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## 5.3/5.8GHz Subscriber

Antenna P/N		MT-483010/S	MT-485005/VHN	MT-485001	MT-485028/N
Type		Subscriber	Subscriber	Subscriber	Subscriber
<b>Electrical</b>					
Frequency Band	GHz	4.9-5.875	5.25-5.875	5.15-5.875	5.15-5.875
Gain	dBi (Min)	13	18	18	22
Polarization		Vertical	Dual V+H	Linear V/H	Linear V/H
Port to Port Isolation	dB (Min)		30	-	-
AZ/EL BW	Degree	75/18	17/17	18/18	9/9
ETSI		N/A	TS3	-	TS3
Sidelobe Level	dB (Max)	-12	-12	-12	TS3
Cross Polarization Level	dB (Max)	-	-20	-23	TS3
Front to Back Ratio	dB (Max)	-20	-30	-35	-35
VSWR 50 Ohm		1.5:1	1.7:1	1.7:1	1.7:1
Maximum Input Power	Watt	6	6	6	6
Additional Features		Indoor Antenna	Dual Pol.	Broadband	Broadband
					Low Cost
<b>Mechanical</b>					
Size	mm	325x92x15	190x190x30	190x190x30	305x305x15
Weight	Kg (Max)	0.6	0.7	0.7	1.5
Connector		SMA Female	2 x N-Type F	N-Type F	N-Type F
Mounting Kit		Stand Alone	MT-120018/A	MT-120018/A	MT-120018

### Environmental

Temperature Range	-45 to +70 degree per IEC 68
Vibration	Random 4M3 per IEC 60721
Mechanical Shock	4M3 per IEC 60721
Humidity	95% per ETSI EN300
Water Tightness	Per IEC 529 IP67 (IP52 for some BTS antennas)
Salt Spray	500 hours per IEC 68
Solar Radiation	1000 hours per ASTM G53
Ice and Snow	25mm Radial
Wind Speed	160 Kmph Operation/220 Kmph Survival
Flammability	UL-94HB (excluding MT-465005/N, MT-485028/N)

### Key Features

- High-Quality L
- Lightweight ar
- Low profile
- Environmenta
- Various polari
- Various config
- standalone, inte
- Narrow and b
- Meets ETSI e
- requirements
- Very aesthetic

### Notes

All specifications are subject to change without notice  
 Preliminary specs are for antennas under development  
 Upon request MTI may provide the complete spec controlled document for specific antenna

# per Antennas

Last Update: 9/1/2006

MT-485034/N Subscriber	MT-485002 Subscriber	MT-485025/NVH Subscriber	MT-486004/N Subscriber	MT-20004 Subscriber	MT-486001 Subscriber	MT-486009 Subscriber
Preliminary						Preliminary
5.25-5.875	5.15-5.875	5.15-5.875	5.15-5.875	5.725-5.875	5.15-5.875	5.15-6
23	23	23	26	28	28	28
Linear V/H	Linear V/H	Dual V+H	Linear V/H	Linear V/H	Linear V/H	Linear V/H
-	-	40	-	-	-	-
10/10	9/9	9/9	6/6	4.5/4.5	4.5/4.5	4.5/4.5
-	TS3	TS3	TS1-TS5	TS1-TS5	TS1-TS5	TS1-TS5
-20	TS3	TS3	TS1-TS5	TS1-TS5	TS1-TS5	TS1-TS5
-20	-28	TS3	-20	-28	-28	TS1-TS5
-35	-32	-35	-30	-40	-40	-40
1.7:1	1.7:1	1.7:1	1.7:1	1.7:1	1.7:1	1.7:1
10	6	6	6	6	6	6
Diamond shape	Broadband High Grade	Dual Pol.	Broadband	ISM Only	Broad Band	Broad Band
305x305x15	305x305x25	371x371x40	450x450x30	600x600x50	600x600x50	600x600x50
1.2	1.5	2.5	3	5	5	5
N-Type F	N-Type F	2 x N-Type F	N-Type F	N-Type F	N-Type F	N-Type F
MT-120018	MT-120018	MT-120018	MT-120018	MT-120019	MT-120019	MT-120019

## Benefits

Low-Cost  
Antenna with easy installation

Weather friendly  
Installation  
Options such as  
Exterior or internal  
Broadband  
Electrical and environmental

Compact look

- Provides High performance Low Cost subscriber
- Reduces the cost of installation
- Maintains real estate aesthetic look and value
- Generates low wind load