

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

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Report No.: FR592302-03

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

## For 1TX

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)	Elevation angle above 30° Max gain (dBl)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
	5180MHz	OFDM	Ch36	6Mbps	68	16.84	4.10	20.94	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	68	16.86	4.10	20.96	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	67	16.71	4.10	20.81	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	68	16.81	4.10	20.91	21	Complies
Non BF	5200MHz	VHT20	Ch40	MCS0-Nss1	68	16.73	4.10	20.83	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	68	16.88	4.10	20.98	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	68	16.84	4.10	20.94	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	67	16.82	4.10	20.92	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	65	16.81	4.10	20.91	21	Complies

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### For 2TX

Mode	Frequency	Modulation Ch	Channel	Data Rate	Conducted	(	Chain (dBm	)	Elevation angle above 30°	Elevation angle above 30°	EIRP Power	Test Result
Wiode	riequency	Wodulalion	Cridinie	Daia Kale	Pass Setting	1	2 Total	Max gain (dBi)	Max EIRP (dBm)	Limit (dBm)	iesi kesuii	
	5180MHz	OFDM	Ch36	6Mbps	55	13.78	13.89	16.85	4.10	20.95	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	55	13.72	13.81	16.78	4.10	20.88	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	55	13.92	13.72	16.83	4.10	20.93	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	55	13.59	13.64	16.63	4.10	20.73	21	Complies
Non BF	5200MHz	VHT20	Ch40	MCS0-Nss1	55	13.79	13.82	16.82	4.10	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	55	13.65	13.53	16.60	4.10	20.70	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	55	13.76	13.62	16.70	4.10	20.80	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	55	13.56	14.14	16.87	4.10	20.97	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	51	13.34	12.49	15.95	4.10	20.05	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	43	10.53	10.75	13.65	7.11	20.76	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	43	10.35	10.82	13.60	7.11	20.71	21	Complies
BF	5240MHz	VHT20	Ch48	MCS0-Nss1	43	10.77	10.57	13.68	7.11	20.79	21	Complies
DF	5190MHz	VHT40	Ch38	MCS0-Nss1	42	10.67	10.82	13.76	7.11	20.87	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	42	10.82	10.72	13.78	7.11	20.89	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	40	10.85	10.52	13.70	7.11	20.81	21	Complies

Note: BF: Beamforming

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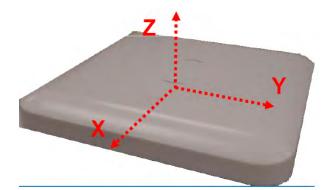
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### For 3TX

Mode	Frequency	Modulation   Channel   I	Data Rate	Conducted		Chain	(dBm)		Elevation angle above 30°	Elevation angle above 30°	EIRP Power	Test Result	
III.CGO	noquonoy	Woodalanon	Pass Setting 1 2 3	Total	Max gain (dBi)	Max EIRP (dBm)	Limit (dBm)	loor Rosali					
	5180MHz	OFDM	Ch36	6Mbps	50	12.36	11.94	11.64	16.76	4.10	20.86	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	50	12.27	12.14	11.85	16.86	4.10	20.96	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	50	12.54	12.08	11.58	16.86	4.10	20.96	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	50	12.15	12.13	11.72	16.78	4.10	20.88	21	Complies
Non BF	5200MHz	VHT20	Ch40	MCS0-Nss1	50	12.19	12.08	11.94	16.84	4.10	20.94	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	50	12.29	12.06	11.77	16.82	4.10	20.92	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	48	12.14	12.05	11.52	16.68	4.10	20.78	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	48	11.78	12.06	12.03	16.73	4.10	20.83	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	41	11.03	10.45	11.02	15.61	4.10	19.71	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	31	7.52	7.37	6.95	12.06	8.87	20.93	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	30	7.48	7.39	6.78	12.00	8.87	20.87	21	Complies
BF	5240MHz	VHT20	Ch48	MCS0-Nss1	30	7.38	7.19	6.53	11.82	8.87	20.69	21	Complies
DF	5190MHz	VHT40	Ch38	MCS0-Nss1	29	6.95	7.51	7.24	12.01	8.87	20.88	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	29	7.04	7.21	6.95	11.84	8.87	20.71	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	26	7.12	7.36	7.28	12.03	8.87	20.90	21	Complies

Note: BF: Beamforming

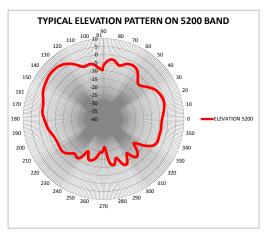
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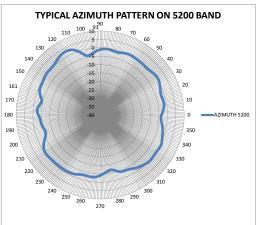


Azimuth: XY cut.

