

# Outdoor Omni 4.3G Antenna

## MODEL: TH-4300

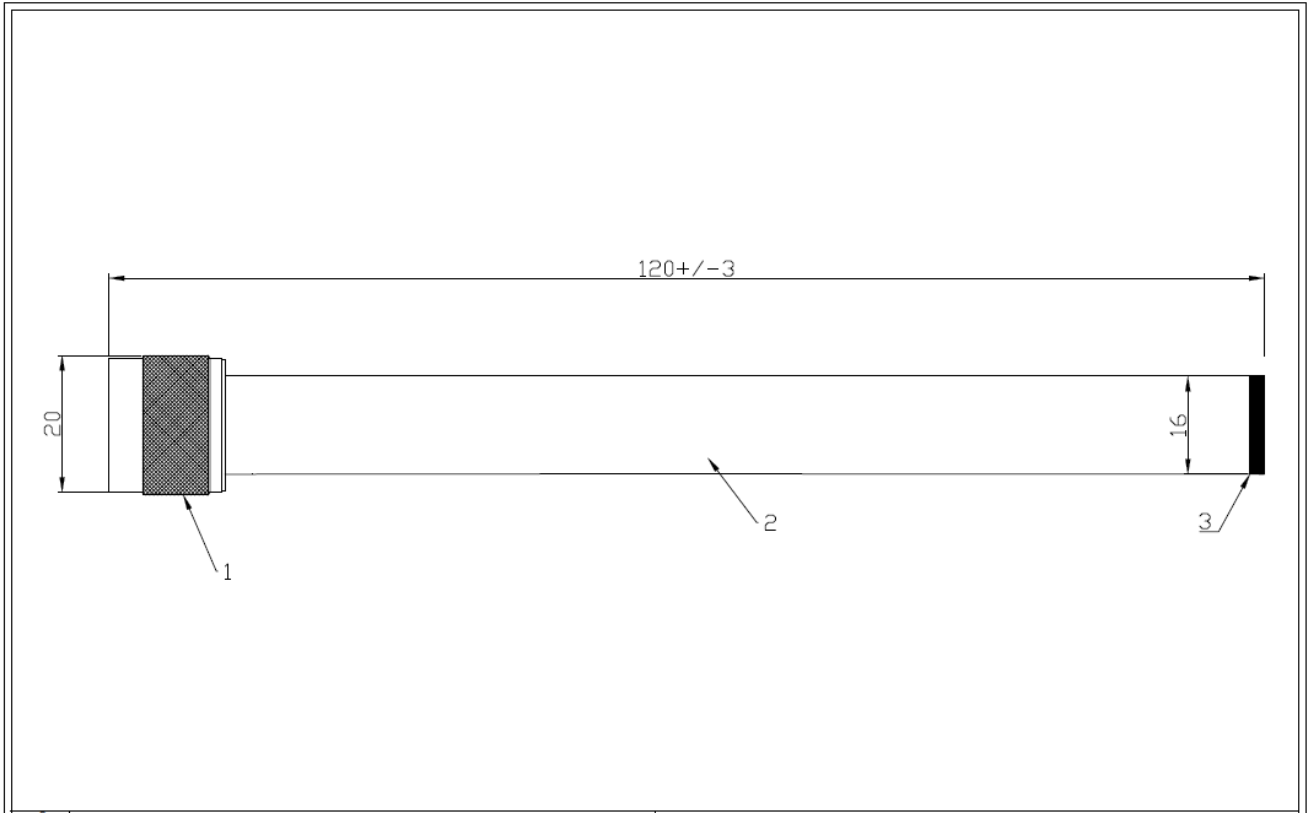


### 1. Electrica Properties

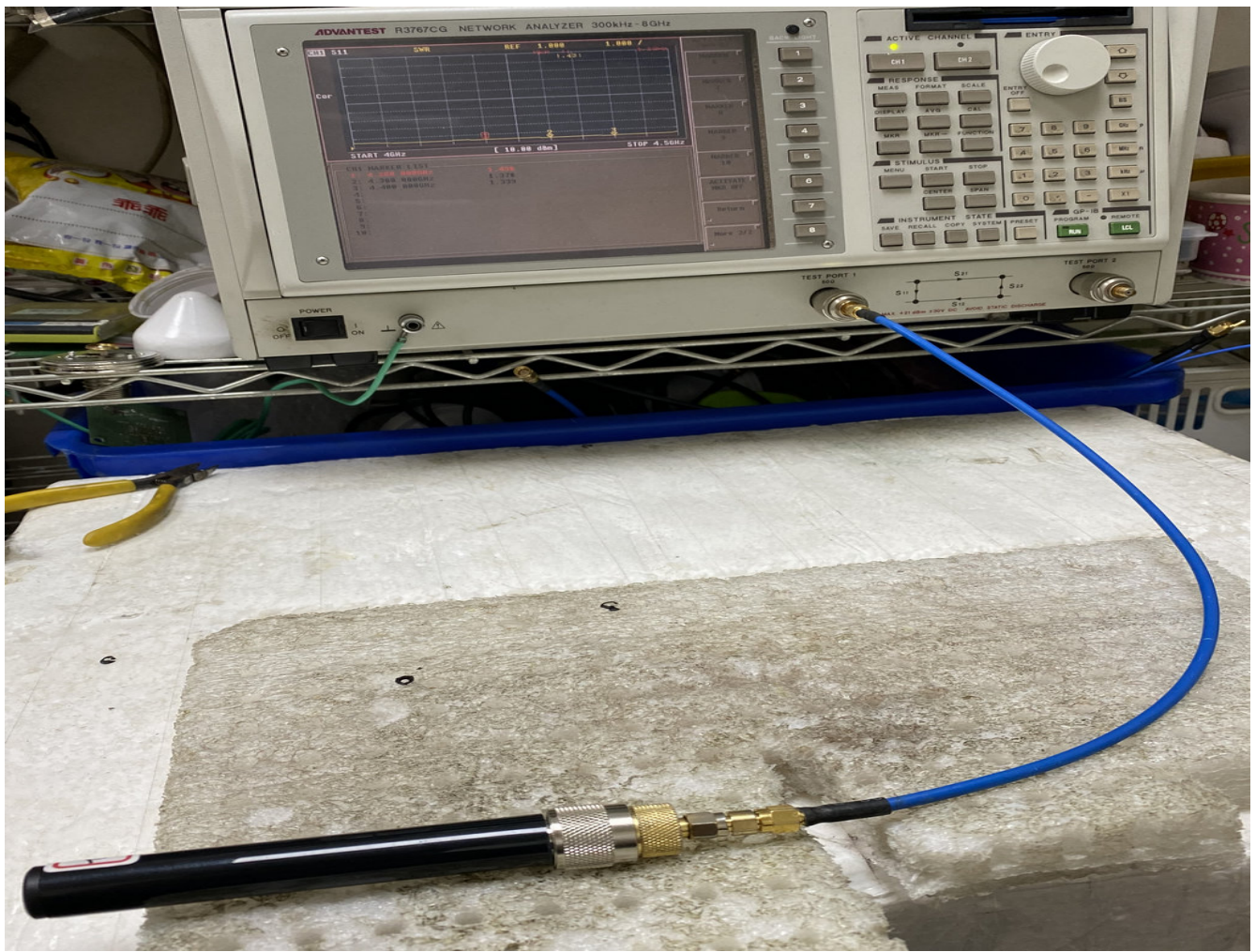
Parameter	Description
Frequency Band	4200-4500Mhz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0:1
Antenna Peak Gain	2~5 DBI

