

Sheet1

Net NM Calculator

Version: 0.4 – beta

Written by: TV Fool Member, GroundUrMast – 07/17/2012

For updates, check: <http://forum.tvfool.com/showpost.php?p=26744&postcount=4>

NM (air)	-8.6	Use the value listed in your TV Fool report
NM (correction factor)	0	Set to zero when dealing with a UHF channel
Penetration Loss (dB)	0	Set to zero if the antenna is mounted outside
Antenna Gain (dBd)	12	Get this value from the manufacturer's data
Preamp Gain (dB)	19	Get this value from the manufacturer's data
Preamp NF (dB)	2.8	Get this value from the manufacturer's data
Distribution Losses (dB)	6	Add the cable and splitter losses. Include the
Tuner NF (dB)	8	Get this value from the manufacturer's data
Net NF (dB)	0.6	This final calculated value must be greater than

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Sheet1

iel. For VHF channels the value typically increases as the channel number gets lower. Values over 15
le, in the clear. Walls, roofs and vegetation may attenuate a few dB or more than 20 dB.

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ie cable from the antenna to the splitter and then to the tuner. Do not add cables connected to other s

sheet. If not available, Values are typically 6 and higher.

than zero. Reliable reception calls for a positive value. IMO, 10 to 15 dB is a minimum target.

Sheet1

dB may occur on the low VHF channels.

	3.4	
	0.6	
splitter ports	5	0