



Transmit Power and Receive Sensitivity Values

Table 1: Transmit Power and Receive Sensitivity Values

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
802.11/11b										
1 Mbps	1	4	–	–	–	–	–	–	23	-102
11 Mbps	1	4	–	–	–	–	–	–	23	-94
802.11a/g										
6 Mbps	1	4	–	–	23	-97	23	-94	23	-95
24 Mbps	1	4	–	–	23	-90	22	-86	23	-88
54 Mbps	1	4	–	–	21	-81	20	-75	21	-80
802.11n HT20										
MCS0	1	4	–	–	23	-98	23	-94	23	-95
MCS4	1	4	–	–	22	-86	21	-83	22	-85
MCS7	1	4	–	–	20	-79	19	-75	21	-77
MCS8	2	4	–	–	23	-95	23	-91	23	-93
MCS12	2	4	–	–	22	-83	21	-80	22	-81
MCS15	2	4	–	–	20	-76	19	-73	21	-73

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS16	3	4	–	–	23	-92	23	-89	23	-90
MCS20	3	4	–	–	22	-80	21	-77	22	-79
MCS23	3	4	–	–	20	-73	19	-70	21	-72
MCS24	4	4	–	–	23	-91	23	-88	23	-89
MCS28	4	4	–	–	22	-79	21	-77	22	-77
MCS31	4	4	–	–	20	-72	19	-69	21	-71
802.11n HT40										
MCS0	1	4	–	–	23	-94	23	-91	–	–
MCS4	1	4	–	–	22	-82	22	-79	–	–
MCS7	1	4	–	–	20	-76	19	-73	–	–
MCS8	2	4	–	–	23	-91	23	-87	–	–
MCS12	2	4	–	–	22	-80	22	-77	–	–
MCS15	2	4	–	–	20	-73	19	-70	–	–
MCS16	3	4	–	–	23	-89	23	-86	–	–
MCS20	3	4	–	–	22	-78	22	-74	–	–
MCS23	3	4	–	–	20	-71	19	-67	–	–
MCS24	4	4	–	–	23	-89	23	-85	–	–
MCS28	4	4	–	–	22	-77	22	-74	–	–
MCS31	4	4	–	–	20	-70	19	-66	–	–
802.11ac VHT20										
MCS0	1	4	–	–	23	-98	23	-93	–	–
MCS4	1	4	–	–	22	-87	21	-83	–	–
MCS7	1	4	–	–	20	-80	19	-76	–	–
MCS8	1	4	–	–	19	-75	18	-71	–	–
MCS9	1	4	–	–	–	–	–	–	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS0	2	4	–	–	23	-94	23	-91	–	–
MCS4	2	4	–	–	22	-82	21	-79	–	–
MCS7	2	4	–	–	20	-76	19	-72	–	–
MCS8	2	4	–	–	19	-72	18	-68	–	–
MCS9	2	4	–	–	–	–	–	–	–	–
MCS0	3	4	–	–	23	-92	23	-89	–	–
MCS4	3	4	–	–	22	-81	21	-77	–	–
MCS7	3	4	–	–	20	-74	19	-71	–	–
MCS8	3	4	–	–	19	-70	18	-67	–	–
MCS9	3	4	–	–	–	–	–	–	–	–
MCS0	4	4	–	–	23	-91	23	-88	–	–
MCS4	4	4	–	–	22	-80	21	-76	–	–
MCS7	4	4	–	–	20	-73	19	-69	–	–
MCS8	4	4	–	–	19	-68	18	-64	–	–
MCS9	4	4	–	–	–	–	–	–	–	–
802.11ac VHT40										
MCS0	1	4	–	–	23	-94	23	-91	–	–
MCS4	1	4	–	–	22	-84	22	-81	–	–
MCS7	1	4	–	–	20	-77	19	-74	–	–
