



# Transmit Power and Receive Sensitivity Values

*Table 1: C9136I AP Transmit Power and Receive Sensitivity Values*

				6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)	Total Tx Power (dBm)	Rx Sensitivity (dBm)	
<b>802.11/11b</b>											
1 Mbps	1	4	–	–	–	–	–	–	23	-104	
11 Mbps	1	4	–	–	–	–	–	–	23	-98	
<b>802.11a/g</b>											
6 Mbps	1	4	23	-99	23	-99	23	-99	23	-99	
24 Mbps	1	4	23	-93	23	-90	23	-90	23	-93	
54 Mbps	1	4	23	-85	23	-83	23	-83	21	-84	
<b>802.11n HT20</b>											
MCS0	1	4	–	–	23	-100	23	-100	23	-100	
MCS4	1	4	–	–	23	-87	23	-87	23	-90	
MCS7	1	4	–	–	23	-80	23	-80	20	-82	
MCS8	2	4	–	–	23	-96	23	-96	23	-98	
MCS12	2	4	–	–	23	-84	23	-84	23	-86	
MCS15	2	4	–	–	23	-77	23	-77	20	-79	
MCS16	3	4	–	–	23	-95	23	-95	23	-97	
MCS20	3	4	–	–	23	-82	23	-82	23	-85	
MCS23	3	4	–	–	23	-74	23	-74	20	-76	
MCS24	4	4	–	–	23	-93	23	-93	23	-95	

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)	Total Tx Power (dBm)	Rx Sensitivity (dBm)
MCS28	4	4	–	–	23	-81	23	-81	23	-83
MCS31	4	4	–	–	23	-74	23	-74	20	-76
<b>802.11n HT40</b>										
MCS0	1	4	–	–	23	-97	23	-97	–	–
MCS4	1	4	–	–	23	-87	23	-87	–	–
MCS7	1	4	–	–	22	-79	22	-79	–	–
MCS8	2	4	–	–	23	-94	23	-94	–	–
MCS12	2	4	–	–	23	-83	23	-83	–	–
MCS15	2	4	–	–	22	-76	22	-76	–	–
MCS16	3	4	–	–	23	-92	23	-92	–	–
MCS20	3	4	–	–	23	-81	23	-81	–	–
MCS23	3	4	–	–	22	-74	22	-74	–	–
MCS24	4	4	–	–	23	-91	23	-91	–	–
MCS28	4	4	–	–	23	-80	23	-80	–	–
MCS31	4	4	–	–	22	-73	22	-73	–	–
<b>802.11ac VHT20</b>										
MCS0	1	4	–	–	23	-100	23	-100	–	–
MCS4	1	4	–	–	23	-91	23	-91	–	–
MCS7	1	4	–	–	23	-84	23	-84	–	–
MCS8	1	4	–	–	22	-78	22	-78	–	–
MCS9	1	4	–	–	–	–	–	–	–	–
MCS0	2	4	–	–	23	-96	23	-96	–	–
MCS4	2	4	–	–	23	-87	23	-87	–	–
MCS7	2	4	–	–	23	-80	23	-80	–	–
MCS8	2	4	–	–	22	-75	22	-75	–	–
MCS9	2	4	–	–	–	–	–	–	–	–
MCS0	3	4	–	–	23	-95	23	-95	–	–
MCS4	3	4	–	–	23	-85	23	-85	–	–
MCS7	3	4	–	–	23	-78	23	-78	–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	–	–	22	-73	22	-73	–	–
MCS9	3	4	–	–	21	-72	21	-72	–	–
MCS0	4	4	–	–	23	-93	23	-93	–	–
MCS4	4	4	–	–	23	-84	23	-84	–	–
MCS7	4	4	–	–	23	-77	23	-77	–	–
MCS8	4	4	–	–	22	-72	22	-72	–	–
MCS9	4	4	–	–	–	–	–	–	–	–
MCS0	1	8	–	–	26	-100	Using 5-GHz primary & secondary		–	–
MCS4	1	8	–	–	26	-93	Using 5-GHz primary & secondary		–	–
MCS7	1	8	–	–	26	-85	Using 5-GHz primary & secondary		–	–
MCS8	1	8	–	–	25	-79	Using 5-GHz primary & secondary		–	–
MCS9	1	8	–	–	–	–	–	–	–	–
MCS0	2	8	–	–	26	-98	Using 5-GHz primary & secondary		–	–
MCS4	2	8	–	–	26	-89	Using 5-GHz primary & secondary		–	–
MCS7	2	8	–	–	26	-82	Using 5-GHz primary & secondary		–	–
MCS8	2	8	–	–	25	-77	Using 5-GHz primary & secondary		–	–
MCS9	2	8	–	–	–	–	–	–	–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	3	8	–	–	26	-96	Using 5-GHz primary & secondary		–	–
MCS4	3	8	–	–	26	-88	Using 5-GHz primary & secondary		–	–
MCS7	3	8	–	–	26	-81	Using 5-GHz primary & secondary		–	–
