

Shenzhen You Sheng Mei Technology Co., Ltd.

Building A, A2-1501, Kexing Science Park, No. 15 Keyuan Road, Science Park Community, Yuehai Subdistrict, Nanshan District, Shenzhen City.

Product specification

Specification		
Part Number	WAN3216F245M08	
Central Frequency	2450	MHz
Bandwidth	120 (Min.)	MHz
Return Loss	-10(Max)	dB
Peak Gain	-5.39	dBi
Impedance	50	Ohm
Operating Temperature	-40~+110	°C
Maximum Power	4	W
Resistance to Soldering Heats	10 (@ 260°C)	sec.
Polarization	Linear	
Azimuth Beamwidth	Omni-directional	
Termination	Cu / Sn (Leadless)	

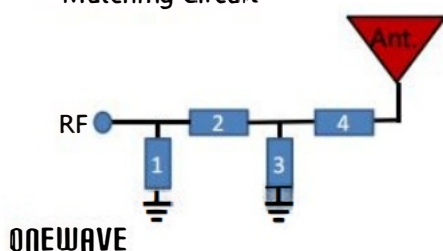
Ant. Matching

- Antenna Placement



- Matching Circuit

天線淨空區：—mm



	LC	P/N
Ant.	WAN3216F245M08	
1	NC	—
2	0R	—
3	3.0nH	Murata
4	2.4nH	Murata

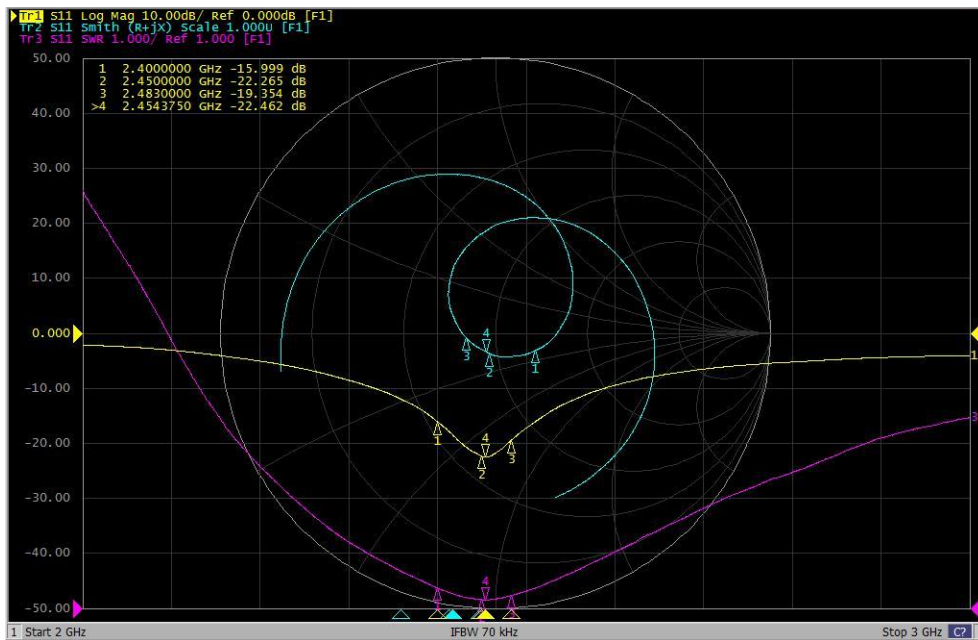
ONEWAVE

Antenna Gain

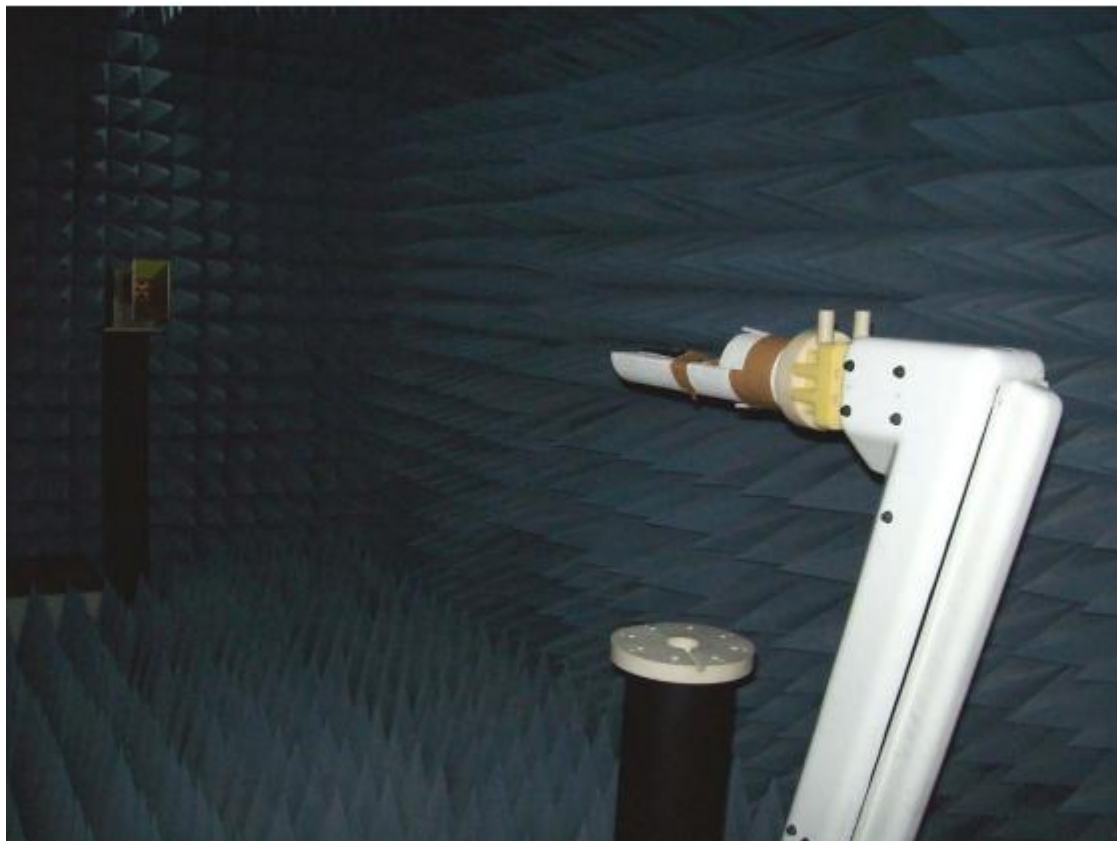
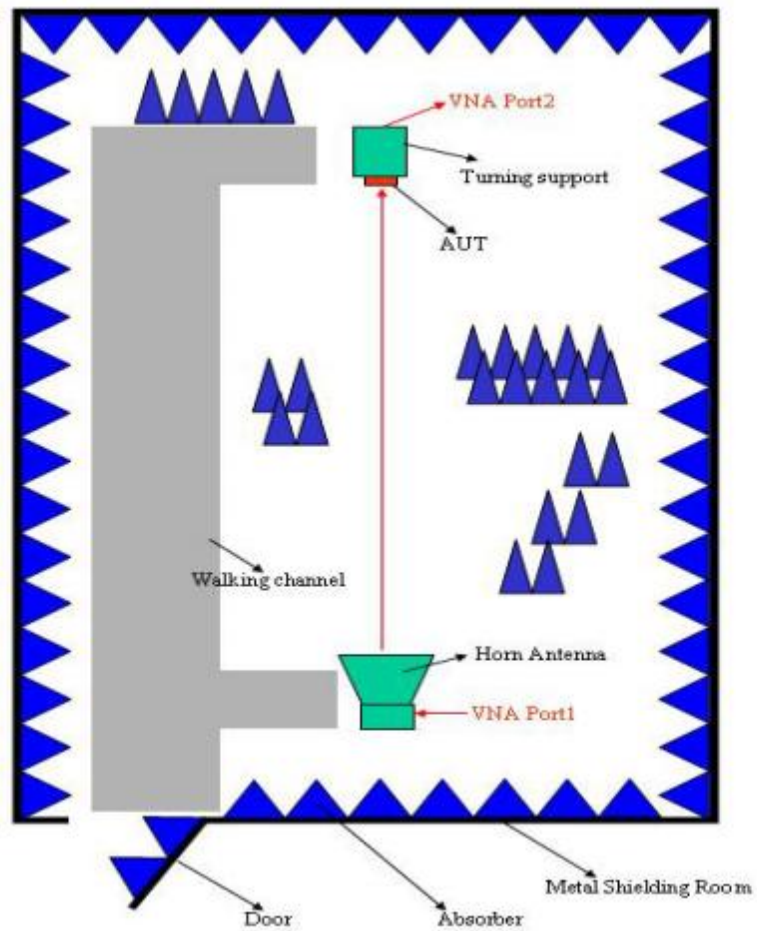
3.2. Efficiency

