

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

Mode 1: EUT 1 + Set 2 Dipole Antenna / 6.01 dBi

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	3	4	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	19	18.24	17.72	17.68	17.95	23.92	-4.382	19.54	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	19	18.06	17.78	17.54	17.89	23.84	-4.382	19.46	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	19	18.01	17.57	17.56	17.99	23.81	-4.382	19.43	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	19	18.05	17.38	17.46	17.55	23.64	-4.382	19.26	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	19	17.87	17.38	17.56	17.62	23.63	-4.382	19.25	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	19	17.78	17.52	17.39	17.56	23.59	-4.382	19.20	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	16.5	16.22	15.95	15.77	15.73	21.94	-4.382	17.56	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	19.5	18.98	18.54	18.76	18.99	24.84	-4.382	20.46	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	11	10.01	9.92	9.73	10.05	15.95	-4.382	11.57	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	14.5	13.42	12.79	12.96	13.21	19.12	1.638	20.76	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	14.5	13.35	12.85	12.87	12.95	19.03	1.638	20.67	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	14.5	13.39	12.86	13.01	13.39	19.19	1.638	20.83	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	10	9.69	9.48	9.35	9.61	15.56	1.638	17.19	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	14	13.37	13.36	13.28	13.26	19.34	1.638	20.98	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	8.5	7.88	7.32	7.29	7.36	13.49	1.638	15.13	21	Complies

Note: BF: Beamforming

Mode 2: EUT 2 + Set 3 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	3	4	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	15.5	15.31	14.54	15.36	15.77	21.29	-0.690	20.60	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	15.5	15.41	15.08	15.54	15.92	21.52	-0.690	20.83	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	15	15.11	14.98	15.19	15.69	21.27	-0.690	20.58	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	15.5	15.19	15.08	15.25	15.29	21.22	-0.690	20.53	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	15.5	15.26	14.95	15.28	15.82	21.36	-0.690	20.67	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	15.5	15.35	15.12	15.46	15.71	21.44	-0.690	20.75	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	15	15.28	15.13	15.54	15.93	21.50	-0.690	20.81	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	14.5	15.07	14.82	15.21	15.84	21.27	-0.690	20.58	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	11.5	11.16	11.19	11.69	12.02	17.55	-0.690	16.86	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	9	9.06	8.85	10.11	8.89	15.28	5.330	20.61	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	9	8.93	8.88	10.18	8.94	15.29	5.330	20.62	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	9	9.01	8.97	9.98	8.95	15.27	5.330	20.60	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	8.5	9.32	8.91	10.27	9.08	15.45	5.330	20.78	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	8.5	9.43	9.26	10.12	8.97	15.49	5.330	20.82	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	8.5	9.23	8.87	9.98	8.81	15.27	5.330	20.60	21	Complies

Note: BF: Beamforming