

MD102 DG Antenna Specification

Antenna Information

Manufacturer name : DEXIN Corporation

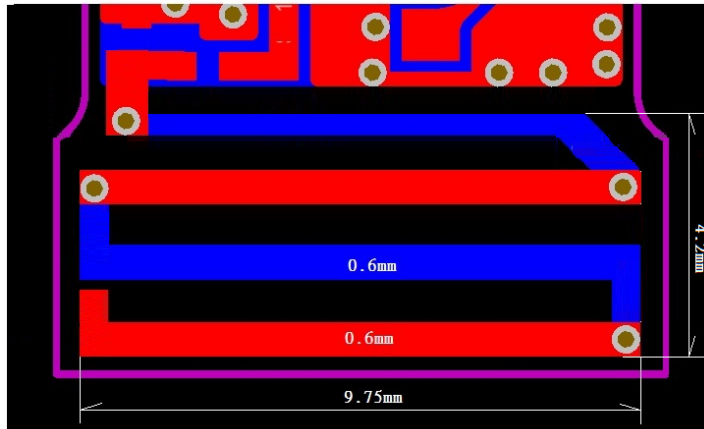
Manufacturer address: 3F., NO. 30-1, Baogao RD., Xindian Dist., New Taipei City 23144, Taiwan (R.O.C)

Telephone: +886 2 8227 1093

Antenna Model No : MD102 -DG

Antenna type : Copper trace antenna

Copper trace antenna dimension:



MD102 DG Copper trace antenna dimension
9.75mm(L)*4.2mm(W) Copper 0.5 OZ

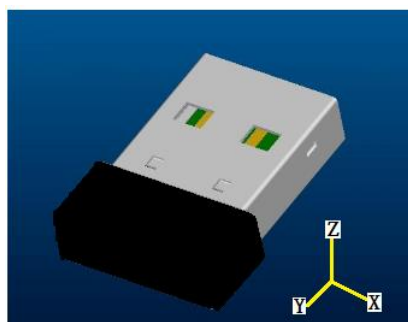
Antenna gain : 1.07dBi

Frequency Range : 2400-2500

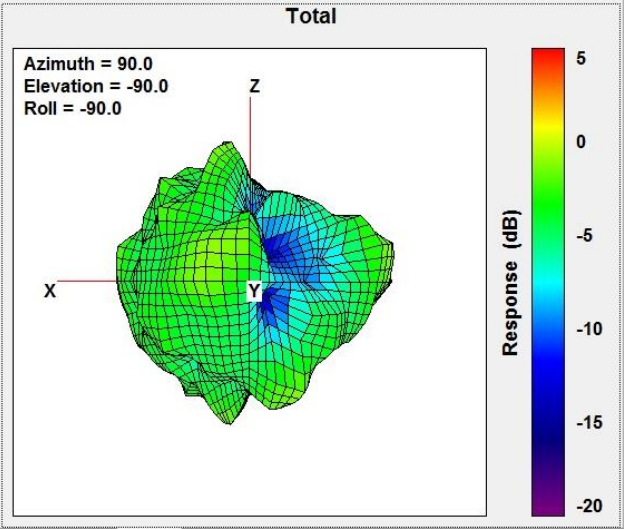
Antenna gain & Efficiency table:

DG				
Frequency (MHz)	2403	2440	2480	
Point Values				
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	
Tot. Rad. Pwr. (dBm)	-4.67	-4.51	-4.30	
Peak EIRP (dBm)	0.50	0.79	1.07	
Directivity (dBi)	5.17	5.30	5.38	
Efficiency (dB)	-4.67	-4.51	-4.30	
Efficiency (%)	34.11	35.40	37.13	
Gain (dBi)	0.50	0.79	1.07	
NHPRP $\pm\pi/4$ (dBm)	-6.04	-5.80	-5.53	
NHPRP $\pm\pi/6$ (dBm)	-7.30	-7.05	-6.77	
NHPRP $\pm\pi/8$ (dBm)	-8.32	-8.05	-7.76	
Upper Hem. PRP (dBm)	-7.88	-7.66	-7.36	
Lower Hem. PRP (dBm)	-7.49	-7.38	-7.27	

