

Test report is for reference only.

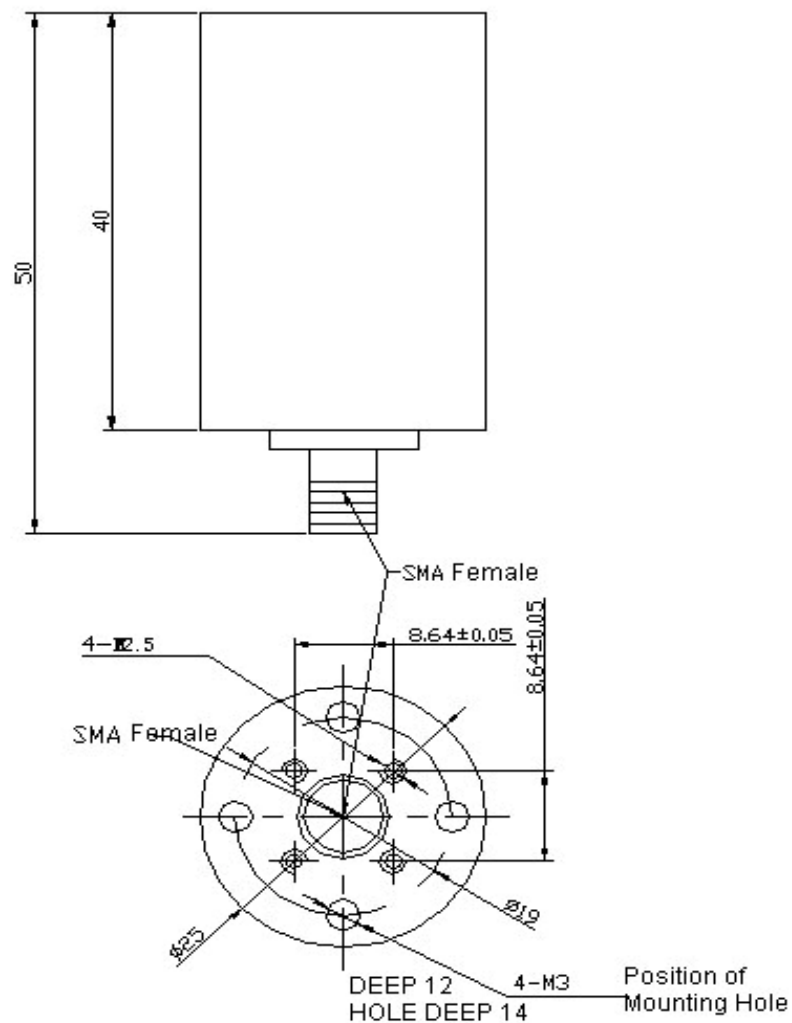
TEST REPORT
For
OBS-80180



Technical Specification

Polarization	LCHP
Frequency Range(GHz)	8-18
Gain(dBic)	1.4@8GHz;
	2.1@12GHz;
	3.7@18GHz;
Axial Ratio(dB)	4 max
VSWR	2.5:1 Typ.
Output Impedance(Ω)	50
Beamwidth($^{\circ}$)	120-50
Connector	SMA- Female
Size(mm)	$\Phi 25 \times 50$
Net Weight(Kg)	0.03 Around

