Antenne combinée 4×[5G 4G-LTE 3G/2G LPWA] 4×[2.4/5GHz WiFi6E] GPS/GNSS | 6dBi / 28dB@2.7V

Référence GC-4h86pcfd

Gain	6dBi / 28dB@2.7V
Connecteurs	SMA (M) / SMA-RP (M)
Dimensions (mm)	198 x 127 x 15.7
T° de fonctionnement	-40°C à +85°C

SOLUTION 9-EN-1

L'antenne combinée GC-4h86pcfd **9-en-1** offre des performances supérieures avec **4x MIMO 5G NR, x4 MIMO ISM 2,4/5,0/6,0 GHz et une connectivité GPS/GNSS unique.**

CÂBLES 1 À 4 : 5G NR

Quatre antennes conçues pour les appareils qui fonctionnent dans toutes les normes **5G, 4G-LTE, FirstNet, CBRS, LPWA, CAT-X, CAT-Mx, CAT-NBx, NB-IoT, 3G et 2G**.

CÂBLES 5 À 8 : WIFI 6E ISM 2,4/5,0/6,0 GHZ

Les câbles 5 à 8 sont conçus pour les dispositifs LPWA qui fonctionnent dans les normes **WiFi, Bluetooth, ZigBee et ISM**. Les bandes **2,4/5,0 GHz et 6,0 GHz** combinent une **longue portée**, une **courte portée** et une très grande capacité sans entrer en concurrence avec le trafic d'autres appareils ou réseaux.

CÂBLE 9 : GPS/GLONASS

Antenne dédiée aux applications de **navigation de précision** qui fonctionnent selon les normes **GPS et GLONASS**. Conçue avec un **diagramme de rayonnement hémisphérique** et une **polarisation circulaire** à droite, elle rayonne sur tous les plans et maximise la connectivité.

Elle peut maintenir un **gain actif de 28 dB @ 2.7V** et un **facteur de bruit de 1,8** dans le récepteur. Le **post-filtre SAW** bloque les fréquences inadéquates avec une **réjection hors bande de ~43 dB** sur les bandes 1561-1602 MHz.

INSTALLATION / ENVIRONNEMENT

Indépendante du plan de masse, cette antenne peut être peut être installée avec un adhésif facile à décoller et à coller sur tout type de surface, ce qui la rend idéale pour les installations temporaires. Fabriqué en **acrylonitrile styrène acrylate** (ASA), son boîtier à profil bas ne mesure que 198 x 127 x 15,7 mm, ce qui rend cette **antenne 55 % plus petite que toute autre antenne** sur le marché.

Les indices d'étanchéité **IP67 et IP69** offrent à cette antenne compacte une protection maximale contre la poussière et la pénétration de l'eau.

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)	~-13.2	~-15,7	~-12.6	~-11.6
VSWR	~1.6:1	~1.6:1	~1.7:1	~1.8:1
EFFICACITÉ (%)	~55,2	~46,9	~30,4	~26,3
GAIN MAXIMAL (DBI)	~3.1	~4,5	~2.0	~0,9
GAIN MOYEN (DB)	~-2.6	~-3.3	~-5.2	~-5.8
IMPÉDANCE (OHMS)	50			
POLARISATION	Linéaire			
RAYONNEMENT	Omnidirectionnel			
PUISSANCE D'ENTRÉE MAX. (W)	25			

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)	~-14.6	~-15.4	~-15,6	~-15,7
VSWR	~1.5:1	~1.5:1	~1.5:1	~1.4:1
EFFICACITÉ (%)	~55,1	~46,9	~35,5	~34,0
GAIN MAXIMAL (DBI)	~3.3	~4.1	~3.2	~2,9
GAIN MOYEN (DB)	~-2.6	~-3.3	~-4.6	~-4.7
IMPÉDANCE (OHMS)	50			
POLARISATION	Linéaire			
RAYONNEMENT	Omnidirectionnel			
PUISSANCE D'ENTRÉE MAX. (W)	25			

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)	~-15.4	~-14.3	~-13,7	~-13.0
VSWR	~1.5:1	~1.6:1	~1.7:1	~1.7:1
EFFICACITÉ (%)	~55,3	~44,0	~29,7	~27,5
GAIN MAXIMAL (DBI)	~3,5	~3,4	~2,6	~3.1
GAIN MOYEN (DB)	~-2.6	~-3.6	~-5.4	~-5.6
IMPÉDANCE (OHMS)	50			
POLARISATION	Linéaire			
RAYONNEMENT	Omnidirectionnel			
PUISSANCE D'ENTRÉE MAX. (W)	25			

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)	~-15.2	~-16.8	~-13.9	~-12.5
VSWR	~1.5:1	~1.4:1	~1.6:1	~1.7:1
EFFICACITÉ (%)	~57,1	~48,4	~30,4	~25,1
GAIN MAXIMAL (DBI)	~3,4	~4,5	~2,5	~1,2
GAIN MOYEN (DB)	~-2.4	~-3.2	~-5.4	~-6.2
IMPÉDANCE (OHMS)	50			
POLARISATION	Linéaire			
RAYONNEMENT	Omnidirectionnel			
PUISSANCE D'ENTRÉE MAX. (W)	25			

Caractéristiques communes Câbles 1, 2, 3 et 4

CONNECTEUR	Norme SMA-Mâle (autres connecteurs disponibles)
LONGUEUR DE CÂBLE	300 cm standard (toute longueur de câble disponible)
TYPE DE CÂBLE	Norme D302 (autres câbles disponibles)

Câble 5 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

BANDE (MHZ)	2,4 GHz	5,0 GHz	6,0 GHz
FRÉQUENCE(S) (MHZ)	2410-2490	4920-5925	5925-7125
PERTE DE RETOUR (DB)	~-13,5	~-15.8	~-14.2
VSWR	~1.6:1	~1.5:1	~1.6:1
EFFICACITÉ (%)	~30,8	~20,2	~47,2
GAIN MAXIMAL (DBI)	~4,5	~3.1	~3,8
GAIN MOYEN (DB)	~-5.1	~-7.1	~-3.3
IMPÉDANCE (OHMS)	50		
POLARISATION	Linéaire		
RAYONNEMENT	Omnidirectionnel		
PUISSANCE D'ENTRÉE MAX. (W)	25		

Câble 6 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

BANDE (MHZ)	2,4 GHz	5,0 GHz	6,0 GHz
FRÉQUENCE(S) (MHZ)	2410-2490	4920-5925	5925-7125
PERTE DE RETOUR (DB)	~-11.9	~-13.2	~-11.8
VSWR	~1.9:1	~1.7:1	~1.9:1
EFFICACITÉ (%)	~37,6	~23,0	~42,3
GAIN MAXIMAL (DBI)	~6.0	~5.0	~3.0
GAIN MOYEN (DB)	~-4.3	~-6.5	~-3.8
IMPÉDANCE (OHMS)	50		
POLARISATION	Linéaire		
RAYONNEMENT	Omnidirectionnel		
PUISSANCE D'ENTRÉE MAX. (W)	25		

Câble 7 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

BANDE (MHZ)	2,4 GHz	5,0 GHz	6,0 GHz
FRÉQUENCE(S) (MHZ)	2410-2490	4920-5925	5925-7125
PERTE DE RETOUR (DB)	~-19.2	~-14.8	~-13.4
VSWR	~1.3:1	~1.6:1	~1.6:1
EFFICACITÉ (%)	~38,2	~34,3	~44,4
GAIN MAXIMAL (DBI)	~3,7	~2,3	~3.1
GAIN MOYEN (DB)	~-4.2	~-4.7	~-3.5
IMPÉDANCE (OHMS)	50		
POLARISATION	Linéaire		
RAYONNEMENT	Omnidirectionnel		
PUISSANCE D'ENTRÉE MAX. (W)	25		

Câble 8 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

BANDE (MHZ)	2,4 GHz	5,0 GHz	6,0 GHz
FRÉQUENCE(S) (MHZ)	2410-2490	4920-5925	5925-7125
PERTE DE RETOUR (DB)	~-16,5	~-15,5	~-7.9
VSWR	~1.4:1	~1.5:1	~1.5:1
EFFICACITÉ (%)	~36,3	~28,4	~39,4
GAIN MAXIMAL (DBI)	~4.4	~2,6	~3.1
GAIN MOYEN (DB)	~-4.4	~-5.5	~-4.0
IMPÉDANCE (OHMS)	50		
POLARISATION	Linéaire		
RAYONNEMENT	Omnidirectionnel		
PUISSANCE D'ENTRÉE MAX. (W)	25		

Conditions de mesure de l'antenne :
- Montée sur plaque plastique de 30 x 30 x 0,25 cm
- 100 cm de Câble D302
- Mesurée dans une chambre anéchoïque certifiée CTIA 3D

Caractéristiques communes Câbles 5, 6, 7 et 8

CONNECTEUR	Norme SMA-Mâle-RP (autres connecteurs disponibles)
LONGUEUR DE CÂBLE	300 cm standard (toute longueur de câble disponible)
TYPE DE CÂBLE	Norme D302 (autres câbles disponibles)

Câble 9 : GPS/QZSS/Galileo/GLONASS

NORMES	Beidou	GPS/QZSS/Galileo	GLONASS
BANDES (MHZ)	1561	1575	1602
FRÉQUENCE(S) (MHZ)	1561.098	1575.42	1598-1606
GAIN PASSIF (DBI)	~4.2	~4,5	~5.0
IMPÉDANCE (OHMS)	50		
RAYONNEMENT	Hémisphérique		
PLAGE DE TENSION (V)	1,5 - 3,6		
GAIN ACTIF (DB)	28 à 2,7 V		
FACTEUR DE BRUIT (DB)	1,8 à 2,7 V		
CONSOMMATION DE COURANT (MA)	9 à 2,7 V		
CONSOMMATION ÉLECTRIQUE (MW)	24,3 à 2,7 V		
FILTRE SAW	Pré-filtre		
RÉJECTION HORS BANDE (DB)	~43		
PROTECTION ESD (KV)	6		
CONNECTEUR	Norme SMA-Mâle (autres connecteurs disponibles)		
LONGUEUR DE CÂBLE	300 cm standard (toute longueur de câble disponible)		
TYPE DE CÂBLE	Norme LL100 (autres câbles disponibles)		

SPÉCIFICATIONS

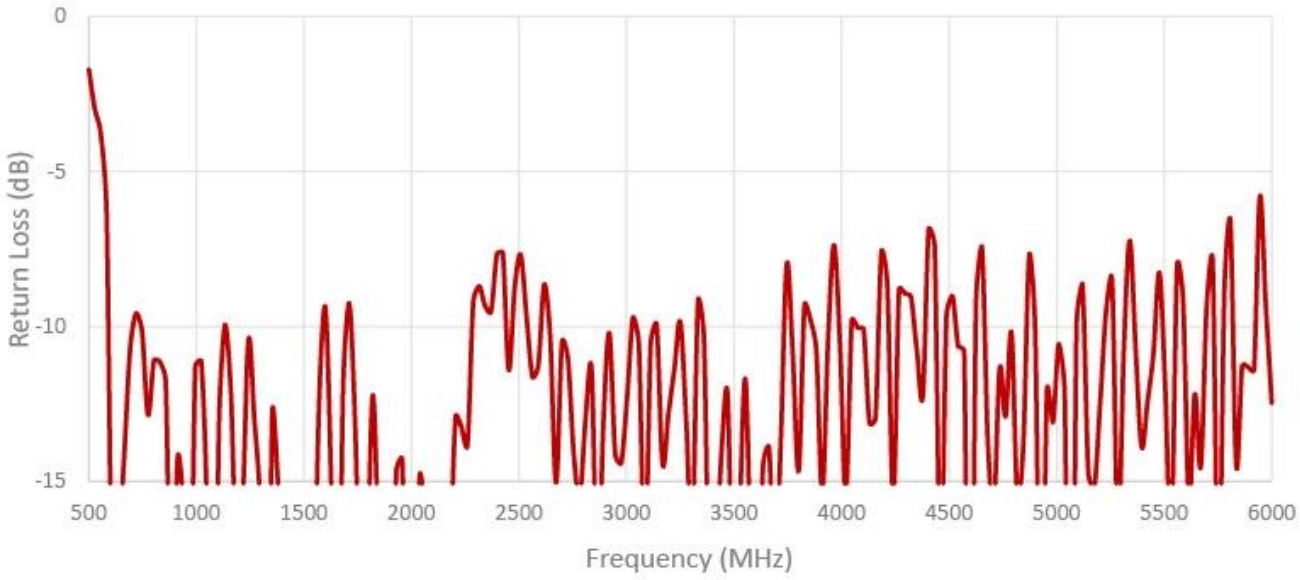
TYPE DE MONTAGE	Support adhésif
DIMENSIONS (MM)	198 × 127 × 15,7
MATÉRIAU RADÔME	ASA
COULEUR RADÔME	Noir
T° DE FONCTIONNEMENT (°C)	-40 à +85
T° DE STOCKAGE (°C)	-40 à +85
CERTIFICATION(S)	RoHS
INDICE(S) DE PROTECTION	IP67, IP69, CE

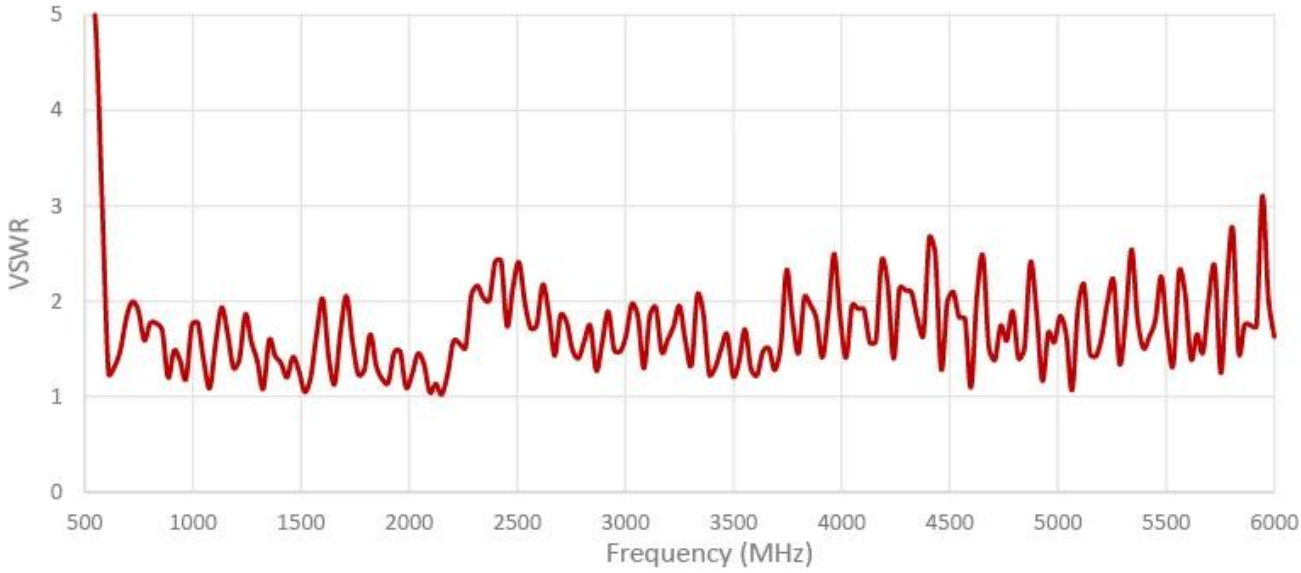
ENVIRONNEMENT

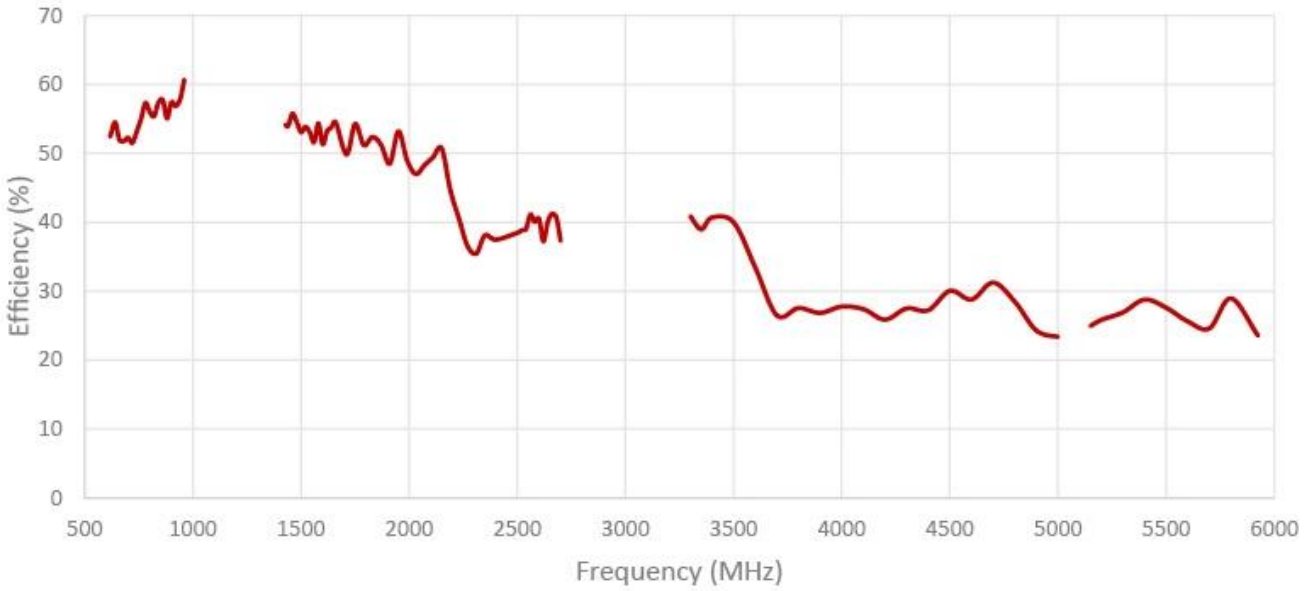
Cette gamme d'antenne est fabriquée sans matières dangereuses tout en maintenant une conformité totale avec **REACH et RoHS**.

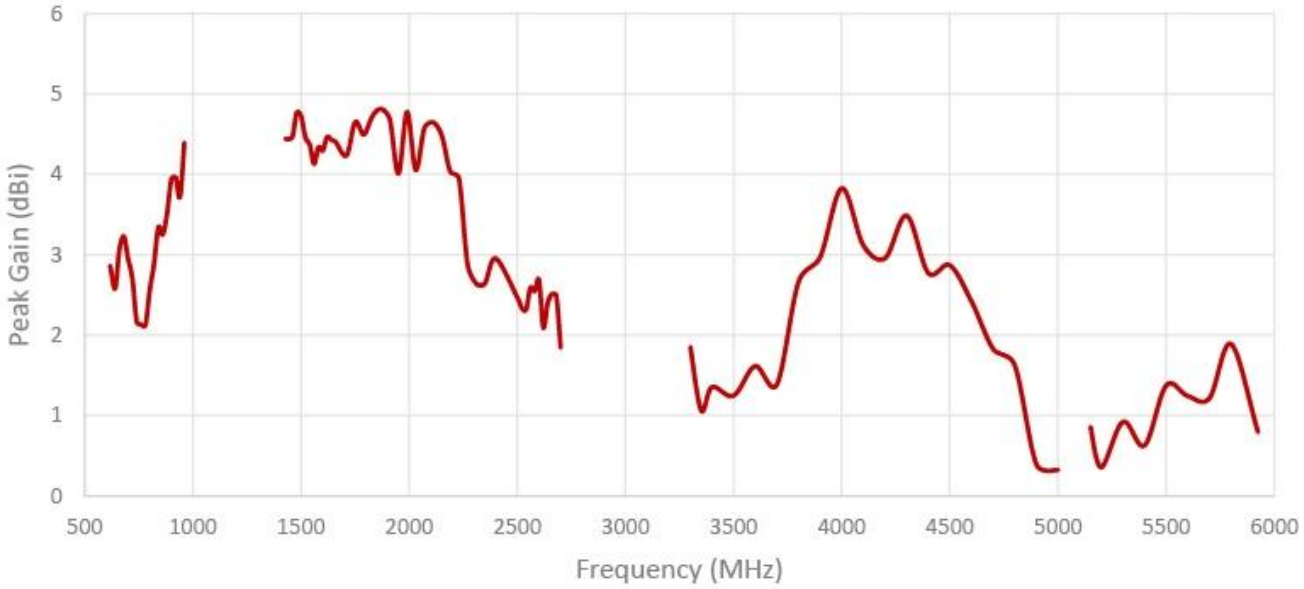
MESURES

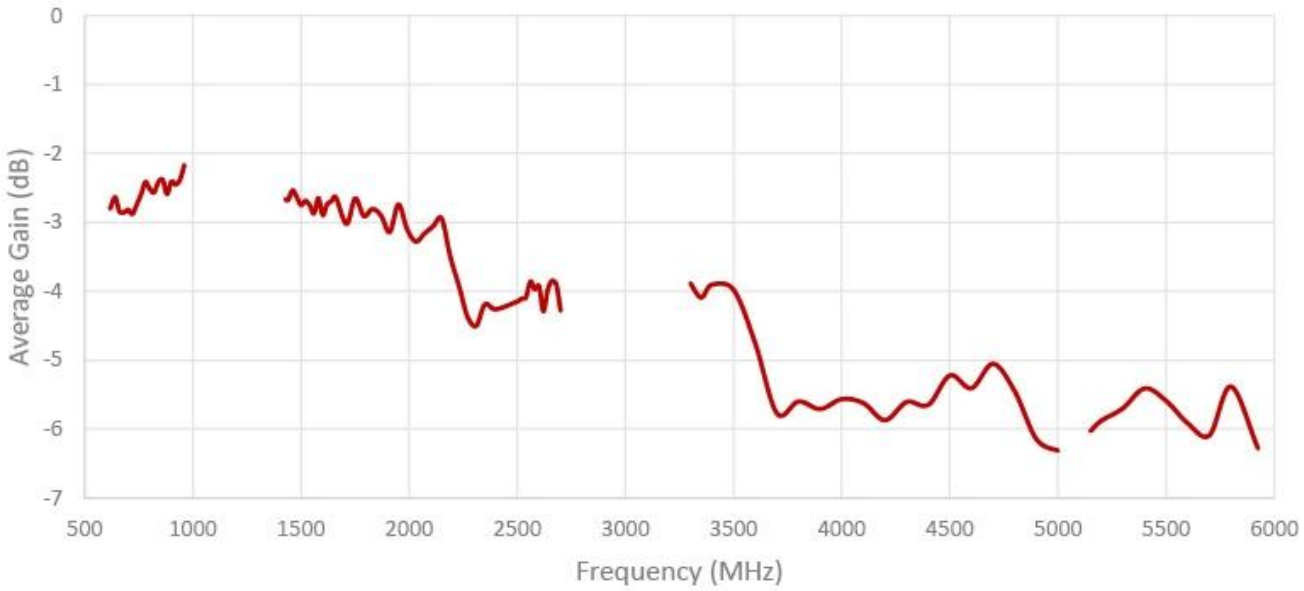
Câble 1 : 2G/3G/4G/5G - IoT/LPWAN



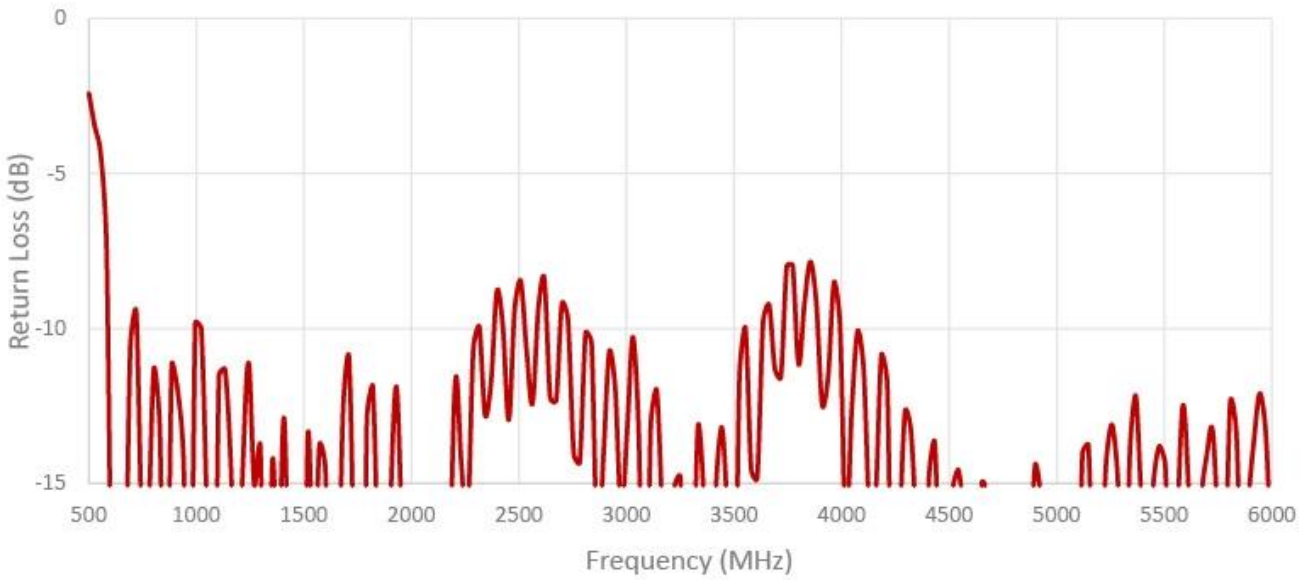


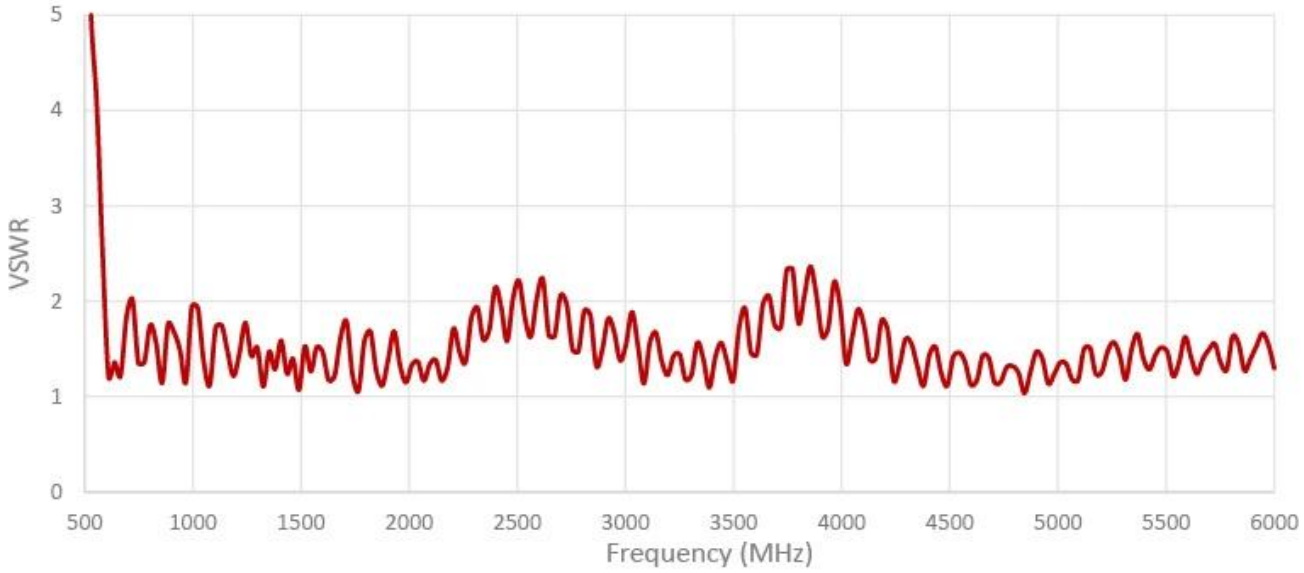

Efficiency (%)
70
60
50
40
30
20
10
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

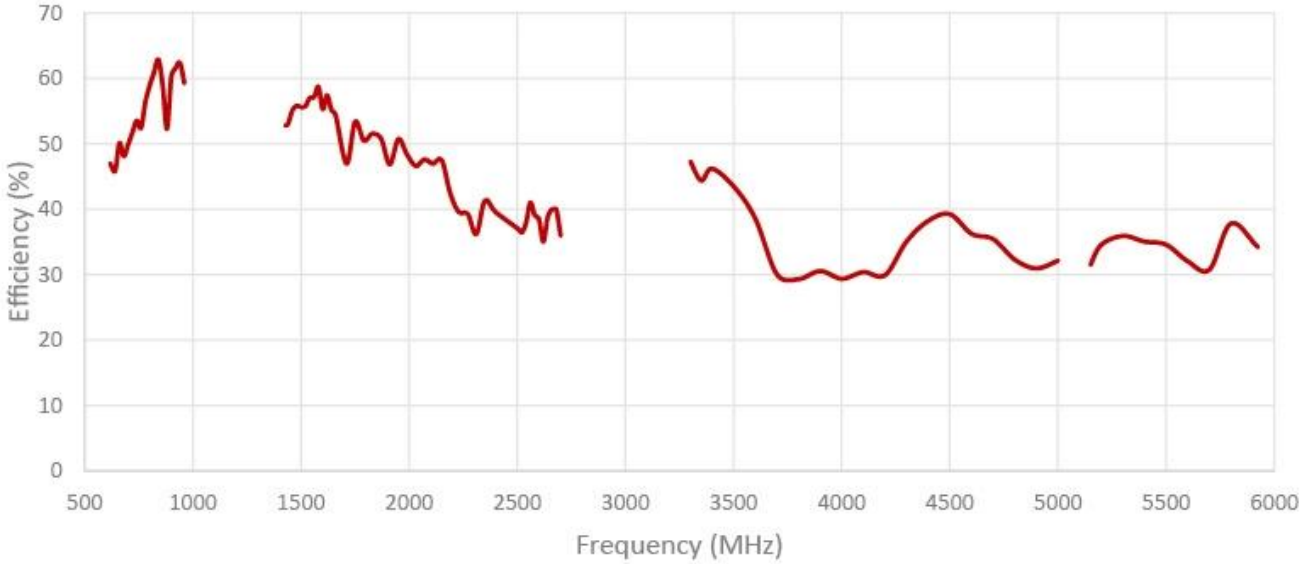

Peak Gain (dBi)
6
5
4
3
2
1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

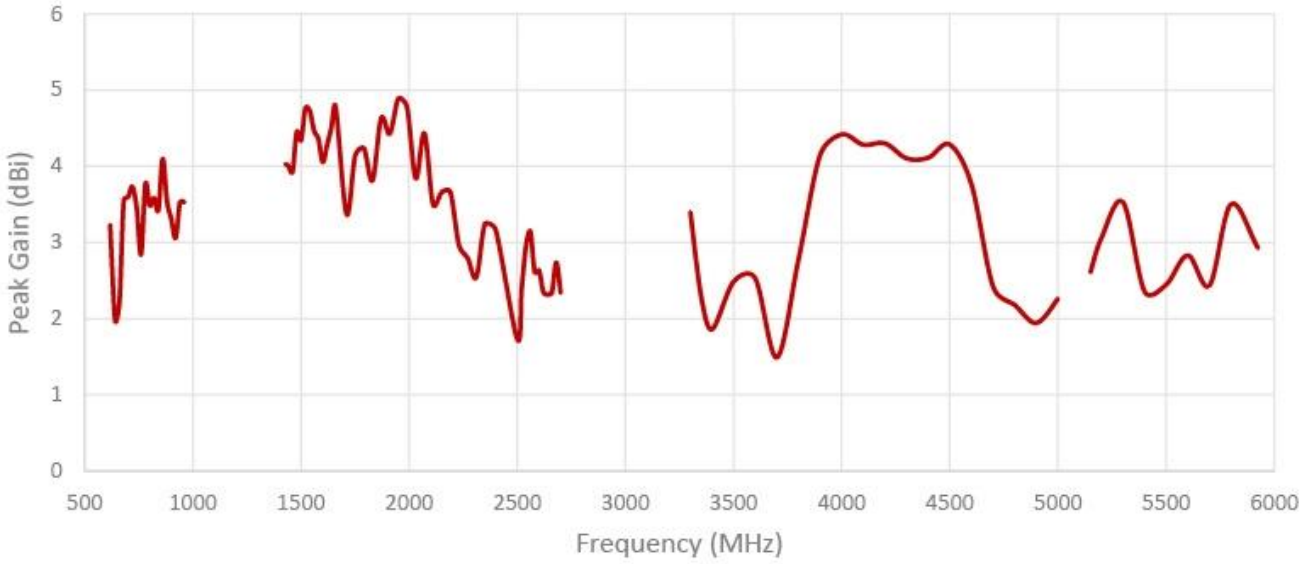


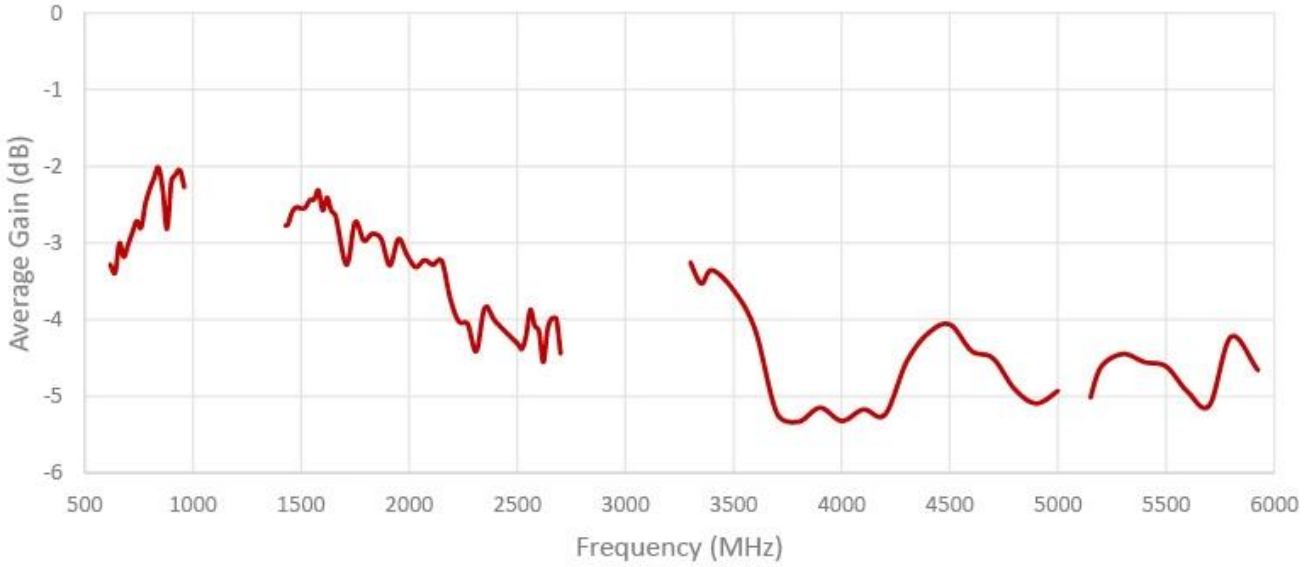
Câble 2 : 2G/3G/4G/5G - IoT/LPWAN



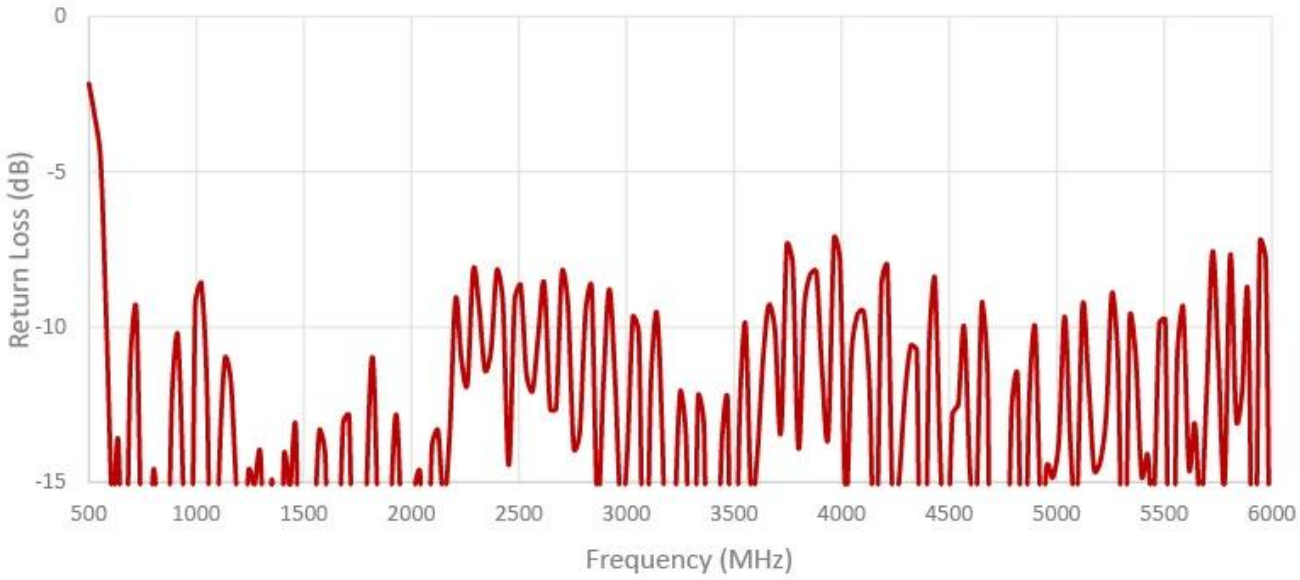

VSWR
0
1
2
3
4
5
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

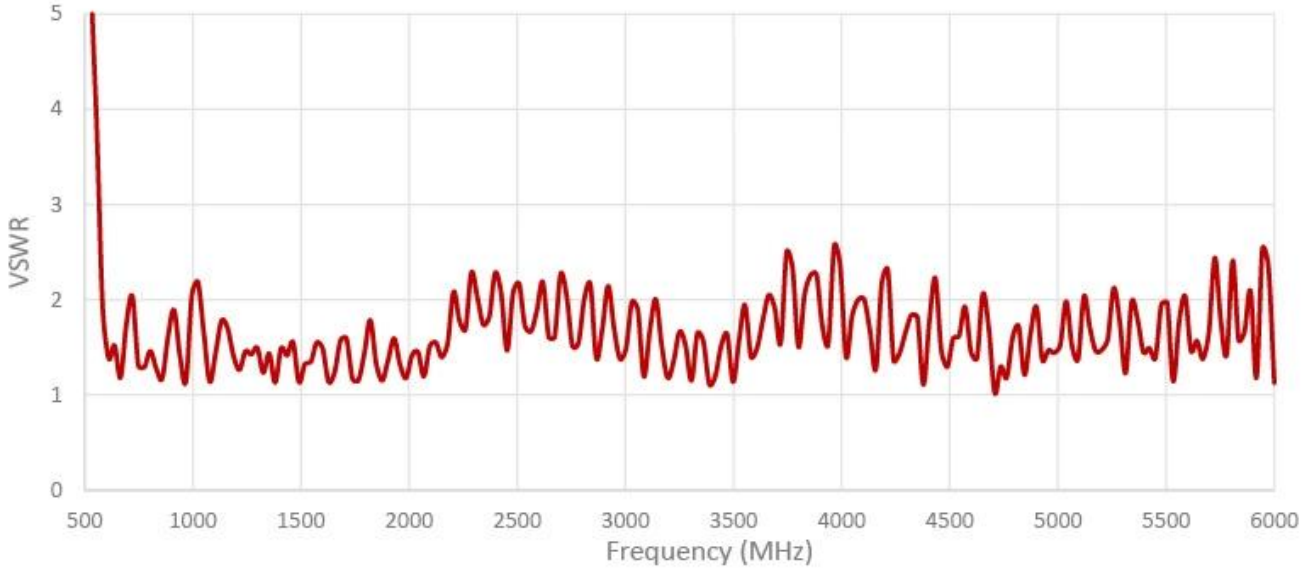

Efficiency (%)
0
10
20
30
40
50
60
70
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

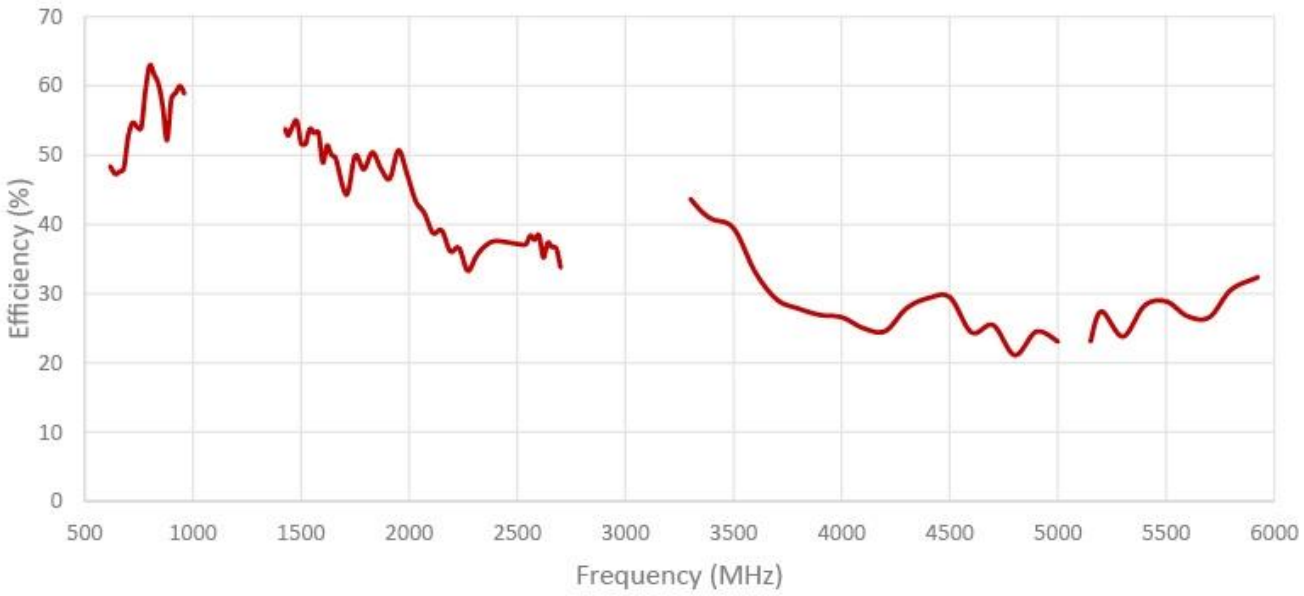

Peak Gain (dBi)
6
5
4
3
2
1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

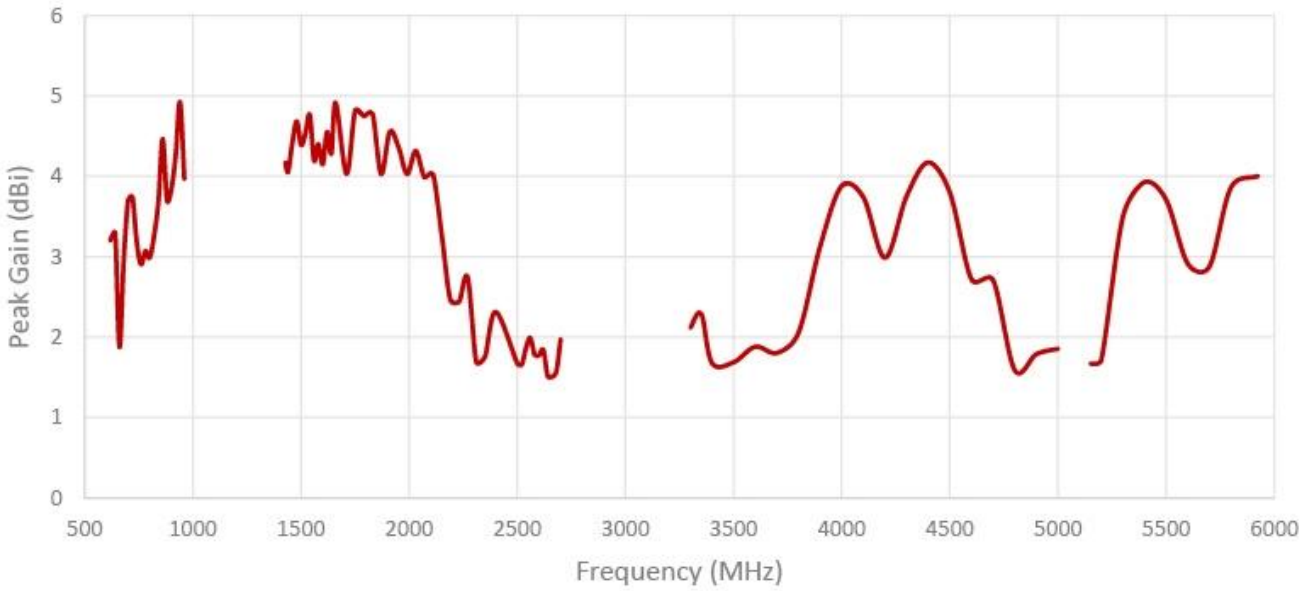

Average Gain (dB)
0
-1
-2
-3
-4
-5
-6
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

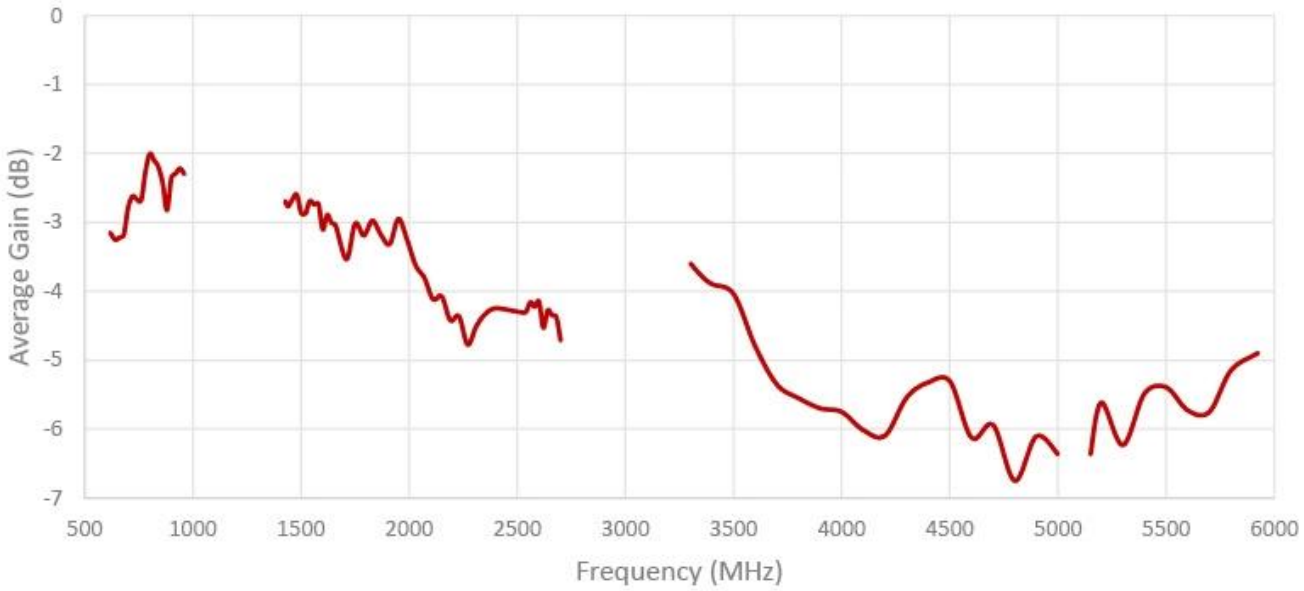
Câble 3 : 2G/3G/4G/5G - IoT/LPWAN



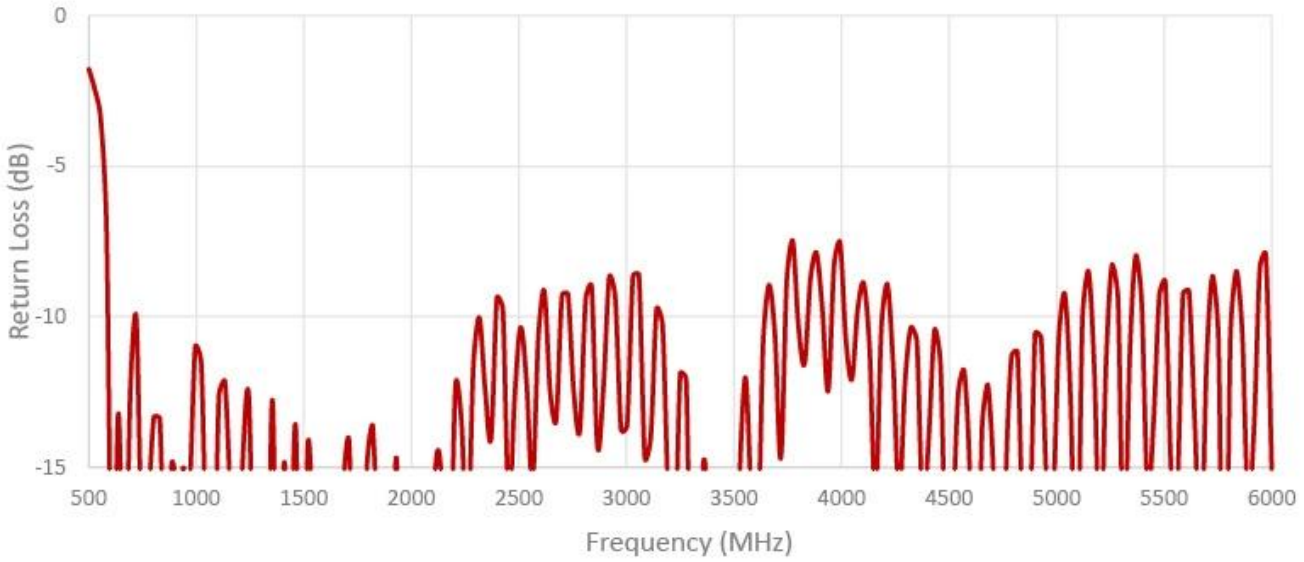


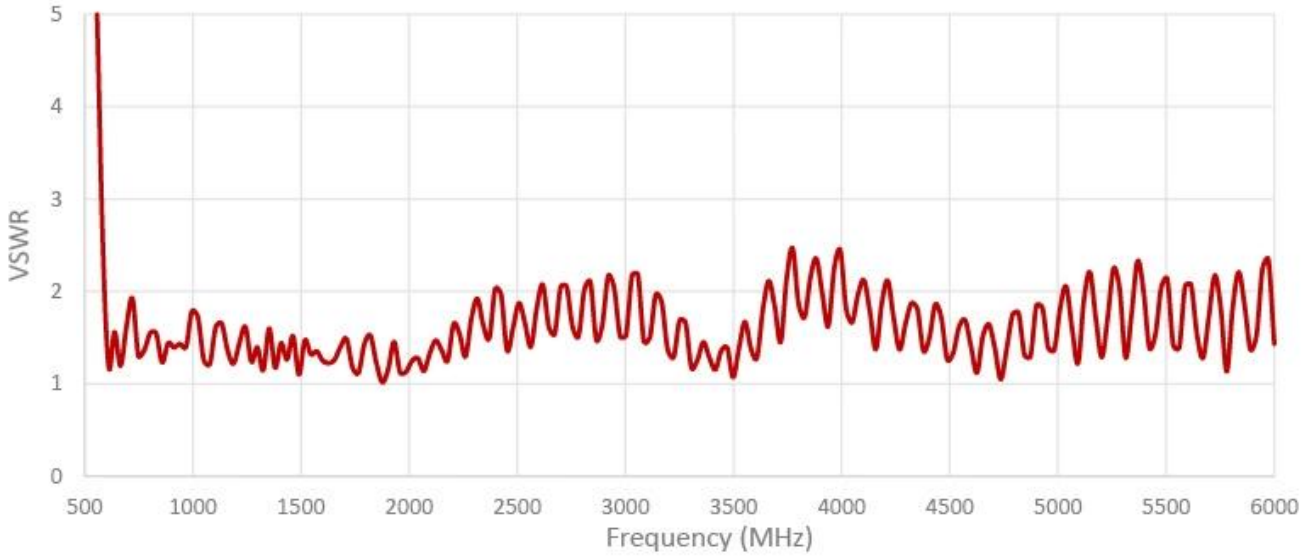

Efficiency (%)
70
60
50
40
30
20
10
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

