



Technical Specifications

AVIAT ODU 600

Used in Conjunction with CTR 8540 & CTR 8300

ANSI

ODU 600 General Specifications

General

Frequency Band options	5, L6/U6, 7 FCC, 7, 8, 11, 13, 15, 18, 23 and 38 GHz	
Modulation and Coding Options	Fixed and Adaptive Coding	QPSK, 16, 32, 64, 128, 256, 512 and 1024 QAM Maximum Gain
Channel Sizes Supported	3.75, 5, 10, 20, 25, 27.5/28 MHz, 30, 40, 50, 60 and 80 MHz	
Capacity Range	Airlink Capacity	4-436 Mbit/s
	Ethernet / IP Throughput	4-554 Mbit/s

CTR Compatibility

CTR 8540 Radio Access Cards (RACs)	RAC 1x and RAC 2x
Indoor Units (IDUs)	CTR 8311 and CTR 8312
	IDU GE 20x

Electrical and Mechanical

Power	Typical	40 Watts
Size [1]	10.4 in. x 10.4 in. x 4.9 in. (265 mm x 265 mm x 125 mm)	
Weight	11 lb. (5 kg)	

Environmental

Operating Temperature	Guaranteed	-27° to +131°F (-33° to +55°C)
	Extended	-40° to +149°F (-40° to +65°C) ^[2]
Humidity	Guaranteed	100%
Altitude	Guaranteed	15,000 ft (4500 m)

Standards Compliance

EMC	FCC CFR 47, Part 15, ICES-003	
Operation	EN 300 019-2-4, Class 4.1 (ODU 600, CTR 8380)	
	EN 300 019-2-3, Class 3.1E (CTR 8540, CTR 8311, CTR 8312)	
Safety	UL 60950-1, UL 60950-22	
RF Performance	All federal frequencies	FCC CFR 47, Part 101
		Manual of Regulations for Federal Radio Frequency Management
Ingress Protection		IEC 60529, IP66 (ODU 600)
Lightning Protection	Internal, compliant to IEC 61000-4-5, Class 5	
Electric power substations	IEEE 1613 (CTR 8312, CTR 8380 DC, ODU 600)	

Security

Payload Encryption	Compliance	FIPS 197 AES #4620 (CTR 8300)
		AES #4621 (CTR 8540)

IF Specifications

IF Frequency	Transmit	311 MHz
	Receive	126 MHz
IF Cable Length	CNT-300	150 Meters
	CNT-400	300 Meters

IF Cable connector

IF Cable connector	N-Type
AGC monitor point	BNC
Antenna port Interface	Direct Antenna Mount
Polarisation, field selectable	ODU Rotation

*[] See notes in last page

Transmitter Specifications

Transmit Power Tolerance	5-23 GHz	± 2.0 dB
	38 GHz	± 2.5 dB
Transmitter Source	Synthesized	
Frequency Stability	± 5 ppm	
Manual Transmitter Power Control Range	Configurable in 0.1 dB steps from min to max power levels (Refer Tx Power Specifications)	
Automatic Transmitter Power Control	Range	Configurable over the full available manual attenuation range
	Resolution / Speed	0.1 dB steps / 6 dB per second
Synthesizer Resolution	250 KHz	
Transmitter Mute	> 50 dB	

Receiver Specifications

Receiver Source	Synthesized	
Frequency Stability	± 5 ppm	
Receiver Overload	BER = 1E-6	-22 dBm
	BER = 1E-3	-20 dBm
Residual (Background) Bit Error Rate	Better than 1E-13	
RSSI Accuracy [4]	-40 to -70 dBm (-40° to +95°F)	± 2dB
	-25 to -85 dBm (-58° to +131°F)	± 4dB

