

ANTENNA SPECIFICATION

Specifications

Summary

ITEM	SPEC.
Product Name	ANT
MAX. Gain	0dBi
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ohm
Antenna Length	37.45mm
Manufacture	MOKO TECHNOLOGY LTD.
Design	MOKO TECHNOLOGY LTD.
Antenna Type	Printed Antenna



Antenna Photo & Length (mm)

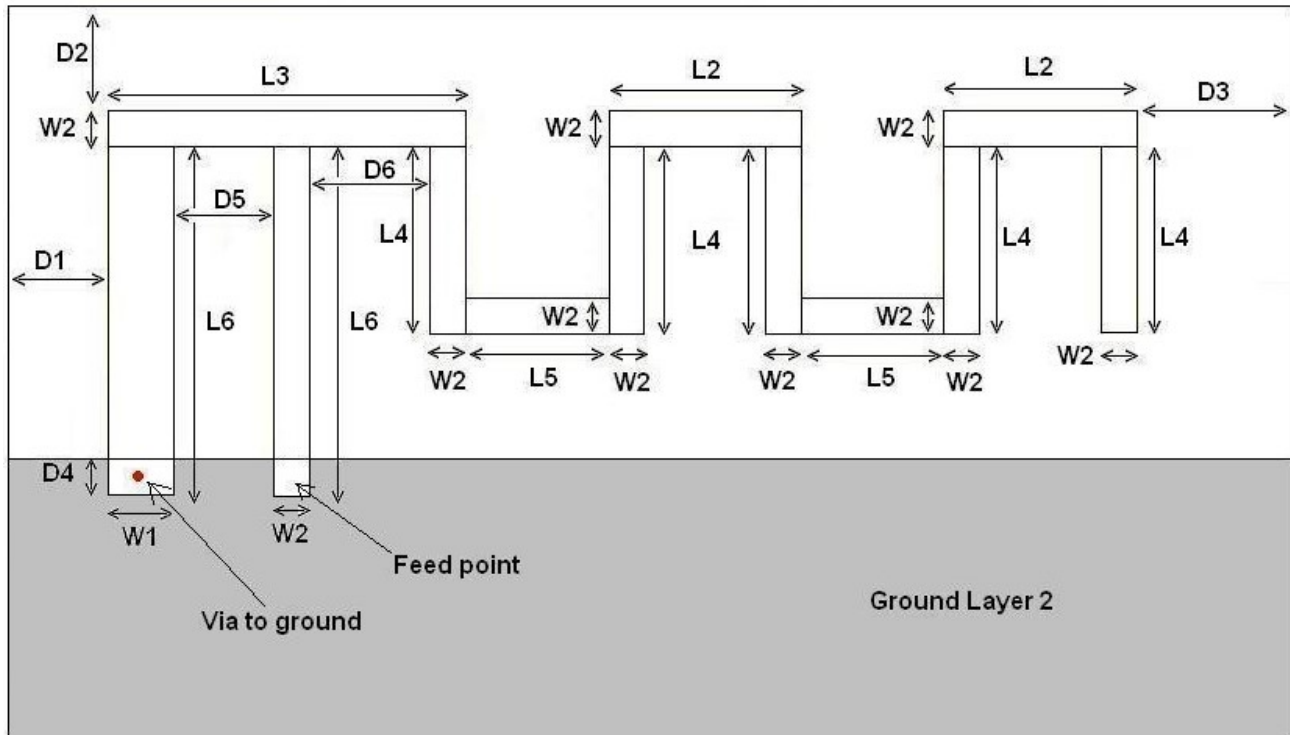


Figure 1: Antenna Dimensions

