

VHF Antenna

MODEL: MA-200



1. GENERAL DESCRIPTION

Model No	P/N
MA-200	MA200-3M-BNC(M)

Below is a table summarizing the antenna design specification.

1.2 Electrical Properties

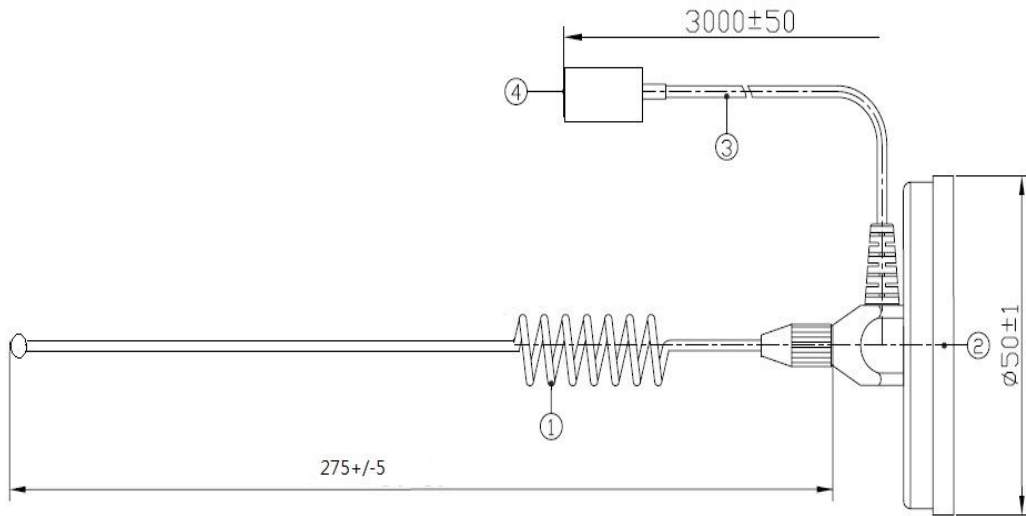
Parameter	Description
Frequency Band	170-240MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 2 λ Dipole
Return Loss	Please See Data-1
V.S.W.R	3.0:1
Antenna Average Gain	0~3dBi
Note: Gain includes the cable loss	

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Magnet Type
Connector Type	BNC 180°-Type
Antenna Dimensions	275 mm ± 5 (310mm+/-5mm)
Antenna Cable Total Length	3000 mm ± 20
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

2. Appearance

NO.	NAME	FINISH	Q, TY
01	Whip	Black	01
02	Base	Black	01
03	RG-174 A/U Cable	Black	01
04	BNC Male	Ni	01

