



Antenne combinée 3x[5G/4G/3G/2G MIMO] 2.4/5/6 GHz WiFi6E/WiFi7 magnétique IP67 IP69 IK09 | 1.2 à 5.1dBi

Référence GC-7085Md

Gain	1.2 à 5.1dBi
Connecteurs	SMA (M-RP)
Dimensions (mm)	Ø 96 × 102
T° de fonctionnement	-40°C à +85°C

L'antenne Medusa est conçue pour les normes 5G et ISM. Elle atteint un gain max. de 5.1dBi.

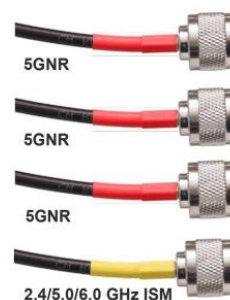
Robuste, elle offre un gain et une efficacité élevés dans les fréquences 617-960 / 1427-2690 / 3300-5000 / 5150-5925 pour les bandes GSM qu'elle combine avec les bandes ISM dans les fréquences 2410-2490 / 4920-5925 / 5925-7125 MHz.

Câbles 1 à 3 : 5G NR

Ces trois antennes permettent des canaux à large bande passante, moins d'interférences et une réduction de la congestion réseau.

Câbles 4 : ISM

Cette antenne répond aux normes WiFi, Bluetooth, Zigbee et ISM. Les bandes 2.4 / 5 et 6 GHz combinent courte et longue portée.



Omnidirectionnelle et indépendante du plan de masse, elle mesure Ø96 × 102 mm, se fixe facilement grâce à son support magnétique.

Les indices d'étanchéité IP67 et IP69 offrent à cette antenne une protection maximale contre la poussière et la pénétration de l'eau, tandis que sa certification IK09 lui permet de résister aux impacts.

Livrée en standard avec des connecteurs SMA-Mâle RP et des câbles LL195 de 300cm de long chacun, elle reste entièrement personnalisable sur demande.

ENVIRONNEMENT

Fabriquée avec un matériau ASA résistant à des températures allant de -40°C à +85°C, elle est conçue sans matières dangereuses et assure une conformité totale avec REACH et RoHS.





CARACTÉRISTIQUES

Câble 1 : 5G, 4G, 3G, 2G

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
FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
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)	~-4.7	~-9.3	~-9.8	~-7.0
VSWR	~4.5:1	~2.4:1	~2.2:1	~2.7:1
EFFICACITÉ (%)	~30.0	~41.2	~45.9	~33.2
GAIN DE CRÊTE (DBI)	~-1.2	~3.6	~5.0	~4.0
GAIN MOYEN (DB)	~-5.2	~-4.0	~-3.4	~-4.8



Câble 2 : 5G, 4G, 3G, 2G

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
FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
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)	~-4.7	~-9.3	~-10,5	~-7.6
VSWR	~4.4:1	~2.3:1	~2.0:1	~2.6:1
EFFICACITÉ (%)	~32,8	~43.3	~43.0	~34,5
GAIN DE CRÊTE (DBI)	~-1,5	~3.6	~4.5	~4.4
GAIN MOYEN (DB)	~-4.9	~-3.7	~-3.7	~-4.7



Câble 3 : 5G, 4G, 3G, 2G

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
FRÉQUENCE(S) (MHZ)	617-960	1427-2690	3300-5000	5150-5925
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)	~-4.5	~-9.2	~-10.2	~-7.4
VSWR	~4.6:1	~2.4:1	~2.1:1	~2.6:1
EFFICACITÉ (%)	~32,4	~41,9	~44,9	~33,6
GAIN DE CRÊTE (DBI)	~-1,6	~3.7	~5.1	~4.3
GAIN MOYEN (DB)	~-4.9	~-3.9	~-3,5	~-4.8

Câble 4 : 2.4 / 5.0 / 6.0 GHz Tri-Bande WiFi 6E / WIFI 7, Bluetooth, ZigBee, ISM

BANDE(S) (MHZ)	2,4 GHz	5,0 GHz	6,0 GHz
FRÉQUENCE(S) (MHZ)	2410-2490	4920-5925	5925-7125
PERTE DE RETOUR (DB)	~-11.4	~-12.7	~-7.0
VSWR	~1.9:1	~1.7:1	~2.7:1
EFFICACITÉ (%)	~47.3	~48,4	~30.2
GAIN DE CRÊTE (DBI)	~4.6	~5.0	~2.3
GAIN MOYEN (DB)	~-3.3	~-3.2	~-5.4



Caractéristiques communes Câbles 1 à 4 : 5G, 4G, 3G, 2G, WiFi, Bluetooth, ZigBee, ISM

IMPÉDANCE (OHMS)	50
POLARISATION	Linéaire
RAYONNEMENT	Omnidirectionnel
PUISSANCE D'ENTRÉE MAX. (W)	25
CONNECTEUR	SMA-Mâle-RP Standard (Autres connecteurs disponibles)
LONGUEUR DU CÂBLE	300 cm Standard (toute longueur de câble disponible)
TYPE DE CÂBLE	Norme LL195 (autres câbles disponibles)

Conditions de mesure de l'antenne :

- Montée sur plaque métallique de 30 × 30 cm
- 100 cm de Câble LL195
- Mesurée dans une chambre anéchoïque certifiée CTIA 3D

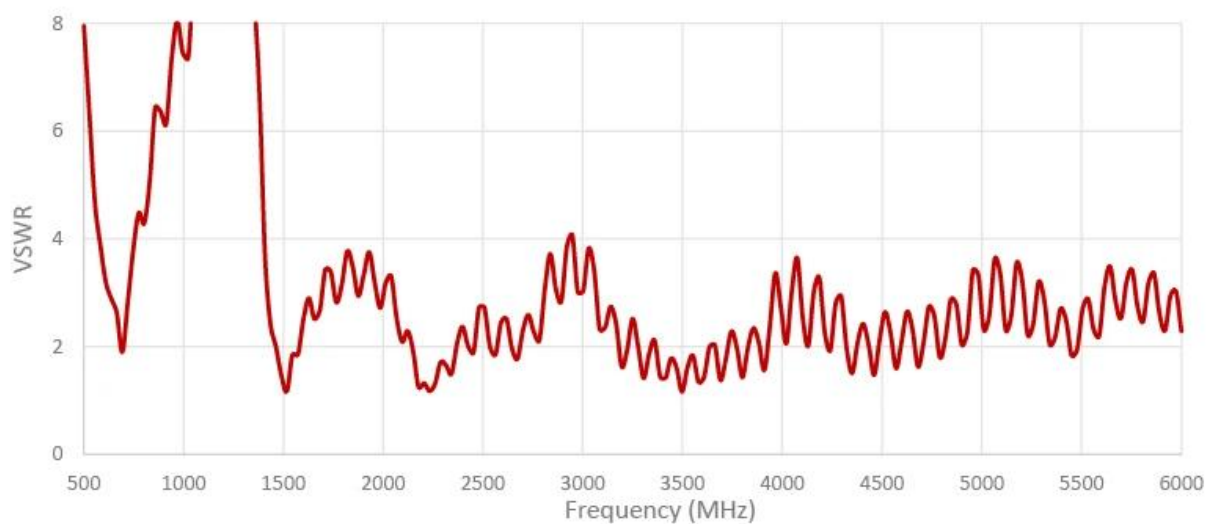
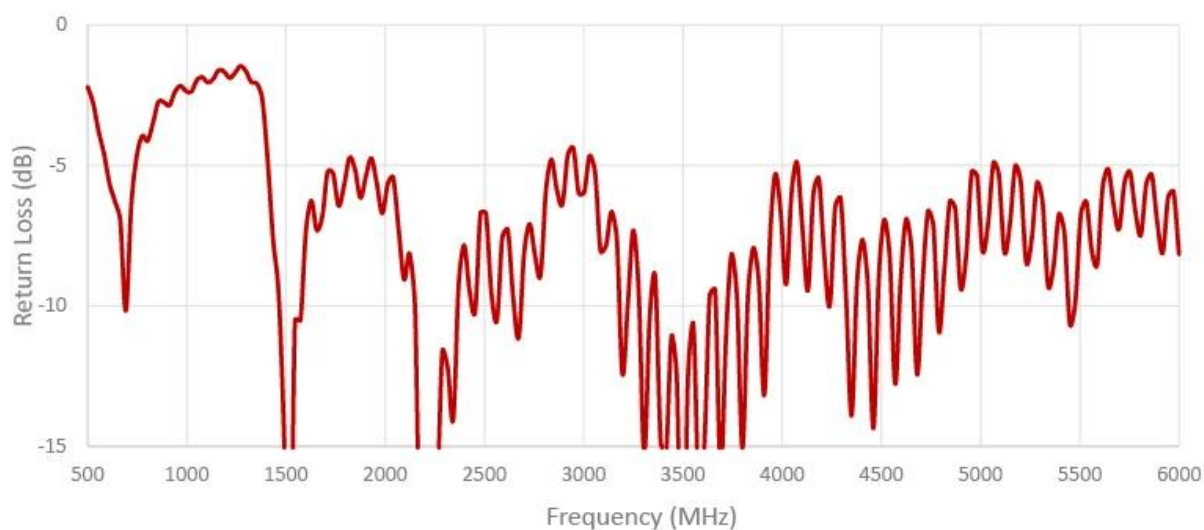
SPÉCIFICATIONS

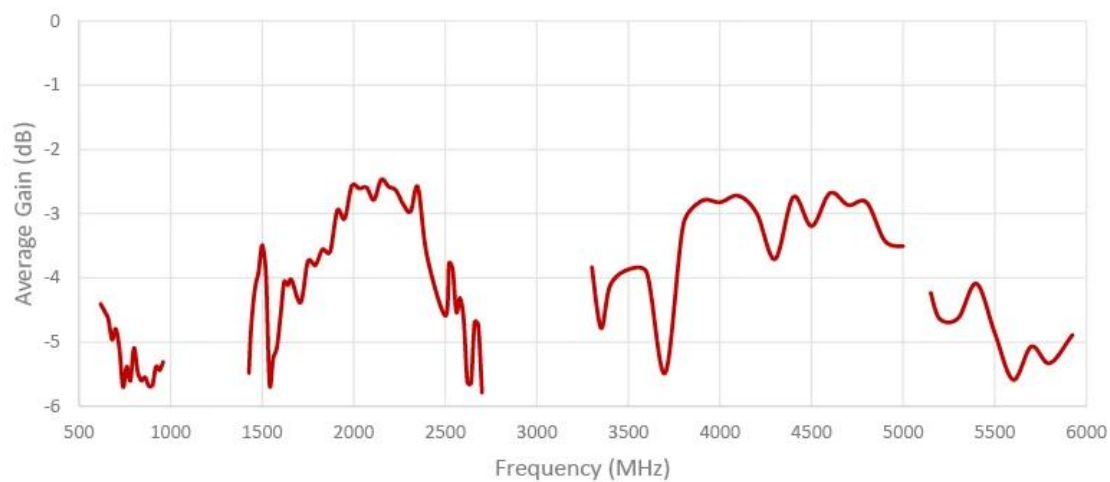
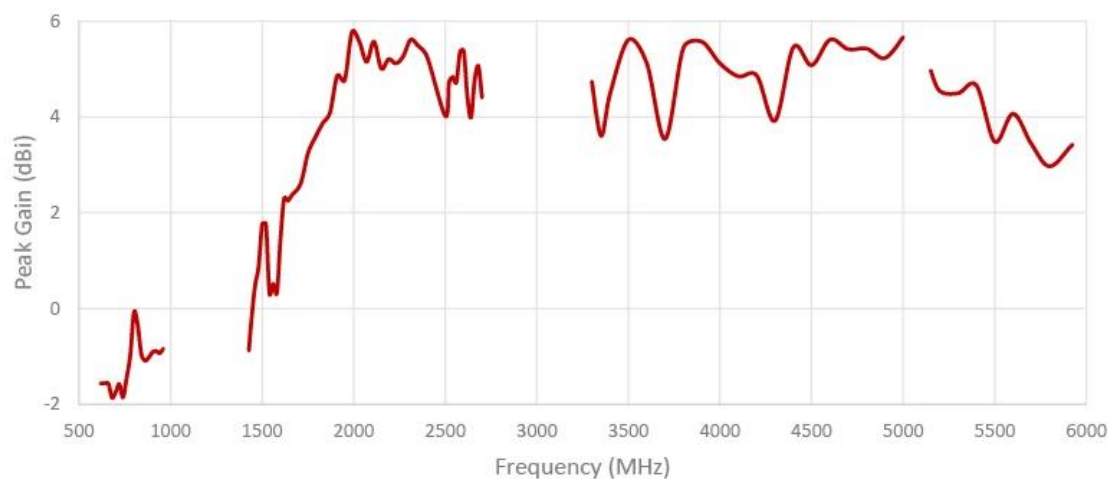
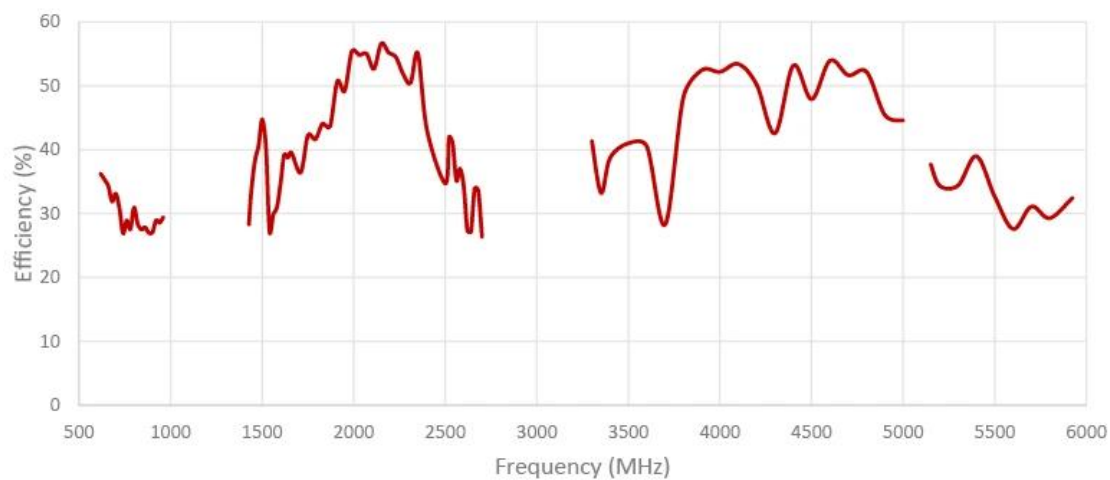
TYPE DE MONTAGE	Support magnétique
DIMENSIONS (MM)	Ø 96 × 102
MATÉRIAU RADÔME	ASA
COULEUR RADÔME	Blanc ou Noir
BASE D'ANTENNE	Alliage d'aluminium
T° DE FONCTIONNEMENT (°C)	-40 à +85
T° DE STOCKAGE (C)	-40 à +85
CERTIFICATION(S)	RoHS
INDICE(S) DE PROTECTION	IP67, IP69, Ik09



MESURES

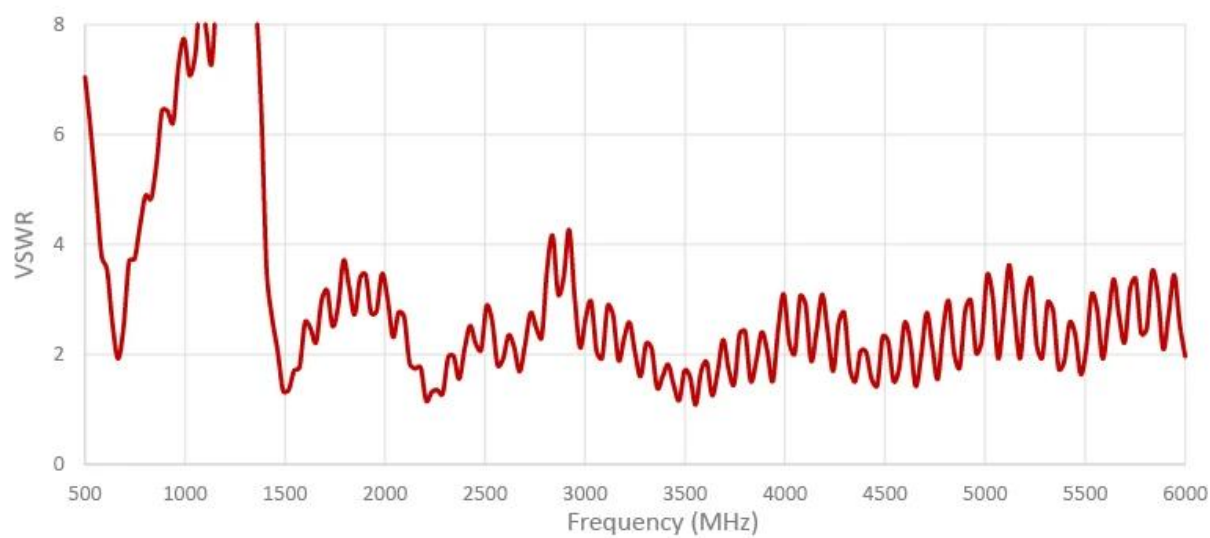
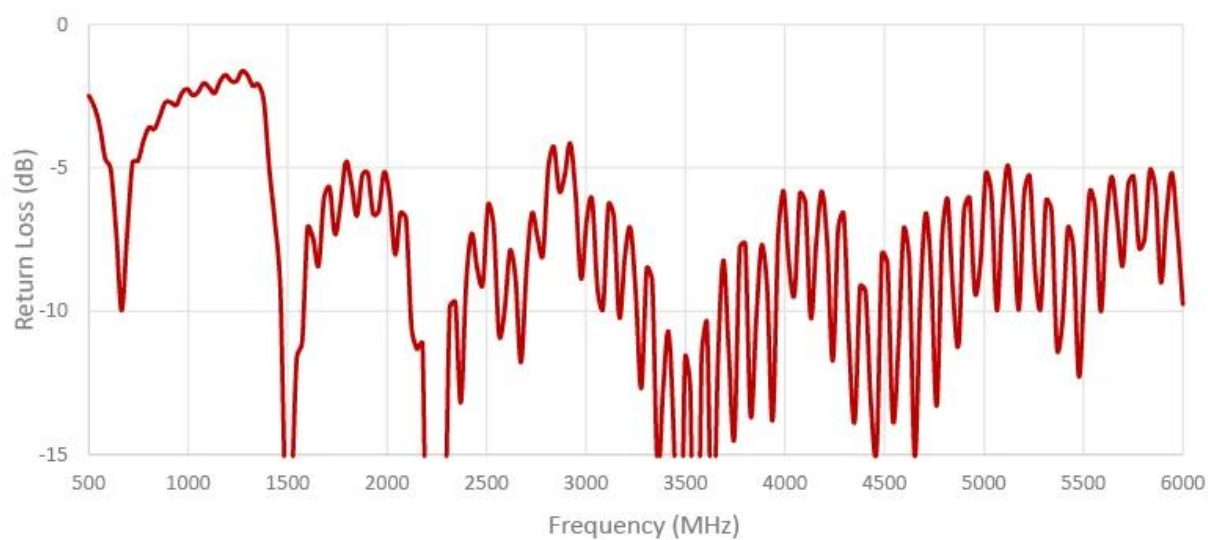
Cable 1: 5GNR

