Manufacturer:shenzhen HuaSai Electric Technology Co.Ltd.
Adress: Room 201, Building 2, Houhai Industrial Park, Liyue River Industrial Zone, Loucun Community, Xinhu Street, Guangming District, Shenzhen
spce:ANT_XZR01

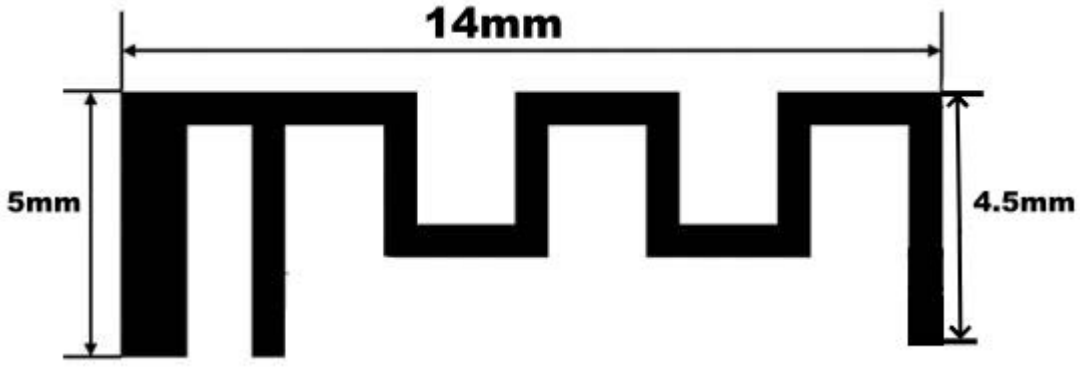
Product specification

Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400 ~ 2500GHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	60.2 %	
Gain (dBi)	2.00	
Maximum Power (dBm)	2.00	
Minimum Power (dBm)	-3.83	
Avg. Power (dBm)	-0.48	
Input Impendence(ohm)	50	
Polarization Type	Vertical & Horizontal	
V. S .W. R	< 1.4	