Elevation: YZ and XZ cut.

ANGLE LABLE	ANGLE IN DEG	EL ANGLE	EL (TYP)	AZ (TYP)
	00 0	89	-6.8165 -5.9518	-1.1523 -0.9524
	2	87	-5.1757 -4.4659	-0.7883 -0.6617
	5	86 85	-3.86 -3.3715	-0.5801 -0.5416
	6 7		-3.0072 -2.7746	-0.5412 -0.5783
	8	82 81	-2.6769 -2.7139	-0.6511 -0.7547
	80 10			-0.8791 -1.0105
	12	78 77	-3.6401 -4.1419	-1.1332 -1.2328
	14	76	-4.655	-1.2951
	15 16		-5,0863 -5,3368	-1.3097 -1.2715
	17	73 72	-5.3317 -5.0862	-1.181 -1.0461
	70 20	71	-4.6736 -4.1892	-0.8802
	21 22	69 68	-3.7046 -3.2699	-0.5202 -0.3592
	23	67	-2.9074	-0.2271 -0.1295
	25	65	-2.4207	-0.067
	26 27	63	-2.2679 -2.1662	-0.0375 -0.0386
	28 29	62	-2.111 -2.1037	-0.0655 -0.1115
	50 30 31	60 59	-2.1507 -2.2551	-0.1688 -0.2287
	32 33		-2.4261 -2.674	-0.2848 -0.333
	34	56	-3.0012	-0.371
	35 36	55 54	-3,4177 -3,9281	-0.3993 -0.4205
	37 38	53 52	-4.5268 -5.2109	-0.4385 -0.4593
	39 50 40	51	-5.961	-0.4871 -0.5236
	41	49	-7.5077 -8.2033	-0.5653 -0.6061
	43	47	-8.2033 -8.776 -9.1858	-0.6377 -0.6511
	45	45	-9.4067	-0.6384
	46 47	44		-0.5949 -0.519
	48	42	-9.0521 -8.6941	-0.4125 -0.2783
	40 50 51	40		-0.122 0.0486
	52	38	-7.2751	0.2192
	53 54	37 36		0.375
	55 56	35	-5.665 -5.1382	0.600
	57 58	33 32	-4.6328 -4.1585	0.6651
	59 30 60	31	-3.7191 -3.3193	0.5484
	61	29	-2.9631 -2.6459	0.2568
	63	27	-2.3671 -2.1236	-0.1747
	64	26 25	-1.907	-0.4249 -0.6839
	66	24 23	-1.7165 -1.549	-0.9398 -1.1798
	68	22 21	-1.4 -1.2733	-1.3912 -1.565
	20 70	20	-1.1685 -1.0869	-1.6964 -1.7799
	72	18	-1.0347	-1.81° -1.811
	74	16	-1.023	-1.771
	75 76		-1.1506	-1.710 -1.640
	77 78		-1.4042	-1.574: -1.524:
	79 10 80			-1.497 -1.50
	81 82	9	-1.9373	-1.5458 -1.629
	83 84	7	-2,3433	-1.758° -1.9339
	85	5	-2.7384	-2.151
	86 87	3	-3.1014	-2.405 -2.680
	88 89	2	-3.4212	-2.9626 -3.233
	0 90		-3.5564	-3.472 -3.657
	92	358 357		-3.769 -3.793
	94 95	356 355	-3.8517	-3.730: -3.591
	96	354		-3.394
	97 98		-3.7936	-3.156 -2.898
3	99 50 100			-2.638 -2.392
	101 102	349 348		-2.1689 -1.972
	103 104	347	-3.7996	-1.80 -1.64
	105	345	-3.844	-1.502
	106 107	344 343	-3.8505 -3.8342	-1.358 -1.206
	108 109		-3.7985 -3.7496	-1.041 -0.860
3	10 110			-0.66 -0.457
	112	338 338 337	-3.6288	-0.251
	113 114 115	336 336 335	-3.6494 -3.7366 -3.904	-0.058 0.1113
				0.2458



