The following information is being provided to show compliance with the bandedge restricted band for the high channel.

The outcome of these tests yielded the following margins:

For Peak Measurements
1) For 64 kbps data rate: 11.7 dB margin
2) For 128 kbps data rate: 16.3 dB margin
3) For 256 kbps data rate: 13.8 dB margin
4) For 384 kbps data rate: 10.8 dB margin
5) For 512 kbps data rate: 10.9 dB margin

For Average Measurements
1) For 64 kbps data rate: 3.0 dB margin
2) For 128 kbps data rate: 7.2 dB margin
3) For 256 kbps data rate: 11.7 dB margin
4) For 384 kbps data rate: 4.6 dB margin
5) For 512 kbps data rate: 2.3 dB margin

I am presenting the data in support for the "worse case" margin for the high channel for the 512 kbps data rate:

For the peak measurement, the following calculation applies:
antilog ((-17.0 dBm + 30.9 dB + 4.0 dB + 107 – 61.9 dB)/20) = 1412.5 uV/m
where

Received peak power (RBW=VBW= 1 MHz) of the fundamental at 3 meters test distance as given in Figure 1 with no filter or preamp = -17 dBm

Antenna Factor = 30.9 dB

Cable Loss = 4.0 dB

Δ from antenna conducted reading between Fundamental and highest point in restricted band region (using RBW = 100kHz, VBW = 1 MHz) – See Figure 2 = 61.9 dB

This method yields a higher reading since additional correction could be made for conversion of radiated reading from 1 MHz to 100 kHz RBW.

Figure 1

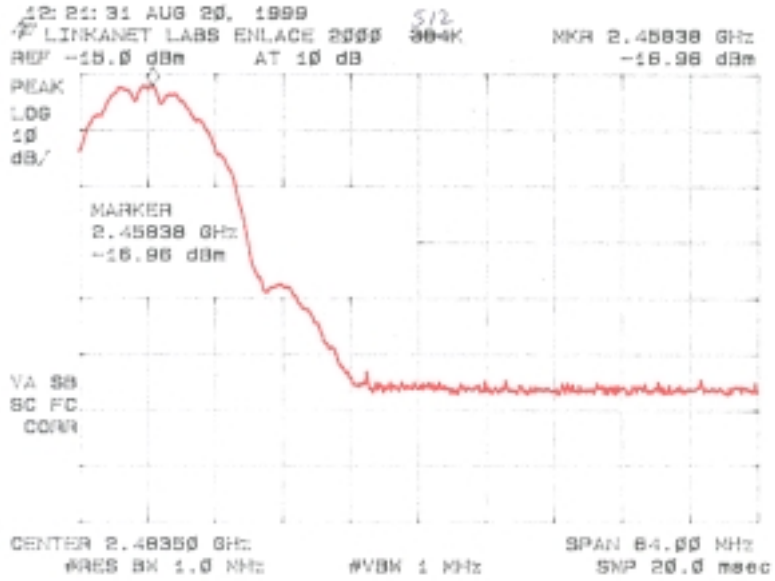
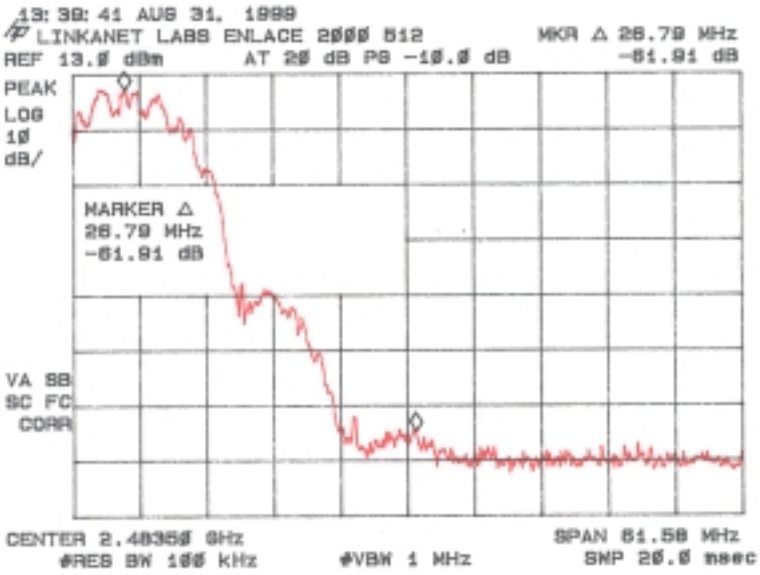


