

SX3-2021A (integrated 1 foot pannel)

AZ [deg]	5.900 GHz	Real 5.900	6.100 GHz	Real 6.100	6.300 GHz	Real 6.300	6.500 GHz	Real 6.500	6.700 GHz	Real 6.700	6.900 GHz	Real 6.900	7.100 GHz	Real 7.100
0	20.31	20.31	21.55	21.55	21.61	21.61	21.38	21.38	21.15	21.15	21.42	21.42	20.81	20.81
1	20.13	20.13	21.31	21.31	21.41	21.41	21.24	21.24	21.05	21.05	21.4	21.4	20.78	20.78
2	19.76	19.76	20.89	20.89	21.02	21.02	20.87	20.87	20.71	20.71	21.12	21.12	20.51	20.51
3	19.17	19.17	20.3	20.3	20.44	20.44	20.26	20.26	20.14	20.14	20.58	20.58	19.99	19.99
4	18.38	18.38	19.51	19.51	19.66	19.66	19.4	19.4	19.32	19.32	19.79	19.79	19.22	19.22
5	17.35	17.35	18.54	18.54	18.65	18.65	18.26	18.26	18.23	18.23	18.71	18.71	18.17	18.17
6	16.09	16.09	17.33	17.33	17.4	17.4	16.78	16.78	16.83	16.83	17.32	17.32	16.81	16.81
7	14.59	14.59	15.85	15.85	15.85	15.85	14.89	14.89	15.03	15.03	15.54	15.54	15.09	15.09
8	12.82	12.82	14.01	14.01	13.91	13.91	12.45	12.45	12.68	12.68	13.29	13.29	12.88	12.88
9	10.79	10.79	11.68	11.68	11.46	11.46	9.22	9.22	9.51	9.51	10.4	10.4	10.05	10.05
10	8.55	8.55	8.61	8.61	8.3	8.3	4.88	4.88	4.83	4.83	6.7	6.7	6.36	6.36
11	6.49	6.49	4.27	4.27	4.14	4.14	0.19	0.19	-3.82	-3.82	2.53	2.53	2.35	2.35
12	5.37	5.37	-2.86	-2.86	-0.46	-0.46	1.02	1.02	-6.89	-6.89	1.12	1.12	1.69	1.69
13	5.71	5.71	-8.58	-8.58	-0.54	-0.54	4.19	4.19	1.34	1.34	3.13	3.13	4.09	4.09
14	6.84	6.84	-0.93	-0.93	2.41	2.41	6.18	6.18	4.61	4.61	4.91	4.91	5.99	5.99
15	8.01	8.01	2.74	2.74	4.49	4.49	7.14	7.14	6.06	6.06	5.73	5.73	6.93	6.93
16	8.57	8.57	4.6	4.6	5.62	5.62	7.34	7.34	6.45	6.45	5.72	5.72	7.04	7.04
17	8.85	8.85	5.52	5.52	6.07	6.07	6.9	6.9	6.05	6.05	4.97	4.97	6.39	6.39
18	8.88	8.88	5.82	5.82	5.99	5.99	5.86	5.86	4.91	4.91	3.45	3.45	5	5
19	8.72	8.72	5.64	5.64	5.46	5.46	4.17	4.17	2.93	2.93	1.02	1.02	2.73	2.73
20	8.38	8.38	5.01	5.01	4.48	4.48	1.64	1.64	-0.22	-0.22	-2.76	-2.76	-0.79	-0.79
21	7.91	7.91	3.88	3.88	2.99	2.99	-2.28	-2.28	-5.72	-5.72	-9.41	-9.41	-6.49	-6.49
22	7.28	7.28	2.1	2.1	0.81	0.81	-9.64	-9.64	-20	-23.48	-16.72	-16.72	-11.95	-11.95
23	6.5	6.5	-0.65	-0.65	-2.42	-2.42	-19.55	-19.55	-8.97	-8.97	-7.54	-7.54	-6.02	-6.02
24	5.55	5.55	-5.25	-5.25	-7.68	-7.68	-6.39	-6.39	-2.89	-2.89	-3.3	-3.3	-2.05	-2.05
25	4.39	4.39	-16.03	-16.03	-14.78	-14.78	-1.9	-1.9	0.01	0.01	-1.1	-1.1	0.06	0.06
26	4.2	4.2	-12.93	-12.93	-8.56	-8.56	0.46	0.46	1.53	1.53	-0.03	-0.03	1.1	1.1
27	3.77	3.77	-5.12	-5.12	-3.77	-3.77	1.73	1.73	2.2	2.2	0.22	0.22	1.3	1.3
28	3.12	3.12	-1.71	-1.71	-1.09	-1.09	2.24	2.24	2.2	2.2	-0.22	-0.22	0.78	0.78
29	2.31	2.31	0.12	0.12	0.49	0.49	2.11	2.11	1.63	1.63	-1.33	-1.33	-0.49	-0.49
30	1.5	1.5	1.04	1.04	1.35	1.35	1.38	1.38	0.56	0.56	-3.08	-3.08	-2.63	-2.63
31	0.12	0.12	1.37	1.37	1.7	1.7	0.02	0.02	-0.96	-0.96	-5.34	-5.34	-5.86	-5.86
32	-0.93	-0.93	1.24	1.24	1.61	1.61	-2.08	-2.08	-2.76	-2.76	-7.59	-7.59	-10.28	-10.28
33	-1.68	-1.68	0.74	0.74	1.11	1.11	-5.2	-5.2	-4.41	-4.41	-8.64	-8.64	-12.83	-12.83
34	-2.4	-2.4	-0.09	-0.09	0.2	0.2	-9.92	-9.92	-5.17	-5.17	-8.09	-8.09	-10.08	-10.08
35	-3.29	-3.29	-1.3	-1.3	-1.19	-1.19	-15.72	-15.72	-4.79	-4.79	-6.98	-6.98	-7.41	-7.41
36	-4.54	-4.54	-2.97	-2.97	-3.21	-3.21	-12.31	-12.31	-3.84	-3.84	-5.99	-5.99	-5.81	-5.81
37	-6.26	-6.26	-5.27	-5.27	-6.13	-6.13	-7.82	-7.82	-2.87	-2.87	-5.28	-5.28	-4.96	-4.96
38	-8.51	-8.51	-8.45	-8.45	-10.66	-10.66	-5.07	-5.07	-2.12	-2.12	-4.83	-4.83	-4.62	-4.62
39	-11.29	-11.29	-12.47	-12.47	-19.69	-19.69	-3.34	-3.34	-1.65	-1.65	-4.61	-4.61	-4.64	-4.64
40	-14.37	-14.37	-14.18	-14.18	-20	-23.51	-2.29	-2.29	-1.48	-1.48	-4.63	-4.63	-4.94	-4.94
41	-16.82	-16.82	-11.56	-11.56	-13.91	-13.91	-1.74	-1.74	-1.65	-1.65	-4.92	-4.92	-5.49	-5.49
42	-17.38	-17.38	-9.12	-9.12	-10.44	-10.44	-1.65	-1.65	-2.18	-2.18	-5.56	-5.56	-6.3	-6.3
43	-16.5	-16.5	-7.76	-7.76	-8.81	-8.81	-2.02	-2.02	-3.13	-3.13	-6.57	-6.57	-7.29	-7.29
44	-15.39	-15.39	-7.26	-7.26	-8.13	-8.13	-2.87	-2.87	-4.59	-4.59	-7.96	-7.96	-8.38	-8.38
45	-14.62	-14.62	-7.4	-7.4	-8.03	-8.03	-4.28	-4.28	-6.7	-6.7	-9.5	-9.5	-9.26	-9.26
46	-14.4	-14.4	-8	-8	-8.26	-8.26	-6.33	-6.33	-9.71	-9.71	-10.57	-10.57	-9.65	-9.65
47	-14.87	-14.87	-8.86	-8.86	-8.67	-8.67	-9.11	-9.11	-14.18	-14.18	-10.46	-10.46	-9.47	-9.47
48	-16.11	-16.11	-9.72	-9.72	-9.17	-9.17	-12.53	-12.53	-19.52	-19.52	-9.33	-9.33	-8.93	-8.93
49	-18.28	-18.28	-10.33	-10.33	-9.73	-9.73	-15.22	-15.22	-16.43	-16.43	-7.86	-7.86	-8.32	-8.32
50	-20	-21.52	-10.52	-10.52	-10.28	-10.28	-15.11	-15.11	-11.78	-11.78	-6.46	-6.46	-7.74	-7.74
51	-20	-25.89	-10.28	-10.28	-10.63	-10.63	-13.83	-13.83	-8.78	-8.78	-5.23	-5.23	-7.27	-7.27
52	-20	-29.62	-9.77	-9.77	-10.51	-10.51	-13.01	-13.01	-6.81	-6.81	-4.26	-4.26	-6.94	-6.94
53	-20	-29.04	-9.16	-9.16	-9.83	-9.83	-12.77	-12.77	-5.52	-5.52	-3.57	-3.57	-6.79	-6.79
54	-20	-27.19	-8.63	-8.63	-8.86	-8.86	-12.82	-12.82	-4.76	-4.76	-3.18	-3.18	-6.88	-6.88
55	-20	-25.87	-8.24	-8.24	-7.92	-7.92	-12.8	-12.8	-4.39	-4.39	-3.06	-3.06	-7.24	-7.24
56	-20	-25.04	-8.02	-8.02	-7.17	-7.17	-12.54	-12.54	-4.34	-4.34	-3.17	-3.17	-7.87	-7.87
57	-20	-24.58	-7.93	-7.93	-6.65	-6.65	-12.11	-12.11	-4.51	-4.51	-3.44	-3.44	-8.71	-8.71
58	-20	-24.38	-7.93	-7.93	-6.33	-6.33	-11.72	-11.72	-4.82	-4.82	-3.74	-3.74	-9.63	-9.63
59	-20	-24.26	-7.94	-7.94	-6.13	-6.13	-11.51	-11.51	-5.19	-5.19	-3.97	-3.97	-10.45	-10.45
60	-20	-23.94	-7.9	-7.9	-5.99	-5.99	-11.52	-11.52	-5.55	-5.55	-4.01	-4.01	-10.98	-10.98
61	-20	-23.3	-7.81	-7.81	-5.88	-5.88	-11.7	-11.7	-5.89	-5.89	-3.86	-3.86	-11.2	-11.2
62	-20	-22.37	-7.69	-7.69	-5.78	-5.78	-11.94	-11.94	-6.21	-6.21	-3.58	-3.58	-11.21	-11.21
63	-20	-21.24	-7.63	-7.63	-5.72	-5.72	-12.1	-12.1	-6.59	-6.59	-3.3	-3.3	-11.26	-11.26
64	-19.98	-19.98	-7.72	-7.72	-5.72	-5.72	-12.08	-12.08	-7.06	-7.06	-3.13	-3.13	-11.51	-11.51
65	-18.73	-18.73	-8.01	-8.01	-5.81	-5.81	-11.92	-11.92	-7.65	-7.65	-3.13	-3.13	-12.04	-12.04
66	-17.71	-17.71	-8.52	-8.52	-6.01	-6.01	-11.69	-11.69	-8.3	-8.3	-3.33	-3.33	-12.87	-12.87
67	-17.06	-17.06	-9.22	-9.22	-6.29	-6.29	-11.44	-11.44	-8.95	-8.95	-3.7	-3.7	-13.91	-13.91
68	-16.85	-16.85	-10.04	-10.04	-6.65	-6.65	-11.15	-11.15	-9.47	-9.47	-4.16	-4.16	-15.01	-15.01
69	-17.04	-17.04	-10.86	-10.86	-7.02	-7.02	-10.76	-10.76	-9.78	-9.78	-4.62	-4.62	-15.98	-15.98
70	-17.49	-17.49	-11.56	-11.56	-7.38	-7.38	-10.24	-10.24	-9.86	-9.86	-4.96	-4.96	-16.66	-16.66
71	-17.93	-17.93	-12.06	-12.06	-7.71	-7.71	-9.6	-9.6	-9.74	-9.74	-5.09	-5.09	-17.08	-17.08
72	-18.03	-18.03	-12.38	-12.38	-7.99	-7.99	-8.92	-8.92	-9.52	-9.52	-5.06	-5.06	-17.34	-17.34
73	-17.75	-17.75	-12.62	-12.62	-8.26	-8.26	-8.27	-8.27	-9.3	-9.3	-4.97	-4.97	-17.58	-17.58
74	-17.29	-17.29	-12.92	-12.92	-8.54	-8.54	-7.73	-7.73	-9.17	-9.17	-4.93	-4.93	-17.93	-17.93
75	-16.93	-16.93	-13.35	-13.35	-8.84	-8.84	-7.33	-7.33	-9.22	-9.22	-5.04	-5.04	-18.5	-18.5
76	-16.85	-16.85	-13.98	-13.98	-9.19	-9.19	-7.06	-7.06	-9.45	-9.45	-5.34	-5.34	-19.44	-19.44
77	-17.13	-17.13	-14.79	-14.79	-9.56	-9.56	-6.92	-6.92	-9.83	-9.83	-5.8	-5.8	-20	-20.89
78	-17.8	-17.8	-15.71	-15.71	-9.95	-9.95	-6.83	-6.83	-10.25	-10.25	-6.38	-6.38	-20	-23.02
79	-18.81	-18.81	-16.62	-16.62	-10.29	-10.29	-6.76	-6.76	-10.58	-10.58	-6.99	-6.99	-20	-25.81
80	-19.99	-19.99	-17.37	-17.37	-10.54	-10.54	-6.66	-6.66	-10.7	-10.7	-7.53	-7.53	-20	-28.33
81	-20	-20.9	-17.83	-17.83	-10.68	-10.68	-6.53	-6.53	-10.56	-10.56	-7.92	-7.92	-20	-28.3
82	-20	-21.03	-17.98	-17.98	-10.71	-10.71	-6.42	-6.42	-10.27	-10.27	-8.17	-8.17	-20	-26.85
83	-20	-20.43	-17.83	-17.83	-10.67	-10.67	-6.37	-6.37	-9.96	-9.96	-8.34	-8.34	-20	-25.99
84	-19.6	-19.6	-17.46	-17.46	-10.61	-10.61	-6.45	-6.45	-9.81	-9.81	-8.57	-8.57	-20	-26.06
85	-19	-19	-16.91	-16.91	-10.54	-10.54	-6.66	-6.66	-9.91	-9.91	-8.94	-8.94	-20	-26.68
86	-18.78	-18.78	-16.25	-16.25	-10.47	-10.47	-7.03	-7.03	-10.33	-10.33	-9			

