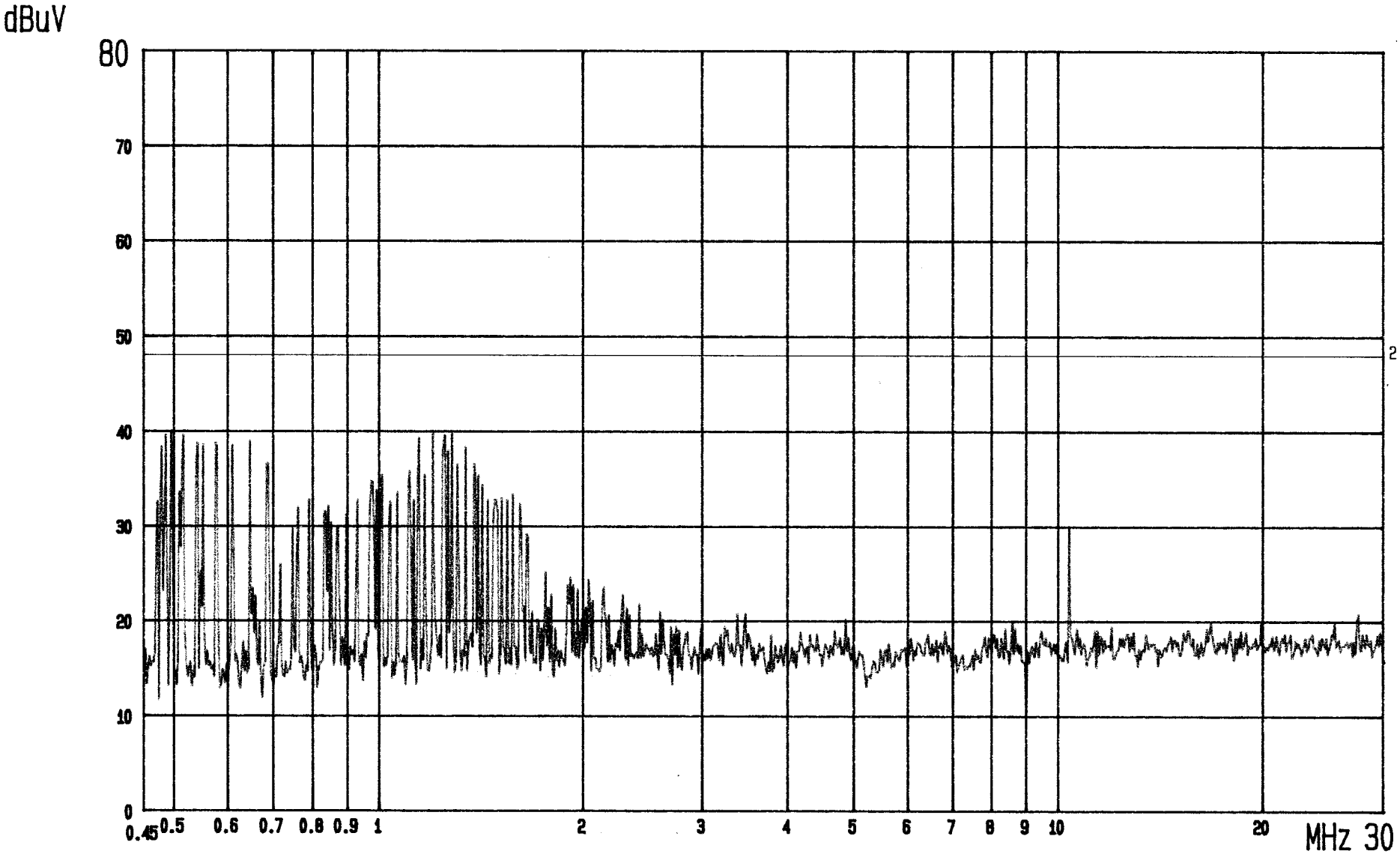
# Appendix 1 : Plotted Data of Power Line Conducted Emissions

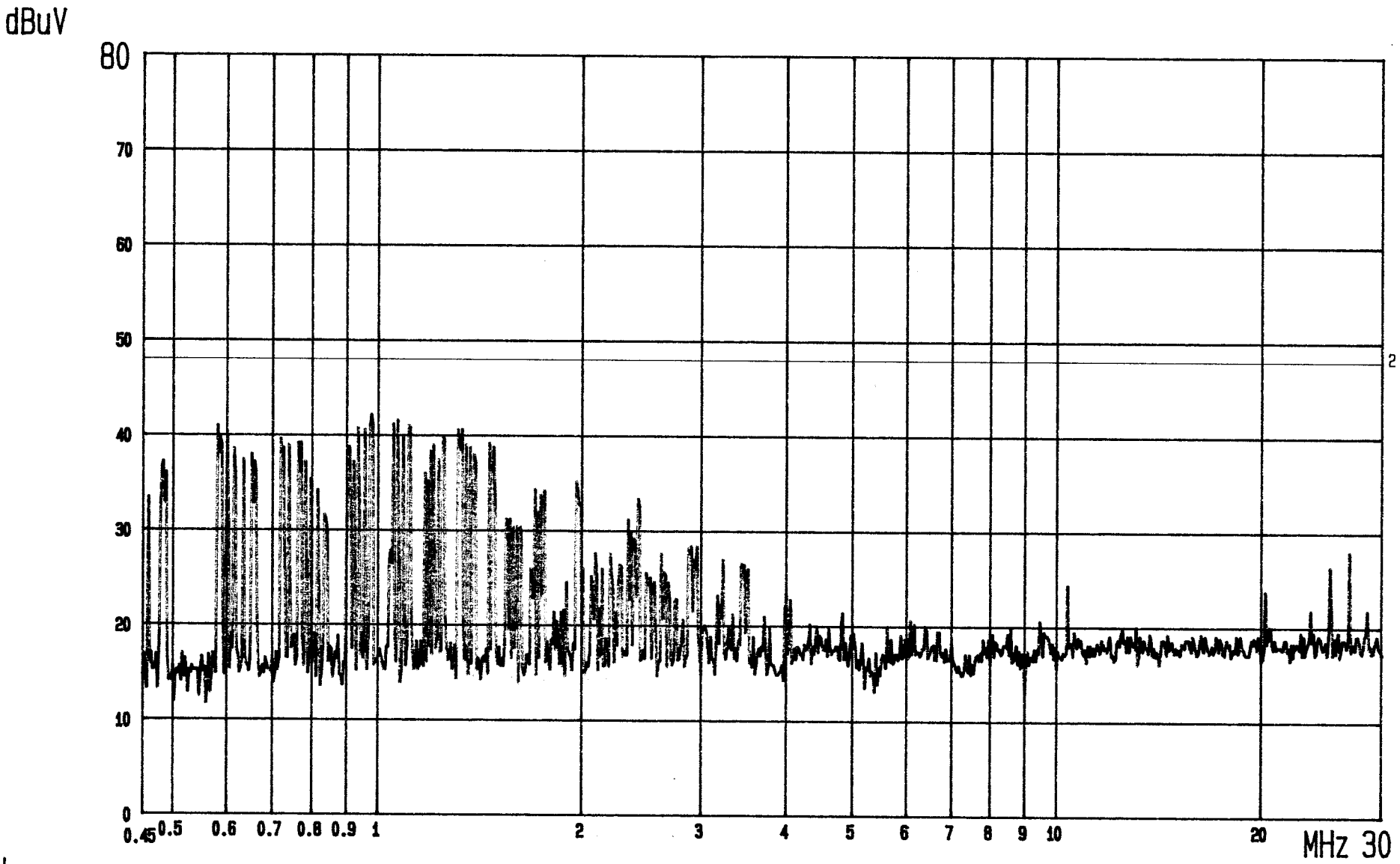



FCC CONDUCTED TEST
MODEL: UNIDEN 4960

POWER: 120V/60HZ
MODE: CHARGE

2: QP.;
LISN: N

CLASS B LIMIT
ETC EMI LAB.



