

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	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	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

Degree	T5 @ 5150N	T6 @ 5150N	T7 @ 5150N	T8 @ 5150N
	XZ-plane	XZ-plane	XZ-plane	XZ-plane
0	-1.35	-7.147	-0.137	-12.951
1	-2.094	-6.329	0.052	-12.172
2	-1.452	-5.43	0.116	-12.193
3	-0.873	-4.529	0.21	-12.103
4	-1.13	-4.536	-0.108	-11.931
5	-1.381	-4.523	-0.597	-11.737
6	-1.627	-4.498	-1.067	-11.523
7	-1.451	-3.976	-1.474	-11.117
8	-1.169	-3.32	-1.528	-9.976
9	-0.886	-2.643	-1.58	-8.449
10	-0.681	-2.367	-1.631	-7.728
11	-0.527	-2.728	-1.765	-8.359
12	-0.373	-3.088	-1.908	-8.845
13	-0.301	-3.568	-2.051	-9.061
14	-0.303	-4.515	-2.044	-9.186
15	-0.29	-5.448	-1.937	-9.261
16	-0.174	-6.371	-1.829	-9.281
17	0.144	-6.117	-1.938	-9.92
18	0.464	-5.834	-2.363	-9.916
19	0.786	-5.506	-2.772	-9.597
20	0.424	-4.864	-3.097	-9.671
21	-0.01	-4.191	-3.151	-9.948
22	-0.44	-3.517	-3.205	-9.842
23	-0.468	-3.291	-3.259	-8.89
24	-0.319	-3.355	-3.013	-7.582
25	-0.159	-3.41	-2.733	-6.255
26	-0.15	-3.344	-2.452	-5.207
27	-0.379	-3.009	-2.681	-5.346
28	-0.608	-2.662	-3.241	-5.485
29	-0.731	-2.303	-3.792	-5.623
30	-0.419	-2.3	-4.22	-6.311
31	-0.089	-2.261	-4.38	-6.881
32	0.209	-2.191	-4.54	-7.246
33	0.009	-2.141	-4.899	-6.762
34	-0.187	-2.074	-6.042	-5.888
35	-0.381	-1.973	-7.162	-4.925
36	-0.92	-1.663	-8.264	-4.247
37	-1.452	-1.252	-7.373	-4.093
38	-1.882	-0.818	-6.475	-3.934
39	-2.118	-0.462	-5.566	-3.849
40	-2.201	-0.243	-5.351	-4.054
41	-2.284	-0.023	-5.212	-4.222
42	-2.316	0.171	-5.071	-4.349
43	-2.192	0.128	-5.089	-4.3
44	-1.963	0.119	-5.341	-4.222

45	-1.538	0.135	-5.581	-4.118
46	-1.33	0.344	-5.653	-3.784
47	-1.219	0.603	-5.359	-3.33
48	-1.107	0.901	-5.056	-2.847
49	-1.053	1.032	-4.821	-2.47
50	-0.997	1.034	-5.215	-2.168
51	-0.851	1.04	-5.522	-1.82
52	-0.677	0.899	-5.734	-1.456
53	-1.089	0.608	-6.065	-1.179
54	-1.468	0.316	-6.414	-0.827
55	-1.817	0.026	-6.764	-0.338
56	-2.332	-0.259	-6.912	-0.456
57	-2.778	-0.542	-6.873	-0.64
58	-3.122	-0.824	-6.768	-0.813
59	-3.064	-0.691	-6.571	-1.212
60	-2.735	-0.419	-6.236	-1.63
61	-2.348	-0.092	-5.901	-1.965
62	-2.318	0.265	-5.602	-2.018
63	-3.26	0.626	-5.618	-1.816
64	-4.2	0.987	-5.629	-1.609
65	-4.851	1.098	-5.634	-1.577
66	-4.334	1.055	-6.424	-1.968
67	-3.785	1.035	-7.247	-2.356
68	-3.202	0.919	-8.016	-2.741
69	-3.329	0.617	-8.84	-3.152
70	-3.77	0.317	-9.698	-3.493
71	-4.208	0.019	-10.53	-3.705
72	-5.135	-0.017	-11.817	-3.822
73	-7.163	-0.052	-13.81	-3.93
74	-9.121	-0.087	-15.799	-4.019
75	-11.012	0.032	-17.745	-3.886
76	-8.966	0.203	-19.047	-3.408
77	-6.908	0.385	-19.548	-2.829
78	-4.838	-0.185	-18.979	-2.477
79	-4.616	-1.079	-17.092	-2.747
80	-5.172	-1.972	-15.106	-3.012
81	-5.708	-2.483	-13.101	-3.069
82	-6.241	-2.42	-14.16	-2.296
83	-6.767	-2.355	-16.452	-1.498
84	-7.23	-2.329	-18.642	-0.691
85	-7.635	-2.453	-19.354	-1.122
86	-7.674	-2.553	-17.944	-1.854
87	-7.424	-2.641	-16.503	-2.561
88	-7.08	-2.877	-15.325	-2.617
89	-7.13	-3.149	-15.038	-2.26
90	-7.35	-3.417	-14.345	-1.903
91	-6.975	-3.4	-13.366	-1.722

