

HBC Antenna Report

Mikodesigns

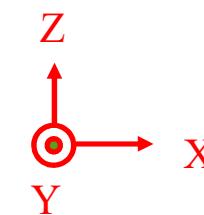
Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	MIKO	WB-LS419A004100102	Meander PCB Printed Antenna	0.16dBi for 2.4GHz

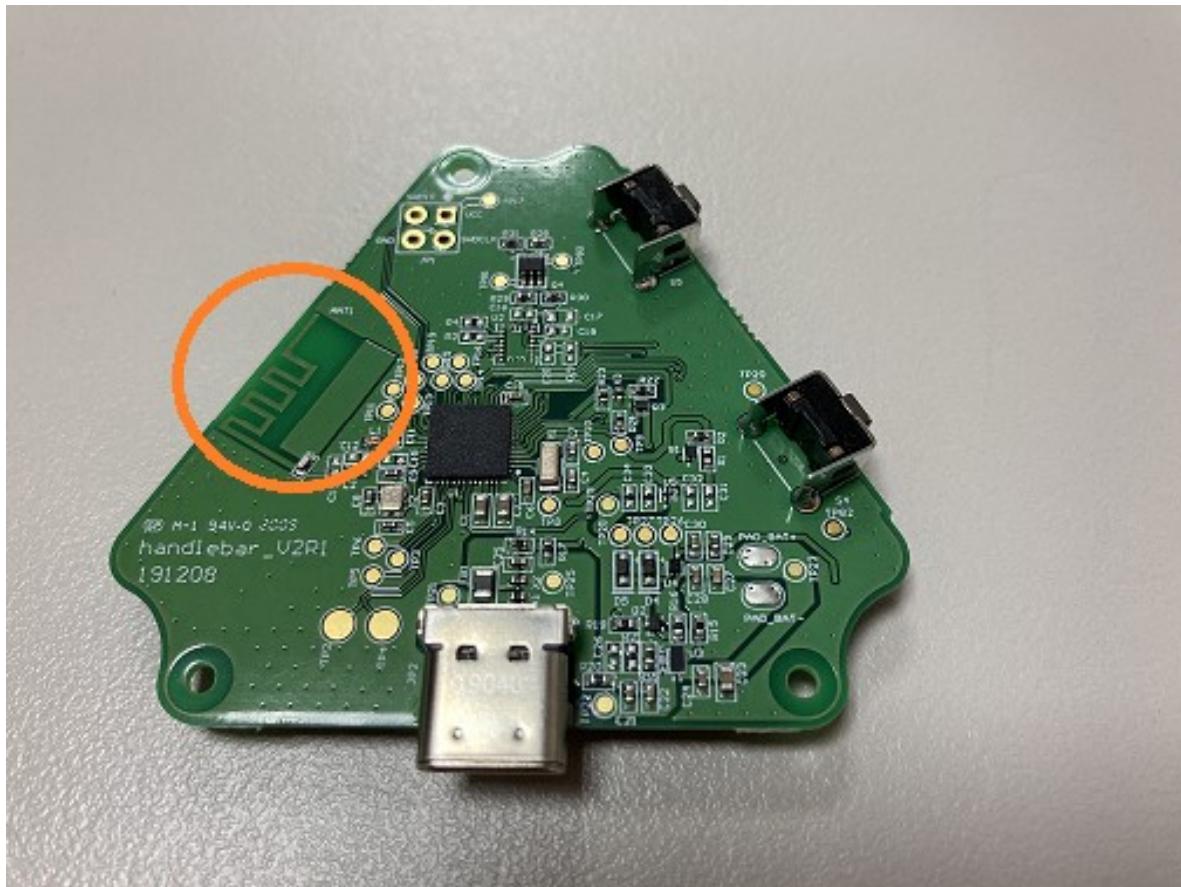
Setup Environment (1)



Setup Environment (2)



Print Antenna in HBC Device (1)



