

Anritsu envision : ensure

Antennas and Antenna Kits

- Portable
- GPS
- Yagi
- Mag Mount
- Wideband
- Log Periodic
- Whip
- Bi-Blade
- Loop



Specifications

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All antennas have a nominal 50 Ω impedance.
All specifications subject to change without notice. For the most current data sheet, please visit the Anritsu web site: www.anritsu.com

Specifications

Omnidirectional Antennas

Omnidirectional Antennas

Portable Antennas Anritsu portable antennas are designed for rugged field use, featuring ABS plastic, polyurethane, or rubberized bodies with nickel plated brass or all brass connectors. All specifications typical.

Frequency Range (MHz)	Input Power (Watts)	Gain (dBi)	VSWR (max)	Antenna Length (cm)	Connector Type	Antenna Model Number
698 to 960 1710 to 2170 2500 to 2700	3	0 to 2.0	2.5:1	22.8	SMA(m)	2000-1751-R
806 to 5900	Includes: 2000-1030-R, 2000-1031-R, 2000-1032-R, 2000-1035-R, 2000-1200-R, 2000-1361-R, and carrying pouch					2000-1636-R
806 to 866	50	2.1	1.5:1	8.4	SMA(m)	2000-1200-R
870 to 960	10	2.3	2.0:1	20.1 to 22.8	SMA(m)	2000-1473-R
896 to 941	NA (receive only)	4.6	1.5:1	20.3	SMA(m)	2000-1035-R
1710 to 1880	NA (receive only)	2.0	2.0:1	10.4	SMA(m)	2000-1030-R
1710 to 1880	10	2.3	2.0:1	16.5 to 19.7	SMA(m)	2000-1474-R
1850 to 1990	NA (receive only)	2.0	2.0:1	10.4	SMA(m)	2000-1031-R
1920 to 1980 2110 to 2170	5	0	3.0:1	4.5	SMA(m)	2000-1475-R
2400 to 2483.5	50	2.0	1.5:1	11.4	SMA(m)	2000-1032-R
2400 to 2500 5000 to 5900	5	3.0	2.0:1	7.6 to 10.2	SMA(m)	2000-1361-R
VHF through UHF	NA (receive only)	variable	variable	10.2 to 48.2	BNC(m)	2000-1487

Omnidirectional Antennas

Specifications

2000-1030-R	Half wave whip antenna.
Frequency Range (MHz)	1710 to 1880
Input Power (Watts)	NA (receive only)
Gain (dBi)	2.0
VSWR (max)	2.0:1
Antenna Length (cm)	10.4
Connector Type	SMA(m)



2000-1031-R	Half wave whip antenna.
Frequency Range	1850 MHz to 1990 MHz
Input Power	NA (receive only)
Gain	2.0 dBi
VSWR	2.0:1 max
Antenna Length	10.4 cm
Connector Type	SMA(m)



2000-1032-R	Half wave whip antenna, with knuckle elbow.
Frequency Range	2400 MHz to 2483.5 MHz
Input Power	50 Watts
Gain	2.0 dBi
VSWR	1.5:1 max
Antenna Length	11.4 cm
Connector Type	SMA(m)



2000-1035-R	5/8 wave whip antenna.
Frequency Range	896 MHz to 941 MHz
Input Power	NA (receive only)
Gain	4.6 dBi
VSWR	1.5:1 max
Antenna Length	20.3 cm
Connector Type	SMA(m)



2000-1200-R	Quarter wave whip antenna.
Frequency Range	806 MHz to 866 MHz
Input Power	50 Watts
Gain	2.1 dBi
VSWR	1.5:1 max
Antenna Length	8.4 cm
Connector Type	SMA(m)



2000-1361-R	Half wave thin-blade style antenna, with knuckle elbow.
Frequency Range	2400 MHz to 2500 MHz 5000 MHz to 5900 MHz
Input Power	5 Watts
Gain	3.0 dBi
VSWR	2.0:1 max
Antenna Length	17.2 cm to 19.7 cm
Connector Type	SMA(m)



