

XDD-1000C Spectrum

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

Pulse width = 1 usec

PRF=500 Hz

Frequency=5560 MHz

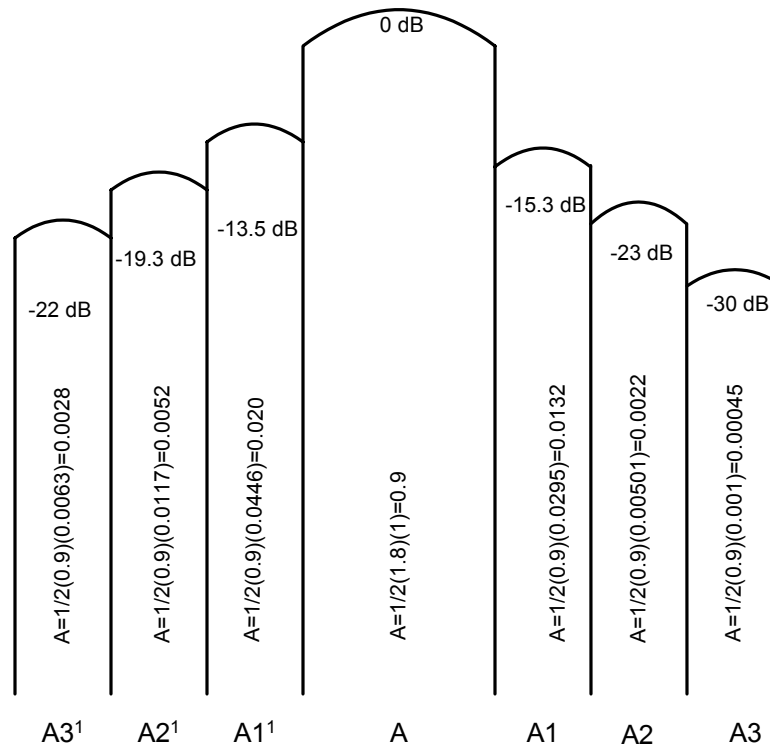
Major Lobe Width = 1.8 MHz

Minor Lobe Width = 0.9 MHz

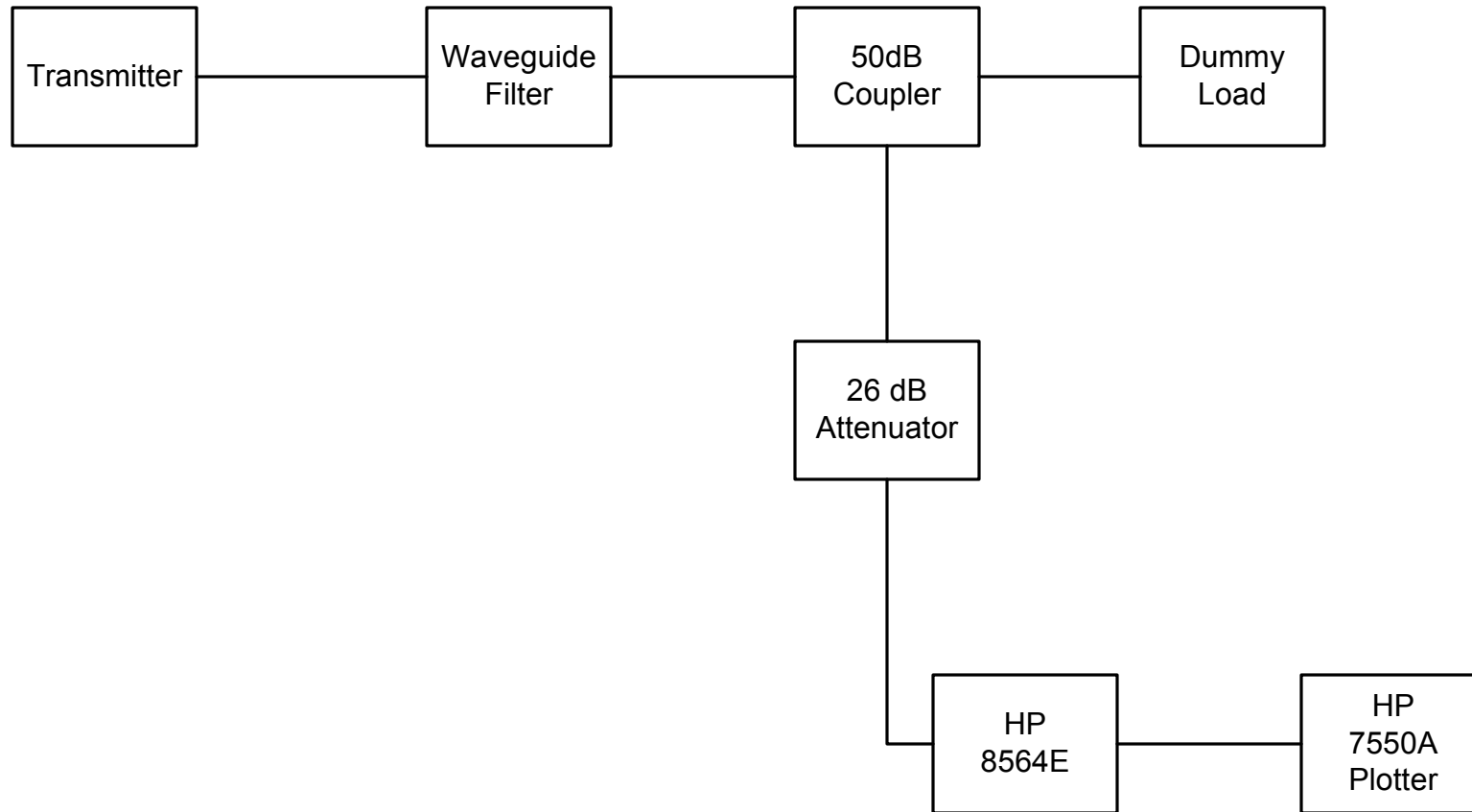
Lobe Area = $1/2 \text{ Lobe Width} \left(\frac{1}{\text{LOG}^{-1} \frac{\text{dB}}{10}} \right)$