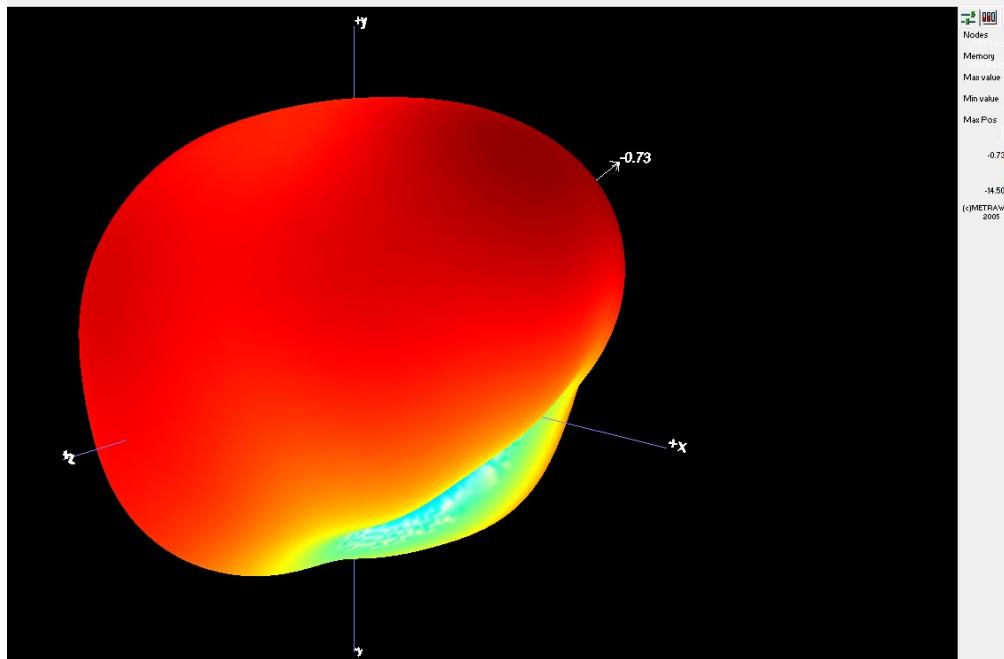
Print Antenna in HBC Device (2)



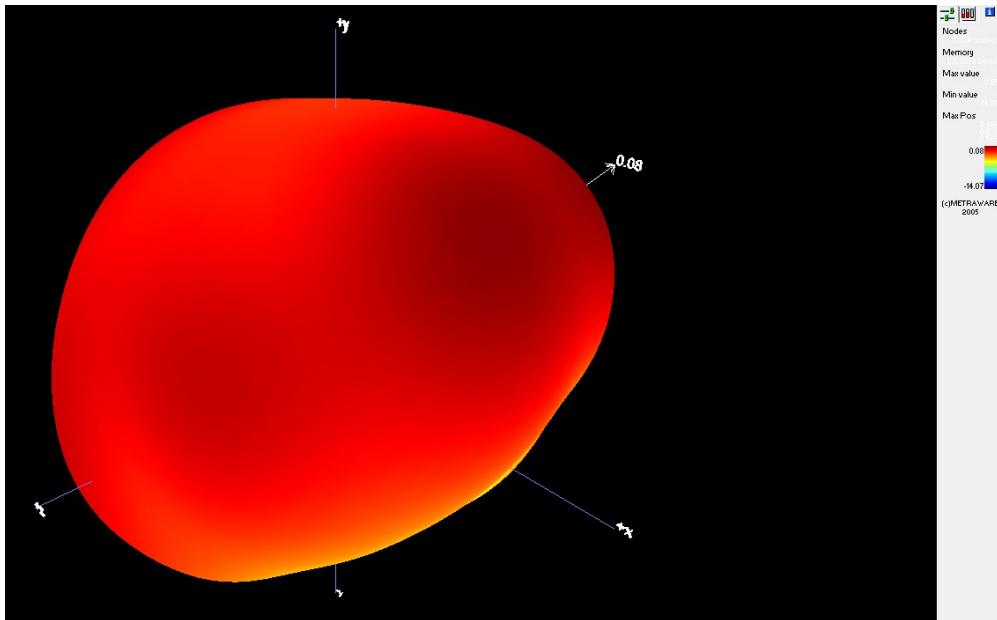
Antenna Peak Gain and Efficiency

Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	-0.73	0.08	0.16
Efficiency (%)	46	55	57