*[] See notes in last page

Capacity Profiles

	Modulation	Air Link Capacity	Ethernet Throughput ^[5]		Capacity License Full Throughput ^[6]
			Min	Max	
3.75 MHz Channel					
ACM/Fixed Max System Gain	QPSK	4 Mbps	4 Mbps	5 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	10 Mbps	10 Mbps	12 Mbps	50 Mbps
ACM/Fixed Max System Gain	32 QAM	12 Mbps	12 Mbps	15 Mbps	50 Mbps
ACM/Fixed Max System Gain	64 QAM	15 Mbps	15 Mbps	19 Mbps	50 Mbps
ACM/Fixed Max System Gain	128 QAM	17 Mbps	17 Mbps	22 Mbps	50 Mbps
ACM/Fixed Max System Gain	256 QAM	19 Mbps	19 Mbps	24 Mbps	50 Mbps
5 MHz Channel					
ACM/Fixed Max System Gain	QPSK	6 Mbps	6 Mbps	7 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	14 Mbps	14 Mbps	17 Mbps	50 Mbps
ACM/Fixed Max System Gain	32 QAM	17 Mbps	17 Mbps	21 Mbps	50 Mbps
ACM/Fixed Max System Gain	64 QAM	21 Mbps	21 Mbps	27 Mbps	50 Mbps
ACM/Fixed Max System Gain	128 QAM	24 Mbps	24 Mbps	31 Mbps	50 Mbps
ACM/Fixed Max System Gain	256 QAM	27 Mbps	27 Mbps	34 Mbps	50 Mbps
ACM/Fixed Max System Gain	512 QAM	30 Mbps	31 Mbps	38 Mbps	50 Mbps
10 MHz Channel ^[7]					
ACM/Fixed Max System Gain	QPSK	12 Mbps	13 Mbps	16 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	30 Mbps	31 Mbps	39 Mbps	50 Mbps
ACM/Fixed Max System Gain	32 QAM	36 Mbps	36 Mbps	46 Mbps	50 Mbps
ACM/Fixed Max System Gain	64 QAM	45 Mbps	45 Mbps	57 Mbps	100 Mbps
ACM/Fixed Max System Gain	128 QAM	50 Mbps	51 Mbps	64 Mbps	100 Mbps
ACM/Fixed Max System Gain	256 QAM	57 Mbps	58 Mbps	73 Mbps	100 Mbps
ACM/Fixed Max System Gain	512 QAM	66 Mbps	67 Mbps	84 Mbps	100 Mbps
ACM/Fixed Max System Gain	1024 QAM	71 Mbps	72 Mbps	91 Mbps	100 Mbps
20 MHz Channel					
ACM/Fixed Max System Gain	QPSK	26 Mbps	27 Mbps	34 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	60 Mbps	61 Mbps	76 Mbps	50 Mbps
ACM/Fixed Max System Gain	32 QAM	71 Mbps	72 Mbps	90 Mbps	50 Mbps
ACM/Fixed Max System Gain	64 QAM	88 Mbps	89 Mbps	112 Mbps	100 Mbps
ACM/Fixed Max System Gain	128 QAM	102 Mbps	103 Mbps	130 Mbps	100 Mbps
ACM/Fixed Max System Gain	256 QAM	120 Mbps	122 Mbps	153 Mbps	100 Mbps
ACM/Fixed Max System Gain	512 QAM	139 Mbps	140 Mbps	176 Mbps	100 Mbps
ACM/Fixed Max System Gain	1024 QAM	152 Mbps	153 Mbps	193 Mbps	100 Mbps
25 MHz Channel					
ACM/Fixed Max System Gain	QPSK	33 Mbps	34 Mbps	43 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	75 Mbps	76 Mbps	96 Mbps	100 Mbps
ACM/Fixed Max System Gain	32 QAM	90 Mbps	91 Mbps	114 Mbps	150 Mbps
ACM/Fixed Max System Gain	64 QAM	110 Mbps	112 Mbps	141 Mbps	150 Mbps
ACM/Fixed Max System Gain	128 QAM	129 Mbps	131 Mbps	165 Mbps	200 Mbps
ACM/Fixed Max System Gain	256 QAM	152 Mbps	154 Mbps	194 Mbps	200 Mbps
ACM/Fixed Max System Gain	512 QAM	175 Mbps	178 Mbps	224 Mbps	250 Mbps
ACM/Fixed Max System Gain	1024 QAM	192 Mbps	195 Mbps	245 Mbps	250 Mbps
27.5 / 28 MHz Channel					
ACM/Fixed Max System Gain	QPSK	38 Mbps	38 Mbps	48 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	73 Mbps	74 Mbps	93 Mbps	100 Mbps
ACM/Fixed Max System Gain	32 QAM	112 Mbps	114 Mbps	143 Mbps	150 Mbps
ACM/Fixed Max System Gain	64 QAM	121 Mbps	122 Mbps	154 Mbps	150 Mbps
ACM/Fixed Max System Gain	128 QAM	158 Mbps	160 Mbps	201 Mbps	200 Mbps
ACM/Fixed Max System Gain	256 QAM	181 Mbps	183 Mbps	231 Mbps	200 Mbps
ACM/Fixed Max System Gain	512 QAM	203 Mbps	205 Mbps	258 Mbps	250 Mbps
ACM/Fixed Max System Gain	1024 QAM	212 Mbps	215 Mbps	270 Mbps	250 Mbps

*[] See notes in last page

Capacity Profiles

	Modulation	Air Link Capacity	Ethernet Throughput ^[5]		Capacity License Full Throughpu ^[6]
			Min	Max	
30 MHz Channel					
ACM/Fixed Max System Gain	QPSK	39 Mbps	40 Mbps	50 Mbps	50 Mbps
ACM/Fixed Max System Gain	16 QAM	90 Mbps	91 Mbps	115 Mbps	100 Mbps
ACM/Fixed Max System Gain	32 QAM	108 Mbps	109 Mbps	137 Mbps	150 Mbps
ACM/Fixed Max System Gain	64 QAM	135 Mbps	137 Mbps	172 Mbps	150 Mbps
ACM/Fixed Max System Gain	128 QAM	155 Mbps	157 Mbps	197 Mbps	200 Mbps
ACM/Fixed Max System Gain	256 QAM	180 Mbps	182 Mbps	229 Mbps	200 Mbps
ACM/Fixed Max System Gain	512 QAM	210 Mbps	213 Mbps	267 Mbps	250 Mbps
ACM/Fixed Max System Gain	1024 QAM	230 Mbps	233 Mbps	293 Mbps	250 Mbps
40 MHz Channel					
ACM/Fixed Max System Gain	QPSK	53 Mbps	54 Mbps	68 Mbps	100 Mbps
ACM/Fixed Max System Gain	16 QAM	120 Mbps	122 Mbps	153 Mbps	150 Mbps
ACM/Fixed Max System Gain	32 QAM	135 Mbps	137 Mbps	172 Mbps	200 Mbps
ACM/Fixed Max System Gain	64 QAM	178 Mbps	180 Mbps	227 Mbps	200 Mbps
ACM/Fixed Max System Gain	128 QAM	210 Mbps	212 Mbps	267 Mbps	250 Mbps
ACM/Fixed Max System Gain	256 QAM	240 Mbps	243 Mbps	306 Mbps	250 Mbps
ACM/Fixed Max System Gain	512 QAM	275 Mbps	278 Mbps	350 Mbps	300 Mbps
ACM/Fixed Max System Gain	1024 QAM	300 Mbps	304 Mbps	382 Mbps	300 Mbps
50 MHz Channel					
ACM/Fixed Max System Gain	QPSK	63 Mbps	64 Mbps	80 Mbps	100 Mbps
ACM/Fixed Max System Gain	16 QAM	150 Mbps	152 Mbps	191 Mbps	150 Mbps
ACM/Fixed Max System Gain	32 QAM	172 Mbps	174 Mbps	219 Mbps	200 Mbps
ACM/Fixed Max System Gain	64 QAM	213 Mbps	215 Mbps	271 Mbps	250 Mbps
ACM/Fixed Max System Gain	128 QAM	258 Mbps	261 Mbps	328 Mbps	300 Mbps
ACM/Fixed Max System Gain	256 QAM	300 Mbps	304 Mbps	382 Mbps	300 Mbps
ACM/Fixed Max System Gain	512 QAM	355 Mbps	359 Mbps	452 Mbps	400 Mbps
ACM/Fixed Max System Gain	1024 QAM	371 Mbps	376 Mbps	472 Mbps	400 Mbps
60 MHz Channel					
ACM/Fixed Max System Gain	QPSK	74 Mbps	75 Mbps	94 Mbps	100 Mbps
ACM/Fixed Max System Gain	16 QAM	150 Mbps	152 Mbps	191 Mbps	200 Mbps
ACM/Fixed Max System Gain	32 QAM	228 Mbps	231 Mbps	290 Mbps	250 Mbps
ACM/Fixed Max System Gain	64 QAM	250 Mbps	253 Mbps	318 Mbps	300 Mbps
ACM/Fixed Max System Gain	128 QAM	323 Mbps	327 Mbps	411 Mbps	350 Mbps
ACM/Fixed Max System Gain	256 QAM	373 Mbps	377 Mbps	474 Mbps	400 Mbps
ACM/Fixed Max System Gain	512 QAM	417 Mbps	422 Mbps	530 Mbps	450 Mbps
ACM/Fixed Max System Gain	1024 QAM	436 Mbps	441 Mbps	554 Mbps	450 Mbps
80 MHz Channel					
ACM/Fixed Max System Gain	QPSK	74 Mbps	75 Mbps	94 Mbps	100 Mbps
ACM/Fixed Max System Gain	16 QAM	150 Mbps	152 Mbps	191 Mbps	200 Mbps
ACM/Fixed Max System Gain	32 QAM	228 Mbps	231 Mbps	290 Mbps	250 Mbps
ACM/Fixed Max System Gain	64 QAM	250 Mbps	253 Mbps	318 Mbps	300 Mbps
ACM/Fixed Max System Gain	128 QAM	323 Mbps	327 Mbps	411 Mbps	350 Mbps
ACM/Fixed Max System Gain	256 QAM	373 Mbps	377 Mbps	474 Mbps	400 Mbps
ACM/Fixed Max System Gain	512 QAM	417 Mbps	422 Mbps	530 Mbps	450 Mbps
ACM/Fixed Max System Gain	1024 QAM	436 Mbps	441 Mbps	554 Mbps	450 Mbps