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

Emission Designator 12M5P0N



Test Setup for RF Emissions Data & Occupied Bandwidth

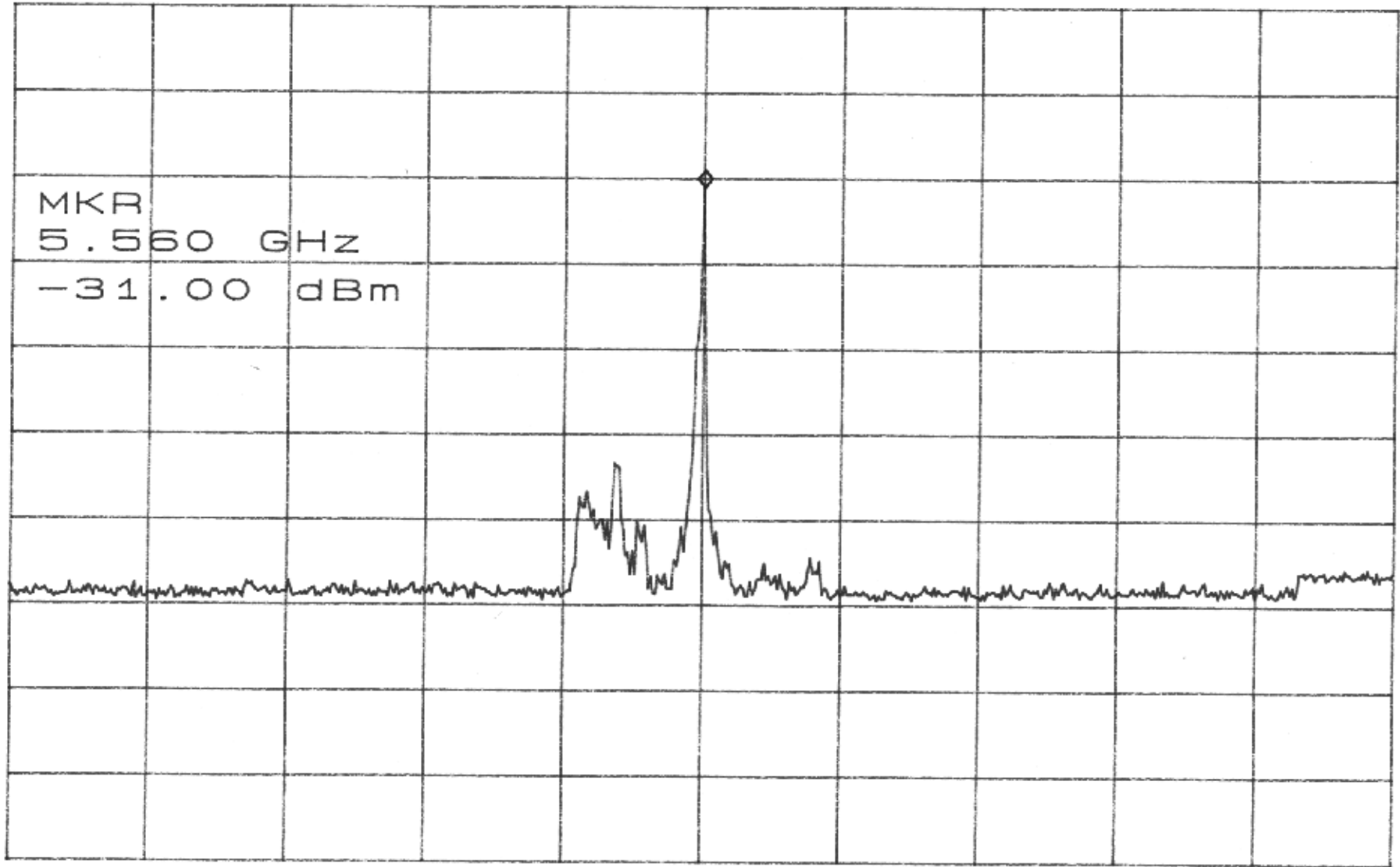


ATTEN 10dB
RL -10.0dBm

10dB/

MKR -31.00dBm
5.560GHz

DT



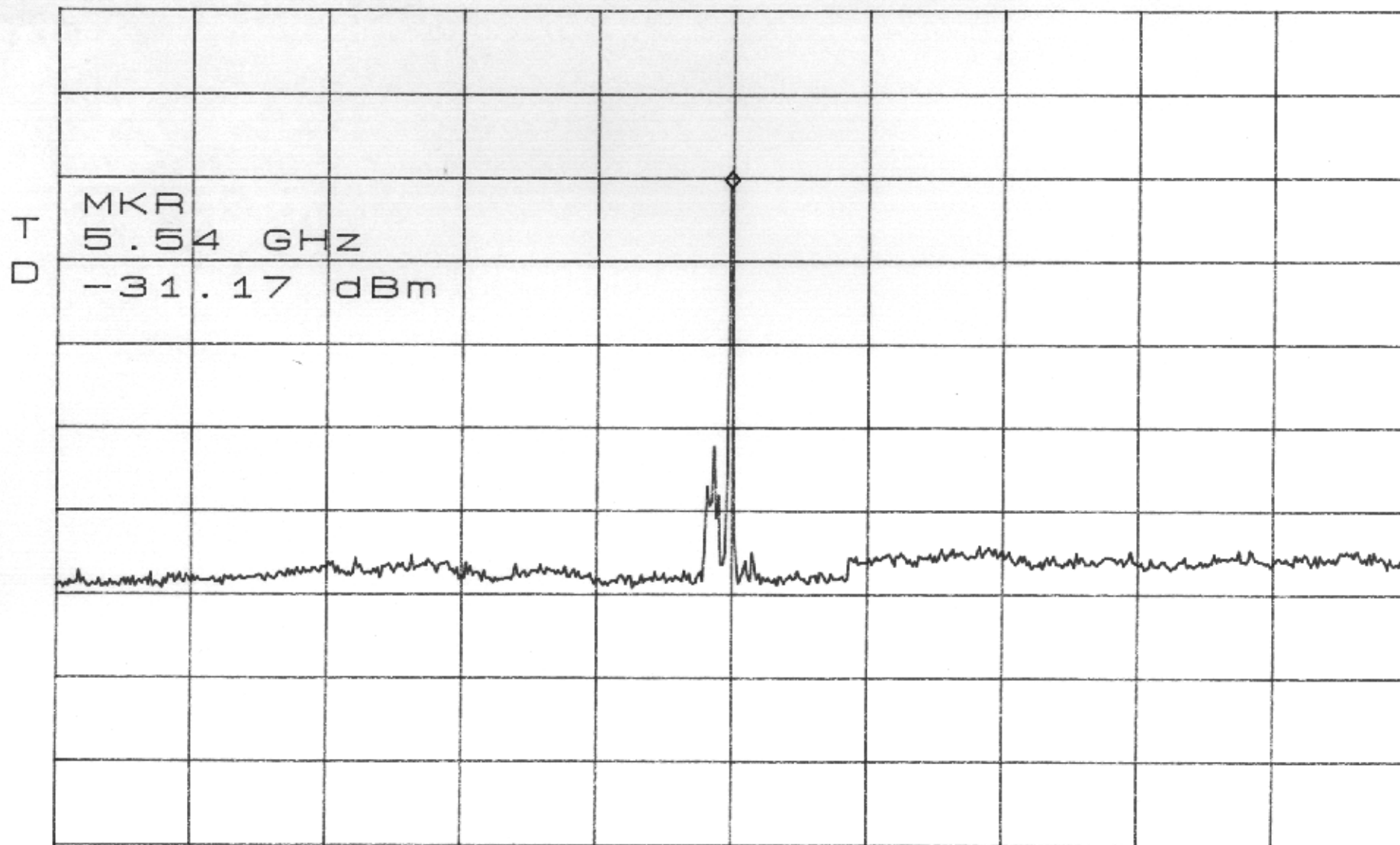
CENTER 5.560GHz
*RBW 300KHz *VBW 30KHz

SPAN 2.000GHz
*SWP 2.00sec

ATTEN 10dB
RL -10.0dBm

10dB/

MKR -31.17dBm
5.54GHz



CENTER 5.56GHz
*RBW 300KHZ *VBW 30KHZ

SPAN 10.00GHz
*SWP 20.0sec

Test Setup for RF Emissions Data & Occupied Bandwidth

