Your wireless connectivity solution

700MHz Antennas

FBWA

Antenna P/N		GW-222005/	GW-223005/N	GW-223003/N	GW-223006/ NV	GW-223002/NV
Type		Subscriber	Subscriber	Subscriber	Base Station	Base Station
Electrical						
Frequency Band	MHz	698-746	746-777	698-746	698-746	698-746
Gain	dBi (Min)	**8**	**9.5**	**10.5**	13.5	12 -/+0.5
Polarization		Linear V/H	Linear V/H	Linear V/H	**Vertical**	**Vertical**
AZ/EL BW	Degree	60/60	42/55	45/55	**90**/13	**120**/14
ETSI		N/A		N/A	N/A	N/A
Sidelobe Level	dB (Max)	-	-	-	-	-
Cross Polarization Level	dB (Max)	-20	-26	-32(AZ) / -26(EL)	-22	-20
Front to Back Ratio	dB (Max)	-20	-25	-22	-20	-20
VSWR 50 Ohm		2:1	2:1	2:1	1.7:1	1.7:1
Max Input Power	Watt	6	6	6	20	20
Additional Features		Available with 75 OHM F-Type				
Mechanical						
Size	mm	305x305x25	450x450x30	450x450x30	1620x300x115	1550x510x145
Weight	Kg (Max)	1.2	3	3	8	8
Connector		N-Type Female	N-Type Female	N-Type Female	N-Type Female	N-Type Female
Mounting Kit		GW-120018	GW-120018	GW-120018	GW-120021	GW-120021

Last Update: 01/05/2008

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

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

Key Features

- y High-Quality Low-Cost
- y Lightweight antenna with easy installation
- y Low profile
- y Environmental friendly
- y Various polarities
- y Various configurations such as standalone, integrated or internal component
- y Narrow and broad band
- y Meets ETSI electrical and environmental requirements
- y Very aesthetic look

Benefits

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

GlobalWave
TECHNOLOGIES PVT. LTD.
17/SDF, 4thFloor
Special Economic Zone
Kakkanad, Cochin -682037, India
Ph : + 91 - 484 - 2413344
Fax : + 91 - 484 - 2413355
E-mail: sales@globalwavetechnologies.com
info@globalwavetechnologies.com