Antenne 2×[4G-LTE 3G/2G LPWA] magnétique omnidirectionnelle | 0.7 à 4.5dBi

Référence GC-6024Ma

Gain	0.7dBi à 4.5dBi
Connecteur	SMA (M)
Dimensions (mm)	80 x 76 x 13
T° de fonctionnement	-40°C à +85°C

CARACTÉRISTIQUES

Câble 1 : 2G, 3G, 4G

BANDE(S) (MHZ)	700/850/900	1700/1800/1900/2100	2600
FRÉQUENCE(S) (MHZ)	698-960	1710-2170	2500-2700
PERTE DE RETOUR (DB)	~ -10,0	~ -7,8	~ -9,7
VSWR	~ 2,2: 1	~ 2,6: 1	~ 2,1: 1
EFFICACITÉ (%)	~ 25,3	~ 20,2	~ 36,1
GAIN DE CRÊTE (DBI)	~ -0,7	~ 1,7	~ 4,4
GAIN MOYEN (DB)	~ -6,1	~ -7,1	~ -4,4
IMPÉDANCE (OHM)	50		
POLARISATION	Linéaire		
RAYONNEMENT	Omnidirectionnel		
PUISSANCE D'ENTRÉE MAX. (W)	25		
CONNECTEUR	SMA-Male Standard (autres connecteurs disponibles)		
LONGUEUR DE CÂBLE	300 cm standard (toute longueur de câble disponible)		
TYPE DE CÂBLE	DACAR302 Standard (autres câbles disponibles)		

Câble 2 : 2G, 3G, 4G

BANDE(S) (MHZ)	700/850/900	1700/1800/1900/2100	2600
FRÉQUENCE(S) (MHZ)	698-960	1710-2170	2500-2700
PERTE DE RETOUR (DB)	~ -9,9	~ -8,3	~ -9,1
VSWR	~ 2,5: 1	~ 2,5: 1	~ 2,2: 1
EFFICACITÉ (%)	~ 25,7	~ 22,5	~ 35,2
GAIN DE CRÊTE (DBI)	~ 0,8	~ 1,8	~ 4,5
GAIN MOYEN (DB)	~ -6,1	~ -6,6	~ -4,6
IMPÉDANCE (OHM)	50		
POLARISATION	Linéaire		
RAYONNEMENT	Omnidirectionnel		
PUISSANCE D'ENTRÉE MAX. (W)	25		
CONNECTEUR	SMA-Male Standard (autres connecteurs disponibles)		
LONGUEUR DE CÂBLE	300 cm standard (toute longueur de câble disponible)		
TYPE DE CÂBLE	DACAR302 Standard (autres câbles disponibles)		

Conditions de mesure d'antenne :

- Montée sur plaque métallique 30 x 30 x 0,25 cm
- 200 cm de câble DACAR302
- Mesurée en chambre anéchoïque certifiée CTIA 3D

SPÉCIFICATIONS

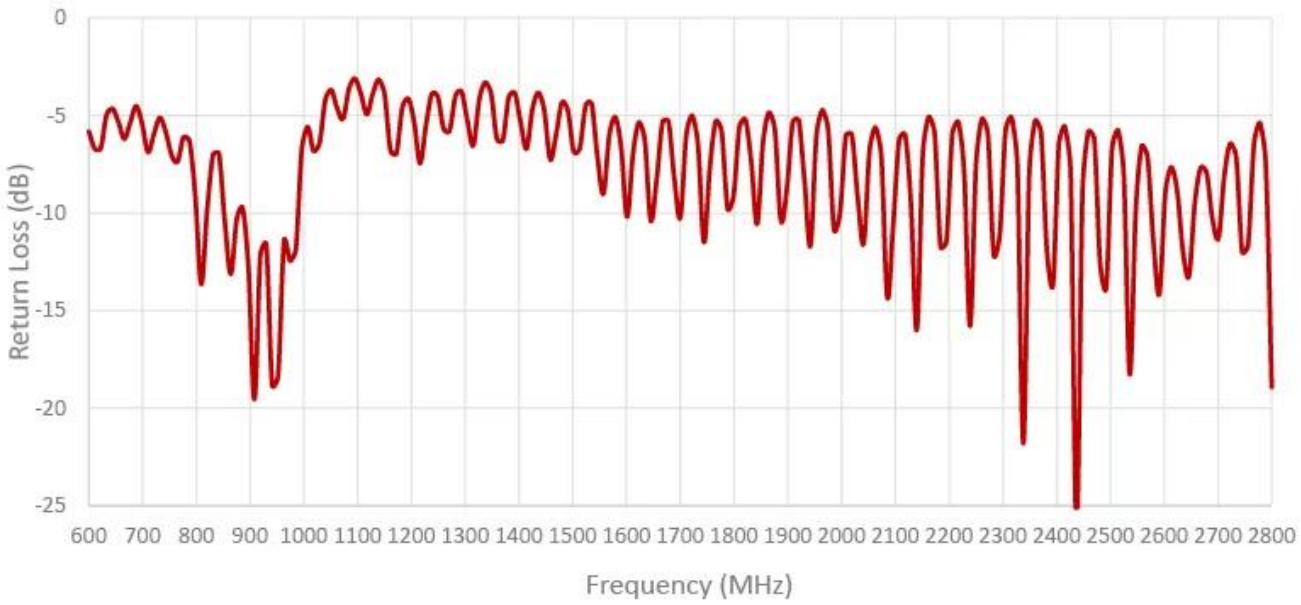
TYPE DE MONTAGE	Monture magnétique
DIMENSIONS (MM)	80 x 76 x 13
MATÉRIAU RADÔME	ABS stable aux UV
COULEUR	Noir
T° DE FONCTIONNEMENT (°C)	-40 à +85
T° DE STOCKAGE (°C)	-40 à +85
CERTIFICATION(S)	RoHS

