

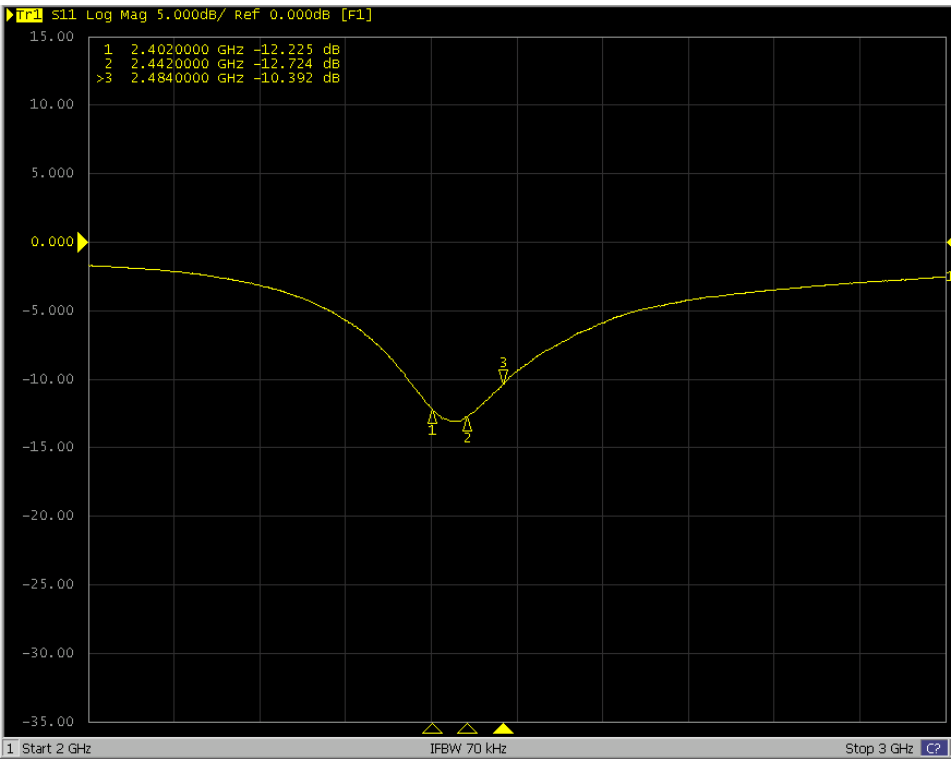


立訊 BT Antenna 【M09 雙燈】Project

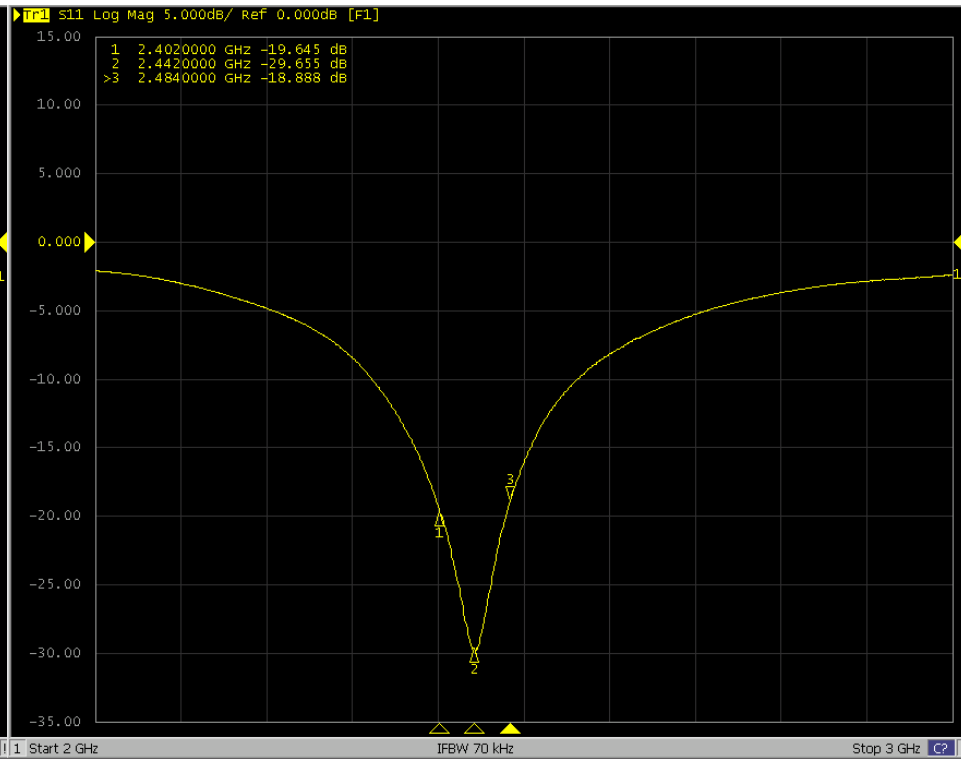
Date 2022/01/04