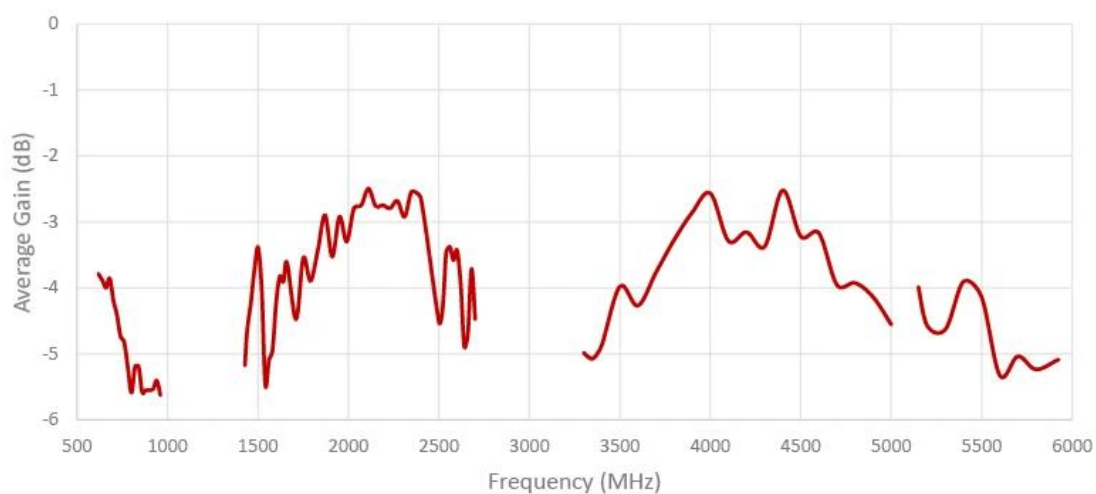
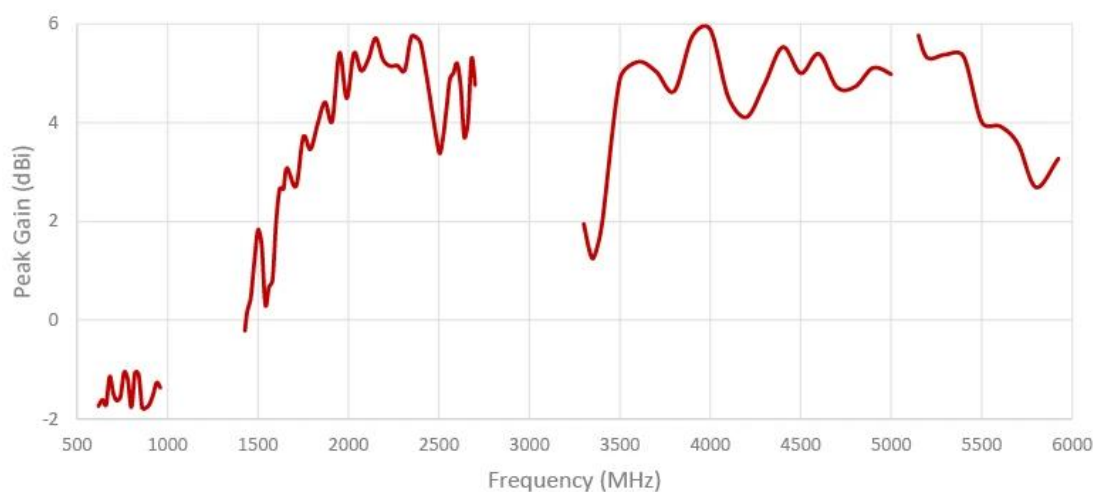
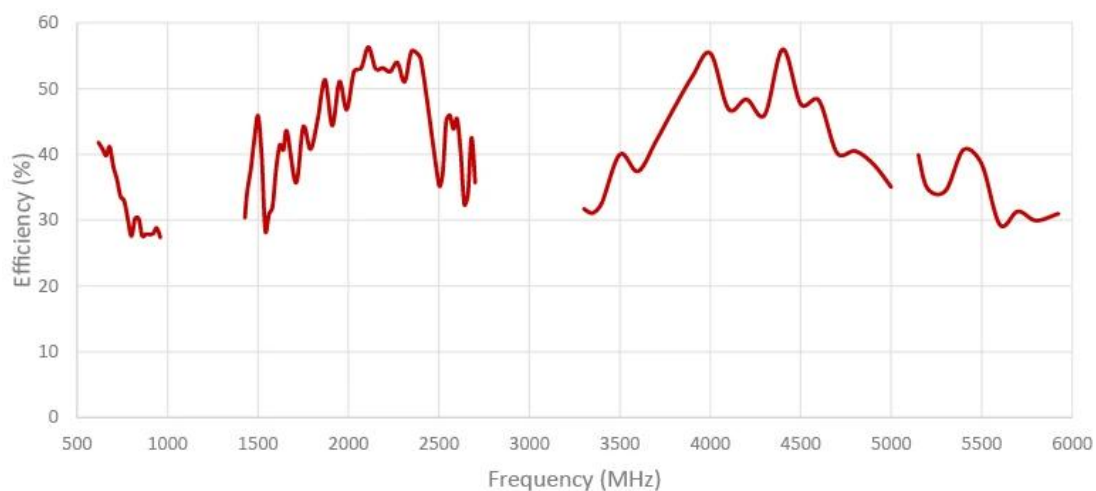