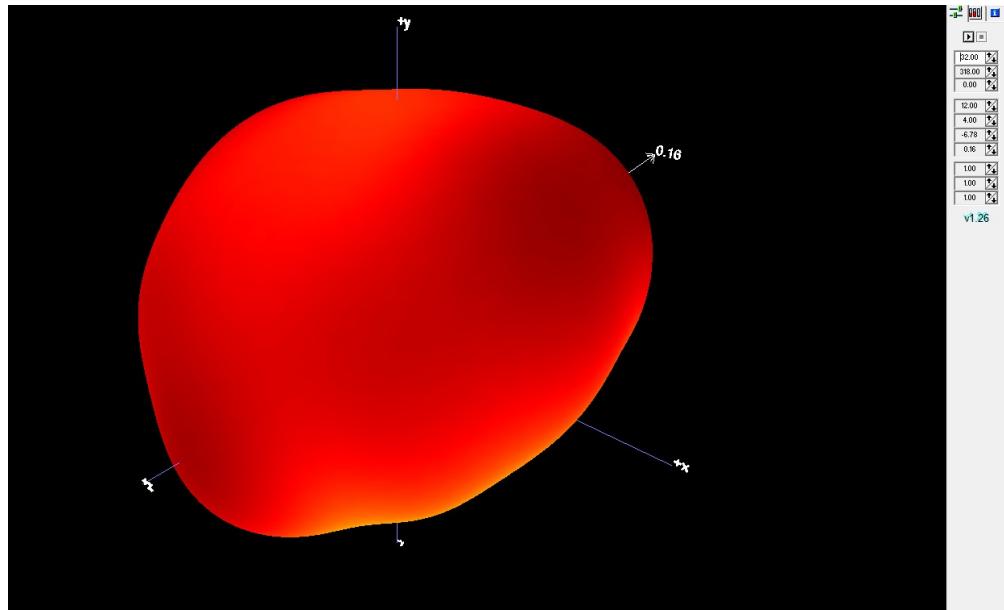
3D Radiation Pattern@2400MHz



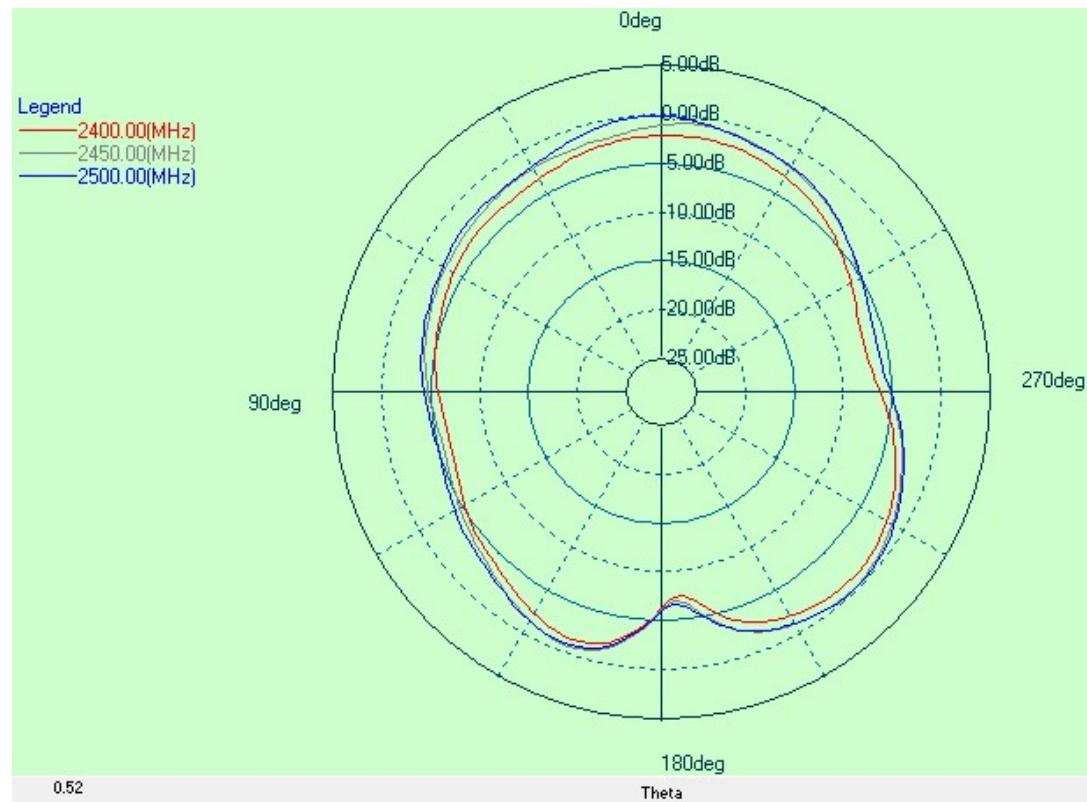
3D Radiation Pattern@2450MHz



