

MWP532/MWP533 Mouse Antenna Specification

Antenna Information:

Manufacturer name : DEXIN Corporation

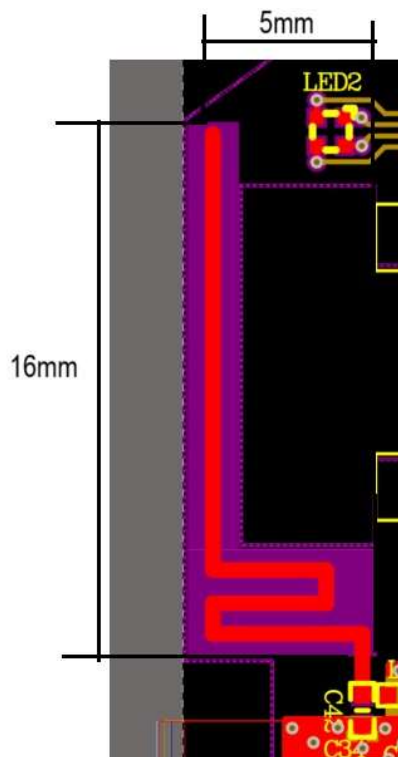
Manufacturer address: 3F., NO. 30-1, Baogao RD., Xindian Dist., New Taipei City 23144, Taiwan (R.O.C)

Telephone: +886 2 8227 1093

Antenna Model No : MWP552/MWP553 -Mouse

Antenna type : Copper trace antenna

Copper trace antenna dimension



MWP552/553 Copper trace antenna dimension

16.0mm(L)*5.0mm(W) Copper 1.0OZ

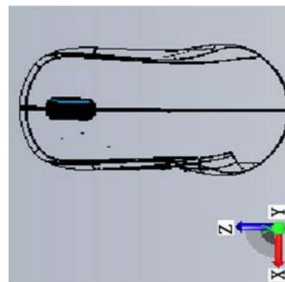
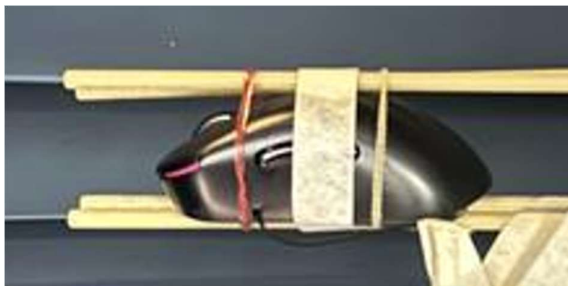
Antenna gain : 4.00 dBi

Frequency Range : 2400-2500 (MHz)

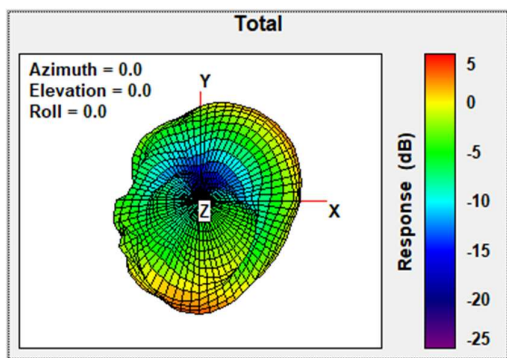
Antenna gain & Efficiency table:

MWP552-Mouse			
Frequency (MHz)	2403	2442	2480
Point Values			
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-1.55	-1.41	-1.78
Peak EIRP (dBm)	3.74	4.00	3.77
Directivity (dBi)	5.29	5.41	5.55
Efficiency (dB)	-1.55	-1.41	-1.78
Efficiency (%)	69.97	72.34	66.44
Gain (dBi)	3.74	4.00	3.77
NHPRP $\pm\pi/4$ (dBm)	-2.52	-2.38	-2.71
NHPRP $\pm\pi/6$ (dBm)	-3.75	-3.57	-3.91
NHPRP $\pm\pi/8$ (dBm)	-4.75	-4.56	-4.93
Upper Hem. PRP (dBm)	-6.08	-5.87	-6.14
Lower Hem. PRP (dBm)	-3.44	-3.33	-3.76

