RUBBER ANTENNA SPECIFICATION

Customer : Specification No.: Model No.:	爱羽达 SA2000041(2) 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-RAOK14061003-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 $^\circ\!\mathrm{C}$ ~ + 60 $^\circ\!\mathrm{C}$		
9)Save the temperature range: - 30 $^\circ\!\mathrm{C}$ ~ + 65 $^\circ\!\mathrm{C}$		
10) Gain	: 2.14dBi or less	
E. Machanical choracteristics		

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