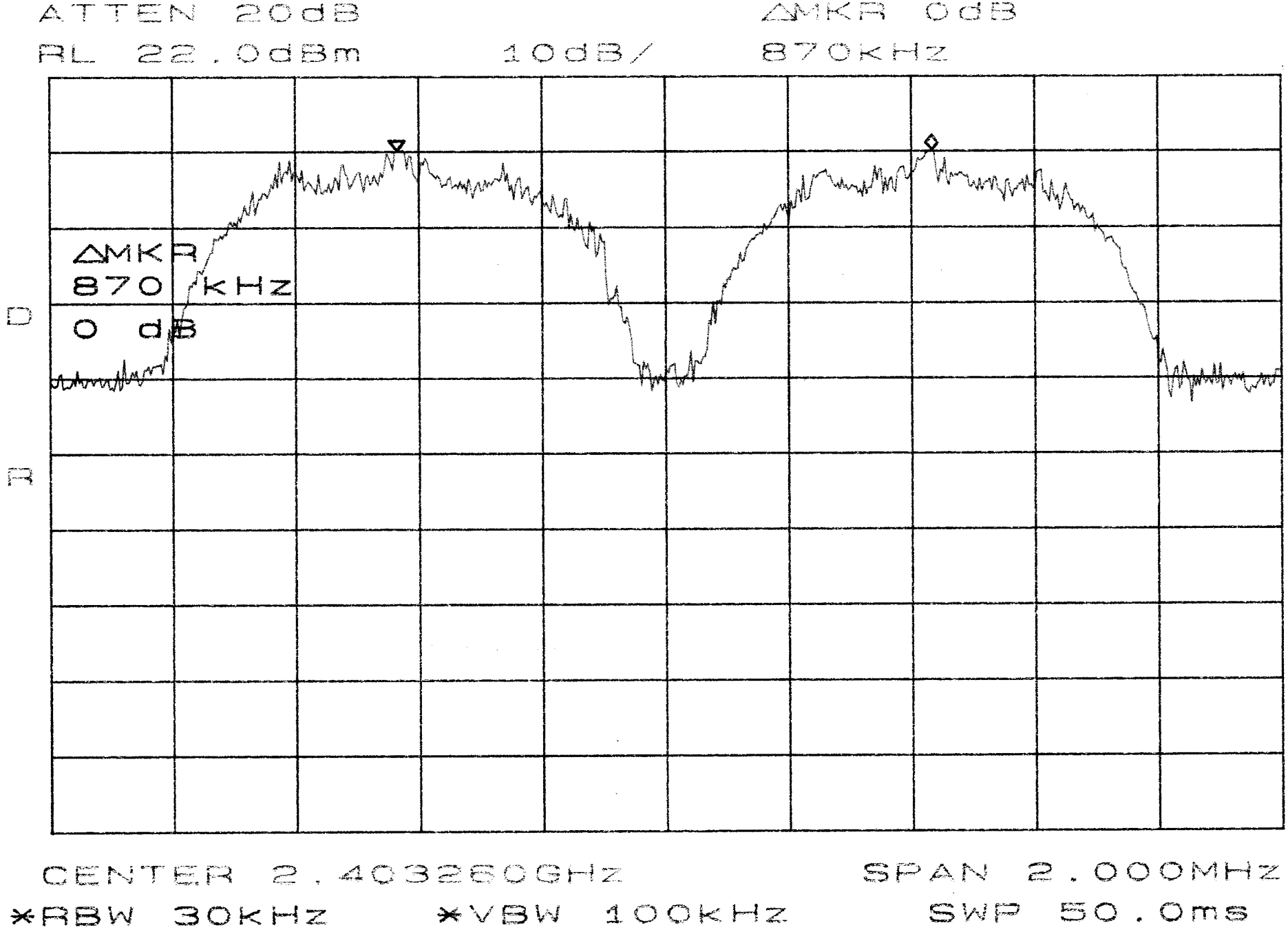

FCC CONDUCTED TEST
MODEL: UNIDEN 4960

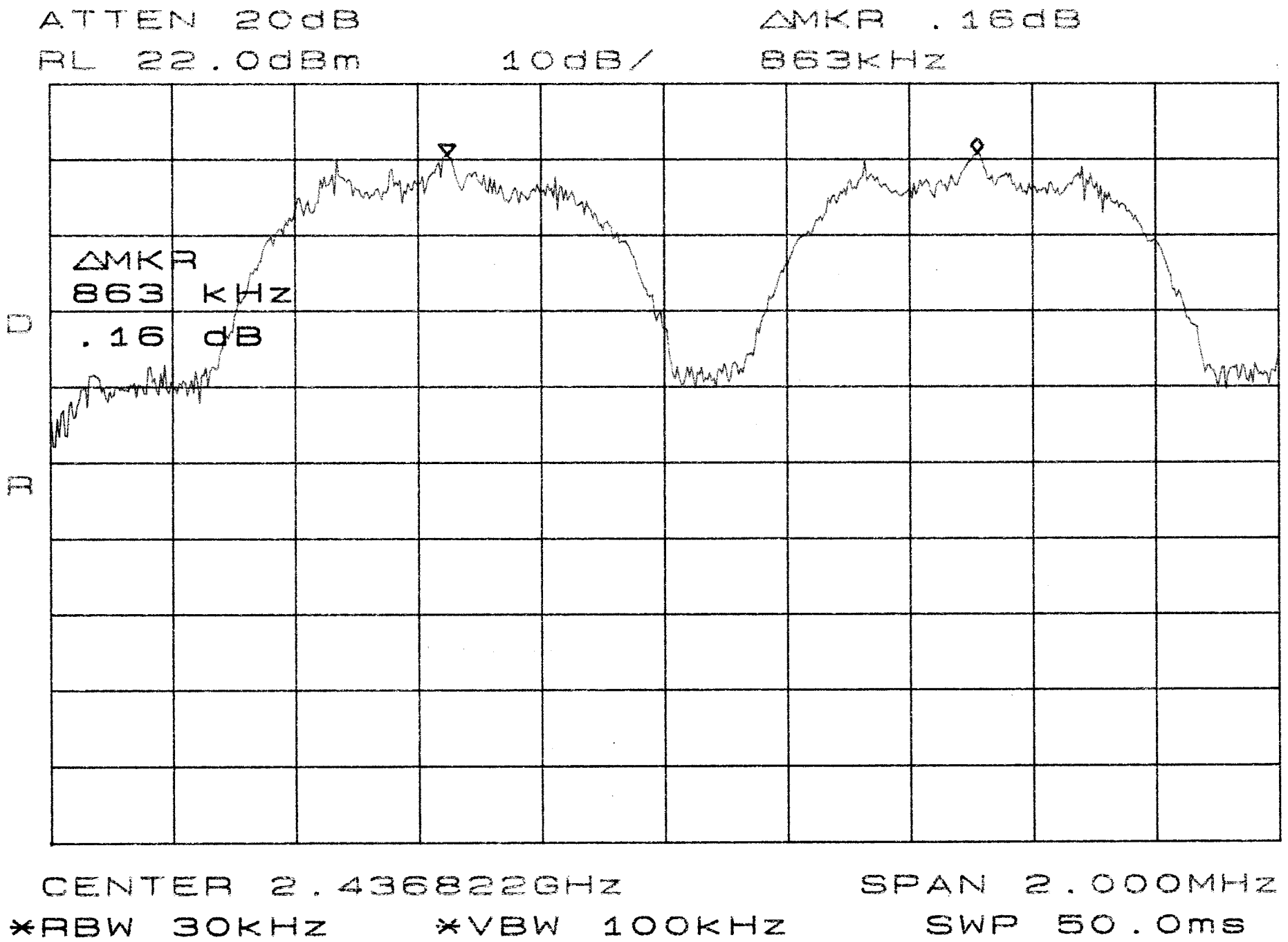
POWER: 120V/60HZ
MODE: CHARGE

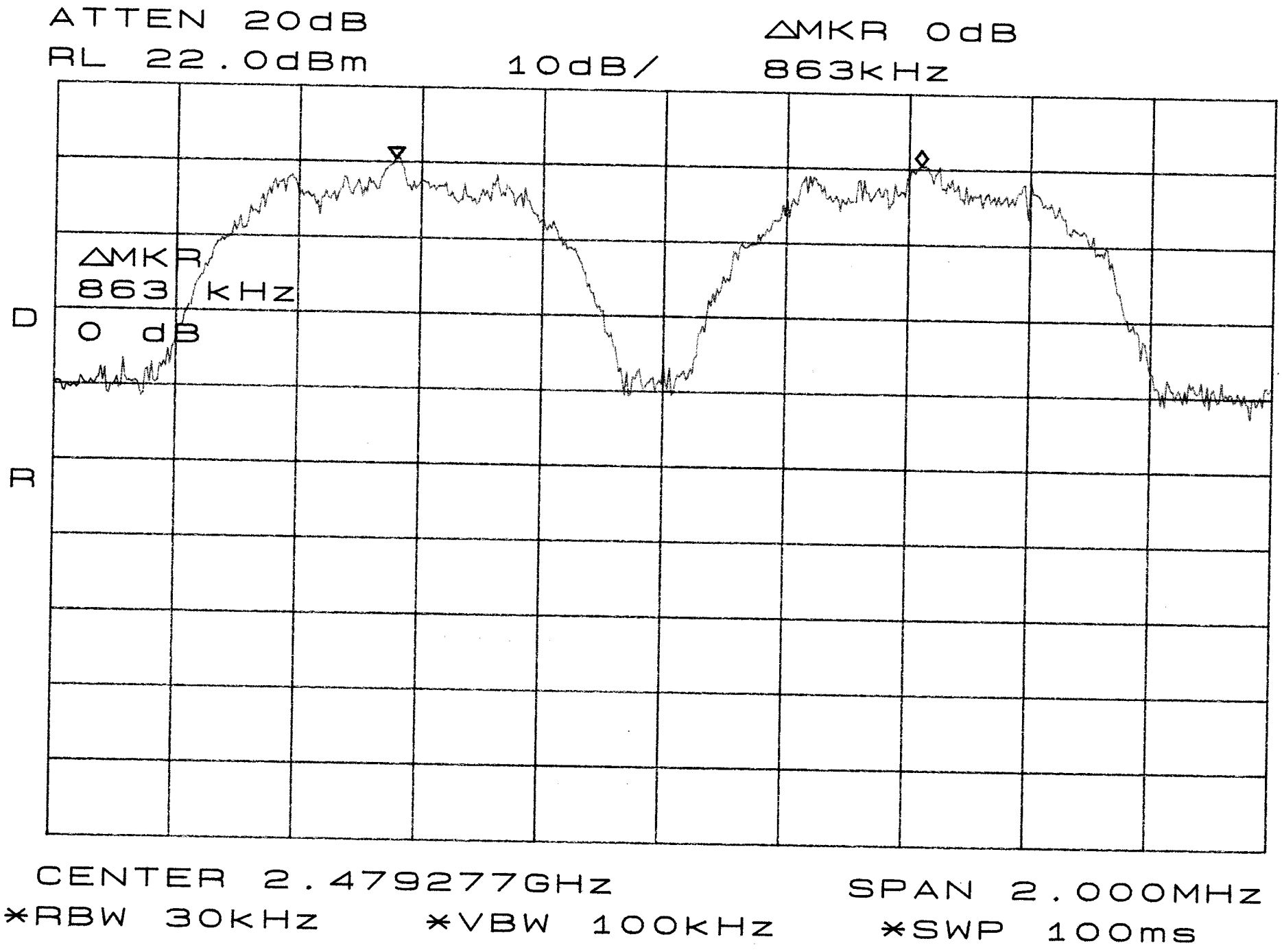
2: QP.;
LISN: L1

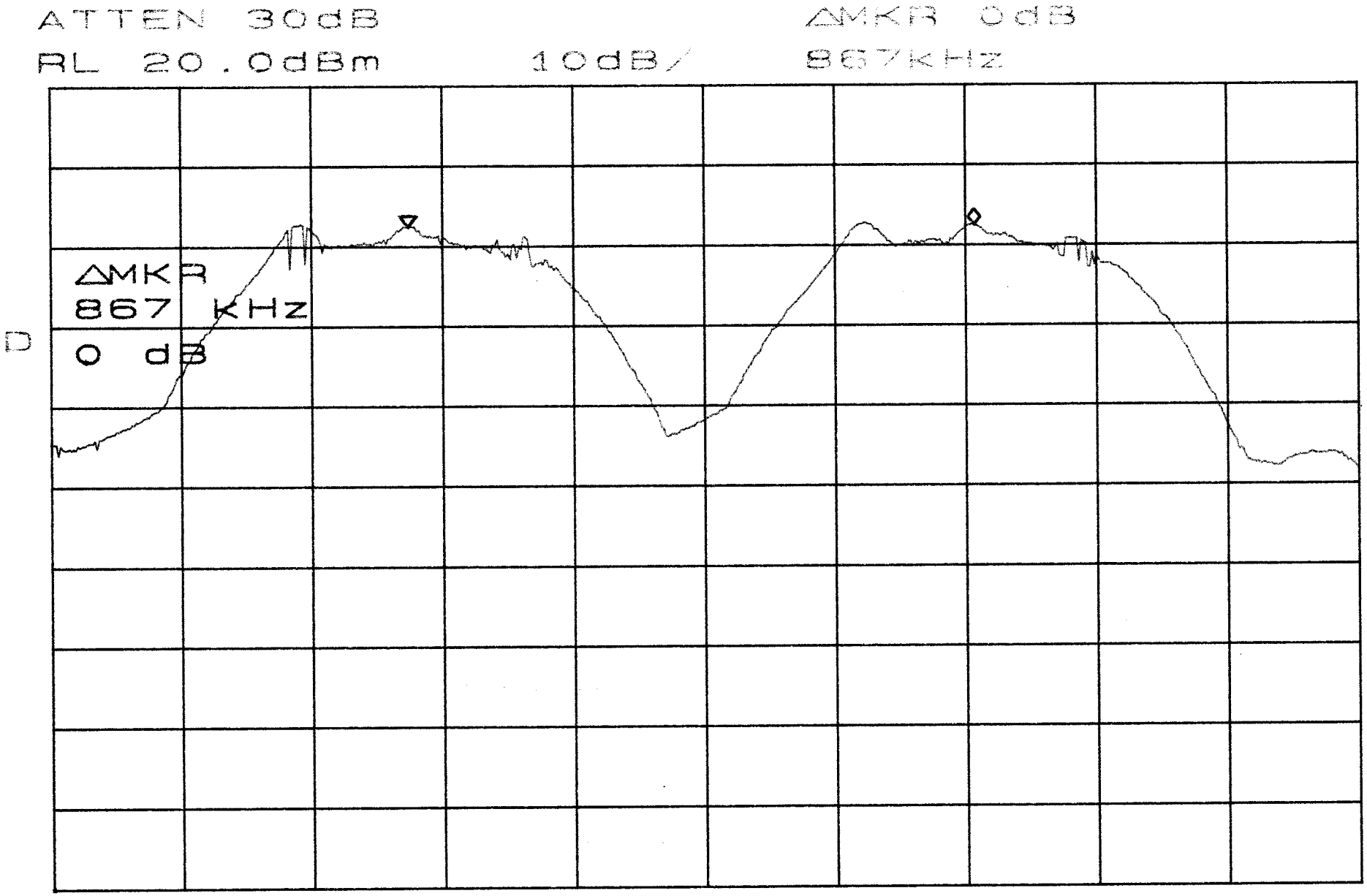
CLASS B LIMIT
ETC EMI LAB.

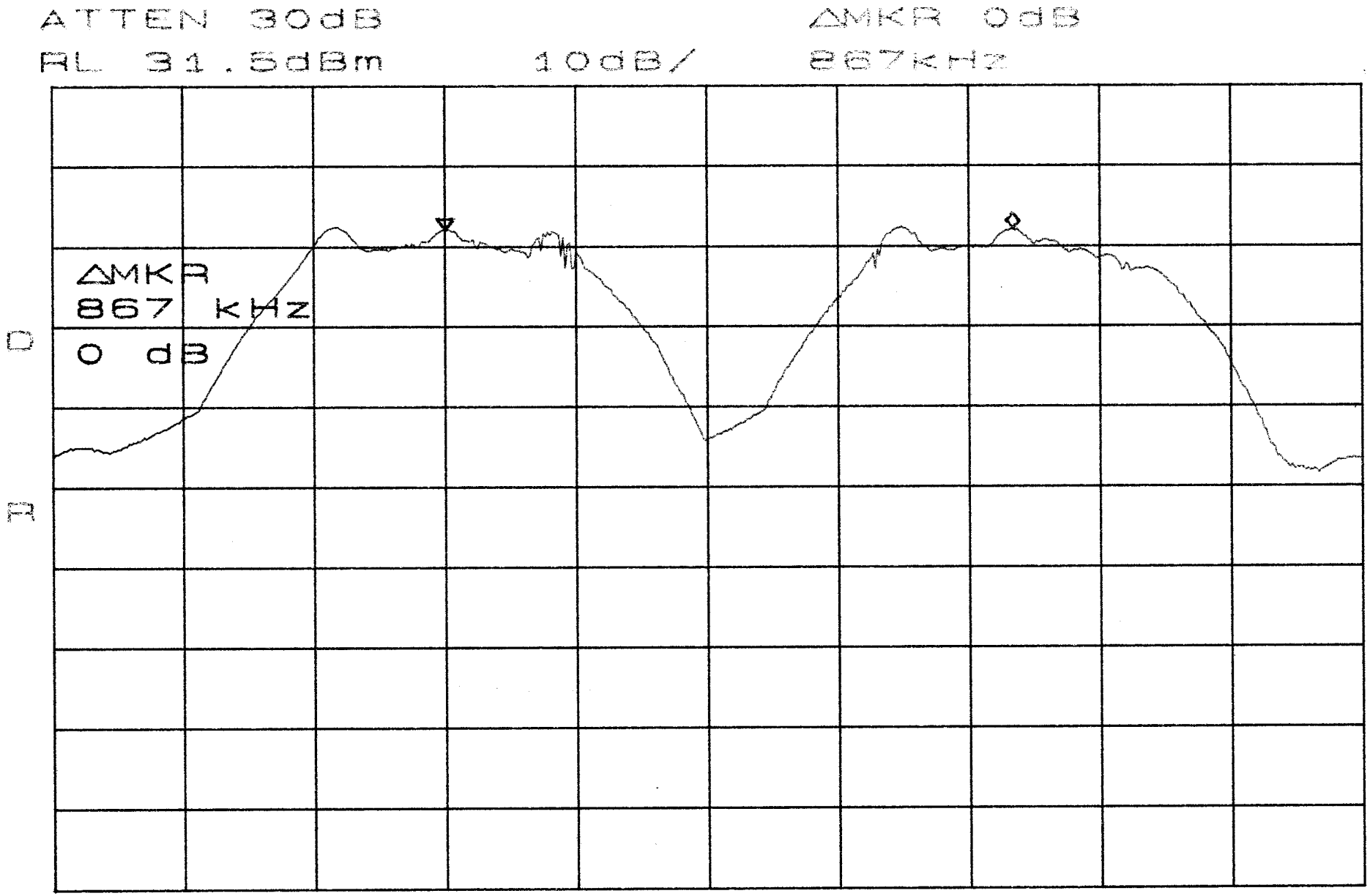
# Appendix 2 : Plotted Data for Separation of Adjacent Channel

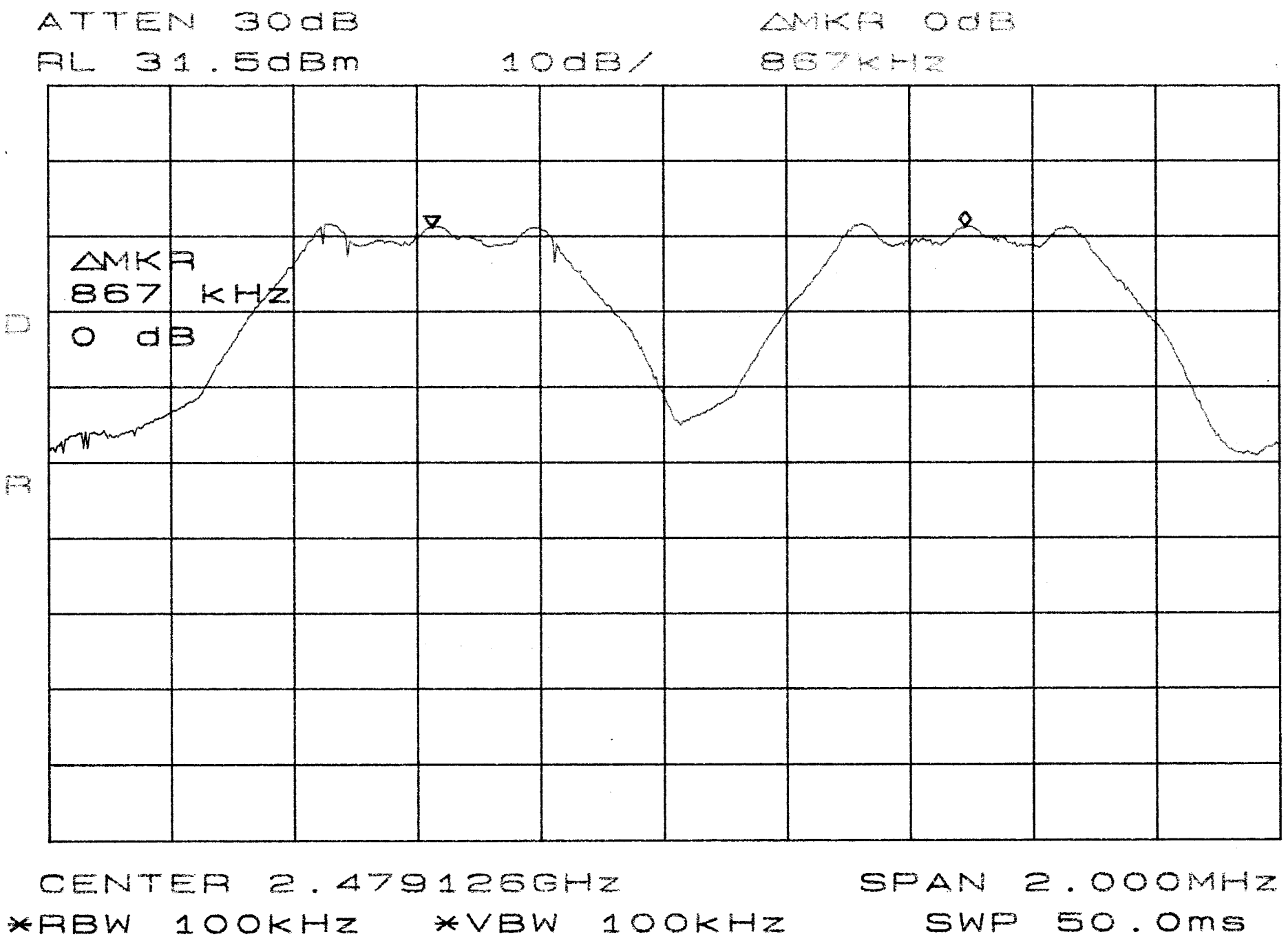

ATTEN 20dB
RL 22.0dBm
10dB/
ΔMKR 0dB
870kHz
ΔMKR
870 kHz
0 dB
D
R
CENTER 2.403260GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
SWP 50.0ms


ATTEN 20dB
ΔMKR .16dB
RL 22.0dBm
10dB/
863kHz
ΔMKR
863 kHz
.16 dB
D
R
CENTER 2.436822GHz
SPAN 2.000MHz
*RBW 30KHz
*VBW 100KHz
SWP 50.0ms

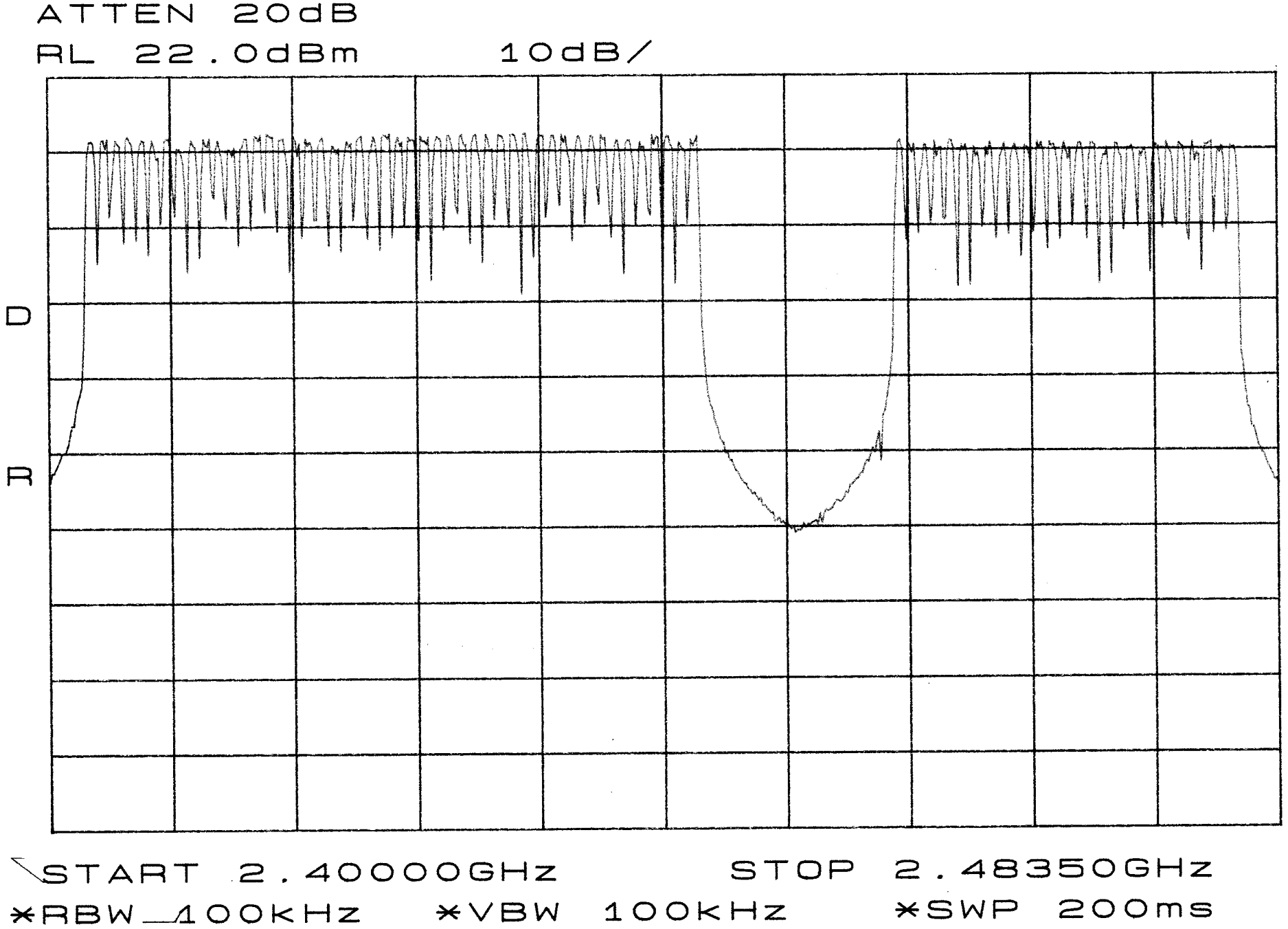

ATTEN 20dB
RL 22.0dBm
10dB/
ΔMKR 0dB
863kHz
ΔMKR
863 kHz
0 dB
D
R
CENTER 2.479277GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
*SWP 100ms