92	-6.286	-3.185	-17.604	-1.954
93	-5.62	-2.952	-19.891	-2.185
94	-4.917	-2.848	-19.744	-2.375
95	-4.168	-2.841	-19.769	-2.401
96	-3.769	-2.794	-19.505	-2.428
97	-3.396	-2.607	-18.188	-2.454
98	-3.002	-1.921	-17.002	-2.44
99	-3.813	-1.234	-16.481	-2.417
100	-5.32	-0.545	-15.907	-2.388
101	-6.661	-0.378	-14.648	-2.704
102	-7.719	-0.209	-12.408	-3.166
103	-8.124	-0.036	-10.152	-3.626
104	-8.315	-0.158	-8.152	-3.716
105	-8.335	-0.479	-8.581	-3.244
106	-8.072	-0.8	-9.005	-2.756
107	-7.652	-0.961	-9.424	-2.296
108	-7.188	-0.883	-9.072	-1.941
109	-6.763	-0.802	-8.625	-1.585
110	-6.439	-0.739	-8.166	-1.325
111	-5.963	-0.854	-7.823	-1.926
112	-5.322	-0.967	-7.549	-2.525
113	-5.01	-1.077	-7.261	-3.122
114	-4.635	-0.942	-7.379	-3.38
115	-4.198	-0.783	-8.092	-3.469
116	-4.031	-0.609	-8.772	-3.496
117	-4.033	-0.59	-9.348	-3.695
118	-3.992	-0.64	-9.593	-4.097
119	-4.164	-0.688	-9.833	-4.5
120	-4.548	-0.68	-10.068	-4.911
121	-4.896	-0.538	-9.746	-5.358
122	-5.074	-0.391	-9.083	-5.804
123	-4.907	-0.319	-8.068	-6.251
124	-4.733	-0.936	-7.812	-6.425
125	-4.551	-1.51	-8.603	-6.512
126	-4.951	-1.978	-9.318	-6.439
127	-5.341	-2.63	-9.733	-6.401
128	-5.719	-3.312	-9.765	-6.275
129	-6.284	-3.992	-9.775	-6.054
130	-6.872	-4.443	-9.707	-5.918
131	-7.436	-4.727	-9.401	-5.89
132	-7.429	-4.987	-9.095	-5.824
133	-6.851	-5.169	-8.787	-5.668
134	-6.252	-5.239	-7.811	-5.404
135	-5.628	-5.217	-6.835	-5.131
136	-4.972	-5.048	-5.859	-4.851
137	-4.857	-4.469	-5.674	-5.222
138	-4.736	-3.851	-5.801	-5.593

