

RX100 Dongle Antenna Specification

Antenna Information:

Manufacturer name : DEXIN Corporation

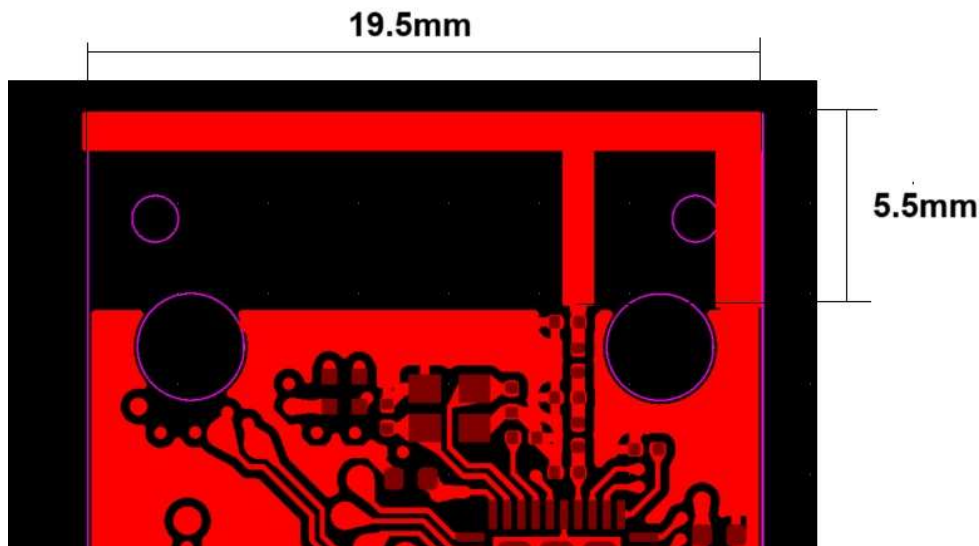
Manufacturer address: 3F., NO. 30-1, Baogao RD., Xindian Dist., New Taipei City 23144, Taiwan (R.O.C)

Telephone: +886 2 8227 1093

Antenna Model No : RX100 -Dongle

Antenna type : Copper trace antenna

Copper trace antenna dimension



RX100 Dongle Copper trace antenna dimension

19.5mm(L)*5.5mm(W) Copper 1.0OZ

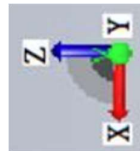
Antenna gain : 2.13 dBi

Frequency Range : 2400-2500 (MHz)

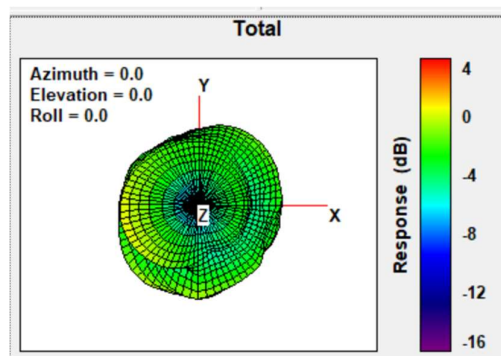
Antenna gain & Efficiency table:

Dongle with USB Cable			
Frequency (MHz)	2402	2440	2480
Point Values			
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-2.52	-2.18	-2.66
Peak EIRP (dBm)	2.13	1.82	0.96
Directivity (dBi)	4.64	4.00	3.62
Efficiency (dB)	-2.52	-2.18	-2.66
Efficiency (%)	56.02	60.56	54.26
Gain (dBi)	2.13	1.82	0.96
NHPRP $\pm\pi/4$ (dBm)	-4.53	-3.98	-4.35
NHPRP $\pm\pi/6$ (dBm)	-6.42	-5.68	-6.03
NHPRP $\pm\pi/8$ (dBm)	-7.45	-6.64	-7.03
Upper Hem. PRP (dBm)	-5.66	-4.97	-5.23
Lower Hem. PRP (dBm)	-5.40	-5.42	-6.15

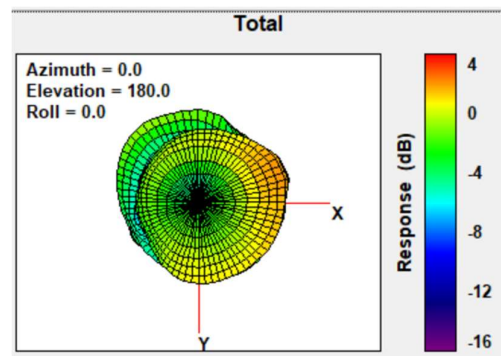
Test pattern condition:



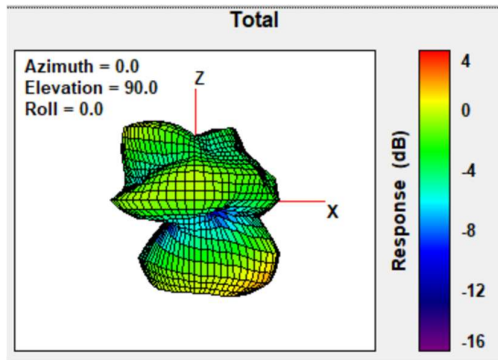
Antenna Pattern: 2402MHz



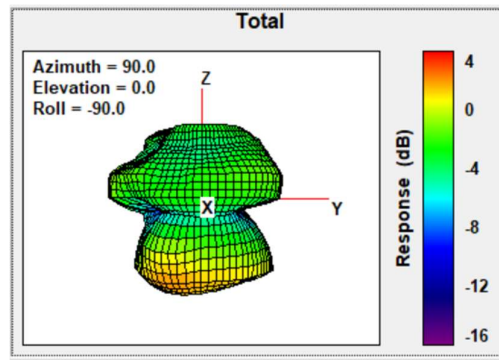
Total Gain Top view 2402MHz



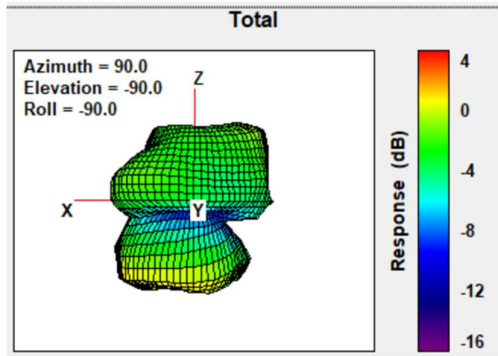
Total Gain Bottom view 2402MHz



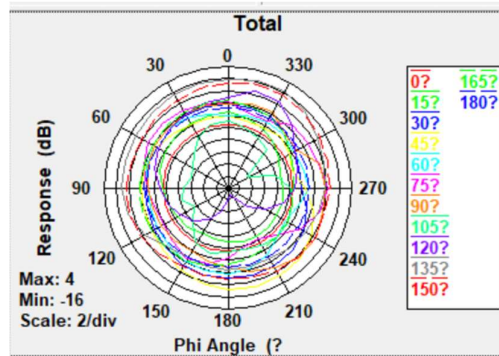
Total Gain Back Face view 2402MHz



Total Gain Left Side view 2402MHz

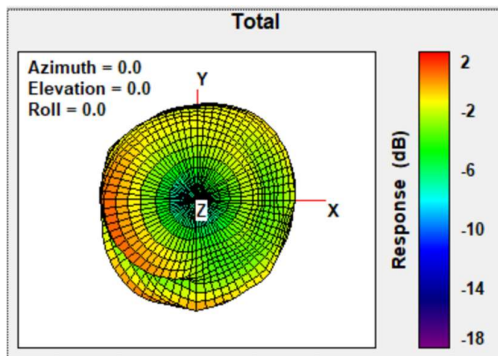


Total Gain Front Face view 2402MHz

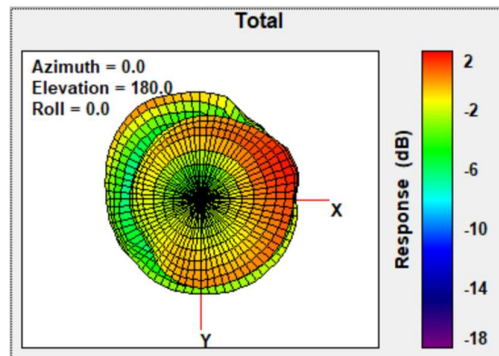


Total Gain Right Side view 2402MHz

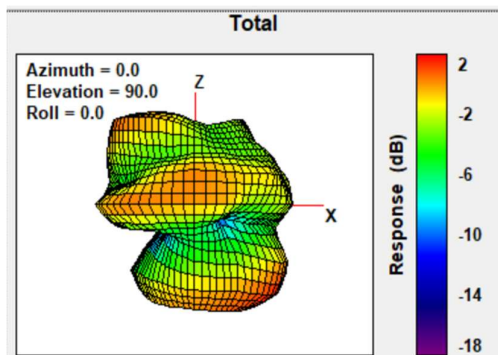
Antenna Pattern: 2440MHz



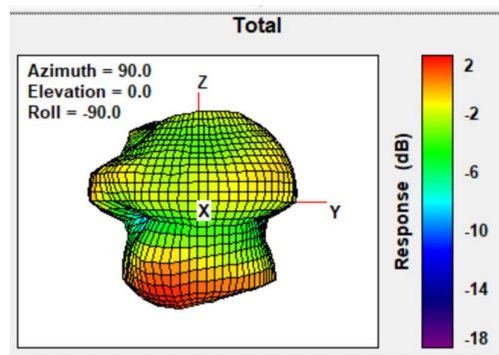
Total Gain Top view 2440MHz



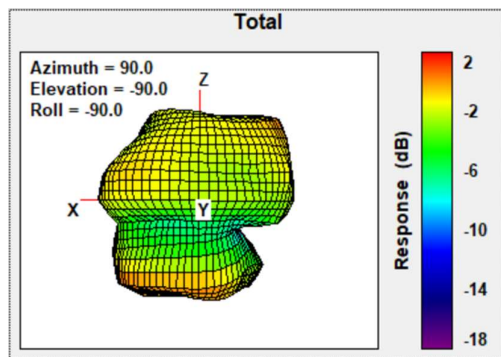
Total Gain Bottom view 2440MHz



