JONSA®

Your Partner of OEM/ODM Communication Solution.

www.jonsa.com.tw

About JONSA

Jonsa Technologies Co., LTD. which was established in 1989 is located at Nantou city in Taiwan. Today, Jonsa's factory occupies 28,165㎡, which is well known for its unique production capacity of producing over 1,000,000 sets of satellite antennas each month. Jonsa has recognized the importance of researching, building and achieving the technology of the future. Jonsa's business territory became bigger and bigger within pass 20 years and had exported more than 11 million sets antenna all over the world in 2010. Thus, it became everyone's main goal to strive towards at Jonsa.

Jonsa has been accepted as the primary vendor of over 100 countries around the world. We believe that our superb products combined with excellent service and prompt delivery time, as well as strict quality control systems (ISO 9001,ISO14001 approved).

Jonsa strongly believes in R&D achievements, and our teams of trained Technicians and Engineers have dedicated themselves to create a wide range of new and innovative products in order to meet every customer's requirements. Jonsa agrees with the dedication and commitment whole-heartedly. Thus, we invest a substantial amount of our revenues yearly in funding advanced facilities and R&D. We believe this funding is vitally important and is a major step in constantly striving to achieve our goals.

Jonsa would like to take this opportunity to welcome you to be a partner of our worldwide growing customer base, and we encourage you to inquire about our a variety of specialized products. Our highly skilled Customer Service Representatives would be delighted to assist you with any questions you may have or any information you may require.

Plant 1

Company History

1988：Established with a 500 square meter, factory majority for C-band 1.2m dish.
1991：Factory extended to 1650 square meter;
Manufacture 60cm Ku-band dish and Export.
1992：Factory extended to 4000 square meter, to extend 27 kinds of products as new lineup.
1998：Factory move to current location with large operation.
1999：ISO 9001 Certificated. Award of Taiwan's Excellent Product OEM for BskyB.
2000：Multi-beam antenna OEM projects: U.K., U.S.A, Japan;
Award of Raising Star by Taiwan Economic Ministry.
2001：CCES (China Commission for Quality Certification of Equipment) Certificated.
2002：ISO 9002 certificated (China Factory).
2003：Delivery 3 Beam dishes to U.S.A; ISO 9001 certificated.
2005：Launch VSAT products.
2006：Launch Ku, Ka-band multi-beam dishes;
ISO 14001 & ISO 9001 Certificated in October.
2007：Capital increase to 300 million & Manufactured of 8 million dishes.
2008：To build new Plant 3, to expand total factory area up to 8500m² and the capital is increase to 480 million, then won the prize of industrial excellence award thereafter.
2009：To obtain DishHD OEM order from Echostar Asia.
2010：Plant 3 starting MP in Q2.
2011：ISO 9001:2008 & ISO14001 Certificated in October.
2013：TOSHMS/CNS15506 Certificated
2014：Accredited by AEO ("Authorized Economic Operator"), in which was mutually recognized by C-TPAT ("Customs - Trade Partnership Against Terrorism") for the program of its trade safety partnership.

ISO14001 : 2004
ISO9001 : 2008

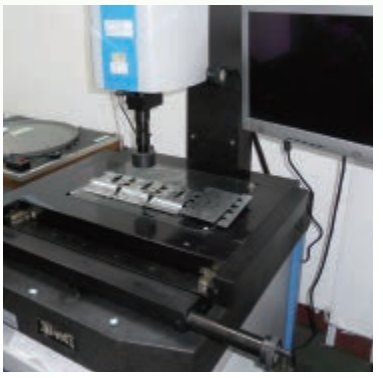
Your Partner of OEM/ODM Communication Solution.