Outline Drawing



Test Instruments

- HP8720D
- AV14812
- AV4033

Test Results

1. Gain

Frequency(GHz)	8	10	12	16	18
Gain(dBic)	1.4	2.2	2.1	3.8	3.7

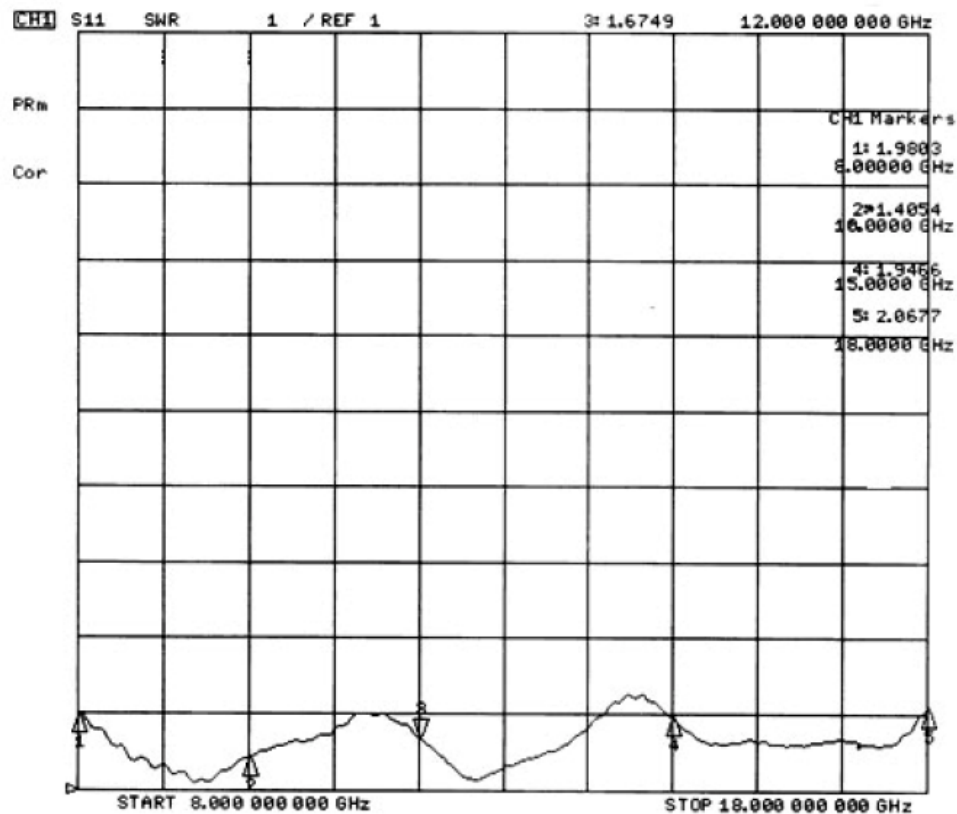
2. Axial Ratio

Frequency(GHz)	8	10	12	16	18
Axial Ratio(dB)	3.5	2.8	1.8	2.5	1.6

3. Beamwidth

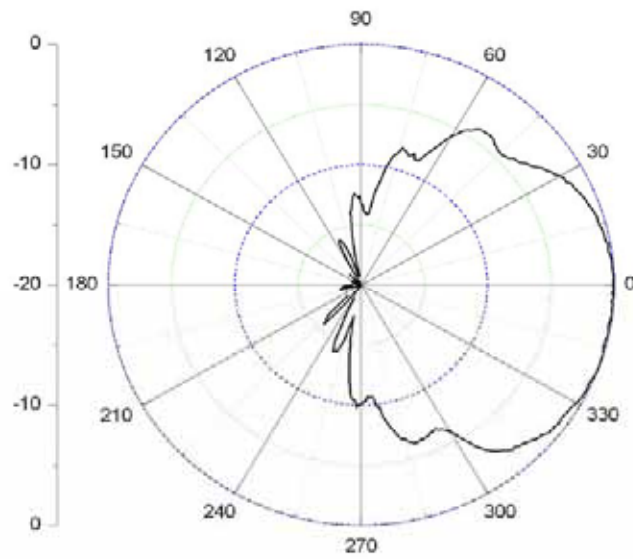
Frequency(GHz)	8	10	12	16	18
E(°)	77.2	73.4	74.1	50.8	74.3
H(°)	87.6	76.2	68.4	55.2	76.9

4. VSWR

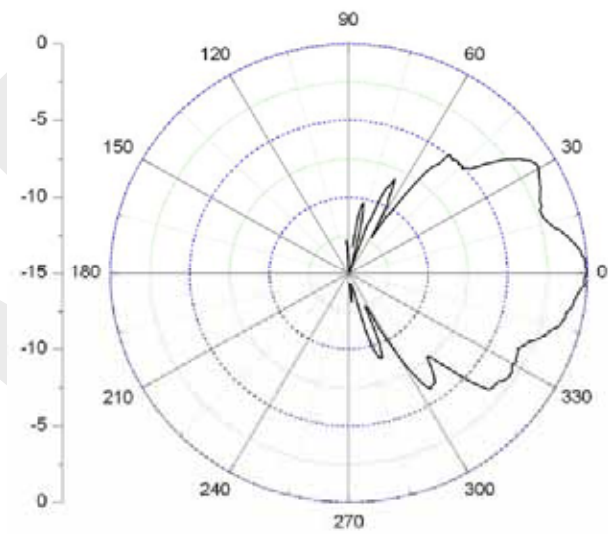


4. Pattern

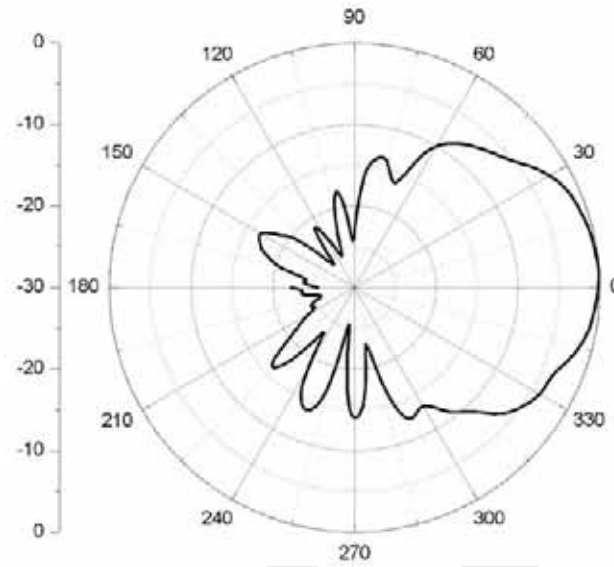
Frequency: 8GHz



Frequency: 12GHz



Frequency: 16GHz



Frequency: 18GHz

