

Antenna Specifications

Summary

Manufacturer	Signal Path International DBA Peachtree Audio
Address	1110 Technology Dr, Unit D, Indian Trail, North Carolina 28079, United States
Model	150X
Antenna type	Dipole Antenna
Frequency	2400 – 2500 MHz
Impedance	50 Ohm
V.S.W. R	1.92:1 Max
Gain (Peak)	1.97 dBi
Polarization	Omni directional
Connector	RP-SMA FEMALE
Antenna Material	TPEE/PC/Cu

1.Test equipment and conditions

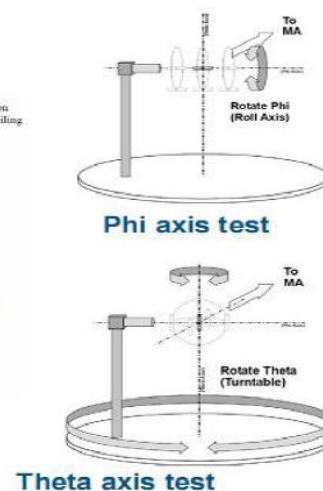
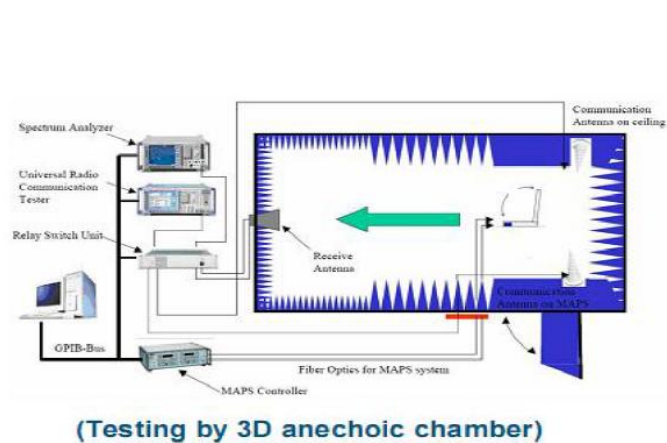
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

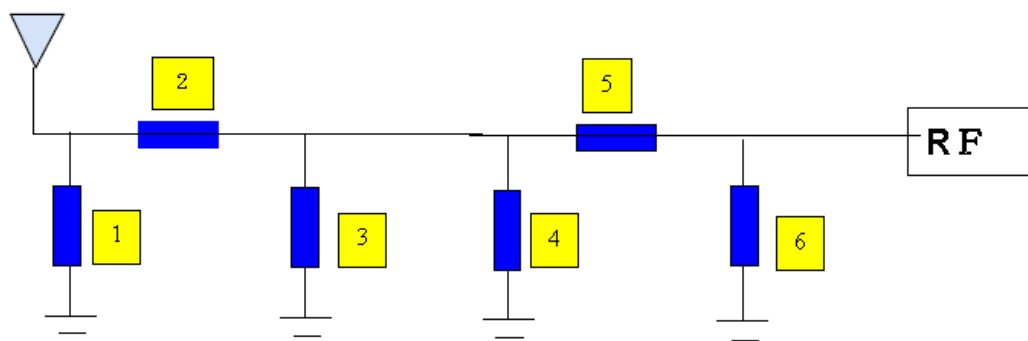
1.2. Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

