

MD102 Mouse Antenna Specification

Antenna Information

Manufacturer name : DEXIN Corporation

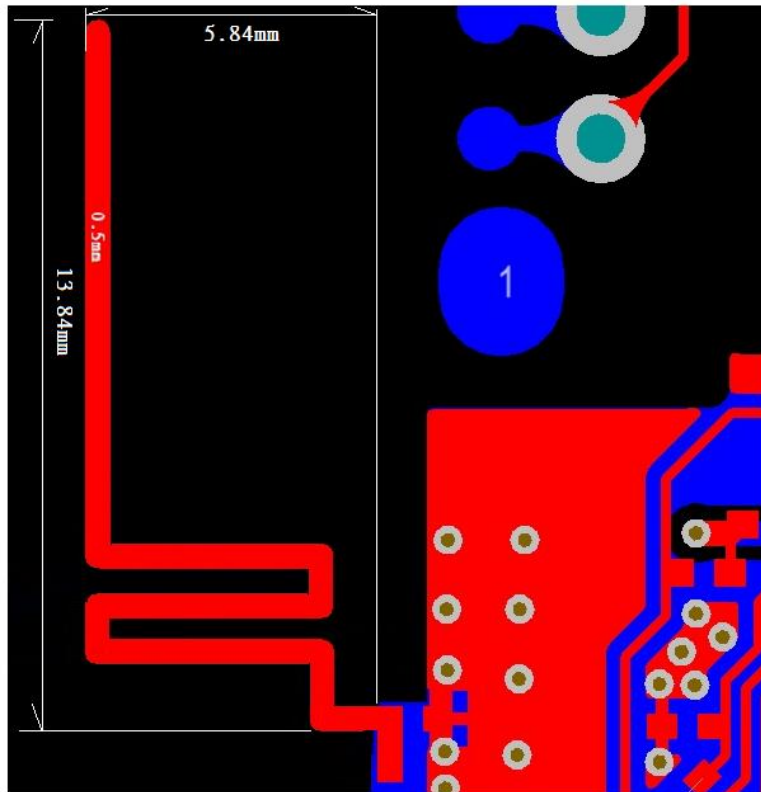
Manufacturer address: 3F., NO. 30-1, Baogao RD., Xindian Dist., New Taipei City 23144, Taiwan (R.O.C)

Telephone: +886 2 8227 1093

Antenna Model No : MD102 -Mouse

Antenna type : Copper trace antenna

Copper trace antenna dimension



MD102 Copper trace antenna dimension
13.84mm(L)*5.84mm(W) Copper 0.5OZ

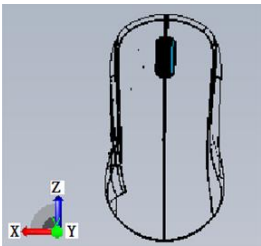
Antenna gain : 1.91dBi

Frequency Range : 2400-2500

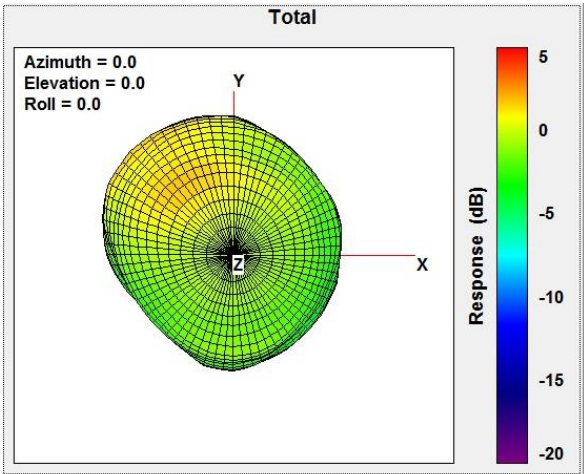
Antenna gain & Efficiency table:

Mouse 2.4G										
Frequency (MHz)	2403	2410	2420	2430	2440	2450	2460	2470	2480	
Point Values										
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tot. Rad. Pwr. (dBm)	-2.41	-2.43	-2.48	-2.50	-2.48	-2.47	-2.41	-2.35	-2.36	
Peak EIRP (dBm)	1.84	1.81	1.76	1.71	1.72	1.77	1.78	1.91	1.91	
Directivity (dBi)	4.25	4.23	4.23	4.21	4.20	4.24	4.19	4.26	4.27	
Efficiency (dB)	-2.41	-2.43	-2.48	-2.50	-2.48	-2.47	-2.41	-2.35	-2.36	
Efficiency (%)	57.44	57.19	56.52	56.29	56.49	56.58	57.38	58.16	58.02	
Gain (dBi)	1.84	1.81	1.76	1.71	1.72	1.77	1.78	1.91	1.91	
NHPRP ±Pi/4 (dBm)	-3.98	-4.00	-4.05	-4.08	-4.06	-4.04	-3.99	-3.94	-3.95	
NHPRP ±Pi/6 (dBm)	-5.36	-5.38	-5.44	-5.48	-5.45	-5.43	-5.37	-5.32	-5.35	
NHPRP ±Pi/8 (dBm)	-6.42	-6.44	-6.50	-6.54	-6.51	-6.49	-6.43	-6.37	-6.41	
Upper Hem. PRP (dBm)	-4.28	-4.28	-4.31	-4.31	-4.29	-4.29	-4.23	-4.15	-4.15	
Lower Hem. PRP (dBm)	-6.97	-7.01	-7.12	-7.16	-7.15	-7.13	-7.08	-7.05	-7.09	

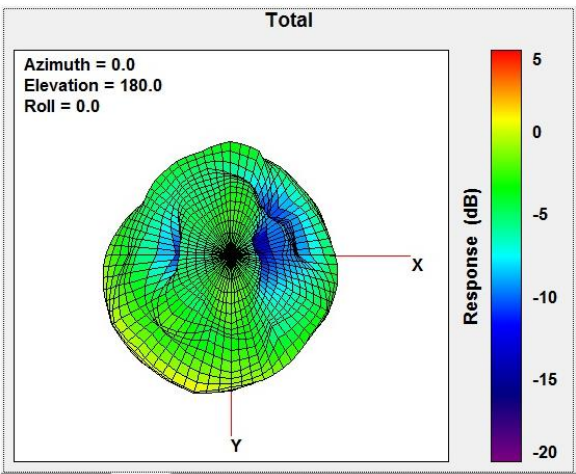
Test pattern condition:



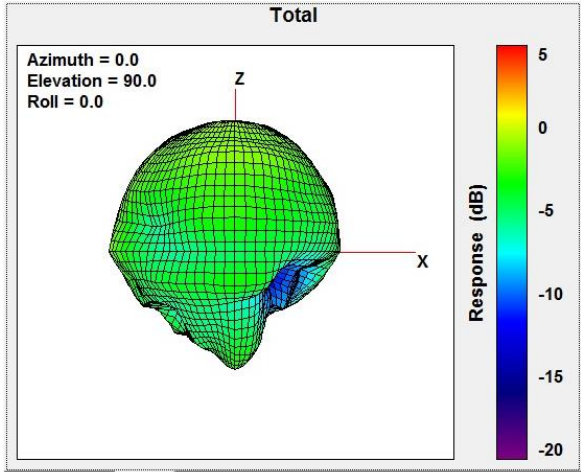
Antenna Pattern: 2403MHz



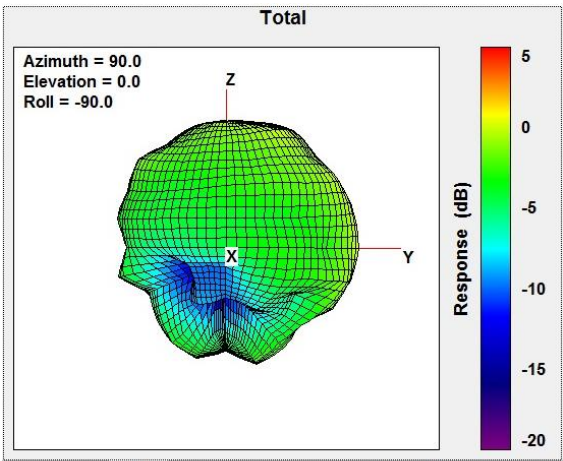
Total Gain Top view 2403MHz



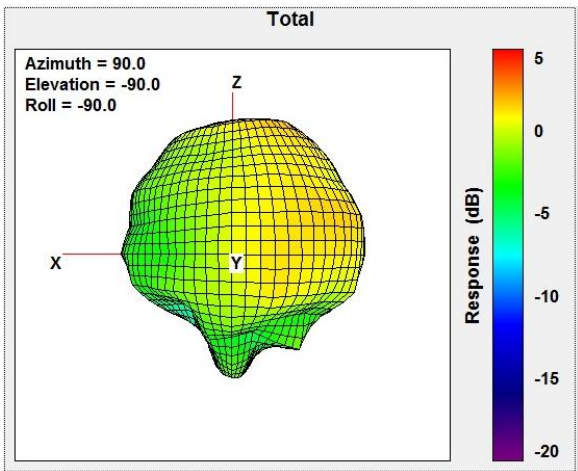
Total Gain Bottom view 2403MHz



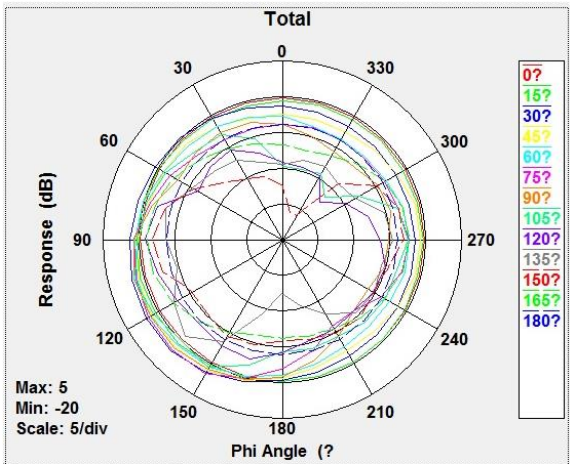
Total Gain Back Face view 2403MHz



Total Gain Left Side view 2403MHz

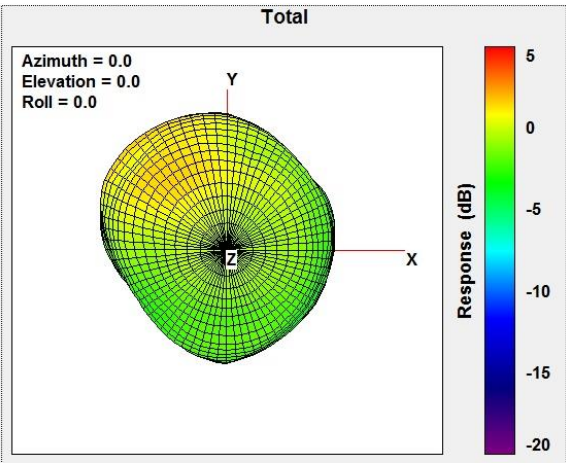


Total Gain Front Face view 2403MHz

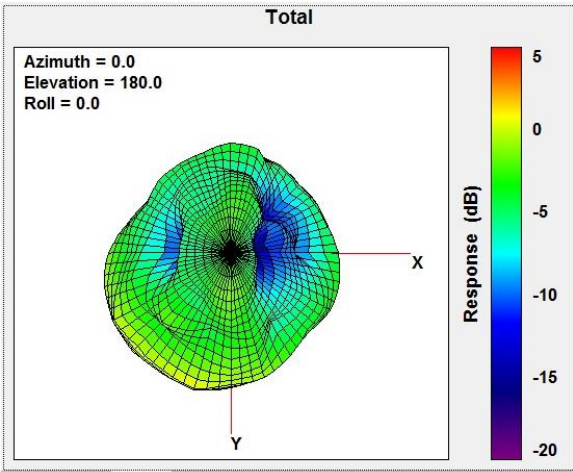