MCS8	3	8	–	–	25	-76	Using 5-GHz primary & secondary		–	–
MCS9	3	8	–	–	24	-74	Using 5-GHz primary & secondary		–	–
MCS0	4	8	–	–	26	-95	Using 5-GHz primary & secondary		–	–
MCS4	4	8	–	–	26	-87	Using 5-GHz primary & secondary		–	–
MCS7	4	8	–	–	26	-79	Using 5-GHz primary & secondary		–	–
MCS8	4	8	–	–	25	-74	Using 5-GHz primary & secondary		–	–
MCS9	4	8	–	–	–	–	–	–	–	–
MCS0	6	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–
MCS4	6	8	–	–	26	-85	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	6	8	–	–	26	-77	Using 5-GHz primary & secondary		–	–
MCS8	6	8	–	–	25	-72	Using 5-GHz primary & secondary		–	–
MCS9	6	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS0	8	8	–	–	26	-93	Using 5-GHz primary & secondary		–	–
MCS4	8	8	–	–	26	-84	Using 5-GHz primary & secondary		–	–
MCS7	8	8	–	–	26	-77	Using 5-GHz primary & secondary		–	–
MCS8	8	8	–	–	25	-72	Using 5-GHz primary & secondary		–	–
MCS9	8	8	–	–	–	–	–	–	–	–
<b>802.11ac VHT40</b>										
MCS0	1	4	–	–	23	-98	23	-98	–	–
MCS4	1	4	–	–	23	-89	23	-89	–	–
MCS7	1	4	–	–	22	-81	22	-81	–	–
MCS8	1	4	–	–	21	-77	21	-77	–	–
MCS9	1	4	–	–	21	-73	21	-73	–	–
MCS0	2	4	–	–	23	-95	23	-95	–	–
MCS4	2	4	–	–	23	-85	23	-85	–	–
MCS7	2	4	–	–	22	-77	22	-77	–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	2	4	–	–	21	-74	21	-74	–	–
MCS9	2	4	–	–	21	-72	21	-72	–	–
MCS0	3	4	–	–	23	-93	23	-93	–	–
MCS4	3	4	–	–	23	-83	23	-83	–	–
MCS7	3	4	–	–	22	-75	22	-75	–	–
MCS8	3	4	–	–	21	-72	21	-72	–	–
MCS9	3	4	–	–	21	-70	21	-70	–	–
MCS0	4	4	–	–	23	-92	23	-92	–	–
MCS4	4	4	–	–	23	-82	23	-82	–	–
MCS7	4	4	–	–	22	-74	22	-74	–	–
MCS8	4	4	–	–	21	-70	21	-70	–	–
MCS9	4	4	–	–	21	-69	21	-69	–	–
MCS0	1	8	–	–	26	-98	Using 5-GHz primary & secondary		–	–
MCS4	1	8	–	–	26	-91	Using 5-GHz primary & secondary		–	–
MCS7	1	8	–	–	25	-83	Using 5-GHz primary & secondary		–	–
MCS8	1	8	–	–	24	-78	Using 5-GHz primary & secondary		–	–
MCS9	1	8	–	–	24	-76	Using 5-GHz primary & secondary		–	–
MCS0	2	8	–	–	26	-96	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS4	2	8	–	–	26	-87	Using 5-GHz primary & secondary		–	–
MCS7	2	8	–	–	25	-80	Using 5-GHz primary & secondary		–	–
MCS8	2	8	–	–	24	-76	Using 5-GHz primary & secondary		–	–
MCS9	2	8	–	–	24	-74	Using 5-GHz primary & secondary		–	–
MCS0	3	8	–	–	26	-95	Using 5-GHz primary & secondary		–	–
MCS4	3	8	–	–	26	-86	Using 5-GHz primary & secondary		–	–
MCS7	3	8	–	–	25	-78	Using 5-GHz primary & secondary		–	–
MCS8	3	8	–	–	24	-74	Using 5-GHz primary & secondary		–	–
MCS9	3	8	–	–	24	-72	Using 5-GHz primary & secondary		–	–
MCS0	4	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–
MCS4	4	8	–	–	26	-85	Using 5-GHz primary & secondary		–	–
MCS7	4	8	–	–	25	-77	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	4	8	–	–	24	-73	Using 5-GHz primary & secondary		–	–
MCS9	4	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS0	6	8	–	–	26	-93	Using 5-GHz primary & secondary		–	–
