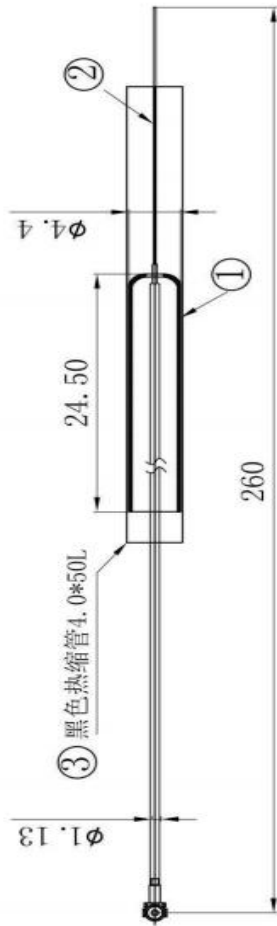


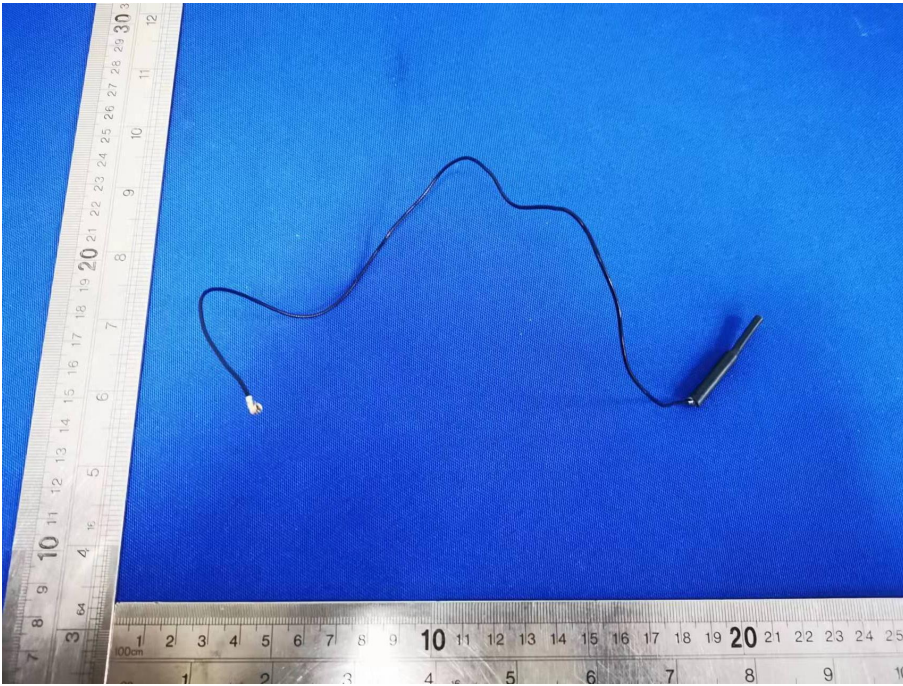
Printed antenna test report

(A).Printed antenna pattern:



| ITEM | ANT SPEC |
|--------------|---|
| Model Name | 2.4G ANT |
| MAX. Gain | -2.33 dBi |
| Manufacturer | ROXX GmbH |
| Address | Hansestrasse No. 91 51149 Cologne Germany |

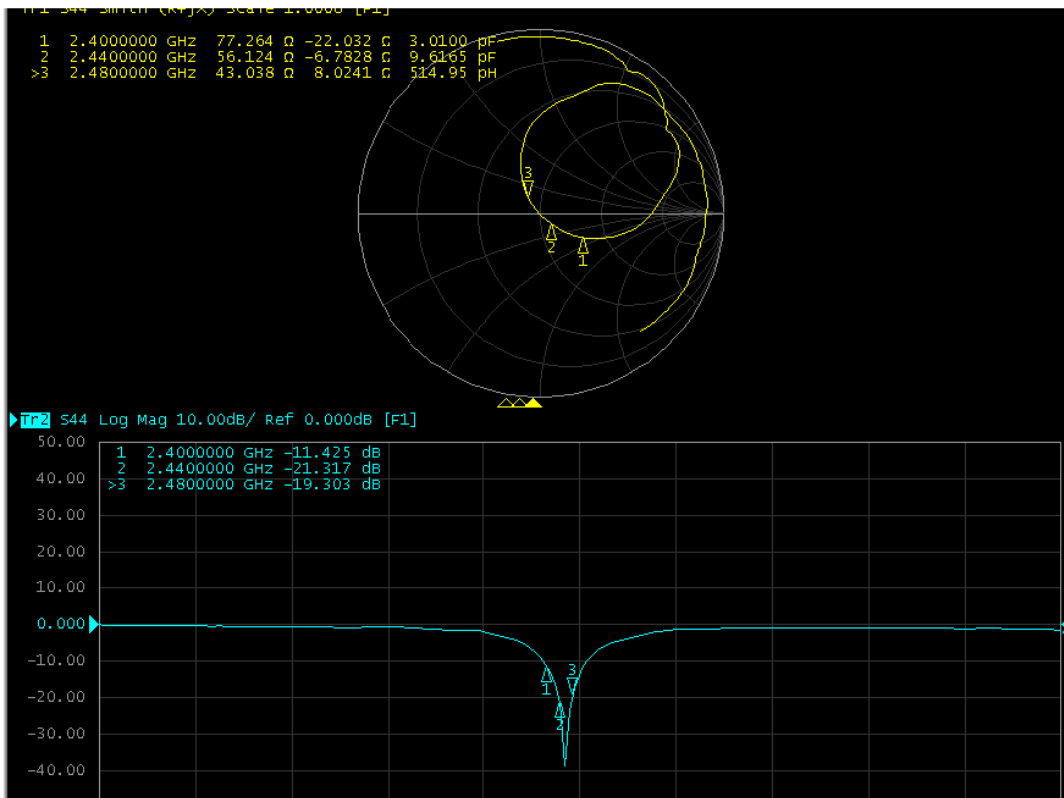
(B) Eut photo:



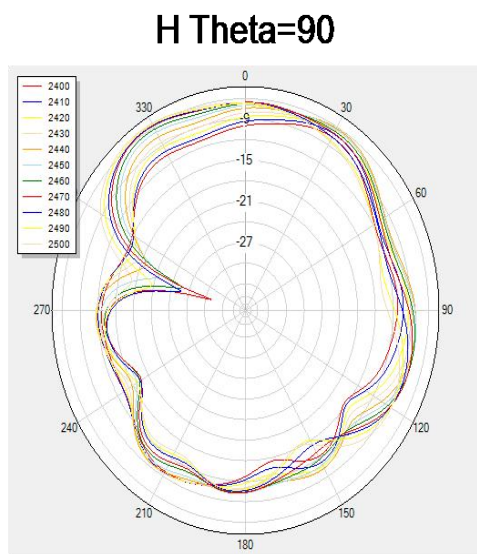
(C) Test set photos



Return loss



Typical Free Space 3D Radiation Pattern at 2.45GHz:



Gain Table(Unit :dBi):

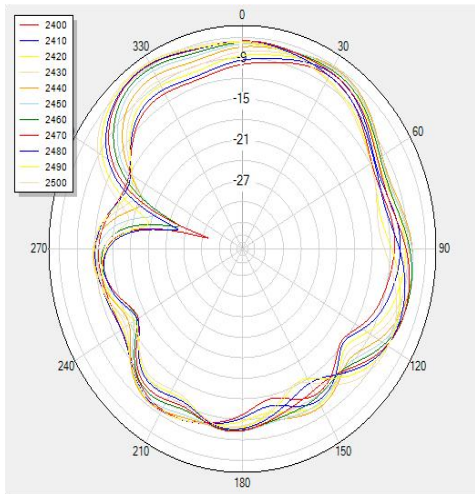
| @2.4GH | Peak | Avg. gain |
|--------|-------|-----------|
| X-Y-H | -2.33 | -5.76 |
| X-Y-V | -6.94 | -9.11 |
| X-Z-H | -3.62 | -6.43 |
| X-Z-V | -4.65 | -7.71 |
| Y-Z-H | -4.86 | -7.80 |
| Y-Z-V | -5.74 | -8.28 |

| @2.45G | Peak | Avg. gain |
|--------|-------|-----------|
| X-Y-H | -3.77 | -6.55 |
| X-Y-V | -8.04 | -9.68 |
| X-Z-H | -3.64 | -7.79 |
| X-Z-V | -5.84 | -8.93 |
| Y-Z-H | -5.30 | -7.96 |
| Y-Z-V | -6.38 | -8.30 |

| @2.5GH | Peak | Avg. gain |
|--------|-------|-----------|
| X-Y-H | -3.51 | -7.22 |
| X-Y-V | -7.35 | -10.61 |
| X-Z-H | -4.41 | -7.85 |
| X-Z-V | -5.38 | -9.17 |
| Y-Z-H | -5.89 | -8.74 |
| Y-Z-V | -6.65 | -9.58 |

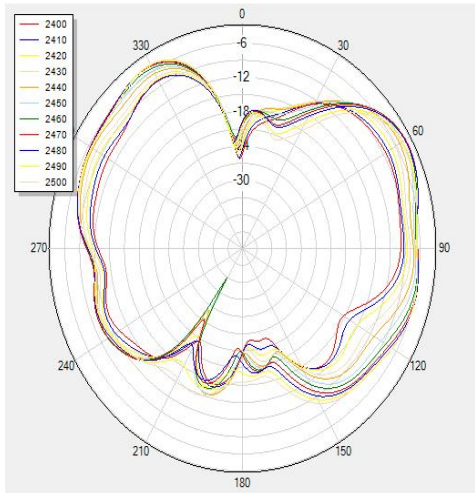
X-Y cut @2.45GHz

H Theta=90



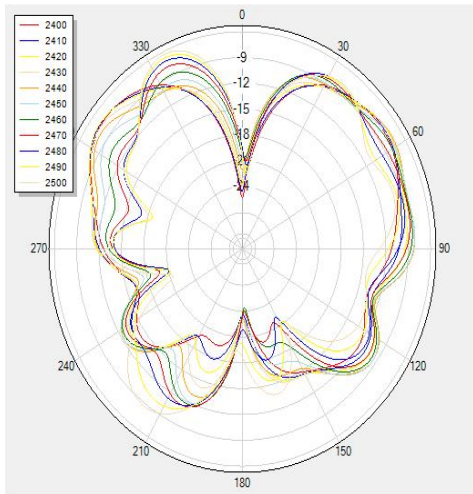
X-Z cut @2.45GHz

V Phi=0



Y-Z cut @2.45GHz

V Phi=90



-----End-----