Painting / Hydraulic Press/ Plastic Injection

Quality Assurance

Computerized Measuring Machine

Automatic laser RMS precision inspector



Optical Vision Measuring

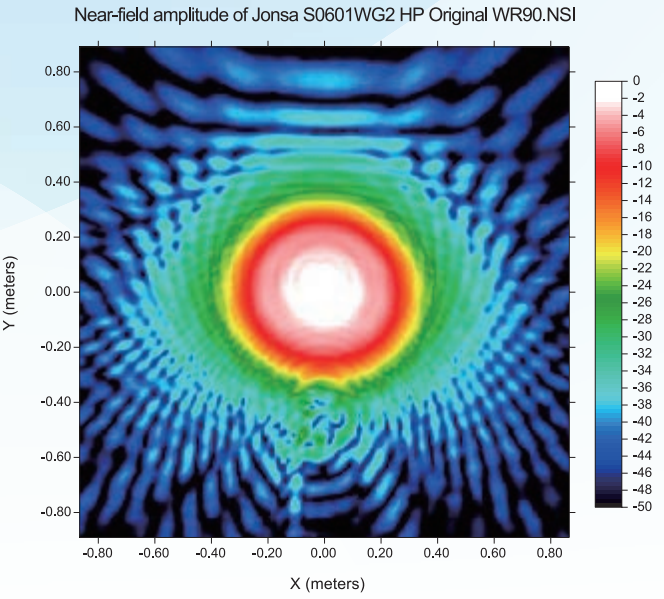
Compression Tester

Environment Tester

UV-Aging Tester

X-ray Tester

CNC Machinery

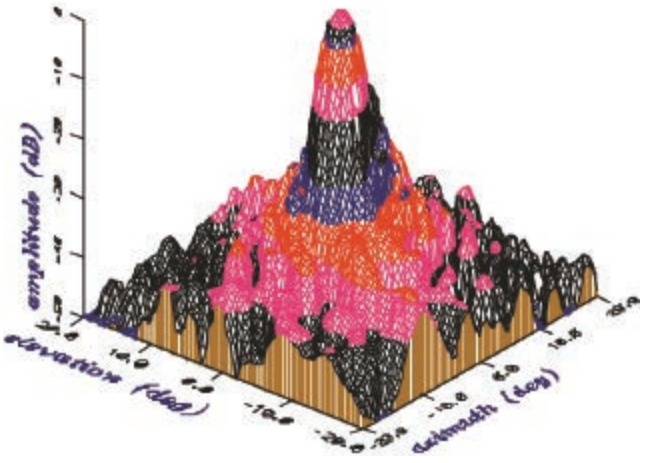


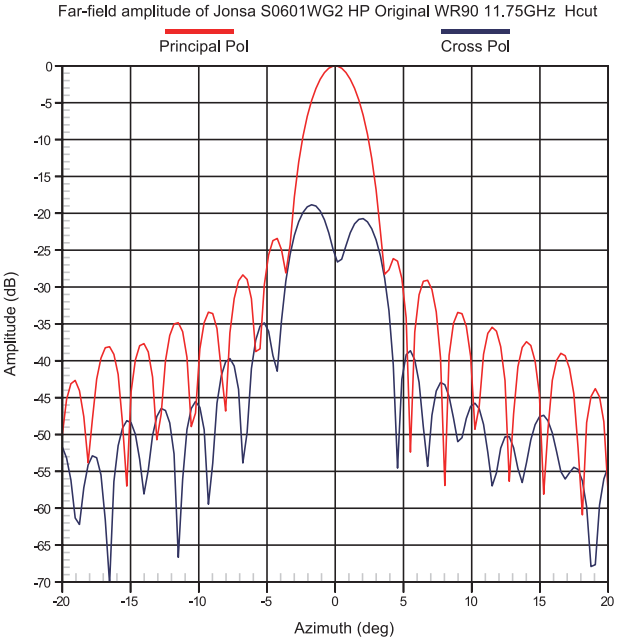
Tooling development:

Higher precision tooling and rapid tools developing, in which are make DTH antenna first trial run can be ranged within 60~70 days and VSAT is 90 days.

Production capacity:

We utilizing synergetic sourcing to create a competition, which are between Taiwan factory and sister factory in Nanjing, China, the production capacity can be accumulated as of 1,000,000 sets per month.





Product Introduction

※Aluminum & Perforated Dish are available for customized order.