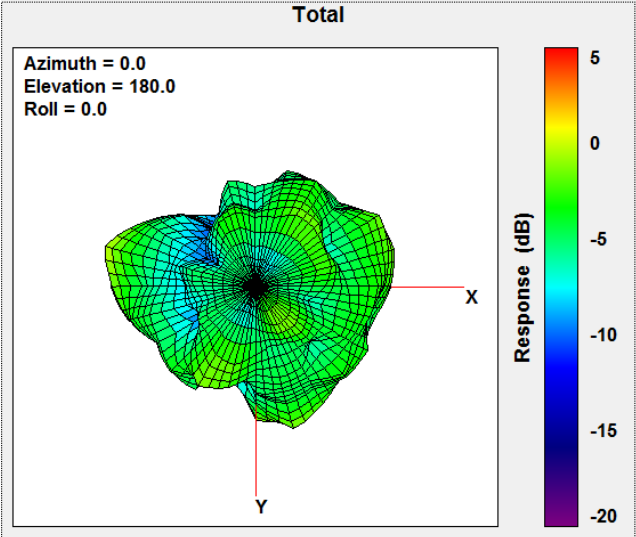
Test pattern condition:



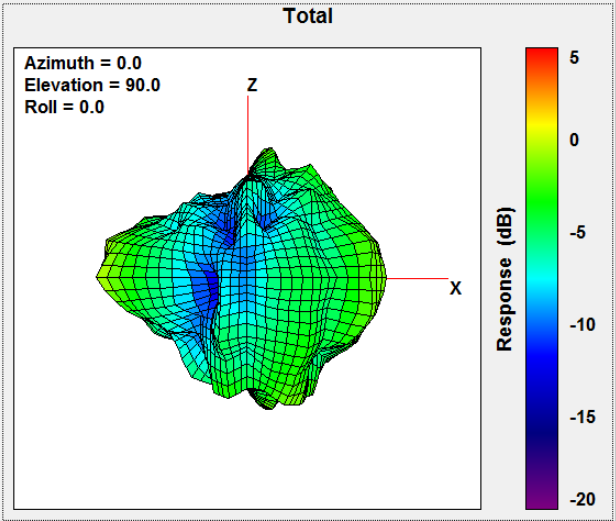
Antenna Pattern: 2403MHz



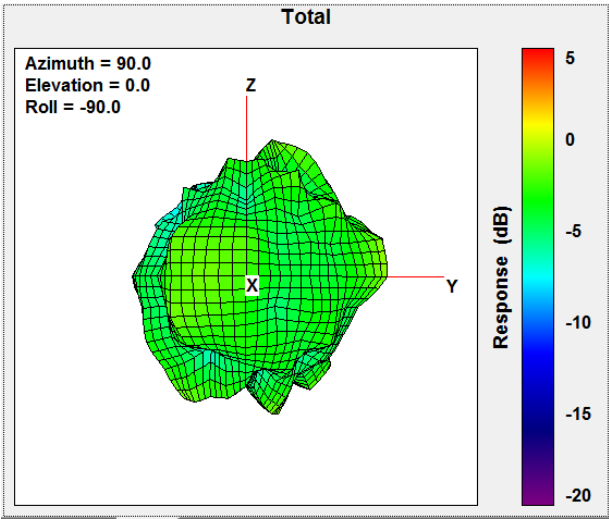
Total Gain Top view 2403MHz



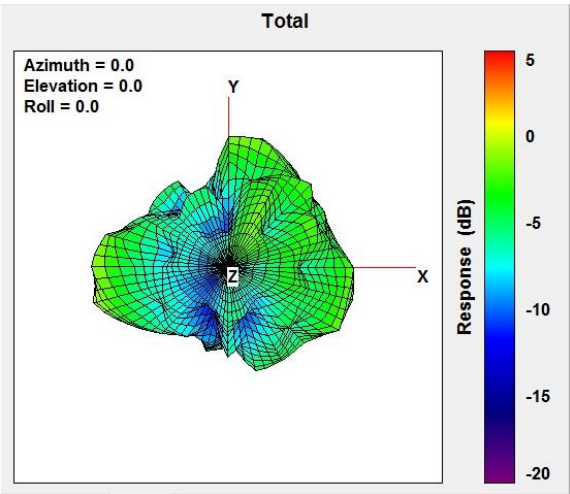
Total Gain Bottom view 2403MHz