*[] See notes in last page

Transmitter Specifications

System

	5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
Frequency Range (GHz)	4.4 - 5.0	5.925 - 7.125	6.875-7.125	7.125 - 7.9	7.7 - 8.5	10.7 - 11.7
TR-Spacings Supported (MHz)	300, 312	150, 160, 170, 252.04, 340	150	150, 175, 300	360	490, 500
Standard	ITU-R F.1099-4	FCC Part 101 SRSP 306.4 & 305.9	FCC Part 74 & 101	SRSP 307.1 NTIA Red Book	SRSP 307.7 NTIA Red Book	FCC Part 101 SRSP 310.7
Maximum Tuning Range (Dependent upon T-R Spacing (MHz))	140	56	56	140	140	165

Antenna Interface

Waveguide Type	N/A	R70 (WR137)	R70 (WR137)	R84 (WR112)	R84 (WR112)	R100 (WR90)
Flange Type	Coax	UDR70	UDR70	UDR84	UDR84	UDR100
Mating Flange Type	N-Type	PDR70 or CDR70	PDR70 or CDR70	PDR84 or CDR84	PDR84 or CDR84	PDR100 or CDR100

Transmitter Power Output Specifications with High Power Option^[9], in dBm (Nominal)

	5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
QPSK	30.0	32.0	32.0	32.0	31.0	29.0
16QAM	28.0	31.5	31.5	31.0	30.0	28.5
32QAM	26.5	31.5	31.5	30.5	29.5	28.5
64QAM	25.0	31.0	31.0	29.0	28.0	28.5
128QAM	25.0	31.0	31.0	29.0	28.0	28.0
256QAM	23.0	31.0	31.0	28.0	27.0	28.0
512QAM	22.0	29.0	29.0	27.5	26.5	27.0
1024QAM	21.0	28.0	28.0	27.0	26.0	26.0
Minimum Configurable Power Level	0	12	12	12	11	9

Receiver Specifications

Receiver Threshold BER=1E-6^[8], in dBm (Typical)

	Air Link Capacity	Modulation	5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
3.75 MHz Channel								
ACM / Fixed	4 Mbps	QPSK		-98.75				-97.50
ACM / Fixed	10 Mbps	16QAM		-91.00				-89.75
ACM / Fixed	12 Mbps	32QAM		-87.75				-86.50
ACM / Fixed	15 Mbps	64QAM		-85.25				-84.00
ACM / Fixed	17 Mbps	128QAM		-82.75				-81.50
ACM / Fixed	19 Mbps	256QAM		-79.75				-78.50

*[] See notes in last page

Receiver Specifications

Receiver Thershold BER=1E-6^[8], in dBm (Typical)

