



Shen zhen Golden-Resource Electronic Co.,Ltd.

SPECIFICATION FOR APPROVAL

Date	2025/02/13
File No	25021301
Revision	1.0

CUSTOMER: _____

CUSTOMER NO: _____

PART NAME: 908.4MHz Integral Antenna

SUPPLIER NO: YJW01.029.137.301A

Date: Q'TY:

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	XieLi	ChenXingyi

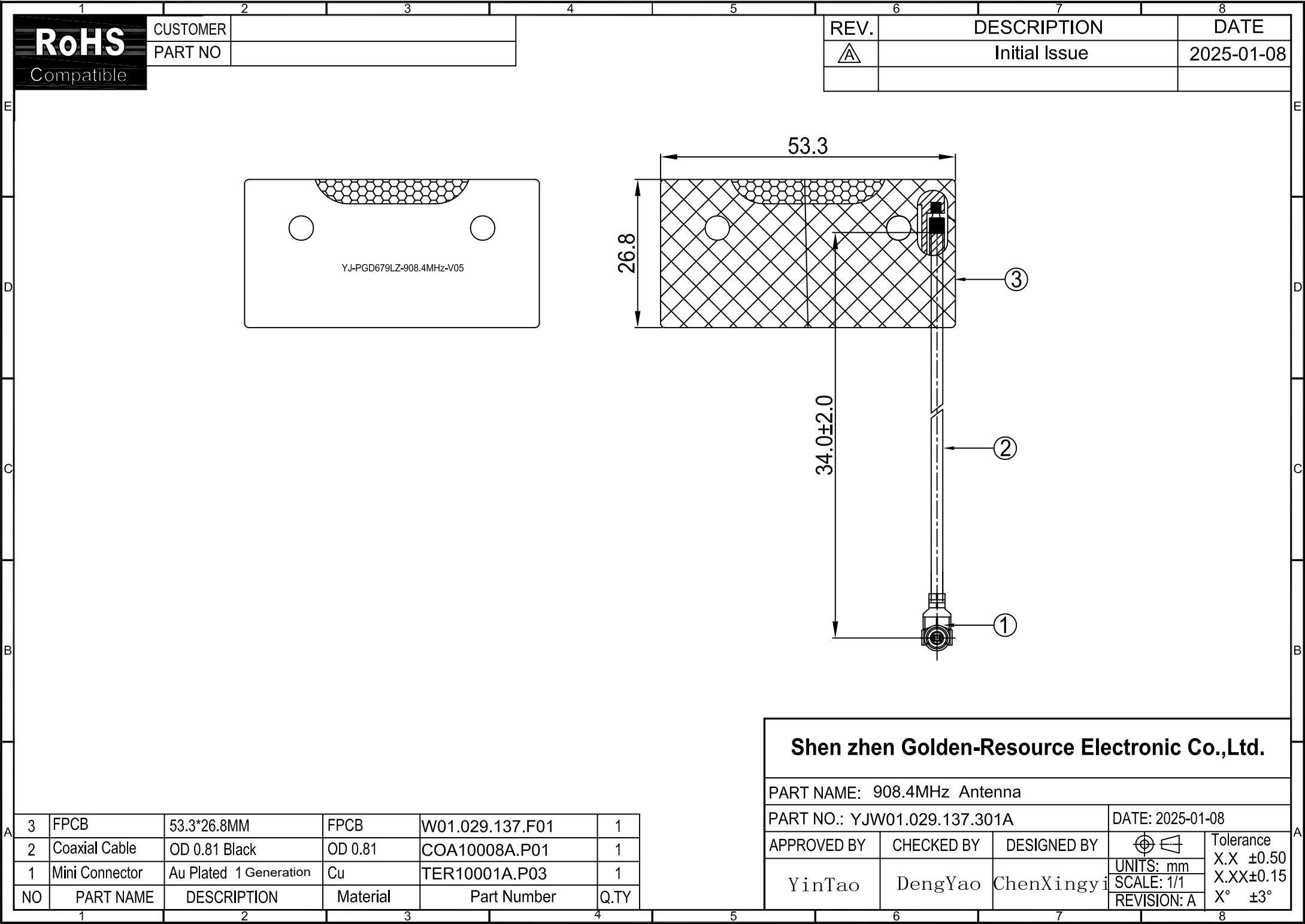
YJ-RD-F04-A

add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen



Spec Item

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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	Initial Issue	2025-01-08