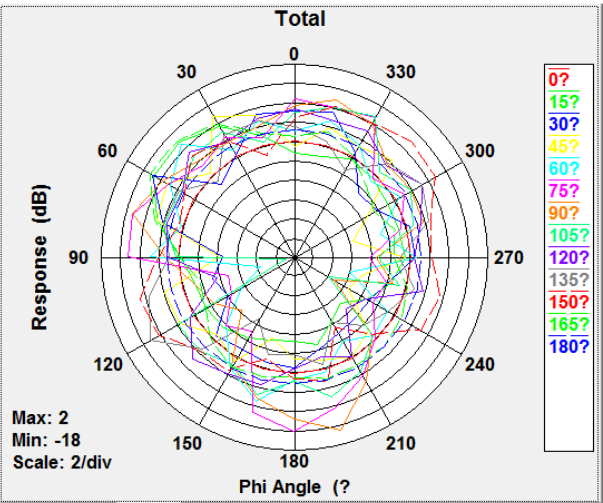
Total Gain Back Face view 2403MHz



Total Left Side view 2403MHz

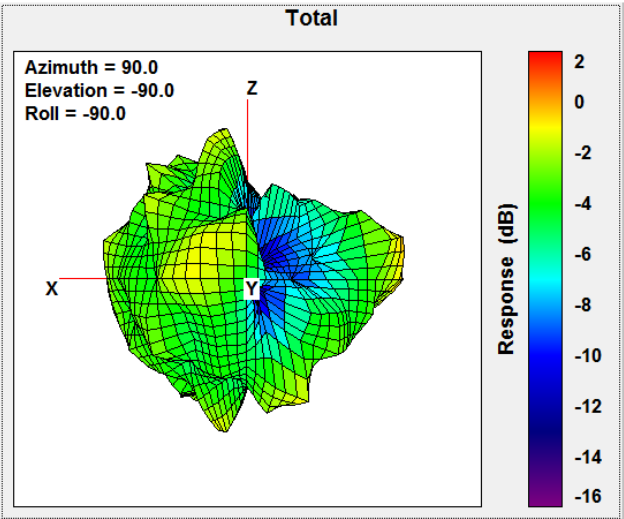


Total Gain Front Face view 2403MHz

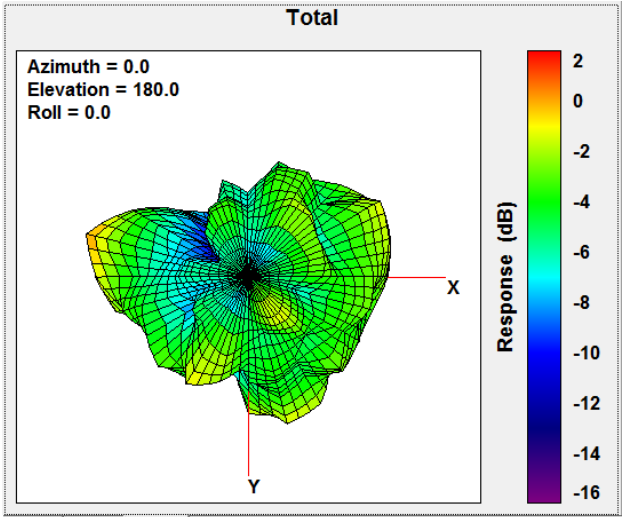


Total Gain Right Side view 2403MHz

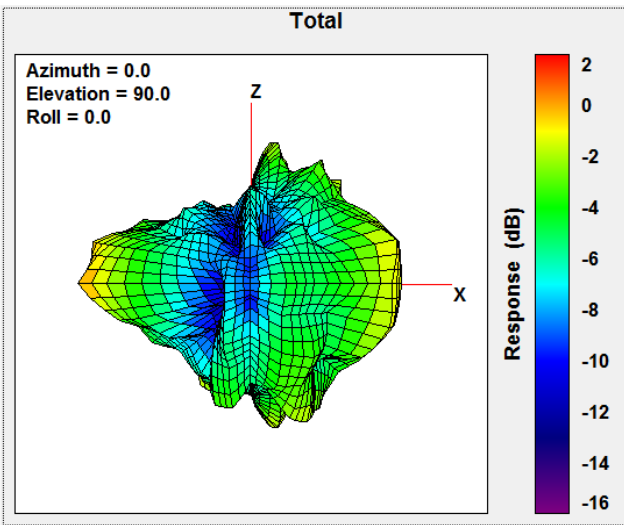
