

CAR GSM Antenna

MODEL: MA-54

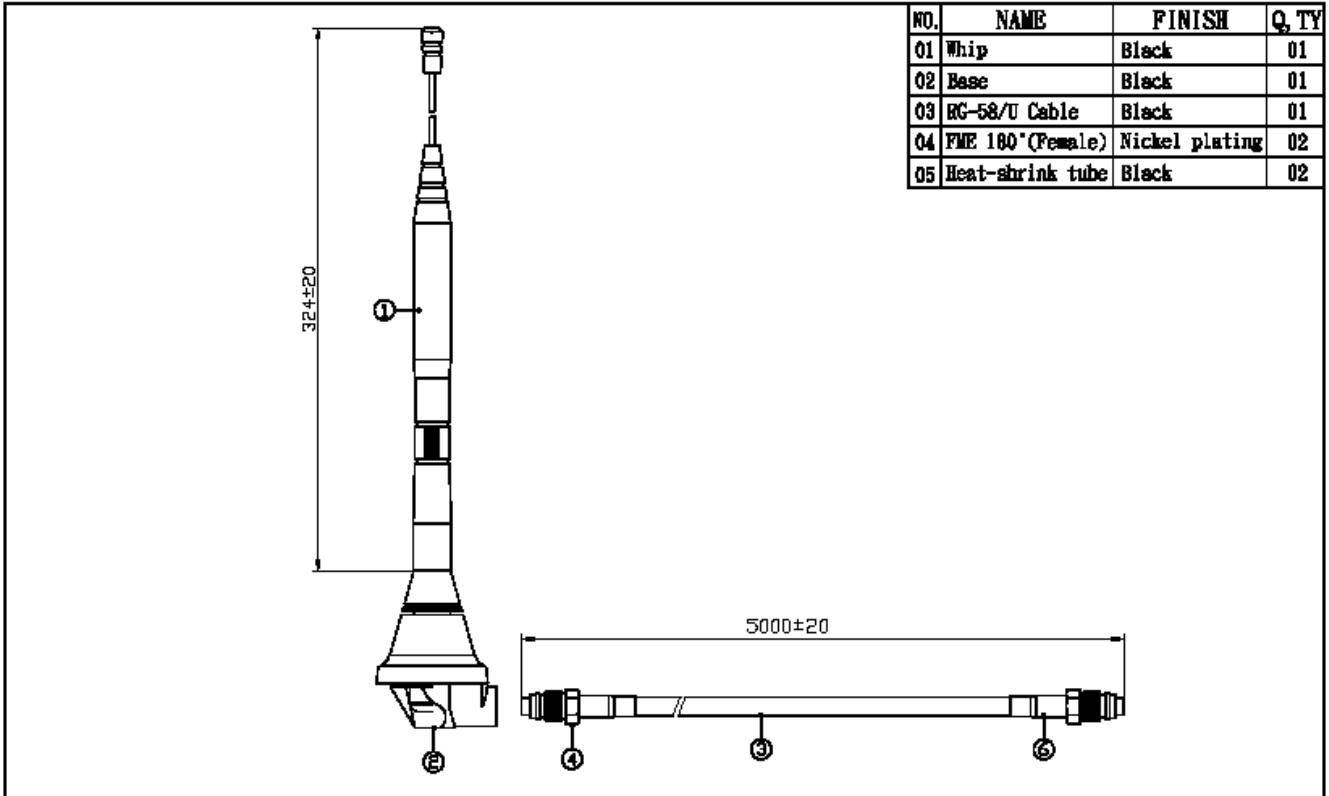


1. Electrica Properties

Parameter	Description
Frequency Band	824-960 / 1710-1990/1990-2170MHZ
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 2 λ Dipole
Return Loss	Please See Data-1
V.S.W.R	2.3:1
Antenna Average Gain	5dBi

