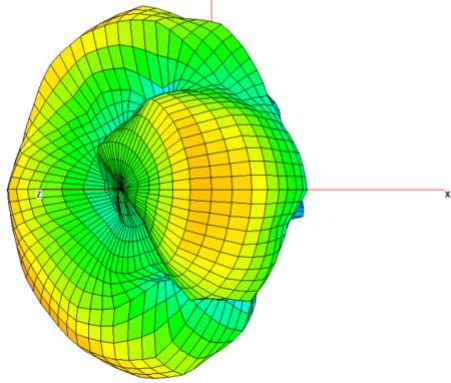
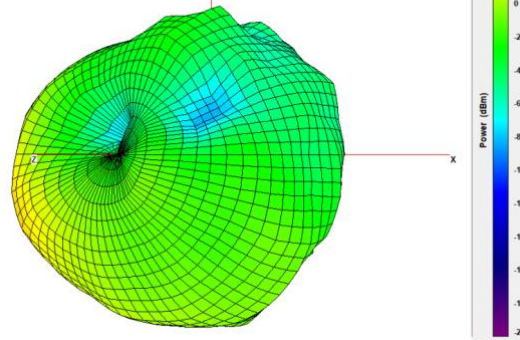


# 2300MHz

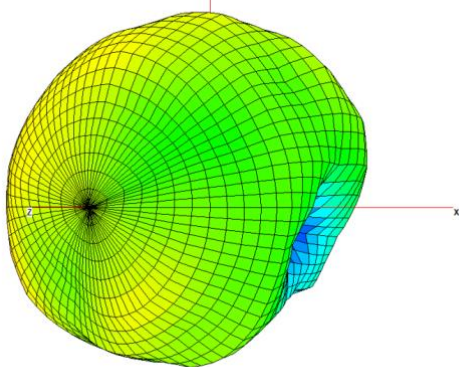
**MIMO 1 – 30cmx30cm  
Ground Plane**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



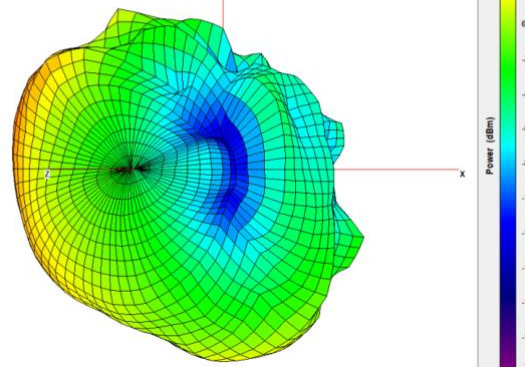
**MIMO 2 – 30cmx30cm  
Ground Plane**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



**MIMO 1 – Free Space**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



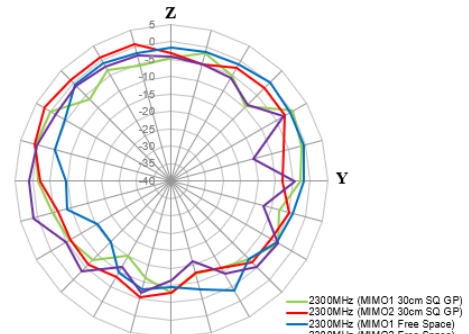
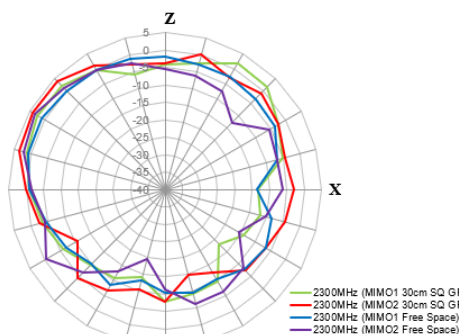
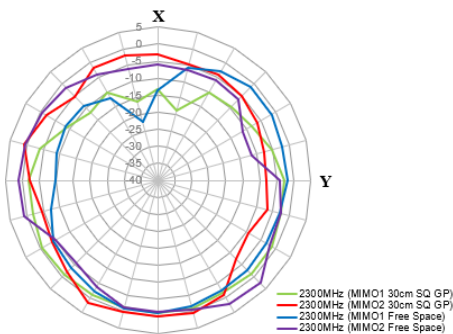
**MIMO 2 – Free Space**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



