Attachment 2

Antenna Type	Manufacturer	Model Number	Mid-band Gain (dBi)	Notes
1 Foot Flat Panel	Gabriel	DFPD1-52	23.5	
	Andrew	FPA5250D12-N	23.6	
2 Foot Flat Panel	Gabriel	DFPD2-52	28	
	Andrew	FPA5250D24-N	28.2	
2 Foot Parabolic	Gabriel	SSP2-52B	28.5	
	Gabriel	SSD2-52A	28.4	
	Gabriel	HSSP2-52	28.1	
	Radio Waves	SP2-5.2	28.3	
	Radio Waves	SPD2-5.2	28.1	
	Andrew	P2F-52	29.4	
	Andrew	PX2F-52	29.4	
3 Foot Parabolic	Radio Waves	SP3-5.2	31.4	
	Radio Waves	SPD3-5.2	31.1	
	Andrew	P3F-52	33.4	
	Andrew	PX3F-52	33.4	
4 Foot Parabolic	Gabriel	SSP4-52A	34.2	
	Gabriel	SSD4-52	34.1	
	Gabriel	HSSP4-52	33.9	
	Radio Waves	SP4-5.2	34.6	
	Radio Waves	SPD4-5.2	34.4	
6 Foot Parabolic	Gabriel	SSP6-52A	37.5	
	Gabriel	SSD6-52	37.4	
	Gabriel	HSSP6-52	37.2	
	Radio Waves	SP6-5.2	37.7	
	Radio Waves	SPD6-5.2	37.5	
8 Foot Parabolic	Gabriel	SSP8-52	39.8	
	Gabriel	SSD8-52	39.7	
	Gabriel	HSSP8-52	39.6	

Feeder Loss Type	Manufacturer	Model Number	Loss/100'	Notes
1/2" foam coax	Andrew	LDF 4-50	6.6 dB	add ~0.25 dB per connector
5/8" foam coax	Andrew	LDF 4.5-50	4.7 dB	add ~0.25 dB per connector
Waveguide	Andrew	EW-52	1.2 dB	does not include transitions

Formula for determining maximum output power setting for 5.2 GHz U-NII (LE-LAN) Transmitters (@ EIRP=30dBm):

Max Tx (dBm) is the lesser of 23dBm and 30 - G + FL

where: G = Antenna Gain

FL = Feeder Loss including connectors

Formula for determining maximum output power setting for 5.7 GHz U-NII (LE-LAN) Transmitters (@ EIRP=53dBm):

Max Tx (dBm) is the lesser of the 22dBm and 52.9 - G + FL

where: G = Antenna Gain

FL = Feeder Loss including connectors

Note: All Western Multiplex radios require professional installation.

Note: Western Multiplex U-NII devices have a built-in calibrated Tx Power Output Voltage port to aid in setting the output power correctly, without the use of an RF power meter. The measurement in Volts is multiplied by 10 for a measurement in dBm. e.g. 1.0 V = 10 dBm; 2.0 V = 20 dBm, 1.5 V = 15 dBm; 0.5 V = 5 dBm; etc.