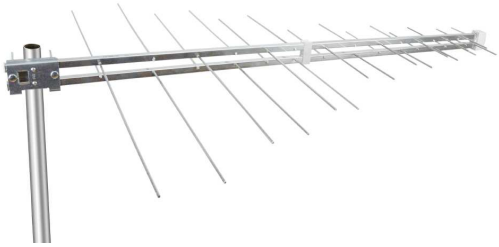
Log periodic aerials

LP LTE SERIE



Log-periodic pre-assembled aerials characterized by: extremely easy connection due to the **connector being located near the mast clamp.**

High level design of the **dipole** connection guarantees a **highly reliable RF contact**

Due to the **specific mast clamp** these aerials can be assembled in **vertical** or **horizontal** polarisation without additional accessories

They are characterized by excellent mechanical clamp resistance of the boom elements, excellent mechanical resistance at the rotation around the mast and good electrical performances

F connector is protected by a cap with bayonet clamp

These aerials have been redesigned in order to obtain a **good LTE filtering against LTE interfering signals** reserved to mobile communications

Main Characteristics

- Log-periodic pre-assembled
- 75 Ohm impedance
- F connector (LP345HV LTE with clamp connector)
- Both vertical and horizontal polarisation without additional accessories

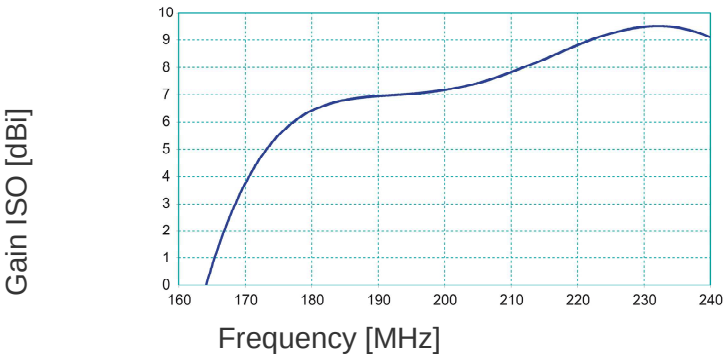
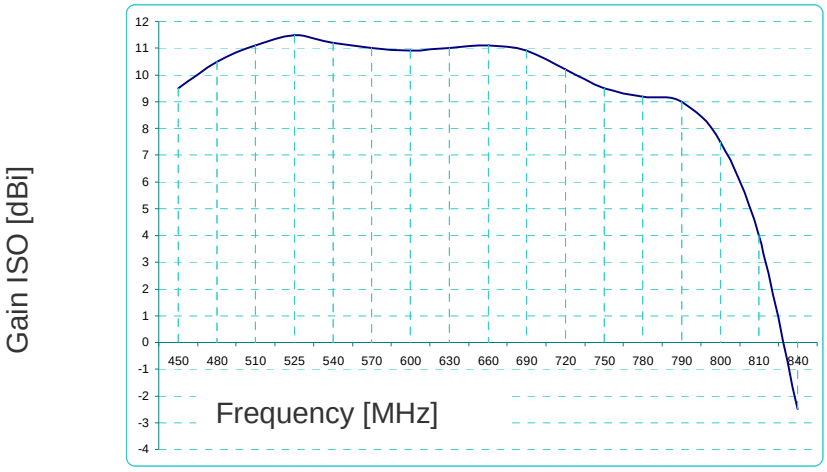
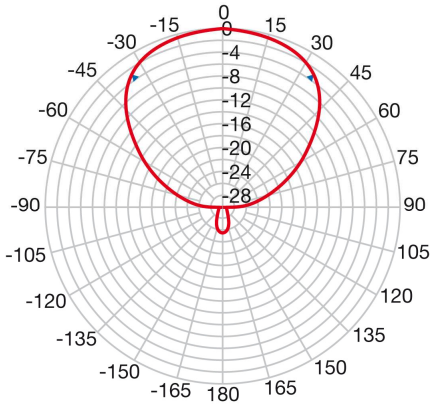
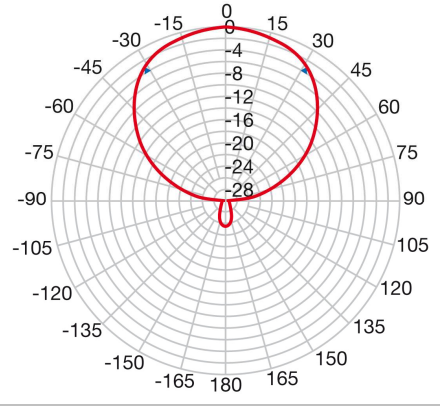
These aerials have been redesigned in order to obtain a **good LTE filtering against LTE interfering signals** reserved to mobile communications

