13 Duty Cycle

13.1 Duty Cycle

Base Unit: 1.000ms x 4 x 10 / 100 ms = 40%
Handset Unit: 1.000ms x 1 x 10 /100 ms = 10%

13.2 Corrected Conducted Output Power

Base Unit			
Channel Plan	**Conducted Output Power (dBm)**	**Duty cycle**	**Corrected Conducted Output Power (mW)**
Low Channel	14.50	40%	11.27
Middle Channel	14.33	40%	10.84
High Channel	13.33	40%	8.612
Handset Unit			
Low Channel	17.17	10%	5.212
Middle Channel	17.50	10%	5.623
High Channel	18.50	10%	7.079

13.3 Duty Cycle Plot

Please see Appendix 6 and Appendix 8 for details.

Appendix 7: Plotted Data for Duty Cycle

Base

ATTEN 10dB   ΔMKR .84dB
RL 92.0dBμV   10dB/   1.000ms

ΔMKR
1.000 ms
.84 dB
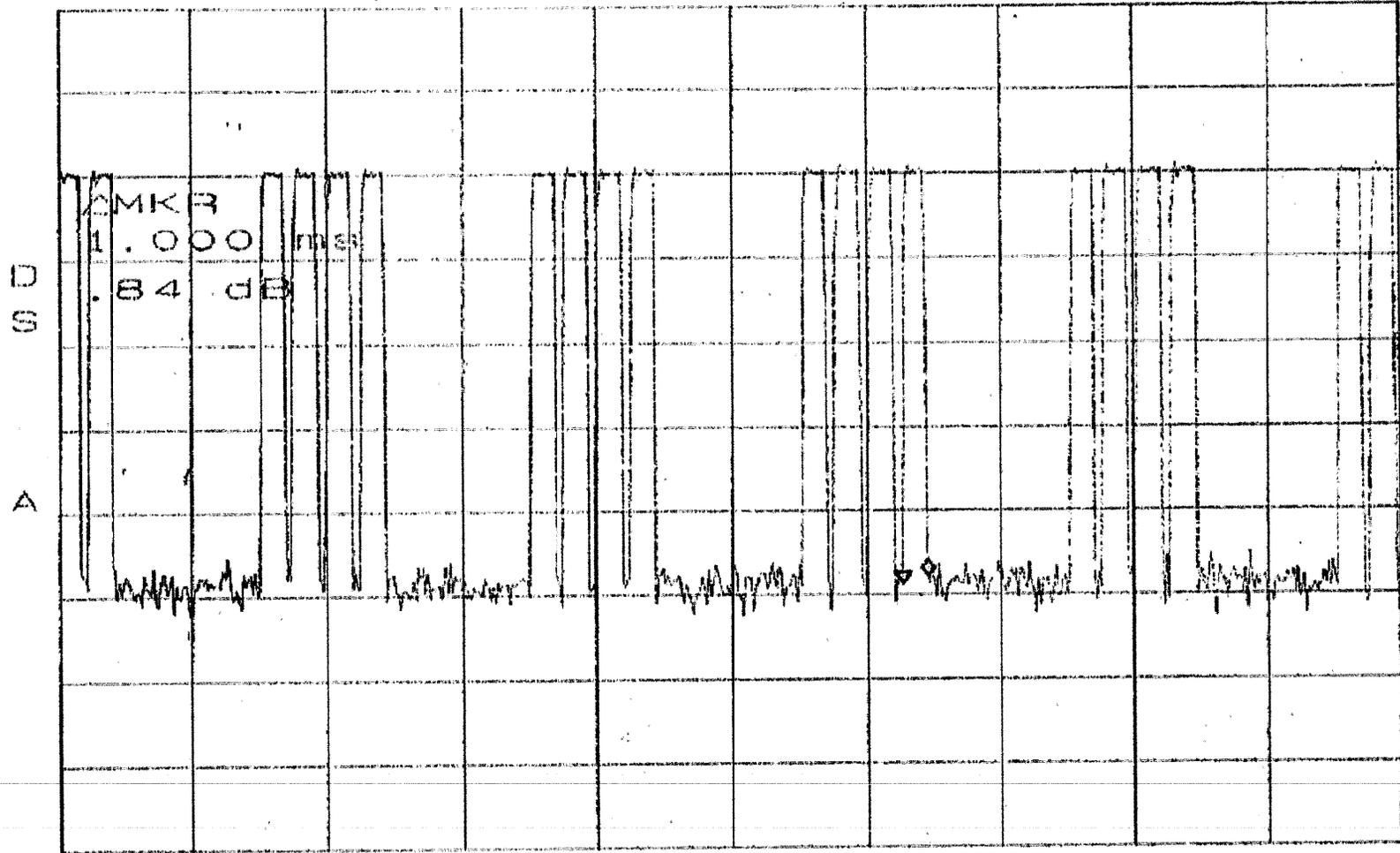
CENTER 2.404583333GHz   SPAN 0Hz
*RBW 100kHz   *VBW 100kHz   *SWP 50.0ms

