JXB24X4P-08T

Antenna Emissions MASK

Band 24,250 to 25,250 MHz

Plots 1-2 for 4X Data Rates

Plots 3 – 4 for 8X Data Rates

Emission Limitations Analysis CFR 47 part 101.111 (4)i,ii,iii

For 50% to 50% +500KHz

A = 50 + .06(F - .5*B) + 10*Log(N) decibels

B=40 MHz, N=2

For 50% +500KHz to edge of DEMS Band (24.25 GHz to 25.25 GHz)

A = 80 + 10*Log(N) decibels = 8(3dbC

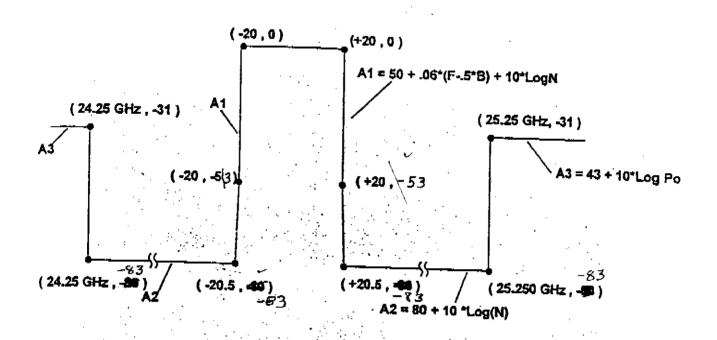
(Must not be less than 80 dbC)

For outside the DEMS Band

A = 43 + 10*Log (Means Transmitter Power)

Means Transmitter Power = .063 Watts

 \therefore A = 43 -12 =31 dbC for frequencies outside the band between 24.25GHz and 25.25 GHz