Figure 2



For the average measurement, the following calculation applies:
antilog ((-20.5 dBm + 30.9 dB + 4.0 dB – 7.7 + 107 – 62.1 dB)/20) = 380.2 uV/m
where

Received peak power (RBW= 1 MHz, VBW = 10 Hz) of the fundamental at 3 meters test distance as given in Figure 3 with no filter or preamp = -20.5 dBm

Antenna Factor = 30.9 dB

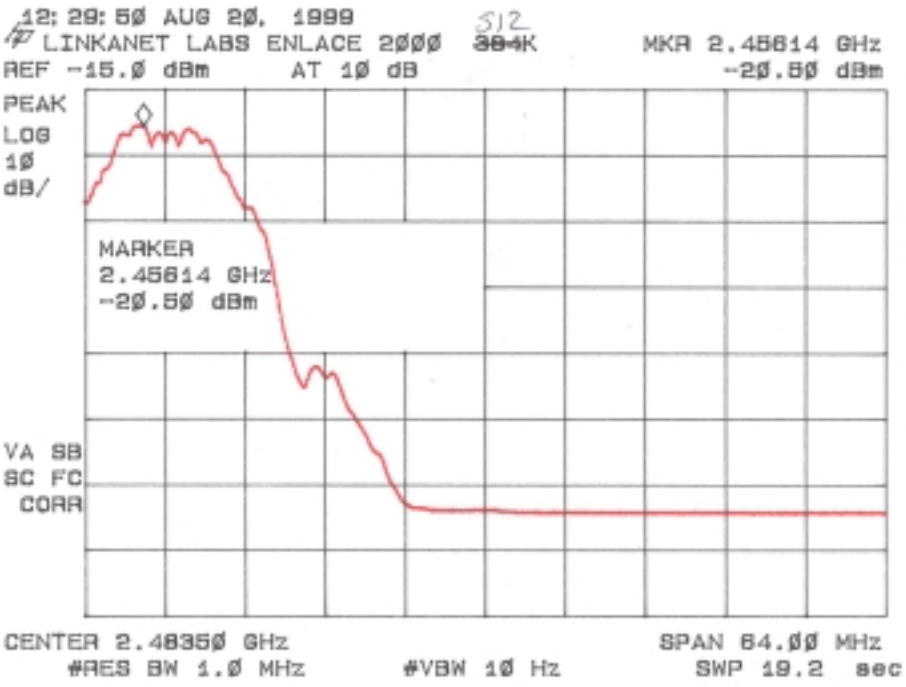
Cable Loss = 4.0 dB

Duty Cycle Correction (See Test Report Section 2.10) = 7.7 dB

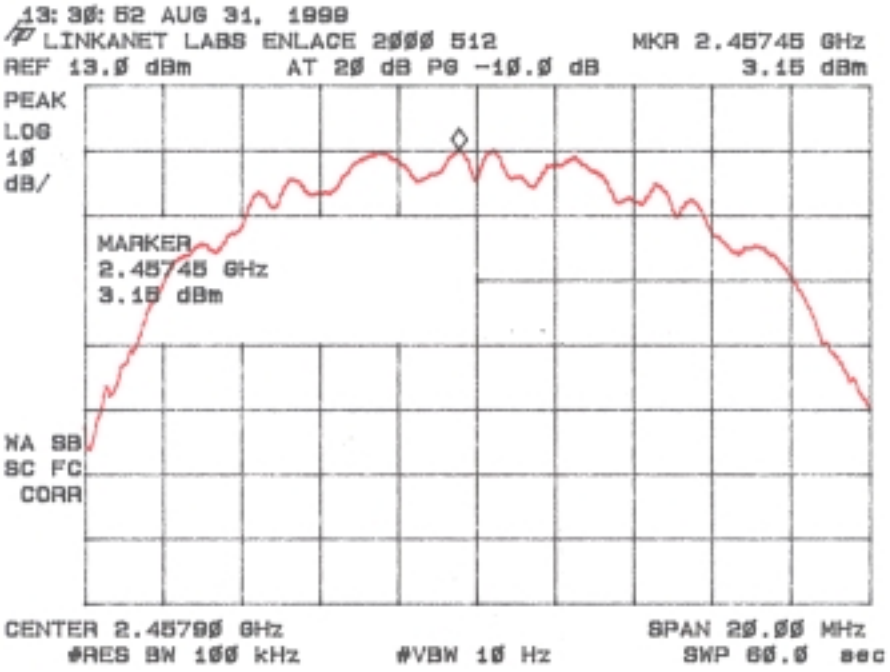
Δ from antenna conducted reading between Fundamental and highest point in restricted band region (using RBW = 100kHz, VBW = 10 Hz) – See Figures 4 = 62.1 dB