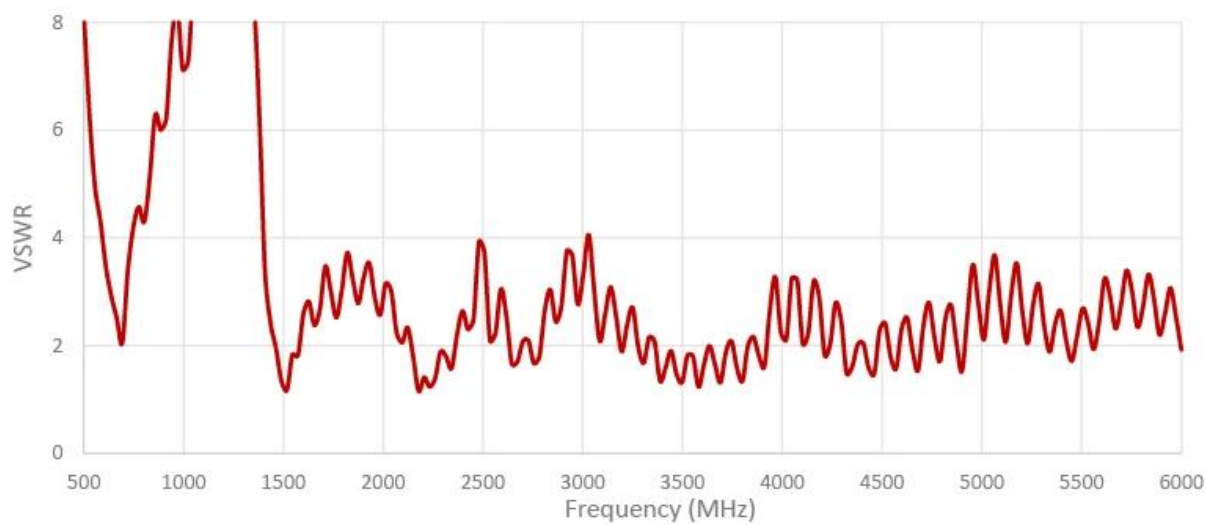
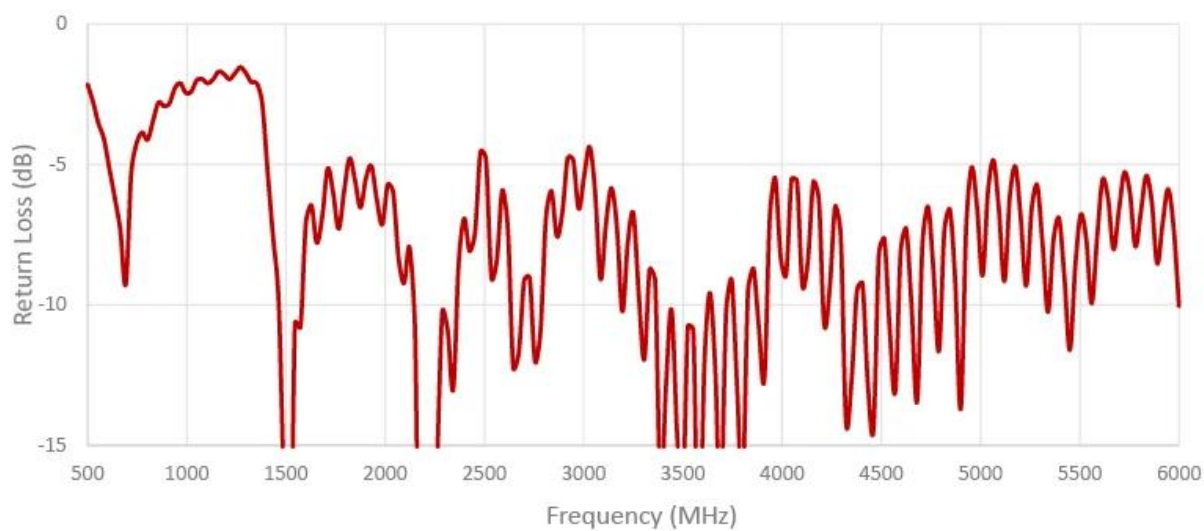
Cable 2: 5GNR

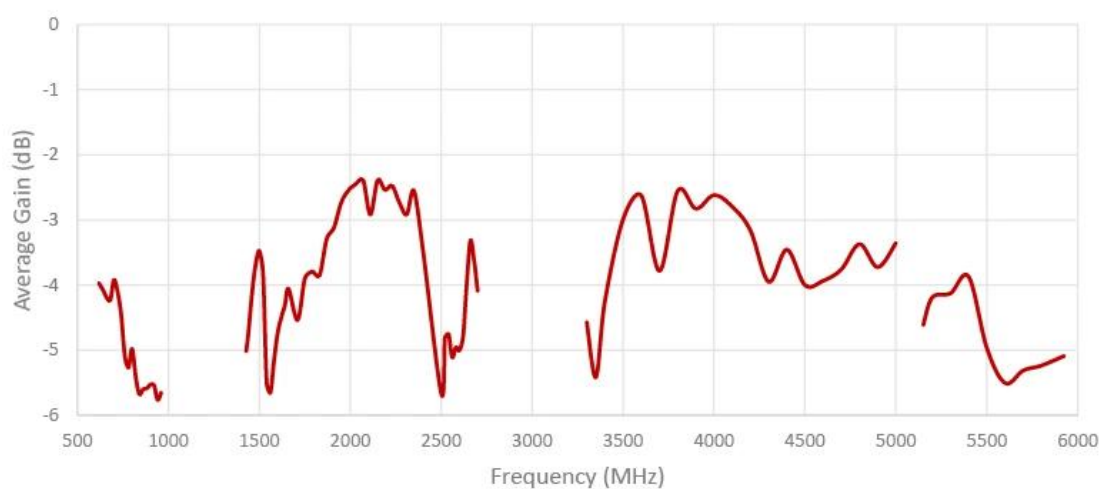
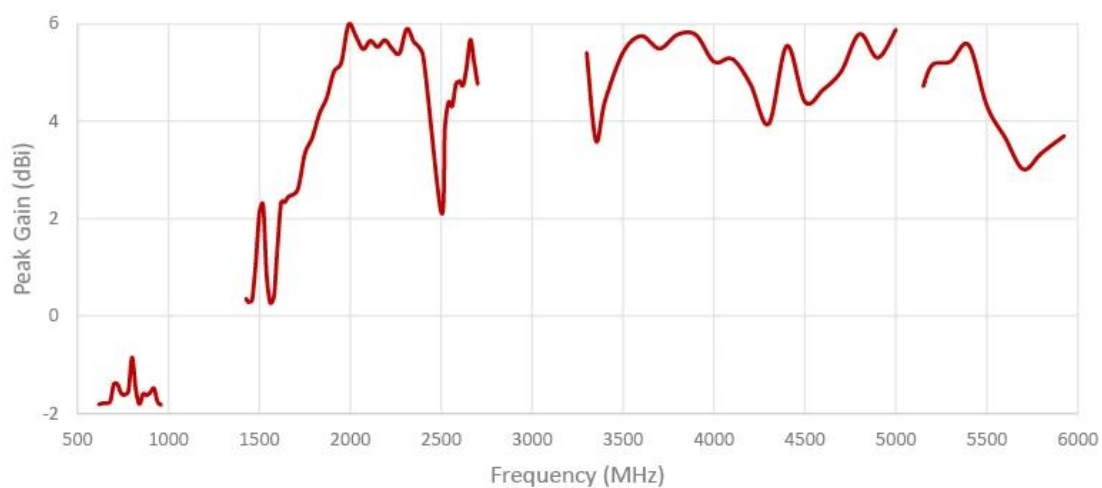
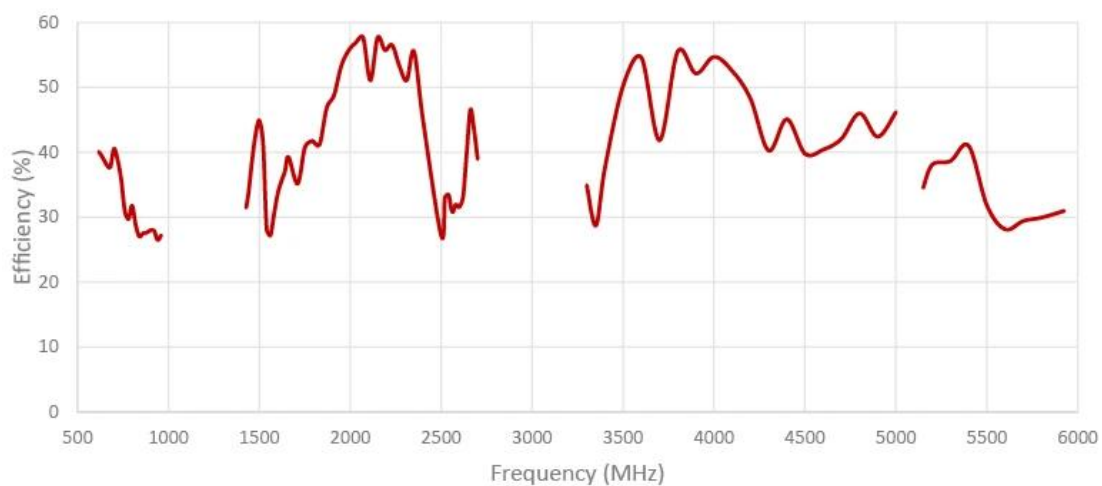