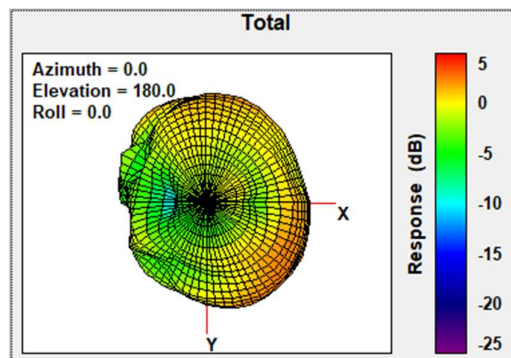
Test pattern condition:



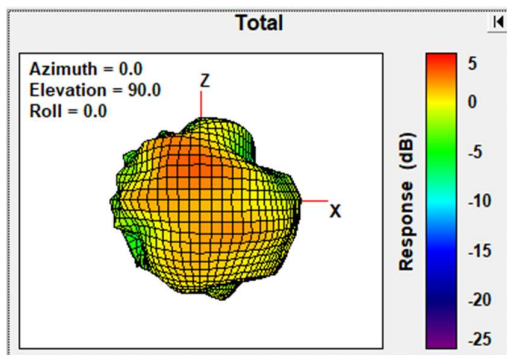
Antenna Pattern: 2403MHz



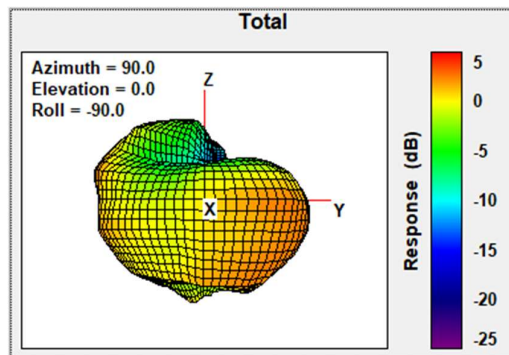
Total Gain Top view 2403MHz



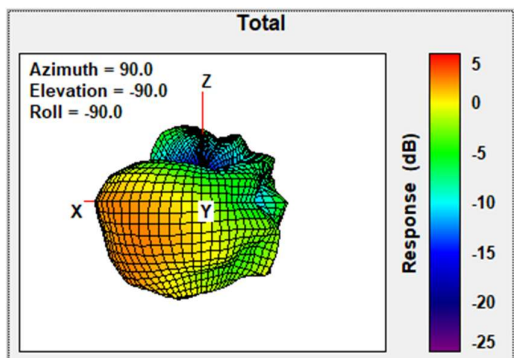
Total Gain Bottom view 2403MHz



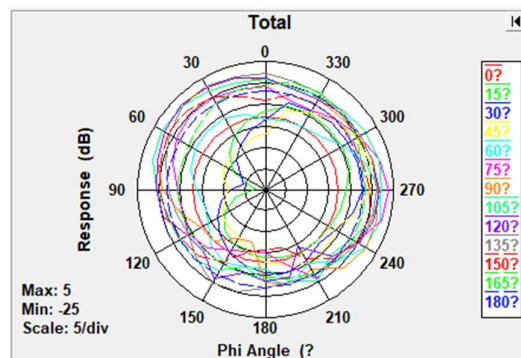
Total Gain Back Face view 2403MHz



Total Gain Left Side view 2403MHz

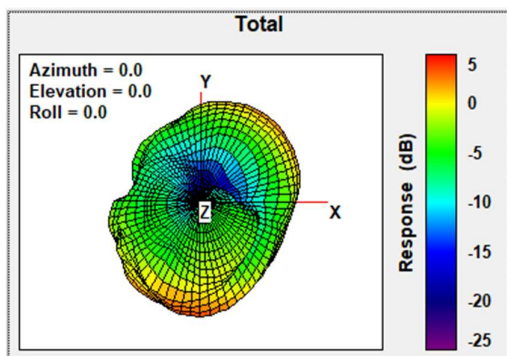


Total Gain Front Face view 2403MHz

