



RFID Patch Antenna specification

17 October 2005

TRL Compliance Services Ltd
Long Green
Forthampton
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GL19 4QH
UK

RE: RFID Patch Antenna Specification

FCC ID: TFT-RM100

To Whom It May Concern:

The RM100 UHF RFID module can be used in a fixed or handheld configuration. In the fixed configuration, two circular patch antennas are used (1 transmit, 1 receive). In the handheld configuration only one circulator and one 100mm x 100mm circular patch antenna is used.

The PATCH-A0003-07 is used in the fixed configuration and PATCH-A0001-01 is used in the handheld configuration.

PATCH-A0003-07 Specification

Electrical:

Gain (over band)	6dBi circularly polarized gain
Frequency	860 - 930 MHz
VSWR	<1.4:1
Axial ratio	less than 1dB
Power handling	10 W
Polarization	Circular
Impedance	50 ohm

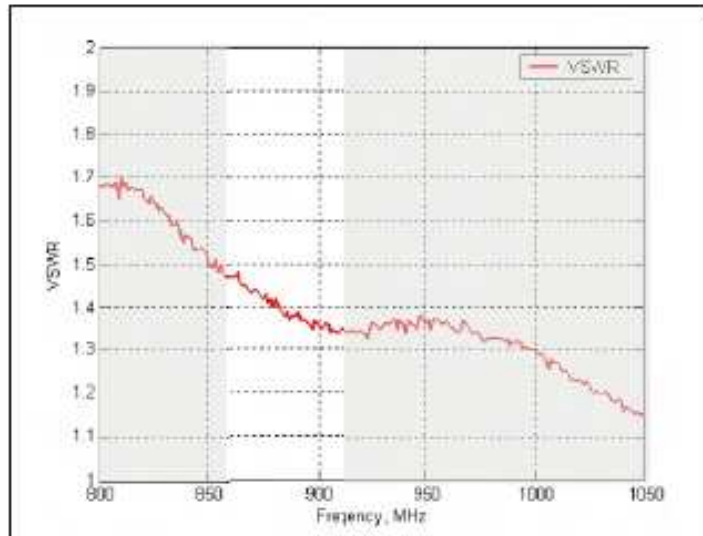
Mechanical:

Dimensions	245 mm x 235 mm x 40 mm
Weight	470 g

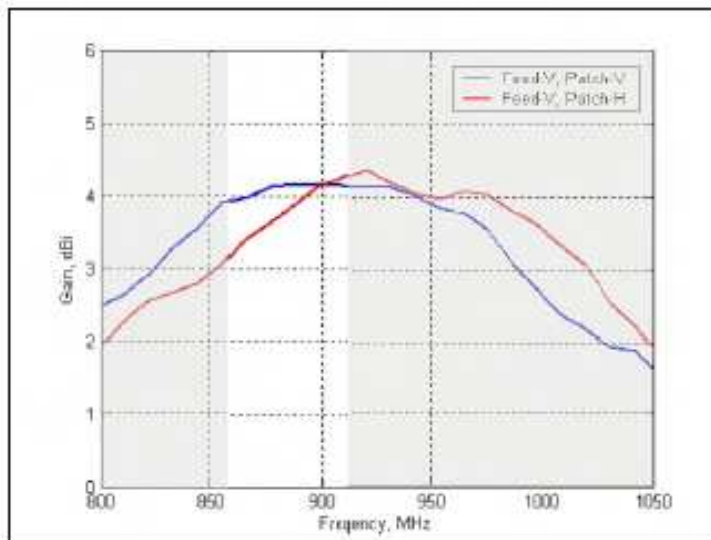
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VSWR

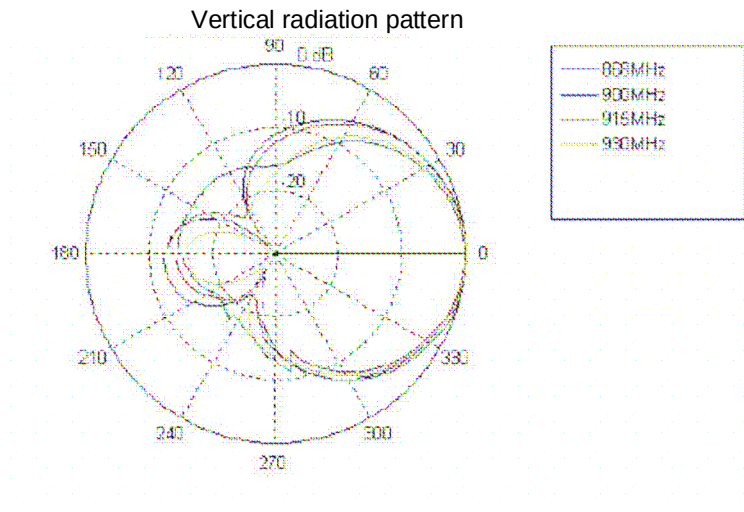


GAIN



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PATCH-A0001-01 Specification