Total Gain Right Side view 2403MHz

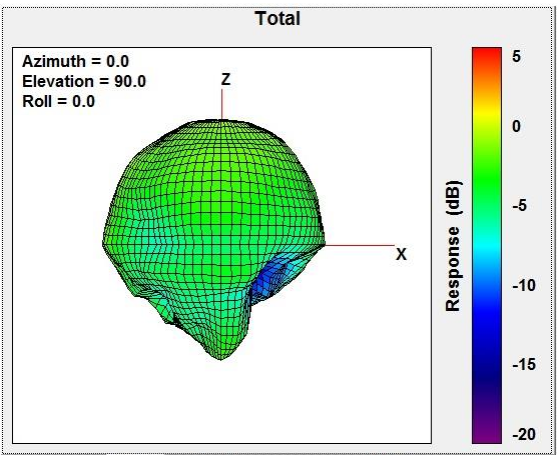
Antenna Pattern: 2440MHz



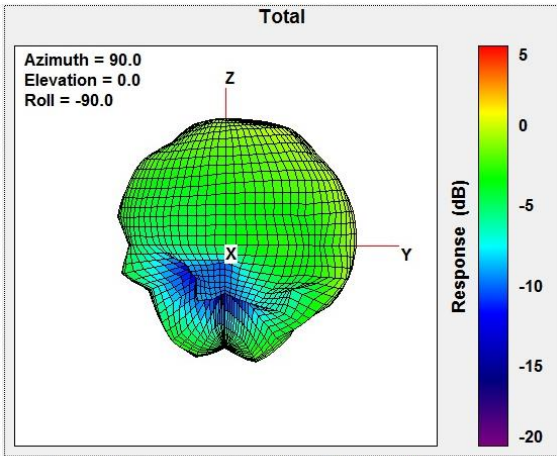
Total Gain Top view 2440MHz



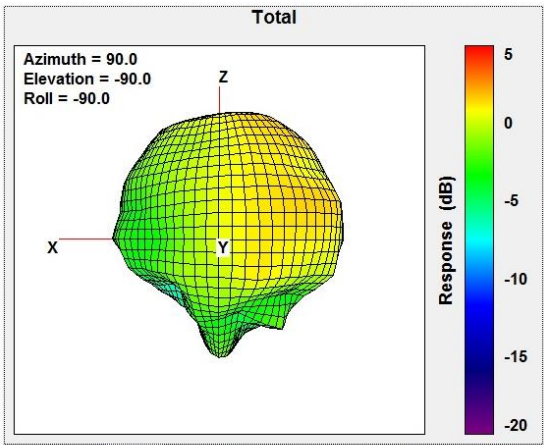
Total Gain Bottom view 2440MHz



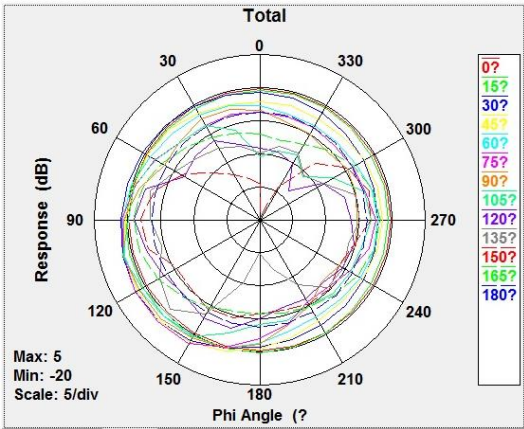
Total Gain Back Face view 2440MHz



Total Gain Left Side view 2440MHz

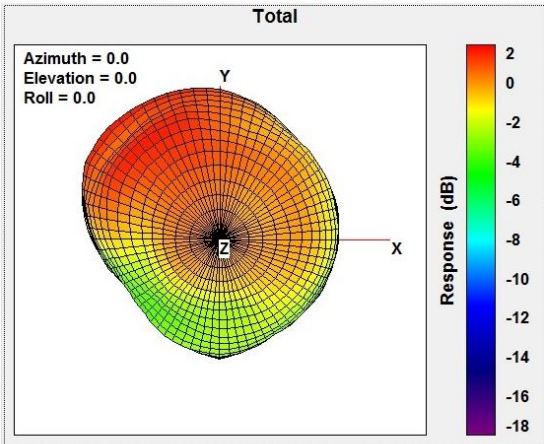


Total Gain Front Face view 2440MHz

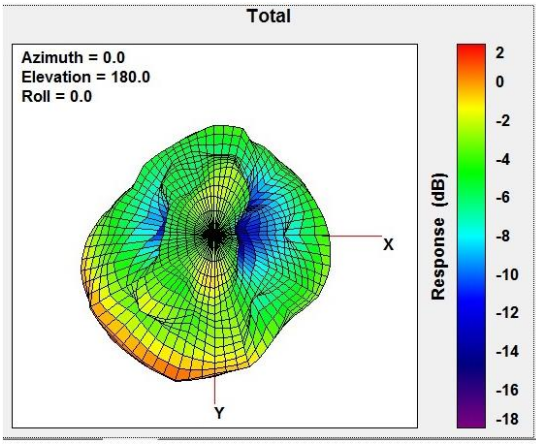


