

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 $20*\log(\text{Duty Cycle})$
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



Marker 1 [T1]

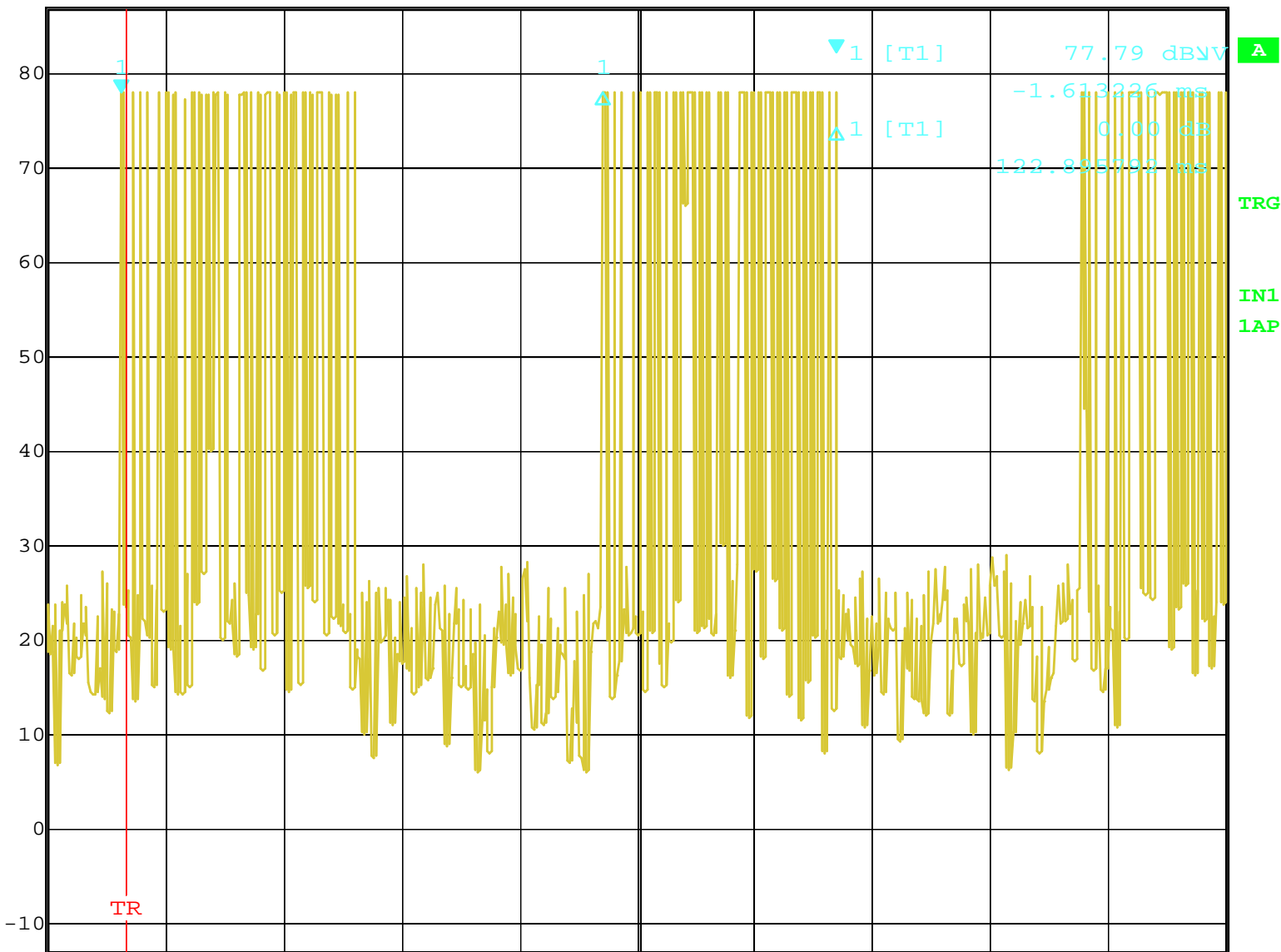
RBW 1 MHz RF Att 10 dB

Ref Lvl 77.79 dBV

VBW 1 MHz

87 dBV -1.613226 ms