L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

*Antenna
BT*

STT Tag_V1.0
20220807

PCB ANT

RST

TX

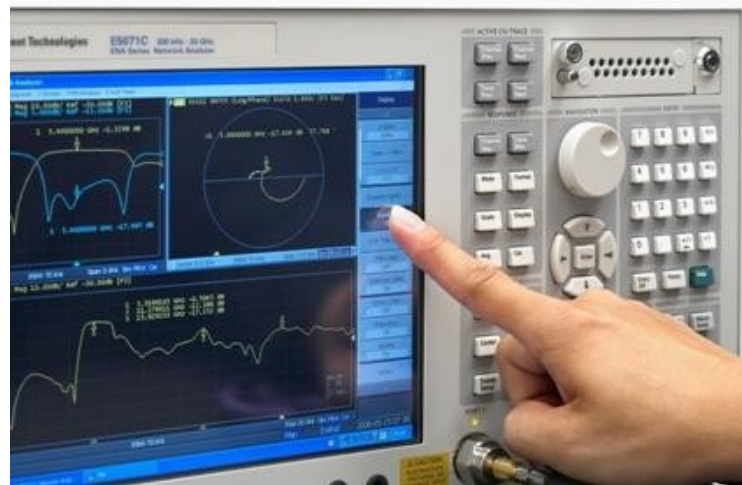
RX

02

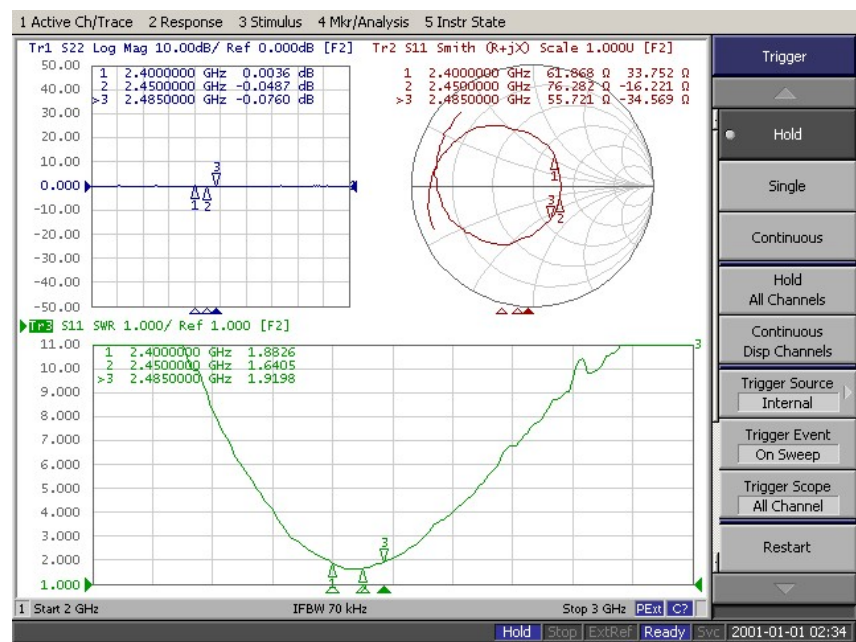
STT Tag_V1.0
20220807
CND
00
TX
RX
RST
02

PCB ANT

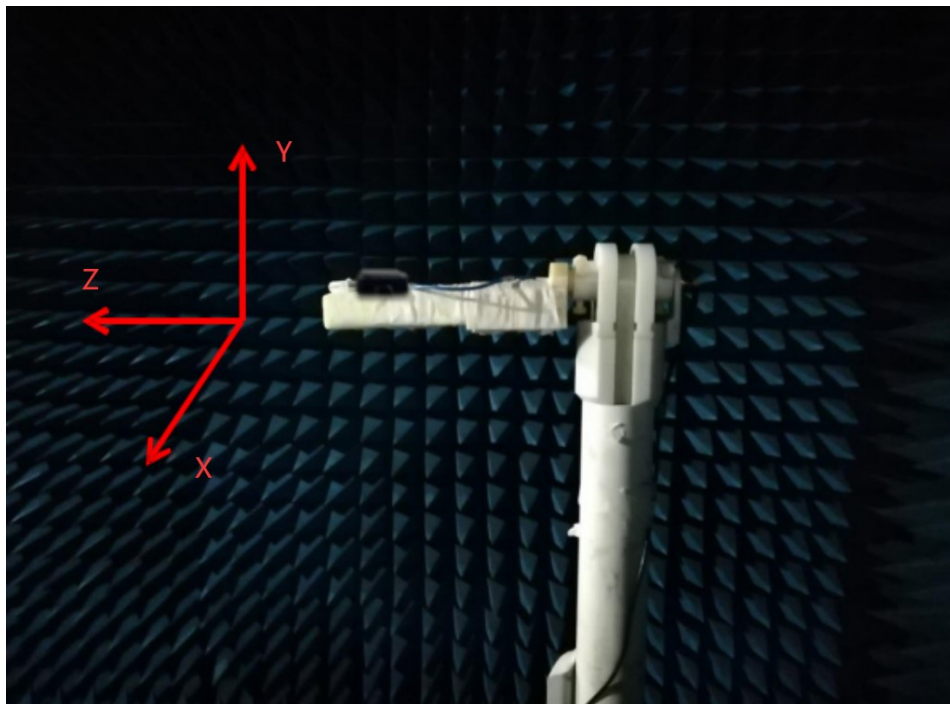
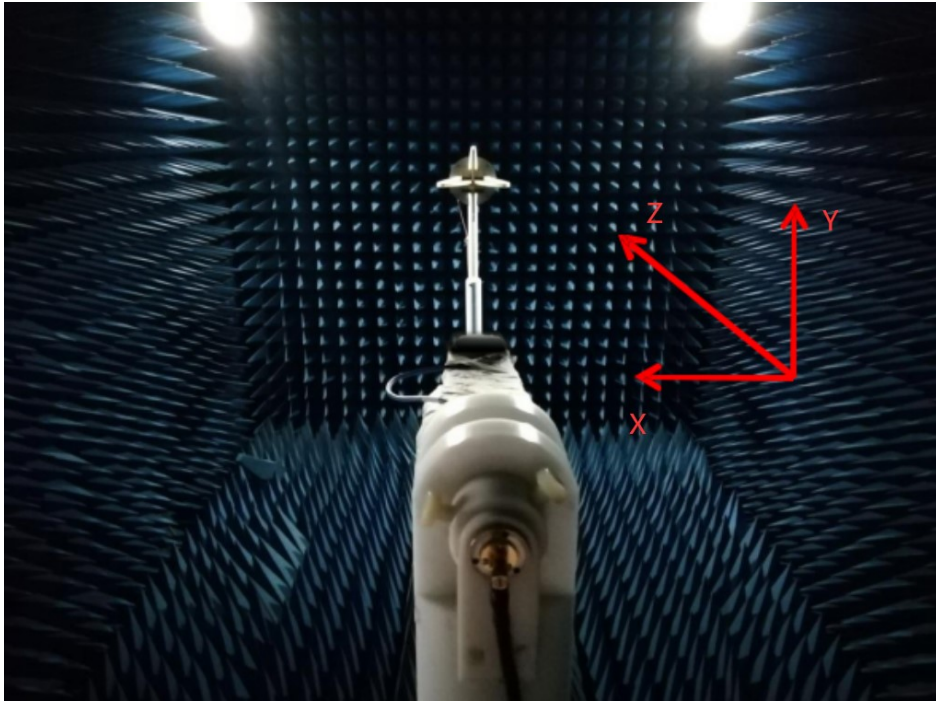
Agilent E5071B



