

XDD-1000C Spectrum

Federal Regulation 2.1049, Occupied bandwidth
for XDD-1000C Meteorological Radar

Pulse width = 1 usec

PRF=500 Hz

Frequency=5560 MHz

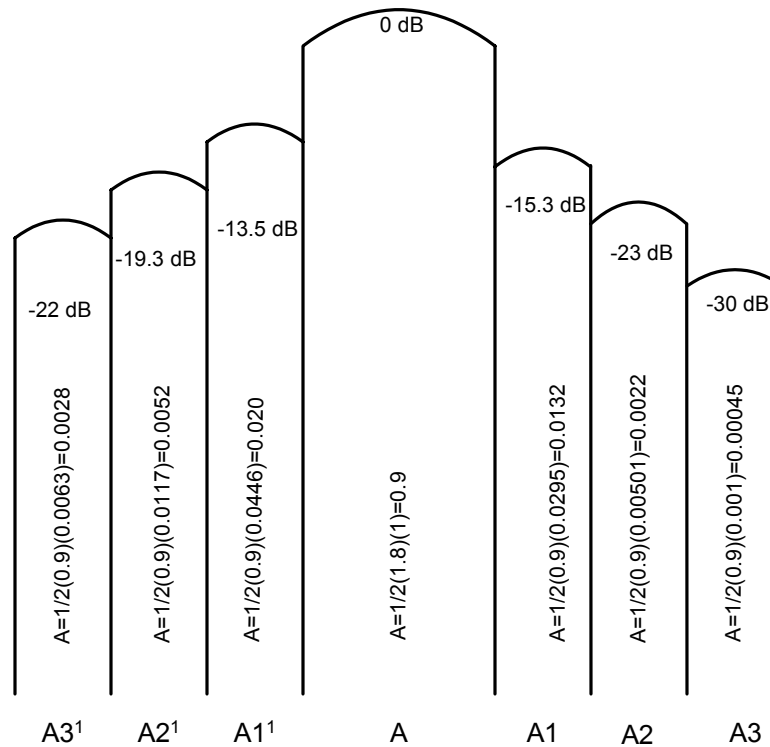
Major Lobe Width = 1.8 MHz

Minor Lobe Width = 0.9 MHz

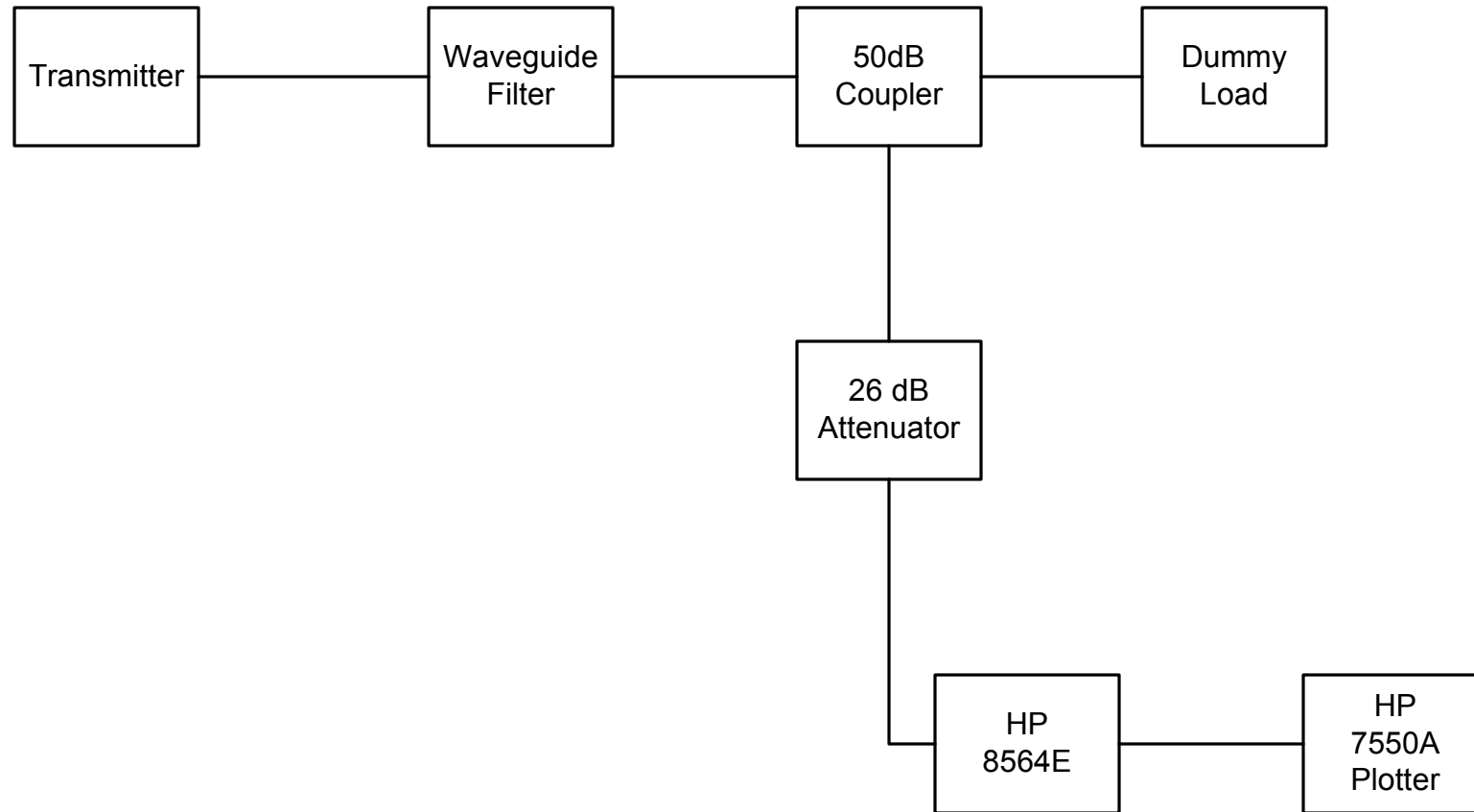
Lobe Area = $1/2 \text{ Lobe Width} \left(\frac{1}{\log^{-1} \frac{\text{dB}}{10}} \right)$