152	-20	-25.57	-20	-25.07	-20	-36.97	-20	-22.63	-20	-20.82	-20	-20.03	-11.66	-11.66
153	-20	-26.01	-20	-24.41	-20	-34.6	-20	-17.74	-17.74	-18.8	-18.8	-17.06	-11.39	-11.39
154	-20	-24.96	-20	-24.34	-20	-26.66	-14.79	-14.79	-19.08	-19.08	-14.68	-14.68	-12.12	-12.12
155	-20	-24.22	-20	-24.89	-20	-22.87	-12.97	-12.97	-20	-21.82	-12.9	-12.9	-14.07	-14.07
156	-20	-23.89	-20	-26.59	-20	-20.97	-12.02	-12.02	-20	-29.06	-11.72	-11.72	-18.13	-18.13
157	-20	-22.71	-20	-30.95	-20	-20.45	-11.89	-11.89	-20	-27.05	-11.13	-11.13	-20	-28.4
158	-20	-20.18	-20	-35.49	-20	-21.37	-12.85	-12.85	-20	-20.3	-11.27	-11.27	-20	-25.51
159	-17.39	-17.39	-20	-25.19	-20	-24.27	-15.51	-15.51	-17.42	-17.42	-12.34	-12.34	-18.02	-18.02
160	-15.09	-15.09	-19.28	-19.28	-20	-29.72	-20	-22.45	-16.63	-16.63	-14.83	-14.83	-15.27	-15.27
161	-13.48	-13.48	-15.57	-15.57	-20	-25.94	-20	-27.51	-17.4	-17.4	-20	-20.25	-14.69	-14.69
162	-12.53	-12.53	-13.13	-13.13	-20	-20	-15.77	-15.77	-18.99	-18.99	-20	-34.81	-15.8	-15.8
163	-12.27	-12.27	-11.66	-11.66	-16.51	-16.51	-11.4	-11.4	-18.88	-18.88	-19.86	-19.86	-18.45	-18.45
164	-12.72	-12.72	-11	-11	-14.51	-14.51	-9.35	-9.35	-16.17	-16.17	-14.82	-14.82	-19.52	-19.52
165	-14.03	-14.03	-11.12	-11.12	-13.55	-13.55	-8.86	-8.86	-13.56	-13.56	-12.68	-12.68	-15.94	-15.94
166	-16.43	-16.43	-11.97	-11.97	-13.46	-13.46	-9.81	-9.81	-11.84	-11.84	-12.09	-12.09	-12.64	-12.64
167	-20	-20.22	-13.37	-13.37	-14.16	-14.16	-12.63	-12.63	-10.91	-10.91	-12.59	-12.59	-10.75	-10.75
168	-20	-23.83	-14.75	-14.75	-15.73	-15.73	-18.87	-18.87	-10.57	-10.57	-13.63	-13.63	-10.05	-10.05
169	-20	-21.9	-15.02	-15.02	-18.17	-18.17	-20	-21.81	-10.7	-10.7	-14.13	-14.13	-10.43	-10.43
170	-19.22	-19.22	-14.28	-14.28	-20	-21.54	-14.17	-14.17	-11.21	-11.21	-13.37	-13.37	-11.93	-11.93
171	-18.23	-18.23	-13.63	-13.63	-20	-24.88	-10.71	-10.71	-12.2	-12.2	-12.3	-12.3	-14.75	-14.75
172	-19.05	-19.05	-13.83	-13.83	-20	-25.88	-9.42	-9.42	-13.87	-13.87	-11.87	-11.87	-19.32	-19.32
173	-20	-22.17	-15.29	-15.29	-20	-25.44	-9.6	-9.6	-16.6	-16.6	-12.45	-12.45	-20	-24.79
174	-20	-29.98	-18.63	-18.63	-20	-25.85	-11.04	-11.04	-20	-20.76	-14.17	-14.17	-20	-24.09
175	-20	-26.53	-20	-24.2	-20	-27.66	-13.03	-13.03	-20	-23.05	-16.27	-16.27	-20	-22.44
176	-19.63	-19.63	-20	-21.41	-20	-30.01	-13.17	-13.17	-19.46	-19.46	-15.55	-15.55	-20	-23.61
177	-16.26	-16.26	-16.24	-16.24	-20	-29.27	-10.94	-10.94	-16.49	-16.49	-12.48	-12.48	-20	-29.24
178	-14.59	-14.59	-13.43	-13.43	-20	-26.44	-8.86	-8.86	-15.07	-15.07	-9.98	-9.98	-20	-39.13
179	-13.99	-13.99	-12.08	-12.08	-20	-24.43	-7.72	-7.72	-14.83	-14.83	-8.5	-8.5	-20	-25.16
180	-14.53	-14.53	-11.81	-11.81	-20	-22.37	-7.79	-7.79	-16.25	-16.25	-7.96	-7.96	-20	-20.22
-179	-14.53	-14.53	-11.75	-11.75	-20	-22.31	-7.79	-7.79	-16.25	-16.25	-7.96	-7.96	-20	-20.22
-178	-16.08	-16.08	-12.96	-12.96	-20	-21.8	-9.64	-9.64	-19.04	-19.04	-9	-9	-19.66	-19.66
-177	-17.22	-17.22	-14.36	-14.36	-20	-21.99	-12.1	-12.1	-20	-21.11	-10.69	-10.69	-20	-20.8
-176	-17.59	-17.59	-15.66	-15.66	-20	-22.09	-15.45	-15.45	-20	-22.1	-13.05	-13.05	-20	-21.46
-175	-16.66	-16.66	-16.2	-16.2	-20	-21.59	-19.05	-19.05	-20	-21.09	-15.66	-15.66	-20	-20.63
-174	-14.84	-14.84	-15.73	-15.73	-20	-20.26	-20	-20.52	-18.57	-18.57	-17.59	-17.59	-19.7	-19.7
-173	-12.88	-12.88	-14.54	-14.54	-18.2	-18.2	-18.62	-18.62	-15.73	-15.73	-18.49	-18.49	-20	-20.02
-172	-11.16	-11.16	-12.95	-12.95	-15.83	-15.83	-15.47	-15.47	-13.17	-13.17	-19.25	-19.25	-20	-22.13
-171	-9.83	-9.83	-11.29	-11.29	-13.52	-13.52	-12.43	-12.43	-11.05	-11.05	-20	-20.15	-20	-23.6
-170	-8.91	-8.91	-9.75	-9.75	-11.52	-11.52	-9.96	-9.96	-9.37	-9.37	-19.61	-19.61	-18.97	-18.97
-169	-8.36	-8.36	-8.42	-8.42	-9.89	-9.89	-8.13	-8.13	-8.07	-8.07	-17.03	-17.03	-14.43	-14.43
-168	-8.12	-8.12	-7.38	-7.38	-8.62	-8.62	-6.93	-6.93	-7.1	-7.1	-14.39	-14.39	-11.47	-11.47
-167	-8.01	-8.01	-6.57	-6.57	-7.63	-7.63	-6.26	-6.26	-6.45	-6.45	-12.6	-12.6	-9.67	-9.67
-166	-7.86	-7.86	-6.03	-6.03	-6.93	-6.93	-6.03	-6.03	-6.13	-6.13	-11.76	-11.76	-8.75	-8.75
-165	-7.51	-7.51	-5.75	-5.75	-6.46	-6.46	-6.17	-6.17	-6.13	-6.13	-11.88	-11.88	-8.52	-8.52
-164	-7.06	-7.06	-5.82	-5.82	-6.26	-6.26	-6.7	-6.7	-6.54	-6.54	-13.09	-13.09	-8.88	-8.88
-163	-6.75	-6.75	-6.33	-6.33	-6.41	-6.41	-7.67	-7.67	-7.4	-7.4	-15.59	-15.59	-9.66	-9.66
-162	-6.8	-6.8	-7.39	-7.39	-7.09	-7.09	-9.25	-9.25	-8.77	-8.77	-19.55	-19.55	-10.69	-10.69
-161	-7.45	-7.45	-9.2	-9.2	-8.59	-8.59	-11.77	-11.77	-10.77	-10.77	-20	-21.45	-11.82	-11.82
-160	-8.93	-8.93	-12.08	-12.08	-11.41	-11.41	-16.01	-16.01	-13.5	-13.5	-17.97	-17.97	-13	-13
-159	-11.65	-11.65	-16.79	-16.79	-17.33	-17.33	-20	-24.41	-16.55	-16.55	-15.05	-15.05	-14.35	-14.35
-158	-16.51	-16.51	-20	-23.85	-20	-33.38	-20	-24.41	-17.19	-17.19	-13.47	-13.47	-15.82	-15.82
-157	-20	-25.36	-20	-20.64	-15.31	-15.31	-17.45	-17.45	-14.66	-14.66	-12.86	-12.86	-16.58	-16.58
-156	-20	-20.17	-16.09	-16.09	-10.16	-10.16	-14.52	-14.52	-12.06	-12.06	-12.97	-12.97	-15.54	-15.54
-155	-15.3	-15.3	-13.93	-13.93	-7.55	-7.55	-13.38	-13.38	-10.26	-10.26	-13.68	-13.68	-13.52	-13.52
-154	-13.37	-13.37	-13.17	-13.17	-6.3	-6.3	-13.32	-13.32	-9.21	-9.21	-14.94	-14.94	-11.76	-11.76
-153	-13.05	-13.05	-13.4	-13.4	-5.99	-5.99	-13.97	-13.97	-8.84	-8.84	-16.75	-16.75	-10.64	-10.64
-152	-13.95	-13.95	-14.47	-14.47	-6.5	-6.5	-14.8	-14.8	-9.1	-9.1	-19	-19	-10.19	-10.19
-151	-15.96	-15.96	-16.39	-16.39	-7.73	-7.73	-15.05	-15.05	-10.04	-10.04	-20	-21.09	-10.4	-10.4
-150	-18.74	-18.74	-19.22	-19.22	-9.46	-9.46	-14.18	-14.18	-11.74	-11.74	-20	-21.89	-11.21	-11.21
-149	-20	-20.71	-20	-23.35	-11.32	-11.32	-12.76	-12.76	-14.46	-14.46	-20	-21.63	-12.57	-12.57
-148	-19.75	-19.75	-20	-29.48	-11.78	-11.78	-11.42	-11.42	-18.78	-18.78	-20	-21.45	-14.25	-14.25
-147	-17.72	-17.72	-20	-36.87	-10.96	-10.96	-10.48	-10.48	-20	-26.66	-20	-21.55	-15.83	-15.83
-146	-16.17	-16.17	-20	-33.41	-9.99	-9.99	-9.99	-9.99	-20	-28.82	-20	-21.13	-16.72	-16.72
-145	-15.28	-15.28	-20	-30.69	-9.39	-9.39	-9.94	-9.94	-20	-21.68	-19.6	-19.6	-16.83	-16.83
-144	-15.03	-15.03	-20	-30.29	-9.17	-9.17	-10.25	-10.25	-18.66	-18.66	-17.63	-17.63	-16.72	-16.72
-143	-15.36	-15.36	-20	-31.36	-9.13	-9.13	-10.78	-10.78	-17.57	-17.57	-15.94	-15.94	-16.86	-16.86
-142	-16.14	-16.14	-20	-32.83	-9.13	-9.13	-11.31	-11.31	-17.86	-17.86	-14.72	-14.72	-17.58	-17.58
-141	-16.93	-16.93	-20	-32.11	-9.02	-9.02	-11.64	-11.64	-19.47	-19.47	-13.92	-13.92	-19.07	-19.07
-140	-17.07	-17.07	-20	-29.05	-8.81	-8.81	-11.68	-11.68	-20	-22.52	-13.44	-13.44	-20	-21.62
-139	-16.42	-16.42	-20	-25.78	-8.64	-8.64	-11.54	-11.54	-20	-25.5	-13.21	-13.21	-20	-25.7
-138	-15.54	-15.54	-20	-22.81	-8.6	-8.6	-11.39	-11.39	-20	-23.61	-13.2	-13.2	-20	-30.1
-137	-14.97	-14.97	-20	-20.27	-8.79	-8.79	-11.32	-11.32	-20	-20.57	-13.42	-13.42	-20	-27.73
-136	-14.86	-14.86	-18.17	-18.17	-9.22	-9.22	-11.27	-11.27	-18.88	-18.88	-13.84	-13.84	-20	-24.19
-135	-15.18	-15.18	-16.58	-16.58	-9.87	-9.87	-11.11	-11.11	-18.43	-18.43	-14.45	-14.45	-20	-22.18
-134	-15.84	-15.84	-15.48	-15.48	-10.62	-10.62	-10.71	-10.71	-19.02	-19.02	-15.17	-15.17	-20	-21.25
-133	-16.65	-16.65	-14.8	-14.8	-11.3	-11.3	-10.13	-10.13	-20	-20.55	-15.84	-15.84	-20	-21.01
-132	-17.43	-17.43	-14.45	-14.45	-11.79	-11.79	-9.54	-9.54	-20	-22.95	-16.2	-16.2	-20	-21.18
-131	-17.99	-17.99	-14.28	-14.28	-12.07	-12.07	-9.12	-9.12	-20	-26.06	-16.01	-16.01	-20	-21.57
-130	-18.17	-18.17	-14.12	-14.12	-12.27	-12.27	-9	-9	-20	-29.16	-15.34	-15.34	-20	-22.14
-129	-17.93	-17.93	-13.94	-13.94	-12.61	-12.61	-9.23	-9.23	-20	-30.51	-14.57	-14.57	-20	-22.98
-128	-17.36	-17.36	-13.64	-13.64	-13.12	-13.12	-9.81	-9.81	-20	-29.64	-14.01	-14.01	-20	-24.23
