

Test report is for reference only.

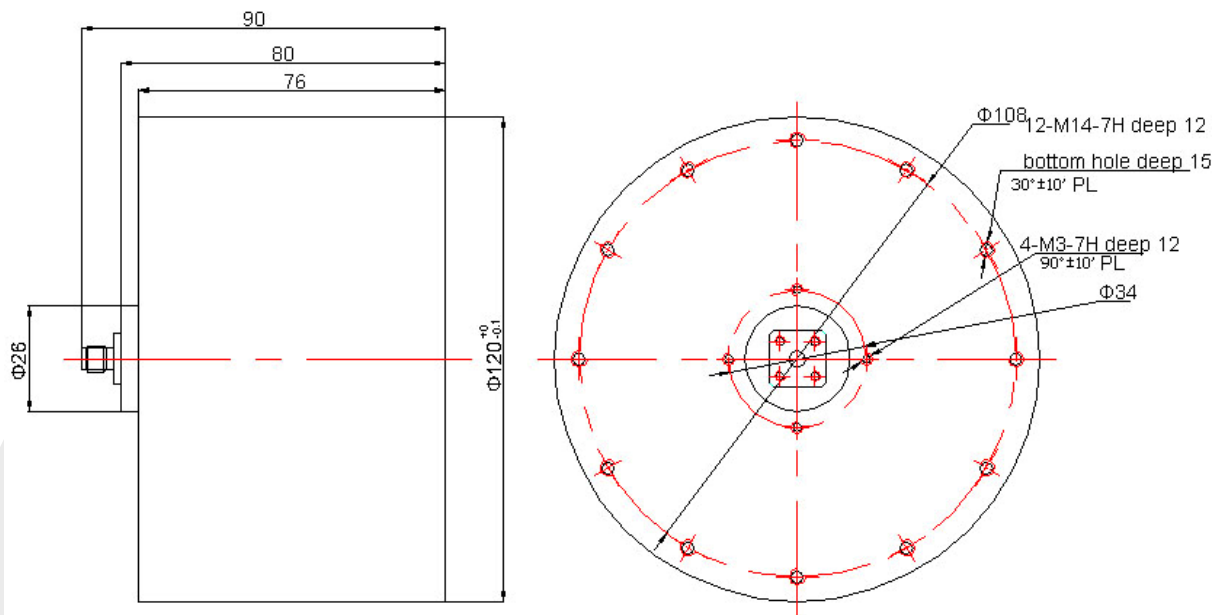
TEST REPORT
For
OBS-10180



Technical Specification

Polarization	LHCP
Frequency Range(GHz)	1-18
Gain(dBic)	-3.5 @2GHz
	4.7 @8GHz
	5.3 @18GHz
Axial Ratio(dB)	3 max
Beamwidth(°)	110~55
Output Impedance(Ω)	50
VSWR	2Typ. (3 max)
Connector	SMA-Female
Size(mm)	$\Phi 120 \times 90$
Net Weight(Kg)	0.87 Around