XP4 24 GHz DEMS MASK JXB24X4P-08T CFR 47, Part 101.111

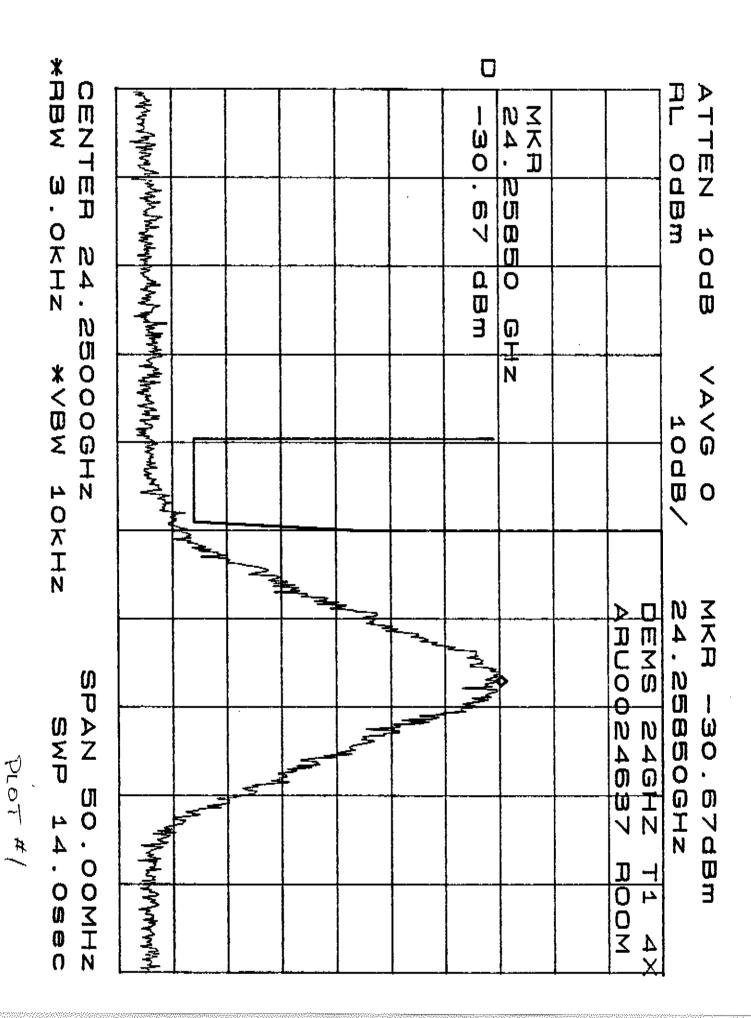
Power = .063 Watts

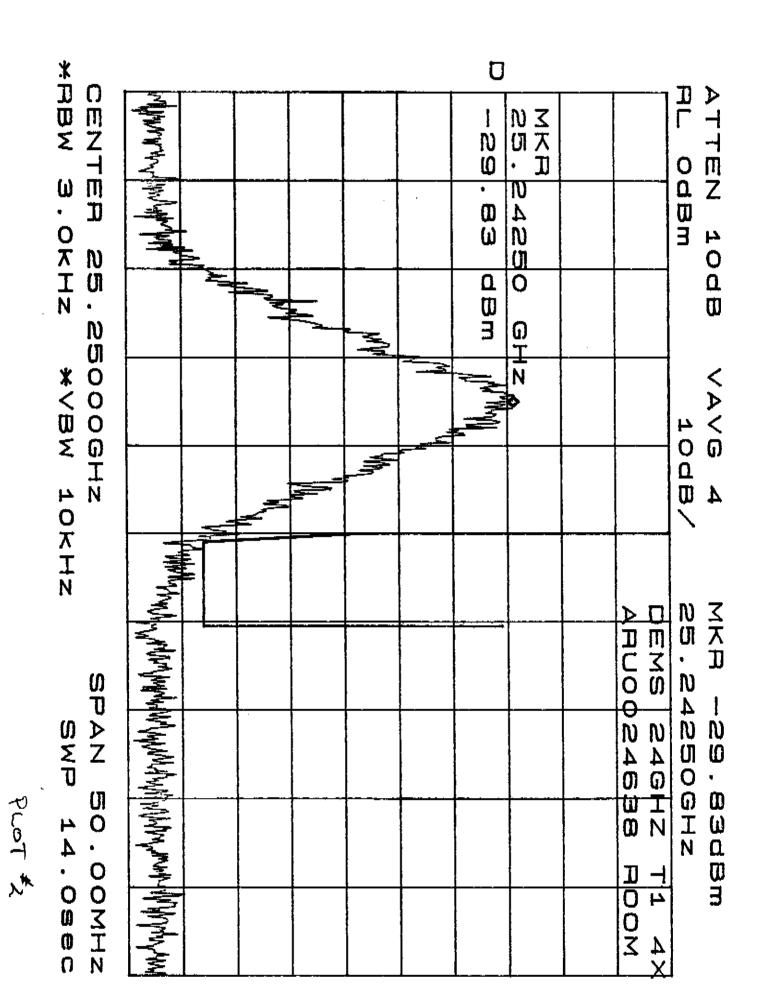
N = # of Sub Channels = 2

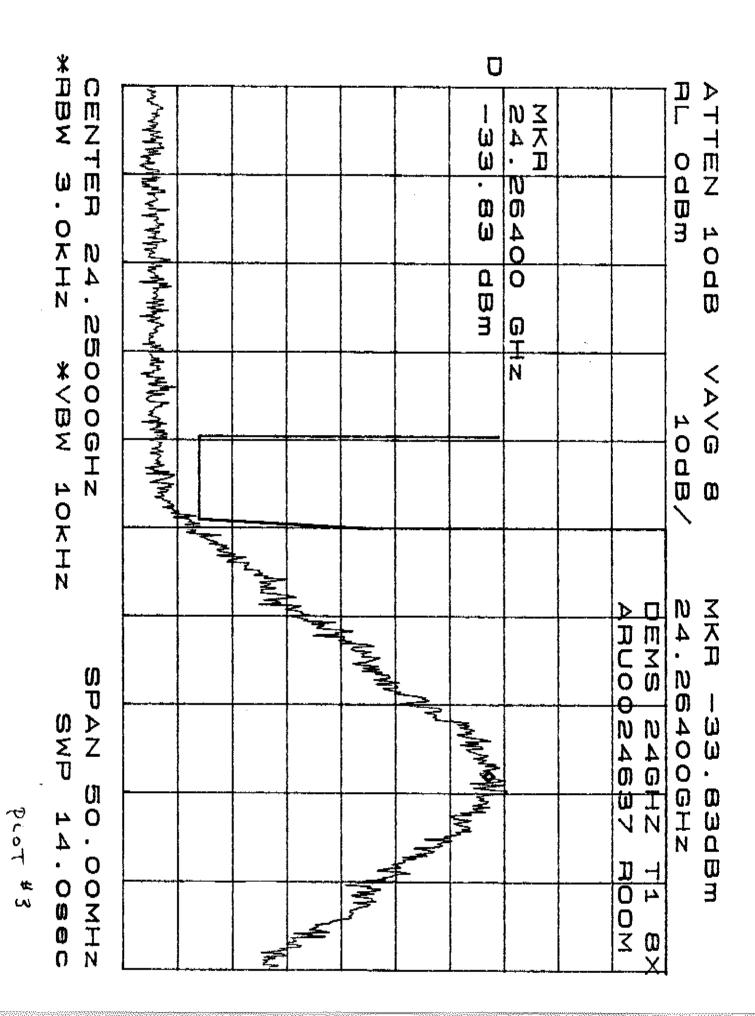