Base

ATTEN 10dB
RL 92.0dBμV   10dB/

s D
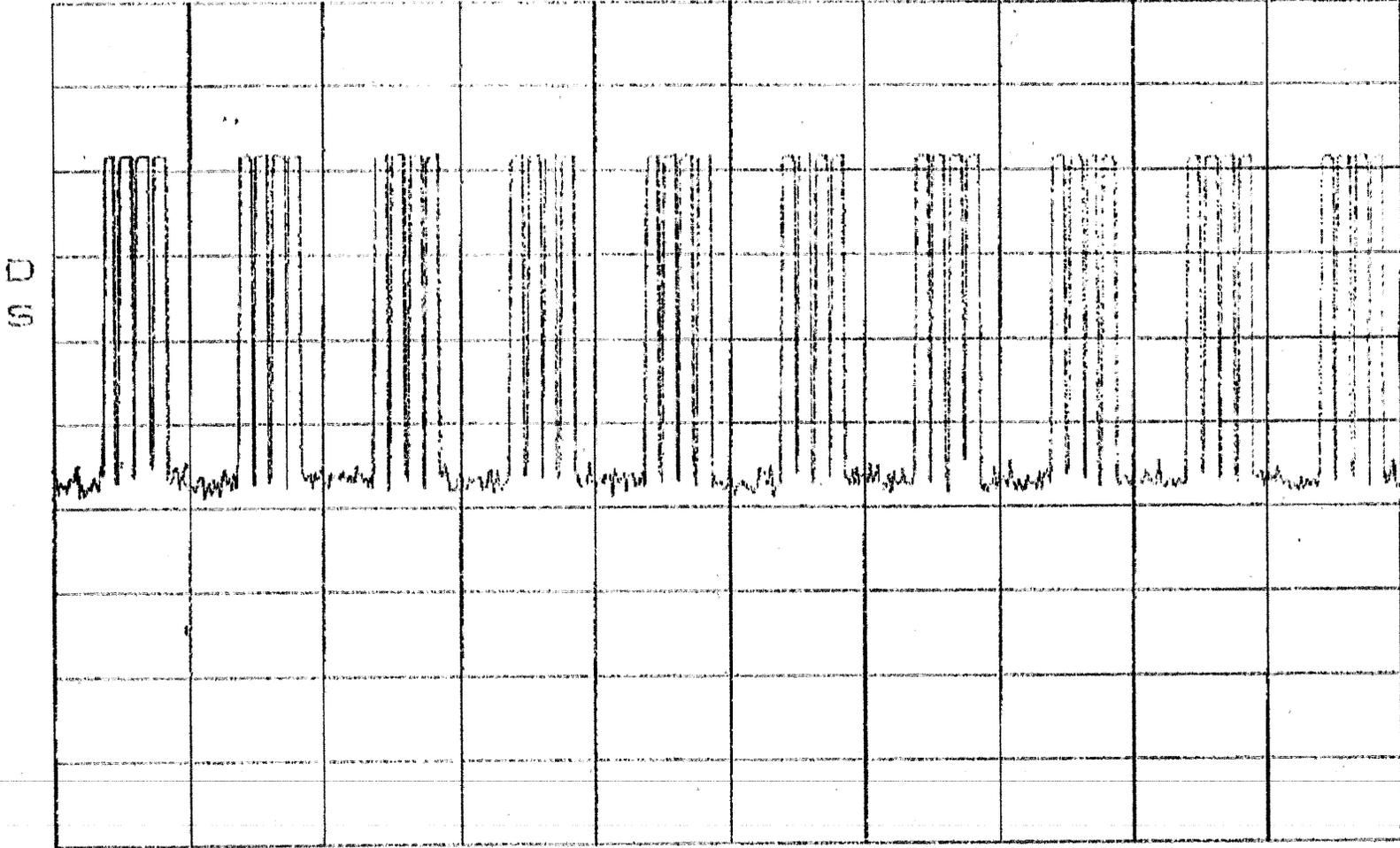
CENTER 2.404583333GHz   SPAN 0Hz
*RBW 1.0MHz   *VBW 1.0MHz   *SWP 100ms