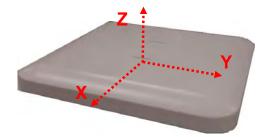


		222		0.005
	118 119	332 331	-5.0468 -5.6823	0.3851
330	120 121	330 329	-6.449 -7.3486	0.2792
	122 123	328 327	-8.4092 -9.6475	0.1066
	124	326	-11.028	-0.0125
	125	325	-12.4994	-0.0253
	126	324	-13.9405	-0.0046
	127	323	-15.1692	0.0436
	128 129	322 321	-15.8948	0.1067
320	130	320	-15.9039 -15.1878	0.1703
	131 132	319 318	-14.0371 -12.79	0.2474
	133 134	317 316	-11.6692 -10.7329	0.2048
	135	315	-9.9596	0.0159
	136	314	-9.3598	-0.1247
	137	313	-8.9525	-0.2846
	138	312	-8.7639	-0.4532
310	139 140	311 310	-8.7844 -9.0194	
310	141	309	-9.4757	-0.968
	142	308	-10.2754	-1.1422
	143	307	-11.432	-1.3235
	144	306	-12.7674	-1.5173
	145	305	-13.8276	-1.7307
	146	304	-14.1911	-1.9655
	147	303	-13.7423	-2.2202
	148	302	-12.7308	-2.49
	149	301	-11.504	-2.7617
300	150	300	-10.3303	-3.0205
	151	299	-9.3729	-3.2506
	152	298	-8.716	-3.4365
	153	297	-8.3742	-3,5732
	154	296	-8.3136	-3,6628
	155	295	-8.485	-3.7141
	156	294	-8.942	-3.7497
	157	293	-9.7107	-3.7928
	158	292	-10.7666	-3.8645
290	159	291	-12.0006	-3,9813
	160	290	-13.2372	-4,1512
290	161	289	-14.2058	-4.3792
	162	288	-14.6166	-4.6685
	163	287	-14.2679	-5.0089
	164 165	286 285	-13,3358 -12,2192	-5.7705
	166	284	-11.3292	-6.1331
	167	283	-10.8076	-6.4342
	168	282	-10.6531	-6.639
	169	281	-10.7876	-6.7221
280	170	280	-11.1763	-6.6853
	171	279	-11.7944	-6.5427
	172	278	-12.6848	-6.3185
	173	277	-14.0854	-6.0423
	174	276	-16.1056	-5.7394
	175	275	-18.5244	-5.4291
	176	274	-20.7305	-5.1248
	177	273	-22.1327	-4.8282
	178	272	-22.52	-4.5403
270	179	271	-22.0782	-4.2622
	180	270	-21.158	-3.9912
	181	269	-20.1668	-3.7315
	182	268	-19.4377	-3.4887
	183	267	-19.1487	-3.2671
	184	266	-19.1693	-3.0752
	185	265	-19.2284	-2.9184
	186	264	-19.0404	-2.7993
	187	263	-18.5602	-2.7249
	188 189	262 261	-17.8203 -16.9382	-2.7047
260	190 191	260 259	-16.0444 -15.2616	
	192	258	-14.6482	-2.8937
	193	257	-14.1947	-2.9638
	194	256	-13.8214	-3.0103
	195	255	-13.5037	-3.0179
	196 197	254 253	-13.2416 -13.0622	
	198 198	252 252 251	-12.9661	-2.8742 -2.724 -2.538
250	200	250	-12.9824 -13.1586	-2.3321
	201 202	249 248	-13.7044 -14.7031	-1.9209
	203 204	247 246	-16.0176 -17.1986	-1.5797
	205	245	-17.7918	-1.4502
	206	244	-17.5882	-1.348
	207	243	-16.7095	-1.270e
	208	242	-15.4092	-1.2117
240	209	241	-13.9904	-1.1673
	210	240	-12.7241	-1.1338
240	211	239	-11.8069	-1.1064
	212 213	238 237	-11.2711 -11.04	
	214 215	236 235	-10.9768 -11.0585	-1.0069
	216 217	234 233	-11.2529 -11.5201	-0.9672
	218	232	-11.7683	-0.9549
	219	231	-11.913	-0.9464
230	220	230	-11.8952	-0.941
	221	229	-11.7015	-0.9398
	222	228	-11.3293	-0.9408
	223	227	-10.8254	-0.9402
	224	226	-10.2588	-0.9323
	225	225	-9.6881	-0.9104
	226	224	-9.1609	-0.8726
	227 228	223 222	-8.7019 -8.3114	-0.7489
220	229	221	-8.0011	-0.6682
	230	220	-7.7672	-0.5812
220	231 232	219 218	-7.5998 -7.4962	
	233	217	-7.445	-0.3597
	234 235	216 215	-7.4385 -7.4754	-0.3425
	236	214	-7.5421	-0.4017