Antenna Pattern: 2440MHz



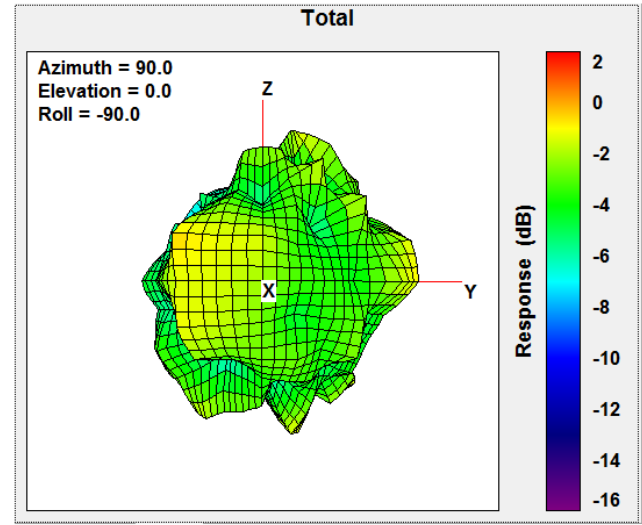
Total Gain Top view 2440MHz



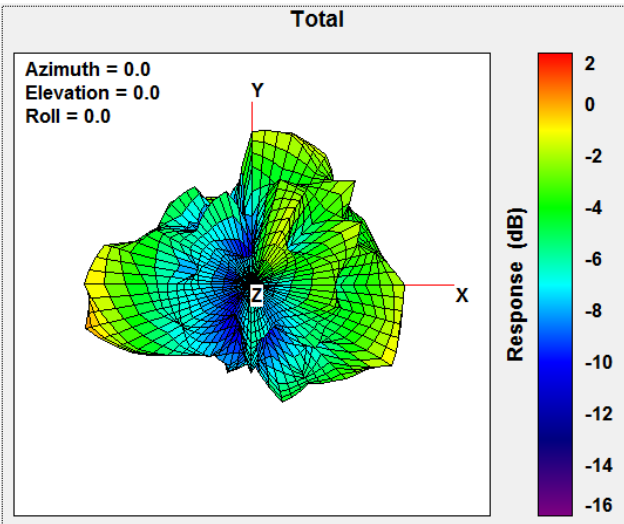
Total Gain Bottom view 2440MHz



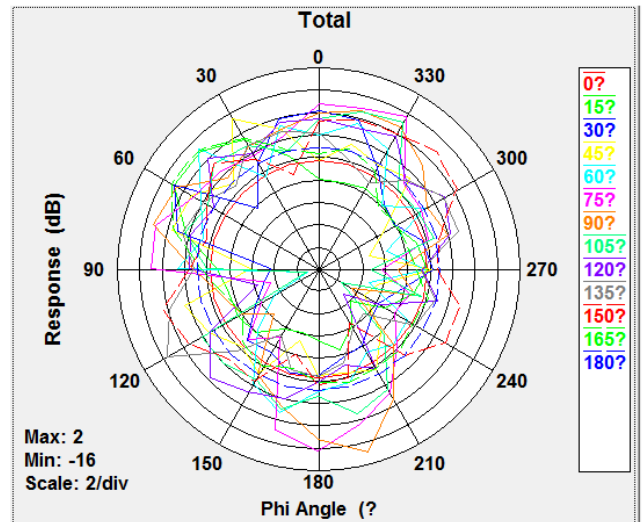
Total Gain Back Face view 2440MHz



Total Gain Left Side view 2440MHz

