

ZAU-GPSWL-5

All-in-one 'Shark-fin' low profile antenna
4G LTE, 4G, 3G, L1 GPS and WiFi/WLAN



The ZAU-GPSWL-5, 4G LTE/4G/3G, L1 GPS and WiFi 'shark-fin' antenna is perfect for A.V.L. tracking, L1 GPS navigation, and telemetry applications, all within a low profile, fully water-proof design.

Adaptors, patch leads and other installation accessories are all available separately.



	Mobile phone	L1 GPS	WiFi/WLAN
Construction	Black moulded radome, zinc alloy base, external cable assemblies, <u>no terminations</u>		
Frequency range	All networks 4G LTE, 4G & 3G 698-960 / 1710-2170 and 2300-2700 MHz	L1 GPS: 1575.42 MHz	WiFi: 2.4-2.5 GHz
Bandwidth	Full frequency ranges	±5 MHz	Full frequency range
Gain - typical	698-960 MHz: 2 dBi 1710-2190 MHz: 3 dBi 2300-2700 MHz: 3.5 dBi	Peak gain: 3 dBi - with 7cm x 7cm ground plane	2.15 dBi
Gain coverage	-	>-4 dBi at -90 <0 <+90 - over 75% volume	-
Polarisation	Linear	Right-hand circular	Vertical
VSWR	2.0:1	≤1.5:1	
Impedance	50 Ohms		
LNA gain - typical	28 dBi - without cable		
LNA noise figure	1.5 dB		
Filter out band attenuation	7dB min. 1575.42 MHz, +/- 20 MHz,		
DC Voltage	2.7-5.0 Volts	DC current	11mA maximum
Cable	3 x 2, 3 or 5m RG174 - Mobile phone, GPS and WiFi - specify requirements		
Connectors	SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX/QMA - specify requirements for each cable		
Working temperature	-40°C to +85°C		
Storage temperature	-45°C to +100°C		
Dimensions	Height: 84mm, Width: 53.8mm, Length: 62mm		
Overall weight	240grams		
Mounting	ZCG recommend for greater than 1mm thickness mounting material remove spacer washer from base and run all cables through nut supplied.		
Installation tools required	22mm spanner for nut securing		



For mounting material thicker than 1mm ZCG recommend removing spacer washer and inserting cables through nut.



Example of connectors fitted to each cable: GPS & WiFi - QMA male and LTE - SMA male

Please specify requirements when ordering.