

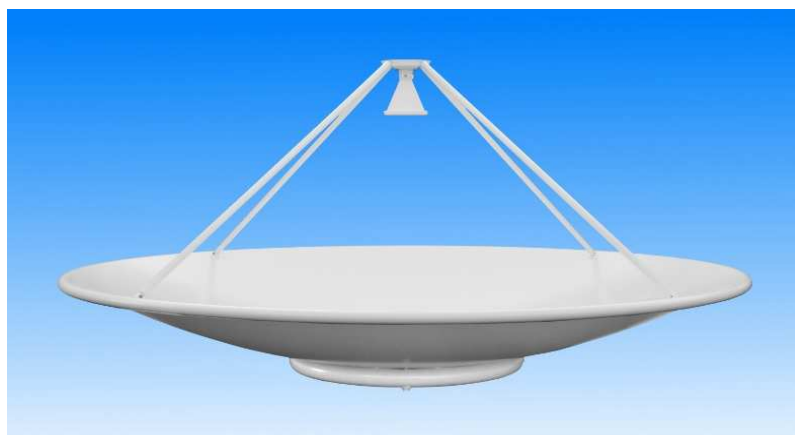
1.8 metre Reflector Antenna

2 to 18 GHz

Dual Polar Feed

Customer **Amska**

Reflector P/N: **QSR1800-755M**
Reflector S/N: **10766 & 10767**
Feed P/N: **WBFDP2-18S**
Feed S/N: **10972 & 10973**
Q-par ref: **13693D**
Date: **7-Dec-12**
Contents: **Summary**
Typical Antenna Gain
Typical Beamwidth / Patterns
Return Loss
Isolation
Drawing QMS-00300



