

Registration number: W6M20607-7160-C-1
FCC ID: ELVNTFD

3.9 Duty Cycle

The correction factor, based on the channel dwell time in a 100ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the measured value.

Average Reading = Peak Reading (dBuV/m) + Duty Cycle Correction

Duty Cycle Correction = $20 \log(\text{Cycle})$

In order to determine the Duty Cycle, the EUT is measured as:

Testing Mode	T period (ms)	T on (ms)	Duty Cycle (%) (Ton/Tp)*100%	Duty Cycle Correction $20 \cdot \log(\text{Duty Cycle})$
Mode1	100	40.21	40.21	-7.91

Remarks: see attached diagram.

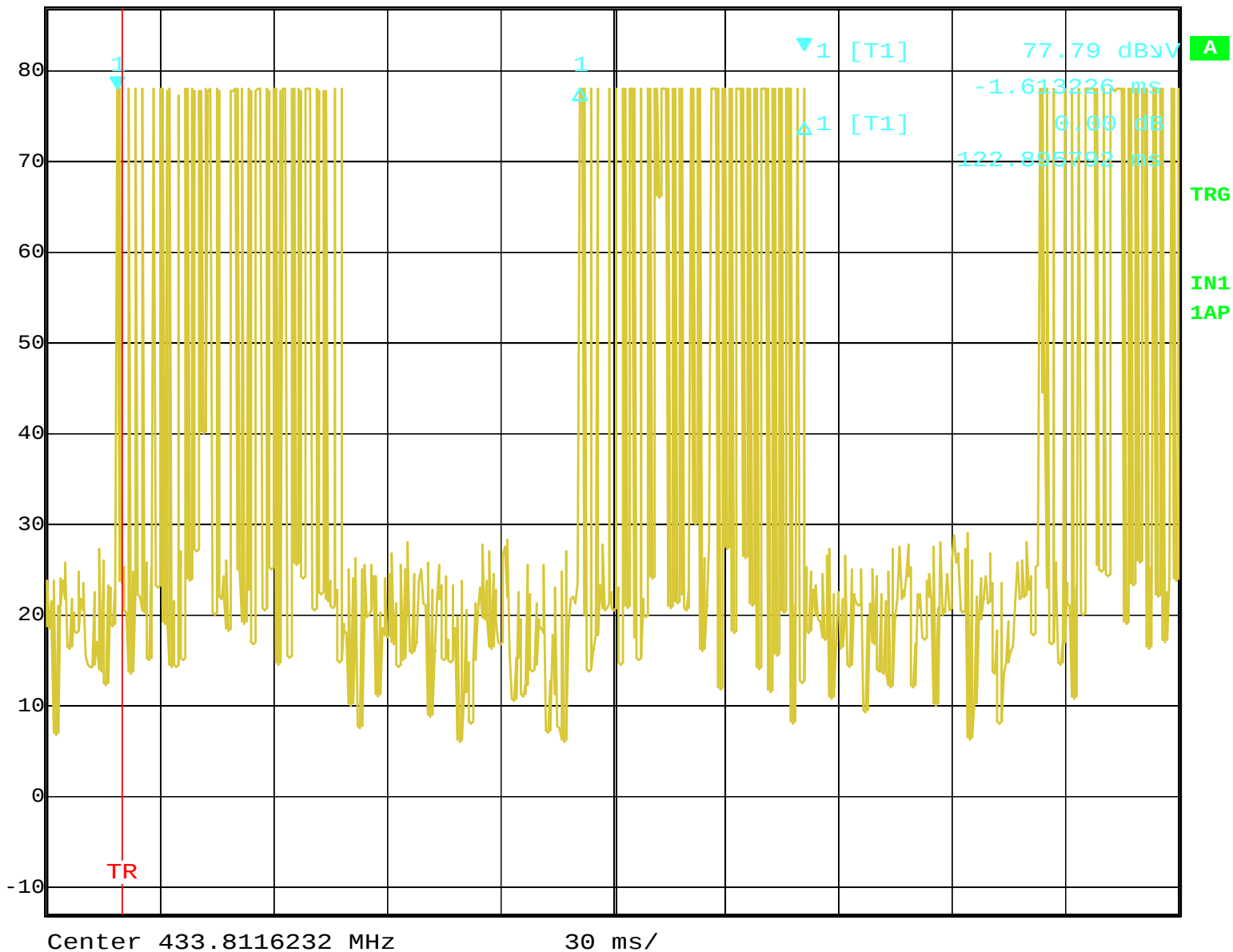
Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 055, ETSTW-RE 049