2000-1473-R	Half wave, 90 degree adjustable whip antenna, with knuckle elbow.
Frequency Range	810 MHz to 960 MHz
Input Power	10 Watts
Gain	2.3 dBi
VSWR	2.0:1 max
Antenna Length	20.1 cm to 22.8 cm
Connector Type	SMA(m)



Specifications

Omnidirectional Antennas

2000-1474-R	Half wave, 90 degree adjustable whip antenna, with knuckle elbow.	
	Frequency Range	1710 MHz to 1880 MHz
	Input Power	10 Watts
	Gain	2.3 dBi
	VSWR	2.0:1 max
	Antenna Length	16.5 cm to 19.7 cm
	Connector Type	SMA(m)



2000-1475-R	Quarter wave helical antenna.
Frequency Range	1920 MHz to 1980 MHz 2110 MHz to 2170 MHz
Input Power	5 Watts
Gain	0 dBi
VSWR	3.0:1 max
Antenna Length	4.5 cm
Connector Type	SMA(m)



2000-1487	Telescoping whip antenna, with knuckle elbow.
Frequency Range	VHF through UHF
Input Power	NA (receive only)
Gain	NA
VSWR	variable
Antenna Length	10.2 cm to 48.2 cm
Connector Type	BNC(m)



2000-1751-R	4G thin-blade style antenna, with knuckle elbow.
Frequency Range	698 MHz to 960 MHz 1710 MHz to 2170 MHz 2500 MHz to 2700 MHz
Input Power	3 Watts
Gain	0 to 2.0 dBi
VSWR	2.5:1 max
Antenna Length	22.8 cm
Connector Type	SMA(m)



2000-1636-R Portable antenna kit.
Includes: 2000-1030-R, 2000-1031-R, 2000-1032-R,
2000-1035-R, 2000-1200-R, 2000-1361-R, and
carrying pouch



Omnidirectional Antennas

Specifications

GPS Antennas Magnet and connector mount active GPS antennas for increased performance.

Frequency Range (MHz)	Input Power (Watts)	Gain (dBi)	VSWR (max)	Cable Length (m)	Connector Type	Antenna Model Number
1575 (GPS)	NA (receive only)	27	NA	5	BNC(f) (reverse BNC)	2000-1410
1575 (GPS)	NA (receive only)	27	2.0:1	5	SMA(m)	2000-1528-R
1575 (GPS)	NA (receive only)	26	2.0:1	0.3	SMA(m)	2000-1652-R
1575 (GPS)	NA (receive only)	25	2.0:1	NA	SMA(m)	2000-1760-R

2000-1410 Magnet mount active GPS antenna, requires 3 V to 5 V, reverse polarity BNC.

Frequency Range	1575 MHz (GPS)
Input Power	NA (receive only)
Gain	27 dBi
VSWR	NA
Cable Length	5 m
Connector Type	BNC(f) (reverse BNC)

**2000-1528-R** Magnet mount active GPS antenna, requires 5 V.

Frequency Range	1575 MHz (GPS)
Input Power	NA (receive only)
Gain	27 dBi
VSWR	2.0:1
Cable Length	5 m
Connector Type	SMA(m)

**2000-1652-R** Magnet mount active GPS antenna, requires 3 V to 5 V.

Frequency Range	1575 MHz (GPS)
Input Power	NA (receive only)
Gain	26 dBi
VSWR	2.0:1
Cable Length	0.3 m
Connector Type	SMA(m)

**2000-1760-R** Active GPS antenna, requires 3.3 V or 5 V.

Frequency Range	1575 MHz (GPS)
Input Power	NA (receive only)
Gain	25 dBi
VSWR	2.0:1
Antenna Length	2.6 cm
Antenna Diameter	2.1 cm
Connector Type	SMA(m)



Specifications

Omnidirectional Antennas

Magnet Mount Broadband Antennas

Frequency Range (MHz)	Input Power (Watts)	Gain (dBi)	VSWR (max)	Cable Length (m)	Connector Type	Antenna Model Number
694 to 894 1700 to 2700	10	3.0	2.0:1	3	SMA(m)	2000-1645-R
698 to 2700 3000 to 6000 1575 (GPS)	NA (receive only)	2.0 to 5.0 +26 dB (GPS preamp)	3.5:1	3	N(m) (x2) SMA(m)	2000-1647-R
750 to 1250 1650 to 2700	10	3.0 5.0	2.0:1	3	SMA(m)	2000-1646-R
1700 to 6000	10	3.0	2.0:1	3	N(m)	2000-1648-R

2000-1645-R	Magnet mount multiband broadband antenna.	
Frequency Range	694 MHz to 894 MHz 1700 MHz to 2700 MHz	
Input Power	10 W	
Gain	3.0 dBi	
VSWR	2.0:1	
Size	6.7 cm x 9.2 cm	
Cable Length	3 m	
Connector Type	SMA(m)	



2000-1646-R	Magnet mount multiband broadband antenna.	
Frequency Range	750 MHz to 1250 MHz 1650 MHz to 2700 MHz	
Input Power	10 W	
Gain	3.0 dBi (band 1), 5.0 dBi (band 2)	
VSWR	2.0:1 (max)	
Size	4.3 cm x 9.2cm	
Cable Length	3 m	
Connector Type	SMA(m)	



2000-1647-R	Magnet mount broadband integrated GPS antenna, requires 3 V to 5 V for GPS.	
Frequency Range	698 MHz to 2700 MHz 3000 MHz to 6000 MHz 1575 (GPS)	
Input Power	NA (receive only)	
Gain	2.0 dBi (750 to 1200 MHz) 5.0 dBi (1700 to 2700 MHz) 5.0 dBi (3000 to 6000 MHz) 5.0 dBi (GPS antenna), 26.0 dB (GPS preamp)	
VSWR	3.5:1	
Cable Length	3 m	
Connector Type	N(m) (x2), SMA(m) (GPS)	



2000-1648-R	Magnet mount multiband broadband antenna.	
Frequency Range	1700 MHz to 6000 MHz	
Input Power	10 W	
Gain	3.0 dBi	
VSWR	2.0:1 (max)	
Size	6.7 cm x 9.2 cm	
Cable Length	3 m	
Connector Type	N(m)	



Omnidirectional Antennas

Specifications

Wideband Antennas						
Frequency Range (MHz)	Input Power (Watts)	Gain (dBi)	VSWR (max)	Cable Length (m)	Connector Type	Antenna Model Number
20 to 21000	10	-7.0 to 3.0	2.0:1	NA	N(m)	2000-1616

2000-1616	Modified bi-conical ultra-wideband antenna.	
Frequency Range (MHz)	20 MHz to 21 GHz	
Input Power	10 Watts	
Gain	-7 dBi ~200 MHz 0 dBi > 325 MHz	
VSWR	2.0:1 max	
Length	40.64 cm	
Width	15.24 cm	
Weight	0.37 kg	
Connector Type	N(f)	



Specifications

Directional Antennas

Directional Antennas Anritsu offers a complete line of high-performance directional antennas. The Yagi antennas operating below 1 GHz are constructed from welded, solid aluminum elements. The Yagi antennas operating above 1 GHz are constructed from solid brass soldered elements. The design and construction help prevent intermodulation and yield very sturdy antennas that are well-suited for use in tracking interfering signals.

Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Antenna Type	Anritsu Part Number
0.09 to 20	−160 to −42	–	39.8	29.0	0.46	NA	Loop	2000-1777-R
20 to 200	−40 to −3	2.5:1	39.5	32.0	0.58	NA	Loop	2000-1778-R
200 to 500	−13 to −4	2.5:1	24.5	16	0.36	NA	Loop	2000-1779-R
380 to 430	7.0	1.5:1	52.8	34.9	0.68	3	Yagi	2000-1825-R
450 to 512	7.1	1.5:1	43	33	0.5	3	Yagi	2000-1812-R
698 to 787	10.1	1.5:1	70	20	1.4	6	Yagi	2000-1659-R
822 to 900	12.1	1.5:1	61	28	1.4	7	Yagi	2000-1411-R
885 to 975	12.3	1.5:1	71	19	1.4	7	Yagi	2000-1412-R
1425 to 1535	14.3	1.4:1	66	13	1	12	Yagi	2000-1660-R
1710 to 1880	12.3	1.5:1	48	7.6	2.3	8	Yagi	2000-1413-R
1850 to 1990	11.4	1:3:1	25	7.6	0.45	6	Yagi	2000-1414-R
1920 to 2170	14.1	1.5:1	59	9.3	0.53	12	Yagi	2000-1416-R
2400 to 2500	14.1	1.5:1	41	6.4	0.57	10	Yagi	2000-1415-R
2500 to 2700	14.1	1.5:1	43	7.6	0.5	12	Yagi	2000-1726-R
698 to 2500	6 to 7 ^a	2:1 ^a	41	56	1.2	1	Bi-Blade	2000-1715-R
300 to 7000	4 to 7 ^a	1.8:1	69	55	0.8	17	Log Periodic	2000-1747-R
1000 to 18000	6 to 7 ^a	2:1	50	24	0.9	NA	Log Periodic	2000-1748-R

a. Typical.

Notes

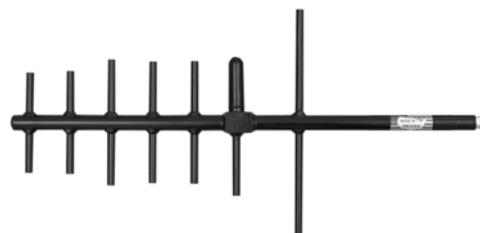
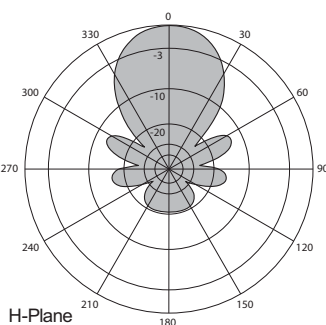
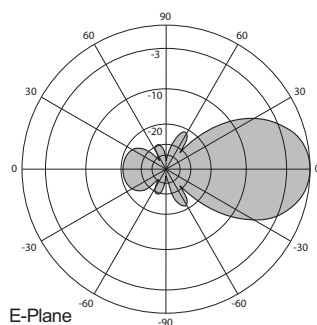
For vertical polarization, the H-plane is the Azimuth (horizontal angle) and the E-plane is the Elevation (vertical angle). The E- and H-planes are swapped for horizontal polarization, so the H-plane is Elevation and the E-plane is Azimuth.

Directional Antennas

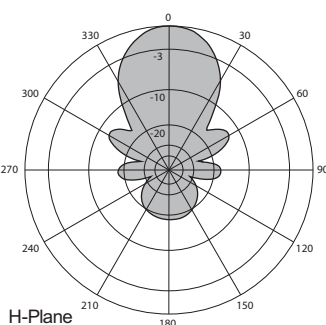
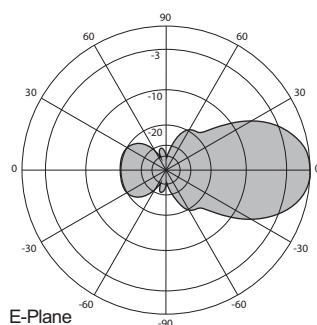
Specifications

Yagi Antennas

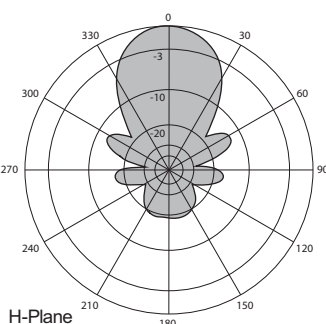
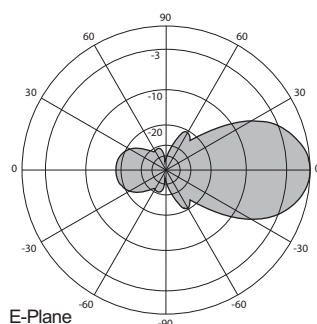
2000-1411-R Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
822 to 900	12.1	1.5:1	61	28	1.4	7	N(f)



2000-1412-R Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
885 to 975	12.3	1.5:1	71	19	1.4	7	N(f)



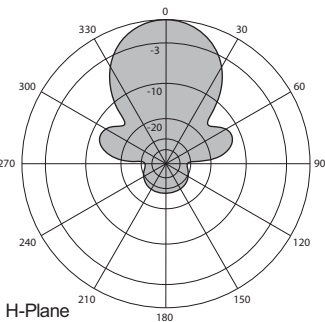
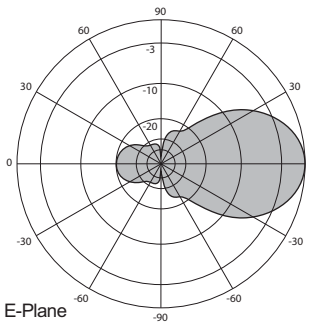
2000-1413-R Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
1710 to 1880	12.3	1.5:1	48	7.6	2.3	8	N(f)



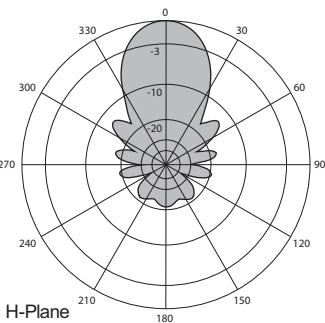
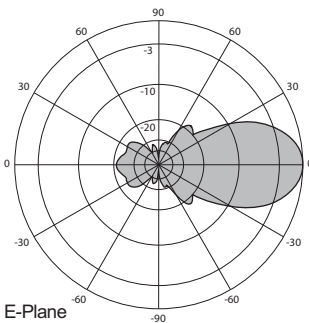
Specifications

Directional Antennas

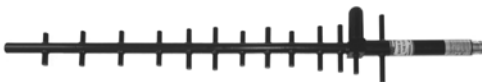
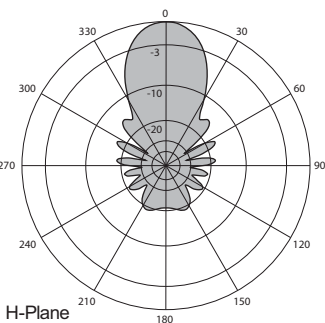
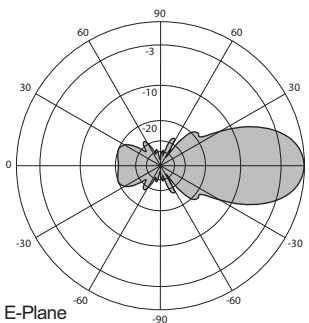
2000-1414-R	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
Frequency Range (MHz)							
1850 to 1990	11.4	1:3:1	25	7.6	0.45	6	N(f)



2000-1415-R	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
Frequency Range (MHz)							
2400 to 2500	14.1	1.5:1	41	6.4	0.57	10	N(f)



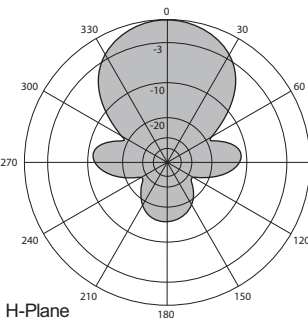
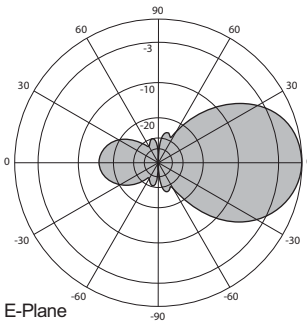
2000-1416-R	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
Frequency Range (MHz)							
1920 to 2170	14.1	1.5:1	59	9.3	0.53	12	N(f)