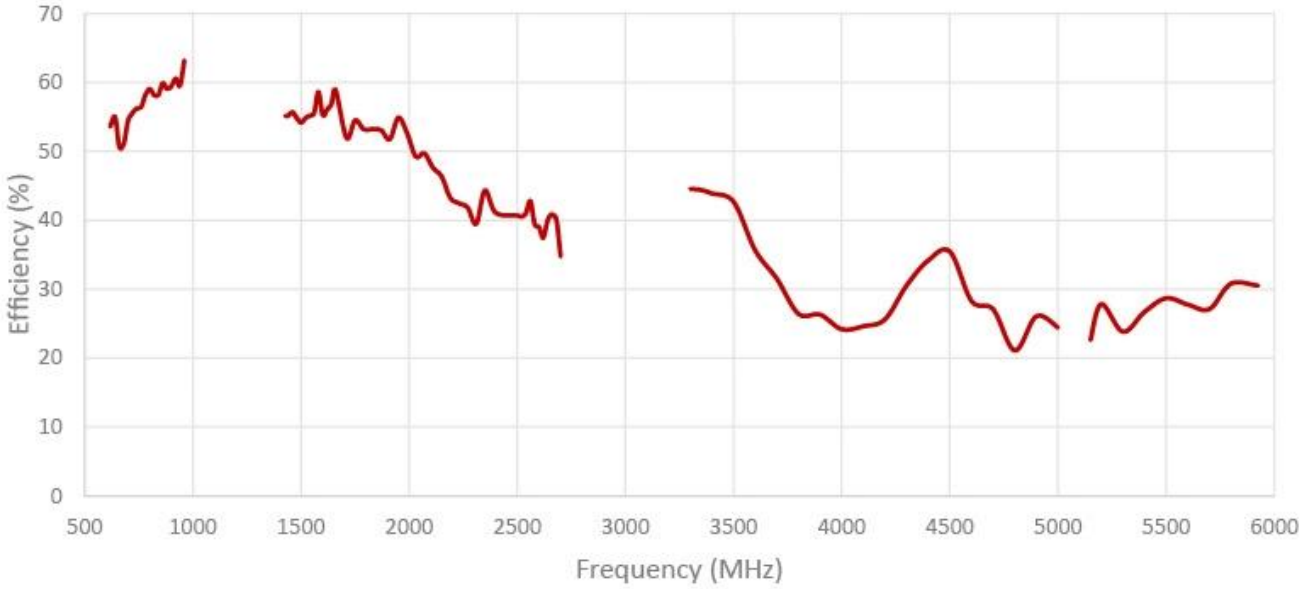

Peak Gain (dBi)
6
5
4
3
2
1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

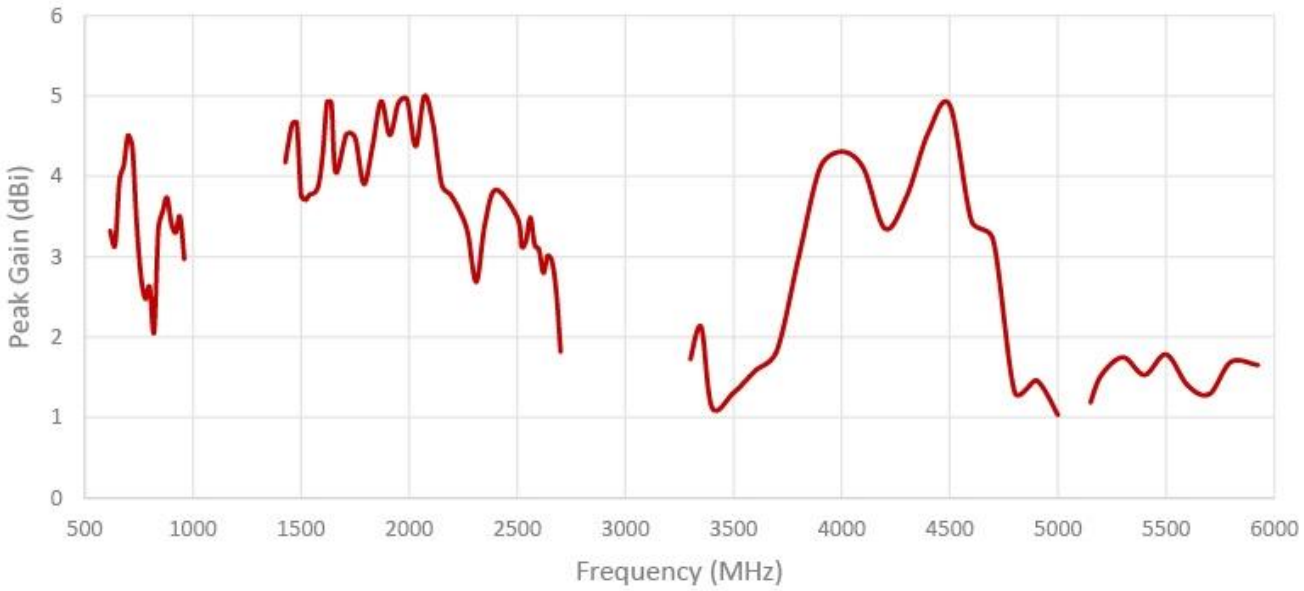


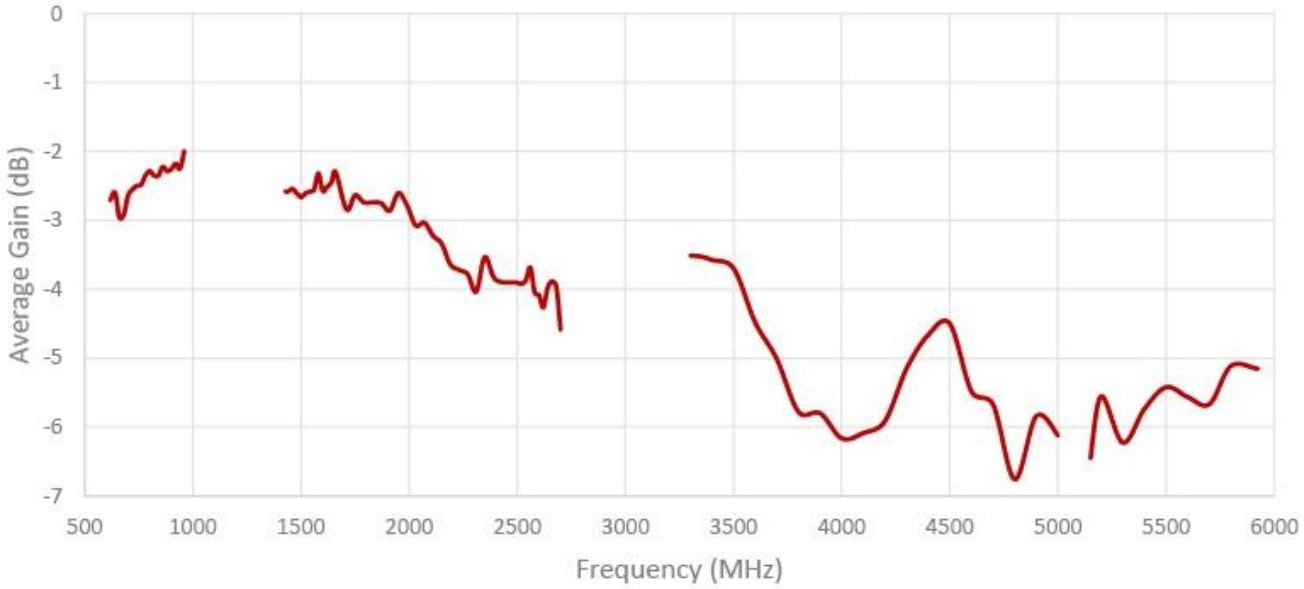
Câble 4 : 2G/3G/4G/5G - IoT/LPWAN



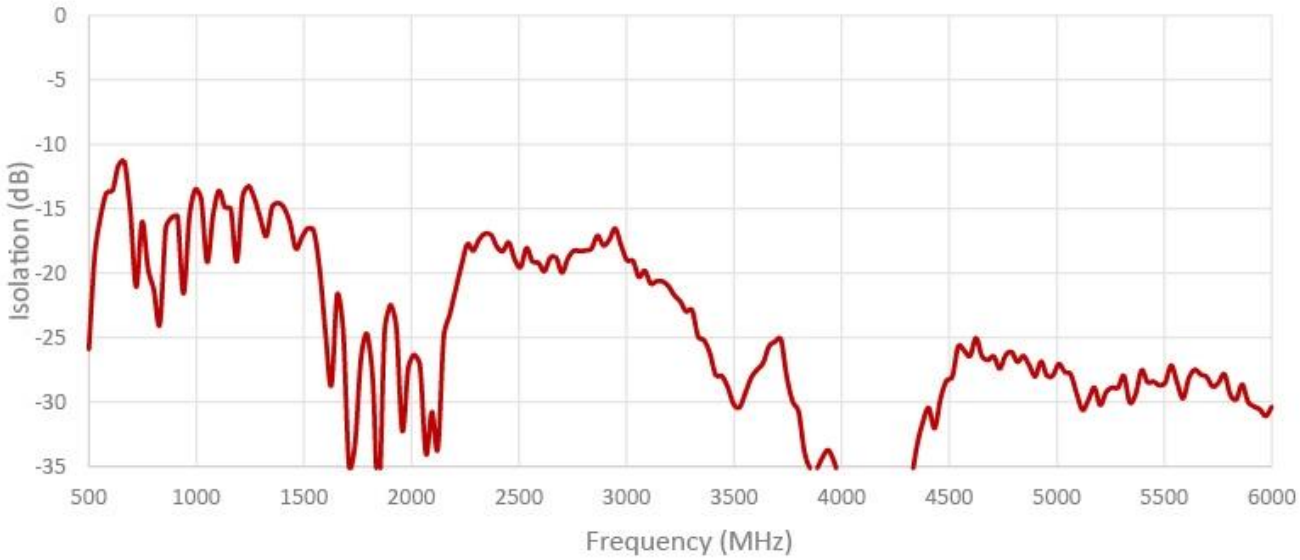

VSWR
0
1
2
3
4
5
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)


Efficiency (%)
0
10
20
30
40
50
60
70
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

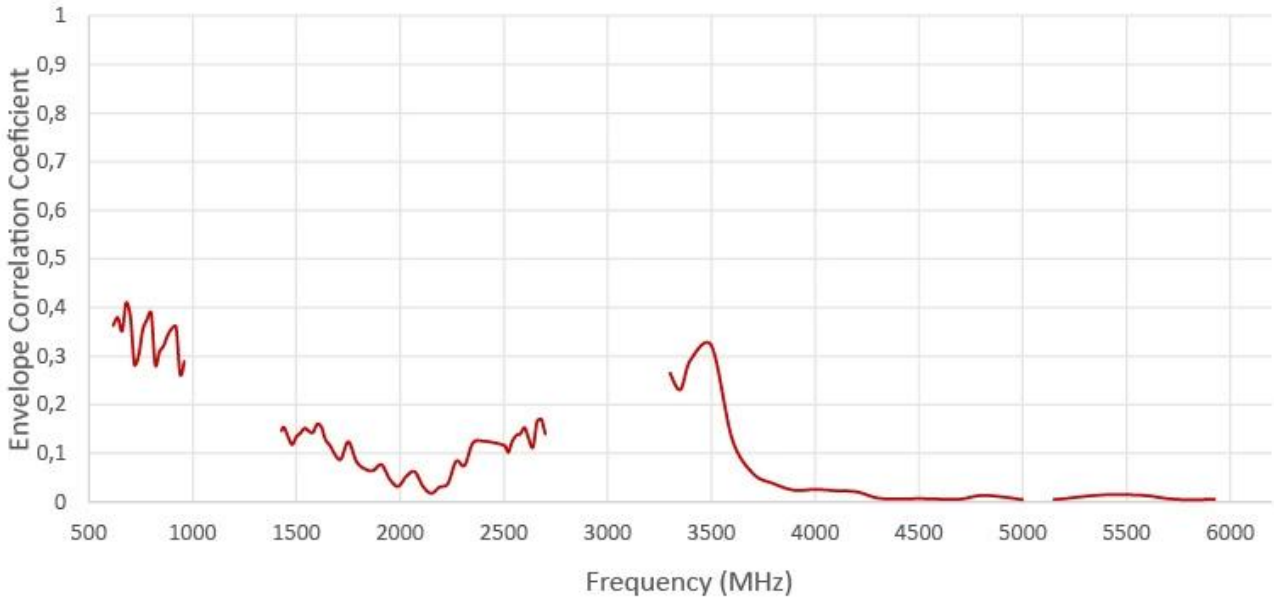

Peak Gain (dBi)
6
5
4
3
2
1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)


Average Gain (dB)
0
-1
-2
-3
-4
-5
-6
-7
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
Frequency (MHz)

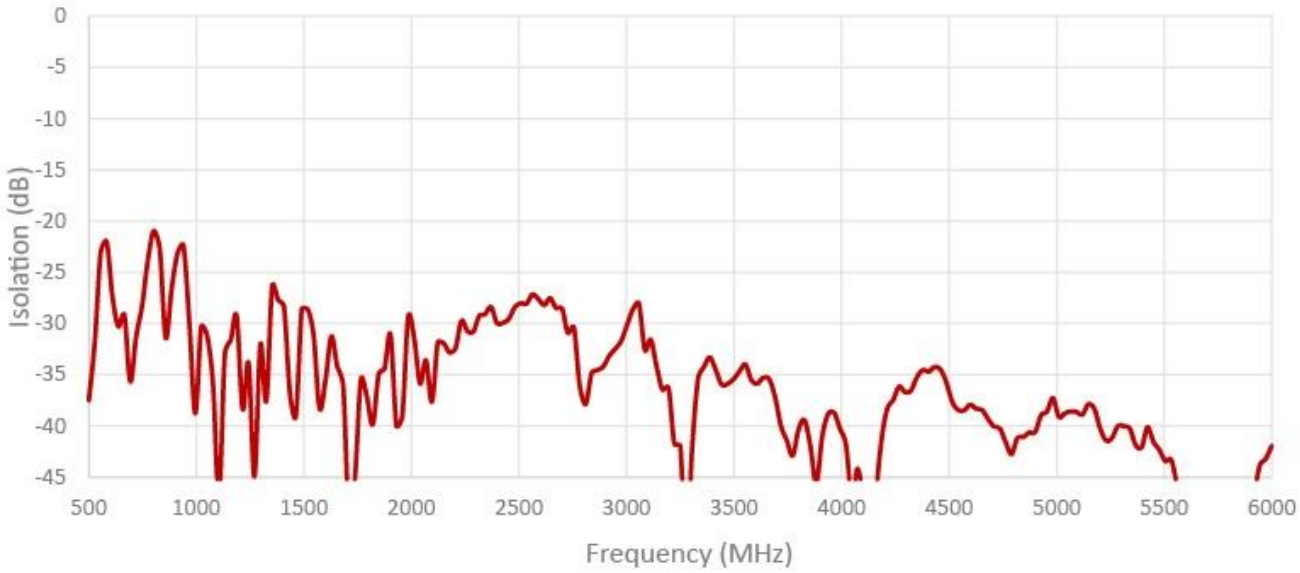
Isolation câble 1 et 2



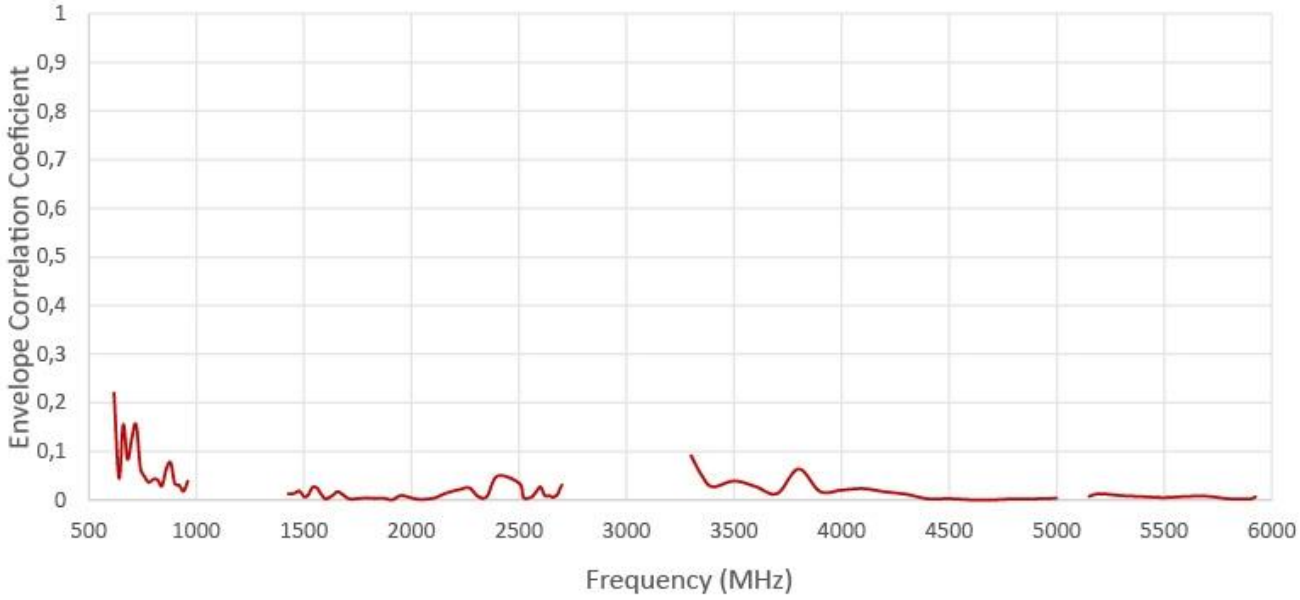
Coefficient de corrélation de l'enveloppe câble 1 et 2



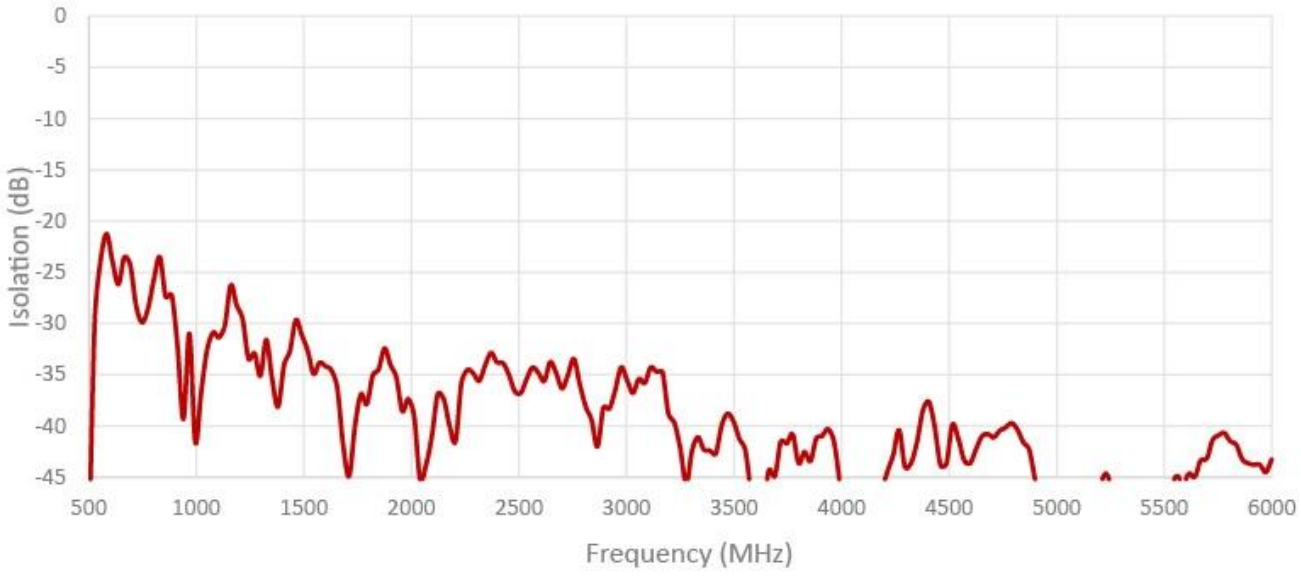
Isolation câble 1 et 3



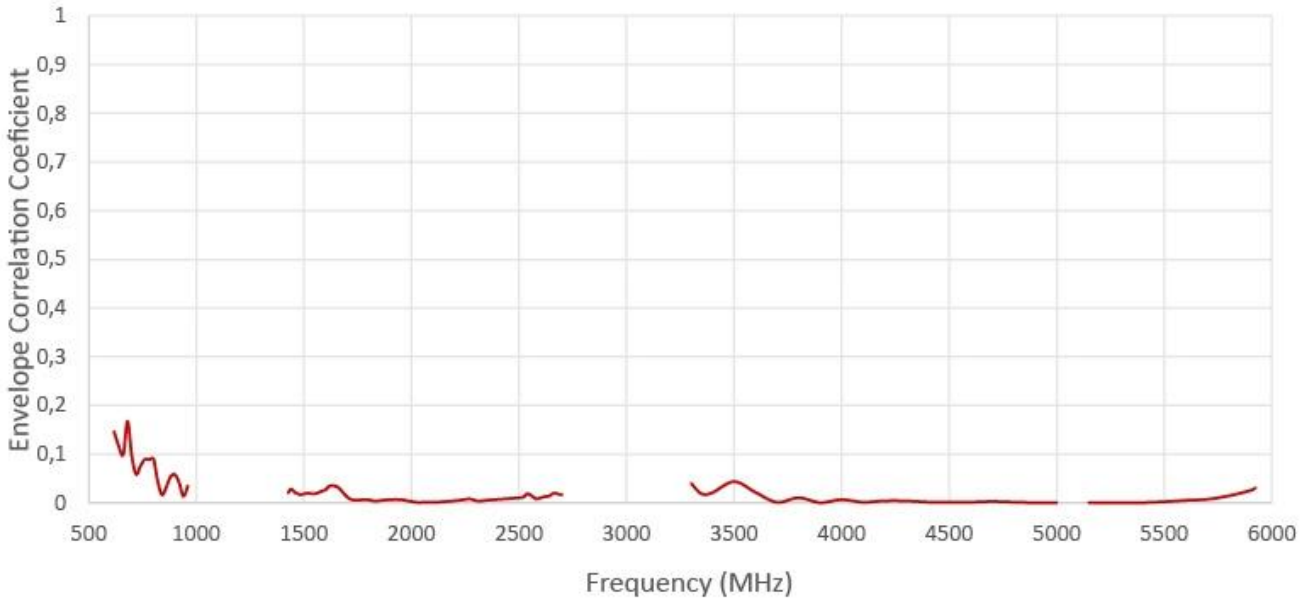
Coefficient de corrélation de l'enveloppe câble 1 et 3