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	237	213	-7.6295	-0.5147
	238	212	-7.7285	-0.6861
210	239	211	-7.8188	-0.9144
	240	210	-7.8914	-1.2001
	241	209	-7.9383	-1.5414
	242	208	-7.9496	-1.9321
	243	207	-7.932	-2.3681
	244	206	-7.8909	-2.8405
	245	205	-7.8312	-3.3368
	246	204	-7.7646	-3.8449
	247	203	-7.6933	-4.3461
	248	202	-7.6146	-4.8185
200	249	201	-7.5258	-5.2406
	250	200	-7.4147	-5.5886
	251	199	-7.2735	-5.8441
	252	198	-7.1004	-5.9962
	253	197	-6.891	-6.0412
	254	196	-6.6508	-5.9869
	255	195	-6.3886	-5.851
	256	194	-6.1113	-5.6568
	257	193	-5.8343	-5.4351
	258	192	-5,5687	-5.2145
	259	191	-5,3199	-5.0165
190	260	190	-5.0937	-4.8527
	261	189	-4.887	-4.7225
	262	188	-4.6946	-4.6182
	263	187	-4.5159	-4.5314
	264	186	-4.343	-4.4456
	265	185	-4.1688	-4.3415
	266	184	-3.9878	-4.2015
	267	183	-3.7907	-4.01
	268	182	-3.5764	-3.7713
	269	181	-3.3469	-3.5019
180	270	180	-3.1042	-3.2211
	271	179	-2.8593	-2.9543
	272	178	-2.6227	-2.725
	273	177	-2.4023	-2.5524
	274	176	-2.2063	-2.4562
	275	175	-2.038	-2.4478
	276	174	-1.899	-2.5321
	277	173	-1.7937	-2.7099
	278	172	-1.7208	-2.9663
	279	171	-1.6752	-3.2767
170	280	170	-1.6477	-3.6071
	281	169	-1.6247	-3.9116
	282	168	-1.5932	-4.133
	283	167	-1.5406	-4.2185
	284	166	-1.4549	-4.1327
	285	165	-1.3274	-3.8862
	286	164	-1.1531	-3.5162
	287	163	-0.9318	-3.0754
	288	162	-0.6681	-2.6146
161	289	161	-0.3716	-2.1775
	290	160	-0.0552	-1.7936
	291	159	0.2655	-1.4761
	292	158	0.5752	-1.2237
	293	157	0.8615	-1.0304
	294	156	1.1174	-0.8922
	295	155	1.3396	-0.8005
	296	154	1.5289	-0.7416
	297	153	1.6896	-0.6984
	298	152	1.8281	-0.6533
150	299	151	1.9543	-0.5963
	300	150	2.0783	-0.5208
	301 302	149 148	2.2074	-0.4236 -0.3068
	303	147	2.3469 2.4974	-0.1758
	304	146	2.6549	-0.0391
	305	145	2.8132	0.0888
	306	144	2.9635	0.1955
	307	143	3.0972	0.2727
	308	142	3.2086	0.3187
140	309	141	3.2935	0.3365
	310	140	3.3514	0.3305
	311 312	139 138	3.3848 3.3968	0.3073
	313 314	137 136	3.3913 3.3713	0.2509
	315	135	3.3377	0.285
	316	134	3.2914	0.3645
	317	133	3.2308	0.4895
	318	132	3.152	0.6556
	319	131	3.0478	0.8577
130	320	130	2.9115	1.0865
	321	129	2.7371	1.331
	322	128	2.5203	1.5802
	323	127	2.261	1.8236
	324	126	1.9615	2.0544
	325	125	1.625	2.2696
	326	124	1.2572	2.4669
	327	123	0.8629	2.6435
	328 329	122 121	0.4444	2.7954 2.9185
120	330 331	120 119	-0.4707 -0.9757	3.006
	332	118	-1.5183	3.0496
	333	117	-2.1039	2.9945
	334	116	-2.7261	2.882
	335 336	115 114	-3,363 -3,9771	2.707
	337	113	-4.5233	2.1359
	338	112	-4.9567	1.7292
110	339	111	-5.2453	1.2421
110	340 341	110 109	-5.3739 -5.3657	0.6799
	342	108	-5.2685	-0.6437
	343	107	-5.1357	-1.3715
	344	106	-5.0114	-2.098
	345	105	-4.9286	-2.7757
	346	104	-4.9085	-3.354
	347	103	-4.9671	-3.7783
	348	102	-5.1101	-4.0133
100	349	101	-5.3442	-4.0527
	350	100	-5.7049	-3.9272
100	351	99	-6.1984	-3.6868
	352 353	97	-6.7827 -7.3695	-3,382 -3,0494
i e	354	96	-7.8721	-2.7133
	355	95	-8.2691	-2.3869