MCS4	6	8	–	–	26	-83	Using 5-GHz primary & secondary		–	–
MCS7	6	8	–	–	25	-75	Using 5-GHz primary & secondary		–	–
MCS8	6	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–
MCS9	6	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–
MCS0	8	8	–	–	26	-92	Using 5-GHz primary & secondary		–	–
MCS4	8	8	–	–	26	-82	Using 5-GHz primary & secondary		–	–
MCS7	8	8	–	–	25	-74	Using 5-GHz primary & secondary		–	–
MCS8	8	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–
MCS9	8	8	–	–	24	-69	Using 5-GHz primary & secondary		–	–



			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
<b>802.11ac VHT80</b>										
MCS0	1	4	–	–	23	-93	23	-93	–	–
MCS4	1	4	–	–	23	-85	23	-85	–	–
MCS7	1	4	–	–	22	-78	22	-78	–	–
MCS8	1	4	–	–	21	-73	21	-73	–	–
MCS9	1	4	–	–	20	-71	20	-71	–	–
MCS0	2	4	–	–	23	-91	23	-91	–	–
MCS4	2	4	–	–	23	-81	23	-81	–	–
MCS7	2	4	–	–	22	-74	22	-74	–	–
MCS8	2	4	–	–	21	-70	21	-70	–	–
MCS9	2	4	–	–	20	-68	20	-68	–	–
MCS0	3	4	–	–	23	-89	23	-89	–	–
MCS4	3	4	–	–	23	-79	23	-79	–	–
MCS7	3	4	–	–	22	-72	22	-72	–	–
MCS8	3	4	–	–	21	-68	21	-68	–	–
MCS9	3	4	–	–	20	-66	20	-66	–	–
MCS0	4	4	–	–	23	-88	23	-88	–	–
MCS4	4	4	–	–	23	-78	23	-78	–	–
MCS7	4	4	–	–	22	-71	22	-71	–	–
MCS8	4	4	–	–	21	-66	21	-66	–	–
MCS9	4	4	–	–	20	-65	20	-65	–	–
MCS0	1	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–
MCS4	1	8	–	–	26	-87	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	1	8	–	–	25	-79	Using 5-GHz primary & secondary		–	–
MCS8	1	8	–	–	24	-74	Using 5-GHz primary & secondary		–	–
MCS9	1	8	–	–	23	-73	Using 5-GHz primary & secondary		–	–
MCS0	2	8	–	–	26	-92	Using 5-GHz primary & secondary		–	–
MCS4	2	8	–	–	26	-84	Using 5-GHz primary & secondary		–	–
MCS7	2	8	–	–	25	-76	Using 5-GHz primary & secondary		–	–
MCS8	2	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS9	2	8	–	–	23	-71	Using 5-GHz primary & secondary		–	–
MCS0	3	8	–	–	26	-91	Using 5-GHz primary & secondary		–	–
MCS4	3	8	–	–	26	-82	Using 5-GHz primary & secondary		–	–
MCS7	3	8	–	–	25	-75	Using 5-GHz primary & secondary		–	–
MCS8	3	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	3	8	–	–	23	-69	Using 5-GHz primary & secondary		–	–
MCS0	4	8	–	–	26	-90	Using 5-GHz primary & secondary		–	–
MCS4	4	8	–	–	26	-81	Using 5-GHz primary & secondary		–	–
MCS7	4	8	–	–	25	-73	Using 5-GHz primary & secondary		–	–
MCS8	4	8	–	–	24	-69	Using 5-GHz primary & secondary		–	–
MCS9	4	8	–	–	23	-68	Using 5-GHz primary & secondary		–	–
MCS0	6	8	–	–	26	-89	Using 5-GHz primary & secondary		–	–
MCS4	6	8	–	–	26	-79	Using 5-GHz primary & secondary		–	–
MCS7	6	8	–	–	25	-71	Using 5-GHz primary & secondary		–	–
MCS8	6	8	–	–	24	-67	Using 5-GHz primary & secondary		–	–
MCS9	6	8	–	–	–	–	–	–	–	–
MCS0	8	8	–	–	26	-88	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS4	8	8	–	–	26	-78	Using 5-GHz primary & secondary		–	–