Ref Lvl
87 dBμV

Marker 1 [T1]
77.79 dBμV
-1.613226 ms

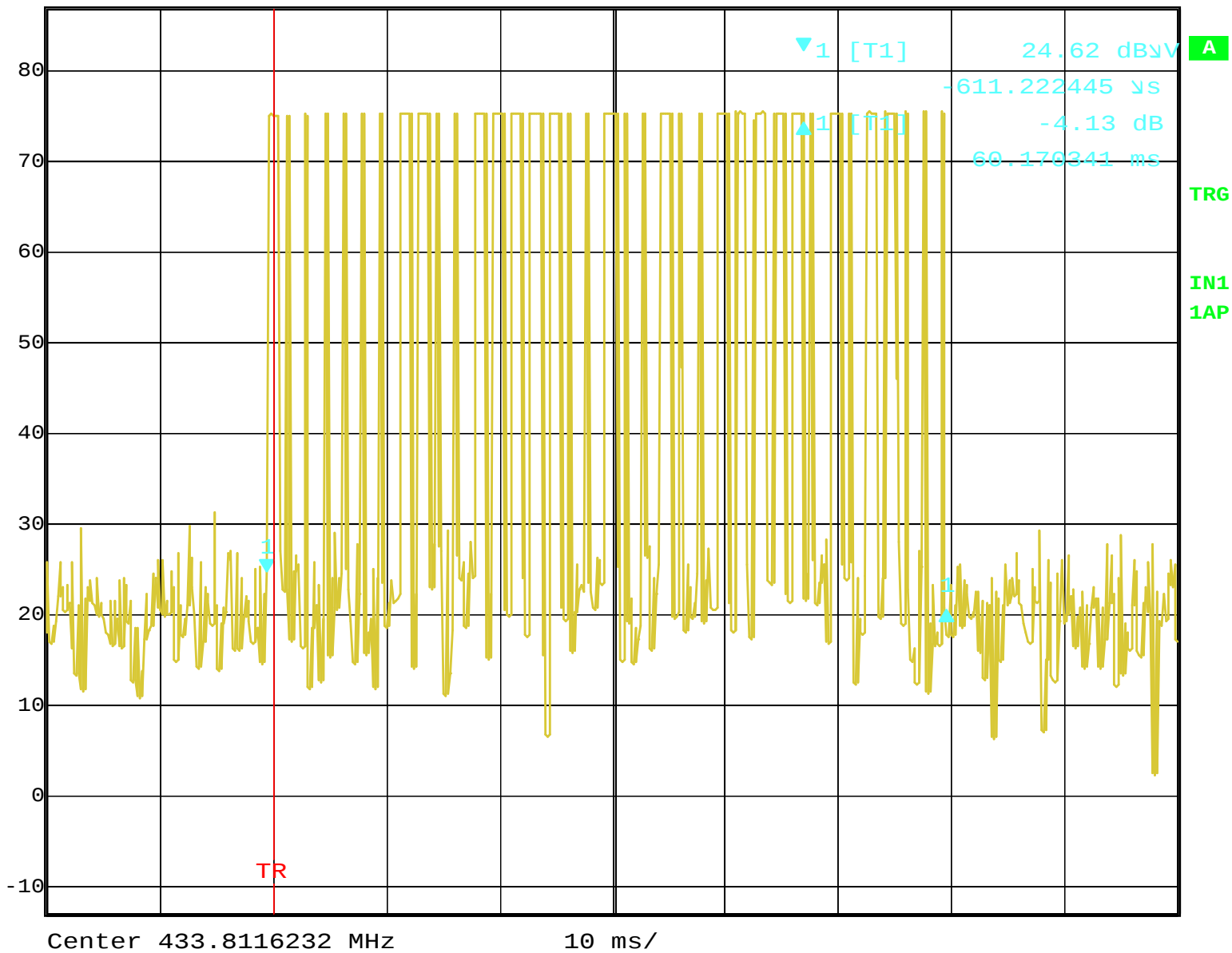
RBW 1 MHz RF Att 10 dB
VBW 1 MHz
SWT 300 ms Unit dBμV