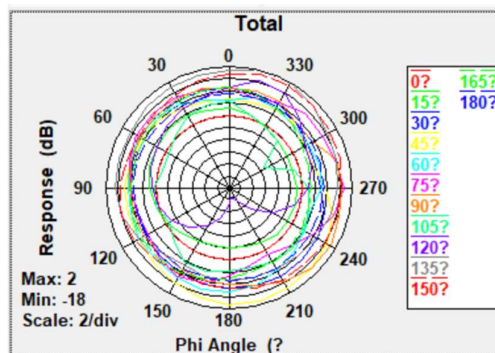
Total Gain Back Face view 2440MHz



Total Gain Left Side view 2440MHz

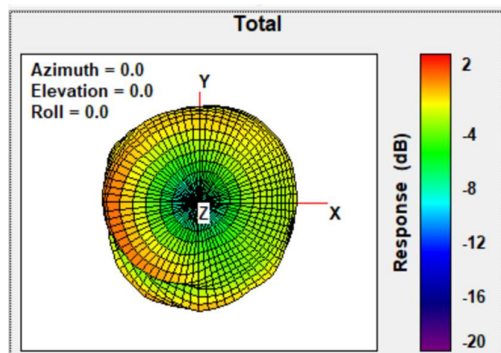


Total Gain Front Face view 2440MHz

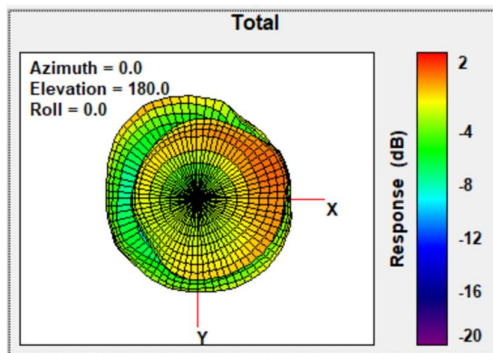


Total Gain Right Side view 2440MHz

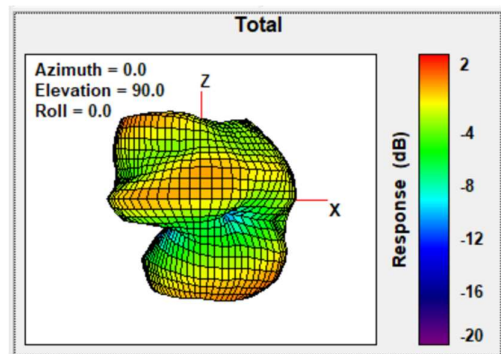
Antenna Pattern: 2480MHz



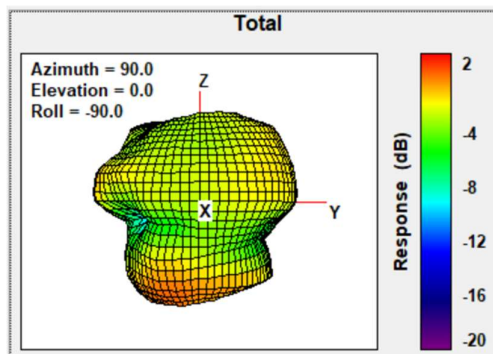
Total Gain Top view 2480MHz



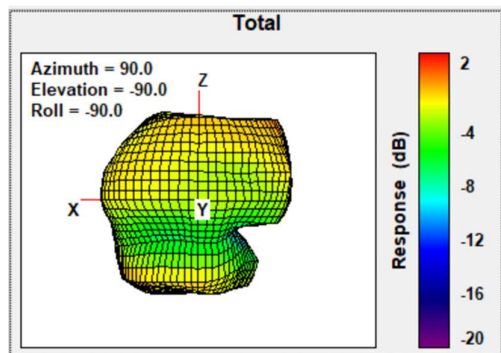
Total Gain Bottom view 2480MHz



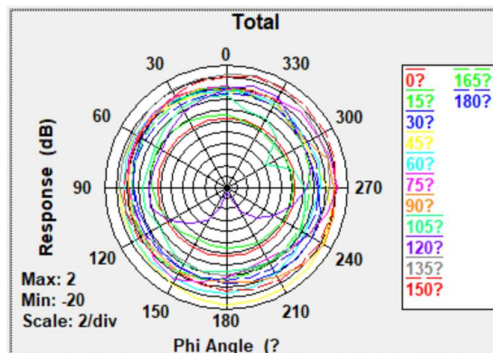
Total Gain Back Face view 2480MHz



Total Gain Left Side view 2480MHz



Total Gain Front Face view 2480MHz



Total Gain Right Side view 2480MHz