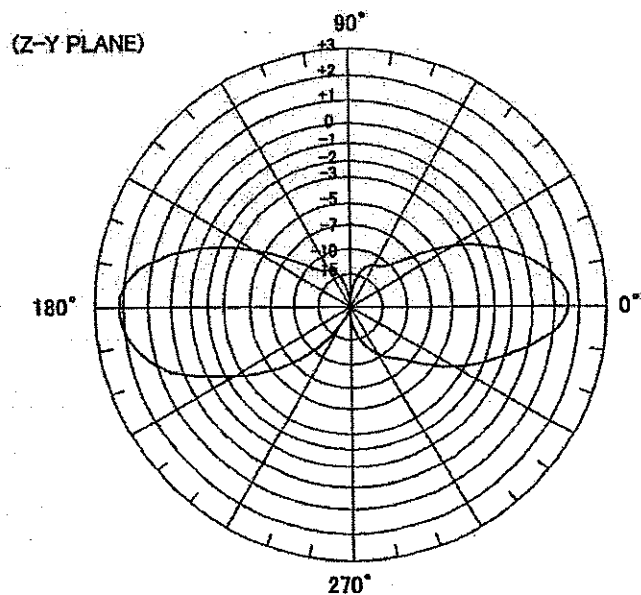


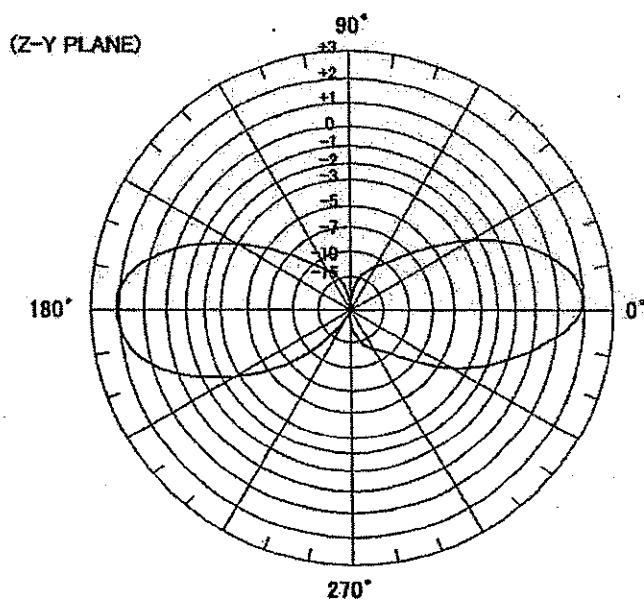
Antenna Directivity and Gain

Model name : SONY SP 4dBi
 Frequency : 2400 MHz
 Input signal level : -53.0 dBm
 Max. antenna gain : 2.1 dBd (4.3 dBi)
 Average antenna gain : -5.8 dBd
 Half power angle : 46.1 degree

Model name : SONY SP 4dBi
 Frequency : 2450 MHz
 Input signal level : -53.4 dBm
 Max. antenna gain : 2.1 dBd (4.2 dBi)
 Average antenna gain : -5.6 dBd
 Half power angle : 48.0 degree

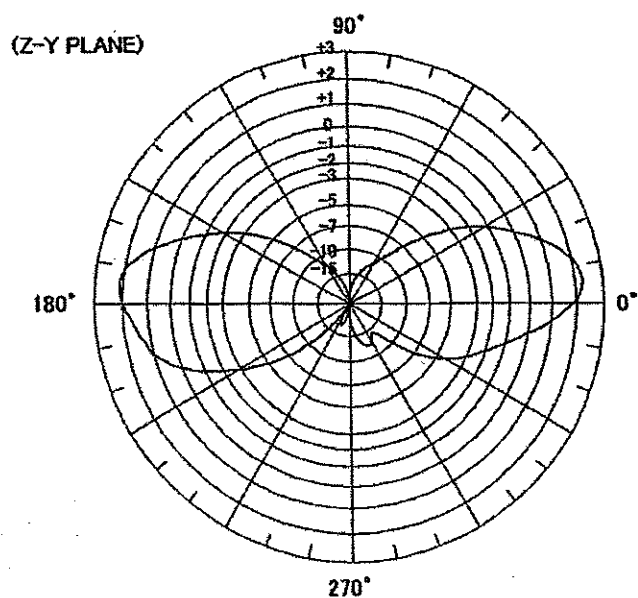


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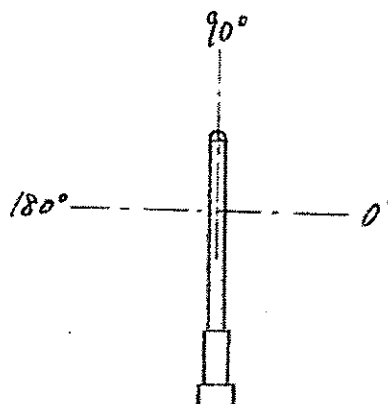


