

استاندارد
MCCI - 4003 - Ver 1.0

مشخصات فنی آنتن های BTS

خرداد ۱۳۸۵

مشخصات فنی آنتن های BTS

باند 900MHz

Parameter	Units	Vpol (65-7) 18dBi Mechanical Downtilt	X-pol (65-8) 17dBi Mechanical Downtilt	X-pol (65-8) 17dbi Electrical Downtilt	X-pol (65-14) 15dBi Mechanical Downtilt	X-pol (65-14) 15dBi Electrical Downtilt	V (120-8) 15dBi Mechanical Downtilt
Frequency Range:	(MHz)	870 - 960	870 - 960	870 - 960	870 - 960	870 - 960	870 - 960
Gain	dBi	18.0	17.0	17.0	15.0	15.0	15.0
Polarisation		Vertical	+45 / -45	+45 / -45	+45 / -45	+45 / -45	Vertical
Impedance	Ohms	50	50	50	50	50	50
VSWR		<1.3:1	<1.3:1	<1.3:1	<1.3:1	<1.3:1	<1.3:1
Beam width (H)	Deg.	65	65	65	65	65	120
Beam width (V)	Deg.	7	8	8	14	14	8
Electrical Downtilt	Deg.	0	0	4	0	6	0
Front to Back Ratio	dB	>25	>30	>30	>30	>30	>25
Intermodulation (IM3)	dBc	<-150	<-150	<-150	<-150	<-150	<-150
Max. Input Power (at 50° C)	Watts	500	2 X 600	2 X 600	2 X 600	2 X 600	500
Connector		7/16 F	2 X 7/16 F	2 X 7/16 F	2 X 7/16 F	2 X 7/16 F	7/16 F
Isolation	dB		> 30	> 30	> 30	> 30	
Max. wind survival	KPH	200	200	200	200	200	200
Connector Position		Bottom	Bottom	Bottom	Bottom	Bottom	Bottom
Mounting	Mechanical down tilt, with antennas tiltable option up to 10 deg.						

مشخصات فنی آنتن های BTS

باند 1800MHz

Parameter	Units	V-pol (65-7) 18dBi Mechanical Down tilt	V-pol (65-7) 18dBi 2 Electrical Down tilt	X-pol(65-7) 18dBi 2 Electrical Down tilt	X-pol (65-14) 15.5dBi 6 Electrical Down tilt	V-pol (65-55) 10 dBi Mechanical Down tilt
Frequency Range:	(MHz)	1710-1880	1710-1880	1710-1880	1710-1880	1710-1880
Gain	DBi	18.0	18.0	18	15.5	10
Polarization		Vertical	Vertical	X Polar	X Polar	Vertical
Impedance	Ohms	50	50	50	50	50
VSWR		<1.3:1	< 1.3	< 1.4	<1.5	< 1.3
Beam width (H)	Deg.	65	65	65	65	65
Beam width (V)	Deg.	7	7	7	14	55
Electrical Down tilt	Deg.	0	2	2	6	0
Front to Back Ratio	dB	>25	>25	>30	>30	>25
Inter modulation (IM3)	dBc	<-150	<-150	<-150	<-150	<-150
Max. Input Power (at 50° C)	Watts	500	200	200	200	200
Connector		7/16 F	7/16 F	7/16 F	7/16 F	7/16 F
Isolation	dB			>30	>30	
Max. wind survival	Kmph	200	200	200	200	200
Connector Position		Bottom	Bottom	Bottom	Bottom	Bottom
Mounting	Mechanical down tilt, with antennas tiltable option up to 10 deg.					

مشخصات فنی آنتن های BTS

باند 1800/900MHz

Parameter	Units	V-pol (65-7) 18dBi Mechanical Down tilt	X-pol (65-9.5) 17dBi Mechanical Down tilt	X-pol (65-14) 15dBi Mechanical Down tilt
Frequency Range:	(MHz)	870 - 960 / 1710-1880	870 - 960 / 1710-1880	870 - 960 / 1710-1880
Gain	DBi	18.0 / 19.0	17.0 / 18.0	15.0 / 16.5
Polarization		X-Polar	X-Polar	X-Polar
Impedance	Ohms	50	50	50
VSWR		<1.5	<1.5	<1.5
Beam width (H)	Deg.	65 / 60	65 / 60	65 / 60
Beam width (V)	Deg.	7 / 4	9.5 / 5.5	14 / 8
Electrical Down tilt	Deg.	0	0	0
Front to Back Ratio	dB	>30	>30	>30
Intermediation (IM3)	dBc	<-150	<-150	<-150
Max. Input Power (at 50° C)	Watts	250 / 150	250 / 150	150 / 150
Connector		7/16 F	7/16 F	7/16 F
Isolation	dB	>30	>30	>30
Max. wind survival	Kmph	200	200	200
Connector Position		Bottom	Bottom	Bottom
Mounting	Mechanical down tilt, with antennas tilttable option up to 10 deg.			