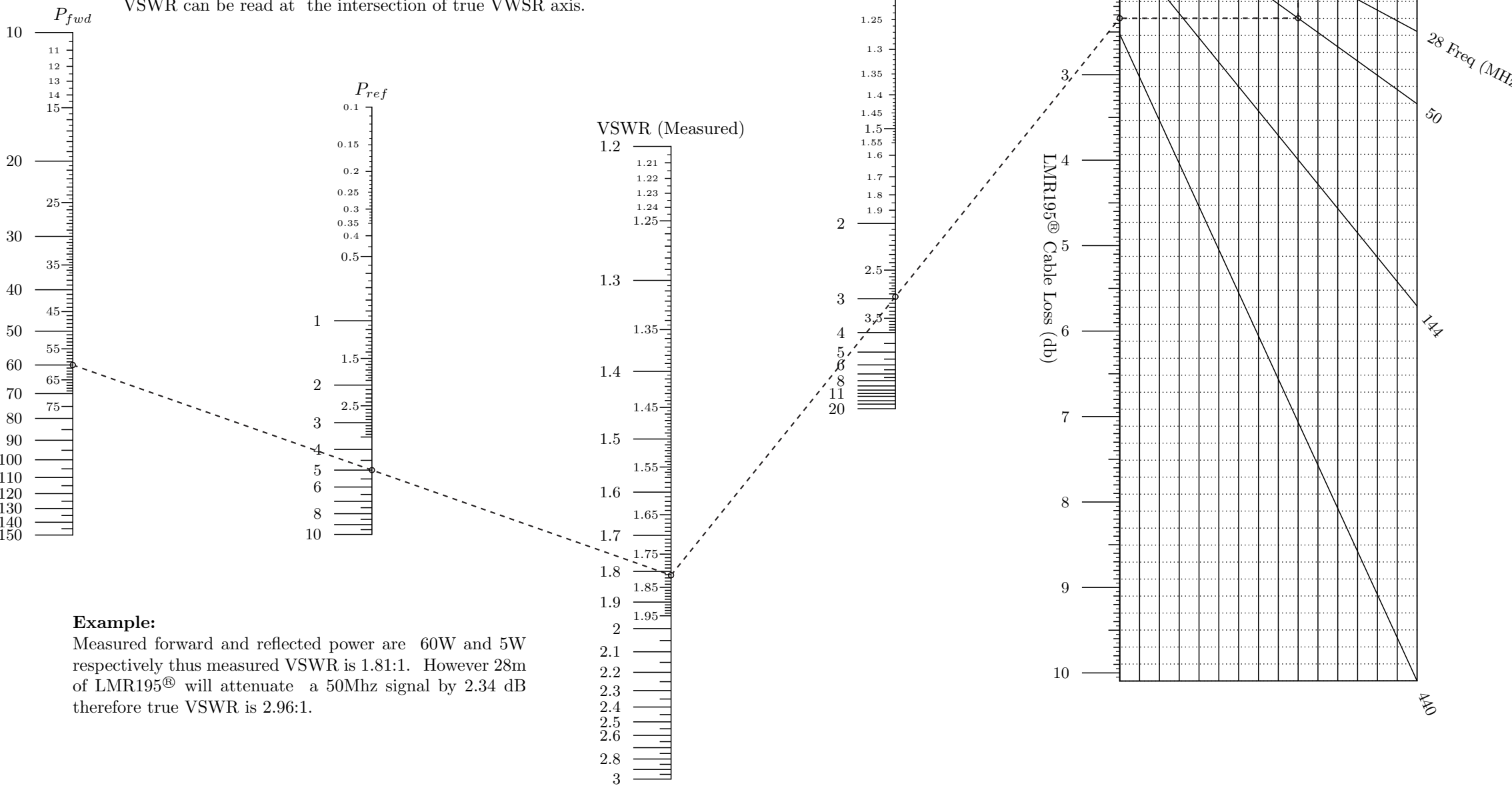# True VSWR as a result of cable attenuation for LMR195®

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Calculate true VSWR by drawing a straight line from forward power axis through the reflected power axis to the measured VSWR axis. To compensate for cable loss draw straight line from measured VSWR to cable loss value. True VSWR can be read at the intersection of true VWSR axis.

Cable length (m)

P_{fwd}

P_{ref}

VSWR (Measured)

VSWR (True)

LMR195® Cable Loss (db)

Freq (MHz)

1.75
3.5
7
14
28
50
144
440

Example:
Measured forward and reflected power are 60W and 5W respectively thus measured VSWR is 1.81:1. However 28m of LMR195® will attenuate a 50Mhz signal by 2.34 dB therefore true VSWR is 2.96:1.