Author Mark

Antenna S11

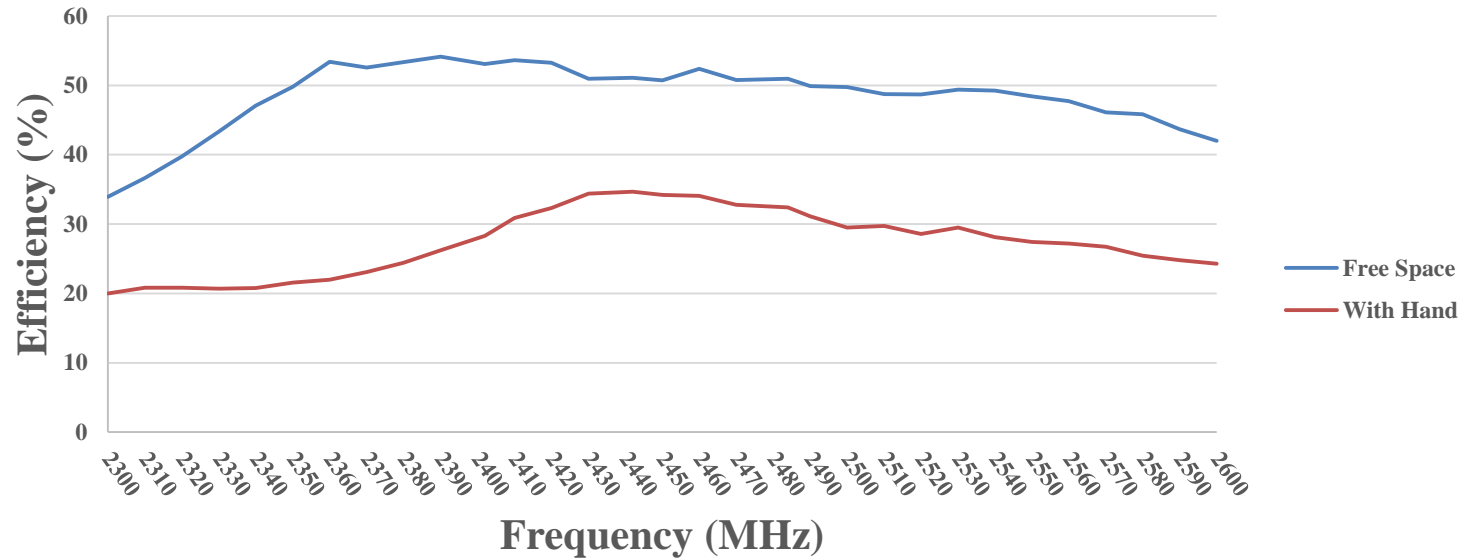


Free Space



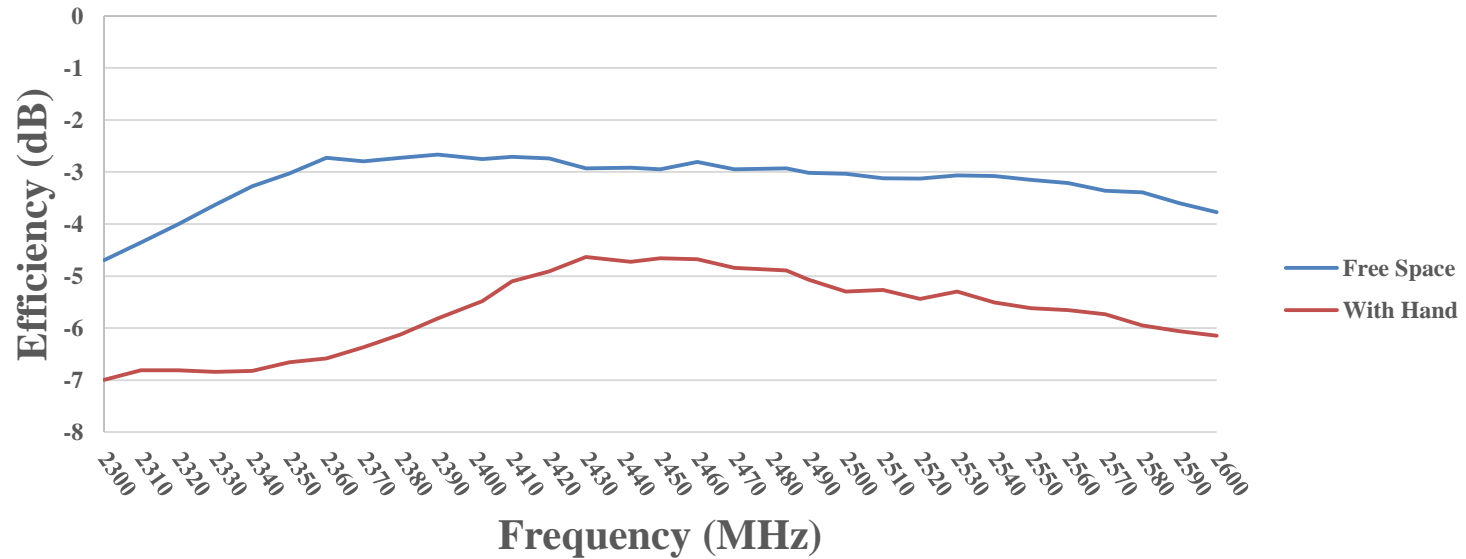
With Hand

Antenna Efficiency