139	-4.61	-3.196	-5.898	-5.963
140	-4.479	-2.79	-5.698	-6.13
141	-4.345	-2.413	-5.072	-6.246
142	-4.206	-2.035	-4.435	-6.361
143	-4.08	-2.01	-3.959	-6.203
144	-4.083	-2.212	-3.876	-5.909
145	-4.059	-2.404	-3.794	-5.6
146	-4.016	-2.477	-3.711	-5.553
147	-3.96	-2.282	-3.495	-5.876
148	-3.661	-1.975	-3.262	-6.111
149	-3.193	-1.589	-3.016	-6.224
150	-2.705	-1.552	-3.023	-6.316
151	-2.268	-1.477	-3.087	-6.316
152	-2.139	-1.378	-3.138	-6.205
153	-1.997	-1.33	-3.183	-6.31
154	-1.842	-1.276	-3.209	-6.443
155	-2.362	-1.215	-3.194	-6.574
156	-2.993	-1.396	-3.167	-6.761
157	-3.576	-1.659	-3.274	-6.939
158	-3.626	-1.842	-3.382	-7.088
159	-3.166	-1.998	-3.489	-7.353
160	-2.704	-2.267	-3.517	-7.709
161	-2.481	-2.535	-3.43	-8.064
162	-3.213	-2.706	-3.273	-8.372
163	-3.933	-2.717	-3.282	-8.496
164	-4.638	-2.711	-3.337	-8.617
165	-5.367	-2.693	-3.386	-8.735
166	-5.977	-3.282	-3.84	-9.911
167	-6.528	-3.872	-4.688	-11.072
168	-6.471	-4.33	-5.517	-12.219
169	-6.143	-4.777	-6.393	-12.537
170	-5.779	-5.225	-7.55	-12.471
171	-5.162	-5.64	-8.702	-12.367
172	-4.316	-6.993	-9.852	-13.588
173	-3.431	-8.832	-9.46	-15.044
174	-2.866	-10.45	-8.829	-15.844
175	-3.137	-11.179	-8.099	-15.285
176	-3.4	-10.656	-7.723	-13.127
177	-3.655	-9.864	-7.468	-10.915
178	-3.533	-9.052	-7.152	-8.674
179	-3.341	-8.949	-6.979	-9.071
180	-3.056	-8.764	-6.909	-9.446
181	-3.072	-8.518	-6.824	-9.783
182	-3.174	-9.052	-6.686	-10.178
183	-3.203	-9.932	-6.414	-10.816
184	-3.581	-10.81	-5.997	-11.438
185	-4.347	-13.416	-5.363	-12.04

186	-5.111	-15.393	-5.301	-12.507
187	-5.447	-14.644	-5.231	-12.748
188	-4.786	-12.843	-5.154	-12.698
189	-4.125	-11.963	-4.612	-12.471
190	-3.463	-10.687	-3.958	-12.236
191	-4.047	-8.664	-3.221	-11.987
192	-4.629	-8.635	-3.415	-12.733
193	-5.208	-8.056	-4.023	-12.918
194	-5.264	-7.067	-4.629	-12.125
195	-5.096	-6.64	-4.868	-11.181
196	-4.928	-6.496	-4.733	-10.52
197	-4.817	-6.321	-4.588	-9.827
198	-4.764	-7.078	-4.647	-9.2
199	-4.71	-9.22	-5.206	-9.555
200	-4.484	-11.27	-5.763	-9.907
201	-3.852	-12.879	-6.32	-10.257
202	-3.214	-13.248	-6.139	-10.144
203	-2.571	-13.617	-5.861	-9.979
204	-2.763	-14.188	-5.567	-9.815
205	-2.948	-16.371	-5.664	-9.237
206	-3.123	-18.045	-5.759	-8.209
207	-3.455	-19.116	-5.821	-7.07
208	-3.827	-18.881	-5.957	-6.2
209	-4.197	-18.284	-6.135	-6.581
210	-4.429	-17.545	-6.298	-6.952
211	-4.455	-16.463	-6.595	-7.243
212	-4.481	-15.214	-7.086	-6.9
213	-4.378	-13.955	-7.522	-6.453
214	-3.759	-12.679	-7.817	-5.819
215	-3.138	-11.276	-7.94	-6.352
216	-2.628	-9.733	-8.039	-7.001
217	-3.125	-8.083	-8.107	-7.615
218	-3.621	-7.985	-8.262	-7.938
219	-4.115	-7.868	-8.441	-7.781
220	-4.233	-7.731	-8.619	-7.361
221	-4.172	-8.558	-9.114	-6.866
222	-3.962	-9.279	-9.899	-6.38
223	-3.882	-9.876	-10.639	-5.875
224	-4.092	-9.342	-11.347	-5.379
225	-4.299	-8.34	-11.924	-5.167
226	-4.477	-7.335	-12.296	-4.951
227	-4.53	-7.801	-12.707	-4.729
228	-4.561	-9.111	-13.988	-4.773
229	-4.567	-9.949	-15.265	-4.862
230	-5.518	-9.892	-16.541	-4.929
231	-6.467	-10.994	-16.968	-4.465
232	-7.413	-11.85	-16.88	-3.773