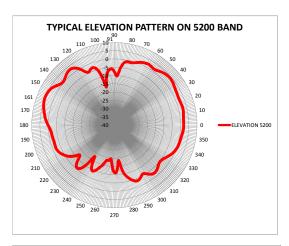
	356	94	-8.6008	-2.0696
	357	93	-8.9065	-1.7607
	358	92	-9.2959	-1.4217
91	359	91	-9.4748	-1.284

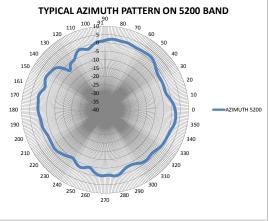
MAX GAIN FROM 30 TO 90			
DEG		-2.1	
MAX GAIN FROM 90 TO			
150 DEG		3.4	
MAX EL FROM 30 TO 150		3.4	



Azimuth: XY cut. Elevation: XZ , YZ cut.

ANGLE LABLE 90	ANGLE IN DEG	EL ANGLE	EL	AZ
90	1	90 89	-7.533897025 -8.688497063	1.432167605 1.62070772
	2	88 87	-9.861539674 -10.27380065	1.823803983 2.014404041
	4	86	-9.255314073	2.178301363
	6	85 84	-7.368482966 -5.455656279	2.300747612 2.372884982
	7 8	83 82	-3.857959441 -2.631729545	2.392968558 2.362066417
0	9	81	-1.755629068	2.295194134
0	10 11	80 79	-1.183687885 -0.869137812	2.210164637 2.124100954
	12 13	78 77	-0.75253616 -0.765585124	2.057393483 2.024456974
	14	76	-0.829573858	2.029209411
	15 16	75 74	-0.862485294 -0.80035415	2.063696483 2.115294669
	17 18	73 72	-0.621581029 -0.346873347	2.159315225 2.177616223
0	19	71	-0.019079669	2.157195747
0	20 21	70 69	0.31625316 0.633417011	2.091390128 1.983950899
	22 23	68 67	0.923043277 1.185894238	1.846080423 1.698119627
	24	66	1.431450237	1.562081993
	25 26	65 64	1.666381845 1.868771613	1.457435677 1.395624962
	27 28	63	2.039744533 2.158452324	1.377891786 1.393228014
0	29	61	2.203810845	1.426970617 1.464397697
)	30 31	60 59	2.177652259 2.079522828	1.496286532
	32 33	58 57	1.925842629 1.752297532	1.521648373 1.54385594
	34	56	1.602157831	1.573963012
	35 36	55 54	1.524876001 1.55054025	1.611564523 1.672665467
	37 38	53 52	1.688190252 1.919989668	1.74169711 1.804511545
	39	51	2.204482507	1.859054674
0	40 41	50 49	2.509815357 2.803267185	1.877667833 1.849415238
	42 43	48 47	3.069587151	1.767630271
	44	46	3.308887444 3.508804493	1.622504332 1.414531537
	45 46	45 44	3.683700183 3.833981963	1.159441179 0.860139732
	47	43 42	3.95483546	0.527122673
	48 49	42	4.045328139 4.100188162	0.180352985 -0.171285617
0	50 51	40 39	4.118015582 4.081310459	-0.515541797 -0.846414643
	52	38	4.001849903	-1.156299772
	53 54	37 36	3.879291431 3.7192169	-1.437545578 -1.684324595
	55 56	35 34	3.538121859 3.34593278	-1.890483795 -2.048098901
	57	33	3.16111571	-2.157691375
	58 59	32 31	2.997936508 2.853396662	-2.217290022 -2.23463022
0	60	30 29	2.732356092 2.628027278	-2.220347761 -2.186004906
	62	28	2.535380765	-2.143510988
	63 64	27 26	2.449318308 2.360263376	-2.104118234 -2.0775423
	65 66	25 24	2.274827231 2.202476599	-2.067274626 -2.079458107
	67	23	2.148891235	-2.114429325
	68 69	22	2.125553201 2.138938923	-2.168500895 -2.235593764
0	70 71	20 19	2.188574102	-2.306186043
	72	18	2.266531874 2.361519017	-2.365830212 -2.39664814
	73 74	17 16	2.460369588 2.551229365	-2.384704148 -2.315045365
	75	15	2.616120059	-2.179076072
	76 77	14 13	2.644709666 2.63533341	-1.977892731 -1.716180414
	78 79	12 11	2.599825952 2.526390026	-1.408630458 -1.068605956
0	80	10	2.430104129	-0.711957201
	81 82	8	2.327306819 2.215989193	-0.352374927 -0.00211782
	83 84	7	2.121253177 2.04226552	0.330769294 0.636802774
	85	5	1.984946833	0.924928268
	86 87	3	1.955150216 1.938505704	1.1766358 1.398016441
	88 89	2	1.934808238 1.944452672	1.602794017 1.783533823
	90	0	1.941293371	1.941293371
	91 92	359 358	1.927089566 1.896885808	2.084239853 2.213822685
	93 94	357	1.845705253	2.324566698
	95	356 355	1.774633967 1.684665323	2.42383715 2.499441873
	96 97	354 353	1.576082673 1.464120094	2.552090543 2.582536611
	98	352	1.343038353	2.579188725
50	99 100	351 350	1.230033382 1.129137147	2.549856858 2.483713687
	101 102	349 348	1.039294929 0.967018527	2.382864073 2.250208894
	103	347	0.905457406	2.094816905
	104 105	346 345	0.85327572 0.805079512	1.920377427 1.73689528
	106	344	0.753376797	1.548280533
	107 108	343 342	0.690832829 0.612743194	1.364704334 1.193709225
40	109 110	341 340	0.511810986 0.386424743	1.041639402 0.911474559
	111	339	0.23233128	0.803867003
	112 113	338 337	0.049250896 -0.163515482	0.717634582 0.649385247
	114	336	-0.4050707	0.595874425