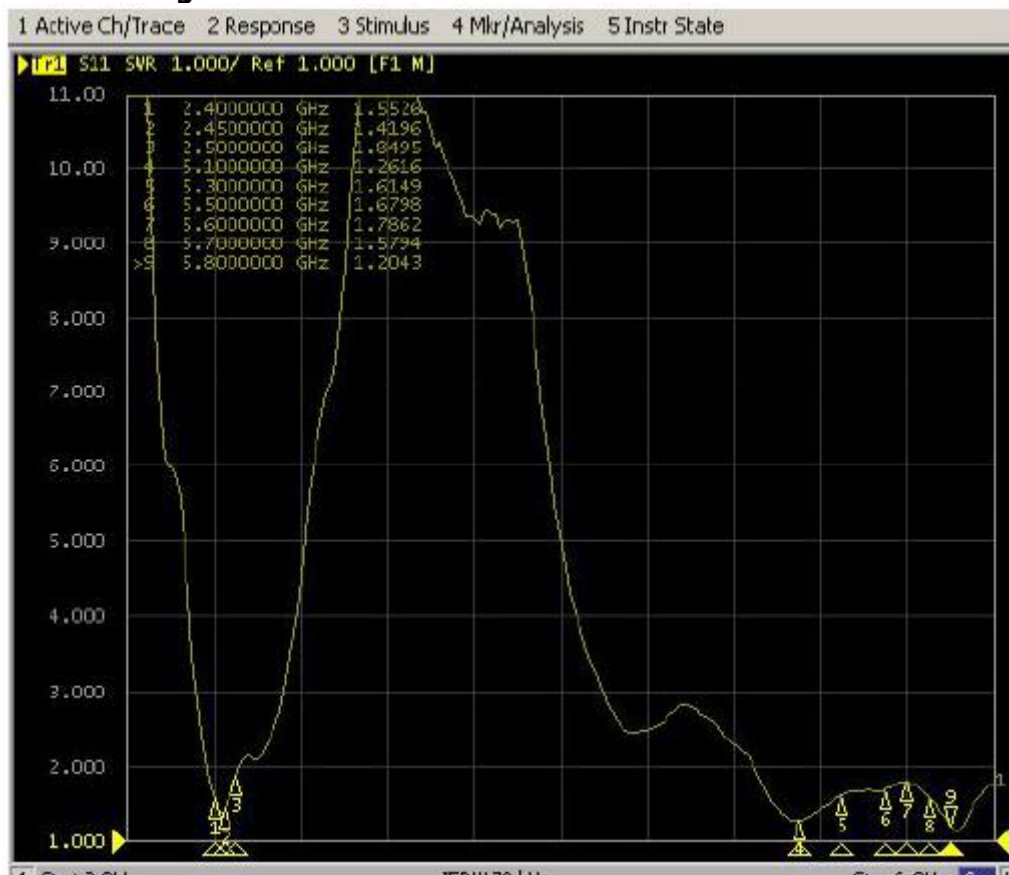


1.4. Matching circuit



2. Test Data

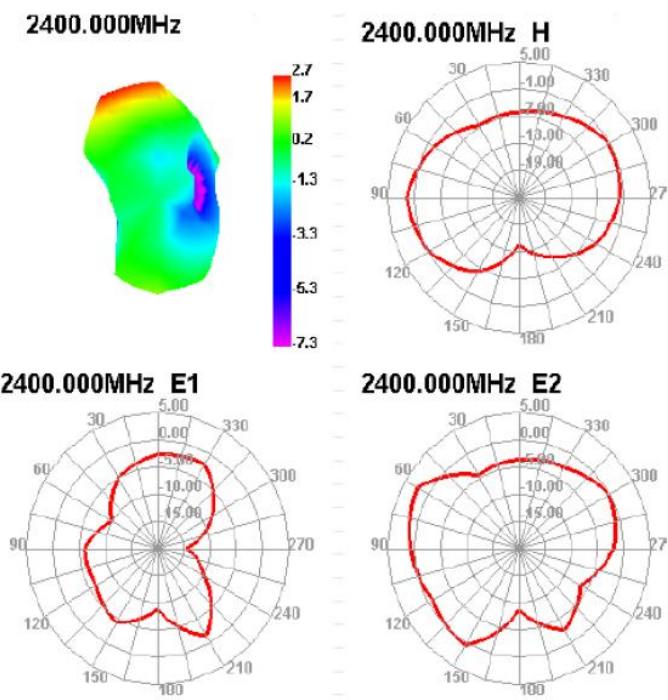
2.1. Standing wave ratio



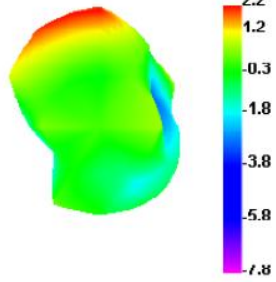
2.2. Efficiency

序号	1	2	3	4	5	6	7	8	9	10	11
频率(MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
增益 (dBi)	1.53	1.02	1.63	1.30	1.53	1.66	1.69	1.85	1.80	1.84	1.97
效率 (%)	44.23	38.85	45.05	41.45	43.06	44.25	44.19	44.99	44.45	45.95	45.56

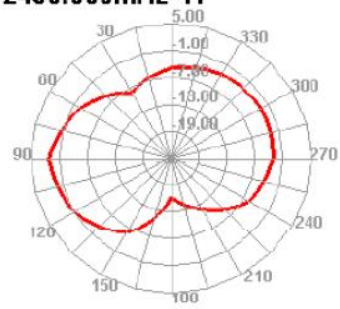
2.3.Directivity diagram



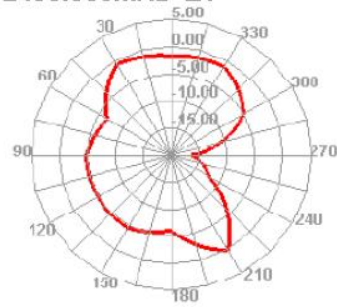
2450.000MHz



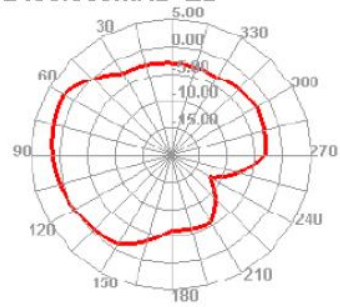
2450.000MHz H



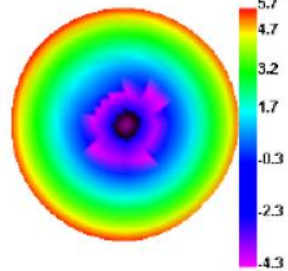
2450.000MHz E1



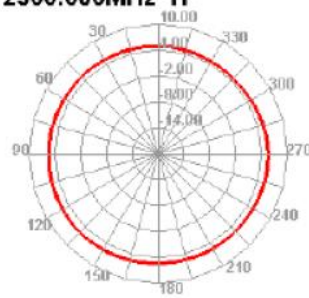
2450.000MHz E2



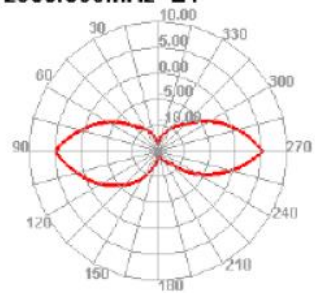
2500.000MHz



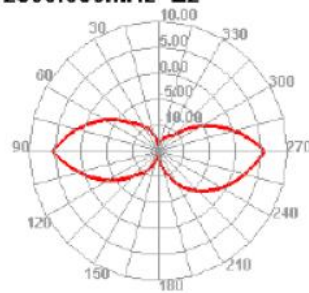
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



3. Antenna drawing