-127	-16.72	-16.72	-13.27	-13.27	-13.83	-13.83	-10.69	-10.69	-20	-27.99	-13.81	-13.81	-20	-26.02
-126	-16.18	-16.18	-12.9	-12.9	-14.72	-14.72	-11.71	-11.71	-20	-26.34	-14.01	-14.01	-20	-27.87
-125	-15.89	-15.89	-12.59	-12.59	-15.7	-15.7	-12.63	-12.63	-20	-24.8	-14.57	-14.57	-20	-28.07
-124	-15.9	-15.9	-12.37	-12.37	-16.69	-16.69	-13.08	-13.08	-20	-23.39	-15.36	-15.36	-20	-26.36
-123	-16.23	-16.23	-12.27	-12.27	-17.54	-17.54	-12.91	-12.91	-20	-22.1	-16.22	-16.22	-20	-24.68
-122	-16.83	-16.83	-12.26	-12.26	-18.12									

-52	-9.19	-9.19	-8.56	-8.56	-7.09	-7.09	-18.35	-18.35	-4.74	-4.74	-5.18	-5.18	-16.03	-16.03
-51	-10.29	-10.29	-8.79	-8.79	-8.11	-8.11	-15.62	-15.62	-6.48	-6.48	-5.27	-5.27	-18.34	-18.34
-50	-11.37	-11.37	-9.85	-9.85	-9.2	-9.2	-12.69	-12.69	-9.13	-9.13	-5.36	-5.36	-20	-20.01
-49	-11.99	-11.99	-11.79	-11.79	-10.04	-10.04	-10.19	-10.19	-13.54	-13.54	-5.49	-5.49	-18.5	-18.5
-48	-11.87	-11.87	-14.38	-14.38	-9.84	-9.84	-8.1	-8.1	-20	-20.48	-5.66	-5.66	-14.43	-14.43
-47	-11.36	-11.36	-16.24	-16.24	-8.31	-8.31	-6.34	-6.34	-14.67	-14.67	-5.84	-5.84	-10.59	-10.59
-46	-10.88	-10.88	-15.55	-15.55	-6.3	-6.3	-4.89	-4.89	-8.96	-8.96	-5.93	-5.93	-7.57	-7.57
-45	-10.66	-10.66	-13.67	-13.67	-4.59	-4.59	-3.73	-3.73	-5.6	-5.6	-5.85	-5.85	-5.3	-5.3
-44	-10.71	-10.71	-11.76	-11.76	-3.48	-3.48	-2.87	-2.87	-3.5	-3.5	-5.56	-5.56	-3.65	-3.65
-43	-10.89	-10.89	-9.69	-9.69	-3.07	-3.07	-2.34	-2.34	-2.25	-2.25	-5.14	-5.14	-2.46	-2.46
-42	-11.08	-11.08	-7.36	-7.36	-3.45	-3.45	-2.16	-2.16	-1.65	-1.65	-4.72	-4.72	-1.66	-1.66
-41	-11.09	-11.09	-4.98	-4.98	-4.74	-4.74	-2.38	-2.38	-1.62	-1.62	-4.43	-4.43	-1.12	-1.12
-40	-10.8	-10.8	-2.79	-2.79	-7.13	-7.13	-3.09	-3.09	-2.13	-2.13	-4.36	-4.36	-0.84	-0.84
-39	-10.03	-10.03	-0.94	-0.94	-10.01	-10.01	-4.44	-4.44	-3.2	-3.2	-4.57	-4.57	-0.81	-0.81
-38	-8.71	-8.71	0.54	0.54	-9.11	-9.11	-6.8	-6.8	-4.97	-4.97	-5.14	-5.14	-1.08	-1.08
-37	-7.05	-7.05	1.67	1.67	-5.27	-5.27	-11.17	-11.17	-7.79	-7.79	-6.24	-6.24	-1.78	-1.78
-36	-5.36	-5.36	2.46	2.46	-2.14	-2.14	-20	-21.91	-12.62	-12.62	-8.21	-8.21	-3.05	-3.05
-35	-3.93	-3.93	2.96	2.96	0.04	0.04	-13.75	-13.75	-18.96	-18.96	-12.01	-12.01	-5.2	-5.2
-34	-2.87	-2.87	3.2	3.2	1.51	1.51	-6.7	-6.7	-11.84	-11.84	-20	-21.74	-8.89	-8.89
-33	-2.22	-2.22	3.2	3.2	2.44	2.44	-2.79	-2.79	-6.41	-6.41	-15.44	-15.44	-15.58	-15.58
-32	-1.89	-1.89	2.98	2.98	2.92	2.92	-0.24	-0.24	-3.01	-3.01	-7.58	-7.58	-14.23	-14.23
-31	-1.59	-1.59	2.54	2.54	2.98	2.98	1.47	1.47	-0.7	-0.7	-3.31	-3.31	-7.71	-7.71
-30	-0.93	-0.93	1.85	1.85	2.61	2.61	2.51	2.51	0.87	0.87	-0.55	-0.55	-4.04	-4.04
-29	0.36	0.36	0.81	0.81	1.76	1.76	2.98	2.98	1.87	1.87	1.27	1.27	-1.85	-1.85
-28	2.05	2.05	-0.74	-0.74	0.27	0.27	2.85	2.85	2.33	2.33	2.38	2.38	-0.57	-0.57
-27	3.75	3.75	-3.06	-3.06	-2.17	-2.17	2.06	2.06	2.26	2.26	2.9	2.9	0	0
-26	5.22	5.22	-6.35	-6.35	-6.33	-6.33	0.39	0.39	1.61	1.61	2.82	2.82	-0.03	-0.03
-25	6.33	6.33	-8.45	-8.45	-14.16	-14.16	-2.68	-2.68	0.21	0.21	2.09	2.09	-0.77	-0.77
-24	7.07	7.07	-5.33	-5.33	-11.14	-11.14	-9.13	-9.13	-2.32	-2.32	0.5	0.5	-2.48	-2.48
-23	7.43	7.43	-1.61	-1.61	-4.74	-4.74	-20	-21	-7.15	-7.15	-2.51	-2.51	-6.11	-6.11
-22	7.44	7.44	0.99	0.99	-1.33	-1.33	-5.13	-5.13	-20	-24.56	-8.79	-8.79	-16.81	-16.81
-21	7.11	7.11	2.65	2.65	0.64	0.64	0.19	0.19	-8.94	-8.94	-11.86	-11.86	-10.3	-10.3
-20	6.41	6.41	3.53	3.53	1.7	1.7	3.31	3.31	-2.13	-2.13	-2.63	-2.63	-1.82	-1.82
-19	5.31	5.31	3.75	3.75	2.08	2.08	5.33	5.33	1.5	1.5	2.12	2.12	2.54	2.54
-18	3.66	3.66	3.32	3.32	1.84	1.84	6.62	6.62	3.74	3.74	5.01	5.01	5.29	5.29
-17	1.13	1.13	2.23	2.23	0.99	0.99	7.28	7.28	5.09	5.09	6.82	6.82	7.07	7.07
-16	-3.22	-3.22	0.56	0.56	-0.47	-0.47	7.34	7.34	5.68	5.68	7.85	7.85	8.1	8.1
-15	-11.2	-11.2	-0.79	-0.79	-2.12	-2.12	6.69	6.69	5.5	5.5	8.2	8.2	8.48	8.48
-14	-4.07	-4.07	0.44	0.44	-1.81	-1.81	5.09	5.09	4.36	4.36	7.88	7.88	8.26	8.26
-13	2.47	2.47	3.75	3.75	1.47	1.47	1.91	1.91	1.66	1.66	6.89	6.89	7.46	7.46
-12	6.58	6.58	7.08	7.08	5.26	5.26	-4.02	-4.02	-4.87	-4.87	5.3	5.3	6.23	6.23
-11	9.55	9.55	9.93	9.93	8.55	8.55	-1.28	-1.28	-7.84	-7.84	4	4	5.24	5.24
-10	11.85	11.85	12.33	12.33	11.31	11.31	5.59	5.59	2.99	2.99	5.16	5.16	5.91	5.91
-9	13.71	13.71	14.38	14.38	13.63	13.63	9.96	9.96	8.32	8.32	8.27	8.27	8.3	8.3
-8	15.22	15.22	16.11	16.11	15.57	15.57	13.04	13.04	11.84	11.84	11.35	11.35	10.99	10.99
-7	16.49	16.49	17.58	17.58	17.19	17.19	15.35	15.35	14.42	14.42	13.9	13.9	13.39	13.39
-6	17.54	17.54	18.8	18.8	18.53	18.53	17.14	17.14	16.41	16.41	15.96	15.96	15.39	15.39
-5	18.42	18.42	19.79	19.79	19.6	19.6	18.54	18.54	17.95	17.95	17.62	17.62	17.04	17.04
-4	19.14	19.14	20.56	20.56	20.43	20.43	19.62	19.62	19.15	19.15	18.95	18.95	18.36	18.36
-3	19.68	19.68	21.11	21.11	21.04	21.04	20.42	20.42	20.04	20.04	19.97	19.97	19.37	19.37
-2	20.07	20.07	21.45	21.45	21.43	21.43	20.97	20.97	20.66	20.66	20.71	20.71	20.11	20.11
-1	20.28	20.28	21.6	21.6	21.62	21.62	21.29	21.29	21.03	21.03	21.2	21.2	20.58	20.58

SX3-2021A (integrated 1 foot pannel)

AZ [deg]	5,900 GHz	Real 5,900 GHz	6,100 GHz	Real 6,100 GHz	6,300 GHz	Real 6,300 GHz	6,500 GHz	Real 6,500 GHz	6,700 GHz	Real 6,700 GHz	6,900 GHz	Real 6,900 GHz	7,100 GHz	Real 7,100 GHz
0	21.32	21.32	21.66	21.66	21.47	21.47	21.82	21.82	22.1	22.1	22.01	22.01	21.77	21.77
1	21.28	21.28	21.59	21.59	21.4	21.4	21.7	21.7	22.01	22.01	21.95	21.95	21.64	21.64
2	21.09	21.09	21.35	21.35	21.13	21.13	21.4	21.4	21.72	21.72	21.69	21.69	21.31	21.31
3	20.75	20.75	20.94	20.94	20.67	20.67	20.9	20.9	21.18	21.18	21.2	21.2	20.76	20.76
4	20.26	20.26	20.35	20.35	19.99	19.99	20.19	20.19	20.38	20.38	20.47	20.47	19.97	19.97
5	19.58	19.58	19.55	19.55	19.08	19.08	19.23	19.23	19.27	19.27	19.45	19.45	18.88	18.88
6	18.68	18.68	18.51	18.51	17.87	17.87	17.97	17.97	17.76	17.76	18.06	18.06	17.43	17.43
7	17.54	17.54	17.21	17.21	16.31	16.31	16.3	16.3	15.74	15.74	16.21	16.21	15.5	15.5
8	16.07	16.07	15.53	15.53	14.26	14.26	14.05	14.05	12.92	12.92	13.68	13.68	12.86	12.86
9	14.23	14.23	13.4	13.4	11.5	11.5	10.9	10.9	8.73	8.73	10.11	10.11	9.09	9.09
10	11.91	11.91	10.6	10.6	7.55	7.55	5.99	5.99	1.01	1.01	4.31	4.31	2.79	2.79
11	9.1	9.1	6.83	6.83	0.83	0.83	-4.42	-4.42	-4.04	-4.04	-9.68	-9.68	-18.51	-18.51
12	6	6	1.67	1.67	-11.73	-11.73	-2.54	-2.54	2.44	2.44	-2.3	-2.3	-4.6	-4.6
13	3.76	3.76	-1.78	-1.78	-2.83	-2.83	3.61	3.61	7.05	7.05	4.26	4.26	3.67	3.67
14	3.5	3.5	0.48	0.48	3.39	3.39	7.11	7.11	9.03	9.03	6.94	6.94	5.99	5.99
15	4.33	4.33	3.36	3.36	5.67	5.67	8.69	8.69	9.79	9.79	8.01	8.01	6.74	6.74
16	5.1	5.1	5.06	5.06	6.57	6.57	9.28	9.28	9.73	9.73	8.19	8.19	6.53	6.53
17	5.4	5.4	5.82	5.82	6.62	6.62	9.18	9.18	9	9	7.71	7.71	5.58	5.58
18	5.3	5.3	5.98	5.98	6.04	6.04	8.54	8.54	7.67	7.67	6.7	6.7	3.96	3.96
19	4.88	4.88	5.72	5.72	4.91	4.91	7.42	7.42	5.73	5.73	5.22	5.22	1.67	1.67
20	4.2	4.2	5.11	5.11	3.2	3.2	5.78	5.78	3.18	3.18	3.21	3.21	-1.32	-1.32
21	3.3	3.3	4.15	4.15	0.71	0.71	3.5	3.5	0.21	0.21	0.58	0.58	-4.22	-4.22
22	2.08	2.08	2.72	2.72	-3.16	-3.16	0.2	0.2	-1.97	-1.97	-2.72	-2.72	-4.42	-4.42
23	0.48	0.48	0.56	0.56	-10.88	-10.88	-5.01	-5.01	-1.7	-1.7	-5.36	-5.36	-2.11	-2.11
24	-1.46	-1.46	-2.96	-2.96	-12.8	-12.8	-9.78	-9.78	0.08	0.08	-4.45	-4.45	0.37	0.37
25	-3.08	-3.08	-10.14	-10.14	-5.98	-5.98	-5.57	-5.57	1.85	1.85	-1.82	-1.82	2.15	2.15
26	-2.95	-2.95	-15.99	-15.99	-1.1	-1.1	-0.92	-0.92	3.11	3.11	0.38	0.38	3.19	3.19
27	-1.23	-1.23	-8.02	-8.02	1.49	1.49	1.87	1.87	3.79	3.79	1.68	1.68	3.54	3.54
28	0.78	0.78	-2.38	-2.38	2.97	2.97	3.5	3.5	3.92	3.92	2.19	2.19	3.24	3.24
29	2.38	2.38	0.26	0.26	3.72	3.72	4.34	4.34	3.45	3.45	1.96	1.96	2.24	2.24
30	3.46	3.46	1.68	1.68	3.92	3.92	4.58	4.58	2.34	2.34	1.05	1.05	0.51	0.51
31	4.09	4.09	2.33	2.33	3.68	3.68	4.32	4.32	0.47	0.47	-0.45	-0.45	-2	-2
32	4.33	4.33	2.39	2.39	3.09	3.09	3.58	3.58	-2.44	-2.44	-2.23	-2.23	-4.91	-4.91