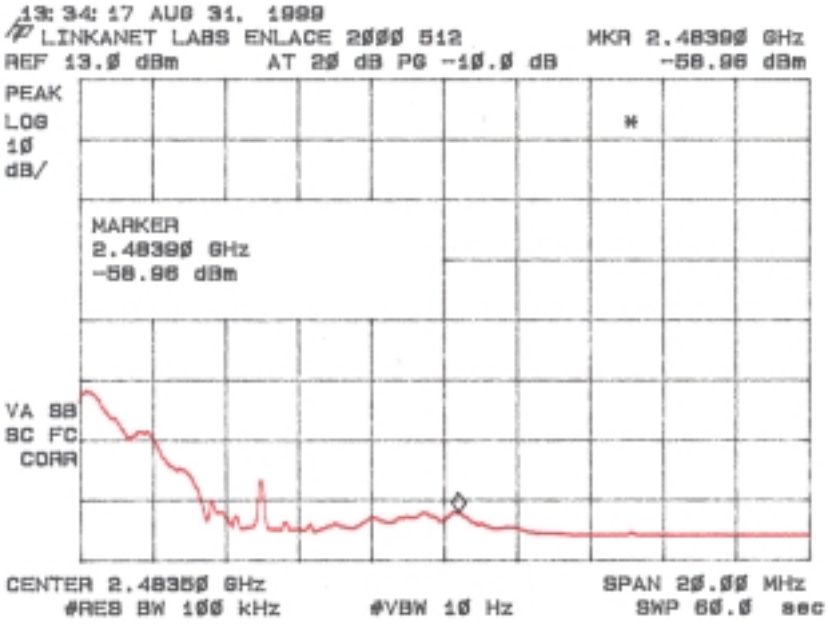
This method yields a higher reading since additional correction could be made for conversion of radiated reading from 1 MHz to 100 kHz RBW.

Figure 3



Figures 4


13: 3Ø: 52 AUG 31, 1999
LINKANET LABS ENLACE 2ØØØ 512
MKR 2.45745 GHz
REF 13.Ø dBm
AT 2Ø dB PG -1Ø.Ø dB
3.15 dBm
PEAK
LOG
1Ø
dB/
MARKER
2.45745 GHz
3.15 dBm
VA SB
SC FC
CORR
CENTER 2.4579Ø GHz
SPAN 2Ø.ØØ MHz
#RES BW 1ØØ kHz
#VBW 1Ø Hz
SWP 6Ø.Ø sec


13: 34: 17 AUG 31, 1999
LINKANET LABS ENLACE 2ØØØ 512
MKR 2.4839Ø GHz
REF 13.Ø dBm
AT 2Ø dB PG -1Ø.Ø dB
-58.96 dBm
PEAK
LOG
1Ø
dB/
MARKER
2.4839Ø GHz
-58.96 dBm
VA SB
SC FC
CORR
CENTER 2.4835Ø GHz
SPAN 2Ø.ØØ MHz
#RES BW 1ØØ kHz
#VBW 1Ø Hz
SWP 6Ø.Ø sec