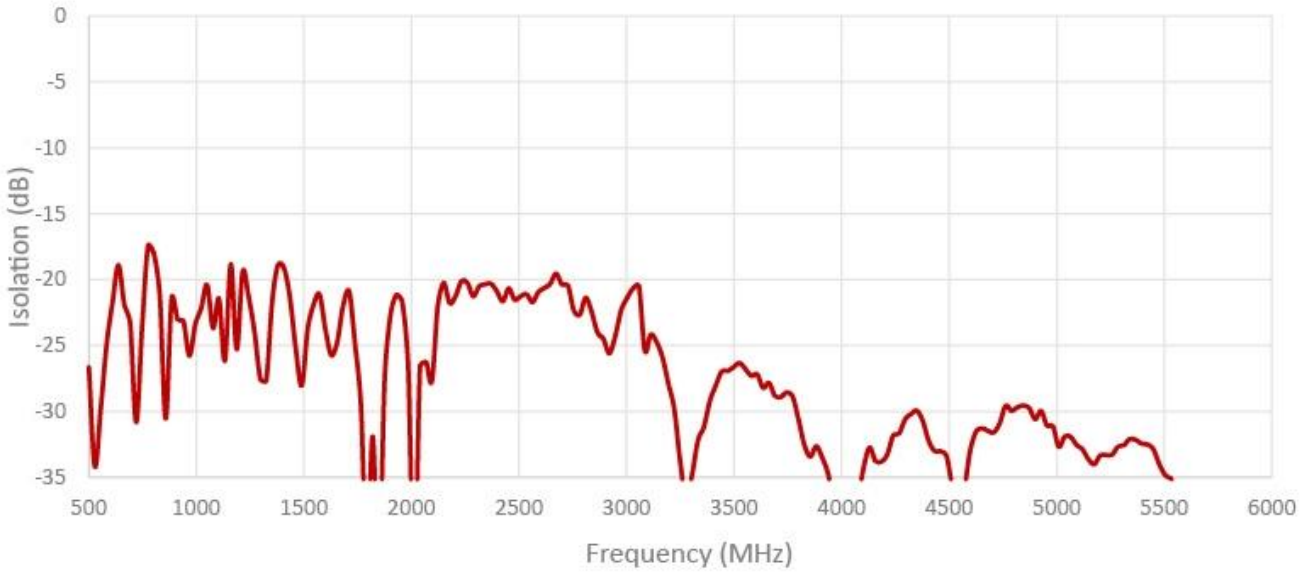
Isolation câble 1 et 4



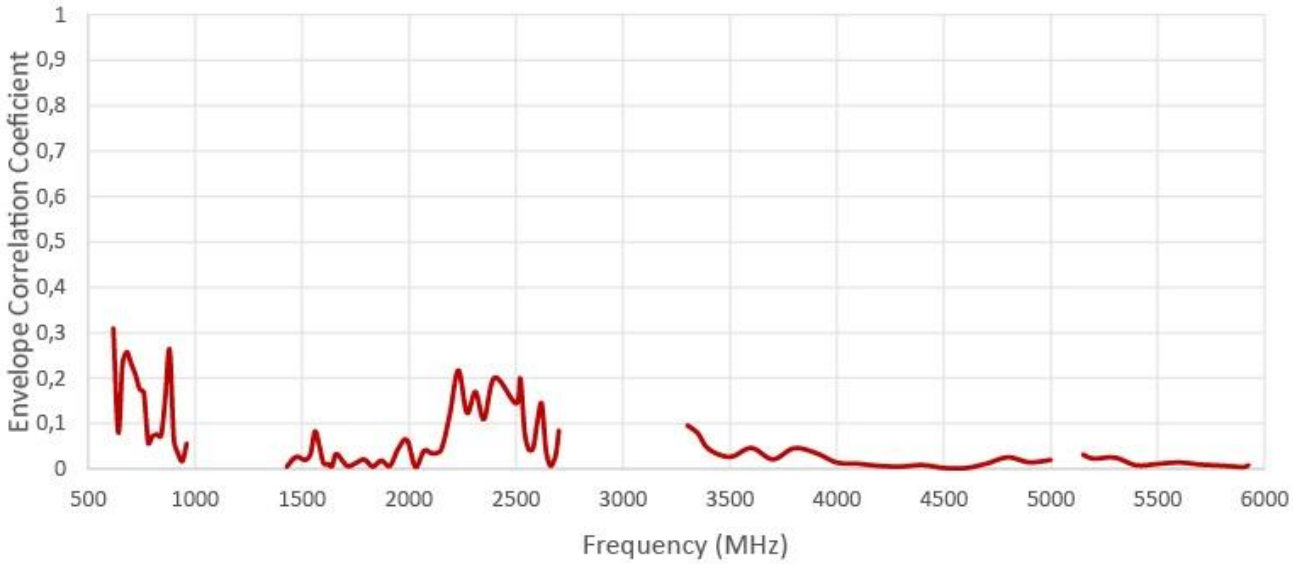
Coefficient de corrélation de l'enveloppe câble 1 et 4



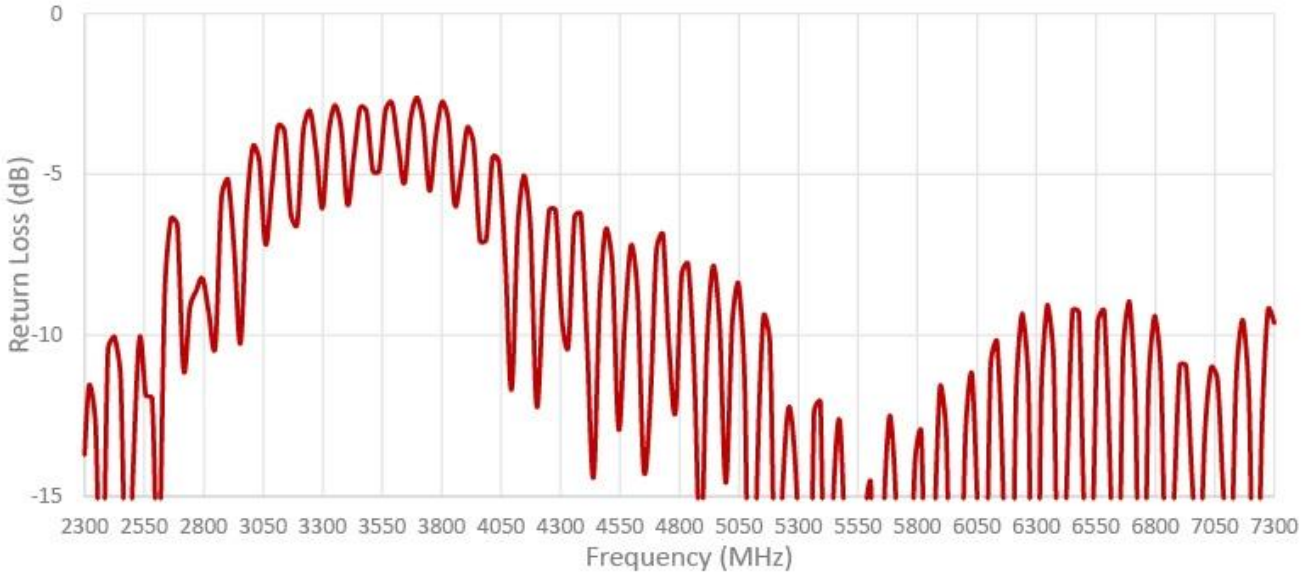
Isolation câble 2 et 3

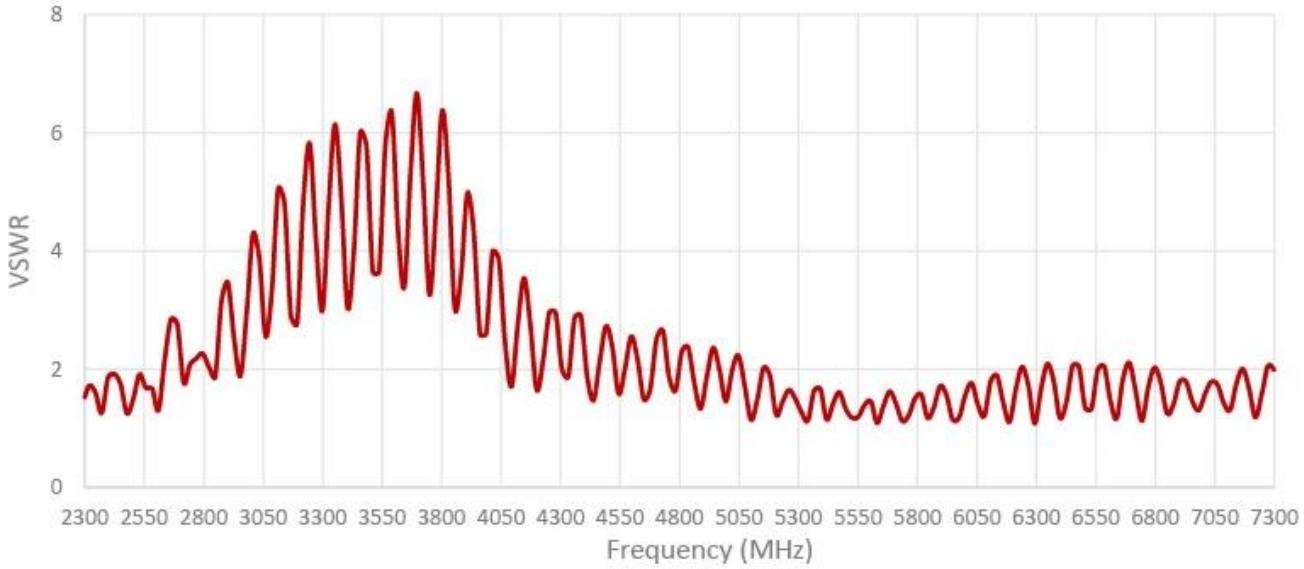


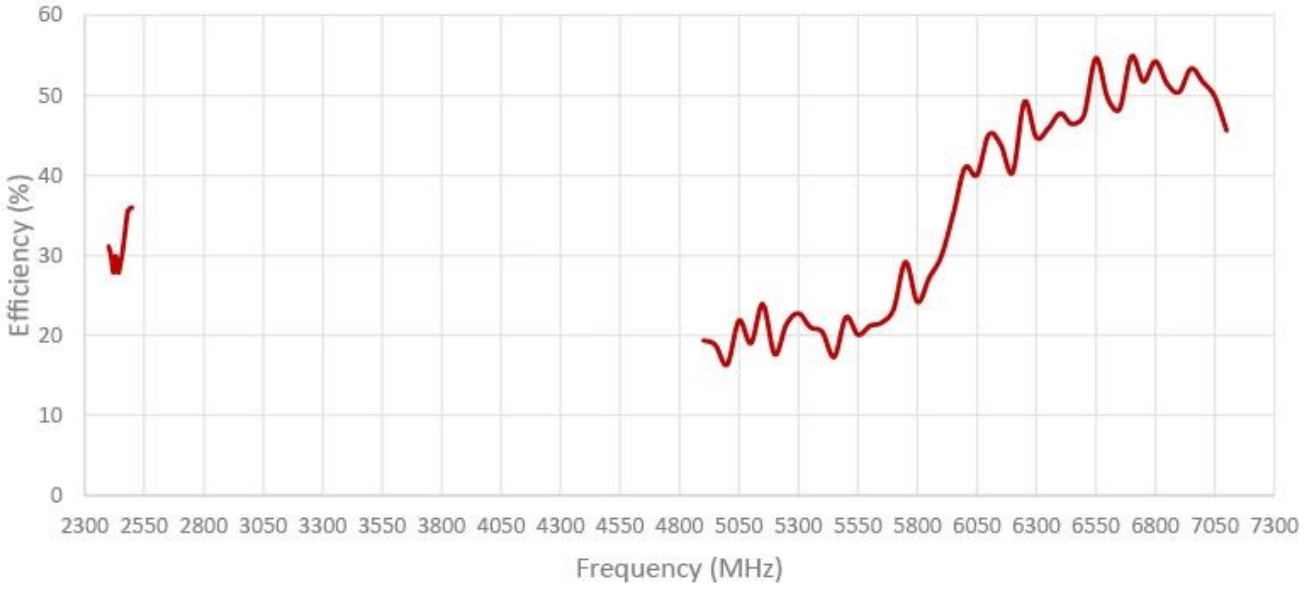
Coefficient de corrélation de l'enveloppe câble 2 et 3

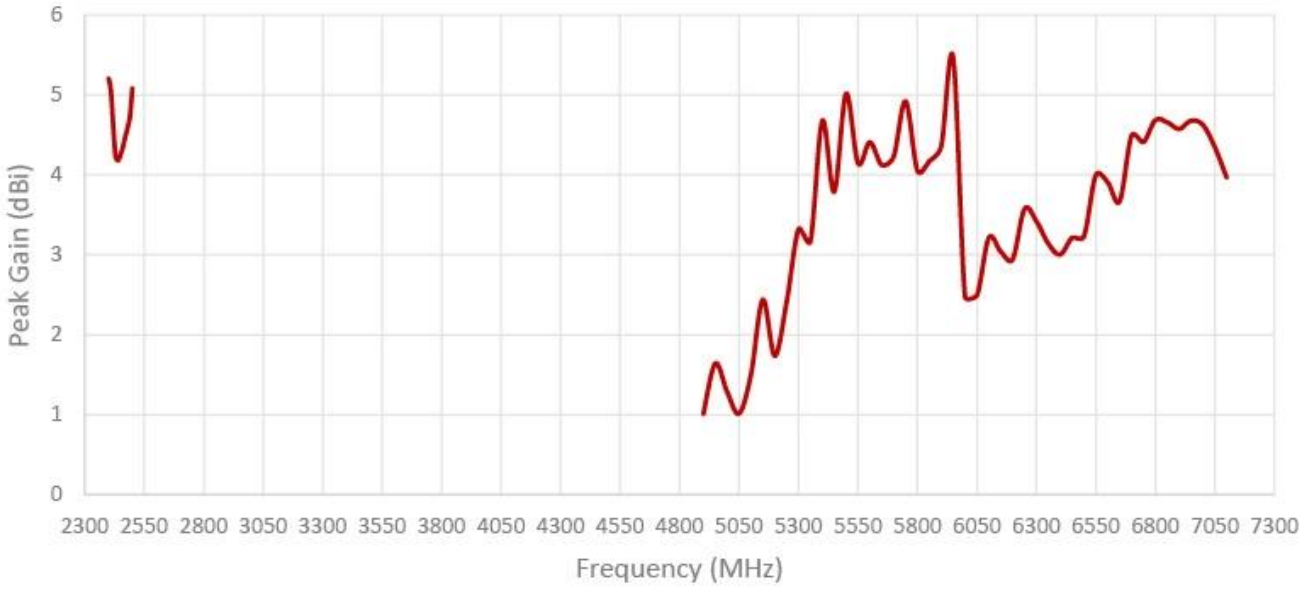


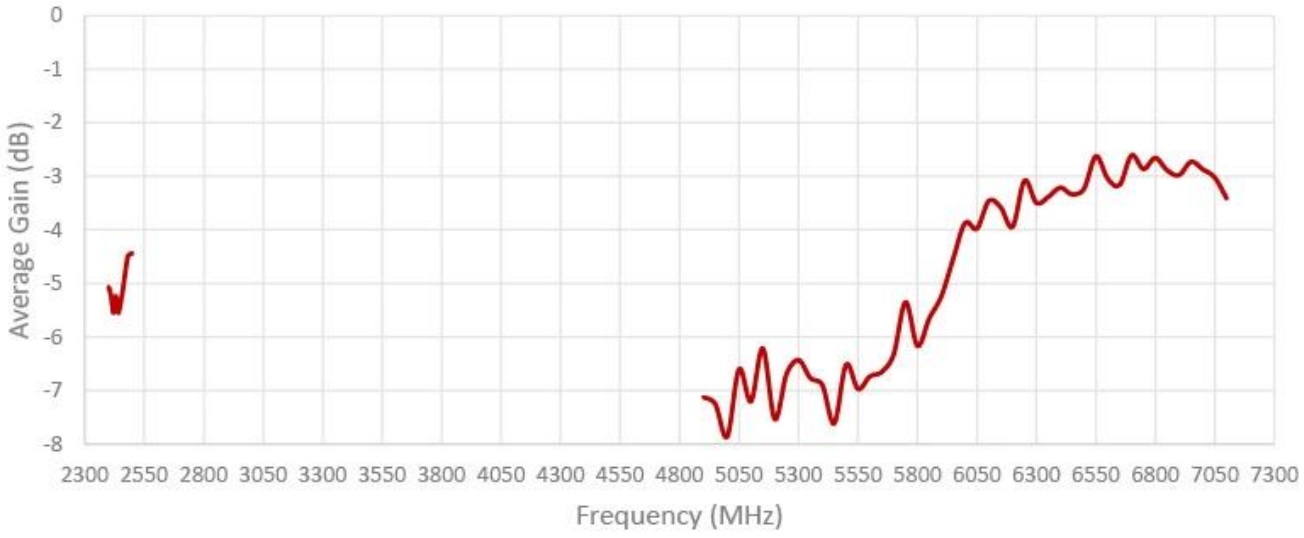
Câble 5 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee



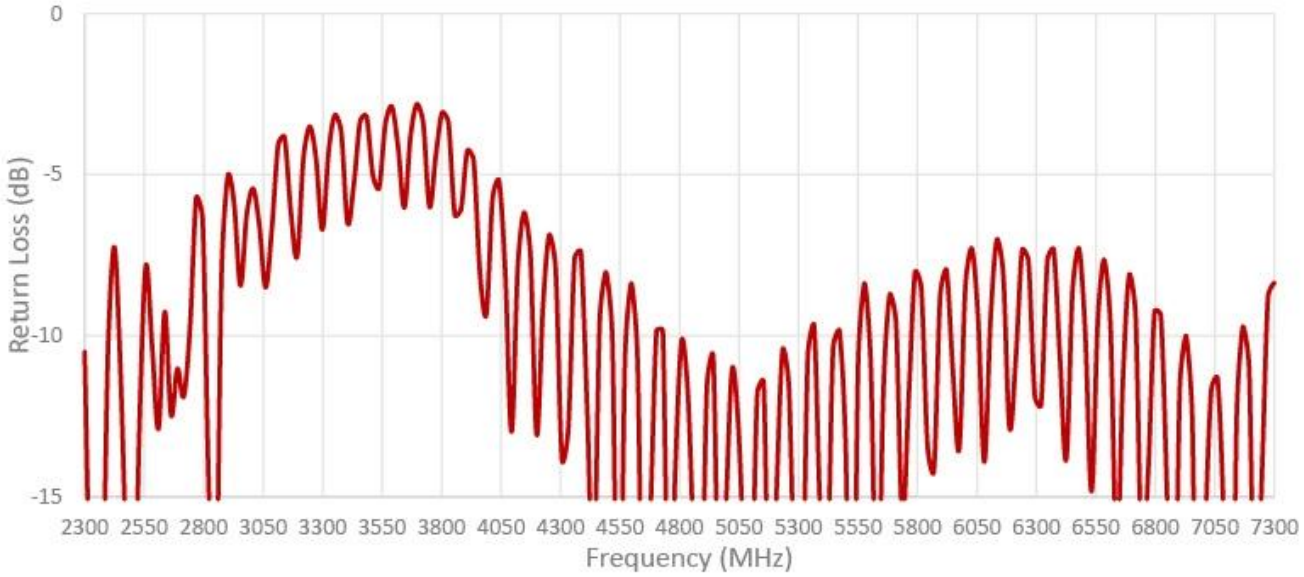


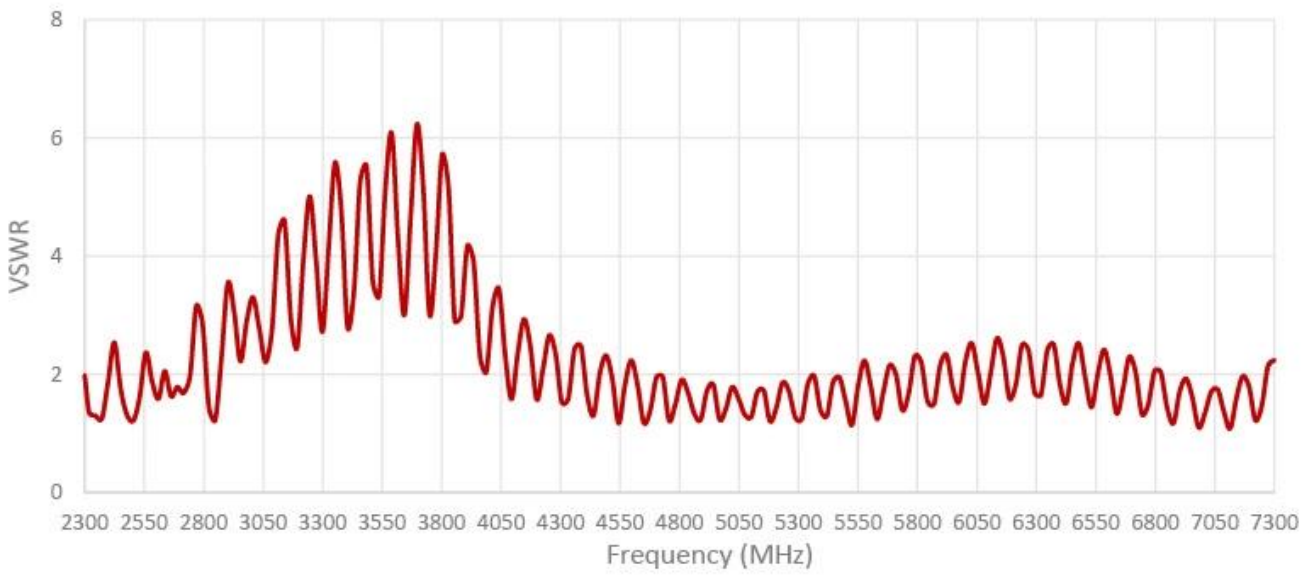

60
50
40
30
20
10
0
Efficiency (%)
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

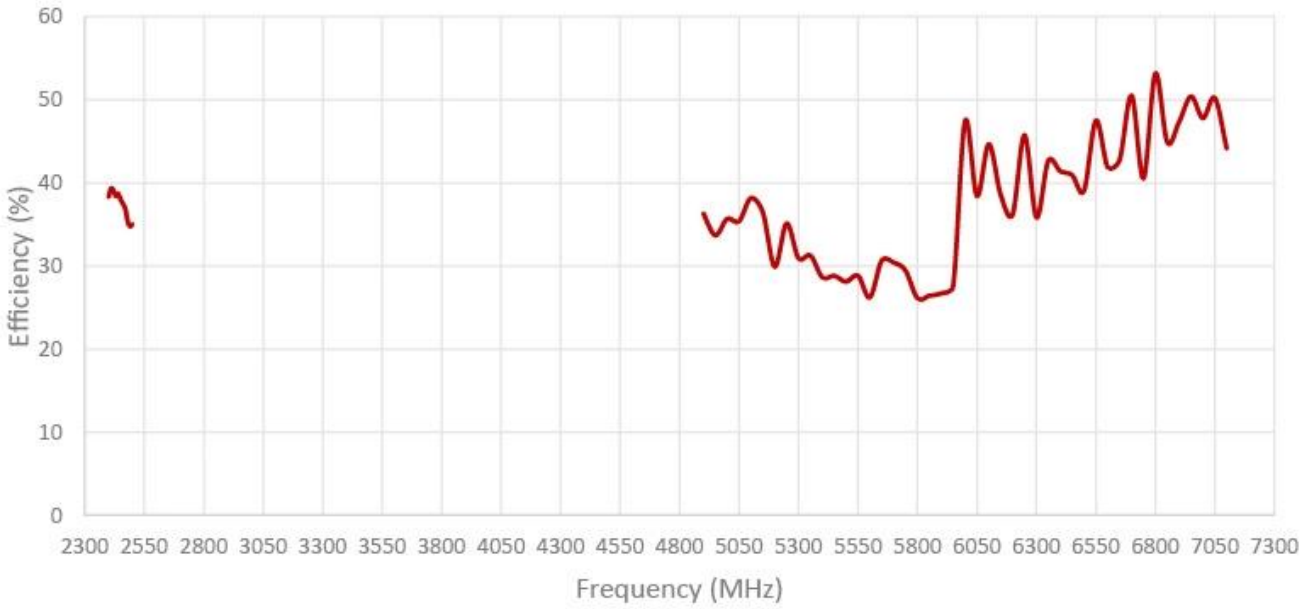

6
5
4
3
2
1
0
Peak Gain (dBi)
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