233	-7.094	-12.489	-16.472	-3.076
234	-6.559	-13.946	-14.632	-2.806
235	-5.956	-15.336	-11.9	-2.964
236	-5.691	-16.34	-9.103	-3.117
237	-5.656	-14.561	-7.517	-3.135
238	-5.596	-11.673	-7.171	-2.851
239	-5.515	-8.753	-6.81	-2.567
240	-5.42	-6.949	-6.667	-2.282
241	-5.315	-6.283	-7.418	-2.439
242	-5.198	-5.615	-8.081	-2.603
243	-5.352	-4.98	-8.639	-2.739
244	-5.49	-4.415	-8.955	-2.244
245	-5.608	-3.756	-9.188	-1.577
246	-5.535	-3.022	-9.362	-0.879
247	-5.26	-2.639	-9.525	-0.694
248	-4.874	-2.284	-9.631	-0.861
249	-5.554	-1.917	-9.629	-1.01
250	-6.656	-1.863	-9.728	-1.008
251	-7.655	-1.883	-9.651	-0.8
252	-8.191	-1.893	-8.983	-0.587
253	-8.33	-2.478	-8.595	-0.487
254	-8.423	-3.52	-9.696	-0.657
255	-8.432	-4.325	-10.795	-0.82
256	-8.231	-4.627	-11.893	-0.977
257	-8.027	-4.35	-12.99	-0.868
258	-7.819	-4.05	-15.385	-0.717
259	-8.61	-3.727	-17.669	-0.555
260	-9.387	-4.096	-19.23	-0.454
261	-10.149	-4.429	-19.03	-0.348
262	-10.808	-4.648	-17.691	-0.217
263	-11.065	-4.159	-16.347	-0.092
264	-10.794	-3.571	-15.082	0.009
265	-10.619	-2.958	-14.141	0.117
266	-10.742	-3.044	-13.198	0.217
267	-10.837	-3.57	-12.251	0.252
268	-11.103	-4.045	-11.933	0.289
269	-11.641	-4.147	-11.655	0.33
270	-12.15	-3.723	-11.343	0.415
271	-12.629	-3.249	-12.251	0.505
272	-13.786	-2.887	-12.697	0.596
273	-14.858	-3.11	-12.515	0.425
274	-15.854	-3.306	-12.286	0.097
275	-16.66	-3.472	-12.295	-0.22
276	-17.402	-3.691	-12.304	-0.266
277	-18.143	-3.875	-12.873	-0.037
278	-17.47	-4.007	-14.961	0.216
279	-15.346	-4.322	-14.885	0.288