SWT 300 ms Unit dBV



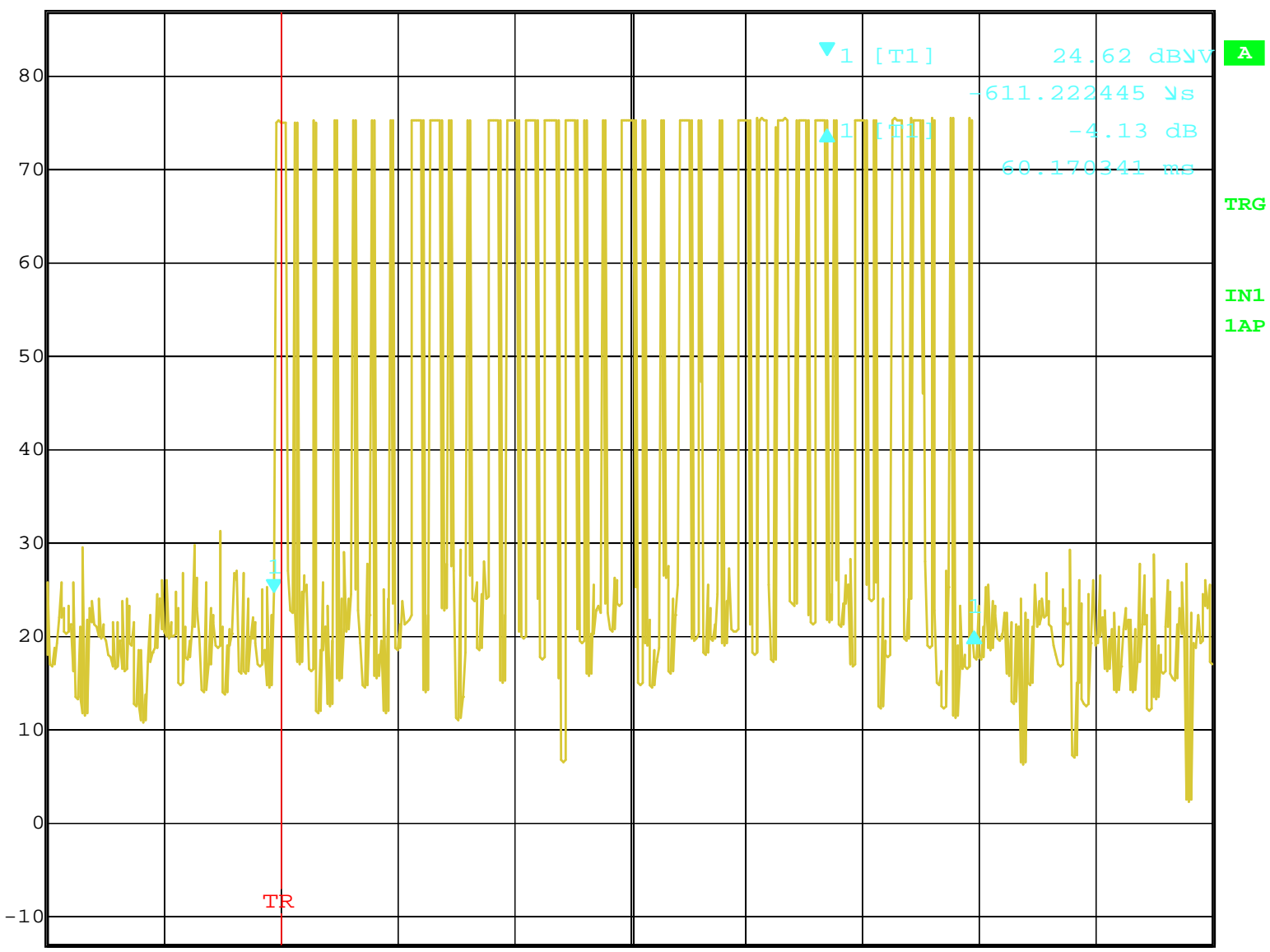
Center 433.8116232 MHz

30 ms/

Date: 21.JUL.2006 10:57:14



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

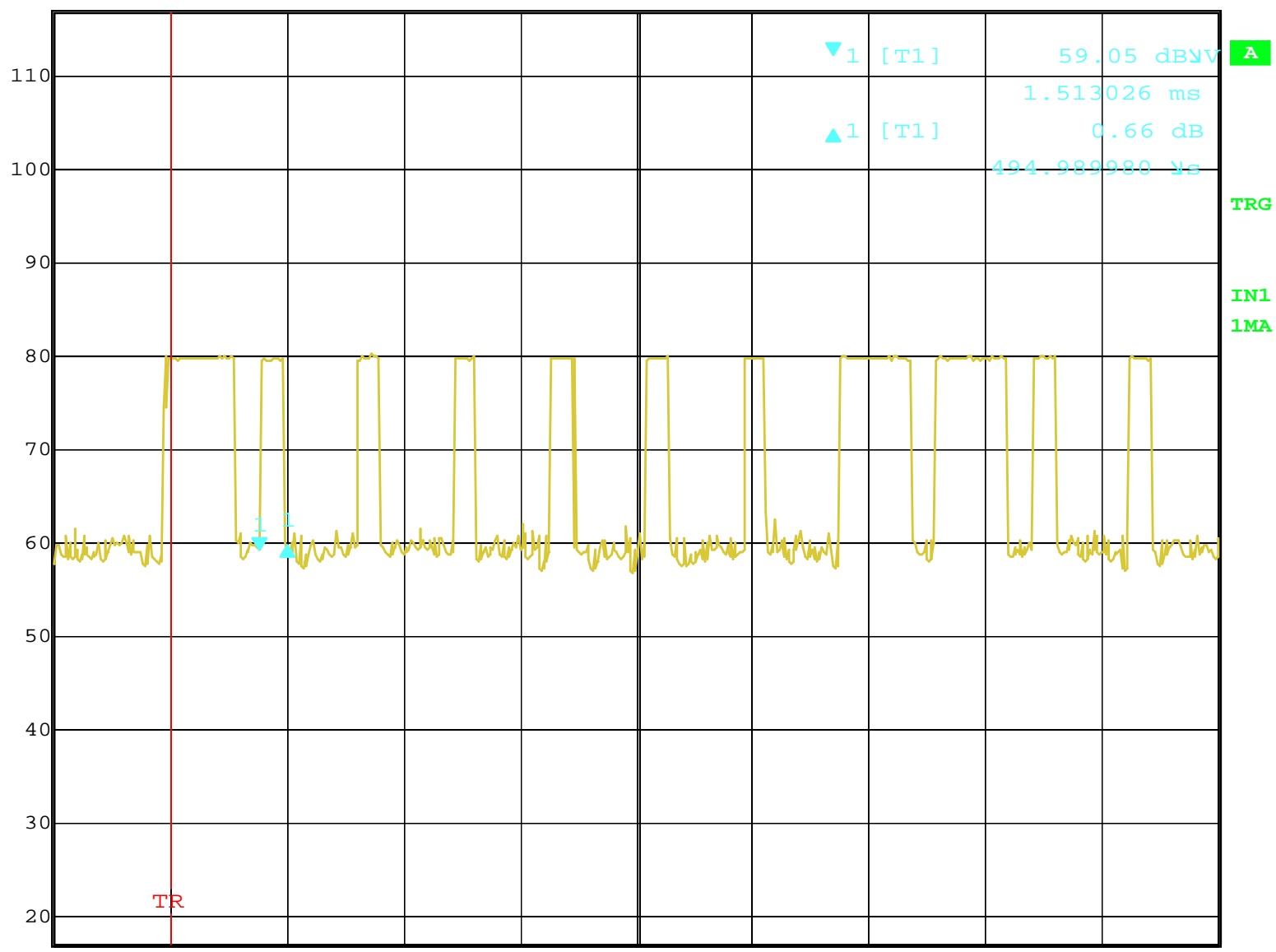


Center 433.8116232 MHz 10 ms/

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



Ref Lvl	Delta 1 [T1]	RBW	1 MHz	RF Att	40 dB
117 dBμV	0.66 dB	VBW	1 MHz		
	494.989980 μs	SWT	20 ms	Unit	dBμV



Center 433.8097796 MHz      2 ms/

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



Marker 1 [T1]