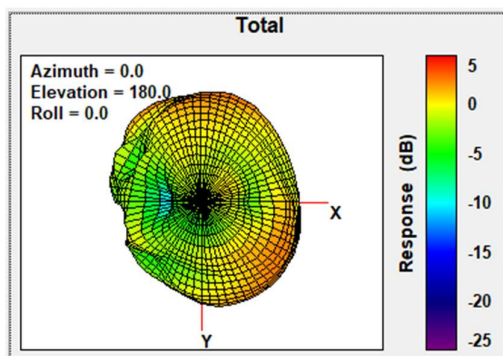


Total Gain Right Side view 2403MHz

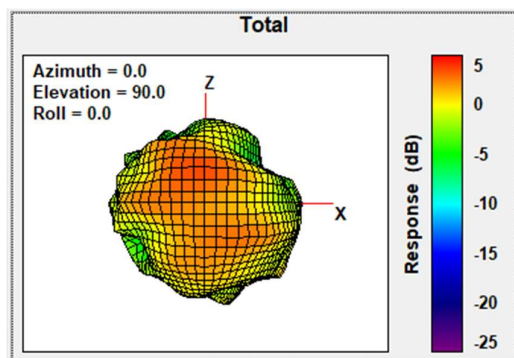
Antenna Pattern: 2442MHz



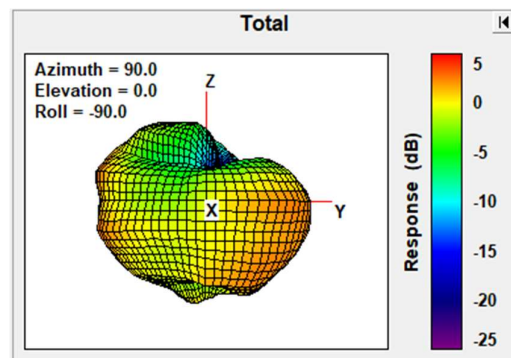
Total Gain Top view 2442MHz



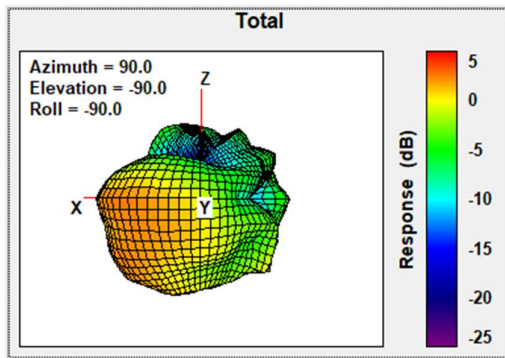
Total Gain Bottom view 2442MHz



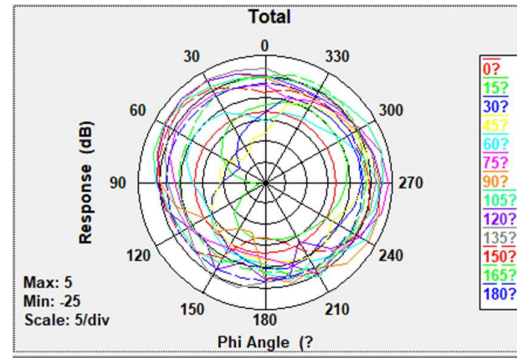
Total Gain Back Face view 2442MHz



Total Gain Left Side view 2442MHz

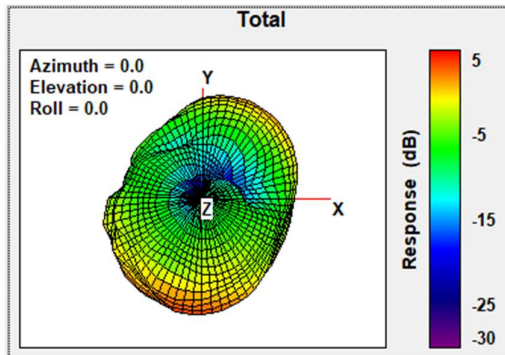


Total Gain Front Face view 2442MHz