33	4.26	4.26	1.98	1.98	2.18	2.18	2.34	2.34	-6.89	-6.89	-3.36	-3.36	-6.11	-6.11
34	3.88	3.88	1.11	1.11	0.98	0.98	0.48	0.48	-11.14	-11.14	-2.95	-2.95	-4.58	-4.58
35	3.19	3.19	-0.26	-0.26	-0.56	-0.56	-2.28	-2.28	-8.51	-8.51	-1.53	-1.53	-2.33	-2.33
36	2.11	2.11	-2.25	-2.25	-2.64	-2.64	-6.82	-6.82	-4.41	-4.41	0	0	-0.55	-0.55
37	0.46	0.46	-5.28	-5.28	-5.71	-5.71	-18.3	-18.3	-1.52	-1.52	1.22	1.22	0.61	0.61
38	-2.06	-2.06	-10.49	-10.49	-11.11	-11.11	-14.27	-14.27	0.42	0.42	2.09	2.09	1.25	1.25
39	-6.18	-6.18	-20	-31.86	-19.54	-19.54	-6.89	-6.89	1.74	1.74	2.64	2.64	1.41	1.41
40	-14.47	-14.47	-17.83	-17.83	-12.7	-12.7	-2.64	-2.64	2.61	2.61	2.92	2.92	1.14	1.14
41	-14.82	-14.82	-8.46	-8.46	-6.58	-6.58	-0.26	-0.26	3.13	3.13	2.94	2.94	0.46	0.46
42	-8.79	-8.79	-5.06	-5.06	-3.51	-3.51	1.15	1.15	3.28	3.28	2.7	2.7	-0.66	-0.66
43	-4.77	-4.77	-3.3	-3.3	-1.91	-1.91	1.91	1.91	3.08	3.08	2.17	2.17	-2.24	-2.24
44	-2.74	-2.74	-2.48	-2.48	-1.25	-1.25	2.14	2.14	2.48	2.48	1.3	1.3	-4.43	-4.43
45	-1.62	-1.62	-2.28	-2.28	-1.33	-1.33	1.94	1.94	1.45	1.45	0.04	0.04	-7.5	-7.5
46	-1.01	-1.01	-2.54	-2.54	-1.99	-1.99	1.35	1.35	-0.09	-0.09	-1.72	-1.72	-12.42	-12.42
47	-0.63	-0.63	-3.08	-3.08	-3.14	-3.14	0.43	0.43	-2.23	-2.23	-4.01	-4.01	-20	-25.57
48	-0.33	-0.33	-3.73	-3.73	-4.64	-4.64	-0.76	-0.76	-5.04	-5.04	-6.56	-6.56	-19.08	-19.08
49	-0.05	-0.05	-4.41	-4.41	-6.39	-6.39	-2.17	-2.17	-8.23	-8.23	-8	-8	-11.29	-11.29
50	0.19	0.19	-5.06	-5.06	-8.29	-8.29	-3.7	-3.7	-9.75	-9.75	-7.1	-7.1	-7.06	-7.06
51	0.31	0.31	-5.78	-5.78	-10.27	-10.27	-5.19	-5.19	-8.34	-8.34	-5.18	-5.18	-4.54	-4.54
52	0.24	0.24	-6.7	-6.7	-12.24	-12.24	-6.33	-6.33	-6.05	-6.05	-3.5	-3.5	-2.98	-2.98
53	-0.08	-0.08	-8.02	-8.02	-13.69	-13.69	-6.78	-6.78	-4.16	-4.16	-2.38	-2.38	-2.1	-2.1
54	-0.73	-0.73	-10.05	-10.05	-13.61	-13.61	-6.46	-6.46	-2.83	-2.83	-1.8	-1.8	-1.82	-1.82
55	-1.71	-1.71	-13.37	-13.37	-11.91	-11.91	-5.62	-5.62	-1.93	-1.93	-1.65	-1.65	-2.04	-2.04
56	-3.08	-3.08	-19.93	-19.93	-9.61	-9.61	-4.6	-4.6	-1.34	-1.34	-1.85	-1.85	-2.72	-2.72
57	-4.83	-4.83	-20	-28.49	-7.49	-7.49	-3.6	-3.6	-0.98	-0.98	-2.29	-2.29	-3.77	-3.77
58	-7.01	-7.01	-19.7	-19.7	-5.79	-5.79	-2.68	-2.68	-0.74	-0.74	-2.84	-2.84	-5.09	-5.09
59	-9.75	-9.75	-13.36	-13.36	-4.49	-4.49	-1.91	-1.91	-0.62	-0.62	-3.42	-3.42	-6.63	-6.63
60	-13.33	-13.33	-10.35	-10.35	-3.56	-3.56	-1.26	-1.26	-0.56	-0.56	-3.95	-3.95	-8.34	-8.34
61	-18.72	-18.72	-8.52	-8.52	-2.89	-2.89	-0.77	-0.77	-0.6	-0.6	-4.44	-4.44	-10.33	-10.33
62	-20	-30.97	-7.33	-7.33	-2.44	-2.44	-0.43	-0.43	-0.73	-0.73	-4.91	-4.91	-12.7	-12.7
63	-20	-25.98	-6.59	-6.59	-2.18	-2.18	-0.28	-0.28	-1.03	-1.03	-5.5	-5.5	-15.28	-15.28
64	-19.19	-19.19	-6.17	-6.17	-2.1	-2.1	-0.33	-0.33	-1.52	-1.52	-6.32	-6.32	-16.3	-16.3
65	-15.5	-15.5	-6	-6	-2.22	-2.22	-0.59	-0.59	-2.26	-2.26	-7.5	-7.5	-14.47	-14.47
66	-13.3	-13.3	-6.04	-6.04	-2.54	-2.54	-1.1	-1.1	-3.29	-3.29	-9.19	-9.19	-11.73	-11.73
67	-11.76	-11.76	-6.22	-6.22	-3.06	-3.06	-1.84	-1.84	-4.63	-4.63	-11.52	-11.52	-9.38	-9.38
68	-10.55	-10.55	-6.47	-6.47	-3.74	-3.74	-2.8	-2.8	-6.29	-6.29	-14.73	-14.73	-7.67	-7.67
69	-9.53	-9.53	-6.7	-6.7	-4.5	-4.5	-3.91	-3.91	-8.25	-8.25	-18.94	-18.94	-6.46	-6.46
70	-8.62	-8.62	-6.83	-6.83	-5.28	-5.28	-5.07	-5.07	-10.45	-10.45	-20	-22.62	-5.59	-5.59
71	-7.87	-7.87	-6.86	-6.86	-6.02	-6.02	-6.14	-6.14	-12.79	-12.79	-20	-22.06	-4.96	-4.96
72	-7.32	-7.32	-6.79	-6.79	-6.66	-6.66	-6.97	-6.97	-15.15	-15.15	-19.66	-19.66	-4.43	-4.43
73	-7.04	-7.04	-6.75	-6.75	-7.2	-7.2	-7.52	-7.52	-17.47	-17.47	-17.77	-17.77	-4.01	-4.01
74	-7.05	-7.05	-6.81	-6.81	-7.73	-7.73	-7.88	-7.88	-19.87	-19.87	-16.59	-16.59	-3.69	-3.69
75	-7.35	-7.35	-7.04	-7.04	-8.35	-8.35	-8.18	-8.18	-20	-22.78	-15.85	-15.85	-3.49	-3.49
76	-7.91	-7.91	-7.52	-7.52	-9.17	-9.17	-8.59	-8.59	-20	-27.3	-15.27	-15.27	-3.47	-3.47
77	-8.62	-8.62	-8.21	-8.21	-10.27	-10.27	-9.21	-9.21	-20	-31.93	-14.65	-14.65	-3.59	-3.59
78	-9.35	-9.35	-9.08	-9.08	-11.64	-11.64	-10.12	-10.12	-20	-27.2	-13.94	-13.94	-3.84	-3.84
79	-9.93	-9.93	-9.97	-9.97	-13.18	-13.18	-11.33	-11.33	-20	-21.82	-13.17	-13.17	-4.15	-4.15
80	-10.26	-10.26	-10.68	-10.68	-14.71	-14.71	-12.78	-12.78	-18.42	-18.42	-12.45	-12.45	-4.43	-4.43
81	-10.34	-10.34	-11.06	-11.06	-15.96	-15.96	-14.27	-14.27	-16.33	-16.33	-11.83	-11.83	-4.59	-4.59
82	-10.31	-10.31	-11.08	-11.08	-16.7	-16.7	-15.38	-15.38	-15.08	-15.08	-11.34	-11.34	-4.6	-4.6
83	-10.38	-10.38	-10.93	-10.93	-16.94	-16.94	-15.81	-15.81	-14.45	-14.45	-11.03	-11.03	-4.51	-4.51
84	-10.7	-10.7	-10.8	-10.8	-16.95	-16.95	-15.66	-15.66	-14.24	-14.24	-10.95	-10.95	-4.43	-4.43
85	-11.4	-11.4	-10.86	-10.86	-17.07	-17.07	-15.33	-15.33	-14.32	-14.32	-11.12	-11.12	-4.47	-4.47
86	-12.53	-12.53	-11.18	-11.18	-17.57	-17.57	-15.1	-15.1	-14.54	-14.54	-11.52	-11.52	-4.69	-4.69
87	-14.06	-14.06	-11.77											

144	-17.49	-17.49	-15.24	-15.24	-12.46	-12.46	-20	-31.37	-20	-21.89	-20	-21.88	-20	-22
145	-16.49	-16.49	-15.49	-15.49	-12.71	-12.71	-20	-35.39	-20	-20.85	-20	-20.88	-20	-24.65
146	-15.8	-15.8	-15.59	-15.59	-13.03	-13.03	-20	-34.6	-20	-20.69	-19.96	-19.96	-20	-27.58
147	-15.53	-15.53	-15.63	-15.63	-13.33	-13.33	-20	-31.57	-20	-21.54	-19.68	-19.68	-20	-29.73
148	-15.84	-15.84	-15.71	-15.71	-13.61	-13.61	-20	-28.64	-20	-23.39	-20	-20.23	-20	-28.67
149	-16.87	-16.87	-15.87	-15.87	-14	-14	-20	-26.23	-20	-24.64	-20	-21.67	-20	-24.89
150	-18.83	-18.83	-16.1	-16.1	-14.69	-14.69	-20	-24.37	-20	-22.8	-20	-24.08	-20	-20.91
151	-20	-22.08	-16.43	-16.43	-15.83	-15.83	-20	-23.08	-19.95	-19.95	-20	-27.39	-17.81	-17.81
152	-20	-26.71	-16.88	-16.88	-17.56	-17.56	-20	-22.28	-18.01	-18.01	-20	-30.02	-15.67	-15.67
153	-20	-28.77	-17.54	-17.54	-20	-20.03	-20	-21.95	-17.42	-17.42	-20	-29.58	-14.46	-14.46
154	-20	-26.55	-18.46	-18.46	-20	-23.49	-20	-21.98	-18.24	-18.24	-20	-27.77	-14.09	-14.09
155	-20	-24.35	-19.62	-19.62	-20	-27.05	-20	-22.27	-20	-20.41	-20	-26.22	-14.46	-14.46
156	-20	-23.15	-20	-20.74	-20	-25.31	-20	-22.6	-20	-21.75	-20	-24.99	-15.3	-15.3
157	-20	-22.11	-20	-21.16	-20	-20.76	-20	-22.28	-19.21	-19.21	-20	-23.74	-15.92	-15.92
158	-20	-20.56	-20	-20.42	-16.81	-16.81	-20	-20.63	-15.77	-15.77	-20	-22.43	-15.74	-15.74
159	-18.58	-18.58	-18.9	-18.9	-13.92	-13.92	-18.07	-18.07	-13.3	-13.3	-20	-21.23	-15.08	-15.08
160	-16.64	-16.64	-17.22	-17.22	-11.88	-11.88	-15.51	-15.51	-11.86	-11.86	-20	-20.36	-14.73	-14.73
161	-15.05	-15.05	-15.76	-15.76	-10.6	-10.6	-13.49	-13.49	-11.19	-11.19	-19.95	-19.95	-15.19	-15.19
162	-13.91	-13.91	-14.65	-14.65	-10.04	-10.04	-12.15	-12.15	-11.06	-11.06	-20	-20.03	-16.63	-16.63
163	-13.34	-13.34	-13.96	-13.96	-10.28	-10.28	-11.54	-11.54	-11.3	-11.3	-20	-20.6	-18.55	-18.55
164	-13.43	-13.43	-13.67	-13.67	-11.47	-11.47	-11.68	-11.68	-11.76	-11.76	-20	-21.52	-18.86	-18.86
165	-14.44	-14.44	-13.71	-13.71	-13.92	-13.92	-12.63	-12.63	-12.43	-12.43	-20	-22.41	-17.07	-17.07
166	-16.79	-16.79	-13.85	-13.85	-18.3	-18.3	-14.42	-14.42	-13.42	-13.42	-20	-22.61	-15.13	-15.13
167	-20	-20.96	-13.77	-13.77	-20	-23.45	-16.98	-16.98	-14.95	-14.95	-20	-22.01	-14.04	-14.04
168	-20	-21.93	-13.41	-13.41	-20	-21.54	-19.99	-19.99	-17.39	-17.39	-20	-21.27	-13.96	-13.96
169	-17.71	-17.71	-13.02	-13.02	-18.64	-18.64	-20	-22.69	-20	-20.91	-20	-20.94	-14.8	-14.8
170	-13.98	-13.98	-13.08	-13.08	-17.83	-17.83	-20	-24.87	-20	-22.89	-20	-21.27	-16.38	-16.38
171	-11.94	-11.94	-13.96	-13.96	-18.09	-18.09	-20	-24.99	-20	-20.44	-20	-22.07	-17.8	-17.8
172	-11.2	-11.2	-15.96	-15.96	-16.4	-16.4	-20	-21.42	-17.35	-17.35	-20	-23.08	-17.64	-17.64
173	-11.51	-11.51	-18.4	-18.4	-12.97	-12.97	-17.32	-17.32	-15.44	-15.44	-20	-24.34	-16.19	-16.19
174	-12.65	-12.65	-17.72	-17.72	-9.94	-9.94	-14.42	-14.42	-14.77	-14.77	-20	-26.1	-14.74	-14.74
