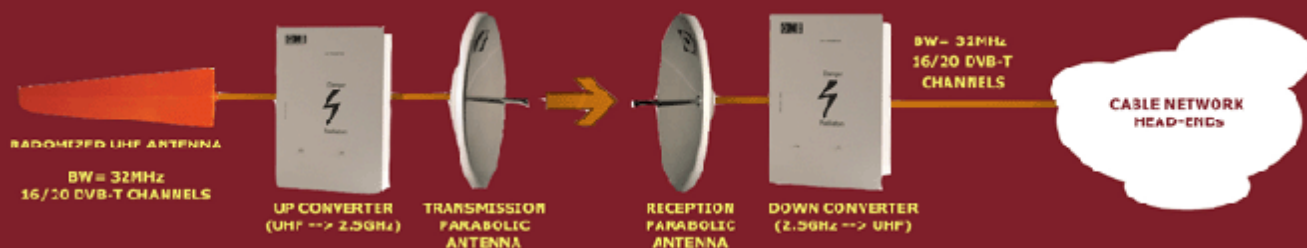


DIGITAL TV GAPFILLER

DVB-T MULTICHANNEL TRANSPORT SYSTEM



(I+D)

3MOT S1500 YAV 3DIR SGP 2-R COM LIM3 MMS 412 MIX ONE100

DTP3 TX3000

OMB has developed this system to transport the digital channels of the TV band (the reserved ones for nationwide broadcasting) from a place with perfect reception up to the place where the cable network head-ends are, so that these operators can include the new Digital Terrestrial Television channels in the services offered to their users.

A point-to-point microwave link (within 2.5GHz band) will be used to transport those channels from one place to the other. All this process is done without damaging the original spectrum, by using very selective filters and high-linearity amplifiers. The cable operator will have between 16 and 20 TV channels, just as radio programs and other services included in the broadcasted signal.

TECHNICAL SPECIFICATIONS:

LINK TRANSMITTER

INPUT SIGNAL Type: DVB-T standard
Number of channels: 4 Multiplex
Bandwidth: 32MHz

INPUT FREQUENCY IV & V UHF Bands: 470 ~ 870MHz

INPUT CONNECTOR N Female

INPUT IMPEDANCE 50Ω

INPUT SENSIBILITY 40dBμV

INPUT FILTER Return loss: <25dB
Insertion loss: < 1dB
Bandwidth: 32MHz

NOISE FIGURE < 6dB

LOCAL OSCILLATOR STABILITY Better than 2ppm

OUTPUT CONNECTOR N Female

OUTPUT IMPEDANCE 50Ω

OUTPUT FREQUENCY 2,550MHz

OUTPUT POWER 100mWrms / 500mWrms

LINK RECEIVER

INPUT CONNECTOR N Female

INPUT IMPEDANCE 50Ω

INPUT FREQUENCY 2,550MHz

LOCAL OSCILLATOR STABILITY Better than 2ppm

OUTPUT SIGNAL Type: DVB-T standard
Number of channels: 4 Multiplex Bandwidth: 32MHz

OUTPUT FREQUENCY RANGE IV & V UHF Bands: 470 ~ 870MHz

OUTPUT CONNECTOR N Female

OUTPUT IMPEDANCE 50Ω

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