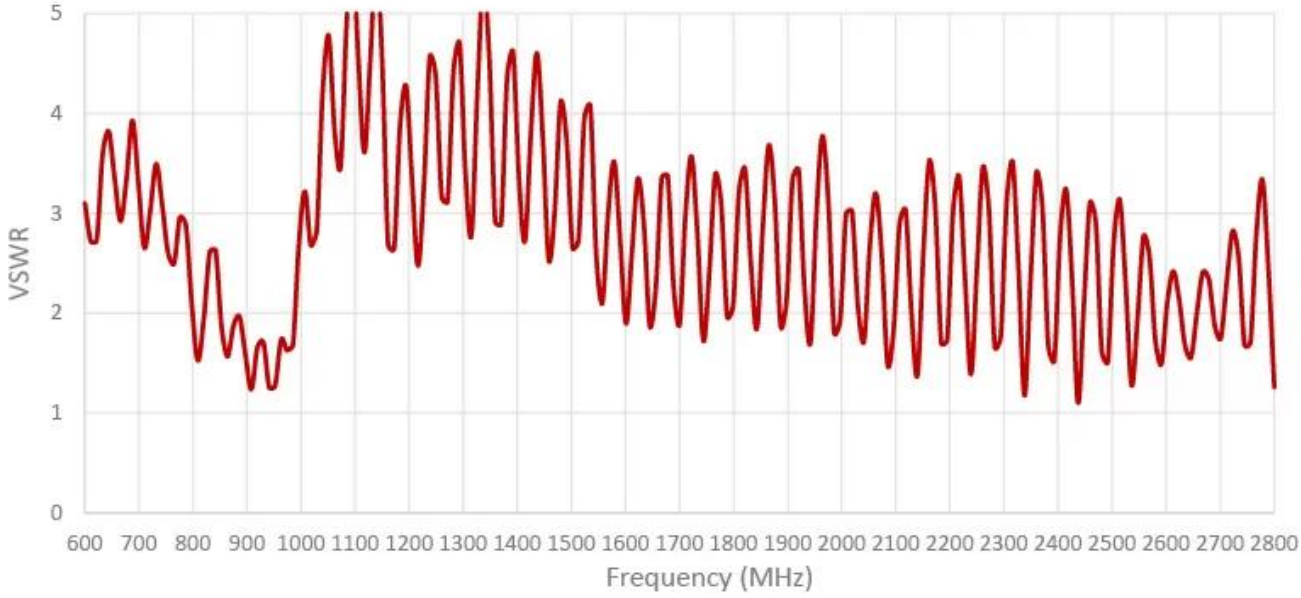
ENVIRONNEMENT

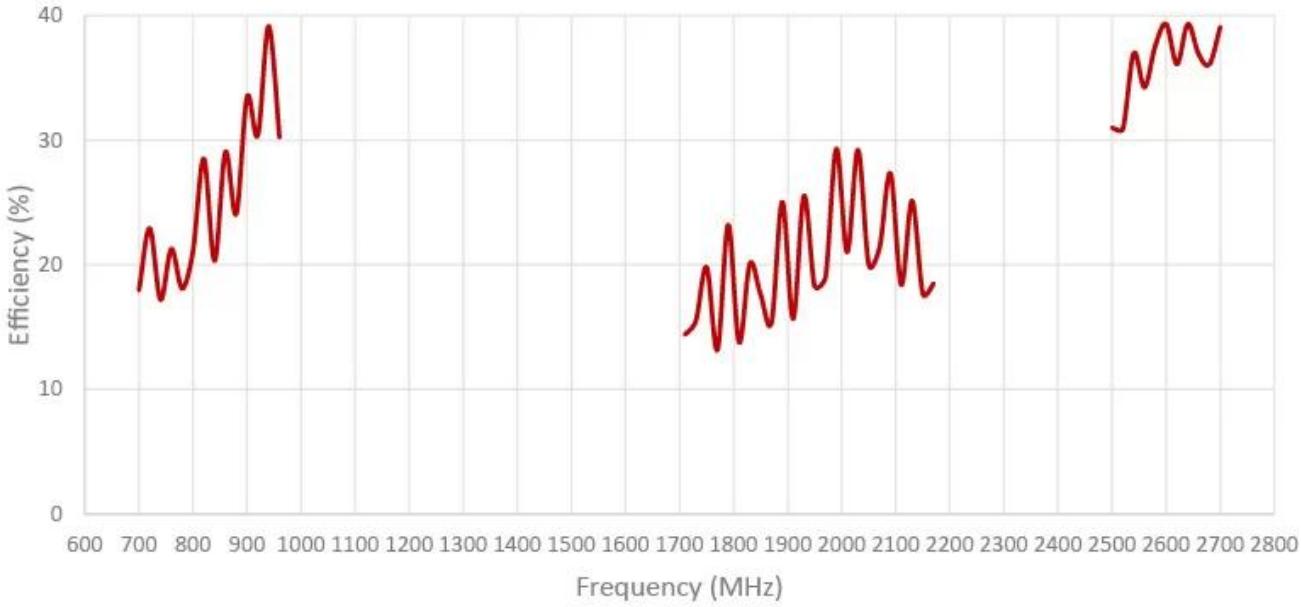
Cette gamme d'antenne est fabriquée sans matières dangereuses tout en maintenant une conformité totale avec **REACH et RoHS**.

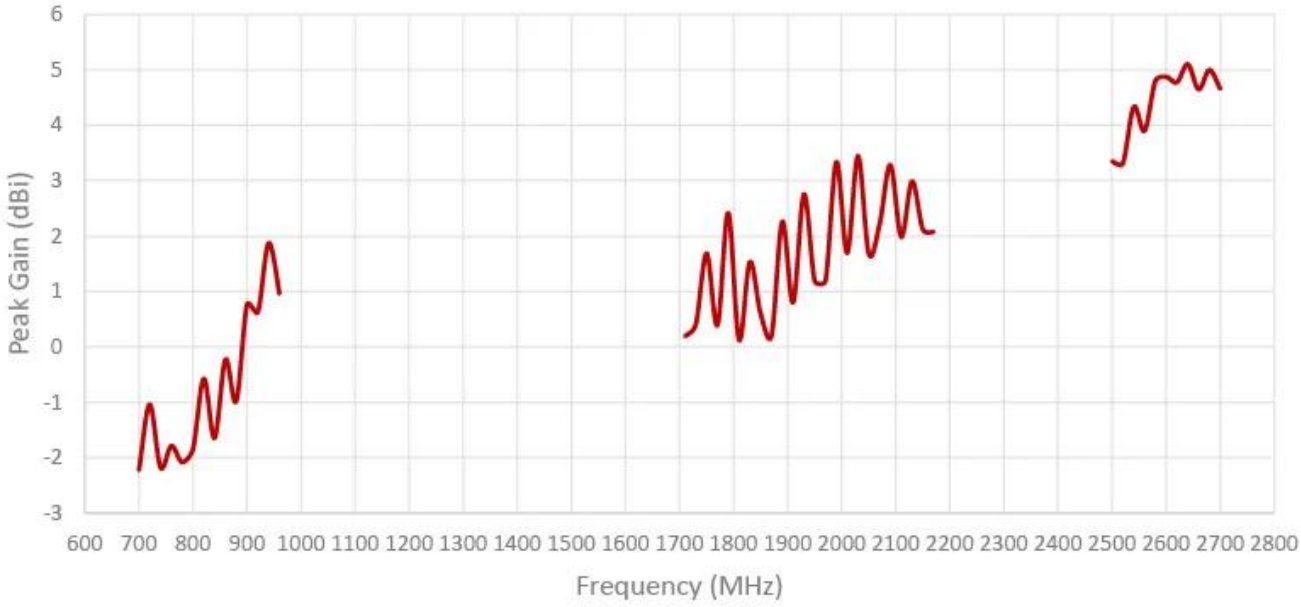
MESURES

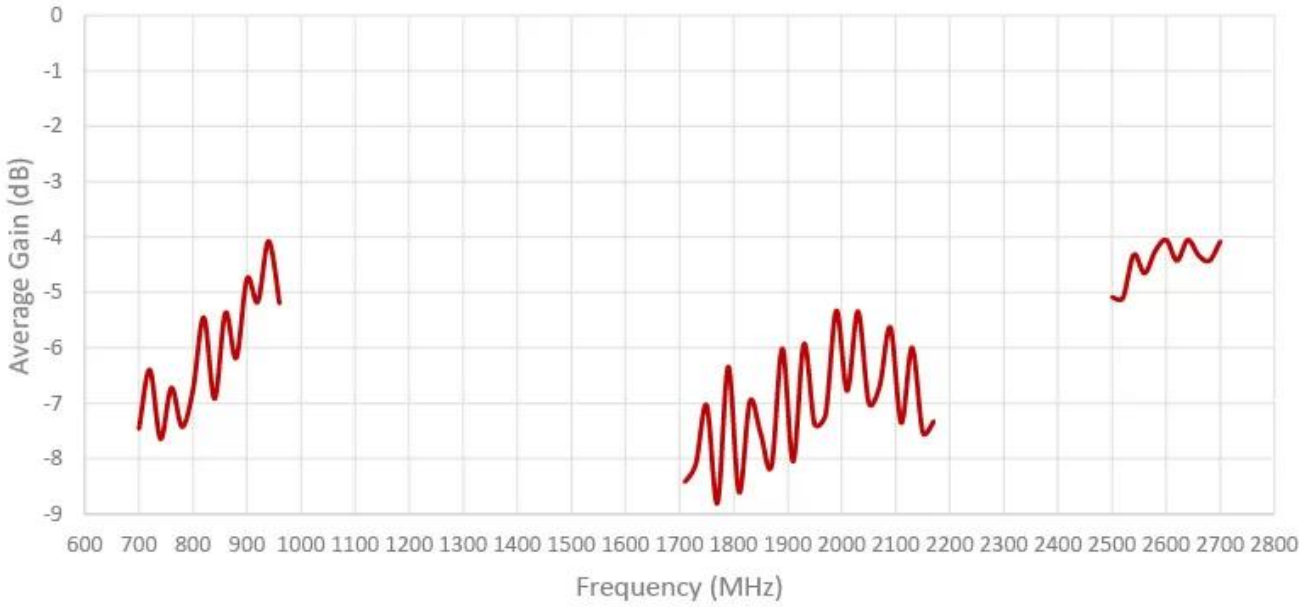
Câble 1 : 2G, 3G, 4G



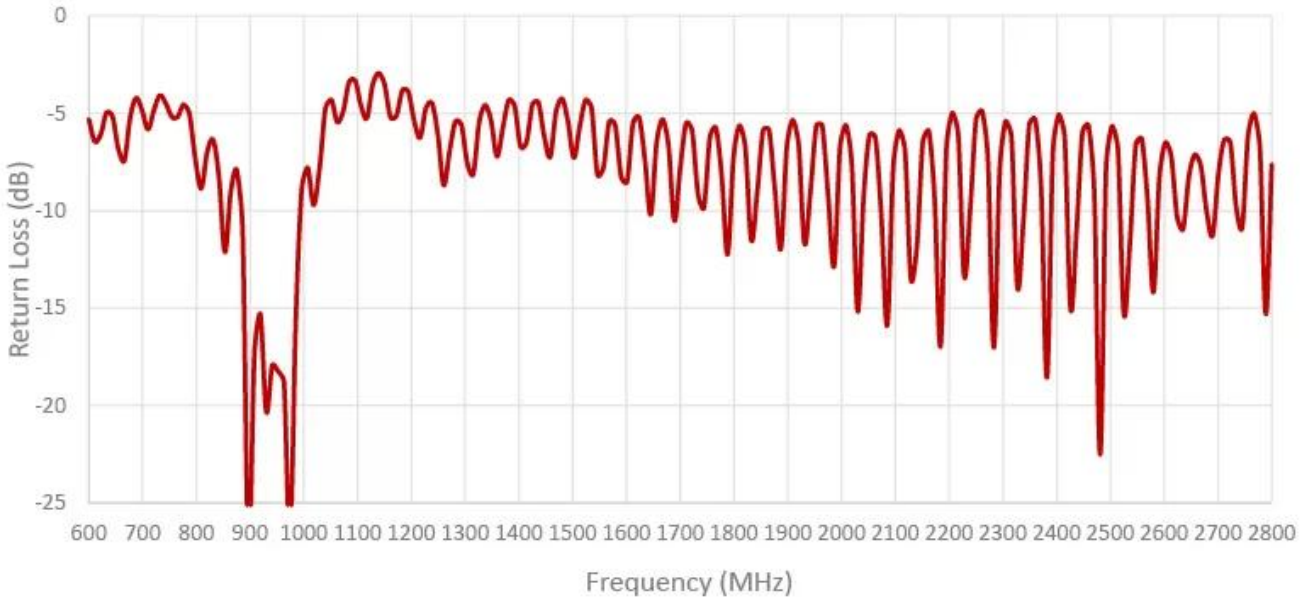


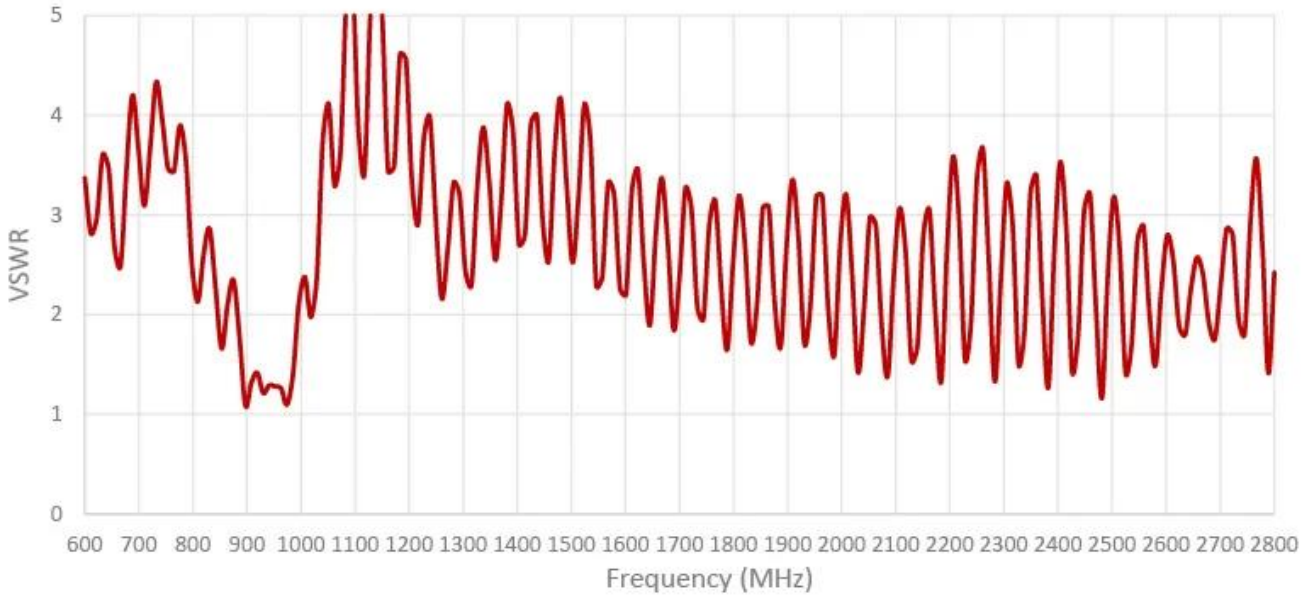

40
30
20
10
0
Efficiency (%)
600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800
Frequency (MHz)

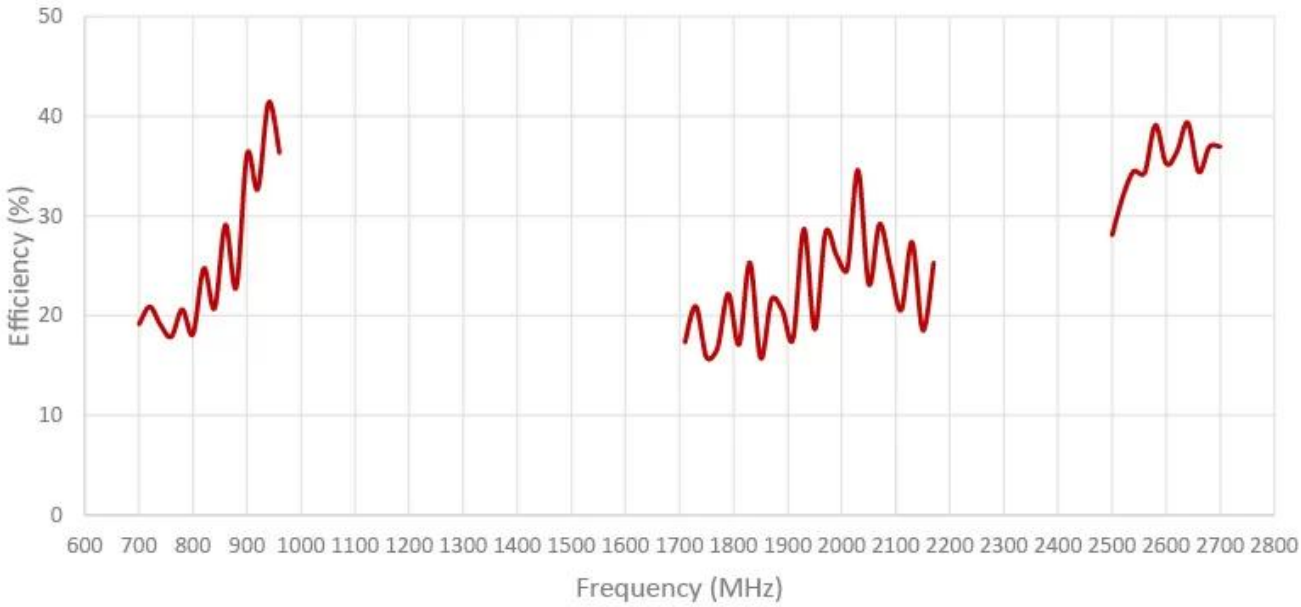

6
5
4
3
2
1
0
-1
-2
-3
Peak Gain (dBi)
600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800
Frequency (MHz)

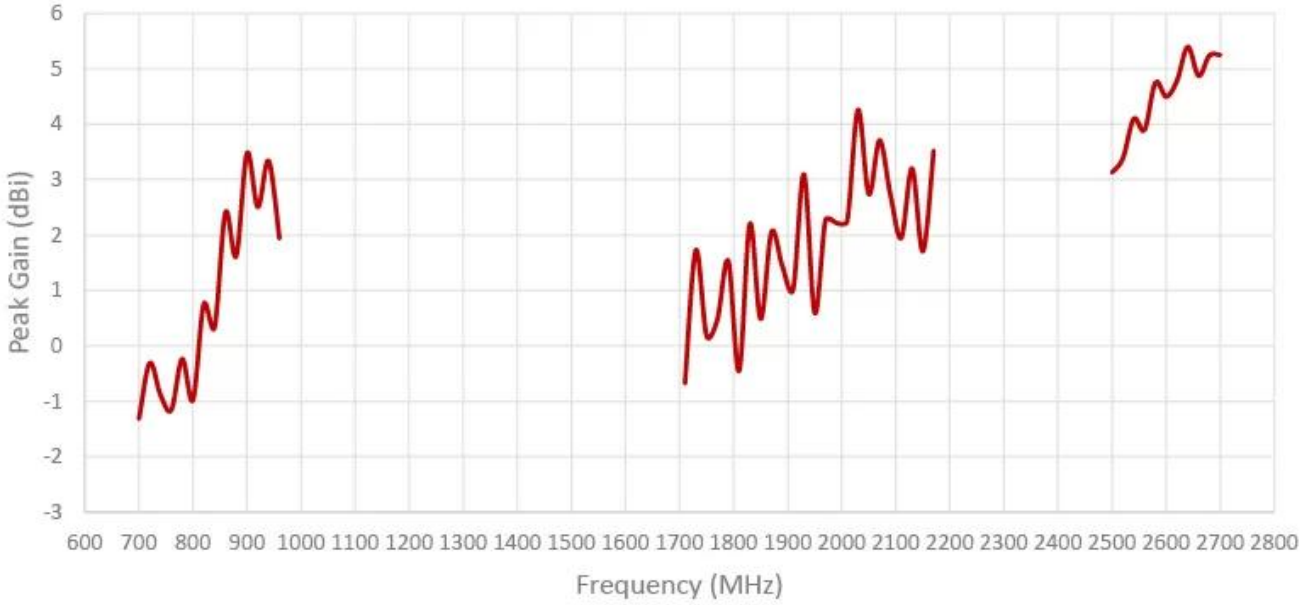


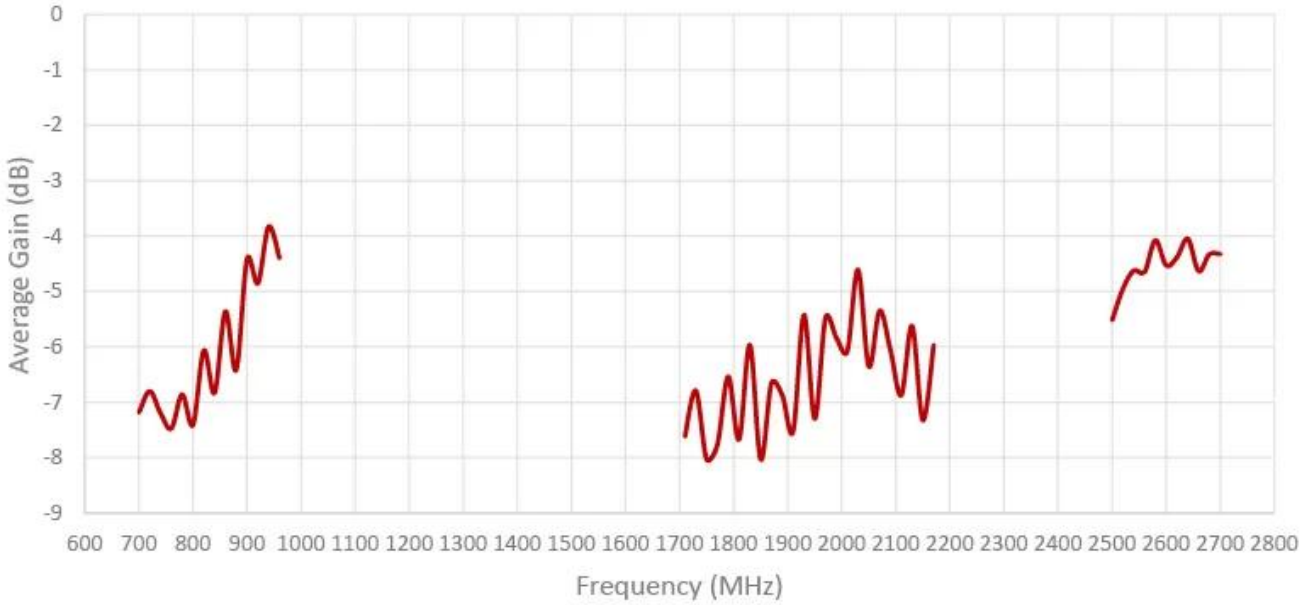
Câble 2 : 2G, 3G, 4G



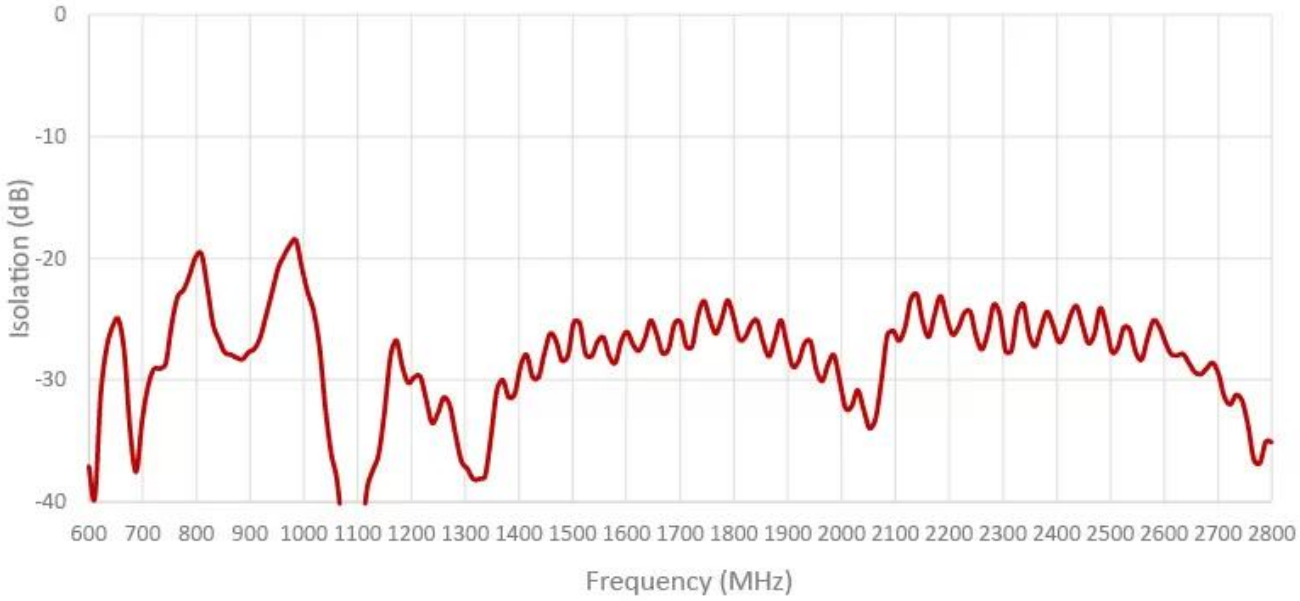

VSWR
0
1
2
3
4
5
600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800
Frequency (MHz)


Efficiency (%)
0
10
20
30
40
50
600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800
Frequency (MHz)

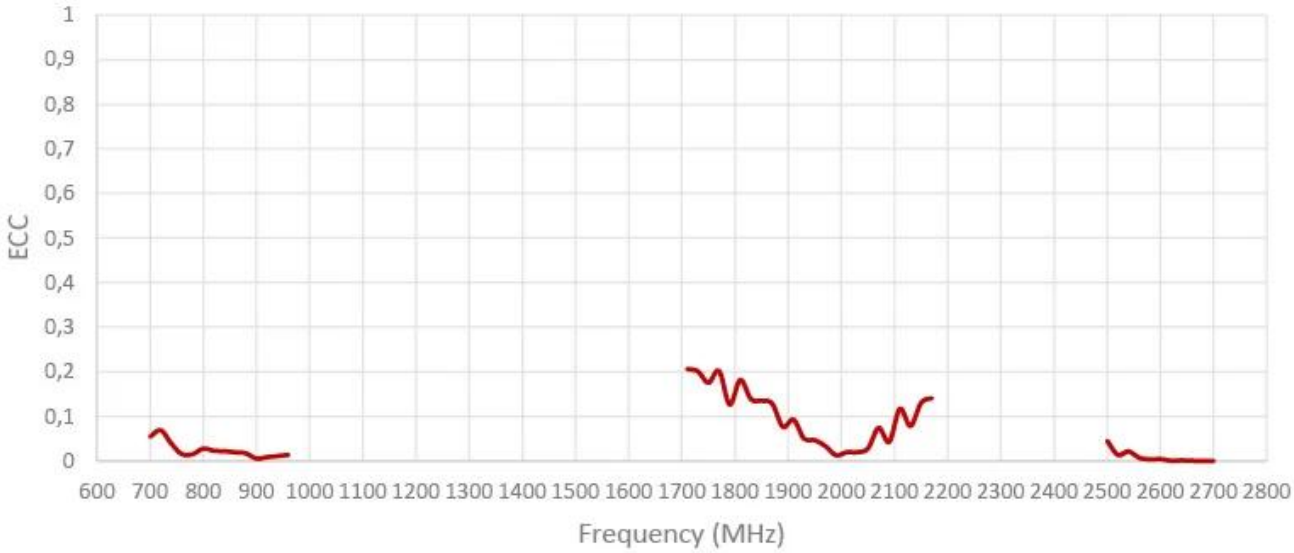

Peak Gain (dBi)
6
5
4
3
2
1
0
-1
-2
-3
600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800
Frequency (MHz)

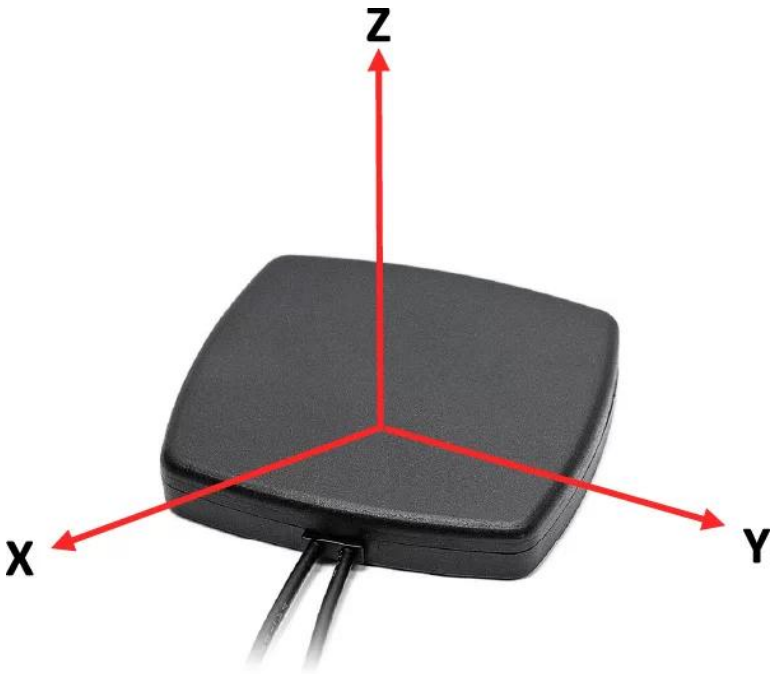

Average Gain (dB)
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800
Frequency (MHz)

Isolation câble 1 et 2



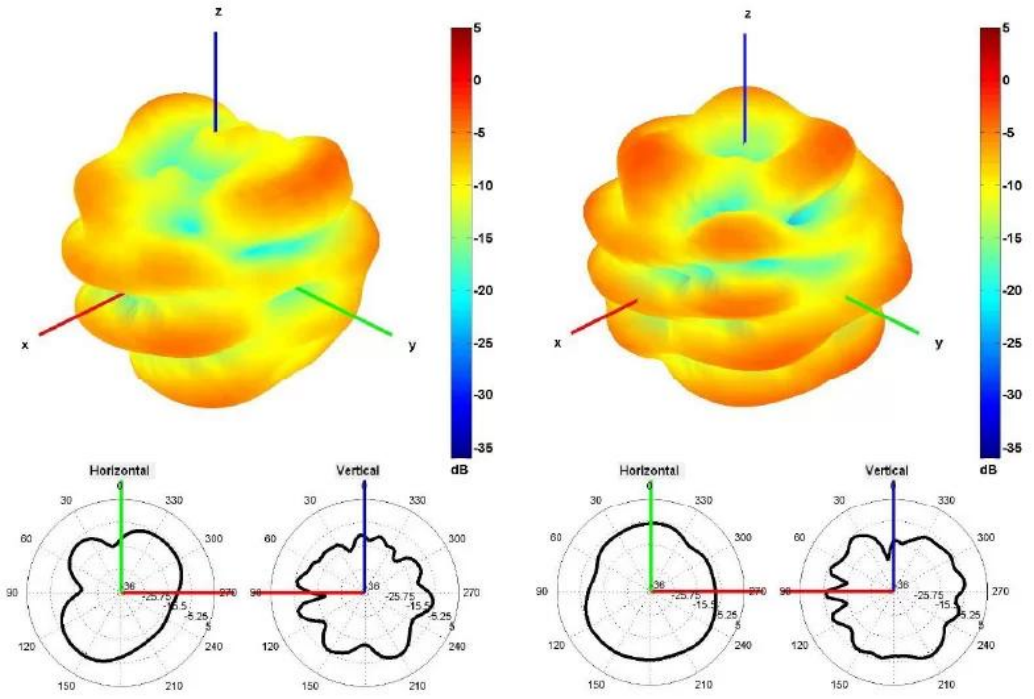
Coefficient de corrélation câble 1 et 2



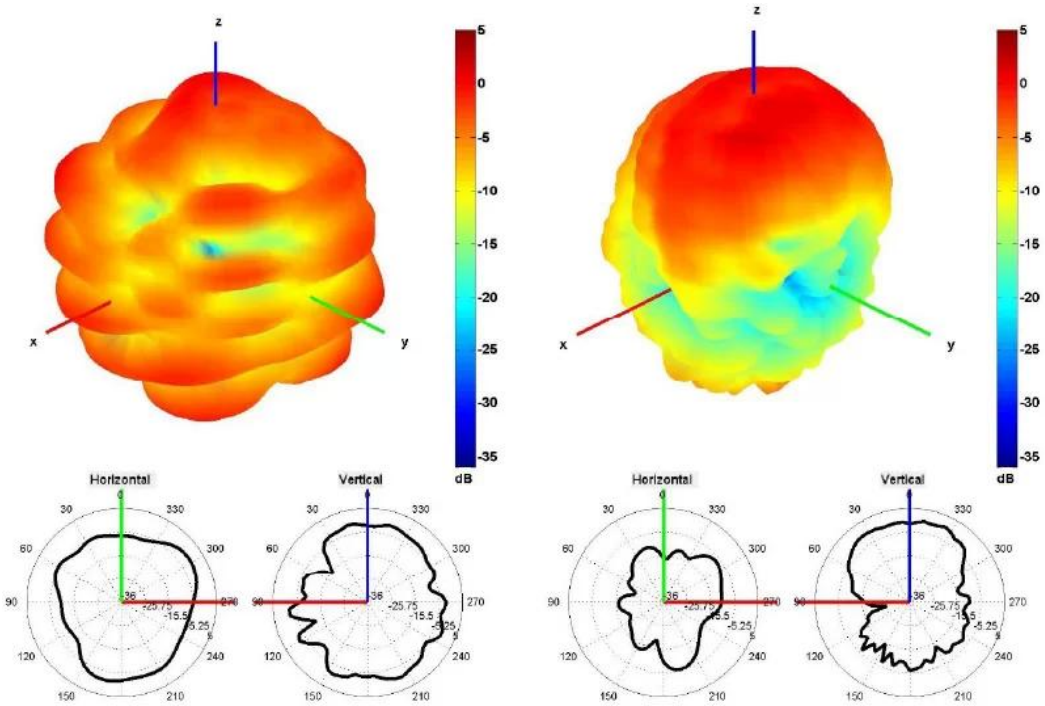


Radiation pattern reference

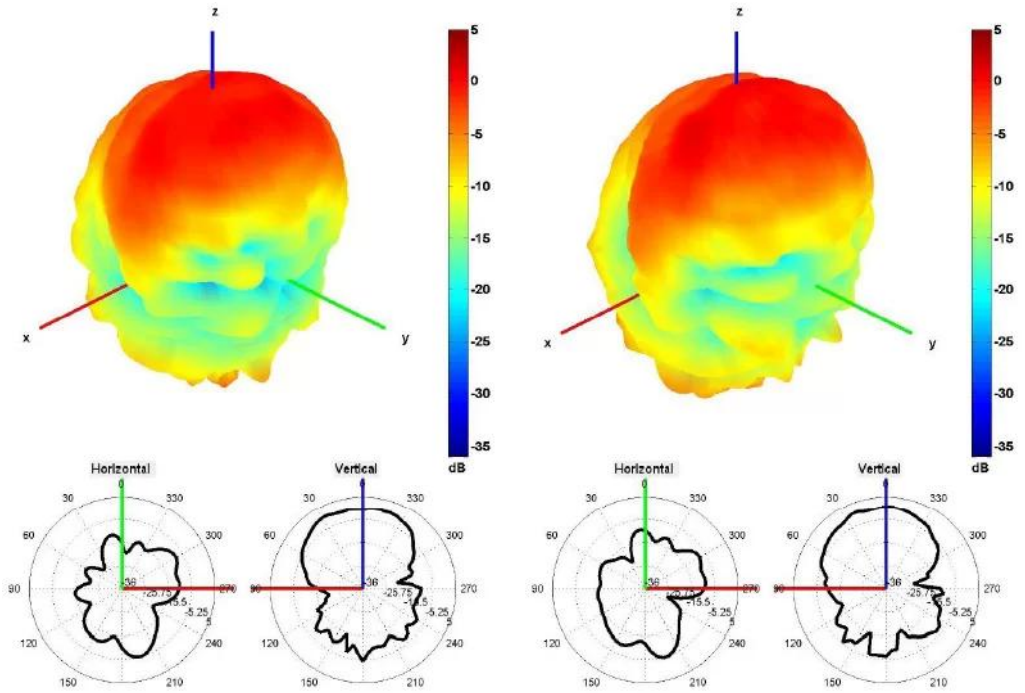
Câble 1 : 2G, 3G, 4G



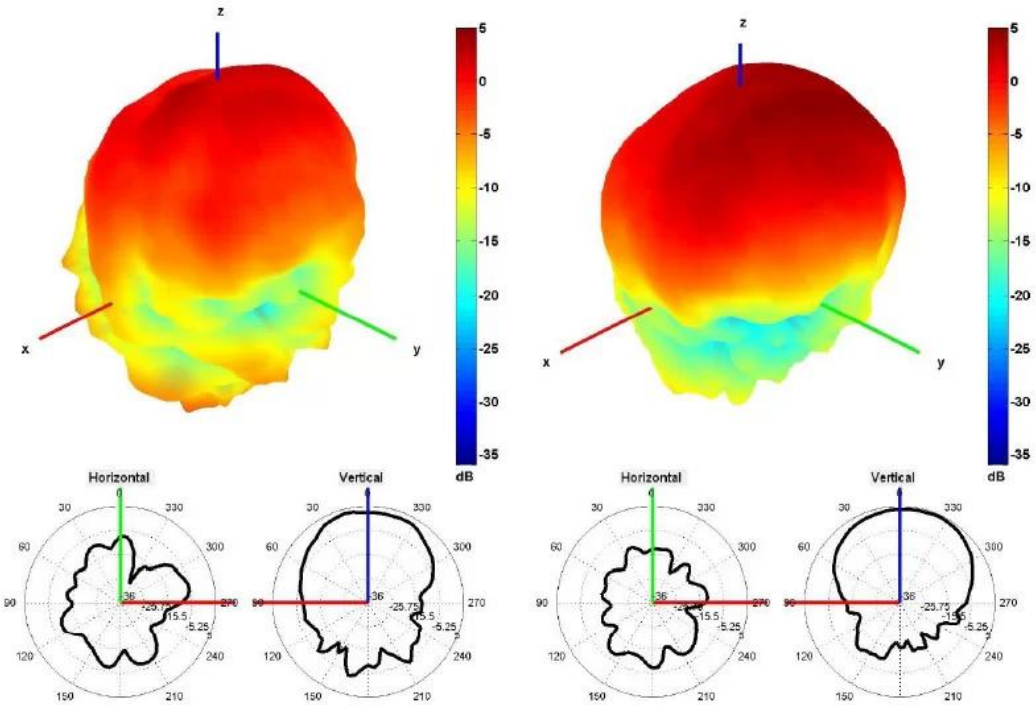
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