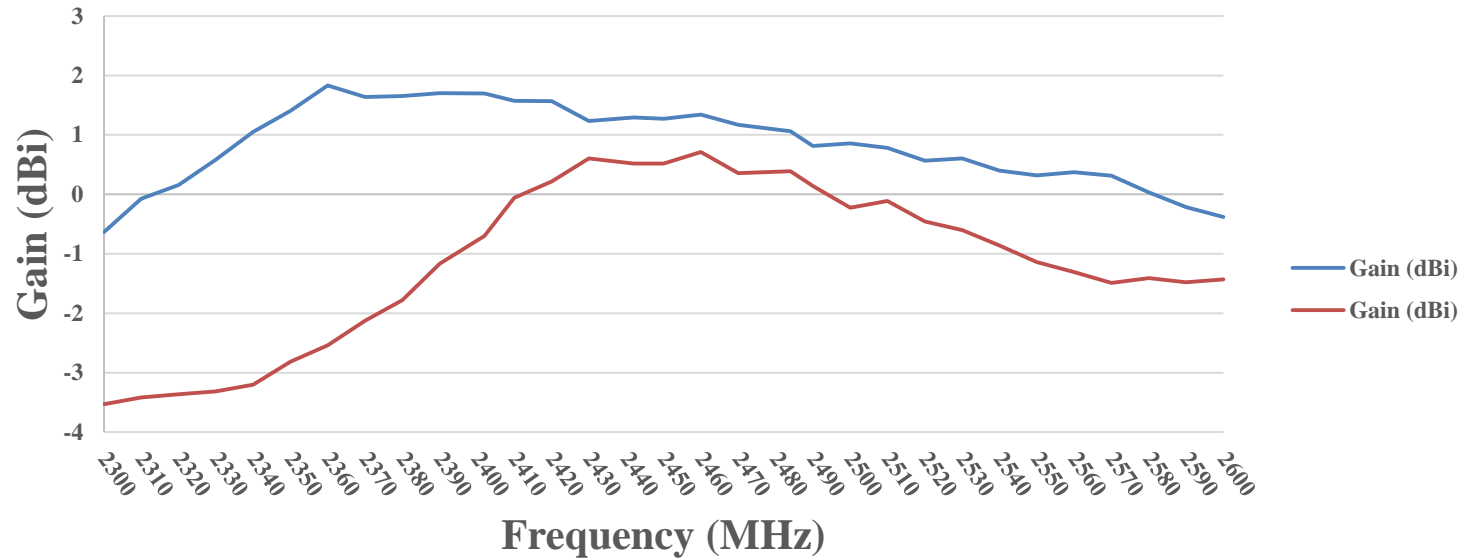
Frequency (MHz)	2402	2442	2484
Free Space	53.06	51.10	50.92
With Hand	28.29	34.66	32.41