MCS7	8	8	–	–	25	-71	Using 5-GHz primary & secondary		–	–
MCS8	8	8	–	–	24	-66	Using 5-GHz primary & secondary		–	–
MCS9	8	8	–	–	23	-65	Using 5-GHz primary & secondary		–	–
<b>802.11ac VHT160</b>										
MCS0	1	4	–	–	23	-88	Using 5-GHz primary & secondary		–	–
MCS4	1	4	–	–	23	-81	Using 5-GHz primary & secondary		–	–
MCS7	1	4	–	–	22	-73	Using 5-GHz primary & secondary		–	–
MCS8	1	4	–	–	21	-69	Using 5-GHz primary & secondary		–	–
MCS9	1	4	–	–	20	-67	Using 5-GHz primary & secondary		–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	-87	Using 5-GHz primary & secondary		–	–
MCS4	2	4	–	–	23	-78	Using 5-GHz primary & secondary		–	–
MCS7	2	4	–	–	22	-70	Using 5-GHz primary & secondary		–	–
MCS8	2	4	–	–	21	-66	Using 5-GHz primary & secondary		–	–
MCS9	2	4	–	–	20	-64	Using 5-GHz primary & secondary		–	–
MCS0	3	4	–	–	23	-86	Using 5-GHz primary & secondary		–	–
MCS4	3	4	–	–	23	-76	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	3	4	–	–	22	-68	Using 5-GHz primary & secondary		–	–
MCS8	3	4	–	–	21	-64	Using 5-GHz primary & secondary		–	–
MCS9	3	4	–	–	–	–	–		–	–
MCS0	4	4	–	–	23	-85	Using 5-GHz primary & secondary		–	–
MCS4	4	4	–	–	23	-75	Using 5-GHz primary & secondary		–	–
MCS7	4	4	–	–	22	-67	Using 5-GHz primary & secondary		–	–
MCS8	4	4	–	–	21	-63	Using 5-GHz primary & secondary		–	–
MCS9	4	4	–	–	20	-61	Using 5-GHz primary & secondary		–	–
<b>802.11ax HE20</b>										
MCS0	1	4	23	-98	23	-100	23	-100	23	-100

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS4	1	4	23	-92	23	-90	23	-90	23	-91
MCS7	1	4	22	-84	23	-83	23	-83	20	-84
MCS8	1	4	22	-80	22	-77	22	-77	19	-78
MCS9	1	4	21	-79	21	-77	21	-77	19	-78
MCS10	1	4	20	-74	20	-70	20	-70	18	-73
MCS11	1	4	20	-73	20	-70	20	-70	18	-71
MCS0	2	4	23	-97	23	-97	23	-97	23	-97
MCS4	2	4	23	-88	23	-86	23	-86	23	-87
MCS7	2	4	22	-81	23	-80	23	-80	20	-80
MCS8	2	4	22	-77	22	-75	22	-75	19	-75
MCS9	2	4	21	-77	21	-74	21	-74	19	-75
MCS10	2	4	20	-72	20	-68	20	-68	18	-71
MCS11	2	4	20	-70	20	-66	20	-66	18	-68
MCS0	3	4	23	-95	23	-95	23	-95	23	-95
MCS4	3	4	23	-87	23	-84	23	-84	23	-86
MCS7	3	4	22	-79	23	-77	23	-77	20	-78
MCS8	3	4	22	-76	22	-73	22	-73	19	-74
MCS9	3	4	21	-75	21	-73	21	-73	19	-73
MCS10	3	4	20	-69	20	-66	20	-66	18	-69
MCS11	3	4	20	-68	20	-65	20	-65	18	-66
MCS0	4	4	23	-94	23	-94	23	-94	23	-95
MCS4	4	4	23	-85	23	-83	23	-83	23	-84
MCS7	4	4	22	-78	23	-77	23	-77	20	-78
MCS8	4	4	22	-74	22	-72	22	-72	19	-73
MCS9	4	4	21	-73	21	-71	21	-71	19	-72

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS10	4	4	20	-69	20	-66	20	-66	18	-68
MCS11	4	4	20	-67	20	-65	20	-65	18	-66
MCS0	1	8	–	–	26	-100	Using 5-GHz primary & secondary		–	–
MCS4	1	8	–	–	26	-92	Using 5-GHz primary & secondary		–	–
MCS7	1	8	–	–	26	-86	Using 5-GHz primary & secondary		–	–
MCS8	1	8	–	–	25	-80	Using 5-GHz primary & secondary		–	–
MCS9	1	8	–	–	24	-79	Using 5-GHz primary & secondary		–	–