MCS8	1	4	–	–	19	-72	18	-69	–	–
MCS9	1	4	–	–	19	-70	18	-67	–	–
MCS0	2	4	–	–	23	-91	23	-88	–	–
MCS4	2	4	–	–	22	-80	22	-77	–	–
MCS7	2	4	–	–	20	-73	19	-70	–	–
MCS8	2	4	–	–	19	-69	18	-66	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS9	2	4	–	–	19	-67	18	-63	–	–
MCS0	3	4	–	–	23	-90	23	-87	–	–
MCS4	3	4	–	–	22	-78	22	-75	–	–
MCS7	3	4	–	–	20	-71	19	-68	–	–
MCS8	3	4	–	–	19	-67	18	-64	–	–
MCS9	3	4	–	–	19	-66	18	-62	–	–
MCS0	4	4	–	–	23	-88	23	-86	–	–
MCS4	4	4	–	–	22	-77	22	-74	–	–
MCS7	4	4	–	–	20	-70	19	-67	–	–
MCS8	4	4	–	–	19	-66	18	-63	–	–
MCS9	4	4	–	–	19	-65	18	-60	–	–
802.11ac VHT80										
MCS0	1	4	–	–	23	-92	23	-88	–	–
MCS4	1	4	–	–	22	-81	22	-77	–	–
MCS7	1	4	–	–	20	-72	19	-70	–	–
MCS8	1	4	–	–	19	-69	18	-65	–	–
MCS9	1	4	–	–	19	-67	18	-63	–	–
MCS0	2	4	–	–	23	-88	23	-85	–	–
MCS4	2	4	–	–	22	-76	22	-73	–	–
MCS7	2	4	–	–	20	-70	19	-66	–	–
MCS8	2	4	–	–	19	-66	18	-62	–	–
MCS9	2	4	–	–	19	-64	18	-61	–	–
MCS0	3	4	–	–	23	-87	23	-84	–	–
MCS4	3	4	–	–	22	-75	22	-72	–	–
MCS7	3	4	–	–	20	-68	19	-64	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS8	3	4	–	–	19	-64	18	-61	–	–
MCS9	3	4	–	–	19	-62	18	-59	–	–
MCS0	4	4	–	–	23	-85	23	-82	–	–
MCS4	4	4	–	–	22	-74	22	-70	–	–
MCS7	4	4	–	–	20	-67	19	-63	–	–
MCS8	4	4	–	–	19	-63	18	-59	–	–
MCS9	4	4	–	–	19	-62	18	-57	–	–
802.11ac VHT160										
MCS0	1	4	–	–	23	-90	23	-83	–	–
MCS4	1	4	–	–	22	-79	22	-74	–	–
MCS7	1	4	–	–	20	-72	19	-66	–	–
MCS8	1	4	–	–	19	-68	18	-62	–	–
MCS9	1	4	–	–	19	-66	18	-60	–	–
MCS0	2	4	–	–	23	-87	23	-82	–	–
MCS4	2	4	–	–	22	-76	22	-70	–	–
MCS7	2	4	–	–	20	-69	19	-62	–	–
MCS8	2	4	–	–	19	-65	18	-59	–	–
MCS9	2	4	–	–	19	-63	18	-57	–	–
MCS0	3	4	–	–	23	-86	–	–	–	–
MCS4	3	4	–	–	22	-73	–	–	–	–
MCS7	3	4	–	–	20	-67	–	–	–	–
MCS8	3	4	–	–	19	-64	–	–	–	–
MCS9	3	4	–	–	19	-62	–	–	–	–
MCS0	4	4	–	–	23	-85	–	–	–	–
MCS4	4	4	–	–	22	-73	–	–	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS7	4	4	–	–	20	-66	–	–	–	–
MCS8	4	4	–	–	19	-62	–	–	–	–
MCS9	4	4	–	–	19	-61	–	–	–	–
802.11ax HE20										
MCS0	1	4	23	-96	23	-97	23	-93	23	-96
MCS4	1	4	22	-87	22	-88	21	-84	22	-86
MCS7	1	4	19	-80	20	-81	19	-77	21	-79