Outline Drawing and Mounting



Test Results

1. Gain

Frequency Range(GHz)	1	2	4	8	12	18
Gain(dBic)	-3.5	2.2	3.5	4.7	5.2	5.3

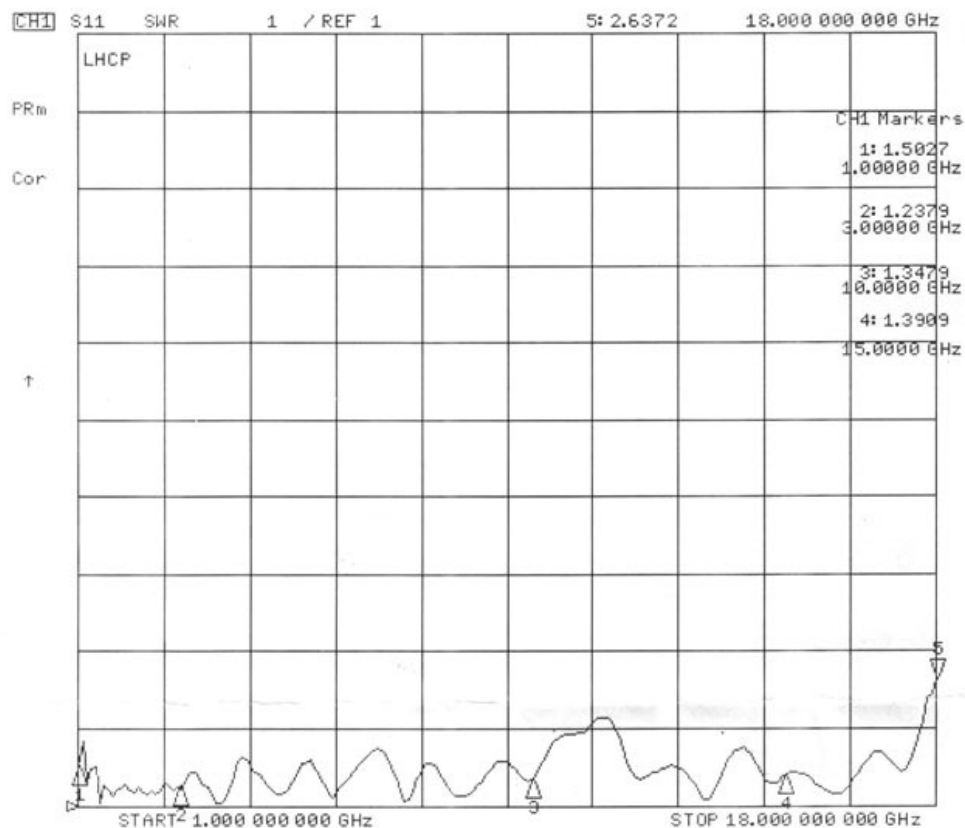
2. Axial Ratio

Frequency Range(GHz)	1	2	4	8	12	18
Axial Ratio(dB)	1.2	1.3	1.5	2.0	1.2	1.1

3. Beamwidth

Frequency Range(GHz)	1	2	4	8	12	18
E(°)	105	91.2	60.1	70.5	72.9	78.8
H(°)	103.4	88.2	61	76.7	70.6	68.7