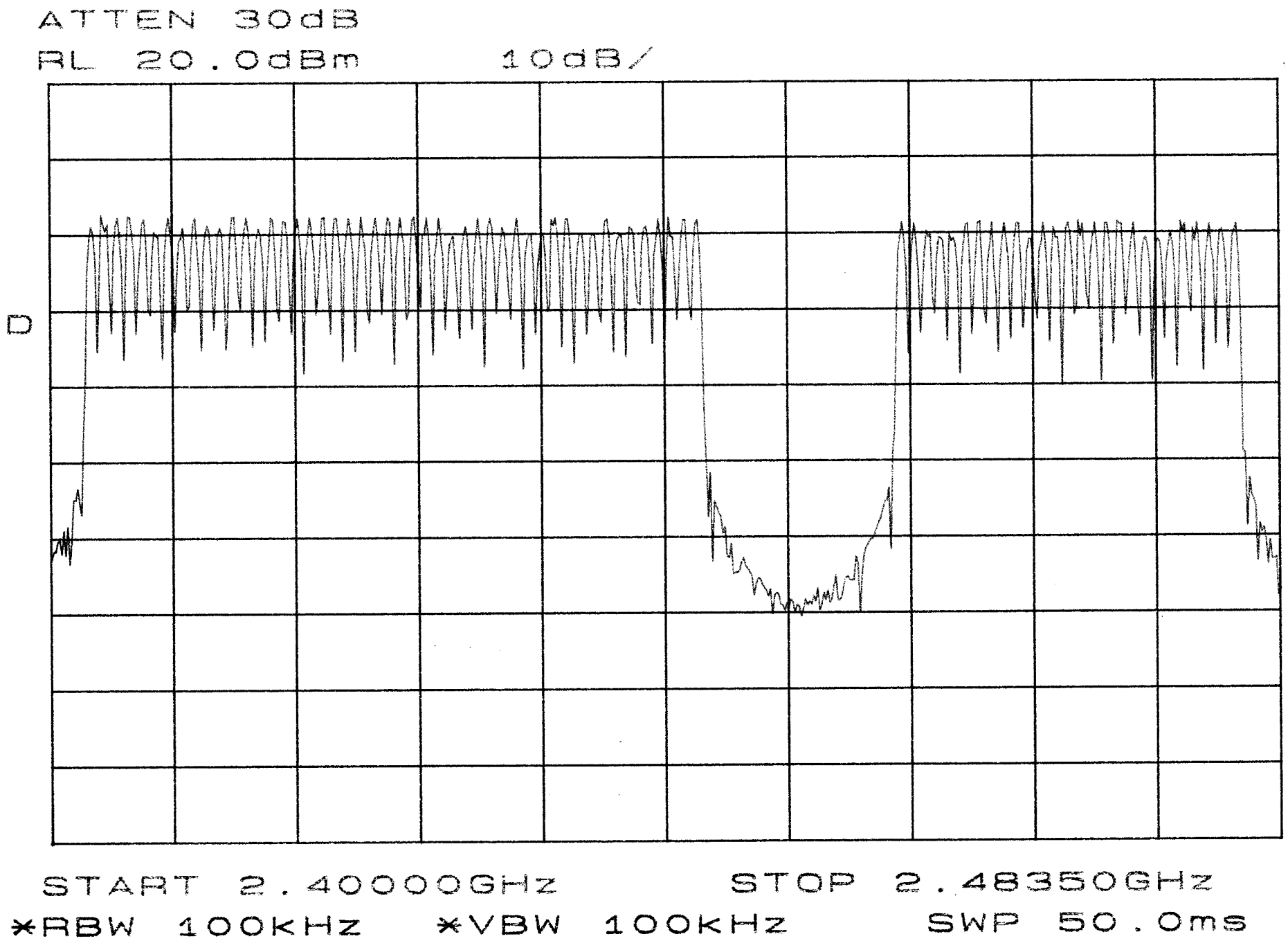

ATTEN 30dB
RL 20.0dBm
10dB/
ΔMKR 0dB
867kHz
ΔMKR
867 kHz
0 dB
D
CENTER 2.403197GHz
SPAN 2.000MHz
*RBW 100kHz
*VBW 100kHz
SWP 50.0ms


ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR 0dB
867kHz
ΔMKR
867 kHz
0 dB
D
R
CENTER 2.437700GHz
SPAN 2.000MHz
*RBW 100KHz
*VBW 100KHz
SWP 50.0ms

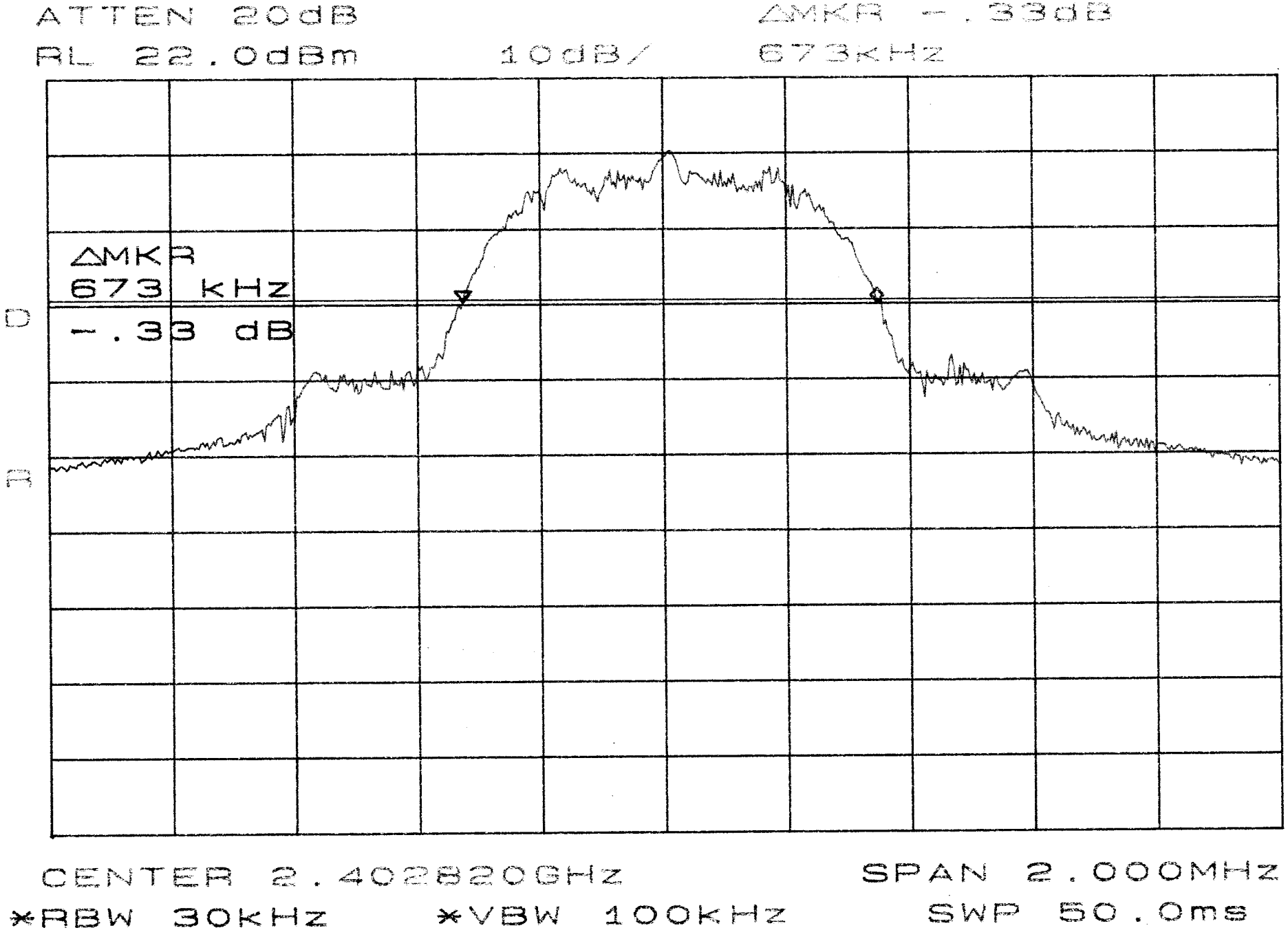

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR 0dB
867kHz
ΔMKR
867 kHz
0 dB
CENTER 2.479126GHz
SPAN 2.000MHz
*RBW 100kHz
*VBW 100kHz
SWP 50.0ms

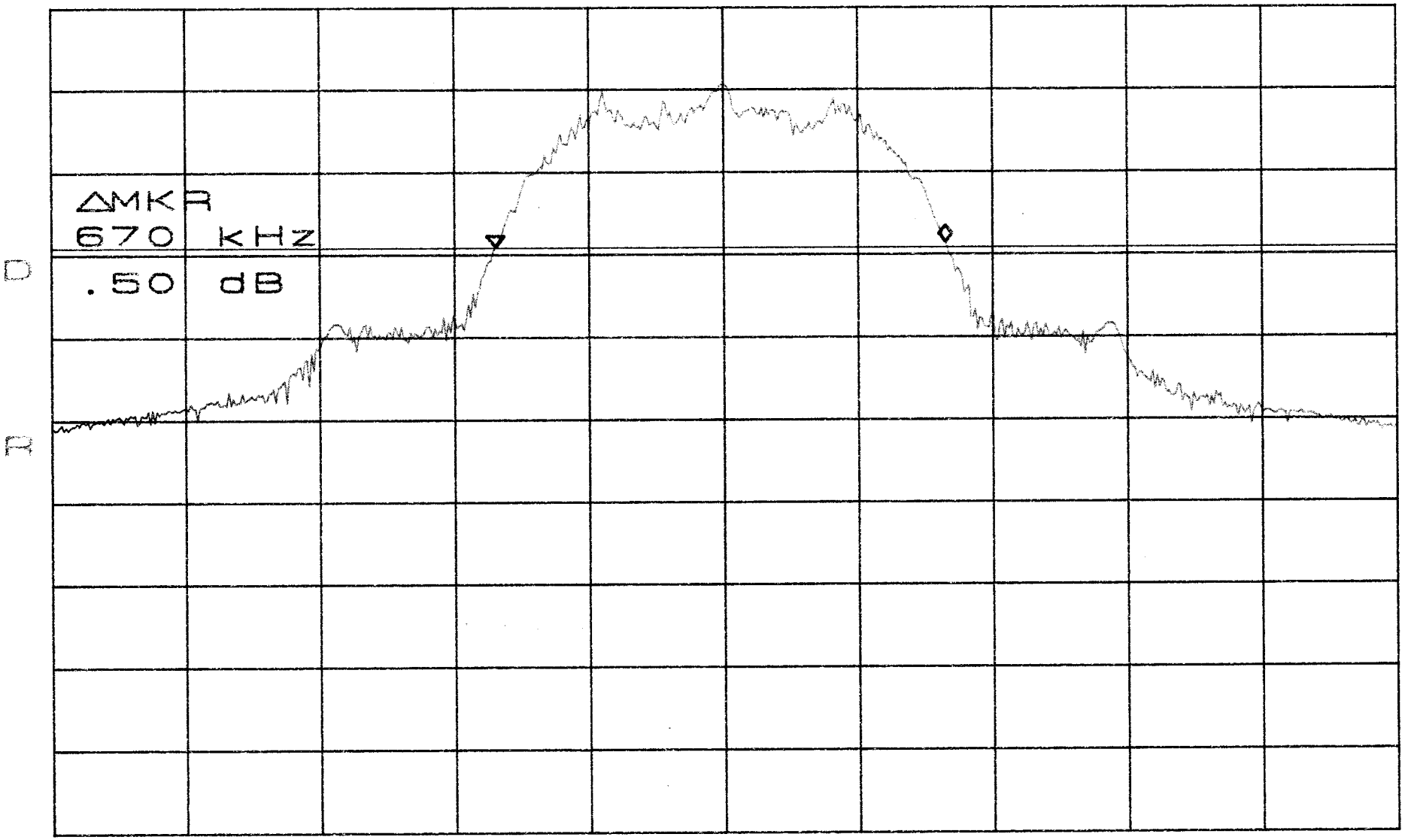
# Appendix 3 : Plotted Data for Total Used Hopping Frequencies

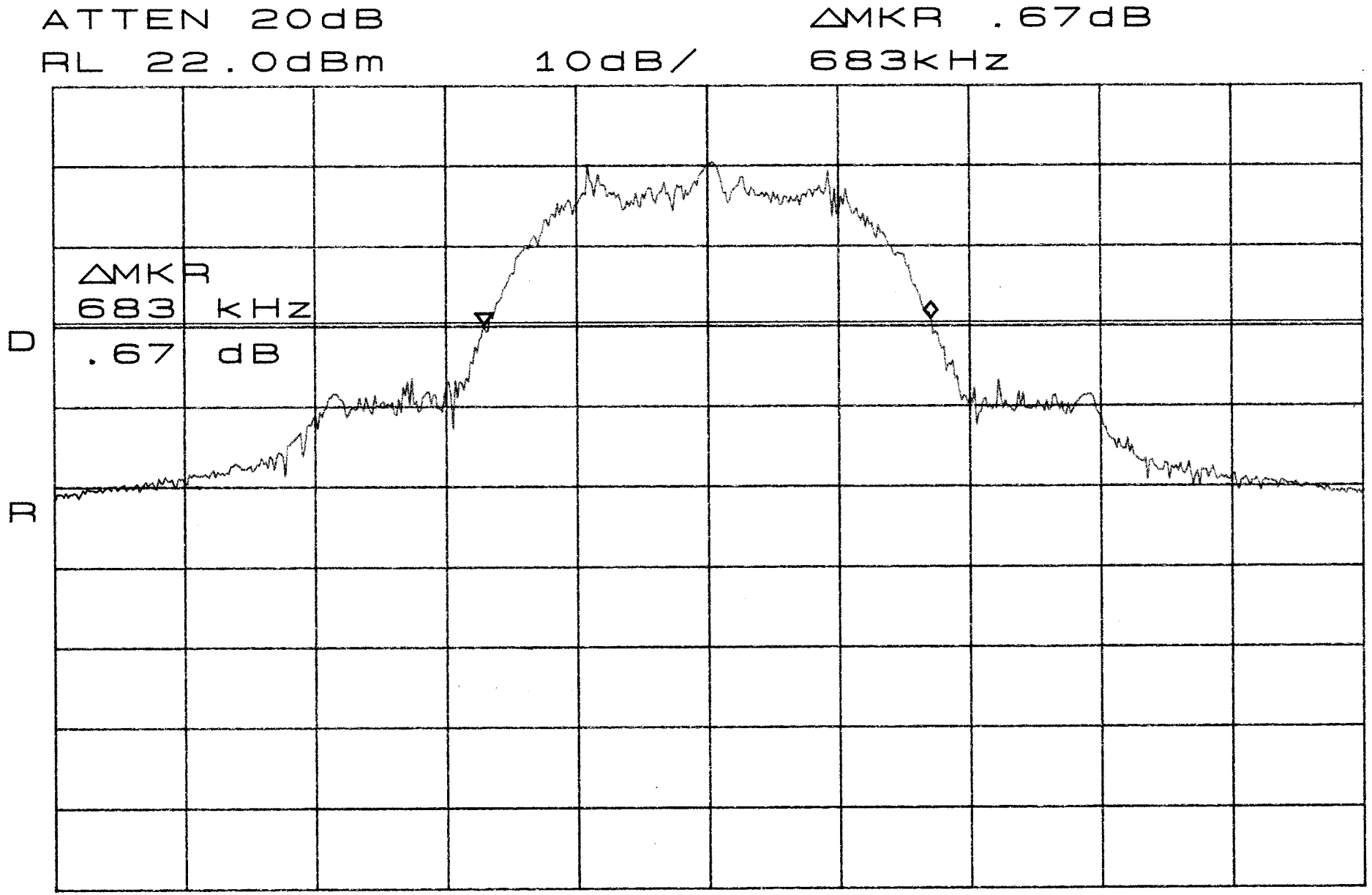

ATTEN 20dB
RL 22.0dBm
10dB/
D
R
START 2.40000GHz
STOP 2.48350GHz
*RBW 100kHz
*VBW 100kHz
*SWP 200ms

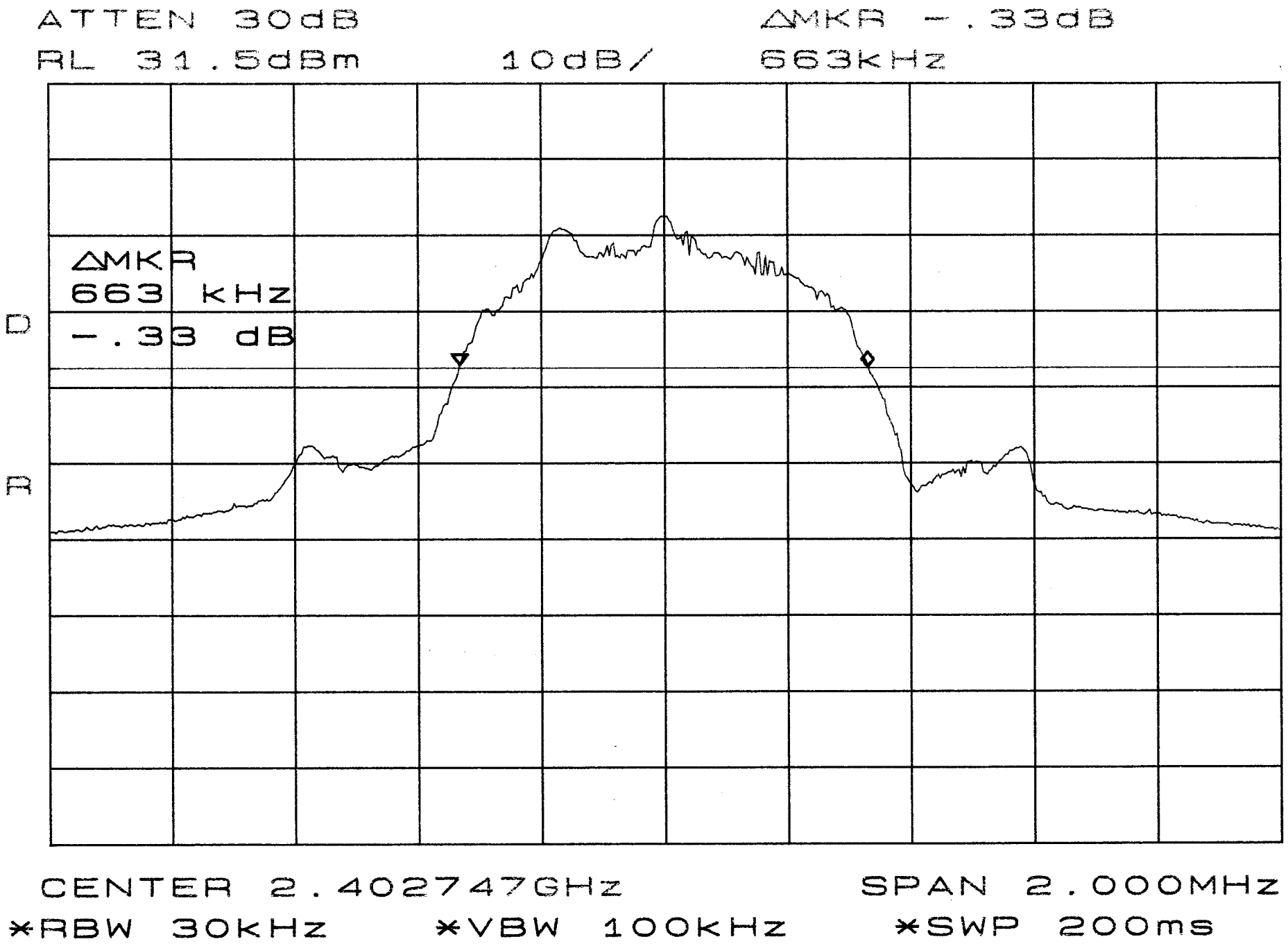

ATTEN 30dB
RL 20.0dBm
10dB/
D
START 2.40000GHz
STOP 2.48350GHz
*RBW 100KHz
*VBW 100KHz
SWP 50.0ms