		LP345F LTE	LP345MF LTE	LP45F LTE	LP45NF LTE	LP5F LTE	LPV345F LTE	LP345HV LTE
Fracarro code		216270	216269	216249	216250	216208	217250	216268
Band		III + UHF	III + UHF	UHF	UHF	V	III + UHF	III + UHF
Channels		E5-E12 E21-E60	E5-E12 E21-E60	E21-E60	E21-E60	E38-E60	E5-E12 E21-E60	E5-E12 E21-E60
Technical characteristics								
Bandwidth	MHz	174-230 / 470-790	174-230 / 470-790	470-790	470-790	606-790	174-230 / 470-790	174-230 / 470-790
Max gain	dBi	9.5 / 11	8.5 / 9.5	11	11.5	12	9 / 11.5	9 / 11
Front to back ratio	dB	24 / 32	22 / 30	36	36	36	24 / 32	24 / 32
Return loss	dB	-16 / -16	-14 / -13	-15	-15	-15	-18 / - 13	-13 / - 13
Beamwidth (-3dB)	°	+/- 34, +/- 31	+/- 34, +/- 30	+/- 28	+/- 25	+/- 25	+/- 23, +/- 21	+/- 34, +/- 31
Impedance	Ohm	75						
Mechanical characteristics								
Nr of elements		16+16	15+15	14+14	15+15	14+14	9+9	16+16
Dimensions (L x L)	cm	115x86	77x86	99x32	116x86	99x24	65x79	111x86
Maximum mast Ø	mm	60						
Wind load at 120 Km/h (720 N/m2)	kg (N)	3.9 (38.25)	2.7 (26.48)	3.0 (29.43)	3.0 (29.43)	3.0 (29.43)	2.8 (27.46)	3.9 (38.25)
Connector	Type	F						Clamp