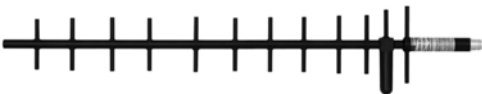
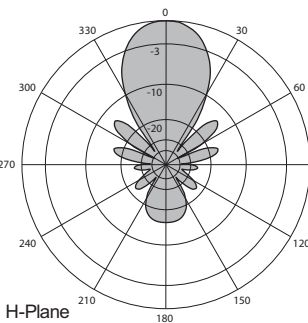
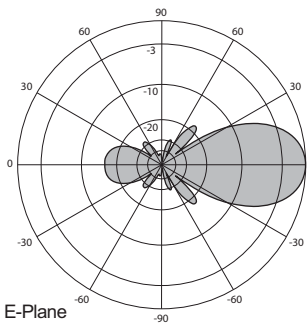
Directional Antennas

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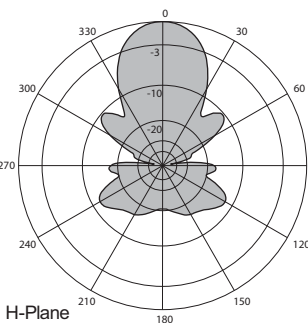
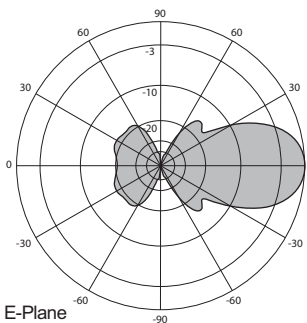
2000-1659-R							
Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
698 to 787	10.1	1.5:1	70	20	1.4	6	N(f)



2000-1660-R							
Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
1425 to 1535	14.3	1.4:1	66	13	1	12	N(f)



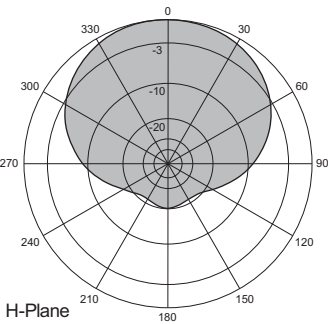
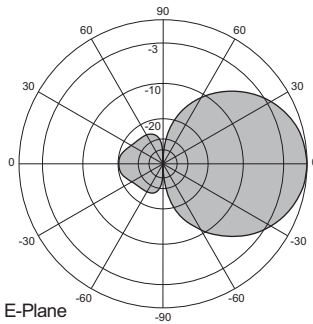
2000-1726-R							
Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
2500 to 2700	14.1	1.5:1	43	7.6	0.5	12	N(f)



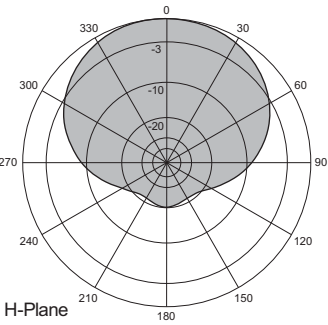
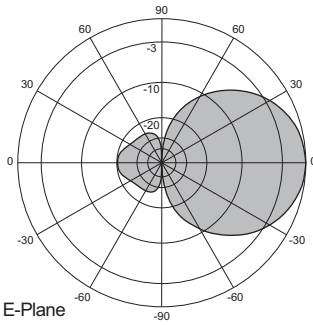
Specifications

Directional Antennas

2000-1812-R	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
Frequency Range (MHz)							
450 to 512	7.1	1.5:1	43	33	0.5	3	N(f)



2000-1825-R	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
Frequency Range (MHz)							
380 to 430	7.0	1.5:1	52.8	34.9	0.68	3	N(f)



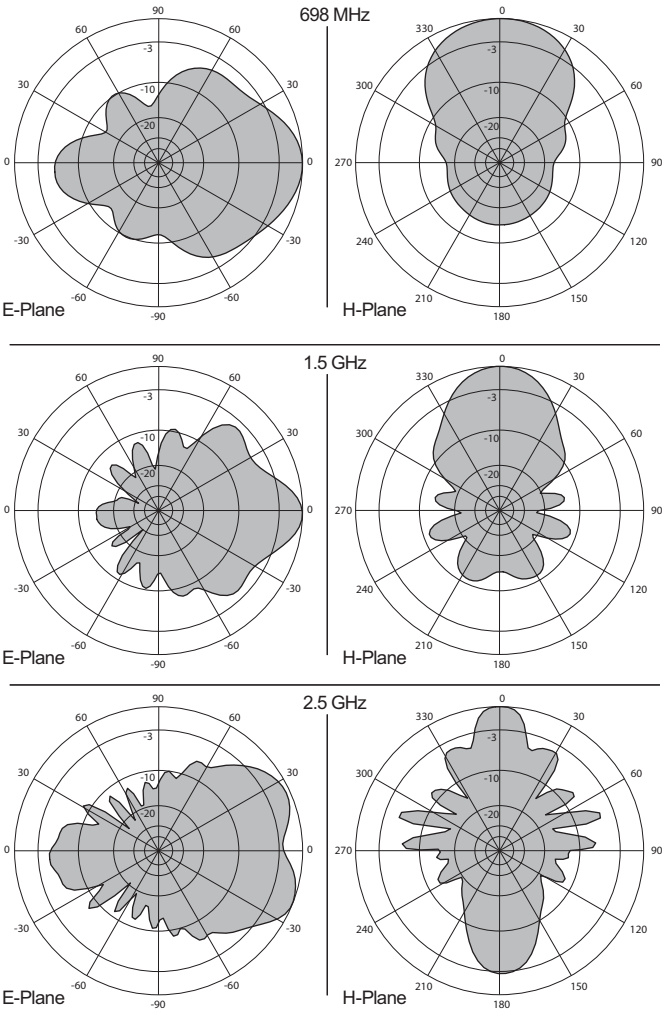
Directional Antennas

Specifications

Bi-Blade Antennas

2000-1715-R							
Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
698 to 2500	6 to 7 ^a	2:1 ^a	41	56	1.2	1	N(f)

a. Typical.

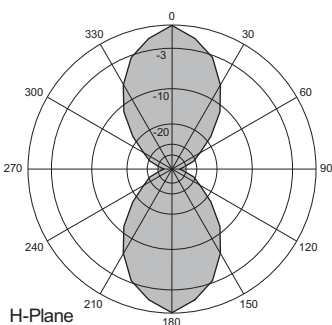
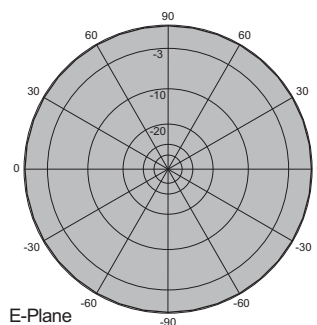


Specifications

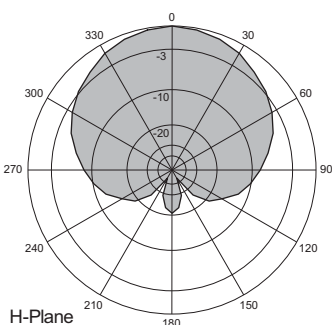
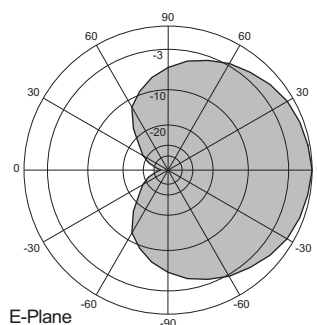
Directional Antennas