S Parameter Test // BT

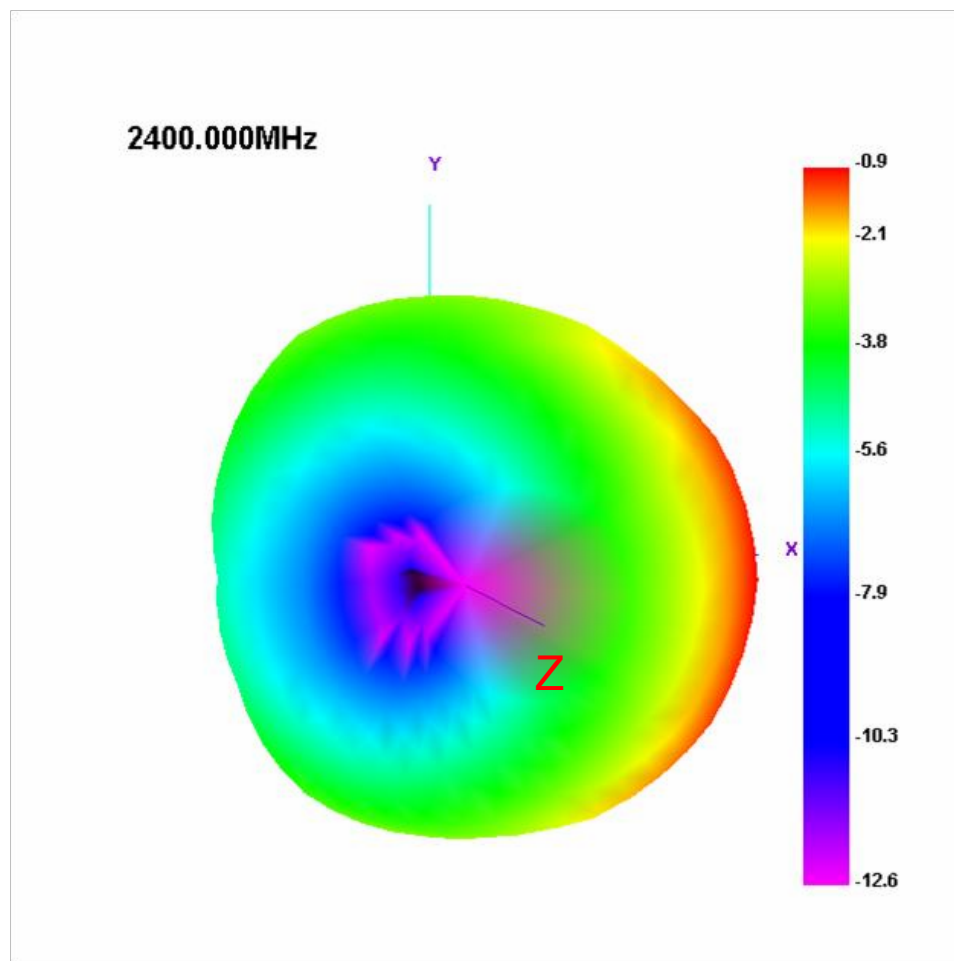


Antenna Passive Test

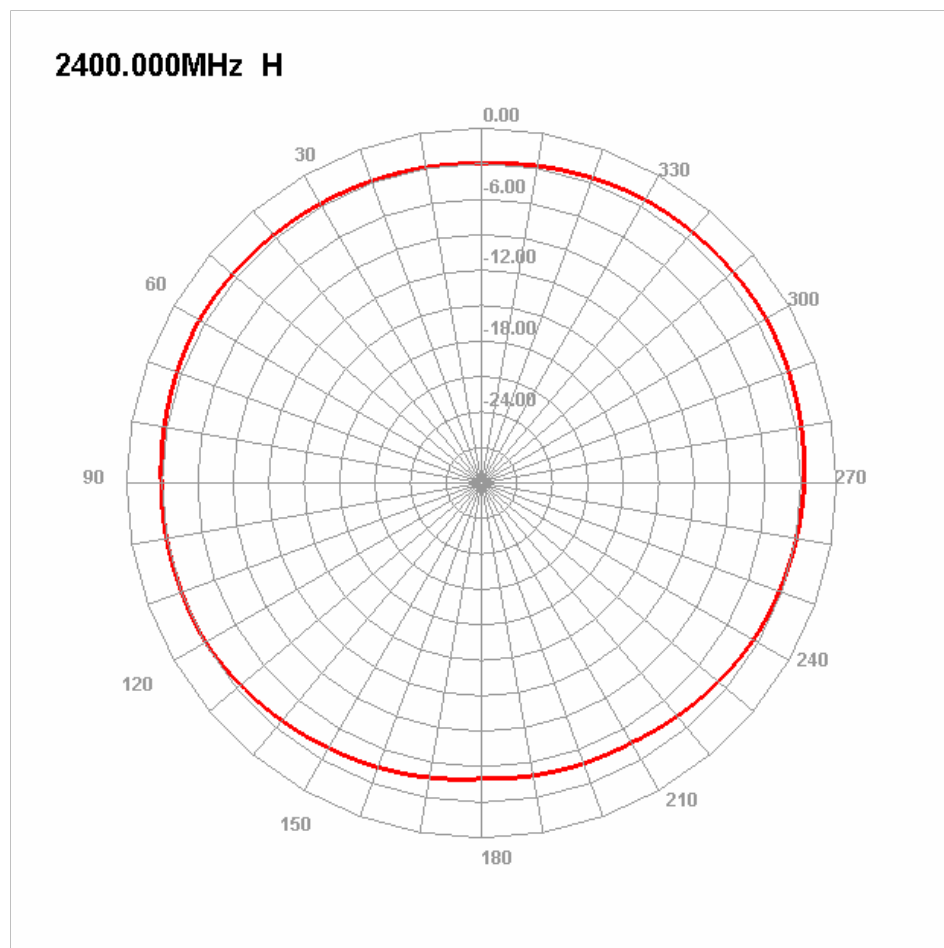


Passive Test For BT			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.06	-3.09	-0.88
2410	49.42	-3.06	-0.88
2420	49.81	-3.03	-0.93
2430	50.58	-2.96	-0.87
2440	49.97	-3.01	-0.92
2450	52.72	-2.78	-0.63
2460	52.93	-2.76	0.00
2470	51.42	-2.89	-0.17
2480	51.12	-2.91	-0.39
2490	50.63	-2.96	-0.5
2500	48.31	-3.16	-0.75