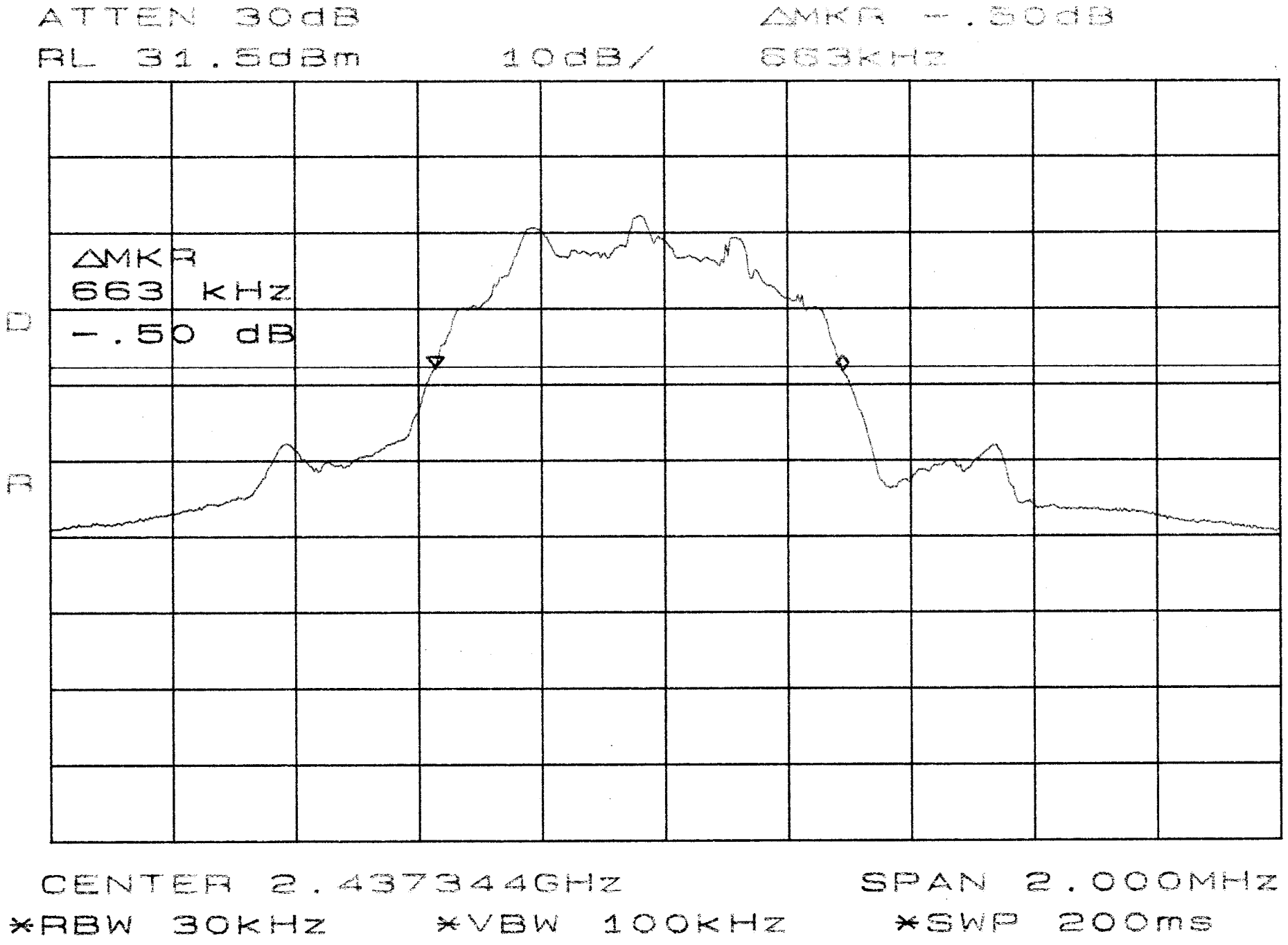
# Appendix 4 : Plotted Data for Channel Bandwidth

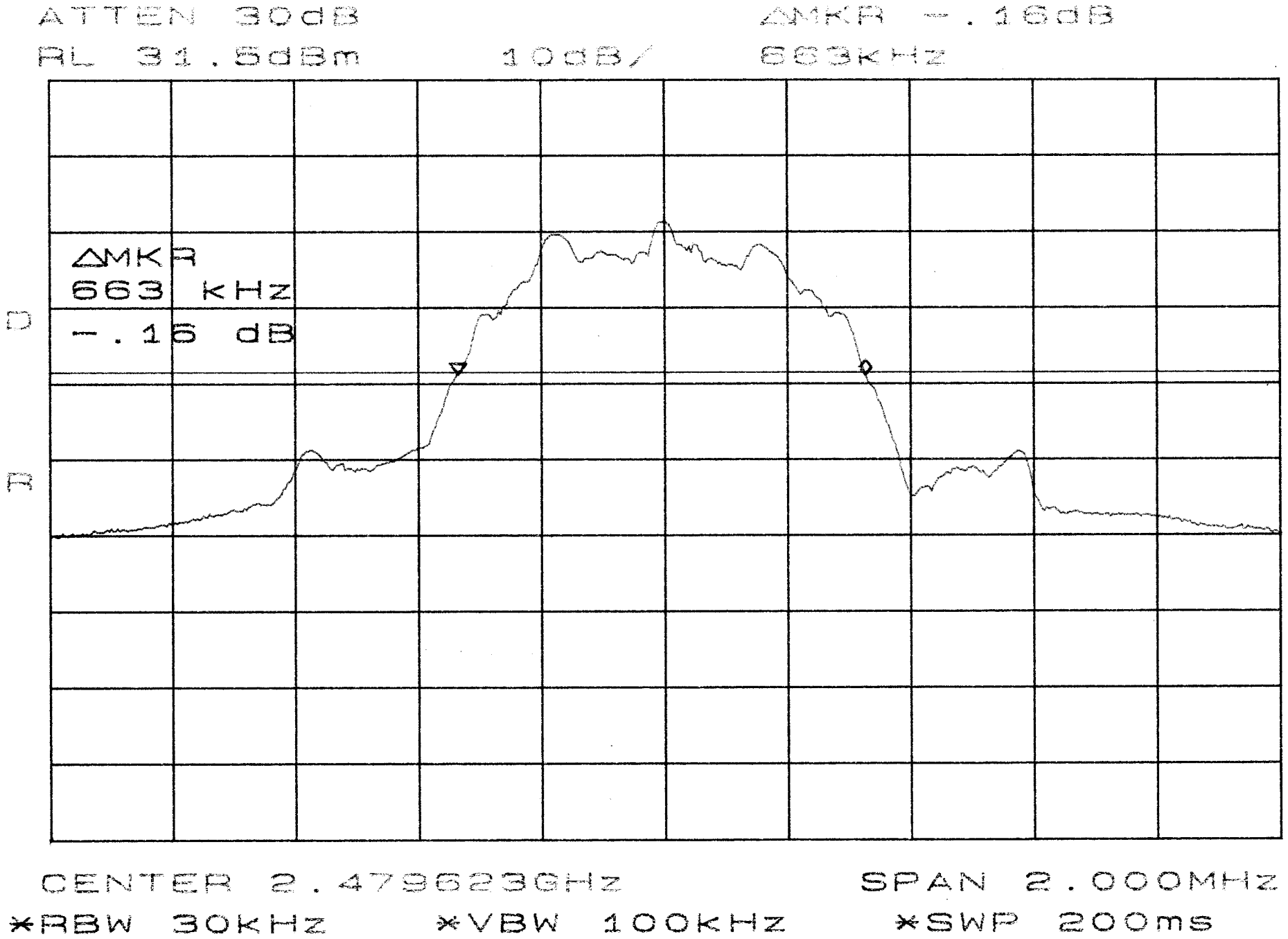

ATTEN 20dB
RL 22.0dBm
10dB/
ΔMKR -.33dB
673kHz
ΔMKR
673 kHz
-.33 dB
D
R
CENTER 2.402820GHz
SPAN 2.000MHz
*RBW 30KHz
*VBW 100KHz
SWP 50.0ms


ATTEN 20dB
RL 22.0dBm
10dB/
ΔMKR .50dB
670kHz
ΔMKR
670 kHz
.50 dB
D
R
CENTER 2.437332GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
SWP 50.0ms

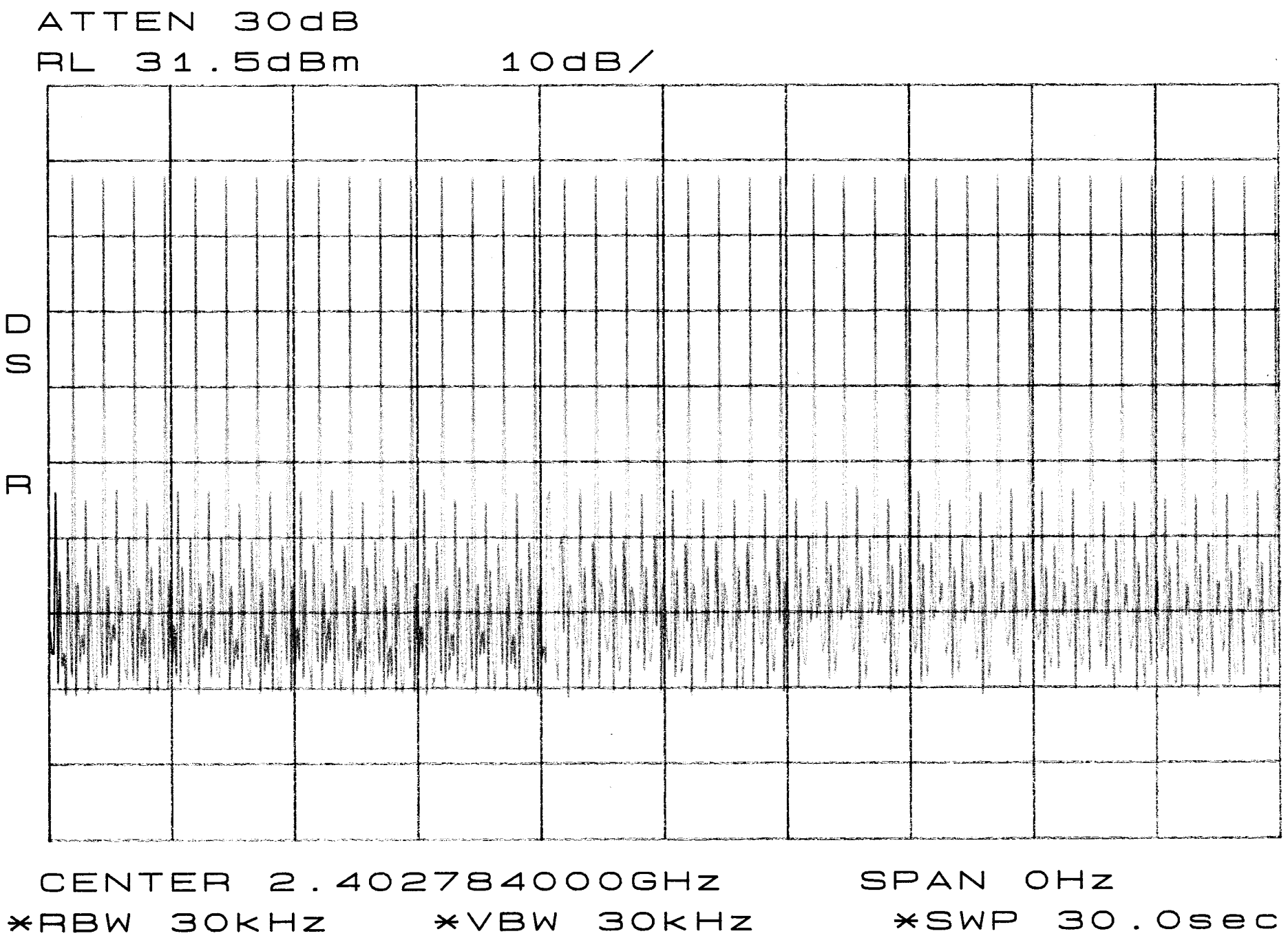

ATTEN 20dB
RL 22.0dBm
10dB/
ΔMKR .67dB
683kHz
ΔMKR
683 kHz
.67 dB
D
R
CENTER 2.479697GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
*SWP 100ms

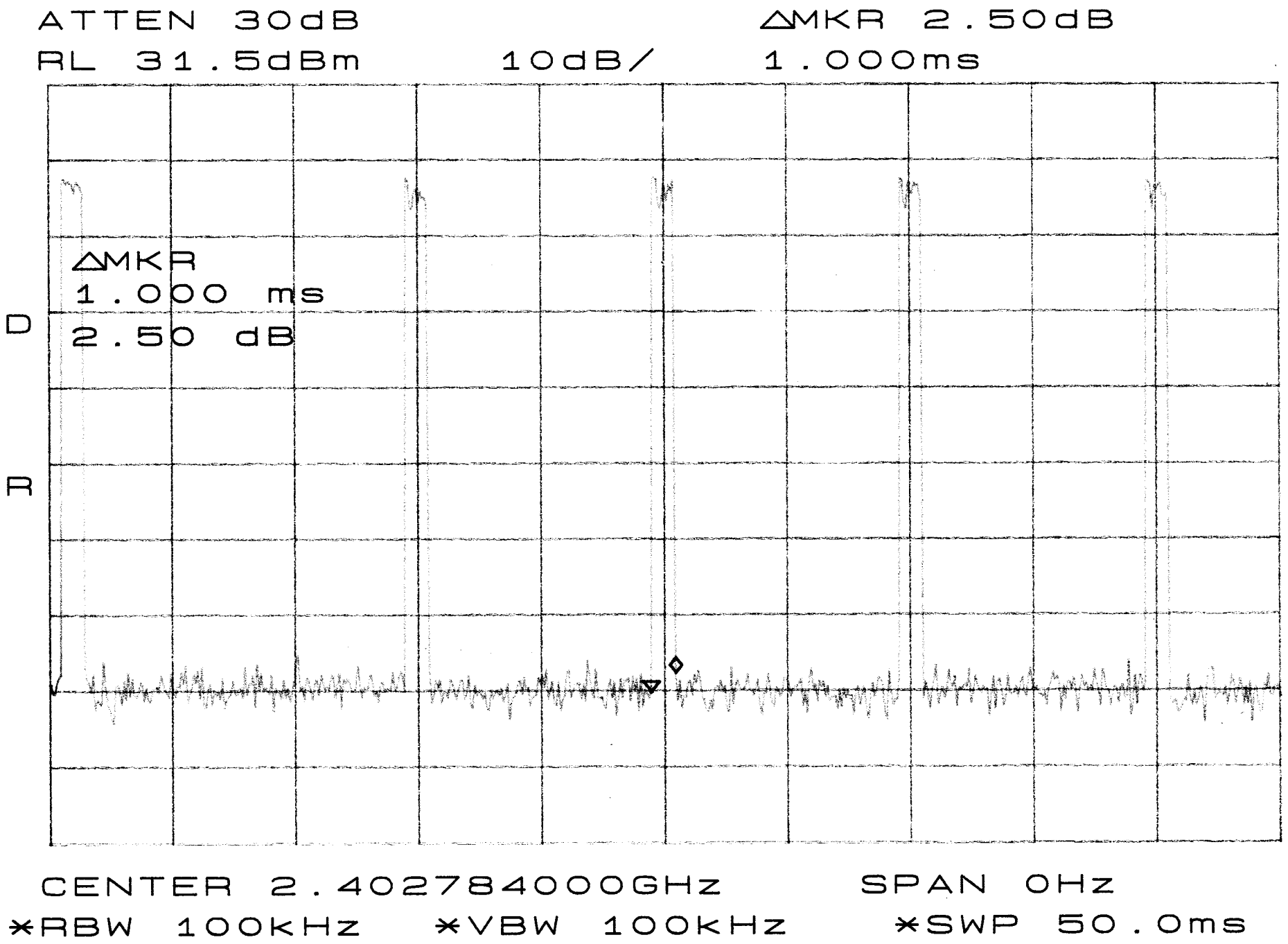

ATTEN 30dB
ΔMKR -.33dB
RL 31.5dBm
10dB/
663kHz
ΔMKR
663 kHz
-.33 dB
D
R
CENTER 2.402747GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
*SWP 200ms


ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR -.50dB
663kHz
ΔMKR
663 kHz
-.50 dB
D
R
CENTER 2.437344GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
*SWP 200ms

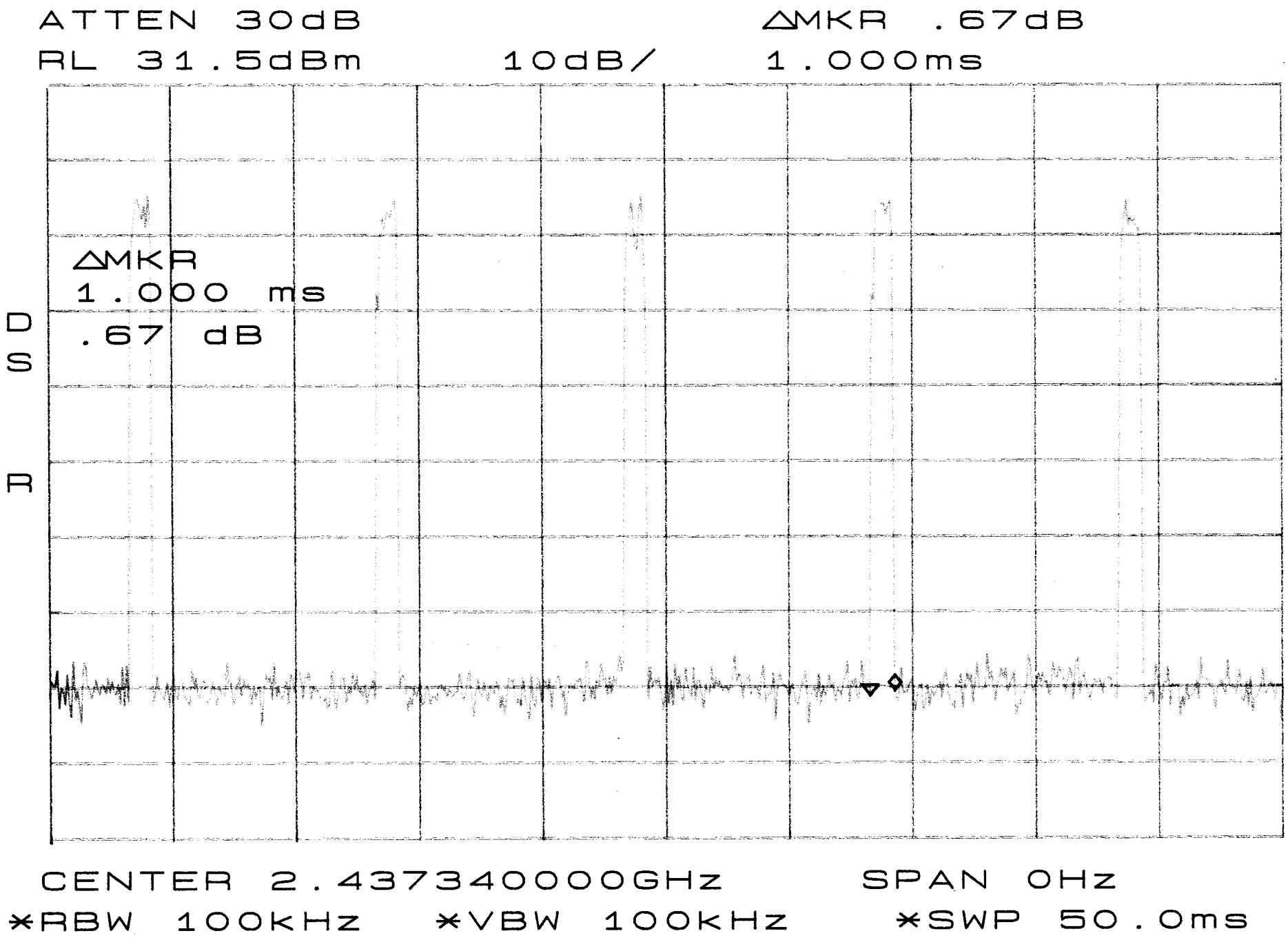

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR -.16dB
663kHz
ΔMKR
663 kHz
-.16 dB
D
R
CENTER 2.4796230GHz
SPAN 2.000MHz
*RBW 30kHz
*VBW 100kHz
*SWP 200ms

