

Cellular Antenna Systems

800-960 / 1700-2200 MHz
Dual-band Antenna Systems

The DrawCom range of Dual-band base-station antenna systems include;

- Panel, Tri-Sector and Yagi Antennas
- Variable and Fixed tilt models
- Optional Remote tilt systems for the Variable tilt sectors
- Optional diplexing of high and low bands



Antennas

Cellular Antenna Systems

800-960 / 1700-2200 MHz

Dual-band Panel Antenna Systems

Part No.	Band(s) (MHz)	Description	Polarity	Nominal Gain (dBi)	Nominal Horizontal Beam Width (deg)	Nominal Vertical Beam Width (deg)	Tilt (deg)	Length (mm)	No. and location of 7/16 DIN Skt Connectors
DSX065X13x100	806-940/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	14.0/17.0	65/65	14.5/6.2	2-14/2-10	1394	2 at bottom
DSX065X13x000	806-940/ 1710-2170	Dual Band, VET, Optional RET	X X	14.5/17.5	65/65	14.5/6.2	2-14/2-10	1394	4 at bottom
DSX065X20x300	806-940/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	15.3/17.0	65/65	9.0/5.0	8-16/6-14	2095	2 at bottom
DSX065X20x200	806-940/ 1710-2170	Dual Band, VET, Optional RET	X X	15.6/17.5	65/65	9.0/5.0	8-16/6-14	2095	4 at bottom
DSX065X20x100	806-940/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	15.7/17.5	65/65	9.0/5.0	2-10/2-10	2095	2 at bottom
DSX065X20x000	806-940/ 1710-2170	Dual Band, VET, Optional RET	X X	16.0/18.0	65/65	9.0/5.0	2-10/2-10	2095	4 at bottom
X65-13-xx-3D	824-960/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	13.6/16.5	65/65	14.3/6.2	6-20/4-14	1394	2 at bottom
X65-13-xx-D	824-960/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	14.0/17.0	65/65	14.3/6.2	2-14/2-10	1394	2 at bottom
X65-13-xx-3	824-960/ 1710-2170	Dual Band, VET, Optional RET	X X	14.3/17.0	65/65	14.3/6.2	6-20/4-14	1394	4 at bottom
X65-13-xx	824-960/ 1710-2170	Dual Band, VET, Optional RET	X X	14.5/17.5	65/65	14.3/6.2	2-14/2-10	1394	4 at bottom
X65-20-xx-3D	824-960/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	15.3/17.0	65/65	8.8/5.0	8-16/6-14	2095	2 at bottom
X65-20-xx-3	824-960/ 1710-2170	Dual Band, VET, Optional RET	X X	15.6/17.5	65/65	8.8/5.0	8-16/6-14	2095	4 at bottom
X65-20-xx-D	824-960/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	15.7/17.5	65/65	8.8/5.0	2-10/2-10	2095	2 at bottom
X65-20-xx	824-960/ 1710-2170	Dual Band, VET, Optional RET	X X	16.0/18.0	65/65	8.8/5.0	2-10/2-10	2095	4 at bottom
X65-26-xx-D	824-960/ 1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	17.0/17.5	65/65	6.8/5.0	2-10/2-10	2620	2 at bottom
X65-26-xx	824-960/ 1710-2170	Dual Band, VET, Optional RET	X X	17.5/18.0	65/65	6.8/5.0	2-10/2-10	2620	4 at bottom
5104008	870-960/ 1710-1880	Dual Band, FET	X X	14.5/14.5	65/65	14.3/13.0	8/8	1205	4 at bottom
5104X04	870-960/ 1710-1880	Dual Band, FET, Optional Diplexer	X X	14.5/14.5	65/65	15.0/12.0	4/4	1205	2 or 4
5104206	870-960/ 1710-1880	Dual Band, FET	X X	14.5/14.5	65/65	14.3/13.0	6/6	1205	4 at bottom
5104X08	870-960/ 1710-1880	Dual Band, FET, Optional Diplexer	X X	14.5/14.5	65/65	14.3/13.0	8/8	1205	2 or 4
5104006	870-960/ 1710-1880	Dual Band, FET, Diplexed	X X	14.5/14.5	65/65	14.3/13.0	6/6	1205	2 at bottom
U85-2413-xxL	870-960/ 1710-1880	Dual Band, FET, Optional Diplexer	X X	15.5/15.0	85/85	8.0/7.0	2/2,6/6,6/2	2400	2 or 4
U65-2413-xxL	870-960/ 1710-1880	Dual Band, FET	X X	16.0/17.0	65/65	8.0/7.0	2/6	2400	4 at bottom
5044104	870-960/ 1710-1880	Dual Band, FET, Diplexed	X X	17.0/17.0	65/65	7.9/6.5	4/4	2405	2 at bottom
U65-2413-66T	870-960/ 1710-1880	Dual Band, FET	X X	17.2/16.7	65/65	8.0/8.0	6/6	2400	4 at bottom