3	FPCB	53.3*26.8MM	FPCB	W01.029.137.F01	1
2	Coaxial Cable	OD 0.81 Black	OD 0.81	COA10008A.P01	1
1	Mini Connector	Au Plated 1 Generation	Cu	TER10001A.P03	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

Shen zhen Golden-Resource Electronic Co.,Ltd.					
PART NAME: 908.4MHz Antenna					
PART NO.: YJW01.029.137.301A				DATE: 2025-01-08	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance	
YinTao	DengYao	ChenXingyi	UNITS: mm	X.X ±0.50	
			SCALE: 1/1	X.XX±0.15	
			REVISION: A	X° ±3°	



Antenna Specification

Electrical Properties

Frequency	908.4MHz
Impedance	50 Ohm Nominal
V.S.W.R	32 Max
Gain	0.6 dBi
Radiation	Omni-directional
Polarization	Linear

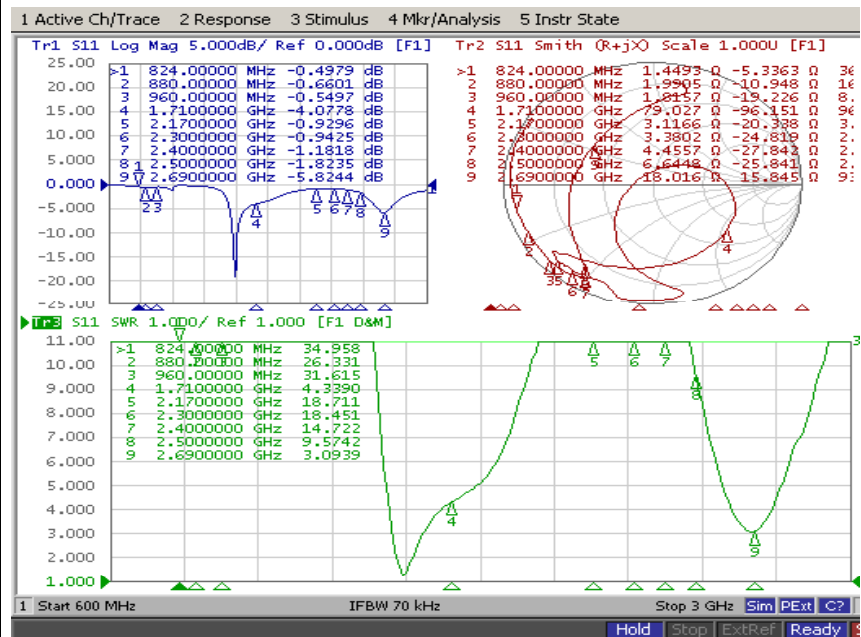
Physical Properties

Connector	1 Generation IPEX
Cable Type	O.D 0.81mm
Cable Length	34mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



