





Terrestrial Microwave Antenna System Products




**5.850 - 5.915, 6.425 - 6.930 GHz**

**Antenna Inputs.** All antenna VSWR values are specified with CPR and PDR flanges. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.  
**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa).

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			U.S. FCC 101	74	78	ETSI Class	ETSI Gain							
<b>UHX</b>  <b>Ultra High Performance/Wide Band Antennas – Dual Polarized</b> Antenna Inputs: CPR137G and PDR70														
<b>UHX8-58W</b>														
5.850-5.915 GHz** 8 (2.4)	3755	3759	A	-	-	3	2	40.4	40.5	40.6	1.45	34	68	1.08 (28.3)
6.425-6.930 GHz***	3772	3747	A	-	-	-	-	41.5	41.8	42.1	1.3	34	70	1.08 (28.3)
<b>UHX10-58W</b>														
5.850-5.915 GHz**10 (3.0)	3757	3759	A	-	-	3	2	42.0	42.1	42.2	1.25	34	71	1.08 (28.3)
6.425-6.930 GHz***	3774	3776	-	-	-	-	-	43.0	43.2	43.4	1.15	34	73	1.08 (28.3)
<b>HPX</b>  <b>High Performance/Wide Band Antennas – Dual Polarized</b> Antenna Inputs: CPR137G and PDR70														
<b>HPX8-58W</b>														
5.850-5.915 GHz** 8 (2.4)	3761	-	-	-	-	3	2	40.7	40.8	40.9	1.4	32	65	1.08 (28.3)
6.425-6.930 GHz***	3749	-	-	-	-	-	-	41.7	41.9	42.2	1.4	34	67	1.08 (28.3)
<b>HPX10-58W</b>														
5.850-5.915 GHz**10 (3.0)	3751	-	-	-	-	2	2	42.6	42.7	42.8	1.2	32	68	1.08 (28.3)
6.425-6.930 GHz***	3770	-	-	-	-	-	-	43.4	43.4	43.8	1.2	34	69	1.08 (28.3)

**5.925 - 6.425 GHz \***

**Antenna Inputs.** All antenna VSWR values are specified with CPR and PDR flanges. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.  
**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa) except LBX Series 8 lb/in<sup>2</sup> (56 kPa).

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)			
			U.S. FCC 101	74	78	ETSI Class	ETSI Gain								
<b>UHX</b>  <b>Ultra High Performance Antennas – Dual Polarized</b> Antenna Inputs: CPR137G and PDR70															
<b>UHX6-59</b>	6 (1.8)	1730	1729	A	-	-	3	2	38.4	38.8	39.1	1.8	33	75	1.06 (30.7)
<b>UHX8-59</b>	8 (2.4)	1654	1653	A	-	-	3	2	40.9	41.3	41.6	1.4	33	77	1.06 (30.7)
<b>UHX10-59</b>	10 (3.0)	1667	1666	A	-	-	3	2	42.9	43.2	43.6	1.1	34	80	1.06 (30.7)
<b>UHX12-59</b>	12 (3.7)	1665	1664	A	-	-	3	2	44.4	44.8	45.2	0.9	35	80	1.06 (30.7)
<b>UHX15-59</b>	15 (4.6)	1662	1661	A	-	-	3	2	46.1	46.4	46.8	0.8	34	80	1.06 (30.7)
<b>HSX</b>  <b>High Performance Antennas, Super High Cross Polarization Discrimination Dual Polarized – TEGLAR Long Life Radome Included</b> Antenna Inputs: CPR137G and PDR70															
<b>HSX6-59</b>	6 (1.8)	2424	2422	B	-	-	3	2	38.4	38.8	39.1	1.8	40	72	1.07 (29.4)
<b>HSX8-59</b>	8 (2.4)	2428	2429	A	-	-	3	2	40.9	41.3	41.6	1.4	40	74	1.08 (28.3)
<b>HSX10-59</b>	10 (3.0)	2442	2440	A	-	-	3	2	42.5	42.9	43.2	1.1	40	76	1.08 (28.3)
<b>HSX12-59</b>	12 (3.7)	2444	2446	A	-	-	3	2	44.4	44.7	45.0	0.9	40	78	1.08 (28.3)
<b>HSX15-59</b>	15 (4.6)	2450	2448	A	-	-	3	2	46.3	46.6	46.9	0.8	40	79	1.08 (28.3)
<b>HPX HP</b>  <b>High Performance Antennas – Dual Polarized – Hypalon Radome Included</b> Antenna Inputs: CPR137G and PDR70															
<b>HPX6-59</b>	6 (1.8)	2664	-	B	-	-	3	2	38.4	38.8	39.1	1.8	30	65	1.07 (29.4)
<b>HPX8-59</b>	8 (2.4)	2678	-	A	-	-	3	2	40.9	41.3	41.6	1.4	30	69	1.06 (30.7)
<b>HPX10-59</b>	10 (3.0)	2684	-	A	-	-	2	2	42.7	43.1	43.5	1.1	30	71	1.06 (30.7)
<b>HPX12-59</b>	12 (3.7)	2682	-	A	-	-	2	2	44.4	44.8	45.2	0.9	30	71	1.06 (30.7)
<b>HPX15-59</b>	15 (4.6)	2683	-	A	-	-	2	2	46.1	46.4	46.8	0.8	30	71	1.06 (30.7)