	116	334	-0.970586322	0.520652475
	117	333	-1.292338136	0.490727001
	118	332	-1.636089964	0.458799623
	119	331	-1.999704687	0.420791725
330	120	330	-2.375776556	0.376613395
	121	329	-2.759123682	0.302008709
	122	328	-3.141771281	0.209468455
	123	327	-3.510785172	0.085760763
	124	326	-3.853008046	-0.069172836
	125	325	-4.153563195	-0.253241906
	126	324	-4.394558828	-0.460794039
	127	323	-4.562657159	-0.683574014
	128	322	-4.64179807	-0.907734834
	129	321	-4.628917595	-1.12116099
320	130	320	-4.523556197	-1.308081298
	131	319	-4.335302861	-1.456500243
	132	318	-4.081689925	-1.556589733
	133	317	-3.780217047	-1.602469504
	134	316	-3.453878063	-1.594691972
	135	315	-3.126160562	-1.537999151
	136	314	-2.820216522	-1.44181408
	137	313	-2.556537734	-1.321745818
	138	312	-2.35628766	-1.193480988
310	139	311	-2.238954891	-1.076401235
	140	310	-2.217596706	-0.986111565
	141	309	-2.305499153	-0.937660163
	142	308	-2.5106971	-0.942209522
	143	307	-2.837548467	-1.006611748
	144	306	-3.277127663	-1.13268646
	145	305	-3.815128345	-1.317425325
	146	304	-4.40933346	-1.55296194
	147	303	-4.998761674	-1.827999954
	148	302	-5.488616332	-2.124449814
300	149	301	-5.780531125	-2.423659816
	150	300	-5.812180932	-2.706614466
	151	299	-5.591843329	-2.952758186
	152	298	-5.199941423	-3.150354498
	153	297	-4.736591561	-3.294561241
	154	296	-4.289528871	-3.384384168
	155	295	-3.921333564	-3.428141174
	156	294	-3.66778148	-3.435235322
	157	293	-3.552075481	-3.407393908
	158	292	-3.581653442	-3,348023525
	159	291	-3.758575194	-3.244186408
290	160	290	-4.073553335	-3.084293133
	161	289	-4.512024892	-2.852445804
	162	288	-5.04930427	-2.541143897
	163	287	-5.65229485	-2.159467417
	164	286	-6.293550148	-1.727752198
	165	285	-6.956322428	-1.279598128
	166	284	-7.652625379	-0.852420967
	167	283	-8.427359584	-0.478073797
	168	282	-9.362333012	-0.182244621
200	169	281	-10.56450066	0.016294177
280	170	280	-12.1568786	0.112979153
	171	279	-14.24916599	0.107446835
	172	278	-16.73188515	0.01288689
	173	277	-18.44854271	-0.149357896
	174	276	-17.55125698	-0.347026753
	175	275	-15.30152079	-0.541922363
	176	274	-13.34938596	-0.695505827
	177	273	-12.01408383	-0.779223499
	178	272	-11.26423224	-0.78555994
270	179	271	-11.04728824	-0.726883734
	180	270	-11.32693849	-0.631577575
	181	269	-12.0837302	-0.532443787
	182	268	-13.32200282	-0.459412838
	183	267	-15.01563257	-0.434418642
	184	266	-17.0000206	-0.471833834
	185	265	-18.78782901	-0.580016185
	186	264	-19.5802888	-0.760228967
	187	263	-19.30350308	-1.013775204
	188	262	-18.71835808	-1.339751176
	189	261	-18.3497087	-1.733280726
260	190	260	-18.28722821	-2.185018998
	191	259	-18.37953764	-2.677289112
	192	258	-18.31351507	-3.175465757
	193	257	-17.8556062	-3.631303868
	194	256	-17.02698063	-3.977693271
	195	255	-16.05524972	-4.15955267
	196	254	-15.13517957	-4.150710947
	197	253	-14.34189147	-3.971935272
	198	252	-13.6433135	-3.682340975
	199	251	-12.96910085	-3.354939178
250	200	250	-12.25627608	-3.047781811
	201	249	-11.50140447	-2.803251761
	202	248	-10.74959536	-2.644620495
	203	247	-10.08538756	-2.580685225
	204	246	-9.589471861	-2.610907844
	205	245	-9.329123441	-2.731694502
	206	244	-9.364704923	-2.932225724
	207	243	-9.749622739	-3.202477367
	208	242	-10.54485179	-3.528329103
240	209	241	-11.83821149	-3.89309299
	210	240	-13.70544979	-4.273565436
<i>≥</i> 10	211	239	-16.04848435	-4.637021364
	212	238	-17.6756302	-4.942924381
	213	237	-16.44522711	-5.149073071
	214	236	-13.6976426	-5.224743349
	215	235	-11.20452402	-5.164997298
	216 217	234 233	-9.275455133	-4.989738237
	218	232	-7.839646853 -6.808565948	-4.741935666 -4.466897335
230	219	231	-6.120010232	-4.196595493
	220	230	-5.735850708	-3.952527425
	221	229	-5.633104507	-3.737270499
	222	228	-5.800475282	-3.541689155
	223	227	-6.238598224	-3.351663733
	224	226	-6.950315243	-3.1528507
	225	225	-7.935164845	-2.937846594
	226	224	-9.16911061	-2.711989376
	227	223	-10.54477095	-2.484472458
	228	222	-11.77470126	-2.274894676
i .	229	221	-12.36501451	-2.100143279
220	230	220	-12.01878543	-1.974369974
	231	219	-11.01737755	-1.904330973

