



SPECIAL ANTENNAS: HPDB

High Performance Dual Band Antennas

High Performance Dual Band Antennas belong to the line of antennas that are mainly designed to meet the requirements of saving space and reducing dynamic loads on the supporting tower by providing two or four ports on two different bands for single or dual polarization independent links .

The use of dual band single antennas allows also the achievement of frequency diversity operations.

ANTENNA HPDB XX-064/107 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						
HPBD 24-064/107 D	6.425-7.125	Dual	41.1	41.5	41.9	22.1	1.17	1.4	30	Class 3	R-70
	10.7-11.7	Dual	44.2	44.5	44.8	22.1	1.17	0.9	30	Class 3	R-100
HPBD 30-064/107 D	6.425-7.125	Dual	43.1	43.5	43.9	22.1	1.17	1.2	30	Class 3	R-70
	10.7-11.7	Dual	46.2	46.5	46.8	22.1	1.17	0.8	30	Class 3	R-100
HPBD 37-064/107 D	6.425-7.125	Dual	44.6	45.0	45.4	22.1	1.17	0.9	30	Class 3	R-70
	10.7-11.7	Dual	47.7	48.0	48.3	22.1	1.17	0.7	30	Class 3	R-100

ANTENNA HPDB XX-071/107 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						
HPBD 24-071/107 D	7.125-7.750	Dual	41.7	42.0	42.3	22.1	1.17	1.4	30	Class 3	R-70
	10.7-11.7	Dual	44.2	44.4	44.6	22.1	1.17	0.9	30	Class 3	R-100
HPBD 30-071/107 D	7.125-7.750	Dual	43.7	44.0	44.3	22.1	1.17	1.2	30	Class 3	R-70
	10.7-11.7	Dual	46.2	46.4	46.6	22.1	1.17	0.8	30	Class 3	R-100
HPBD 37-071/107 D	7.125-7.750	Dual	45.2	45.3	45.6	22.1	1.17	0.9	30	Class 3	R-70
	10.7-11.7	Dual	47.7	47.9	48.1	22.1	1.17	0.7	30	Class 3	R-100

ANTENNA HPDB XX-036/064 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						
HPBD 24-036/064 D	3.58-4.2	Dual	35.8	36.5	37.1	24.5	1.12	2.9	30	Class 3	R-48
	6.425-7.125	Dual	40.8	41.3	41.9	24.5	1.12	1.6	30	Class 3	R-70
HPBD 30-036/064 D	3.58-4.2	Dual	37.8	38.5	39.1	24.5	1.12	1.9	30	Class 3	R-48
	6.425-7.125	Dual	42.8	43.3	43.9	24.5	1.12	1.3	30	Class 3	R-70
HPBD 37-036/064 D	3.58-4.2	Dual	39.3	40.0	40.6	24.5	1.12	1.8	30	Class 3	R-48
	6.425-7.125	Dual	44.3	44.8	45.4	24.5	1.12	1.0	30	Class 3	R-70