Air Link Capacity Modulation			5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
5 MHz Channel								
ACM / Fixed	6 Mbps	QPSK	-96.00	-97.00	-97.00	-97.00	-97.00	-95.75
ACM / Fixed	14 Mbps	16QAM	-88.75	-89.75	-89.75	-89.75	-89.75	-88.50
ACM / Fixed	17 Mbps	32QAM	-85.75	-86.75	-86.75	-86.75	-86.75	-85.50
ACM / Fixed	21 Mbps	64QAM	-83.00	-84.00	-84.00	-84.00	-84.00	-82.75
ACM / Fixed	24 Mbps	128QAM	-80.00	-81.00	-81.00	-81.00	-81.00	-79.75
ACM / Fixed	27 Mbps	256QAM	-77.25	-78.25	-78.25	-78.25	-78.25	-77.00
ACM / Fixed	30 Mbps	512QAM	-74.00	-75.00	-75.00	-75.00	-75.00	-73.75
10 MHz Channel								
ACM / Fixed	12 Mbps	QPSK	-92.75	-93.75	-93.75	-93.75	-93.75	-92.50
ACM / Fixed	30 Mbps	16QAM	-85.00	-86.00	-86.00	-86.00	-86.00	-84.75
ACM / Fixed	36 Mbps	32QAM	-82.50	-83.50	-83.50	-83.50	-83.50	-82.25
ACM / Fixed	45 Mbps	64QAM	-79.50	-80.50	-80.50	-80.50	-80.50	-79.25
ACM / Fixed	50 Mbps	128QAM	-76.50	-77.50	-77.50	-77.50	-77.50	-76.25
ACM / Fixed	57 Mbps	256QAM	-73.25	-74.25	-74.25	-74.25	-74.25	-73.00
ACM / Fixed	66 Mbps	512QAM	-70.00	-71.00	-71.00	-71.00	-71.00	-69.75
ACM / Fixed	71 Mbps	1024QAM	-67.00	-68.00	-68.00	-68.00	-68.00	-66.75
20 MHz Channel ^[10]								
ACM / Fixed	26 Mbps	QPSK	-89.75	-90.75		-90.75	-90.75	-89.50
ACM / Fixed	60 Mbps	16QAM	-82.50	-83.50		-83.50	-83.50	-82.25
ACM / Fixed	71 Mbps	32QAM	-79.75	-80.75		-80.75	-80.75	-79.50
ACM / Fixed	88 Mbps	64QAM	-77.25	-78.25		-78.25	-78.25	-77.00
ACM / Fixed	102 Mbps	128QAM	-74.50	-75.50		-75.50	-75.50	-74.25
ACM / Fixed	120 Mbps	256QAM	-71.00	-72.00		-72.00	-72.00	-70.75
ACM / Fixed	139 Mbps	512QAM	-67.25	-68.25		-68.25	-68.25	-67.00
ACM / Fixed	152 Mbps	1024QAM	-63.75	-64.75		-64.50	-64.50	-63.25
25 MHz Channel								
ACM / Fixed	33 Mbps	QPSK			-89.50			
ACM / Fixed	75 Mbps	16QAM			-82.75			
ACM / Fixed	90 Mbps	32QAM			-79.75			
ACM / Fixed	110 Mbps	64QAM			-77.25			
ACM / Fixed	129 Mbps	128QAM			-74.50			
ACM / Fixed	152 Mbps	256QAM			-71.00			
ACM / Fixed	175 Mbps	512QAM			-67.50			
ACM / Fixed	192 Mbps	1024QAM			-63.75			
30 MHz Channel								
ACM / Fixed	39 Mbps	QPSK	-87.75	-88.75		-88.75	-88.75	-87.50
ACM / Fixed	90 Mbps	16QAM	-81.00	-82.00		-82.00	-82.00	-80.75
ACM / Fixed	108 Mbps	32QAM	-78.00	-79.00		-79.00	-79.00	-77.75
ACM / Fixed	135 Mbps	64QAM	-75.25	-76.25		-76.25	-76.25	-75.00
ACM / Fixed	155 Mbps	128QAM	-72.75	-73.75		-73.75	-73.75	-72.50
ACM / Fixed	180 Mbps	256QAM	-69.50	-70.50		-70.50	-70.50	-69.25
ACM / Fixed	210 Mbps	512QAM	-65.50	-66.50		-66.50	-66.50	-65.25
ACM / Fixed	230 Mbps	1024QAM	-62.00	-63.00		-63.00	-63.00	-61.75
40 MHz Channel								
ACM / Fixed	53 Mbps	QPSK	-86.50			-87.50	-87.50	-86.25
ACM / Fixed	120 Mbps	16QAM	-79.75			-80.75	-80.75	-79.50
ACM / Fixed	135 Mbps	32QAM	-77.25			-78.25	-78.25	-77.00
ACM / Fixed	178 Mbps	64QAM	-74.00			-75.00	-75.00	-73.75
ACM / Fixed	210 Mbps	128QAM	-71.25			-72.25	-72.25	-71.00
ACM / Fixed	240 Mbps	256QAM	-68.25			-69.25	-69.25	-68.00
ACM / Fixed	275 Mbps	512QAM	-64.75			-65.50	-65.50	-64.25
ACM / Fixed	300 Mbps	1024QAM	-61.25			-62.00	-62.00	-60.75

*[] See notes in last page

Receiver Specifications

Receiver Threshold BER=1E-6^[8], in dBm (Typical)

Air Link Capacity Modulation			5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
50 MHz Channel								
ACM / Fixed	63 Mbps	QPSK				-86.75	-86.75	-85.50
ACM / Fixed	150 Mbps	16QAM				-79.75	-79.75	-78.50
ACM / Fixed	172 Mbps	32QAM				-77.00	-77.00	-75.75
ACM / Fixed	213 Mbps	64QAM				-74.75	-74.75	-73.50
ACM / Fixed	258 Mbps	128QAM				-71.50	-71.50	-70.25
ACM / Fixed	300 Mbps	256QAM				-68.25	-68.25	-67.00
ACM / Fixed	355 Mbps	512QAM				-64.00	-64.00	-62.75
ACM / Fixed	371 Mbps	1024QAM				-61.25	-61.25	-60.00
60 MHz Channel ^[11]								
ACM / Fixed	74 Mbps	QPSK		-86.00				
ACM / Fixed	150 Mbps	16QAM		-80.25				
ACM / Fixed	228 Mbps	32QAM		-75.25				
ACM / Fixed	250 Mbps	64QAM		-74.00				
ACM / Fixed	323 Mbps	128QAM		-70.00				
ACM / Fixed	373 Mbps	256QAM		-66.50				
ACM / Fixed	417 Mbps	512QAM		-63.25				
ACM / Fixed	436 Mbps	1024QAM		-60.25				
80 MHz Channel								
ACM / Fixed	74 Mbps	QPSK						-84.75
ACM / Fixed	150 Mbps	16QAM						-79.00
ACM / Fixed	228 Mbps	32QAM						-74.00
ACM / Fixed	250 Mbps	64QAM						-72.75
ACM / Fixed	323 Mbps	128QAM						-68.75
ACM / Fixed	373 Mbps	256QAM						-65.25
ACM / Fixed	417 Mbps	512QAM						-62.00
ACM / Fixed	436 Mbps	1024QAM						-59.00

*[] See notes in last page

System Gain Specifications

System Gain BER=1E-6,^[8] in dB (Typical)

