Satellite Communication Assignment II

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1) Egypts poleon devolution

XPD = 20 log | Eu |

[ER]

En = received polarized electric field Straighth E ?? = E coupled to orthogonal polarization.

Exors polar irolation

XPI = 2 log [Ea] | Eal | Overs polon component.

A -> coplana attenuation A

XPD = V-Vlog(A) JB L) emporual constants depends on fraquous, polarization, devation angle and carting angle.

U= 30 log(f) - Lio log (cose) - 20 log sin (27) angle cost has igned => V= 20, 8 < f < 15 GHz delaution angle in(0)

= 23, 152 { < 356 Hz