

10.5GHz Antennas

Antenna P/N		GW-30021/B	GW-9010	GW-565002/NV	GW-565002/NH	GW-30042/N	GW-564004/NH	GW-9001/A	GW-9002/A
Type		Subscriber	Subscriber	Base Station	Base Station	Base Station	Base Station	Base Station	Base Station
Electrical									
Frequency Band	GHz	10.15-10.65	10.15-10.65	10.15-10.65	10.15-10.65	10.15-10.65	10.15-10.65	10.15-10.65	10.15-10.65
Gain	dBi (Min)	25	25	17	17	16	15	10	10
Gain Flatness	dB	-	-	-	-	-	3	5 @ 90 deg	7 @ 90 deg
Polarization		Linear V/H	Linear V/H	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal
AZ/EL BW	Degree	8/8	8/8	62/6	60/8	90/4.5	90/6	90/7	90/8
ETSI		TS3	TS3	CS3	CS3	CS3	CS3	CS3	CS3
Sidelobe Level	dB (Max)	TS3	TS3	-15	CS3	CS3	CS3	CS3	CS3
Cross Polarization Level	dB (Max)	-28	-28	-25	CS3	CS3	CS3	-23	-23
Front to Back Ratio	dB (Max)	-40	-36	-44	-40	CS3	-30	-34	-34
VSWR 50 Ohm		1.7:1	2:1	1.7:1	1.5:1	1.7:1	1.7:1	2:1	2:1
Maximum Input Power	Watt	6	6	6	6	6	6	6	6
Additional Features		Low Cost	Diamond Shape			High Grade		Low Cost	Low Cost
Mechanical									
Size	mm	261x261x13.5	254x254x25	300x200x6	200x200x6	360x265x20	240x200x15	254x254x25	254x254x25
Weight	Kg (Max)	1	1.6	1	0.7	1.2	1	1.5	1.5
Connector		SMA Female	SMA Female	N-Type Female	N-Type Female	N-Type Female	N-Type Female	SMA Female	SMA Female
Mounting Kit		GW-120018	GW-120018/A	GW-120018/A	GW-120018/A	GW-120019	GW-120018/A	GW-120019	GW-120019

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

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