

Datasheet

Data Rates, output power and receiver sensitivity

Note: Actual output power and frequency bands depend on country approval requirements. The values of the WLAN module shown in the following tables are subject to a tolerance of ± 2 dB.

Frequency Bandwidth	Data rate	Typical Tx power (composite)	Typical RX sensitivity	Frequency Bandwidth	Data rate	Typical Tx power (composite)	Typical RX sensitivity
802.11b 2.412-2.462GHz	1Mbps	19 dBm	-94 dBm				
	11Mbps	19 dBm	-94 dBm				
802.11g 2.412-2.462GHz	06Mbps	18 dBm	-94 dBm	802.11a (5.180-5.240+5.745-5.825GHz)	06Mbps	16 dBm	-93 dBm
	09Mbps	18 dBm	-94 dBm		09Mbps	16 dBm	-93 dBm
	12Mbps	18 dBm	-90 dBm		12Mbps	16 dBm	-93 dBm
	18Mbps	18 dBm	-89 dBm		18Mbps	16 dBm	-91 dBm
	24Mbps	18 dBm	-85 dBm		24Mbps	16 dBm	-88 dBm
	36Mbps	17 dBm	-82 dBm		36Mbps	15 dBm	-84 dBm
	48Mbps	16 dBm	-78 dBm		48Mbps	13 dBm	-80 dBm
	54Mbps	15 dBm	-77 dBm	54Mbps	12 dBm	-79 dBm	
802.11n 2.412-2.462GHz HT20 and HT40	MCS0	18 dBm	-87 dBm	802.11n (5.180-5.240+5.745-5.825GHz) HT20 and HT40	MCS0	17 dBm	-92 dBm
	MCS1	18 dBm	-90 dBm		MCS1	17 dBm	-91 dBm
	MCS2	18 dBm	-86 dBm		MCS2	17 dBm	-89 dBm
	MCS3	18 dBm	-82 dBm		MCS3	17 dBm	-84 dBm
	MCS4	18 dBm	-79 dBm		MCS4	17 dBm	-81 dBm
	MCS5	16 dBm	-75 dBm		MCS5	15 dBm	-77 dBm
	MCS6	16 dBm	-73 dBm		MCS6	14 dBm	-75 dBm
	MCS7	15 dBm	-72 dBm		MCS7	14 dBm	-73 dBm
	MCS8	22 dBm	-87 dBm		MCS8	20 dBm	-92 dBm
	MCS9	21 dBm	-90 dBm		MCS9	20 dBm	-91 dBm
	MCS10	22 dBm	-86 dBm		MCS10	19 dBm	-89 dBm
	MCS11	21 dBm	-82 dBm		MCS11	20 dBm	-84 dBm
	MCS12	16 dBm	-79 dBm		MCS12	18 dBm	-81 dBm
	MCS13	16 dBm	-75 dBm		MCS13	15 dBm	-77 dBm
	MCS14	15 dBm	-73 dBm		MCS14	15 dBm	-75 dBm
	MCS15	15 dBm	-72 dBm		MCS15	14 dBm	-73 dBm
	MCS16	23 dBm	-87 dBm		MCS16	21 dBm	-92 dBm
	MCS17	23 dBm	-90 dBm		MCS17	21 dBm	-91 dBm
	MCS18	23 dBm	-86 dBm		MCS18	21 dBm	-89 dBm
	MCS19	23 dBm	-82 dBm		MCS19	21 dBm	-84 dBm
	MCS20	16 dBm	-79 dBm		MCS20	16 dBm	-81 dBm
	MCS21	17 dBm	-75 dBm		MCS21	15 dBm	-77 dBm
	MCS22	17 dBm	-73 dBm		MCS22	14 dBm	-75 dBm
MCS23	16 dBm	-72 dBm	MCS23	14 dBm	-73 dBm		

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Frequency Bandwidth	Data rate	Typical Tx power (One chain)	Typical Tx power (Three chains)
802.11a 4.940-4.990GHz 5MHz Bandwidth	1.5Mbps	12 dBm	12 dBm
	2.25Mbps	12 dBm	12 dBm
	03Mbps	12 dBm	13 dBm
	4.5Mbps	12 dBm	12 dBm
	06Mbps	12 dBm	12 dBm
	09Mbps	12 dBm	12 dBm
	12Mbps	12 dBm	12 dBm
802.11a 4.940-4.990GHz 10MHz Bandwidth	03Mbps	14 dBm	15 dBm
	4.5Mbps	14 dBm	15 dBm
	06Mbps	14 dBm	15 dBm
	09Mbps	14 dBm	15 dBm
	12Mbps	14 dBm	15 dBm
	18Mbps	13 dBm	14 dBm
	24Mbps	12 dBm	13 dBm
802.11a 4.940-4.990GHz 20MHz Bandwidth	27Mbps	11 dBm	14 dBm
	06Mbps	13 dBm	17 dBm
	09Mbps	13 dBm	17 dBm
	12Mbps	13 dBm	17 dBm
	18Mbps	13 dBm	17 dBm
	24Mbps	13 dBm	17 dBm
	36Mbps	13 dBm	17 dBm
48Mbps	12 dBm	16 dBm	
54Mbps	11 dBm	15 dBm	