Reference ETSI Document EN300833 for 3 to 60 GHz  
 \* Multiband antennas are available in this frequency band. See pages 93-94.  
 \*\* Meets Canadian DOC GL-34 Specification  
 \*\*\* Meets Canadian DOC SRSP 306.4 Issue #3 Specification

Continued on next page



5.925 - 6.425 GHz \*



Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi		Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)	
			101	U.S. FCC 74	78	ETSI Class	ETSI Gain	Low	Mid-Band					Top
<b>HP</b>		<b>High Performance Antennas - Hypalon Radome Included - Single Polarized</b> Antenna Inputs: CPR137G and PDR70												
HP6-59	6 (1.8)	4446	A	-	-	2	2	38.2	38.6	39.0	1.8	30	62	1.06 (30.7)
HP8-59	8 (2.4)	4454	A	-	-	2	2	41.1	41.5	41.9	1.4	30	66	1.06 (30.7)
HP10-59	10 (3.0)	4462	A	-	-	2	2	42.6	42.9	43.1	1.1	30	69	1.06 (30.7)
HP12-59	12 (3.7)	4470	A	-	-	2	2	44.7	45.0	45.2	0.9	30	71	1.06 (30.7)
HP15-59	15 (4.6)	4478	A	-	-	2	2	46.2	46.5	46.8	0.8	30	71	1.06 (30.7)
<b>HDX</b>		<b>High Performance, Dual Beam Antennas Dual Polarized - TEGLAR Long Life Radome Included - Dual Polarized</b> Antenna Inputs: CPR137G and PDR70												
HDX8-59	8 (2.4)	1750 1751 1752 1753	A	-	-	2/3	2	41.2	41.5	41.8	1.4	26	73	1.06 (30.7)
HDX10-59	10 (3.0)	1758 1759 1760 1761	A	-	-	3	2	42.9	43.2	43.4	1.1	26	74	1.06 (30.7)
HDX12-59	12 (3.7)	1766 1767 1768 1769	A	-	-	3	2	44.6	45.0	45.4	1.0	26	75	1.06 (30.7)
<b>PARX PAR</b>		<b>Standard Antennas - Similar to PL(-)59 Series, Except Meet Category A - Dual Polarized</b> Antenna Inputs: CPR137G and PDR70												
PARX6-59**	6 (1.8)	4377	A	-	-	1	2	37.8	37.9	38.2	1.9	30	60	1.08 (28.3)
PARX8-59**	8 (2.4)	4378	A	-	-	1	2	40.4	40.7	40.9	1.4	30	60	1.08 (28.3)
PARX10-59	10 (3.0)	4379	A	-	-	1	2	42.7	43.1	43.3	1.1	35	60	1.06 (30.7)
PARX12-59	12 (3.7)	4380	A	-	-	1	2	43.3	44.7	45.1	0.9	34	60	1.06 (30.7)
		<b>Standard Antennas - Single Polarized</b> Antenna Inputs: CPR137G, PDR70, and UG-343B/U												
