

RF Characteristics

Unless otherwise indicated, typical performance specifications are listed and apply to transmitters/receivers connected back-to-back. Specifications must be confirmed before they become applicable to any specific system, contract or order.

		Typical Output Power dBm (BER 10⁻⁶)									
		With the 5100 RFU (13 to 23 GHz), values are enhanced by .5 dB.									
		Frequency Band (GHz)									
Airlink Capacity	Modulation QPSK/QAM	L6	U6	7	8	11	13	15	18	23	38
4 DS1	QPSK					23.0		26.0	26.0	23.0	21.0
	16	26.5	26.5	25.5	25.0	23.0		23.0	23.0	21.0	19.0
8 DS1	QPSK			25.5				26.0	26.0	23.5	22.0
	16			25.5	25.0	23.0		23.0	23.0	21.0	19.0
	32	26.5	26.5	25.5	25.0	23.0		22.0			
12 DS1	32	24.5	24.5	23.5	23.0	21.0		22.0	22.0	20.0	18.0
16 DS1	QPSK							26.0	26.0	24.0	22.0
	16					21.0		23.0	23.0	21.0	19.0
	128	24.5	24.5	23.5	23.0	21.0					
28 DS1	16							23.0		21.0	19.0
	64	24.5	24.5	23.5	23.0	21.0	17.5	21.0	21.0	19.0	19.0
1 STS-1 (28 DS1 Sub STS-3) SMX	QPSK					22.0		26.0	26.0	24.0	22.0
	QPSK									24.0	
	16	24.5	24.5	23.5	23.0	21.0		23.0	23.5	21.0	19.0
	16	24.5	24.5	23.5	23.0			23.0	23.5	21.0	19.0
	32									20.0	18.0
	64										17.0
DS3 + DS1	QPSK	24.5				21.0			26.0	26.0	22.0
	QPSK					22.0		26.0	26.0	24.0	22.0
	16	24.5	24.5				20.0	23.0	23.0	21.0	19.0
	64	24.5	24.5	23.5	23.0	21.0	17.5	21.0	21.0	19.0	19.0
29 DS1	QPSK	24.5				21.0			26.0	26.0	22.0
	QPSK					22.0		26.0	26.0	24.0	22.0
	16	24.5					20.0	23.0	23.0	21.0	19.0
	64	24.5	24.5	23.5	23.0	21.0	17.5	21.0	21.0	19.0	19.0
2 STS-1 (56 DS1 Sub STS-3) SMX	16					22.0		23.0	23.0	20.0	19.0
	16					22.0		22.0	22.5	21.0	21.0
	32	24.5	24.5	23.5	23.0	22.0		22.0	22.5	20.0	18.0
	128	24.5	24.5	23.5	23.0			19.0	19.0	17.0	
58 DS1	16					22.0		23.0	23.0	21.0	
	16	24.5				21.0			23.0	23.0	
	64	24.5	24.5	23.5			17.5	21.0	21.0	19.0	15.5
100BT+4 DS1 (107 Mb/s)	16					22.0		23.0	23.0	21.0	
	128	24.5	24.5	23.5				19.0	19.0	17.0	
3 DS3 + 3 DS1	16									21.0	19.0
	32					22.0		22.0	22.0	20.0	
	128	24.5	24.5	23.5	23.0	21.0		19.0	19.0		
87 DS1	16									21.0	19.0
	32					22.0		22.0	22.0	20.0	
	64	24.5	24.5	23.5	23.0	21.0		21.0	21.0		17.0
100 DS1	32									20.0	18.0
	64					22.0		21.0	21.0	19.0	
	128	24.5	24.5	23.5	23.0	21.0		19.0	19.0	17.0	
OC-3 + DS1, (3 STS-1) SMX	32					22.0		21.0	21.0	18.0	18.0
	64							21.0	21.0	19.0	
	128	24.5	24.5	23.5	23.0	21.0		19.0	19.0	17.0	

Typical receiver threshold and nominal output power are given for unprotected (1+0) configuration.

Notes: For guaranteed value, TRuepoint 5100/5200: 2 dB below typical value.

