

ALLISCOM

GNSS Terminal Antenna

GPS(L1/L2) + GLONASS(L1)+BDS(B1)+ Galileo(E1)

Data Sheet



Model No. **J830U**

Feature **GPS (L1/ L2)+ GLONASS(L1)+BDS(B1)+ Galileo(E1)**
Low Profile
Concealable
High Performance

Description **ALLISCOM offers small GPS L1/L2 and GLONASS external antenna with superior quality. The antenna has been rated and benchmarked by the leading GPS L1/L2 receiver module and chipset companies as best in industry.**

1. Electrical Specification

1.1 Patch Antenna

Frequency	GPS (L1:1575.42MHz/L2:1227.6MHz)	GLONASS (L1:1602~1615MHz)	BDS (Compass) (B1:1575.42MHz)	Galileo (E1:1575.42MHz)
VSWR	2.0 max.			
Impedance	50Ω			
Peak Gain	0dBic at 0° (4.2cm x 3.75cm ground plane)			
Polarization	RHCP			

1.2 Amplifier Module

Model No.	Amplifier Gain without cable		Noise Figure	Output VSWR	DC Voltage	DC Current
J830U	GPS	L1: 32dB Typ.	1.2dB Max.	2.0 Max.	DC 2.5 to 6V	10mA Max.
		L2: 32dB Typ.	1.2dB Max.	3.0 Max.		
	GLONASS L1: 31dB Typ.		1.2dB Max.	2.0 Max.		
	BDS B1: 32dB Typ.		1.2dB Max.	2.0 Max.		
	Galileo E1: 32dB Typ.		1.2dB Max.	2.0 Max.		

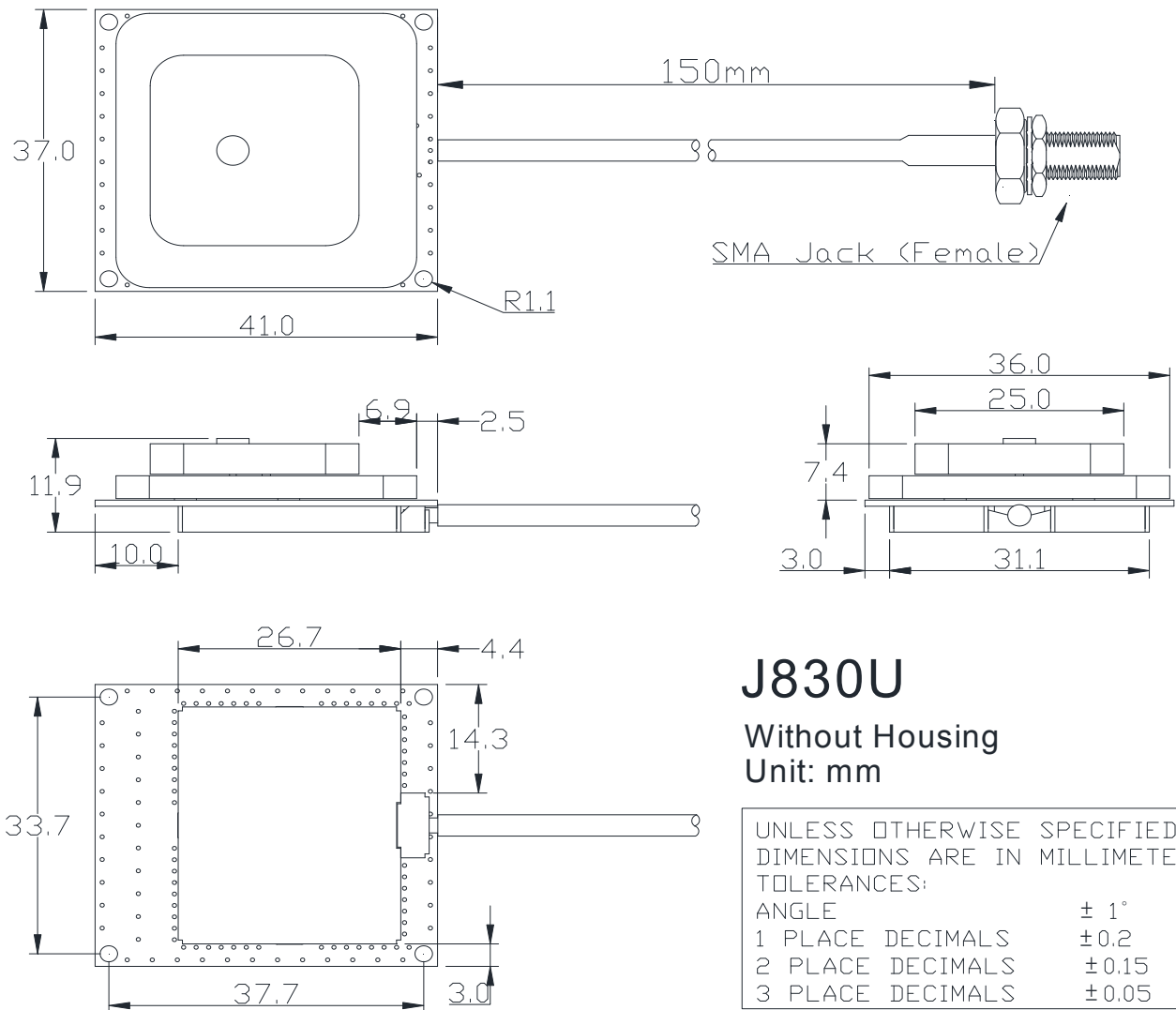
* Specifications subject to change without notice.