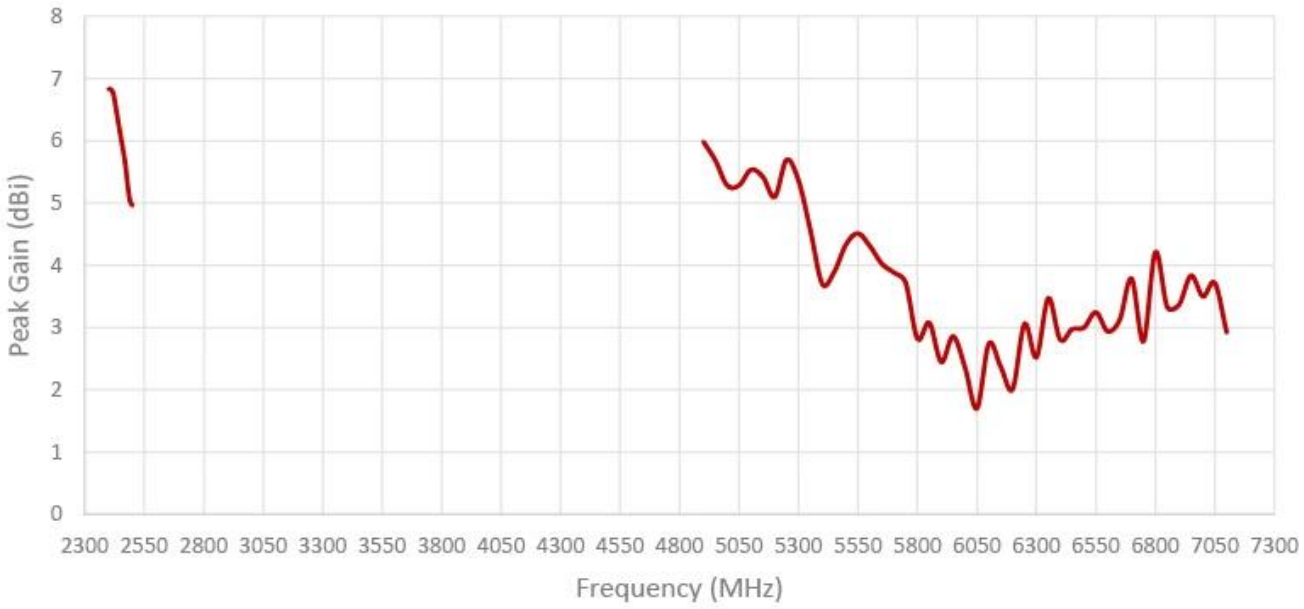


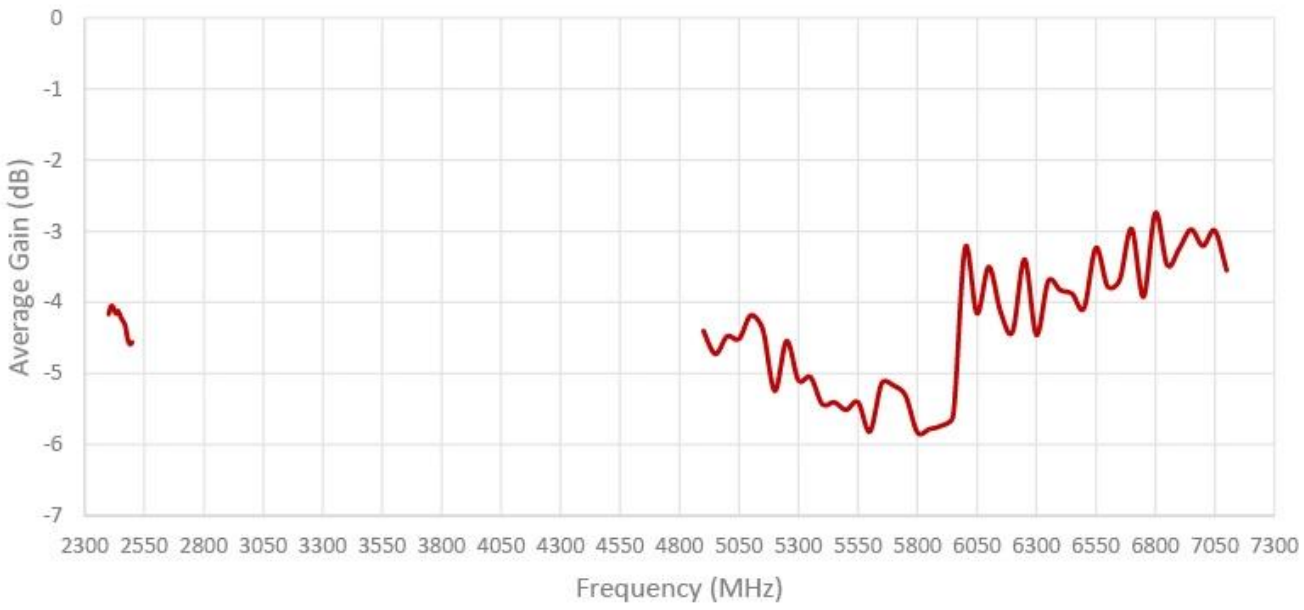
Câble 6 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee



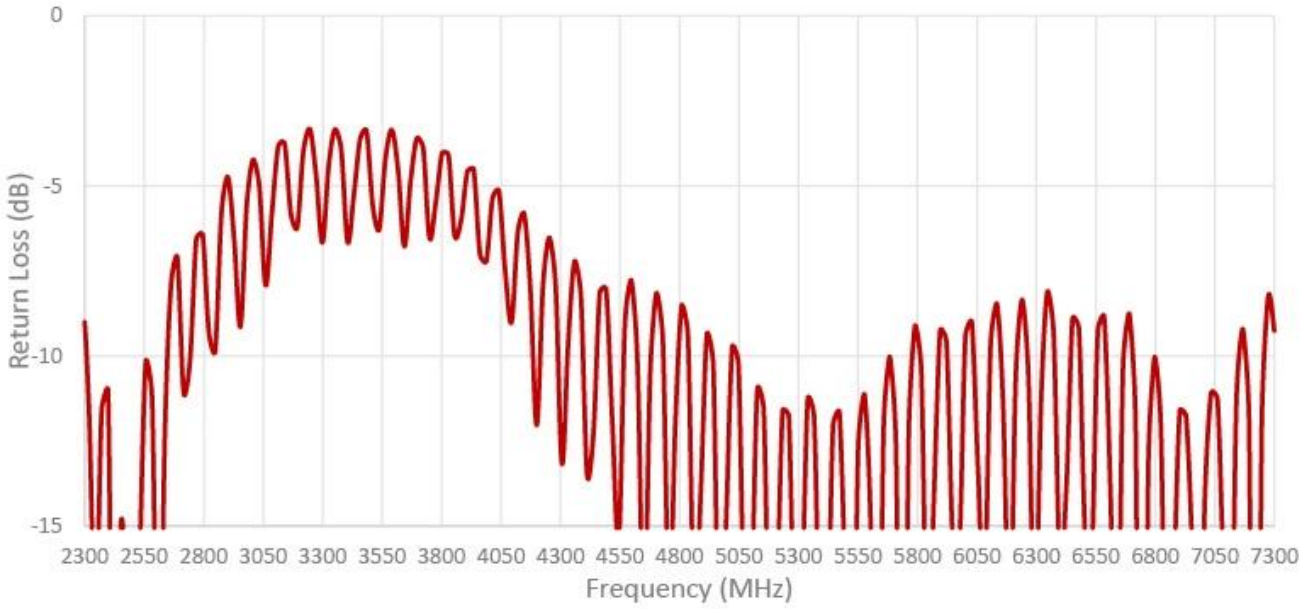

8
6
4
2
0
VSWR
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

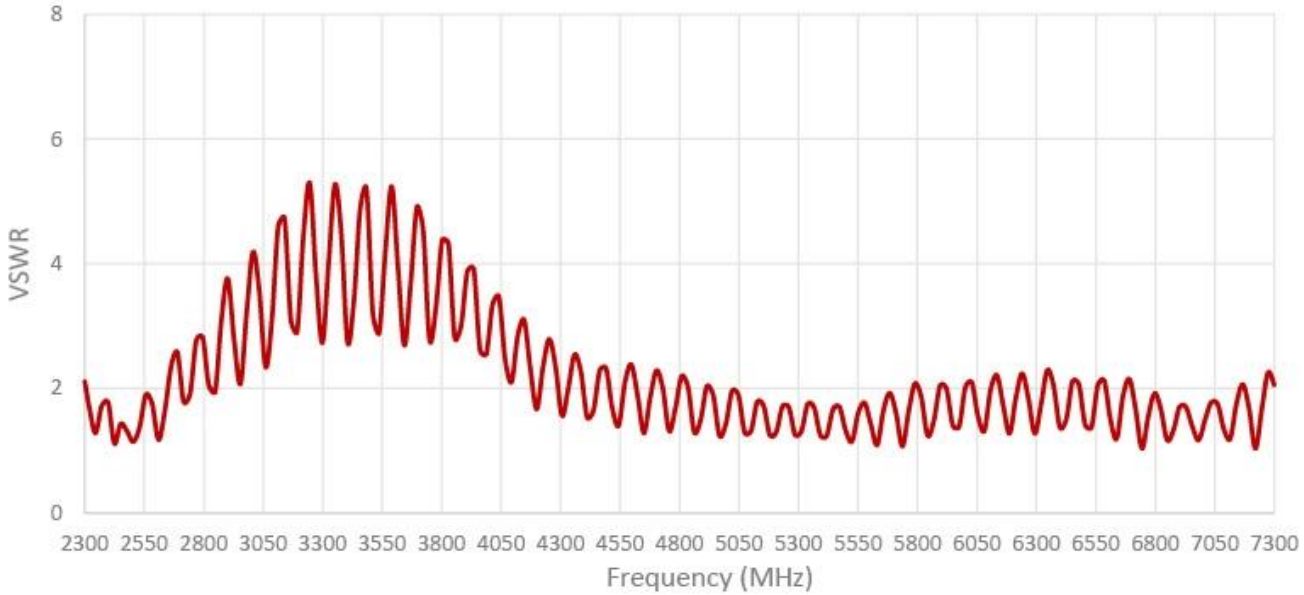

60
50
40
30
20
10
0
Efficiency (%)
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

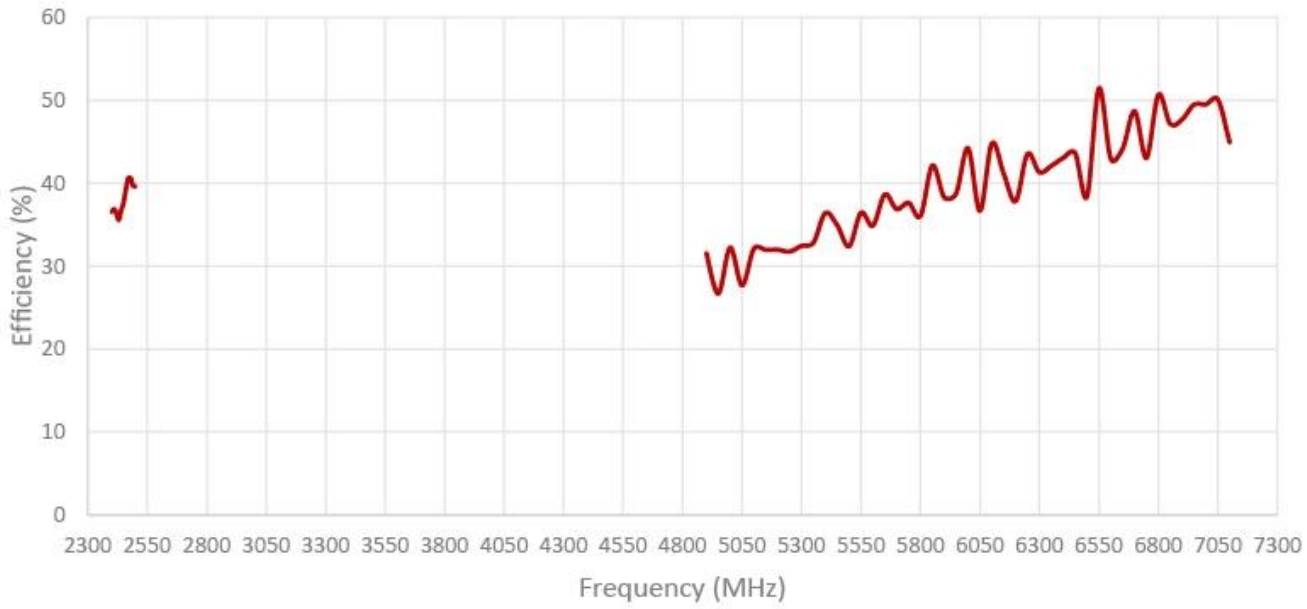

Peak Gain (dBi)
8
7
6
5
4
3
2
1
0
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

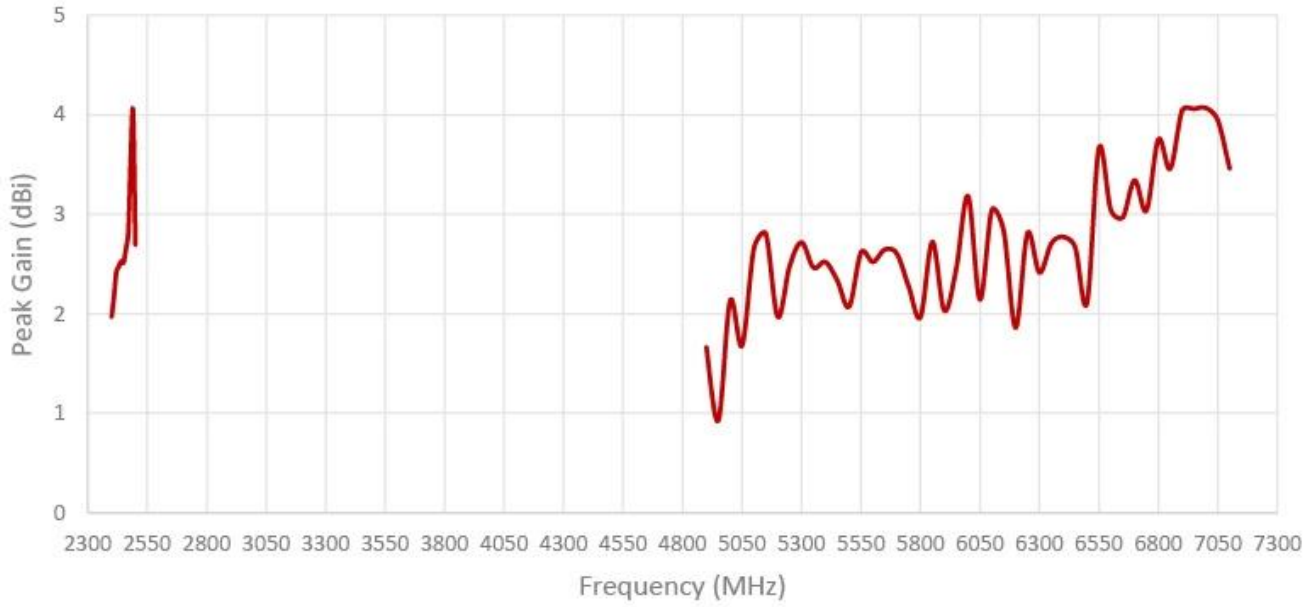

Average Gain (dB)
0
-1
-2
-3
-4
-5
-6
-7
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

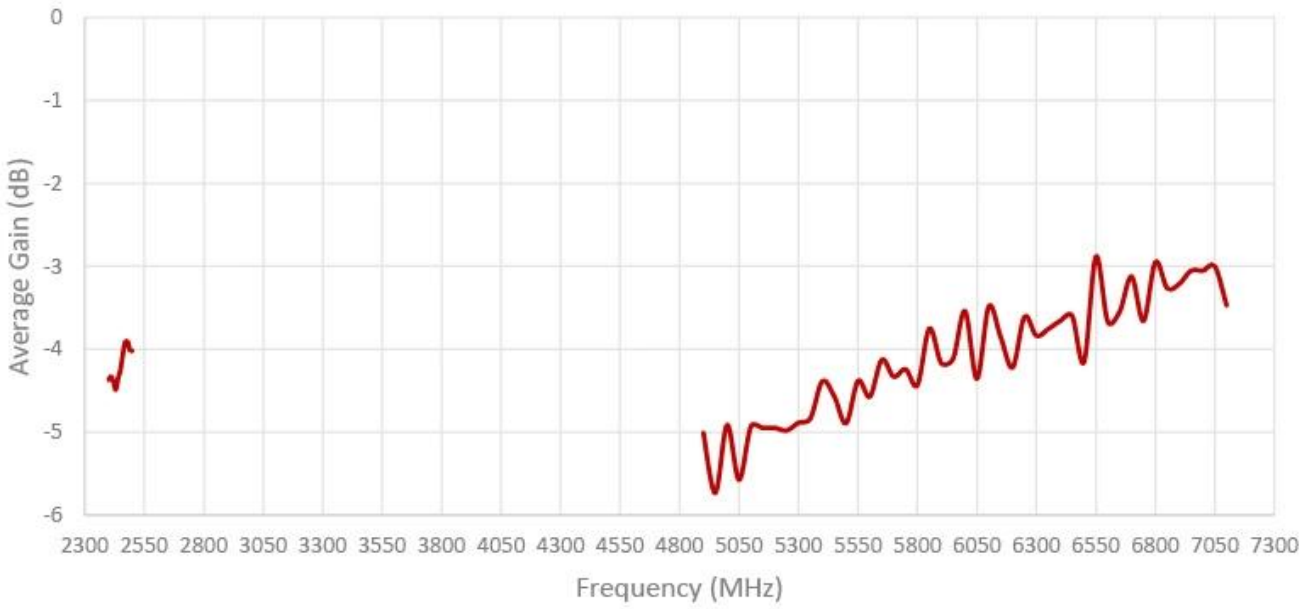
Câble 7 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee



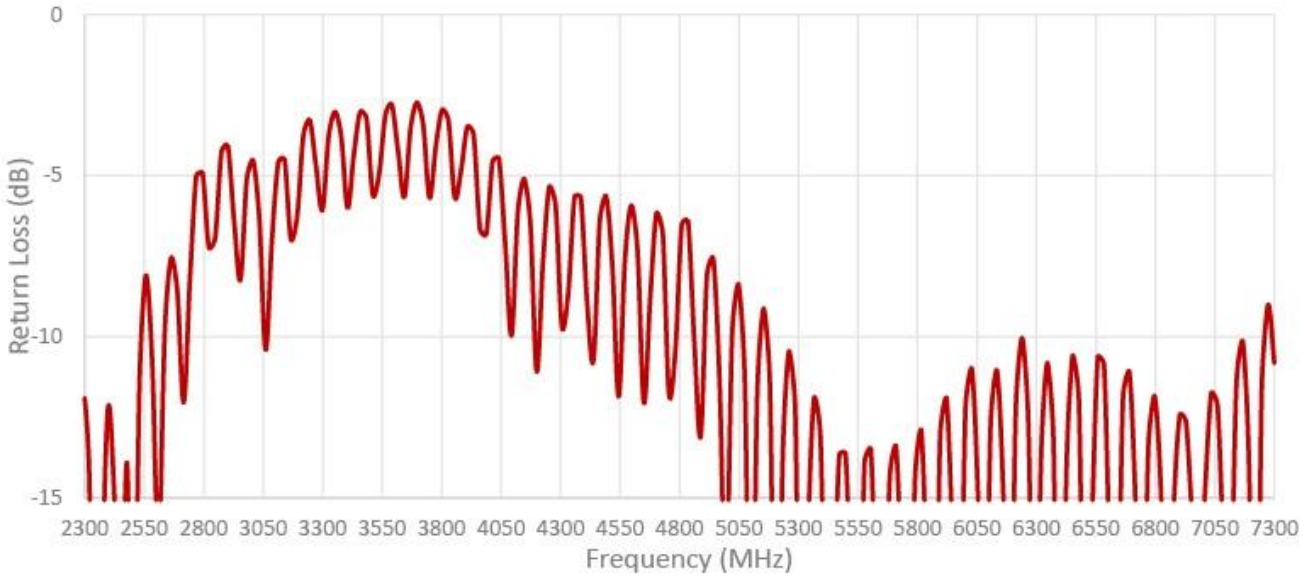


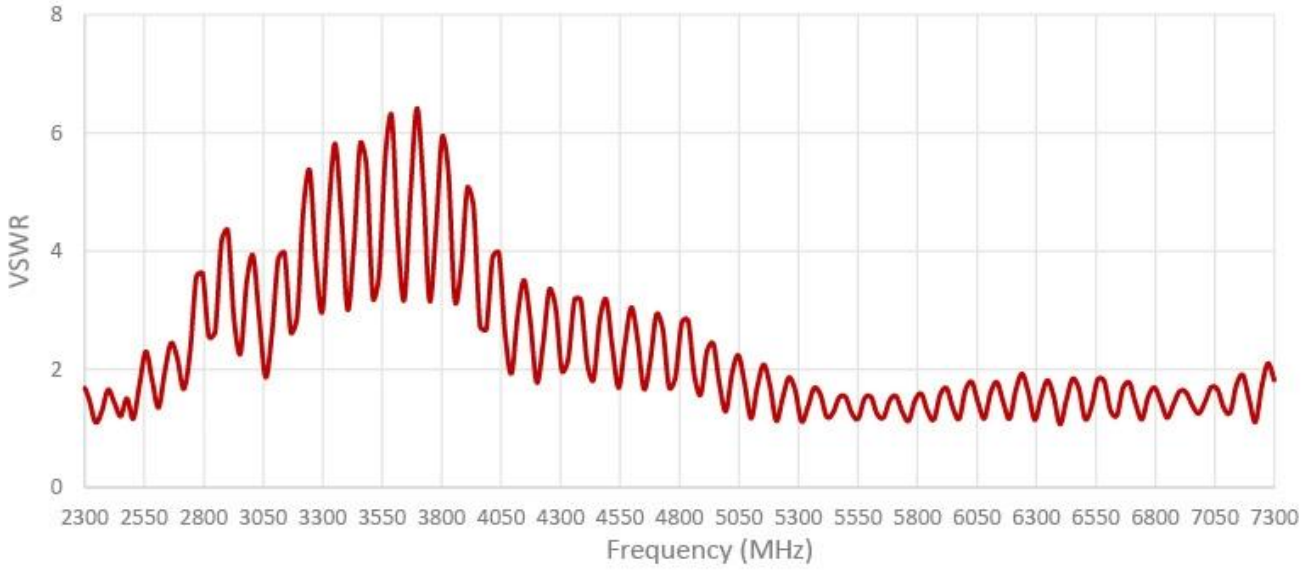

60
50
40
30
20
10
0
Efficiency (%)
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