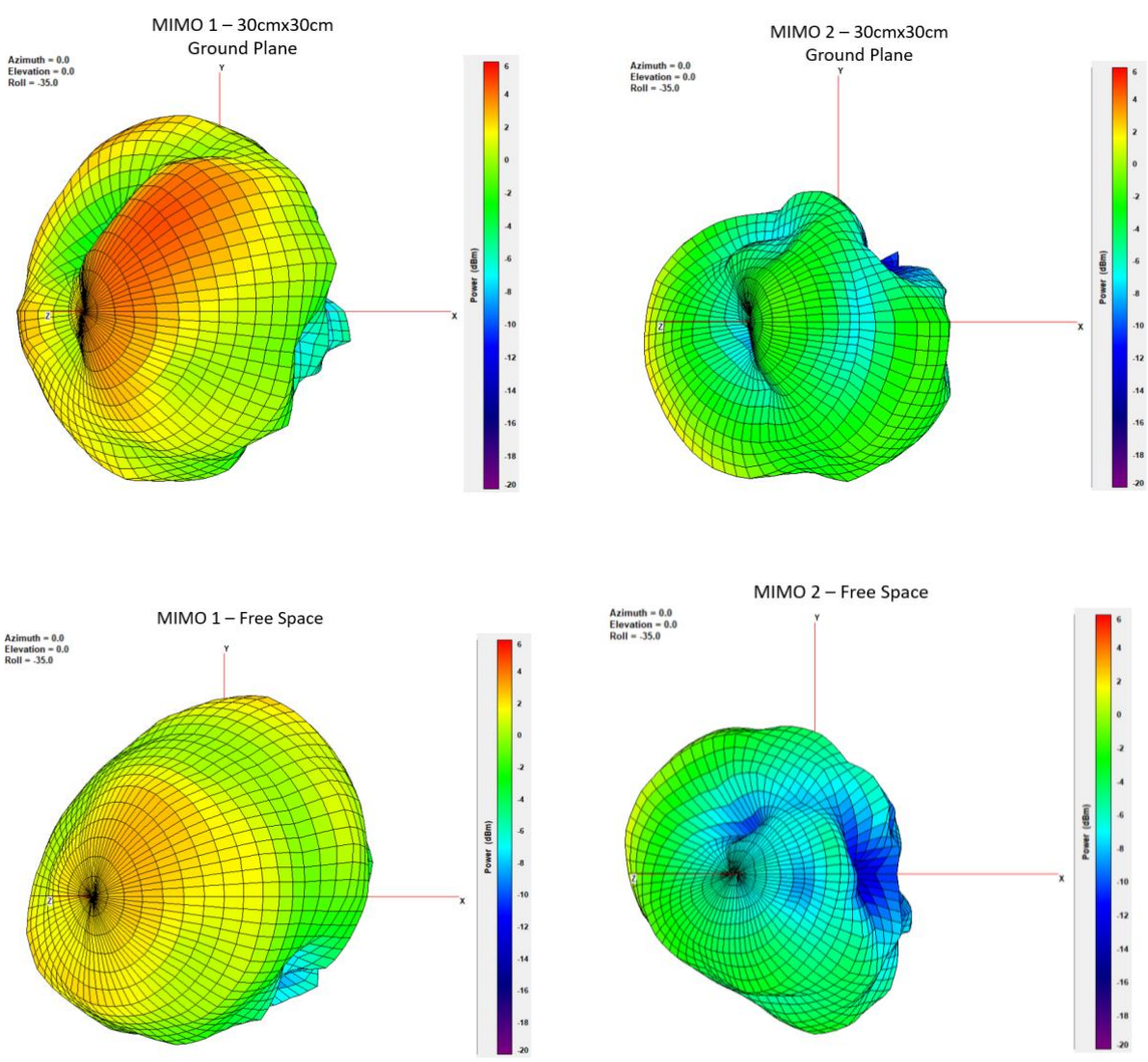
## XY Plane

## XZ Plane

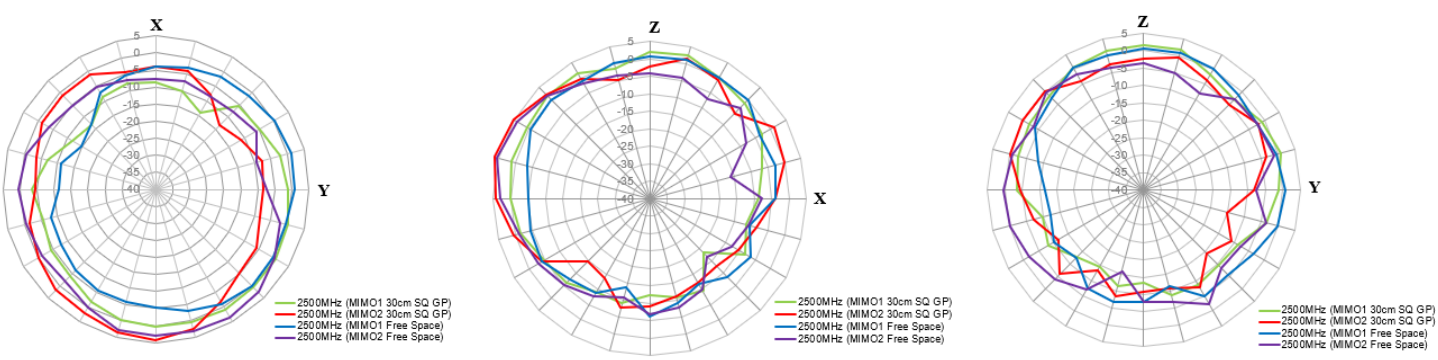
## YZ Plane



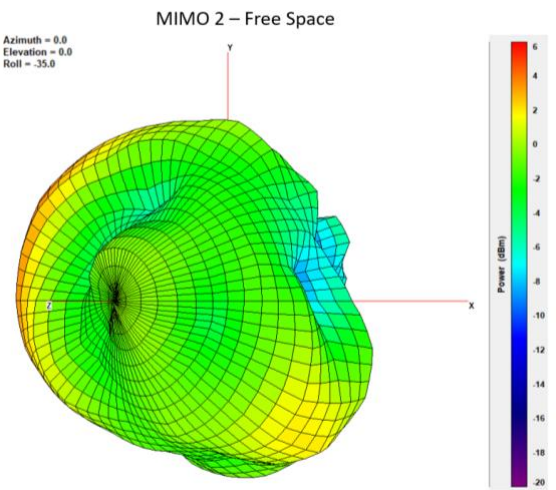
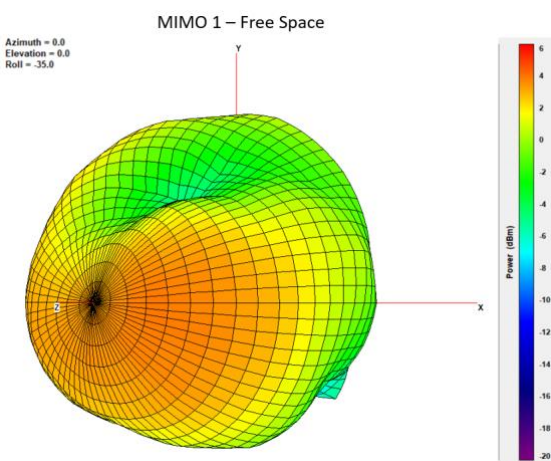
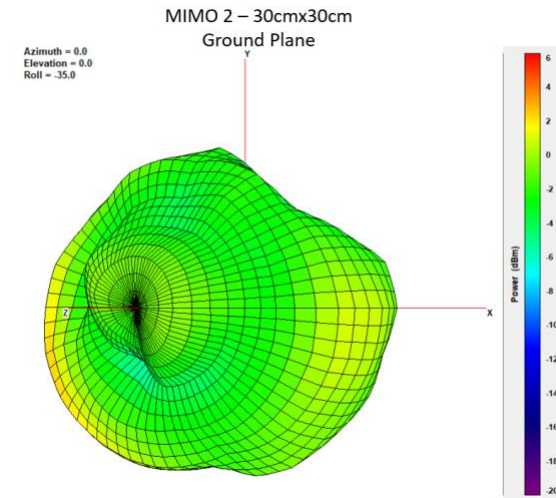
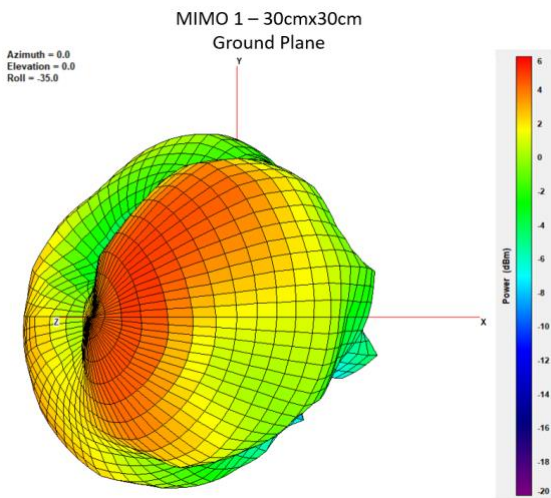
# 2500MHz



XY Plane
XZ Plane
YZ Plane



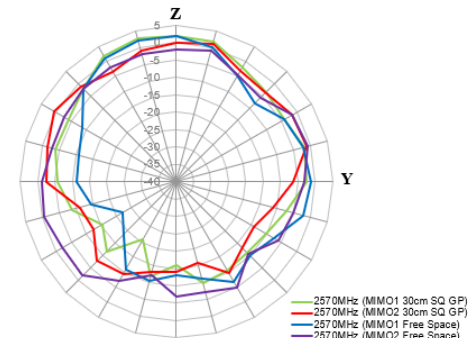
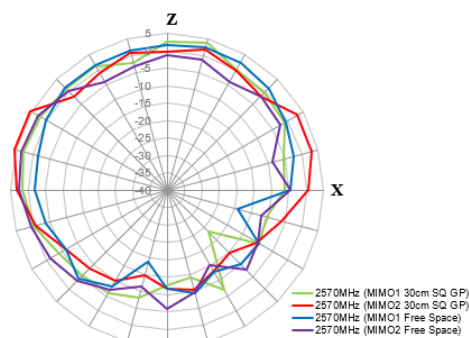
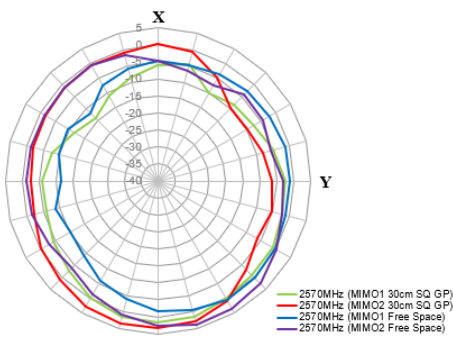
# 2570MHz