Total Gain Right Side view 2440MHz

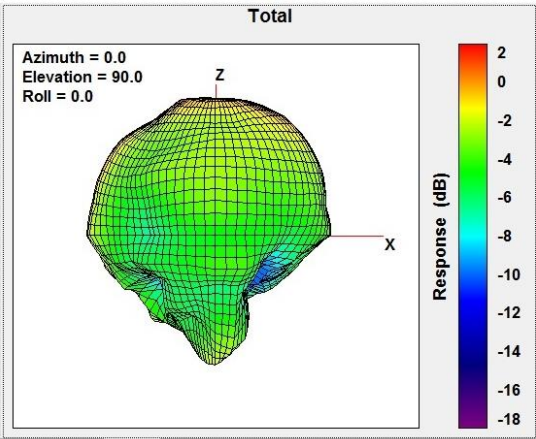
Antenna Pattern: 2480MHz



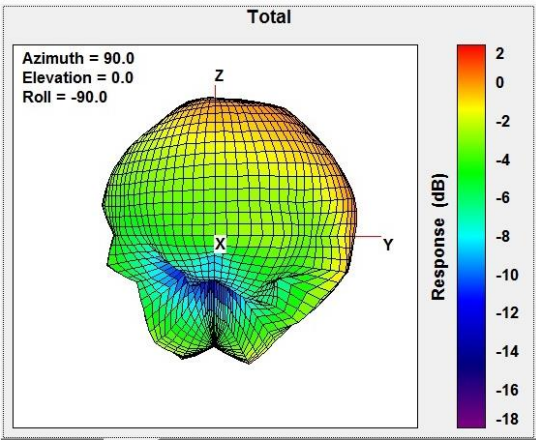
Total Gain Top Side view 2480MHz



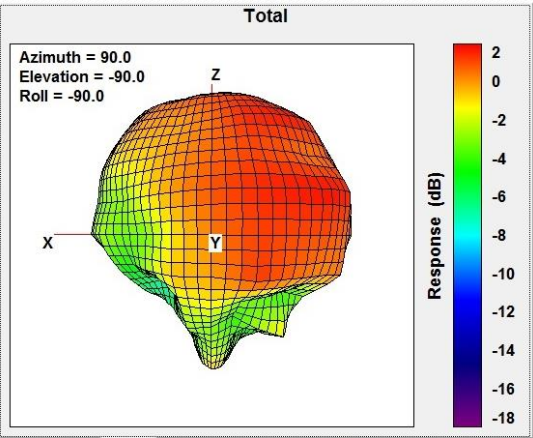
Total Gain Bottom view 2480MHz



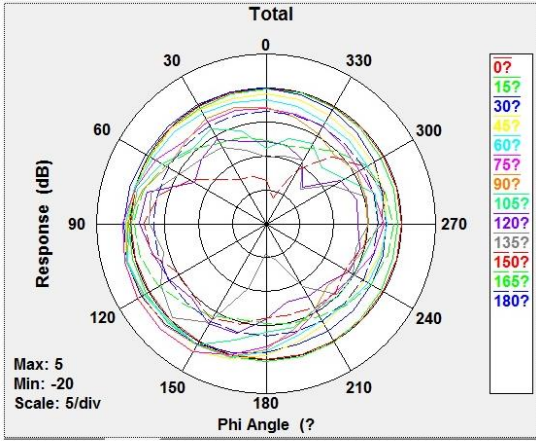
Total Gain Back Face view 2480MHz



Total Gain Left Side view 2480MHz



Total Gain Front Side view 2480MHz



Total Right Side view 2480 MHz