

RUBBER ANTENNA SPECIFICATION

Customer : 爱羽达
Specification No.: SA2000041(2)
Model No.: G-RA0K14061003-SZ537

1, Application

The antenna specified in this specification is applicable for the radio-communication

2, Dimensions

As per Drawing No. G-RA0K14061003-SZ537 attached.

3, Materials

As specified in drawing No. G-RA0K14061003-SZ537

4, Electrical Characteristics

- 1) Resonate Frequency : 447±10MHz , Copper Plate 173mm.
- 2) Impedance : 50 ohm Nominal
- 3) Radiation Pattern : Omni Directional
- 4) Polarization : Vertical
- 5) Standing Wave Ratio (S.W.R): 2.0 or less at Resonate point
- 6) Insulation resistance : 500 M ohm at DC 500V
- 7) Waterproof grade : IP68

Antenna submerged 1m, 60 minutes, no electrical abnormalities and associated institutions.

- 8) Using temperature range: -30 °C ~ + 60 °C
- 9) Save the temperature range: - 30 °C ~ + 65 °C
- 10) Gain : 2.14dBi or less

5, Mechanical characteristics:

The strength of fixing between sleeve and stud shall withstand the following stresses

1) Vertical pull test:

Top down to the bottom of the time fixed for five seconds at the top of the suspension
20Kg static load, without electrical and institutions related exceptions

2) Rotational torque test:

In addition to the bottom and sticking with all the antenna is not deformed jig is fixed to the
bottom of the shaft to rotate the direction of each of the two reversing torque 10kg, no
electrical and institutions related exceptions.

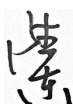
3) Buckling test:

Plus or minus 20 degrees reciprocating buckling Angle after 1000 times of shaking,
confirm the vertical tensile endurance. Vertical tensile strength requirement is more
than 10 kg. Electrical, abnormal happens on institutions.

6, Others:

Any modification of this specification has to be agreed by us

Prepared By:



Checked By:



Approval:

