Transmit Power and Receive Sensitivity Values

Table 1: Transmit Power and Receive Sensitivity Values

			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)
802.11/11b								
1 Mbps	1	4	–	–	–	–	23	-103
11 Mbps	1	4	–	–	–	–	23	-95
802.11a/g								
6 Mbps	1	4	–	–	23	-94	23	-98
24 Mbps	1	4	–	–	22	-87	22	-90
54 Mbps	1	4	–	–	20	-76	20	-82
802.11n HT20								
MCS0	1	4	–	–	23	-94	23	-98
MCS4	1	4	–	–	21	-84	21	-88
MCS7	1	4	–	–	19	-77	19	-81
MCS8	2	4	–	–	23	-92	23	-96
MCS12	2	4	–	–	21	-81	21	-85
MCS15	2	4	–	–	19	-75	19	-78
MCS16	3	4	–	–	23	-91	23	-95
MCS20	3	4	–	–	21	-80	21	-84
MCS23	3	4	–	–	19	-73	19	-77

Transmit Power and Receive Sensitivity Values

			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)
MCS24	4	4	–	–	23	-90	23	-94
MCS28	4	4	–	–	21	-79	21	-82
MCS31	4	4	–	–	19	-72	19	-75
802.11n HT40								
MCS0	1	4	–	–	23	-92	–	–
MCS4	1	4	–	–	22	-82	–	–
MCS7	1	4	–	–	19	-75	–	–
MCS8	2	4	–	–	23	-91	–	–
MCS12	2	4	–	–	22	-79	–	–
MCS15	2	4	–	–	19	-73	–	–
MCS16	3	4	–	–	23	-89	–	–
MCS20	3	4	–	–	22	-78	–	–
MCS23	3	4	–	–	19	-71	–	–
MCS24	4	4	–	–	23	-88	–	–
MCS28	4	4	–	–	22	-77	–	–
MCS31	4	4	–	–	19	-70	–	–
802.11ac VHT20								
MCS0	1	4	–	–	23	-94	–	–
MCS4	1	4	–	–	21	-85	–	–
MCS7	1	4	–	–	19	-78	–	–
MCS8	1	4	–	–	18	-73	–	–
MCS9	1	4	–	–	–	–	–	–
MCS0	2	4	–	–	23	-92	–	–
MCS4	2	4	–	–	21	-81	–	–
MCS7	2	4	–	–	19	-74	–	–
MCS8	2	4	–	–	18	-71	–	–

			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)
MCS9	2	4	–	–	–	–	–	–
MCS0	3	4	–	–	23	-91	–	–
MCS4	3	4	–	–	21	-80	–	–
MCS7	3	4	–	–	19	-73	–	–
MCS8	3	4	–	–	18	-69	–	–
MCS9	3	4	–	–	–	–	–	–
MCS0	4	4	–	–	23	-90	–	–
MCS4	4	4	–	–	21	-79	–	–
MCS7	4	4	–	–	19	-72	–	–
MCS8	4	4	–	–	18	-68	–	–
MCS9	4	4	–	–	–	–	–	–
802.11ac VHT40								
MCS0	1	4	–	–	23	-92	–	–
MCS4	1	4	–	–	22	-82	–	–
MCS7	1	4	–	–	19	-75	–	–
MCS8	1	4	–	–	18	-71	–	–
MCS9	1	4	–	–	18	-70	–	–
MCS0	2	4	–	–	23	-90	–	–
MCS4	2	4	–	–	22	-79	–	–
MCS7	2	4	–	–	19	-72	–	–
MCS8	2	4	–	–	18	-69	–	–
MCS9	2	4	–	–	18	-67	–	–
MCS0	3	4	–	–	23	-89	–	–
MCS4	3	4	–	–	22	-77	–	–
MCS7	3	4	–	–	19	-71	–	–
MCS8	3	4	–	–	18	-67	–	–

Transmit Power and Receive Sensitivity Values

			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)
MCS9	3	4	–	–	18	-65	–	–
MCS0	4	4	–	–	23	-88	–	–
MCS4	4	4	–	–	22	-76	–	–
MCS7	4	4	–	–	19	-70	–	–
MCS8	4	4	–	–	18	-66	–	–
MCS9	4	4	–	–	18	-63	–	–
802.11ac VHT80								
MCS0	1	4	–	–	23	-89	–	–
MCS4	1	4	–	–	22	-80	–	–
MCS7	1	4	–	–	19	-72	–	–
MCS8	1	4	–	–	18	-67	–	–
MCS9	1	4	–	–	18	-66	–	–
MCS0	2	4	–	–	23	-87	–	–
MCS4	2	4	–	–	22	-76	–	–
MCS7	2	4	–	–	19	-69	–	–
MCS8	2	4	–	–	18	-65	–	–
MCS9	2	4	–	–	18	-63	–	–
MCS0	3	4	–	–	23	-86	–	–
MCS4	3	4	–	–	22	-74	–	–
MCS7	3	4	–	–	19	-67	–	–
MCS8	3	4	–	–	18	-63	–	–
MCS9	3	4	–	–	18	-61	–	–
MCS0	4	4	–	–	23	-85	–	–
MCS4	4	4	–	–	22	-73	–	–
MCS7	4	4	–	–	19	-66	–	–
MCS8	4	4	–	–	18	-62	–	–

			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)
MCS9	4	4	–	–	18	-60	–	–
802.11ac VHT160								
MCS0	1	4	–	–	20	-82	–	–
MCS4	1	4	–	–	19	-71	–	–
MCS7	1	4	–	–	16	-63	–	–
MCS8	1	4	–	–	15	-59	–	–
MCS9	1	4	–	–	15	-57	–	–
MCS0	2	4	–	–	20	-82	–	–
MCS4	2	4	–	–	19	-70	–	–
MCS7	2	4	–	–	16	-63	–	–
MCS8	2	4	–	–	15	-60	–	–
MCS9	2	4	–	–	15	-57	–	–
MCS0	3	4	–	–	–	–	–	–
MCS4	3	4	–	–	–	–	–	–
MCS7	3	4	–	–	–	–	–	–
MCS8	3	4	–	–	–	–	–	–
MCS9	3	4	–	–	–	–	–	–
MCS0	4	4	–	–	–	–	–	–
MCS4	4	4	–	–	–	–	–	–
MCS7	4	4	–	–	–	–	–	–
MCS8	4	4	–	–	–	–	–	–
MCS9	4	4	–	–	–	–	–	–
802.11ax HE20								
MCS0	1	4	23	-96	23	-95	23	-98
MCS4	1	4	22	-87	21	-85	21	-88
MCS7	1	4	19	-80	19	-78	19	-81

			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)
MCS8	1	4	18	-77	18	-73	18	-77
MCS9	1	4	18	-75	17	-72	18	-75
MCS10	1	4	17	-71	17	-68	17	-71
MCS11	1	4	17	-70	17	-66	17	-70
MCS0	2	4	23	-95	23	-93	23	-96
MCS4	2	4	22	-84	21	-81	21	-85
MCS7	2	4	19	-77	19	-74	19	-78
MCS8	2	4	18	-74	18	-71	18	-74
MCS9	2	4	18	-72	17	-69	18	-73
MCS10	2	4	17	-69	17	-66	17	-69
MCS11	2	4	17	-67	17	-60	17	-67
MCS0	3	4	23	-94	23	-92	23	-95
MCS4	3	4	22	-82	21	-80	21	-83
MCS7	3	4	19	-75	19	-73	19	-76
MCS8	3	4	18	-72	18	-69	18	-73
MCS9	3	4	18	-70	17	-65	18	-71
MCS10	3	4	17	-67	17	-62	17	-67
MCS11	3	4	17	-65	17	-59	17	-65
MCS0	4	4	23	-93	23	-91	23	-94
MCS4	4	4	22	-81	21	-79	21	-82
MCS7	4	4	19	-75	19	-72	19	-75
MCS8	4	4	18	-71	18	-68	18	-71
MCS9	4	4	18	-69	17	-65	18	-69
MCS10	4	4	17	-67	17	-63	17	-67
MCS11	4	4	17	-64	17	-60	17	-65
802.11ax HE40								

			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)
MCS0	1	4	23	-93	23	-92	–	–
MCS4	1	4	22	-84	22	-83	–	–
MCS7	1	4	19	-77	19	-75	–	–
MCS8	1	4	18	-73	18	-71	–	–
MCS9	1	4	18	-72	18	-70	–	–
MCS10	1	4	17	-69	17	-66	–	–
MCS11	1	4	17	-66	17	-62	–	–
MCS0	2	4	23	-92	23	-91	–	–
MCS4	2	4	22	-81	22	-79	–	–
MCS7	2	4	19	-74	19	-73	–	–
MCS8	2	4	18	-71	18	-69	–	–
MCS9	2	4	18	-69	18	-67	–	–
MCS10	2	4	17	-66	17	-62	–	–
MCS11	2	4	17	-64	17	-60	–	–
MCS0	3	4	23	-91	23	-89	–	–
MCS4	3	4	22	-79	22	-78	–	–
MCS7	3	4	19	-72	19	-70	–	–
MCS8	3	4	18	-69	18	-67	–	–
MCS9	3	4	18	-67	18	-60	–	–
MCS10	3	4	17	-64	17	-60	–	–
MCS11	3	4	17	-61	17	-56	–	–
MCS0	4	4	23	-90	23	-88	–	–
MCS4	4	4	22	-78	22	-76	–	–
MCS7	4	4	19	-71	19	-69	–	–
MCS8	4	4	18	-68	18	-66	–	–
MCS9	4	4	18	-66	18	-63	–	–

			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)
MCS10	4	4	17	-63	17	-57	–	–
MCS11	4	4	17	-60	17	-54	–	–
802.11ax HE80								
MCS0	1	4	23	-90	23	-89	–	–
MCS4	1	4	22	-82	22	-80	–	–
MCS7	1	4	19	-74	19	-73	–	–
MCS8	1	4	18	-71	18	-69	–	–
MCS9	1	4	18	-69	18	-67	–	–
MCS10	1	4	17	-66	17	-64	–	–
MCS11	1	4	17	-64	17	-61	–	–
MCS0	2	4	23	-89	23	-88	–	–
MCS4	2	4	22	-79	22	-77	–	–
MCS7	2	4	19	-72	19	-70	–	–
MCS8	2	4	18	-68	18	-65	–	–
MCS9	2	4	18	-66	18	-64	–	–
MCS10	2	4	17	-63	17	-60	–	–
MCS11	2	4	17	-61	17	-58	–	–
MCS0	3	4	23	-88	23	-86	–	–
MCS4	3	4	22	-77	22	-75	–	–
MCS7	3	4	19	-70	19	-67	–	–
MCS8	3	4	18	-66	18	-64	–	–
MCS9	3	4	18	-64	18	-62	–	–
MCS10	3	4	17	-61	17	-59	–	–
MCS11	3	4	17	-59	17	-56	–	–
MCS0	4	4	23	-87	23	-85	–	–
MCS4	4	4	22	-75	22	-73	–	–

			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	4	4	19	-69	19	-66	–	–
MCS8	4	4	18	-65	18	-63	–	–
MCS9	4	4	18	-63	18	-61	–	–
MCS10	4	4	17	-60	17	-57	–	–
MCS11	4	4	17	-58	17	-55	–	–
802.11ax HE160								
MCS0	1	4	23	-88	20	-83	–	–
MCS4	1	4	22	-79	19	-71	–	–
MCS7	1	4	19	-72	16	-64	–	–
MCS8	1	4	18	-68	15	-61	–	–
MCS9	1	4	18	-66	15	-59	–	–
MCS10	1	4	17	-63	14	-55	–	–
MCS11	1	4	17	-61	14	-53	–	–
MCS0	2	4	23	-87	20	-83	–	–
MCS4	2	4	22	-77	19	-72	–	–
MCS7	2	4	19	-69	16	-764	–	–
MCS8	2	4	18	-65	15	-61	–	–
MCS9	2	4	18	-63	15	-59	–	–
MCS10	2	4	17	-60	14	-55	–	–
MCS11	2	4	17	-57	14	-53	–	–
MCS0	3	4	23	-85	–	–	–	–
MCS4	3	4	22	-74	–	–	–	–
MCS7	3	4	19	-67	–	–	–	–
MCS8	3	4	18	-64	–	–	–	–
MCS9	3	4	18	-62	–	–	–	–
MCS10	3	4	17	-58	–	–	–	–

			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)
MCS11	3	4	17	-56	–	–	–	–
MCS0	4	4	23	-84	–	–	–	–
MCS4	4	4	22	-73	–	–	–	–
MCS7	4	4	19	-66	–	–	–	–
MCS8	4	4	18	-62	–	–	–	–
MCS9	4	4	18	-61	–	–	–	–
MCS10	4	4	17	-56	–	–	–	–
MCS11	4	4	17	-54	–	–	–	–