280	-13.182	-4.726	-12.633	-0.165
281	-11.32	-5.124	-13.253	-0.61
282	-10.182	-5.48	-13.616	-0.988
283	-8.953	-5.47	-13.603	-0.804
284	-7.847	-4.945	-12.63	-0.604
285	-8.726	-4.339	-11.227	-0.381
286	-9.334	-5.258	-9.672	-0.377
287	-9.652	-6.126	-8.485	-0.471
288	-9.858	-6.939	-7.583	-0.559
289	-9.902	-7.836	-6.657	-0.742
290	-9.747	-8.711	-6.342	-0.984
291	-9.236	-9.565	-7.417	-1.219
292	-8.184	-10.444	-8.411	-1.446
293	-6.649	-11.349	-9.358	-1.659
294	-5.721	-12.251	-9.074	-1.855
295	-5.71	-12.409	-8.735	-2.012
296	-5.699	-11.824	-8.298	-2.03
297	-5.688	-11.236	-7.914	-2.025
298	-5.872	-10.434	-7.541	-2.004
299	-5.859	-9.137	-7.146	-2.273
300	-5.613	-7.841	-7.083	-2.604
301	-5.084	-6.675	-7.164	-2.917
302	-4.516	-6.249	-7.24	-3.076
303	-3.925	-5.144	-7.273	-3.079
304	-3.726	-3.611	-7.223	-3.062
305	-3.787	-3.166	-7.13	-3.068
306	-3.835	-3.02	-7.329	-3.156
307	-3.953	-2.863	-8.73	-3.241
308	-4.256	-2.772	-9.722	-3.32
309	-4.552	-2.696	-10.182	-3.365
310	-4.85	-2.561	-9.976	-3.352
311	-5.143	-2.473	-9.679	-3.238
312	-5.299	-2.594	-9.374	-3.589
313	-5.334	-2.579	-9.254	-3.967
314	-4.476	-2.369	-9.324	-4.318
315	-3.611	-1.823	-9.391	-4.572
316	-2.739	-1.253	-9.117	-4.79
317	-2.985	-0.66	-8.017	-5.006
318	-3.568	-1.117	-6.865	-5.12
319	-4.043	-1.692	-5.811	-5.029
320	-4.108	-2.265	-5.274	-4.83
321	-3.638	-2.714	-4.643	-4.596
322	-3.167	-3.078	-3.917	-4.544
323	-2.696	-3.443	-4.431	-4.403
324	-2.226	-4.121	-4.991	-4.16
325	-1.755	-5.898	-5.461	-4.797
326	-1.355	-7.476	-5.17	-5.432

327	-1.591	-8.837	-4.179	-6.067
328	-1.827	-9.246	-3.188	-5.953
329	-2.062	-9.348	-2.558	-5.645
330	-1.807	-8.938	-2.689	-5.328
331	-1.384	-8.455	-2.722	-5.413
332	-0.87	-7.773	-2.667	-5.74
333	-0.527	-6.87	-2.387	-6.032
334	-0.441	-6.814	-2.098	-6.327
335	-0.331	-7.172	-1.796	-6.712
336	-0.342	-7.528	-1.714	-7.032
337	-0.901	-8.048	-1.609	-7.281
338	-1.449	-8.818	-1.485	-7.088
339	-1.988	-9.342	-1.253	-6.828
340	-1.481	-9.342	-0.97	-6.546
341	-0.967	-8.239	-0.676	-6.982
342	-0.447	-7.129	-0.519	-7.888
343	-0.601	-6.011	-0.56	-8.768
344	-0.83	-5.411	-0.575	-9.009
345	-1.059	-4.811	-0.494	-8.63
346	-1.102	-4.209	-0.093	-8.25
347	-1.066	-4.783	0.316	-7.974
348	-1.028	-5.535	0.704	-7.863
349	-0.99	-6.174	0.866	-7.64
350	-0.936	-6.647	1.028	-7.309
351	-0.736	-7.019	1.191	-7.724
352	-0.528	-7.379	1.004	-7.922
353	-0.318	-7.644	0.802	-7.968
354	-0.4	-7.128	0.61	-9.584
355	-0.553	-6.585	0.424	-11.902
356	-0.69	-6.012	0.25	-14.219
357	-0.963	-6.185	0.114	-14.572
358	-1.302	-6.346	0.05	-13.56
359	-1.641	-6.432	-0.11	-12.454
360	-1.35	-7.147	-0.137	-12.951

Max Gain	0.786	1.098	1.191	0.596
30Dragee Max Gain	-0.331	-0.036	-2.452	-0.338