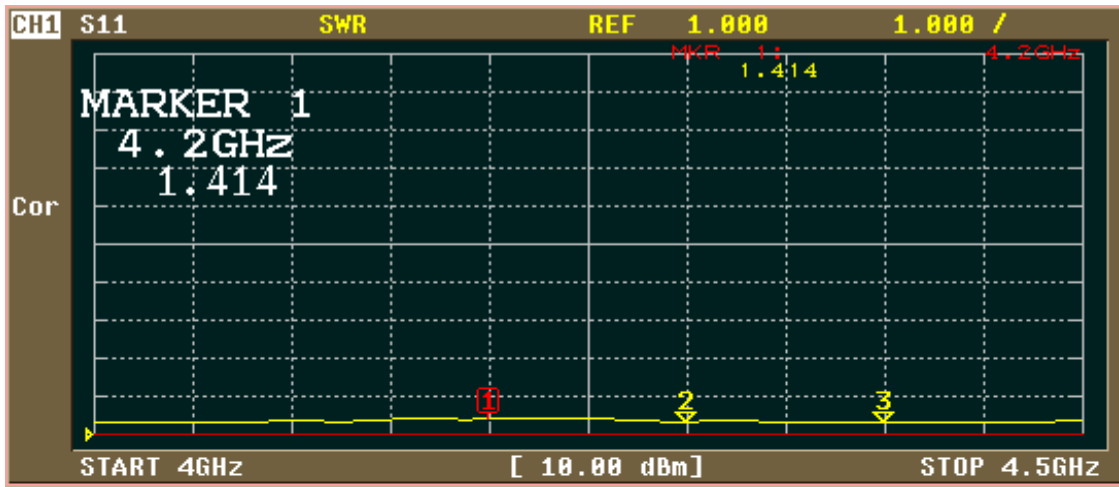
### 2. Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Connector Type	N(M)
Antenna Dimensions	120 mm $\pm$ 3
Antenna Color	ASA-UV-Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7



6					百展科技有限公司		TEL: 886-2-86720160	
5					BJTEK NAVIGATION INC		FAX: 886-2-86720161	
4					TITLE: 4.2-4.5G Antenna		DWG NO.: TH-4300-N(M)	
3	ASA Black cap				TOLERANCE: AS SPEC.		DATE: 2021.06.18	
2	ASA Black tube				FINISH: SEE TABLE		UNIT: MM	
1	NCM Connector				MATERIAL: SEE TABLE		ISSUED: BILL	
ITEM	DESCRIPTION	MAT'L	FINISH	ITEM No.			DRAWN: ALAN	CHECKED: LOUIS





ACTIVATE MARKER

MARKER 6

MARKER 7

MARKER 8

MARKER 9

MARKER 10

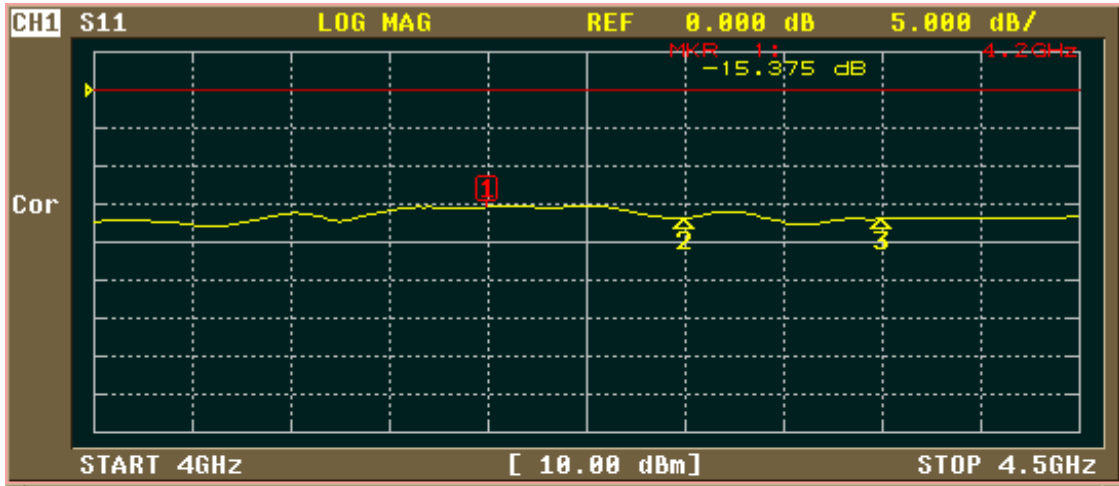
ACTIVATE MKR OFF

Return

More 2/2

CH1 MARKER LIST

1:	4.200 000GHz	1.414
2:	4.300 000GHz	1.326
3:	4.400 000GHz	1.327
4:		
5:		
6:		
7:		
8:		
9:		
10:		



FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

SMITH (G+jB)

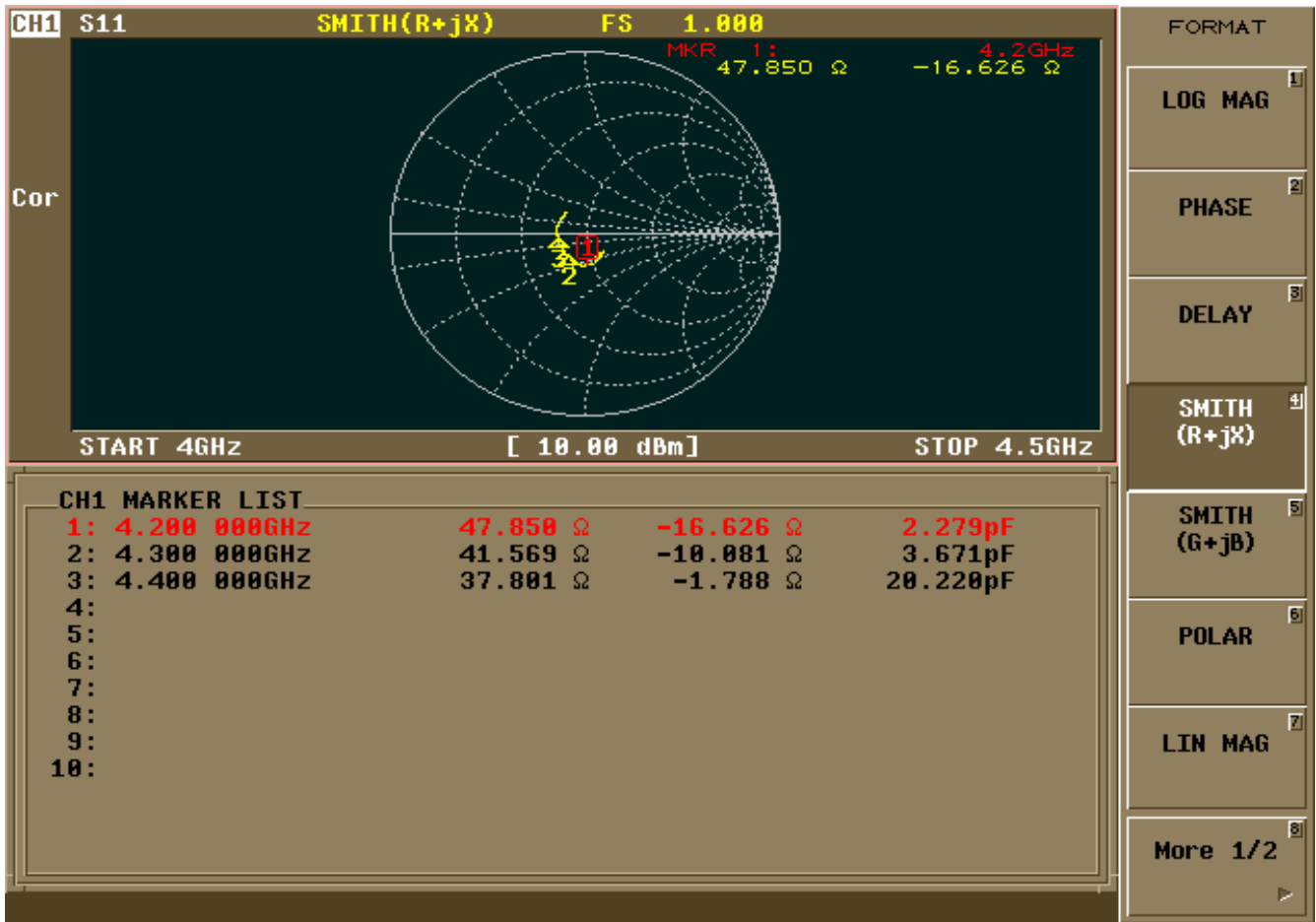
POLAR

LIN MAG

More 1/2

CH1 MARKER LIST

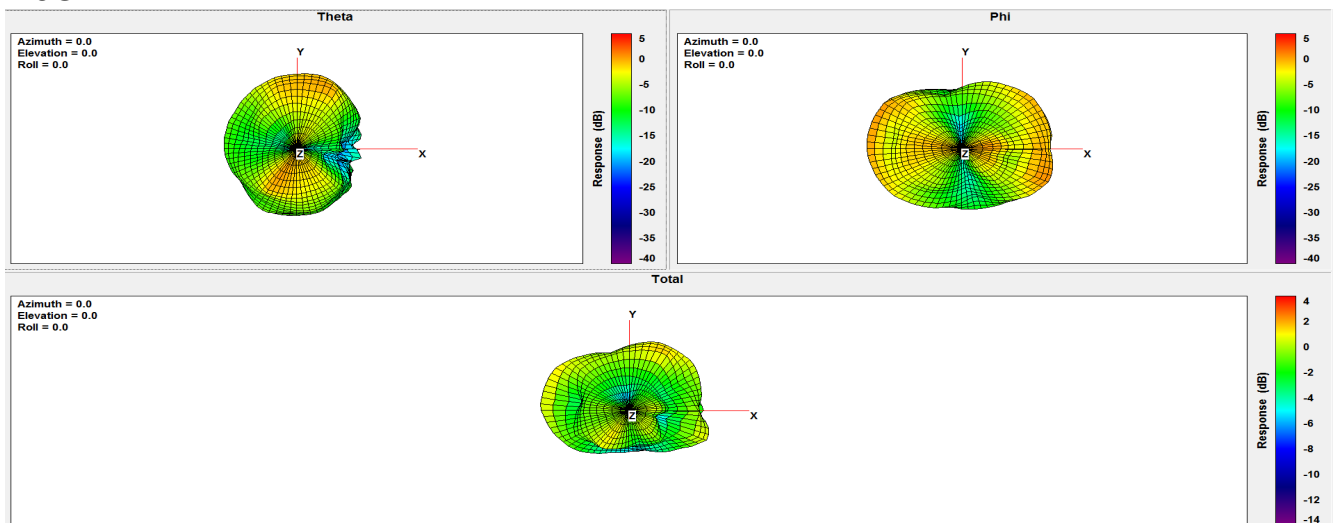