Air Link Capacity Modulation			5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
3.75 MHz Channel								
ACM / Fixed	4 Mbps	QPSK		130.75				126.5
ACM / Fixed	10 Mbps	16QAM		122.5				118.25
ACM / Fixed	12 Mbps	32QAM		119.25				115.0
ACM / Fixed	15 Mbps	64QAM		116.25				112.5
ACM / Fixed	17 Mbps	128QAM		113.75				109.5
ACM / Fixed	19 Mbps	256QAM		110.75				106.5
5 MHz Channel								
ACM / Fixed	6 Mbps	QPSK	126.0	129.0	129.0	129.0	128.0	124.75
ACM / Fixed	14 Mbps	16QAM	116.75	121.25	121.25	120.75	119.75	117.0
ACM / Fixed	17 Mbps	32QAM	112.25	118.25	118.25	117.25	116.25	114.0
ACM / Fixed	21 Mbps	64QAM	108.0	115.0	115.0	113.0	112.0	111.25
ACM / Fixed	24 Mbps	128QAM	105.0	112.0	112.0	110.0	109.0	107.75
ACM / Fixed	27 Mbps	256QAM	100.25	109.25	109.25	106.25	105.25	105.0
ACM / Fixed	30 Mbps	512QAM	96.0	104.0	104.0	102.5	101.5	100.75
10 MHz Channel								
ACM / Fixed	12 Mbps	QPSK	122.75	125.75	125.75	125.75	124.75	121.5
ACM / Fixed	30 Mbps	16QAM	113.0	117.5	117.5	117.0	116.0	113.25
ACM / Fixed	36 Mbps	32QAM	109.0	115.0	115.0	114.0	113.0	110.75
ACM / Fixed	45 Mbps	64QAM	104.5	111.5	111.5	109.5	108.5	107.75
ACM / Fixed	50 Mbps	128QAM	101.5	108.5	108.5	106.5	105.5	104.25
ACM / Fixed	57 Mbps	256QAM	96.25	105.25	105.25	102.25	101.25	101.0
ACM / Fixed	66 Mbps	512QAM	92.0	100.0	100.0	98.5	97.5	96.75
ACM / Fixed	71 Mbps	1024QAM	88.0	96.0	96.0	95.0	94.0	92.75
20 MHz Channel^[10]								
ACM / Fixed	26 Mbps	QPSK	119.75	122.75		122.75	121.75	118.5
ACM / Fixed	60 Mbps	16QAM	110.5	115.0		114.5	113.5	110.75
ACM / Fixed	71 Mbps	32QAM	106.25	112.25		111.25	110.25	108.0
ACM / Fixed	88 Mbps	64QAM	102.25	109.25		107.25	106.25	105.5
ACM / Fixed	102 Mbps	128QAM	99.5	106.5		104.5	103.5	102.25
ACM / Fixed	120 Mbps	256QAM	94.0	103.0		100.0	99.0	98.75
ACM / Fixed	139 Mbps	512QAM	89.25	97.25		95.75	94.75	94.0
ACM / Fixed	152 Mbps	1024QAM	84.75	92.75		91.5	90.5	89.25
25 MHz Channel								
ACM / Fixed	33 Mbps	QPSK			121.5			
ACM / Fixed	75 Mbps	16QAM			114.25			
ACM / Fixed	90 Mbps	32QAM			111.25			
ACM / Fixed	110 Mbps	64QAM			108.25			
ACM / Fixed	129 Mbps	128QAM			105.5			
ACM / Fixed	152 Mbps	256QAM			102.0			
ACM / Fixed	175 Mbps	512QAM			96.5			
ACM / Fixed	192 Mbps	1024QAM			91.75			
30 MHz Channel								
ACM / Fixed	39 Mbps	QPSK	117.75	120.75		120.75	119.75	116.5
ACM / Fixed	90 Mbps	16QAM	109.0	113.5		113.0	112.0	109.25
ACM / Fixed	108 Mbps	32QAM	104.5	110.5		109.5	108.5	106.25
ACM / Fixed	135 Mbps	64QAM	100.25	107.25		105.25	104.25	103.5
ACM / Fixed	155 Mbps	128QAM	97.75	104.75		102.75	101.75	100.5
ACM / Fixed	180 Mbps	256QAM	92.5	101.5		98.5	97.5	97.25
ACM / Fixed	210 Mbps	512QAM	87.5	95.5		94.0	93.0	92.25
ACM / Fixed	230 Mbps	1024QAM	83.0	91.0		90.0	89.0	87.75

*[] See notes in last page

System Gain Specifications

System Gain BER=1E-6,^[8] in dB (Typical)

	Air Link Capacity	Modulation	5 GHz	L6/U6 GHz ^[12]	7 GHz FCC	7 GHz	8 GHz	11 GHz ^[13]
40 MHz Channel								
ACM / Fixed	53 Mbps	QPSK				119.5	118.5	115.25
ACM / Fixed	120 Mbps	16QAM				111.75	110.75	108.0
ACM / Fixed	135 Mbps	32QAM				108.75	107.75	105.5
ACM / Fixed	178 Mbps	64QAM				104.0	103.0	102.25
ACM / Fixed	210 Mbps	128QAM				101.25	100.25	99.0
ACM / Fixed	240 Mbps	256QAM				97.25	96.25	96.0
ACM / Fixed	275 Mbps	512QAM				93.0	92.0	91.25
ACM / Fixed	300 Mbps	1024QAM				89.0	88.0	86.75
50 MHz Channel								
ACM / Fixed	63 Mbps	QPSK				118.75	117.75	114.5
ACM / Fixed	150 Mbps	16QAM				110.75	109.75	107.0
ACM / Fixed	172 Mbps	32QAM				107.5	106.5	104.25
ACM / Fixed	213 Mbps	64QAM				103.75	102.75	102.0
ACM / Fixed	258 Mbps	128QAM				100.5	99.5	98.25
ACM / Fixed	300 Mbps	256QAM				96.25	95.25	95.0
ACM / Fixed	355 Mbps	512QAM				91.5	90.5	89.75
ACM / Fixed	371 Mbps	1024QAM				88.25	87.25	86.0
60 MHz Channel^[11]								
ACM / Fixed	74 Mbps	QPSK		118.0				
ACM / Fixed	150 Mbps	16QAM		111.75				
ACM / Fixed	228 Mbps	32QAM		106.75				
ACM / Fixed	250 Mbps	64QAM		105.0				
ACM / Fixed	323 Mbps	128QAM		101.0				
ACM / Fixed	373 Mbps	256QAM		97.5				
ACM / Fixed	417 Mbps	512QAM		92.25				
ACM / Fixed	436 Mbps	1024QAM		88.25				
80 MHz Channel								
ACM / Fixed	74 Mbps	QPSK						113.75
ACM / Fixed	150 Mbps	16QAM						107.5
ACM / Fixed	228 Mbps	32QAM						102.5
ACM / Fixed	250 Mbps	64QAM						101.25
ACM / Fixed	323 Mbps	128QAM						96.75
ACM / Fixed	373 Mbps	256QAM						93.25
ACM / Fixed	417 Mbps	512QAM						89.0
ACM / Fixed	436 Mbps	1024QAM						85.0