175	-13.99	-13.99	-14.69	-14.69	-8.03	-8.03	-12.84	-12.84	-15.3	-15.3	-20	-24.58	-13.93	-13.93
176	-14.37	-14.37	-12.16	-12.16	-7.25	-7.25	-12.46	-12.46	-17.32	-17.32	-19.19	-19.19	-13.84	-13.84
177	-13.59	-13.59	-10.86	-10.86	-7.59	-7.59	-13.28	-13.28	-20	-21.97	-14.11	-14.11	-14.41	-14.41
178	-12.68	-12.68	-10.73	-10.73	-9.19	-9.19	-15.33	-15.33	-20	-31.85	-10.43	-10.43	-15.49	-15.49
179	-12.4	-12.4	-11.75	-11.75	-12.55	-12.55	-18.04	-18.04	-20	-24.76	-7.91	-7.91	-16.8	-16.8
180	-13.21	-13.21	-15.9	-15.9	-19.4	-19.4	-17.95	-17.95	-17.34	-17.34	-5.99	-5.99	-17.96	-17.96
-179	-13.21	-13.21	-15.9	-15.9	-19.4	-19.4	-17.95	-17.95	-17.34	-17.34	-5.99	-5.99	-17.96	-17.96
-178	-13.64	-13.64	-20	-21.8	-15.45	-15.45	-16.1	-16.1	-15.63	-15.63	-5.71	-5.71	-17.7	-17.7
-177	-12.74	-12.74	-20	-22.15	-12.43	-12.43	-16.74	-16.74	-17.01	-17.01	-6.63	-6.63	-16.83	-16.83
-176	-11.61	-11.61	-20	-20.95	-11.58	-11.58	-19.88	-19.88	-20	-20.84	-8.46	-8.46	-15.77	-15.77
-175	-11.02	-11.02	-20	-20.92	-12.33	-12.33	-20	-23.47	-20	-26.03	-11.26	-11.26	-14.82	-14.82
-174	-11.33	-11.33	-20	-21.88	-14.42	-14.42	-18.77	-18.77	-20	-22.18	-14.59	-14.59	-14.29	-14.29
-173	-12.77	-12.77	-20	-21.45	-15.92	-15.92	-13.63	-13.63	-17.72	-17.72	-16.27	-16.27	-14.46	-14.46
-172	-15.72	-15.72	-19.15	-19.15	-13.76	-13.76	-10.51	-10.51	-15.62	-15.62	-15.62	-15.62	-15.59	-15.59
-171	-20	-20.06	-16.86	-16.86	-10.38	-10.38	-8.78	-8.78	-15.18	-15.18	-14.77	-14.77	-17.78	-17.78
-170	-20	-20.09	-15.45	-15.45	-7.77	-7.77	-8	-8	-15.56	-15.56	-14.83	-14.83	-19.69	-19.69
-169	-16.53	-16.53	-14.84	-14.84	-6.17	-6.17	-7.95	-7.95	-15.41	-15.41	-15.92	-15.92	-18.32	-18.32
-168	-13.7	-13.7	-14.82	-14.82	-5.42	-5.42	-8.56	-8.56	-14.06	-14.06	-17.89	-17.89	-15.57	-15.57
-167	-12.21	-12.21	-15.13	-15.13	-5.39	-5.39	-9.74	-9.74	-12.41	-12.41	-20	-20.44	-13.65	-13.65
-166	-11.63	-11.63	-15.69	-15.69	-6	-6	-11.47	-11.47	-11.38	-11.38	-20	-23.03	-13.04	-13.04
-165	-11.56	-11.56	-16.46	-16.46	-7.07	-7.07	-13.37	-13.37	-11.23	-11.23	-20	-24.9	-13.73	-13.73
-164	-11.68	-11.68	-17.25	-17.25	-8.21	-8.21	-14.43	-14.43	-11.9	-11.9	-20	-25.59	-15.74	-15.74
-163	-11.71	-11.71	-17.31	-17.31	-8.8	-8.8	-13.91	-13.91	-13.01	-13.01	-20	-25.42	-18.39	-18.39
-162	-11.58	-11.58	-16.07	-16.07	-8.57	-8.57	-12.59	-12.59	-13.7	-13.7	-20	-25.19	-18.67	-18.67
-161	-11.43	-11.43	-14.23	-14.23	-7.95	-7.95	-11.51	-11.51	-13.57	-13.57	-20	-25.73	-16.8	-16.8
-160	-11.45	-11.45	-12.61	-12.61	-7.49	-7.49	-11.04	-11.04	-13.32	-13.32	-20	-27.54	-15.38	-15.38
-159	-11.78	-11.78	-11.62	-11.62	-7.46	-7.46	-11.28	-11.28	-13.85	-13.85	-20	-29.63	-15.4	-15.4
-158	-12.48	-12.48	-11.32	-11.32	-7.98	-7.98	-12.2	-12.2	-15.82	-15.82	-20	-28.2	-16.91	-16.91
-157	-13.59	-13.59	-11.73	-11.73	-9.12	-9.12	-13.81	-13.81	-19.91	-19.91	-20	-24.95	-19.2	-19.2
-156	-15.15	-15.15	-12.87	-12.87	-10.96	-10.96	-16.1	-16.1	-20	-22.6	-20	-22.52	-19.33	-19.33
-155	-17.24	-17.24	-14.79	-14.79	-13.63	-13.63	-19.06	-19.06	-19.03	-19.03	-20	-21.25	-17.22	-17.22
-154	-19.95	-19.95	-17.6	-17.6	-17.17	-17.17	-20	-22.86	-15.56	-15.56	-20	-20.84	-15.47	-15.47
-153	-20	-22.77	-20	-20.89	-20	-20.71	-20	-28.46	-14.03	-14.03	-20	-20.83	-15.03	-15.03
-152	-20	-23.35	-20	-22.31	-20	-22.19	-20	-41.67	-14.13	-14.13	-20	-20.81	-16.04	-16.04
-151	-20	-21.35	-20	-20.76	-20	-22.4	-20	-32.48	-15.87	-15.87	-20	-20.6	-18.74	-18.74
-150	-19.02	-19.02	-18.63	-18.63	-20	-23.15	-20	-24.54	-19.95	-19.95	-20	-20.41	-20	-24.03
-149	-17.44	-17.44	-17.2	-17.2	-20	-23.39	-20	-20.63	-20	-30.91	-20	-20.59	-20	-33.03
-148	-16.68	-16.68	-16.58	-16.58	-20	-20.81	-18.4	-18.4	-20	-26.18	-20	-21.38	-20	-30.03
-147	-16.65	-16.65	-16.79	-16.79	-17.38	-17.38	-17.28	-17.28	-19.49	-19.49	-20	-23.01	-20	-26.7
-146	-17.25	-17.25	-17.96	-17.96	-14.75	-14.75	-17.11	-17.11	-16.09	-16.09	-20	-25.69	-20	-26.96
-145	-18.29	-18.29	-20	-20.46	-13.1	-13.1	-17.79	-17.79	-14.58	-14.58	-20	-29.7	-20	-30.92
-144	-19.46	-19.46	-20	-25.6	-12.23	-12.23	-19.16	-19.16	-14.16	-14.16	-20	-34.35	-20	-49.47
-143	-20	-20.38	-20	-32.37	-11.87	-11.87	-20	-20.38	-14.48	-14.48	-20	-34.81	-20	-37.64
-142	-20	-20.93	-20	-26.05	-11.78	-11.78	-20	-20.08	-15.21	-15.21	-20	-32.83	-20	-29.54
-141	-20	-21.15	-20	-20.37	-11.75	-11.75	-18.48	-18.48	-15.81	-15.81	-20	-31.68	-20	-26.89
-140	-20	-20.83	-17.43	-17.43	-11.71	-11.71	-16.81	-16.81	-15.85	-15.85	-20	-31.91	-20	-25.73
-139	-19.69	-19.69	-15.87	-15.87	-11.7	-11.7	-15.63	-15.63	-15.47	-15.47	-20	-33.34	-20	-25.13
-138	-18.01	-18.01	-15.11	-15.11	-11.82	-11.82	-14.95	-14.95	-15.14	-15.14	-20	-35.73	-20	-24.67
-137	-16.45	-16.45	-14.88	-14.88	-12.14	-12.14	-14.61	-14.61	-15.24	-15.24	-20	-38.22	-20	-24.24
-136	-15.38	-15.38	-14.94	-14.94	-12.64	-12.64	-14.39	-14.39	-15.89	-15.89	-20	-38.6	-20	-23.86
-135	-14.94	-14.94	-15.08	-15.08	-13.26	-13.26	-14.16	-14.16	-17.02	-17.02	-20	-36.51	-20	-23.7
-134	-15.08	-15.08	-15.12	-15.12	-13.89	-13.89	-13.85	-13.85	-18.4	-18.4	-20	-33.62	-20	-24.05
-133	-15.67	-15.67	-14.96	-14.96	-14.45	-14.45	-13.49	-13.49	-19.58	-19.58	-20	-30.81	-20	-25.3
-132	-16.52	-16.52	-14.66	-14.66	-14.89	-14.89	-13.18	-13.18	-20	-20.33	-20	-28.27	-20	-27.99
-131	-17.4	-17.4	-14.35	-14.35	-15.26	-15.26	-13.04	-13.04	-20	-20.73	-20	-25.97	-20	-33.2
-130	-18.26	-18.26	-14.18											

-67	-12.86	-12.86	-13.06	-13.06	-3.61	-3.61	-1.65	-1.65	-4.32	-4.32	-13.05	-13.05	-10.93	-10.93
-66	-13.1	-13.1	-13.24	-13.24	-3.07	-3.07	-1.25	-1.25	-2.96	-2.96	-9.44	-9.44	-14.96	-14.96
-65	-13.09	-13.09	-13.63	-13.63	-2.75	-2.75	-1.02	-1.02	-1.87	-1.87	-7.06	-7.06	-20	-24.3
-64	-12.85	-12.85	-14.23	-14.23	-2.66	-2.66	-0.98	-0.98	-1.04	-1.04	-5.4	-5.4	-20	-23.52
-63	-12.43	-12.43	-15.09	-15.09	-2.81	-2.81	-1.11	-1.11	-0.39	-0.39	-4.18	-4.18	-15.89	-15.89
-62	-11.8	-11.8	-16.35	-16.35	-3.18	-3.18	-1.42	-1.42	0.09	0.09	-3.23	-3.23	-10.71	-10.71
-61	-10.88	-10.88	-18.42	-18.42	-3.78	-3.78	-1.92	-1.92	0.43	0.43	-2.46	-2.46	-7.55	-7.55
-60	-9.59	-9.59	-20	-22.34	-4.62	-4.62	-2.62	-2.62	0.67	0.67	-1.79	-1.79	-5.25	-5.25
-59	-8.03	-8.03	-20	-34.27	-5.74	-5.74	-3.57	-3.57	0.77	0.77	-1.22	-1.22	-3.47	-3.47
-58	-6.36	-6.36	-20	-26.62	-7.23	-7.23	-4.8	-4.8	0.75	0.75	-0.78	-0.78	-2.07	-2.07
-57	-4.76	-4.76	-18.22	-18.22	-9.11	-9.11	-6.44	-6.44	0.56	0.56	-0.52	-0.52	-1	-1
-56	-3.36	-3.36	-13.46	-13.46	-11.07	-11.07	-8.62	-8.62	0.2	0.2	-0.47	-0.47	-0.23	-0.23
-55	-2.22	-2.22	-10.4	-10.4	-12.03	-12.03	-11.59	-11.59	-0.39	-0.39	-0.69	-0.69	0.24	0.24
-54	-1.38	-1.38	-8.26	-8.26	-11.17	-11.17	-15.74	-15.74	-1.26	-1.26	-1.25	-1.25	0.39	0.39
-53	-0.8	-0.8	-6.69	-6.69	-9.39	-9.39	-19.21	-19.21	-2.49	-2.49	-2.16	-2.16	0.22	0.22
-52	-0.45	-0.45	-5.51	-5.51	-7.65	-7.65	-16.64	-16.64	-4.28	-4.28	-3.52	-3.52	-0.32	-0.32
-51	-0.26	-0.26	-4.56	-4.56	-6.24	-6.24	-12.34	-12.34	-6.99	-6.99	-5.42	-5.42	-1.27	-1.27
-50	-0.17	-0.17	-3.75	-3.75	-5.11	-5.11	-8.88	-8.88	-11.18	-11.18	-7.94	-7.94	-2.76	-2.76
-49	-0.12	-0.12	-3.03	-3.03	-4.15	-4.15	-6.25	-6.25	-12.98	-12.98	-10.48	-10.48	-5.08	-5.08
-48	-0.08	-0.08	-2.4	-2.4	-3.3	-3.3	-4.16	-4.16	-8.66	-8.66	-10.42	-10.42	-8.88	-8.88
-47	-0.08	-0.08	-1.91	-1.91	-2.55	-2.55	-2.52	-2.52	-4.14	-4.14	-7.78	-7.78	-16.66	-16.66
-46	-0.15	-0.15	-1.65	-1.65	-1.97	-1.97	-1.29	-1.29	-1.01	-1.01	-4.89	-4.89	-16.73	-16.73
-45	-0.38	-0.38	-1.7	-1.7	-1.65	-1.65	-0.47	-0.47	1.08	1.08	-2.68	-2.68	-10.06	-10.06
-44	-0.9	-0.9	-2.18	-2.18	-1.69	-1.69	-0.11	-0.11	2.43	2.43	-1.15	-1.15	-5.29	-5.29
-43	-1.83	-1.83	-3.23	-3.23	-2.22	-2.22	-0.25	-0.25	3.19	3.19	-0.18	-0.18	-2.47	-2.47
-42	-3.36	-3.36	-5.11	-5.11	-3.4	-3.4	-1	-1	3.42	3.42	0.29	0.29	-0.64	-0.64
-41	-5.68	-5.68	-8.32	-8.32	-5.46	-5.46	-2.55	-2.55	3.2	3.2	0.38	0.38	0.56	0.56
-40	-8.74	-8.74	-14.29	-14.29	-8.79	-8.79	-5.41	-5.41	2.5	2.5	0.09	0.09	1.24	1.24