Item & Spec.	S035	S040	S045	S046	S050	S055	S060	S065
Offset Angle	24.62	24.62	24.62	24.62	22.69	24.62	22.75	24.62
Effective Physical Size (cm)	W35xH38	W40xH44	W45xH50	W46xH51	W50xH54	W55xH60	W60xH64	W64xH71
Focus Length (mm)	210	240	270	277	307.8	330	393	390
S-band Gain @ 2.5GHZ	-	-	-	-	-	-	-	-
C-band Gain @ 4.0GHZ	-	-	-	-	-	-	-	-
Ku-band Gain @ 12.5GHZ	31.79dB	33.12dB	34.23dB	34.5dB	34.96dB	35.8dB	36.67dB	36.9dB
Elevation	-10°~70°/10°~90°	10°~90°	0°~70°/10°~80°	20°~75°	0°~70°/10°~90°	10°~80°/0°~90°	10°~80°/0°~90°	0°~90°
Azimuth	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°
Aperture Efficiency	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)
F/D Ratio	0.6	0.6	0.6	0.6	0.62	0.6	0.65	0.6
Finishing (Polyester Powder)	v	v	v	v	v	v	v	v
Color (Gray/Cool Gray)	v	v	v	v	v	v	v	v
Standard Mount	G/W/M	W	G/W	G/W	G/W	G/W	G/W	G/W
Pole diameter Acceptable (mm)	25~38	25~38	32~42	32~42	32~42	32~42	32~42	32~42
Ambient Temperature	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%

	S075	S080	S085	S090	S100	S110	S120	S150	S180
	22.75	24.62	24.62	24.62	24.62	22.62	24.62	24.62	17.35
	W75xH81	W80xH86	W85xH94	W90xH99	W100xH108	W110xH119	W120xH131	W150xH165	W180xH186
	492	480	510	540	600	660	720	900	1422
	25.7dB	25.97dB	-	-	26.8dB	-	-	-	-
	-	-	-	-	-	-	32.78dB	34.72dB	-
	38.63dB	38.96dB	39.6dB	40.1dB	40.9dB	41.6dB	42.5dB	44.49dB	45.9dB
	15°~75°/10°~80°/0°~90°	10°~80°/0°~90°	15°~75°/10°~80°/0°~90°	10°~80°/0°~90°	10°~80°/0°~90°	0°~90°	25°~75°/0°~90°	0°~90°	0°~90°
	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°
	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)
	0.65	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8
	v	v	v	v	v	v	v	v	v
	v	v	v	v	v	v	v	v	v
	G/P/W	G/W	G/P/W	G/P/W	G/P/W	P/W	G/P/W	G/P/W	P/W
	38~50	38~50	42~50	42~60	45~60	45~60	50~76	60~76	76~101
	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C
	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%

Product Introduction

Technical Specification for VSAT Reflector Antenna

Item & Spec.	E85V	
Effective Physical Size (cm)	W99XH75	
Focus Length (mm)	722	
Ku-Band	TX	RX
Operation Frequency	13.75 ~ 14.5 GHz	10.7 ~ 12.75 GHz
Ku-Band Gain (midband)	40.4 dB @ 14 GHz	38.8 dB @ 12.45 GHz
3dB Beamwidth	1.5 ° Max.	1.8° Max.
Ka-Band	TX	RX
Operation Frequency	27.5 ~ 31 GHz	18.2 ~ 21.2 GHz
Ku-Band Gain (midband)	47.35 dB @ 29.75 GHz	43.85 dB @ 19.95 GHz
3dB Beamwidth	0.9 ° Max.	1.28° Max.
TX/RX Sidelobe Level (Ku-Band)	29-25 log θ	2.3° < θ< 20°
	-3.5	20° < θ< 26.3°
	32-25 log θ	26.3° < θ < 48°
	-10	48°< θ
Cross Polarization on Axis	30 dB	25 dB
EL	0°~90°	
AZ	0°~360°	
Skew Rotation	v	
Aperture Efficiency	75% Min.	
F/D Ratio	0.85	
Pole diameter Acceptable (mm)	60	
Ambient Temperature	-40°C~+60°C	
Relative Humidity	0~100%	