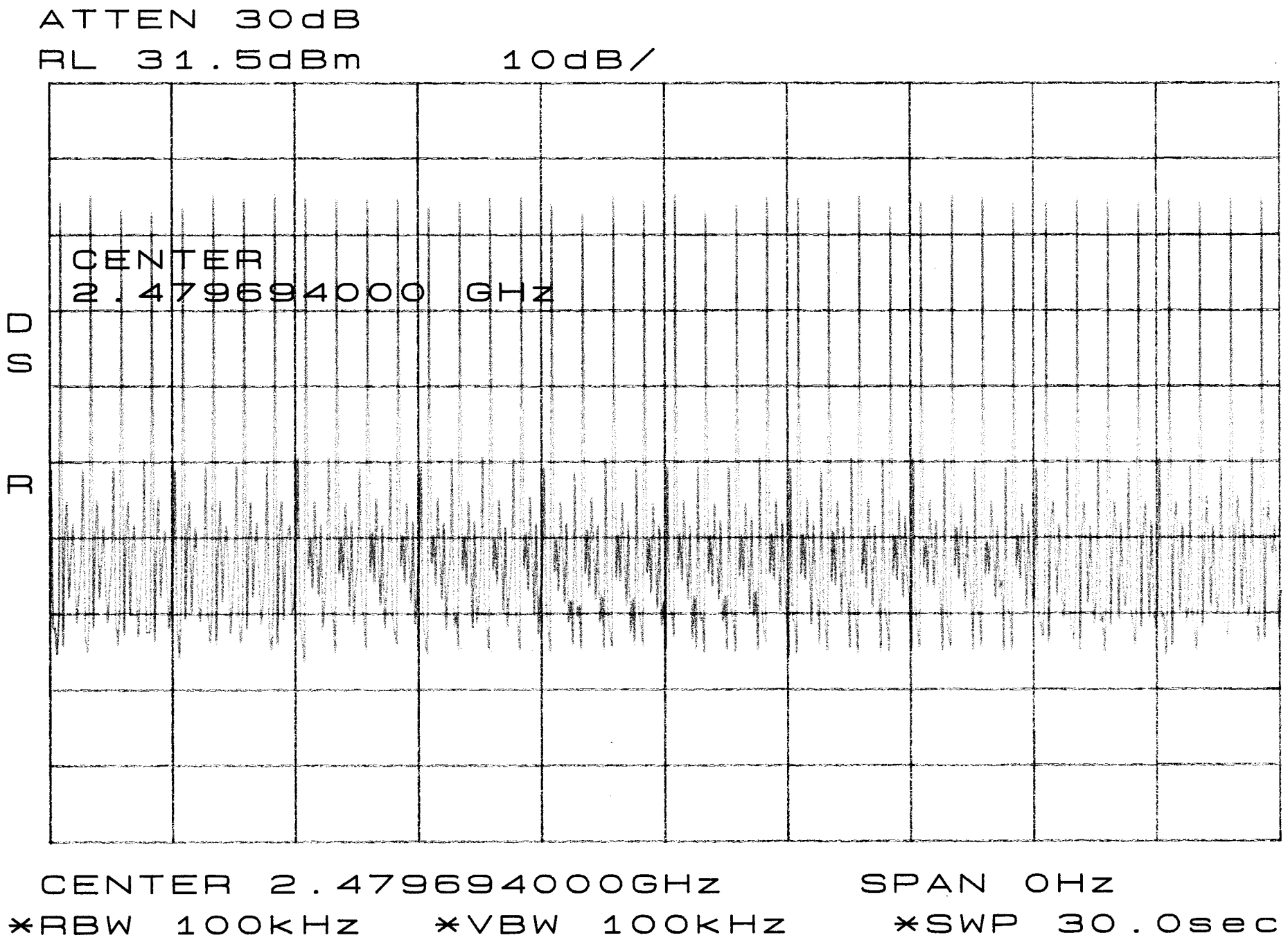
# Appendix 5 : Plotted Data for Channel Dwell Time

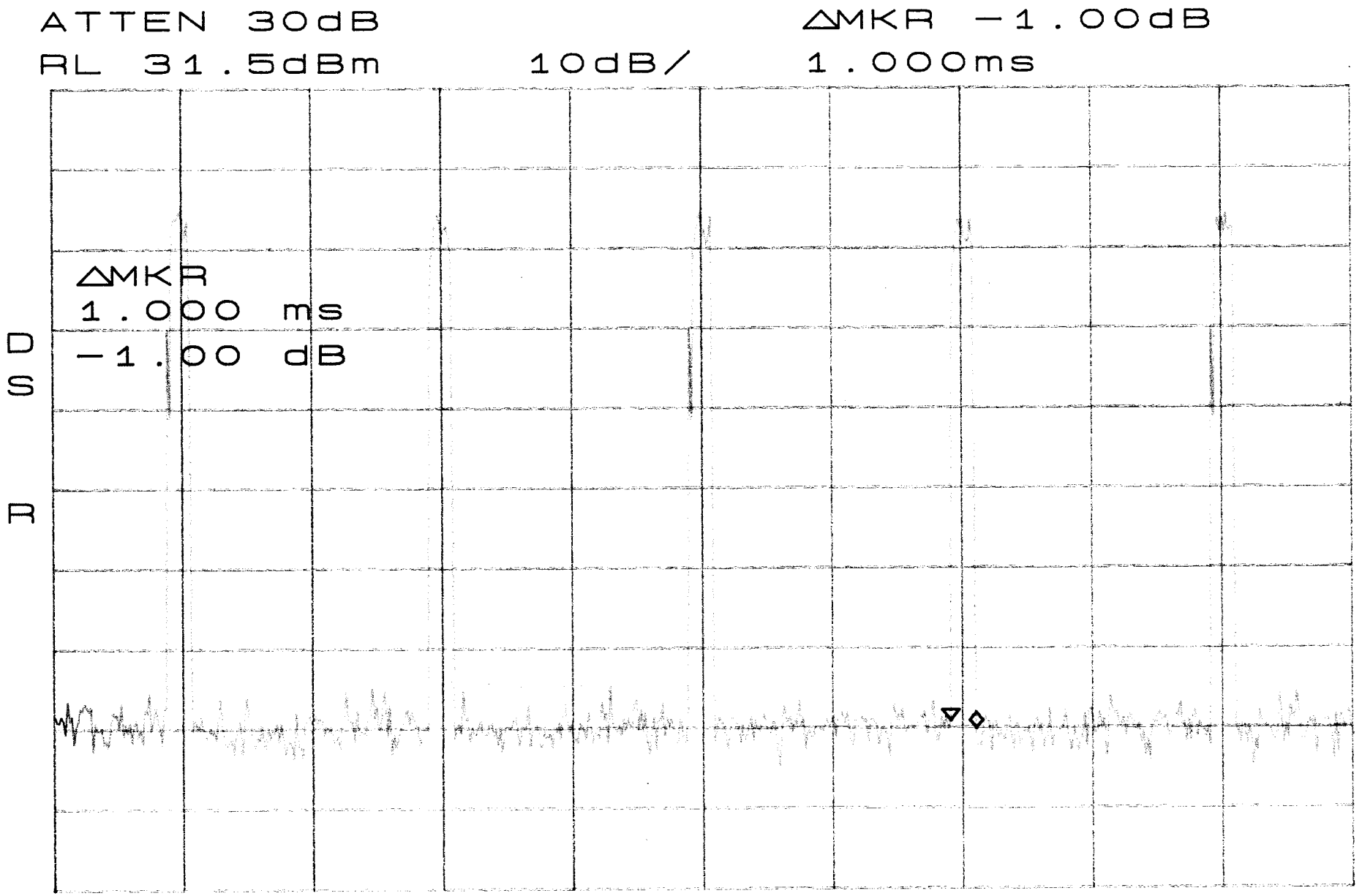

ATTEN 30dB
RL 31.5dBm
10dB/
D
S
R
CENTER 2.402784000GHz
SPAN 0Hz
*RBW 30kHz
*VBW 30kHz
*SWP 30.0sec

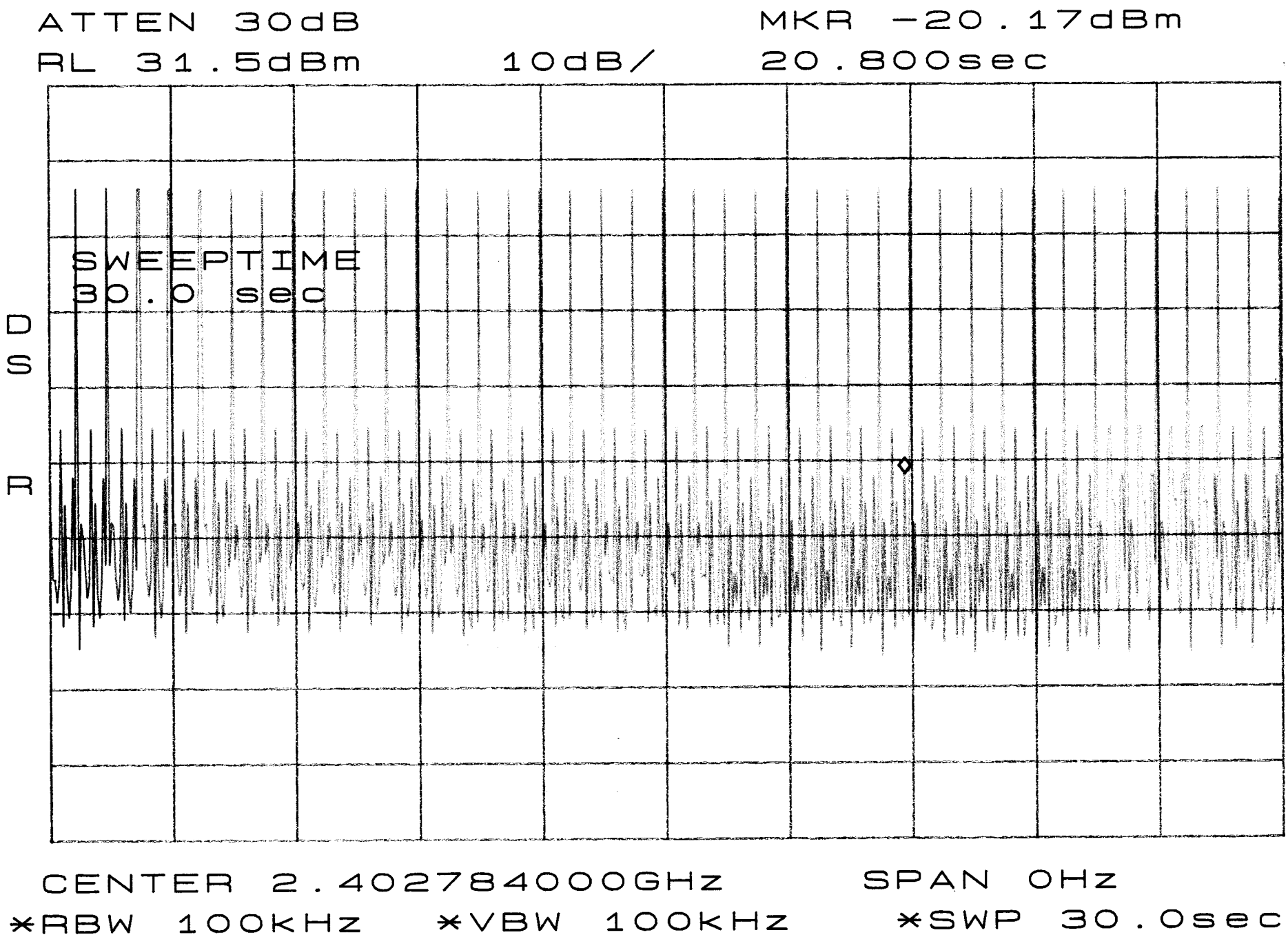

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR 2.50dB
1.000ms
ΔMKR
1.000 ms
2.50 dB
D
R
CENTER 2.402784000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 50.0ms

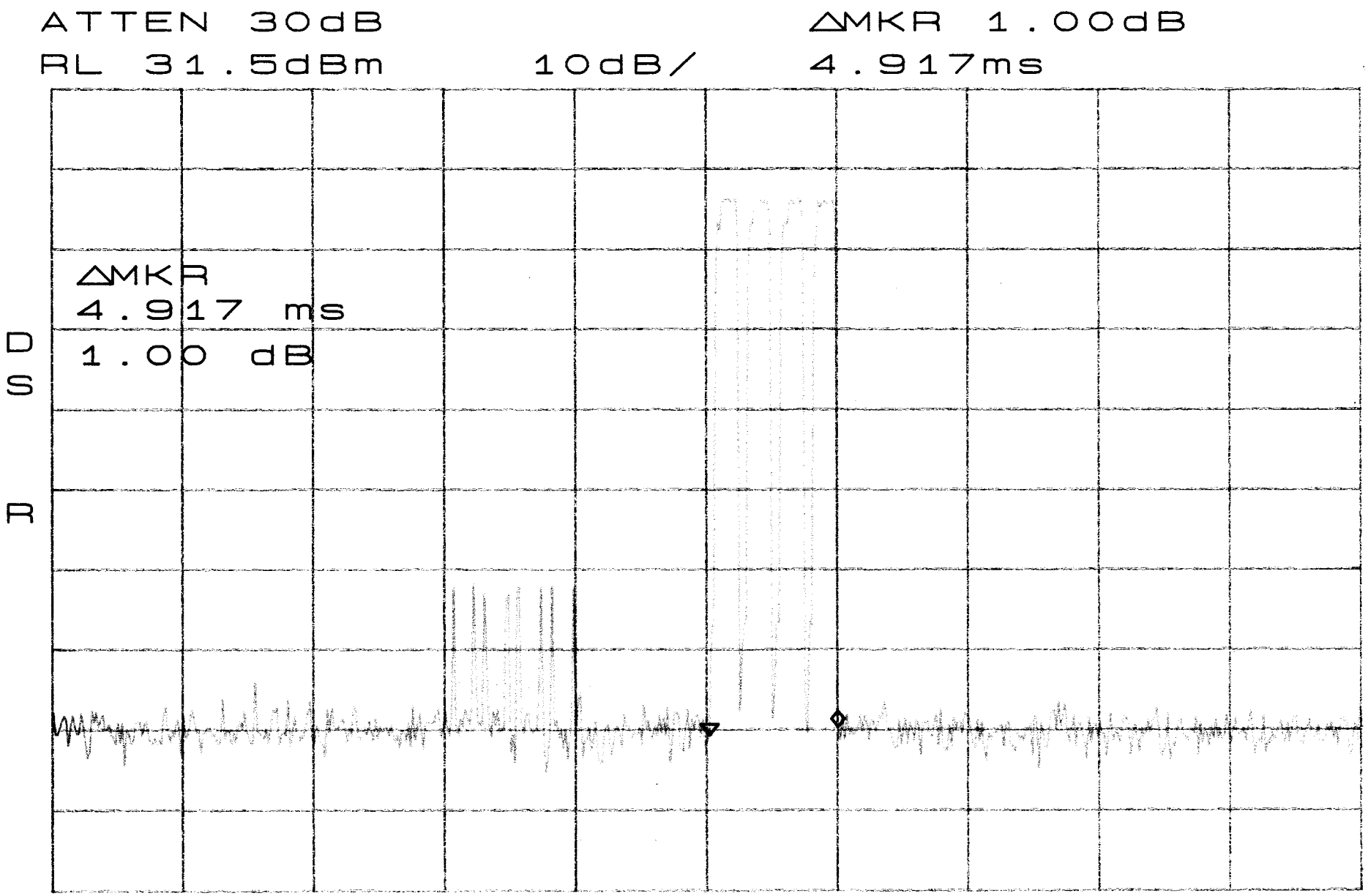

ATTEN 30dB
RL 31.5dBm
10dB/
D
S
R
CENTER 2.437340000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 30.0sec

