

Antenna Information

Type: Patch

Manufacturer: MARS Antennas & RF Systems Ltd.

Part No: MA-SI915-1S E4

Maximum Gain: 3.29 dBi (see attached data)

Antenna Connector: The antenna is embedded on a PCB inside of the RFID reader module and is therefore integral to the unit. It cannot be altered or replaced in the field. The antenna meets FCC 15.203 requirements.

ABSOLUTE GAIN DATA SHEET

EUT:	RFID antenna for Handheld Scanner	Work Order:	PSC10155
Serial Number:		Date:	04/12/05
Customer:	PSC Inc.	Temperature:	23
Attendees:	Jim Wagner, Kurt Steinke, Ron Burke	Humidity:	32%
Cust. Ref. No.:		Barometric Pressure	29.84
Tested by:	Rod Peloquin	Power:	N/A
		Job Site:	EV01

SAMPLE CALCULATIONS

COMMENTS

F5500B antenna. Horizontal orientation

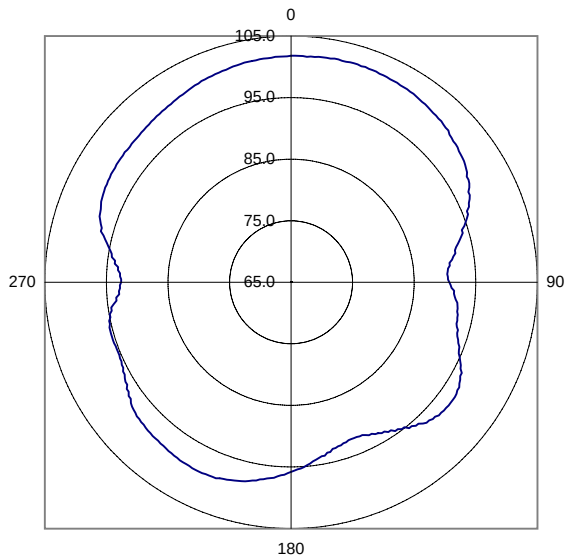
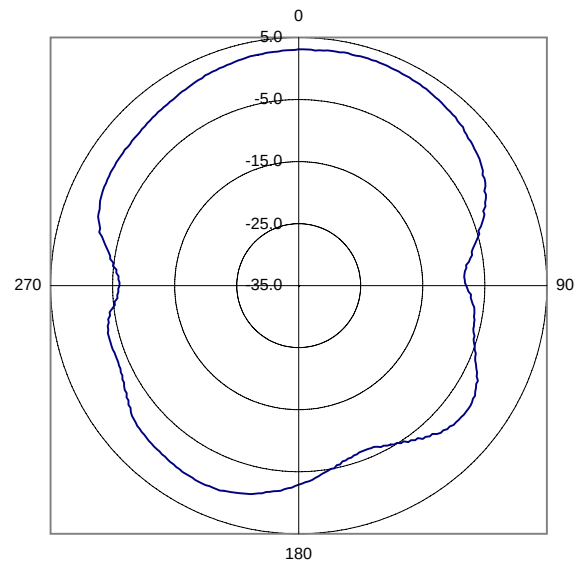
EUT OPERATING MODES

10dBm output from signal source

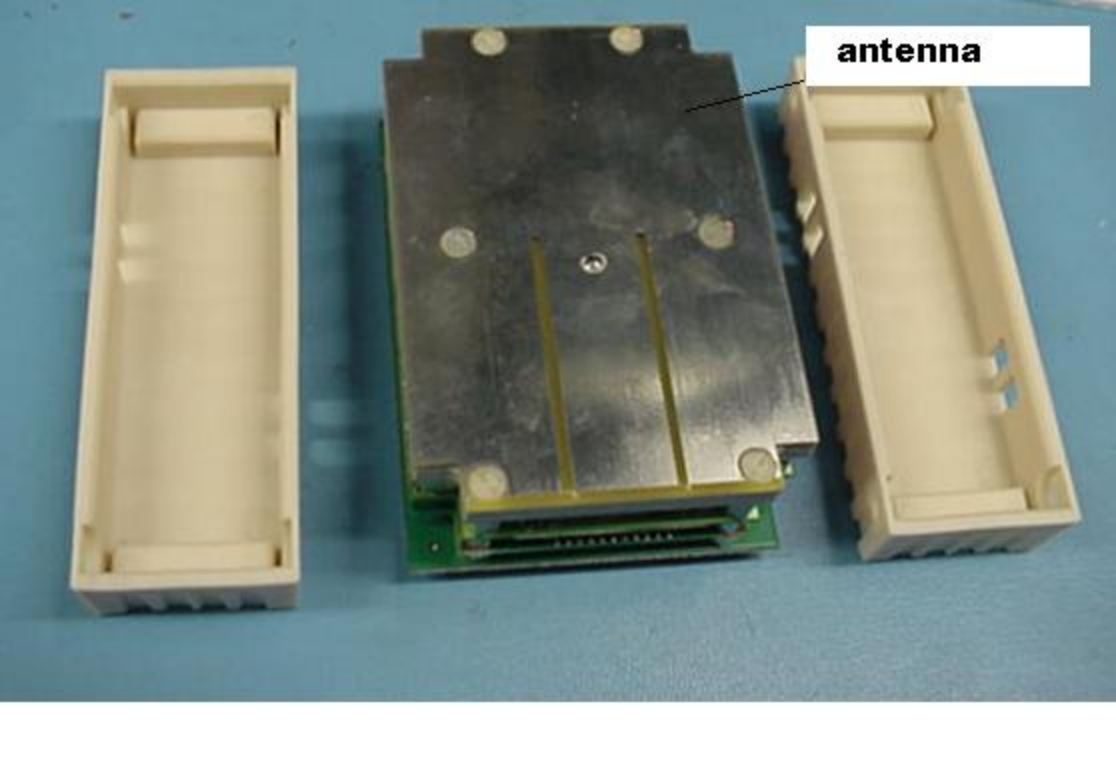
Test Distance (m)	Run #
0	13

Other

Tested By: _____

Relative
Gain of AUTAbsolute
Gain of AUT

Frequency	902.00
Absolute Gain of Reference Antenna (dBi)	1.59
Reference Antenna Relative Gain Max (dBuV/m)	100.30
AUT Relative Gain Max (dBuV/m)	102.00
Difference (Reference Antenna - AUT) (dB)	-1.70
AUT Setup Loss (dB)	0.00
Maximum Absolute Gain of AUT (dBi)	3.29
Correction Factor (Convert From Relative to Absolute Gain) (dB)	98.71
Measurement Antenna Polarity	Horizontal
Antenna Under Test (AUT) Polarity	Horizontal



antenna