Product Introduction

Technical Specification for Elliptical Reflector Antenna

Item & Spec.	E43	E50	E59	E66	E69	E70
Effective Physical Size (cm)	W51xH38	W57xH46	W69xH57	W86xH52	W85xH60	W76xH64
Focus Length (mm)	257	304	320	561	525	440
Ku-band Gain @ 12.5GHZ	33.07 dB	34.6dB	35.8dB	37.3 dB	37.9 dB	37.5dB
Multi-beam Spacing	+/- 7°	+/- 10°	+/- 7°	+/- 7°	+/- 10°	+/- 14°
Elevation	10°~40°	10°~65°	10°~80°	10°~80°	10°~65°	10°~65°
Azimuth	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°
Skew Rotation	-	+40°~+140°	-	+30°~+150°	+30°~+150°	+35°~+145°
Aperture Efficiency	75% Min.	75% Min.	75% Min.	75% Min.	75% Min.	75% Min.
F/D Ratio	0.58	0.6	0.53	0.85	0.75	0.65
Finishing (Polyester Powder)	v	v	v	v	v	v
Color (Gray/Cool Gray)	v	v	v	v	v	v
Standard Mount	v	v	v	v	v	v
Adjustment Type Az/El	v	v	v	v	v	v
Pole diameter Acceptable (mm)	25~42	32~42	32~42	45~60	45~60	45~60
Ambient Temperature	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%

V98		V120		V180	
W99XH99		W122XH118		W186XH178	
881		1080		1422	
TX	RX	TX	RX	TX	RX
13.75 ~ 14.5 GHz	10.7 ~ 12.75 GHz	13.75 ~ 14.5 GHz	10.7 ~ 12.75 GHz	13.75 ~ 14.5 GHz	10.7 ~ 12.75 GHz
42.12 dB @ 14 GHz	41.12 dB @ 12.45 GHz	43.0 dB @ 14 GHz	42.07 dB @ 12.45 GHz	46.9 dB @ 14 GHz	45.76 dB @ 12.45 GHz
1.6 ° Max.	1.85° Max.	1.0 ° Max.	1.1° Max.	0.8 ° Max.	0.9° Max.
TX	RX	TX	RX	TX	RX
27.5 ~ 31 GHz	18.2 ~ 21.2 GHz	27.5 ~ 31 GHz	18.2 ~ 21.2 GHz	27.5 ~ 31 GHz	18.2 ~ 21.2 GHz
48.67 dB @ 29.75 GHz	45.24 dB @ 19.95 GHz	50.27 dB @ 29.75 GHz	46.83 dB @ 19.95 GHz	53.9 dB @ 29.75 GHz	50.43 dB @ 19.95 GHz
0.62° Max.	0.98° Max.	0.6° Max.	0.83° Max.	0.4° Max.	0.6° Max.
29-25 log θ	2° < θ< 20°	29-25 log θ	2° < θ< 20°	29-25 log θ	2° < θ< 20°
-3.5	20° < θ< 26.3°	-3.5	20° < θ< 26.3°	-3.5	20° < θ< 26.3°
32-25 log θ	26.3° < θ < 48°	32-25 log θ	26.3° < θ < 48°	32-25 log θ	26.3° < θ < 48°
-10	48°< θ	-10	48°< θ	-10	48°< θ
30 dB	25 dB	30 dB	25 dB	30 dB	25 dB
0°~90°		0°~90°		0°~90°	
0°~360°		0°~360°		0°~360°	
-		-		-	
75% Min.		75% Min.		75% Min.	
0.9		0.91		0.8	
60~76		60~76		76~101	
-40°C~+60°C		-40°C~+60°C		-40°C~+60°C	
0~100%		0~100%		0~100%	