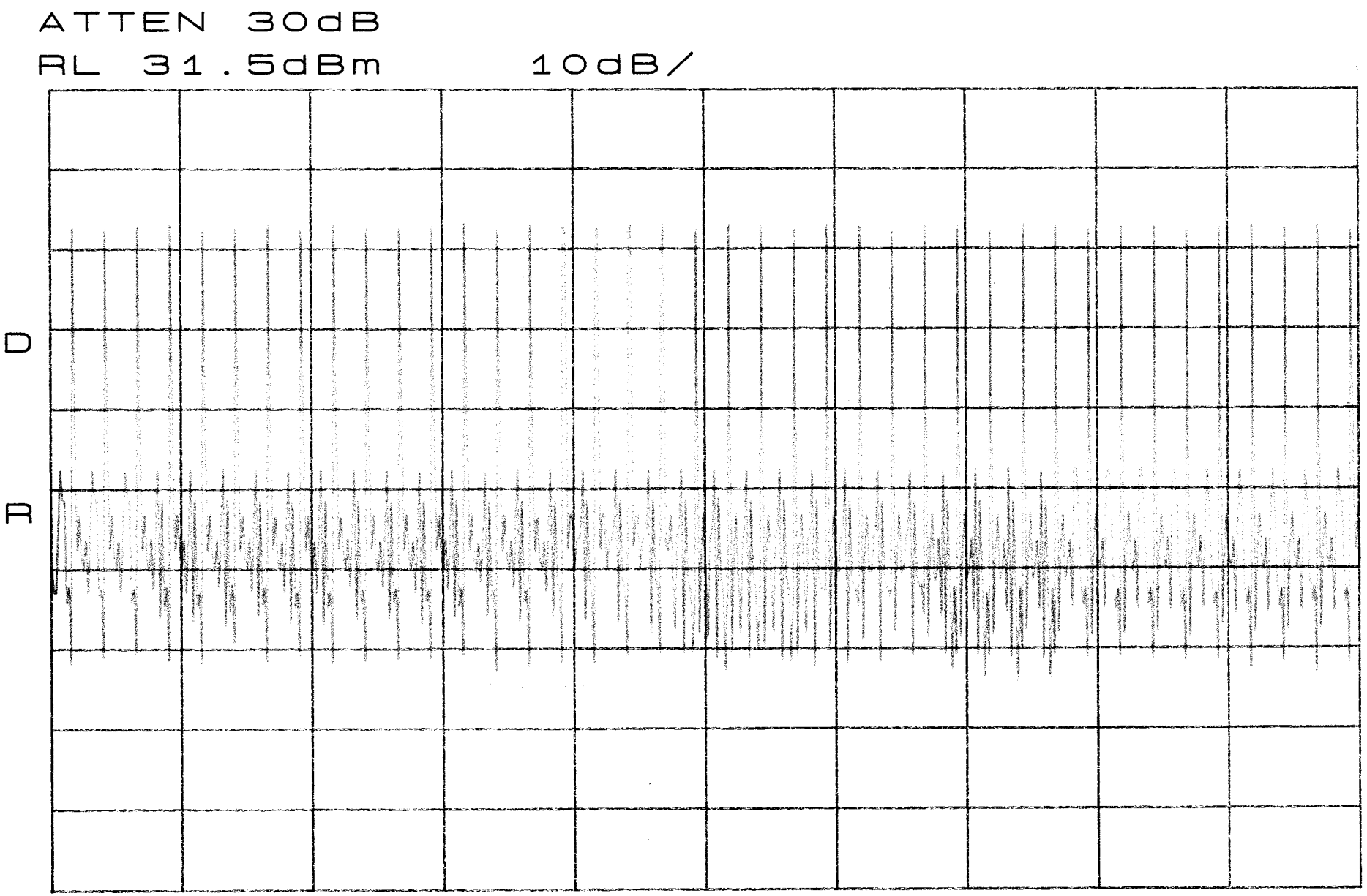

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR .67dB
1.000ms
ΔMKR
1.000 ms
.67 dB
D
S
R
CENTER 2.437340000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 50.0ms

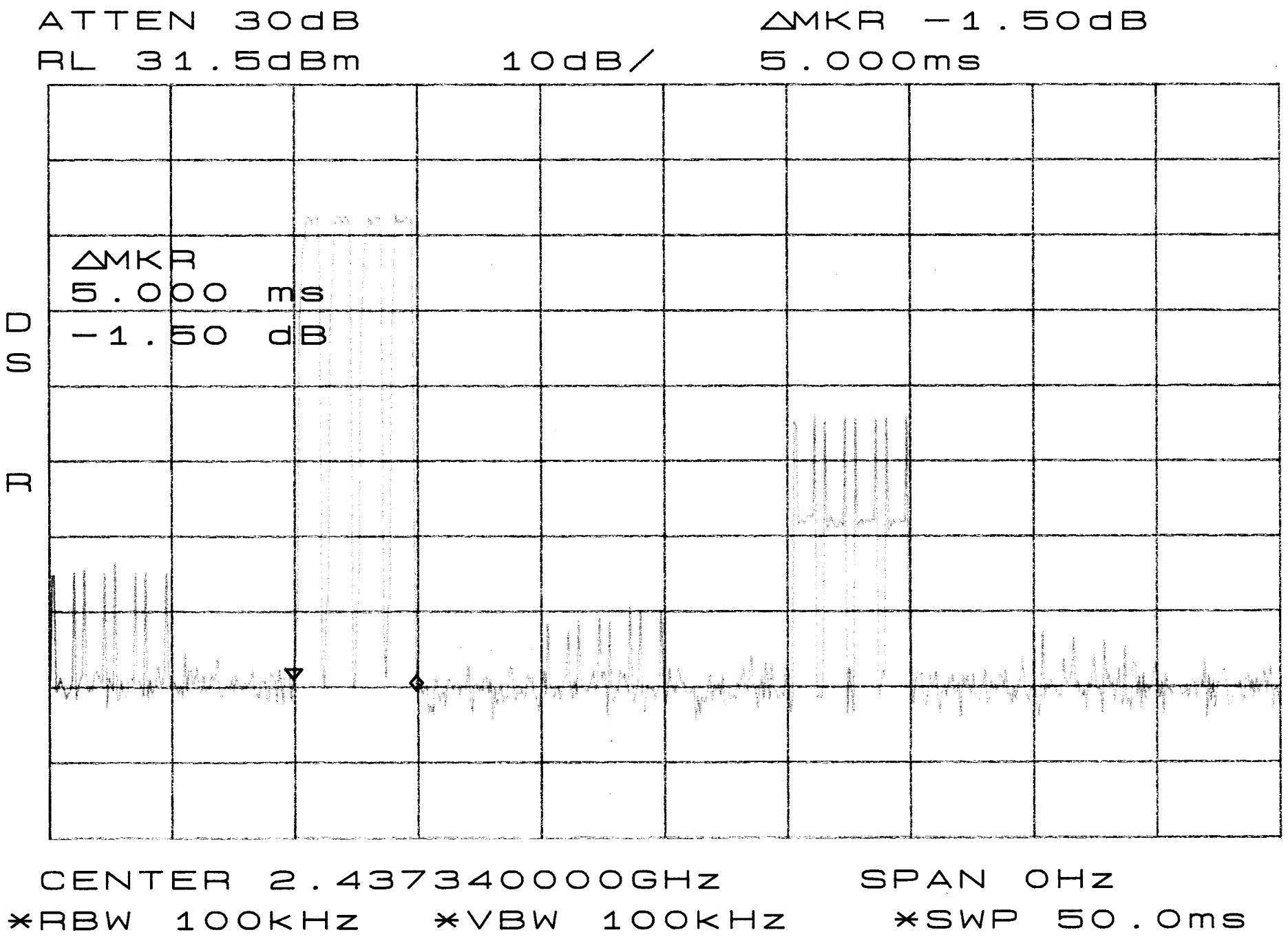

ATTEN 30dB
RL 31.5dBm
10dB/
CENTER
2.479694000 GHz
D
S
R
CENTER 2.479694000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 30.0sec

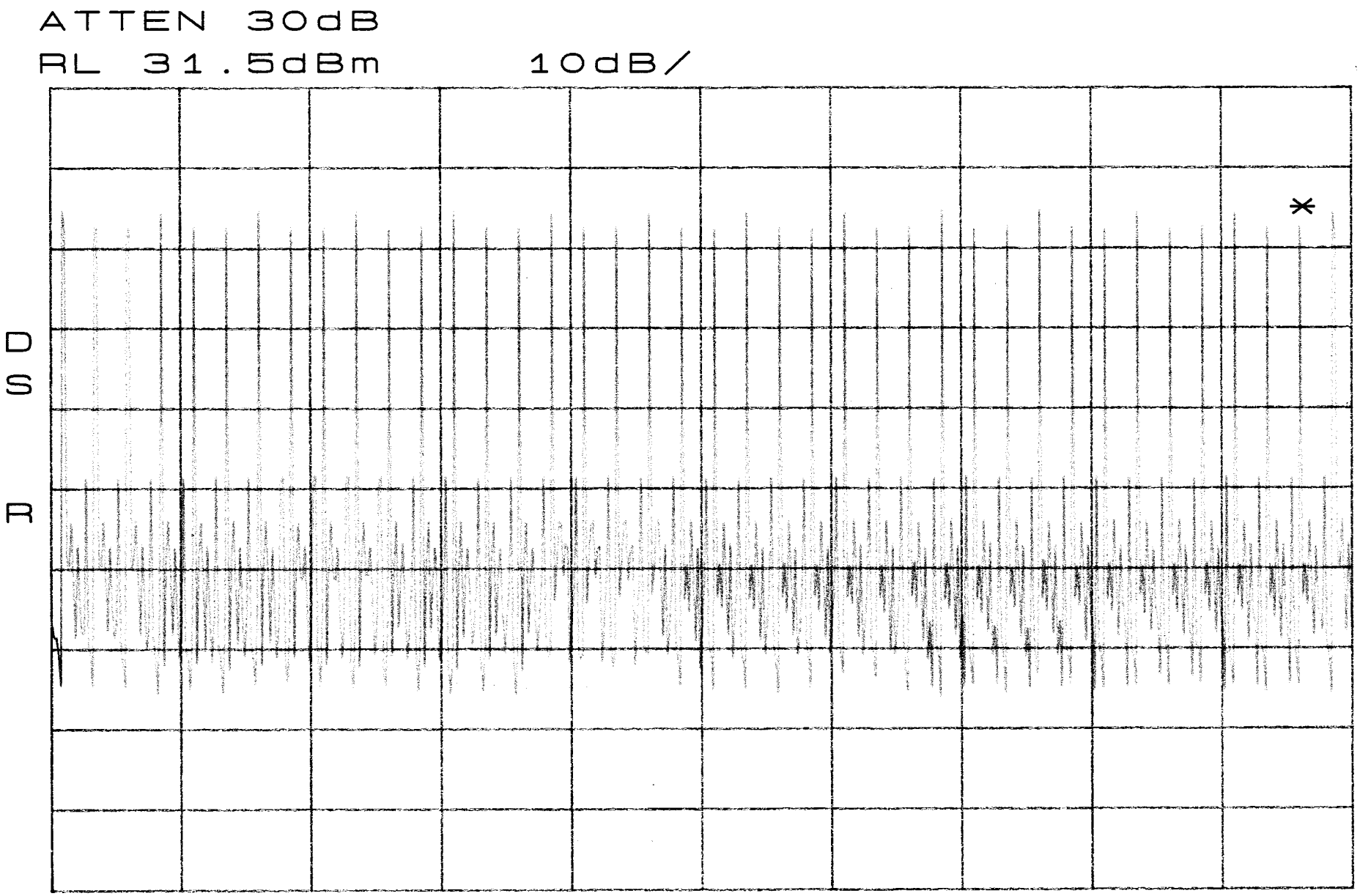

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR −1.00dB
1.000ms
ΔMKR
1.000 ms
−1.00 dB
D
S
R
CENTER 2.479694000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 50.0ms

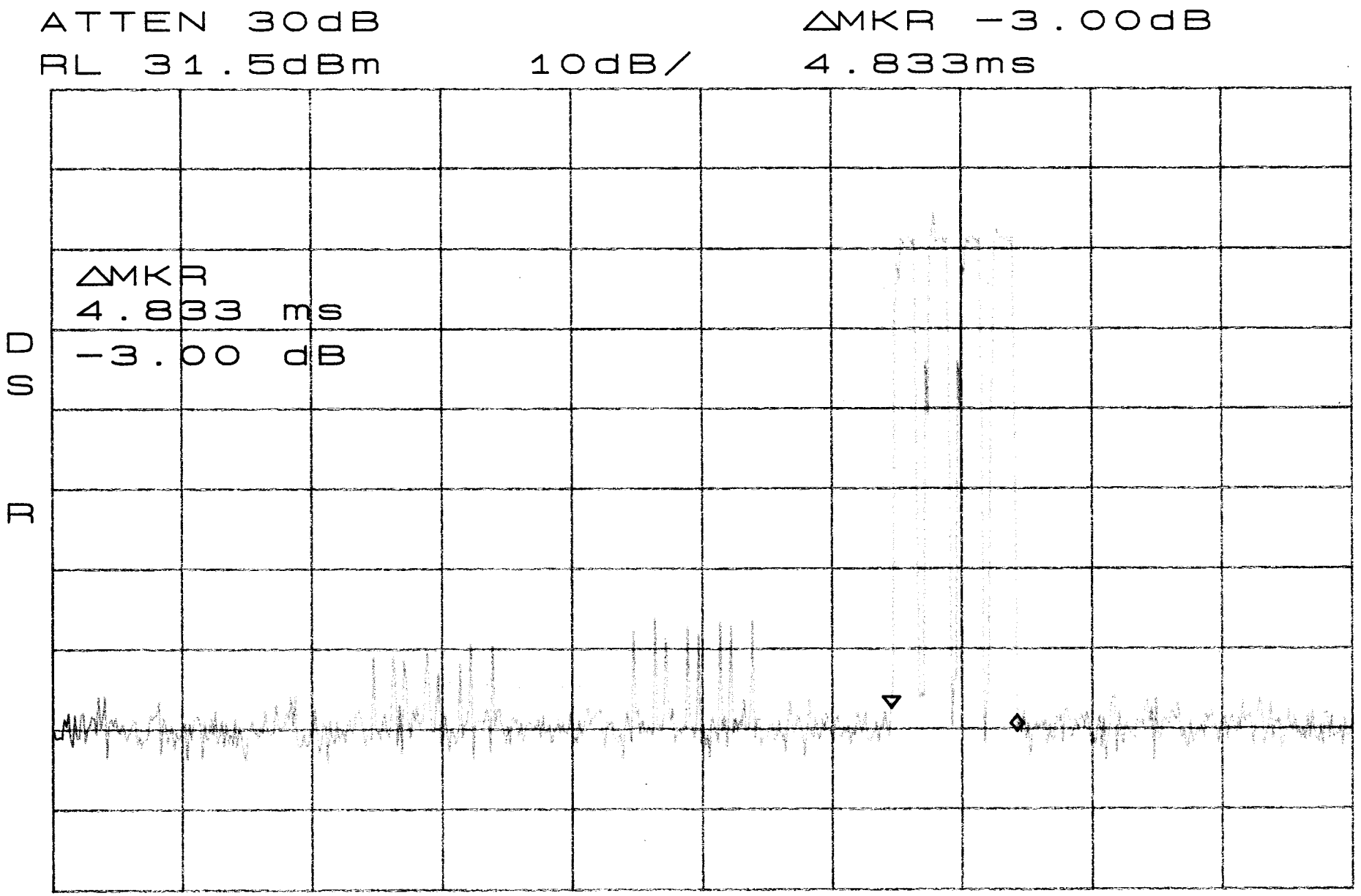

ATTEN 30dB
MKR -20.17dBm
RL 31.5dBm
10dB/
20.800sec
SWEEPTIME
30.0 sec
D
S
R
CENTER 2.402784000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 30.0sec


ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR 1.00dB
4.917ms
ΔMKR
4.917 ms
1.00 dB
D
S
R
CENTER 2.402784000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 50.0ms

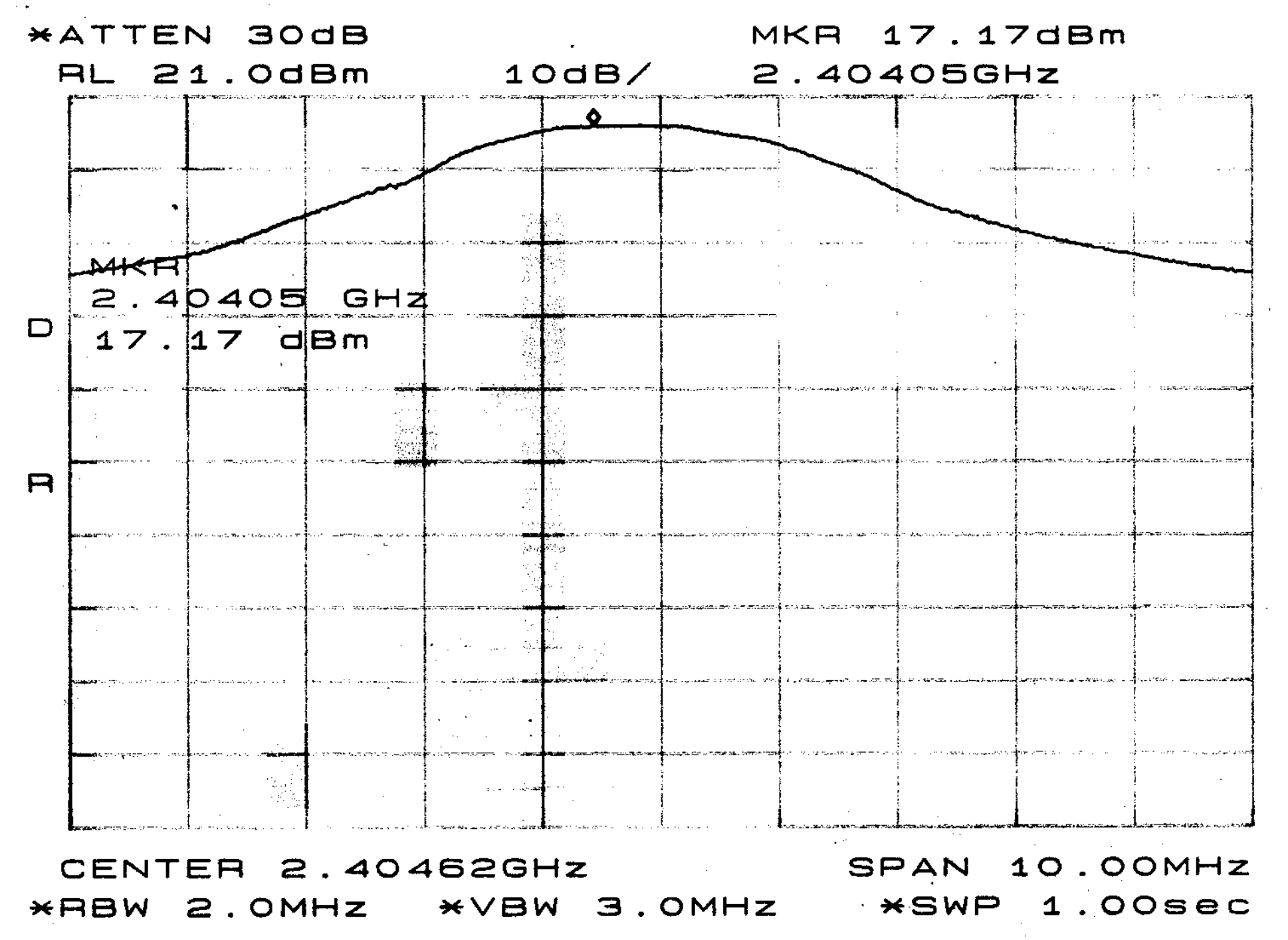

ATTEN 30dB
RL 31.5dBm
10dB/
D
R
CENTER 2.437344000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 30.0sec

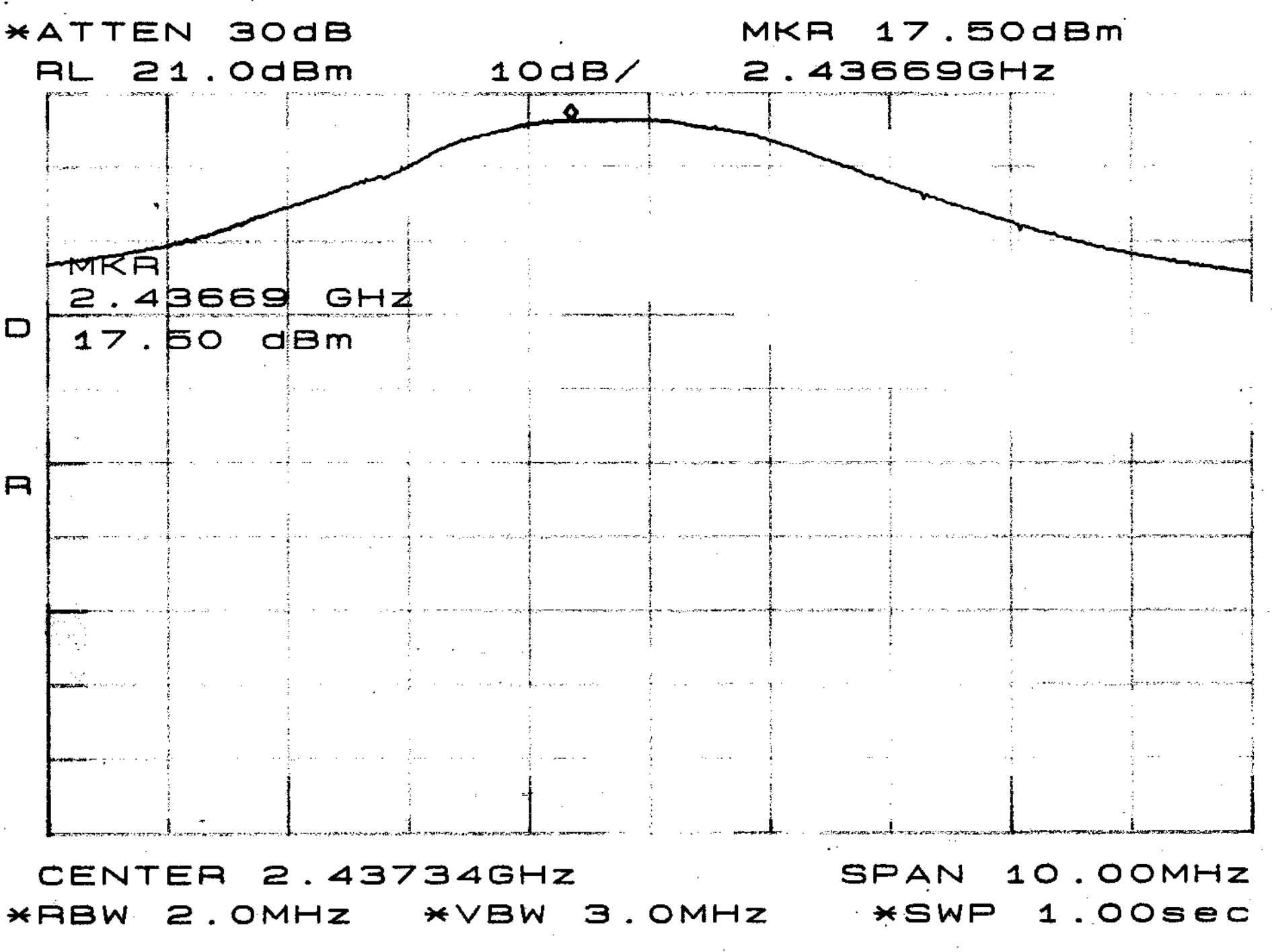

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR −1.50dB
5.000ms
ΔMKR
5.000 ms
−1.50 dB
D
S
R
CENTER 2.437340000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 50.0ms

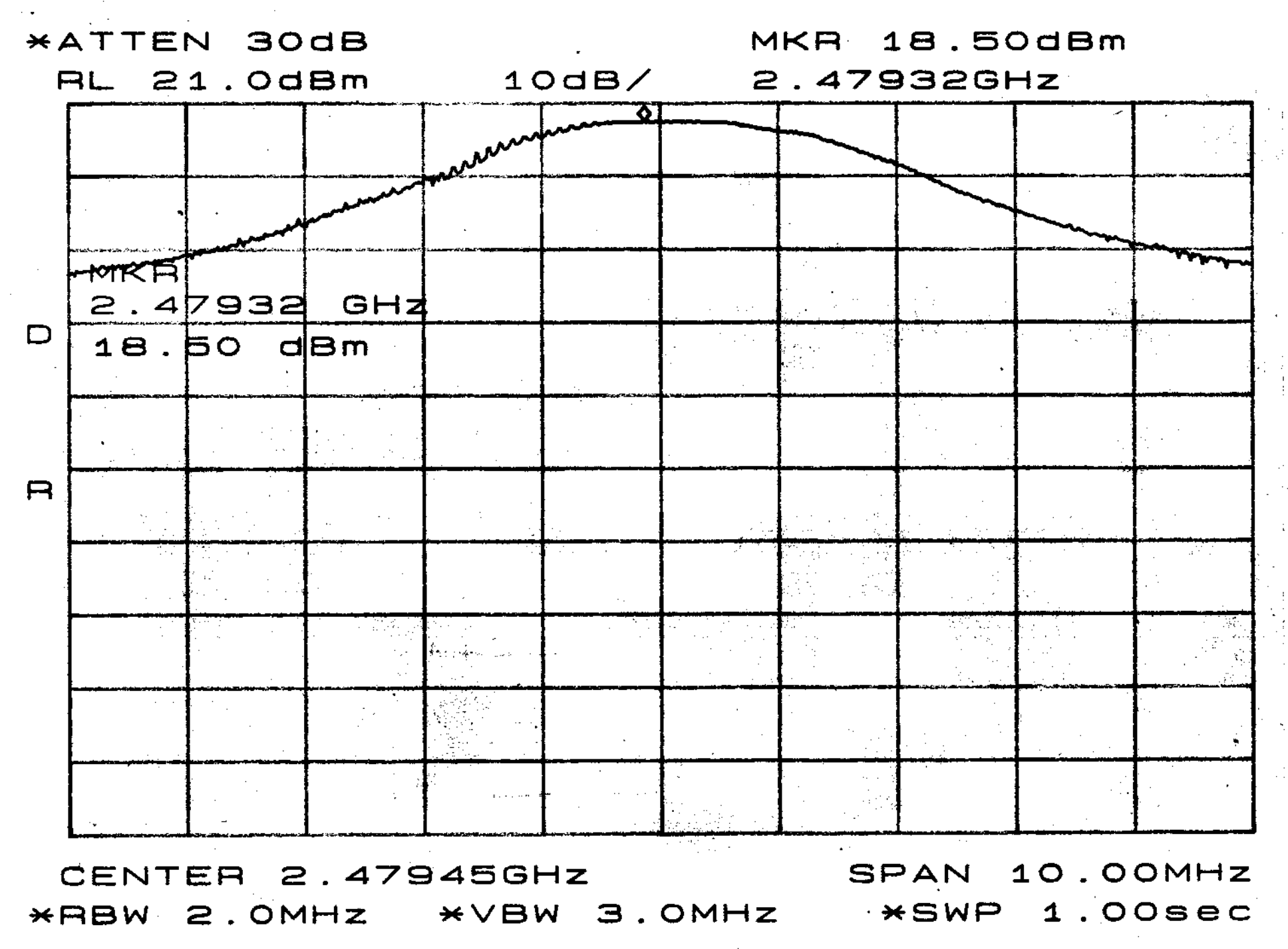

ATTEN 30dB
RL 31.5dBm
10dB/
D
S
R
*
CENTER 2.479697000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 30.0sec

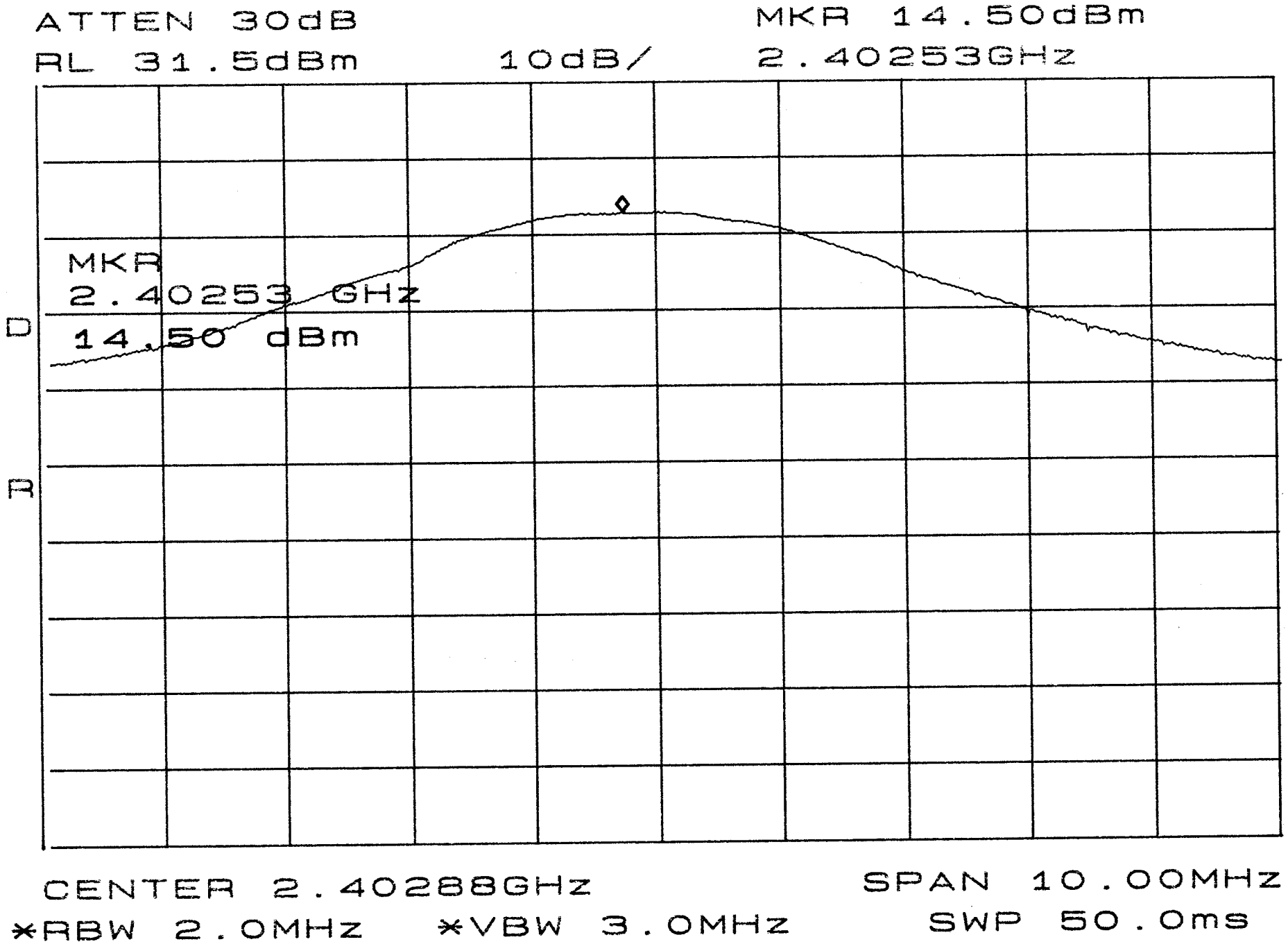

ATTEN 30dB
RL 31.5dBm
10dB/
ΔMKR -3.00dB
4.833ms
ΔMKR
4.833 ms
-3.00 dB
D
S
R
CENTER 2.479697000GHz
SPAN 0Hz
*RBW 100kHz
*VBW 100kHz
*SWP 50.0ms

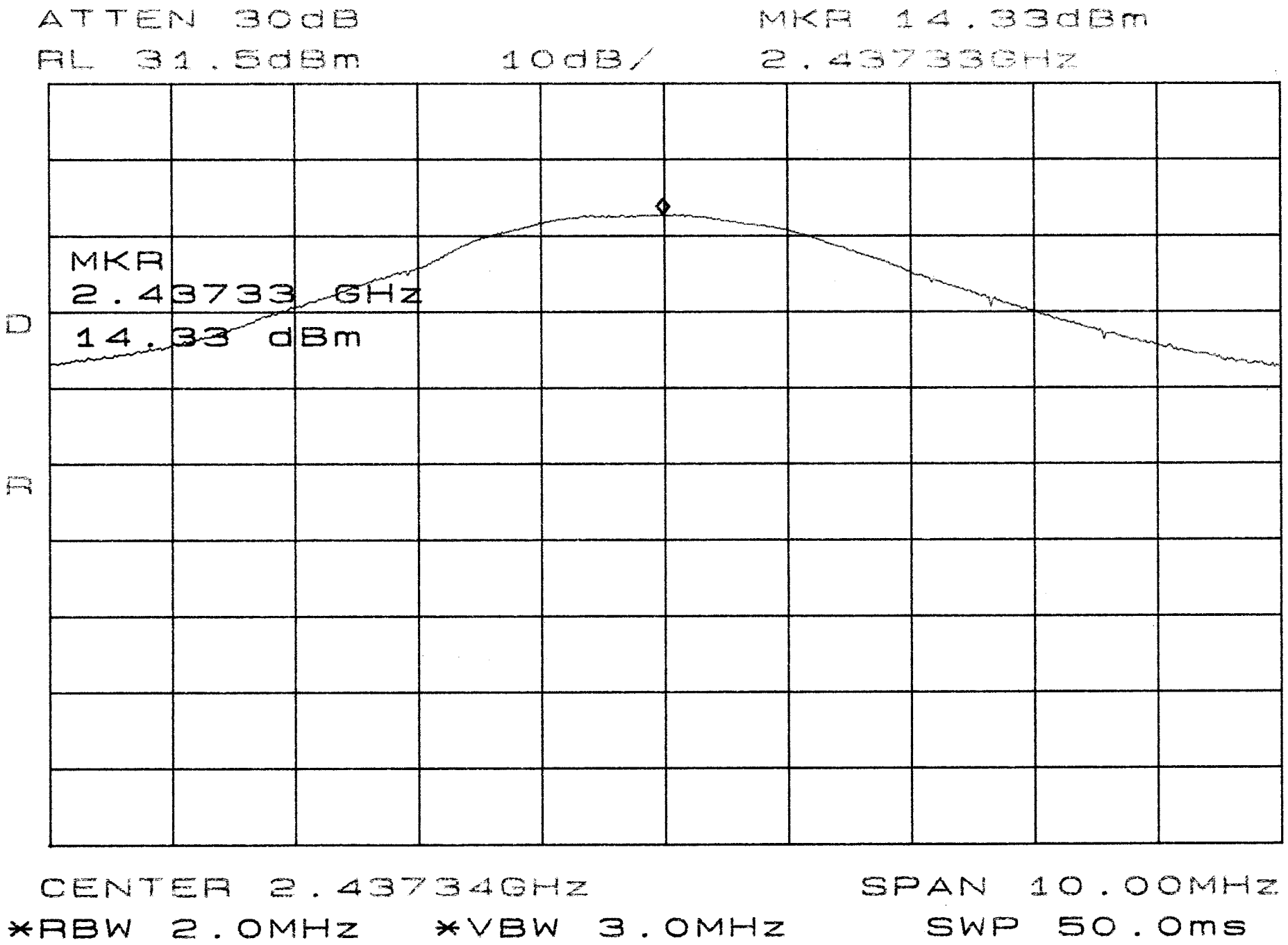
# Appendix 6 : Plotted Data for Output Peak Power

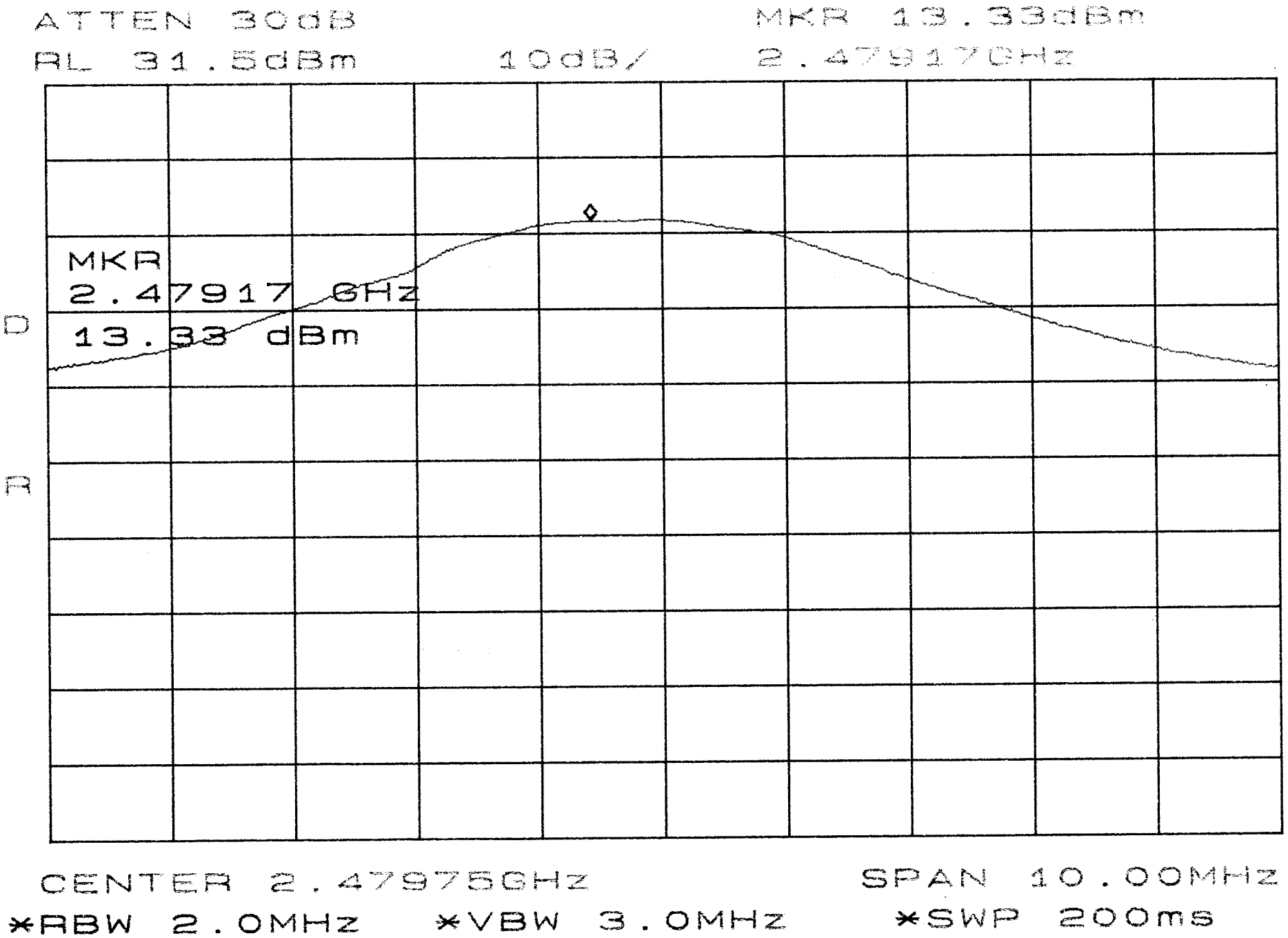

*ATTEN 30dB
MKR 17.17dBm
RL 21.0dBm
10dB/
2.40405GHz
MKR
2.40405 GHz
17.17 dBm
D
R
CENTER 2.40462GHz
SPAN 10.00MHz
*RBW 2.0MHz
*VBW 3.0MHz
*SWP 1.00sec


