CHANNEL MODEL

$$\frac{1}{1000} = \sum_{c=0}^{S_c} \sum_{s=1}^{S_c} \sum_{s=1}^{S_c}$$

In =
$$\begin{cases} 0 & \text{if } c=0 \text{ and } I^{LOS}=0 \\ 1 & \text{else} \end{cases}$$
 if $c=0 \text{ and } I^{LOS}=0$ is control parameter $f^{LOS}=0$ with Po and P1 depends on $f^{LOS}=0$ env. and dist.

* Bes ~ (N(0,1): fading parameter (or Pc) 1 of 105 on (Ocs, Ocs): n'h element ref array resp. vector Doi: LOS angle from Tx-RIS (elevation) Des : randomly generated angles (elevation) Poils: LOS angle from Tx-RIS (aximuth) by sis randonly generated angles account [1, drxs] cluster pozitions uni [-90,90] uni [-45,45°] bcs

Get (9 =): Tx radiation pattern (assumed omni-directional) A $X_{CS} = \begin{bmatrix} exp(\dot{s}\Phi_{cS}^{VV}) & \sqrt{\chi_{CS}^{-1}} & exp(\dot{s}\Phi_{cS}^{VH}) \\ \sqrt{\chi_{CS}^{-1}} & exp(\dot{s}\Phi_{cS}^{VH}) \end{bmatrix}$ $X_{nim} \approx N(M_{NPR}, \sigma_{NPR}^{-2})$ $X_{nim} \approx N(M_{NPR}, \sigma_{NPR}^{-2})$ # Oncs: 2x2 Als response: [fur full]

all parameters are generated the same may with Finas

=> indoor

So gold => gn (Pure LOS) + RIS and Rx too close (valid)
(assump.)

extess phase

indoor (shored cluster model)

hsiso = \(\sum_{c=0}^{\text{N}} \subseteq \text{The size \left(\text{O}_{Tx}^{\text{CS}}) \text{ \text{CS} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \text{ \text{CS} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \text{ \text{CS} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \text{ \text{caused}}

\[
\text{outdoor} \\
\text{ > outdoor} \\
\text{ > \text{Size} \\
\text{hsiso Thesiso \text{V}_{T-R} \text{ \text{Bcs} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \text{ \text{X \text{cs} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}})}
\]

\[
\text{hsiso Thesiso Thesiso \text{V}_{T-R} \text{ \text{Bcs} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \text{ \text{X \text{cs} \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \\
\text{hsiso Thesiso Thesiso \text{V}_{T-R} \text{ \text{Bcs} \text{ \text{be}}_R (\text{O}_{Tx}^{\text{N}}) \text{ \text{X \text{cs} \text{be}}_R (\text{O}_{Tx}^{\text{N}})}
\]

2