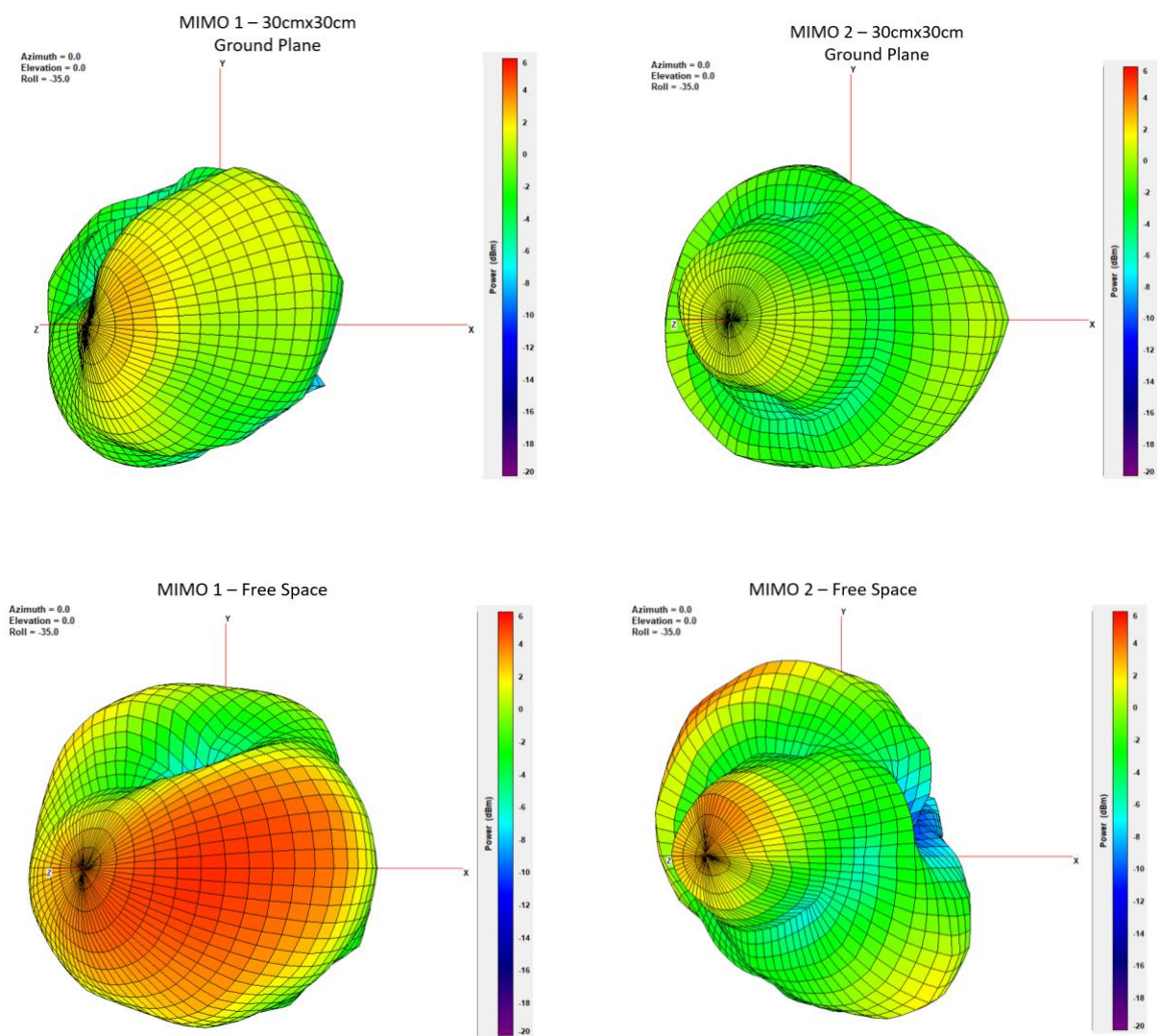
## XY Plane

## XZ Plane

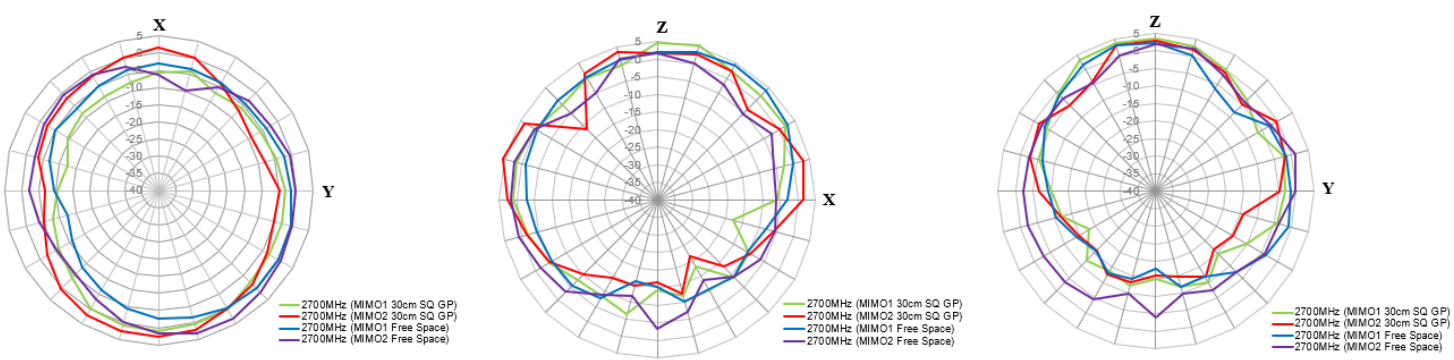
## YZ Plane



# 2700MHz



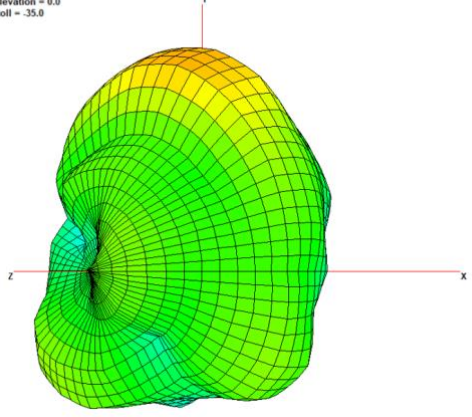
XY Plane
XZ Plane
YZ Plane



# 3200MHz

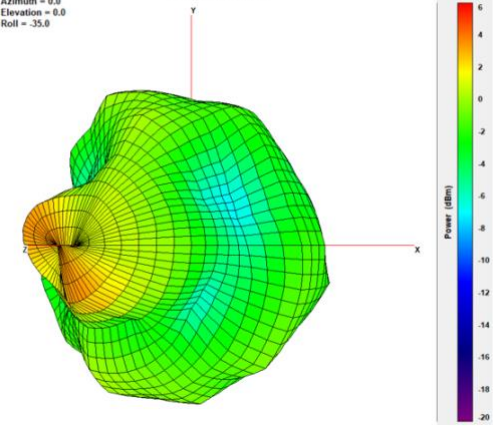
MIMO 1 – 30cmx30cm  
Ground Plane

Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



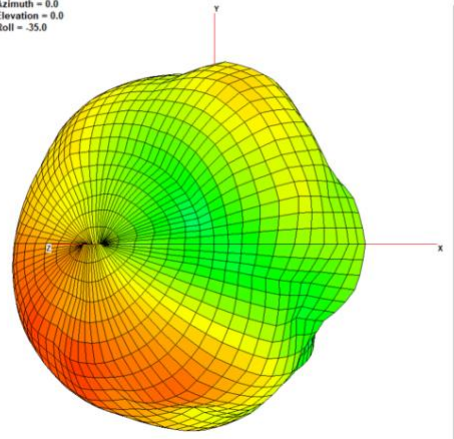
MIMO 2 – 30cmx30cm  
Ground Plane

Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



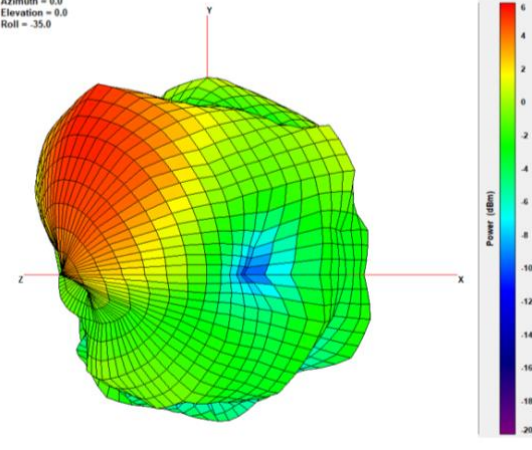
MIMO 1 – Free Space

Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



MIMO 2 – Free Space

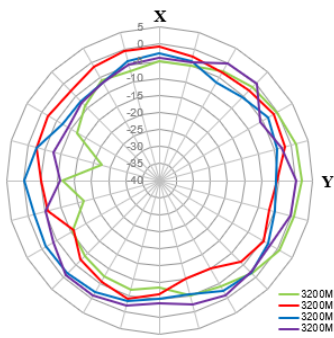
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