F = Difference Frequency

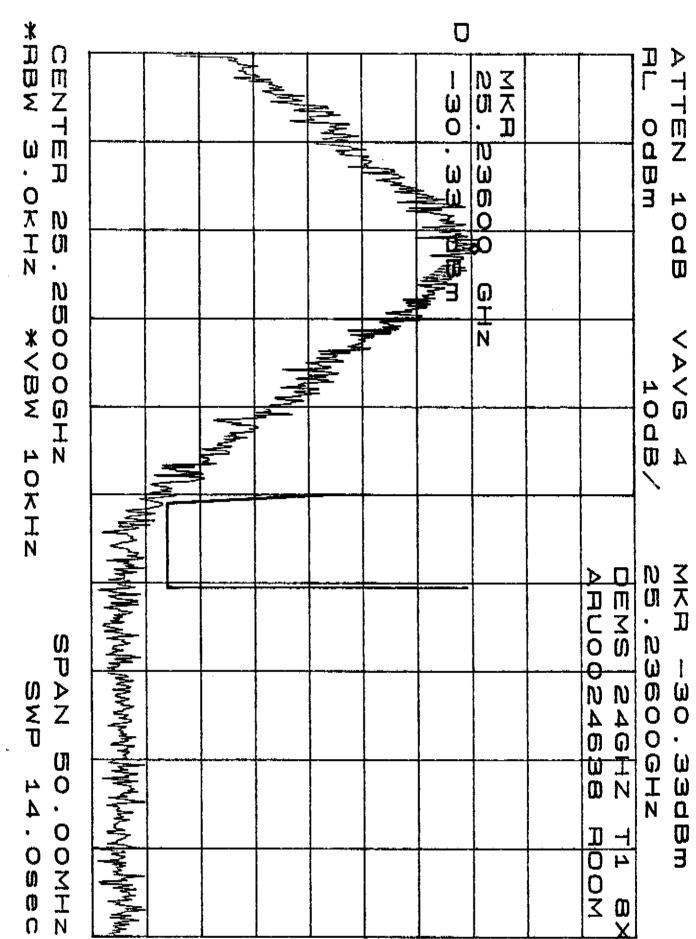
B = Bandwidth of DEMS Channel = 40 MHz

A = Attenuation Below Means Power









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