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Implementasi Automatic Unlink Power Control (AUPC) Pada VSAT Single Channel Per Carrier (SCPC) (Studi Kasus PT. PT. Satkomindo Mediyasa)

Universitas Bina Saraaa Informalia, Jal. Rammel 19, 1962, BY T.20 MV9, Kwistang, Kee, Senen, Kota Jakara Distremalia, J. Dammel Raya, Dog R. P.20 MV9, Kwistang, Kee, Senen, Kota Jakara Distra Dhearth Khuos Ibakara Islatara 10420 Sekolah Tinggi Manajemen Informatika due Komputer Nasa Mandiri, Ji, Raya Jatiwaringin, RT.26 W. J. Cipinang Melayu, Jakara Timur 1302, and Rib Walsa Calif. Jinawariman Mel Pomul Loori Landifi Borka Calif. Jinawariman Mel Pomul Loori

Abstrack - Cable networks are not suitable for connecting geographically distant communication systems such as Indonesia due to the low efficiency of the installation process, which requires large qualital. Therefore, an alternative technology is needed, such a SVAT, but it is vulnerable to interference and equipment weaknesses that will reduce performance. The weather in Indonesia is erratic. Sometimes suddenly the rain muches the VAT communication network disappted, loceane you have to adjust the suddenly the rain muches the VAT communication network disappted, loceane you have to adjust the of analysis and testing, there was a decrease in ping quality, Eb/No, CN when it rained. Therefore, it is necessary to adjust the power transmits to suft the quality returns to normal with the weather at the location. After AUPC implementation, the transmit power adjusts automatically. Ping value becomes more stable with a maximum delay of 770ms to the IP Modern monitoring site and PSPsins to the IP Land IPT. MSP. CN value obtained is 21 DMB in accordance with the ideal CN range for VSAT networks. do not hemonitoring site modern. When the modem detects a decreasing or increasing Bb/No value, the system automatically adjusts the transmit power so that the Eb/No value marches the target.

Keywords - AUPC, VSAT, SCPC, Eb/No, C/N.

Newtone ACR, NSALSCE, EDOUGUS.

Netters: Juring unkels deld cock och anenghalungkun sisten komunikasi vara jauh secura geografic neutra franciscus vang rentah dari procas pemasangun, dibunikhan medal besera Kerenia in digerlahan tsehoolig alternalit, spenti NSAI ramum reman terahalig maguguan disentelia kelemahan peralatan yang adan menurankan kineja. Cauca di Indonesia talah menentu terkadang tibukelemahan peralatan yang adan menurankan kineja. Cauca di Indonesia talah menentu terkadang tibusecura manud. Terlebih PC dilahasi iladi mengeri tentang NSAI. Berdasarkan hasit andata den
dantan persentantian power transmis opera balatis selmahal mendi dengan casadi fibosis. Seledi
implemensia (AUPC, power transmis olomatis menyesanikan. Nilai ping menjadi lehit satishi dengan
delay maksimud 170ms ke ji hofema is kewavid and 78ms ke JP Lan PI. Nilai Chi Mohan
angka 2198Bi semai dengan range CN idadi tamik pirtegan VSA. Pindi EN-Mohan soli berana
medien menderski idali ENNo tarun citau nali, sistem olomatis menyesanikan power transmis one
melan menderski tali ENNo tarun citau nali, sistem olomatis menyesanikan power transmi ogur
nilai ENNo sesuai dengan target.

Kata Kunci - AUPC, VSAT, SCPC, Eb/No, C/N.