Mean Radiated Power + $0.94385 \times .99 = 0.9344115$

Emission Designator 12M5P0N



Test Setup for RF Emissions Data & Occupied Bandwidth



ATTEN 10dB

RL -10.0dBm

10dB/

MKR -31.00dBm

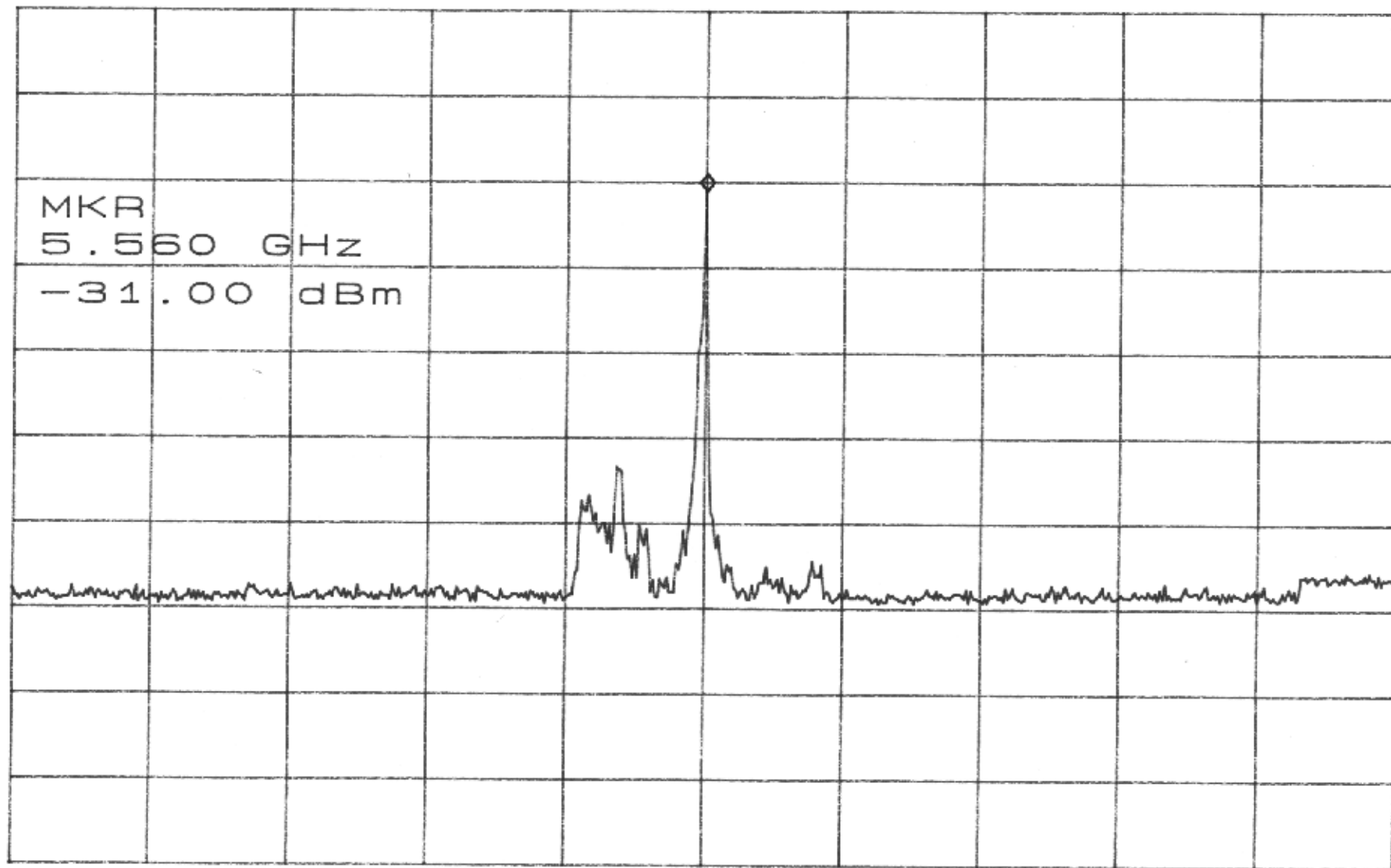
5.560GHz

T
D

MKR

5.560 GHz

-31.00 dBm



CENTER 5.560GHz