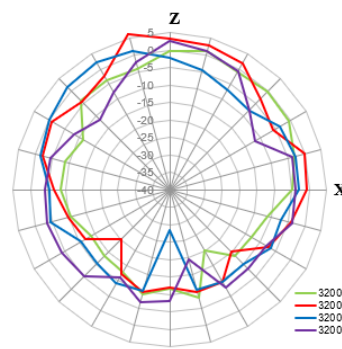
## XY Plane

## XZ Plane

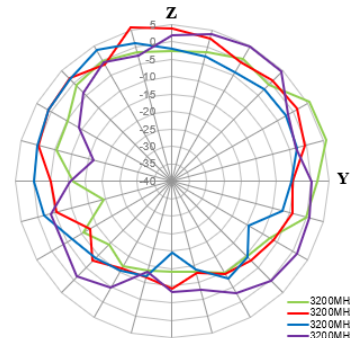
## YZ Plane



— 3200MHz (MIMO1 30cm SQ GP)  
— 3200MHz (MIMO2 30cm SQ GP)  
— 3200MHz (MIMO1 Free Space)  
— 3200MHz (MIMO2 Free Space)

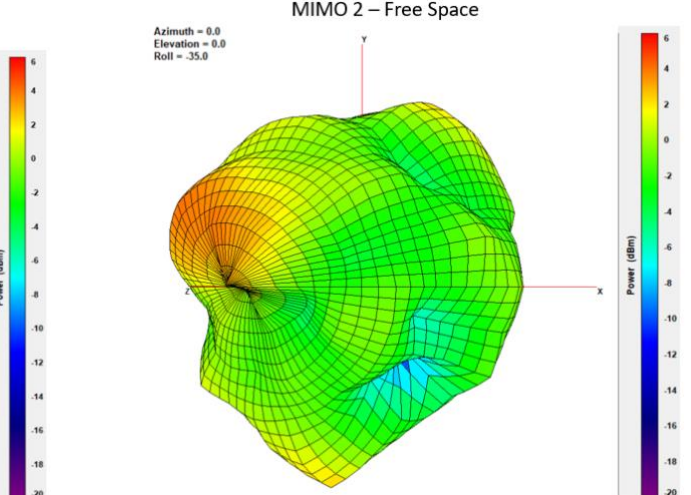
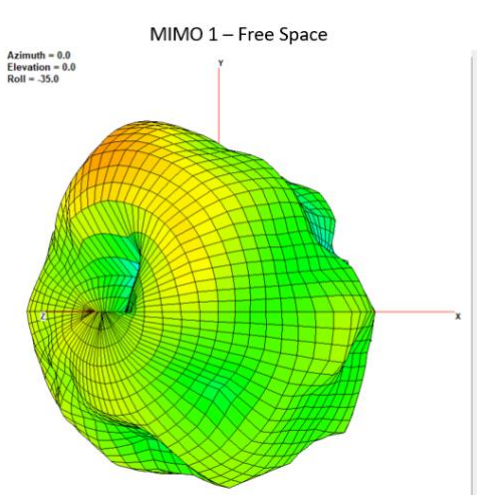
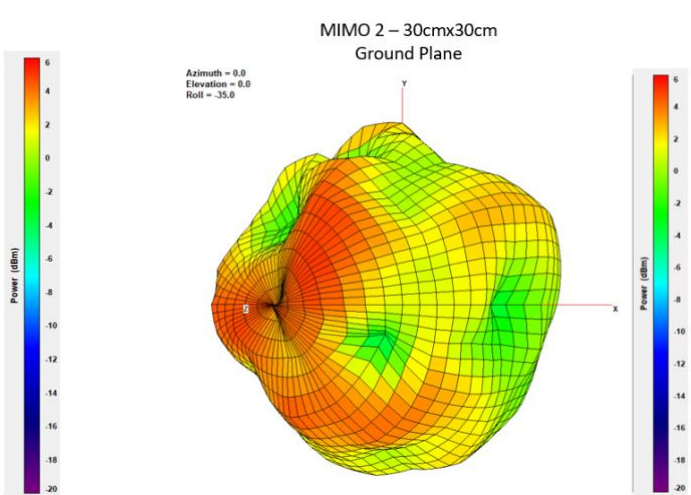
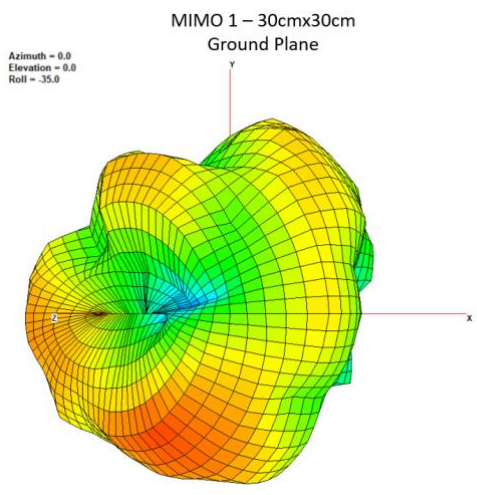


— 3200MHz (MIMO1 30cm SQ GP)  
— 3200MHz (MIMO2 30cm SQ GP)  
— 3200MHz (MIMO1 Free Space)  
— 3200MHz (MIMO2 Free Space)



— 3200MHz (MIMO1 30cm SQ GP)  
— 3200MHz (MIMO2 30cm SQ GP)  
— 3200MHz (MIMO1 Free Space)  
— 3200MHz (MIMO2 Free Space)

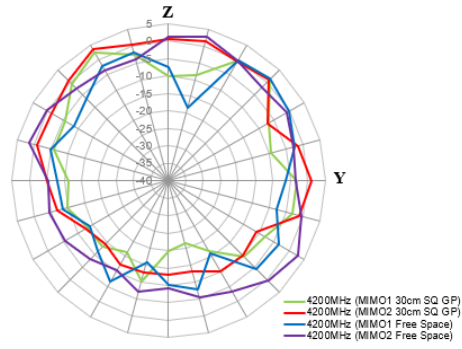
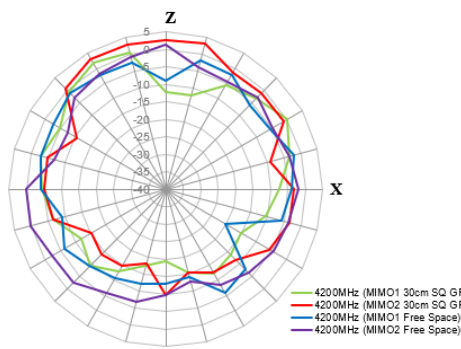
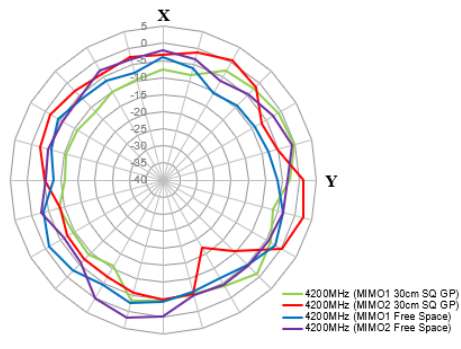
# 4200MHz



