



Transmit Power and Receive Sensitivity Values

Table 1: Transmit Power and Receive Sensitivity Values

	Spatial Streams	Number of Active Antennas	6-GHz 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)
802.11/11b								
1 Mbps	1	2	–	–	–	–	20	-98
11 Mbps	1	2	–	–	–	–	20	-91
802.11a/g								
6 Mbps	1	2	20	-95	20	-94	20	-95
24 Mbps	1	2	18	-85	19	-86	20	-87
54 Mbps	1	2	17	-78	18	-77	18	-79
802.11n HT20								
MCS0	1	2	–	–	20	-94	20	-94
MCS4	1	2	–	–	19	-84	18	-85
MCS7	1	2	–	–	18	-77	15	-77
MCS8	2	2	–	–	20	-93	20	-93
MCS12	2	2	–	–	19	-82	18	-82
MCS15	2	2	–	–	18	-74	15	-75
802.11n HT40								
MCS0	1	2	–	–	20	-91	–	–
MCS4	1	2	–	–	19	-79	–	–

			6-GHz Radio		5-GHz Radio		2.4-GHz Radio	
	Spatial Streams	Number of Active Antennas	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS7	1	2	–	–	18	-73	–	–
MCS8	2	2	–	–	20	-90	–	–
MCS12	2	2	–	–	19	-79	–	–
MCS15	2	2	–	–	18	-72	–	–
802.11ac VHT20								
MCS0	1	2	–	–	20	-94	–	–
MCS4	1	2	–	–	19	-85	–	–
MCS7	1	2	–	–	18	-78	–	–
MCS8	1	2	–	–	18	-74	–	–
MCS9	1	2	–	–	–	–	–	–
MCS0	2	2	–	–	20	-92	–	–
MCS4	2	2	–	–	19	-81	–	–
MCS7	2	2	–	–	18	-74	–	–
MCS8	2	2	–	–	18	-70	–	–
MCS9	2	2	–	–	–	–	–	–
802.11ac VHT40								
MCS0	1	2	–	–	20	-92	–	–
MCS4	1	2	–	–	19	-82	–	–
MCS7	1	2	–	–	18	-76	–	–
MCS8	1	2	–	–	18	-72	–	–
MCS9	1	2	–	–	17	-70	–	–
MCS0	2	2	–	–	20	-91	–	–
MCS4	2	2	–	–	19	-79	–	–
MCS7	2	2	–	–	18	-72	–	–
MCS8	2	2	–	–	18	-69	–	–
MCS9	2	2	–	–	17	-67	–	–

			6-GHz Radio		5-GHz Radio		2.4-GHz Radio	
	Spatial Streams	Number of Active Antennas	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
802.11ac VHT80								
MCS0	1	2	–	–	20	-89	–	–
MCS4	1	2	–	–	19	-79	–	–
MCS7	1	2	–	–	18	-72	–	–
MCS8	1	2	–	–	18	-68	–	–
MCS9	1	2	–	–	17	-66	–	–
MCS0	2	2	–	–	20	-88	–	–
MCS4	2	2	–	–	19	-75	–	–
MCS7	2	2	–	–	18	-68	–	–
MCS8	2	2	–	–	18	-64	–	–
MCS9	2	2	–	–	17	-62	–	–
802.11ax HE20								
MCS0	1	2	20	-94	20	-95	20	-96
MCS4	1	2	18	-85	19	-84	18	-85
MCS7	1	2	17	-78	18	-77	15	-78
MCS8	1	2	16	-74	18	-73	14	-73
MCS9	1	2	16	-72	17	-72	13	-72
MCS10	1	2	15	-68	17	-67	12	-68
MCS11	1	2	15	-67	17	-66	12	-67
MCS0	2	2	20	-93	20	-93	20	-93
MCS4	2	2	18	-82	19	-81	18	-81
MCS7	2	2	17	-75	18	-74	15	-74
MCS8	2	2	16	-72	18	-70	14	-71
MCS9	2	2	16	-70	17	-69	13	-69
MCS10	2	2	15	-67	17	-65	12	-66
MCS11	2	2	15	-64	17	-63	12	-64

			6-GHz Radio		5-GHz Radio		2.4-GHz Radio	
	Spatial Streams	Number of Active Antennas	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
802.11ax HE40								
MCS0	1	2	20	-91	20	-92	–	–
MCS4	1	2	18	-82	19	-82	–	–
MCS7	1	2	17	-75	18	-75	–	–
MCS8	1	2	16	-71	18	-71	–	–
MCS9	1	2	16	-69	17	-70	–	–
MCS10	1	2	15	-67	17	-66	–	–
MCS11	1	2	15	-64	17	-64	–	–
MCS0	2	2	20	-91	20	-91	–	–
MCS4	2	2	18	-80	19	-79	–	–
MCS7	2	2	17	-73	18	-73	–	–
MCS8	2	2	16	-69	18	-69	–	–
MCS9	2	2	16	-67	17	-67	–	–
MCS10	2	2	15	-64	17	-64	–	–
MCS11	2	2	15	-62	17	-62	–	–
802.11ax HE80								
MCS0	1	2	20	-88	20	-89	–	–
MCS4	1	2	18	-80	19	-80	–	–
MCS7	1	2	17	-72	18	-72	–	–
MCS8	1	2	16	-69	18	-68	–	–
MCS9	1	2	16	-67	17	-66	–	–
MCS10	1	2	15	-64	17	-62	–	–
MCS11	1	2	15	-62	17	-60	–	–
MCS0	2	2	20	-88	20	-88	–	–
MCS4	2	2	18	-77	19	-77	–	–
MCS7	2	2	17	-70	18	-69	–	–

	Spatial Streams	Number of Active Antennas	6-GHz 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)
MCS8	2	2	16	-66	18	-65	–	–
MCS9	2	2	16	-65	17	-63	–	–
MCS10	2	2	15	-61	17	-59	–	–
MCS11	2	2	15	-59	17	-57	–	–
802.11ax HE160								
MCS0	1	2	20	-85	–	–	–	–
MCS4	1	2	18	-77	–	–	–	–
MCS7	1	2	17	-69	–	–	–	–
MCS8	1	2	16	-65	–	–	–	–
MCS9	1	2	16	-64	–	–	–	–
MCS10	1	2	15	-60	–	–	–	–
MCS11	1	2	15	-58	–	–	–	–
MCS0	2	2	20	-85	–	–	–	–
MCS4	2	2	18	-74	–	–	–	–
MCS7	2	2	17	-67	–	–	–	–
MCS8	2	2	16	-63	–	–	–	–
MCS9	2	2	16	-61	–	–	–	–
MCS10	2	2	15	-58	–	–	–	–
MCS11	2	2	15	-56	–	–	–	–

