

WLAN Antenna Specification

1. Explanation of part number :

WAG F LBG0 00
(1) (2) (3) (4)

(1) Product Type : Wireless Antenna

(2) Material : FPCB

(3) Frequency : 1575, 2400-2500, 5150-5850 MHz

(4) Coaxial Cable Type : 00

2. Storage Condition:

Temperature -40 to +70°C
Humidity 65±20 % RH

3. Operating Condition:

Temperature -40 to +70°C
Humidity 65±20 % RH

4. Electrical Specification :

Those specifications were specially defined for SN333 model, and all characteristics were measured under the model's handset testing jig .

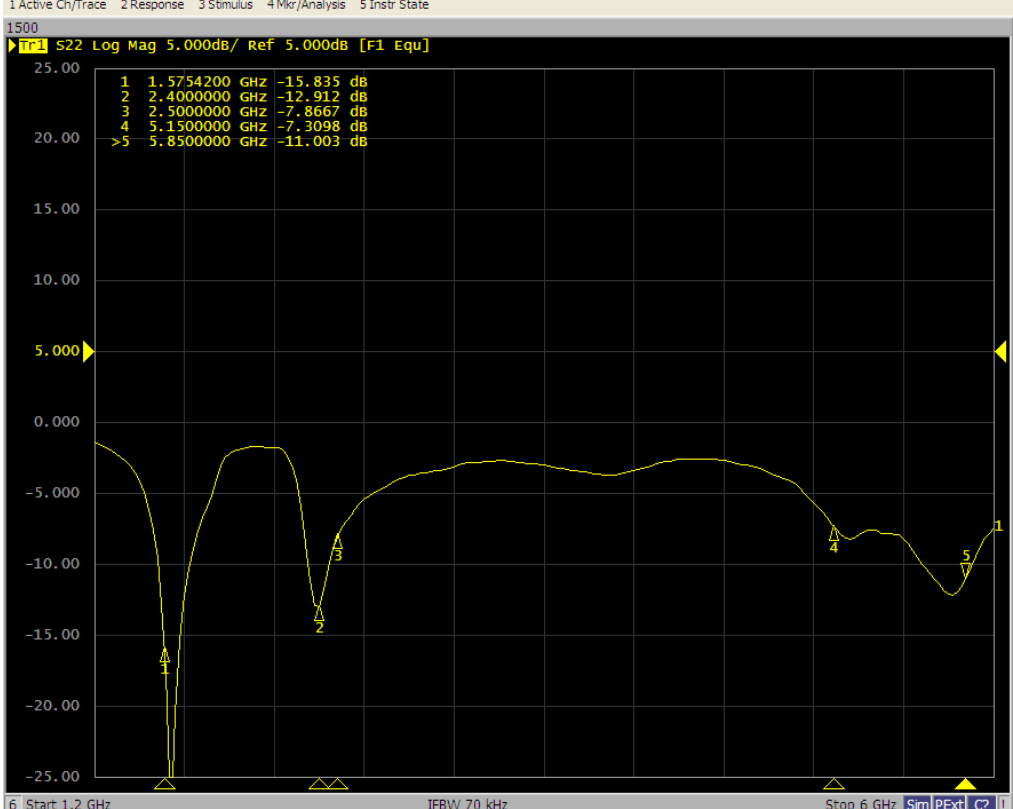
4-1. Frequency Band:

Frequency Band	MHz
ANT5	1575,2400-2500,5150-5850 MHz

4-2. Impedance

50 ohm nominal

4-3. Return Loss:

Frequency Band	1575	2400	2500	5150	5850
4-3-1. Typical Value:	≤ -5	≤ -5	≤ -5	≤ -5	≤ -5
4-3-2. Measuring Method	1. A 50 Ω coaxial cable is connected to the fpcb antenna. Then this cable is connected to a network analyzer to measure the Return Loss. 2. Keeping this jig away from metal at least 20 cm.				
4-3-3 Picture					

4-4. OTA And Efficiency

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=±0.15 X.XX=±0.15 ANGLES=± HOLEDIA=±		惠州硕贝德无线科技股份有限公司 Huizhou Speed Wireless Technology Co.,Limited	
SCALE :	UNIT : mm	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
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DESIGNED BY : 代长滨	APPROVED BY : 李朋		
TITLE : WAG-F-S6G3-00-011		DOCUMENT NO.	PAGE REV. V2

1550	-3.35
1560	-3.57
1570	-3.98
1580	-4.20
1590	-4.82
1600	-5.22
1610	-5.64
1620	-5.90
2300	-7.25
2310	-7.01
2320	-6.46
2330	-5.82
2340	-5.51
2350	-4.98
2360	-4.20
2370	-3.91
2380	-3.62
2390	-3.39
2400	-3.20
2410	-3.22
2420	-3.39
2430	-3.33
2440	-3.31
2450	-3.52
2460	-3.32
2470	-3.29
2480	-3.19
2490	-3.27
2500	-3.32