MCS10	1	8	–	–	23	-74	Using 5-GHz primary & secondary		–	–
MCS11	1	8	–	–	23	-73	Using 5-GHz primary & secondary		–	–
MCS0	2	8	–	–	26	-99	Using 5-GHz primary & secondary		–	–
MCS4	2	8	–	–	26	-89	Using 5-GHz primary & secondary		–	–
MCS7	2	8	–	–	26	-79	Using 5-GHz primary & secondary		–	–
MCS8	2	8	–	–	25	-78	Using 5-GHz primary & secondary		–	–



			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	8	–	–	24	-76	Using 5-GHz primary & secondary		–	–
MCS10	2	8	–	–	23	-73	Using 5-GHz primary & secondary		–	–
MCS11	2	8	–	–	23	-70	Using 5-GHz primary & secondary		–	–
MCS0	3	8	–	–	26	-98	Using 5-GHz primary & secondary		–	–
MCS4	3	8	–	–	26	-84	Using 5-GHz primary & secondary		–	–
MCS7	3	8	–	–	26	-81	Using 5-GHz primary & secondary		–	–
MCS8	3	8	–	–	25	-77	Using 5-GHz primary & secondary		–	–
MCS9	3	8	–	–	24	-75	Using 5-GHz primary & secondary		–	–
MCS10	3	8	–	–	23	-70	Using 5-GHz primary & secondary		–	–
MCS11	3	8	–	–	23	-68	Using 5-GHz primary & secondary		–	–
MCS0	4	8	–	–	26	-96	Using 5-GHz primary & secondary		–	–
MCS4	4	8	–	–	26	-86	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	8	–	–	26	-80	Using 5-GHz primary & secondary		–	–
MCS8	4	8	–	–	25	-75	Using 5-GHz primary & secondary		–	–
MCS9	4	8	–	–	24	-73	Using 5-GHz primary & secondary		–	–
MCS10	4	8	–	–	23	-70	Using 5-GHz primary & secondary		–	–
MCS11	4	8	–	–	23	-68	Using 5-GHz primary & secondary		–	–
MCS0	6	8	–	–	26	-95	Using 5-GHz primary & secondary		–	–
MCS4	6	8	–	–	26	-84	Using 5-GHz primary & secondary		–	–
MCS7	6	8	–	–	26	-77	Using 5-GHz primary & secondary		–	–
MCS8	6	8	–	–	25	-73	Using 5-GHz primary & secondary		–	–
MCS9	6	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS10	6	8	–	–	23	-67	Using 5-GHz primary & secondary		–	–
MCS11	6	8	–	–	23	-65	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	8	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–
MCS4	8	8	–	–	26	-83	Using 5-GHz primary & secondary		–	–
MCS7	8	8	–	–	26	-77	Using 5-GHz primary & secondary		–	–
MCS8	8	8	–	–	25	-72	Using 5-GHz primary & secondary		–	–
MCS9	8	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS10	8	8	–	–	23	-66	Using 5-GHz primary & secondary		–	–
MCS11	8	8	–	–	23	-65	Using 5-GHz primary & secondary		–	–
<b>802.11ax HE40</b>										
MCS0	1	4	23	-95	23	-96	23	-96	–	–
MCS4	1	4	23	-89	23	-87	23	-87	–	–
MCS7	1	4	22	-82	22	-81	22	-81	–	–
MCS8	1	4	22	-77	21	-76	21	-76	–	–
MCS9	1	4	22	-77	21	-75	21	-75	–	–
MCS10	1	4	20	-74	19	-71	19	-71	–	–
MCS11	1	4	20	-71	19	-68	19	-68	–	–
MCS0	2	4	23	-94	23	-95	23	-95	–	–
MCS4	2	4	23	-86	23	-84	23	-84	–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	2	4	22	-79	22	-77	22	-77	–	–
MCS8	2	4	22	-74	21	-73	21	-73	–	–
MCS9	2	4	22	-73	21	-71	21	-71	–	–
MCS10	2	4	20	-70	19	-69	19	-69	–	–
MCS11	2	4	20	-68	19	-66	19	-66	–	–
MCS0	3	4	23	-93	23	-93	23	-93	–	–
MCS4	3	4	23	-84	23	-82	23	-82	–	–