Notes

FET - Refers to a Fixed Electrical Tilt antenna
 RET - Refers to a Remote Electrical Tilt system
 VET - Refers to a Variable Electrical Tilt antenna
 x - Please refer to the detailed specifications for options

Cellular Antenna Systems

800-960 / 1700-2200 MHz

Dual-band Panel Antenna Systems (cont.)

Part No.	Band(s) (MHz)	Description	Polarity	Nominal Gain (dBi)	Nominal Horizontal Beam Width (deg)	Nominal Vertical Beam Width (deg)	Tilt (deg)	Length (mm)	No. and location of 7/16 DIN Skt Connectors
5165100	870-960/1710-2170	Dual Band, VET, Optional RET	X X	15.0/16.5	65/65	13.5/7.0	0-10/0-10	1500	4 at bottom
5163100	870-960/1710-2170	Dual Band, VET, Optional RET	X X	16.5/17.5	65/65	9.5/6.0	0-10/0-10	2040	4 at bottom
5163110	870-960/1710-2170	Dual Band, VET, Optional RET, diplexed	X X	15.5/17.5	65/65	9.0/6.0	0-10/0-10	2040	2 at bottom
5160016	870-960/1710-2170	Dual Band, FET	X X	17.5/18.0	65/65	7.0/6.0	6/6	2680	4 at bottom
5160006	870-960/1710-2170	Dual Band, FET, Diplexed	X X	17.2/17.3	65/65	7.0/6.0	6/6	2680	2 at bottom
5104010	872-960/1710-1880	Dual Band, FET, Diplexed	X X	14.5/14.5	65/65	14.3/13.0	10/10	1205	2 at bottom
5106166	872-960/1710-1880	Dual Band, FET	X X	16.0/16.0	65/65	10.5/8.1	4/6	1805	2 or 4
51001xx	872-960/1710-1880	Dual Band, FET	X X	17.0/17.0	65/65	7.9/6.5	4/4,6/6,10/10	2500	2 or 4
51002xx	872-960/1710-1880	Dual Band, FET	X X	17.0/17.0	65/65	7.9/6.5	0/0,4/4,6/6,8/8	2405	4 at bottom
5044110	872-960/1710-1880	Dual Band, FET, Diplexed	X X	17.0/17.0	65/65	7.9/6.5	10/10	2405	2 at bottom
51000xx	872-960/1710-1880	Dual Band, FET, Diplexed	X X	17.0/17.0	65/65	7.9/6.5	4/4,6/6,8/8,10/10	2500	2 at bottom
5130100	880-960/1710-2170	Dual Band, VET, Optional RET	X X	14.7/16.0	85/85	9.5/6.0	0-10/0-10	2040	4 at bottom
5133100	880-960/1710-2170	Dual Band, VET, Optional RET	X X	16.0/16.0	85/85	7.0/6.0	0-10/0-10	2680	4 at bottom
51331x0	880-960/1710-2170	Dual Band, VET, Optional RET & diplexer	X X	16.0/16.0	85/85	7.0/6.0	0-10/0-10	2680	2 or 4
5231100	880-960/1710-2170	Dual Band, VET, Optional RET	X X	16.0/17.5	65/65	9.5/6.0	4-14/4-14	2042	4 at bottom
5832x00x	880-960/1710-2170	Dual Band, VET, Optional RET, & diplexer	X X	16.3/17.6	65/65	9.0/6.0	0-10/4-14	1910	2 or 4
5863x10x	880-960/1710-2170	Dual Band, VET, Optional RET, Diplexed	X X	16.3/17.8	65/65	9.0/6.0	0-10/0-10	1910	2 at bottom
5832x00x	880-960/1710-2170	Dual Band, VET, Optional RET	X X	16.5/17.9	65/65	9.0/6.0	0-10/4-14	1910	4 at bottom
5863xx0x	880-960/1710-2170	Dual Band, VET, Optional RET	X X	16.5/18.0	65/65	9.0/6.0	0-10/0-10	1910	4 at bottom
5834xx0x	880-960/1710-2170	Dual Band, VET, Optional RET & diplexer	X X	17.3/17.6	65/65	7.0/6.0	0-10/4-14	2690	2 or 4
5860xx0x	880-960/1710-2170	Dual Band, VET, Optional RET & diplexer	X X	17.3/17.8	65/65	7.0/6.0	0-10/0-10	2690	2 or 4
5834x00x	880-960/1710-2170	Dual Band, VET, Optional RET	X X	17.5/17.9	65/65	7.0/6.0	0-10/4-14	2690	4 at bottom
51601xx	880-960/1710-2170	Dual Band, VET, Optional RET & diplexer	X X	17.5/18.1	65/65	6.9/5.7	0-10/0-10	2680	2 or 4
5860x00x	880-960/1710-2170	Dual Band, VET, Optional RET	X X	17.5/18.0	65/65	7.0/6.0	0-10/0-10	2690	4 at bottom
5064002	880-960/1920-2170	Dual Band, FET, Diplexed	X X	13.0/14.0	83/74	17/10.5	2/2	1300	2 at bottom

