NOTES: UNLESS OTHERWISE SPECIFIED

1. THIS PART WAS GENERATED FROM Pro/ENGINEER.
   PART MODEL (BRF_BASESTATION_ANTENNA) SHALL CONTROL ALL
   FEATURES OF THIS PART NOT DEFINED ON THE DRAWING.

2. MATERIAL: RADIALL/LARSON ANTENNA WITH BLACK JACKET AND ENDCAP.
   THE SUPPLIER CANNOT CHANGE MATERIAL WITHOUT WRITTEN APPROVAL FROM PSC.

3. PACKAGING: A MAXIMUM OF 25 ANTENNAS SHALL BE PACKAGED IN A SEALED, CLEAR
   PLASTIC BAG (3 TO 4 MILS THICK)

4. LABELING: LABEL THE BAG WITH A CODE 3 OF 9 BARCODE WITH MACHINE AND HUMAN
   READABLE PSC PART NUMBER THAT MATCHES PART NUMBER ON THE PURCHASE ORDER.
   PRINT QUALITY MUST COMPLY WITH GRADE C LABELS.
   REFERENCE: ANSI X3.182-1990 GUIDELINES FOR BAR CODE PRINT QUALITY.

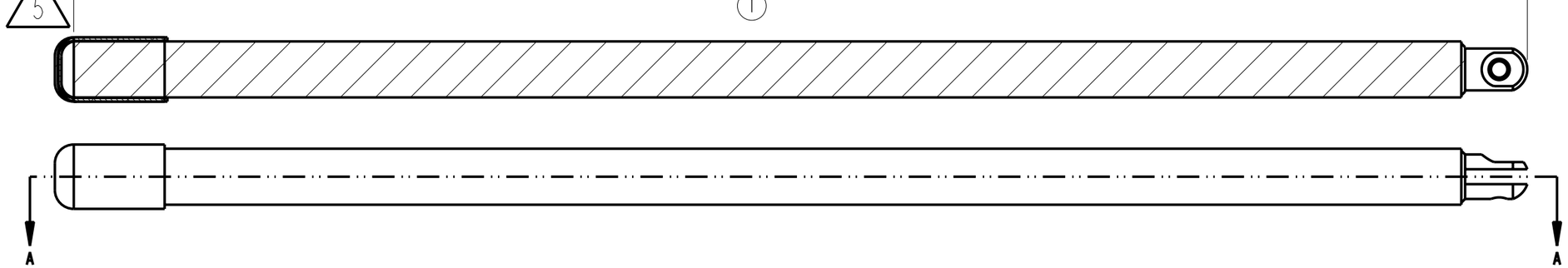
△5 DIMENSIONED TO END OF ANTENNA, NOT INCLUDING ENDCAP.

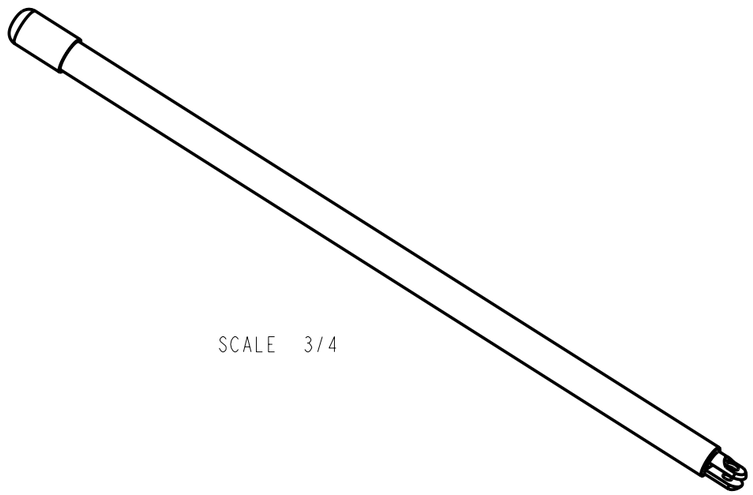
6. USE DIMENSIONS 1 FOR CPK (PROCESS CAPABILITY) STUDY.
   SPECIFIED CHARACTERISTICS SHALL BE CONTROLLED TO MEET A CPK OF 1.33.
   THE STUDY CAN BE PERFORMED BY THE SUPPLIER OR PSC, AS AGREED UPON BY PSC.
   AT A MINIMUM, A QUANTITY OF 35 PARTS SHALL BE USED TO CONDUCT THE STUDY.
   UNLESS OTHERWISE AGREED UPON, THE SUPPLIER SHALL PROVIDE MEASURED DATA ONLY.