PAR6-59**	6 (1.8)	2472	A	-	-	1	2	38.0	38.2	38.4	1.9	30	55	1.06 (30.7)
PAR8-59**	8 (2.4)	2517	A	-	-	1	2	40.4	40.8	41.0	1.4	30	58	1.06 (30.7)
PAR10-59	10 (3.0)	1649	A	-	-	1	2	43.0	43.2	43.4	1.1	30	62	1.06 (30.7)
PAR12-59	12 (3.7)	2366	A	-	-	1	2	44.2	44.6	44.9	0.9	30	63	1.06 (30.7)
<b>PXL PL</b>		<b>Standard Antennas - Dual Polarized</b> Antenna Inputs: CPR137G, PDR70, and UG-343B/U												
PXL6-59	6 (1.8)	2632	-	-	-	1	2	38.4	38.7	39.1	1.8	30	46	1.07 (29.4)
PXL8-59	8 (2.4)	2616	B	-	-	1	2	40.9	41.3	41.6	1.4	30	48	1.06 (30.7)
PXL10-59	10 (3.0)	2618	B	-	-	-	-	42.7	43.1	43.5	1.1	30	49	1.06 (30.7)
PXL12-59	12 (3.7)	2620	B	-	-	1	2	44.4	44.8	45.2	0.9	30	53	1.06 (30.7)
PXL15-59	15 (4.6)	2642	B	-	-	-	-	46.1	46.4	46.8	0.8	30	54	1.06 (30.7)
		<b>Standard Antennas - Single Polarized</b> Antenna Inputs: CPR137G, PDR70, and UG-343B/U												
PL4-59	4 (1.2)	2602	-	-	-	-	-	35.0	35.4	35.7	2.7	30	41	1.08 (28.3)
PL6-59	6 (1.8)	4450	B	-	-	1	2	38.7	39.1	39.5	1.8	30	46	1.06 (30.7)
PL8-59	8 (2.4)	4458	B	-	-	1	2	41.2	41.6	42.0	1.4	30	48	1.06 (30.7)
PL10-59	10 (3.0)	4466	B	-	-	-	-	42.9	43.3	43.6	1.1	30	51	1.06 (30.7)
PL12-59	12 (3.7)	4474	B	-	-	1	2	44.7	45.0	45.2	0.9	30	52	1.06 (30.7)
PL15-59	15 (4.6)	4482	B	-	-	1	2	46.3	46.7	47.7	0.8	30	53	1.06 (30.7)
<b>FPX FP</b>		<b>Focal Plane Antennas - Dual Polarized</b> Antenna Inputs: CPR137G, PDR70, and UG-343B/U												
FPX8-59	8 (2.4)	6111	-	-	-	-	-	40.1	40.4	40.6	1.4	27	64	1.07 (29.4)
FPX10-59	10 (3.0)	6113	A	-	-	2	2	42.3	42.6	42.7	1.1	28	66	1.06 (30.7)
FPX12-59	12 (3.7)	6115	-	-	-	-	-	44.0	44.4	44.5	0.9	28	68	1.06 (30.7)
		<b>Focal Plane Antennas - Single Polarized</b> Antenna Inputs: CPR137G and PDR70												
FP8-59	8 (2.4)	6103	A	-	-	1	2	40.3	40.6	40.8	1.4	28	64	1.06 (30.7)
FP10-59	10 (3.0)	6105	A	-	-	2	2	42.5	42.8	42.9	1.1	28	66	1.04 (34.2)
FP12-59	12 (3.7)	6107	A	-	-	2	2	44.2	44.6	44.7	0.9	28	68	1.04 (34.2)