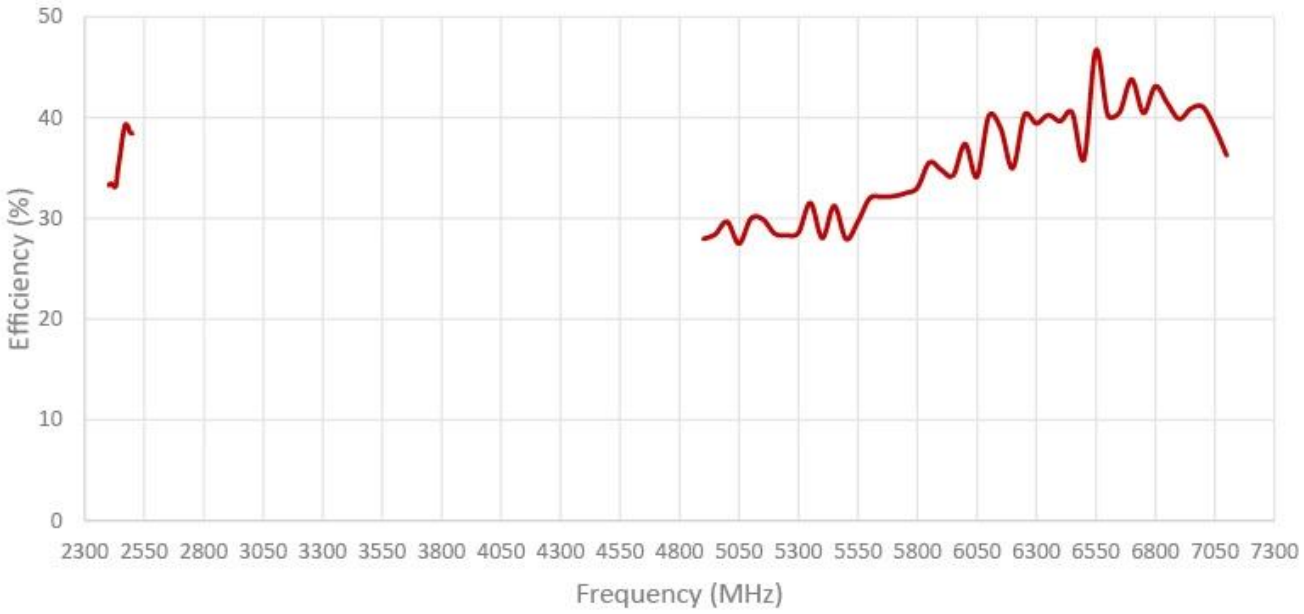

5
4
3
2
1
0
Peak Gain (dBi)
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

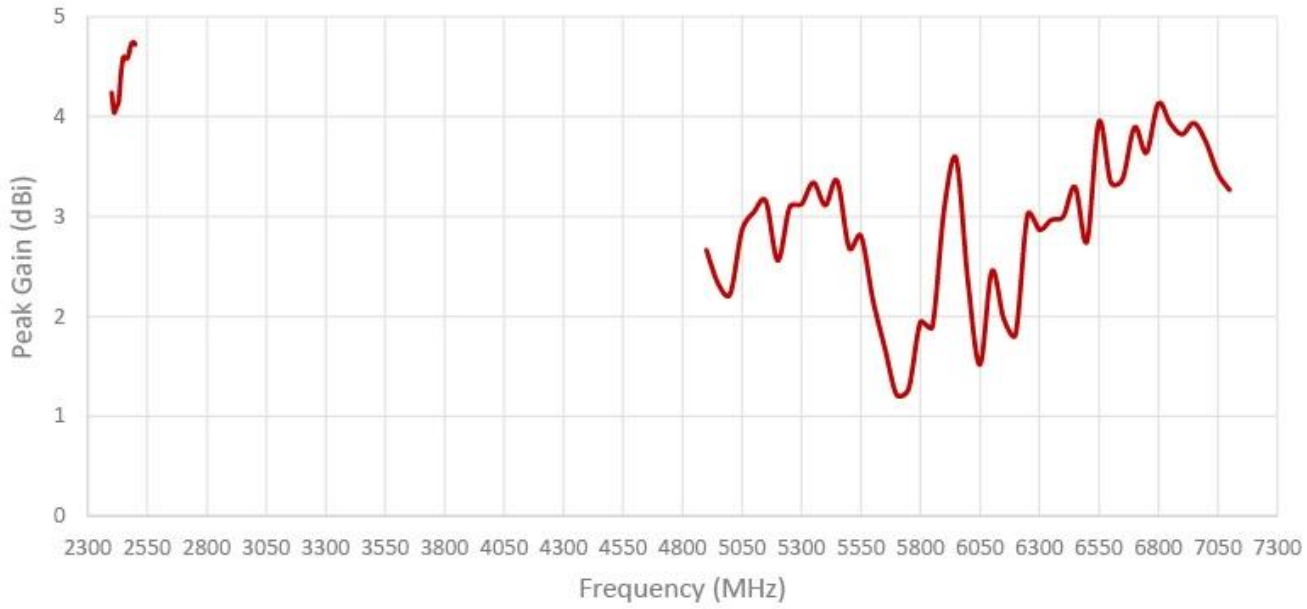


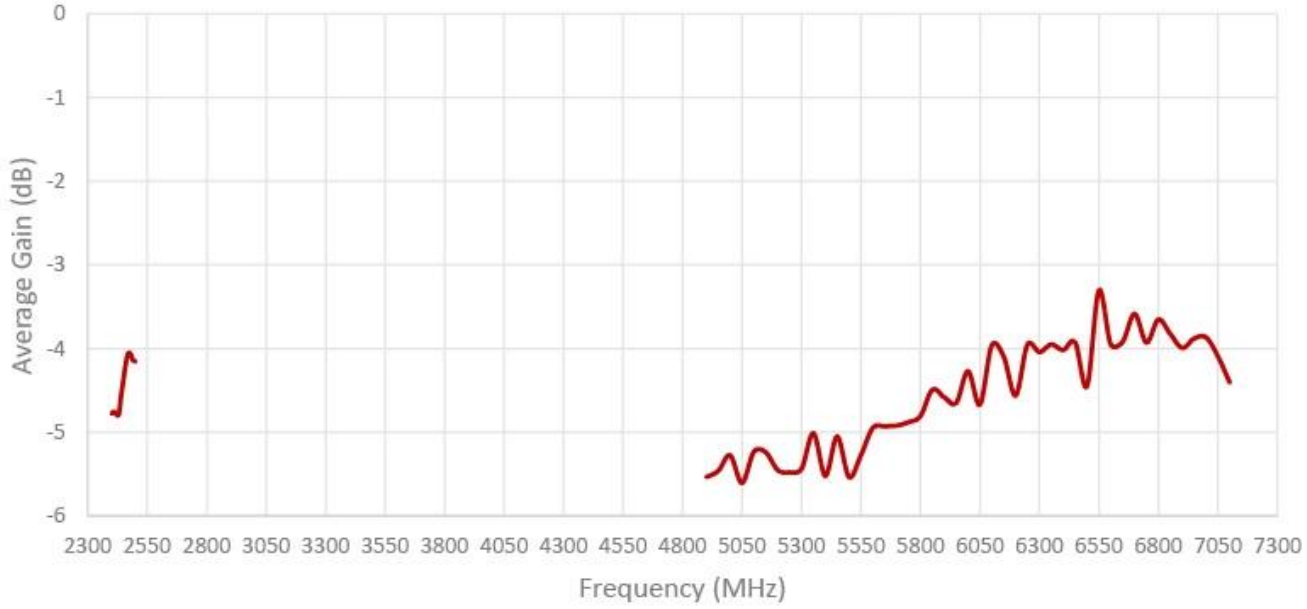
Câble 8 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee



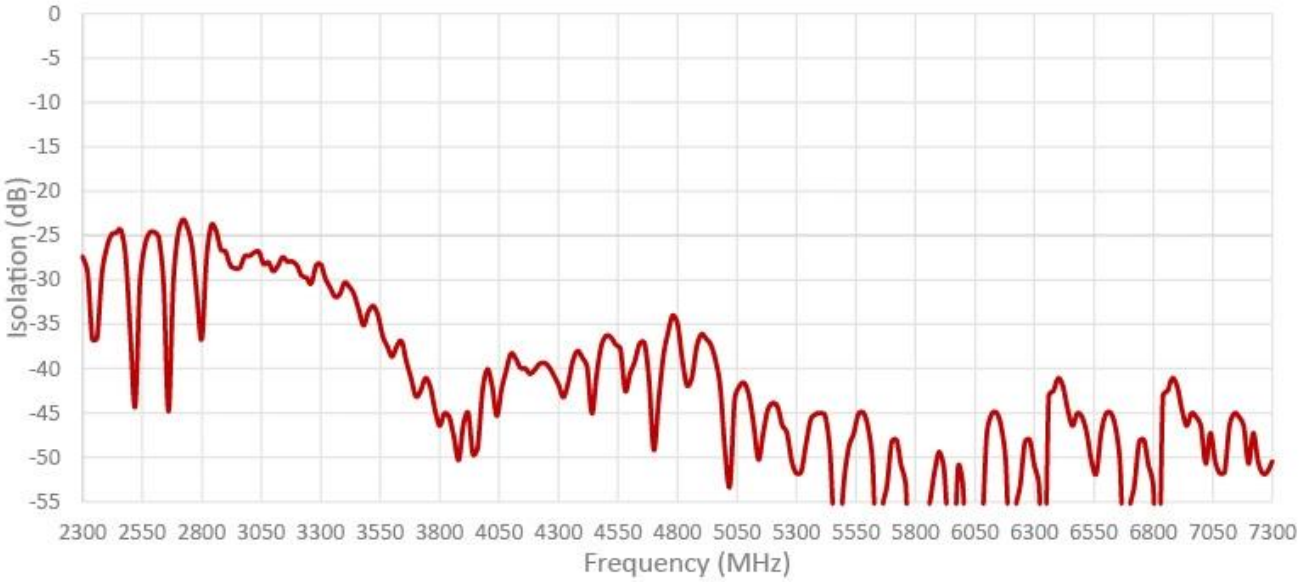

VSWR
0
2
4
6
8
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)


Efficiency (%)
0
10
20
30
40
50
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

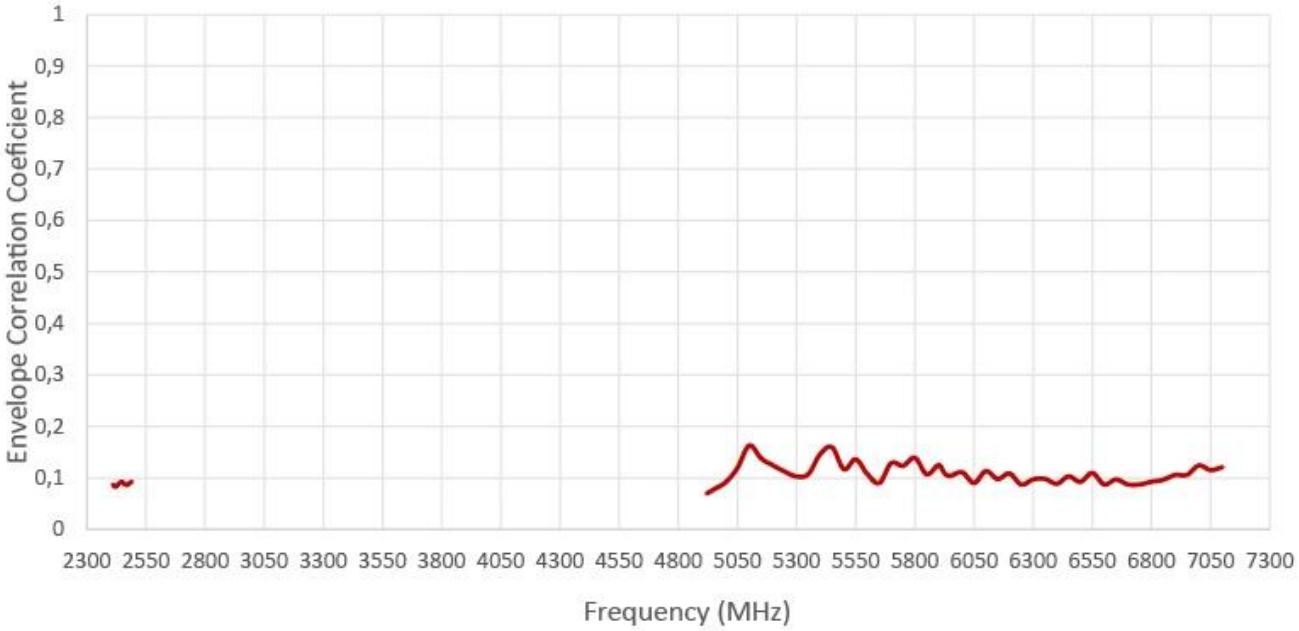

Peak Gain (dBi)
5
4
3
2
1
0
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)


Average Gain (dB)
0
-1
-2
-3
-4
-5
-6
2300 2550 2800 3050 3300 3550 3800 4050 4300 4550 4800 5050 5300 5550 5800 6050 6300 6550 6800 7050 7300
Frequency (MHz)

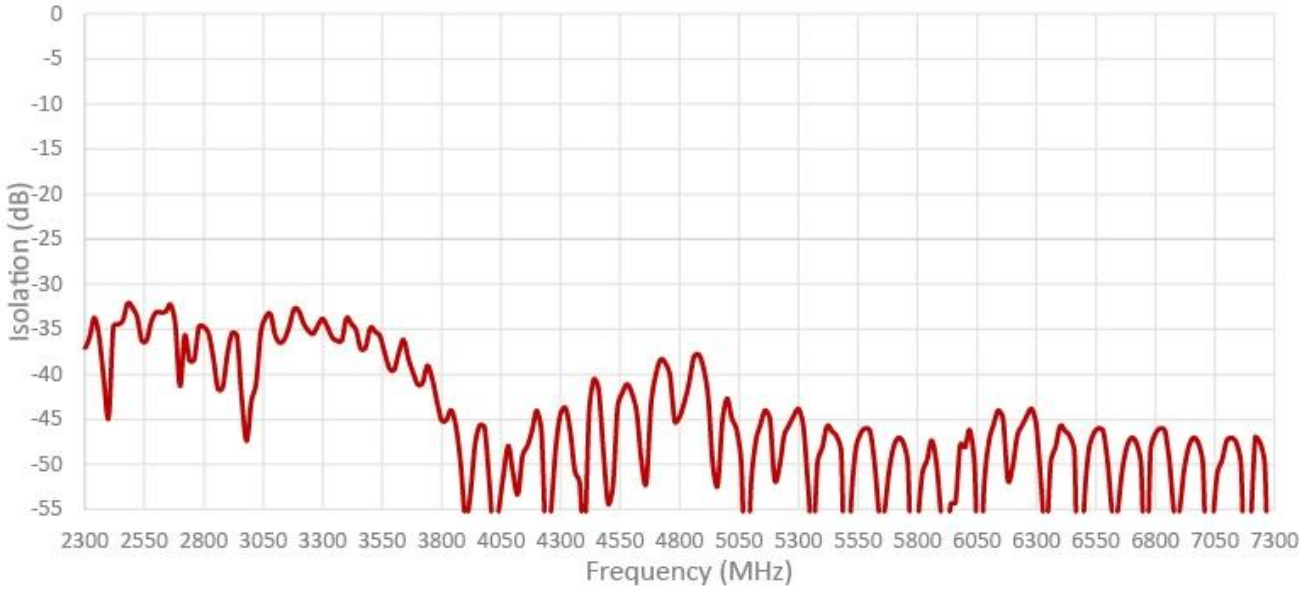
Isolation câble 5 et 6



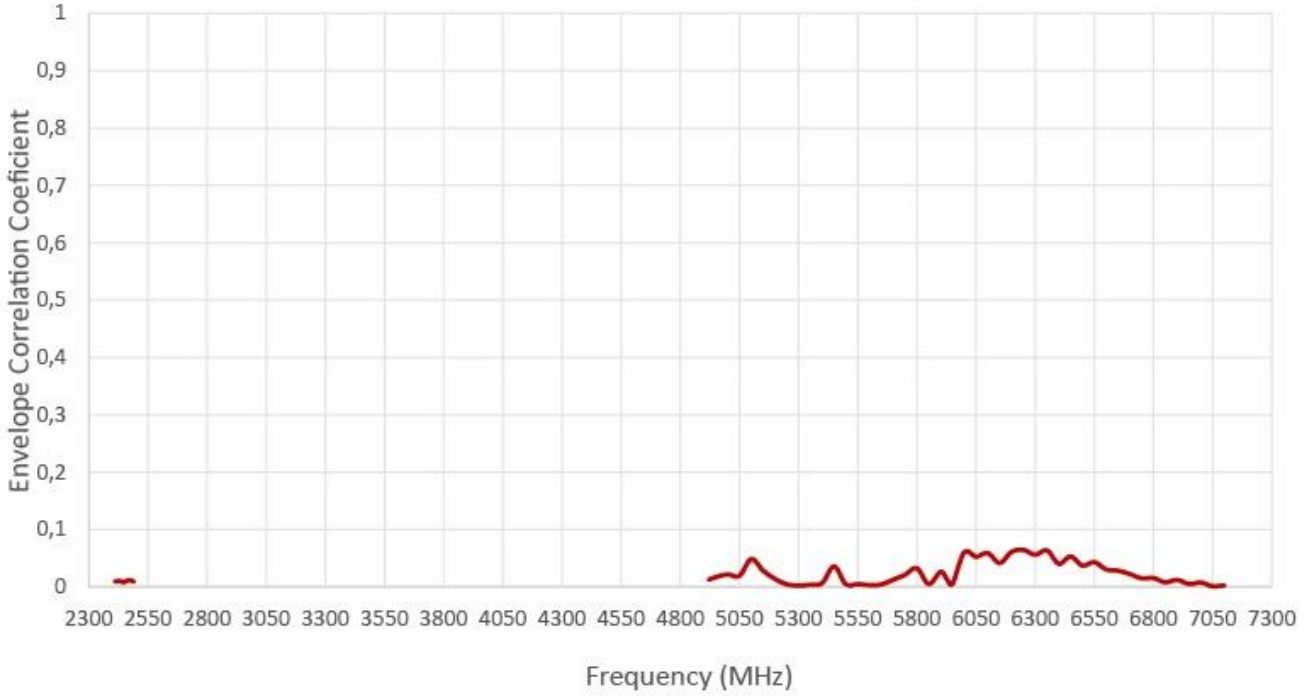
Coefficient de corrélation de l'enveloppe câble 5 et 6



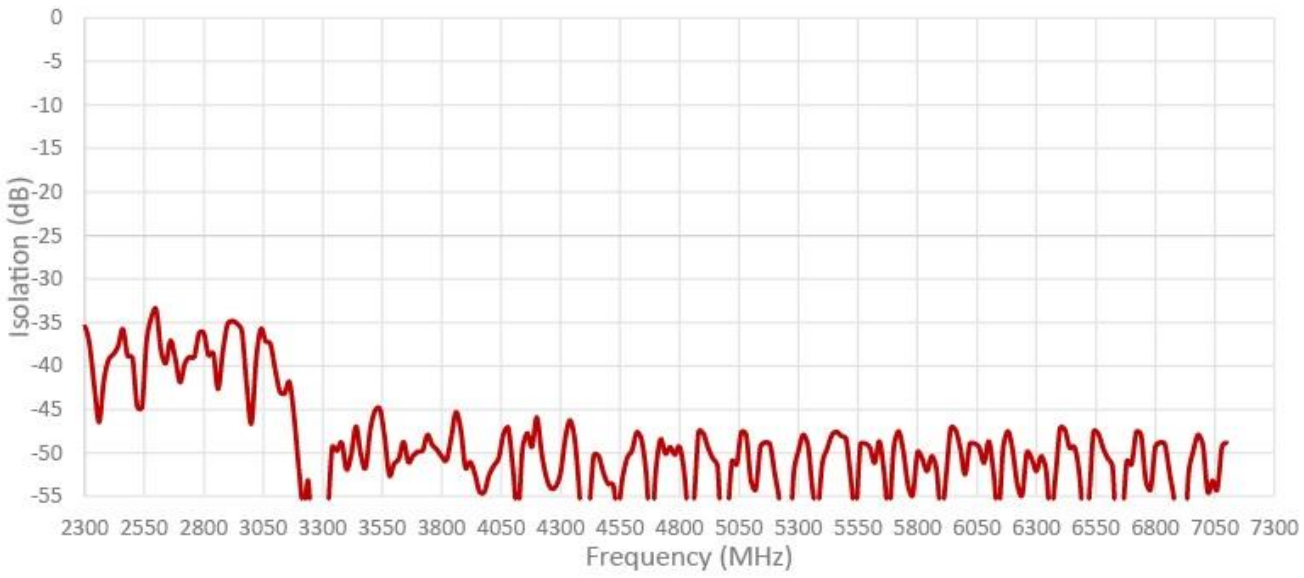
Isolation câble 5 et 7



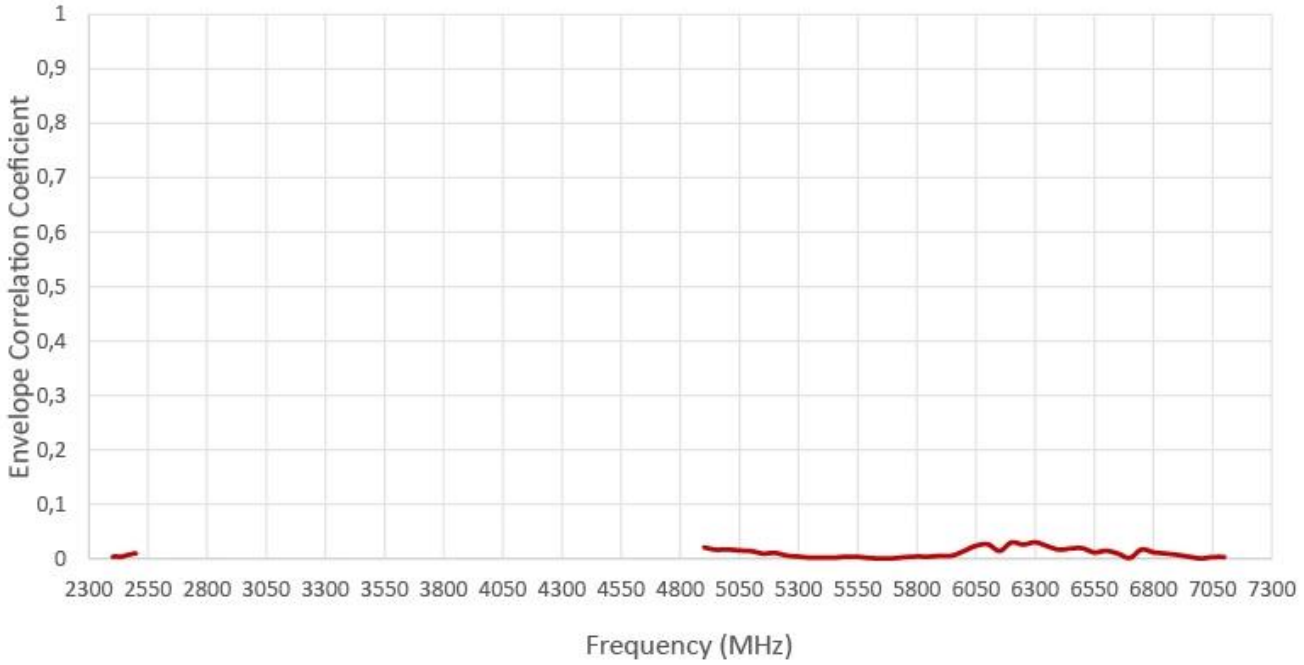
Coefficient de corrélation de l'enveloppe câble 5 et 7