Print Date: 29/05/2009

All information contained in the present data sheet is subject to confirmation at time of ordering.

Antennas

Cellular Antenna Systems

800-960 / 1700-2200 MHz

Dual-band Tri-Sector Antenna Systems

Part No.	Band (s) (MHz)	Description	Polarity	Nominal Gain (dBi)	Nominal Horizontal Beam Width (deg)	Nominal Vertical Beam Width (deg)	Tilt (deg)	Length (mm)	No. and location of 7/16 DIN Skt Connectors
DS3X065X17x10	806-940/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET, Diplexed	3 by X X	14.0/17.0	65/65	14.5/6.2	2-14/2-10	1727	6 at bottom
DS3X065X17x00	806-940/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET	3 by X X	14.5/17.5	65/65	14.5/6.2	2-14/2-10	1727	12 at bottom
5066222	880-960/ 1710-1880	Tri-Sector, Dual Band, FET, Diplexed	3 by X X	13.0/15.0	73/79	15/15	2/2	1365	6 at bottom
5270x0x	880-960/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET	3 by X X	15.0/17.0	65/65	9.5/5.5	0-10/0-10	2830	12 at bottom
5363703	880-960/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET	3 by X X	16.0/17.0	65/65	9.5/6.0	0-10/0-10	2300	12 at bottom
5363903	880-960/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET, Azim. Pan.	3 by X X	16.0/17.0	65/65	9.5/6.0	0-10/0-10	2300	12 at bottom
5834x03x	880-960/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET, Azim. Pan.	3 by X X	17.5/17.7	65/65	7.0/6.0	0-10/4-14	3069	12 at bottom
5860x03x	880-960/ 1710-2170	Tri-Sector, Dual Band, VET, Opt. RET, Azim. Pan.	3 by X X	17.5/17.9	65/65	7.0/6.0	0-10/0-10	3069	12 at bottom
5067222	880-960/ 1920-2170	Tri-Sector, Dual Band, FET, Diplexed	3 by X X	13.0/15.0	76/65	17/10.5	2/2	1365	6 at bottom

Cellular Antenna Systems

800-960 / 1700-2200 MHz

Dual-band Yagi Antenna Systems

Part No.	Band(s) (MHz)	Description	Polarity	Nominal Gain (dBi)	Nominal Horizontal Beam Width (deg)	Nominal Vertical Beam Width (deg)	Length (mm)	Termination
7478000	806-2200	Yagi, Log periodic	V/H	11.5	51	41	1283	N Skt
7489000	806-896/ 1850-1990	Yagi, Dual Band	V/H	14/17.5	40/23	35/24	1313	N Skt
7499000	870-960/ 1710-1880	Yagi, Dual Band, Circular Polarised	CP	11.8/14.1	38/29	38/29	93.5	N Skt
7469000	872-960/ 1710-1900	Yagi, Dual Band	V/H	14/16	39/28	39/28	1330	N Skt