	233	217	-8.72440655	-1.92330089
	234	216	-7.777283555	-1.991820493
	235	215	-6.985909013	-2.079529057
	236	214	-6.31806467	-2.170713768
	237	213	-5.738741363	-2.253909371
	238	212	-5.218070376	-2.320331321
	239	211	-4.732874901	-2.37198816
210	240	210	-4.275720362	-2.412555305
	241	209	-3.845435052	-2.446257349
	242	208	-3.445935287	-2.475581569
	243	207	-3.086940153	-2.497689728
	244	206	-2.775498196	-2.506365766
	245	205	-2.520002417	-2.489460985
	246	204	-2.321771543	-2.438927096
	247	203	-2.182784586	-2.34464202
	248	202	-2.099897955	-2.210730964
200	249	201	-2.063216386	-2.044009221
200	250	200	-2.065433054	-1.859716387
	251	199	-2.091203862	-1.675820641
	252	198	-2.12506774	-1.510438005
	253	197	-2.153442073	-1.374929461
	254	196	-2.166190742	-1.278239696
	255	195	-2.155462582	-1.219758601
	256 257	194 193	-2.120997163	-1.19612654
	258	192	-2.067872839 -2.003990753	-1.193965837 -1.199683745
190	259	191	-1.934588077	-1.195090936
	260	190	-1.863721064	-1.165512818
	261	189	-1.793797354	-1.099476908
	262	188	-1.717849722	-0.994639499
	263	187	-1.625517507	-0.853260837
	264	186	-1.506342221	-0.687612131
	265	185	-1.347063757	-0.510235504
	266	184	-1.141413072	-0.336565065
	267	183	-0.885635737	-0.179179805
	268	182	-0.582776159	-0.048692005
	269	181	-0.246885135	0.048705776
180	270	180	0.110457661	0.110457661
	271	179	0.47386598	0.139690496
	272	178	0.829488968	0.144623755
	273	177	1.168980706	0.136042447
	274	176	1.485882802	0.128961878
	275	175	1.779917696	0.137845089
	276	174	2.051324266	0.173772226
	277	173	2.306335043	0.239942052
	278	172	2.551155282	0.329759199
	279	171	2.793405851	0.426234633
170	280	170	3.034693367	0.50734646
	281	169	3.287686105	0.547182146
	282	168	3.540437454	0.523437302
	283	167	3.791580537	0.417594065
	284	166	4.04366462	0.220413826
	285	165	4.277277814	-0.067395562
	286	164	4.489701899	-0.429404981
	287	163	4.673527068	-0.832525886
	288	162	4.827372035	-1.221961303
161	289	161	4.945231025	-1.525997665
	290	160	5.026806494	-1.679558641
	291	159	5.080673526	-1.645937887
	292	158	5.100520865	-1.439995041
	293	157	5.093428271	-1.117800063
	294	156	5.05925269	-0.751000648
	295	155	5.001183935	-0.398938404
	296	154	4.910173191	-0.104492651
	297	153	4.788669318	0.109048543