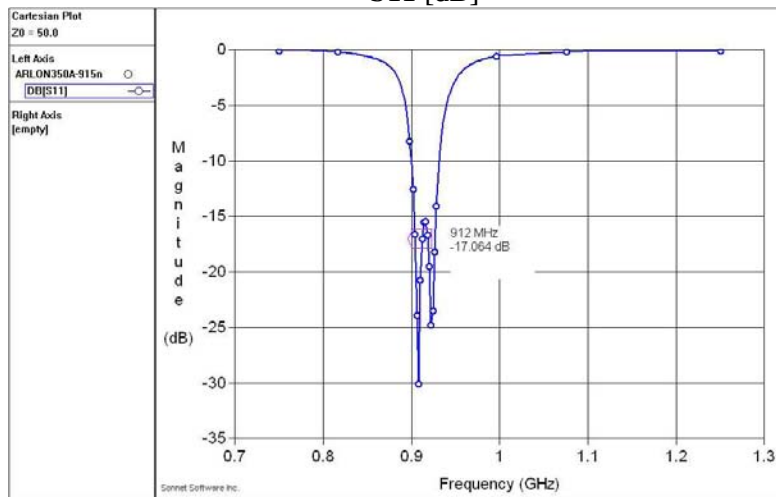
Electrical:

Gain (over band)	2 dBi circularly polarized gain
Frequency	902 - 928 MHz
VSWR	<1.6:1
Power handling	5 W
Polarization	Circular
Impedance	50 ohm

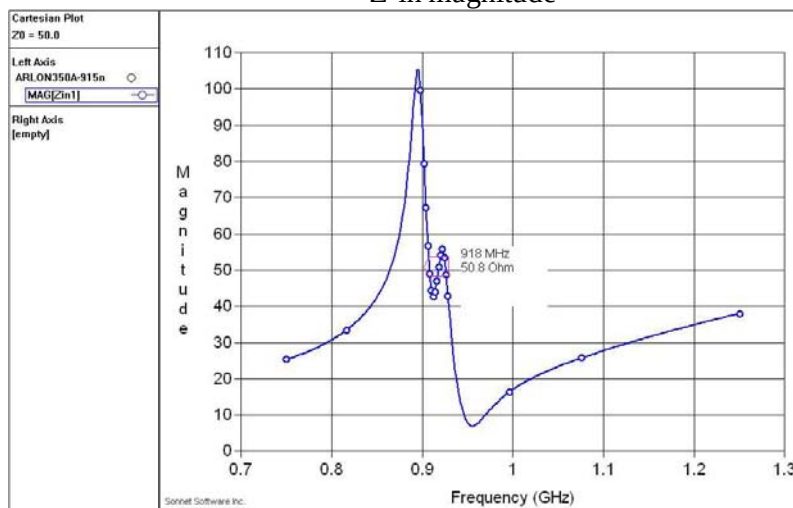
Mechanical:

Dimensions	100 mm x 100 mm x 6 mm
Weight	72 g

S11 [dB]

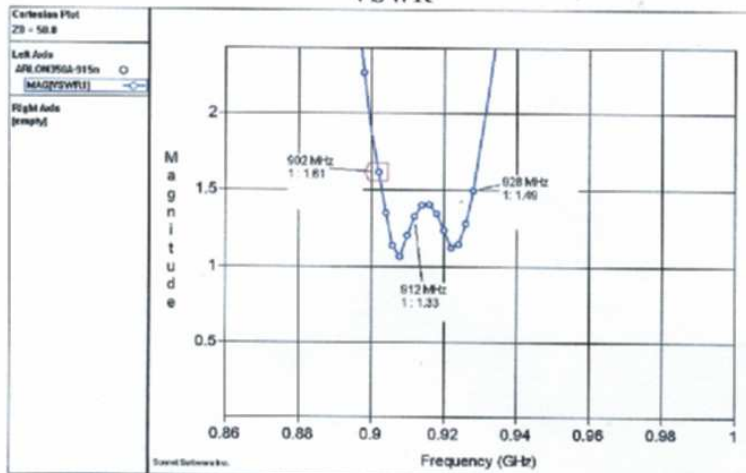


Z-in magnitude

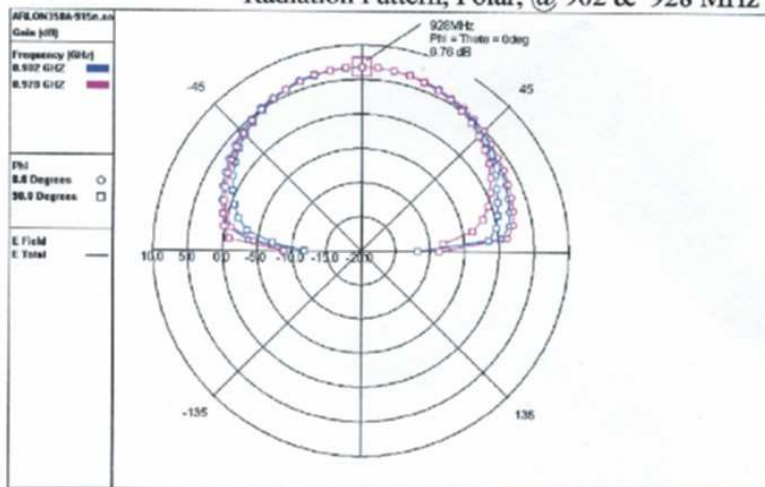




VSWR



Radiation Pattern, Polar, @ 902 & 928 MHz



Yours faithfully
MaxID

Gerhard Mynhardt
President

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