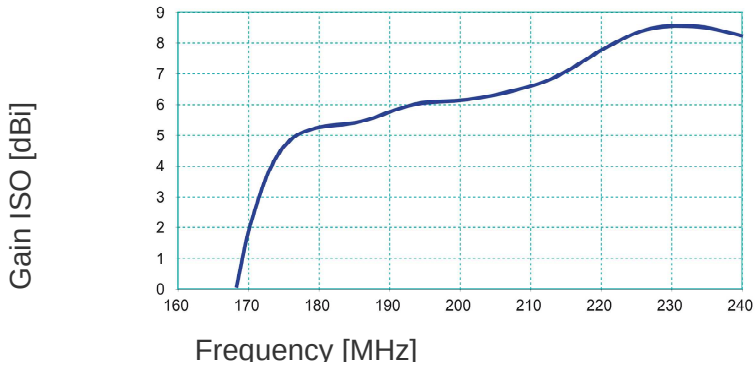
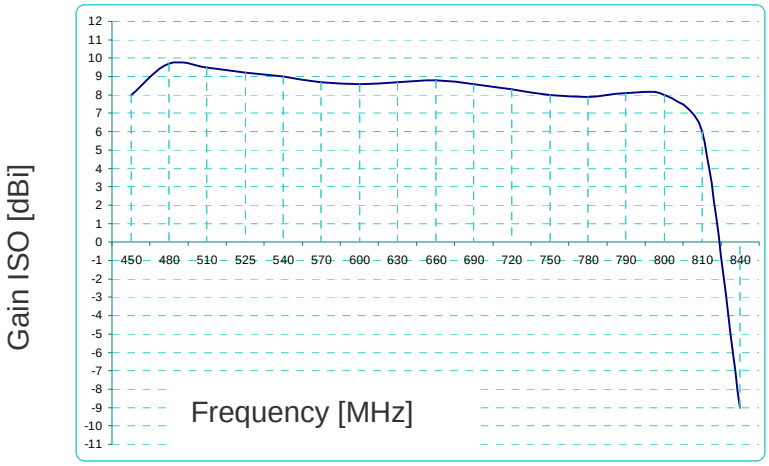
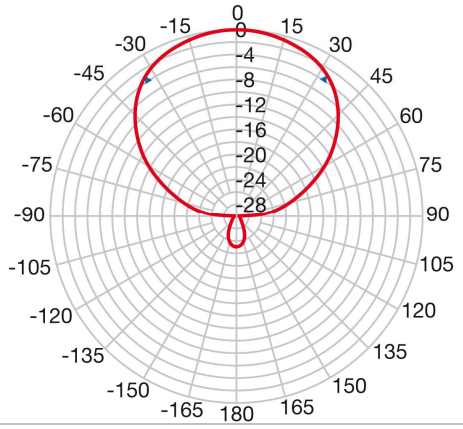
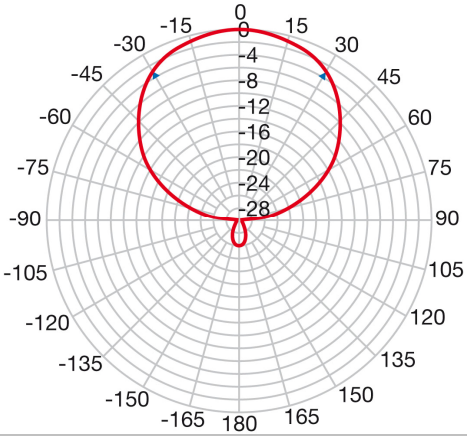
Accessories	
Horizontal Polarization	Included
Horizontal polarisation with tilt adj.	PV10
Vertical polarization	Included
Vertical polarisation with tilt adj.	PV10
Auxiliary boom	Not preset

Code	Article	Packaging	Quantity	Dimensions	Net weight	Total weight
			pcs	mm	kg	kg
216270	LP345F LTE	Box	20	1100 × 1090 × 410	1.12	22.90
216269	LP345MF LTE	Box	20	1200 × 765 × 425	0.90	18.50
216249	LP45F LTE	Box	15	1010 x 810 x 245	0.8	13.2
216250	LP45NF LTE	Box	20	1175 x 745 x 305	0.88	18
216208	LP5F LTE	Box	20	1015 × 490 × 415	0.767	15.84
217250	LPV345F LTE	Box	20	700 × 680 × 690	0.85	17.50
216268	LP345HV LTE	Box	20	1090 x 1070 x 400	1.04	21.3