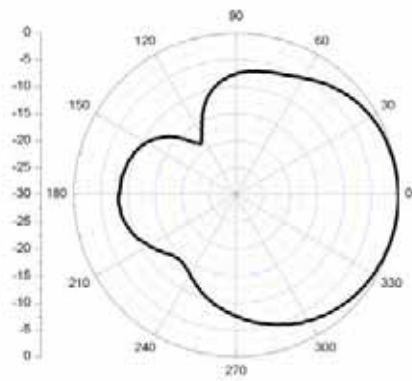
4. VSWR



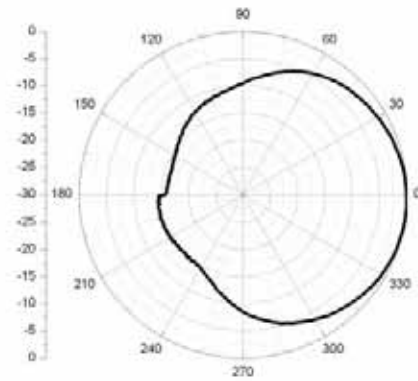
5. Pattern

Frequency: 1GHz

E Plane

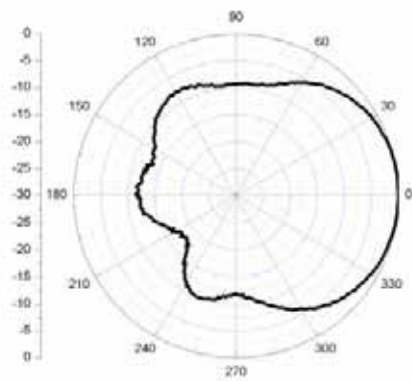


H Plane

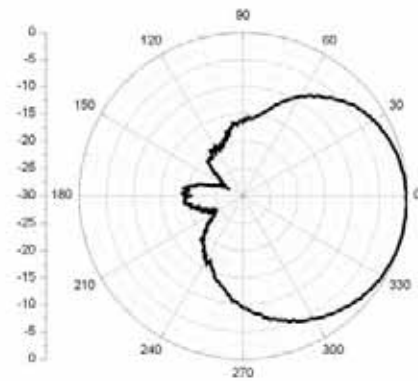


Frequency: 2GHz

E Plane

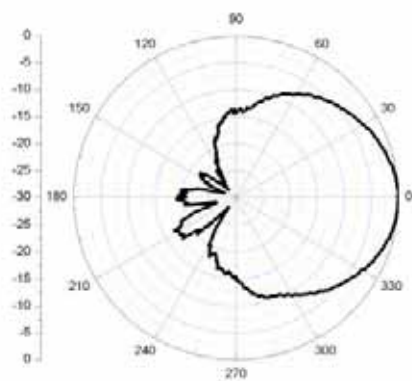


H Plane

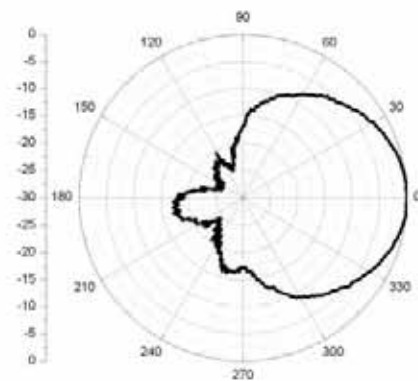


Frequency: 4GHz

E Plane

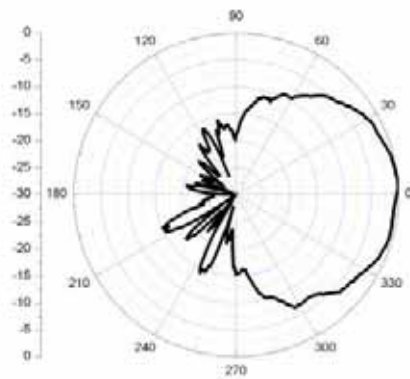


H Plane

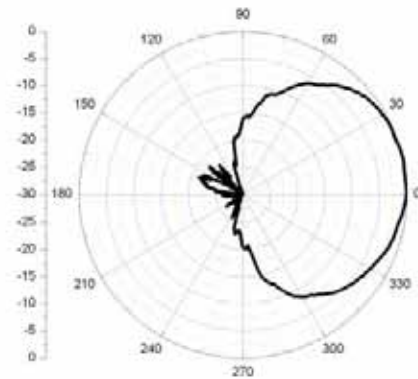


Frequency:8GHz

E Plane

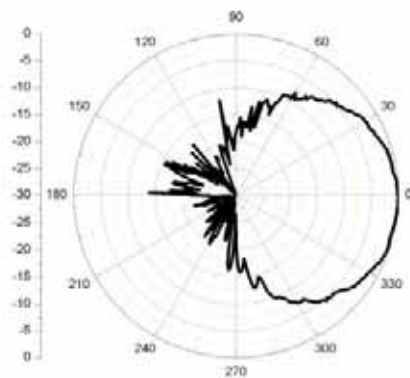


H Plane

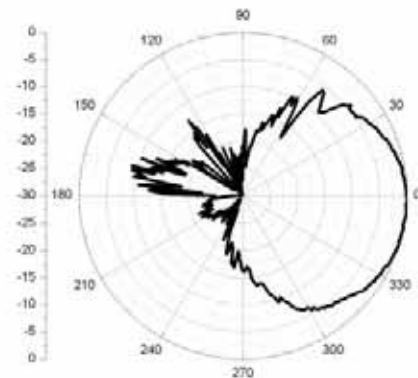


Frequency: 12GHz

E Plane

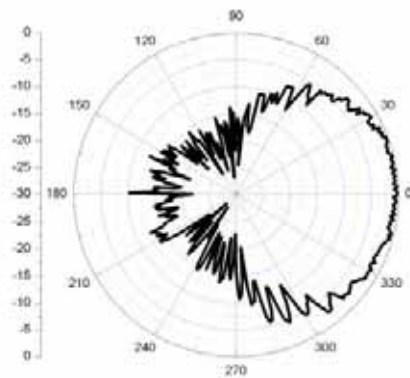


H Plane

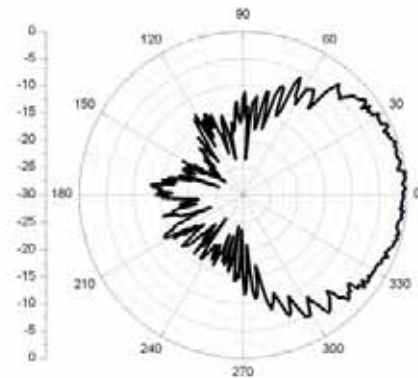


Frequency:16GHz

E Plane

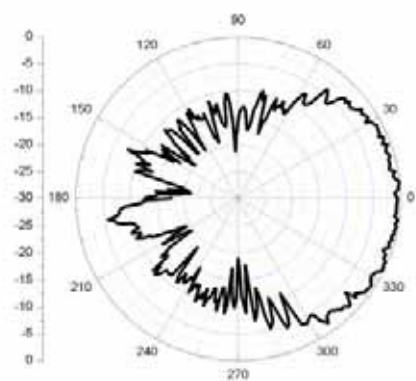


H Plane



Frequency: 18GHz

E Plane



H Plane

