

Antennas

Category	Band	Min. freq. (GHz)	Max. freq. (GHz)	Equipment Manufacturer	Part Number	Gain (dB)	Waveguide	Etc.	Quantity	Received
Standard Gain Horn Antennas	C	5.85	8.2	A H Systems	SAS-584	14.8	WR-137		1**	
	X	8.2	12.4	Dorado	GH-90-20	20	WR-90		2	March/2006
	Ku	12.4	18	Dorado	GH-62-20	20	WR-62		2	March/2006
	K	18	26.5	Dorado	GH-42-20	20	WR-42		1	
				ATM	42-441-6	15	WR-42		1	
				ATM	42-440-6	10	WR-42		1	
	Ka	26.5	40	Dorado	GH-28-20	20	WR-28		2	March/2006
	U	40	60	Dorado	GH-19-20	20	WR-19		2	Dec/2006
	V	50	75	CMI	HO15R	24	WR-15	rectangular	2	Nov-08
	E	60	90	CMI	HO12R	24	WR-12	pyramid	2	April/2008
				CMI	RCHO12R	22	WR-12	conical	1	April/2008
				CMI	HO10R	24	WR-10	pyramid	2	April/2008
	W	75	110	CMI	RCHO10R	22	WR-10	conical	1	April/2008
D	110	170	CMI	HO6R	24	WR-6	pyramid	2	April/2008	
Wideband Antennas		1	12	Dorado	GH1-12N	8-12	N connector	Double ridge	2*	Aug/2006

Dorado : Dorado microwave international
ATM: Advanced Technical Materials, Inc.

*: One of them looks defective
** WR137 to N-type transition installed

Antenna Measurements

Category	Equipment Manufacturer	Part number	Description	Quantity	Received
Rotation Stage	Newmark Systems	RM-5-M23	1-axis (Azimuthal) positioner (In the chamber)	1	Dec/2005
Rotation Stage	Newmark Systems	GM-12-33, RM-3-10	3-axis positioner (Out of the chamber)	1	July/2008
Rotation Stage	Newmark Systems	GM-6-MP, RT-3-10	3-axis positioner (In the chamber)	1*	Nov/2008
Controller	Newmark Systems	NSC-IS	1-axis controller	1	Dec/2005
Controller	Newmark Systems	NSC-M2	2-axis controller (Labeled NEWMARK2)	1	Nov/2008
Controller	Newmark Systems	NSC-M3	3-axis controller (Labeled NEWMARK1)	1**	July/2008

Azimuthal stage is not tight enough. It moves freely a little bit. Needs to be repaired.
Sends consistent but scaled angle information

Updated: 11/01/2012 Ozan, Bilgehan