2. Mechanical Specification

2.1 Mechanical

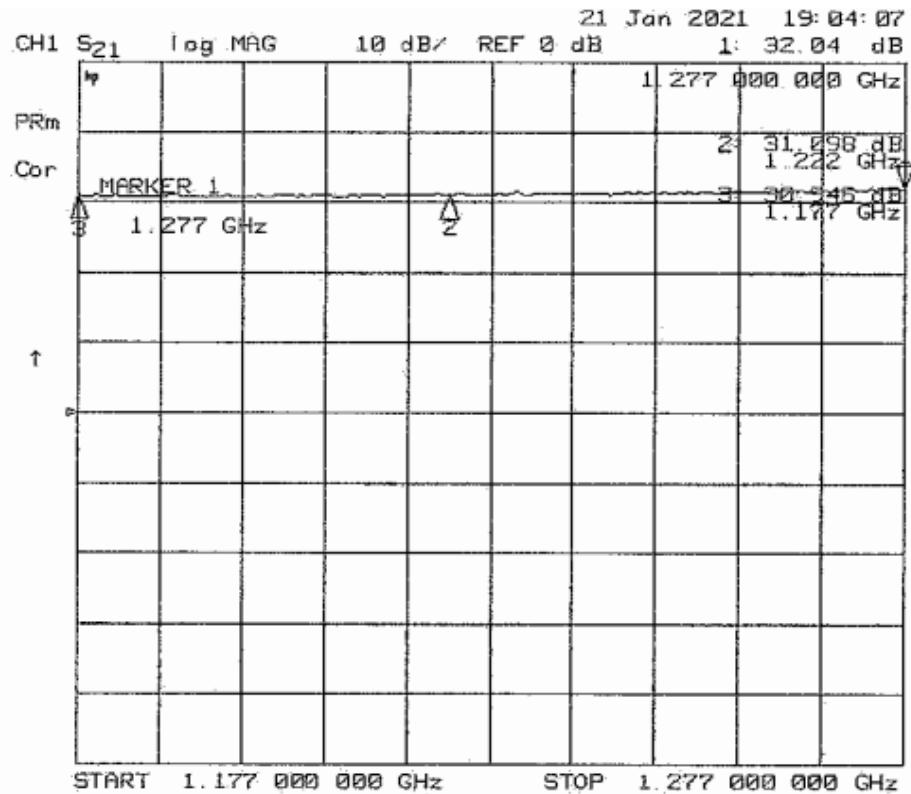
Item	Specification
Weight (Without Cable)	50 grams Max.
Size	41 x 37 x 11.9mm
Cable	Custom
Connector	Custom

2.2 Dimension



3. Appendix: Amplifier Gain(S21)

GPS L2



GPS L1/GLONASS L1/BDS B1/Galileo E1

