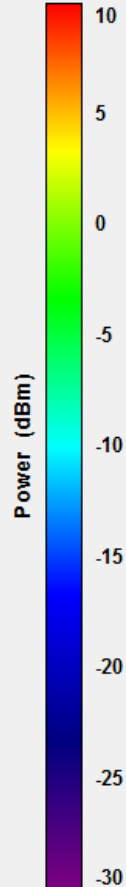
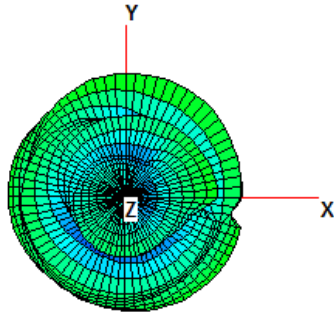


Wireless Nano Dongle Antenna Pattern

PAR2452 3D/2D Radiation Pattern (Dongle天線_0dBm)

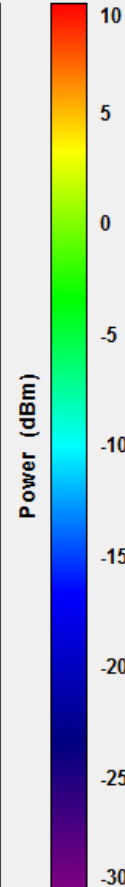
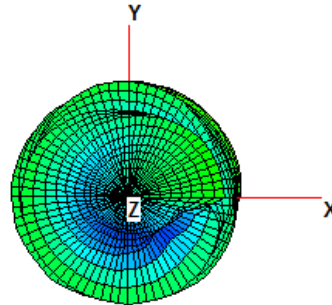
2402MHz_0dBm

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



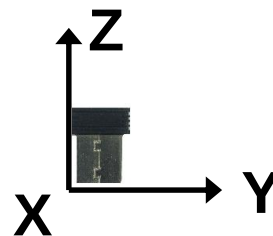
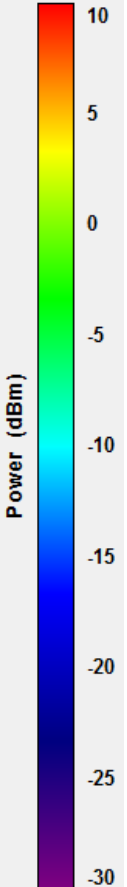
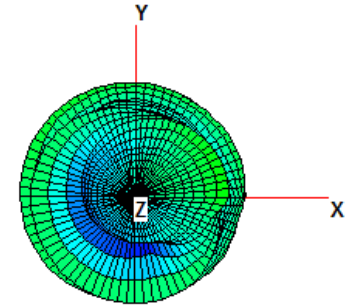
2440MHz_0dBm

