

## Antennas: DECT/PHS/PCS/GSM I 900

The DrawCom range of DECT/PHS/PCS/GSM I 900 Antennas includes various shrouded Yagis, panels and omnis. There are products designed to radiate as low as 1880 MHz and as high as 1990 MHz.



### Selection Guide: PHS 1895-1918 MHz

Part No.	Frequency (Mhz)	Gain (dBi)	Hor.3db beamwidth(°)	Vert. 3 db beamwidth(°)	Polarisation	Description	Termination
MA420X08	1710-1930	6	110	68	Vertical	Shrouded yagi	SMA(f)
MA420X09	1710-1930	9	72	54	Vertical	Shrouded yagi	SMA(f)
MA421X00	1710-1930	6	110	68	Vertical	Shrouded yagi	N(f)
MA421X03	1710-1930	9	70	54	Vertical	Shrouded yagi,white	N(f)
MA421X06	1710-1930	9	110	54	Vertical	Shrouded yagi,grey	N(f)
MA421X07	1880-1930	10	48	42	Vertical	Shrouded yagi	-
MA421X08	1880-1930	13,5	32	30	Vertical	Shrouded yagi	-
MA421X13	1710-1990	9	70	58	Vertical	Shrouded yagi	RG58(0,5m)+N(f)
MA421X15	1850-1990	10	53	47	Vertical	Shrouded yagi	RG58(0,5m)+N(f)
MA421X17	1850-1990	10	67	31	vertical	Panel antenna	RG58(0,5m)+N(f)
MA421X20	1850-1990	13,5	32	30	Vertical	Panel antenna	RG58(0,5m)+N(f)
MA421X26	1880-1930	15	60	13	Vertical	Sector antenna	-
MA421X28	1880-1930	11,8	120	13	Vertical	Sector antenna	-
MA423X08	1880-1930	8,5	50	43	vertical	Shrouded yagi	-
MA423X09	1880-1930	12	33	31	Vertical	Shrouded yagi	-
MA430X16	1880-1930	7,1	-	17	Vertical	Fibre glass omni	SMA(f) connector
MA431X18	1880-1930	9	-	11	Vertical	Omni,broadband	N(f) connector
MA431X19	1880-1930	10	-	10	Vertical	Omni ,broadband	N(f) connector
MA431X20	1880-1930	6	-	24	vertical	Omni(fibre shroud)	N(f) connector
MA431X27	1880-1930	7,1	-	17	-	Fibre glass omni	N(f)connector
MA821X07	1880-1920	8	85	75	Vertical	Integrated antenna	-