E84	E85
W91xH76	W99xH75
566	722.5
38.65dB	38.80dB
+/- 20°	+/- 20°
10°~65°	0°~90°
0°~360°	0°~360°
+35°~+145°	+35°~+145°
75% Min.	75% Min.
0.7	0.85
v	v
v	v
v	v
v	v
45~60	45~60
-40°C~+60°C	-40°C~+60°C
0~100%	0~100%

Product Introduction

Technical Specification for Prime Reflector Antenna

Item & Spec.	P0901	P1206	P1201	P1356	P1501	P1506	P1651
Panel (Sector Divided)	1	6	1	6	1	6	1
Effective Physical Size (cm)	90	120	120	135	150	150	165
Focus Length (mm)	400	456	456	513	570	570	627
C-band Gain @ 4.0GHZ	31.7dB	32.7dB	32.7dB	33.7dB	34.81dB	34.81dB	35.53dB
Ku-band Gain @ 12.5GHZ	39.6dB	42.7dB	42.7dB	43.7dB	44.66dB	44.66dB	45.08dB
Elevation	39°~57°/0°~90°	20°~70°/0°~90°	20°~70°/0°~90°	0°~90°	20°~62°/0°~90°	0°~90°	20°~70°/0°~90°
Azimuth	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°
Aperture Efficiency	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)
F/D Ratio	0.45	0.38	0.38	0.38	0.38	0.38	0.38
Finishing (Polyester Powder)	v	v	v	v	v	v	v
Color (Gray/Cool Gray)	v	v	v	v	v	v	v
Standard Mount	G/W	R	G/P/W	R	G/W/P	G/W/P	G/P/W
Pole diameter Acceptable (mm)	-	-	45~76	-	60~76	50~76	60
Ambient Temperature (C)	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%

P1656	P1801	P1806	P2406	P3209	P420A
6	1	6	6	9	10
165	180	180	240	320	420
627	684	684	912	1120	1470
35.53dB	36.36dB	36.36dB	38.9dB	41.3dB	43.6dB
45.08dB	46.19dB	46.19dB	48.7dB	51.1dB	53.5dB
0°~90°	15°~60°/0°~90°	0°~90°	0°~90°	15°~70°	10°~85°
0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°
75% (min)	75% (min)	75% (min)	75% (min)	75% (min)	75% (min)
0.38	0.38	0.38	0.38	0.35	0.35
v	v	v	v	v	v
v	v	v	v	v	v
W/P/R	P/W/R	P/W/R	D/P/W/R	G	G
60~76	60~76	76	76	-	-
-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C	-40°~+60°C
0~100%	0~100%	0~100%	0~100%	0~100%	0~100%

FEED-HORN

Ku-Band VSAT Feed Horn

for Offset Reflector
Material: Aluminum
Frequency Range: 10.70~12.75GHz
13.75~14.50GHz
F/D Ratio: 0.7~0.9
VSWR: 1.3:1.0
Cross Polarity Isolation: 25dB Min
Temperature Range: -40°C~60°C
Output Port: C120 Flange
Weight: 0.156kg

Single C-Band Feed Horn

for Prime Reflector
Material: Aluminum
Frequency Range: 3.4~4.2GHz
F/D Ratio: 0.30~0.45
VSWR: 1.2:1.0
Cross Polarity Isolation: 29dB Min
Temperature Range: -40°C~60°C
Output Port: WR229 compatible
Weight: 0.8kg

C-Band Feed Horn

for offset Reflector
Material: Aluminum
Frequency Range: 3.4~4.2GHz
F/D Ratio: 0.5~0.7
VSWR: 1.4:1.0
Cross Polarity Isolation: 35dB Min
Temperature Range: -40°C~60°C
Output Port: WR229 compatible
Weight: 1.0kg

Ku-Band Feed Horn

for Prime Reflector
Material: Aluminum
Frequency Range: 10.70~12.75GHz
F/D Ratio: 0.30~0.45
VSWR: 1.3:1.0
Cross Polarity Isolation: 25dB Min
Temperature Range: -40°C~60°C
Output Port: WR75 compatible
Weight: 0.1kg