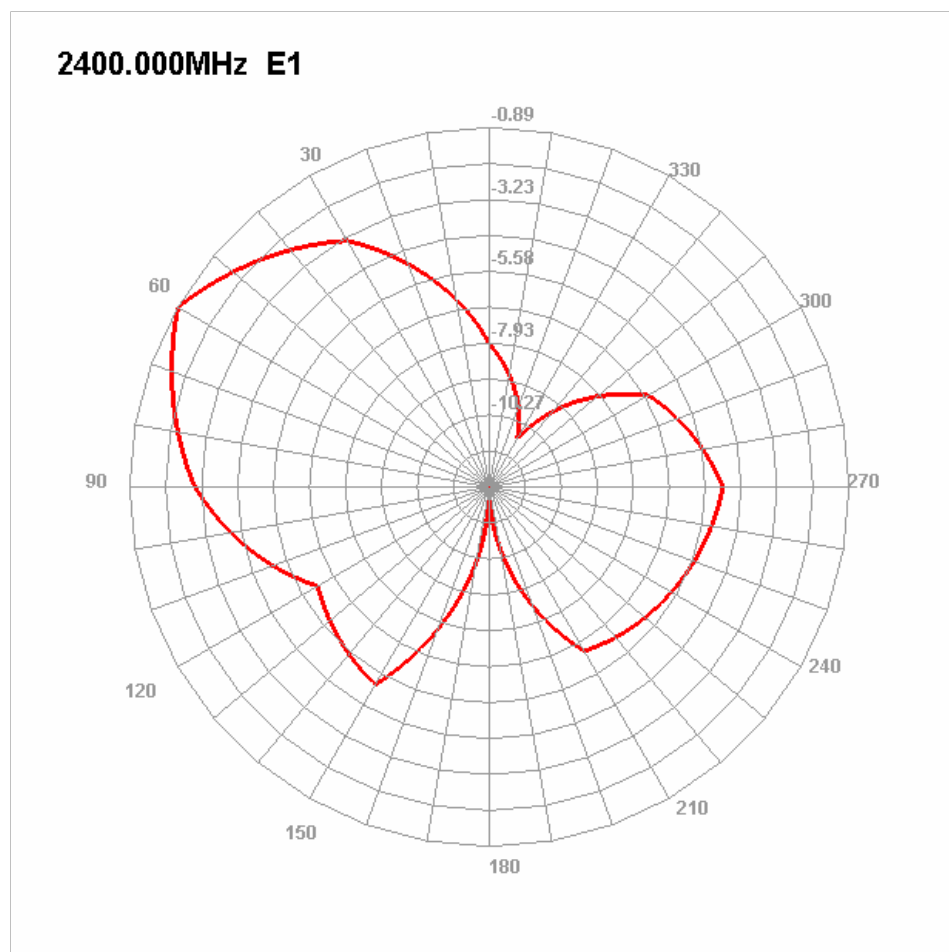
Radiation Pattern For BT



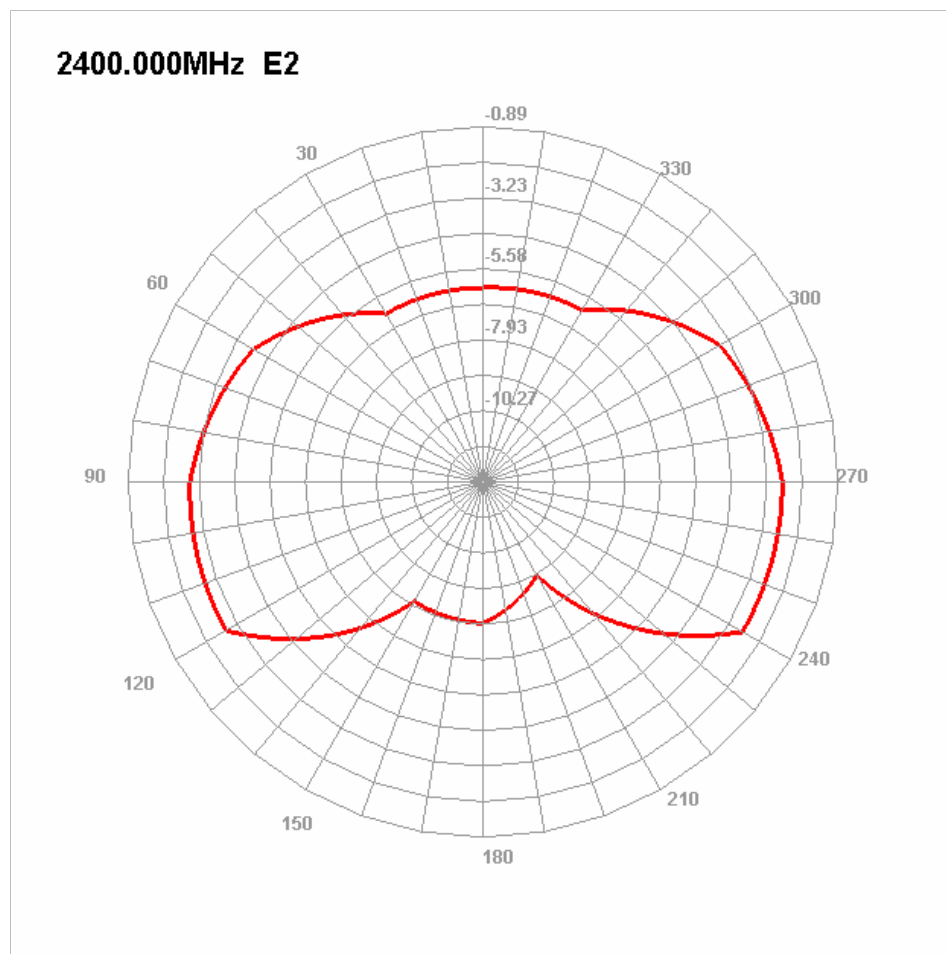
Radiation Pattern For BT