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Part No.	Frequency (Mhz)	Gain (dBi)	Polarisation	Description	Termination	Vert. 3 db beamwidth(°)	Hor.3db beamwidth(°)
MA420X08	1710-1930	6	Vertical	Shrouded yagi	SMA(f)	68	110
MA420X09	1710-1930	9	Vertical	Shrouded yagi	SMA(f)	54	72
MA420X19	1880-1930	12	Vertical	Panel antenna	-	30	32
MA420X21	1880-1930	9	Vertical	Panel antenna	-	31	69
MA421X00	1710-1930	6	Vertical	Shrouded yagi	N(f)	68	110
MA421X03	1710-1930	9	Vertical	Shrouded yagi, white	N(f)	54	70
MA421X06	1710-1930	9	Vertical	Shrouded yagi, grey	N(f)	54	110
MA421X07	1880-1930	10	Vertical	Shrouded yagi	-	42	48
MA421X08	1880-1930	13,5	Vertical	Shrouded yagi	-	30	32
MA421X13	1710-1990	9	Vertical	Shrouded yagi	RG58(0,5m)+N(f)	58	70
MA421X15	1850-1990	10	Vertical	Shrouded yagi	RG58(0,5m)+N(f)	47	53
MA421X17	1850-1990	10	vertical	Panel antenna	RG58(0,5m)+N(f)	31	67
MA421X20	1850-1990	13,5	Vertical	Panel antenna	RG58(0,5m)+N(f)	30	32
MA421X26	1880-1930	15	Vertical	Sector antenna	-	13	60
MA421X28	1880-1930	11,8	Vertical	Sector antenna	-	13	120
MA423X08	1880-1930	8,5	vertical	Shrouded yagi	-	43	50
MA423X09	1880-1930	12	Vertical	Shrouded yagi	-	31	33
MA821X07	1880-1920	8	Vertical	Integrated antenna	-	75	85
MA300X05	1880-1930	2	Vertical	Omni (plastic shroud)	RG316+SMA(m)	70	-
MA430X06	1880-1900	5	Vertical	Omni (plastic shroud)	Cable+SMA(m)	39	-
MA430X12	1880-1900	8	Vertical	Omni, SMA(f) connector	SMA(f) connector	17	-
MA430X16	1880-1930	7,1	Vertical	Fibre glass omni	SMA(f) connector	17	-
MA431X02	1880-1900	5	vertical	Omni, N(f) connector	N(f) connector	39	-
MA431X03	1880-1900	8	Vertical	Omni, N(f) connector	N(f) connector	17	-
MA431X05	1880-1900	8	Vertical	Omni, metal bracket	N(f) connector	17	-
MA431X09	1880-1900	10	Vertical	Omni, plastic bracket	N(f) connector	9	-
MA431X13	1880-1900	9	vertical	Omni (fibre shroud)	N(f) connector	12	-
MA431X14	1880-1900	6	Vertical	Omni (fibre shroud)	N(f) connector	24	-
MA431X17	1900-1930	6	Vertical	Omni (fibre shroud)	N(f) connector	25	-
MA431X18	1880-1930	9	Vertical	Omni, broadband	N(f) connector	11	-
MA431X19	1880-1930	10	Vertical	Omni, broadband	N(f) connector	10	-
MA431X20	1880-1930	6	vertical	Omni (fibre shroud)	N(f) connector	24	-
MA431X27	1880-1930	7,1	-	Fibre glass omni	N(f)connector	17	-
MA821X09	1880-1900	5	Vertical	Set of 2 omnis	N(f) connector	37	-
MA300X00	1880-1900	2	Vertical	Omni (plastic shroud)	SMA(m) connector	-	-

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Part No.	Frequency (Mhz)	Gain (dBi)	Hor.3db beamwidth (°)	Vert. 3 db beamwidth (°)	Polarisation	Termination	Description	Gain/ (Quarter-wave)	Series
MA112UX00	824-894/ 1850-1990	-	-	-	-	RG174(3m) +FME(f)	magnet mount ant.	0/2	Nano
MA112UX01	824-894/ 1850-1990	-	-	-	-	RG174(3m) +SMA(m)	Magnet mount ant.	0/2	Nano
5029000	800-2200	5	115	70	Vertical	0,5mRG303+N(f)	Shrouded yagi	-	-
5038000	1850-1990	17	67	8	Vertical	-	Panel antenna	-	-

