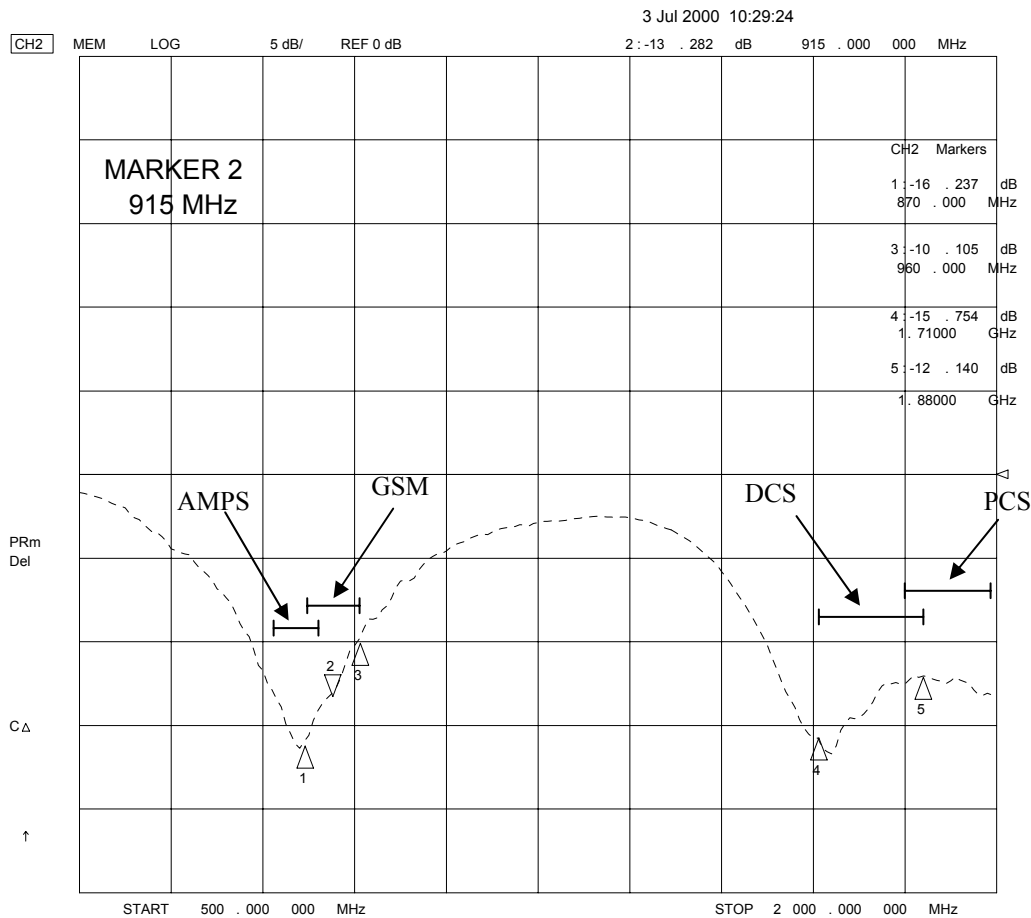


## ELECTRICAL CHARACTERISTICS

Frequency	AMPS: 824 - 894 ETACS-GSM: 870 - 960 MHz DCS: 1710 - 1880 MHz PCS: 1850 - 1990 MHz
Nominal Impedance	50 Ω
VSWR AMPS (824 - 894 MHz)	< 2
VSWR GSM (880 - 915 MHz)	< 1,6
VSWR GSM (930 - 960 MHz)	< 2
VSWR DCS (1710 - 1880 MHz)	< 2
VSWR PCS (1850 - 1990 MHz)	< 2
Power Handling	10 W
Peak Gain (in relation to λ/4)	0 ± 2 dB

Return Loss / VSWR graph:



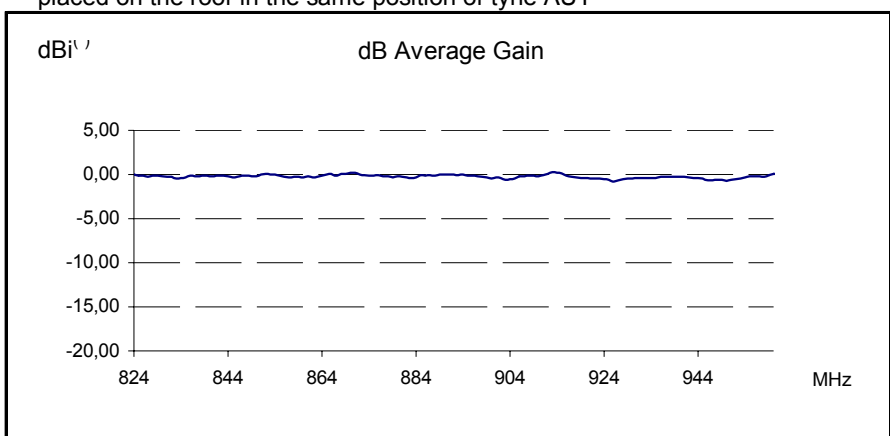
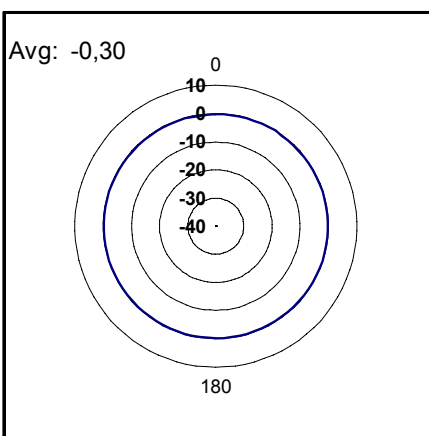
## RADIATION PATTERN

### AMPS and GSM Frequencies

**Polarization: Vertical** Test Department

antenna: RTZ  
location: Roof-Center  
model: Alfa 164  
date: 14/01/02

\*) The "0 dBi" level is the level received by the reference antenna ( $\lambda/4$ ) placed on the roof in the same position of tyhe AUT



### DCS and PCS frequencies

**Polarization: Vertical** Test Department

antenna: RTZ  
location: Roof-center  
model: Alfa 164  
date: 14/01/02

\*) The "0 dBi" level is the level received by the reference antenna ( $\lambda/4$ ) placed on the roof in the same position of tyhe AUT

