Stingray(STR-3) Antenna Specifications

General		2 Stages active LNA
		BPF
	Architecture Design	Dielectric Patch antenna
		Low Noise Low drop-out, Linear Regulator
		Low Loss RG/174 Coax cable with double shield
		Aluminum Base/ PC+ Radome Plastic
Performance	Receiving Frequency	L1 Band(1575.42MHz)
	Output Impedance	50 ohms
	Polarization's	Right Hand Circular (RHC)
	Bandwidth	10dB MHz @ -3dB point
	VSWR	1.5 Typical @ 1575MHz
	Elev. Angle Coverage	5~90 degree
	Az. Bearing Coverage	360 degree
	Filtering	BPF <10 MHz B/W @-3dB
	Over-all Gain	28dB (typical including 4dB cable loss & Filters)
	Over-all NF	<1.8dB @fo, 2dB max.
	LNA Characteristic	K=>1 Un-conditionally Stable
Electrical	Power Input	+2.75Vdc to + 12Vdc input, Auto Switching
	Power Consumption	11mA to 13mA (max)
	Power Input	Reverse Polarity Short Circuit shutdown
	Over-Current	Thermal Over-current shutdown >+150degreeC
Physical	Dimensions	44 x 34 x 12mm +/-0.5mm
	Mount	Magnetic
	Radome Color	Black
	Coax Connector	BNC, SMA, SMB, MCX, MMCX, GT-5, Hirose…etc.
	Coax Cable	RG-174U double shielded 5m, Low Loss 0.7dB/m
Environmental	Operating emperature	-30 to + 85 degreeC
	Storage	-40 to + 90 degreeC
Option	OEM Hardware	1. Open Frame Antenna , with RF shield
		2. Open Frame with 3" Flanges & RF shield
		3. Ant + Aluminum Base