

Appendix C. 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

Ant.2 Omni-Directional antenna / 7.3dBi

For 1TX

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain 5 (dBm)	Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
SISO	5180MHz	OFDM	Ch36	6Mbps	64	15.20	5.677	20.88	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	64	15.25	5.677	20.93	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	64	15.16	5.677	20.84	21	Complies
	5180MHz	HT20	Ch36	MCS0	64	15.22	5.677	20.90	21	Complies
	5200MHz	HT20	Ch40	MCS0	64	15.26	5.677	20.94	21	Complies
	5240MHz	HT20	Ch48	MCS0	64	15.17	5.677	20.85	21	Complies
	5190MHz	HT40	Ch38	MCS0	64	15.29	5.677	20.97	21	Complies
	5230MHz	HT40	Ch46	MCS0	63	15.30	5.677	20.98	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	64	15.19	5.677	20.87	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	64	15.29	5.677	20.97	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	64	15.16	5.677	20.84	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	64	15.28	5.677	20.96	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	63	15.25	5.677	20.93	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	65	15.27	5.677	20.95	21	Complies



For 2TX

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain 4 (dBm)	Chain 5 (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	52	12	12.43	15.23	5.677	20.91	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	52	12.11	12.45	15.29	5.677	20.97	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	52	12.13	12.4	15.28	5.677	20.95	21	Complies
	5180MHz	HT20	Ch36	MCS0	52	12.01	12.44	15.24	5.677	20.92	21	Complies
	5200MHz	HT20	Ch40	MCS0	52	12.12	12.46	15.30	5.677	20.98	21	Complies
	5240MHz	HT20	Ch48	MCS0	52	12.13	12.41	15.28	5.677	20.96	21	Complies
	5190MHz	HT40	Ch38	MCS0	51	11.99	12.26	15.14	5.677	20.81	21	Complies
	5230MHz	HT40	Ch46	MCS0	51	12.07	12.35	15.22	5.677	20.90	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	52	12.01	12.44	15.24	5.677	20.92	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	52	12.12	12.46	15.30	5.677	20.98	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	52	12.13	12.41	15.28	5.677	20.96	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	51	12.06	12.26	15.17	5.677	20.85	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	51	12.23	12.36	15.31	5.677	20.98	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	52	11.99	12.54	15.28	5.677	20.96	21	Complies
BF	5180MHz	OFDM	Ch36	6Mbps	39	9.31	9.22	12.28	8.687	20.96	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	38	8.88	9.13	12.02	8.687	20.70	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	39	8.95	9.44	12.21	8.687	20.90	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	39	9.3	9.25	12.29	8.687	20.97	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	38	8.89	9.12	12.02	8.687	20.70	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	39	9.01	9.45	12.25	8.687	20.93	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	39	9.13	9.45	12.30	8.687	20.99	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	38	9.07	8.84	11.97	8.687	20.65	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	40	8.75	9.39	12.09	8.687	20.78	21	Complies
STBC	5180MHz	VHT20	Ch36	MCS0-Nss1	52	11.94	12.44	15.21	5.677	20.88	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	52	12.01	12.43	15.24	5.677	20.91	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	52	12.07	12.23	15.16	5.677	20.84	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	51	11.88	12.36	15.14	5.677	20.81	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	52	11.87	12.54	15.23	5.677	20.91	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	52	11.93	12.52	15.25	5.677	20.92	21	Complies



For 3TX

Mode	Frequency	Modulation	Channel	Data Rate	Conduct ed Pass Setting	Chain 4 (dBm)	Chain 5 (dBm)	Chain 6 (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	46	10.05	10.61	10.34	15.11	5.677	20.79	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	46	10.28	10.61	10.43	15.21	5.677	20.89	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	46	10.22	10.8	10.13	15.16	5.677	20.84	21	Complies
	5180MHz	HT20	Ch36	MCS0	46	10.06	10.66	10.38	15.14	5.677	20.82	21	Complies
	5200MHz	HT20	Ch40	MCS0	46	10.33	10.6	10.22	15.16	5.677	20.83	21	Complies
	5240MHz	HT20	Ch48	MCS0	46	10.25	10.82	10.2	15.20	5.677	20.88	21	Complies
	5190MHz	HT40	Ch38	MCS0	46	10.12	10.83	10.55	15.28	5.677	20.96	21	Complies
	5230MHz	HT40	Ch46	MCS0	45	10.07	10.94	10.11	15.16	5.677	20.84	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	46	10.04	10.63	10.43	15.14	5.677	20.82	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	46	10.26	10.6	10.25	15.14	5.677	20.82	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	46	10.23	10.81	10.2	15.19	5.677	20.87	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	46	10.05	10.85	10.44	15.23	5.677	20.91	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	46	10.08	11.01	10.31	15.26	5.677	20.93	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	46	10.33	10.67	10.53	15.28	5.677	20.96	21	Complies
BF	5180MHz	OFDM	Ch36	6Mbps	26	5.35	6.01	5.32	10.34	10.448	20.79	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	26	5.22	5.98	5.44	10.33	10.448	20.78	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	26	5.26	5.78	5.49	10.29	10.448	20.73	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	26	5.34	6	5.33	10.34	10.448	20.79	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	26	5.26	5.97	5.45	10.34	10.448	20.79	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	26	5.26	5.77	5.48	10.28	10.448	20.73	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	26	5.02	5.69	5.72	10.26	10.448	20.71	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	26	4.88	5.76	5.02	10.01	10.448	20.46	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	26	5.49	5.15	5.01	9.99	10.448	20.44	21	Complies
STBC	5180MHz	VHT20	Ch36	MCS0-Nss1	47	10.13	10.83	10.46	15.25	5.677	20.93	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	46	10.22	10.33	10.41	15.09	5.677	20.77	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	47	10.24	10.78	10.34	15.23	5.677	20.91	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	46	10.01	10.68	10.51	15.18	5.677	20.86	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	46	10.11	10.98	10.41	15.29	5.677	20.96	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	46	10.17	10.54	10.58	15.21	5.677	20.88	21	Complies