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Ref Lvl 87 dBμV Delta 1 [T1] -4.13 dB 60.170341 ms RBW 1 MHz RF Att 10 dB
VBW 1 MHz Unit dBμV
SWT 100 ms



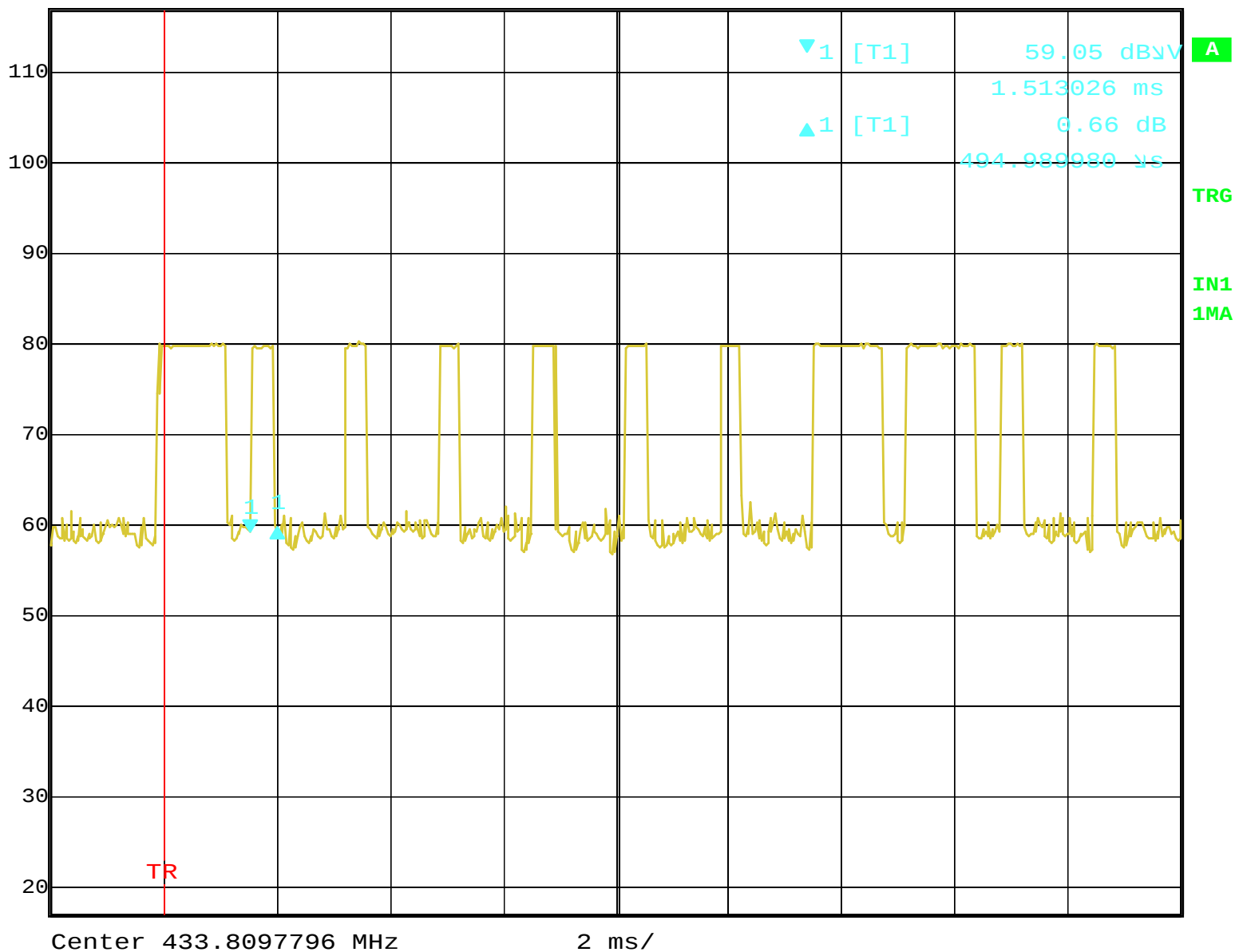
Date: 21.JUL.2006 10:58:19



Ref Lvl
117 dBμV

Delta 1 [T1]
0.66 dB