Antenna Average Gain



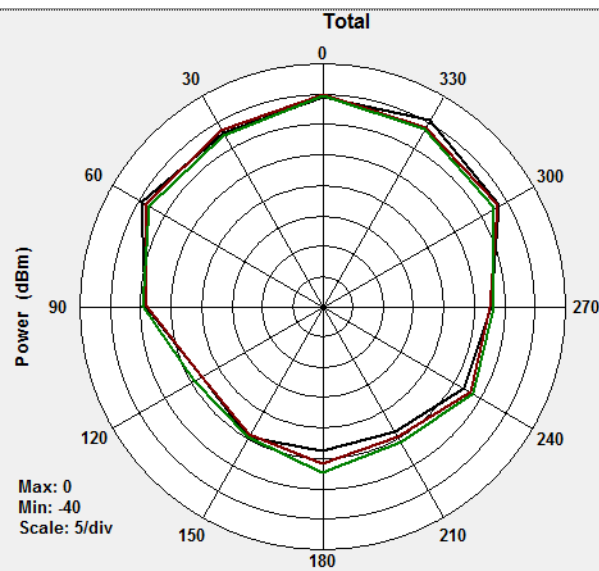
Frequency (MHz)	2402	2442	2484
Free Space	-2.75	-2.91	-2.93
With Hand	-5.48	-4.72	-4.89

Antenna Peak Gain

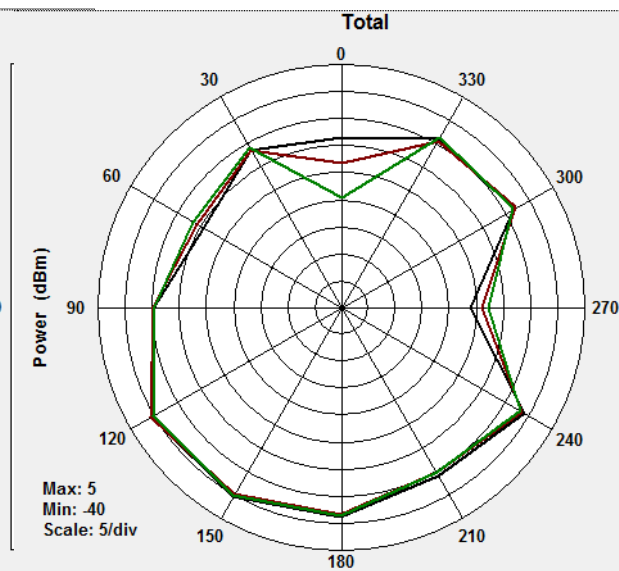


Frequency (MHz)	2402	2442	2484
Free Space	1.69	1.29	1.05
With Hand	-0.69	0.52	0.38