MCS8	1	4	18	-76	19	-77	18	-72	20	-73
MCS9	1	4	18	-75	19	-75	17	-71	19	-73
MCS10	1	4	17	-71	18	-72	17	-67	18	-69
MCS11	1	4	17	-70	18	-70	17	-66	18	-67
MCS0	2	4	23	-95	23	-96	23	-92	23	-95
MCS4	2	4	22	-84	22	-84	21	-81	22	-82
MCS7	2	4	19	-77	20	-77	19	-74	21	-76
MCS8	2	4	18	-73	19	-74	18	-69	20	-72
MCS9	2	4	18	-72	19	-73	17	-68	19	-70
MCS10	2	4	17	-69	18	-70	17	-66	18	-67
MCS11	2	4	17	-64	18	-67	17	-62	18	-64
MCS0	3	4	23	-94	23	-95	23	-91	23	-93
MCS4	3	4	22	-81	22	-83	21	-79	22	-80
MCS7	3	4	19	-75	20	-76	19	-72	21	-74
MCS8	3	4	18	-72	19	-73	18	-69	20	-70
MCS9	3	4	18	-70	19	-71	17	-67	19	-69
MCS10	3	4	17	-67	18	-68	17	-63	18	-65
MCS11	3	4	17	-64	18	-65	17	-61	18	-63

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS0	4	4	23	-93	23	-94	23	-90	23	-92
MCS4	4	4	22	-80	22	-82	21	-78	22	-80
MCS7	4	4	19	-74	20	-76	19	-71	21	-73
MCS8	4	4	18	-71	19	-72	18	-67	20	-69
MCS9	4	4	18	-69	19	-70	17	-65	19	-67
MCS10	4	4	17	-66	18	-67	17	-63	18	-65
MCS11	4	4	17	-64	18	-65	17	-60	18	-62
802.11ax HE40										
MCS0	1	4	23	-93	23	-94	23	-91	–	–
MCS4	1	4	22	-85	22	-85	22	-82	–	–
MCS7	1	4	19	-77	20	-78	19	-75	–	–
MCS8	1	4	18	-74	19	-74	18	-71	–	–
MCS9	1	4	18	-72	19	-73	18	-70	–	–
MCS10	1	4	17	-69	18	-70	17	-66	–	–
MCS11	1	4	17	-66	18	-67	17	-62	–	–
MCS0	2	4	23	-93	23	-93	23	-90	–	–
MCS4	2	4	22	-82	22	-82	22	-79	–	–
MCS7	2	4	19	-75	20	-75	19	-72	–	–
MCS8	2	4	18	-71	19	-71	18	-68	–	–
MCS9	2	4	18	-69	19	-70	18	-66	–	–
MCS10	2	4	17	-66	18	-67	17	-61	–	–
MCS11	2	4	17	-64	18	-65	17	-60	–	–
MCS0	3	4	23	-91	23	-92	23	-89	–	–
MCS4	3	4	22	-79	22	-80	22	-77	–	–
MCS7	3	4	19	-72	20	-73	19	-70	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS8	3	4	18	-69	19	-70	18	-66	–	–
MCS9	3	4	18	-67	19	-68	18	-64	–	–
MCS10	3	4	17	-64	18	-65	17	-60	–	–
MCS11	3	4	17	-61	18	-63	17	-58	–	–
MCS0	4	4	23	-90	23	-91	23	-88	–	–
MCS4	4	4	22	-78	22	-79	22	-76	–	–
MCS7	4	4	19	-71	20	-72	19	-69	–	–
MCS8	4	4	18	-68	19	-69	18	-65	–	–
MCS9	4	4	18	-66	19	-67	18	-63	–	–
MCS10	4	4	17	-62	18	-64	17	-59	–	–
MCS11	4	4	17	-60	18	-61	17	-57	–	–
802.11ax HE80										
MCS0	1	4	23	-90	23	-91	23	-88	–	–
MCS4	1	4	22	-82	22	-83	22	-80	–	–
MCS7	1	4	19	-75	20	-75	19	-72	–	–
MCS8	1	4	18	-71	19	-72	18	-68	–	–
MCS9	1	4	18	-69	19	-70	18	-66	–	–
MCS10	1	4	17	-66	18	-67	17	-62	–	–
MCS11	1	4	17	-64	18	-64	17	-61	–	–
MCS0	2	4	23	-90	23	-90	23	-87	–	–
MCS4	2	4	22	-79	22	-80	22	-76	–	–
MCS7	2	4	19	-71	20	-72	19	-69	–	–
MCS8	2	4	18	-68	19	-68	18	-65	–	–
MCS9	2	4	18	-66	19	-67	18	-63	–	–
MCS10	2	4	17	-62	18	-64	17	-60	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS11	2	4	17	-61	18	-61	17	-58	–	–
MCS0	3	4	23	-88	23	-89	23	-85	–	–
MCS4	3	4	22	-77	22	-78	22	-74	–	–
MCS7	3	4	19	-69	20	-70	19	-66	–	–
MCS8	3	4	18	-66	19	-67	18	-63	–	–
MCS9	3	4	18	-64	19	-65	18	-61	–	–
MCS10	3	4	17	-61	18	-62	17	-58	–	–
MCS11	3	4	17	-59	18	-60	17	-56	–	–
MCS0	4	4	23	-87	23	-88	23	-84	–	–
MCS4	4	4	22	-75	22	-76	22	-73	–	–
MCS7	4	4	19	-68	20	-69	19	-65	–	–
MCS8	4	4	18	-65	19	-66	18	-62	–	–
MCS9	4	4	18	-63	19	-64	18	-60	–	–
MCS10	4	4	17	-60	18	-61	17	-57	–	–
MCS11	4	4	17	-58	18	-59	17	-54	–	–
802.11ax HE160										
MCS0	1	4	23	-88	23	-89	23	-83	–	–
MCS4	1	4	22	-79	22	-80	22	-74	–	–
MCS7	1	4	19	-72	20	-72	19	-66	–	–
MCS8	1	4	18	-68	19	-69	18	-63	–	–
MCS9	1	4	18	-66	19	-67	18	-61	–	–
MCS10	1	4	17	-63	18	-63	17	-56	–	–
MCS11	1	4	17	-60	18	-61	17	-55	–	–
MCS0	2	4	23	-87	23	-88	23	-82	–	–
MCS4	2	4	22	-76	22	-77	22	-71	–	–

Data Rate	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz XOR Radio		5-GHz Radio		2.4-GHz Radio	
			Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS7	2	4	19	-69	20	-69	19	-63	–	–
MCS8	2	4	18	-65	19	-66	18	-59	–	–
MCS9	2	4	18	-63	19	-64	18	-57	–	–
MCS10	2	4	17	-59	18	-60	17	-53	–	–
MCS11	2	4	17	-57	18	-58	17	-51	–	–
MCS0	3	4	23	-85	23	-86	–	–	–	–
MCS4	3	4	22	-74	22	-75	–	–	–	–
MCS7	3	4	19	-66	20	-67	–	–	–	–
MCS8	3	4	18	-63	19	-64	–	–	–	–
MCS9	3	4	18	-62	19	-62	–	–	–	–
MCS10	3	4	17	-58	18	-58	–	–	–	–
MCS11	3	4	17	-55	18	-56	–	–	–	–
MCS0	4	4	23	-84	23	-85	–	–	–	–
MCS4	4	4	22	-73	22	-73	–	–	–	–
MCS7	4	4	19	-66	20	-66	–	–	–	–
MCS8	4	4	18	-62	19	-63	–	–	–	–
MCS9	4	4	18	-60	19	-61	–	–	–	–
MCS10	4	4	17	-56	18	-57	–	–	–	–
MCS11	4	4	17	-54	18	-55	–	–	–	–