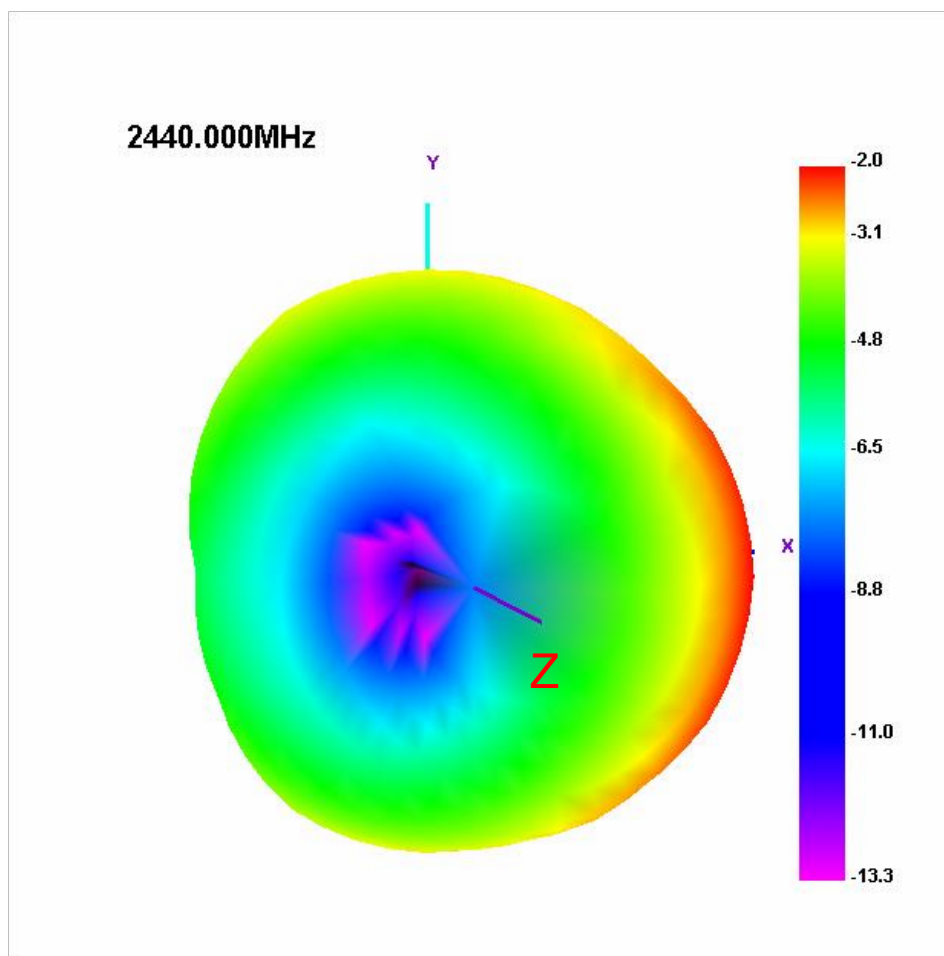
Radiation Pattern For BT



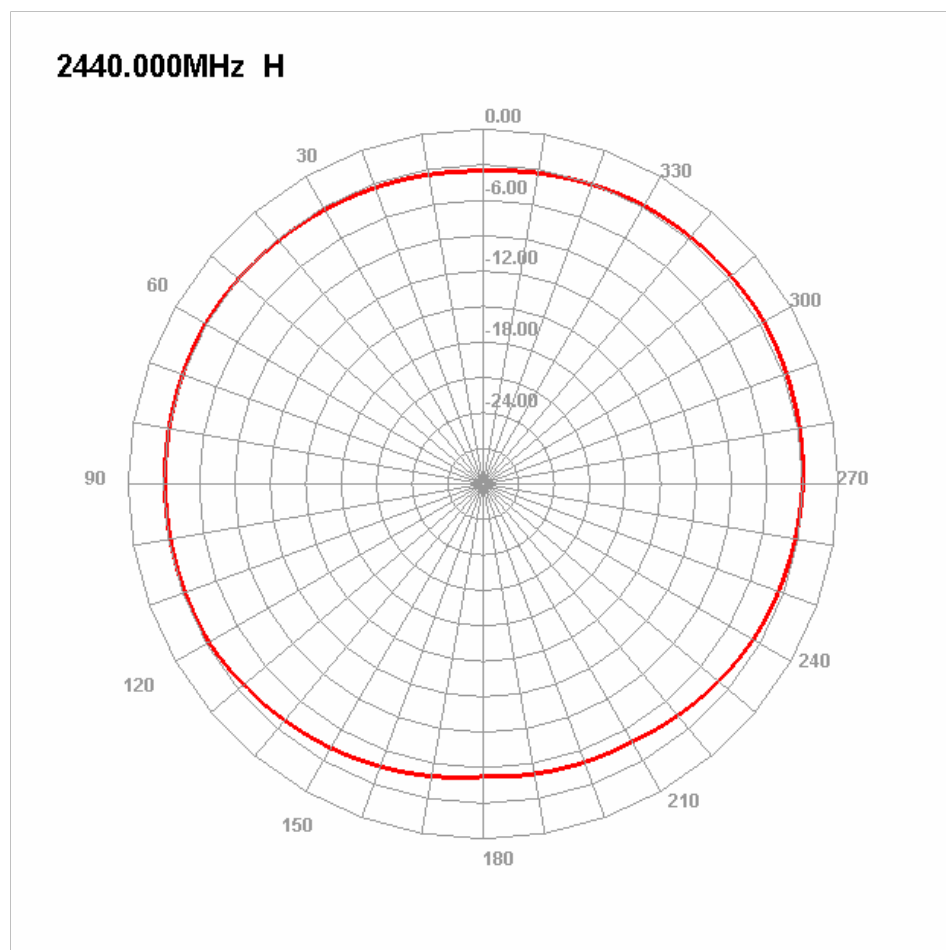
Radiation Pattern For BT



Radiation Pattern For BT