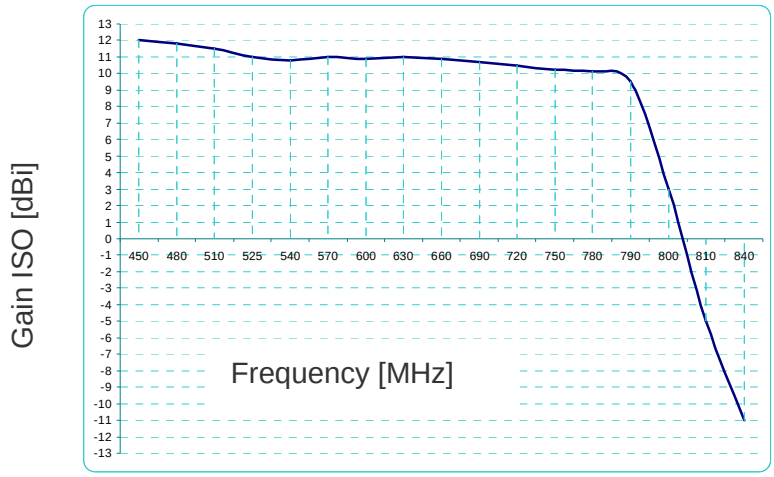
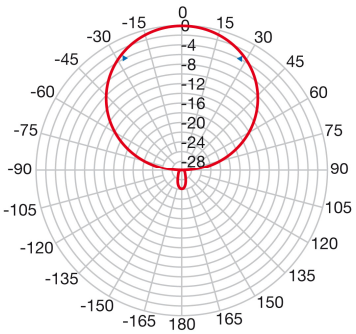
Frequency performance LP345F LTE

GAIN	**BAND III**	
	BAND UHF	
DIRECTIVITY	**BAND III**	
	BAND UHF	

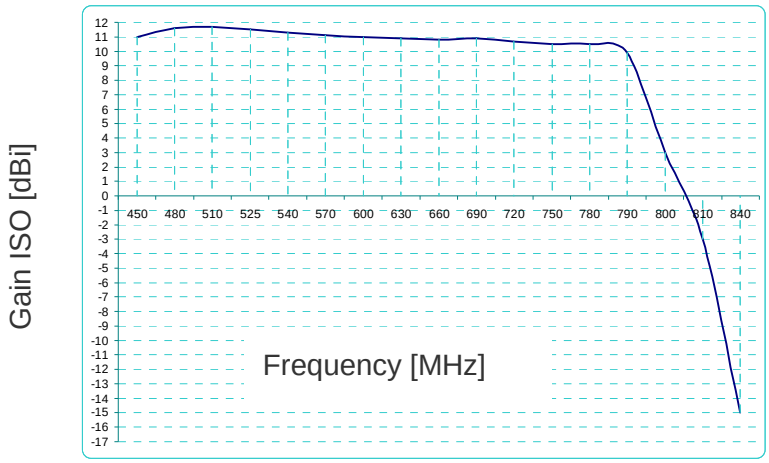
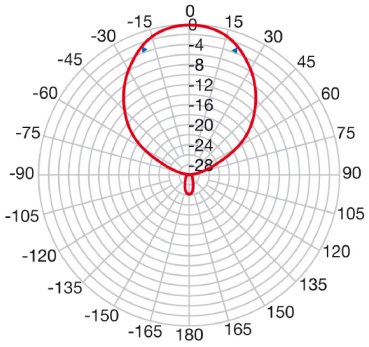
Frequency performance LP345MF LTE

GAIN	**BAND III**	
	BAND UHF	
DIRECTIVITY	**BAND III**	
	BAND UHF	

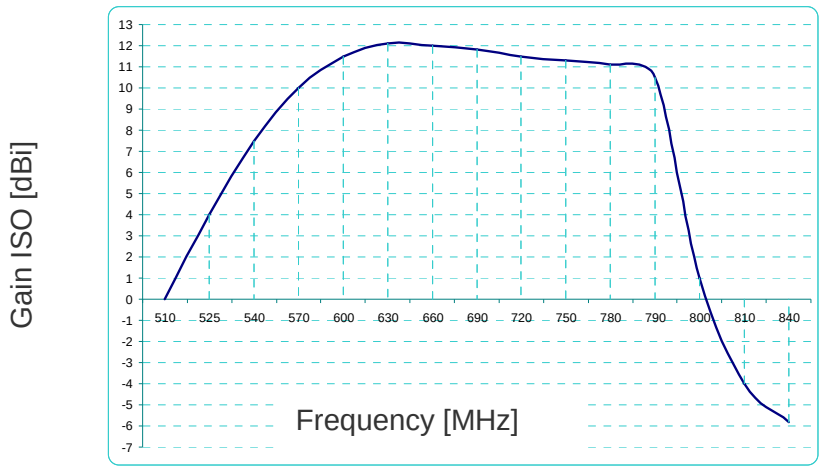
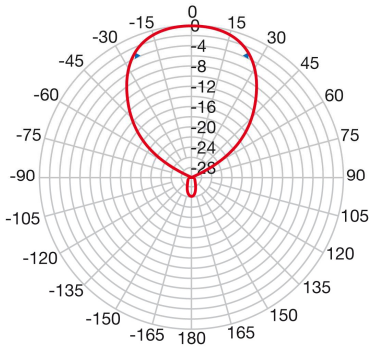
Frequency performance LP45F LTE