-39	-10.25	-10.25	-16.47	-16.47	-12.86	-12.86	-11.28	-11.28	1.32	1.32	-0.5	-0.5	1.5	1.5
-38	-8.01	-8.01	-10.59	-10.59	-11.79	-11.79	-20	-20.36	-0.43	-0.43	-1.4	-1.4	1.31	1.31
-37	-4.79	-4.79	-5.64	-5.64	-7.74	-7.74	-10.97	-10.97	-2.95	-2.95	-2.66	-2.66	0.61	0.61
-36	-2.22	-2.22	-2.57	-2.57	-4.35	-4.35	-3.94	-3.94	-6.13	-6.13	-4.34	-4.34	-0.75	-0.75
-35	-0.4	-0.4	-0.53	-0.53	-1.99	-1.99	-0.4	-0.4	-7.39	-7.39	-6.56	-6.56	-3.15	-3.15
-34	0.82	0.82	0.84	0.84	-0.29	-0.29	1.91	1.91	-4.66	-4.66	-8.78	-8.78	-7.49	-7.49
-33	1.51	1.51	1.65	1.65	0.94	0.94	3.48	3.48	-1.11	-1.11	-8.72	-8.72	-12.42	-12.42
-32	1.7	1.7	1.91	1.91	1.81	1.81	4.51	4.51	1.68	1.68	-6.07	-6.07	-7.7	-7.7
-31	1.42	1.42	1.63	1.63	2.35	2.35	5.1	5.1	3.69	3.69	-3.03	-3.03	-2.23	-2.23
-30	0.6	0.6	0.7	0.7	2.54	2.54	5.29	5.29	5.04	5.04	-0.66	-0.66	1.25	1.25
-29	-0.8	-0.8	-1.06	-1.06	2.35	2.35	5.09	5.09	5.85	5.85	1	1	3.48	3.48
-28	-2.92	-2.92	-4.14	-4.14	1.67	1.67	4.5	4.5	6.17	6.17	1.99	1.99	4.87	4.87
-27	-5.83	-5.83	-9.55	-9.55	0.36	0.36	3.49	3.49	6	6	2.35	2.35	5.6	5.6
-26	-7.99	-7.99	-11.32	-11.32	-1.79	-1.79	2.08	2.08	5.39	5.39	2.1	2.1	5.76	5.76
-25	-6.39	-6.39	-6.18	-6.18	-4.89	-4.89	0.35	0.35	4.32	4.32	1.16	1.16	5.36	5.36
-24	-3.01	-3.01	-1.63	-1.63	-7.12	-7.12	-1.11	-1.11	2.84	2.84	-0.64	-0.64	4.34	4.34
-23	0.02	0.02	1.26	1.26	-5.1	-5.1	-1.2	-1.2	1.14	1.14	-3.77	-3.77	2.52	2.52
-22	2.38	2.38	3.22	3.22	-1.6	-1.6	0.37	0.37	0.14	0.14	-8.71	-8.71	-0.44	-0.44
-21	4.23	4.23	4.61	4.61	1.28	1.28	2.6	2.6	1.03	1.03	-8.37	-8.37	-4.74	-4.74
-20	5.67	5.67	5.59	5.59	3.37	3.37	4.67	4.67	3.25	3.25	-3.35	-3.35	-5.14	-5.14
-19	6.77	6.77	6.23	6.23	4.86	4.86	6.31	6.31	5.63	5.63	0.9	0.9	-1.02	-1.02
-18	7.5	7.5	6.5	6.5	5.85	5.85	7.46	7.46	7.55	7.55	3.7	3.7	2.74	2.74
-17	7.85	7.85	6.35	6.35	6.34	6.34	8.1	8.1	8.93	8.93	5.55	5.55	5.18	5.18
-16	7.76	7.76	5.63	5.63	6.26	6.26	8.16	8.16	9.71	9.71	6.62	6.62	6.59	6.59
-15	7.15	7.15	4.09	4.09	5.44	5.44	7.51	7.51	9.85	9.85	6.95	6.95	7.12	7.12
-14	6.02	6.02	1.42	1.42	3.44	3.44	5.85	5.85	9.24	9.24	6.42	6.42	6.74	6.74
-13	4.71	4.71	-1.45	-1.45	-1.11	-1.11	2.28	2.28	7.58	7.58	4.64	4.64	5.13	5.13
-12	4.56	4.56	0.79	0.79	-19.96	-19.96	-7.95	-7.95	4.09	4.09	0.3	0.3	1.22	1.22
-11	6.5	6.5	5.42	5.42	-4.26	-4.26	-2.64	-2.64	-2.92	-2.92	-9.35	-9.35	-6.96	-6.96
-10	9.37	9.37	9.36	9.36	5.92	5.92	5.4	5.4	0.99	0.99	-0.12	-0.12	0.27	0.27
-9	12.1	12.1	12.34	12.34	10.35	10.35	10.4	10.4	7.63	7.63	7.71	7.71	7.6	7.6
-8	14.35	14.35	14.64	14.64	13.38	13.38	13.64	13.64	12.14	12.14	12.03	12.03	11.98	11.98
-7	16.19	16.19	16.47	16.47	15.64	15.64	16.01	16.01	15.14	15.14	14.98	14.98	14.96	14.96
-6	17.65	17.65	17.93	17.93	17.37	17.37	17.79	17.79	17.3	17.3	17.13	17.13	17.13	17.13
-5	18.82	18.82	19.11	19.11	18.71	18.71	19.16	19.16	18.91	18.91	18.76	18.76	18.74	18.74
-4	19.73	19.73	20.03	20.03	19.73	19.73	20.2	20.2	20.12	20.12	19.97	19.97	19.94	19.94
-3	20.41	20.41	20.73	20.73	20.49	20.49	20.94	20.94	20.99	20.99	20.86	20.86	20.78	20.78
-2	20.89	20.89	21.23	21.23	21.02	21.02	21.45	21.45	21.6	21.6	21.48	21.48	21.35	21.35
-1	21.18	21.18	21.53	21.53	21.34	21.34	21.73	21.73	21.96	21.96	21.85	21.85	21.67	21.67

SX3-2021A (integrated 1 foot pannel)

AZ [deg]	5.900 GHz	Real 5.900 GHz	6.100 GHz	Real 6.100 GHz	6.300 GHz	Real 6.300 GHz	6.500 GHz	Real 6.500 GHz	6.700 GHz	Real 6.700 GHz	6.900 GHz	Real 6.900 GHz	7.100 GHz	Real 7.100 GHz
-90	-20	-37.38	-20	-24.66	-20	-26.11	-17.85	-17.85	-18.25	-18.25	-17.96	-17.96	-11.23	-11.23
-89	-20	-32.12	-20	-23.61	-20	-25.28	-17.43	-17.43	-18.27	-18.27	-17.57	-17.57	-10.81	-10.81
-88	-20	-28.13	-20	-22.64	-20	-23.4	-17.21	-17.21	-18.33	-18.33	-17.24	-17.24	-10.4	-10.4
-87	-20	-24.99	-20	-21.72	-20	-21.1	-17.29	-17.29	-18.36	-18.36	-17.07	-17.07	-10.07	-10.07
-86	-20	-22.6	-20	-20.94	-18.99	-18.99	-17.71	-17.71	-18.28	-18.28	-17.15	-17.15	-9.89	-9.89
-85	-20	-20.87	-20	-20.41	-17.4	-17.4	-18.44	-18.44	-18.09	-18.09	-17.52	-17.52	-9.86	-9.86
-84	-19.72	-19.72	-20	-20.16	-16.44	-16.44	-19.33	-19.33	-17.85	-17.85	-18.19	-18.19	-9.96	-9.96
-83	-19.01	-19.01	-20	-20.17	-16.08	-16.08	-20	-20.07	-17.68	-17.68	-19.14	-19.14	-10.11	-10.11
-82	-18.5	-18.5	-20	-20.34	-16.19	-16.19	-20	-20.26	-17.78	-17.78	-20	-20.33	-10.21	-10.21
-81	-18	-18	-20	-20.49	-16.53	-16.53	-19.75	-19.75	-18.34	-18.34	-20	-21.75	-10.17	-10.17
-80	-17.35	-17.35	-20	-20.47	-16.74	-16.74	-18.78	-18.78	-19.61	-19.61	-20	-23.5	-9.99	-9.99
-79	-16.56	-16.56	-20	-20.14	-16.49	-16.49	-17.7	-17.7	-20	-21.96	-20	-25.76	-9.73	-9.73
-78	-15.73	-15.73	-19.51	-19.51	-15.73	-15.73	-16.71	-16.71	-20	-26.22	-20	-28.91	-9.48	-9.48
-77	-14.94	-14.94	-18.7	-18.7	-14.66	-14.66	-15.9	-15.9	-20	-34.04	-20	-33.66	-9.3	-9.3
-76	-14.28	-14.28	-17.93	-17.93	-13.58	-13.58	-15.27	-15.27	-20	-31.66	-20	-41.57	-9.27	-9.27
-75	-13.79	-13.79	-17.37	-17.37	-12.68	-12.68	-14.8	-14.8	-20	-26.33	-20	-40.76	-9.41	-9.41
-74	-13.51	-13.51	-17.16	-17.16	-12.1	-12.1	-14.39	-14.39	-20	-23.04	-20	-34.76	-9.76	-9.76
-73	-13.41	-13.41	-17.35	-17.35	-11.88	-11.88	-13.91	-13.91	-20	-21.12	-20	-29.51	-10.32	-10.32
-72	-13.41	-13.41	-17.91	-17.91	-11.97	-11.97	-13.21	-13.21	-19.58	-19.58	-20	-25.11	-11.07	-11.07
-71	-13.34	-13.34	-18.76	-18.76	-12.26	-12.26	-12.24	-12.24	-17.85	-17.85	-20	-21.16	-11.99	-11.99
-70	-12.97	-12.97	-19.67	-19.67	-12.59	-12.59	-11.03	-11.03	-15.7	-15.7	-17.69	-17.69	-13.03	-13.03
-69	-12.21	-12.21	-20	-20.28	-12.75	-12.75	-9.72	-9.72	-13.33	-13.33	-14.7	-14.7	-14.08	-14.08
-68	-11.19	-11.19	-20	-20.24	-12.62	-12.62	-8.45	-8.45	-11.07	-11.07	-12.21	-12.21	-14.87	-14.87
-67	-10.12	-10.12	-19.52	-19.52	-12.2	-12.2	-7.35	-7.35	-9.13	-9.13	-10.18	-10.18	-14.87	-14.87
-66	-9.18	-9.18	-18.39	-18.39	-11.66	-11.66	-6.47	-6.47	-7.61	-7.61	-8.59	-8.59	-13.84	-13.84
-65	-8.37	-8.37	-17.15	-17.15	-11.2	-11.2	-5.85	-5.85	-6.51	-6.51	-7.37	-7.37	-12.12	-12.12
-64	-7.67	-7.67	-15.9	-15.9	-11.03	-11.03	-5.48	-5.48	-5.78	-5.78	-6.45	-6.45	-10.22	-10.22
-63	-6.95	-6.95	-14.62	-14.62	-11.27	-11.27	-5.34	-5.34	-5.36	-5.36	-5.74	-5.74	-8.41	-8.41
-62	-6.12	-6.12	-13.21	-13.21	-11.9	-11.9	-5.4	-5.4	-5.13	-5.13	-5.14	-5.14	-6.77	-6.77
-61	-5.13	-5.13	-11.66	-11.66	-12.64	-12.64	-5.61	-5.61	-4.96	-4.96	-4.56	-4.56	-5.33	-5.33
-60	-3.97	-3.97	-10.03	-10.03	-12.8	-12.8	-5.93	-5.93	-4.76	-4.76	-3.95	-3.95	-4.05	-4.05
-59	-2.75	-2.75	-8.45	-8.45	-11.91	-11.91	-6.32	-6.32	-4.5	-4.5	-3.3	-3.3	-2.98	-2.98
-58	-1.54	-1.54	-7	-7	-10.36	-10.36	-6.77	-6.77	-4.22	-4.22	-2.68	-2.68	-2.1	-2.1
-57	-0.47	-0.47	-5.72	-5.72	-8.75	-8.75	-7.29	-7.29	-4.04	-4.04	-2.16	-2.16	-1.45	-1.45
-56	0.42	0.42	-4.64	-4.64	-7.34	-7.34	-7.91	-7.91	-4.06	-4.06	-1.83	-1.83	-1.05	-1.05
-55	1.09	1.09	-3.76	-3.76	-6.15	-6.15	-8.62	-8.62	-4.4	-4.4	-1.74	-1.74	-0.92	-0.92
-54	1.54	1.54	-3.07	-3.07	-5.11	-5.11	-9.38	-9.38	-5.12	-5.12	-1.94	-1.94	-1.07	-1.07
-53	1.79	1.79	-2.55	-2.55	-4.15	-4.15	-10.03	-10.03	-6.27	-6.27	-2.42	-2.42	-1.5	-1.5
-52	1.87	1.87	-2.15	-2.15	-3.2	-3.2	-10.23	-10.23	-7.83	-7.83	-3.21	-3.21	-2.18	-2.18
-51	1.85	1.85	-1.85	-1.85	-2.27	-2.27	-9.73	-9.73	-9.68	-9.68	-4.3	-4.3	-3.09	-3.09
-50	1.76	1.76	-1.6	-1.6	-1.36	-1.36	-8.58	-8.58	-11.6	-11.6	-5.75	-5.75	-4.19	-4.19
-49	1.6	1.6	-1.39	-1.39	-0.53	-0.53	-7.09	-7.09	-13.32	-13.32	-7.69	-7.69	-5.36	-5.36
-48	1.38	1.38	-1.22	-1.22	0.17	0.17	-5.56	-5.56	-14.68	-14.68	-10.45	-10.45	-6.28	-6.28
-47	1.03	1.03	-1.13	-1.13	0.68	0.68	-4.17	-4.17	-15.48	-15.48	-14.73	-14.73	-6.49	-6.49
-46	0.49	0.49	-1.17	-1.17	0.95	0.95	-3.05	-3.05	-15.25	-15.25	-20	-20.34	-5.8	-5.8
-45	-0.37	-0.37	-1.44	-1.44	0.91	0.91	-2.24	-2.24	-14.01	-14.01	-17.92	-17.92	-4.59	-4.59
-44	-1.74	-1.74	-2.01	-2.01	0.54	0.54	-1.83	-1.83	-12.51	-12.51	-13.27	-13.27	-3.3	-3.3