MCS7	3	4	22	-77	22	-75	22	-75	–	–
MCS8	3	4	22	-72	21	-72	21	-72	–	–
MCS9	3	4	22	-72	21	-70	21	-70	–	–
MCS10	3	4	20	-68	19	-67	19	-67	–	–
MCS11	3	4	20	-66	19	-63	19	-63	–	–
MCS0	4	4	23	-91	23	-92	23	-92	–	–
MCS4	4	4	23	-82	23	-81	23	-81	–	–
MCS7	4	4	22	-75	22	-74	22	-74	–	–
MCS8	4	4	22	-71	21	-70	21	-70	–	–
MCS9	4	4	22	-70	21	-69	21	-69	–	–
MCS10	4	4	20	-67	19	-65	19	-65	–	–
MCS11	4	4	20	-64	19	-62	19	-62	–	–
MCS0	1	8	–	–	26	-98	Using 5-GHz primary & secondary		–	–
MCS4	1	8	–	–	26	-89	Using 5-GHz primary & secondary		–	–
MCS7	1	8	–	–	25	-81	Using 5-GHz primary & secondary		–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	1	8	–	–	24	-77	Using 5-GHz primary & secondary		–	–
MCS9	1	8	–	–	24	-76	Using 5-GHz primary & secondary		–	–
MCS10	1	8	–	–	22	-73	Using 5-GHz primary & secondary		–	–
MCS11	1	8	–	–	22	-70	Using 5-GHz primary & secondary		–	–
MCS0	2	8	–	–	26	-96	Using 5-GHz primary & secondary		–	–
MCS4	2	8	–	–	26	-86	Using 5-GHz primary & secondary		–	–
MCS7	2	8	–	–	25	-79	Using 5-GHz primary & secondary		–	–
MCS8	2	8	–	–	24	-75	Using 5-GHz primary & secondary		–	–
MCS9	2	8	–	–	24	-73	Using 5-GHz primary & secondary		–	–
MCS10	2	8	–	–	22	-70	Using 5-GHz primary & secondary		–	–
MCS11	2	8	–	–	22	-68	Using 5-GHz primary & secondary		–	–
MCS0	3	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS4	3	8	–	–	26	-84	Using 5-GHz primary & secondary		–	–
MCS7	3	8	–	–	25	-77	Using 5-GHz primary & secondary		–	–
MCS8	3	8	–	–	24	-73	Using 5-GHz primary & secondary		–	–
MCS9	3	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS10	3	8	–	–	22	-68	Using 5-GHz primary & secondary		–	–
MCS11	3	8	–	–	22	-66	Using 5-GHz primary & secondary		–	–
MCS0	4	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–
MCS4	4	8	–	–	26	-83	Using 5-GHz primary & secondary		–	–
MCS7	4	8	–	–	25	-75	Using 5-GHz primary & secondary		–	–
MCS8	4	8	–	–	24	-72	Using 5-GHz primary & secondary		–	–
MCS9	4	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–
MCS10	4	8	–	–	22	-67	Using 5-GHz primary & secondary		–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	4	8	–	–	22	-65	Using 5-GHz primary & secondary		–	–
MCS0	6	8	–	–	26	-92	Using 5-GHz primary & secondary		–	–
MCS4	6	8	–	–	26	-81	Using 5-GHz primary & secondary		–	–
MCS7	6	8	–	–	25	-73	Using 5-GHz primary & secondary		–	–
MCS8	6	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–
MCS9	6	8	–	–	24	-68	Using 5-GHz primary & secondary		–	–
MCS10	6	8	–	–	22	-65	Using 5-GHz primary & secondary		–	–
MCS11	6	8	–	–	22	-63	Using 5-GHz primary & secondary		–	–
MCS0	8	8	–	–	26	-91	Using 5-GHz primary & secondary		–	–
MCS4	8	8	–	–	26	-80	Using 5-GHz primary & secondary		–	–
MCS7	8	8	–	–	25	-72	Using 5-GHz primary & secondary		–	–
MCS8	8	8	–	–	24	-69	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	8	8	–	–	24	-68	Using 5-GHz primary & secondary		–	–