## XY Plane

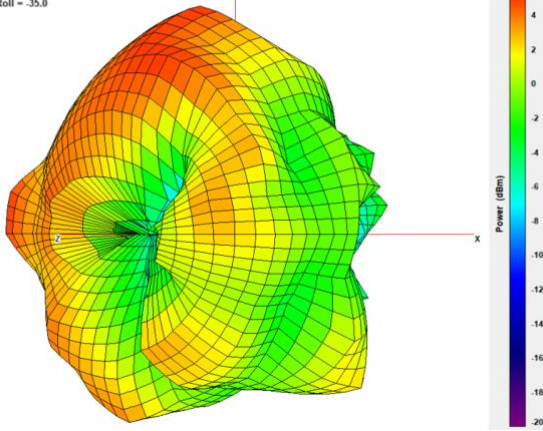
## XZ Plane

## YZ Plane

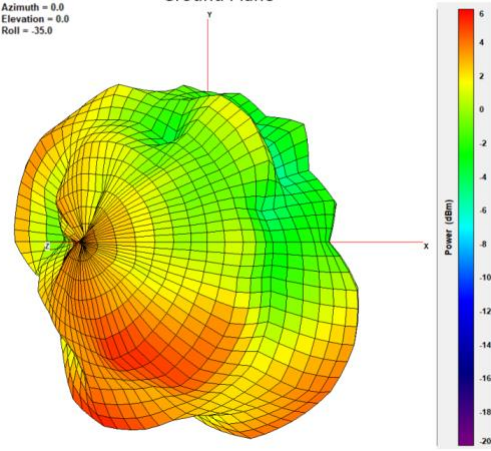


# 5150MHz

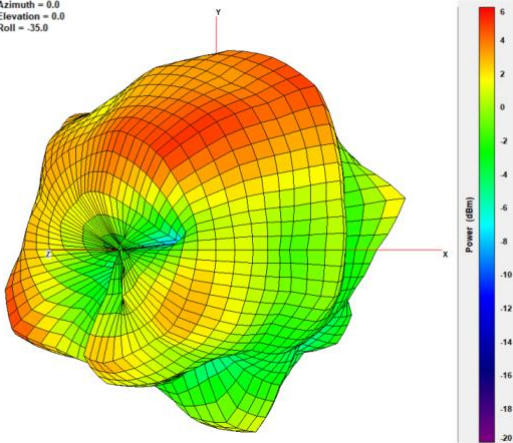
**MIMO 1 – 30cmx30cm  
Ground Plane**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



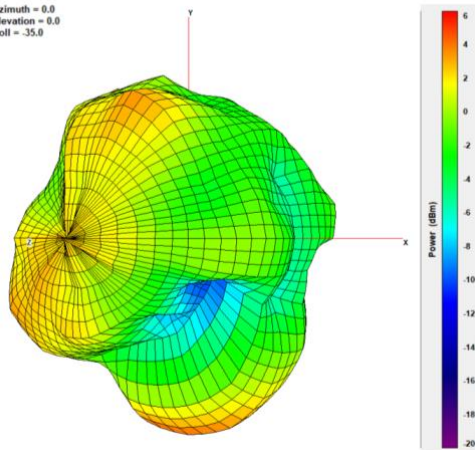
**MIMO 2 – 30cmx30cm  
Ground Plane**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



**MIMO 1 – Free Space**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



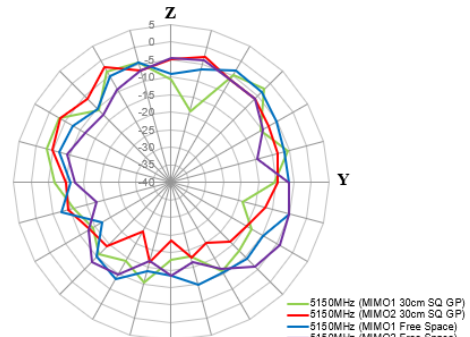
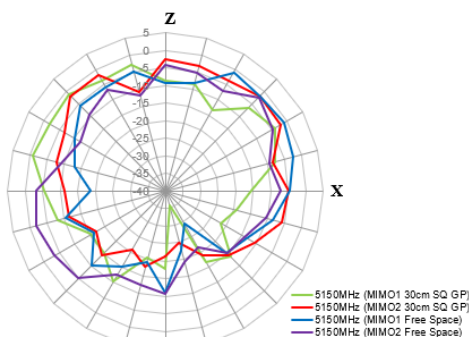
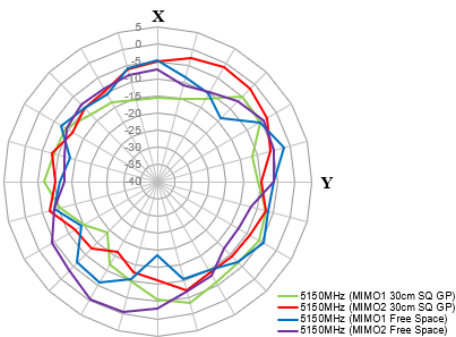
**MIMO 2 – Free Space**  
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



