

Antennas to be used with HZB-U5358-480

Antenna Type	Frequency Range	Manufacturer	Model Number	Mid-band Gain (dBi)	Max Tx (dBm)
2 Foot Parabolic Dual Polarized	5.25-5.85 GHz	Gabriel	SSD2-52A	28.4	1.6 (5.25-5.35GHz)
					18.4 (5.725-5.825 GHz)
					0.6 (5.25-5.35 GHz)
	5.25-5.85 GHz	Andrew	P2F-52	29.4	17.4 (5.725-5.825 GHz)
					0.6 (5.25-5.35 GHz)
					17.4 (5.725-5.825 GHz)
3 Foot Parabolic Dual Polarized	5.25-5.85 GHz	Radio Waves	SPD3-5.2	31.1	-1.1 (5.25-5.35 GHz)
					15.7 (5.725-5.825 GHz)
					-3.4 (5.25-5.35 GHz)
	5.25-5.85 GHz	Andrew	P3F-52	33.4	13.4 (5.725-5.825 GHz)
					-3.4 (5.25-5.35 GHz)
					13.4 (5.725-5.825 GHz)
4 Foot Parabolic Dual Polarized	5.25-5.85 GHz	Gabriel	SSD4-52	34.1	-4.1 (5.25-5.35 GHz)
					12.7 (5.725-5.825 GHz)
					-4.4 (5.25-5.35 GHz)
	5.25-5.85 GHz	Radio Waves	SPD4-5.2	34.4	12.4 (5.725-5.825 GHz)
					-7.4 (5.25-5.35 GHz)
					9.4 (5.725-5.825 GHz)
6 Foot Parabolic Dual Polarized	5.25-5.85 GHz	Gabriel	SSD6-52	37.4	-7.5 (5.25-5.35 GHz)
					9.3 (5.725-5.825 GHz)
					-9.7 (5.25-5.35 GHz)
	5.25-5.85 GHz	Radio Waves	SPD6-5.2	37.5	7.1 (5.725-5.825 GHz)
					-9.7 (5.25-5.35 GHz)
					7.1 (5.725-5.825 GHz)
8 Foot Parabolic Dual Polarized	5.25-5.85 GHz	Gabriel	SSD8-52	39.7	-9.7 (5.25-5.35 GHz)
					7.1 (5.725-5.825 GHz)
					-9.7 (5.25-5.35 GHz)

Formula for determining maximum output power setting at the antenna input for 5.25-5.35 GHz Transmitters (@ EIRP=30dBm)

Max Tx (dBm) is the lesser of 2.3dBm (0.0017W) and 30 - G

where:

G = Antenna Gain

Tx is the output power measured at the antenna input

Formula for determining maximum output power setting at antenna input for 5.725-5.825 GHz Transmitters (@ EIRP=46.8dBm):

Max Tx (dBm) is the lesser of the 18.4Bm (0.069W) and 46.8 - G

where:

G = Antenna Gain

Tx is the output power measured at the antenna input

Note:

All Western Multiplex radios require professional installation.

Antennas with gain less than 28.4dBi are not allowed

Antennas of other make may be used with the HZB-U5358-480 device, but must be of the same type, dimensions and gain as those listed