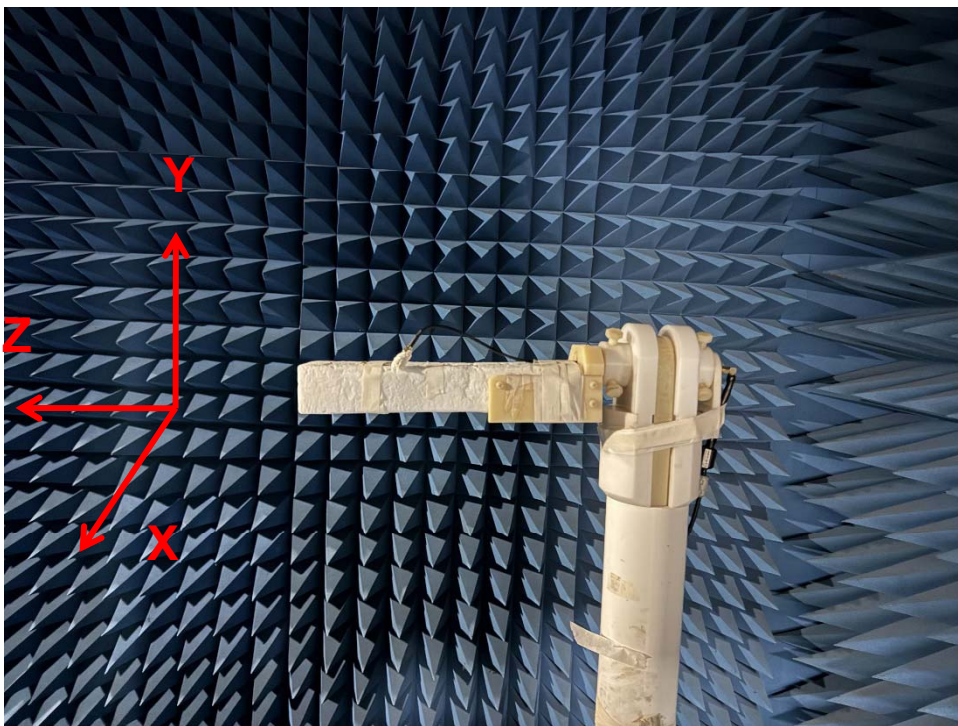
Antenna Performance Test

**Agilent
E5071C
S
Parameter
Test //
908.4MHz
Antenna**





Antenna Passive Test



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Passive Test For 908.4MHz Antenna

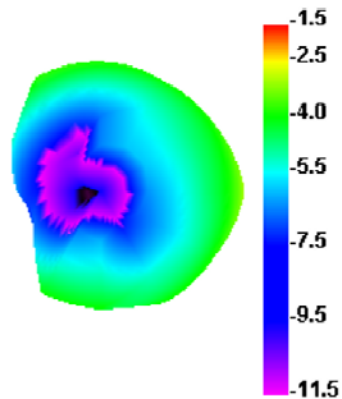
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
860	22.7	-6.5	-1.5
870	20.9	-6.8	-1.8
880	20.6	-6.9	-2.2
890	20.8	-6.8	-2.3
900	21.1	-6.8	-2.3
910	21.2	-6.7	-2.4
920	23.0	-6.4	-2.2
930	26.1	-5.8	-1.8
940	29.3	-5.3	-1.1
950	33.5	-4.7	-0.3
960	37.5	-4.3	0.6

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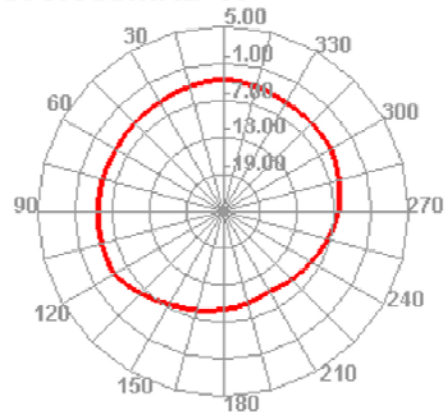


Radiation Pattern For 908.4MHz Antenna(860MHz)

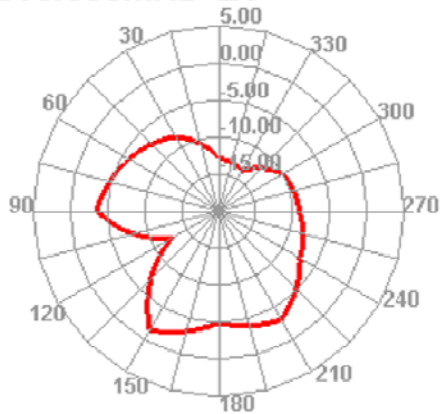
860.000MHz



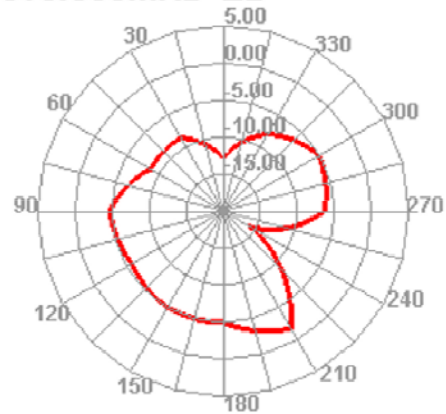
860.000MHz H



860.000MHz E1



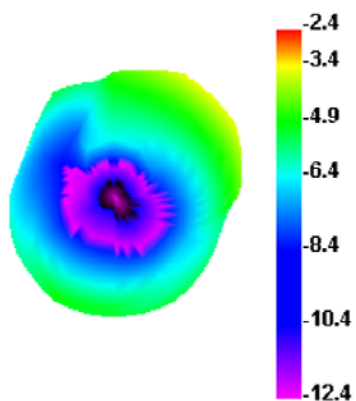
860.000MHz E2



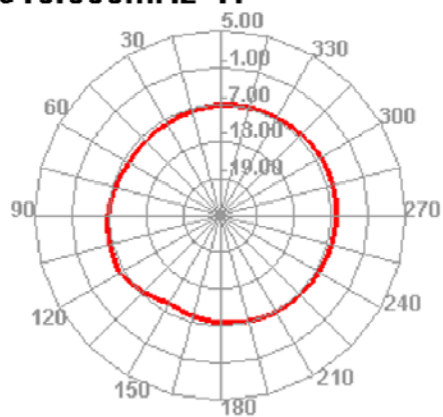


Radiation Pattern For 908.4MHz Antenna(910MHz)