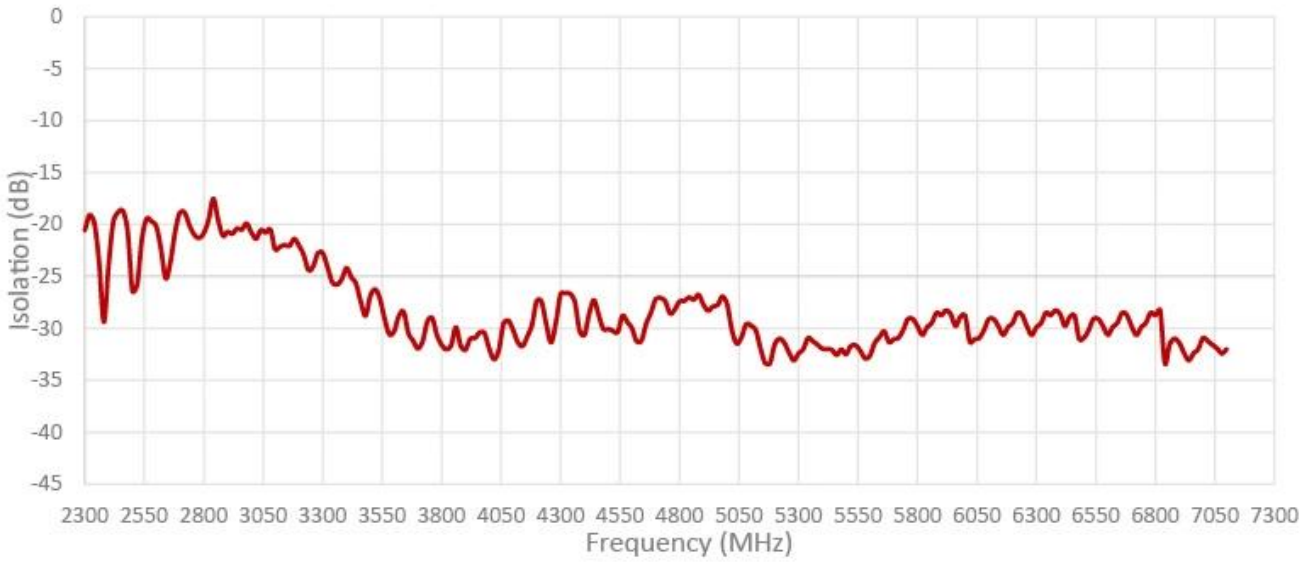
Isolation câble 5 et 8



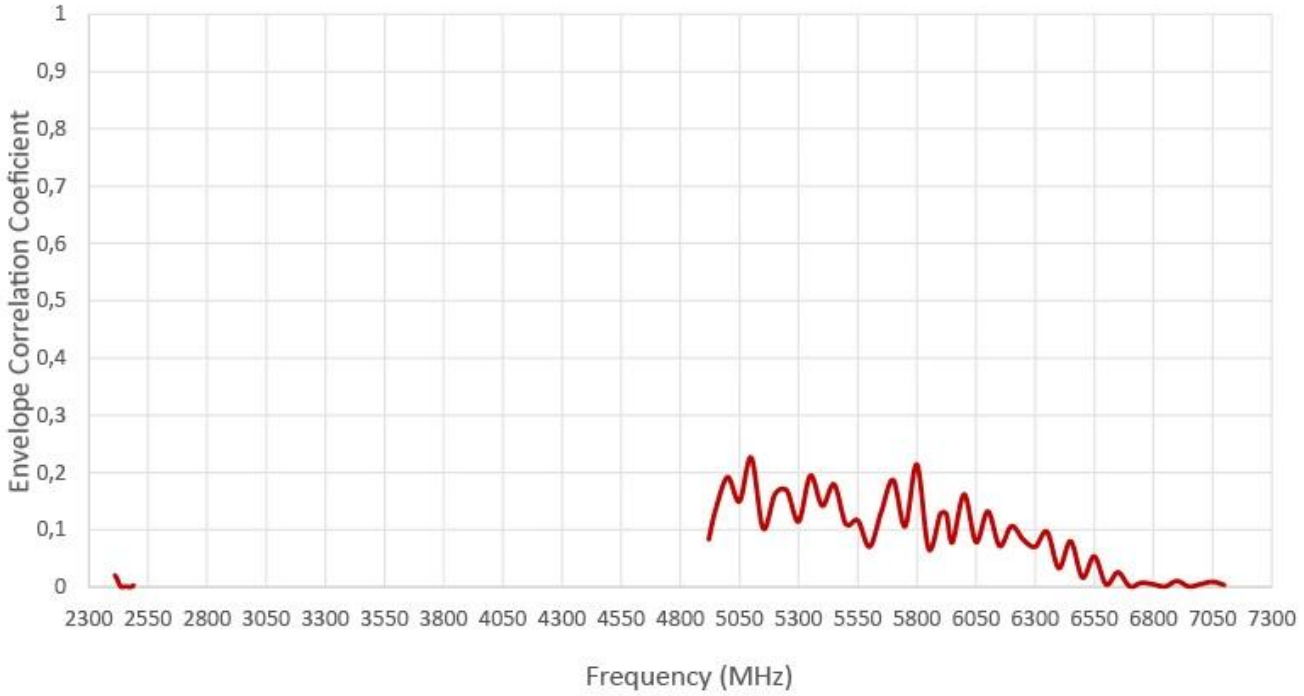
Coefficient de corrélation de l'enveloppe câble 5 et 8

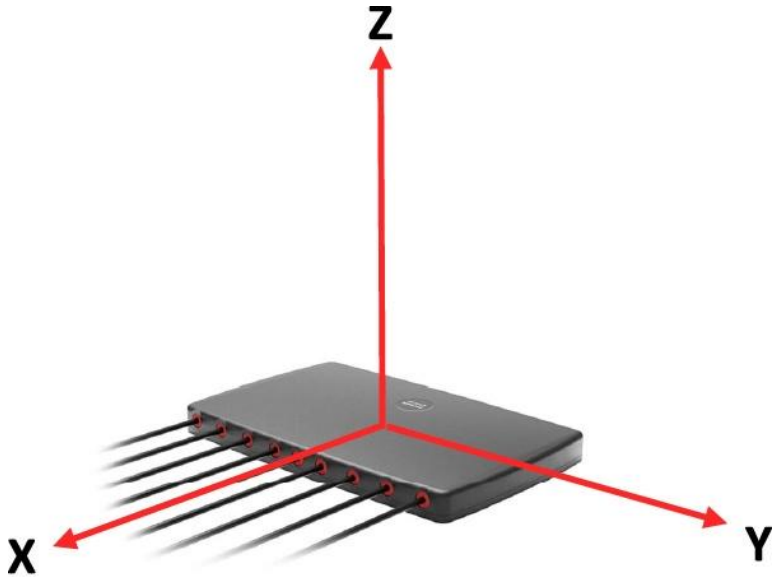


Isolation câble 6 et 7



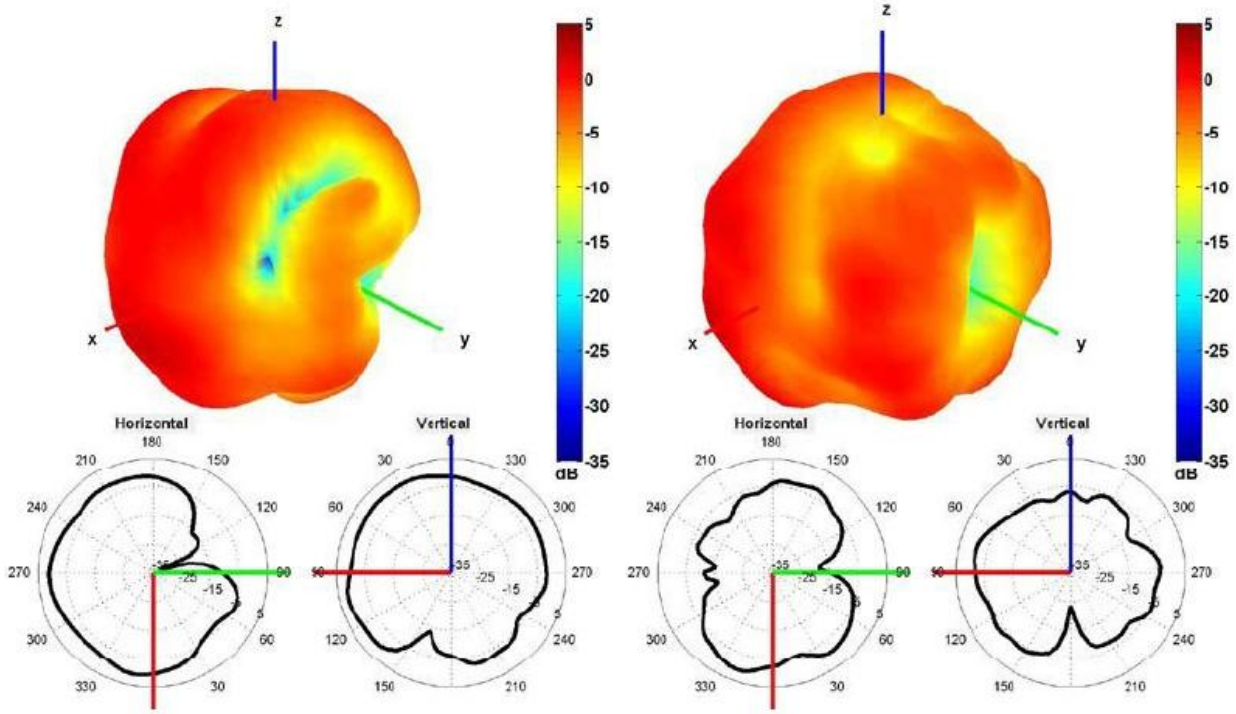
Coefficient de corrélation de l'enveloppe câble 6 et 7