MCS10	8	8	–	–	22	-65	Using 5-GHz primary & secondary		–	–
MCS11	8	8	–	–	22	-63	Using 5-GHz primary & secondary		–	–
<b>802.11ax HE80</b>										
MCS0	1	4	23	-91	23	-92	23	-92	–	–
MCS4	1	4	23	-85	23	-85	23	-85	–	–
MCS7	1	4	22	-78	22	-77	22	-77	–	–
MCS8	1	4	22	-75	21	-74	21	-74	–	–
MCS9	1	4	21	-73	20	-72	20	-72	–	–
MCS10	1	4	20	-70	20	-67	20	-67	–	–
MCS11	1	4	20	-68	19	-65	19	-65	–	–
MCS0	2	4	23	-90	23	-91	23	-91	–	–
MCS4	2	4	23	-82	23	-81	23	-81	–	–
MCS7	2	4	22	-75	22	-74	22	-74	–	–
MCS8	2	4	22	-71	21	-70	21	-70	–	–
MCS9	2	4	21	-69	20	-68	20	-68	–	–
MCS10	2	4	20	-66	20	-64	20	-64	–	–
MCS11	2	4	20	-64	19	-62	19	-62	–	–
MCS0	3	4	23	-89	23	-89	23	-89	–	–
MCS4	3	4	23	-81	23	-79	23	-79	–	–
MCS7	3	4	22	-73	22	-72	22	-72	–	–
MCS8	3	4	22	-70	21	-68	21	-68	–	–



			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	3	4	21	-68	20	-66	20	-66	–	–
MCS10	3	4	20	-65	20	-62	20	-62	–	–
MCS11	3	4	20	-63	19	-60	19	-60	–	–
MCS0	4	4	23	-88	23	-88	23	-88	–	–
MCS4	4	4	23	-79	23	-78	23	-78	–	–
MCS7	4	4	22	-72	22	-71	22	-71	–	–
MCS8	4	4	22	-69	21	-67	21	-67	–	–
MCS9	4	4	21	-67	20	-65	20	-65	–	–
MCS10	4	4	20	-64	20	-61	20	-61	–	–
MCS11	4	4	20	-62	19	-59	19	-59	–	–
MCS0	1	8	–	–	26	-94	Using 5-GHz primary & secondary		–	–
MCS4	1	8	–	–	26	-87	Using 5-GHz primary & secondary		–	–
MCS7	1	8	–	–	25	-81	Using 5-GHz primary & secondary		–	–
MCS8	1	8	–	–	24	-76	Using 5-GHz primary & secondary		–	–
MCS9	1	8	–	–	23	-74	Using 5-GHz primary & secondary		–	–
MCS10	1	8	–	–	23	-70	Using 5-GHz primary & secondary		–	–
MCS11	1	8	–	–	22	-68	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	8	–	–	26	-93	Using 5-GHz primary & secondary		–	–
MCS4	2	8	–	–	26	-84	Using 5-GHz primary & secondary		–	–
MCS7	2	8	–	–	25	-78	Using 5-GHz primary & secondary		–	–
MCS8	2	8	–	–	24	-73	Using 5-GHz primary & secondary		–	–
MCS9	2	8	–	–	23	-71	Using 5-GHz primary & secondary		–	–
MCS10	2	8	–	–	23	-67	Using 5-GHz primary & secondary		–	–
MCS11	2	8	–	–	22	-64	Using 5-GHz primary & secondary		–	–
MCS0	3	8	–	–	26	-92	Using 5-GHz primary & secondary		–	–
MCS4	3	8	–	–	26	-83	Using 5-GHz primary & secondary		–	–
MCS7	3	8	–	–	25	-76	Using 5-GHz primary & secondary		–	–
MCS8	3	8	–	–	24	-71	Using 5-GHz primary & secondary		–	–
MCS9	3	8	–	–	23	-69	Using 5-GHz primary & secondary		–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS10	3	8	–	–	23	-65	Using 5-GHz primary & secondary		–	–
MCS11	3	8	–	–	22	-63	Using 5-GHz primary & secondary		–	–
MCS0	4	8	–	–	26	-91	Using 5-GHz primary & secondary		–	–
MCS4	4	8	–	–	26	-81	Using 5-GHz primary & secondary		–	–
MCS7	4	8	–	–	25	-74	Using 5-GHz primary & secondary		–	–
MCS8	4	8	–	–	24	-70	Using 5-GHz primary & secondary		–	–
MCS9	4	8	–	–	23	-68	Using 5-GHz primary & secondary		–	–
MCS10	4	8	–	–	23	-64	Using 5-GHz primary & secondary		–	–
MCS11	4	8	–	–	22	-62	Using 5-GHz primary & secondary		–	–
