

Test report is for reference only.

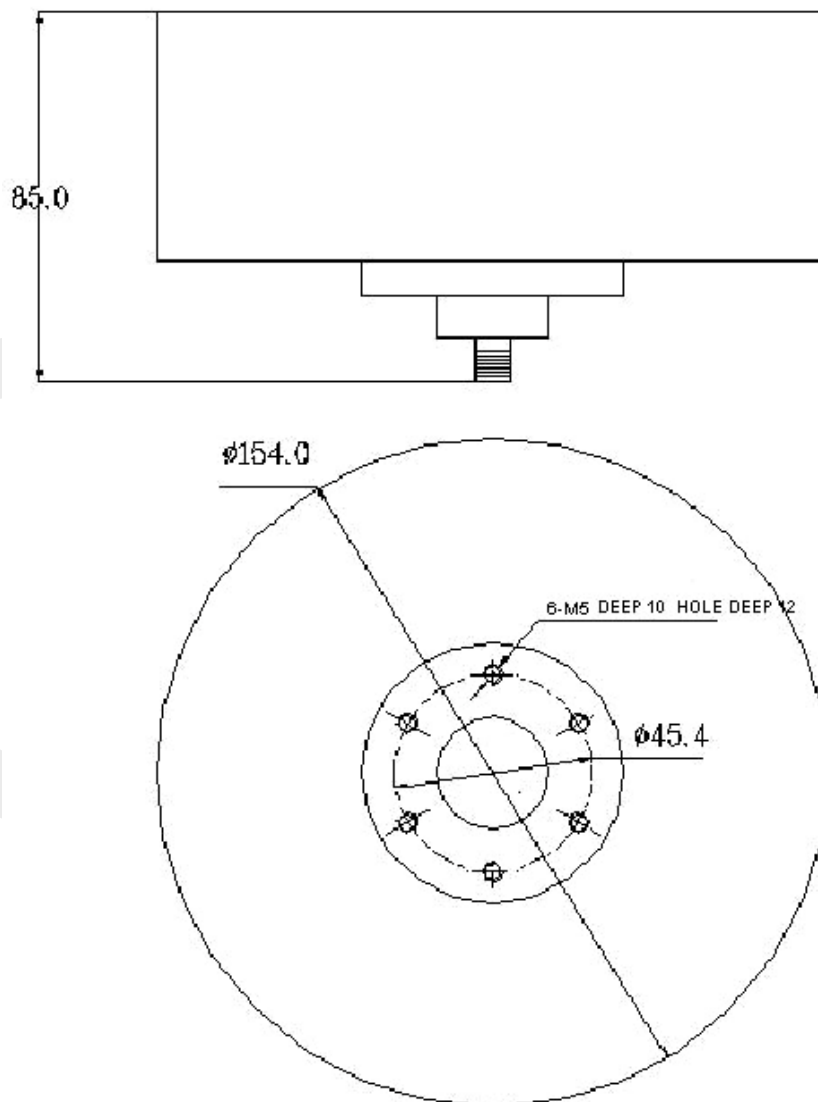
TEST REPORT
For
OBS-840



Technical Specification

Polarization	RHCP
Frequency Range(GHz)	0.8-4
Gain(dBic)	0.6 @0.8GHz
	1.8 @2GHz
	2.2 @4GHz
Beamwidth(°)	110-70
Axial Ratio(dB)	3 max
VSWR	2:1 Typ.
Connector	SMA-Female
Size(mm)	Φ154.0x85.0
Net Weight(Kg)	0.76 Around

Outline Drawing



Test Instruments

- HP8720D
- AV14812
- AV4033

Test Results

1. Gain

Frequency(GHz)	0.8	1	2	3	4
Gain(dBic)	0.6	1.4	1.8	2.6	2.2

2. Axial Ratio

Frequency(GHz)	0.8	1	2	3	4
Axial Ratio(dB)	2.2	1.5	2	1.8	1.3

3. 3dB Beamwidth

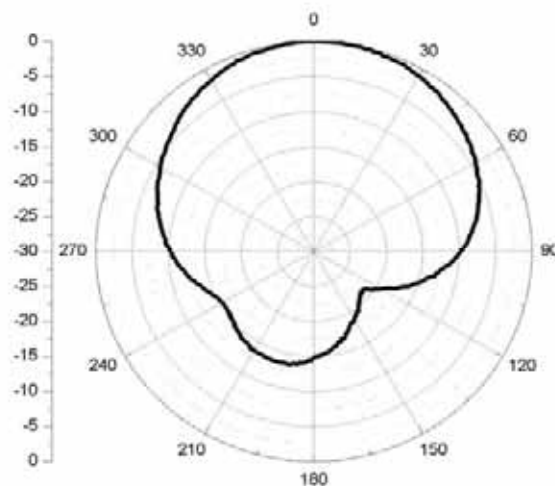
Frequency(GHz)	E(°)	H(°)
0.8	90	90
1	86	86
2	74	74
3	72	72
4	76	76

4. Front to Back Ratio

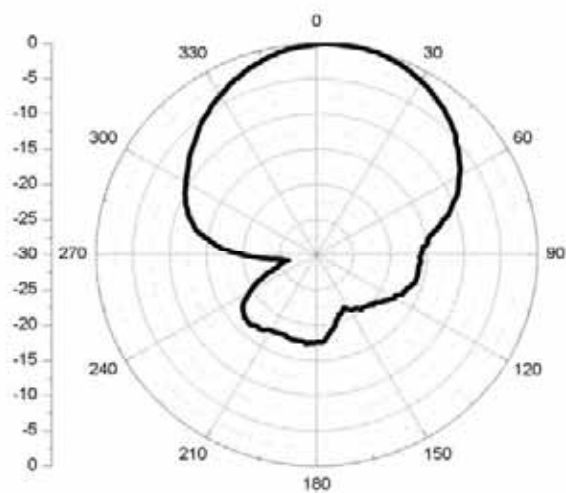
Frequency(GHz)	0.8	1	2	3	4
Front to Back(dB)	15.6	15.2	16.6	20.7	18.3

5. Pattern

Frequency: 0.8GHz



Frequency: 2GHz



Frequency: 4GHz