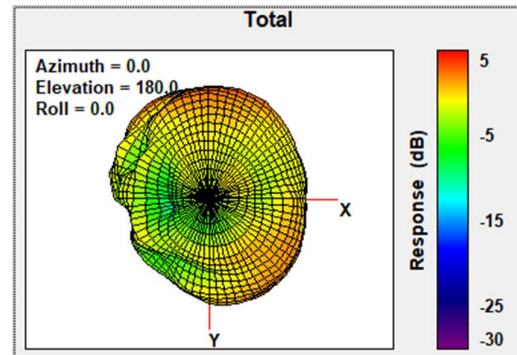


Total Gain Right Side view 2442MHz

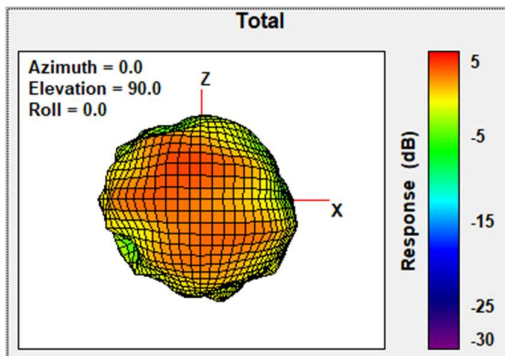
Antenna Pattern: 2480MHz



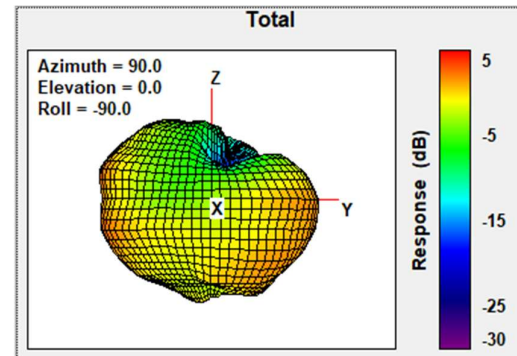
Total Gain Top view 2480MHz



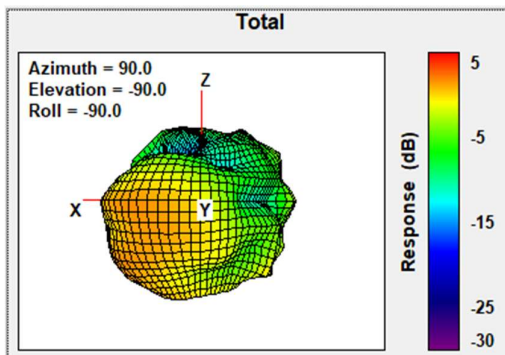
Total Gain Bottom view 2480MHz



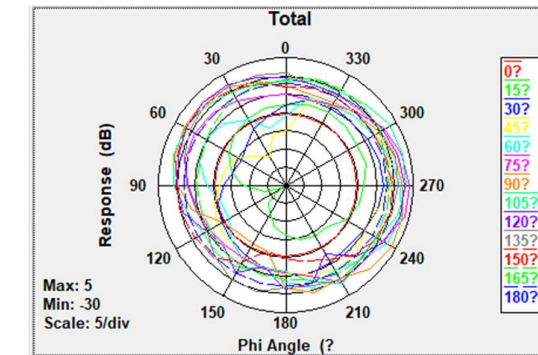
Total Gain Back Face view 2480MHz



Total Gain Left Side view 2480MHz



Total Gain Front Face view 2480MHz



Total Gain Right Side view 2480MHz