-43	-3.84	-3.84	-3.02	-3.02	-0.23	-0.23	-1.84	-1.84	-11.34	-11.34	-10.23	-10.23	-2.21	-2.21
-42	-7	-7	-4.54	-4.54	-1.46	-1.46	-2.34	-2.34	-10.67	-10.67	-8.65	-8.65	-1.44	-1.44
-41	-10.33	-10.33	-6.59	-6.59	-3.25	-3.25	-3.4	-3.4	-10.39	-10.39	-8.14	-8.14	-0.98	-0.98
-40	-8.97	-8.97	-8.6	-8.6	-5.73	-5.73	-5.09	-5.09	-10.1	-10.1	-8.6	-8.6	-0.87	-0.87
-39	-5.03	-5.03	-8.87	-8.87	-8.93	-8.93	-7.35	-7.35	-9.31	-9.31	-10.17	-10.17	-1.07	-1.07
-38	-1.65	-1.65	-7.13	-7.13	-11.42	-11.42	-9.36	-9.36	-7.85	-7.85	-13.31	-13.31	-1.61	-1.61
-37	0.78	0.78	-4.9	-4.9	-10.31	-10.31	-9.08	-9.08	-6.02	-6.02	-17.37	-17.37	-2.56	-2.56
-36	2.53	2.53	-3.06	-3.06	-7.36	-7.36	-6.83	-6.83	-4.18	-4.18	-14.77	-14.77	-4.05	-4.05
-35	3.74	3.74	-1.76	-1.76	-4.7	-4.7	-4.35	-4.35	-2.51	-2.51	-9.61	-9.61	-6.23	-6.23
-34	4.49	4.49	-0.94	-0.94	-2.7	-2.7	-2.35	-2.35	-1.09	-1.09	-5.53	-5.53	-8.41	-8.41
-33	4.82	4.82	-0.58	-0.58	-1.28	-1.28	-0.88	-0.88	0.08	0.08	-2.57	-2.57	-7.68	-7.68
-32	4.7	4.7	-0.68	-0.68	-0.36	-0.36	0.1	0.1	0.98	0.98	-0.37	-0.37	-4.5	-4.5
-31	4.16	4.16	-1.28	-1.28	0.08	0.08	0.6	0.6	1.56	1.56	1.25	1.25	-1.43	-1.43
-30	3.12	3.12	-2.5	-2.5	0.05	0.05	0.62	0.62	1.75	1.75	2.31	2.31	0.72	0.72
-29	1.58	1.58	-4.49	-4.49	-0.48	-0.48	0.1	0.1	1.48	1.48	2.84	2.84	1.99	1.99
-28	-0.44	-0.44	-7.2	-7.2	-1.45	-1.45	-0.99	-0.99	0.61	0.61	2.79	2.79	2.45	2.45
-27	-2.55	-2.55	-8.71	-8.71	-2.54	-2.54	-2.53	-2.53	-1.05	-1.05	2.09	2.09	2.08	2.08
-26	-3.51	-3.51	-6.78	-6.78	-3	-3	-3.76	-3.76	-3.85	-3.85	0.57	0.57	0.79	0.79
-25	-2.62	-2.62	-3.75	-3.75	-2.2	-2.2	-3.29	-3.29	-8.14	-8.14	-2.17	-2.17	-1.82	-1.82
-24	-0.78	-0.78	-1.32	-1.32	-0.59	-0.59	-1.3	-1.3	-9.77	-9.77	-7.33	-7.33	-6.76	-6.76
-23	1.13	1.13	0.32	0.32	1.11	1.11	0.96	0.96	-6	-6	-14.61	-14.61	-11.64	-11.64
-22	2.9	2.9	1.33	1.33	2.58	2.58	2.88	2.88	-2.03	-2.03	-8.07	-8.07	-6.01	-6.01
-21	4.49	4.49	1.86	1.86	3.77	3.77	4.36	4.36	0.74	0.74	-1.82	-1.82	-0.38	-0.38
-20	5.88	5.88	1.96	1.96	4.68	4.68	5.47	5.47	2.69	2.69	1.83	1.83	3.18	3.18
-19	7	7	1.66	1.66	5.3	5.3	6.22	6.22	4.06	4.06	4.26	4.26	5.64	5.64
-18	7.77	7.77	0.86	0.86	5.54	5.54	6.58	6.58	4.95	4.95	5.93	5.93	7.38	7.38
-17	8.16	8.16	-0.57	-0.57	5.25	5.25	6.48	6.48	5.33	5.33	6.98	6.98	8.55	8.55
-16	8.15	8.15	-2.36	-2.36	4.17	4.17	5.71	5.71	5.09	5.09	7.4	7.4	9.15	9.15
-15	7.83	7.83	-2.07	-2.07	1.66	1.66	3.87	3.87	3.99	3.99	7.06	7.06	9.08	9.08
-14	7.51	7.51	1.39	1.39	-4.67	-4.67	-0.13	-0.13	1.62	1.62	5.68	5.68	8.16	8.16
-13	7.72	7.72	5.45	5.45	-8.12	-8.12	-7.96	-7.96	-1.52	-1.52	2.43	2.43	5.91	5.91
-12	8.85	8.85	8.89	8.89	0.64	0.64	-1.09	-1.09	0.56	0.56	-4.47	-4.47	0.77	0.77
-11	10.62	10.62	11.66	11.66	7.22	7.22	6.08	6.08	5.55	5.55	-0.35	-0.35	-6.25	-6.25
-10	12.53	12.53	13.9	13.9	11.09	11.09	10.47	10.47	9.77	9.77	6.48	6.48	2.15	2.15
-9	14.27	14.27	15.72	15.72	13.84	13.84	13.47	13.47	12.85	12.85	11.11	11.11	9.01	9.01
-8	15.74	15.74	17.21	17.21	15.92	15.92	15.68	15.68	15.16	15.16	14.19	14.19	12.8	12.8
-7	16.97	16.97	18.42	18.42	17.52	17.52	17.36	17.36	16.92	16.92	16.41	16.41	15.37	15.37
-6	17.96	17.96	19.4	19.4	18.78	18.78	18.64	18.64	18.27	18.27	18.05	18.05	17.2	17.2
-5	18.75	18.75	20.17	20.17	19.76	19.76	19.62	19.62	19.3	19.3	19.27	19.27	18.54	18.54
-4	19.38	19.38	20.76	20.76	20.51	20.51	20.35	20.35	20.07	20.07	20.17	20.17	19.51	19.51

47	-2.9	-2.9	-2.38	-2.38	0.39	0.39	-10.98	-10.98	-10.98	-10.98	-11.91	-11.91	-13.46	-13.46
48	-2.51	-2.51	-2.78	-2.78	-0.18	-0.18	-14.58	-14.58	-8.72	-8.72	-8.86	-8.86	-12.04	-12.04
49	-2.21	-2.21	-3.1	-3.1	-0.81	-0.81	-19.59	-19.59	-7.06	-7.06	-6.16	-6.16	-8.82	-8.82
50	-1.99	-1.99	-3.3	-3.3	-1.49	-1.49	-20	-21.94	-5.69	-5.69	-4.22	-4.22	-6.37	-6.37
51	-1.92	-1.92	-3.41	-3.41	-2.2	-2.2	-18.33	-18.33	-4.49	-4.49	-2.82	-2.82	-4.83	-4.83
52	-2.06	-2.06	-3.51	-3.51	-3	-3	-14.43	-14.43	-3.43	-3.43	-1.83	-1.83	-3.96	-3.96
53	-2.44	-2.44	-3.7	-3.7	-3.96	-3.96	-11.75	-11.75	-2.55	-2.55	-1.14	-1.14	-3.57	-3.57
54	-3.11	-3.11	-4.07	-4.07	-5.2	-5.2	-9.92	-9.92	-1.89	-1.89	-0.74	-0.74	-3.56	-3.56
55	-4.04	-4.04	-4.65	-4.65	-6.84	-6.84	-8.66	-8.66	-1.46	-1.46	-0.6	-0.6	-3.87	-3.87
56	-5.2	-5.2	-5.45	-5.45	-8.97	-8.97	-7.79	-7.79	-1.27	-1.27	-0.69	-0.69	-4.48	-4.48
57	-6.49	-6.49	-6.41	-6.41	-11.61	-11.61	-7.21	-7.21	-1.29	-1.29	-0.97	-0.97	-5.35	-5.35
58	-7.74	-7.74	-7.46	-7.46	-14.46	-14.46	-6.81	-6.81	-1.48	-1.48	-1.38	-1.38	-6.5	-6.5
59	-8.84	-8.84	-8.5	-8.5	-16.46	-16.46	-6.49	-6.49	-1.77	-1.77	-1.86	-1.86	-7.99	-7.99
60	-9.69	-9.69	-9.48	-9.48	-16.92	-16.92	-6.18	-6.18	-2.09	-2.09	-2.35	-2.35	-9.85	-9.85
61	-10.3	-10.3	-10.33	-10.33	-16.6	-16.6	-5.89	-5.89	-2.39	-2.39	-2.85	-2.85	-12.3	-12.3
62	-10.69	-10.69	-11.1	-11.1	-16.32	-16.32	-5.69	-5.69	-2.68	-2.68	-3.39	-3.39	-15.64	-15.64
63	-10.97	-10.97	-11.9	-11.9	-16.25	-16.25	-5.69	-5.69	-3.02	-3.02	-4.06	-4.06	-20	-20.81
64	-11.19	-11.19	-12.87	-12.87	-16.19	-16.19	-5.97	-5.97	-3.49	-3.49	-4.98	-4.98	-20	-30.19
65	-11.36	-11.36	-14.14	-14.14	-15.91	-15.91	-6.61	-6.61	-4.17	-4.17	-6.25	-6.25	-20	-26.24
66	-11.49	-11.49	-15.76	-15.76	-15.33	-15.33	-7.6	-7.6	-5.1	-5.1	-7.95	-7.95	-20	-20.27
67	-11.58	-11.58	-17.68	-17.68	-14.54	-14.54	-8.92	-8.92	-6.31	-6.31	-10.14	-10.14	-16.69	-16.69
68	-11.72	-11.72	-19.7	-19.7	-13.75	-13.75	-10.48	-10.48	-7.71	-7.71	-12.69	-12.69	-14.47	-14.47
69	-11.97	-11.97	-20	-21.51	-13.16	-13.16	-12.08	-12.08	-9.14	-9.14	-14.99	-14.99	-12.88	-12.88
70	-12.39	-12.39	-20	-22.71	-12.92	-12.92	-13.41	-13.41	-10.27	-10.27	-15.95	-15.95	-11.63	-11.63
71	-12.97	-12.97	-20	-23.12	-13.1	-13.1	-14.25	-14.25	-10.87	-10.87	-15.55	-15.55	-10.6	-10.6
72	-13.64	-13.64	-20	-22.95	-13.71	-13.71	-14.67	-14.67	-11.03	-11.03	-14.83	-14.83	-9.74	-9.74
73	-14.33	-14.33	-20	-22.76	-14.67	-14.67	-14.95	-14.95	-11.09	-11.09	-14.42	-14.42	-9.06	-9.06
74	-14.99	-14.99	-20	-23.01	-15.85	-15.85	-15.4	-15.4	-11.34	-11.34	-14.42	-14.42	-8.55	-8.55
75	-15.6	-15.6	-20	-23.96	-17	-17	-16.17	-16.17	-11.94	-11.94	-14.68	-14.68	-8.21	-8.21
76	-16.17	-16.17	-20	-25.72	-17.9	-17.9	-17.32	-17.32	-12.91	-12.91	-14.92	-14.92	-8.01	-8.01
77	-16.63	-16.63	-20	-28.22	-18.48	-18.48	-18.84	-18.84	-14.16	-14.16	-14.92	-14.92	-7.9	-7.9
78	-16.99	-16.99	-20	-31.2	-18.78	-18.78	-20	-20.69	-15.34	-15.34	-14.61	-14.61	-7.89	-7.89
79	-17.26	-17.26	-20	-33.77	-18.96	-18.96	-20	-22.8	-15.87	-15.87	-14.15	-14.15	-7.88	-7.88
80	-17.55	-17.55	-20	-33.87	-19.16	-19.16	-20	-25	-15.53	-15.53	-13.7	-13.7	-7.88	-7.88
81	-17.92	-17.92	-20	-31.48	-19.55	-19.55	-20	-26.83	-14.78	-14.78	-13.39	-13.39	-7.84	-7.84
82	-18.35	-18.35	-20	-28.83	-20	-20.24	-20	-27.8	-14.16	-14.16	-13.26	-13.26	-7.77	-7.77
83	-18.86	-18.86	-20	-27.08	-20	-21.24	-20	-28.07	-13.97	-13.97	-13.32	-13.32	-7.7	-7.7
84	-19.37	-19.37	-20	-26.43	-20	-22.45	-20	-28.31	-14.29	-14.29	-13.56	-13.56	-7.7	-7.7
85	-19.86	-19.86	-20	-26.83	-20	-23.56	-20	-28.86	-15.09	-15.09	-13.97	-13.97	-7.84	-7.84
86	-20	-20.23	-20	-28.18	-20	-24.22	-20	-29.68	-16.26	-16.26	-14.52	-14.52	-8.15	-8.15
87	-20	-20.43	-20	-30.21	-20	-24.35	-20	-30.64	-17.55	-17.55	-15.19	-15.19	-8.61	-8.61
88	-20	-20.5	-20	-32.26	-20	-24.11	-20	-32.03	-18.53	-18.53	-15.93	-15.93	-9.17	-9.17
89	-20	-20.54	-20	-33.31	-20	-23.65	-20	-34.8	-18.79	-18.79	-16.7	-16.7	-9.72	-9.72
90	-20	-20.7	-20	-32.76	-20	-23.03	-20	-42.05	-18.32	-18.32	-17.38	-17.38	-10.16	-10.16
91	-20	-21.06	-20	-30.86	-20	-22.27	-20	-44.37	-17.47	-17.47	-17.89	-17.89	-10.39	-10.39
92	-20	-21.72	-20	-28.5	-20	-21.48	-20	-36.74	-16.64	-16.64	-18.11	-18.11	-10.39	-10.39
93	-20	-22.77	-20	-26.36	-20	-20.85	-20	-31.78	-16.09	-16.09	-18.04	-18.04	-10.26	-10.26
94	-20	-24.17	-20	-24.69	-20	-20.57	-20	-29.7	-15.95	-15.95	-17.77	-17.77	-10.12	-10.12
95	-20	-25.46	-20	-23.47	-20	-20.82	-20	-29.01	-16.25	-16.25	-17.43	-17.43	-10.13	-10.13