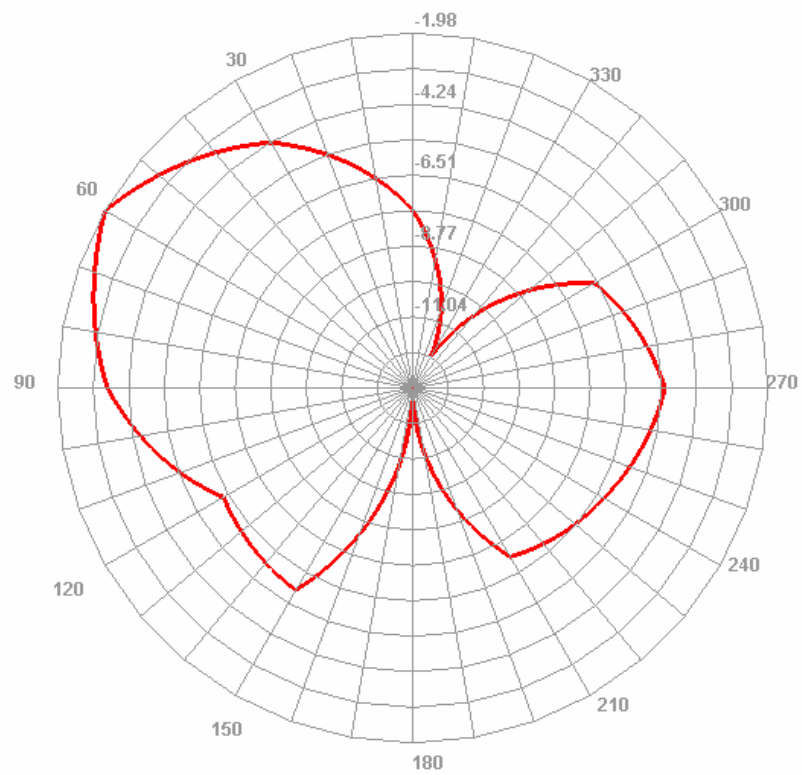


Radiation Pattern For BT

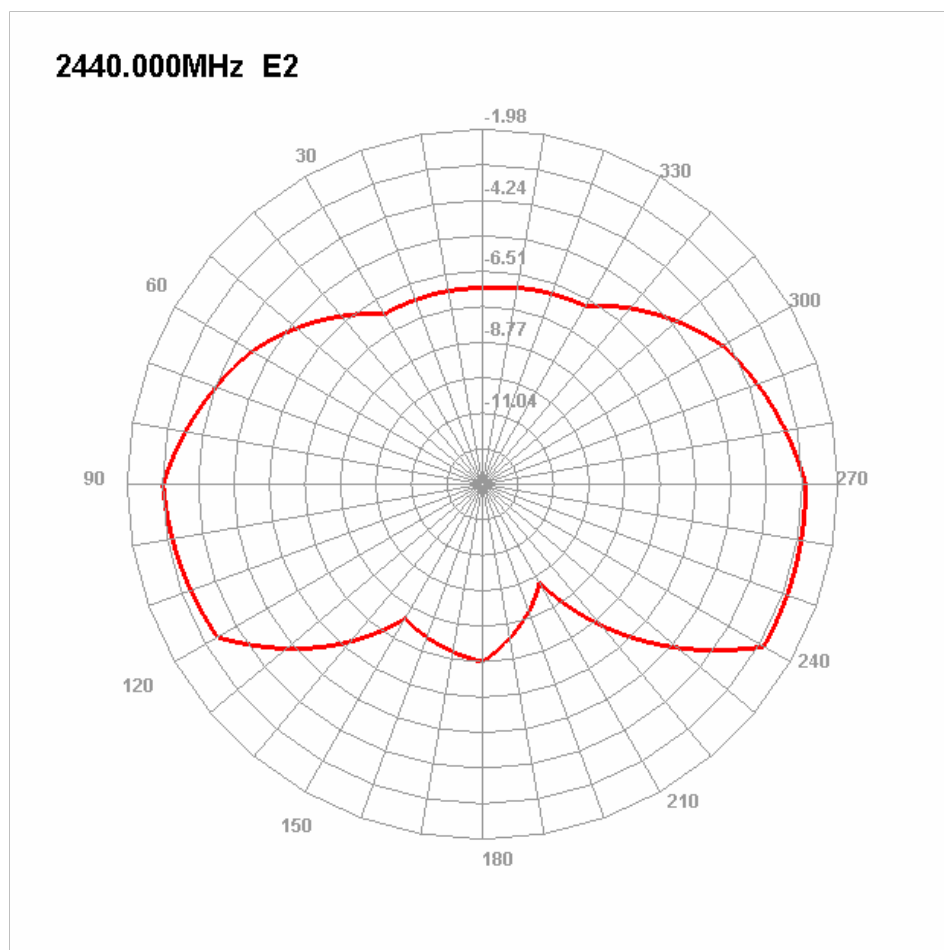


Radiation Pattern For BT