GAIN	**BAND UHF**	
DIRECTIVITY	**BAND UHF**	

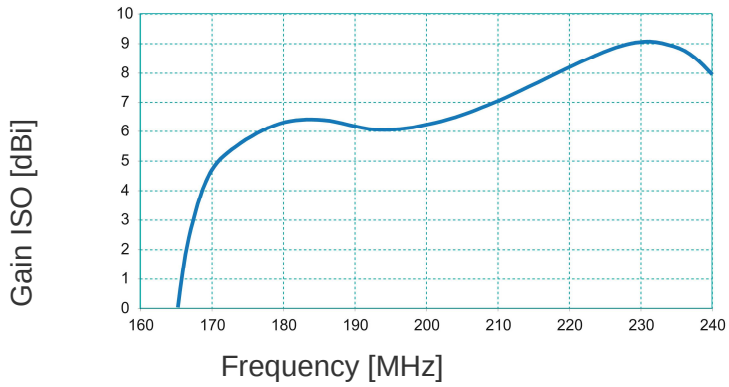
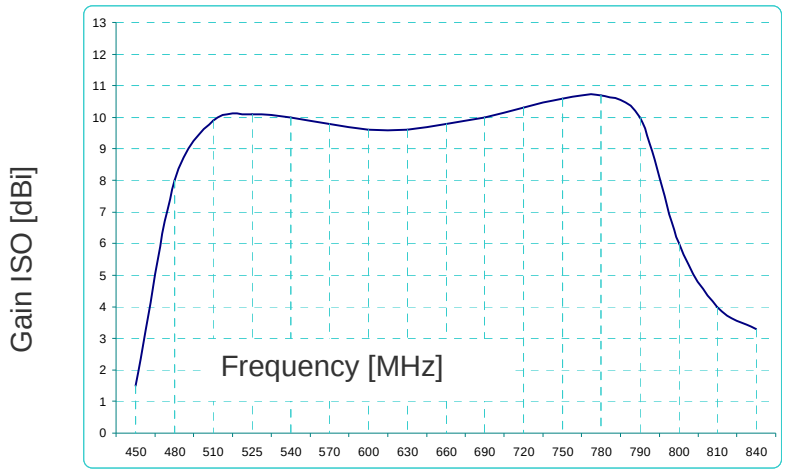
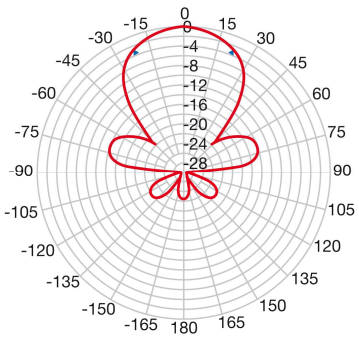
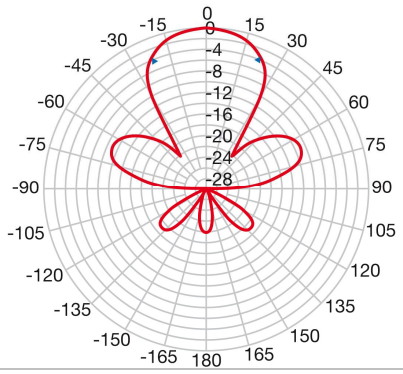
Frequency performance LP45NF LTE

GAIN	**BAND UHF**	
DIRECTIVITY	**BAND UHF**	

Frequency performance LP5F LTE

GAIN	**BAND UHF**	
DIRECTIVITY	**BAND UHF**	

Frequency performance LPV345F LTE

GAIN	**BAND III**	
	BAND UHF	
DIRECTIVITY	**BAND III**	
	BAND UHF	

Frequency performance LP345HV LTE

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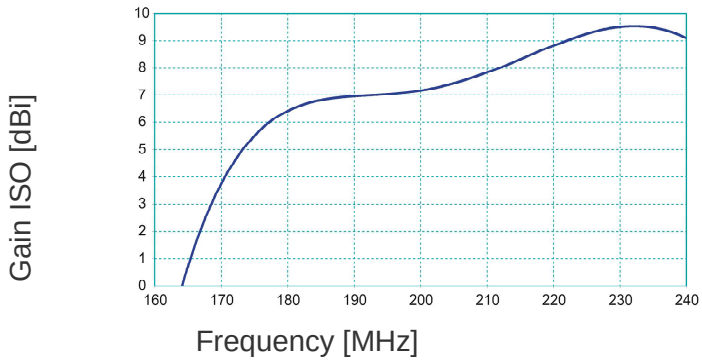
<tr><td rowspan="2">GAIN</td><td>BAND III</td><td> 
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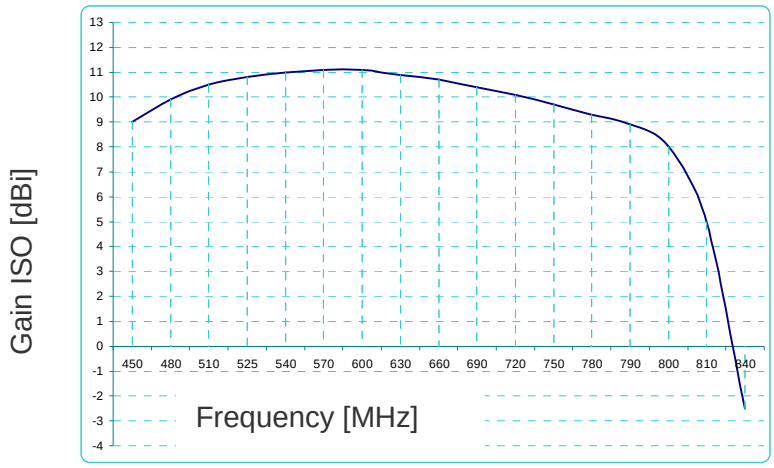
<tr><td>BAND UHF</td><td> 
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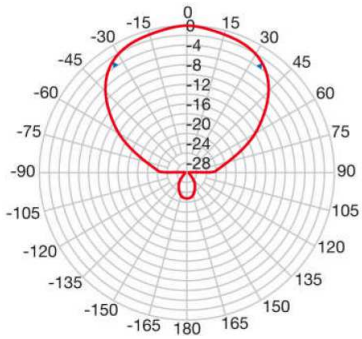
<tr><td rowspan="2">DIRECTIVITY</td><td>BAND III</td><td> 
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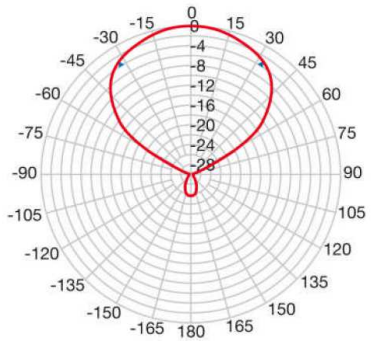
<tr><td>BAND UHF</td><td> 
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