## XY Plane

## XZ Plane

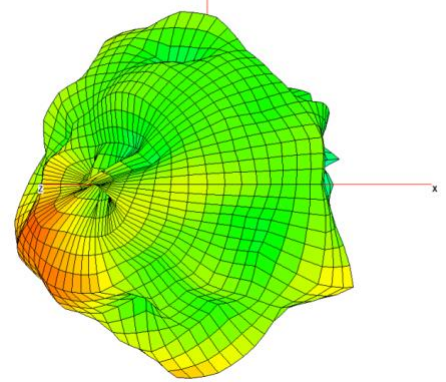
## YZ Plane



# 5550MHz

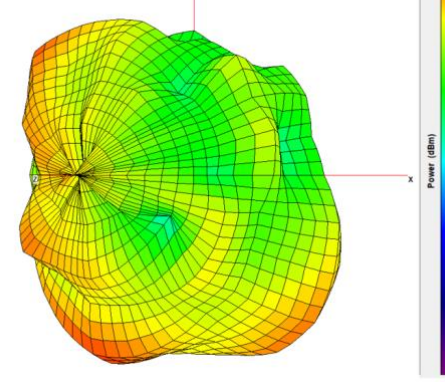
**MIMO 1 – 30cmx30cm  
Ground Plane**

Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



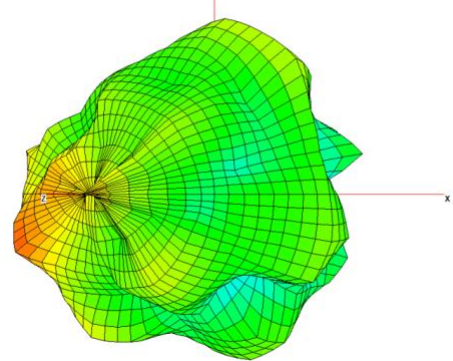
**MIMO 2 – 30cmx30cm  
Ground Plane**

Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



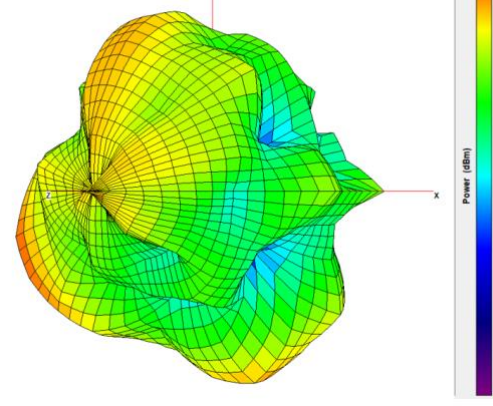
**MIMO 1 – Free Space**

Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



**MIMO 2 – Free Space**

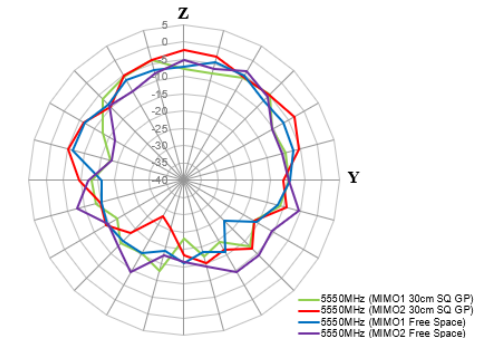
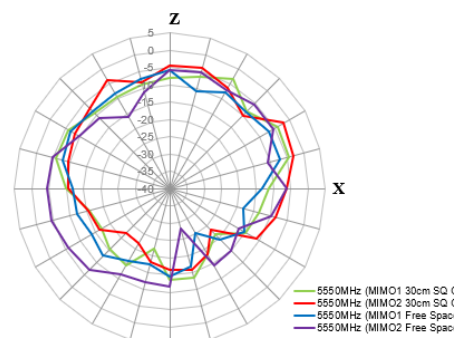
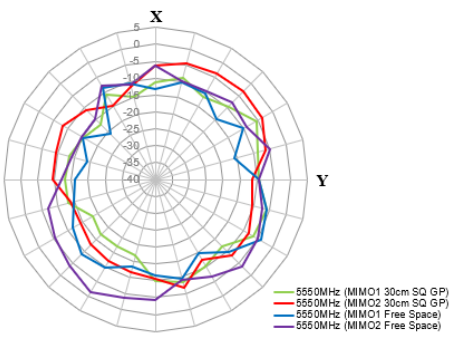
Azimuth = 0.0  
Elevation = 0.0  
Roll = -35.0



