

Product Compliance Matrix



Model No:	FPA19-55VH-APO2/821	Notes: V Port  Denotes Non-Compliance
Date:	15/05/01	
Engineer:	D. Irvine	
PCB No:	3352-E	
Parasite No:	3353-D	

	Specification	5.250 GHz	5.625 GHz	5.875 GHz
Gain (dBi/dBiC)	18 dBi Nom, 17 dBi Min	18.4	18.4	18.1
Azimuth HPBW (°)	17° Typ	19	19	17
Elevation HPBW (°)	17° Typ	18	18	17
Electrical Tilt (°)	N/A			
Azimuth RPE (Side lobes, Null fill, front to back etc.)	Side lobes: -12dB Max Front to Back: -30 dB Min	-15.3 -46.0	-14.0 -34.0	-13.8 -29.6
Elevation RPE (Side lobes, Null fill, front to back etc.)	Side lobes: -12dB Max Front to Back: -30 dB Min	-14.3 -45.0	-13.2 -34.5	-14.7 -30.6
Azimuth Cross Polar/Axial Ratio (dB)	-25dB Typ, -20 dB Min	-22.1	-22.1	-20.7
Elevation Cross Polar/Axial Ratio (dB)	-25dB Typ, -20 dB Min	-19.0	-26.2	-26.3
Return Loss (dB)	-14 dB Typ, -12 dB Max	-18.0	-17.0	-14.0
Isolation (dB)	-25 dB Typ, -22 dB Min	<-40	<-40	<-40

Product Compliance Matrix



Model No:	FPA19-55VH-APO2/821	Notes: H Port  Denotes Non-Compliance
Date:	15/05/01	
Engineer:	D. Irvine	
PCB No:	3352-E	
Parasite No:	3353-D	

	Specification	5.250 GHz	5.625 GHz	5.875 GHz
Gain (dBi/dBiC)	18 dBi Nom, 17 dBi Min	17.3	18.0	18.3
Azimuth HPBW (°)	17° Typ	18	18	16.5
Elevation HPBW (°)	17° Typ	19	170	17.5
Electrical Tilt (°)	N/A			
Azimuth RPE (Side lobes, Null fill, front to back etc.)	Side lobes: -12dB Max Front to Back: -30 dB Min	-14.0 >-40	-13.3 >-35	-12.2 >-29
Elevation RPE (Side lobes, Null fill, front to back etc.)	Side lobes: -12dB Max Front to Back: -30 dB Min	-17.0 >-35	-18.0 >-40	-14.4 -30
Azimuth Cross Polar/Axial Ratio (dB)	-25dB Typ, -20 dB Min	-17.3	-28.9	-30.0
Elevation Cross Polar/Axial Ratio (dB)	-25dB Typ, -20 dB Min	-23.9	-27.7	-24.4
Return Loss (dB)	-14 dB Typ, -12 dB Max	-14.0	-19.0	-23.0
Isolation (dB)	-25 dB Typ, -22 dB Min	<-40	<-40	<-40