

Filter

If  $|x[n] - x[\text{hold}]| > \text{Filter}$   
then  $y = x[n]$   
else  $y = x[\text{hold}]$

$x[n]$

$y[n]$

$x[n]$  = AGC signal value  $n$

$y[n]$  = filtered AGC signal value  $n$