All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board

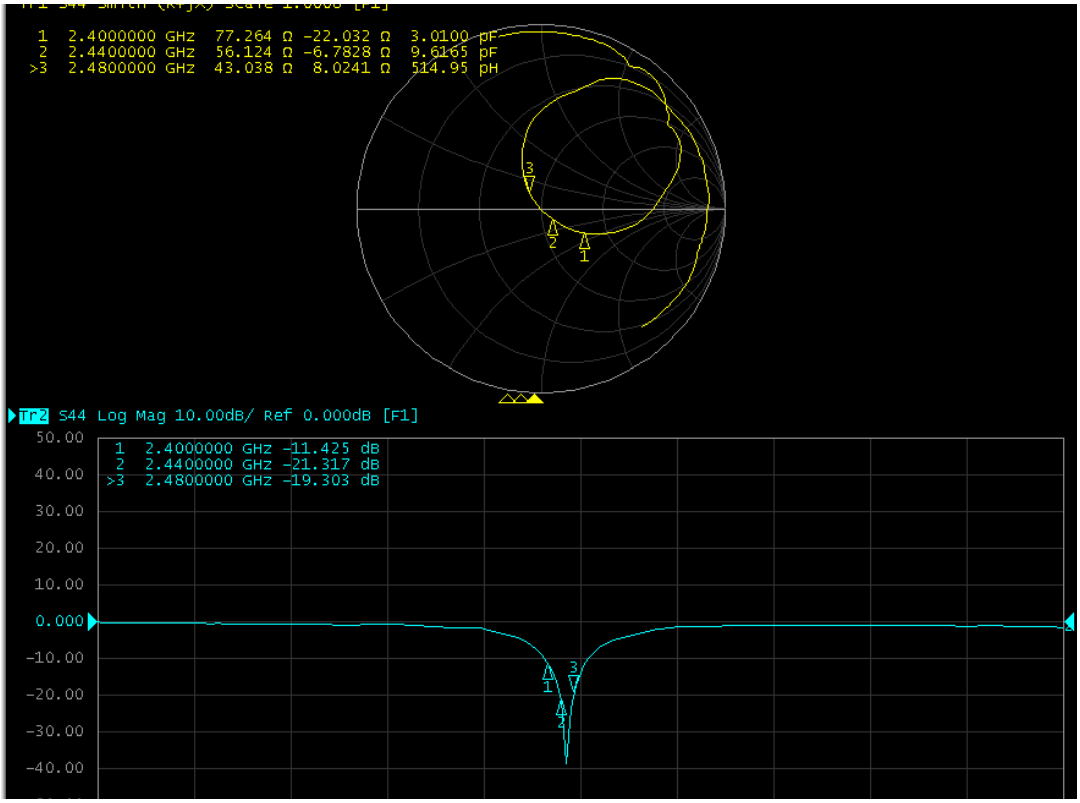


Antenna Gain

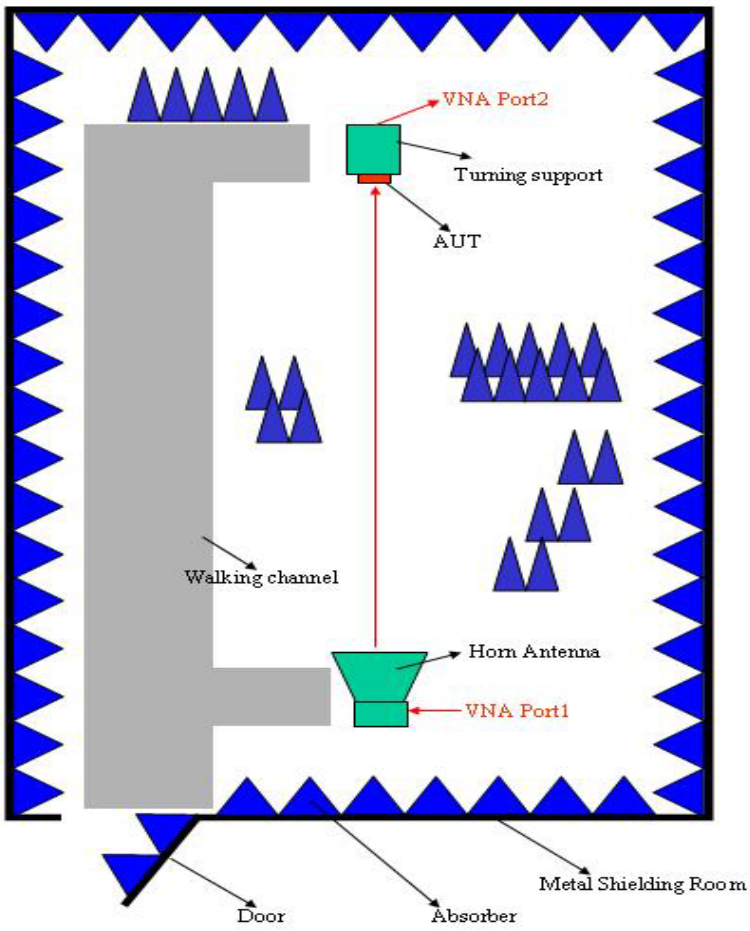
Gain Table

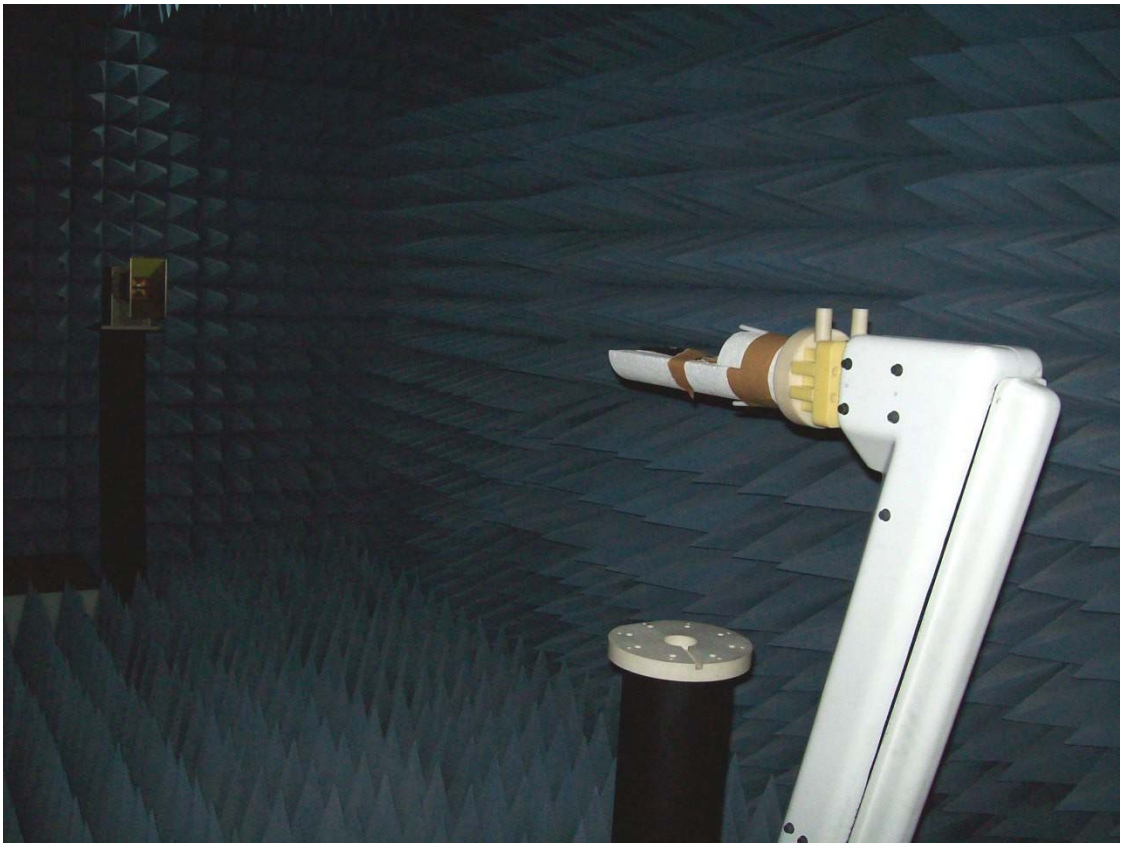
Frequency band	2400MHz		2450MHz		2500MHz		
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.60	-0.48	2.00	-3.83	1.90	-2.99	60.2 %

Return Loss