*[] See notes in last page

Transmitter Specifications

System

	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
Frequency Range (GHz)	12.70 - 13.25	14.4 - 15.35	17.7 - 19.7	21.2 - 23.632	38.6 - 40.0
TR-Spacings Supported (MHz)	225, 266	475, 640	1560	600, 1200	700
Standard	Part 74 & 101	SRSP 314.5 NTIA Red Book	FCC Part 101 SRSP 317.8	FCC Part 101 SRSP 321.8	FCC Part 101 SRSP 338.6
Maximum Tuning Range (Dependent upon T-R Spacing (MHz)	84	245	380	370	200
Flange Type	UBR120	UBR140	UBR220	UBR220	UBR320

Antenna Interface

Waveguide Type	R120 (WR75)	R140 (WR62)	R220 (WR42)	R220 (WR42)	R320 (WR28)
Flange Type	UBR120	UBR140	UBR220	UBR220	UBR320
Mating Flange Type	PBR120 or CDR120	PBR140 or CBR140	PBR220	PBR220	PBR320

Transmitter Power Output Specifications with High Power Option^[9], in dBm (Typical)

	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
QPSK	26.5	26.5	23.0	23.5	21.5
16QAM	25.5	25.5	22.0	22.5	18.5
32QAM	24.5	24.5	21.0	21.5	18.5
64QAM	24.5	24.5	21.0	21.5	15.5
128QAM	23.5	23.5	20.0	20.5	15.5
256QAM	23.5	23.5	20.0	20.5	13.5
512QAM	22.0	22.0	18.5	19.0	12.5
1024QAM	21.5	21.5	18.0	18.5	11.5
Minimum Configurable Power Level	6.5	6.5	3	3.5	-3

Receiver Specifications

Receiver Threshold BER=1E-6^[8], in dBm (Typical)

	Air Link Capacity	Modulation	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
3.75 MHz Channel							
ACM / Fixed	4 Mbps	QPSK					
ACM / Fixed	10 Mbps	16QAM					
ACM / Fixed	12 Mbps	32QAM					
ACM / Fixed	15 Mbps	64QAM					
ACM / Fixed	17 Mbps	128QAM					
ACM / Fixed	19 Mbps	256QAM					
5 MHz Channel							
ACM / Fixed	6 Mbps	QPSK	-95.50	-95.00	-95.00	-95.00	
ACM / Fixed	14 Mbps	16QAM	-88.25	-87.75	-87.75	-87.75	
ACM / Fixed	17 Mbps	32QAM	-85.25	-84.75	-84.75	-84.75	
ACM / Fixed	21 Mbps	64QAM	-82.50	-82.00	-82.00	-82.00	
ACM / Fixed	24 Mbps	128QAM	-79.50	-79.00	-79.00	-79.00	
ACM / Fixed	27 Mbps	256QAM	-76.75	-76.25	-76.25	-76.25	
ACM / Fixed	30 Mbps	512QAM	-73.50	-73.00	-73.00	-73.00	

*[] See notes in last page

Receiver Specifications

Receiver Threshold BER=1E-6^[8], in dBm (Typical)

	Air Link Capacity	Modulation	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
10 MHz Channel							
ACM / Fixed	12 Mbps	QPSK	-92.25	-91.75	-91.75	-91.75	-86.75
ACM / Fixed	30 Mbps	16QAM	-84.50	-84.00	-84.00	-84.00	-79.00
ACM / Fixed	36 Mbps	32QAM	-82.00	-81.50	-81.50	-81.50	-76.50
ACM / Fixed	45 Mbps	64QAM	-79.00	-78.50	-78.50	-78.50	-73.50
ACM / Fixed	50 Mbps	128QAM	-76.00	-75.50	-75.50	-75.50	-70.50
ACM / Fixed	57 Mbps	256QAM	-72.75	-72.25	-72.25	-72.25	-67.25
ACM / Fixed	66 Mbps	512QAM	-69.50	-69.00	-69.00	-69.00	-64.00
ACM / Fixed	71 Mbps	1024QAM	-66.50	-66.00	-66.00	-66.00	-61.00
20 MHz Channel							
ACM / Fixed	26 Mbps	QPSK		-88.75	-88.75	-88.75	
ACM / Fixed	60 Mbps	16QAM		-81.50	-81.50	-81.50	
ACM / Fixed	71 Mbps	32QAM		-78.75	-78.75	-78.75	
ACM / Fixed	88 Mbps	64QAM		-76.25	-76.25	-76.25	
ACM / Fixed	102 Mbps	128QAM		-73.50	-73.50	-73.50	
ACM / Fixed	120 Mbps	256QAM		-70.00	-70.00	-70.00	
ACM / Fixed	139 Mbps	512QAM		-66.25	-66.25	-66.25	
ACM / Fixed	152 Mbps	1024QAM		-62.25	-62.25	-62.25	
25 MHz Channel							
ACM / Fixed	33 Mbps	QPSK	-88.00				
ACM / Fixed	75 Mbps	16QAM	-81.25				
ACM / Fixed	90 Mbps	32QAM	-78.25				
ACM / Fixed	110 Mbps	64QAM	-75.75				
ACM / Fixed	129 Mbps	128QAM	-73.00				
ACM / Fixed	152 Mbps	256QAM	-69.50				
ACM / Fixed	175 Mbps	512QAM	-65.75				
ACM / Fixed	192 Mbps	1024QAM	-62.00				
27.5 / 28 MHz Channel							
ACM / Fixed	38 Mbps	QPSK					
ACM / Fixed	73 Mbps	16QAM					
ACM / Fixed	112 Mbps	32QAM					
ACM / Fixed	121 Mbps	64QAM					
ACM / Fixed	158 Mbps	128QAM					
ACM / Fixed	181 Mbps	256QAM					
ACM / Fixed	203 Mbps	512QAM					
ACM / Fixed	212 Mbps	1024QAM					
30 MHz Channel							
ACM / Fixed	39 Mbps	QPSK		-86.75	-86.75	-86.75	-81.75
ACM / Fixed	90 Mbps	16QAM		-80.00	-80.00	-80.00	-75.00
ACM / Fixed	108 Mbps	32QAM		-77.00	-77.00	-77.00	-72.00
ACM / Fixed	135 Mbps	64QAM		-74.25	-74.25	-74.25	-69.25
ACM / Fixed	155 Mbps	128QAM		-71.50	-71.50	-71.50	-66.50
ACM / Fixed	180 Mbps	256QAM		-68.50	-68.50	-68.50	-63.50
ACM / Fixed	210 Mbps	512QAM		-64.50	-64.50	-64.50	-59.50
ACM / Fixed	230 Mbps	1024QAM		-60.75	-60.75	-60.75	-55.75