FM:TECOM

01-12-05 10:05 AM   TECOM   886 3 5776854   #7

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Base

ATTEN 10dB   △MKR 2.50dB
RL 92.0dBµV   10dB/   1.000ms
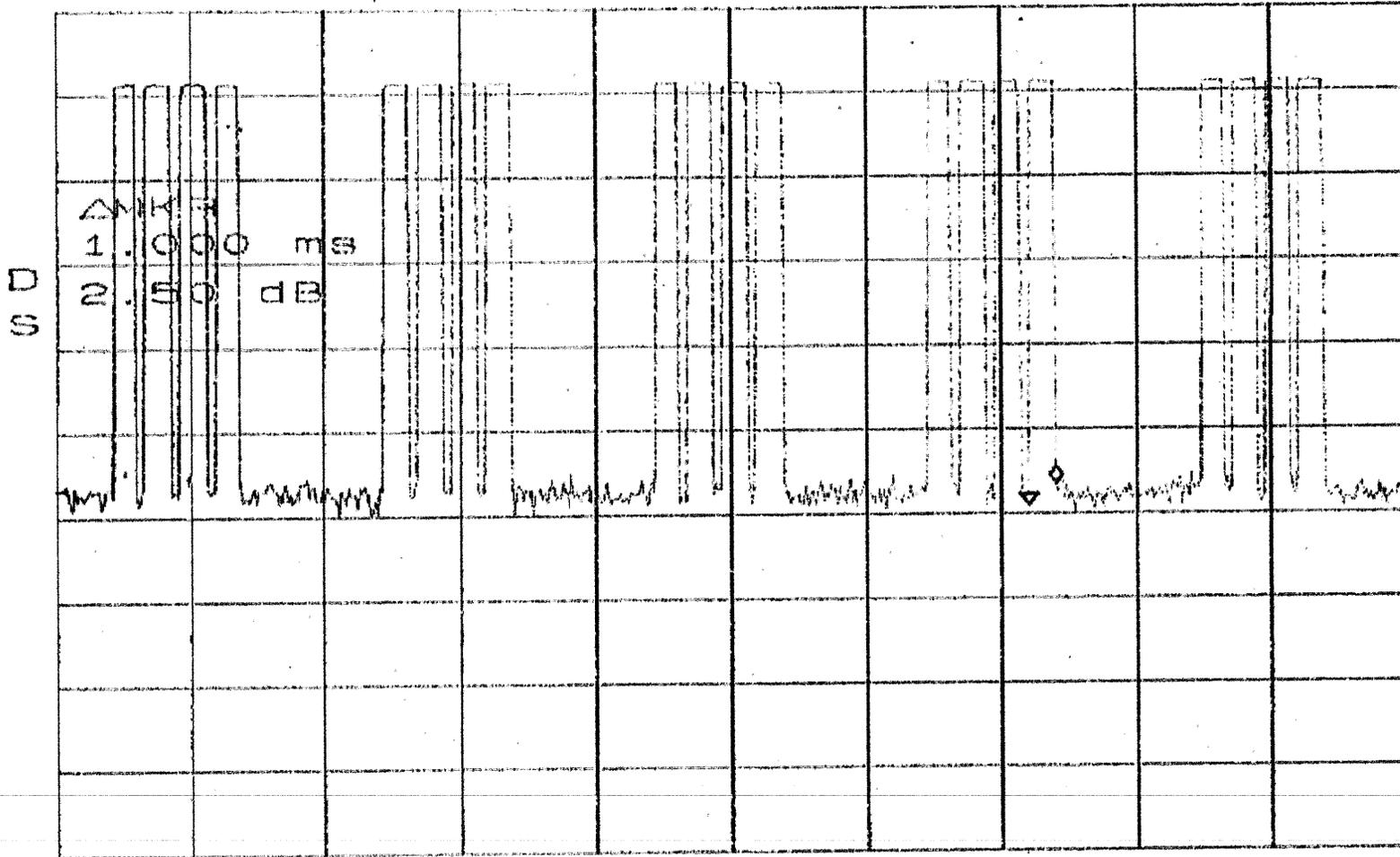
△MKR
1.000 ms
2.50 dB

CENTER 2.437415000GHz   SPAN 0Hz
*RBW 1.0MHz   *VBW 1.0MHz   *SWP 50.0ms

Dase

ATTEN 10dB
RL 92.0dBµV   10dB/

S D

CENTER 2.437415000GHz   SPAN 0HZ
*RBW 1.0MHZ   *VBW 1.0MHZ   *SWP 100ms

01-12-05 10:05 AM   TECOM   886 3 5776854   # 8

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Base

ATTEN 10dB   △MKR .17dB
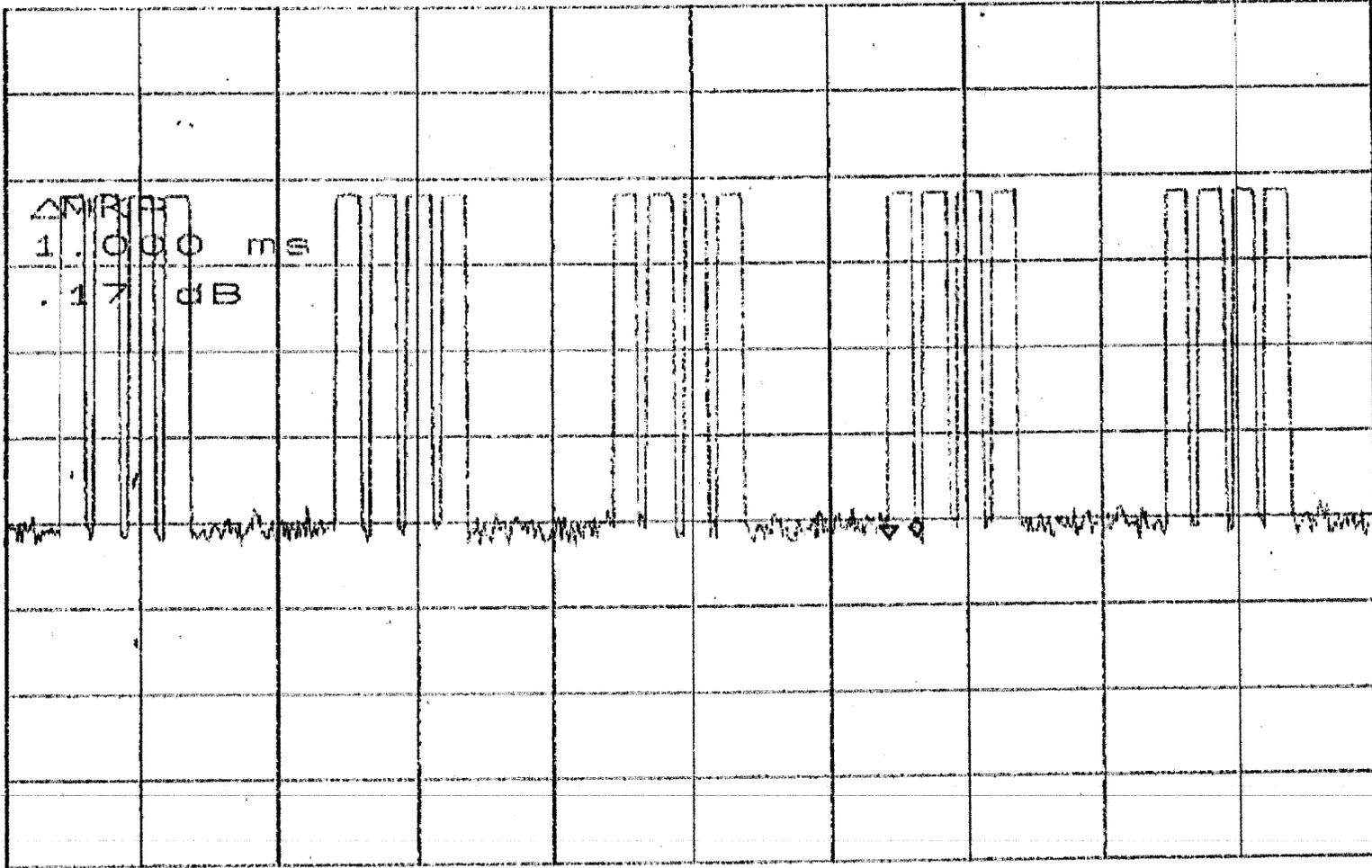RL 97.0dBμV   10dB/   1.000ms