Part No.	Frequency (Mhz)	Gain (dBi)	Hor.3db beamwidth(°)	Vert. 3 db beamwidth(°)	Polarisation	Termination	Description	Mounting	Electrical tilt(°)
5052100	806-960/ 1710-2170	2	-	-	Vertical	RG303(0,3m)+N(f)	Shrouded omni	Ceiling	-
5121100	1710-2170	15	65°	12°	+/-45°	-	Panel antenna	-	2-16° variable(MET)
5122002	1850-1990	19,1	60	5,7	+/-45°	-	60° x-polar panel	-	2
5135100	1710-2170	19,6- 21,4	33	6	+/-45°	-	Panel antenna	-	0-10° variable (MET)
5142100	1710-2170	19	65	4,5	+/-45°	-	Dual polar panel	-	2-10° variable (MET)
5146100	1710-2170	22,3- 24,2	16	5	+/-45°	-	Panel antenna	-	2-10° variable tilt(MET)
5152100	1710-2170	18,3- 20	45	6	+/-45°	-	Panel antenna	-	0-10° variable(MET)
5162000	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	0-10 var.(VET+RET)
5162100	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	0-10 variable(MET)
5164100	1710-2170	14,5	65	14	+/-45°	-	Panel antenna	-	0-10 variable(MET)
5166000	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	0
5166001	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	1
5166002	-	18,5	65	6	+/-45°	-	Panel antenna	-	2
5166003	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	3
5166004	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	4
5166005	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	5
5166006	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	6
5166007	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	7
5166008	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	8
5166009	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	9
5166010	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	-	10
5168000	1710-2170	17	65	8	+/-45°	-	Panel antenna	-	0-10 var. (VET+RET)
5168100	1710-2170	17	65	8	+/-45°	-	Panel antenna	-	0-10° variable(MET)
5169100	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	-	0-10 variable(MET)

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Part No.	Frequency (Mhz)	Gain (dBi)	Hor.3db beamwidth (°)	Vert. 3 db beamwidth (°)	Polarisation	Termination	Description	Electrical tilt(°)	Series
5178100	1710-2170	16,5	65°	9°	+/-45°	-	Panel antenna	2-16°variable (MET)	-
5182000	1710-2170	17,5	90	6	+/-45°	-	Panel antenna	0-10 var. (VET+RET)	-
5182100	1710-2170	17,5	90	6	+/-45°	-	Panel antenna	0-10 variable (MET)	-
5186002	1710-2170	17,5	90	6	+/-45°	-	Panel antenna	2	-
5186004	1710-2170	17,5	90	6	+/-45°	-	Panel antenna	4	-
5230000	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	4°-14° Variable (MET+RET)	-
5230100	1710-2170	18,5	65	6	+/-45°	-	Panel antenna	4-14° Variable (MET)	-
5269000	1710-2170	17,5	65	7	+/-45°	-	panel antenna	0	-
5269001	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	1	-
5269002	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	2	-
5269003	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	3	-
5269004	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	4	-
5269005	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	5	-
5269006	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	6	-
5269007	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	7	-
5269008	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	8	-
5269009	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	9	-
5269010	1710-2170	17,5	65	7	+/-45°	-	Panel antenna	10	-
5272000	1710-2170	4,5	-	30-23	Vertical	N(f)	Wideband omni	-	-
7200200	1710-2170	2/3	-	-	vertical	N(f)	Shrouded omni	-	-
7276190	1850-1950	2	-	80	Vertical	-	Omni,N(f)	-	-
7486000	1710-2200	12,5	48	41	Vert.,Horiz. or slanted	-	Broadband yagi	-	-
7489000	806-896/1850-1990	14/17,5	40/23	35/24	H/V or slanted	-	Dual band yagi	-	-
7514200	1710-2170	4,5	200/2x80	80	Vertical	-	Shrouded antenna	-	-
MA421X13	1710-1990	9	70	58	Vertical	RG58(0,5m)+N(f)	Shrouded yagi	-	-
MA421X15	1850-1990	10	53	47	Vertical	RG58(0,5m)+N(f)	Shrouded yagi	-	-
MA421X17	1850-1990	10	67	31	vertical	RG58(0,5m)+N(f)	Panel antenna	-	-
MA421X20	1850-1990	13,5	32	30	Vertical	RG58(0,5m)+N(f)	Panel antenna	-	-
MA423X13	1850-1990	11	32	30	Vertical	RG58(3m)+SMA(m)	Shrouded yagi	-	-
MA431X30	1850-1990	4,5	-	32	Vertical	N(f)	Omni,plastic shroud	-	-
MA160UX00	806-960/1710-1990	2	-	-	-	RG58(3m)+FME	Patch antenna (round)	-	Discrete

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