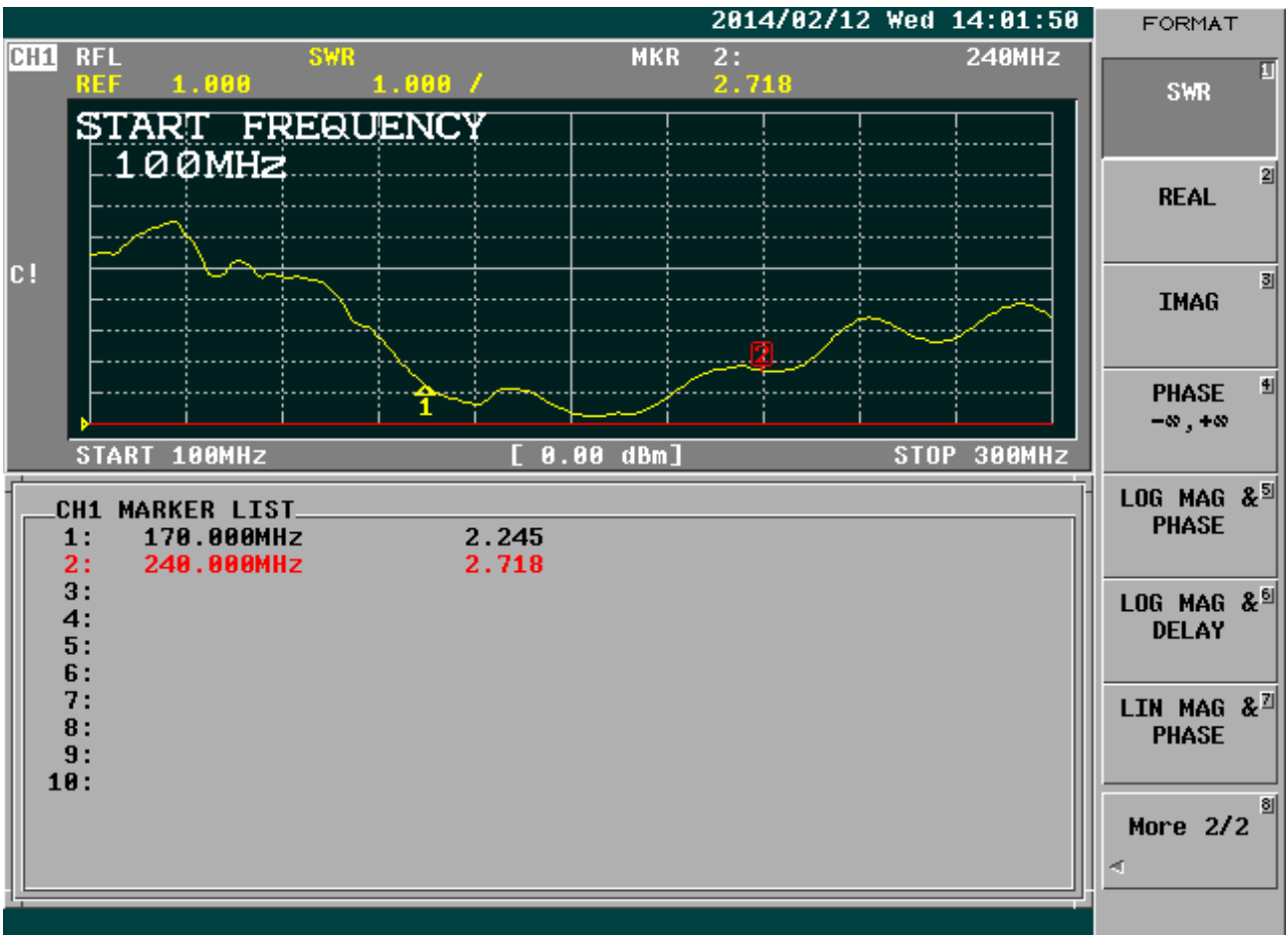


Third angle projection

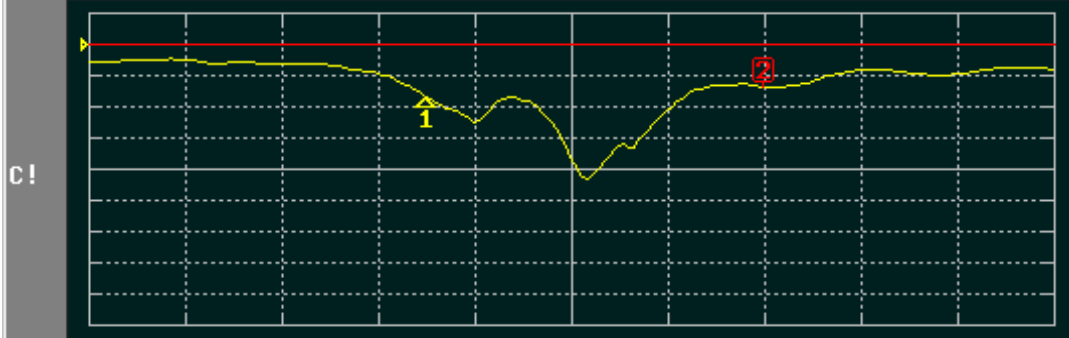


CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			170-240Mhz	M/M		20140212	I
TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	\sqrt{S}	APPEARANCE					

3. Frequenc



CH1 RFL LOG MAG MKR 2: 240MHz
 REF 0.000 dB 5.000 dB/ -6.794 dB



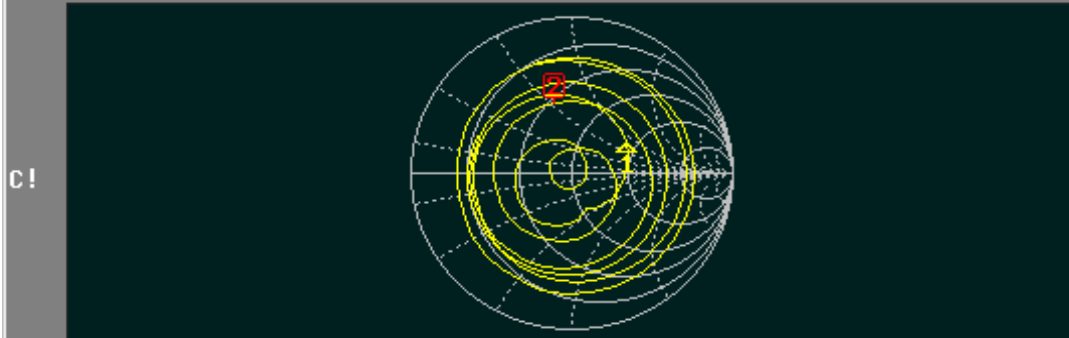
START 100MHz [0.00 dBm] STOP 300MHz

CH1 MARKER LIST

1:	170.000MHz	-8.330 dB
2:	240.000MHz	-6.800 dB
3:		
4:		
5:		
6:		
7:		
8:		
9:		
10:		

- FORMAT
- LOG MAG 1
 - PHASE 2
 - DELAY 3
 - SMITH (R+jX) 4
 - SMITH (G+jB) 5
 - POLAR 6
 - LIN MAG 7
 - More 1/2 8

CH1 RFL SMITH(R+jX) MKR 2: 240MHz
 FS 1.000 27.686 Ω 31.483 Ω



START 100MHz [0.00 dBm] STOP 300MHz

CH1 MARKER LIST

1:	170.000MHz	86.573 Ω	41.353 Ω	38.715nH
2:	240.000MHz	27.686 Ω	31.483 Ω	20.824nH
3:				
4:				
5:				
6:				
7:				
8:				
9:				
10:				

- FORMAT
- LOG MAG 1
 - PHASE 2
 - DELAY 3
 - SMITH (R+jX) 4
 - SMITH (G+jB) 5
 - POLAR 6
 - LIN MAG 7
 - More 1/2 8