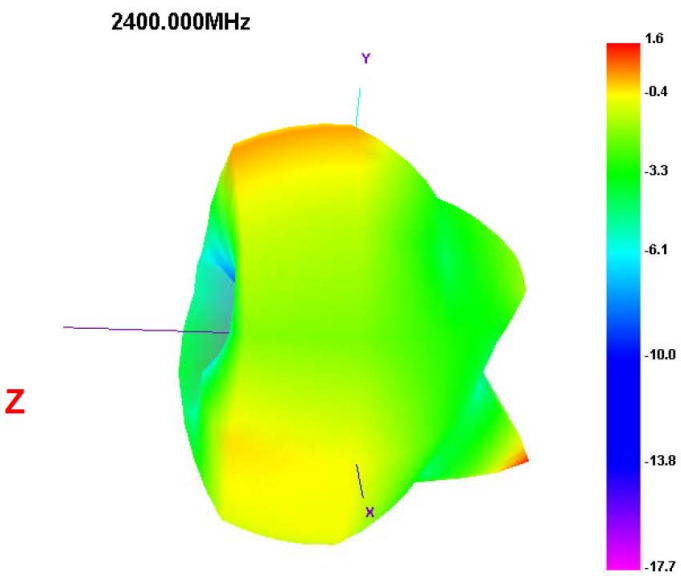

1 2.4000000 GHz 77.264 Ω -22.032 Ω 3.0100 pF
2 2.4400000 GHz 56.124 Ω -6.7828 Ω 9.6165 pF
>3 2.4800000 GHz 43.038 Ω 8.0241 Ω 514.95 pH
Tr2 S44 Log Mag 10.00dB/ Ref 0.000dB [F1]
1 2.4000000 GHz -11.425 dB
2 2.4400000 GHz -21.317 dB
>3 2.4800000 GHz -19.303 dB
50.00
40.00
30.00
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00

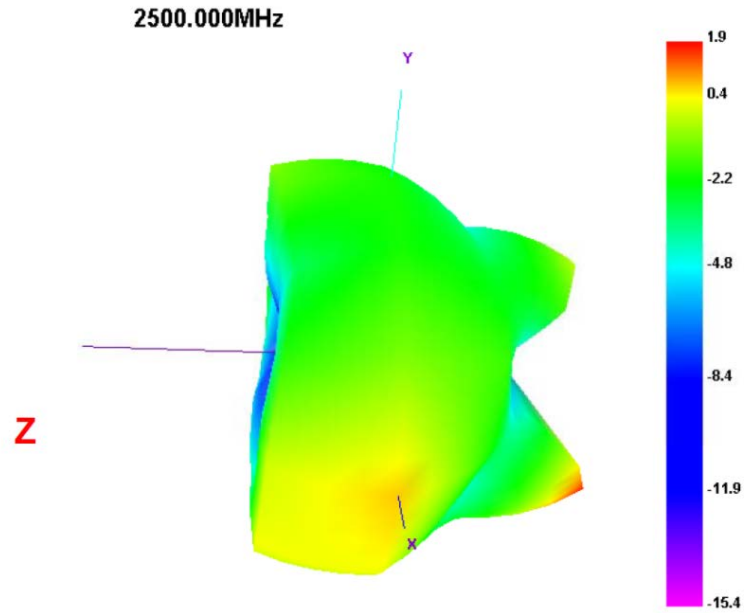
The Environment of Antenna Radiation Pattern

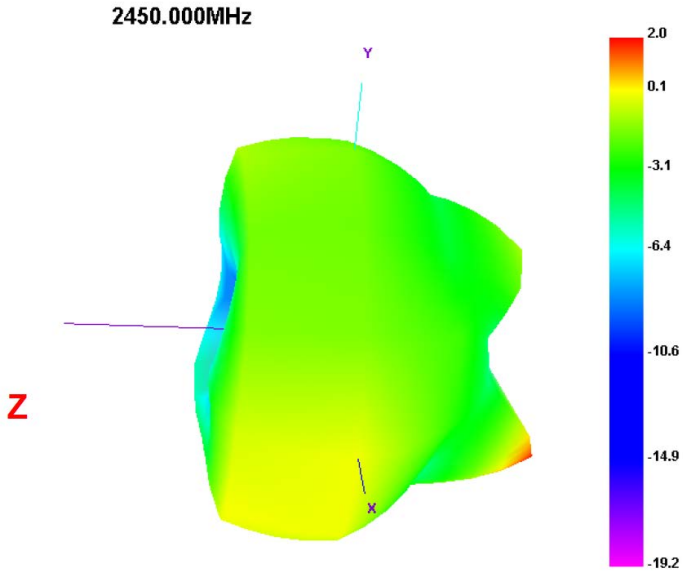
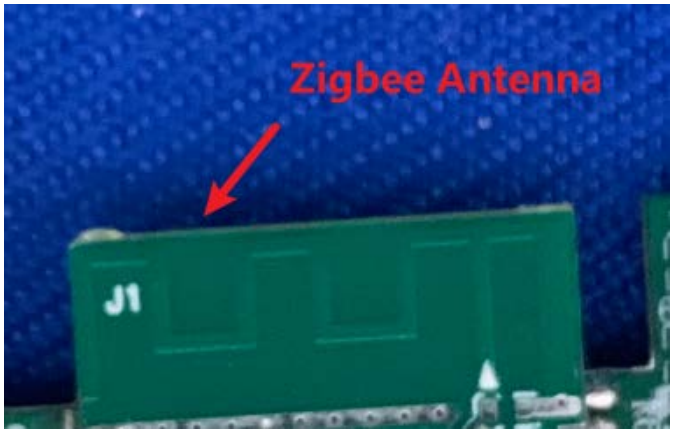




3D Test Pattern







EUT Photo