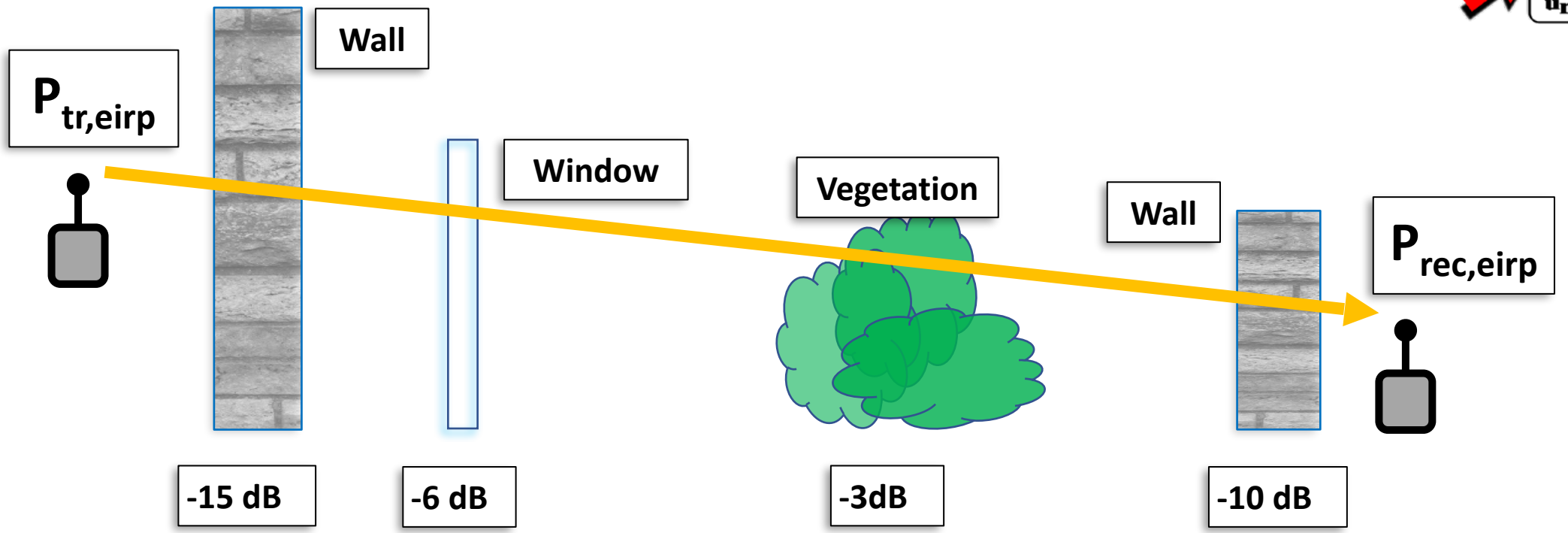
Propagation Path: 0 – 1 km, Free Space & Obstacles



$$P_{rec,eirp}/\mathrm{dBm} = P_{tr,eirp}/\mathrm{dBm} - L_{freespace}/\mathrm{dB} - A_{obstacle1}/\mathrm{dB} - A_{obstacle2}/\mathrm{dB} - ..$$

Propagation Path: 0 – 1 km, Attenuation of Obstacles

Penetration Loss in dB *Frequency Range : 200 - 10.000 MHz* a = 0,55

	Reference	*input*	*input*	*input*	*input*
Frequency	2.400 MHz	235 MHz	433 MHz	868 MHz	5.000 MHz
Wall Type:		*output*	*output*	*output*	*output*
Window	3,00 dB	1,33 dB	1,77 dB	2,27 dB	3,53 dB
Window thick	6,00 dB	2,67 dB	3,55 dB	4,54 dB	7,05 dB
Door (Wood)	7,00 dB	3,11 dB	4,14 dB	5,30 dB	8,23 dB
Thin Wall (5cm)	7,00 dB	3,11 dB	4,14 dB	5,30 dB	8,23 dB
Wood Wall	8,00 dB	3,56 dB	4,73 dB	6,06 dB	9,40 dB
Brick Wall	10,00 dB	4,45 dB	5,91 dB	7,57 dB	11,75 dB
Concrete Wall 10cm	10,00 dB	4,45 dB	5,91 dB	7,57 dB	11,75 dB
Concrete Wall 15cm	15,00 dB	6,67 dB	8,86 dB	11,36 dB	17,63 dB

Adjustable!