7 BUSHING, SWIVEL FORK. RADIALL/LARSEN P/N 560-263.

REV	BRIEF DESCRIPTION OF CHANGE	DFTR	ECO	DATE	CHKD	ENGR
A	RELEASE TO STATUS 1.	MAS	40412	07/05 01		JJH
B	CHANGE LENGTH, DIM 1	KRD	40719	08/10 01		

△5 7.68±.16 (1)





SCALE 3/2

STANDARD TOL BLK	
DIMENSION	TOLERANCE
HOLES	±.003
0-1	±.003
(1-3]	±.005
(3-7]	±.010
(7-12]	±.015
12+	±.020

PSC INC.
959 TERRY STREET
EUGENE, OREGON 97402-9150

	NAME	DATE
DFTR.	KRD	06/14 00
CHK.		
ENG.	J.HOSKINSON	
MFG.		

DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1994
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

TOLERANCES, UNLESS OTHERWISE SPECIFIED:
.X ± SEE mm: ±
.XX ± TOL ANGLES: ±0.5°
.XXX ± BLK SURF. FIN.: ✓

MODEL	
PWRSCAN RF	

ALL DIMENSIONS INCLUDE APPLIED FINISH

ANTENNA, BASESTATION

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
3/2	B	4-2215-01	1 OF 1	B

Pro/E

NORTHWEST EMC

TRANSMIT ANTENNA GAIN

EUT:	Base Station Antenna			Work Order:	PSCI0211
Serial Number:	None			Date:	06/25/07
Customer:	PSC Inc.			Temperature:	23°C
Attendees:	None			Humidity:	32%
Project:	None			Barometric Pres.:	30.05
Tested by:	Rod Peloquin	Power:	N/A	Job Site:	EV01

TEST SPECIFICATIONS	Test Method
AS/NZS 4268:2003 (Amended by A1:2005 and A2:2006)	AS/NZS 4268:2003 (Amended by A1:2005 and A2:2006)

TEST PARAMETERS			
Antenna Height(s) (m)		Test Distance (m)	3

COMMENTS

Radiall, Inc. dipole antenna, P/N: 4-2215-01

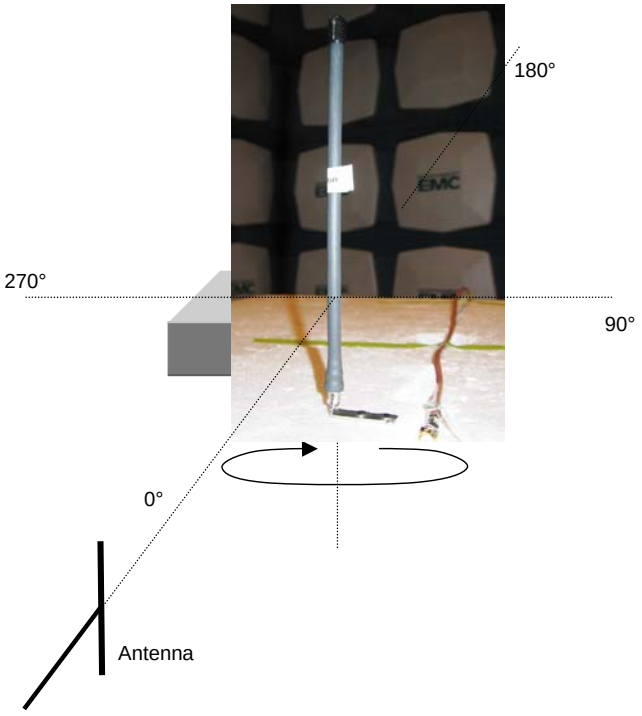
EUT OPERATING MODES

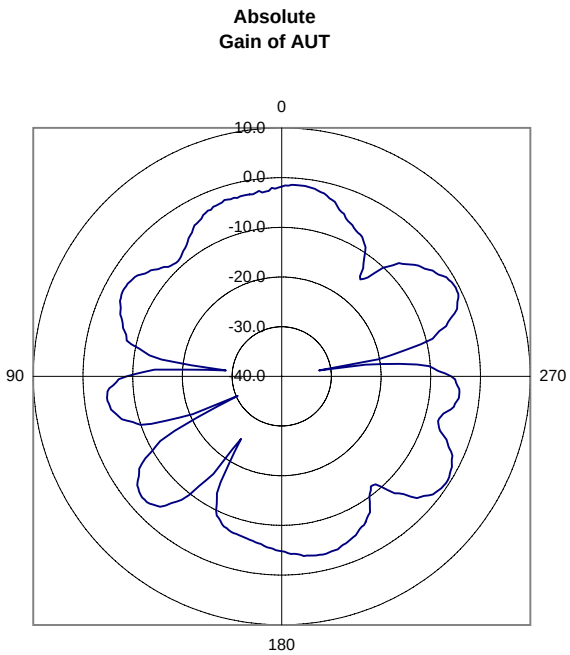
Transmitting umodulated signal, mid channel