XY Plane

XZ Plane

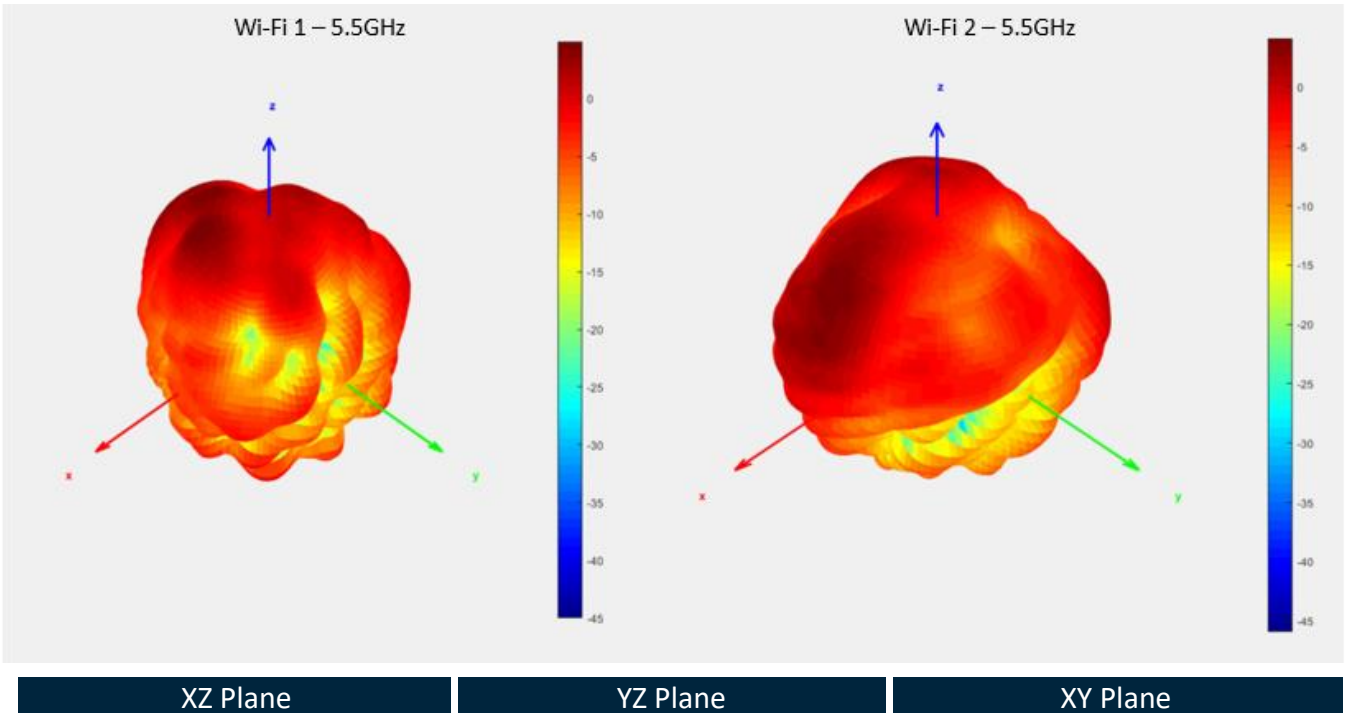
YZ Plane



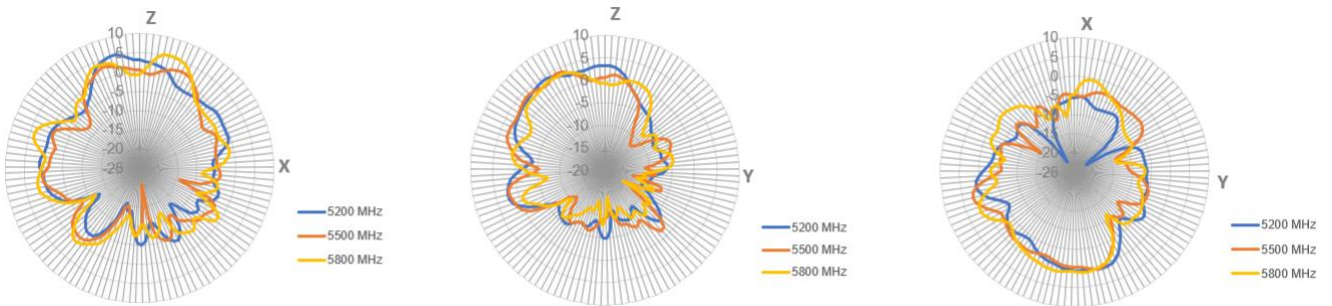




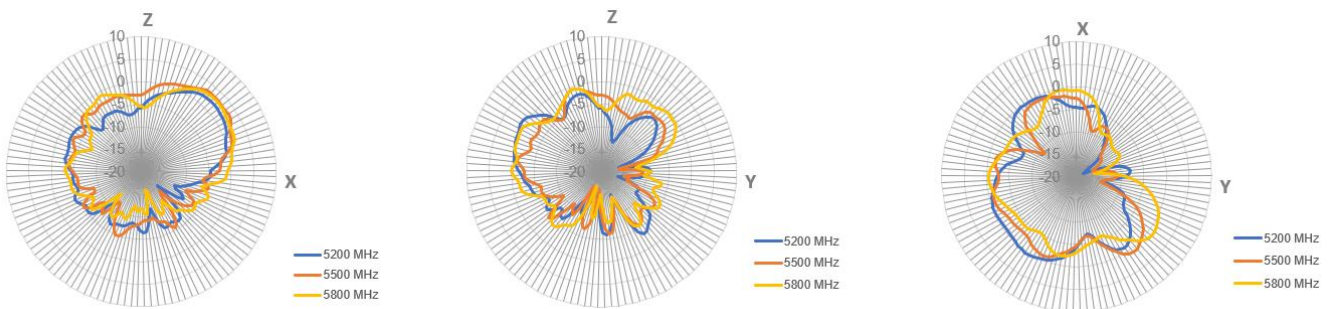
5.5GHz



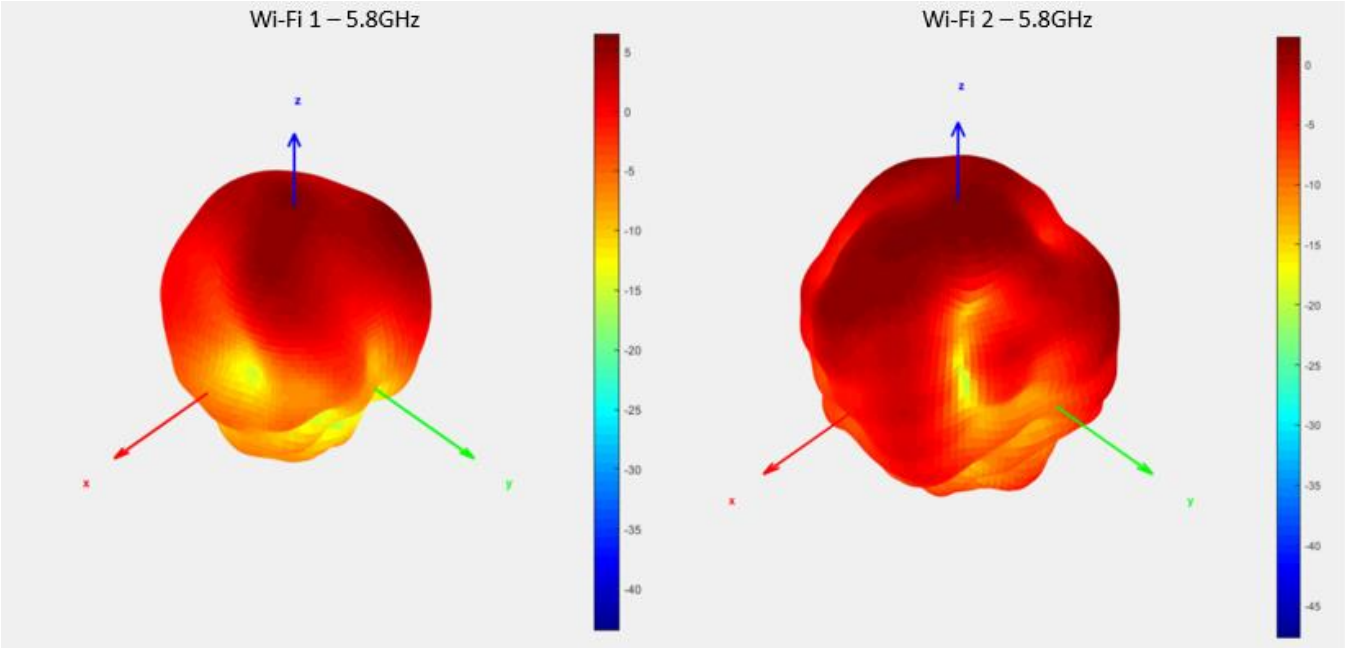
Wi-Fi 1



Wi-Fi 2



5.8GHz

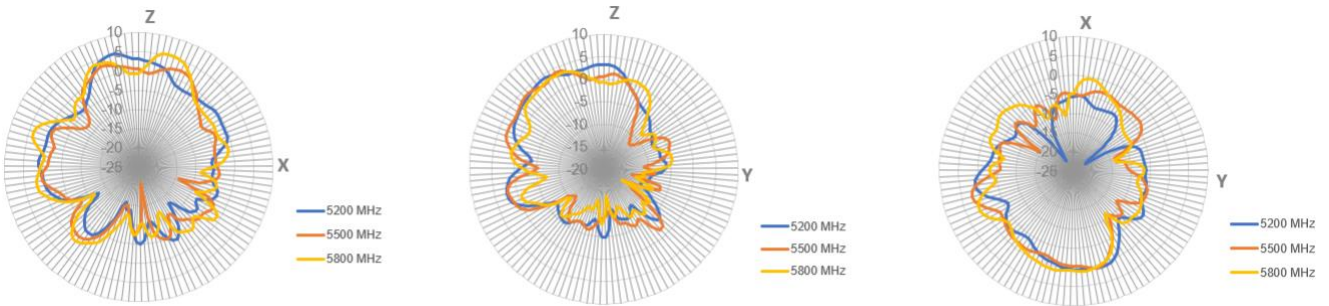


XZ Plane

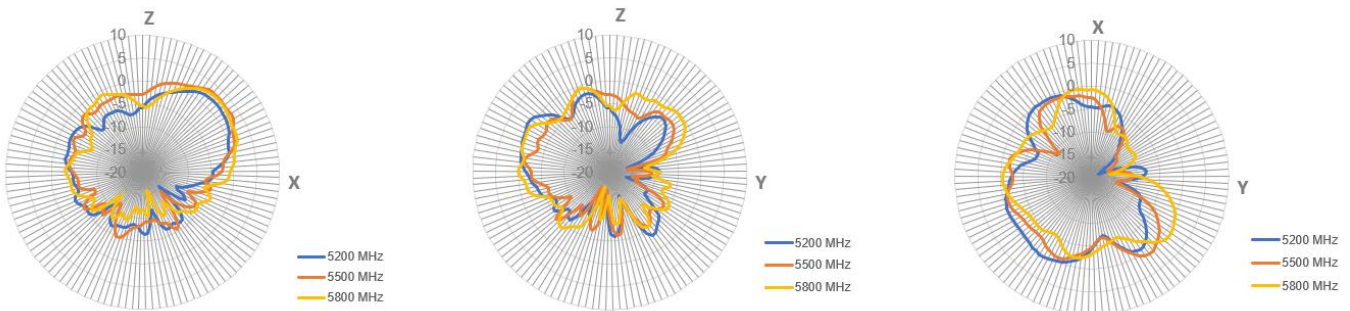
YZ Plane

XY Plane

Wi-Fi 1



Wi-Fi 2



# 5. Mechanical Drawing

6	5	4	3	2	1		
ISO NO: EDW-18-8-1376		REV	ZONE	DESCRIPTION	ENG	APPROVED	ISSUED DATE
<Release>		Δ	ALL	Initial Design	Eva	Paul	2018/10/30

**Bottom Thread View**

Cable Outlet

UNLESS OTHERWISE SPECIFIED TOLERANCES ON:

.X± 0.2

XX± 0.5 .XX± 0.1

X± 0.3 .XXX± 0.05

DATE: 2014/06/23

UNIT: mm

THIRD ANGLE PROJECTION

APPROVED BY: Wayne

CHECKED BY: Aine

DRAWN BY: Sandy

MAT'L:

FINISH:

SCALE: 1/2

REV

**TAOGLAS** TW Design Centre

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**Partheon 4in1 Screwmount Antenna**

2.4/5 GHz MIMO 1	3M CFD-200 RP-SMA(M)
2.4/5 GHz MIMO 2	3M CFD-200 RP-SMA(M)
2G/3G/4G MIMO 1	3M CFD-200 SMA(M) ST
2G/3G/4G MIMO 2	3M CFD-200 SMA(M) ST

TITLE. :