	298 299	152	4.624599643	0.234050986
150	300	151 150	4.414077285 4.148087386	0.272900095 0.234537321
	301	149	3.822448293	0.136849618
	302	148	3.43867363	-0.000463287
	303	147	2.993952874	-0.15449678
	304	146	2.512795125	-0.305599456
	305	145 144	2.013289347	-0.443378849
	306 307	143	1.52486952 1.099384606	-0.566442963 -0.687061077
	308	142	0.773933371	-0.832972394
	309	141	0.580523477	-1.034072766
140	310	140	0.531764062	-1.330358192
	311	139	0.613563894	-1.756611601
	312 313	138 137	0.798424227 1.05356311	-2.349263741
	314	136	1.349930594	-3.136398664 -4.137046306
	315	135	1.664148872	-5.341686551
	316	134	1.97919607	-6.664291052
	317	133	2.279436276	-7.87725344
	318	132	2.544706512	-8.59116941
130	319 320	131 130	2.765197085	-8.530878774
A-V	321	129	2.924974206 2.994867755	-7.877580189 -7.040359835
	322	128	2.973601938	-6.298677213
	323	127	2.834256295	-5.759454365
	324	126	2.5753225	-5.438534777
	325	125	2.180864899	-5.292976277
	326	124	1.645269629	-5.243638836
	327	123	0.965232493	-5.187059434
	328	122	0.146228211	-5.015126755
120	329	121	-0.793029594	-4.656319265
	330	120	-1.809795796	-4.120686332
	331	119	-2.818090064	-3.473839793
	332	118	-3.679114866	-2.810936592
	333	117	-4.230897857	-2.204298393
	334	116	-4.378078559	-1.703662219
	335	115	-4.171529854	-1.335664269
	336	114	-3.771964417	-1.108585677
	337	113	-3.346872663	-1.021568432
	338	112	-3.019148472	-1.066274969
	339	111	-2.868892106	-1.226247902
110	340	110	-2.944604343	-1.477919525
	341	109	-3.288716642	-1.783564975
	342	108	-3.941820781	-2.092304104
	343	107	-4.959176752	-2.337576172
	344	106	-6.414909844	-2.453475524
	345 346	105	-8.424005381	-2.393070339
	346	104	-11.12280931	-2.149703591
	347	103	-14.43219874	-1.76333842
	348	102	-16.53169029	-1.295573941

100	350	100	-12.11644384	-0.358448071
	351	99	-9.997271885	0.031892115
	352	98	-8.488019707	0.344909163
	353	97	-7.42910137	0.580786246
	354	96	-6.698289291	0.748232301
	355	95	-6.22098424	0.864663444
	356	94	-5.964838394	0.95268305
	357	93	-5.936020631	1.036652821
-	358	92	-6.160412515	1.13680431
91	359	91	-6.680258773	1.267958046

MAX GAIN ALL ANGLE	5.100520865
MAX GAIN FROM 30 TO 90 DEG	4.1
MAX GAIN FROM 90 TO 150 DEG	4.1
MAX EL FROM 30 TO 150	4.1