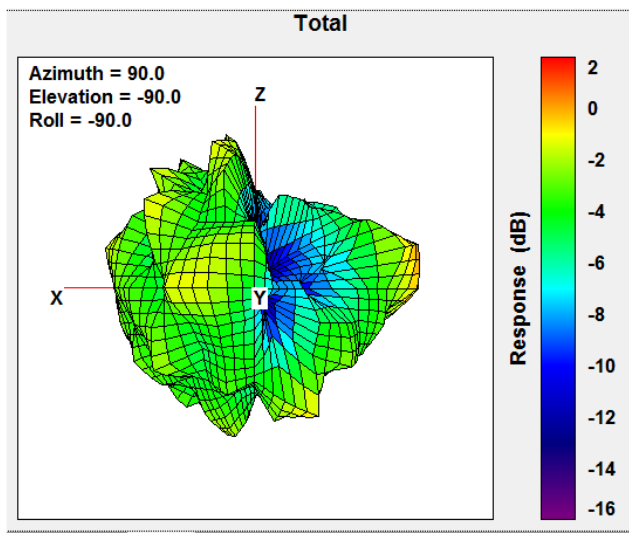


Total Gain Front Face view 2440MHz

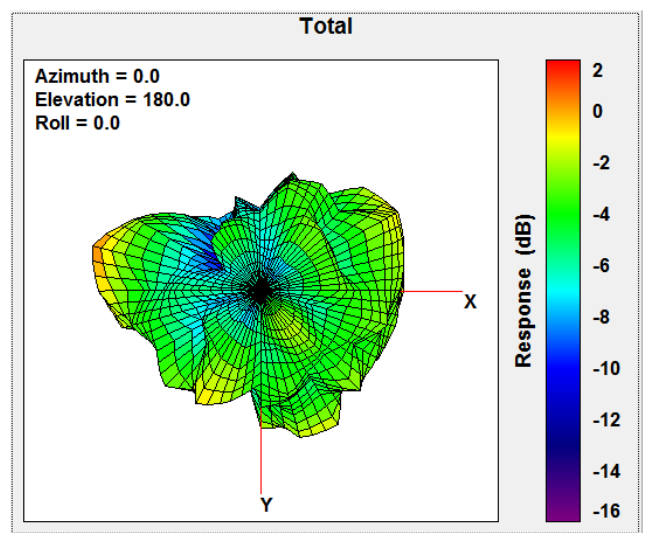


Total Gain Right Side view 2440MHz

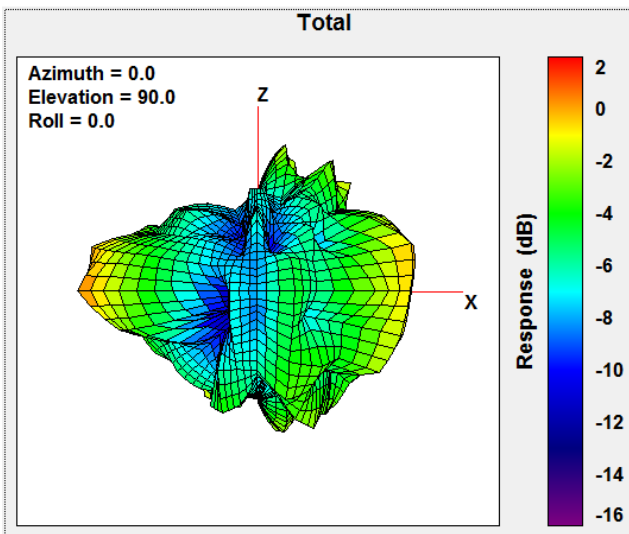
Antenna Pattern: 2480MHz



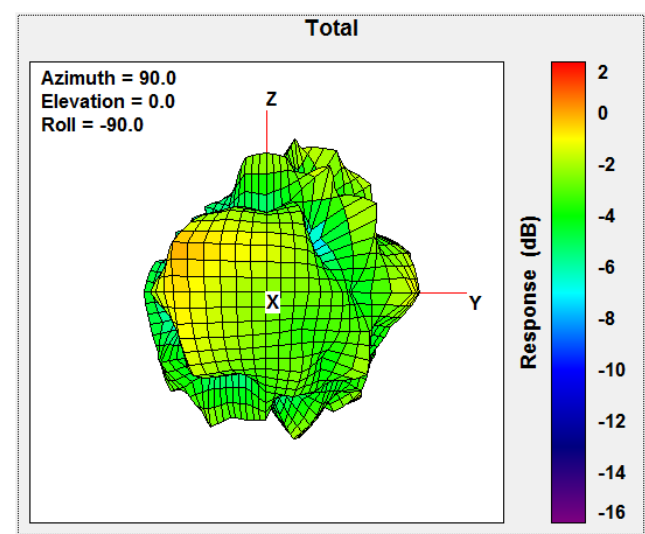