MCS0	6	8	–	–	26	-89	Using 5-GHz primary & secondary		–	–
MCS4	6	8	–	–	26	-79	Using 5-GHz primary & secondary		–	–
MCS7	6	8	–	–	25	-72	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	6	8	–	–	24	-68	Using 5-GHz primary & secondary		–	–
MCS9	6	8	–	–	23	-66	Using 5-GHz primary & secondary		–	–
MCS10	6	8	–	–	23	-62	Using 5-GHz primary & secondary		–	–
MCS11	6	8	–	–	22	-59	Using 5-GHz primary & secondary		–	–
MCS0	8	8	–	–	26	-88	Using 5-GHz primary & secondary		–	–
MCS4	8	8	–	–	26	-78	Using 5-GHz primary & secondary		–	–
MCS7	8	8	–	–	25	-71	Using 5-GHz primary & secondary		–	–
MCS8	8	8	–	–	24	-67	Using 5-GHz primary & secondary		–	–
MCS9	8	8	–	–	23	-65	Using 5-GHz primary & secondary		–	–
MCS10	8	8	–	–	23	-61	Using 5-GHz primary & secondary		–	–
MCS11	8	8	–	–	22	-59	Using 5-GHz primary & secondary		–	–
<b>802.11ax HE160</b>										

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	1	4	23	-90	23	-87	Using 5-GHz primary & secondary		–	–
MCS4	1	4	23	-84	23	-82	Using 5-GHz primary & secondary		–	–
MCS7	1	4	22	-76	22	-74	Using 5-GHz primary & secondary		–	–
MCS8	1	4	22	-72	21	-69	Using 5-GHz primary & secondary		–	–
MCS9	1	4	21	-70	20	-68	Using 5-GHz primary & secondary		–	–
MCS10	1	4	20	-66	20	-63	Using 5-GHz primary & secondary		–	–
MCS11	1	4	20	-66	19	-62	Using 5-GHz primary & secondary		–	–
MCS0	2	4	23	-88	23	-87	Using 5-GHz primary & secondary		–	–
MCS4	2	4	23	-82	23	-79	Using 5-GHz primary & secondary		–	–
MCS7	2	4	22	-73	22	-71	Using 5-GHz primary & secondary		–	–
MCS8	2	4	22	-69	21	-66	Using 5-GHz primary & secondary		–	–
MCS9	2	4	21	-67	20	-65	Using 5-GHz primary & secondary		–	–

	Spatial Streams	Number of Active Antennas	6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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)
MCS10	2	4	20	-63	20	-61	Using 5-GHz primary & secondary		–	–
MCS11	2	4	20	-63	19	-59	Using 5-GHz primary & secondary		–	–
MCS0	3	4	23	-86	23	-86	Using 5-GHz primary & secondary		–	–
MCS4	3	4	23	-79	23	-76	Using 5-GHz primary & secondary		–	–
MCS7	3	4	22	-70	22	-69	Using 5-GHz primary & secondary		–	–
MCS8	3	4	22	-67	21	-65	Using 5-GHz primary & secondary		–	–
MCS9	3	4	21	-65	20	-63	Using 5-GHz primary & secondary		–	–
MCS10	3	4	20	-61	20	-59	Using 5-GHz primary & secondary		–	–
MCS11	3	4	20	-60	19	-58	Using 5-GHz primary & secondary		–	–
MCS0	4	4	23	-85	23	-85	Using 5-GHz primary & secondary		–	–
MCS4	4	4	23	-77	23	-75	Using 5-GHz primary & secondary		–	–
MCS7	4	4	22	-69	22	-68	Using 5-GHz primary & secondary		–	–

			6-GHz Radio		5-GHz Primary Radio		5-GHz Secondary 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	4	4	22	-66	21	-64	Using 5-GHz primary & secondary		–	–
MCS9	4	4	21	-64	20	-62	Using 5-GHz primary & secondary		–	–
MCS10	4	4	20	-60	20	-58	Using 5-GHz primary & secondary		–	–
MCS11	4	4	20	-59	19	-56	Using 5-GHz primary & secondary		–	–