Reference ETSI Document EN300833 for 3 to 60 GHz

\*Multiband antennas are available in this frequency range. See page 93-94.


\*\*Uses focal plane type reflector and feed system.

Terrestrial Microwave Antenna System Products






**5.925 - 6.425 GHz \***


Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance**	Gain, dBi			Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
				Low	Mid-Band	Top				
<b>LBX</b>  <b>Low Back Lobe Antennas - Dual Polarized</b> Antenna Inputs: CPR137G and PDR70										
LBX6-59***	6 (1.8)	962	B	38.3	38.7	39.0	1.8	33	54	1.07 (29.4)
LBX8-59***	8 (2.4)	538-1	B	40.9	41.3	41.6	1.4	33	60	1.06 (30.7)
LBX10-59***	10 (3.0)	536-3	B	42.6	43.0	43.3	1.1	33	65	1.06 (30.7)
LBX12-59***	12 (3.7)	537-5	B	44.4	44.8	45.1	0.9	33	62	1.06 (30.7)


**5.925 - 7.125 GHz**


**Antenna Inputs.** All antenna VSWR values are specified with CPR and PDR flanges. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.  
**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 k Pa).


Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance				Gain, dBi			Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)	
			U.S. FCC 101	U.S. FCC 74	U.S. FCC 78	ETSI Class	ETSI Gain	Low	Mid-Band					Top
<b>UHX UHP</b>  <b>Ultra High Performance/Wide Band Antennas - Dual Polarized</b> Antenna Inputs: CPR137G and PDR70														
UHX6-59W	6 (1.8)	1022 3303	A	A	-	3	2	37.5	38.8	39.5	1.8	36	67	1.08 (28.3)
UHX8-59W	8 (2.4)	1115 1116	A	A	-	2	2	41.0	41.7	42.3	1.4	36	68	1.08 (28.3)
UHX10-59W	10 (3.0)	1118 1117	A	A	-	2	2	42.5	43.2	43.8	1.2	36	71	1.08 (28.3)
UHX12-59W	12 (3.7)	1119 1120	A	A	-	3	2	44.1	44.8	45.4	1.0	36	74	1.08 (28.3)

<b>Ultra High Performance/Wide Band Antennas - Single Polarized</b> Antenna Inputs: CPR137G and PDR70														
UHP6-59W	6 (1.8)	3492 3494	B	B	-	3	2	38.4	39.3	39.9	1.8	35	75	1.06 (30.7)
UHP8-59W	8 (2.4)	3496 3506	A	A	-	3	2	40.9	41.9	42.2	1.5	35	78	1.06 (30.7)
UHP10-59W	10 (3.0)	3498 3500	A	A	-	3	2	42.4	43.3	43.7	1.3	35	78	1.06 (30.7)
UHP12-59W	12 (3.7)	3502 3508	A	A	-	3	2	44.3	45.2	45.5	1.0	35	80	1.06 (30.7)

<b>HP</b>  <b>High Performance/Wide Band Antennas</b> Antenna Inputs: CPR137G and PDR70														
HP6-59W	6 (1.8)	4445	-	-	-	-	-	38.2	39	39.8	1.8	32	66	1.06 (30.7)
HP8-59W	8 (2.4)	4453	B	A	-	2	2	41.0	41.7	42.5	1.5	35	66	1.06 (30.7)
HP10-59W	10 (3.0)	4461	A	A	-	2	2	42.6	43.1	43.8	1.2	33	69	1.06 (30.7)
HP12-59W	12 (3.7)	4469	A	A	-	2	2	44.3	45	45.7	0.9	32	66	1.06 (30.7)
HP15-59W	15 (4.6)	4477	A	A	-	2	2	46.2	46.9	47.6	0.8	30	71	1.06 (30.7)

<b>PARX</b>  <b>Standard/Wide Band Antennas - Dual Polarized</b> Antenna Inputs: CPR137G, PDR70, and UG-343B/U.														
PARX6-59W	6 (1.8)	4371	A	A	-	1	2	37.8	38.3	38.7	1.8	30	59	1.12 (24.9)
PARX8-59W	8 (2.4)	4372	A	A	-	1	2	40.4	40.7	40.9	1.6	30	60	1.10 (26.4)
PARX10-59W	10 (3.0)	4373	A	A	-	1	2	42.7	43.3	44.0	1.1	35	60	1.15 (23.1)

<b>PAR</b>  <b>Standard/Wide Band Antennas - Single Polarized</b> Antenna Inputs: CPR137G, PDR70, and UG-343B/U.														
PAR6-59W	6 (1.8)	2480	A	A	-	1	2	38.0	38.7	39.0	1.8	30	59	1.08 (28.3)
PAR8-59W	8 (2.4)	2572	A	A	-	1	2	40.4	41.0	41.6	1.4	30	58	1.06 (30.7)
PAR10-59W	10 (3.0)	1279	A	A	-	1	2	43.0	43.4	43.8	1.1	30	62	1.06 (30.7)
PAR12-59W	12 (3.7)	2578	A	A	-	1	2	44.2	44.9	45.7	0.9	30	63	1.06 (30.7)

<b>PL</b>  <b>Standard/Wide Band Antennas - Single Polarized</b> Antenna Inputs: CPR137G and PDR70.														
PL6-59W	6 (1.8)	4449	B	B	-	-	-	38.7	39.5	40.2	1.8	35	46	1.06 (30.7)
PL8-59W	8 (2.4)	4457	B	A	-	-	-	41.2	42	42.8	1.4	35	51	1.06 (30.7)
PL10-59W	10 (3.0)	4465	B	B	-	-	-	42.7	45.3	43.9	1	33	55	1.06 (30.7)
PL12-59W	12 (3.7)	4473	B	A	-	1	2	44.6	45.2	45.9	1	33	60	1.06 (30.7)
PL15-59W	15 (4.6)	4481	B	B	-	1	2	46.3	47.0	47.7	0.8	30	57	1.06 (30.7)

Reference ETSI Document EN300833 for 3 to 60 GHz \*Multiband antennas are available in this frequency band. See pages 93-94.

\*\*ANATEL Telecommunications Agency, Regulation 1286 Category \*\*\*8 lb/in<sup>2</sup> (56 kPa) maximum