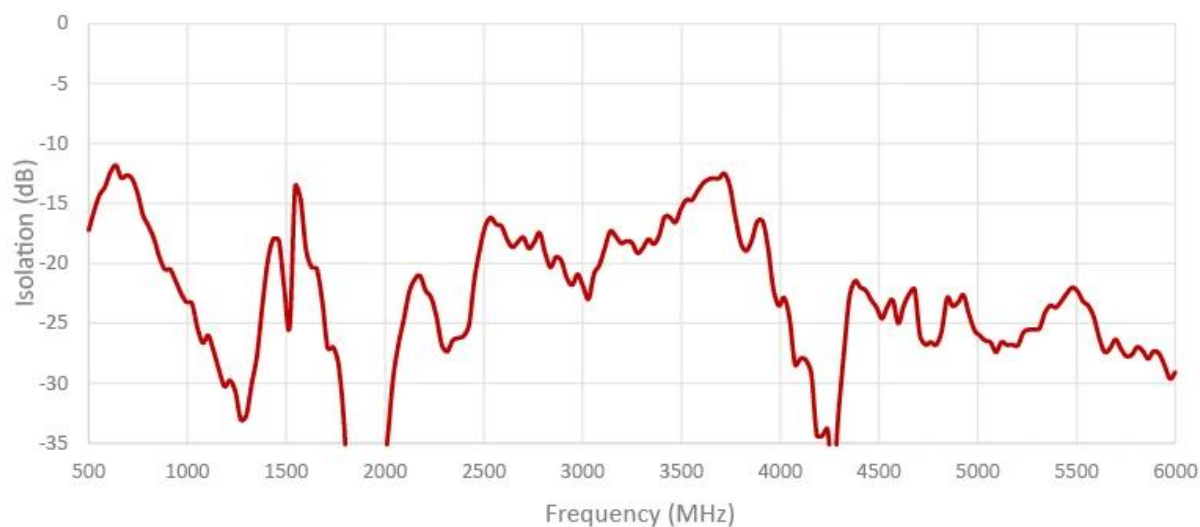
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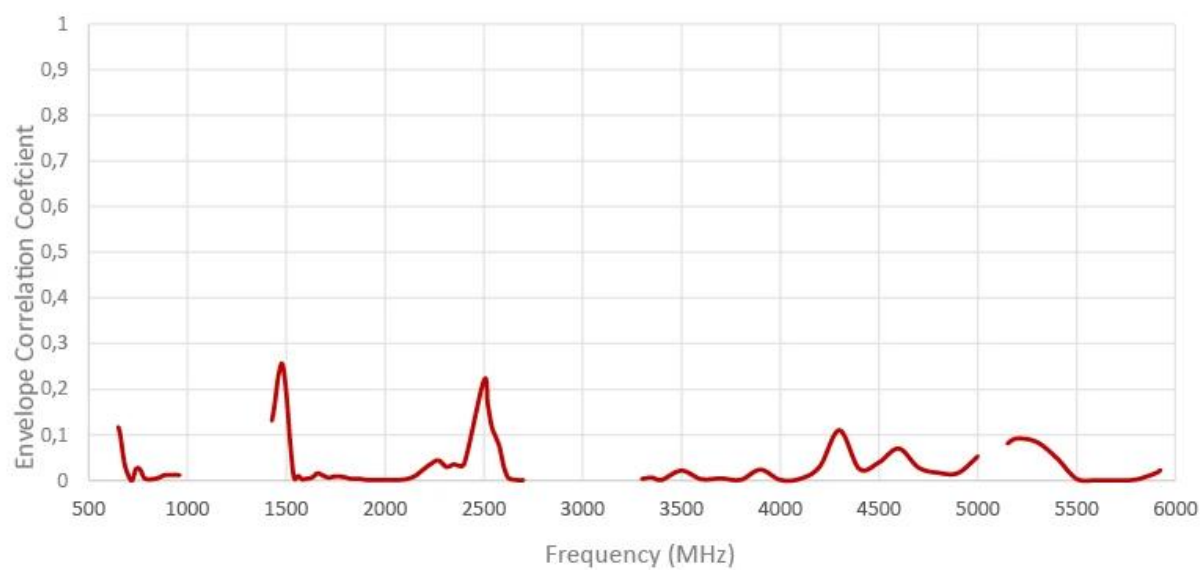




