Theta $=90$ freq $=5350 \mathrm{MHz}$


Theta $=90$ freq $=5500 \mathrm{MHz}$


Theta＝90 freq＝$=5720 \mathrm{MHz}$


Phi＝90 freq＝5350MHz


Phi＝90 freq＝5500MHz


Phi＝90 freq＝5720MHz


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## 4 ．Product characteristics

a．Selection of high－quality FPC and radio frequency cable，self－attenuation；
b．Stable performance，long service life；
c．Standing wave in frequency band is good．

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5，Drawing
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## 6，Reliability testing

## 1 Environmental experiment

High and low temperature and humidity test report

| test project | High temperature，low temperature and constant humidity test |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| name | Built－in antenna （WWXL6008822） |  |  | date |  | 2023． 07.24 |
| device | Constant temperature and humidity test box network analyzer |  |  | Quantity |  | 5PCS |
| Inspectin standards | 1．There are no defects such as peeling off，cracks，winkes，etc．on the metal surface；non－metal parts mustnothave defeds such as disoloration，cracking，deformation，degumming． <br> 2．The electrical test meets the design requirements；the voltage standing wave ratio testis satisfactory． |  |  |  |  |  |
| Test name | Pilot projects | request | experiment method | Actual test data | result |  |
|  |  |  |  |  | $\begin{aligned} & \text { samp } \\ & \text { le } \end{aligned}$ | $\begin{aligned} & \text { Assessmen } \\ & \text { t result } \end{aligned}$ |
| High temperature test | Temperature（ ${ }^{\circ} \mathrm{C}$ ）Test sampletemperaturestabilization time（H）Test duration（h）Recoverytime（h） | $\begin{aligned} & +85 \pm 3 \\ & 1 \\ & 2 \\ & 1 \end{aligned}$ | $\begin{aligned} & 9 \\ & \text { according } \\ & \text { to GB2423. } \\ & \text { 1-89 } \\ & \text { Method } \end{aligned}$ | $\begin{aligned} & +87 \\ & 1.2 \\ & 2.3 \\ & 1 \end{aligned}$ | 1 | qualified |
|  |  |  |  |  | 2 | qualified |
|  |  |  |  |  | 3 | qualified |
|  |  |  |  |  | 4 | qualified |
|  |  |  |  |  | 5 | qualified |
| Low temperature test | Temperature（ ${ }^{\circ} \mathrm{C}$ ） Test sample temperature stabilization time <br> （h）Test duration <br> （h）Recovery time <br> （h） | $\begin{aligned} & -45 \pm 3 \\ & 1 \\ & 2 \\ & 1 \end{aligned}$ | 8th in accordanc e with GB2423． 1－89 <br> Method | $\begin{gathered} -46 \\ 1.2 \\ 2.4 \\ 1.1 \end{gathered}$ | 1 | qualified |
|  |  |  |  |  | 2 | qualified |
|  |  |  |  |  | 3 | qualified |
|  |  |  |  |  | 4 | qualified |
|  |  |  |  |  | 5 | qualified |
| Constant Damp <br> Heat Test | Tempera ture <br> （ ${ }^{\circ} \mathrm{C}$ ）Relati ve humidity （\％） | $\begin{aligned} & +40 \pm 2 \\ & 90-95 \\ & 21 \\ & 1 \end{aligned}$ | According <br> to GB2423． <br> 3－93 <br> Section 5 <br> Method | $\begin{aligned} & +42 \\ & 92 \\ & 22 \\ & 1.1 \end{aligned}$ | 1 | qualified |
|  |  |  |  |  | 2 | qualified |
|  |  |  |  |  | 3 | qualified |
|  |  |  |  |  | 4 | qualified |

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## 7．Packing instructions



