957= -8.05dB