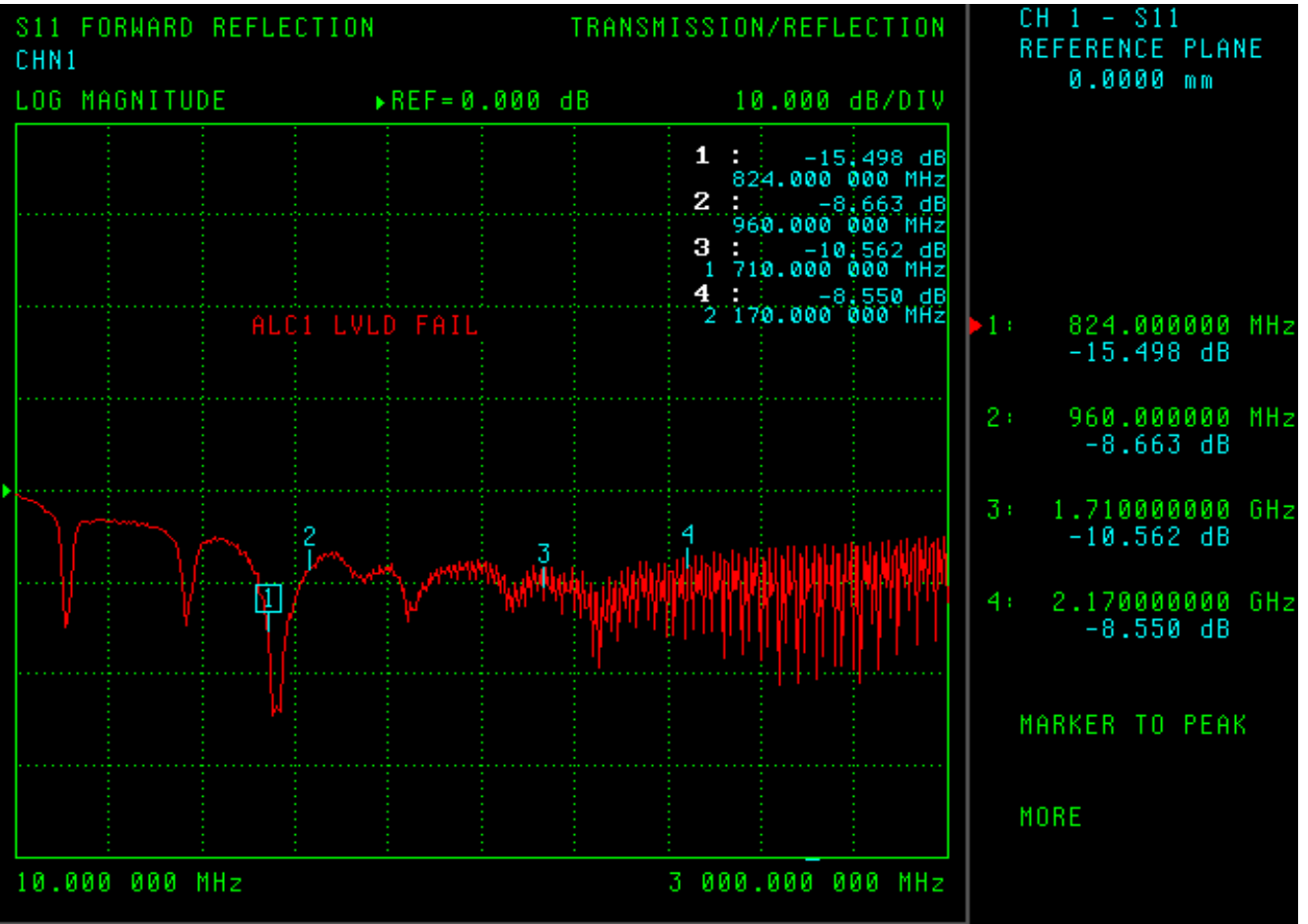
2. Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	FME 180°-Type
Antenna Dimensions	324 mm \pm 20
Antenna Cable Total Length	5000 mm \pm 20
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C



NO.	NAME	FINISH	QTY
01	Whip	Black	01
02	Base	Black	01
03	RG-58/U Cable	Black	01
04	FME 180*(Female)	Nickel plating	02
05	Heat-shrink tube	Black	02

CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			900/1800/1800/2170MHz	M/M		20090913	1
TOLERANCE	X.XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	\sqrt{S}	APPEARANCE					



S11 FORWARD REFLECTION
CHN1

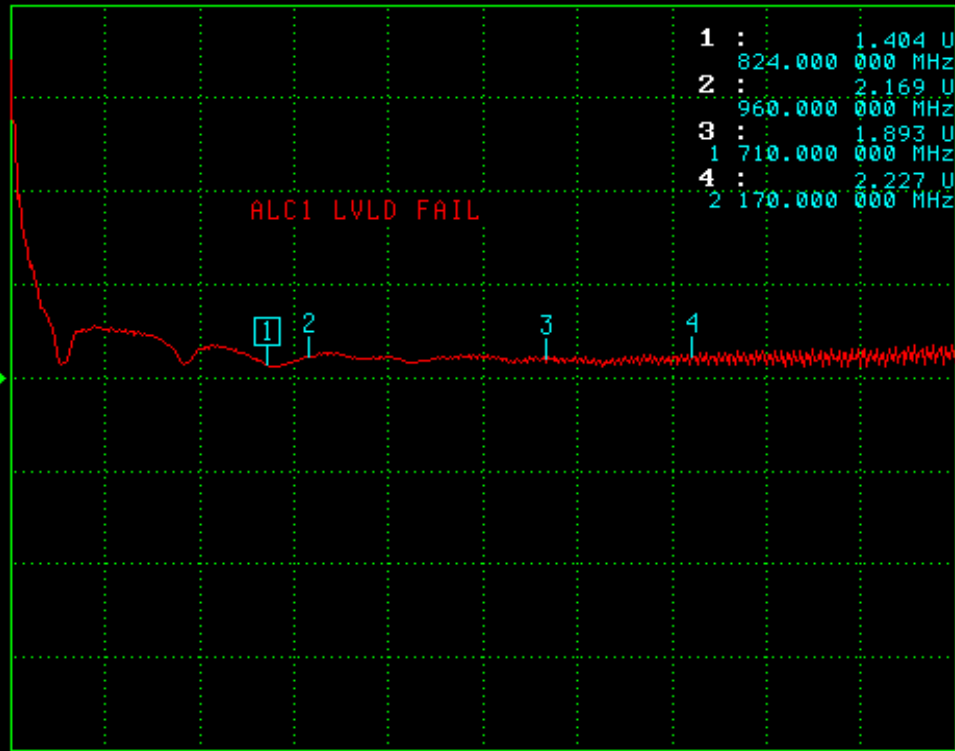
TRANSMISSION/REFLECTION

CH 1 - S11
REFERENCE PLANE
0.0000 mm

SWR

REF=0.000 pU

10.000 U/DIV



1 :	1.404 U
824.000 000 MHz	
2 :	2.169 U
960.000 000 MHz	
3 :	1.893 U
1 710.000 000 MHz	
4 :	2.227 U
2 170.000 000 MHz	

1 :	824.000000 MHz	1.404 U
2 :	960.000000 MHz	2.169 U
3 :	1.710000000 GHz	1.893 U
4 :	2.170000000 GHz	2.227 U

MARKER TO PEAK

MORE

10.000 000 MHz

3 000.000 000 MHz