



Antenne combinée 4x[5G 4G-LTE 3G/2G LPWA] IP69/IK09 montage sur mât | 0.2 à 3.2dBi

Référence GC-7183Jc

Gain	0.2dBi à 3.2dBi
Connecteurs	SMA (M)
Dimensions (mm)	Ø 96 x H 130
T° de fonctionnement	-40°C à +85°C

COUVERTURE 5G MIMO ULTRA-FIABLE DANS UN BOÎTIER ROBUSTE

L'antenne GC-7183Jc combine 4 antennes 5G MIMO en un boîtier robuste et résistant qui assurent une puissante couverture mondiale grâce à sa rétrocompatibilité 4G-LTE, 3G et 2G et LPWA et sa large gamme de fréquences : 617 - 5925 MHz.

COUVERTURE 5G COMPLÈTE

Les câbles 1 à 4 sont dédiés aux appareils qui fonctionnent dans toutes les normes 5G, 4G-LTE, FirstNet, CBRS, LPWA, CAT-X, CAT-Mx, CAT-NBx, NB-IoT, 3G et 2G. Chaque antenne peut être utilisée dans n'importe quelle combinaison ou configuration MIMO souhaitée.

Les 4 antennes sont conçues avec un diagramme de rayonnement omnidirectionnel et une polarisation linéaire pour une puissance de signal maximale à 360 degrés.

INSTALLATION / ENVIRONNEMENT

Le boîtier robuste et résistant est fabriqué avec un matériau de haute qualité, l'acrylonitrile styrène acrylate (ASA), stable aux UV et connu pour ses propriétés de résistance thermique. La base de l'antenne est en alliage d'aluminium pour une durabilité maximale.

L'antenne est indépendante du plan de masse et la technologie de montage à vis permet de la verrouiller solidement sur son emplacement. Elle est livrée avec un connecteur SMA-Mâle et un câble LL195 de 300 cm en standard. Ces derniers sont personnalisables en fonction de besoins spécifiques.

Les indices d'étanchéité IP67 et IP69 confèrent à cette antenne une protection maximale contre la poussière et la pénétration d'eau, tandis que l'indice IK09 ajoute une sécurité supplémentaire anti-vandalisme, et une résistance élevée aux chocs.



CARACTÉRISTIQUES

Câble 1 : 2G/3G/4G/5G - IoT/LPWAN

FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
BANDE(S) (MHZ)	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	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	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS		
BANDES CDMA	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21		
PERTE DE RETOUR (DB)	~-7,3	~-16,2	~-17,5	~-18,5
VSWR	~2,9:1	~1,5:1	~1,4:1	~1,3:1
EFFICACITÉ (%)	~31,6	~45,0	~34,9	~31,2
GAIN DE CRÊTE (DBI)	~-0,6	~-2,2	~-2,5	~-3,2
GAIN MOYEN (DB)	~-5,4	~-3,5	~-4,6	~-5,1



Câble 2 : 2G/3G/4G/5G - IoT/LPWAN

FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
BANDE(S) (MHZ)	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	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	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS		
BANDES CDMA	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21		
PERTE DE RETOUR (DB)	~-8,7	~-16,6	~-14,8	~-16,0
VSWR	~2.5:1	~1,5:1	~1.6:1	~1.4:1
EFFICACITÉ (%)	~31,8	~44,0	~32,5	~30,3
GAIN DE CRÊTE (DBI)	~0,2	~2.0	~2,3	~2,9
GAIN MOYEN (DB)	~-5,3	~-3,7	~-4,9	~-5,2



Câble 3 : 2G/3G/4G/5G - IoT/LPWAN

FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
BANDE(S) (MHZ)	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	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	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS		
BANDES CDMA	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21		
PERTE DE RETOUR (DB)	~-8.5	~-16,2	~-18,5	~-18,4
VSWR	~2.6:1	~1,5:1	~1.3:1	~1.3:1
EFFICACITÉ (%)	~32,7	~43,5	~31,3	~31,7
GAIN DE CRÊTE (DBI)	~0.3	~2.0	~2.2	~2,9
GAIN MOYEN (DB)	~-5,4	~-3,7	~-5.1	~-5.5



Câble 4 : 2G/3G/4G/5G - IoT/LPWAN

FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
BANDE(S) (MHZ)	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	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	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS		
BANDES CDMA	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21		
PERTE DE RETOUR (DB)	~-8.1	~-16,0	~-15,5	~-18,5
VSWR	~2,7:1	~1,5:1	~1,5:1	~1.3:1
EFFICACITÉ (%)	~32,9	~45,8	~33,7	~31,7
GAIN DE CRÊTE (DBI)	~0.4	~2.4	~2,5	~3.2
GAIN MOYEN (DB)	~-5,4	~-3,5	~-4,7	~-5,0

Conditions de mesure de l'antenne :

- Montée sur plaque métallique de 30 x 30 cm
- 200 cm de câble LL195
- Mesurée dans une chambre anéchoïque certifiée CTIA 3D



Caractéristiques communes Câbles 1, 2, 3 et 4

IMPÉDANCE (OHMS)	50
POLARISATION	Linéaire
RAYONNEMENT	Omnidirectionnel
PUISSANCE D'ENTRÉE MAX.(W)	35
CONNECTEUR	SMA-Mâle standard (autres connecteurs disponibles)
LONGUEUR DE CÂBLE	300 cm standard (toute longueur de câble disponible)
TYPE DE CÂBLE	Norme LL195 (autres câbles disponibles)

SPÉCIFICATIONS

TYPE DE MONTAGE	Montage sur mât
DIMENSIONS (MM)	Ø 96 x H 130
MATÉRIAU RADÔME	ASA
COULEUR RADÔME	Blanc ou Noir
BASE D'ANTENNE	Alliage d'aluminium
T° DE FONCTIONNEMENT (°C)	-40 à +85
T° DE STOCKAGE (°C)	-40 à +85
CERTIFICATION(S)	RoHS
INDICE(S) DE PROTECTION	IP67, IP69, IK09

ENVIRONNEMENT

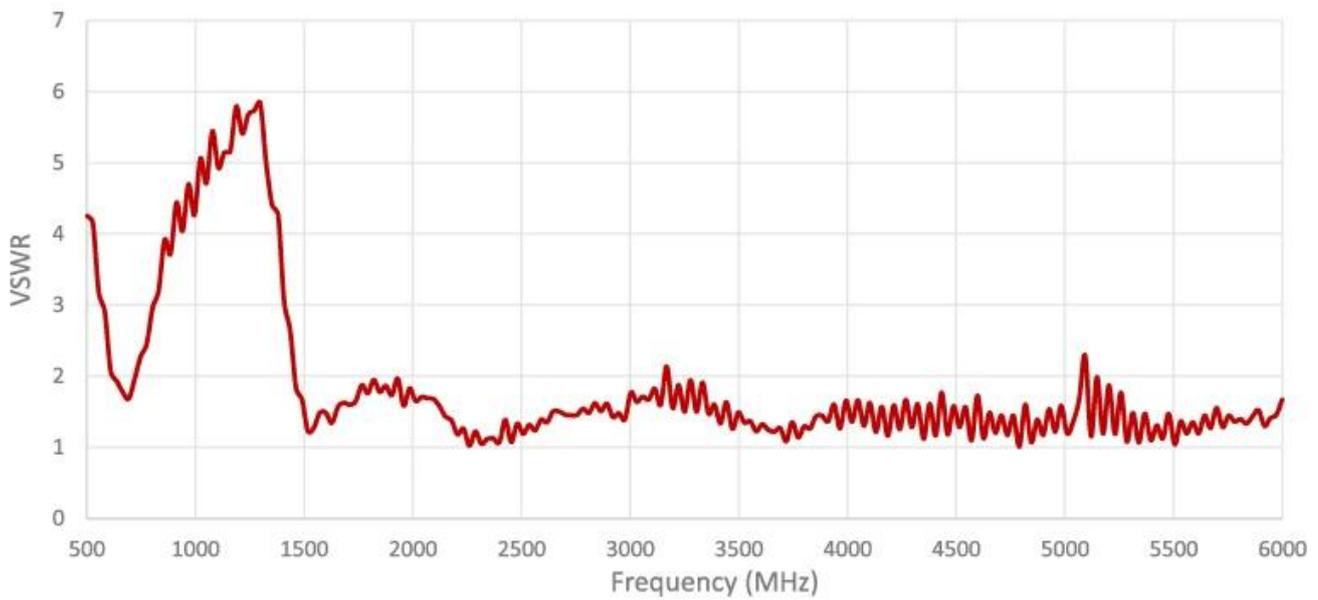
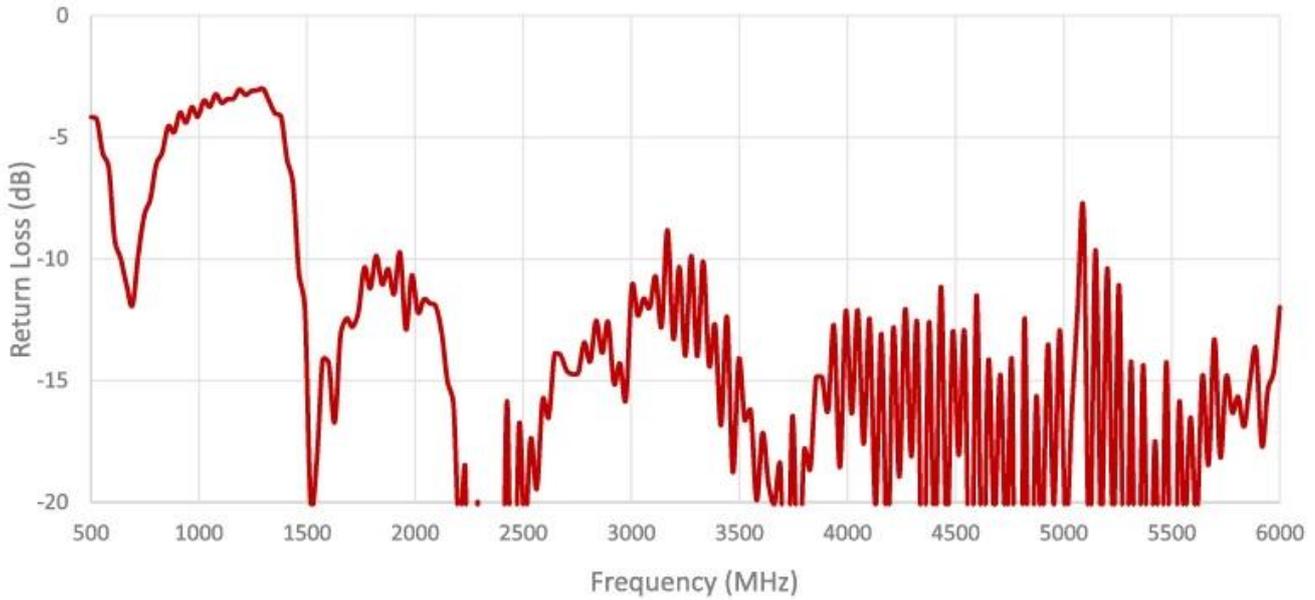
Cette gamme d'antenne est fabriquée sans matières dangereuses tout en maintenant une conformité totale avec REACH et RoHS.

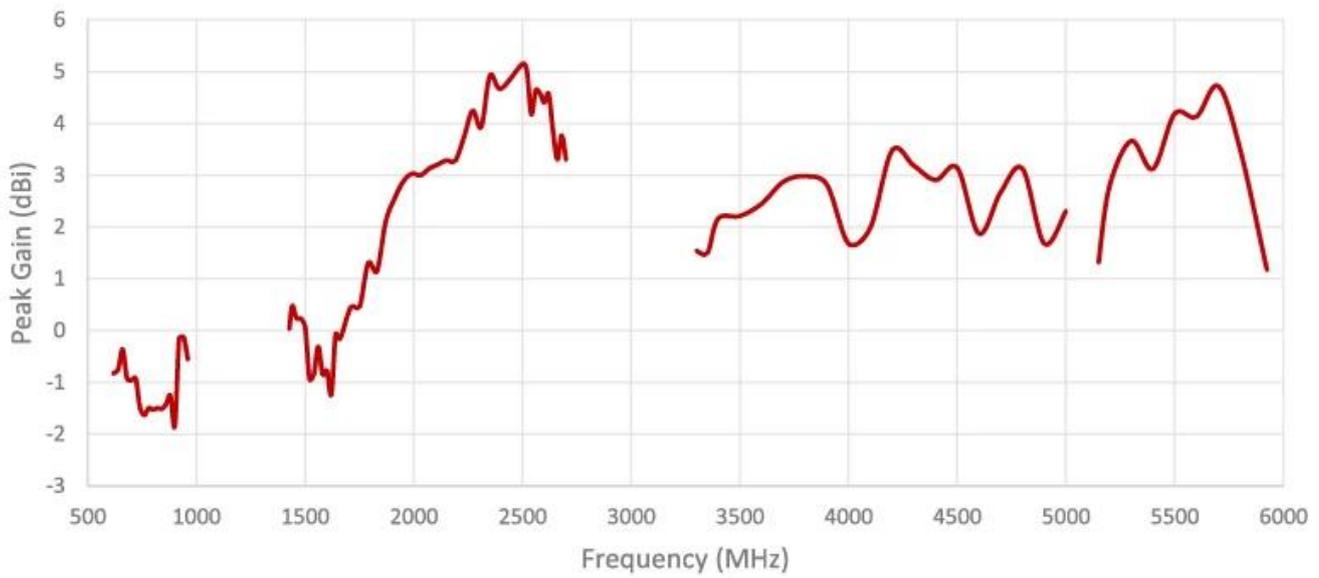
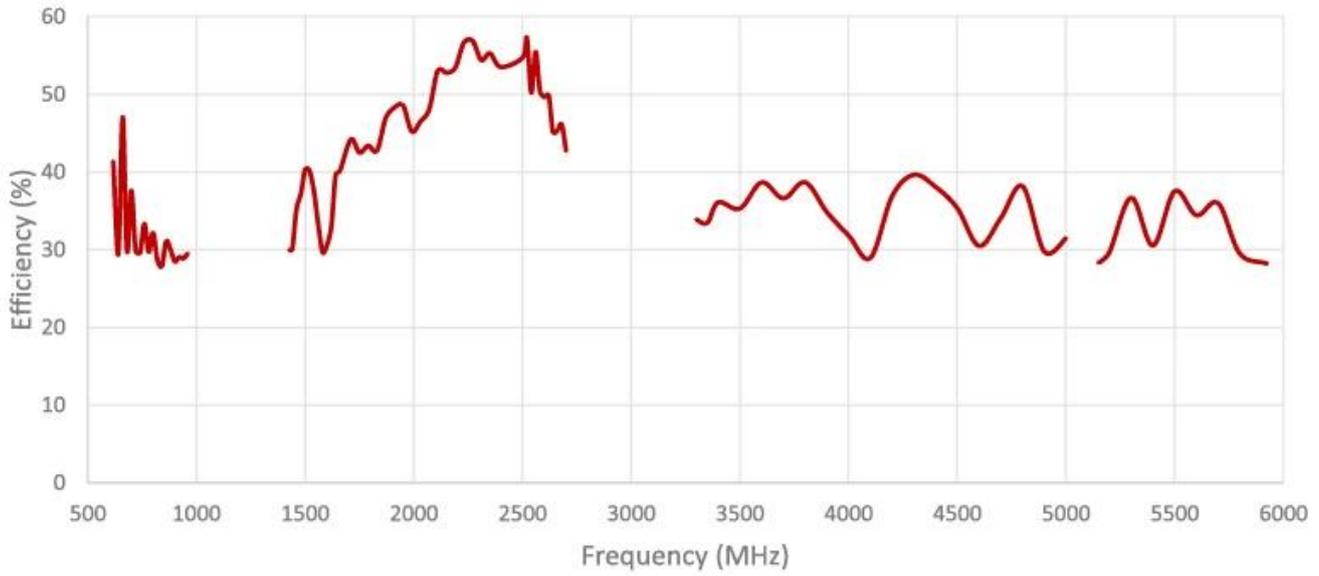


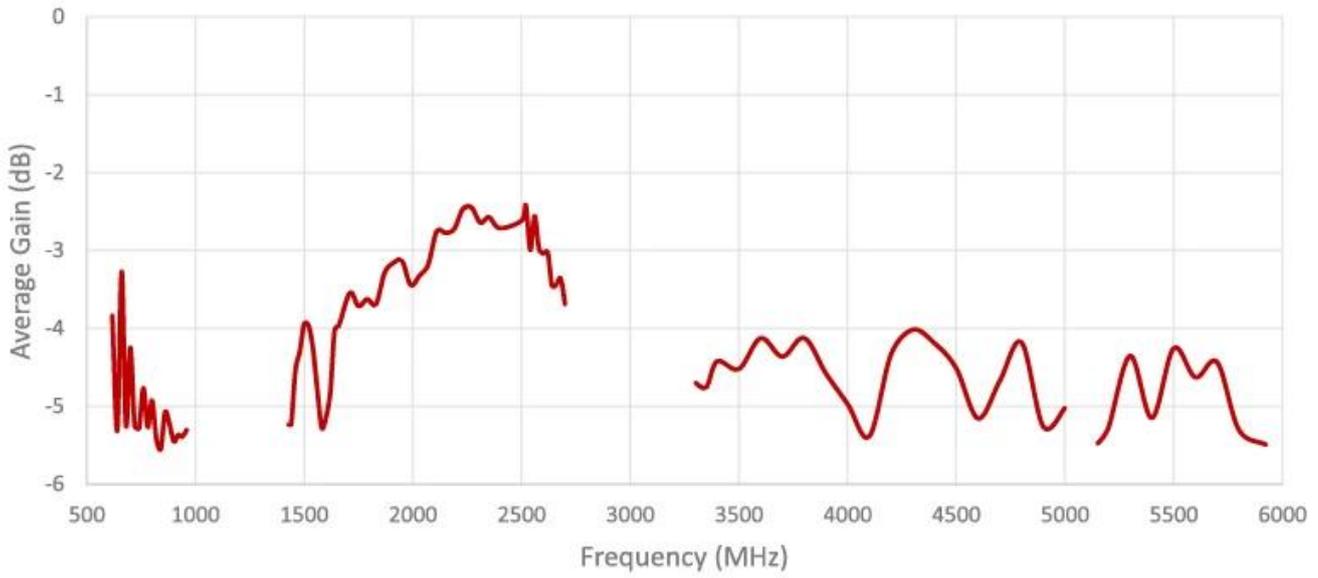


MESURES

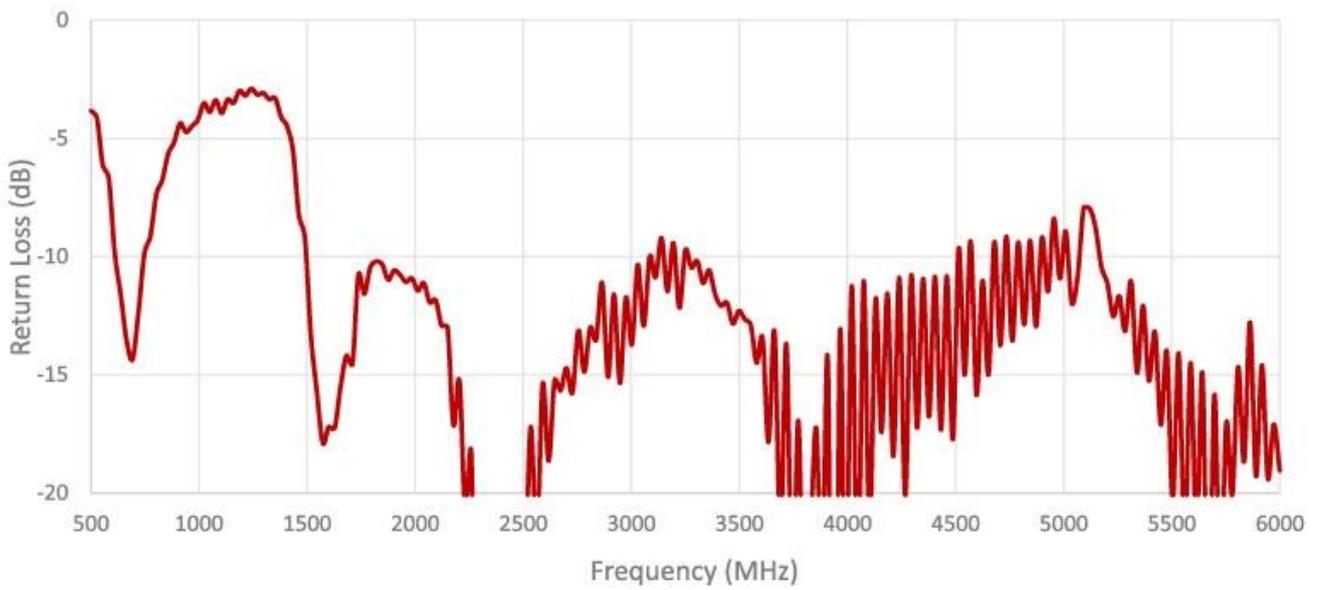
Câble 1 : 2G/3G/4G/5G - IoT/LPWAN

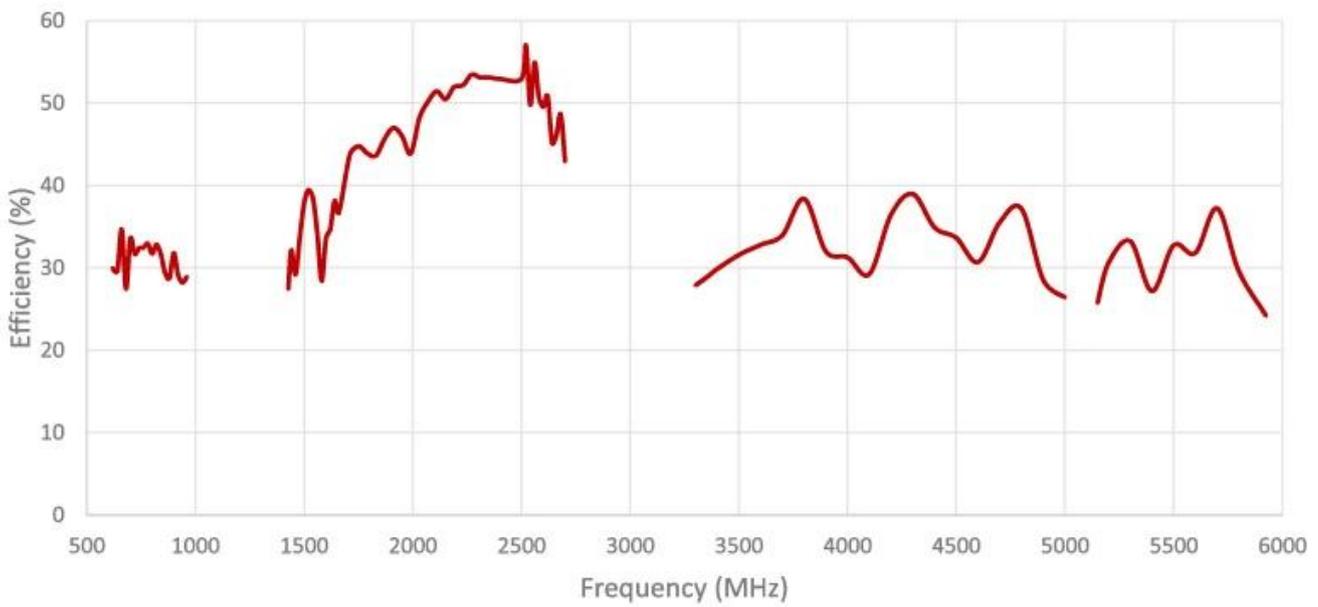
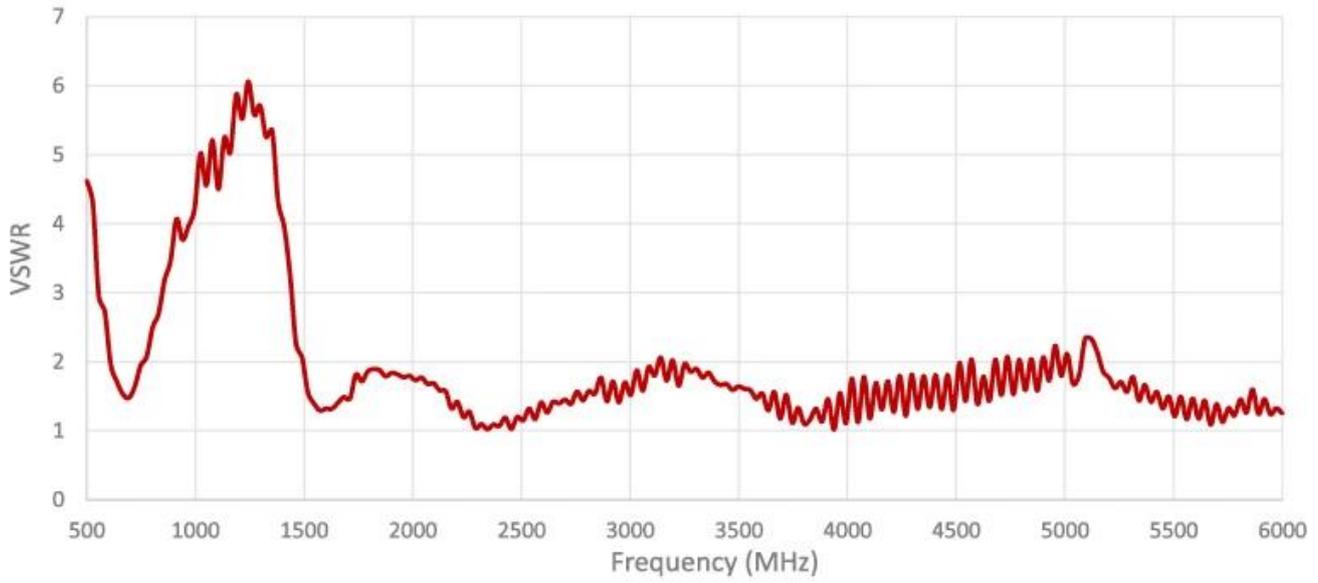


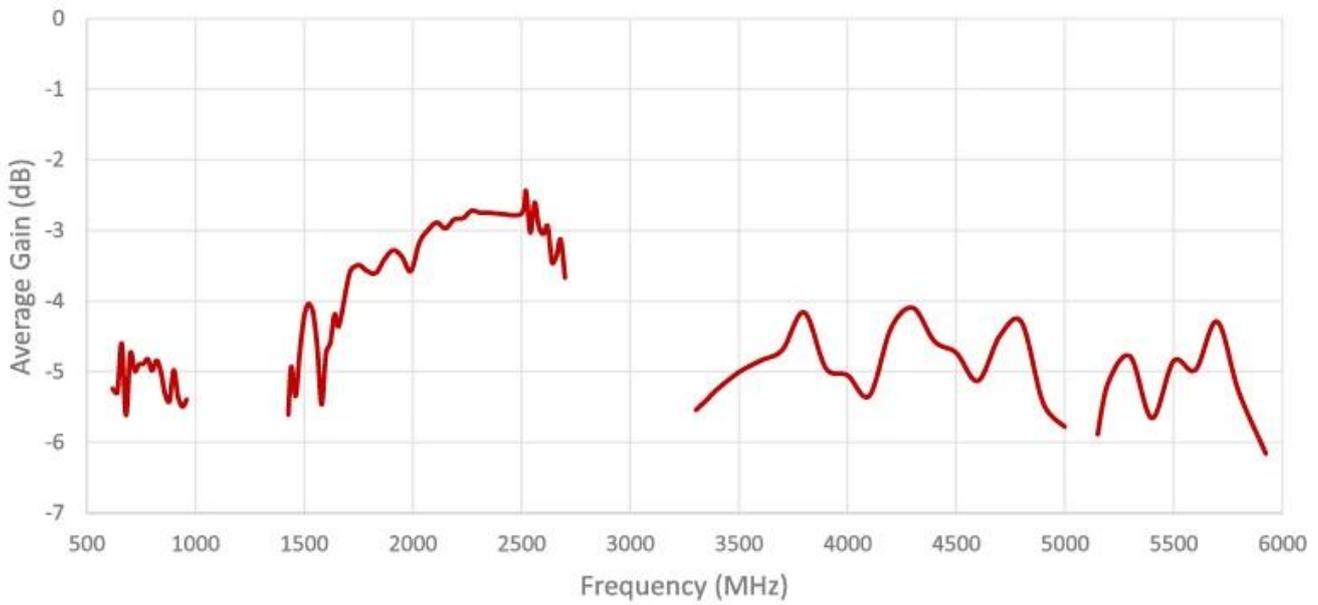
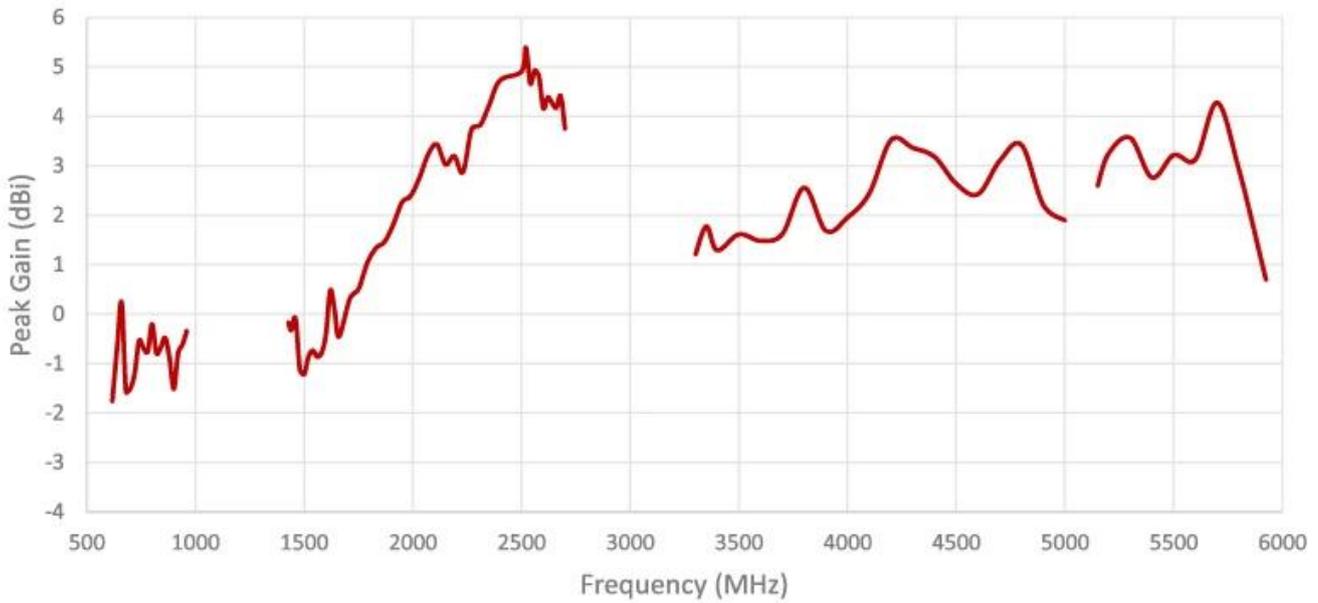




Câble 2 : 2G/3G/4G/5G - IoT/LPWAN

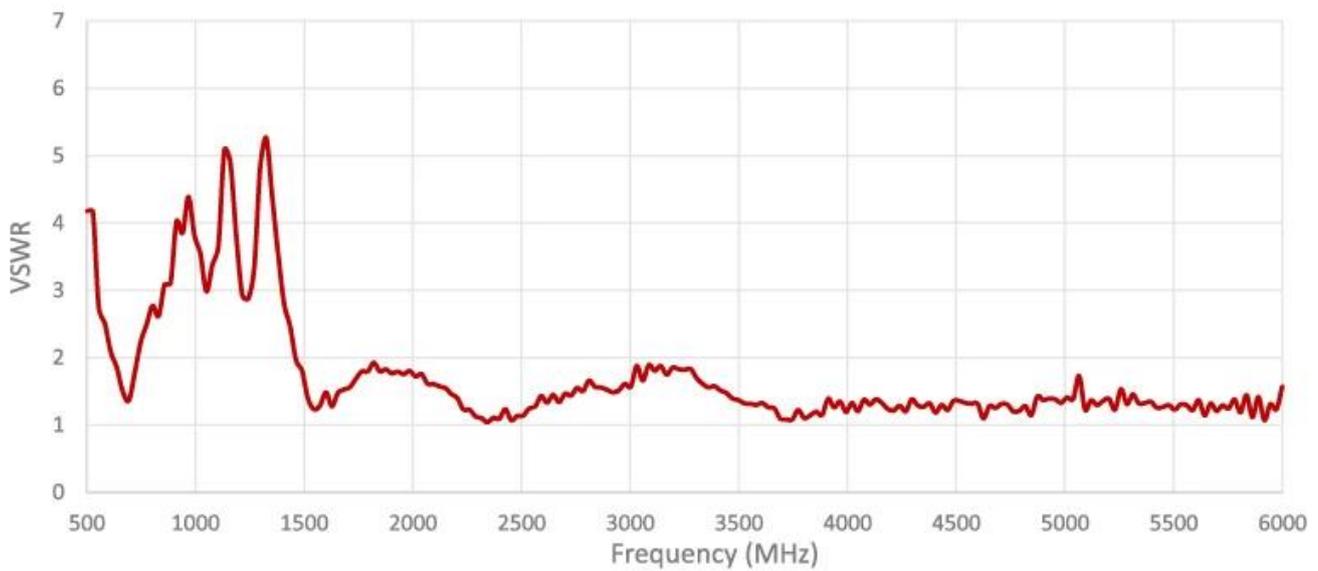
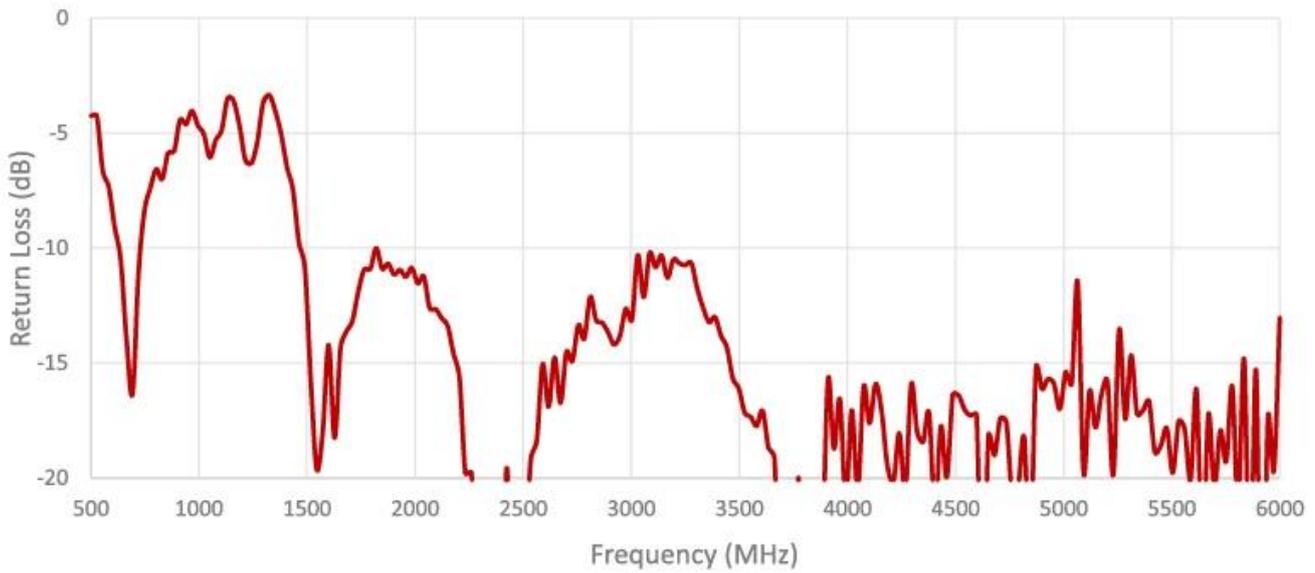


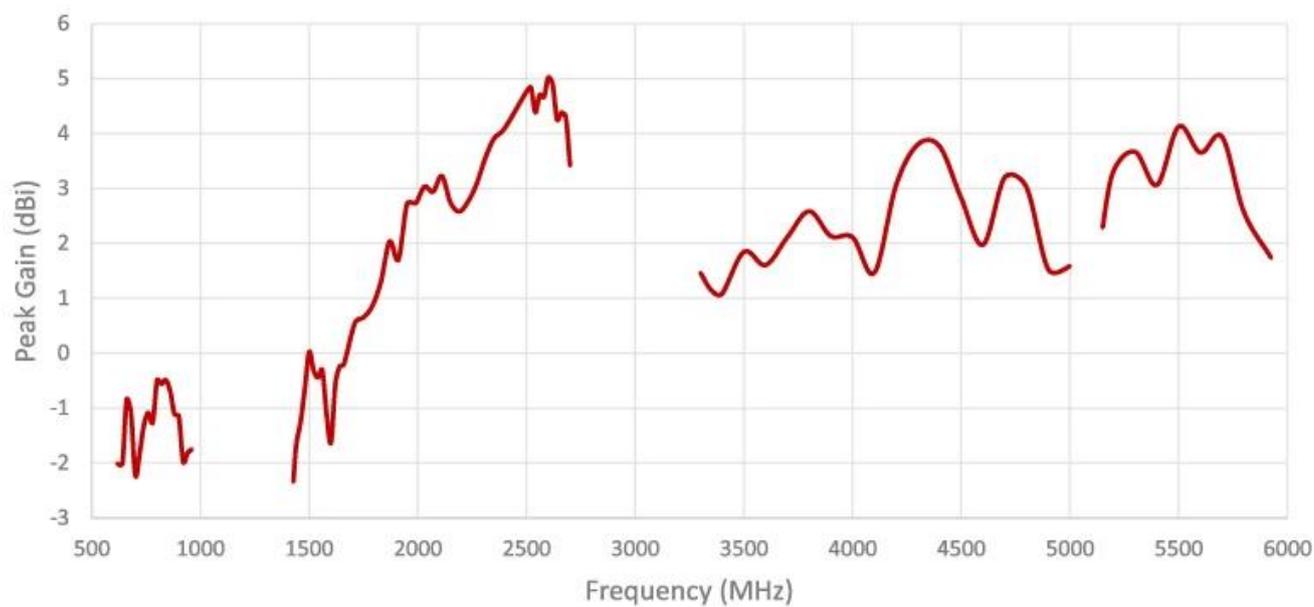
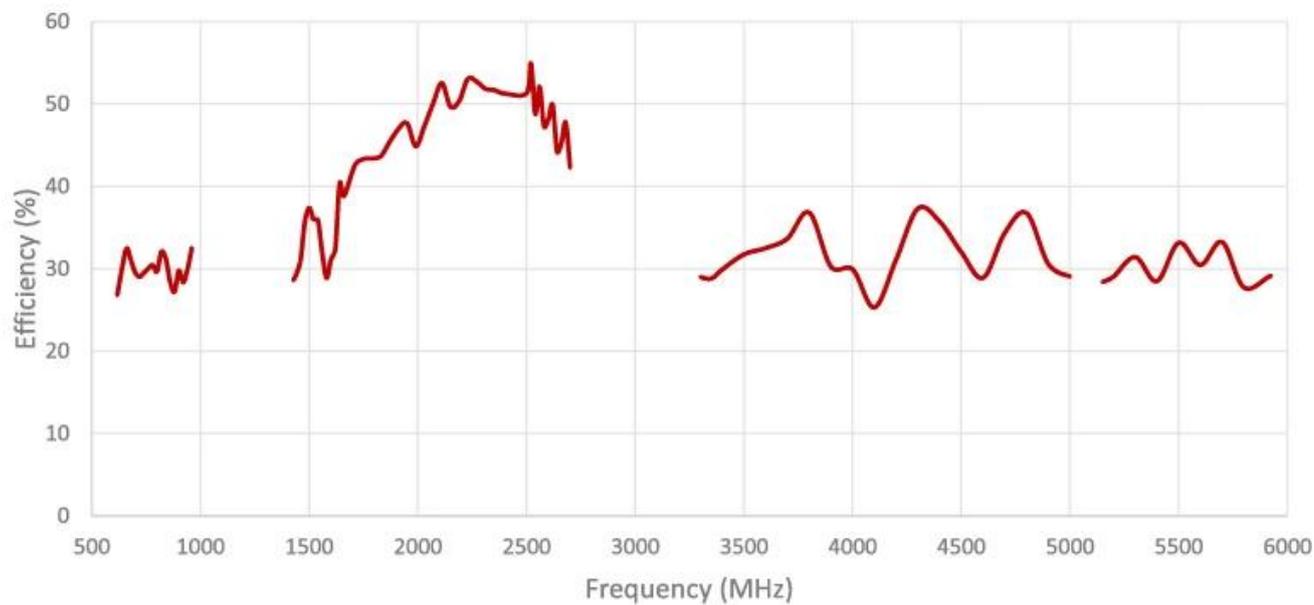


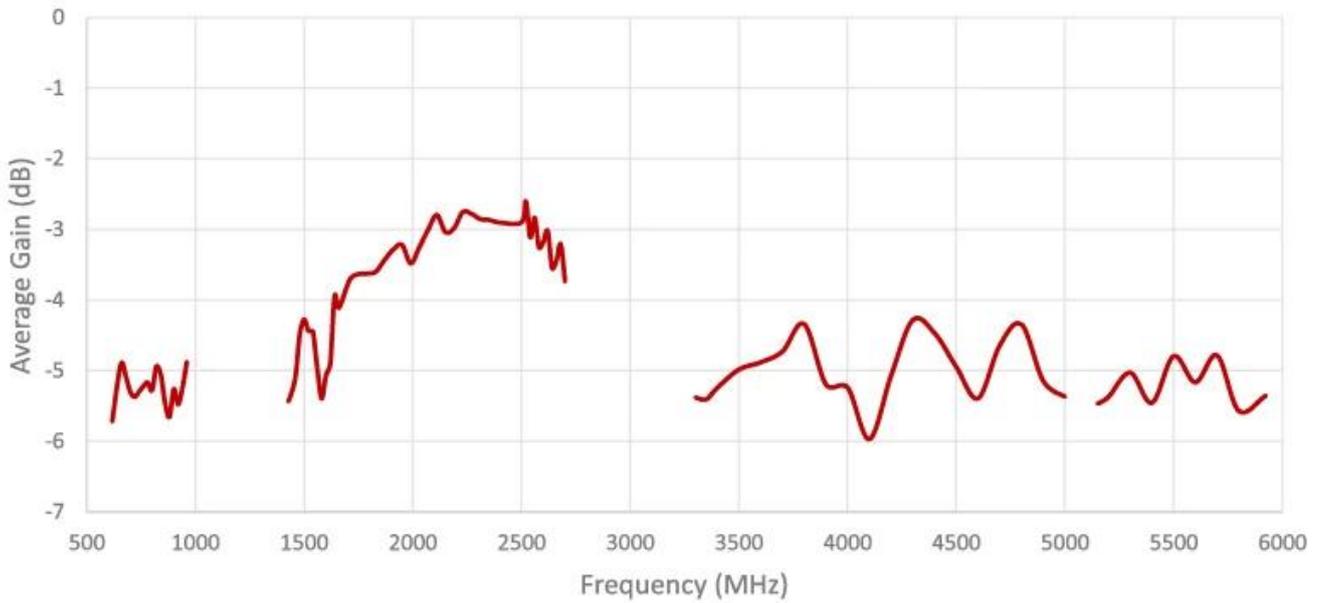




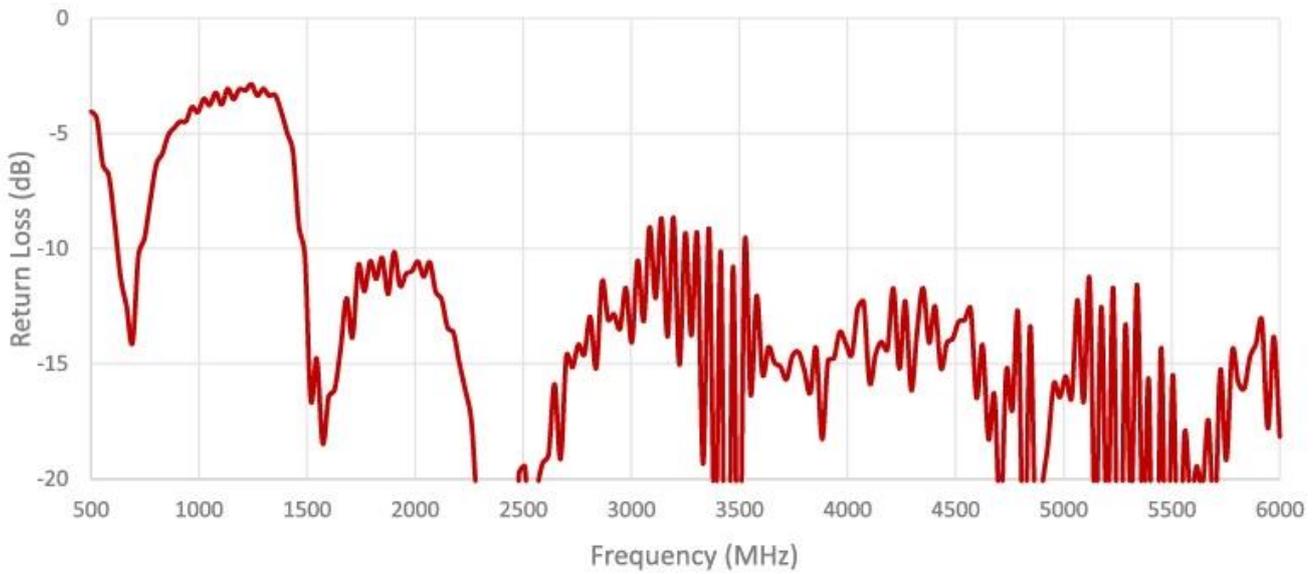
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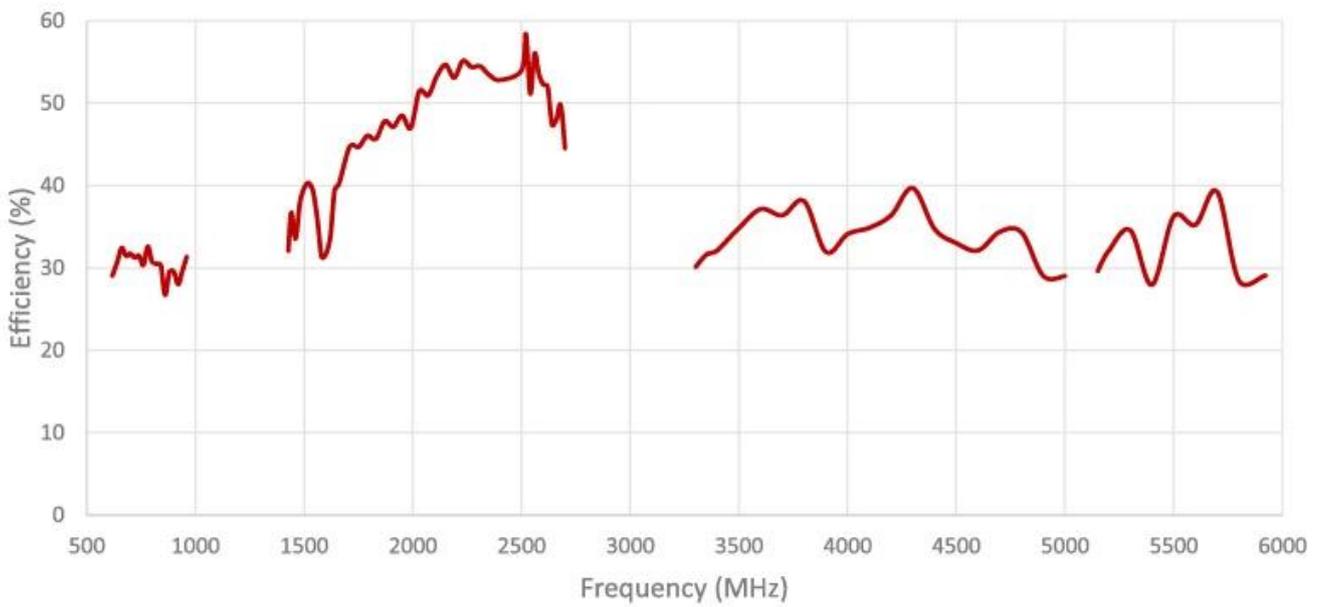
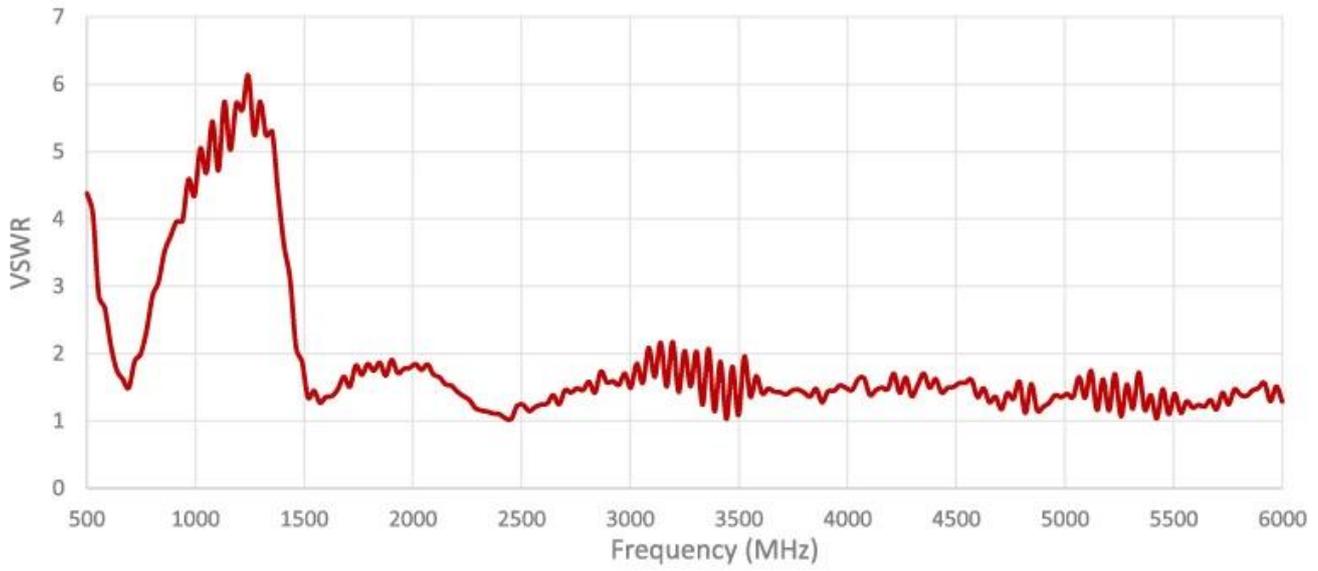


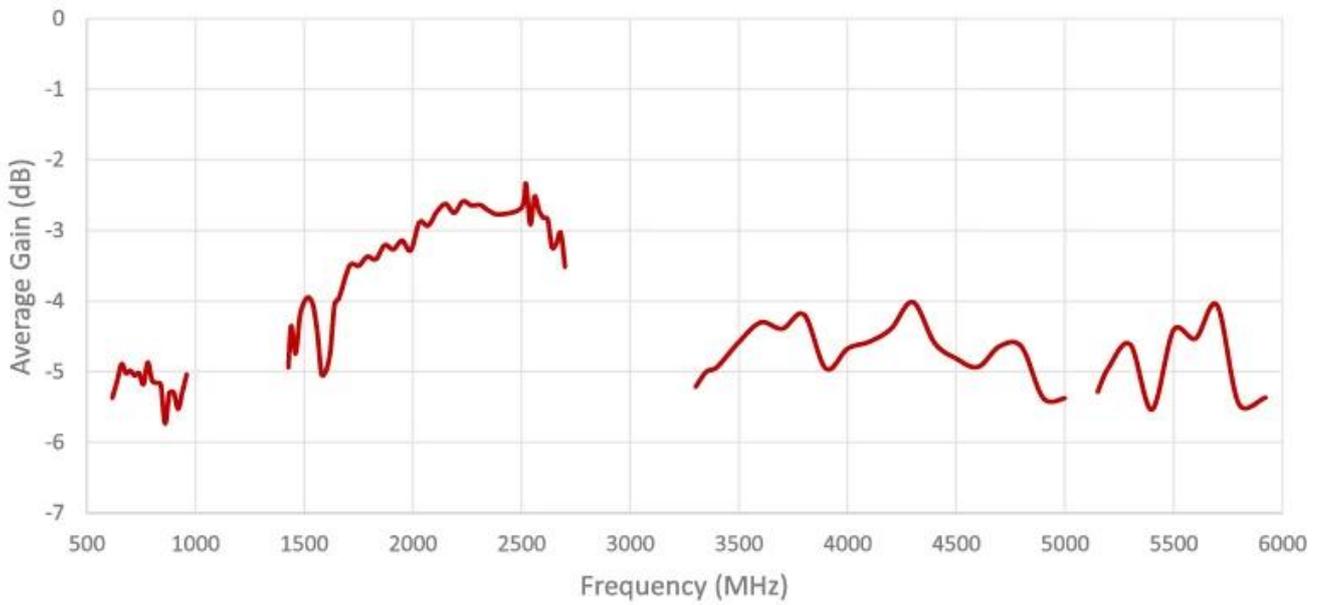
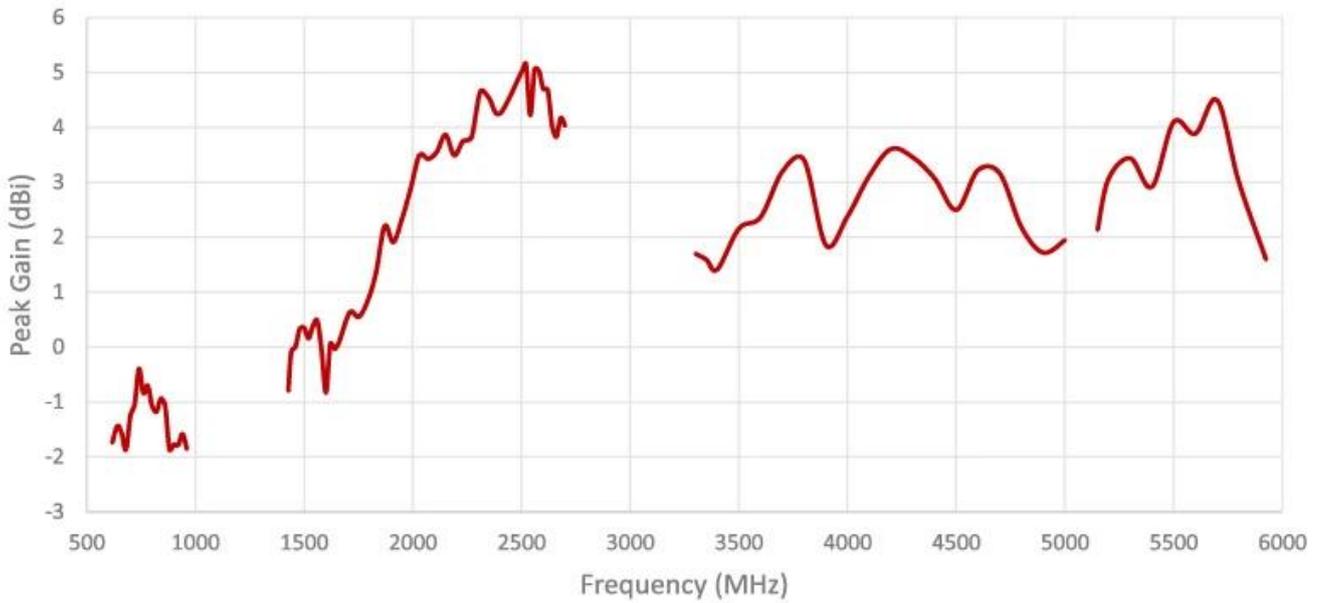




Câble 4 : 2G/3G/4G/5G - IoT/LPWAN

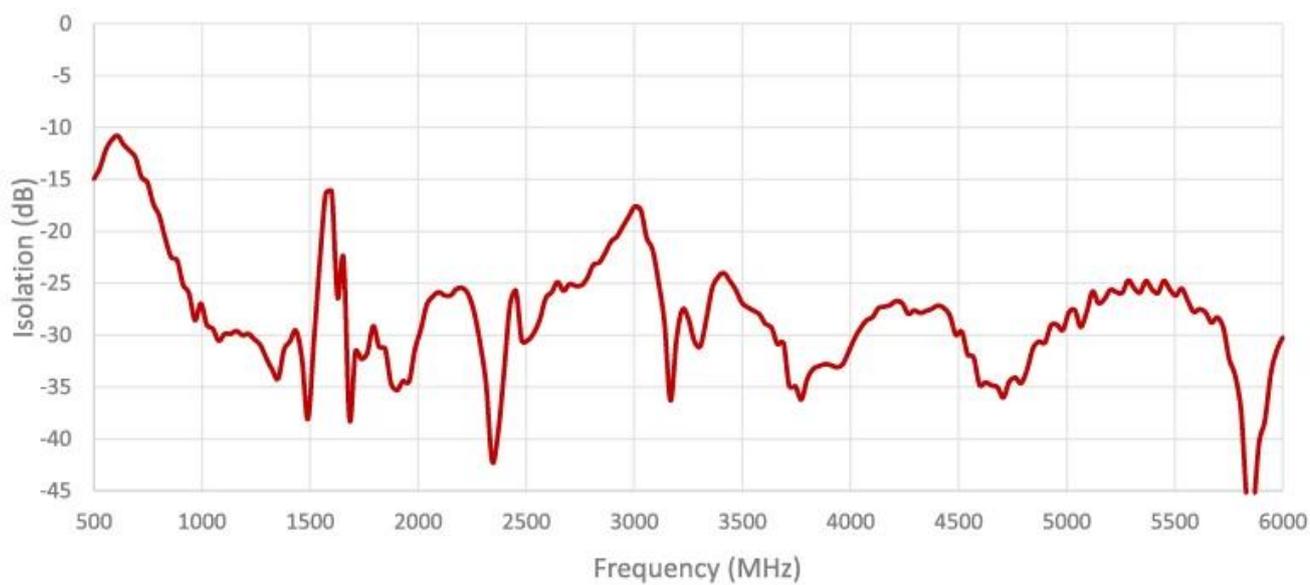




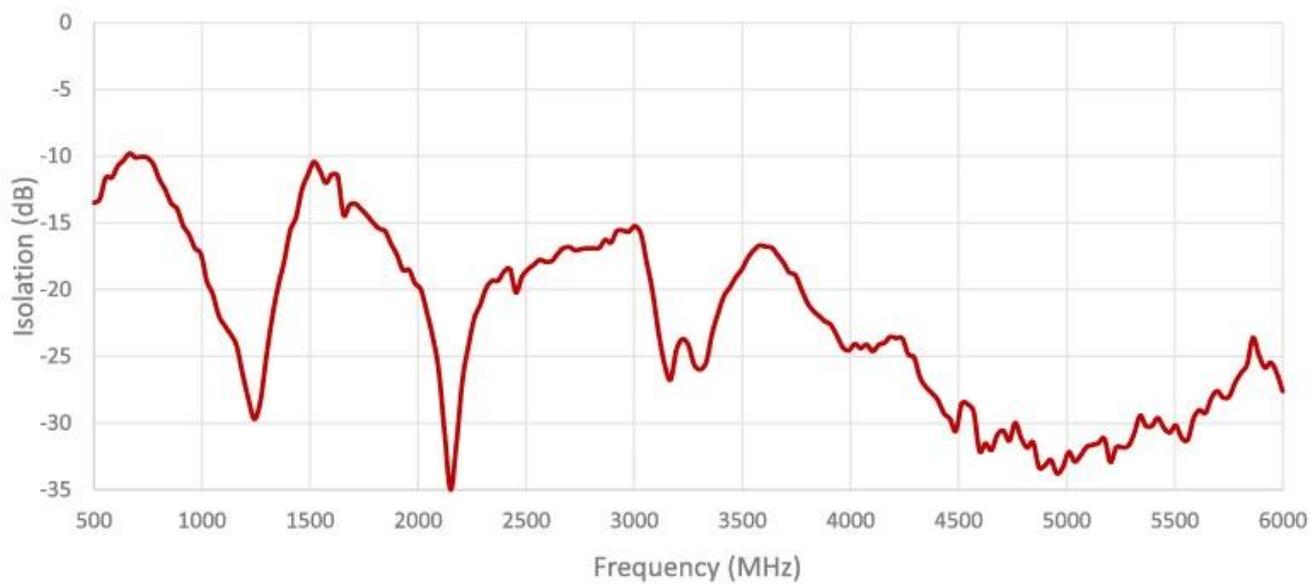




Isolation câble 1 et 2

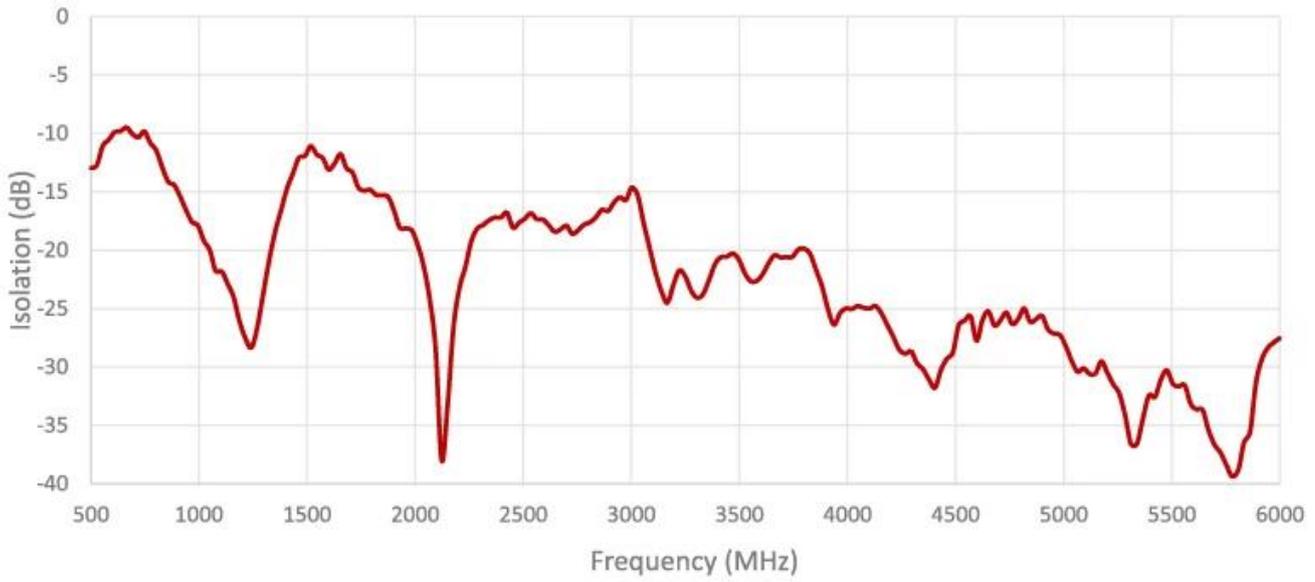


Isolation câble 1 et 3

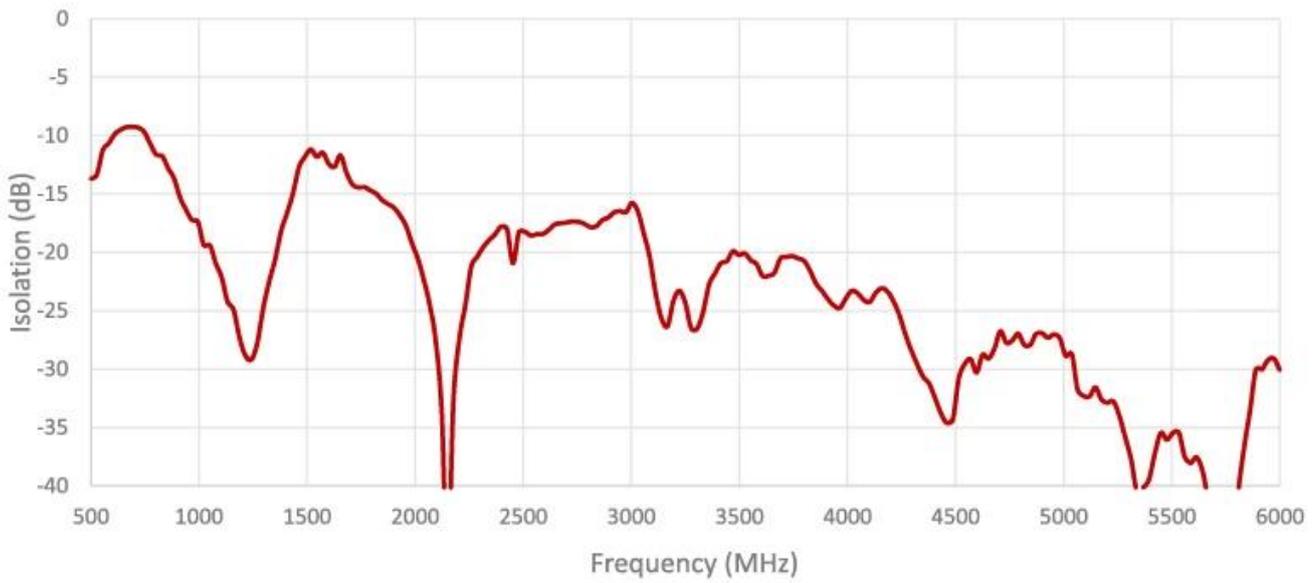




Isolation câble 1 et 4

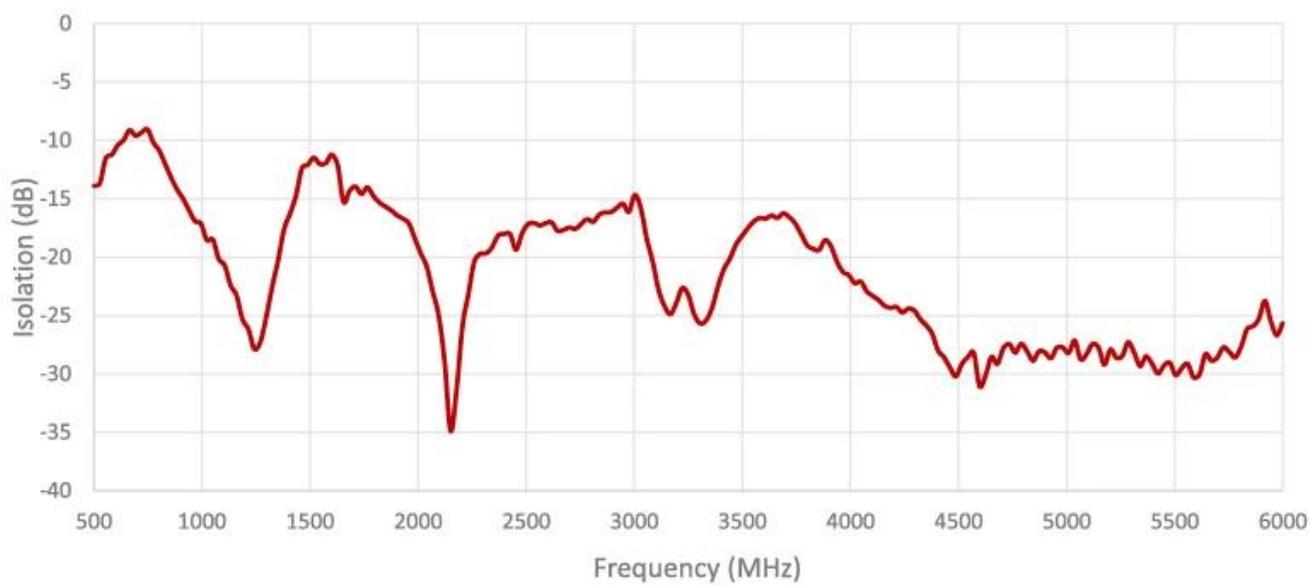


Isolation câble 2 et 3

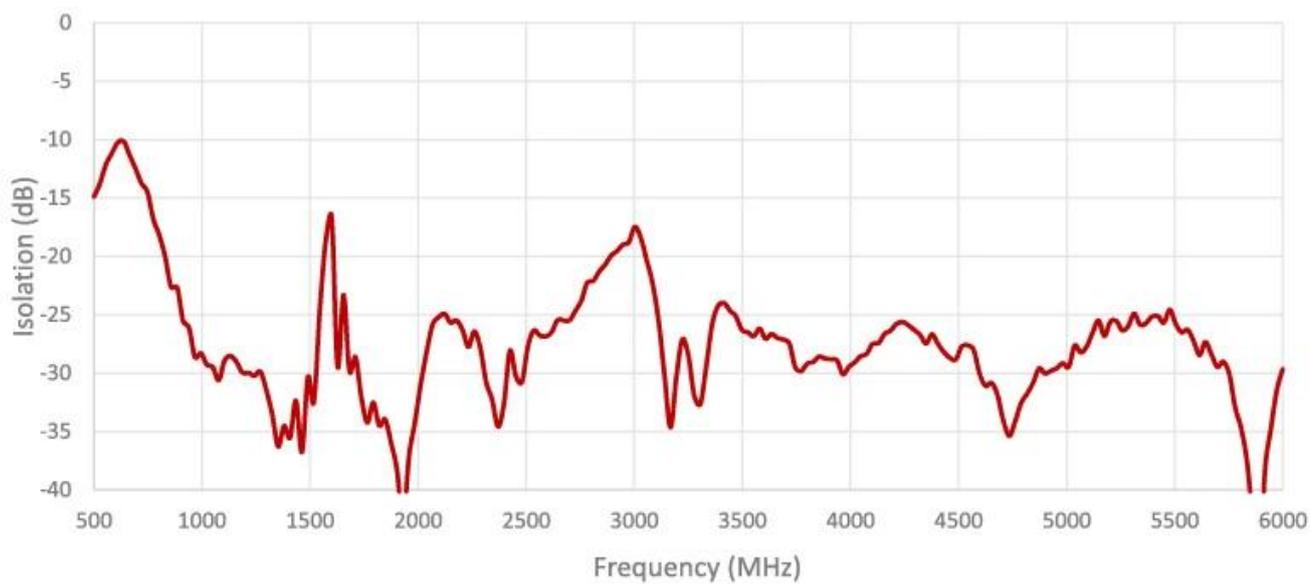




Isolation câble 2 et 4

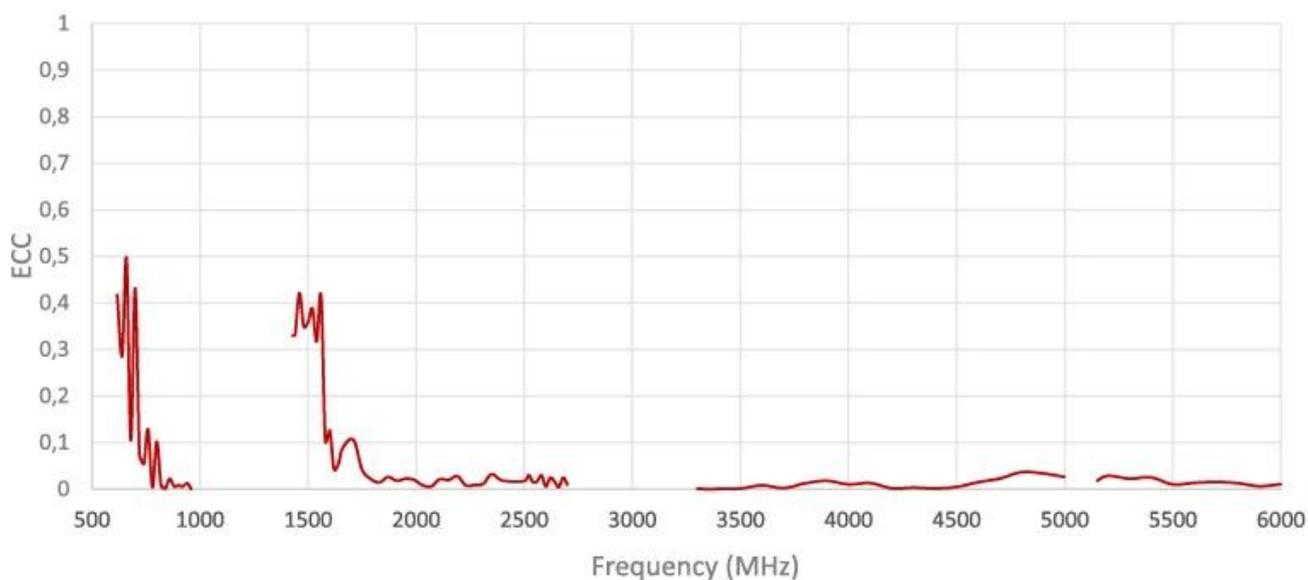


Isolation câble 3 et 4

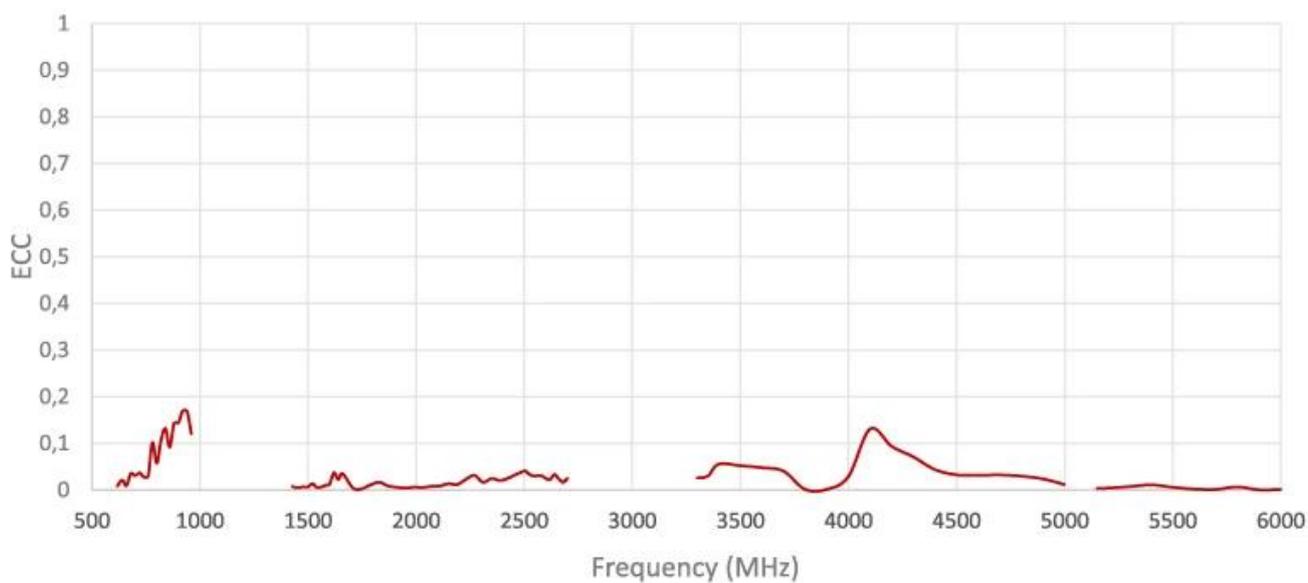




Coefficient de corrélation de l'enveloppe câble 1 et 2

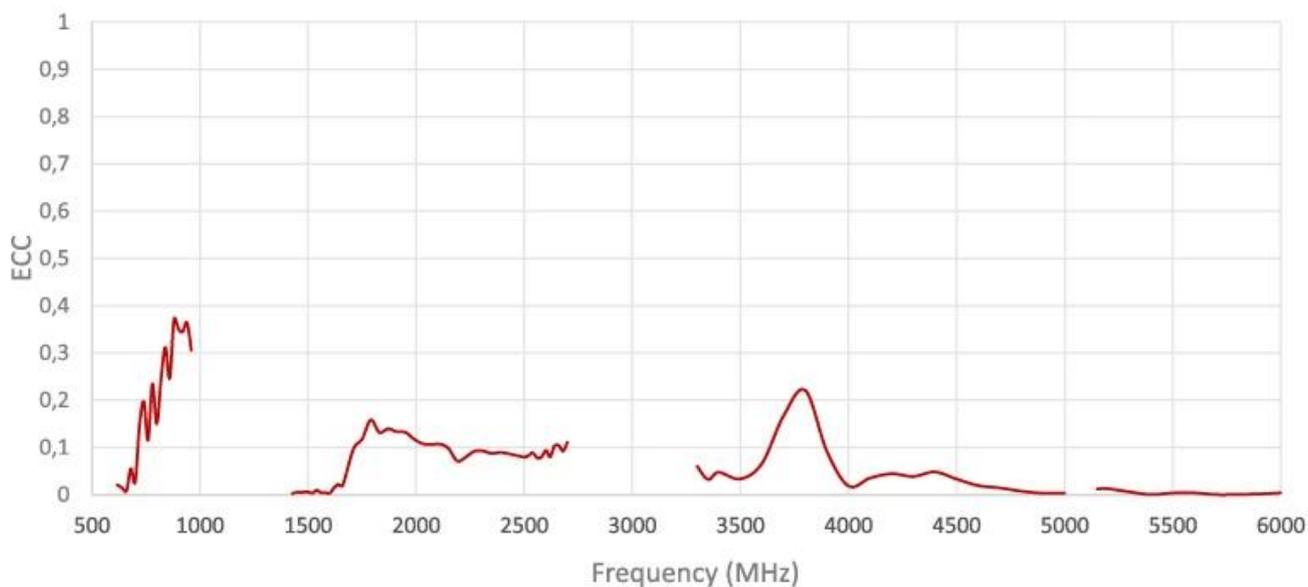


Coefficient de corrélation de l'enveloppe câble 1 et 3

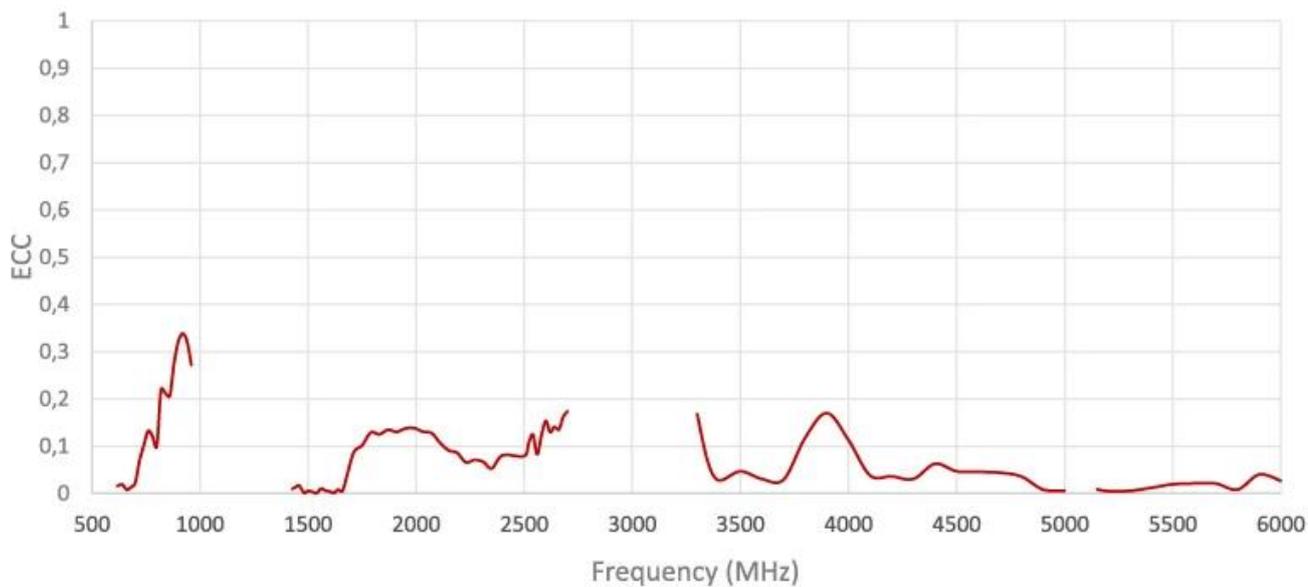




Coefficient de corrélation de l'enveloppe câble 1 et 4

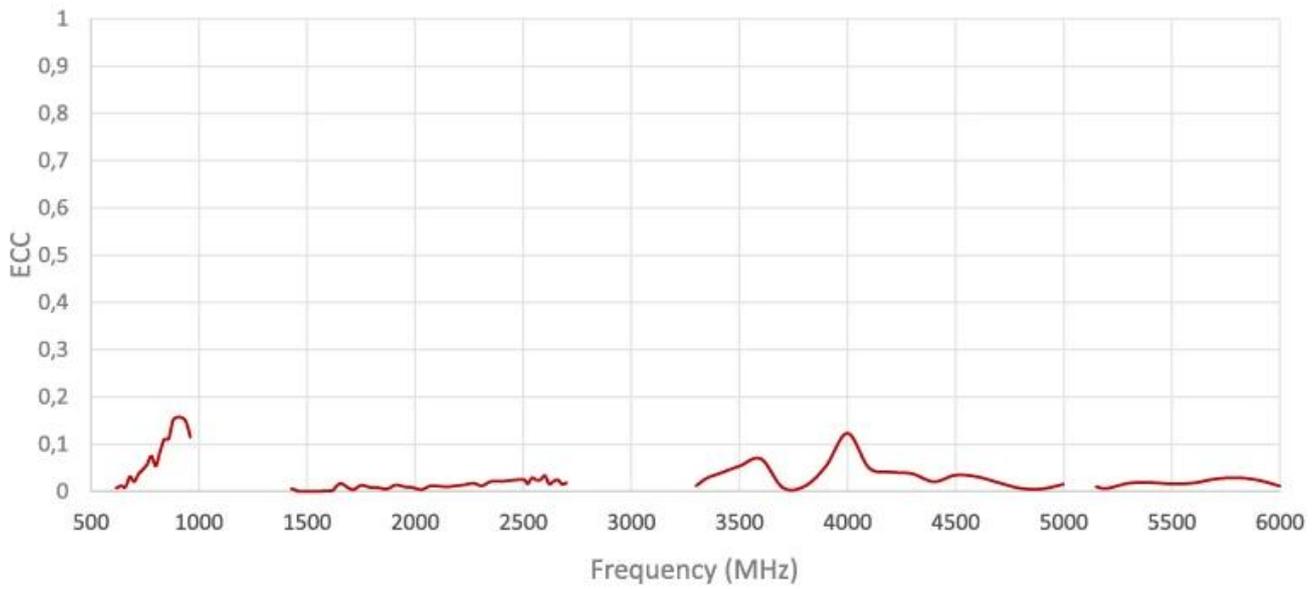


Coefficient de corrélation de l'enveloppe câble 2 et 3

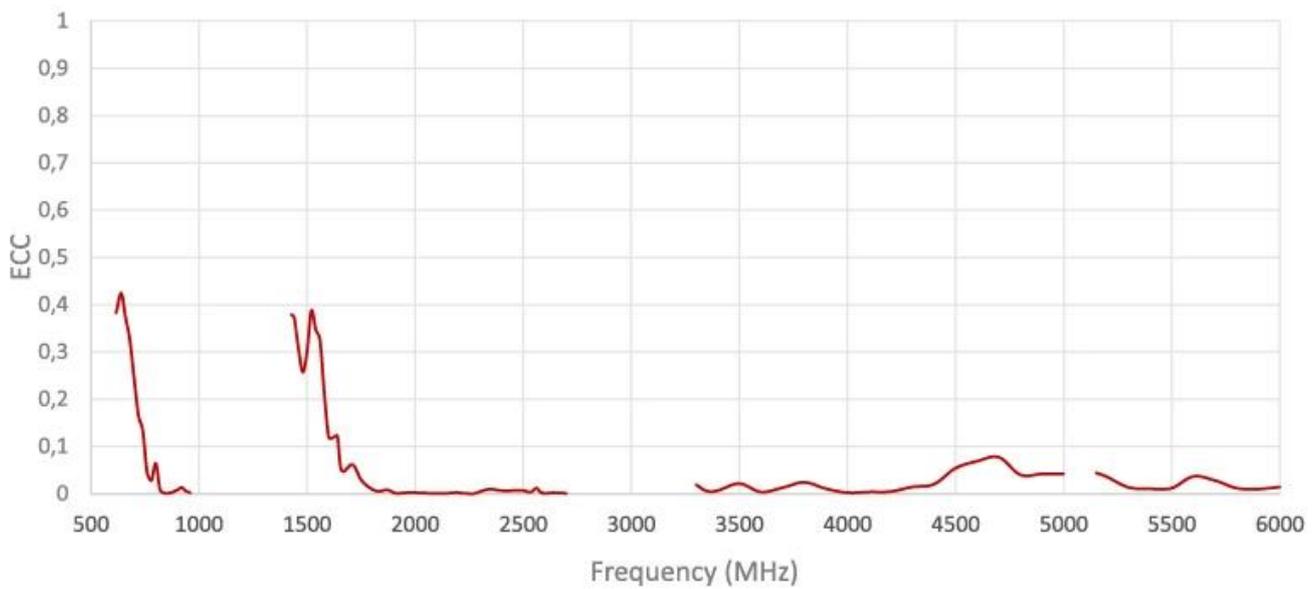


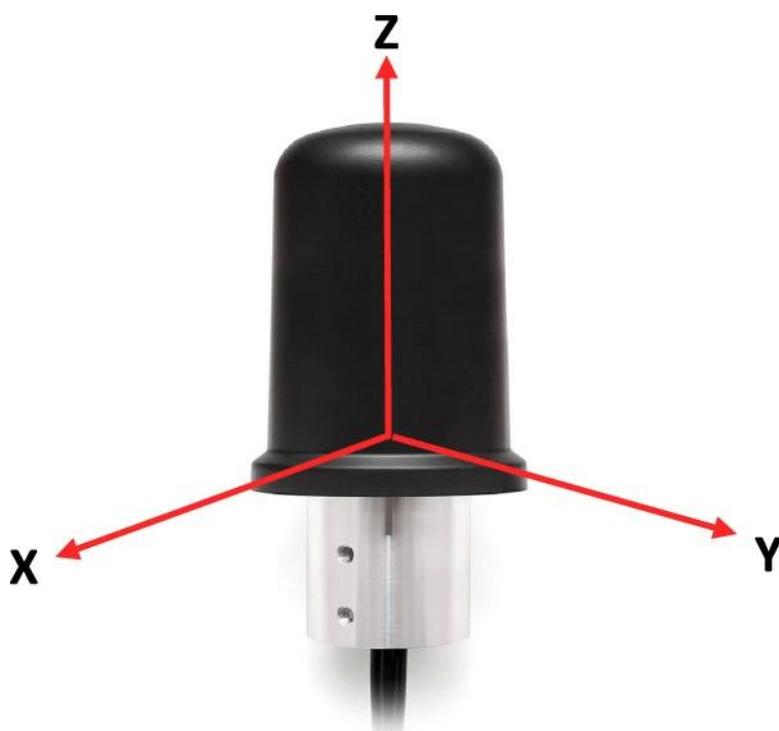


Coefficient de corrélation de l'enveloppe câble 2 et 4



Coefficient de corrélation de l'enveloppe câble 3 et 4

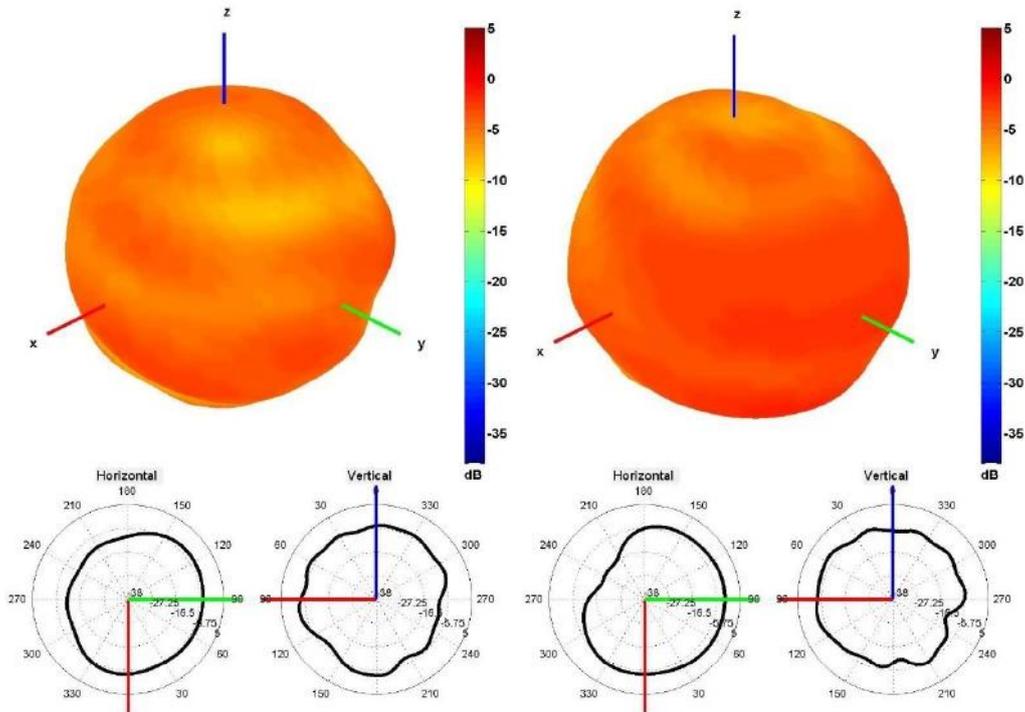




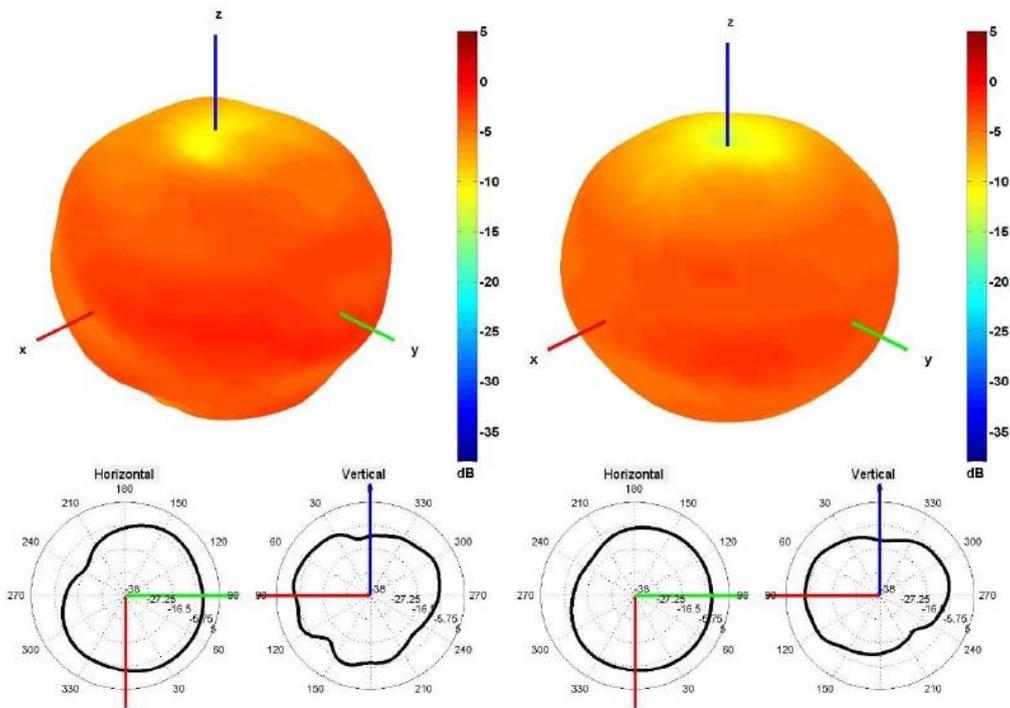
Radiation pattern reference



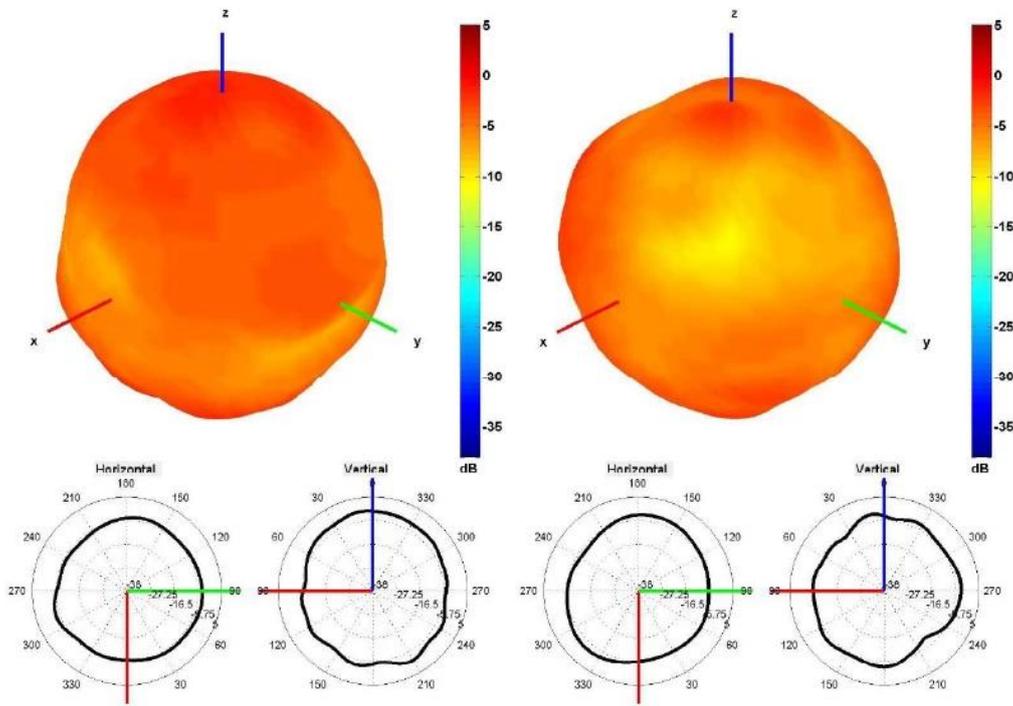
Câble 1 : 2G/3G/4G/5G - IoT/LPWAN



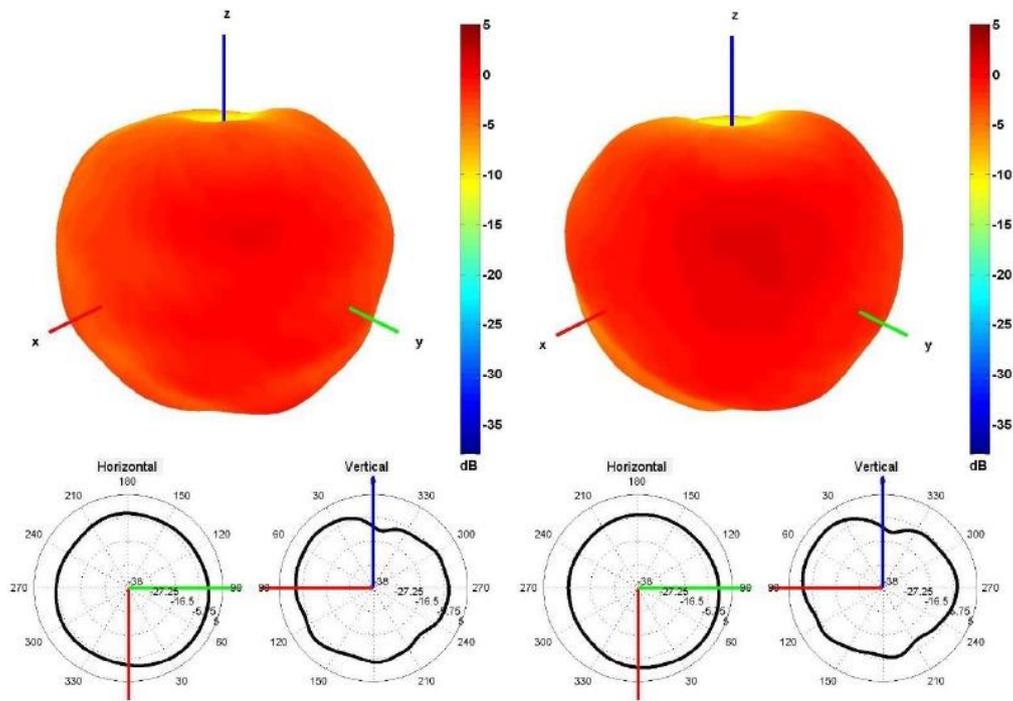
650 and 750 MHz Radiation pattern



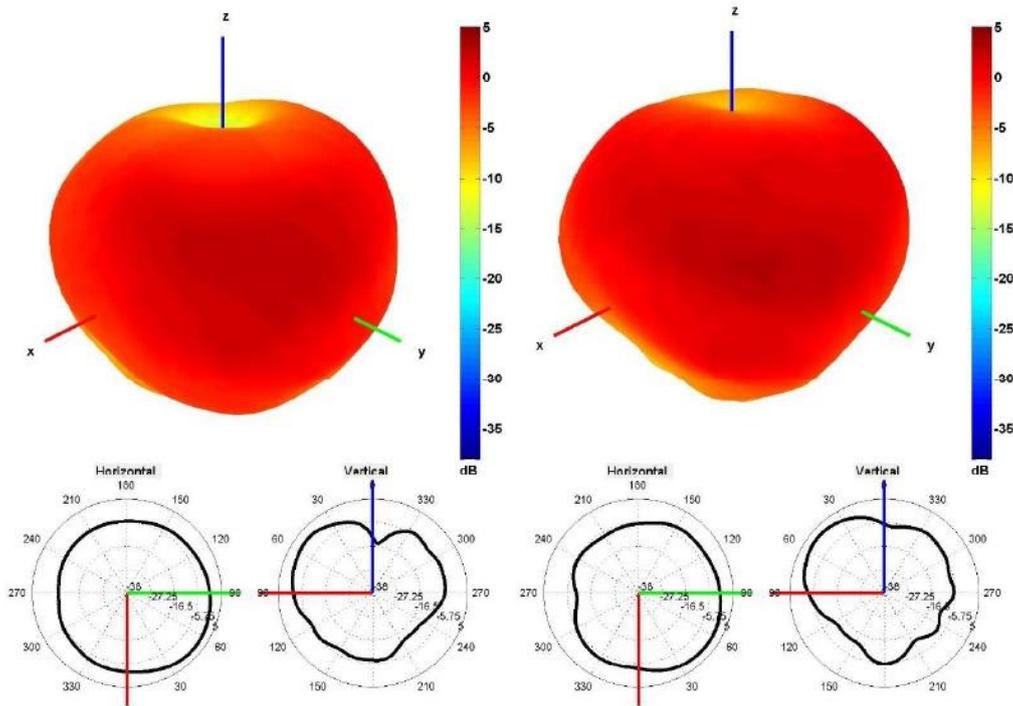
850 and 940 MHz Radiation pattern



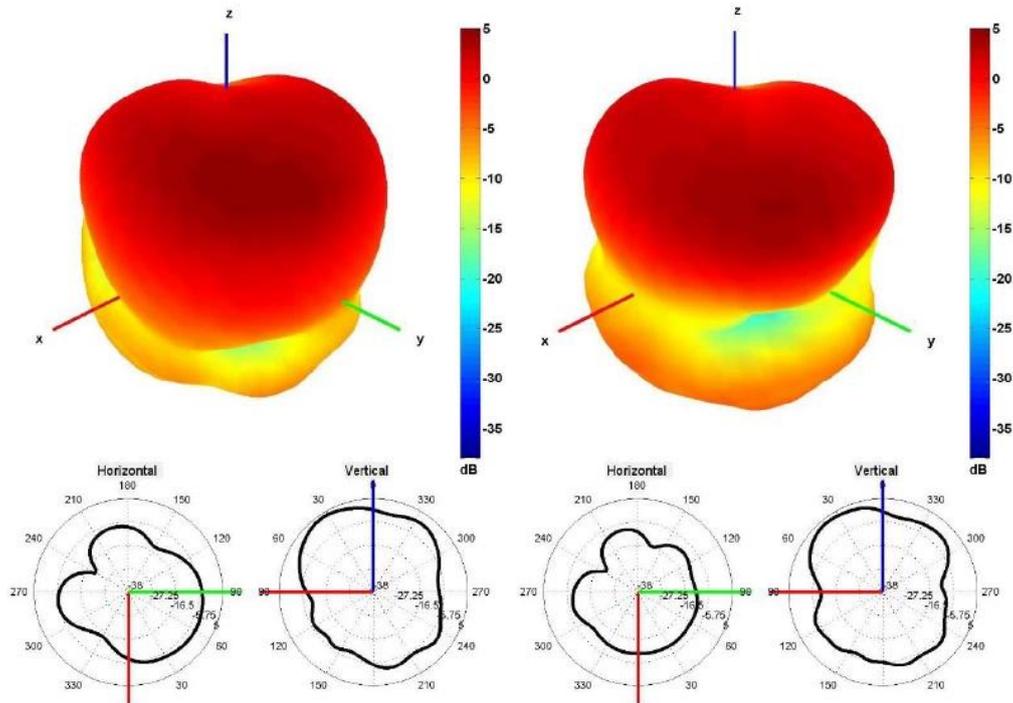
1500 and 1600 MHz Radiation pattern



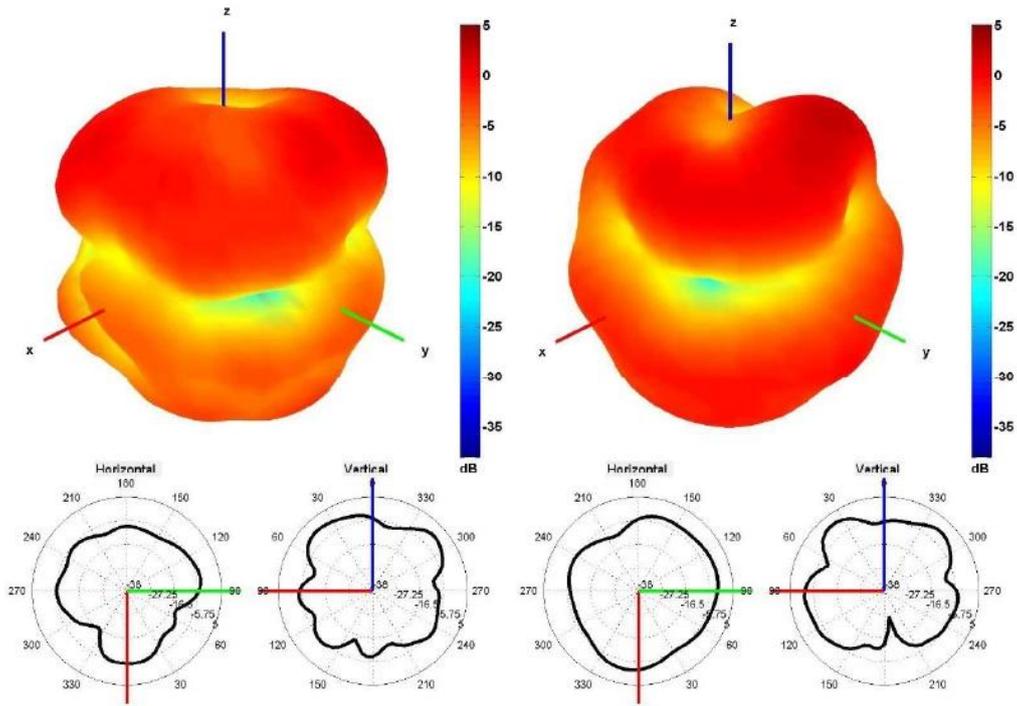
1750 and 1850 MHz Radiation pattern



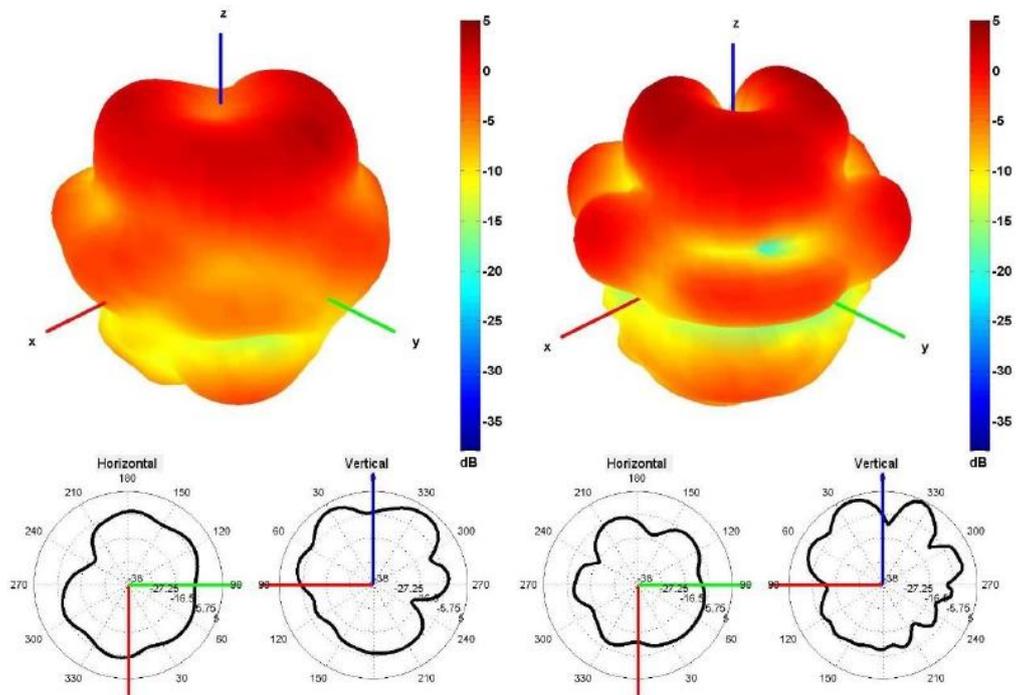
1950 and 2100 MHz Radiation pattern



2350 and 2600 MHz Radiation pattern



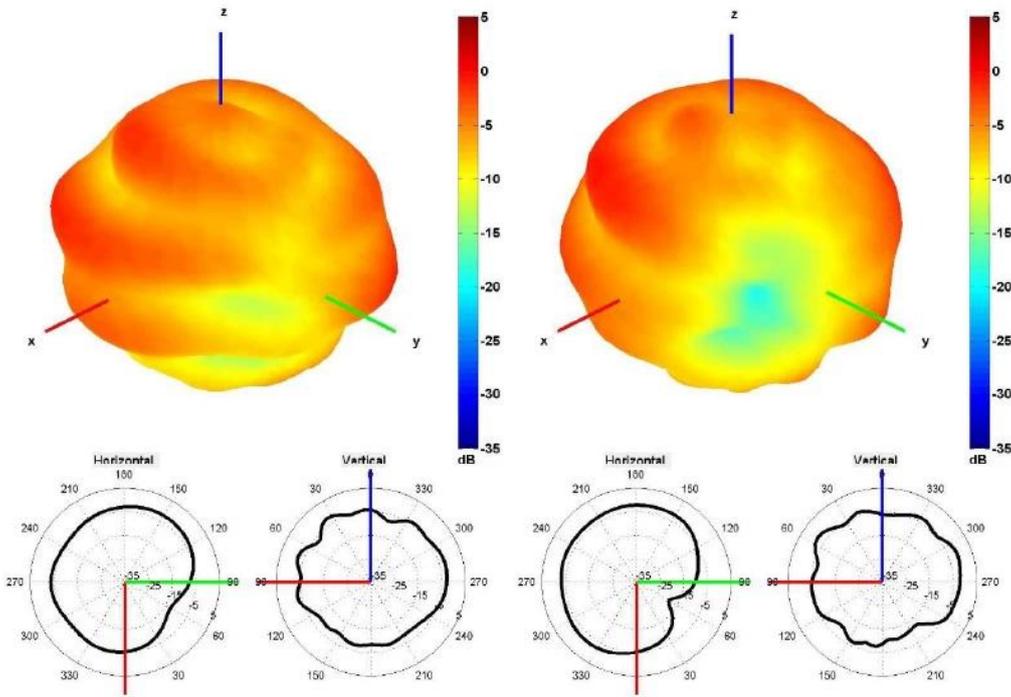
3350 and 3600 MHz Radiation pattern



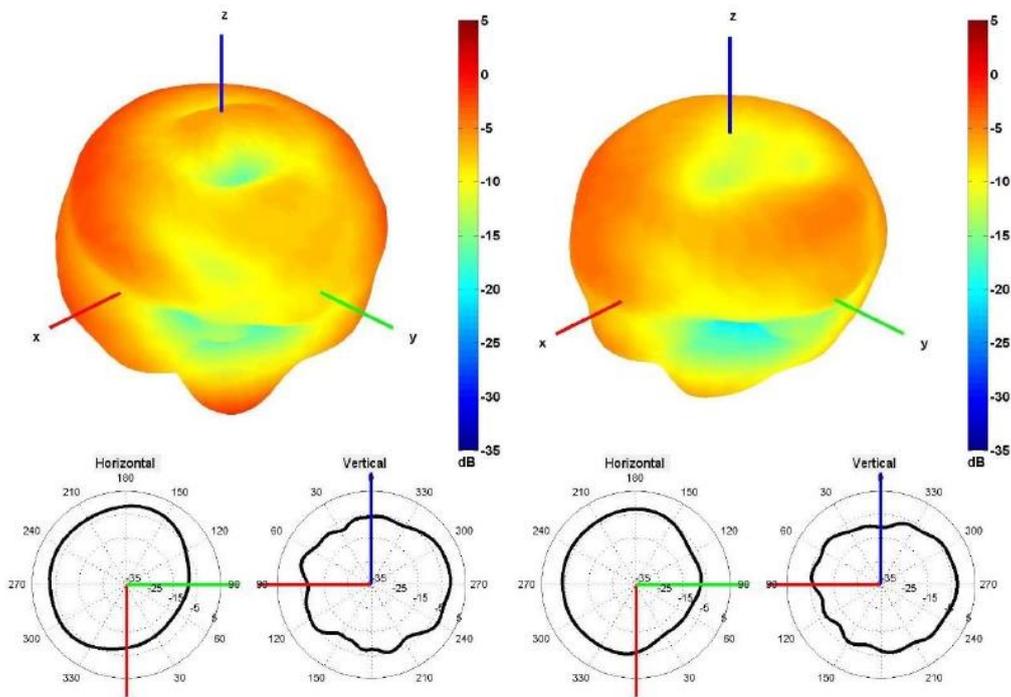
4500 and 5500 MHz Radiation pattern



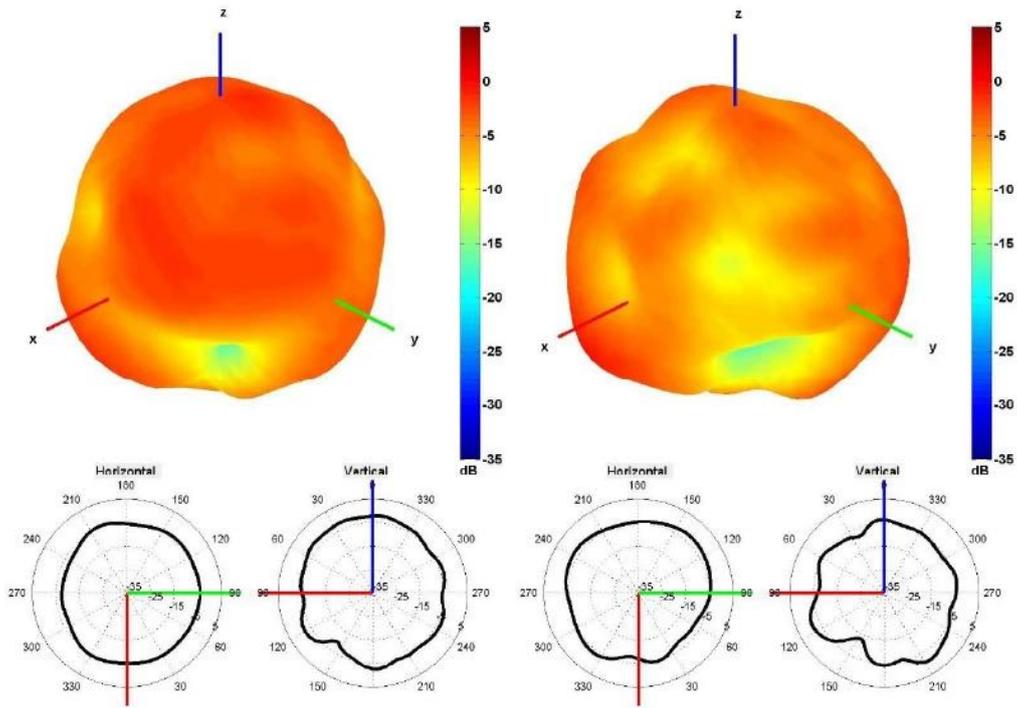
Câble 2 : 2G/3G/4G/5G - IoT/LPWAN



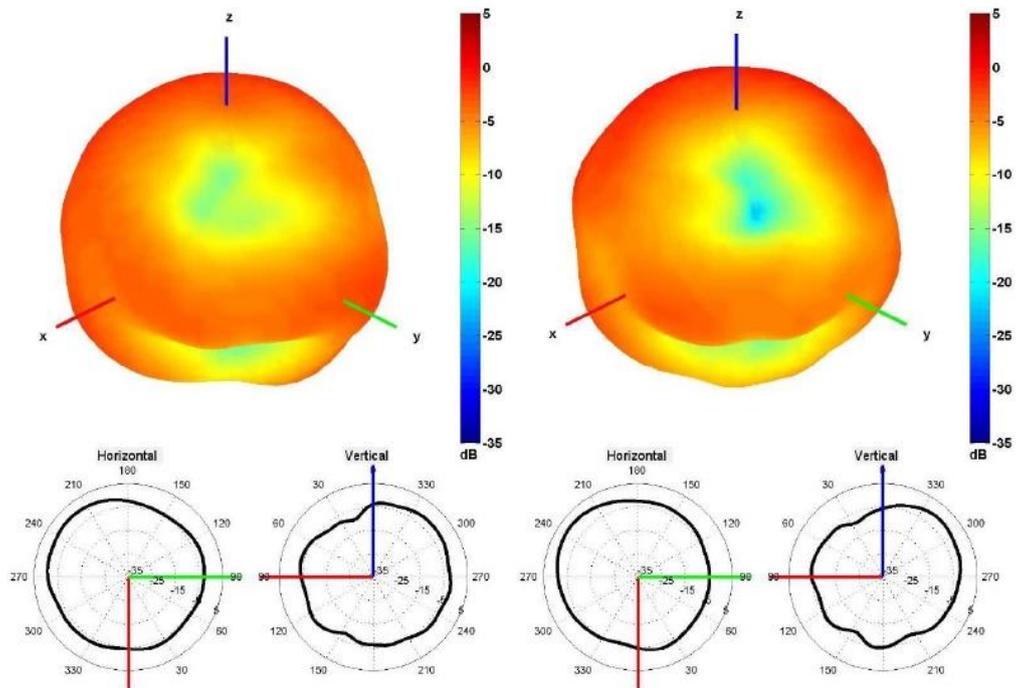
650 and 750 MHz Radiation pattern



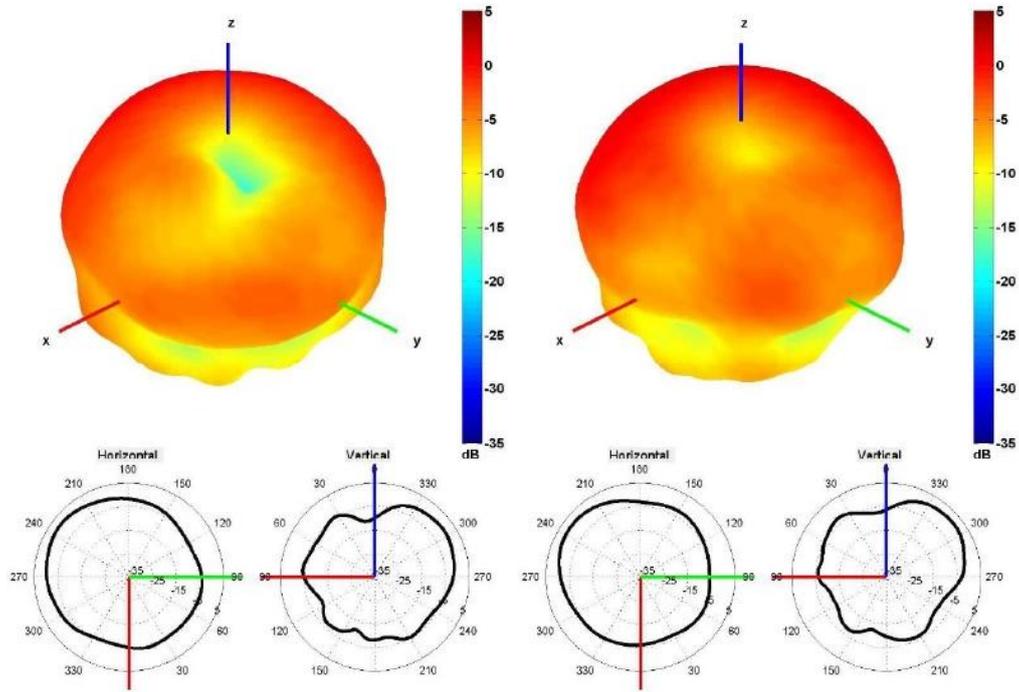
850 and 940 MHz Radiation pattern



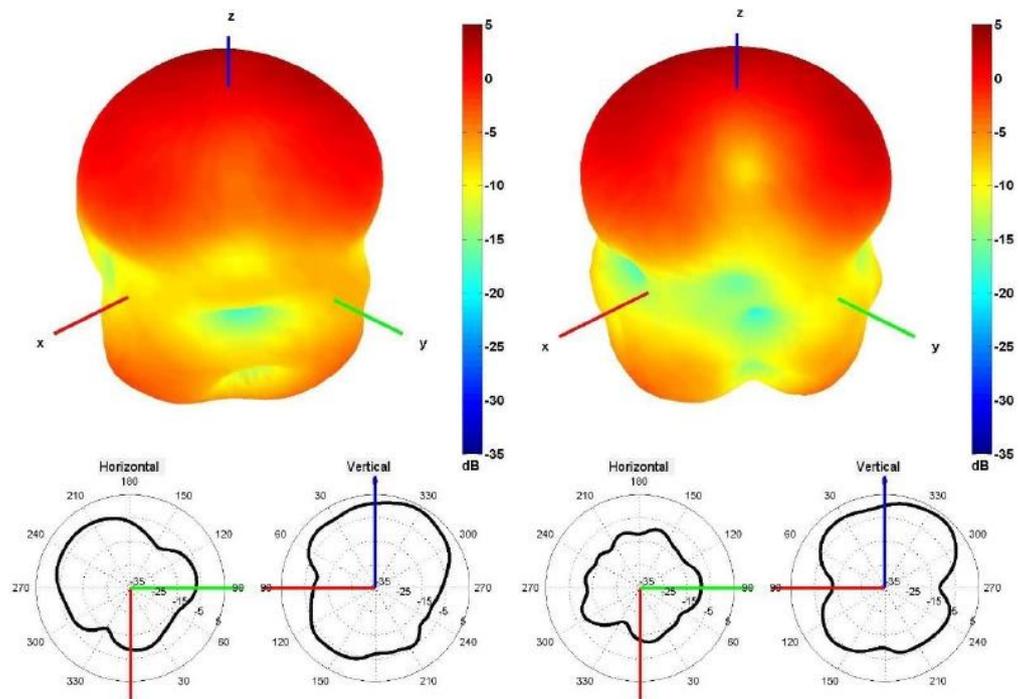
1500 and 1600 MHz Radiation pattern



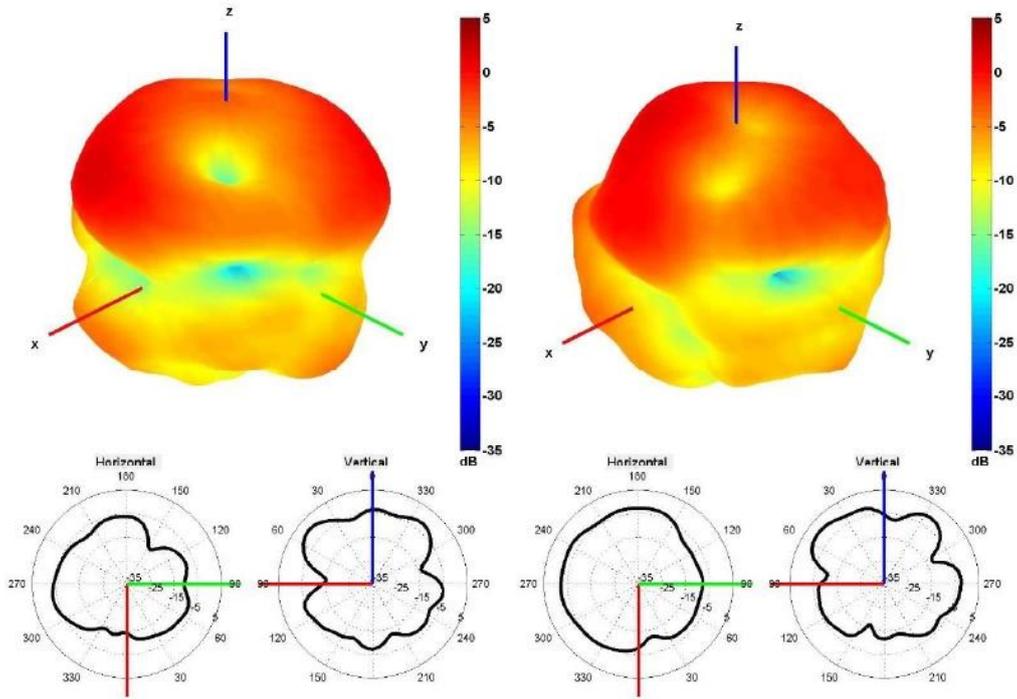
1750 and 1850 MHz Radiation pattern



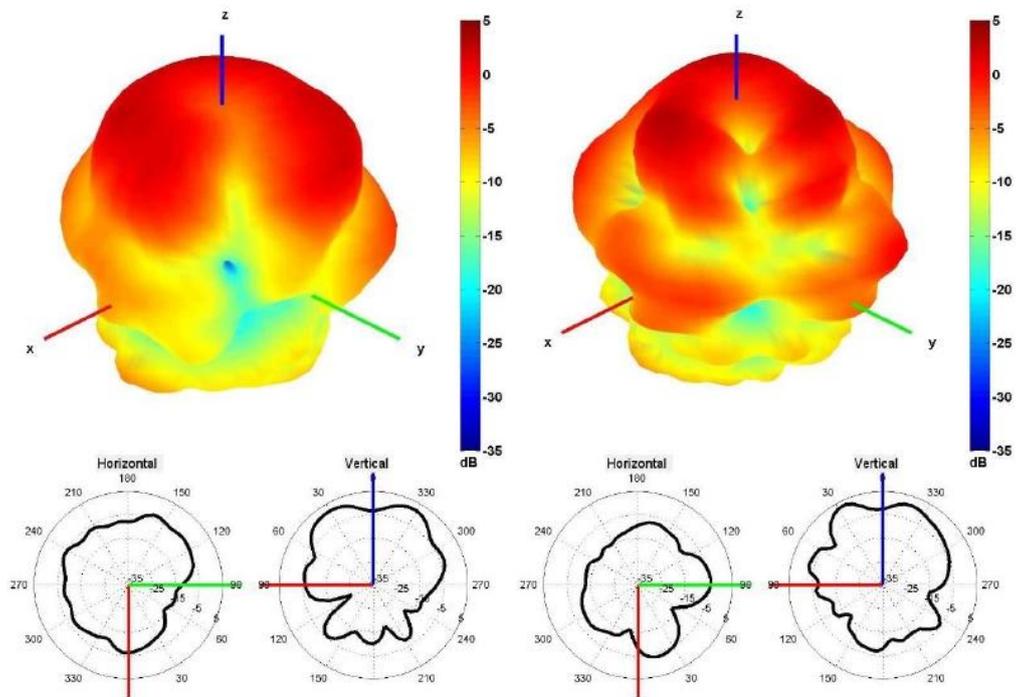
1950 and 2100 MHz Radiation pattern



2350 and 2600 MHz Radiation pattern



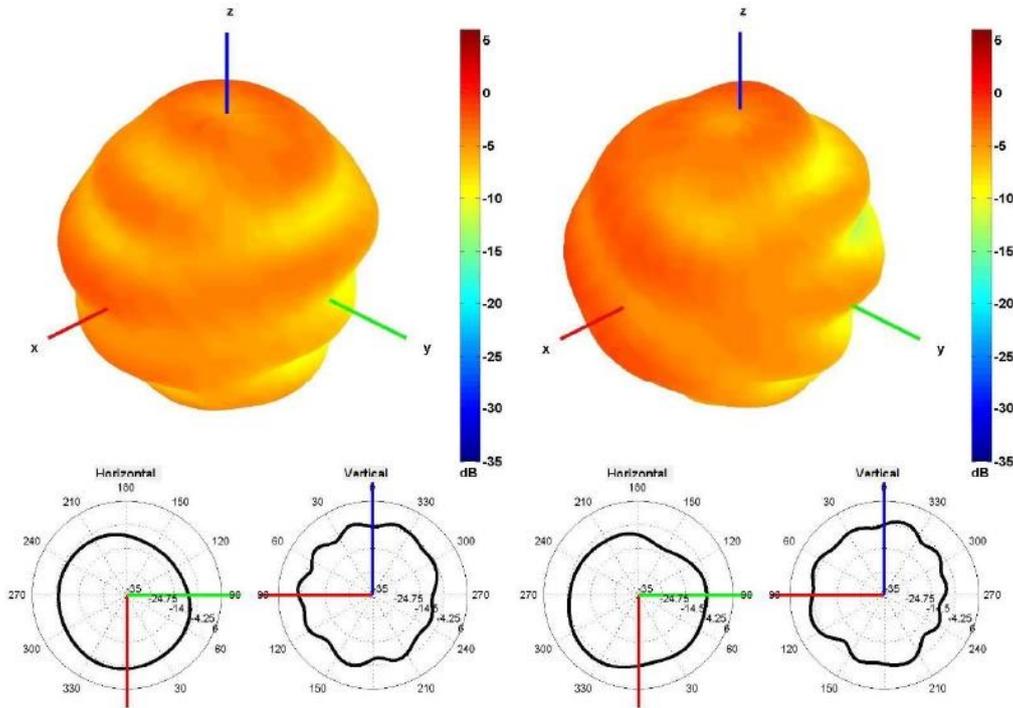
3350 and 3600 MHz Radiation pattern



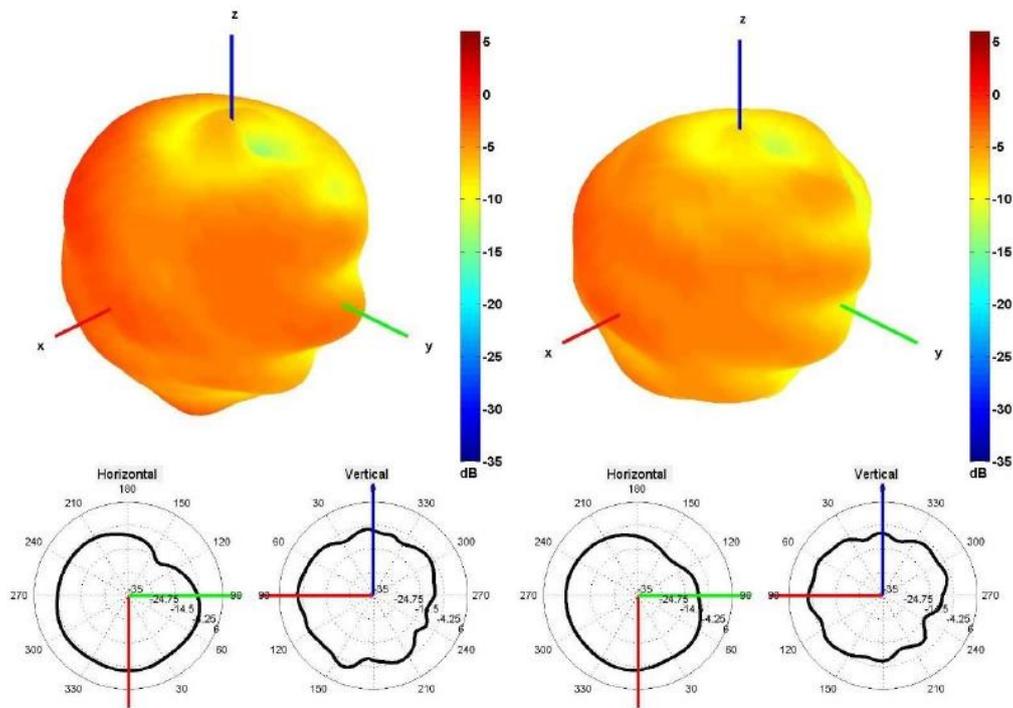
4500 and 5500 MHz Radiation pattern



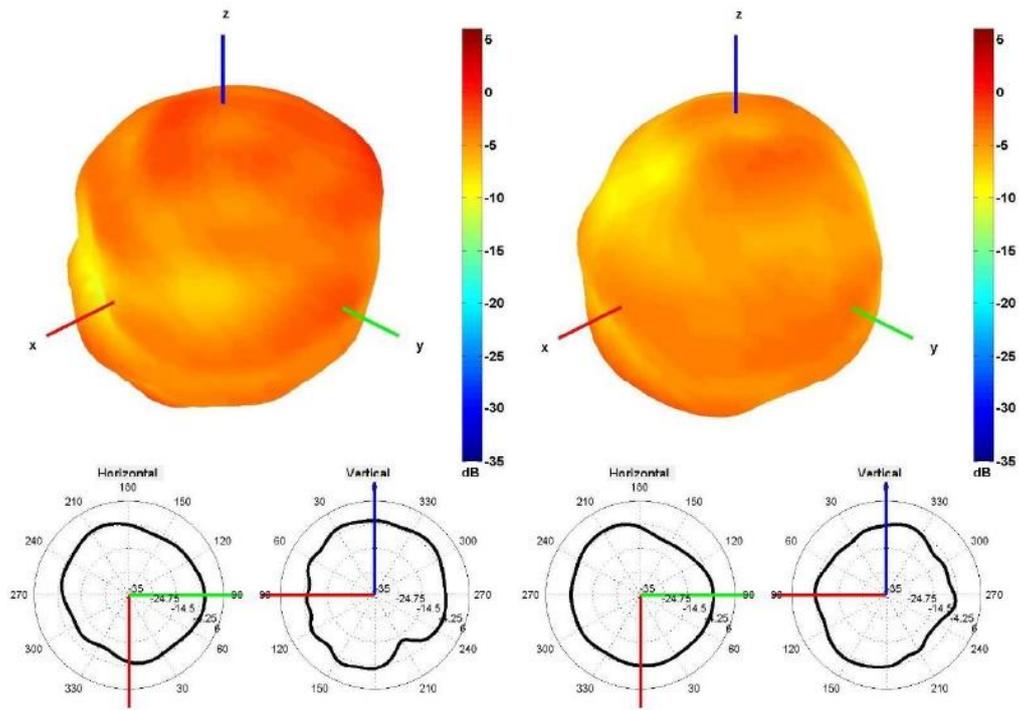
Câble 3 : 2G/3G/4G/5G - IoT/LPWAN



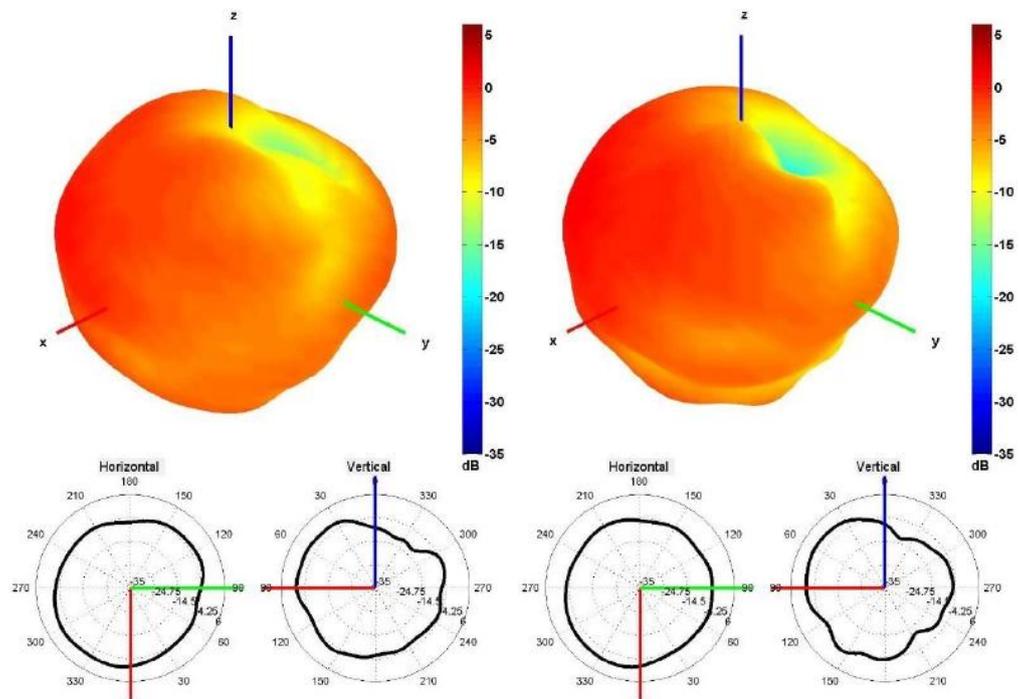
650 and 750 MHz Radiation pattern



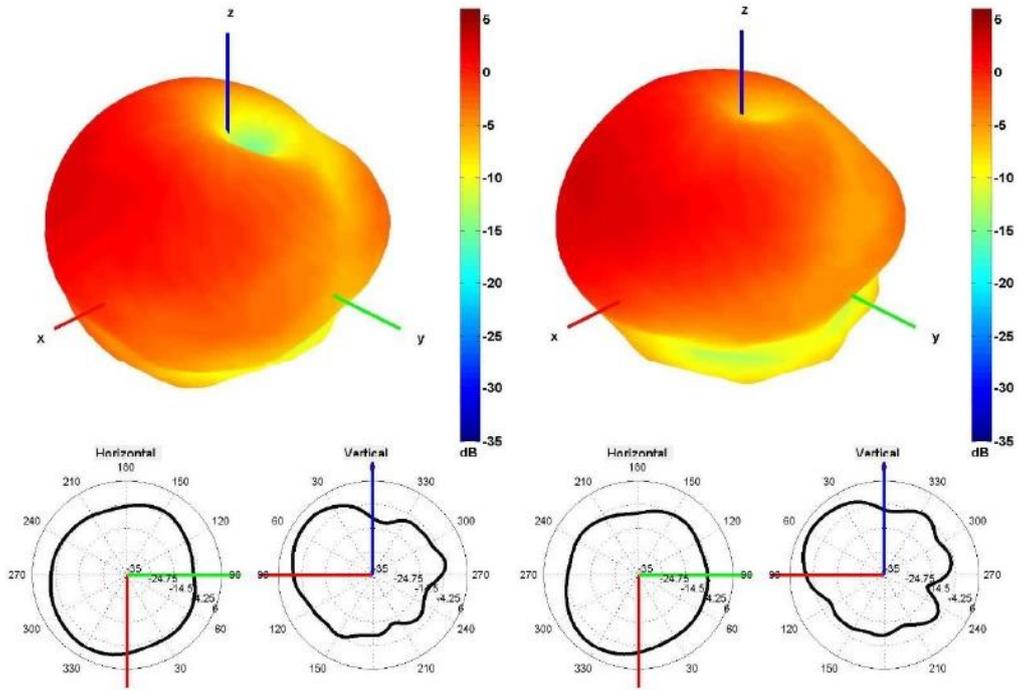
850 and 940 MHz Radiation pattern



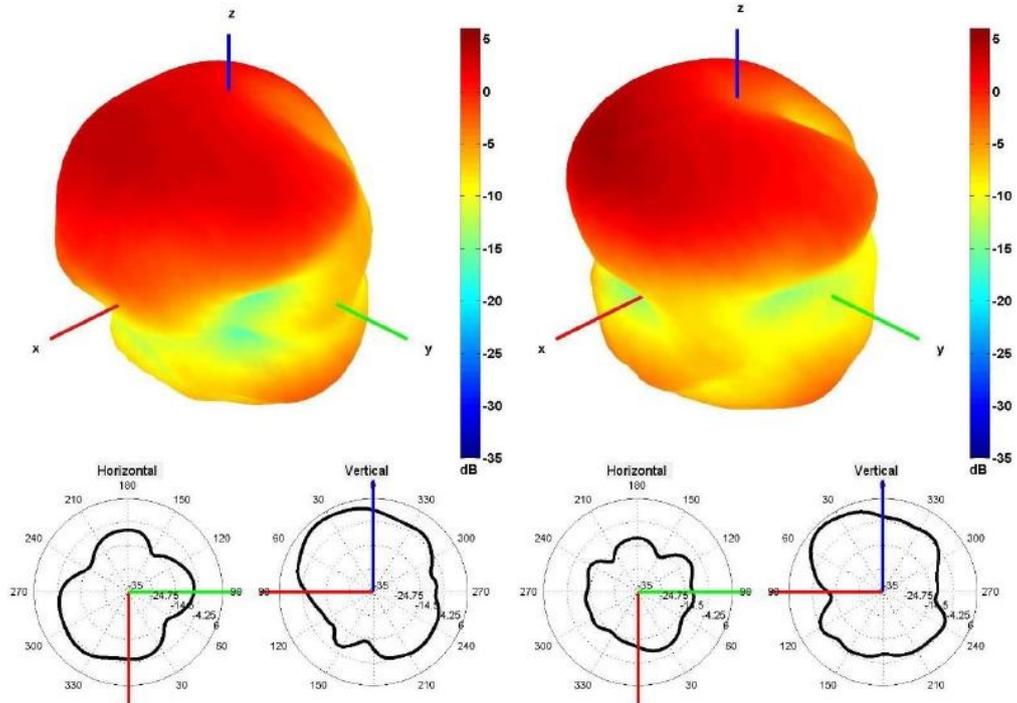
1500 and 1600 MHz Radiation pattern



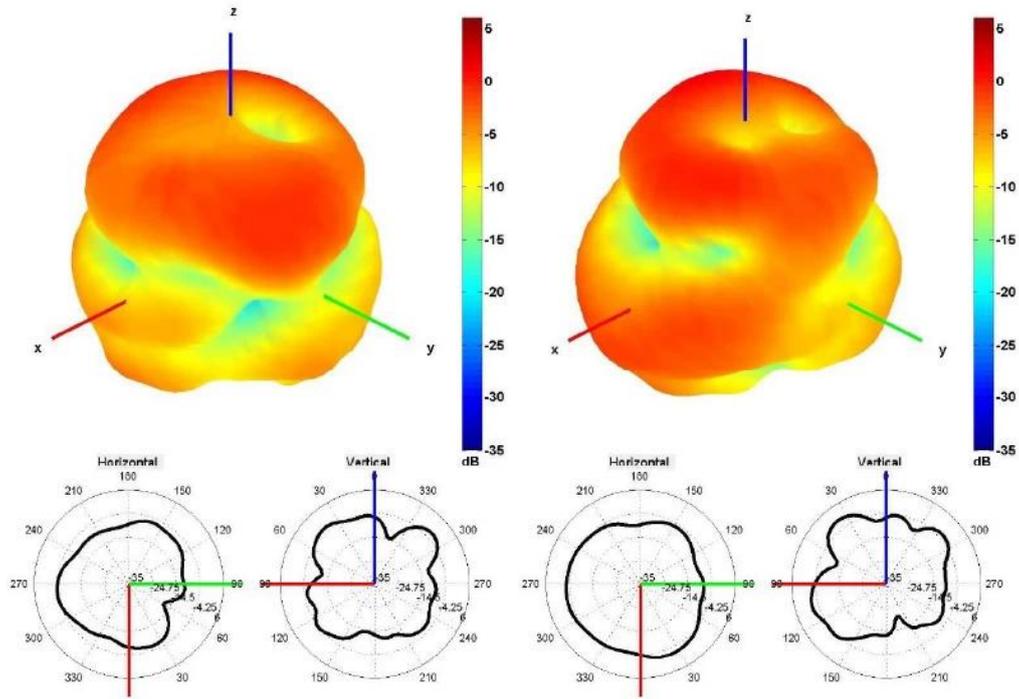
1750 and 1850 MHz Radiation pattern



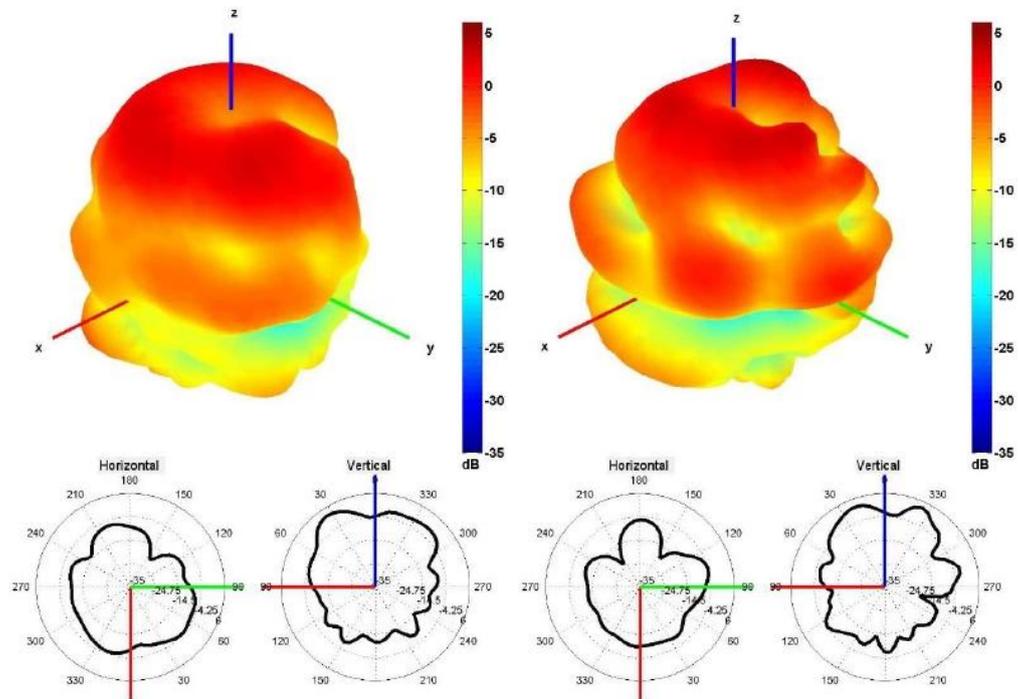
1950 and 2100 MHz Radiation pattern



2350 and 2600 MHz Radiation pattern



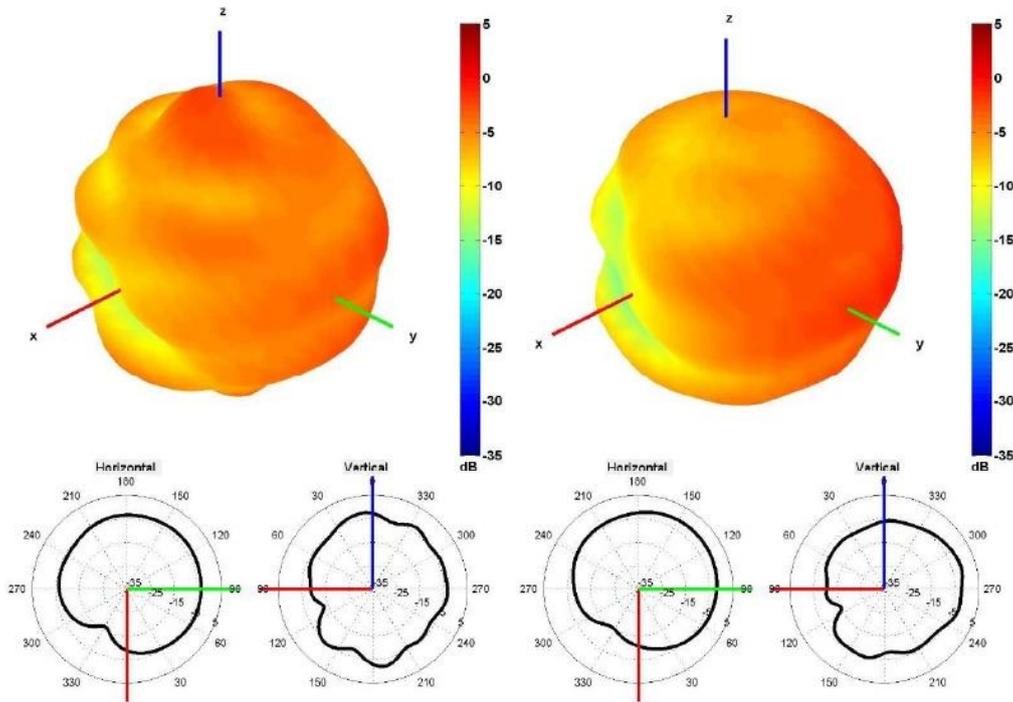
3350 and 3600 MHz Radiation pattern



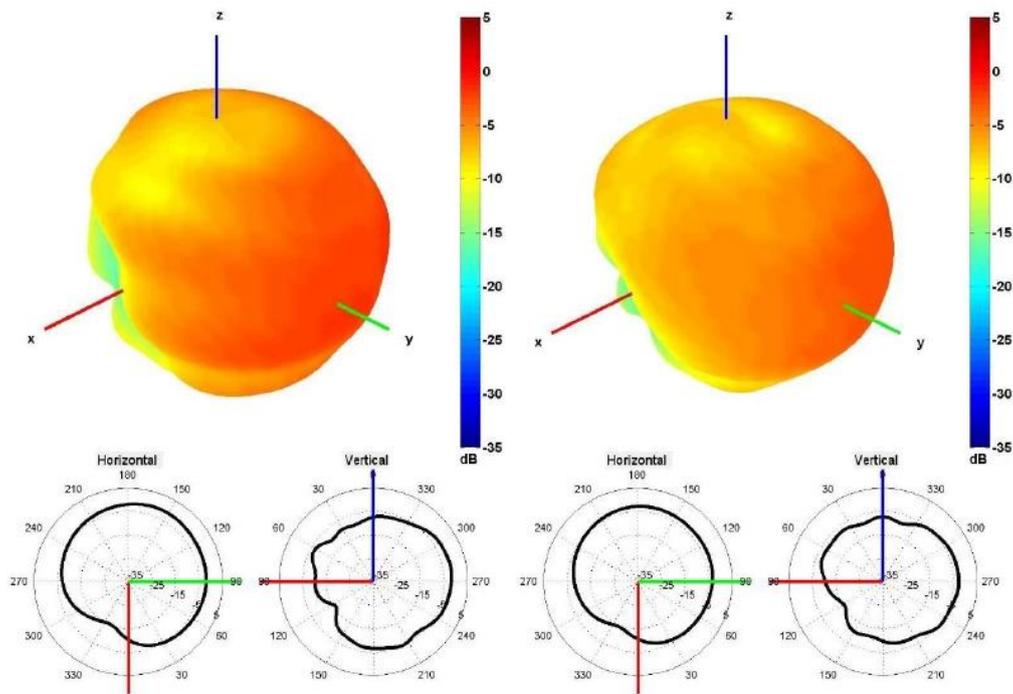
4500 and 5500 MHz Radiation pattern



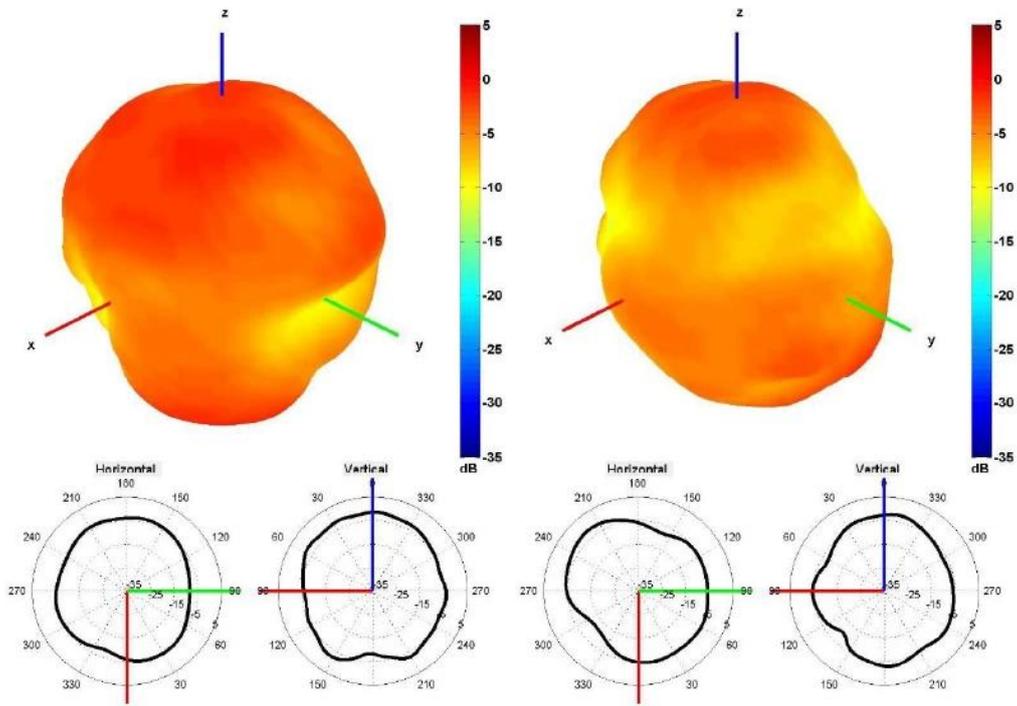
Câble 4 : 2G/3G/4G/5G - IoT/LPWAN



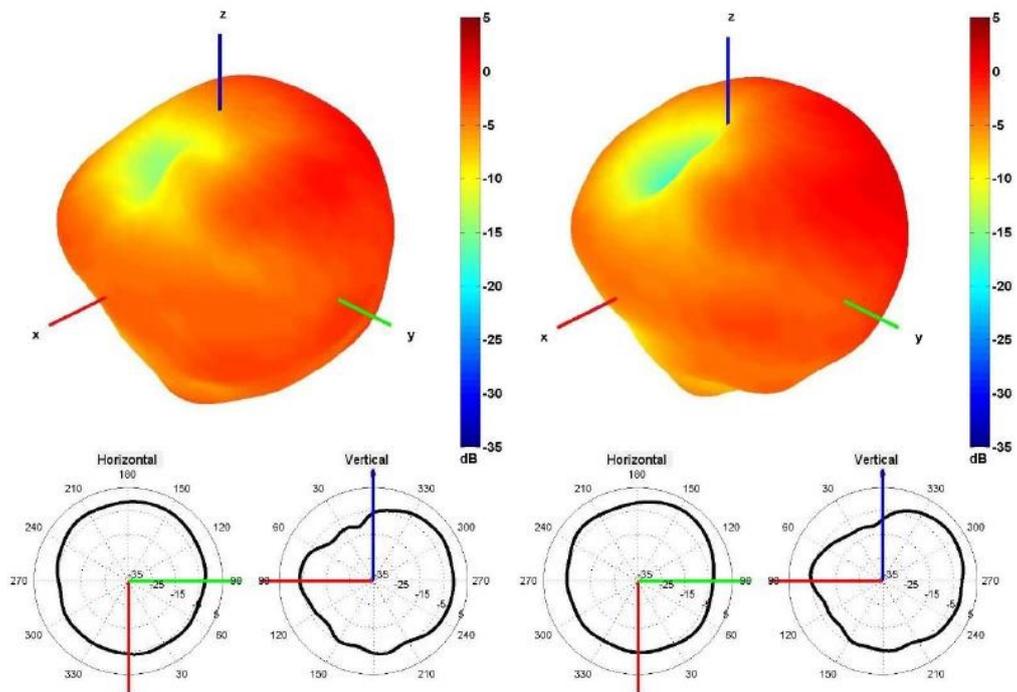
650 and 750 MHz Radiation pattern



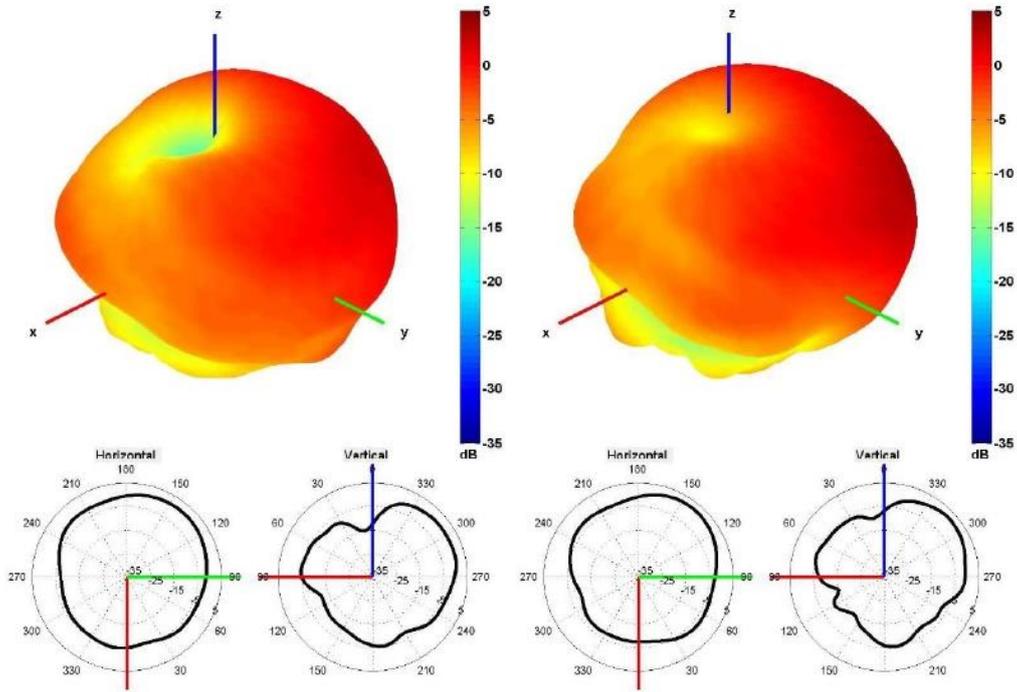
850 and 940 MHz Radiation pattern



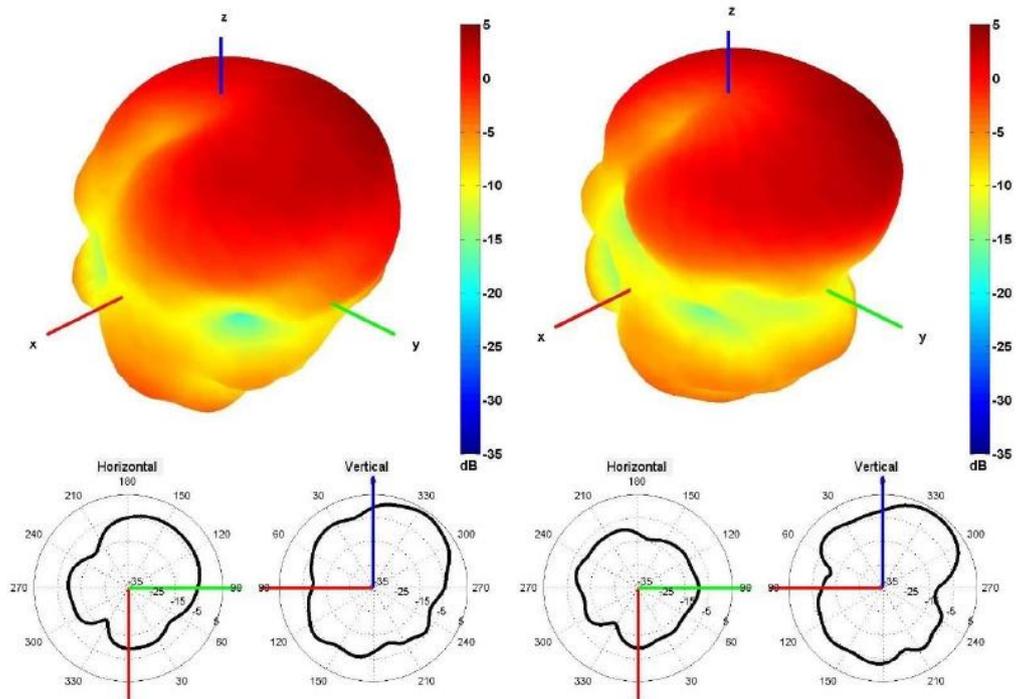
1500 and 1600 MHz Radiation pattern



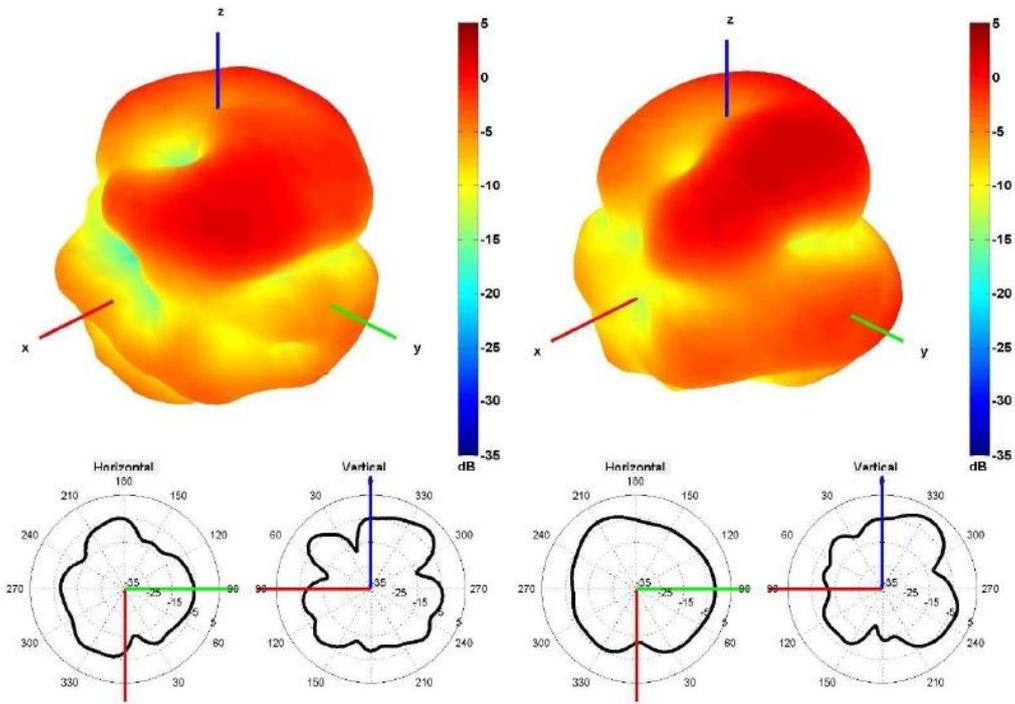
1750 and 1850 MHz Radiation pattern



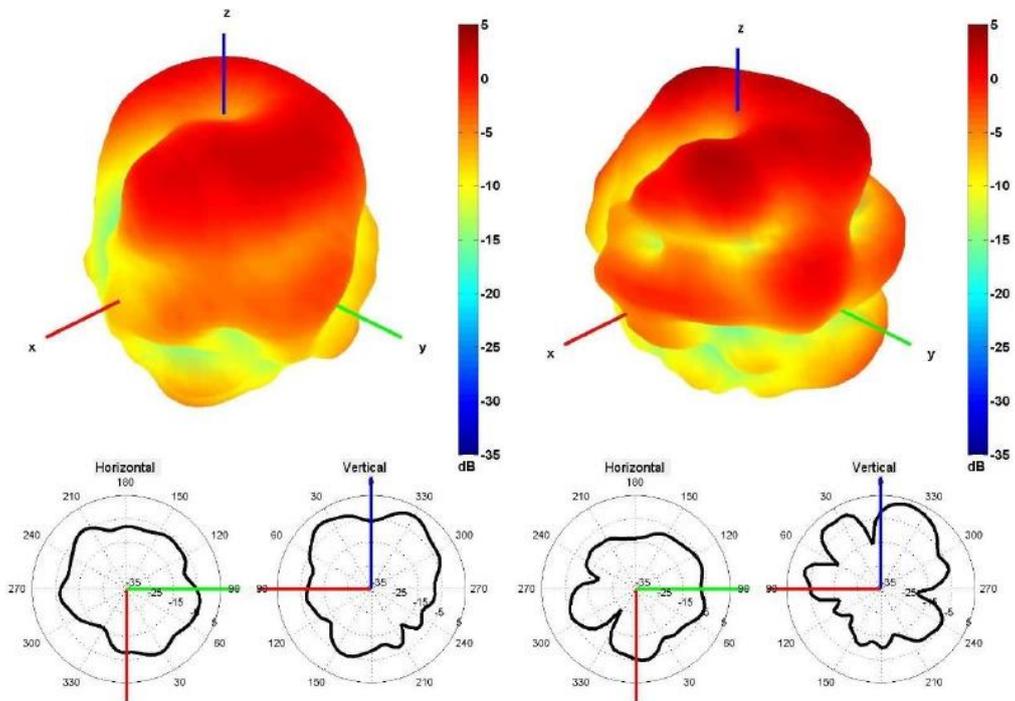
1950 and 2100 MHz Radiation pattern



2350 and 2600 MHz Radiation pattern



3350 and 3600 MHz Radiation pattern



4500 and 5500 MHz Radiation pattern



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