



**TECHNICAL SPECIFICATIONS**

Description	Range
Frequency	30-3000MHz (Expandable to 6GHz)
Instantaneous Bandwidth	20MHz (Expandable to 80MHz)
Frequency Resolution	100Hz
Frequency Accuracy	0.1ppm
Phase Noise	-105dBc/Hz @10KHz
Image Frequency Rejection	≥ 80dB
Noise Figure	≤16dB
Adjacent Channel Suppression 10 KHz	80dB
Modes of Demodulation	AM, FM
Dynamic Range	≥ 120dB Offline (Including AGC) ≥ 70dB Online
DF Method	Correlative Interferometer, Music (option)
Instrument DF Accuracy	1° RMS
System DF accuracy	Dependent to Antenna Type (Refer to Antenna Spec.)
Display	Azimuth vs. Frequency, Level vs. Frequency, Polar Diagram, Histogram, Waterfall, Real-Time IF Panoramic Display
Display Resolution	1°
DF Sensitivity	Typ. 1μv/m (-107dBm) to 9μv/m (-90dBm) (Frequency Dependent)
Operating Modes	FFM (Fix Frequency Mode), WBM (Wide Band Mode), SCAN (F-SCAN, M-SCAN), Frequency Hopping(up to 3 nets) with 2500hops/s
Frequency Span in Wideband Mode	1MHz/ 2MHz/10MHz/20MHz
Minimum Detectable Burst Duration	400μs
Scan Speed	Up to 1GHz/sec with 20KHz Resolution
Channel Spacing (Depending on Selected Real Time Band Which)	100KHz/50 KHz/25KHz/20KHz 12.5KHz/10 KHz/8.33KHz/5KHz 2KHz/1 KHz/0.5KHz/0.2KHz 0.1KHz/0.05 KHz/0.02KHz
Direction Finding Bandwidth	60KHz/30KHz/15KHz/12KHz/7.5KHz/6KHz/5KHz/3KHz/1.2KHz/0.6KHz
Demodulation Bandwidths	30KHz/15KHz/7.5KHz
Azimuth Range	360°
Maximum Detectable Hopping Rate	2500Hop/s (Expandable to 5000Hop/s)

Version	A	B	C
Frequency Range	30 to 1300MHz	1300 to 3000MHz	30 to 200MHz
Antenna Type	9-Element Circular Array	8-Element Circular Array	9-Element Circular Array Switchable Active/Passive Mode
Polarization	Vertical	Vertical	Vertical
Nom. Impedance	50Ω	50Ω	50Ω
DF Error (In Reflection Free Environment)	≤2.5°rms, 30 to 200MHz ≤1.5°rms, 200 to 1300MHz	≤2°rms	≤ 2°rms
Dimension (Diameter, Height)	1.1 x .26meter	0.31 x 0.5meter	3 x 2.8meter
Weight	about 30kg	about 20kg	about 70kg

**Environmental**

Environmental Test Standard	According to Mil-STD-810G
Operation Temperature Range (Indoor)	0°C to 50°C
Operation Temperature Range (Outdoor)	-25°C to +65°C
MTBF	2000hours
MTTR	20minutes
Dimensions (W x H x D)	Approx. 60 x 70 x 70cm
Weight	Approx. 65kg
Standard	According to Mil-STD-810G
Power supply	220VAC, Maximum 1.5KVA
ITU-R Recommendation Compliant	SM. 1053, SM. 1269, SM. 1370, SM. 1392, SM. 1537-0, SM. 1537-1, SM. 1598, SM. 1600-0, SM. 1600-2, SM. 854-1, SM. 854-3

RADAR AND OPTIC