ISOLATION FOR CABLES 1 AND 2

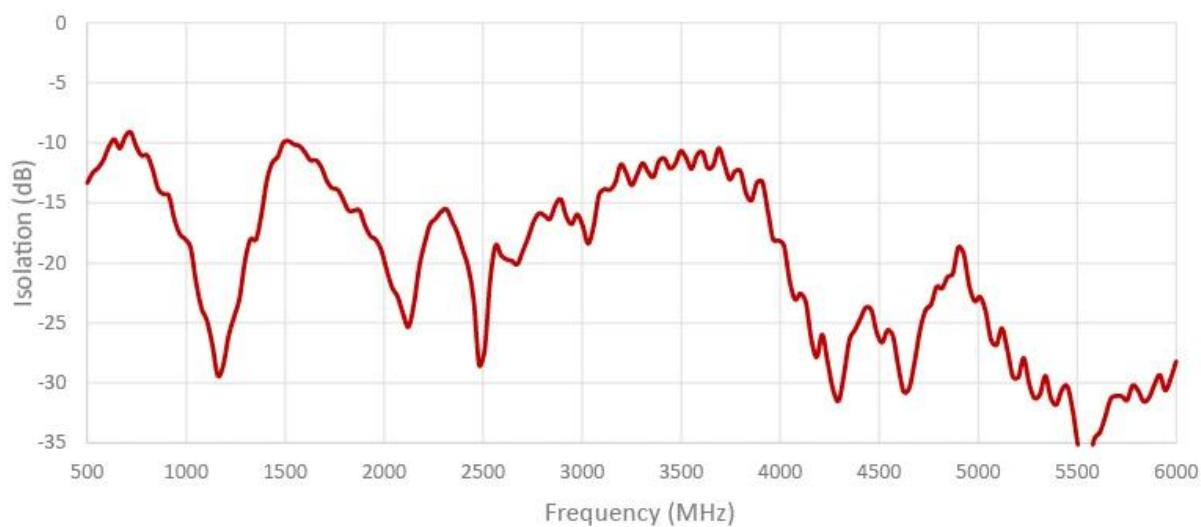


ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2

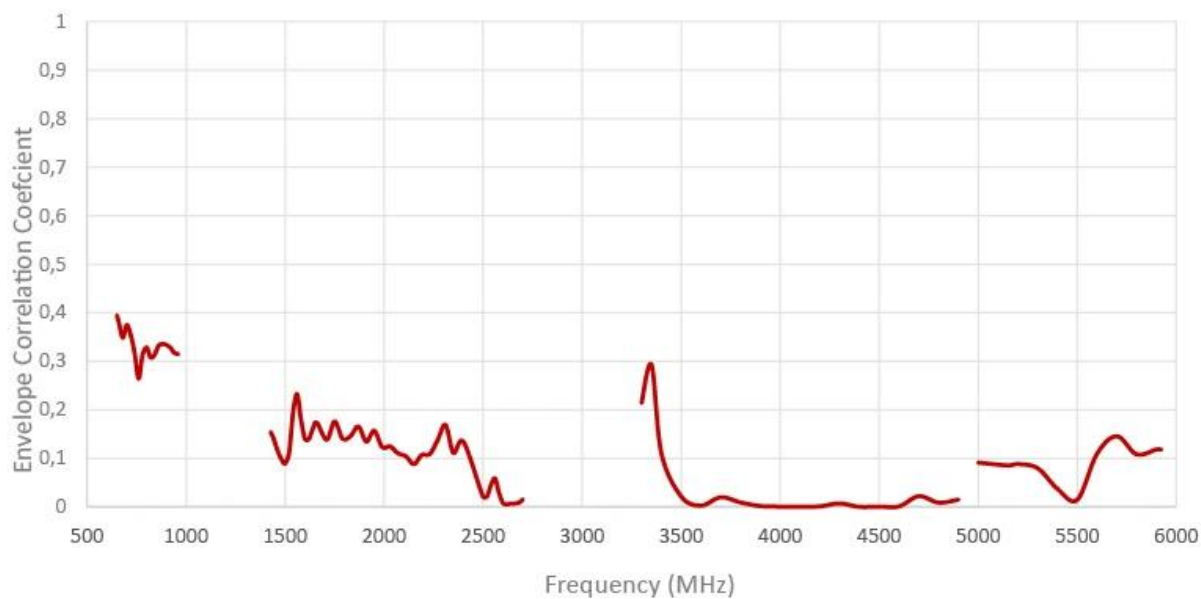




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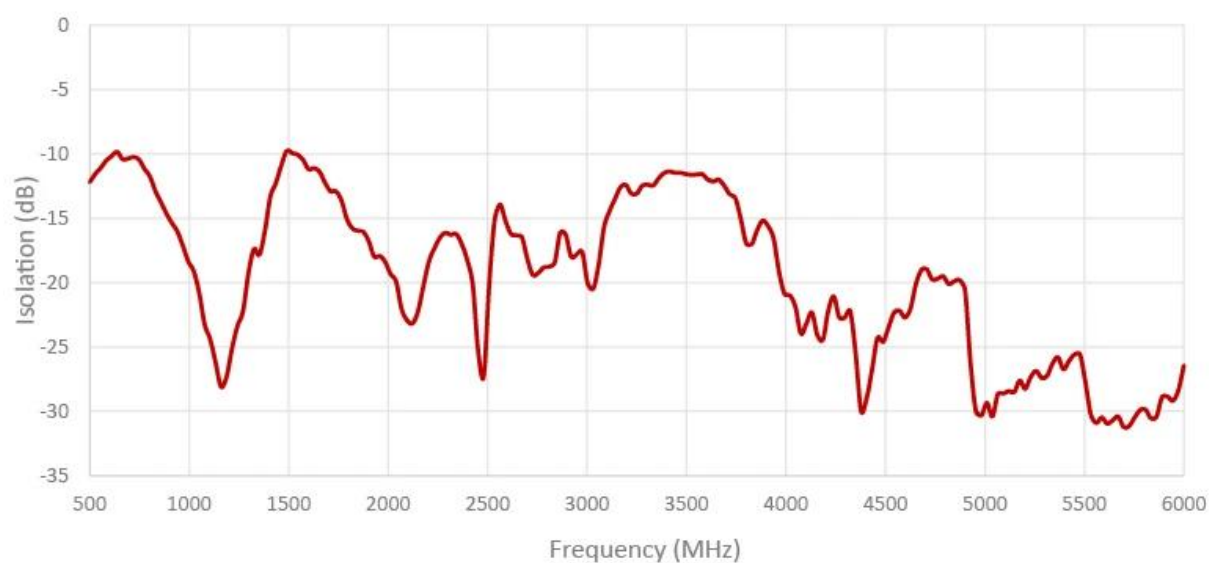


ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 3

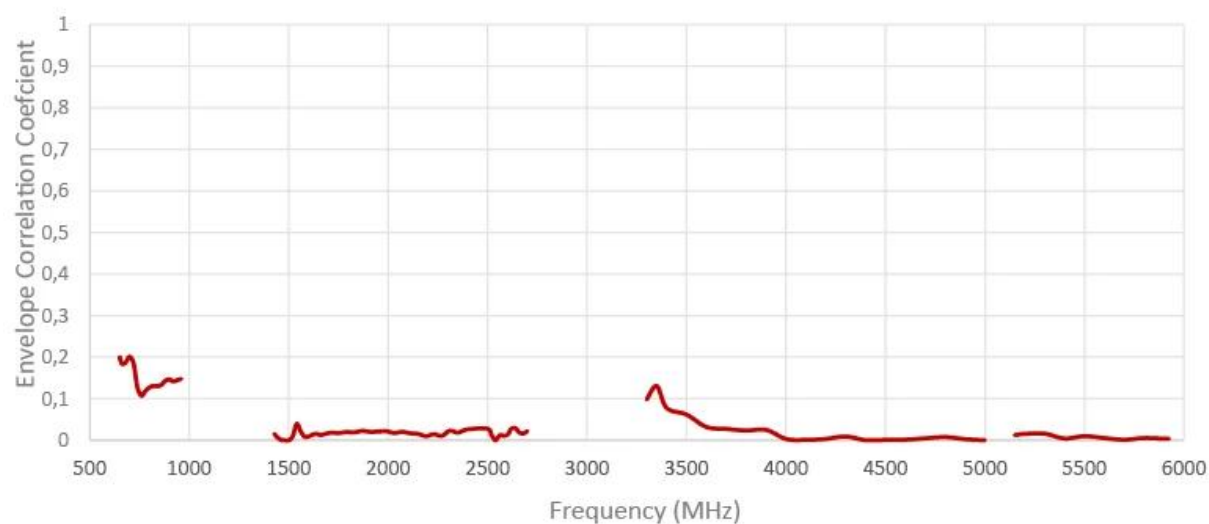




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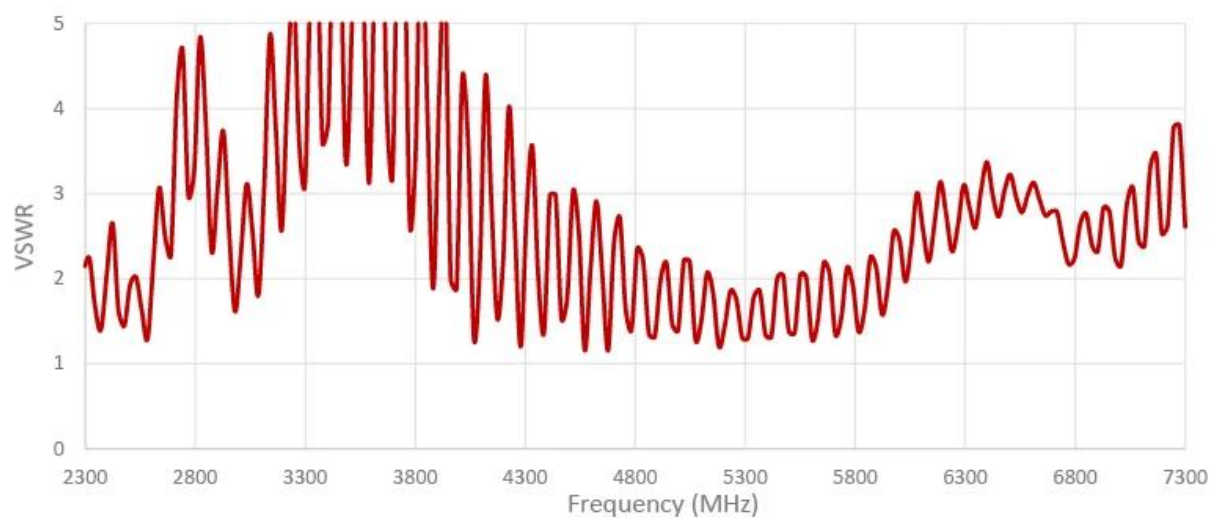
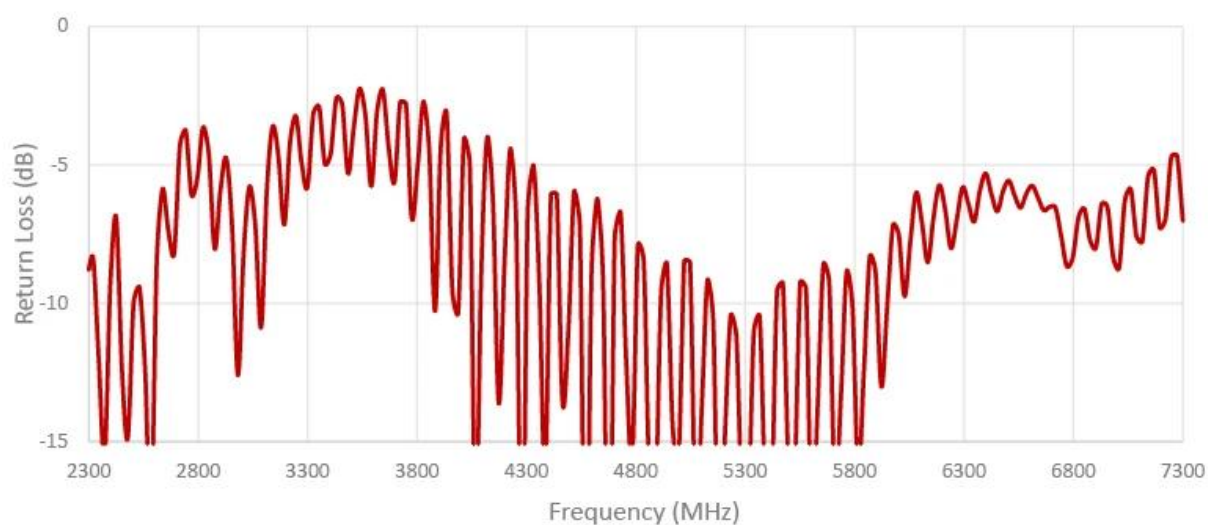


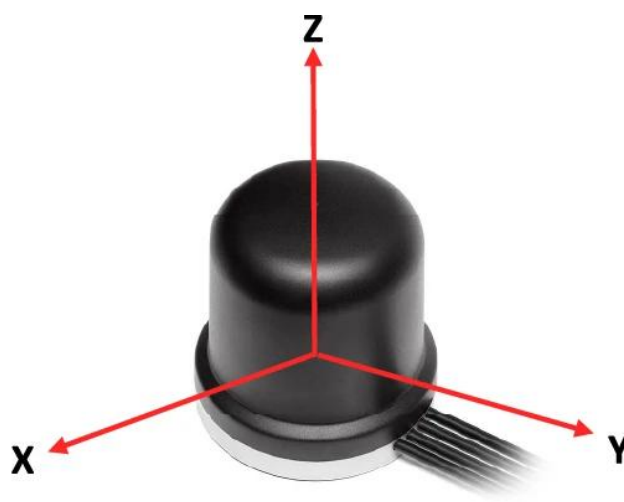
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 2 AND 3