1:	4.200 000GHz	-15.375 dB
2:	4.300 000GHz	-16.887 dB
3:	4.400 000GHz	-16.923 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		



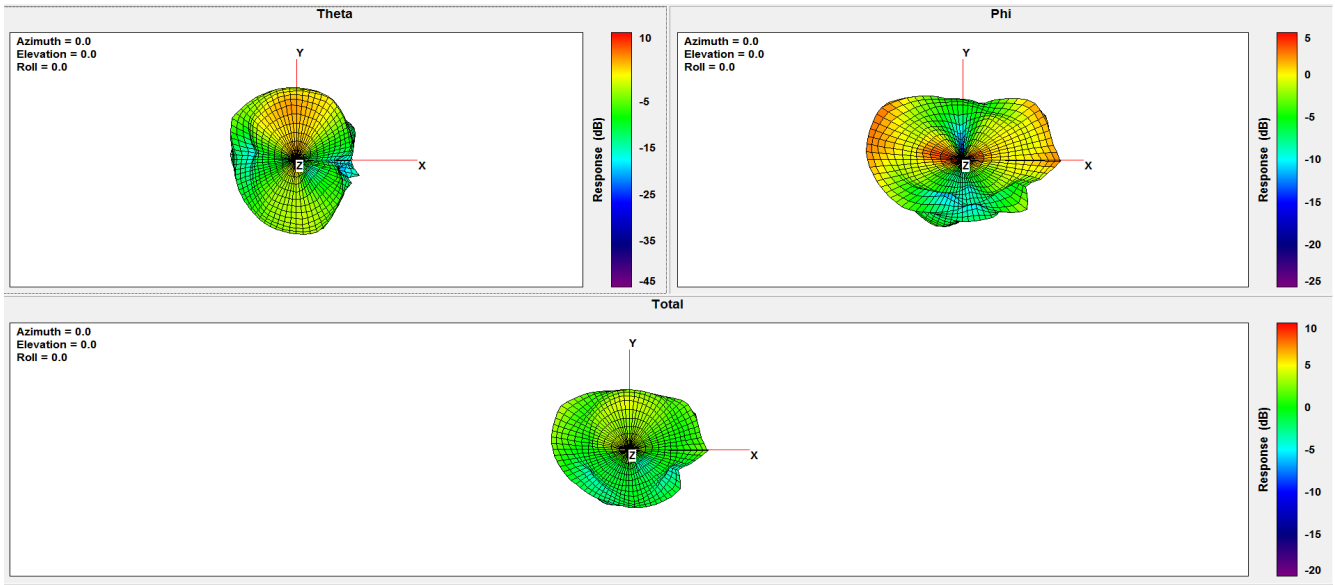
Test result:

Frequency (MHz)	4000	4200	4300	4500						
Peak Gain (dBi)	4.68	5.11	5.09	5.30						
Efficiency (%)	67.36	72.69	77.45	72.67						

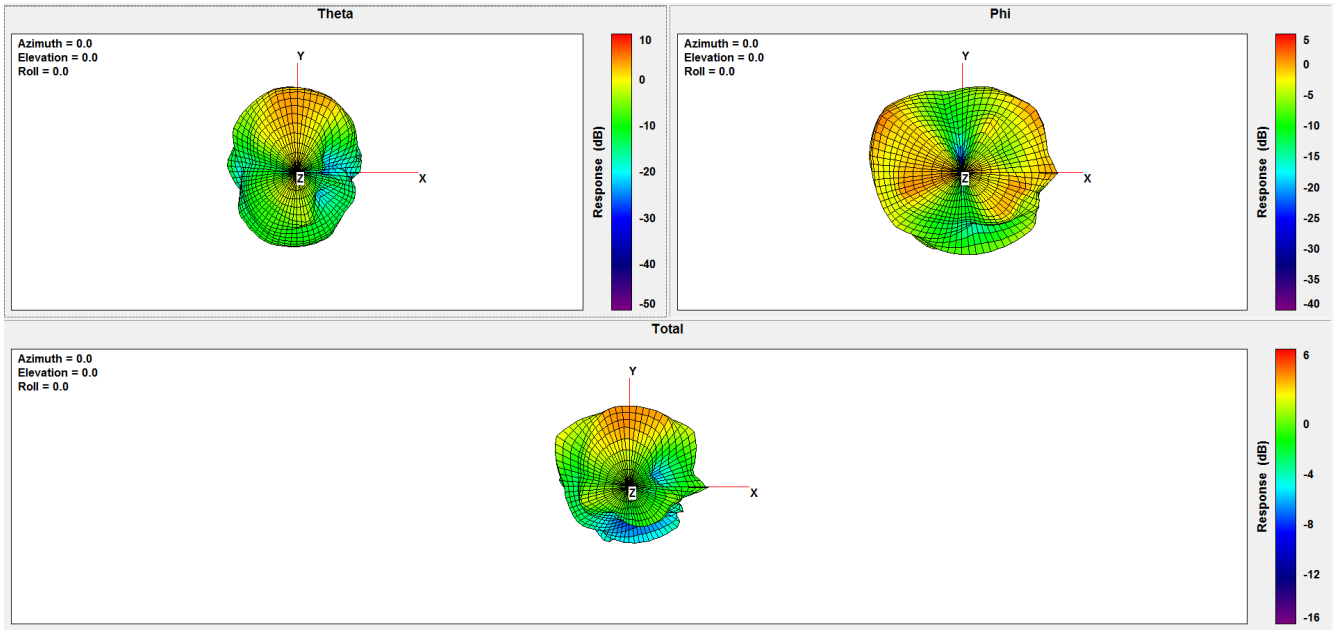
4.0G:



### 4.2G:



### 4.3G:



### 4.5G:

