

Antenne dipôle 5G ultra large bande UHF/LPWA SMA mâle articulé à visser | -4.5dBi

Référence GC-W0180Z-011

Gain	de 0.5 à -4.5dBi
Connecteur	SMA (M)
Dimensions (mm)	171 × 38 × 13.8
T° de fonctionnement	-40°C à +85°C

CARACTÉRISTIQUES

NORMES	5G NR / 4G-LTE / FirstNet / CBRS / LPWA / CAT-X / CAT-Mx / CAT-NBx / NB-IoT / 3G / 2G / UHF				
FRÉQUENCE(S) (MHZ)	410-496	617-960	1427-2690	3300-5000	5150-5925
BANDE(S) (MHZ)	450	600, 700, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700, 4500	5200, 5500, 5800
BANDES 5G NR		n5, n8, 12, n20, n28, n71, n81, n82, n83,	n1, n2, n3, n7, n25, n34, n38, n39, n40, n41, n50, n51, n66, n70, n74, n75, n76, n80, n84, n86	n77, n78, n79	
BANDES 4G-LTE	B31, B72, B73, B87, B88	B5, B6, B8, B12, B13, B14, B17, B18, B19, B20, B26, B27, B28, B29, B44, B67, B68, B71, B85	B1, B2, B3, B4, B7, B9, B10, B11, B21, B23, B24, B25, B30, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B45, B50, B51, B65, B66, B69, B70, B74, B75, B76	B22, B42, B43, B48, B49, B52	B46, B47, B252, B255
BANDES 3G		B5, B6, B8, B12, B13, B14, B19, B20, B26	B1, B2, B3, B4, B7, B9, B10, B11, B21, B25, B32, B33, B34, B35, B36, B37, B38, B39, B40	B22	
BANDES 2G	410T, 450, 480	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS		
GROUPES CDMACELL	BC5, BC11	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21		
PERTE DE RETOUR (DB)	~ -4,8	~ -14,3	~ -8,2	~ -6,8	~ -10,6
VSWR	~ 3,8: 1	~ 1,7: 1	~ 2,5: 1	~ 4,1: 1	~ 2,1: 1
EFFICACITÉ (%)	~ 20,6	~ 40,8	~ 60,0	~ 40,8	~ 30,9

GAIN DE CRÊTE (DBI)	~ -4,5	~ 0,5	~ 2,1	~ 1,5	~ 2,5
GAIN MOYEN (DB)	~ -7,0	~ -4,2	~ -2,4	~ -4,4	~ -5,5
IMPÉDANCE (OHM)	50				
POLARISATION	Linéaire				
RAYONNEMENT	Omnidirectionnel				
PUISSANCE D'ENTRÉE MAX. (W)	25				
TYPE DE CONNECTEUR	SMA-Mâle				

Conditions de mesure d'antenne :

- Espace libre
- Mesurée dans une chambre anéchoïque certifiée CTIA 3D

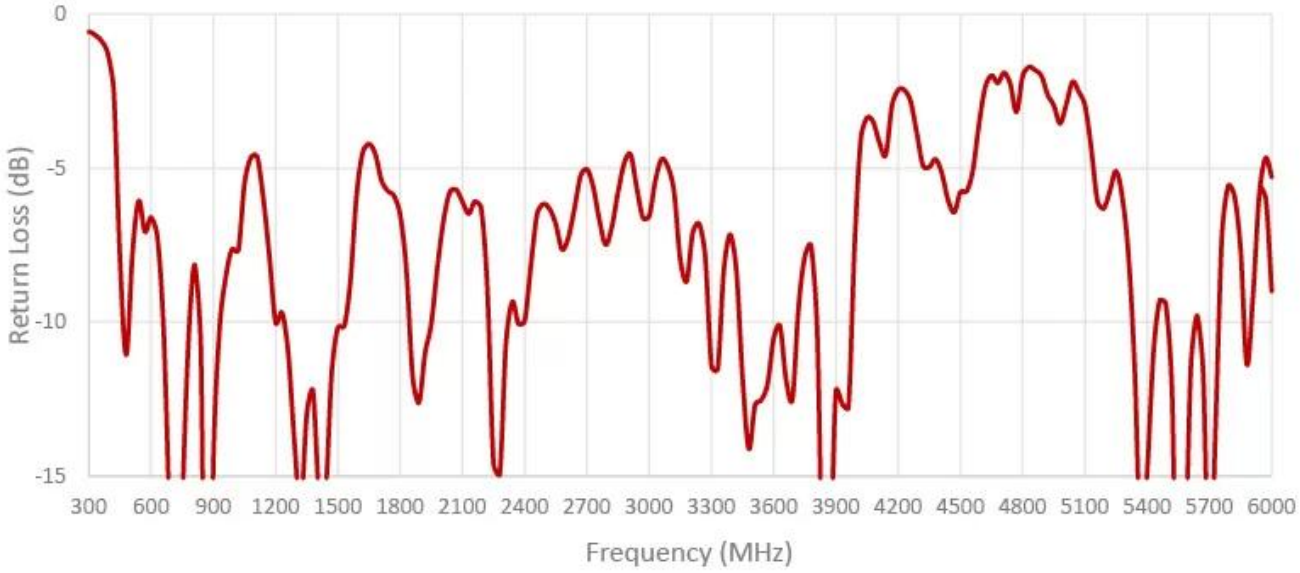
SPÉCIFICATIONS

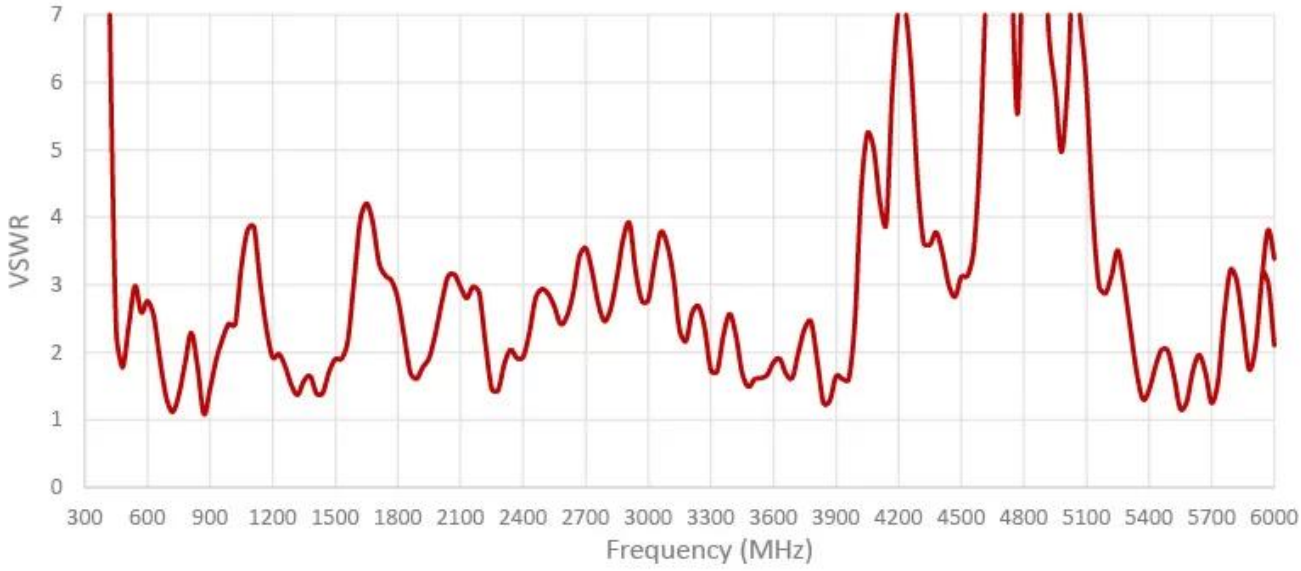
TYPE DE MONTAGE	Montage du connecteur
DIMENSIONS (MM)	171 × 38 × 13,8
MATÉRIAU RADÔME	PC / ABS stable aux UV
COULEUR	Noir ou blanc
FONCTION DE CONNECTEUR	À charnière
T° DE FONCTIONNEMENT (°C)	-40 à +85
T° DE STOCKAGE (°C)	-40 à +85
CERTIFICATION(S)	RoHS, REACH

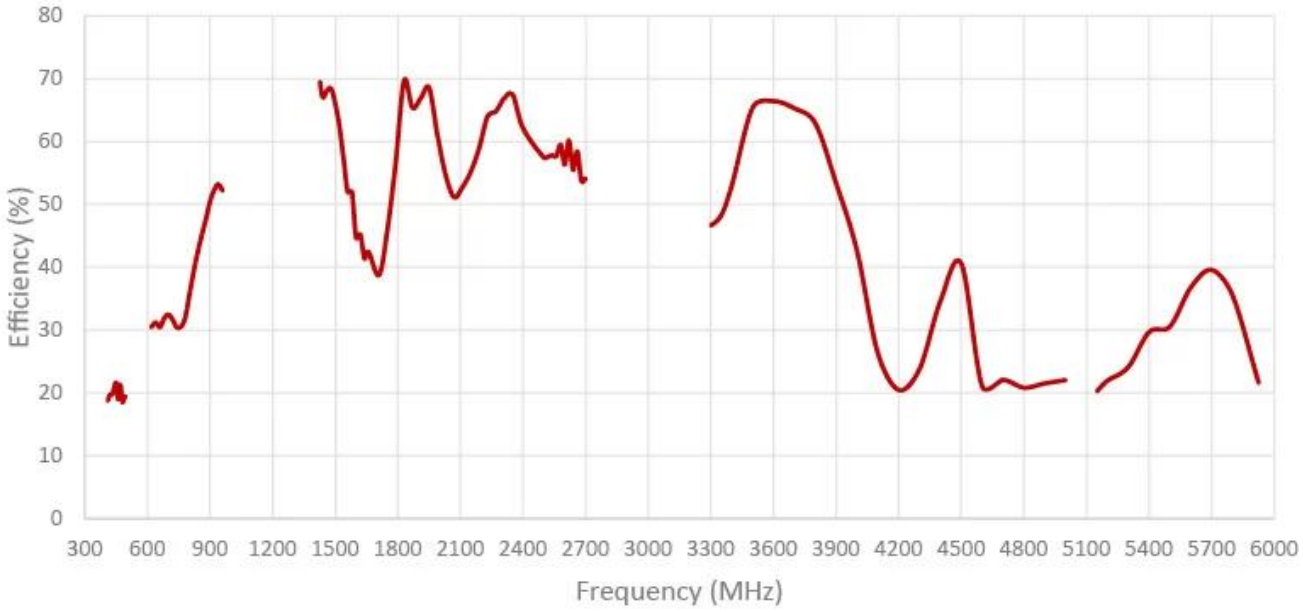
ENVIRONNEMENT

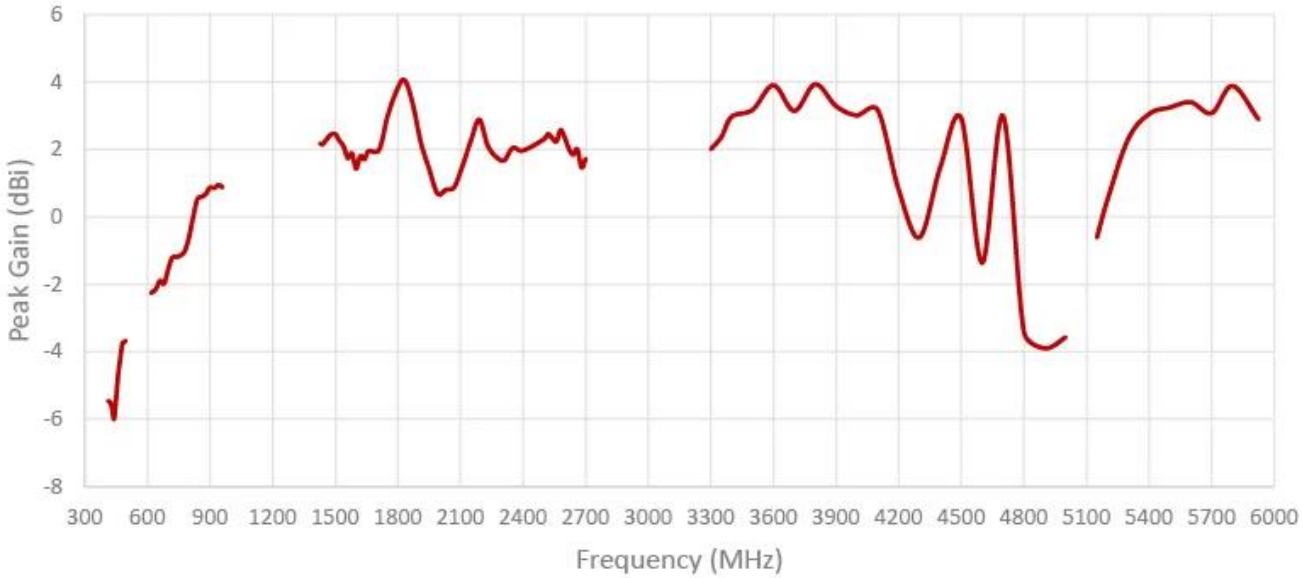
Cette gamme d'antenne est fabriquée sans matières dangereuses tout en maintenant une conformité totale avec **REACH et RoHS**.

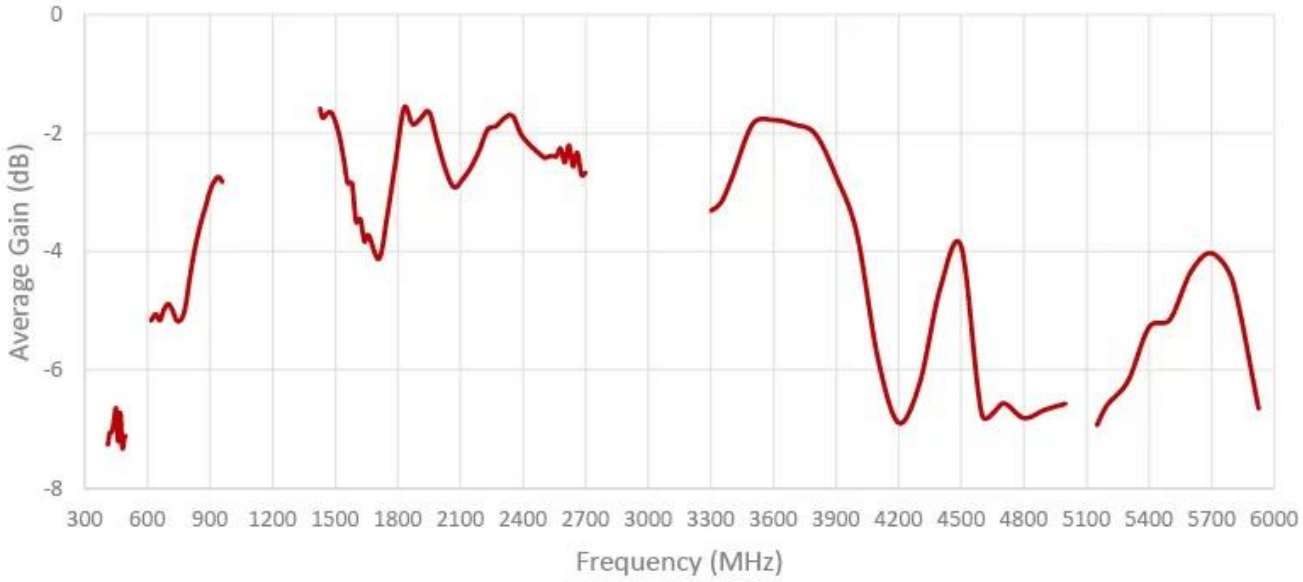
MESURES

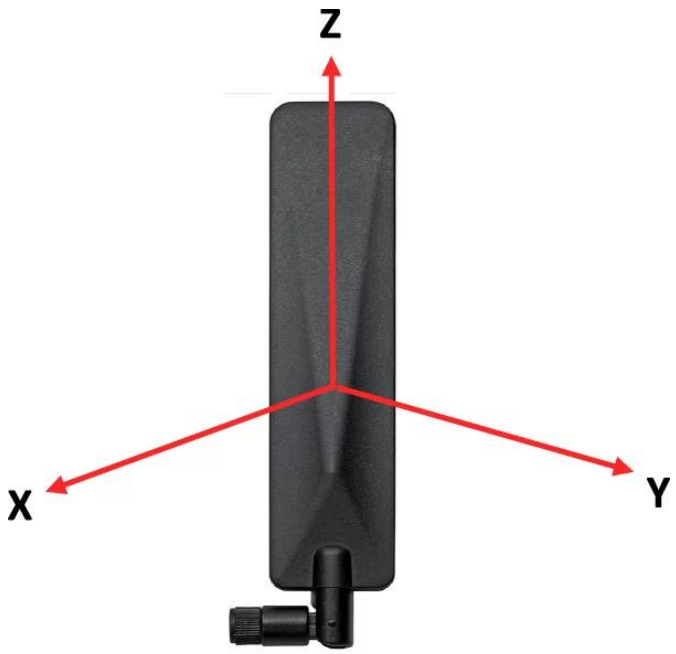

0
-5
-10
-15
Return Loss (dB)
300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000
Frequency (MHz)


7
6
5
4
3
2
1
0
VSWR
300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000
Frequency (MHz)

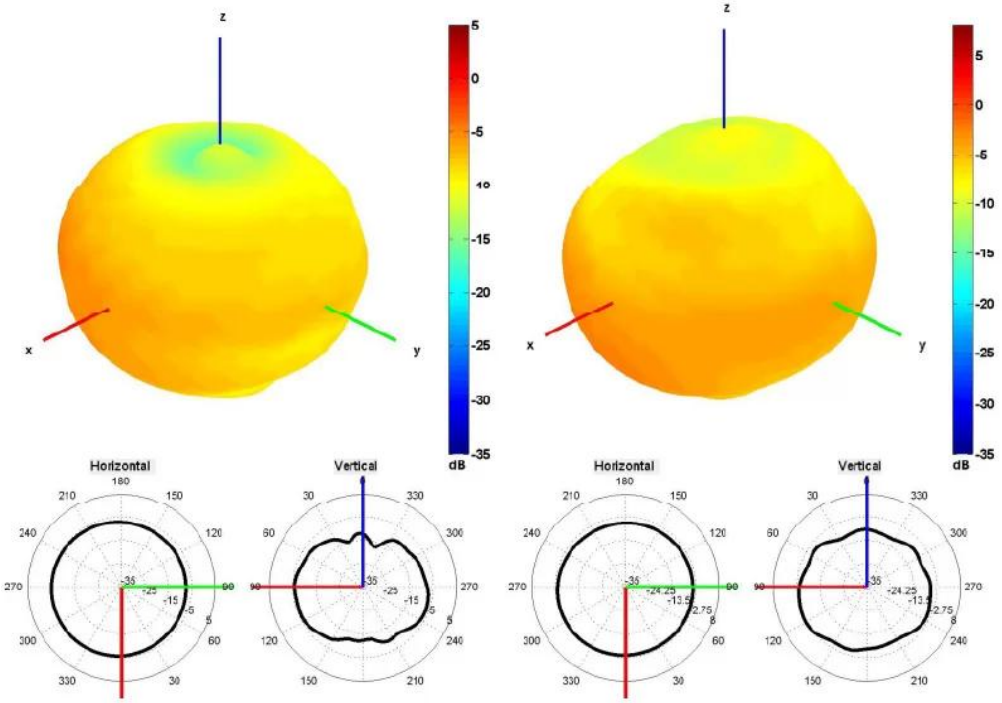

Efficiency (%)
80
70
60
50
40
30
20
10
0
300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000
Frequency (MHz)


Peak Gain (dBi)
6
4
2
0
-2
-4
-6
-8
300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000
Frequency (MHz)

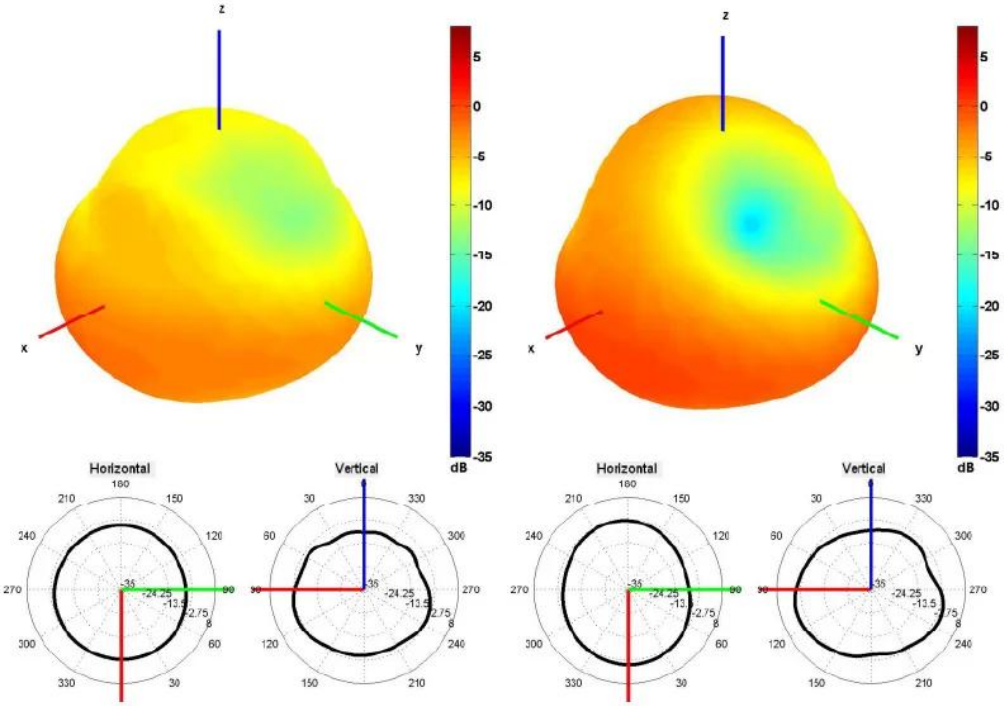




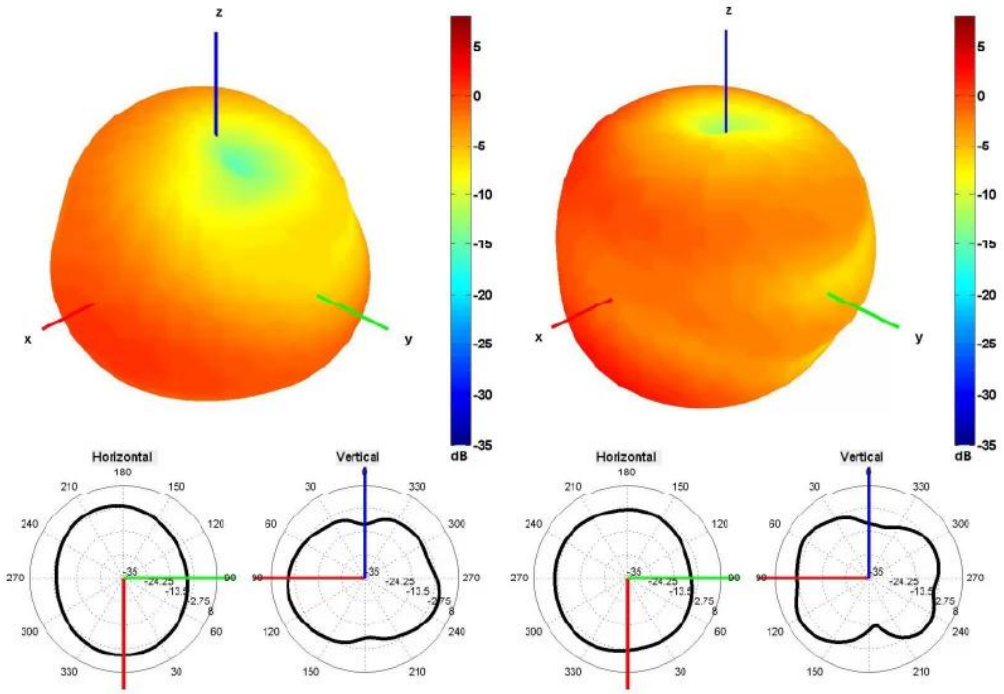
Radiation pattern reference



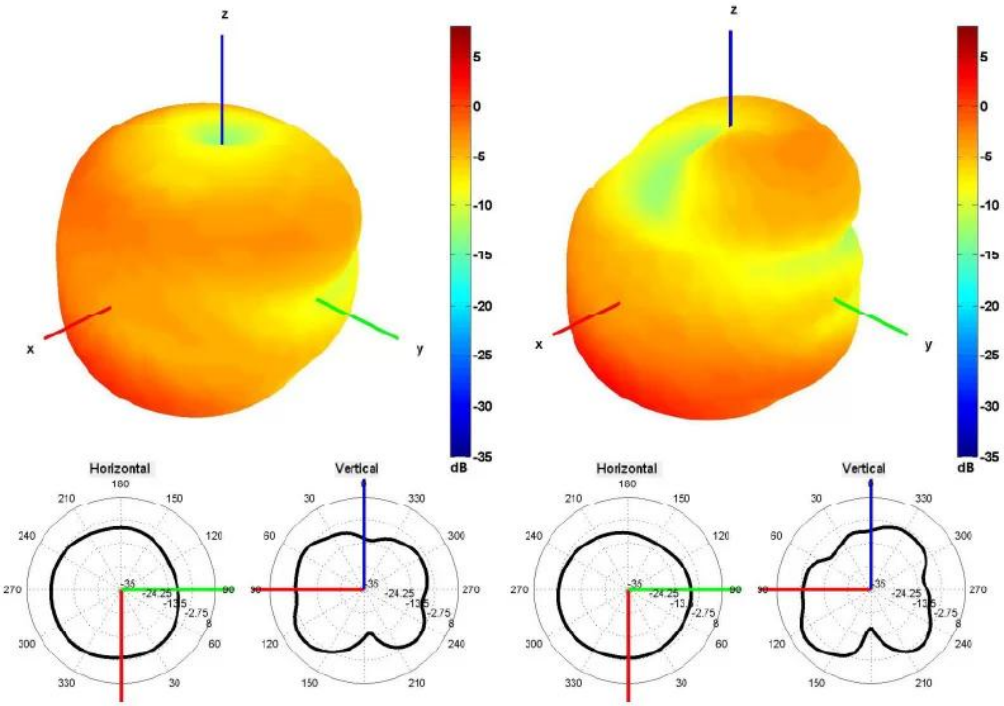
460 and 640 MHz Radiation pattern



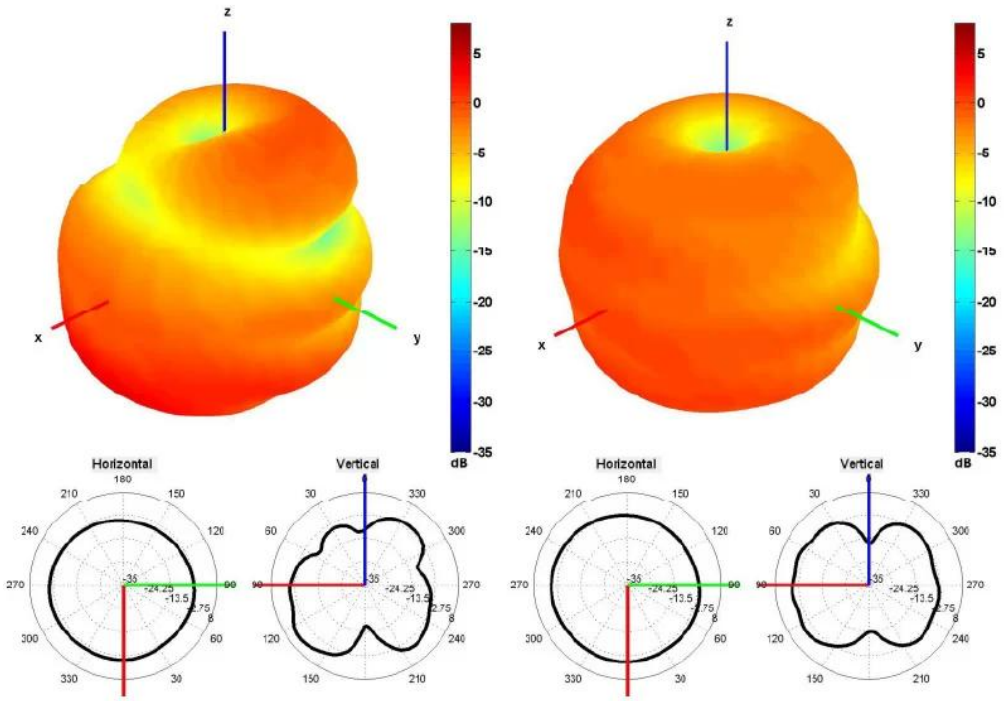
750 and 850 MHz Radiation pattern



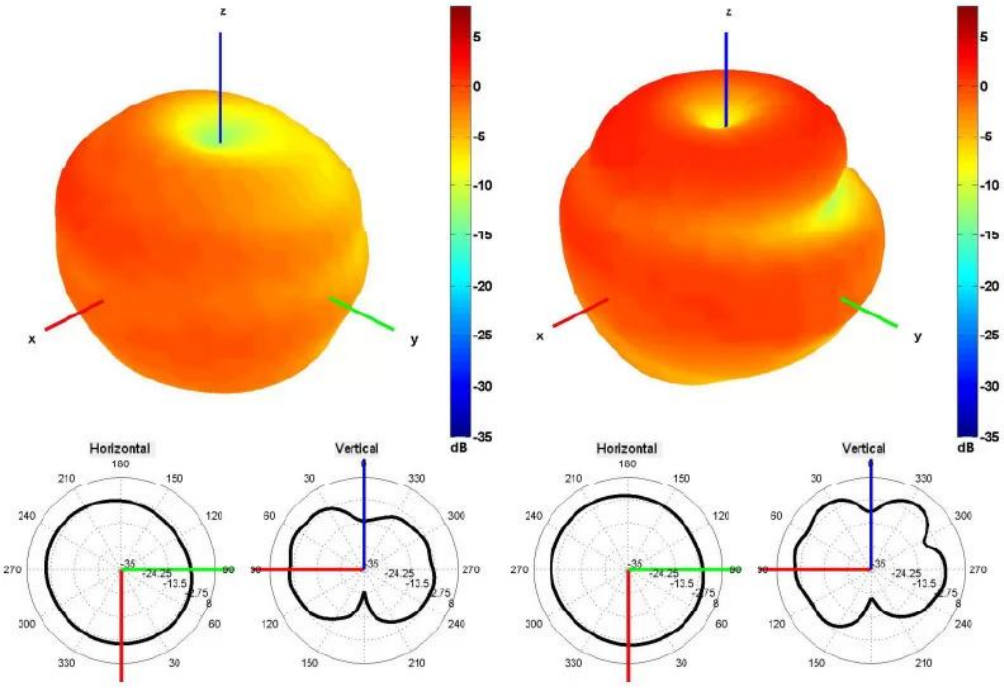
940 and 1500 MHz Radiation pattern



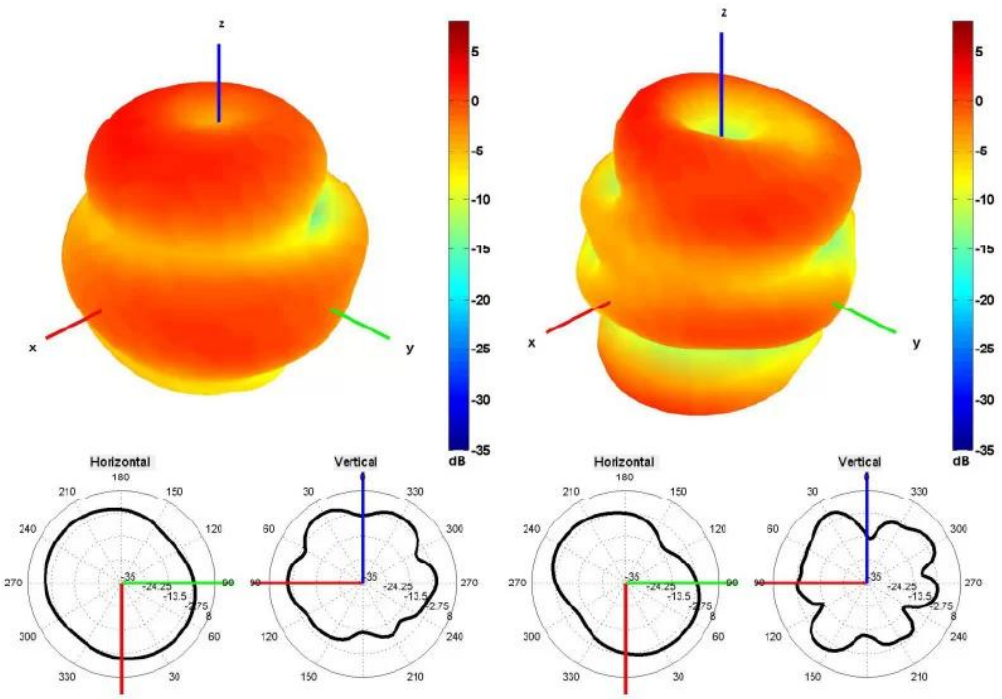
1600 and 1750 MHz Radiation pattern



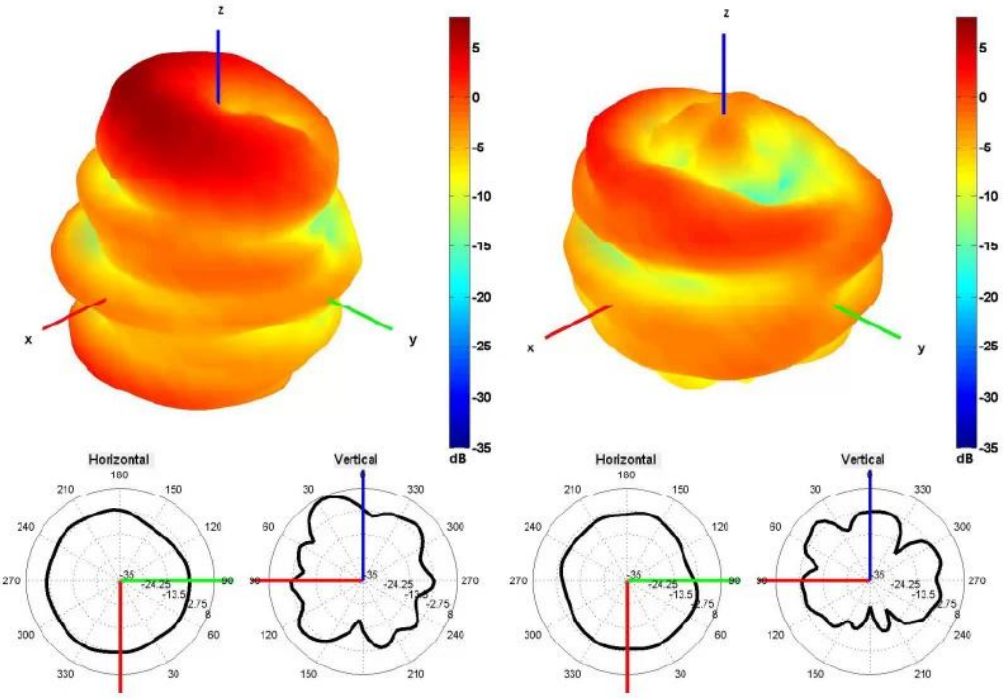
1850 and 1950 MHz Radiation pattern



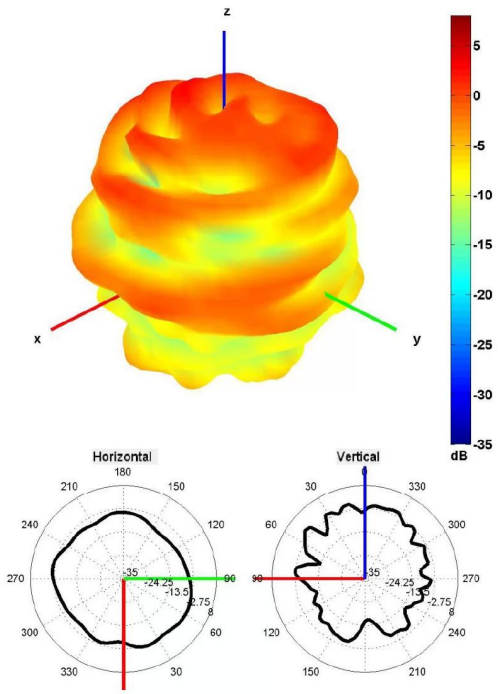
2360 and 2660 MHz Radiation pattern



2600 and 3350 MHz Radiation pattern



3600 and 4500 MHz Radiation pattern



5500 MHz Radiation pattern