SPAN 2.000GHz

*RBW 300KHz *VBW 30KHz

*SWP 2.00sec

ATTEN 10dB

RL -10.0dBm

10dB/

MKR -31.17dBm

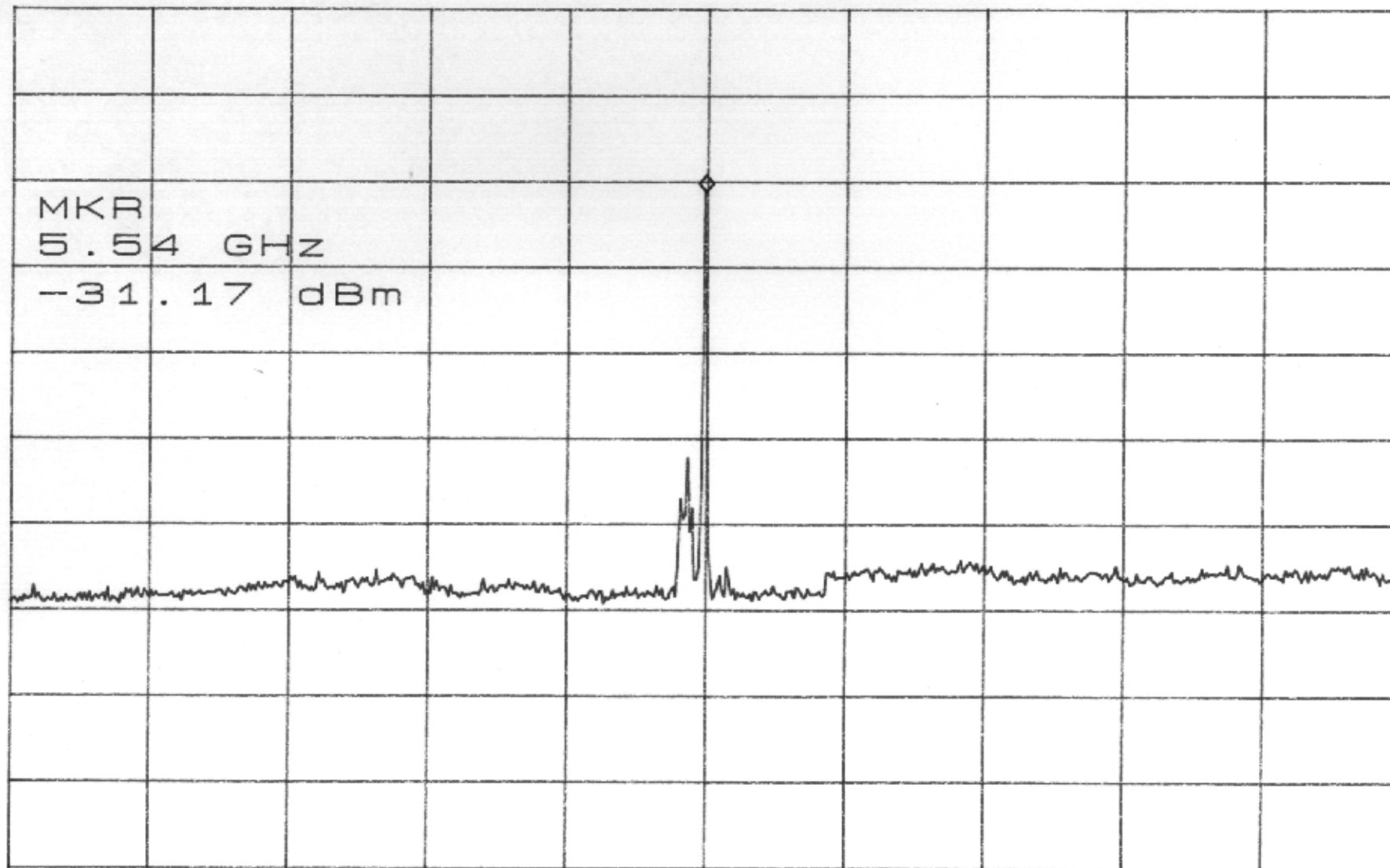
5.54GHz

T
D

MKR

5.54 GHz

-31.17 dBm



CENTER 5.56GHz

SPAN 10.00GHz

*RBW 300KHz

*VBW 30KHz

*SWP 20.0sec

Test Setup for RF Emissions Data & Occupied Bandwidth