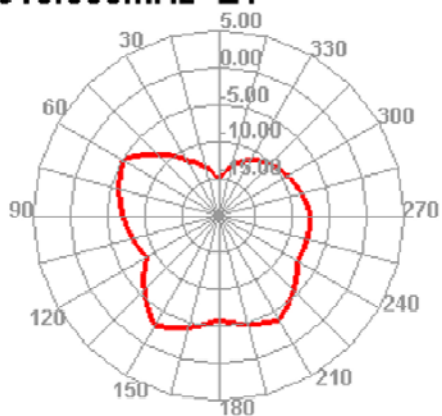
910.000MHz



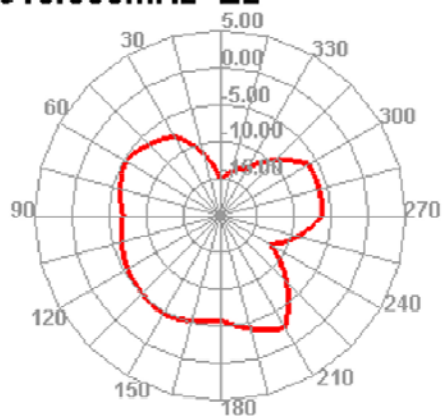
910.000MHz H



910.000MHz E1



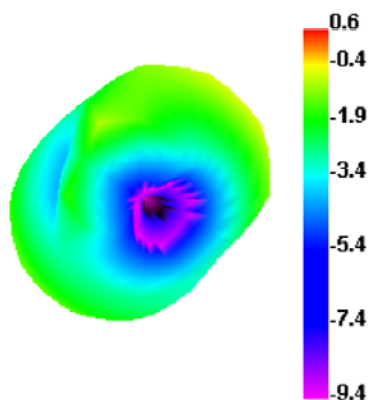
910.000MHz E2



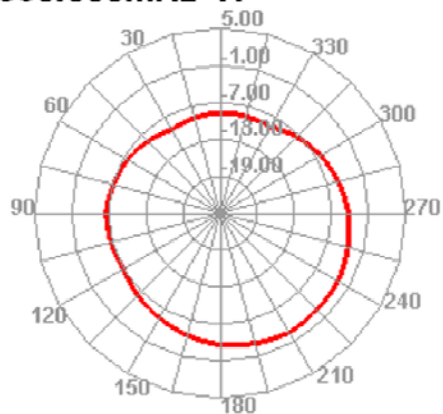


Radiation Pattern For 908.4MHz Antenna(960MHz)

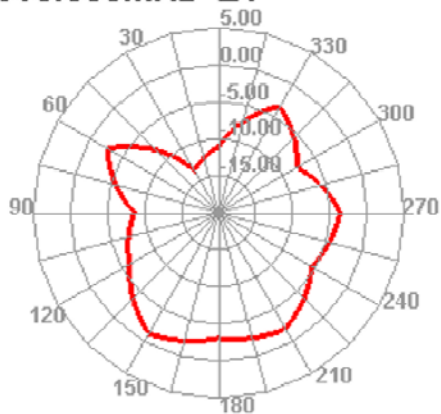
960.000MHz



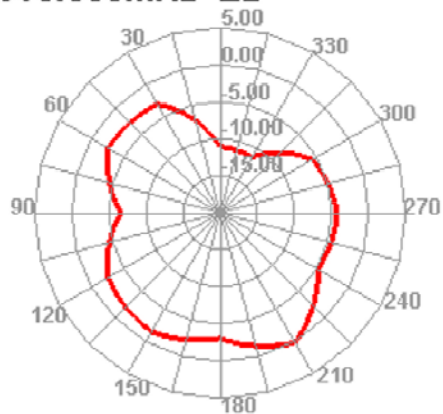
960.000MHz H



960.000MHz E1



960.000MHz E2





**908.4MHz
Antenna**





908.4MHz Antenna