Total Gain Top view 2480MHz



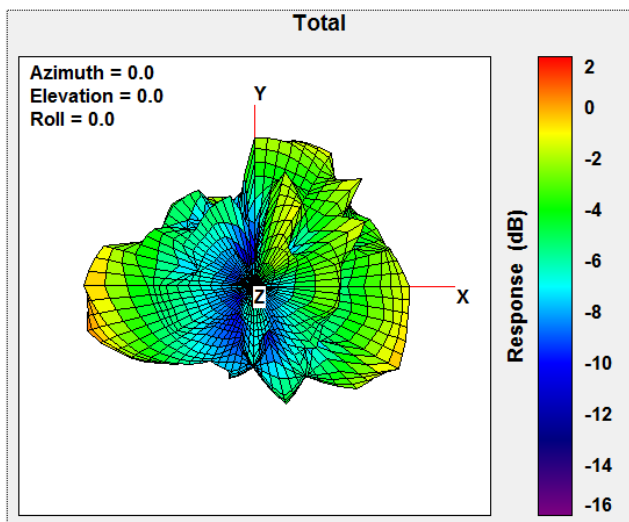
Total Gain Bottom view 2480MHz



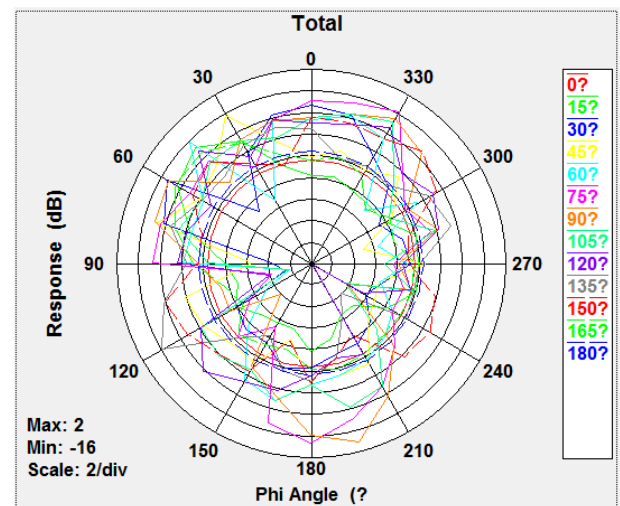
Total Gain Back Face view 2480MHz



Total Gain Left Side view 2480MHz



Total Gain Front Face view 2480MHz



Total Gain Right Side view 2480MHz