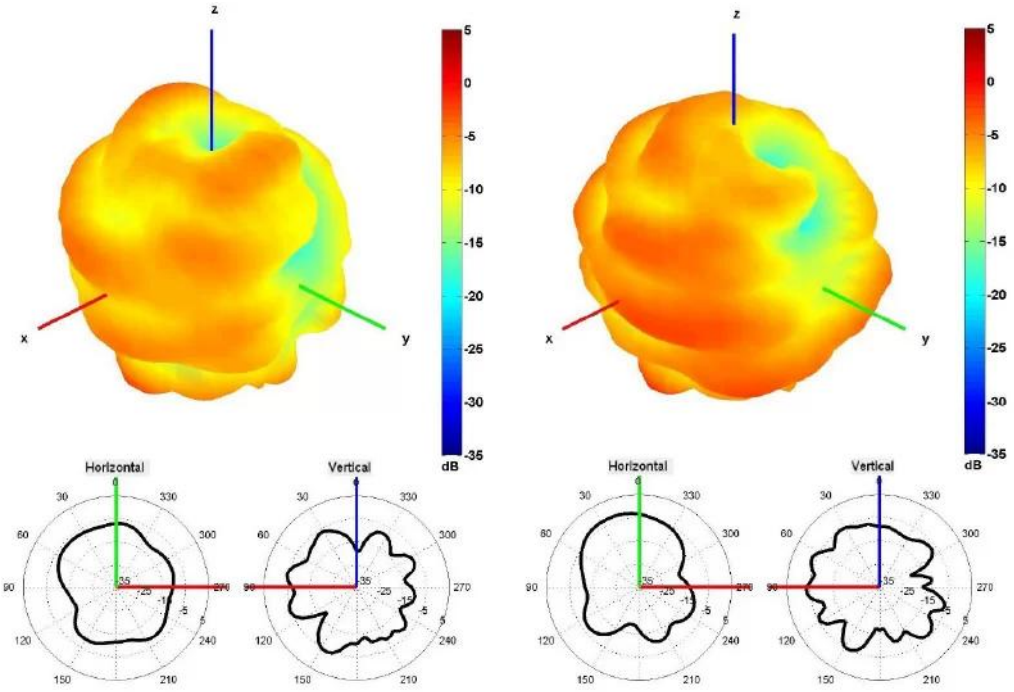


1850 and 1950 MHz Radiation pattern

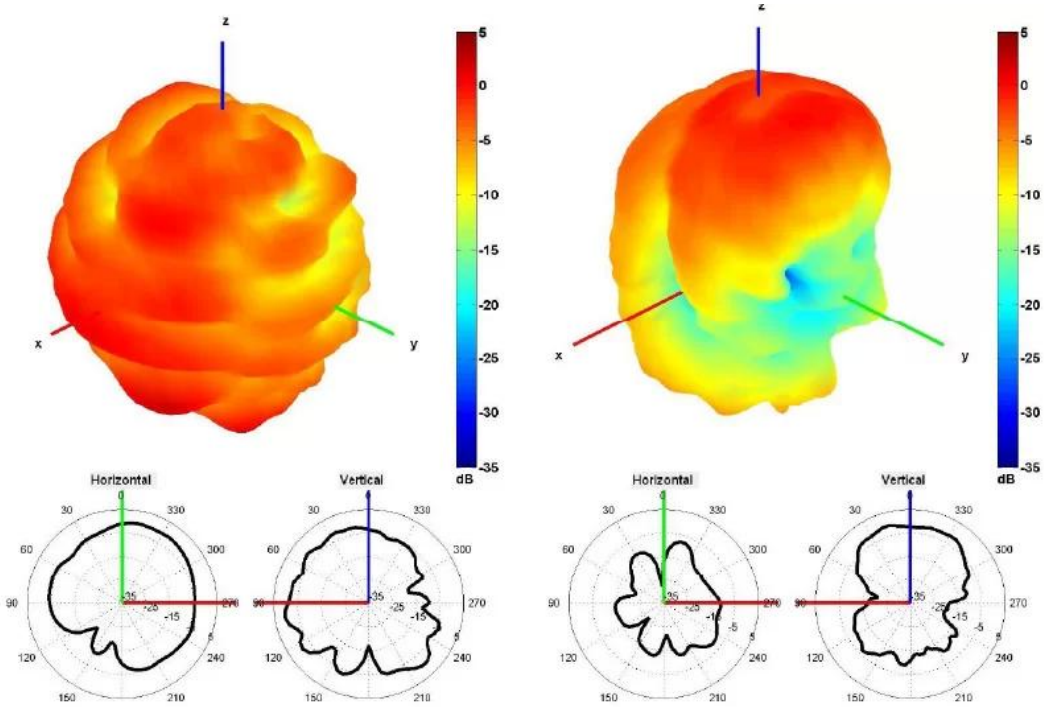


2100 and 2600 MHz Radiation pattern

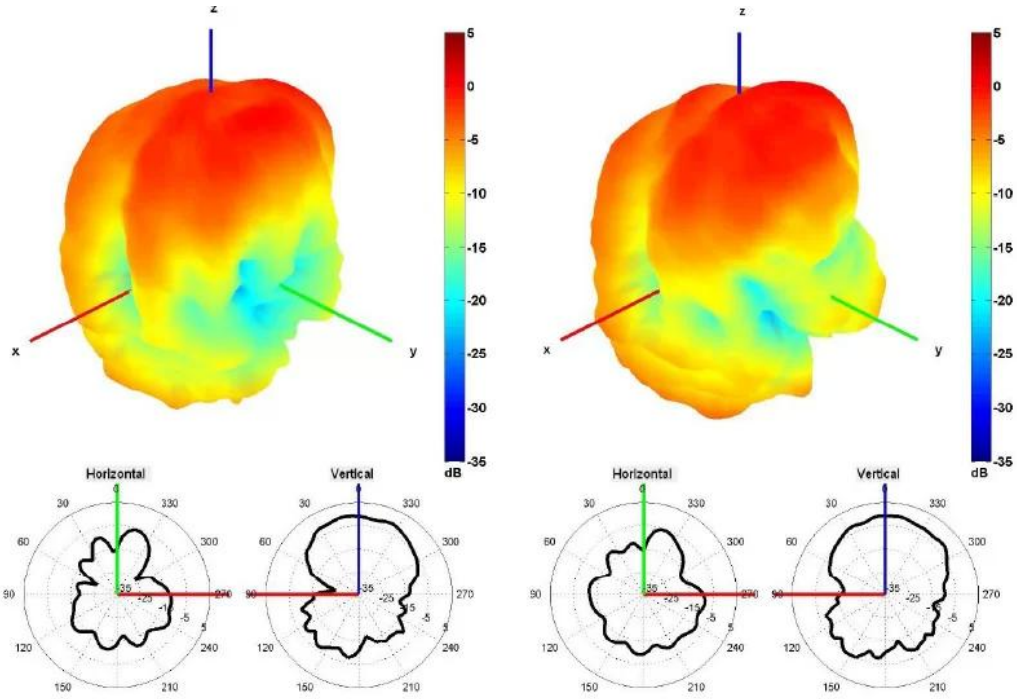
Câble 2 : 2G, 3G, 4G



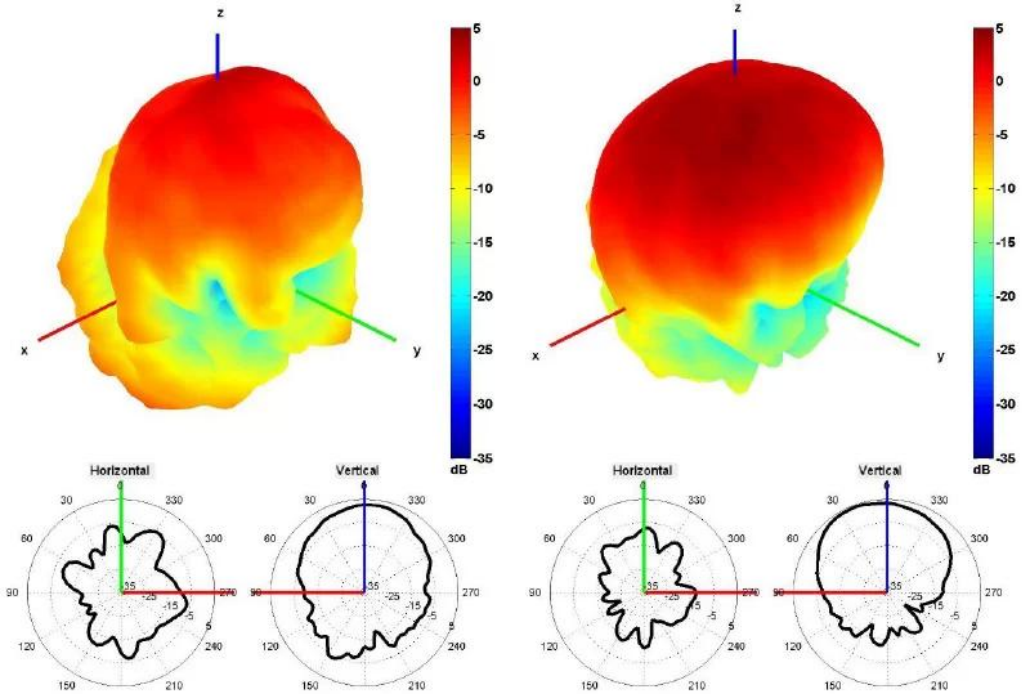
750 and 850 MHz Radiation pattern

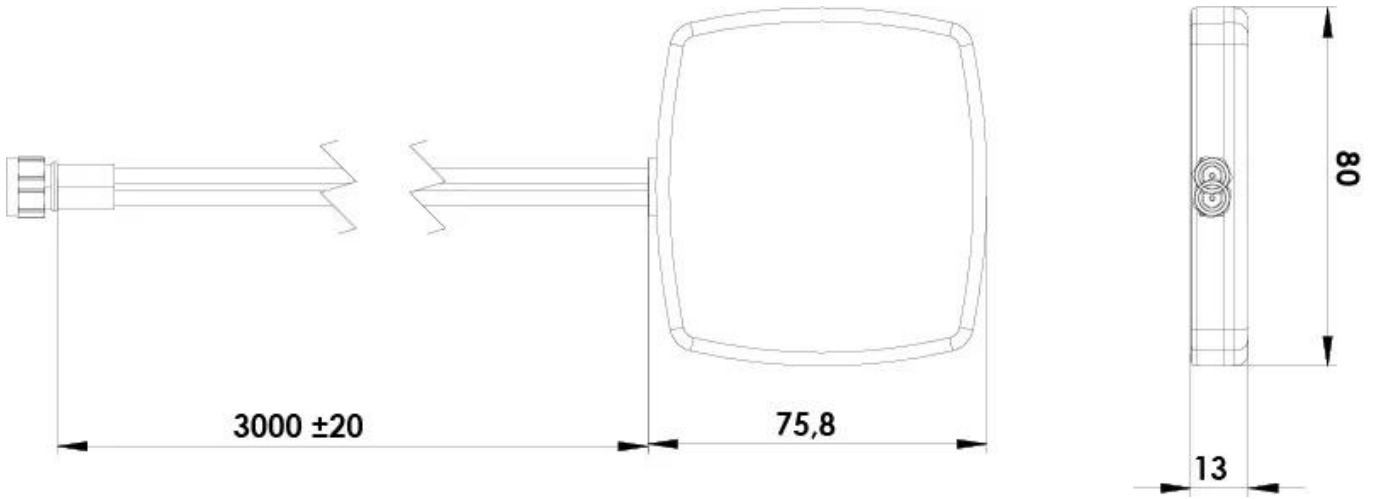


940 and 1750 MHz Radiation pattern



1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

SCHÉMAS