△MKR
1.000 ms
.17 dB

CENTER 2.479800000GHz   SPAN 0Hz
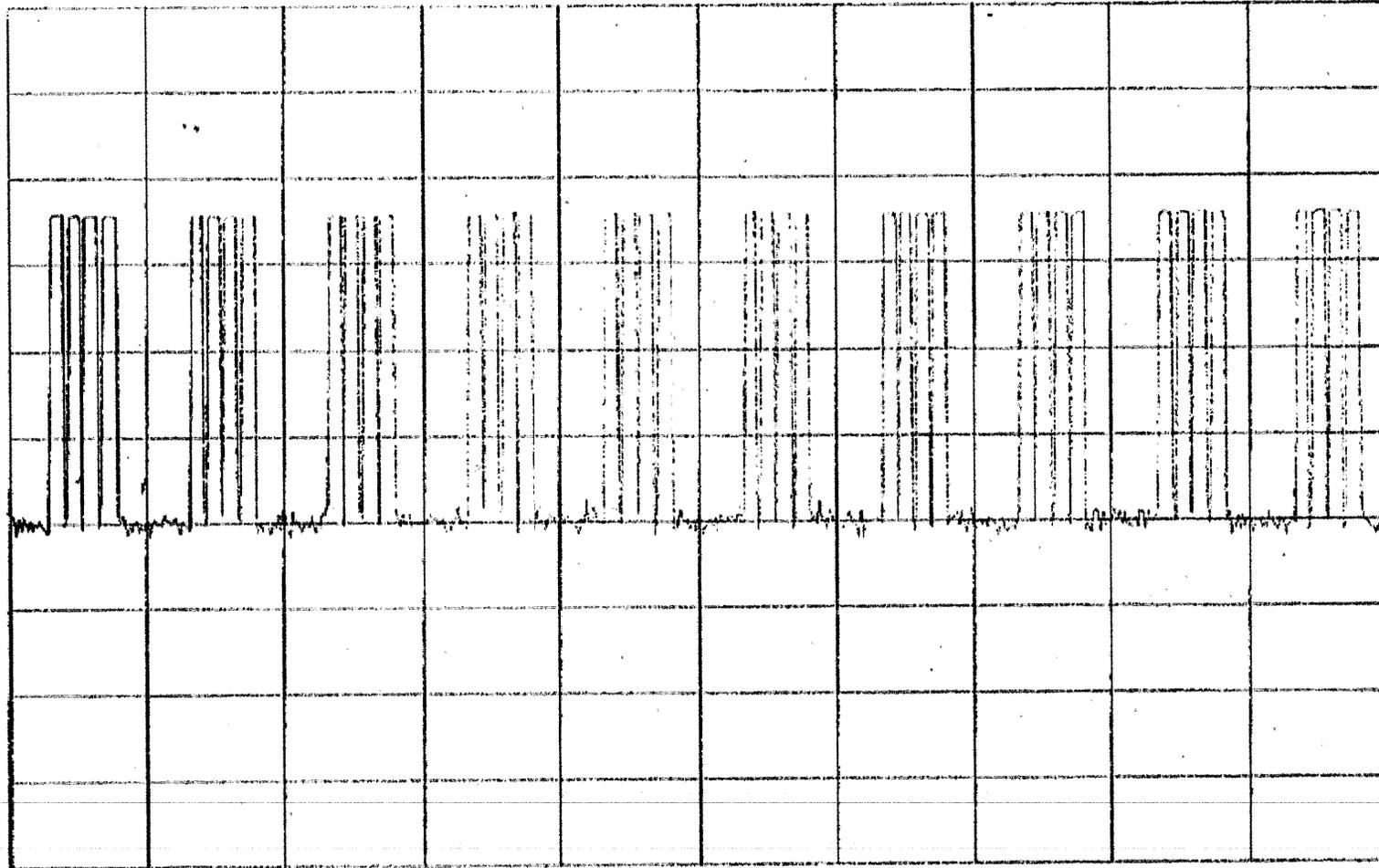*RBW 1.0MHz   VBW 1.0MHz   SWP 50.0ms

#12

896 3 5776854

TECOM

01-12-05 10:07 AM

Base

ATTEN 10dB
RL -10.0dBm   10dB/
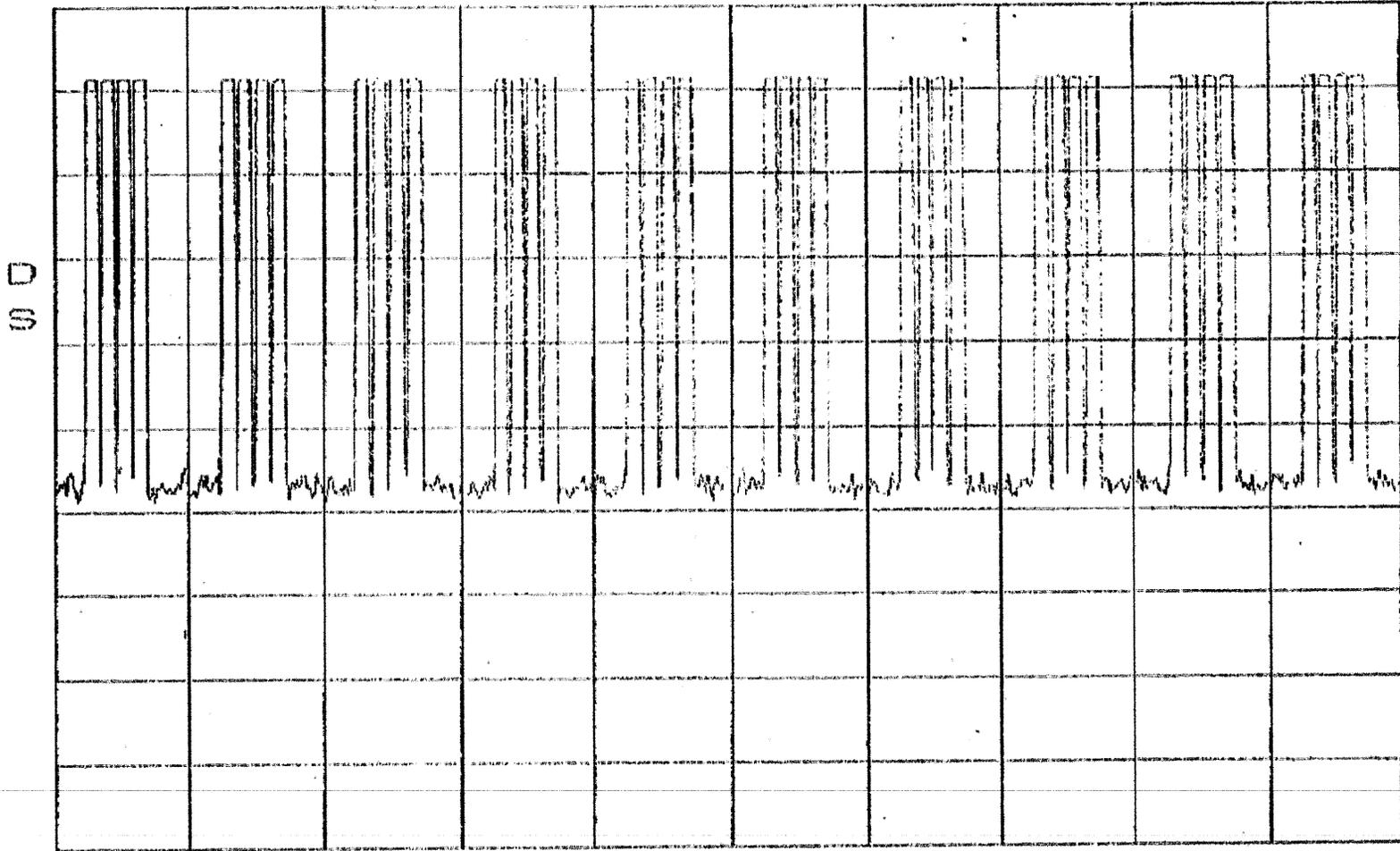
CENTER 2.47980000GHZ   SPAN OHZ
RBW 1.0MHZ   VBW 1.0MHZ   SWP 100ms

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Manager
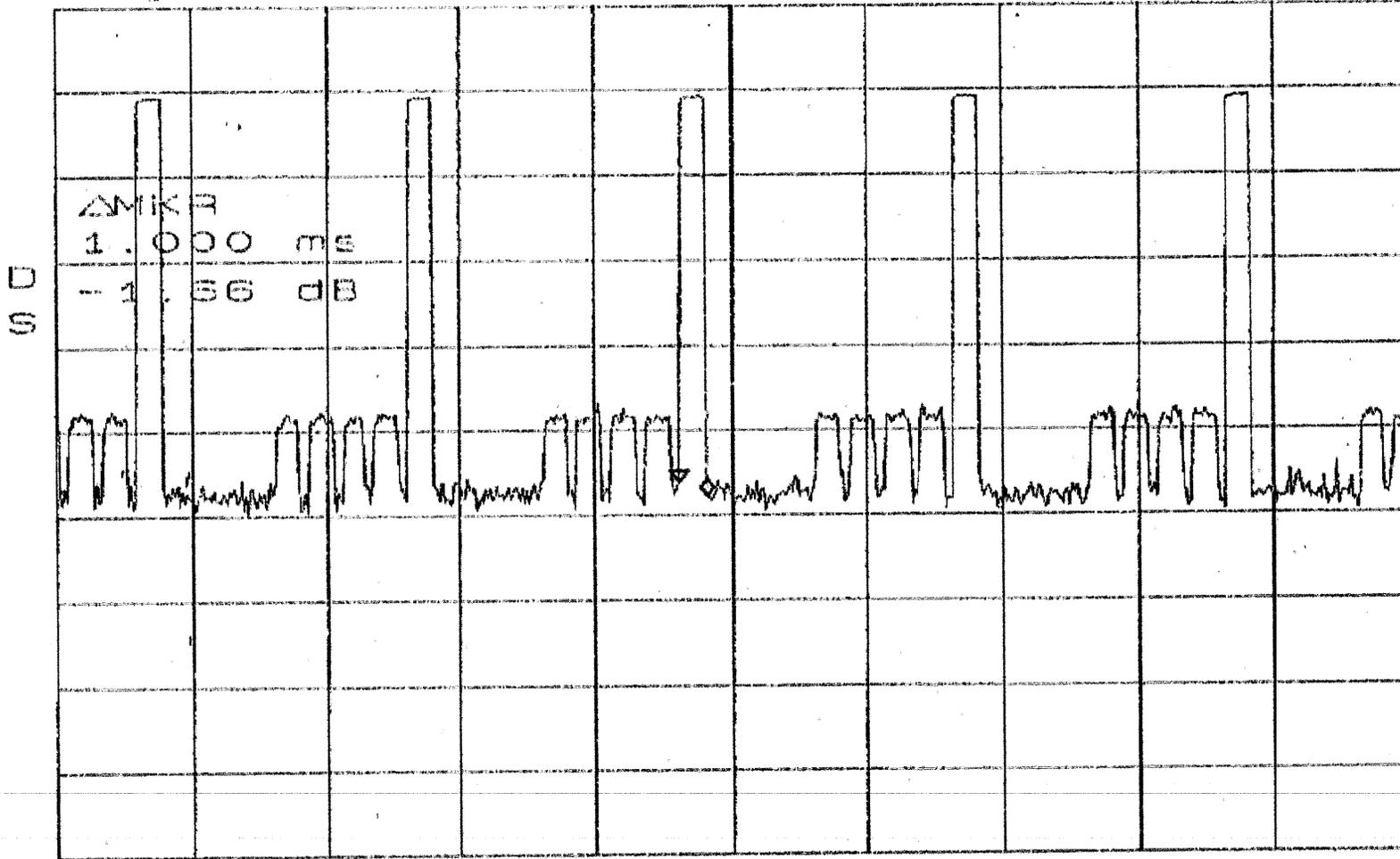
ATTEN 10dB   △MKR -1.66dB
RL 92.0dBµV   10dB/   1.000ms

△MKR
1.000 ms
-1.66 dB

CENTER 2.404733333GHz   SPAN 0Hz
*RBW 1.0MHZ   *VBW 1.0MHZ   *SWP 50.0ms
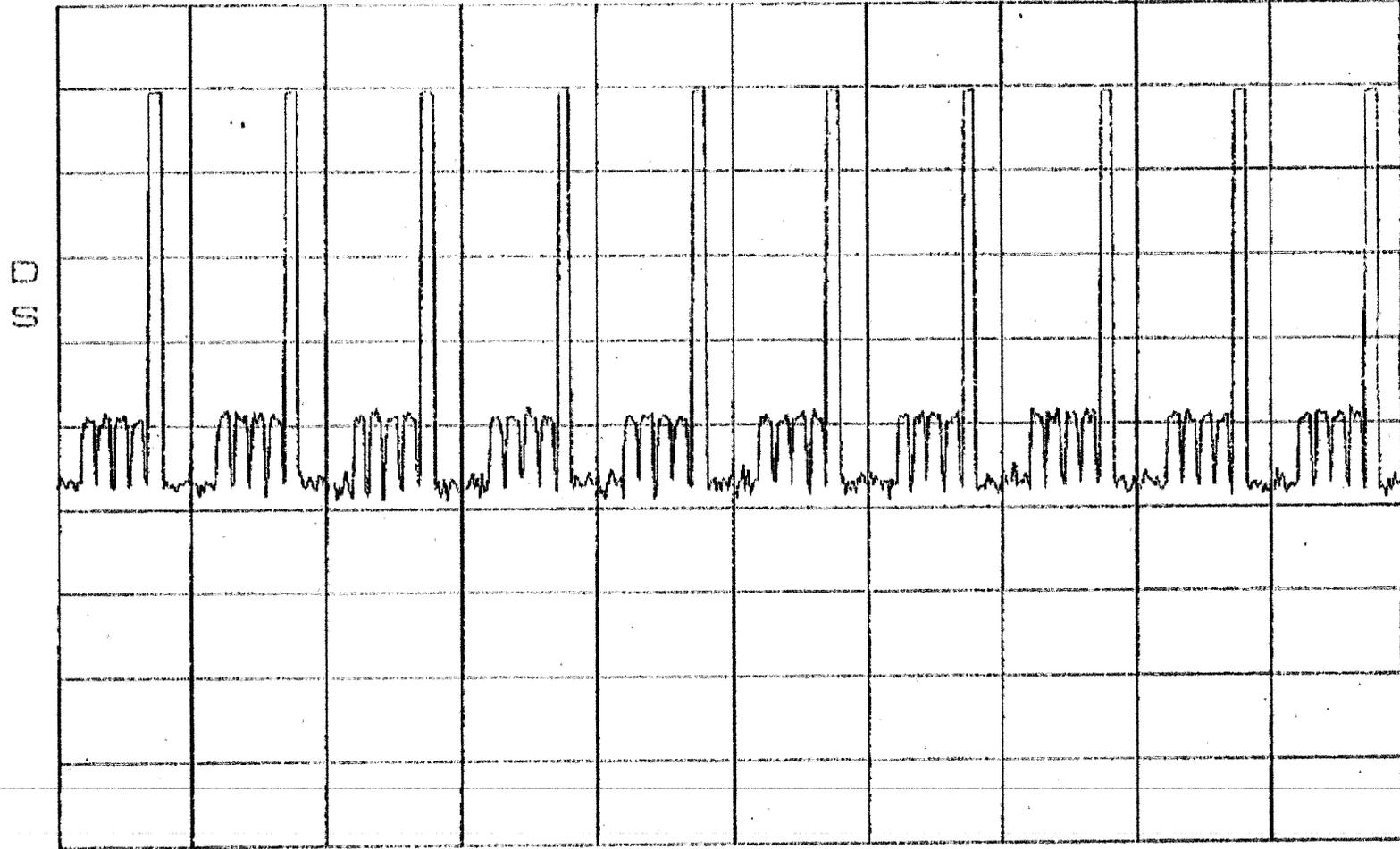
Handset

ATTEN 10dB
RL 92.0dBµV   10dB/

d B

CENTER 2.404733333GHz   SPAN 0Hz
*RBW 1.0MHz   *VBW 1.0MHz   *SWP 100ms

Hanaser

ATTEN .10dB   △MKR -.50dB
RL 92.0dBµV   10dB/   1.000ms

△MKR
1.000 ms
-.50 dB

CENTER 2.437558333GHz   SPAN 0Hz
*RBW 1.0MHZ   *VBW 1.0MHZ   *SWP 50.0ms

Handset

ATTEN 10dB   MKR 33.83dBμV
RL 92.0dBμV   10dB/   50.00ms

D
S

CENTER 2.437558333GHz   SPAN 0Hz
*RBW 1.0MHz   *VBW 1.0MHz   *SWP 100ms

Handset
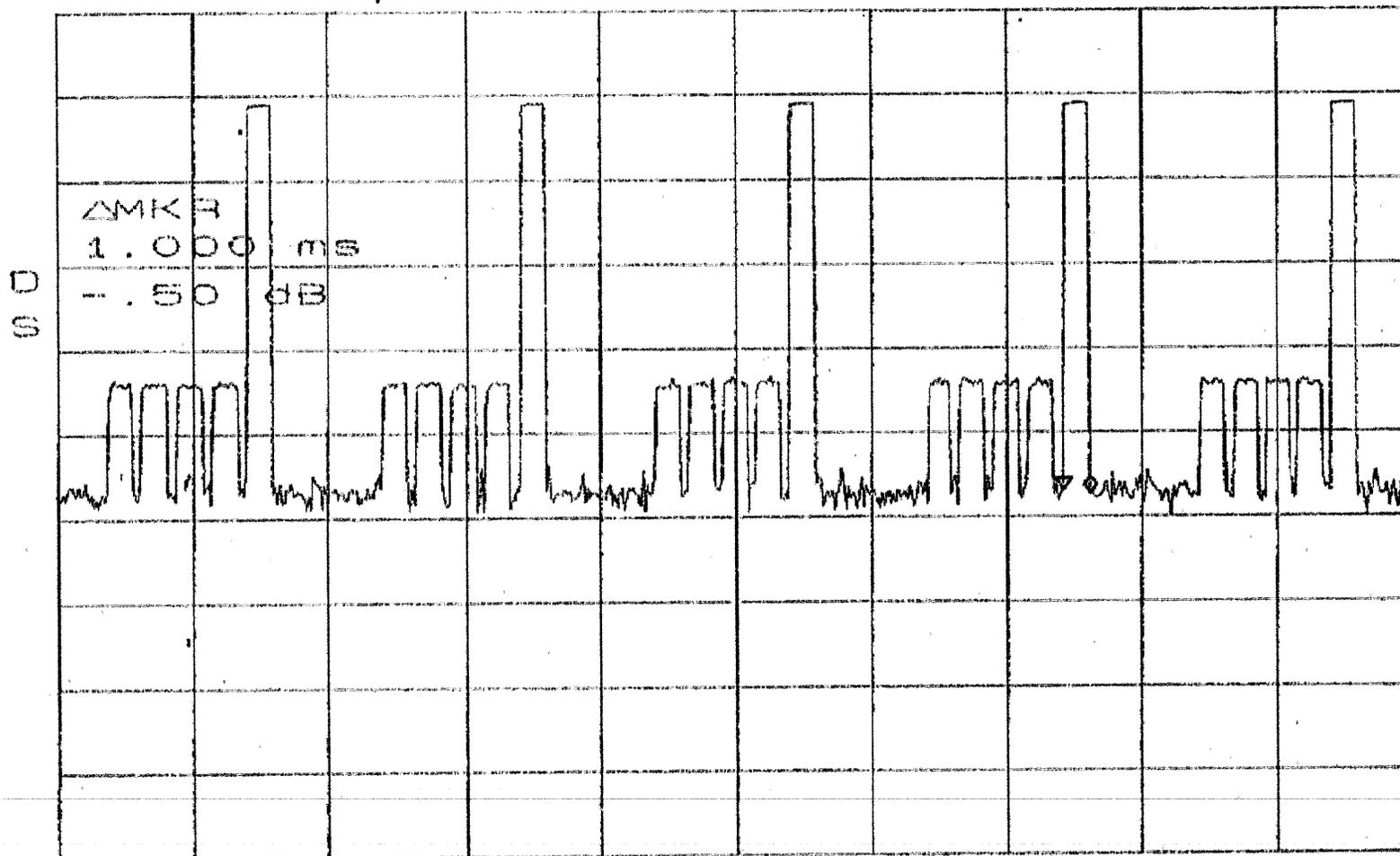

ATTEN 10dB   ΔMKR -.50dB
RL 92.0dBμV   10dB/   1.000ms

ΔMKR
1.000 ms
-.50 dB

CENTER 2.479783334GHz   SPAN 0Hz
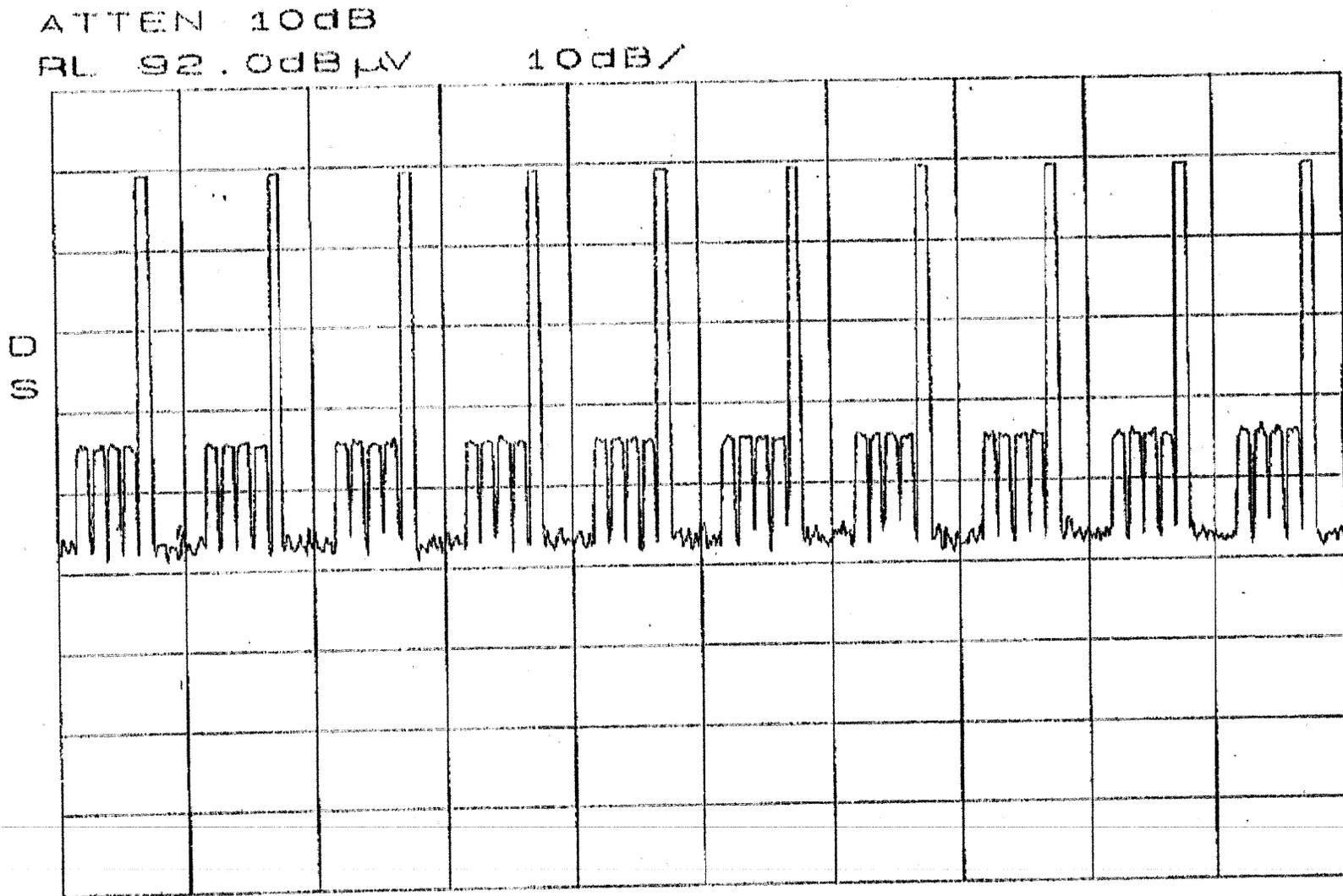*RBW 1.0MHz   *VBW 1.0MHz   *SWP 50.0ms

ATTEN 10dB
RL 92.0dBµV   10dB/

CENTER 2.479783334GHz   SPAN 0Hz
*RBW 1.0MHZ   *VBW 1.0MHZ   *SWP 100ms