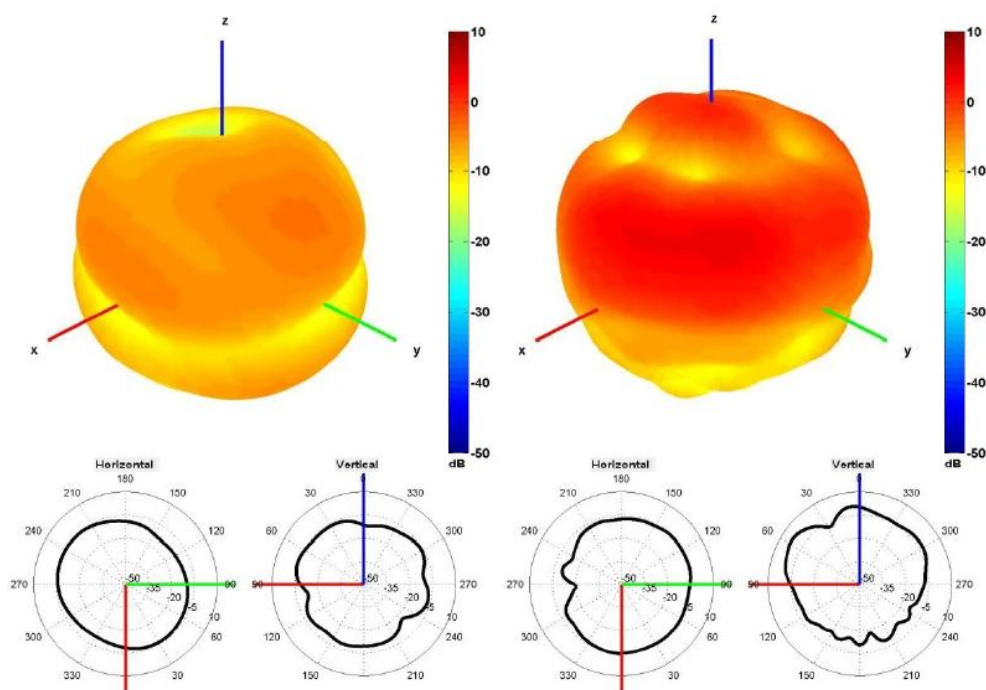
Cable 4: 2.4/5.0/6.0 GHz ISM





Radiation pattern reference

Cable 1: 5GNR



750 and 2500 MHz Radiation pattern

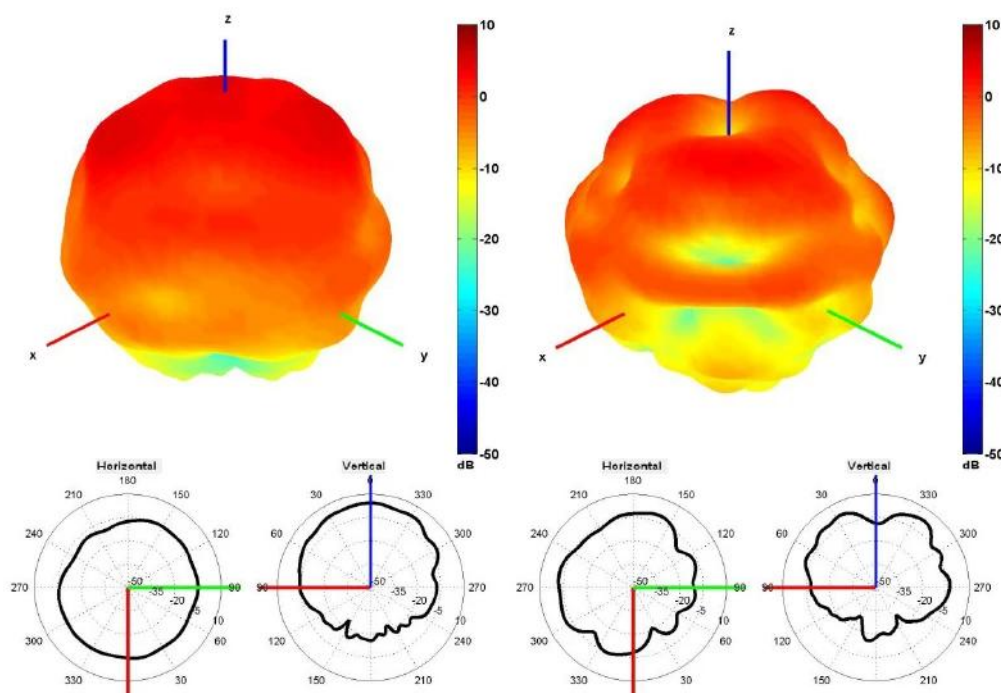
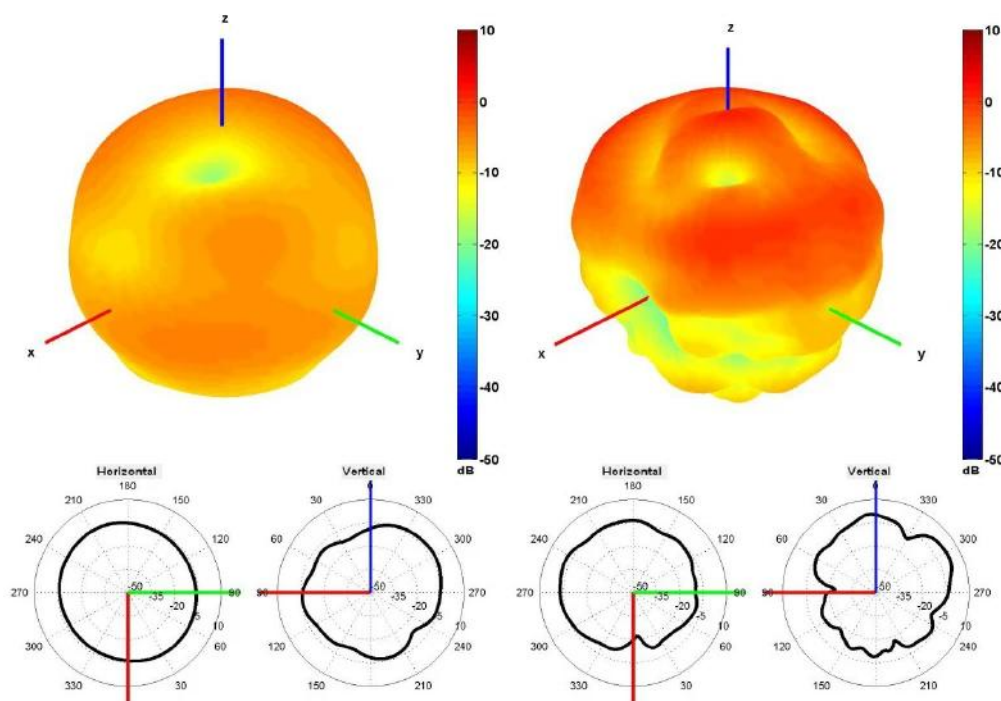
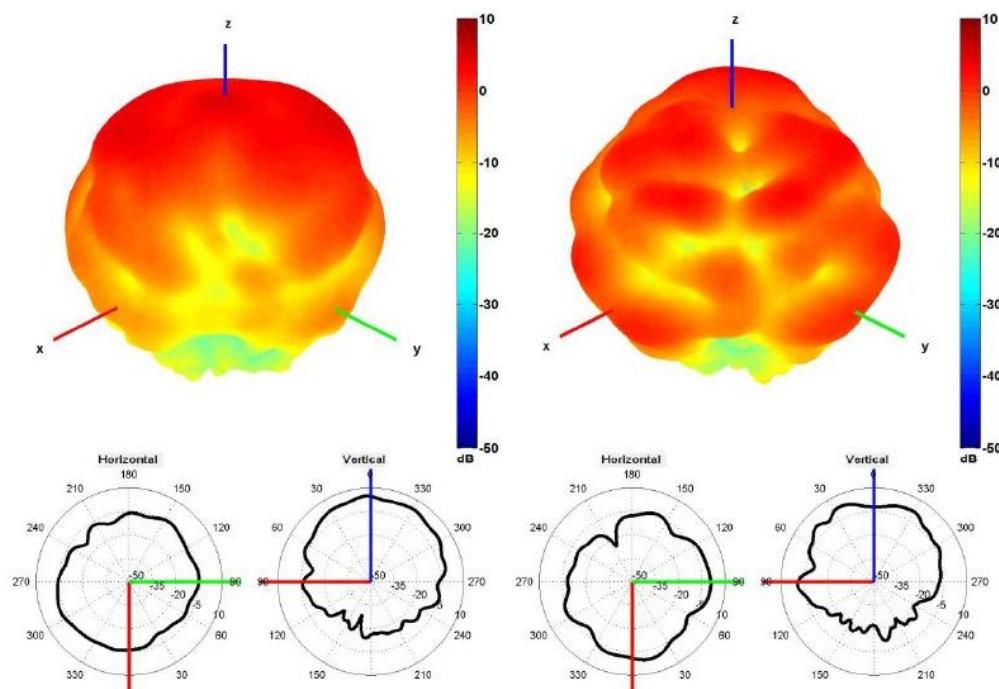


