

## Antenna Array containing Antenna F (B41)

### Antenna F

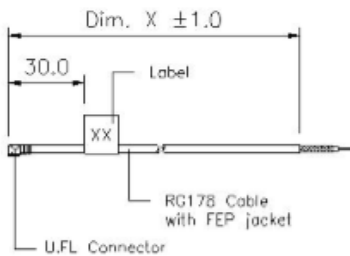
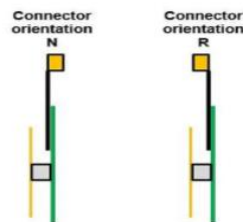
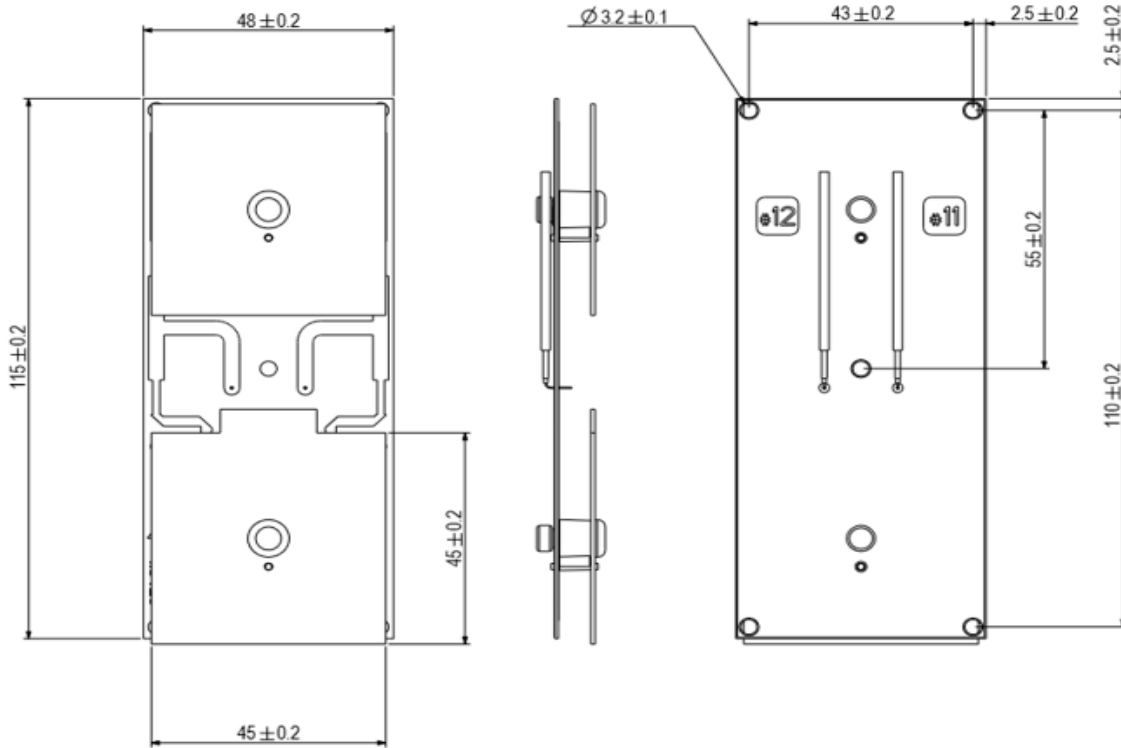
LTE band number	41
Frequency range	2496 – 2690 MHz
Average gain to RF connector	9.5 ± 1.0dBi
Azimuth HPBW	60° ± 10°
Elevation HPBW	35° ± 5°
Polarisation discrimination at 0°	18 dB
Front to back ratio	≥ 25 dB
Polarisation	Dual Slant ±45°
Electrical Down-tilt	0°
Impedance	50 ohms
VSWR	≤ 2.0:1
Isolation between RF Ports	≥ 18 dB
Isolation between eNB & UE antenna	≥ 30 dB
Average transmission power per polarisation	26 dBm
Peak transmission power per polarisation	36 dBm
Recommended maximum dimensions (mm)	(See Outline Drawing on P2)
Connector type	2 x U.FL plug
Cable Type	RG178 with FEP Jacket
Cable Length/colour/Connector Orientation	150mm/Black/N
Labelling	#11 & #12, Grey Labels
DC Grounding	NA

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\* Alpha Wireless are always improving products; specification subject to change without notice.

# AW3646-3-R1 Outline Drawing



Cable prep. details						
Part Number	Dim. X	FEP Colour	Label	Label Colour	Quantity	Connector Orientation
Antenna F	150.0	Black	#11	Grey	1	N
Antenna F	150.0	Black	#12	Grey	1	N

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