



Antenna multicouplers are used in modern receiving stations and provide distribution of antenna signals to several receivers without loss and deterioration of the signal quality.

This antenna multicoupler consists of 16 divider modules each with 1 input and 4 outputs in the frequency range 950 ... 2150 MHz.

#### Design

The multicoupler is housed in a 19" subrack with very good RF shielding and consists of the following sub-assemblies:

- RF amplifier
- power divider boards 4-way
- processor board
- redundant LAN interface for control and monitoring
- redundant power supply unit
- switchable DC bias tees with overload protection

All the necessary signal, power supply and earthing connections are provided at the rear.

The mains switches are located on the front panel.

#### Special features

The unit is constructed using a modular approach utilising 19" plug-in sub-assemblies which enable ease of installation and maintenance.

Technical data		measured a 25° C
Model number:	GTA2214	
Item number:	1300028	
Configuration:	16 power divider modules, each with 1 input, 4 outputs	
RF specifications		
Impedance (Ohm):	75 Divider board	
Frequency range (MHz):	950...2150	
Gain (dB):	0 +/-2.0	
Gain flatness (dB):	+/-2.0 max.	
Noise figure (dB):	15.0 max.	
VSWR:	2.0 : 1 max.	
Intercept point (dBm):		
3rd order	+10 min.	
2nd order	+20 min.	
Isolation (dB):		
Out/out	18 typ.	
P1 dBc (dBm):	0 min.	