*ATTEN 30dB
MKR 17.50dBm
RL 21.0dBm
10dB/
2.43669GHz
MKR
2.43669 GHz
17.50 dBm
D
R
CENTER 2.43734GHz
SPAN 10.00MHz
*RBW 2.0MHz
*VBW 3.0MHz
*SWP 1.00sec

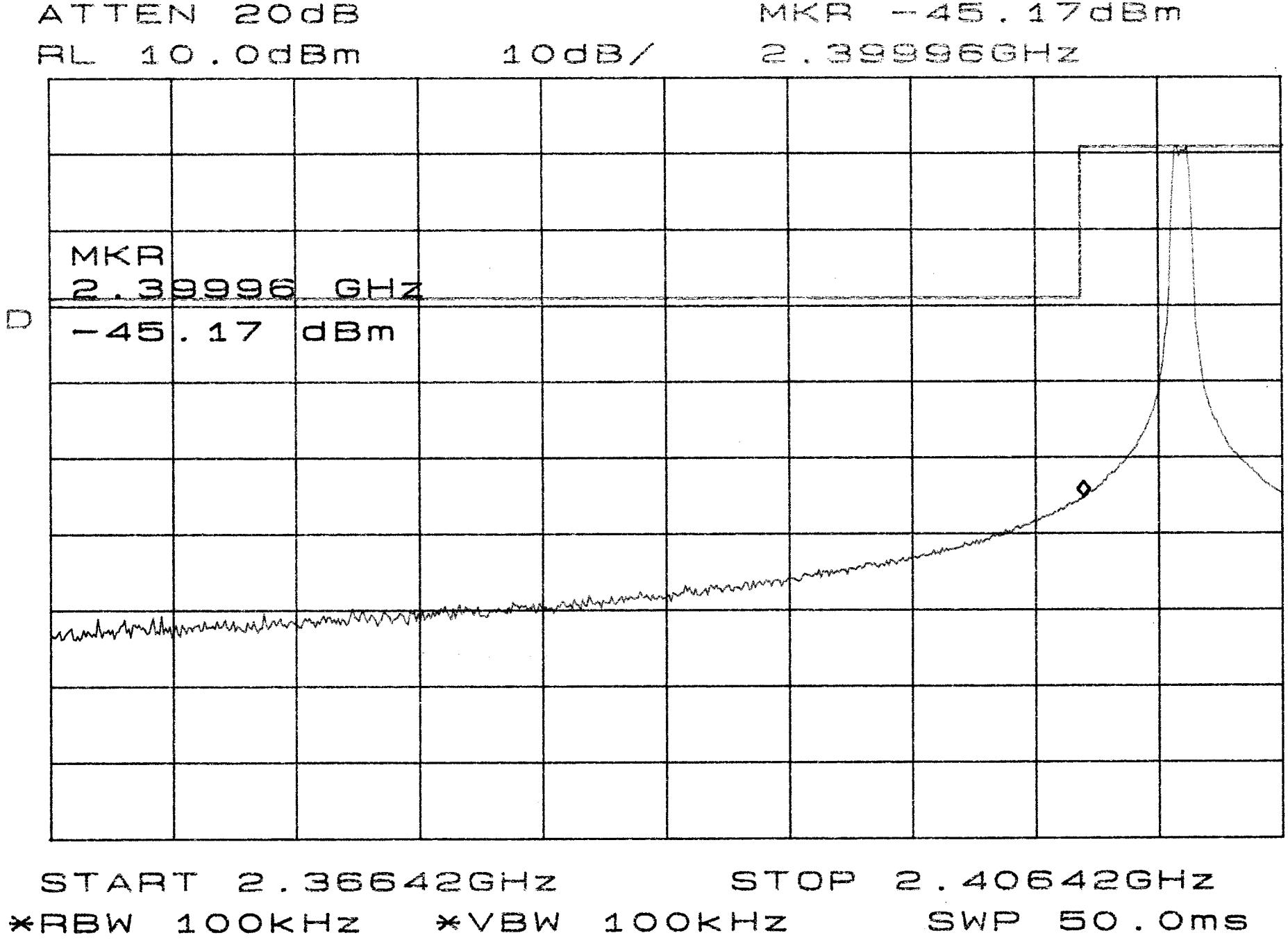

*ATTEN 30dB
MKR 18.50dBm
RL 21.0dBm
10dB/
2.47932GHz
MKR
2.47932 GHz
18.50 dBm
D
R
CENTER 2.47945GHz
SPAN 10.00MHz
*RBW 2.0MHz
*VBW 3.0MHz
*SWP 1.00sec

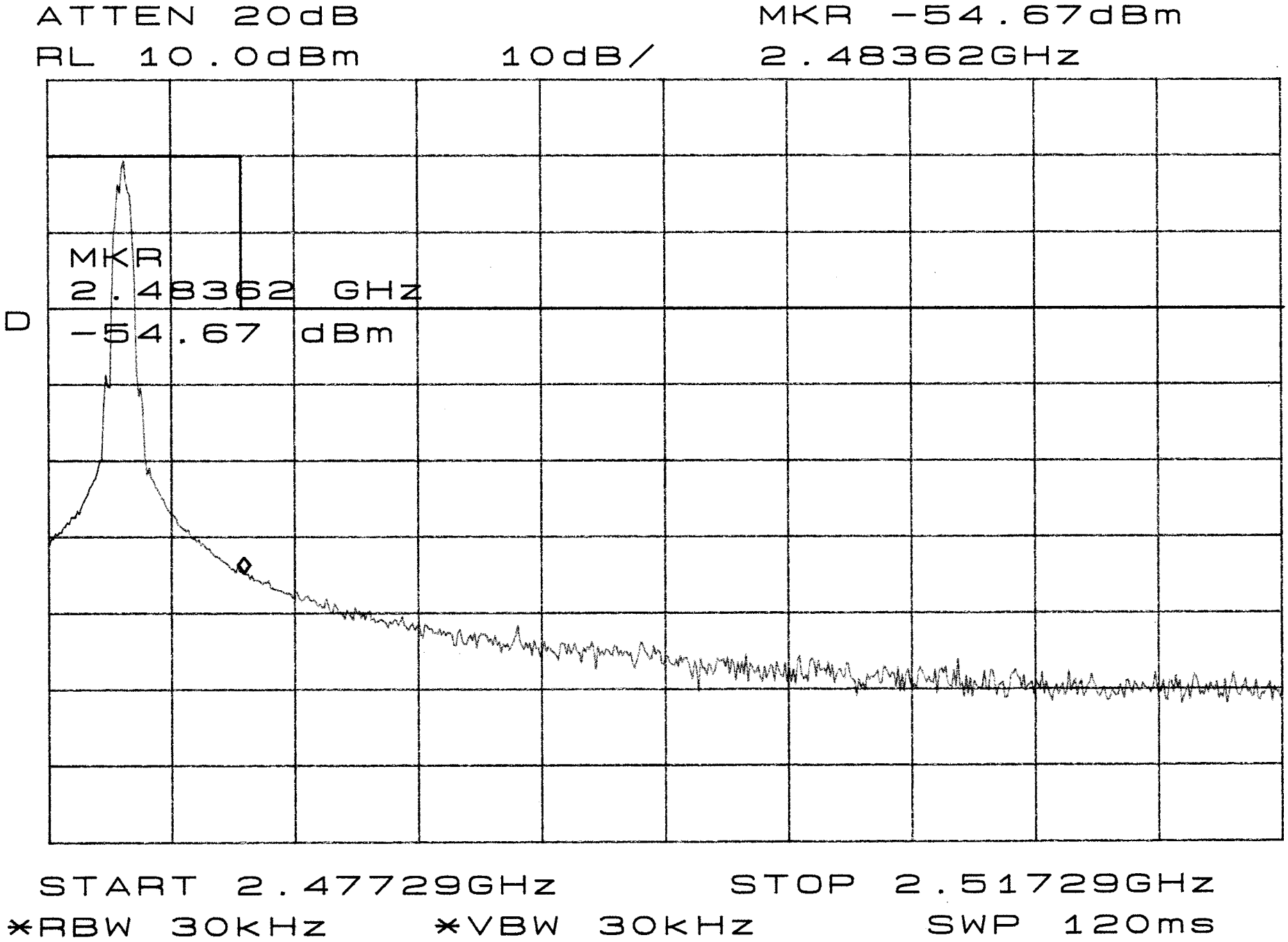

ATTEN 30dB
RL 31.5dBm
10dB/
MKR 14.50dBm
2.402536GHz
MKR
2.40253 GHz
14.50 dBm
D
R
CENTER 2.402886GHz
SPAN 10.00MHz
*RBW 2.0MHz
*VBW 3.0MHz
SWP 50.0ms


ATTEN 30dB
RL 31.5dBm
10dB/
MKR 14.33dBm
2.437330GHz
MKR
2.43733 GHz
14.33 dBm
CENTER 2.437340GHz
SPAN 10.00MHz
*RBW 2.0MHz
*VBW 3.0MHz
SWP 50.0ms

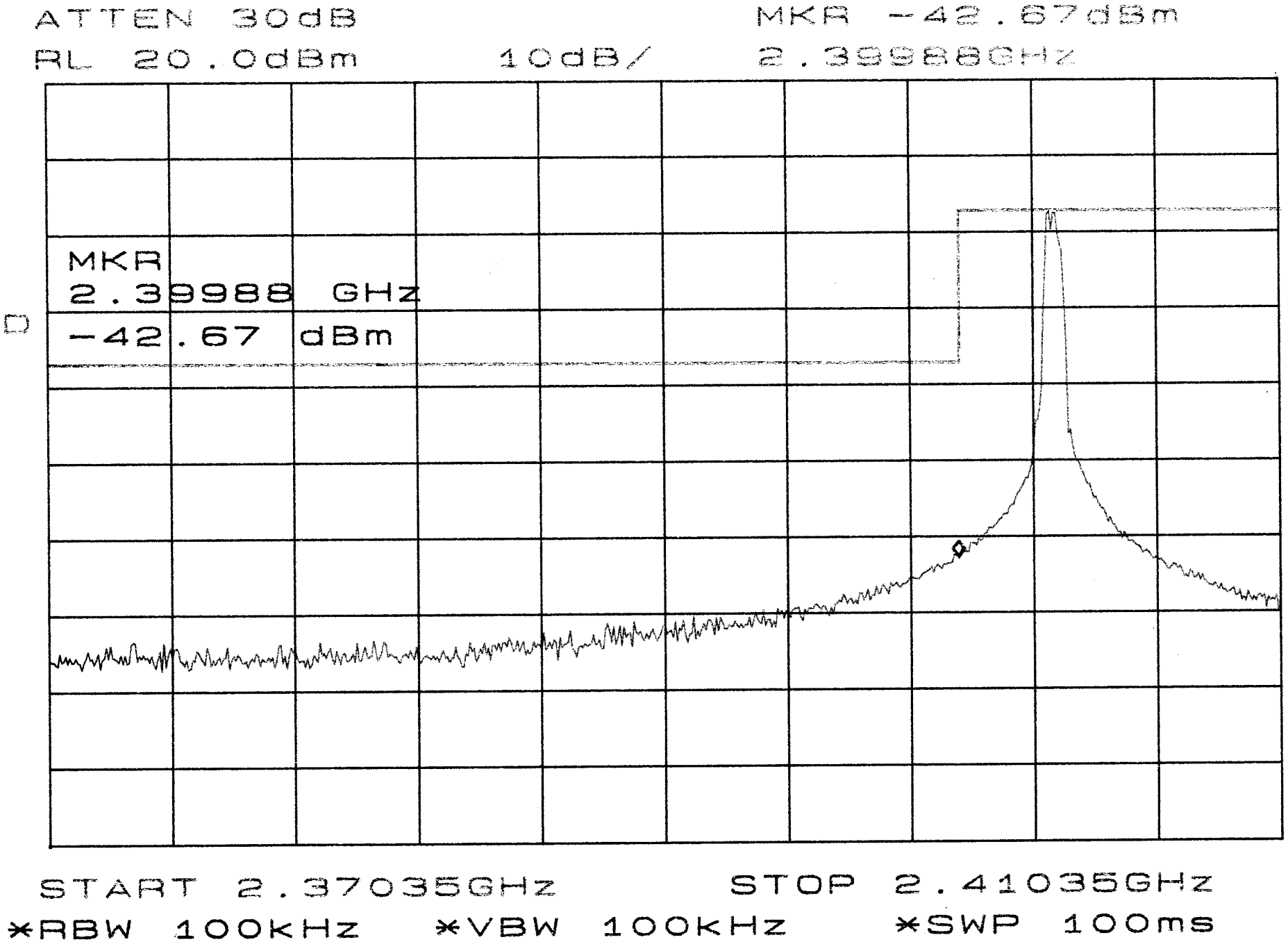

ATTEN 30dB
RL 31.5dBm
10dB/
MKR 13.33dBm
2.479170GHz
MKR
2.47917 GHz
13.33 dBm
D
R
CENTER 2.479750GHz
SPAN 10.00MHz
*RBW 2.0MHz
*VBW 3.0MHz
*SWP 200ms

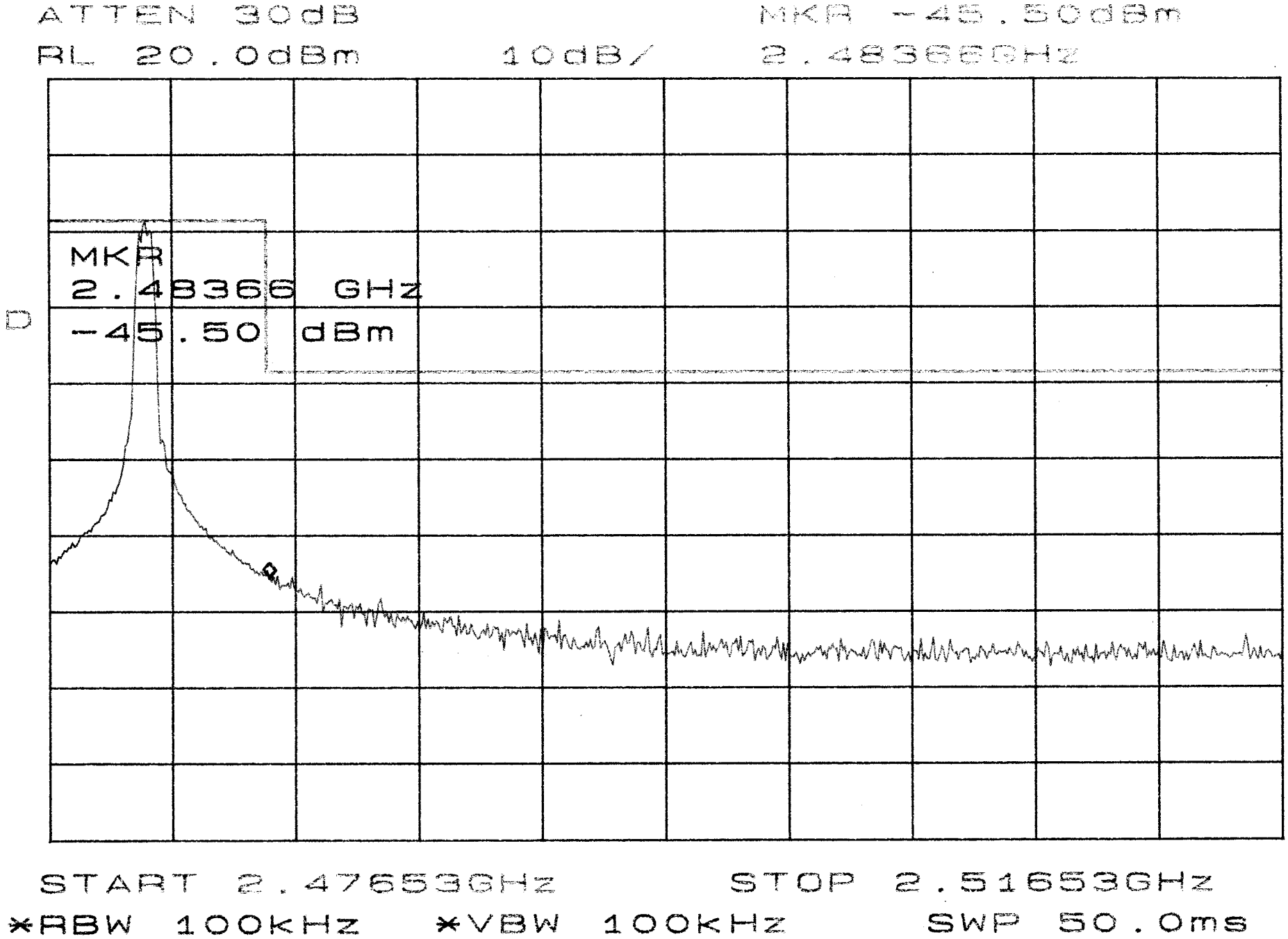
# Appendix 7 : Plotted Data for 100 kHz Bandwidth from Band Edge


ATTEN 20dB
MKR -45.17dBm
RL 10.0dBm
10dB/
2.39996GHz
MKR
2.39996 GHz
-45.17 dBm
START 2.36642GHz
STOP 2.40642GHz
*RBW 100kHz
*VBW 100kHz
SWP 50.0ms


ATTEN 20dB
MKR -54.67dBm
RL 10.0dBm
10dB/
2.48362GHz
MKR
2.48362 GHz
-54.67 dBm
D
START 2.47729GHz
STOP 2.51729GHz
*RBW 30kHz
*VBW 30kHz
SWP 120ms

Handset


ATTEN 30dB
RL 20.0dBm
10dB/
MKR -42.67dBm
2.399886GHz
MKR
2.39988 GHz
-42.67 dBm
START 2.37035GHz
STOP 2.41035GHz
*RBW 100kHz
*VBW 100kHz
*SWP 100ms


ATTEN 30dB
RL 20.0dBm
10dB/
MKR -45.50dBm
2.483660GHz
MKR
2.48366 GHz
-45.50 dBm
D
START 2.476536GHz
STOP 2.516536GHz
*RBW 100kHz
*VBW 100kHz
SWP 50.0ms