PART NO. : MA761.B.BICG.003

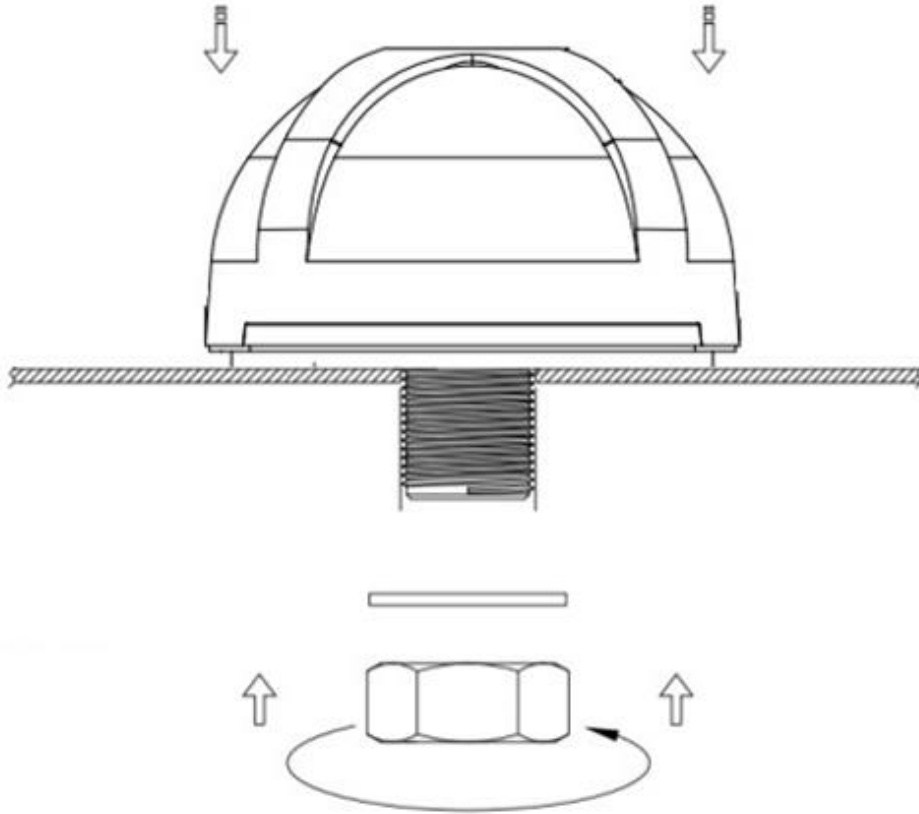
  

Name	P/N	Material	Finish	QTY
1 Housing	000111000015A	ABS+PC	Black	1
2 Waterproof Rubber	000711F000015A	Silicone Rubber	Black	1
3 Adhesive Foam(Black Foam)	001011F030015A	3M 9448HK+CR4305	White Liner	1
4 Washer M30	000411F010015A	Steel	Ni Plated	1
5 M30 Nut	000411F000015A	Steel	Ni Plated	1
6 M30x2P Thread 32L	000311F000015A	Zinc Alloy	Ni Plated	1
7 Rubber Stopper	000711F010015A	Silicone Rubber	Black	1
8 2.4/5.8 GHz MIMO1 Label	001016C040000A	PEPA	Yellow Black	1
9 2.4/5.8 GHz MIMO2 Label	001016C050000A	PEPA	Red	1
10 2G/3G/4G MIMO1	001012L080015A	PEPA	Gray	1
11 2G/3G/4G MIMO2	001012L090015A	PEPA	White	1
12 Heat Shrink Tube	001315C030000A	PE	Black	4
13 CFD200 Coaxial Cable	301415C010000A	PE	Black	4
14 RP-SMA(M)ST	200212F000015A	Brass	Au Plated	2
15 SMA(M)ST	200212G010015A	Brass	Au Plated	2
16 Barcode Label	001013G000015A	PEPA	White	1

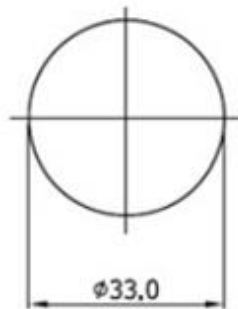
NOTES:	
1. Part Number: MA761.B.B305111.I305111.C305151.G305151	

## 6. Installation



**Recommended torque for mounting: 5-7Nm**

*(Torque value obtained with antenna mounted on 1mm thick SUS-316 bracket)*



**Recommended  
Mounting Hole**

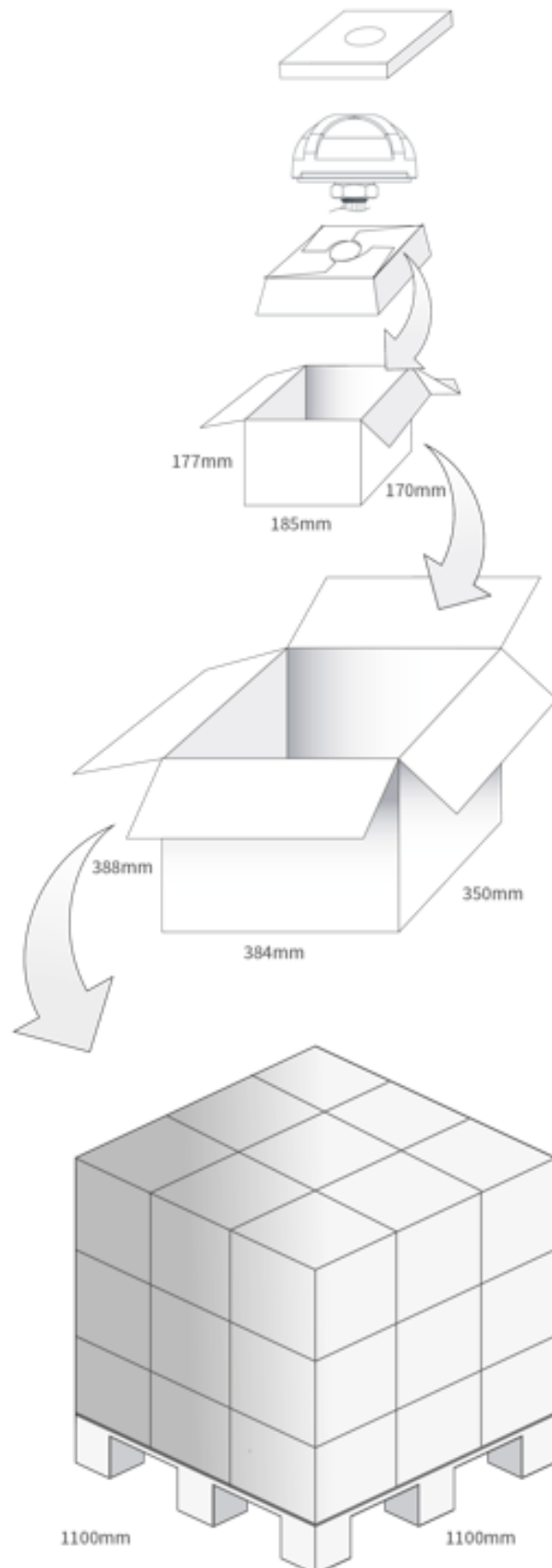
**Unit:mm**

## 7. Packaging

1pc MA761.B.BICG.003 per box  
 Box Dimensions – 185 x 170 x 177mm  
 Weight – 1.4Kg

8pcs MA761.B.BICG.003 per Carton  
 Carton Dimensions – 384 x 350 x 388mm  
 Weight – 11.2Kg

32 Cartons per pallet  
 Pallet Dimensions – 1100 x 1100mm



Changelog for the datasheet

**SPE-14-8-076 - MA761.B.BICG.003**

**Revision: C (Current Version)**

Date:	2021-11-11
Changes:	Rebranded as 5G, updated datasheet template to new template & updated recommended torque for mounting.
Changes Made by:	Gary West

**Previous Revisions**

**Revision: B**

Date:	2017-04-06
Changes:	Added LTE Band Table
Changes Made by:	Peter Monahan

**Revision: A (Original First Release)**

Date:	2014-07-29
Notes:	
Author:	WY



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