Table 2: 5GNR

4500 and 5500 MHz Radiation pattern

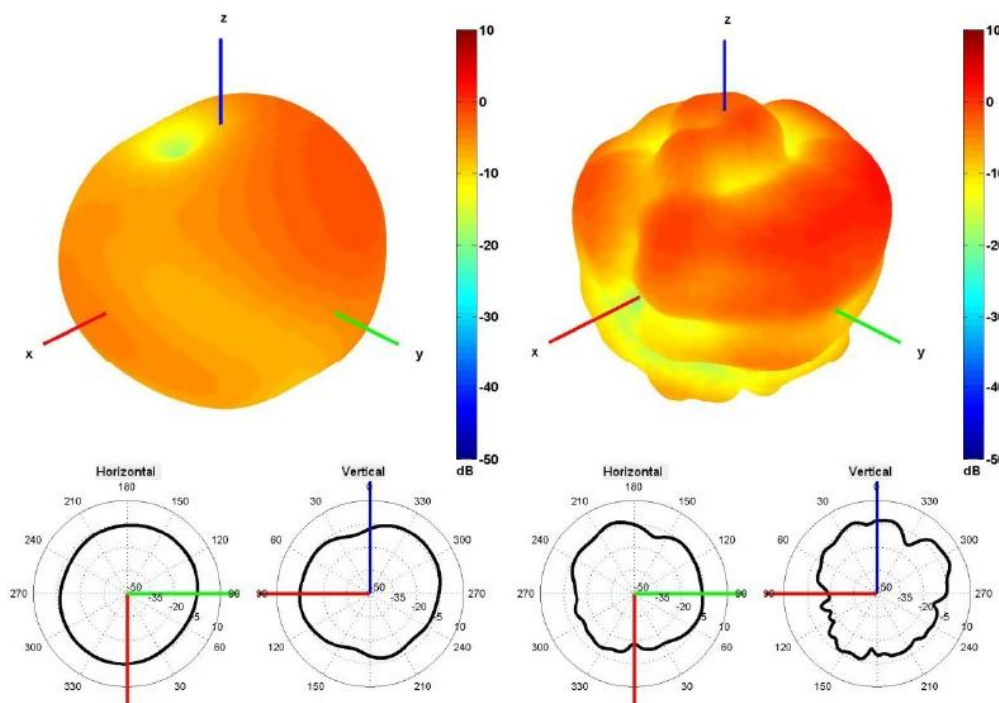


750 and 2500 MHz Radiation pattern

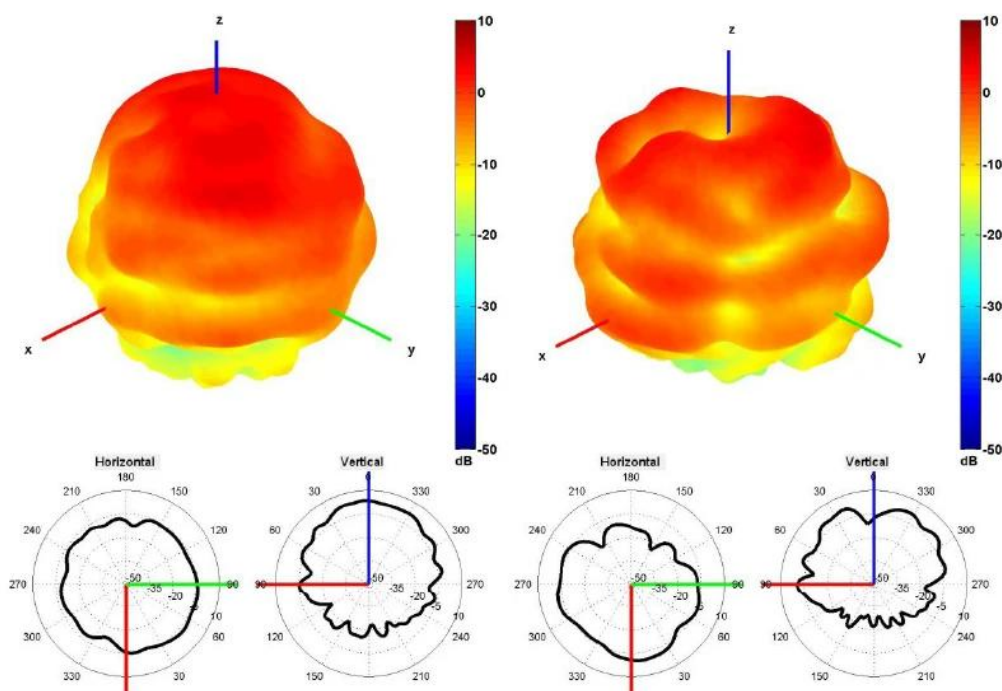


Cable 3: 5GNR

4500 and 5500 MHz Radiation pattern

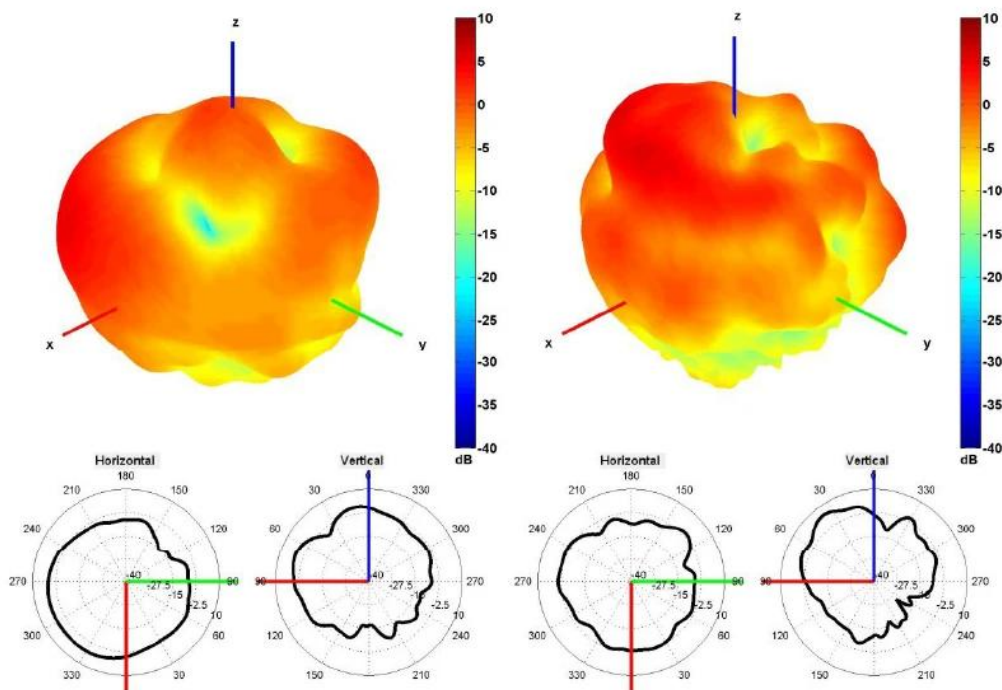


750 and 2500 MHz Radiation pattern

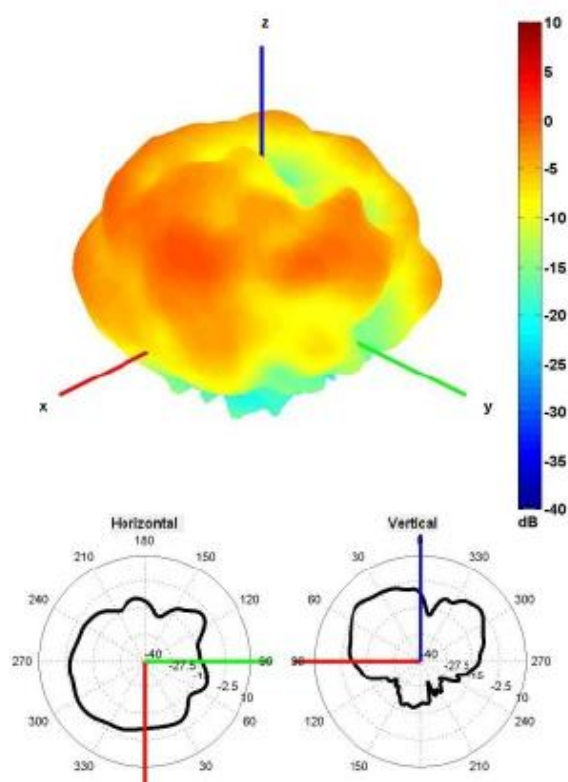


Cable 4: 2.4/5.0/6.0

4500 and 5500 MHz Radiation pattern



2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern



SCHÉMA(S)

