



SPECIAL ANTENNAS: HPWB - HPUWB

High Performance Wide Band Antennas High Performance Ultra Wide Band Antennas

High Performance Wide Band antennas and High Performance Ultra Wide Band antennas have been developed in order to help all our Customers that need to increase the link capacity but cannot add a new pair of antennas, for instance where there is not enough space on the towers. In those cases, in fact, our “standard narrow band” feeders, already installed, can be substituted by the new WB or UWB ones.

These new antennas are available in both single and dual polarization version, with diameters from 2.0m up to 3.7m.

Other feed systems and antennas, in different frequency ranges, can be designed under request. Please do not hesitate to contact us for further details.

ANTENNA HPWB XX-064 S/D

TYPE	Frequency range (GHz)	POL	Gain dBi min in the band			R.L (dB)	VSWR	HPBW (deg)	ISOL. (dB)	RPE ETSI 302 217	Antenna Input
			Low	Mid	Top						
HPWB 20-064 S	6.425-7.75	Sing	40.2	41.0	41.7	26.4	1.1	1.7	NA	Class 3	R-70
HPWB 20-064 D	6.425-7.75	Dual	40.0	40.8	41.5	26.4	1.1	1.7	40	Class 3	R-70
HPWB 24-064 S	6.425-7.75	Sing	41.8	42.6	43.3	26.4	1.1	1.3	NA	Class 3	R-70
HPWB 24-064 D	6.425-7.75	Dual	41.6	42.4	43.1	26.4	1.1	1.3	40	Class 3	R-70
HPWB 30-064 S	6.425-7.75	Sing	43.7	44.5	45.2	26.4	1.1	1.2	NA	Class 3	R-70
HPWB 30-064 D	6.425-7.75	Dual	43.5	44.3	45.0	26.4	1.1	1.2	40	Class 3	R-70
HPWB 37-064 S	6.425-7.75	Sing	45.3	46.1	46.9	26.4	1.1	0.9	NA	Class 3	R-70
HPWB 37-064 D	6.425-7.75	Dual	45.1	45.9	46.7	26.4	1.1	0.9	40	Class 3	R-70

ANTENNA HPUWB XX-107 S/D

TYPE	Frequency range (GHz)	POL	Gain dBi min in the band			R.L (dB)	VSWR	HPBW (deg)	ISOL. (dB)	RPE ETSI 302 217	Antenna Input
			Low	Mid	Top						
HPUWB 20-107 S	10.7-13.25	Sing	43.9	44.7	45.4	20.8	1.2	1	NA	Class 3	R-120
HPUWB 20-107 D	10.7-13.25	Dual	43.7	44.5	45.2	20.8	1.2	1	40	Class 3	R-120
HPUWB 24-107 S	10.7-13.25	Sing	45.5	46.3	47	20.8	1.2	0.8	NA	Class 3	R-120
HPUWB 24-107 D	10.7-13.25	Dual	45.3	46.1	46.8	20.8	1.2	0.8	40	Class 3	R-120
HPUWB 30-107 S	10.7-13.25	Sing	47.4	48.2	48.9	20.8	1.2	0.7	NA	Class 3	R-120
HPUWB 30-107 D	10.7-13.25	Dual	47.2	48	48.7	20.8	1.2	0.7	40	Class 3	R-120
HPUWB 37-107 S	10.7-13.25	Sing	49.3	49.7	50.8	20.8	1.2	0.45	NA	Class 3	R-120
HPUWB 37-107 D	10.7-13.25	Dual	49.1	49.5	50.6	20.8	1.2	0.45	40	Class 3	R-120