Loop Antennas

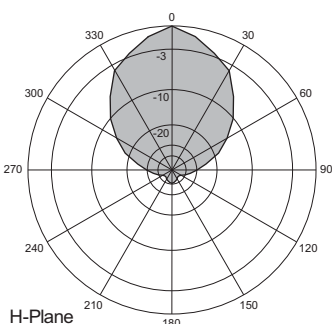
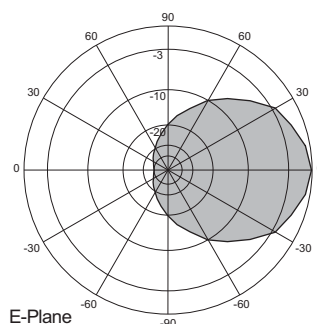
2000-1777-R Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
0.09 to 20	-160 to -42	-	39.8	29.0	0.46	NA	N(f)



2000-1778-R Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
20 to 200	-40 to -3	2.5:1	39.5	32.0	0.58	NA	N(f)



2000-1779-R Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
200 to 500	-13 to -4	2.5:1	24.5	16	0.36	NA	N(f)



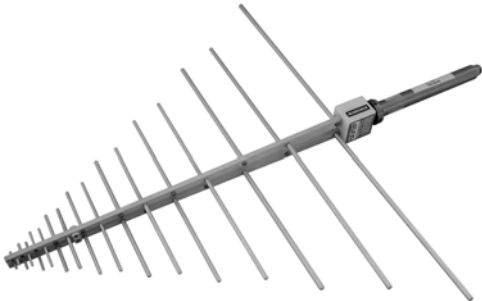
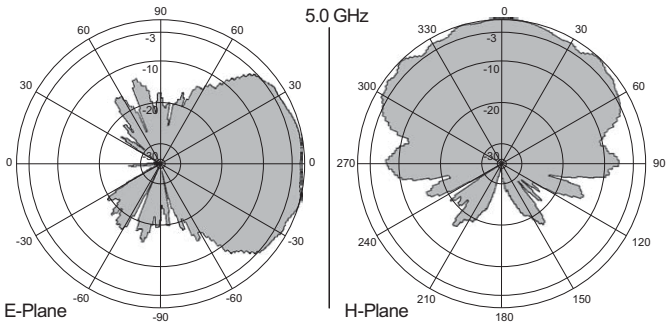
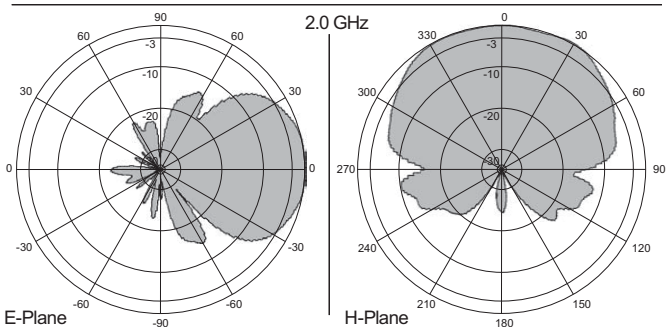
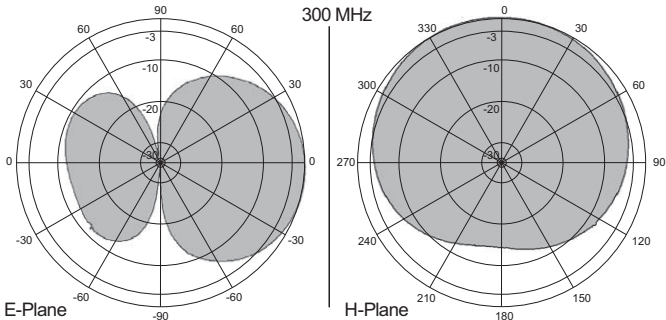
Directional Antennas

Specifications

Log Periodic Antennas

2000-1747-R							
Frequency Range (MHz)	Gain (dBi)	VSWR (max)	Length (cm)	Width (cm)	Weight (kg)	Number of Elements	Connector Type
300 to 7000	4 to 7 ^a	1.8:1	69	55	0.8	17	N(f)

a. Typical.



Directional Antennas

Connector Type

Notes

Specifications

Notes

Specifications

Notes

Notes

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