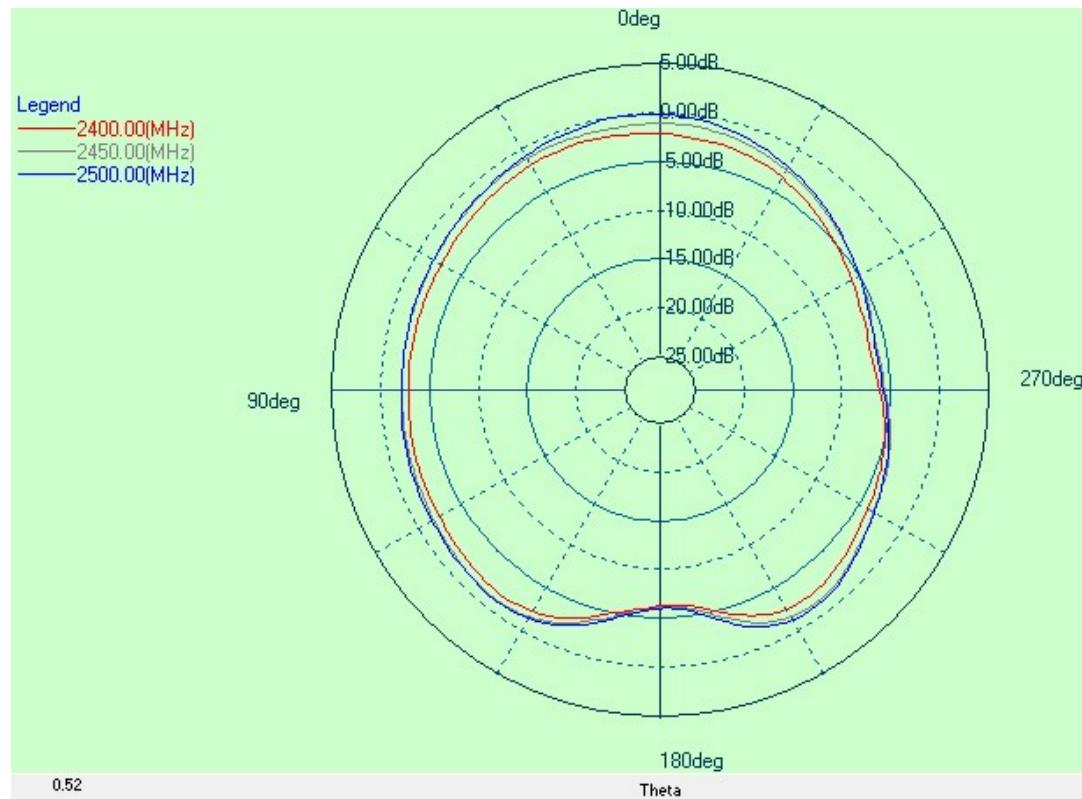
3D Radiation Pattern @2500MHz



2D Radiation Pattern (XZ)



2D Radiation Pattern (YZ)



2D Radiation Pattern (XY)