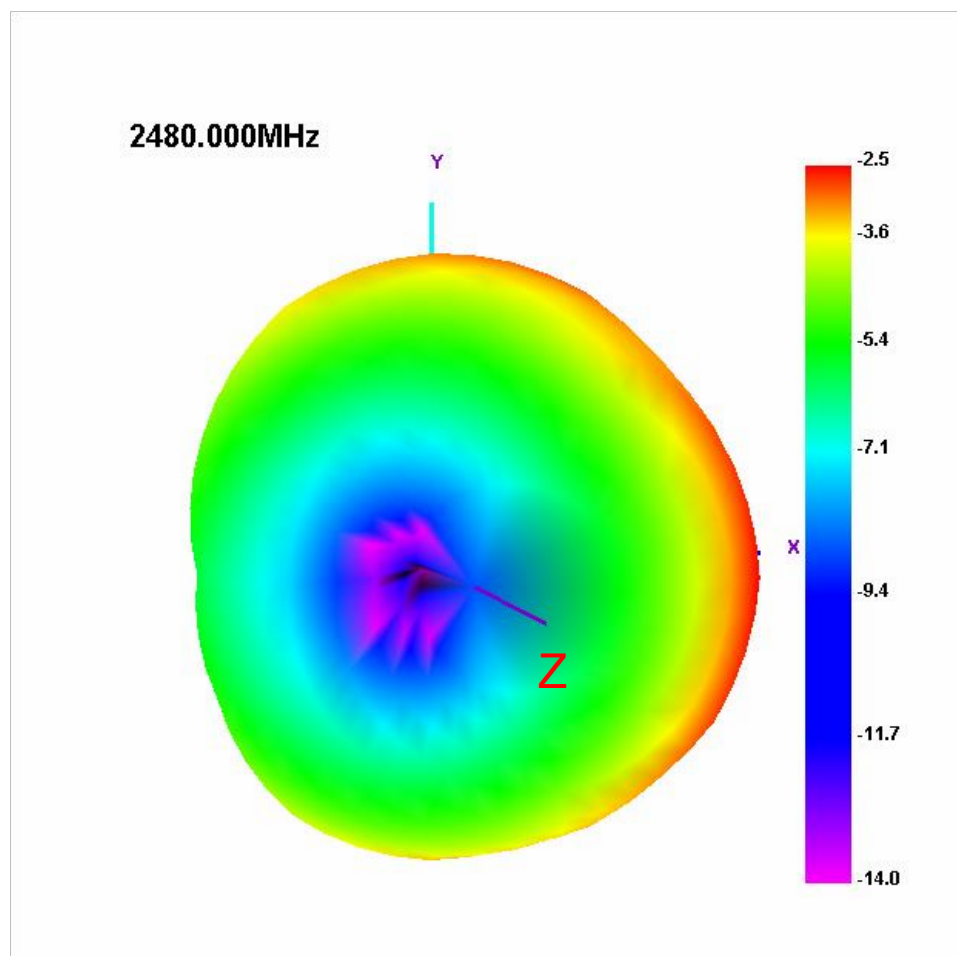
2440.000MHz E1



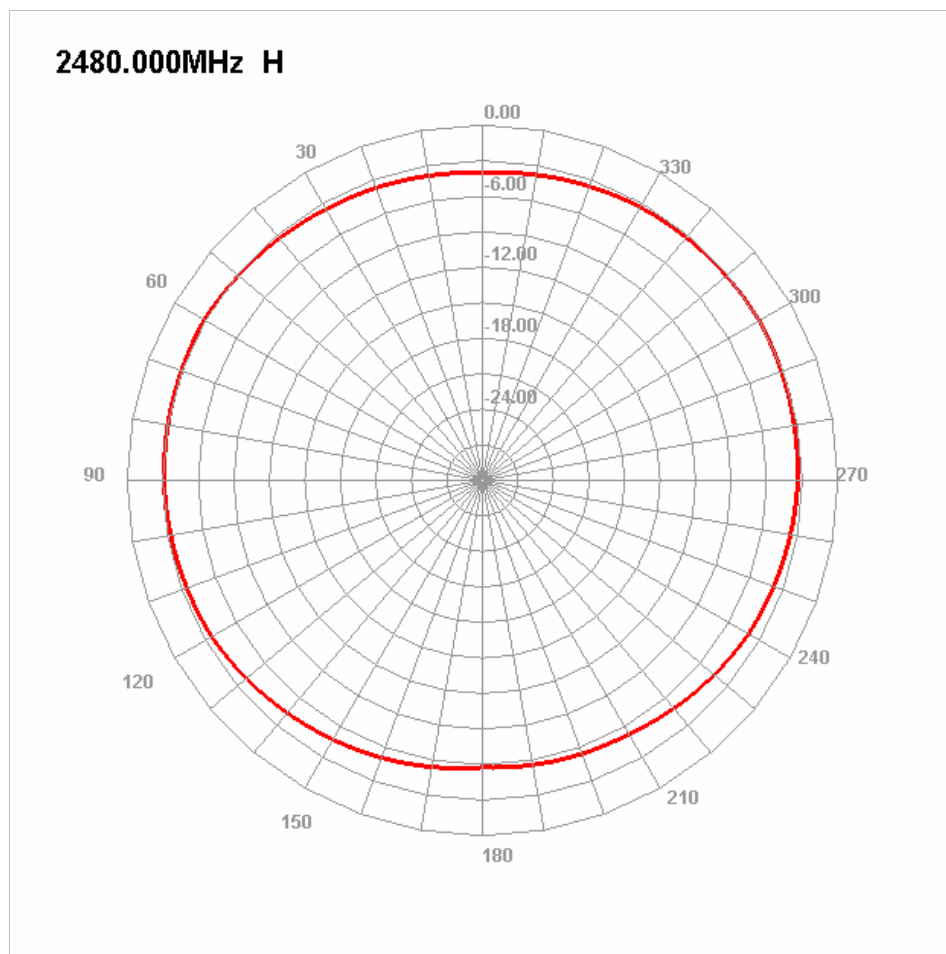
Radiation Pattern For BT



