

Exhibit B

Directional Antenna Specifications

BTS Antenna

Peak gain: 16 dBi

Vertical 3 dB beamwidth: 7 degrees

Horizontal 3 dB beamwidth: 63 degrees

Polarization: Left hand circular

Vertical Pattern

File: D:\Tony_Lentini\TIL-TEK\Proj\1-MSV-1504-10-60\PATTERNS\alpha2_REV3SPLT_shortCnctCb\ILH\20060221.1EC -

Normalized to -37.6 dB

Lobe		
Centre	Width	dB
90	7.6	0
106.9	5.8	-23.8

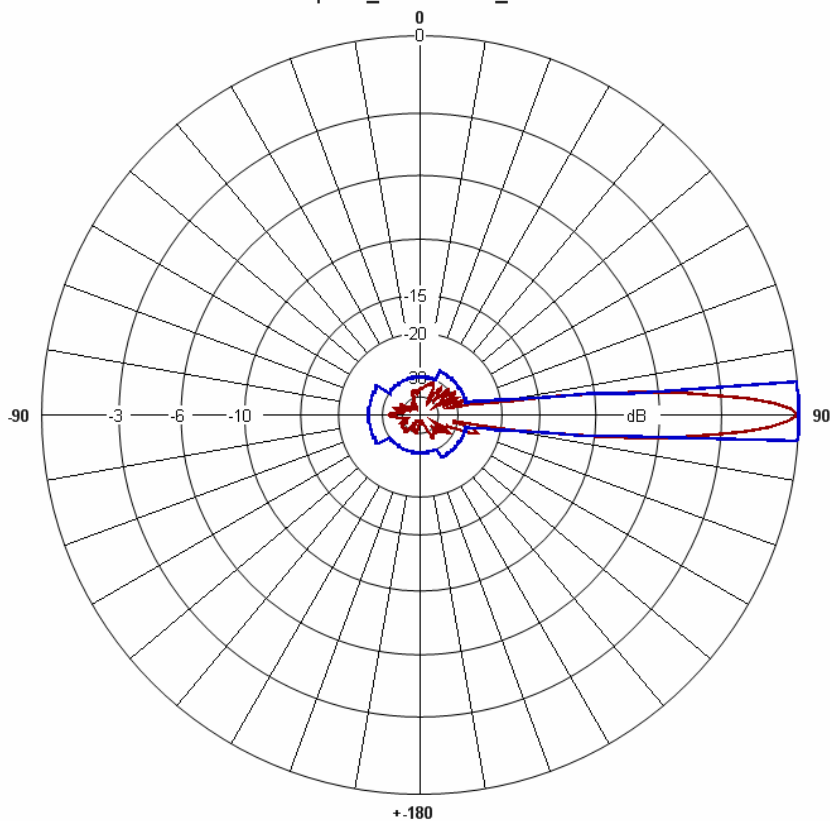
Min = -53.86 dB

Ave = -16.46 dB

SDev = 45.74 dB

Arc Max		
Centre	Width	dB
0.0	30	-31.16
90.0	30	0
180.0	30	-34.89
-90.0	30	-32.17

Plot ID: Range 2-22-2006 / 9:30 AM



Horizontal Pattern

File: D:\Tony_Lentini\TIL-TEK\Proj\1-MSV-1504-10-60\PATTERNS\apha2_REV3SPLT_shortCnctCbl_2\LH\20060222.1AC

Normalized to -40.09 dB

Lobe		
Centre	Width	dB
0	62.6	0
-178.9	26.7	-26.8

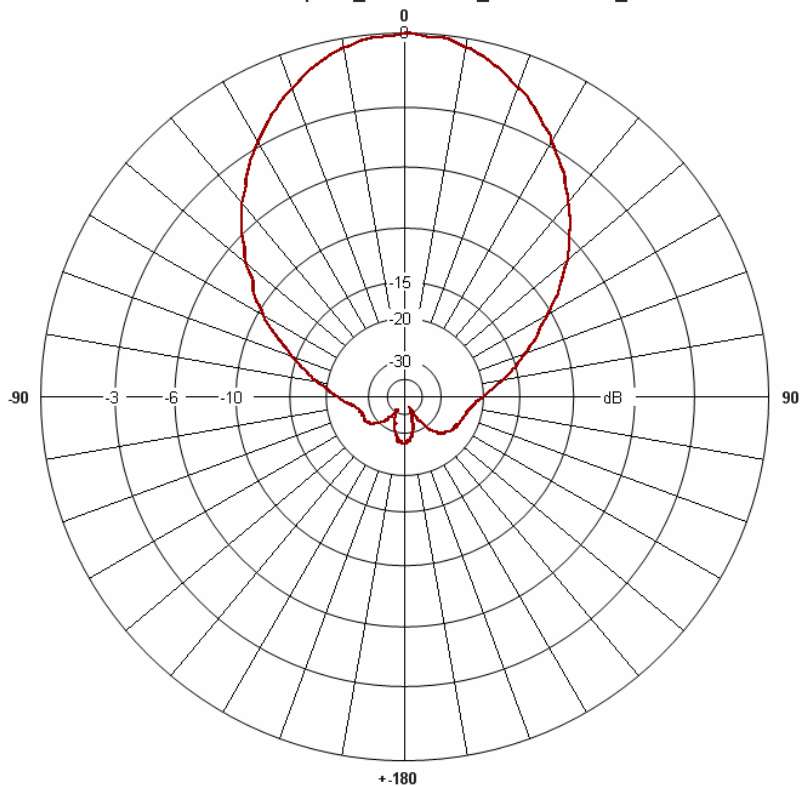
Min = -46.71 dB

Ave = -7.24 dB

SDev = 44.29 dB

Arc Max		
Centre	Width	dB
0.0	30	0
90.0	30	-10.28
180.0	30	-26.85
-90.0	30	-10.48

Plot ID: Range 2-22-2006 / 3:25 PM



CPE Antenna:

Peak gain: 4.0 dBi
Vertical 3 dB beamwidth: 100 degrees
Horizontal 3 dB beamwidth: 100 degrees
Polarization: Linear

CPE Active Companion Antenna: Runcom RN_NCU

Peak gain: 9.0 dBi
Vertical 3 dB beamwidth: 50 degrees
Horizontal 3 dB beamwidth: 50 degrees
Polarization: RHCP

Passive Companion Antenna: HNS_PSCU

Peak gain: -3.0 dBi
Vertical 3 dB beamwidth: 64.0 degrees
Horizontal 3 dB beamwidth: 72.4 degrees
Polarization: RHCP