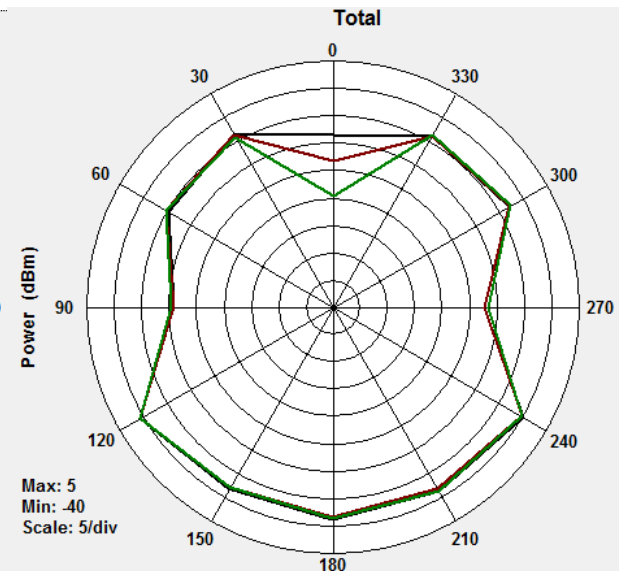
Free Space Antenna 2D Pattern



XY-Plane



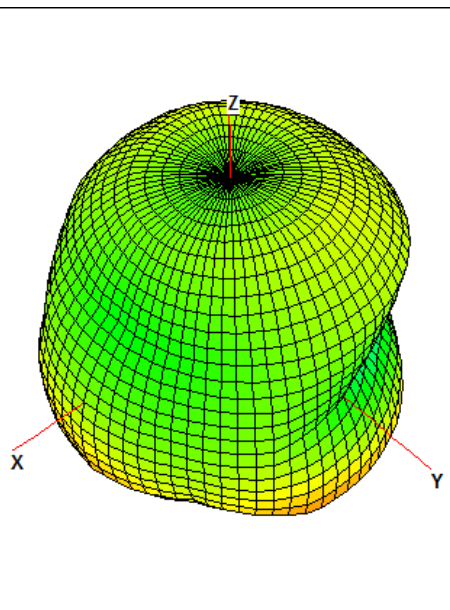
XZ-Plane



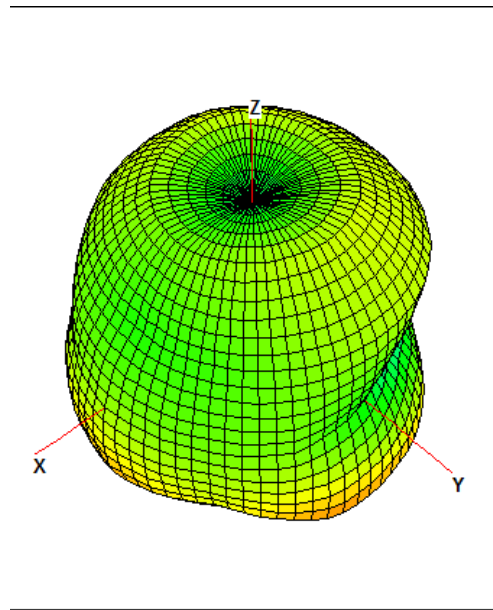
YZ-Plane

2402 MHz
2442 MHz
2484 MHz

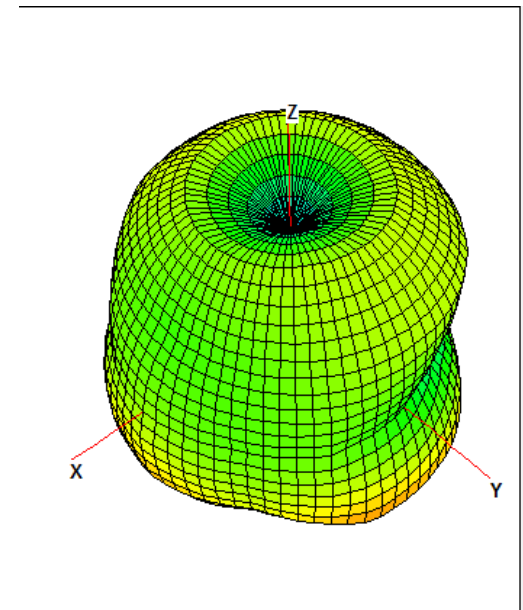
Free Space Antenna 3D Pattern



2402MHz

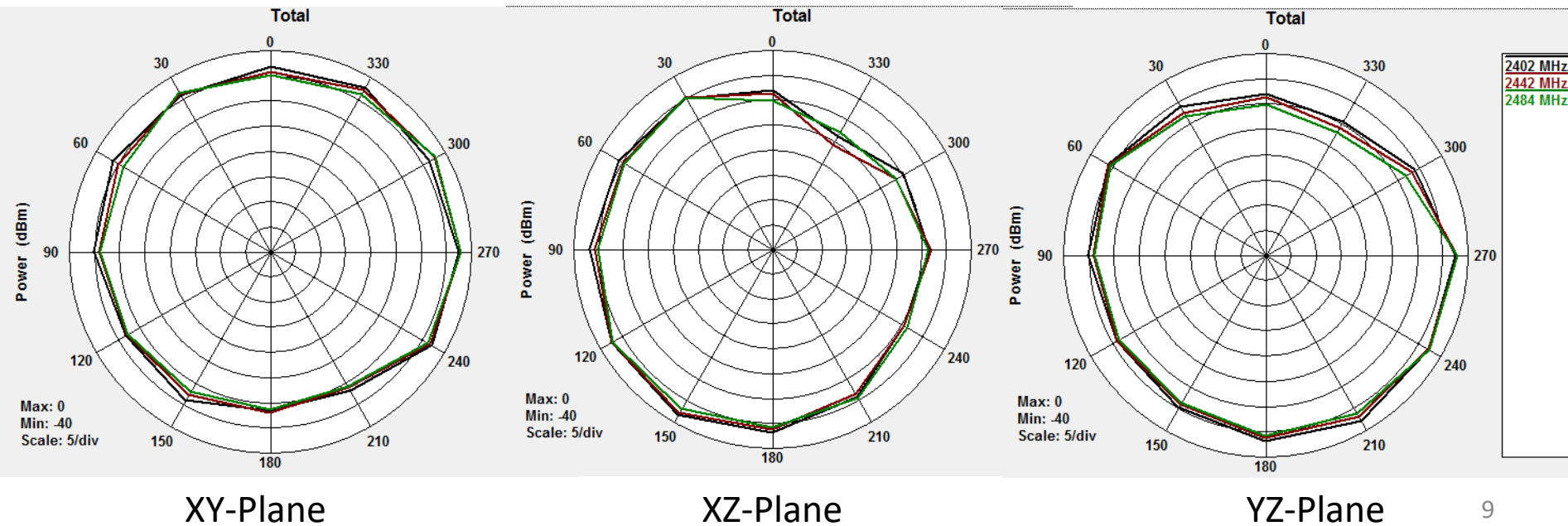


2442MHz