FILE NAME = 0210030936.dat

Model name : SONY SP 4dBi
 Frequency : 2500 MHz
 Input signal level : -53.5 dBm
 Max. antenna gain : 2.3 dBd (4.4 dBi)
 Average antenna gain : -5.4 dBd
 Half power angle : 41.3 degree



FILE NAME = 0210030938.dat



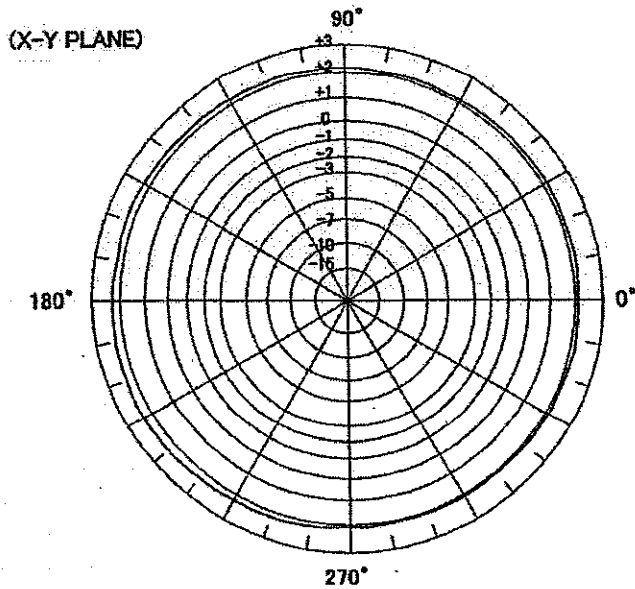
Antenna Directivity and Gain

October 3, 2002

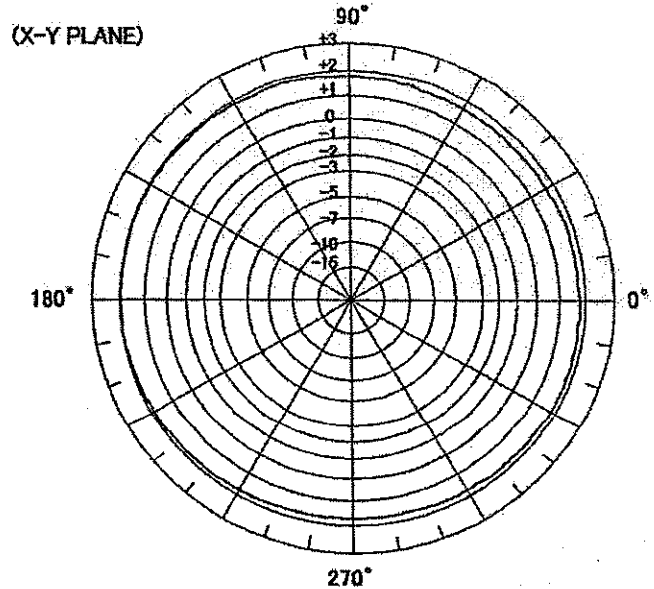
4

Model name : SONY SP 4dBi
Frequency : 2400 MHz
Input signal level : -52.5 dBm
Max. antenna gain : 2.4 dBd (4.5 dBi)
Average antenna gain : -2.2 dBd

Model name : SONY SP 4dBi
Frequency : 2450 MHz
Input signal level : -52.5 dBm
Max. antenna gain : 2.0 dBd (4.1 dBi)
Average antenna gain : -1.8 dBd

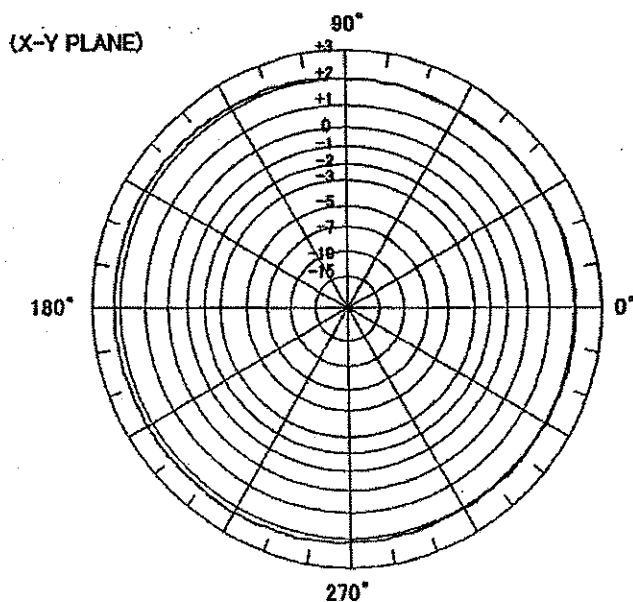


FILE NAME = 0210031013.dat



FILE NAME = 0210031014.dat

Model name : SONY SP 4dBi
Frequency : 2500 MHz
Input signal level : -53.0 dBm
Max. antenna gain : 2.3 dBd (4.4 dBi)
Average antenna gain : -2.1 dBd



FILE NAME = 0210031016.dat

