

## Cellular Phone / LTE Full band Antennas

*Embedded*  
790~960MHz  
1710~2170MHz  
2500~2700MHz

*Indoor-Replacement type*  
790~960MHz / 1710~2170MHz  
2500~2700MHz

*Indoor- Rubber Duck*  
698~960MHz/ 1710~2170MHz  
2500~2700MHz

LTE / GSM  
Applications



Model. Number	YFF-Z019MPXX	YHX-614XSAXX	YWX-614XSAXX	YMX-614XSAXX	YWX-171XSAXX	YHX-622XSAXX	YWX-622XSAXX	YMX-622XSAXX
Applications	Embedded PIFA Type	Indoor Replacement Straight type	Indoor Replacement Swivel type	Indoor Replacement Right Angle type	Indoor Replacement Swivel type	Indoor Replacement Straight type	Indoor Replacement Swivel type	Indoor Replacement Right Angle type
Frequency	698~960MHz/ 1710~2170MHz/ 2500~2700MHz	790~960MHz/ 1710~2170MHz/ 2500~2700MHz	790~960MHz/ 1710~2170MHz/ 2500~2700MHz	790~960MHz/ 1710~2170MHz/ 2500~2700MHz	790~960MHz/ 1710~2170MHz/ 2500~2700MHz	698~960 MHz/ 1710~2170 MHz/ 2500~2700 MHz	698~960 MHz/ 1710~2170 MHz/ 2500~2700 MHz	698~960 MHz/ 1710~2170 MHz/ 2500~2700 MHz
Gain	0 / 2 / 2 dBi	0 / 1 / 3 dBi	0 / 1 / 3 dBi	0 / 1 / 3 dBi	1 / 2 / 3 dBi	1 / 2 / 3 dBi	1 / 2 / 3 dBi	1 / 2 / 3 dBi
Impedance	50Ω	50Ω	50Ω	50 Ω	50Ω	50 Ω	50 Ω	50 Ω
S.W.R.	≤3	≤2	≤3	≤3	≤3	≤2.0	≤2.0	≤2.0
Radiation	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Polarization	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
HPBW@3dB	-	-	-	-	60° typical	E-Plane: 60° H-Plane: 360°	E-Plane: 60° H-Plane: 360°	E-Plane: 60° H-Plane: 360°
Connector	u.FL/I-PEX Jack	SMA Plug	SMA Plug	SMA Plug	SMA Plug	SMA Plug	SMA Plug	SMA Plug
Cable / Length	1.37mm cable/ 150mm	-	-	-	-	-	-	-
Radome Material	-	PC	PC	PC	PU	PC	PC	PC
Height	80*30*9.3mm	144mm	161 mm	149 mm	242 mm	221 mm	237 mm	224 mm
Weight	26 g	26 g	29 g	26 g	41 g	40 g	40 g	40 g

## Cellular Phone / LTE Wideband Antennas

LTE / GSM  
Applications

*Indoor Solution*  
806~960MHz  
1710~2500MHz



698~960MHz  
1710~2700MHz



*Outdoor Solution*  
790~960 / 1710~2170MHz  
2300~2500MHz



698~960 / 1710~2170MHz  
2300~2700MHz



*Outdoor Solution*  
698~960 / 1710~2700MHz



Model. Number	YPF-1704NFX9	YPF-021XNFA9	YGX-1012NFX9	YHX-3802NFXX	YHF-3802SA1X	YPX-1003NFX9	YPF-030ANFX9
Applications	Indoor Ceiling	Indoor Patch - Wall Mount	Outdoor Great Power type	Outdoor Replacement Straight type	Outdoor Replacement Straight, Flying Lead	Outdoor Pole Mount	Outdoor Log Period - Pole Mount
Frequency	806~960MHz /1710~2500MHz	698~960MHz/ 1710~2700MHz	790~960MHz/ 1710~2170MHz/ 2300~2500MHz	698~960MHz/ 1710~2170MHz/ 2300~2700MHz	698~960MHz/ 1710~2170MHz/ 2300~2700MHz	698~960MHz/ 1710~2700MHz	698~800MHz/ 800~960MHz/ 1710~2700MHz
Gain	2 / 3 dBi	7 / 10 dBi	1 / 2 / 3 dBi	1 / 3 / 5 dBi	1 / 3 / 5 dBi	3 / 3.5 dBi	7.5 / 8.5 / 10 dBi
Impedance	50 Ω	50 Ω	50 Ω	50Ω	50Ω	50 Ω	50 Ω
S.W.R.	≤2.0	698~806 ≤ 2.0 806~960 ≤ 1.5 1710~2700 ≤ 1.5	≤3	≤3	≤3	≤2.0	≤2.0
Radiation	Omni-directional	Directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Directional
Polarization	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
HPBW@3dB	E-Plane: 60° H-Plane: 360°	E: 55°, H: 70° / E: 45°, H: 60°	60° typical	-	-	H-Plane: 360°	E: 65°, H: 85° / E: 60°, H: 85° / E: 50°, H: 60°
Connector	N Jack	N Jack	N Jack	N Jack	SMA Plug	N Jack	N Jack
Cable / Length	RG58 / 340mm	RG58 / 330mm	-	-	J100 / 1500mm	-	RG58 / 300mm
Radome Material	ABS	ABS	ABS	PC	PC	ABS	ABS
Height	φ160*95 mm	207*177*45mm	200 mm	φ39.8*77.9 mm	φ38*77.7 mm	φ100*130 mm	293*210*64 mm
Weight	190 g	400 g	150 g	140 g	170 g	810 g	920 g