

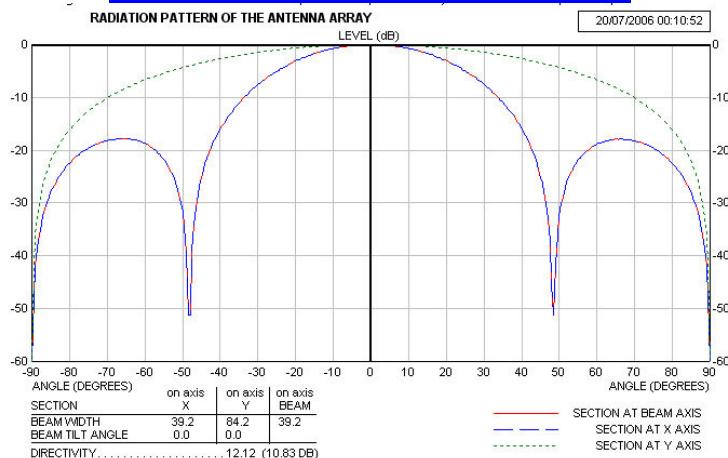
4. Antenna Data Information

, Cellvine is providing in the repeater kit a unique slim and well designed donor antenna instead of a regular Yagi antenna in order to improve the image and dimension of the antenna when installed in private homes or public places. The solution is based on a dual band panel antenna with a narrow beam pattern of 40° at the cellular band and 30° at the PCS band. The advantages of this antenna are its ascetics, light weight, relative small dimension and simple installation. Although this is a panel antenna its performance, especially in the pattern band width, are much higher comparing to other panel antennas with similar measurements. The antenna gain is 6 dBi in both bands.

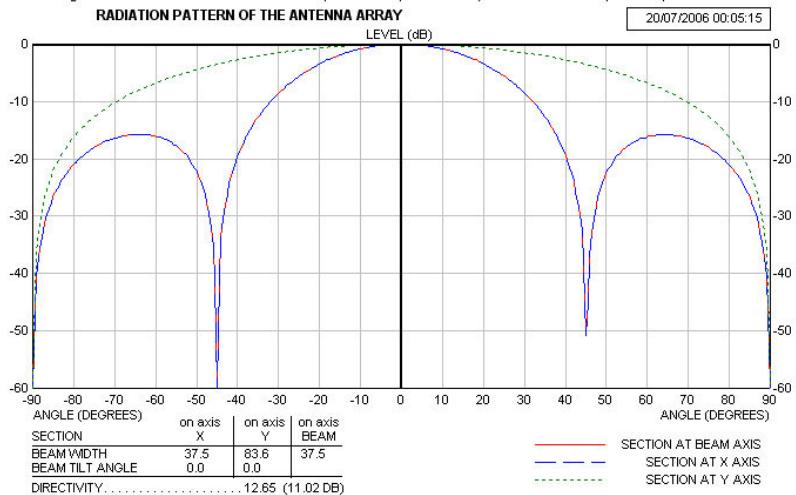
Specifications table – Flat Donor antenna unit (*Theoretical*)

FREQUENCY RANGE	DL : 869-894MHz 1930-1990MHz
	UL : 824-849MHz 1850-1910MHz
Directivity	Above 6dBi
VSWR	2:1 (max)
3 dB BEAMWIDTH	30° X 65°
POLARIZATION	Vertical
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	50W
Size	30X33X1.2 cm
Weight	0.8Kg

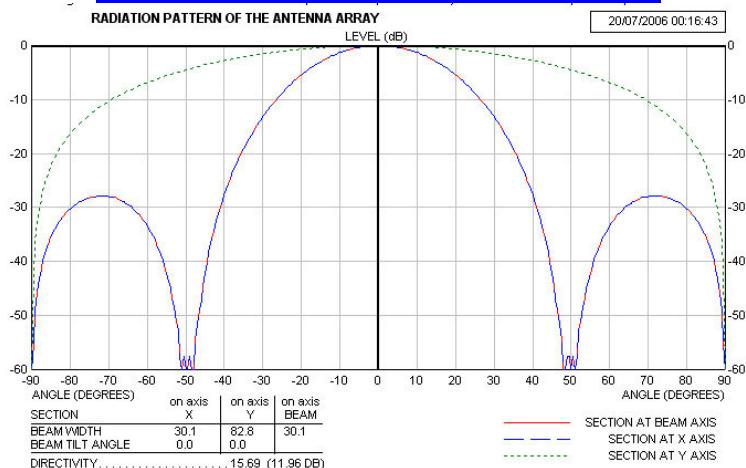
UL 824-849Mhz Radiation Pattern



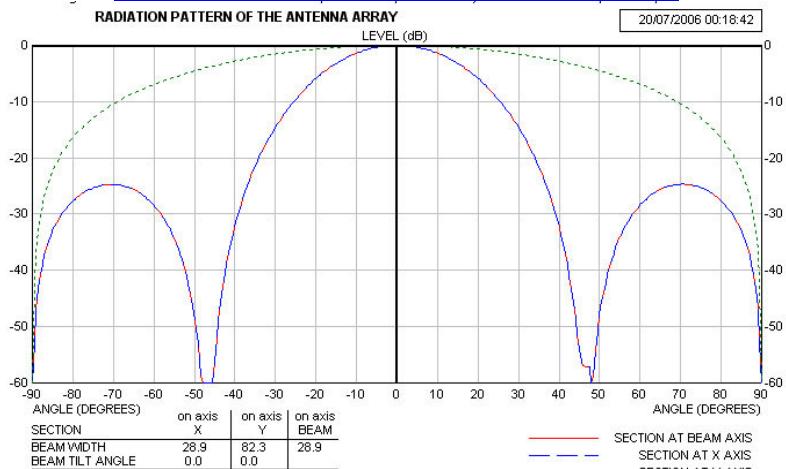
DL 869-894MHz Radiation Pattern



UL 1850-1910MHz Radiation Pattern



DL 1930-1990MHz Radiation Pattern



13.3 Inc



14.7 Inc