Test Report

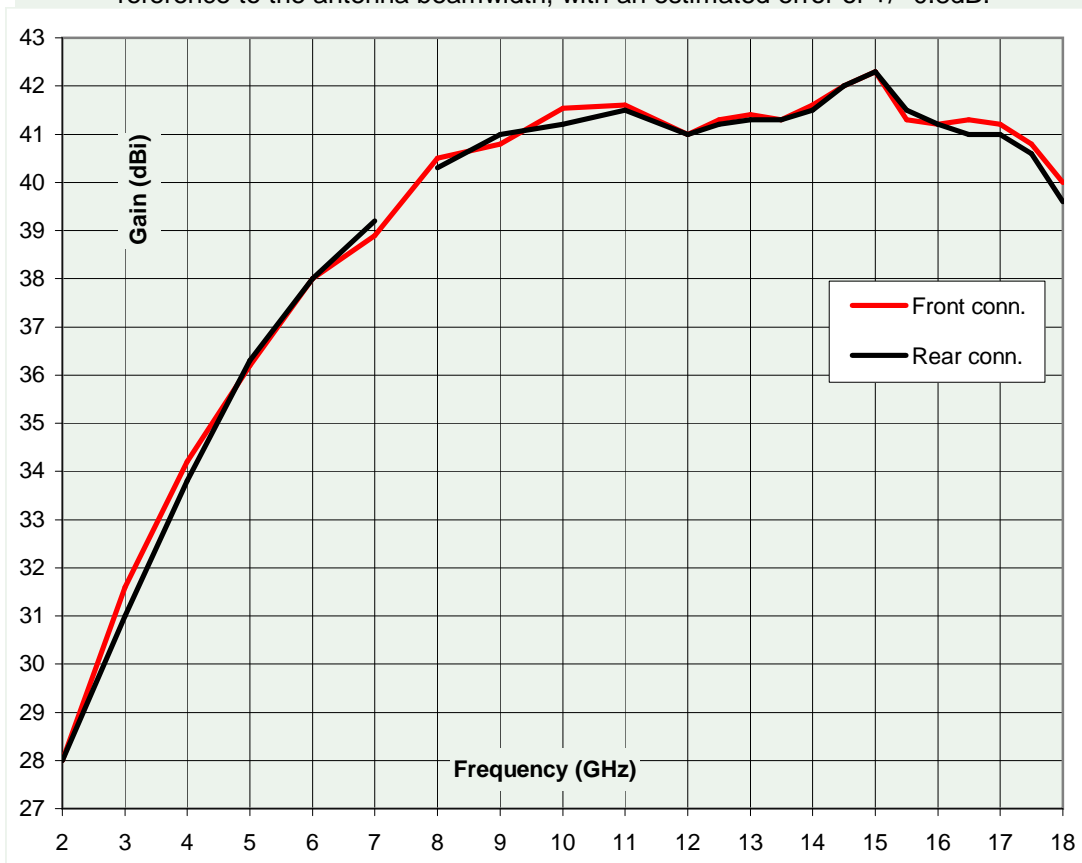
QMS-00300_A

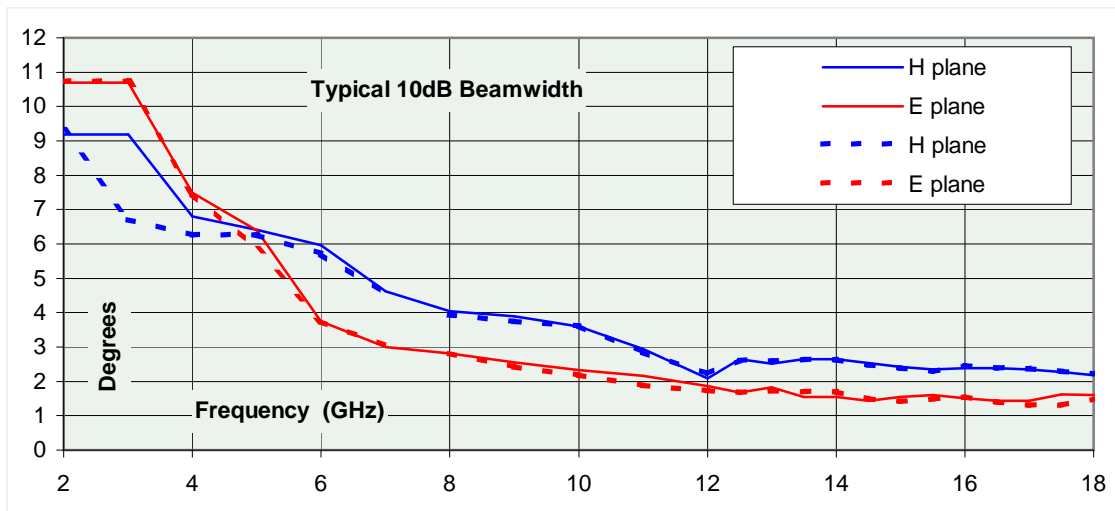
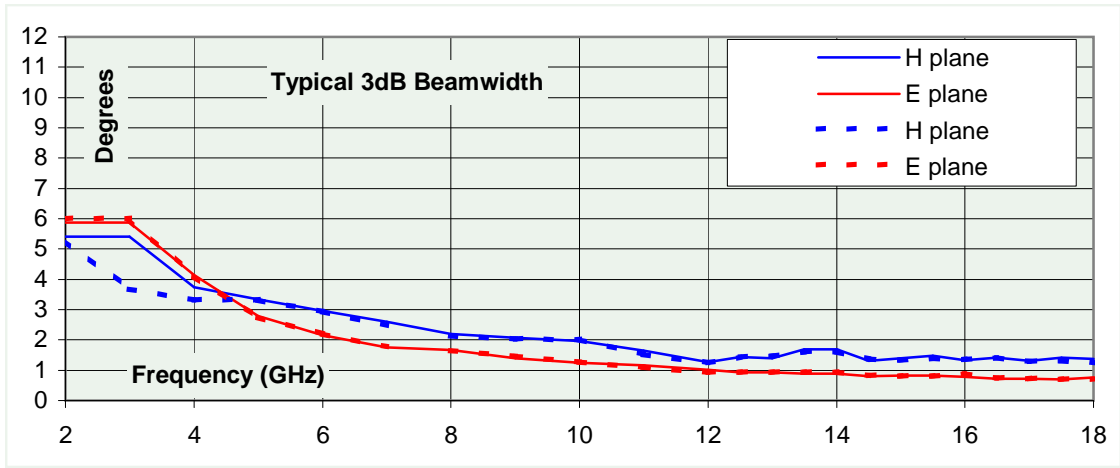
Typical Specification

Frequency	2 to 18 GHz
Connector type	2 x SMA type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 2.5:1
Gain	28 to 42 dBi
Isolation	<-20 dB
3dB Beamwidth	0.7 to 6.0 degrees
10dB Beamwidth	1.3 to 10.7 degrees
Weight	25 kg nominal
Focal Length	755 mm
F/D	0.42
Size- max.	Reflector diameter 1846 mm nominal
Mounting	See drawing QMS-00300
Construction	Spun aluminium reflector. Powdercoat finish.

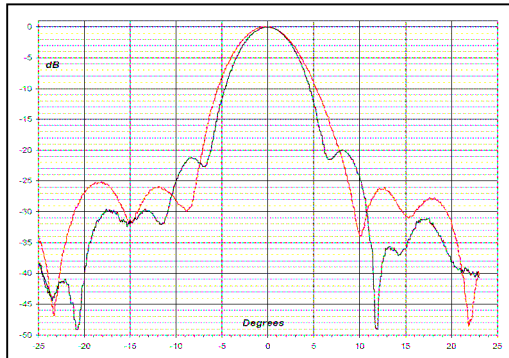
Typical Antenna Gain

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

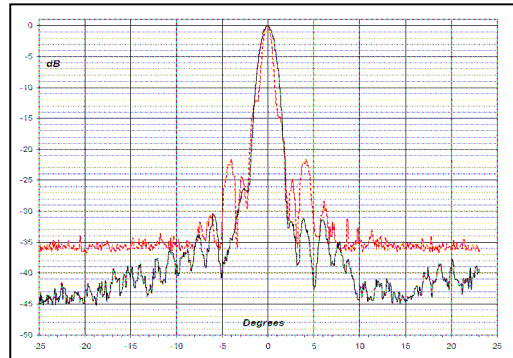




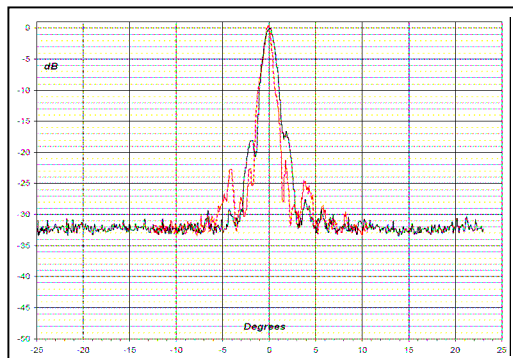
2 GHz



12 GHz



18 GHz



* Red trace = E-plane, Black trace = H-plane cut