*[] See notes in last page

Receiver Specifications

Receiver Threshold BER=1E-6^[8], in dBm (Typical)

	Air Link Capacity	Modulation	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
40 MHz Channel							
ACM / Fixed	53 Mbps	QPSK		-85.50	-85.50	-85.50	-80.50
ACM / Fixed	120 Mbps	16QAM		-78.75	-78.75	-78.75	-73.75
ACM / Fixed	135 Mbps	32QAM		-76.25	-76.25	-76.25	-71.25
ACM / Fixed	178 Mbps	64QAM		-73.00	-73.00	-73.00	-68.00
ACM / Fixed	210 Mbps	128QAM		-70.25	-70.25	-70.25	-65.25
ACM / Fixed	240 Mbps	256QAM		-67.00	-67.00	-67.00	-62.00
ACM / Fixed	275 Mbps	512QAM		-63.50	-63.50	-63.50	-58.50
ACM / Fixed	300 Mbps	1024QAM		-59.75	-59.75	-59.75	-54.75
50 MHz Channel							
ACM / Fixed	63 Mbps	QPSK	-85.25	-84.75	-84.75	-84.75	-79.75
ACM / Fixed	150 Mbps	16QAM	-78.25	-77.75	-77.75	-77.75	-72.75
ACM / Fixed	172 Mbps	32QAM	-75.50	-75.00	-75.00	-75.00	-70.00
ACM / Fixed	213 Mbps	64QAM	-73.25	-72.75	-72.75	-72.75	-67.75
ACM / Fixed	258 Mbps	128QAM	-70.00	-69.50	-69.50	-69.50	-64.50
ACM / Fixed	300 Mbps	256QAM	-66.75	-66.25	-66.25	-66.25	-61.25
ACM / Fixed	355 Mbps	512QAM	-62.50	-62.00	-62.00	-62.00	-57.00
ACM / Fixed	371 Mbps	1024QAM	-59.75	-59.25	-59.25	-59.25	-54.25
60 MHz Channel							
ACM / Fixed	74 Mbps	QPSK					
ACM / Fixed	150 Mbps	16QAM					
ACM / Fixed	228 Mbps	32QAM					
ACM / Fixed	250 Mbps	64QAM					
ACM / Fixed	323 Mbps	128QAM					
ACM / Fixed	373 Mbps	256QAM					
ACM / Fixed	417 Mbps	512QAM					
ACM / Fixed	436 Mbps	1024QAM					
80 MHz Channel							
ACM / Fixed	74 Mbps	QPSK			-84.00		
ACM / Fixed	150 Mbps	16QAM			-78.25		
ACM / Fixed	228 Mbps	32QAM			-73.25		
ACM / Fixed	250 Mbps	64QAM			-72.00		
ACM / Fixed	323 Mbps	128QAM			-68.00		
ACM / Fixed	373 Mbps	256QAM			-64.50		
ACM / Fixed	417 Mbps	512QAM			-61.25		
ACM / Fixed	436 Mbps	1024QAM			-58.25		

*[] See notes in last page

System Gain Specifications

System Gain BER=1E-6,^[8] in dB (Typical)

	Air Link Capacity	Modulation	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
3.75 MHz Channel							
ACM / Fixed	4 Mbps	QPSK					
ACM / Fixed	10 Mbps	16QAM					
ACM / Fixed	12 Mbps	32QAM					
ACM / Fixed	15 Mbps	64QAM					
ACM / Fixed	17 Mbps	128QAM					
ACM / Fixed	19 Mbps	256QAM					
5 MHz Channel							
ACM / Fixed	6 Mbps	QPSK	122.0	121.5	118.0	118.5	
ACM / Fixed	14 Mbps	16QAM	113.75	113.25	109.75	110.25	
ACM / Fixed	17 Mbps	32QAM	109.75	109.25	105.75	106.25	
ACM / Fixed	21 Mbps	64QAM	107.0	106.5	103.0	103.5	
ACM / Fixed	24 Mbps	128QAM	103.0	102.5	99.0	99.5	
ACM / Fixed	27 Mbps	256QAM	100.25	99.75	96.25	96.75	
ACM / Fixed	30 Mbps	512QAM	95.5	95.0	91.5	92.0	
10 MHz Channel							
ACM / Fixed	12 Mbps	QPSK	118.75	118.25	114.75	115.25	108.25
ACM / Fixed	30 Mbps	16QAM	110.0	109.5	106.0	106.5	97.5
ACM / Fixed	36 Mbps	32QAM	106.5	106.0	102.5	103.0	95.0
ACM / Fixed	45 Mbps	64QAM	103.5	103.0	99.5	100.0	89.0
ACM / Fixed	50 Mbps	128QAM	99.5	99.0	95.5	96.0	86.0
ACM / Fixed	57 Mbps	256QAM	96.25	95.75	92.25	92.75	80.75
ACM / Fixed	66 Mbps	512QAM	91.5	91.0	87.5	88.0	76.5
ACM / Fixed	71 Mbps	1024QAM	88.0	87.5	84.0	84.5	72.5
20 MHz Channel							
ACM / Fixed	26 Mbps	QPSK		115.25	111.75	112.25	
ACM / Fixed	60 Mbps	16QAM		107.0	103.5	104.0	
ACM / Fixed	71 Mbps	32QAM		103.25	99.75	100.25	
ACM / Fixed	88 Mbps	64QAM		100.75	97.25	97.75	
ACM / Fixed	102 Mbps	128QAM		97.0	93.5	94.0	
ACM / Fixed	120 Mbps	256QAM		93.5	90.0	90.5	
ACM / Fixed	139 Mbps	512QAM		88.25	84.75	85.25	
ACM / Fixed	152 Mbps	1024QAM		83.75	80.25	80.75	
25 MHz Channel							
ACM / Fixed	33 Mbps	QPSK	114.5				
ACM / Fixed	75 Mbps	16QAM	106.75				
ACM / Fixed	90 Mbps	32QAM	102.75				
ACM / Fixed	110 Mbps	64QAM	100.25				
ACM / Fixed	129 Mbps	128QAM	96.5				
ACM / Fixed	152 Mbps	256QAM	93.0				
ACM / Fixed	175 Mbps	512QAM	87.75				
ACM / Fixed	192 Mbps	1024QAM	83.5				
27.5 / 28 MHz Channel							
ACM / Fixed	38 Mbps	QPSK					
ACM / Fixed	73 Mbps	16QAM					
ACM / Fixed	112 Mbps	32QAM					
ACM / Fixed	121 Mbps	64QAM					
ACM / Fixed	158 Mbps	128QAM					
ACM / Fixed	181 Mbps	256QAM					
ACM / Fixed	203 Mbps	512QAM					
ACM / Fixed	212 Mbps	1024QAM					