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

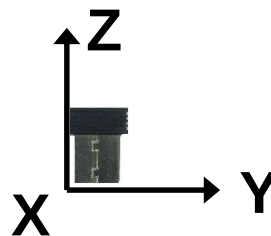
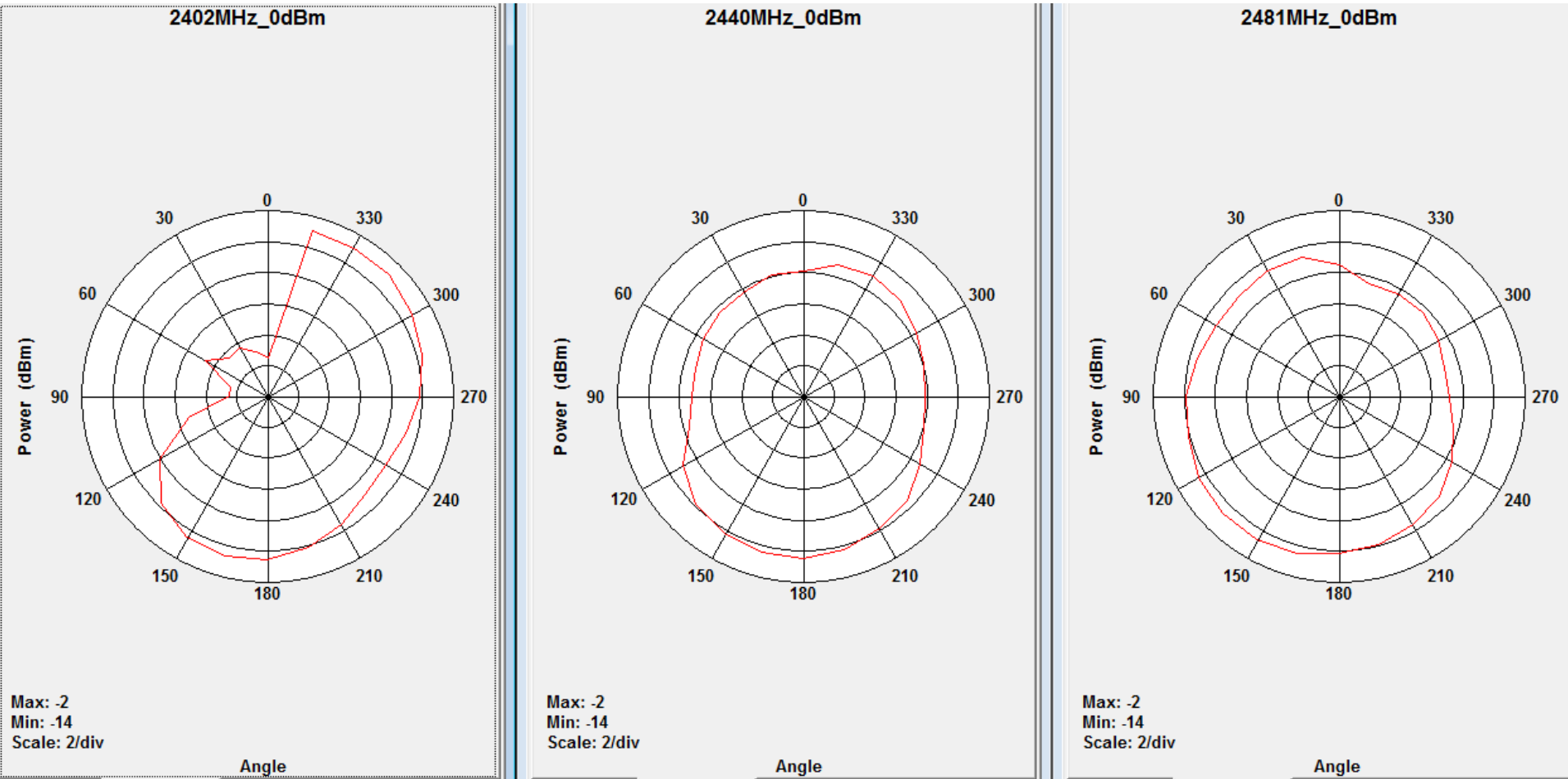


2481MHz_0dBm

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



PAR2452 3D/2D Radiation Pattern (Dongle天線_0dBm)



Comparison Table

Device Type	USB Dongle		
Test / Position	TRP/ FS		
Freq	2402	2440	2481
Tot. Rad. Pwr. (dBm)	-3.9	-3.8	-4.1
Peak EIRP (dBm)	3.8	3.7	3.5
Directivity (dBi)	7.7	7.5	7.6
Efficiency (dB)	-3.9	-3.8	-4.1
Efficiency (%)	41.0	42.1	39.3
Gain (dBi)	3.8	3.7	3.5
Note	Power Setting : 0 dBm		

EIRP- $P_{cond} = G_{ant} \text{ (Directivity)}$
 $G_{ant} = G_{ant} \text{ (Directivity)} + \text{Efficiency}$

For example :

EIRP=3.8dBm, $P_{cond} = -3.9\text{dBm}$, Efficiency=-3.9dB

$G_{ant} \text{ (Directivity)} = 3.8 - (-3.9) = 7.7\text{dBi}$

$G_{ant} = 7.7 - 3.9 = 3.8\text{dBi}$

Antenna Designation: PCB Antenna
 AntennaGain (dBi): 3.8dBi Operation
 Frequency: 2402~2481MHz
 Antenna model: ACX-AT8010