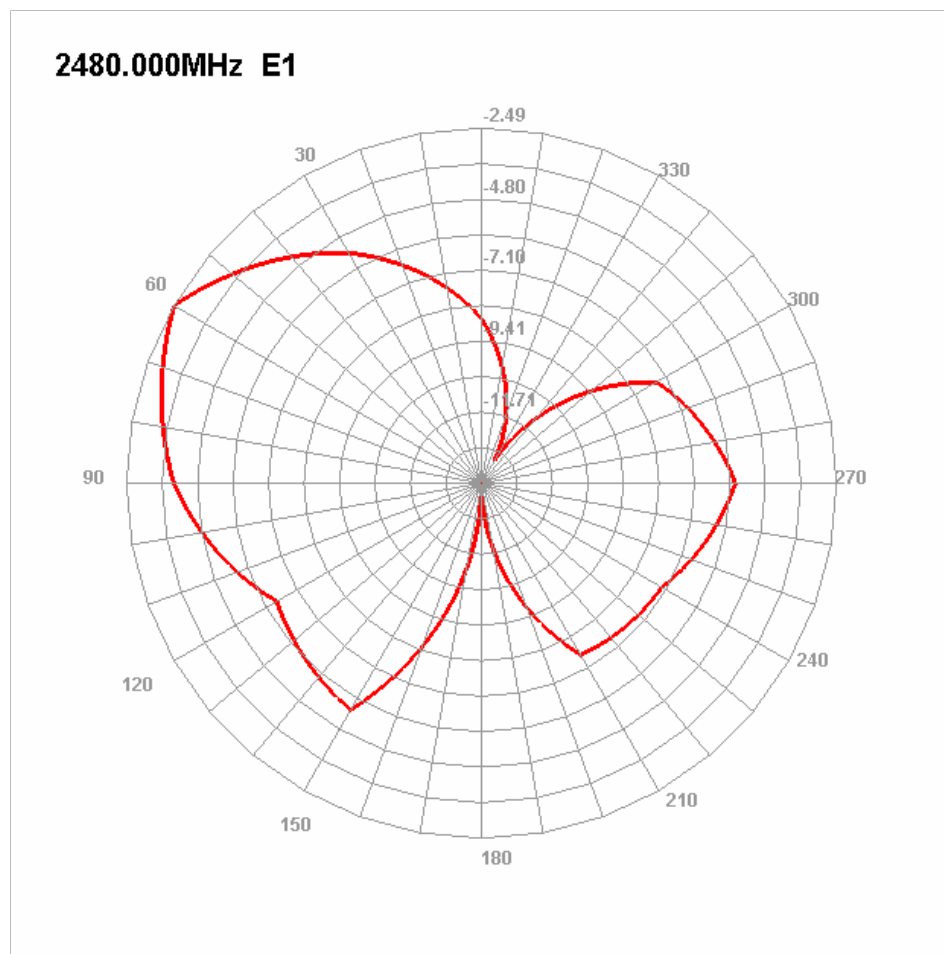
Radiation Pattern For BT



Radiation Pattern For BT



Radiation Pattern For BT



Radiation Pattern For BT

2480.000MHz E2