*[] See notes in last page

System Gain Specifications

System Gain BER=1E-6,^[8] in dB (Typical)

	Air Link Capacity	Modulation	13 GHz	15 GHz	18 GHz	23 GHz	38 GHz
30 MHz Channel							
ACM / Fixed	39 Mbps	QPSK		113.25	109.75	110.25	103.25
ACM / Fixed	90 Mbps	16QAM		105.5	102.0	102.5	93.5
ACM / Fixed	108 Mbps	32QAM		101.5	98.0	98.5	90.5
ACM / Fixed	135 Mbps	64QAM		98.75	95.25	95.75	84.75
ACM / Fixed	155 Mbps	128QAM		95.0	91.5	92.0	82.0
ACM / Fixed	180 Mbps	256QAM		92.0	88.5	89.0	77.0
ACM / Fixed	210 Mbps	512QAM		86.5	83.0	83.5	72.0
ACM / Fixed	230 Mbps	1024QAM		82.25	78.75	79.25	67.25
40 MHz Channel							
ACM / Fixed	53 Mbps	QPSK		112.0	108.5	109.0	102.0
ACM / Fixed	120 Mbps	16QAM		104.25	100.75	101.25	92.25
ACM / Fixed	135 Mbps	32QAM		100.75	97.25	97.75	89.75
ACM / Fixed	178 Mbps	64QAM		97.5	94.0	94.5	83.5
ACM / Fixed	210 Mbps	128QAM		93.75	90.25	90.75	80.75
ACM / Fixed	240 Mbps	256QAM		90.5	87.0	87.5	75.5
ACM / Fixed	275 Mbps	512QAM		85.5	82.0	82.5	71.0
ACM / Fixed	300 Mbps	1024QAM		81.25	77.75	78.25	66.25
50 MHz Channel							
ACM / Fixed	63 Mbps	QPSK	111.75	111.25	107.75	108.25	101.25
ACM / Fixed	150 Mbps	16QAM	103.75	103.25	99.75	100.25	91.25
ACM / Fixed	172 Mbps	32QAM	100.0	99.5	96.0	96.5	88.5
ACM / Fixed	213 Mbps	64QAM	97.75	97.25	93.75	94.25	83.25
ACM / Fixed	258 Mbps	128QAM	93.5	93.0	89.5	90.0	80.0
ACM / Fixed	300 Mbps	256QAM	90.25	89.75	86.25	86.75	74.75
ACM / Fixed	355 Mbps	512QAM	84.5	84.0	80.5	81.0	69.5
ACM / Fixed	371 Mbps	1024QAM	81.25	80.75	77.25	77.75	65.75
60 MHz Channel							
ACM / Fixed	74 Mbps	QPSK					
ACM / Fixed	150 Mbps	16QAM					
ACM / Fixed	228 Mbps	32QAM					
ACM / Fixed	250 Mbps	64QAM					
ACM / Fixed	323 Mbps	128QAM					
ACM / Fixed	373 Mbps	256QAM					
ACM / Fixed	417 Mbps	512QAM					
ACM / Fixed	436 Mbps	1024QAM					
80 MHz Channel							
ACM / Fixed	74 Mbps	QPSK			107.0		
ACM / Fixed	150 Mbps	16QAM			100.25		
ACM / Fixed	228 Mbps	32QAM			94.25		
ACM / Fixed	250 Mbps	64QAM			93.0		
ACM / Fixed	323 Mbps	128QAM			88.0		
ACM / Fixed	373 Mbps	256QAM			84.5		
ACM / Fixed	417 Mbps	512QAM			79.75		
ACM / Fixed	436 Mbps	1024QAM			76.25		

*[] See notes in last page

All specifications are typical values unless otherwise stated, and are subject to change without notice.

For Guaranteed values (over time and operational range) subtract 2 dB from Power Output, add 2dB to Threshold values. For System Gain guaranteed values (over time and operational range) subtract 4dB from System Gain values.

[1] Dimensions Exclude ODU handle.

[2] ATPC is recommended for operation at Extended Temperature ranges. Contact Aviat Networks for more details.

[3] Optional remote mount via flex elliptical waveguide.

[4] RSSI accuracy applies when there is no potential interferer signal present within +/- 28MHz of the Rx. Frequency.

[5] L1 throughput will vary based on average packet sizes - 64 & 1518 Byte Min-Max rates shown

[6] Smaller capacity licenses may be used for lower configured throughputs. These may be upgraded later to enable additional capacity as required.

[7] The 10 MHz Channel capacity is used for 12.5 MHz Channel capacity in the FCC 7 GHz and 13 GHz bands.

[8] Rx Threshold values indicated are typically improved by 0.5 dB for BER=10⁻³.

[9] High Power FPM option specifications shown for standard power subtract 3 dB.

[10] For L6 / U6 GHz band 20 MHz channels are only valid for U6 GHz.

[11] For L6 / U6 GHz band 60 MHz channels are only valid for L6 GHz.

[12] L6 and U6 TX Power specifications shown are for Narrowband diplexer with the High Power option enabled. TX Power is reduced by 4 dBm when used with Wideband diplexer.

[13] 11 GHz TX Power specifications shown are for Narrowband diplexer with the High Power option enabled. TX Power is reduced by 2 dBm when used with Wideband diplexer.



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