DEVIATIONS FROM TEST STANDARD

Run #	2
Configuration #	N/A
Results	

Signature





Frequency	924.90
Absolute Gain of Reference Antenna (dBi)	1.50
Reference Antenna Relative Gain Max (dBuV/m)	102.50
AUT Relative Gain Max (dBuV/m)	100.40
Difference (Reference Antenna - AUT) (dB)	2.10
AUT Setup Loss (dB)	0.00
Maximum Absolute Gain of AUT (dBi)	**-0.60**
Correction Factor (Convert From Relative to Absolute Gain) (dB)	101.00
Measurement Antenna Polarity	Vertical
Antenna Under Test (AUT) Polarity	Vertical

NORTHWEST EMC

TRANSMIT ANTENNA GAIN

EUT:	Base Station Antenna	Work Order:	PSCI0211
Serial Number:	None	Date:	06/25/07
Customer:	PSC Inc.	Temperature:	23°C
Attendees:	None	Humidity:	32%
Project:	None	Barometric Pres.:	30.05
Tested by:	Rod Peloquin	Power: N/A	Job Site: EV01

TEST SPECIFICATIONS	Test Method
AS/NZS 4268:2003 (Amended by A1:2005 and A2:2006)	AS/NZS 4268:2003 (Amended by A1:2005 and A2:2006)

TEST PARAMETERS

Antenna Height(s) (m)		Test Distance (m)	3

COMMENTS

Radiall, Inc. dipole antenna, P/N: 4-2215-01

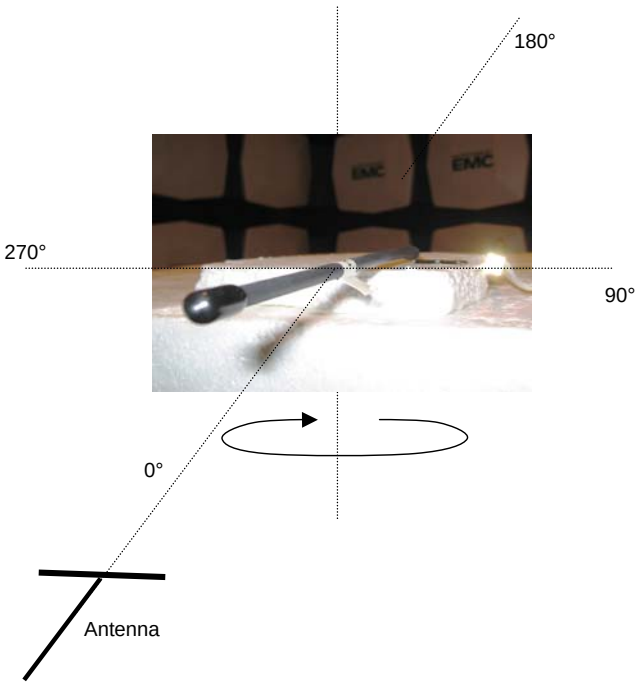
EUT OPERATING MODES

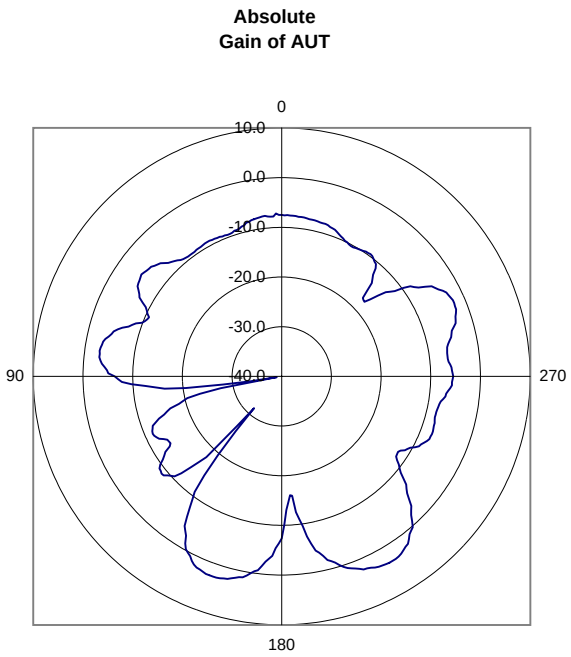
Transmitting umodulated signal, mid channel

DEVIATIONS FROM TEST STANDARD

Run #	3
Configuration #	N/A
Results	

Signature





Frequency	924.90
Absolute Gain of Reference Antenna (dBi)	1.50
Reference Antenna Relative Gain Max (dBuV/m)	102.50
AUT Relative Gain Max (dBuV/m)	104.30
Difference (Reference Antenna - AUT) (dB)	-1.80
AUT Setup Loss (dB)	0.00
Maximum Absolute Gain of AUT (dBi)	**3.30**
Correction Factor (Convert From Relative to Absolute Gain) (dB)	101.00
Measurement Antenna Polarity	Horizontal
Antenna Under Test (AUT) Polarity	Horizontal