

Antenna Information

Section 1. Antenna Assembly Specifications

1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	1E *Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
(P/N:1000418) Tx1/ Rx1 Left Antenna	Example: Ethertronics	Example: Isolated Magnetic Dipole	Example: (P/N: 939-1017-ND) 50 ohm Coaxial length: 100mm diameter: 1.13mm	2300-2400MHz -3.37dBi (peak)	2300-2400MHz -3.87 dBi (peak)	2300-2400MHz 3.64 max	2300-2400MHz 0.50 dBi (peak)
				2400-2500MHz -2.90 dBi (peak)	2400-2500MHz -3.4dBi (peak)	2400-2500MHz 4.69 max	2400-2500MHz 0.50dBi (peak)
				2500-2700MHz -3.01 dBi (peak)	2500-2700MHz -3.51 dBi (peak)	2500-2700MHz 5.43 max	2500-2700MHz 0.50 dBi (peak)
				3200-3400MHz -4.35 dBi (peak)	3200-3400MHz -4.95 dBi (peak)	3200-3400MHz 5.35 max	3200-3400MHz 0.60 dBi (peak)
				3400-3600MHz -4.06 dBi (peak)	3400-3600MHz -4.66 dBi (peak)	3400-3600MHz 4.91 max	3400-3600MHz 0.60 dBi (peak)
				3600-3800MHz -2.48 dBi (peak)	3600-3800MHz -3.08 dBi (peak)	3600-3800MHz 4.24 max	3600-3800MHz 0.60dBi (peak)
				5150-5350MHz -1.09 dBi (peak)	5150-5350MHz -1.84 dBi (peak)	5150-5350MHz 2.09 max	5150-5350MHz 0.75 dBi (peak)
				5470-5725MHz 2.36 dBi (peak)	5470-5725MHz 1.61 dBi (peak)	5470-5725MHz 1.85 max	5470-5725MHz 0.75dBi (peak)
				5725-5850MHz 2.37 dBi (peak)	5725-5850MHz 1.57 dBi (peak)	5725-5850MHz 1.43 max	5725-5850MHz 0.80dBi (peak)
(P/N:1000418) Tx2/ Rx2 Right Antenna	Example: Ethertronics	Example: Isolated Magnetic Dipole	Example: (P/N: 939-1017-ND) 50 ohm Coaxial length: 100mm diameter: 1.13mm	2300-2400MHz -2.49 dBi (peak)	2300-2400MHz -2.99 dBi (peak)	2300-2400MHz 3.44 max	2300-2400MHz 0.50 dBi (peak)
				2400-2500MHz -2.35 dBi (peak)	2400-2500MHz -2.85dBi (peak)	2400-2500MHz 3.84 max	2400-2500MHz 0.50dBi (peak)
				2500-2700MHz -2.52 dBi (peak)	2500-2700MHz -3.02 dBi (peak)	2500-2700MHz 4.87 max	2500-2700MHz 0.50 dBi (peak)
				3200-3400MHz -2.36 dBi (peak)	3200-3400MHz -2.96 dBi (peak)	3200-3400MHz 4.82 max	3200-3400MHz 0.60 dBi (peak)
				3400-3600MHz -2.36 dBi (peak)	3400-3600MHz -2.96 dBi (peak)	3400-3600MHz 4.53 max	3400-3600MHz 0.60 dBi (peak)
				3600-3800MHz -2.12 dBi (peak)	3600-3800MHz -2.72 dBi (peak)	3600-3800MHz 4.14 max	3600-3800MHz 0.60dBi (peak)
				5150-5350MHz 0.19 dBi (peak)	5150-5350MHz -0.56 dBi (peak)	5150-5350MHz 2.16 max	5150-5350MHz 0.75 dBi (peak)
				5470-5725MHz 3.25 dBi (peak)	5470-5725MHz 2.5 dBi (peak)	5470-5725MHz 2.45 max	5470-5725MHz 0.75dBi (peak)
				5725-5850MHz 3.42dBi (peak)	5725-5850MHz 2.62dBi (peak)	5725-5850MHz 1.54 max	5725-5850MHz 0.80dBi (peak)

- Antenna Peak Gain required being test in system basis.
- 1E frame contend worst case absolutely peak antenna gain

Antenna Peak Gain Table:

Frequency (MHz)	Tx1 antenna-Left Antenna		Tx2 Antenna-Right Antenna			
	Horizontal (dBi)	Vertical (dBi)	Horizontal (dBi)	Vertical (dBi)		
2300	-6.8108	-3.3690	-7.3314	-2.6517		
2350	-6.5789	-3.7206	-8.2506	-2.4906		
2400	-8.7324	-3.9901	-9.0990	-2.6156		
2450	-8.9651	-2.8961	-9.6056	-2.3489		
2500	-9.9963	-3.0097	-10.3035	-3.0143		
2600	-9.4981	-3.9598	-8.0011	-2.5212		
2700	-9.7184	-4.3898	-9.6719	-4.5792		
3200	-9.8853	-4.8090	-8.3474	-4.5119		
3300	-9.3643	-5.4374	-7.7936	-5.1692		
3400	-9.4473	-4.3540	-8.3425	-2.3627		
3500	-7.0161	-4.0633	-8.8556	-5.3760		
3600	-6.9132	-5.7458	-6.9079	-3.1022		
3700	-5.8546	-3.0142	-10.4957	-4.4836		
3800	-5.5512	-2.4821	-8.8518	-2.1237		
5150	-1.0867	-2.6362	0.1061	-1.4412		
5250	-1.1553	-1.7002	-1.6822	-1.1880		
5350	-1.8018	-2.1660	-1.7440	0.1876		
5470	-1.8193	-0.1245	-1.9074	2.1906		
5600	-2.5637	2.3595	-3.5779	2.6736		
5725	-3.7076	1.1529	0.2497	3.2503		
5785	-3.2361	1.1597	-0.7735	0.4007		
5850	-2.5319	2.3701	-2.4253	3.4243		