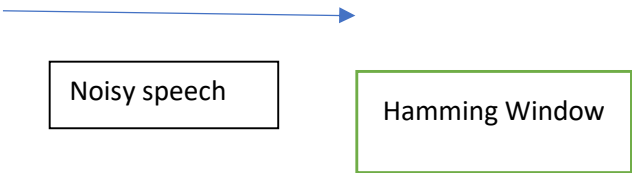


$$\cos\left(\frac{2\pi n}{N}\right)$$

$$|\bar{S}_l(\omega)|=|X_i(\omega)|-\mu_i(\omega); \omega=0,1,...,L-1$$

$$\left|\bar{S}_i(\omega)=\begin{cases} s_i(\omega); & |\bar{S}_i(\omega)|\geq \max|N_R(\omega)| \\ \min\{|_{j=i-1}^{i+1}s_j(\omega)|\}; & |\bar{S}_i(\omega)|<\max|N_R(\omega)| \end{cases}\right|$$



Algorithm	Types of Noise	0db	5db
SS-VAD	Airport	1.9085	2.1753
	Exhibition	2,4547	3.3546
	Restaurant	3.5677	4.7567
	Station	4.2355	1.3466
Proposed(SS-TF)	Airport	1.3464	2.3245
	Exhibition	2,4547	3.3546
	Restaurant	3.5677	4.7567
	Station	4.2355	1.3466