

Appendix B. Maximum e.i.r.p. at any elevation angle above 30 degrees

1. Maximum e.i.r.p. at any elevation angle above 30 degrees

For OMNI antenna:

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain 1 (dBm)	Chain 2 (dBm)	Chain 3 (dBm)	Chain 4 (dBm)	Total (dBm)	Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
Non BF	5180MHz	OFDM	Ch36	6Mbps	20.5	20.15	19.64	19.05	19.87	25.72	-6.850	18.87	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	21.5	20.81	20.14	19.72	20.63	26.37	-6.850	19.52	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	22.0	21.43	20.75	20.63	21.27	27.05	-6.850	20.20	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	21.0	20.06	19.43	19.17	19.92	25.68	-6.850	18.83	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	22.0	21.38	20.35	20.11	20.94	26.74	-6.850	19.89	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	21.5	21.06	20.02	20.12	20.63	26.50	-6.850	19.65	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	19.5	19.81	19.15	19.01	19.59	25.42	-6.850	18.57	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	21.0	21.59	20.64	20.66	21.28	27.08	-6.850	20.23	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	19.0	18.63	18.01	18.15	18.45	24.34	-6.850	17.49	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	25.0	17.45	17.91	17.9	17.58	23.74	-2.850	20.89	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	25.0	17.31	17.79	18.06	18.05	23.83	-2.850	20.98	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	25.0	17.36	18.14	18.06	17.65	23.83	-2.850	20.98	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	25.0	17.38	17.61	18.01	18.15	23.82	-2.850	20.97	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	25.0	17.53	17.79	18.29	17.58	23.83	-2.850	20.98	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	26.0	17.15	17.74	17.78	17.32	23.53	-2.850	20.68	21	Complies

Note: BF: Beamforming

For Directional antenna:

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain 1 (dBm)	Chain 2 (dBm)	Chain 3 (dBm)	Chain 4 (dBm)	Total (dBm)	Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
Non BF	5180MHz	OFDM	Ch36	6Mbps	16.0	15.89	15.78	15.67	16.08	21.88	-1.000	20.88	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	16.0	15.58	15.83	15.61	15.86	21.74	-1.000	20.74	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	16.0	15.89	15.89	15.84	16.18	21.97	-1.000	20.97	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	16.0	15.97	15.91	15.68	15.89	21.88	-1.000	20.88	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	16.0	15.79	16.08	15.69	15.84	21.87	-1.000	20.87	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	15.5	15.89	15.71	15.81	15.85	21.84	-1.000	20.84	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	14.5	15.68	16.07	15.48	15.49	21.71	-1.000	20.71	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	15.0	15.76	16.09	15.88	16.07	21.97	-1.000	20.97	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	15.5	15.96	15.56	15.72	15.92	21.81	-1.000	20.81	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	21.0	14.38	14.79	14.51	14.81	20.65	0.000	20.65	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	21.0	14.36	14.86	14.65	14.81	20.69	0.000	20.69	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	21.0	14.25	14.51	15.01	14.36	20.56	0.000	20.56	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	20.5	14.11	14.91	14.58	14.63	20.59	0.000	20.59	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	20.5	14.15	14.72	14.79	14.81	20.65	0.000	20.65	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	20.5	14.31	14.78	14.28	14.38	20.46	0.000	20.46	21	Complies

Note: BF: Beamforming