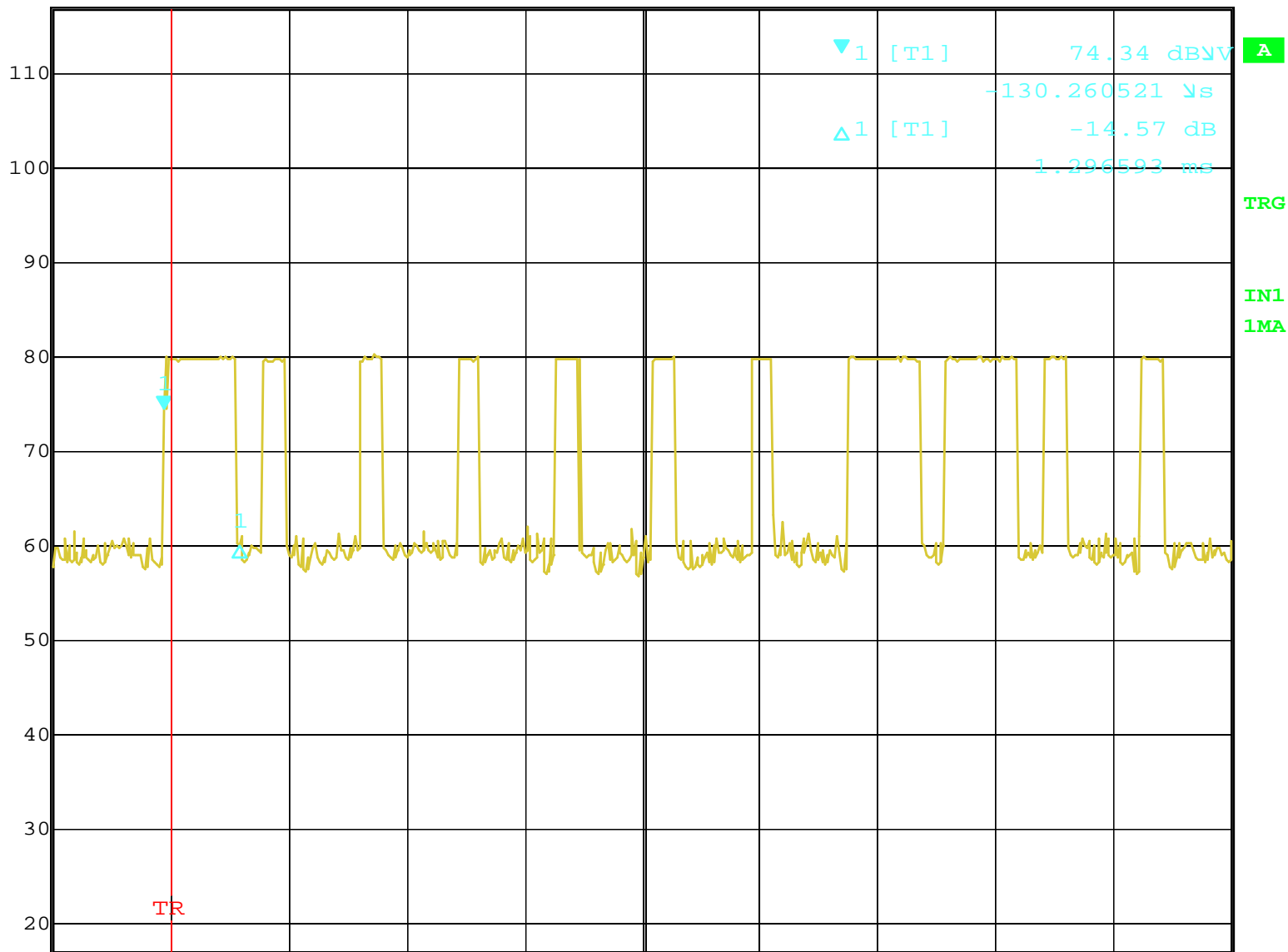
RBW 1 MHz RF Att 40 dB

Ref Lvl 74.34 dBV

VBW 1 MHz

117 dBV -130.260521  $\mu$ s

SWT 20 ms Unit dBV



Center 433.8097796 MHz

2 ms/

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