494.989980 μs

RBW 1 MHz RF Att 40 dB
VBW 1 MHz
SWT 20 ms Unit dBμV



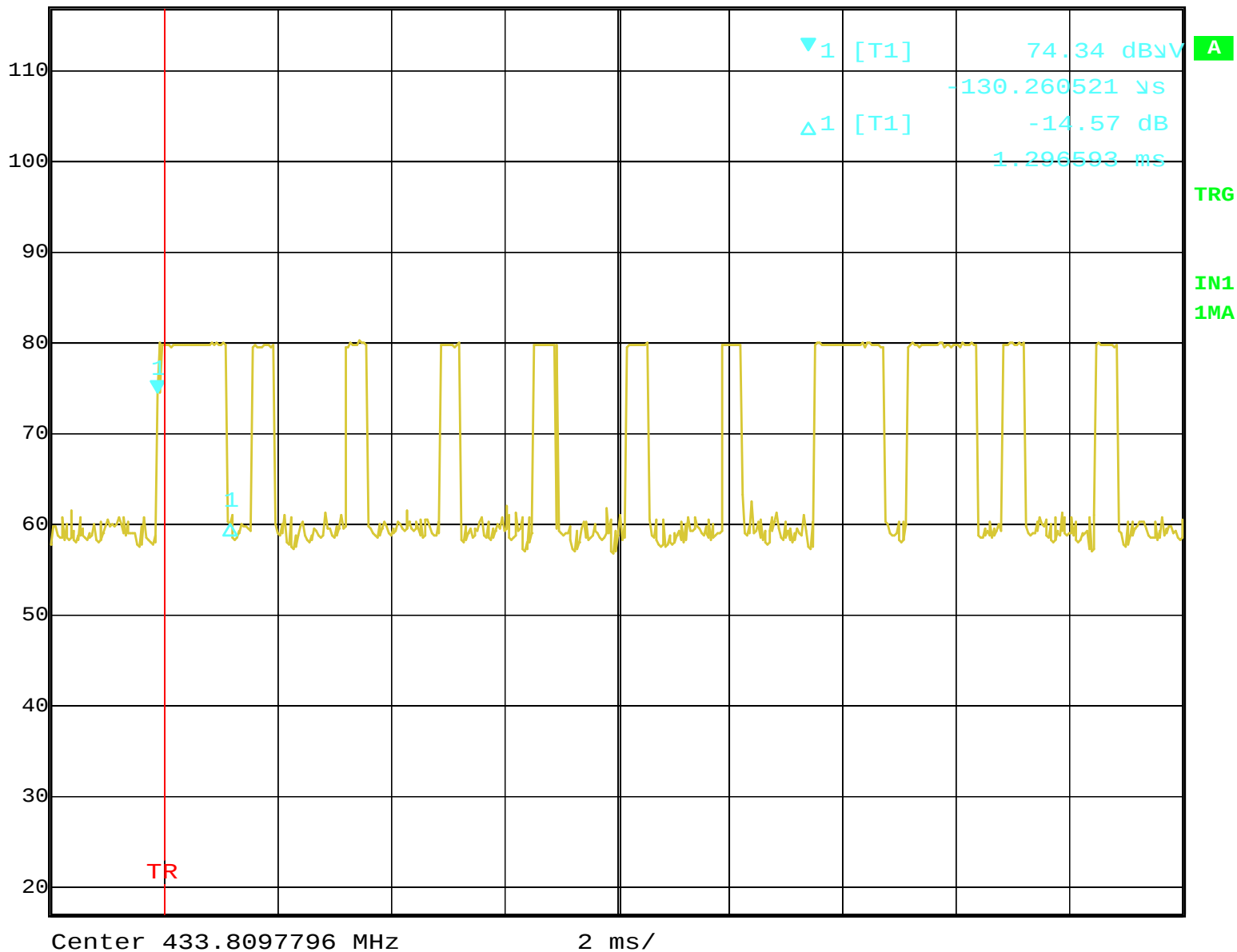
Date: 21.JUL.2006 11:51:00



Ref Lvl
117 dBμV

Marker 1 [T1]
74.34 dBμV
-130.260521 μs

RBW 1 MHz RF Att 40 dB
VBW 1 MHz
SWT 20 ms Unit dBμV



Date: 21.JUL.2006 11:50:28