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HOLEDIA=±

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5160	-5.58
5170	-5.57
5180	-5.45
5190	-5.15
5200	-5.56
5210	-5.68
5220	-5.36
5230	-5.68
5240	-5.73
5250	-5.64
5260	-5.75
5270	-5.79
5280	-6.22
5290	-6.09
5300	-5.56
5310	-5.44
5320	-5.58
5330	-6.02
5340	-5.65
5350	-5.85
5360	-6.05
5370	-5.76
5380	-5.68
5390	-6.03
5400	-6.21
5410	-5.85
5420	-5.75
5430	-5.66
5440	-5.52
5450	-5.46
5460	-5.32
5470	-5.35
5480	-5.39
5490	-5.16
5500	-5.14
5510	-5.46
5520	-5.64
5530	-5.54
5540	-5.61
5550	-5.62
5560	-5.34
5570	-5.09
5580	-5.06
5590	-5.11
5600	-5.01
5610	-4.68

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ANGLES=±

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5620	-4.58
5630	-4.80
5640	-4.88
5650	-4.94
5660	-5.26
5670	-5.29
5680	-4.92
5690	-4.94
5700	-5.12
5710	-5.16
5720	-4.90
5730	-4.65
5740	-4.85
5750	-4.89
5760	-4.91
5770	-4.99
5780	-5.08
5790	-5.11
5800	-4.91
5810	-4.85
5820	-4.78
5830	-4.63
5840	-4.69
5850	-4.61
5860	-4.70
5870	-4.55
5880	-4.43
5890	-4.80
5900	-4.59

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ANGLES=±

HOLEDIA=±

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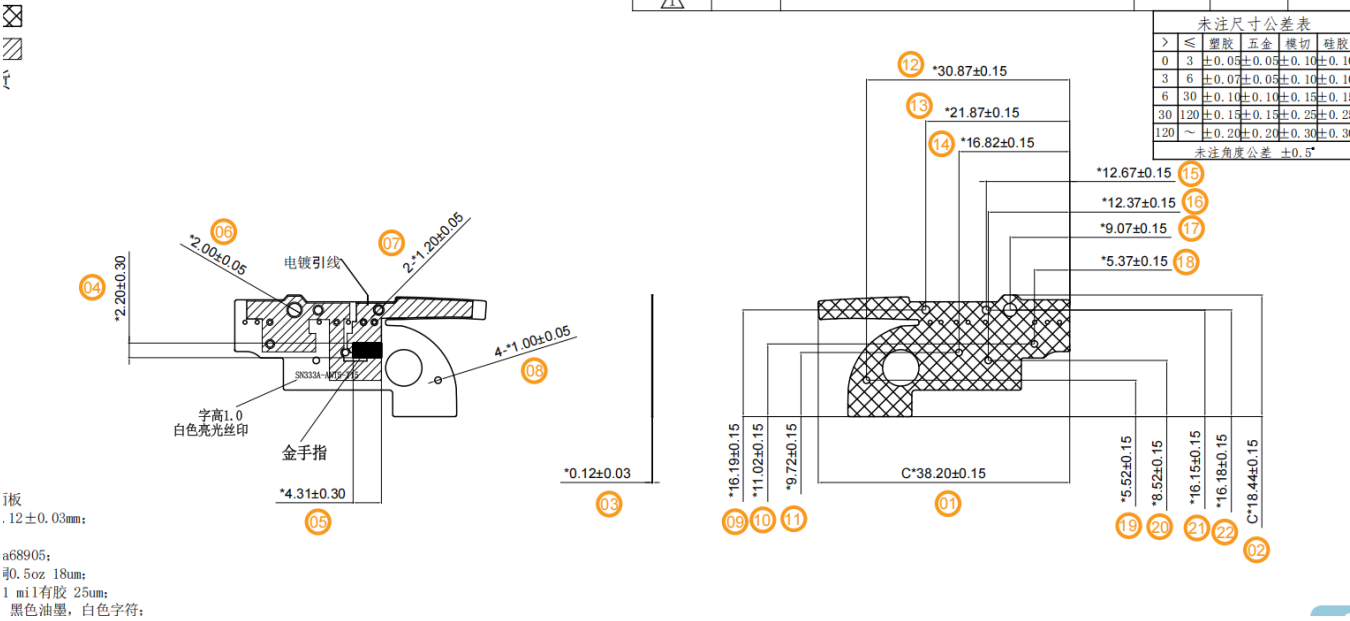
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5. Antenna Dimensions:(unit:mm)



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