Frequency(MHZ)	Efficiency(db)	Efficiency(%)	Peak Gain (dbi)
2400	-12.5	5.63	-6.37
2410	-12.6	5.53	-6.47
2420	-12.5	5.69	-6.37
2430	-12.4	5.76	-6.27
2440	-12.2	6.08	-5.87
2450	-11.9	6.47	-5.59
2460	-11.9	6.46	-5.39
2470	-12	6.33	-5.67
2480	-12.4	5.8	-6.27
2490	-12.5	5.68	-6.37
2500	-12.5	5.63	-6.48

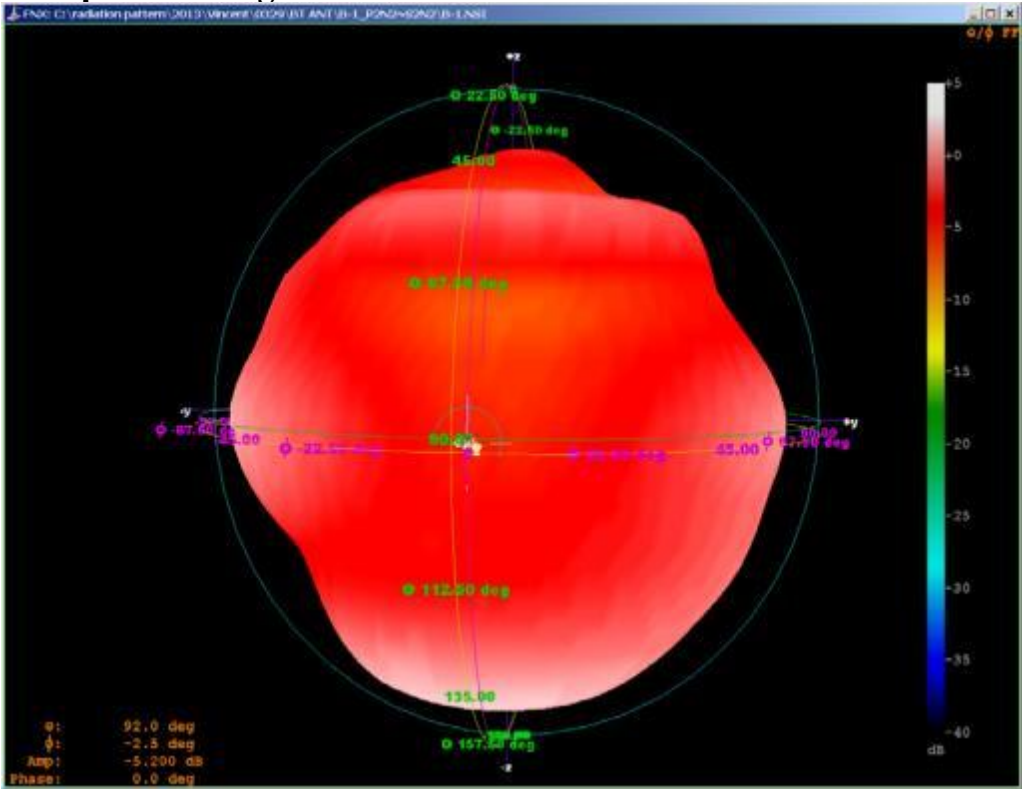
Return Loss



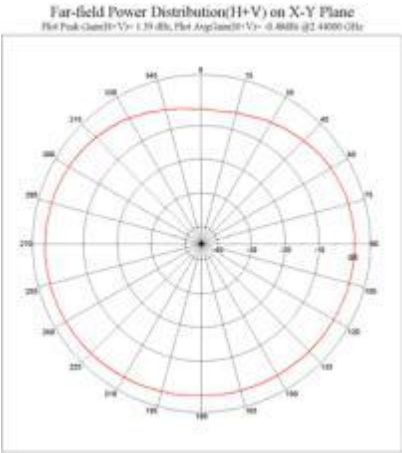
The Environment of Antenna Radiation Pattern



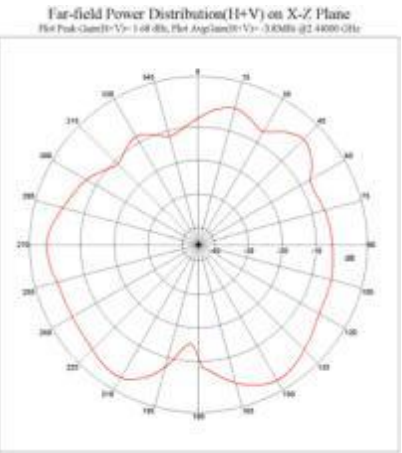
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