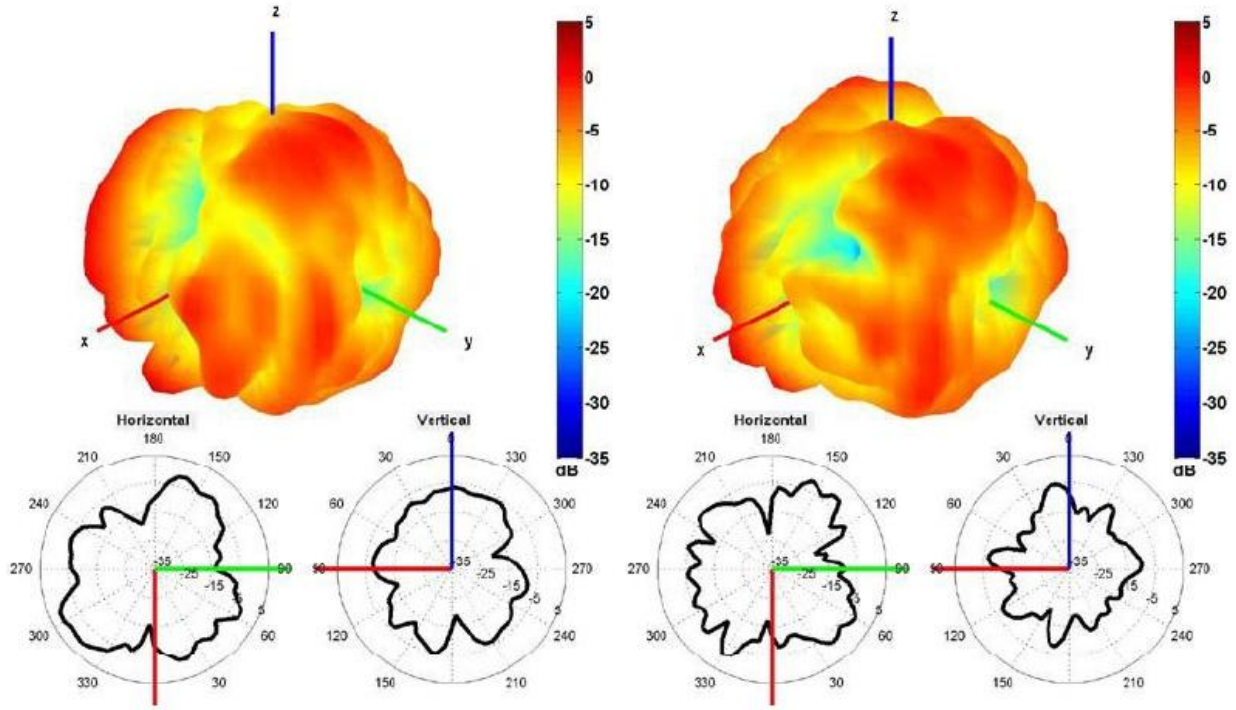


Radiation pattern reference

Câble 1 : 2G/3G/4G/5G - IoT/LPWAN

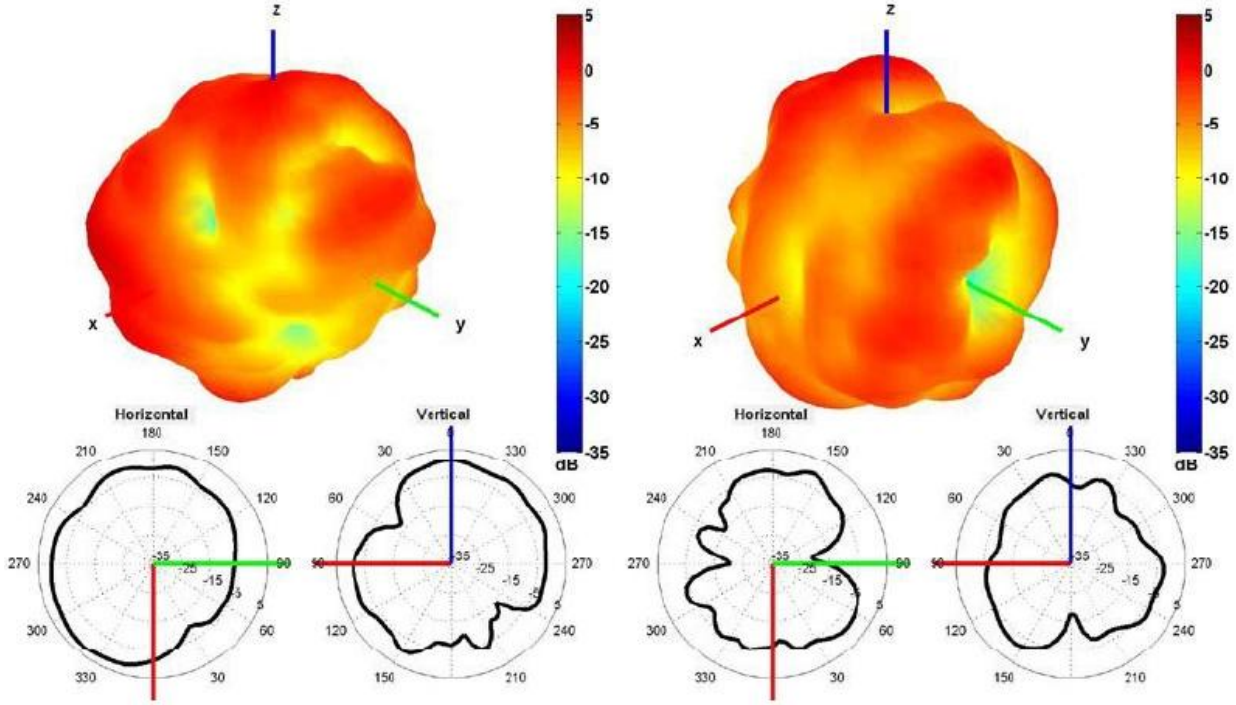


750 and 2500 MHz Radiation pattern

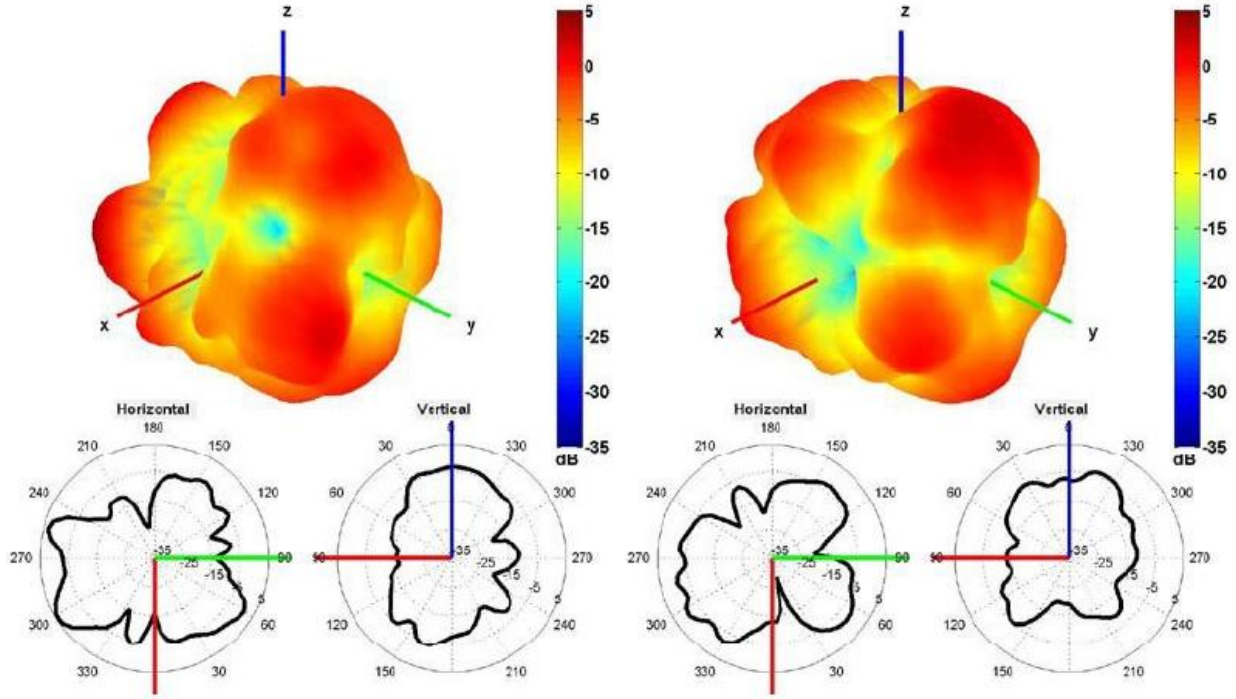


4500 and 5500 MHz Radiation pattern

Câble 2 : 2G/3G/4G/5G - IoT/LPWAN

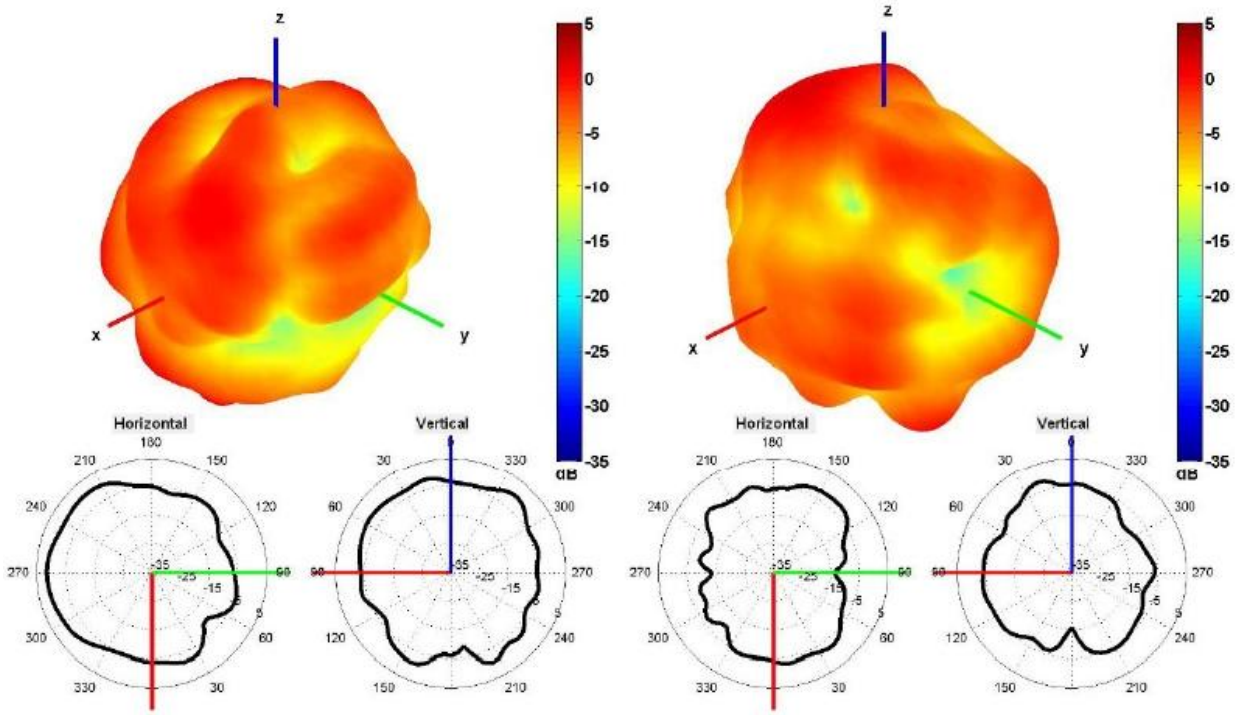


750 and 2500 MHz Radiation pattern

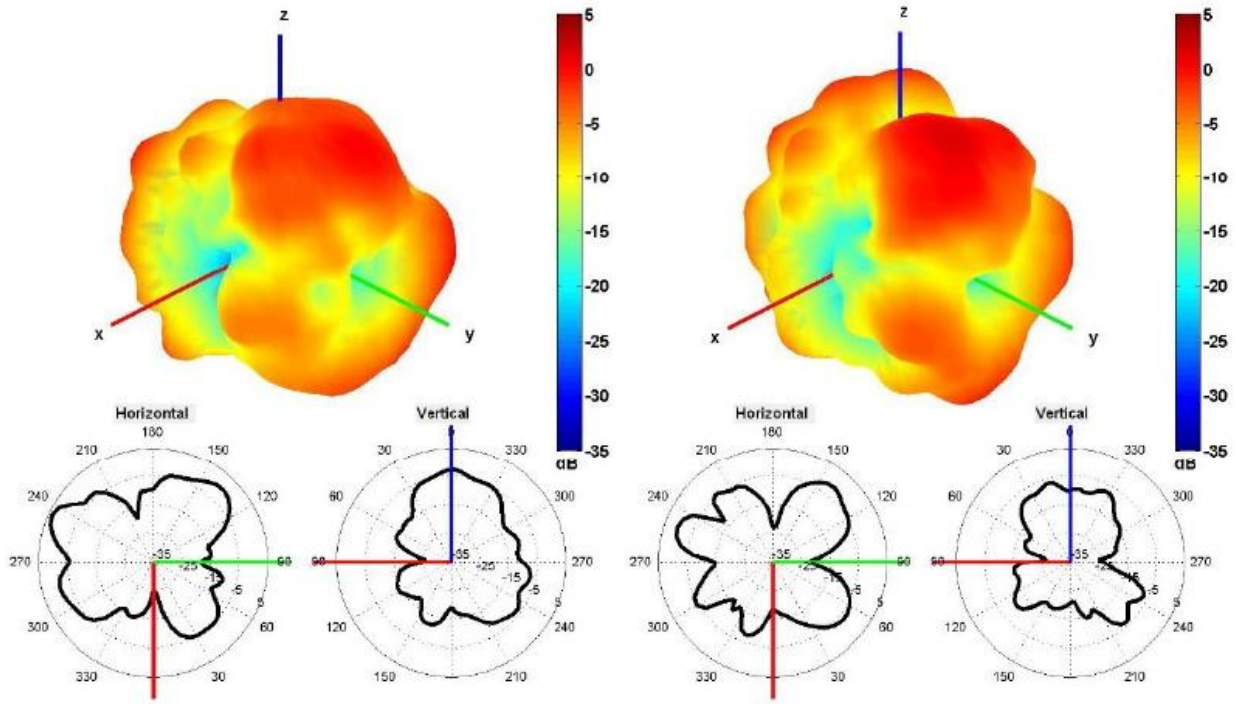


4500 and 5500 MHz Radiation pattern

Câble 3 : 2G/3G/4G/5G - IoT/LPWAN

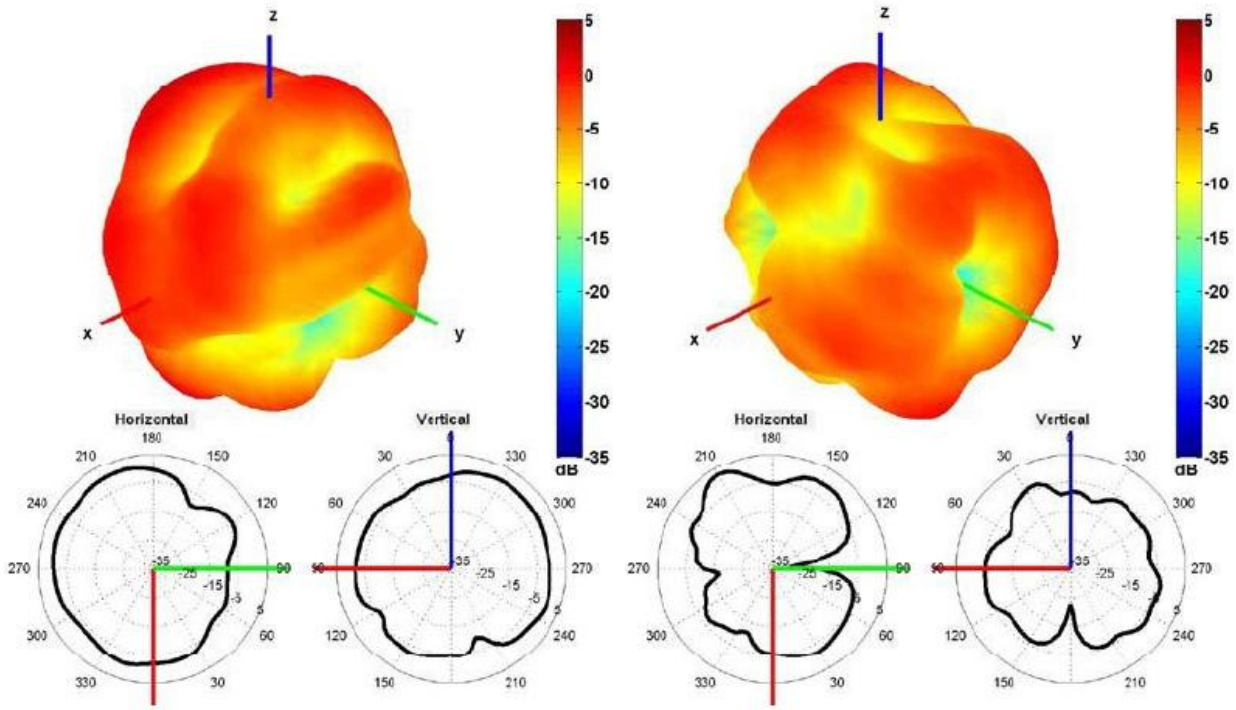


750 and 2500 MHz Radiation pattern

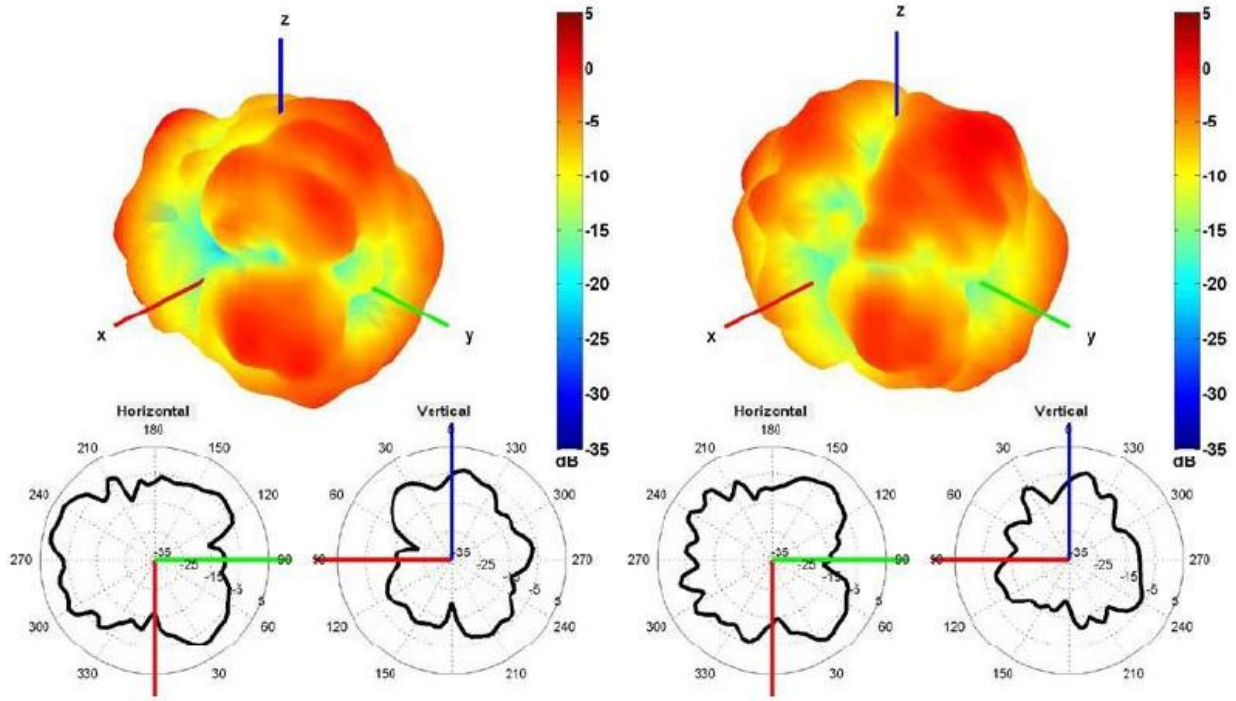


4500 and 5500 MHz Radiation pattern

Câble 4 : 2G/3G/4G/5G - IoT/LPWAN

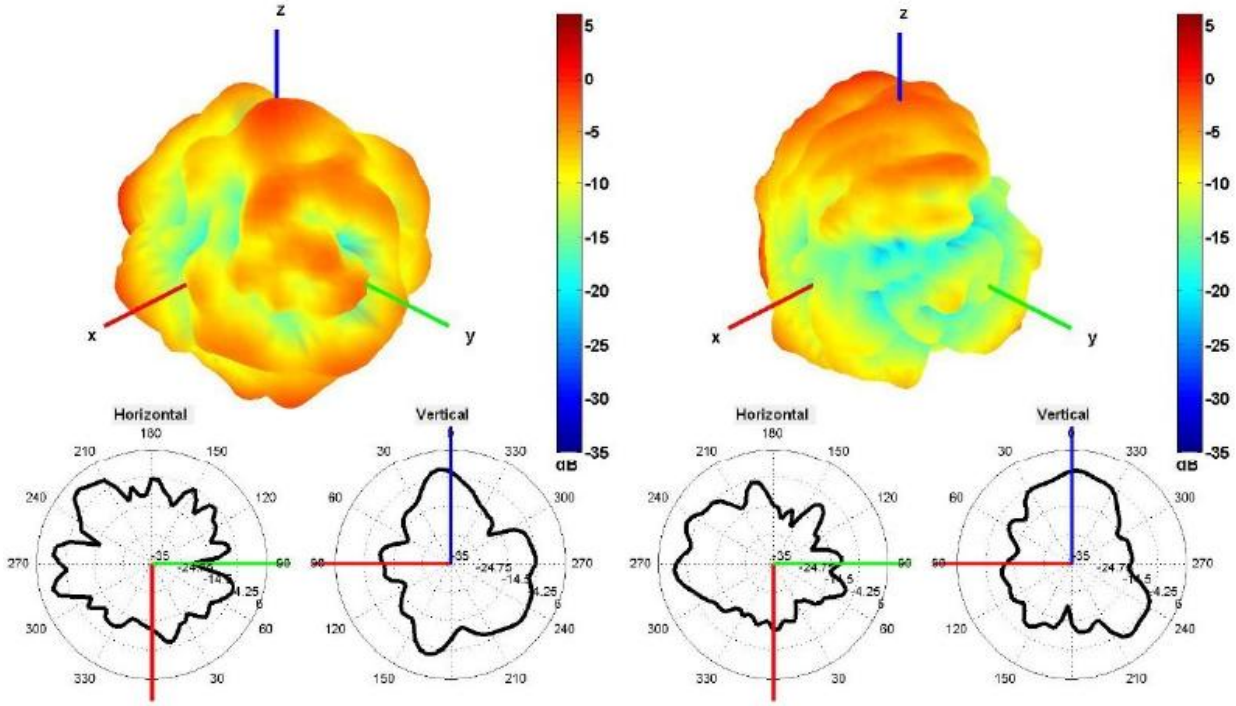


750 and 2500 MHz Radiation pattern

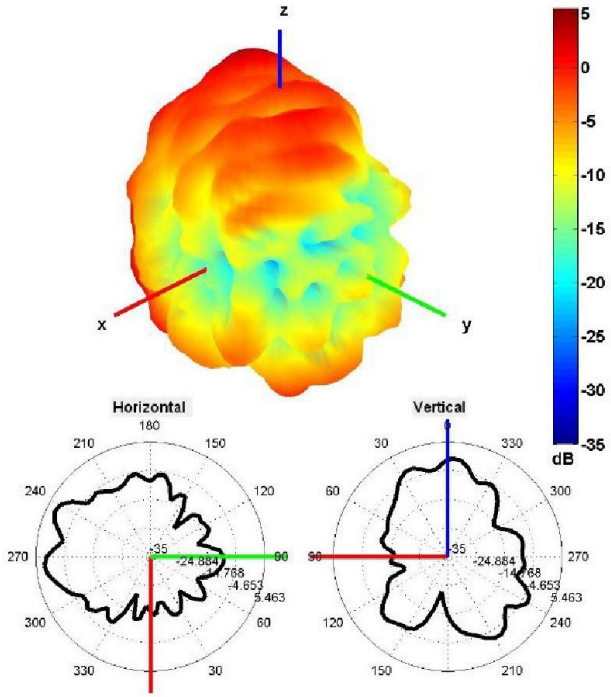


4500 and 5500 MHz Radiation pattern

Câble 5 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

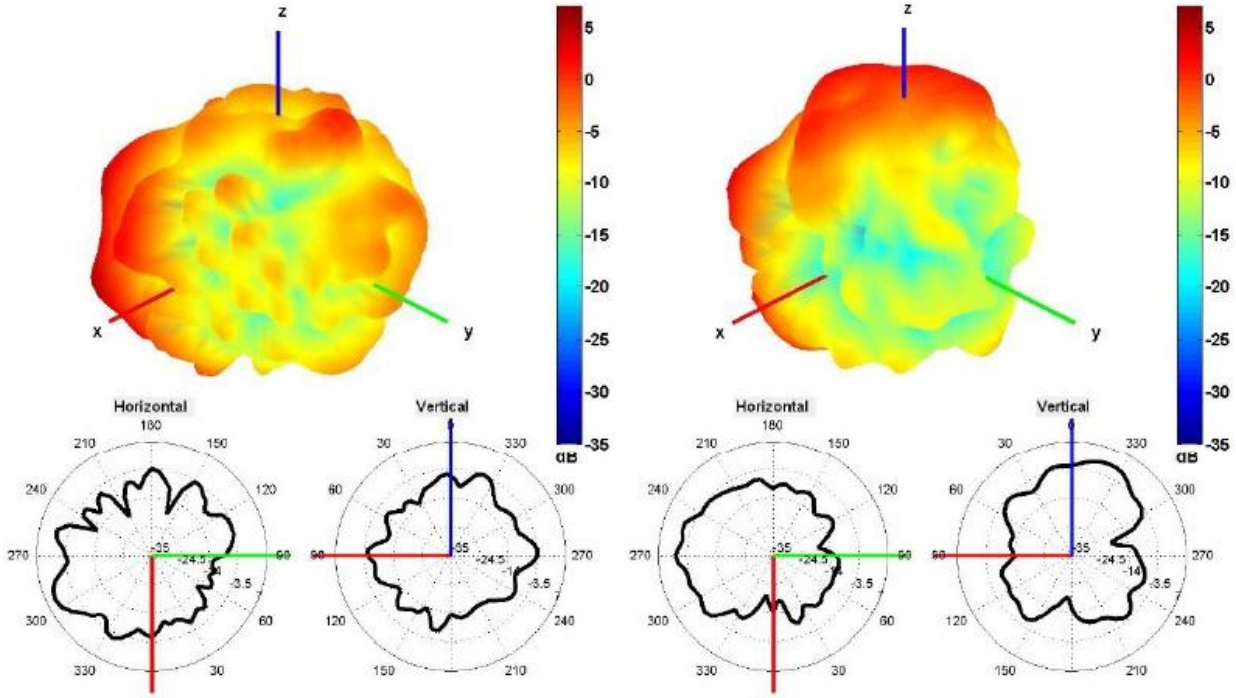


2450 and 5500 MHz Radiation pattern

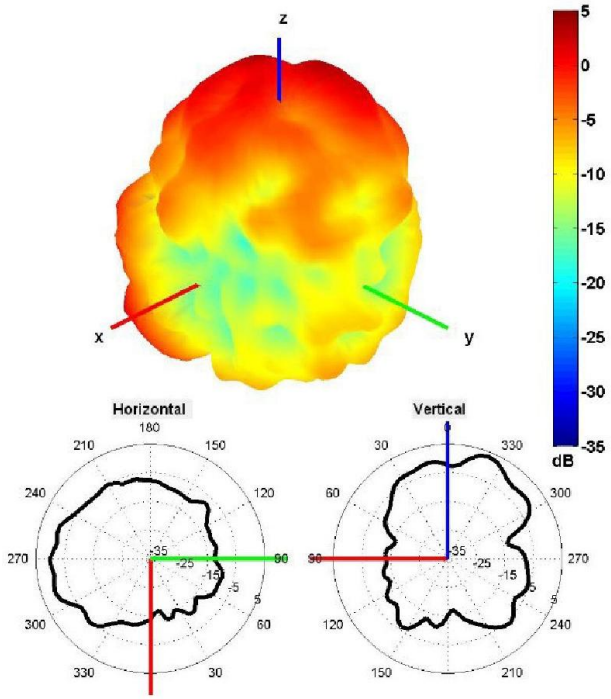


6500 MHz Radiation pattern

Câble 6 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

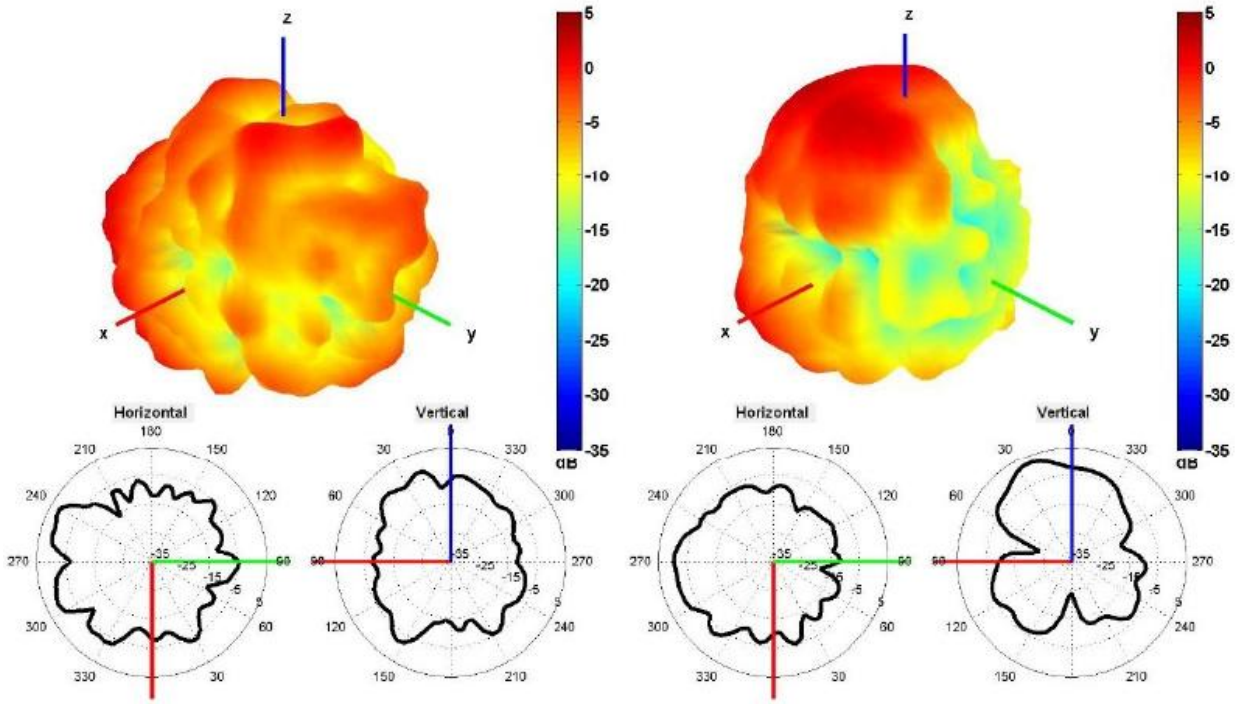


2450 and 5500 MHz Radiation pattern

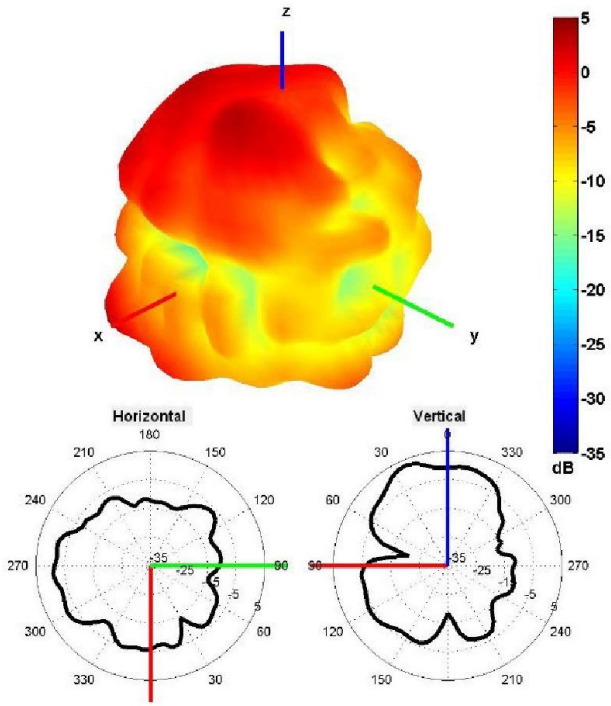


6500 MHz Radiation pattern

Câble 7 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

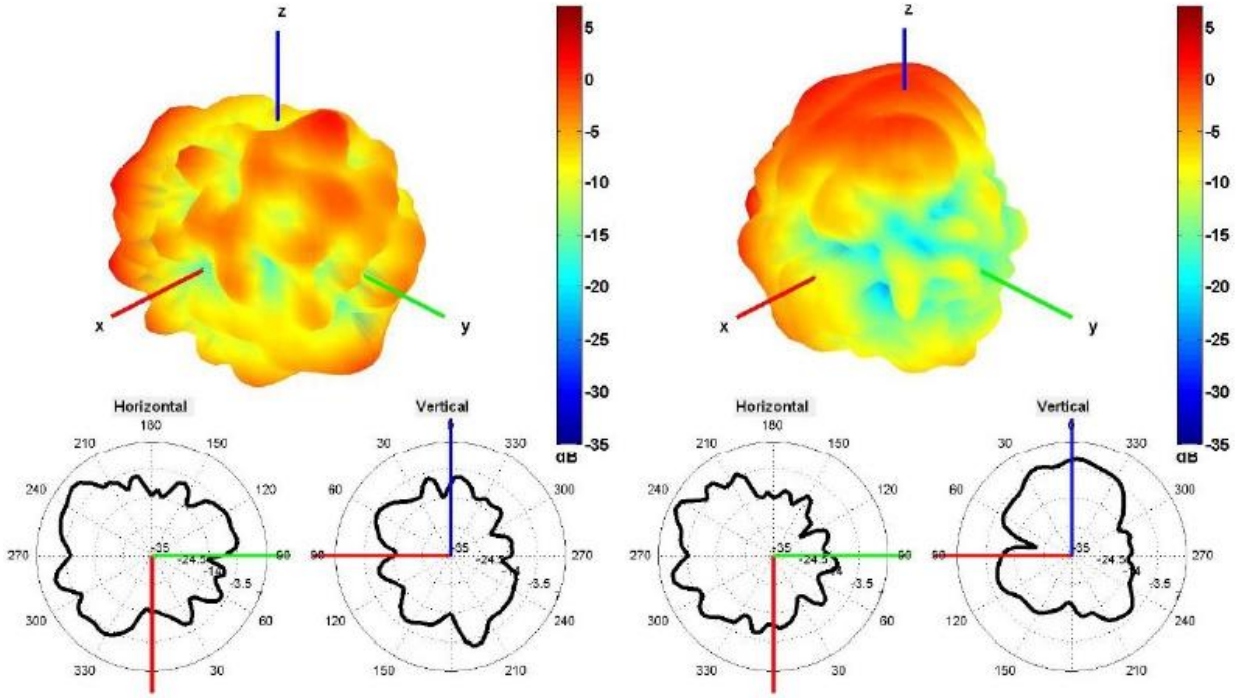


2450 and 5500 MHz Radiation pattern

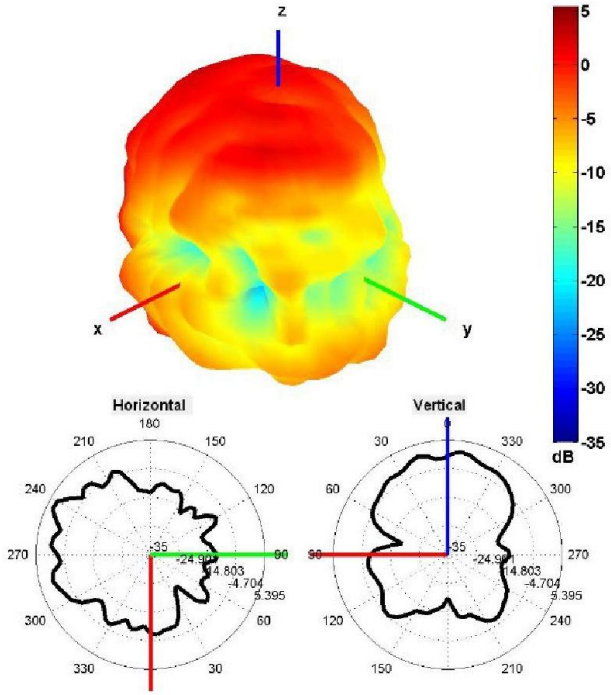


6500 MHz Radiation pattern

Câble 8 : ISM 2,4 / 5.0 / 6.0 GHz – WiFi, Bluetooth, ZigBee

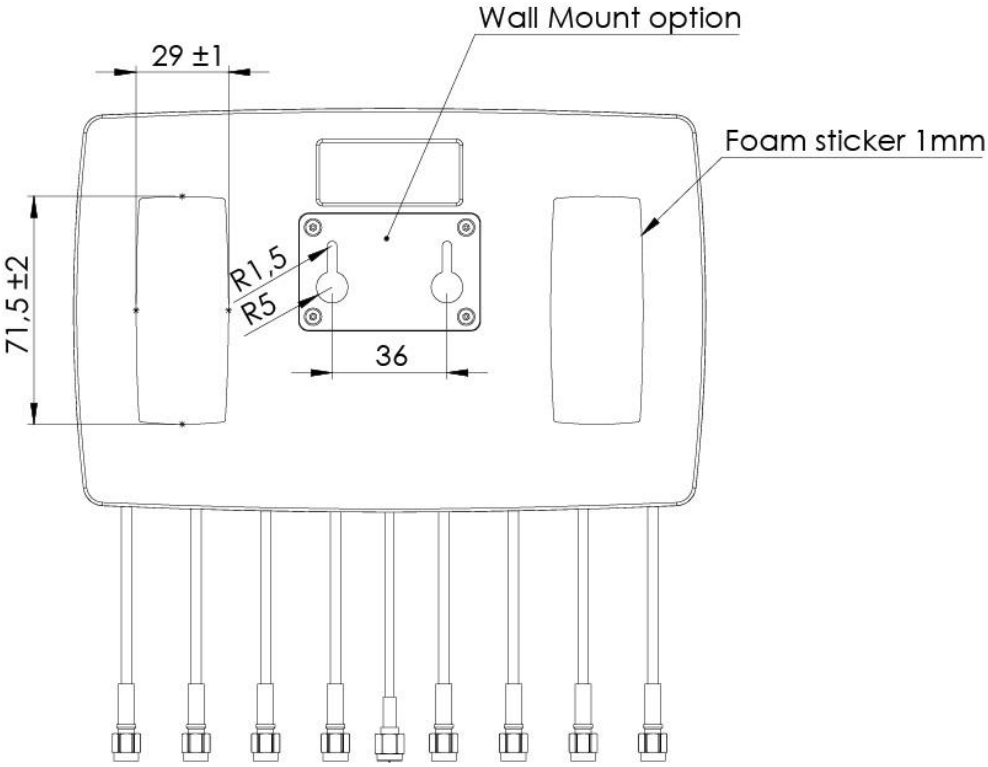


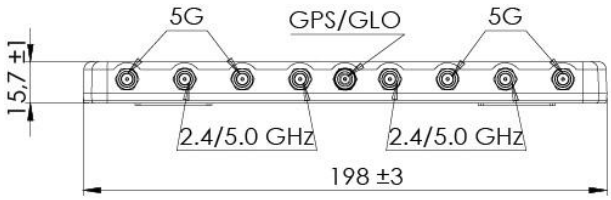
2450 and 5500 MHz Radiation pattern

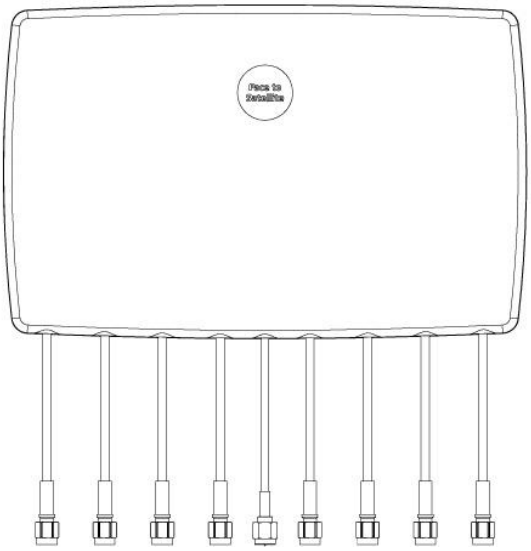


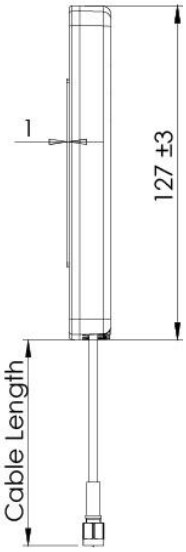
6500 MHz Radiation pattern

SCHÉMAS


Wall Mount option
29 ±1
Foam sticker 1mm
71,5 ±2
R1,5
R5
36


5G
GPS/GLO
5G
15,7 ±1
2.4/5.0 GHz
2.4/5.0 GHz
198 ±3




1
127 ±3
Cable Length