C to Ku Band Feed Horn Bracket

ϕ 23mm、ϕ 40mm、ϕ 60mm





DIRECT-TO-HOME ANTENNAS

FEATURES

- Using professionally designed software and precisely engineered reflectors with CAD/CAM for processing.
- Exceptional wind load resistance with a strong dish supporting structure.
- Antennas are recommended to be manufactured from galvanised steel and finished with a powder coating for superior corrosion resistance.
- All hardware accessories are recommended to have JS anti-corrosion finish for a longer life span.
- Adjustable EL/AZ mounting bracket to suit various sizes of mounting poles.
- Designed for a simple and stress-free installation.
- Custom design on product and packaging available.

Model No.	S045	S060	S075	S090	S100	S110	S120	S150
Effective Physical Size (cm)	45(W)x50(H)	60(W)x65(H)	75(W)x81(H)	90(W)x99(H)	100(W)x108(H)	110(W)x119(H)	120(W)x131(H)	150(W)x165(H)
Ku-band Gain @ 12.5 GHz	34.23 dB	36.67 dB	38.63 dB	40.1 dB	40.9 dB	41.6 dB	42.5 dB	44.49 dB
Elevation	10°~90°	10°~90°	10°~90°	10°~90°	0°~90°	0°~90°	10°~90°	10°~80°
Azimuth	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°	0°~360°
Acceptable Pole Diameter (mm)	32~42	32~42	38~50	42~60	45~60	45~60	50~76	60~76

WISP ANTENNA

FEATURES

- Compatible up to 5.8 GHz.
- Extended transmitted distance of up to 16 Km.
- Up to 10 Mbps connectivity via Access Point delivery.
- Maximum 500 mW wireless power.
- Manageable software interface tool.
- Using professionally designed software and precisely engineered reflectors with CAD/CAM for processing.
- Exceptional wind load resistance with strong dish supporting structure.
- Antennas are recommended to be manufactured from galvanised steel and finished with a powder coating for superior corrosion resistance.
- All hardware accessories are recommended to have JS anti-corrosion finish for a longer life span.
- Adjustable EL/AZ mounting bracket to suit various sizes of mounting poles.
- Designed for a simple and stress-free installation.
- Custom design on product and packaging available.

Applications :

- Outdoor CPE
- Wireless Internet Service Provider (WISP)
- Outdoor WiFi

College Campus
Business Parks
Small Towns & Rural Areas
Building to Building (PTP)
Security
Mining
And more…

Model No.	WISP 35	WISP 45
Effective Physical Size (cm)	35(W)x38.5(H)	45(W)x49.5(H)
Reflector Gain @ 5.8 GHz	22 dB	24.5 dB
Elevation	-30°~30°	-30°~30°
Acceptable Pole Diameter (mm)	32~42	32~42

JONSA®

The World's Leading Original Equipment and Design Manufacturer of Communication Antennas

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JONSA Technologies Co., LTD.
No. 206 Cheng-Kung 3 Rd., Nan Kang Industrial Park Nantou,Taiwan
Tel : 886-49-2260666 Fax : 886-49-2260675
E-mail : saccount@jonsa.com.tw

RoHS compliant

JONSA®

Your Partner of OEM/ODM Communication Solution.

JONSA®

Headquarter & Plant :
No. 206 Cheng-Kung 3 Rd., Nan Kang Industrial Park Nantou,Taiwan
Tel : 886-49-2260666 Fax : 886-49-2260675
E-mail : saccount@jonsa.com.tw
Web Site : http://www.jonsa.com.tw

China Plant :
No. 8 Dong Chun Rd., Jiangning Economy & Technical
Development Zone, Nanjing, China .
Tel : 86-25-52108888 Fax : 86-25-52106666

Established：1988
Capital：US $ 15,600,000 (Taiwan), US $ 10,000,000 (China)
Work Force：400 (Taiwan), 600 (China)
Production Capacity：1,000,000 sets of Satellite Antennas monthly
Mainly Business：Satellite Antenna, TVRO System.

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