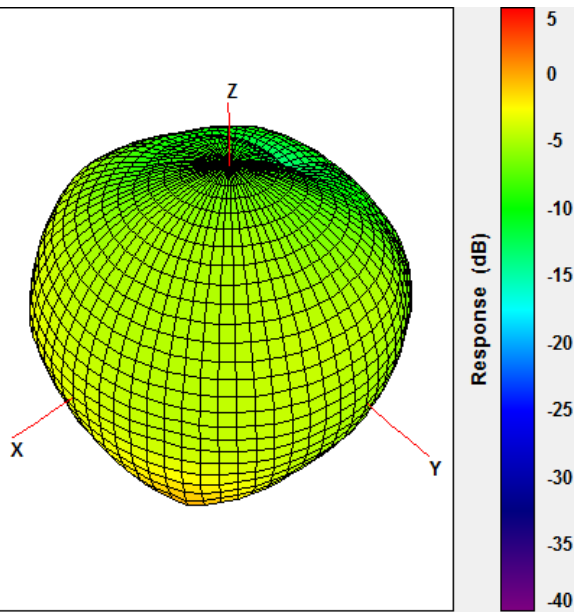


2484MHz

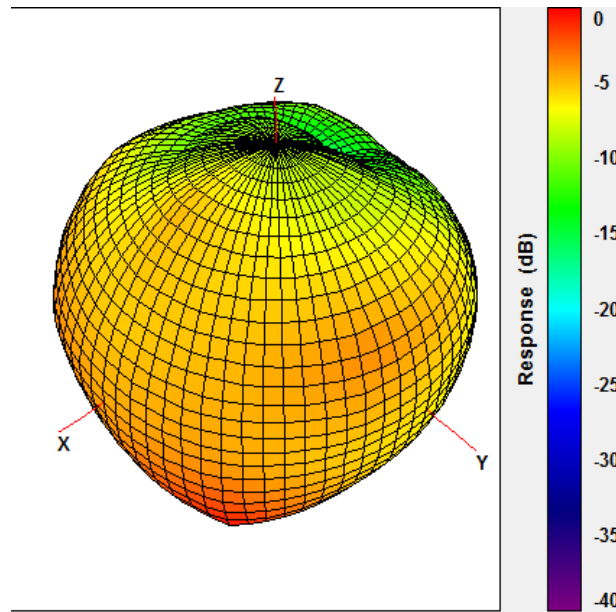
With Hand Antenna 2D Pattern



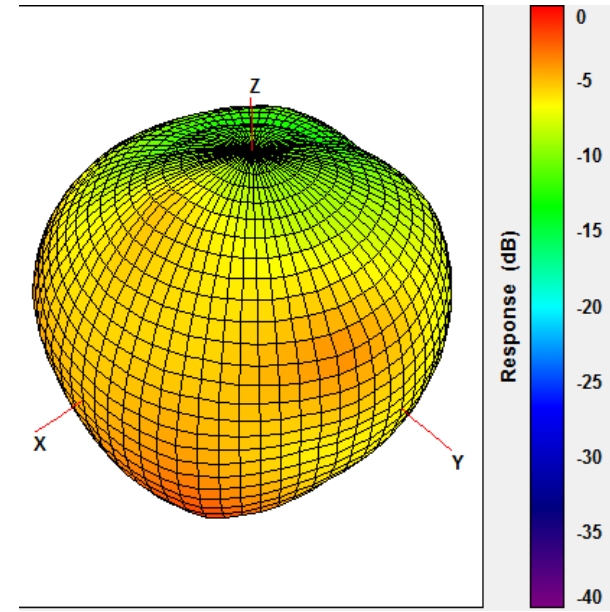
With Hand Antenna 3D Pattern



2402MHz

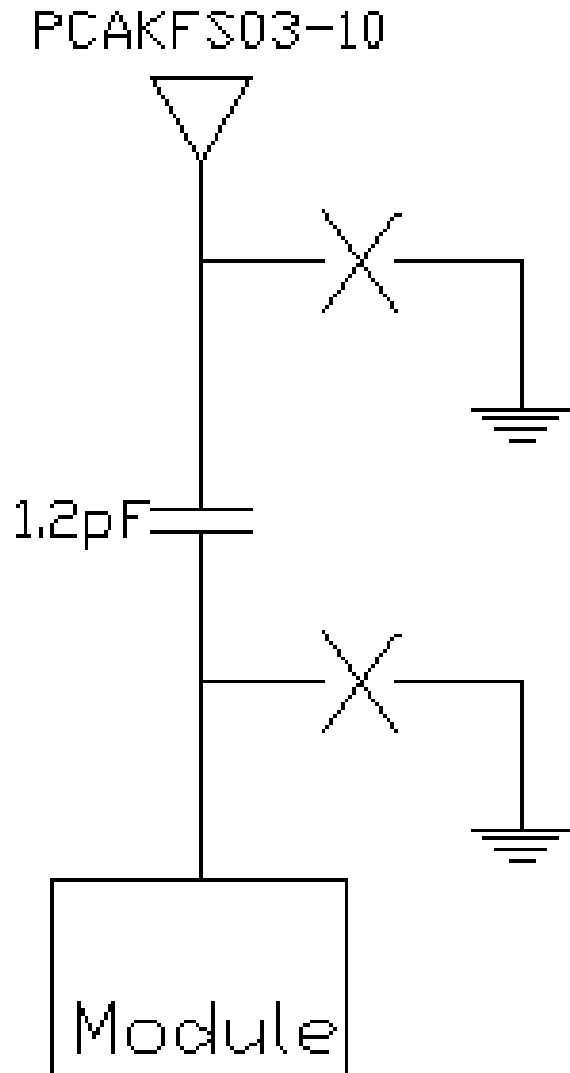


2442MHz



2484MHz

Matching Circuit



型號:YAGEO

料號:CC0402BRNPO9BN1R2

Test standard

Name	Parameter	Method	Standard no.
Mobile communication antenna	VSWR	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Antenna gain		
	Radiation pattern		
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	XXXXX	2021.10.29	2023.10.28
Antenna					
Chamber					
ESA	Agilent	E4402B	XXXXX	2021.9.28	2023.9.27
ZNB	R&S	ZNB43	XXXXX	2021.11.4	2023.11.3

Test procedure