96	-20	-25.58	-20	-22.59	-20	-21.69	-20	-29.11	-16.99	-16.99	-17.19	-17.19	-10.36	-10.36
97	-20	-24.44	-20	-21.95	-20	-23.19	-20	-29.17	-18.07	-18.07	-17.14	-17.14	-10.87	-10.87
98	-20	-23.09	-20	-21.49	-20	-24.95	-20	-28.13	-19.33	-19.33	-17.3	-17.3	-11.62	-11.62
99	-20	-22.26	-20	-21.16	-20	-26.1	-20	-25.99	-20	-20.47	-17.57	-17.57	-12.53	-12.53
100	-20	-22.16	-20	-20.94	-20	-26.24	-20	-23.68	-20	-21.22	-17.78	-17.78	-13.46	-13.46
101	-20	-22.77	-20	-20.81	-20	-26.04	-20	-21.86	-20	-21.46	-17.75	-17.75	-14.26	-14.26
102	-20	-23.95	-20	-20.81	-20	-26.07	-20	-20.71	-20	-21.35	-17.48	-17.48	-14.81	-14.81
103	-20	-25.4	-20	-20.96	-20	-26.17	-20	-20.26	-20	-21.2	-17.08	-17.08	-15.09	-15.09
104	-20	-26.55	-20	-21.29	-20	-25.97	-20	-20.49	-20	-21.28	-16.73	-16.73	-15.2	-15.2
105	-20	-26.87	-20	-21.76	-20	-25.65	-20	-21.31	-20	-21.74	-16.51	-16.51	-15.35	-15.35
106	-20	-26.34	-20	-22.3	-20	-25.81	-20	-22.59	-20	-22.56	-16.48	-16.48	-15.68	-15.68
107	-20	-25.48	-20	-22.8	-20	-27.09	-20	-24.02	-20	-23.38	-16.65	-16.65	-16.26	-16.26
108	-20	-24.83	-20	-23.12	-20	-30.17	-20	-25.15	-20	-23.68	-17.06	-17.06	-16.99	-16.99
109	-20	-24.66	-20	-23.12	-20	-36.82	-20	-25.58	-20	-23.3	-17.65	-17.65	-17.66	-17.66
110	-20	-25.08	-20	-22.75	-20	-42.71	-20	-25.27	-20	-22.72	-18.28	-18.28	-18.1	-18.1
111	-20	-25.88	-20	-22.2	-20	-37.7	-20	-24.61	-20	-22.42	-18.65	-18.65	-18.33	-18.33
112	-20	-26.61	-20	-21.79	-20	-34.37	-20	-24.04	-20	-22.61	-18.55	-18.55	-18.57	-18.57
113	-20	-26.82	-20	-21.79	-20	-32.9	-20	-23.84	-20	-23.27	-18.04	-18.04	-18.91	-18.91
114	-20	-26.76	-20	-22.34	-20	-30.82	-20	-24.09	-20	-24.23	-17.36	-17.36	-19.34	-19.34
115	-20	-26.96	-20	-23.36	-20	-28.51	-20	-24.71	-20	-25.23	-16.72	-16.72	-19.82	-19.82
116	-20	-27.42	-20	-24.42	-20	-27.07	-20	-25.54	-20	-25.94	-16.26	-16.26	-20	-20.38
117	-20	-27.25	-20	-24.69	-20	-26.93	-20	-26.38	-20	-26.11	-16.03	-16.03	-20	-21.09
118	-20	-25.73	-20	-23.83	-20	-28.16	-20	-27.05	-20	-25.73	-16.06	-16.06	-20	-21.79
119	-20	-23.69	-20	-22.43	-20	-30.14	-20	-27.06	-20	-25.13	-16.36	-16.36	-20	-21.95
120	-20	-22.05	-20	-21.1	-20	-30.64	-20	-26.05	-20	-24.68	-16.84	-16.84	-20	-21.29
121	-20	-21.11	-20	-20.16	-20	-29.33	-20	-24.5	-20	-24.64	-17.36	-17.36	-20	-20.25
122	-20	-20.88	-19.76	-19.76	-20	-28.18	-20	-23.25	-20	-25.1	-17.77	-17.77	-19.48	-19.48
123	-20	-21.23	-20	-20.02	-20	-27.99	-20	-22.74	-20	-26.06	-18.02	-18.02	-19.25	-19.25
124	-20	-22.02	-20	-21.09	-20	-28.11	-20	-23	-20	-27.36	-18.17	-18.17	-19.6	-19.6
125	-20	-23	-20	-23.14	-20	-27.43	-20	-23.61	-20	-28.44	-18.31	-18.31	-20	-20.41
126	-20	-23.84	-20	-26.17	-20	-26.05	-20	-23.57	-20	-28.24	-18.49	-18.49	-20	-21.48
127	-20	-24.25	-20	-28.91	-20	-24.95	-20	-22.47	-20	-26.56	-18.67	-18.67	-20	-22.65
128	-20	-24.08	-20	-28.74	-20	-24.73	-20	-21.08	-20	-24.51	-18.81	-18.81	-20	-23.8
129	-20	-23.45	-20	-27.14	-20	-25.54	-20	-20.17	-20	-23	-18.9	-18.9	-20	-24.87
130	-20	-22.64	-20	-26.02	-20	-27.31	-19.98	-19.98	-20	-22.41	-19.01	-19.01	-20	-25.63
131	-20	-21.98	-20	-25.62	-20	-29.39	-20	-20.54	-20	-22.97	-19.21	-19.21	-20	-25.91
132	-20	-21.69	-20	-25.52	-20	-30.21	-20	-21.82	-20	-24.98	-19.6	-19.6	-20	-25.87
133	-20	-21.9	-20	-25.14	-20	-29.67	-20	-23.9	-20	-29.12	-20	-20.3	-20	-25.82
134	-20	-22.76	-20	-24.18	-20	-29.46	-20	-27.2	-20	-35.29	-20	-21.48	-20	-26
135	-20	-24.39	-20	-22.88	-20	-31.3	-20	-33.58	-20	-33.89	-20	-23.33	-20	-26.48
136	-20	-27.06	-20	-21.71	-20	-40.27	-20	-40.17	-20	-31.13	-20	-25.91	-20</	

-171	-20	-21.34	-14.47	-14.47	-12.75	-12.75	-14.65	-14.65	-19.98	-19.98	-20	-22.44	-13.75	-13.75
-170	-20	-22.17	-14.93	-14.93	-13.27	-13.27	-15.95	-15.95	-17.12	-17.12	-20	-25.69	-11.95	-11.95
-169	-19.12	-19.12	-15.24	-15.24	-12.52	-12.52	-18.35	-18.35	-14.75	-14.75	-20	-28.19	-10.72	-10.72
-168	-16.16	-16.16	-15.2	-15.2	-11.77	-11.77	-20	-23.36	-13.58	-13.58	-20	-29.96	-10.29	-10.29
-167	-14.61	-14.61	-15.3	-15.3	-12.05	-12.05	-20	-39.62	-13.47	-13.47	-20	-29.71	-10.62	-10.62
-166	-14.38	-14.38	-16.31	-16.31	-14.01	-14.01	-20	-26.59	-14.01	-14.01	-20	-26.96	-11.5	-11.5
-165	-15.34	-15.34	-19.15	-19.15	-18.84	-18.84	-18.1	-18.1	-14.39	-14.39	-20	-24.34	-12.44	-12.44
-164	-17.5	-17.5	-20	-24.92	-20	-24.3	-14.94	-14.94	-13.98	-13.98	-20	-23.18	-12.78	-12.78
-163	-20	-20.49	-20	-22.84	-18.78	-18.78	-13.51	-13.51	-13.16	-13.16	-20	-23.78	-12.48	-12.48
-162	-20	-21.96	-17.39	-17.39	-13.93	-13.93	-13.27	-13.27	-12.76	-12.76	-20	-26.64	-12.15	-12.15
-161	-20	-20.79	-13.85	-13.85	-11.69	-11.69	-14.04	-14.04	-13.32	-13.32	-20	-34.67	-12.42	-12.42
-160	-19.31	-19.31	-12.16	-12.16	-10.85	-10.85	-15.62	-15.62	-15.1	-15.1	-20	-36.62	-13.6	-13.6
-159	-18.79	-18.79	-11.68	-11.68	-10.72	-10.72	-17.36	-17.36	-17.91	-17.91	-20	-29.91	-16.02	-16.02
-158	-19.22	-19.22	-12.12	-12.12	-10.82	-10.82	-17.76	-17.76	-18.93	-18.93	-20	-25.78	-20	-20.25
-157	-20	-20.2	-13.22	-13.22	-10.85	-10.85	-16.57	-16.57	-16.84	-16.84	-20	-23.95	-20	-28.03
-156	-20	-21.01	-14.62	-14.62	-10.84	-10.84	-15.1	-15.1	-14.59	-14.59	-20	-22.67	-20	-32.61
-155	-20	-21.14	-15.9	-15.9	-11.04	-11.04	-14.15	-14.15	-13.48	-13.48	-20	-21.43	-20	-28.92
-154	-20	-20.88	-16.93	-16.93	-11.59	-11.59	-13.85	-13.85	-13.45	-13.45	-20	-20.46	-20	-26.99
-153	-20	-20.79	-18.08	-18.08	-12.49	-12.49	-14.16	-14.16	-14.18	-14.18	-20	-20.21	-20	-26.86
-152	-20	-21.13	-19.83	-19.83	-13.55	-13.55	-14.98	-14.98	-15.04	-15.04	-20	-21.09	-20	-25.83
-151	-20	-21.86	-20	-22.36	-14.57	-14.57	-16.23	-16.23	-15.27	-15.27	-20	-23.61	-20	-23.98
-150	-20	-22.68	-20	-24.34	-15.56	-15.56	-17.83	-17.83	-14.78	-14.78	-20	-28.32	-20	-22.77
-149	-20	-23.27	-20	-23.28	-16.71	-16.71	-19.75	-19.75	-14.14	-14.14	-20	-28.09	-20	-22.98
-148	-20	-23.33	-20	-20.69	-18.18	-18.18	-20	-22.06	-13.82	-13.82	-20	-23.42	-20	-25.13
-147	-20	-22.89	-18.44	-18.44	-19.7	-19.7	-20	-25.09	-13.98	-13.98	-19.78	-19.78	-20	-30.64
-146	-20	-22.22	-16.89	-16.89	-20	-20.47	-20	-29.63	-14.67	-14.67	-17.77	-17.77	-20	-32.42
-145	-20	-21.58	-15.93	-15.93	-19.99	-19.99	-20	-32.42	-15.99	-15.99	-16.86	-16.86	-20	-26.46
-144	-20	-21.14	-15.37	-15.37	-18.78	-18.78	-20	-27.61	-18.16	-18.16	-16.77	-16.77	-20	-21.86
-143	-20	-20.77	-14.97	-14.97	-17.57	-17.57	-20	-22.48	-20	-21.83	-17.42	-17.42	-19.38	-19.38
-142	-20	-20.27	-14.45	-14.45	-16.71	-16.71	-19.03	-19.03	-20	-29.65	-18.84	-18.84	-18.09	-18.09
-141	-19.49	-19.49	-13.71	-13.71	-16.28	-16.28	-16.79	-16.79	-20	-32.93	-20	-21.18	-17.6	-17.6
-140	-18.63	-18.63	-12.91	-12.91	-16.07	-16.07	-15.46	-15.46	-20	-25.72	-20	-24.41	-17.81	-17.81
-139	-17.99	-17.99	-12.3	-12.3	-15.68	-15.68	-14.93	-14.93	-20	-20.79	-20	-25.86	-18.75	-18.75
-138	-17.83	-17.83	-12.07	-12.07	-14.79	-14.79	-15.17	-15.17	-18.5	-18.5	-20	-23.36	-20	-20.66
-137	-18.33	-18.33	-12.29	-12.29	-13.59	-13.59	-16.18	-16.18	-17.45	-17.45	-20	-20.16	-20	-24.31
-136	-19.62	-19.62	-12.93	-12.93	-12.57	-12.57	-17.96	-17.96	-17.28	-17.28	-17.86	-17.86	-20	-33.35
-135	-20	-21.9	-13.88	-13.88	-12.04	-12.04	-20	-20.07	-17.83	-17.83	-16.49	-16.49	-20	-31.4
-134	-20	-25.54	-14.95	-14.95	-12.1	-12.1	-20	-20.93	-18.9	-18.9	-15.9	-15.9	-20	-24.15
-133	-20	-31.45	-16.02	-16.02	-12.72	-12.72	-19.75	-19.75	-19.96	-19.96	-16.01	-16.01	-19.54	-19.54
-132	-20	-38.22	-17.1	-17.1	-13.73	-13.73	-17.97	-17.97	-20	-20.13	-16.84	-16.84	-16.99	-16.99
-131	-20	-34.84	-18.35	-18.35	-14.95	-14.95	-16.64	-16.64	-19.24	-19.24	-18.56	-18.56	-15.5	-15.5
-130	-20	-30.66	-19.97	-19.97	-16.28	-16.28	-15.96	-15.96	-18.01	-18.01	-20	-21.61	-14.74	-14.74
-129	-20	-28.08	-20	-22.04	-17.86	-17.86	-15.86	-15.86	-16.99	-16.99	-20	-27.63	-14.54	-14.54
-128	-20	-26.18	-20	-24.18	-19.99	-19.99	-16.16	-16.16	-16.32	-16.32	-20	-34.84	-14.82	-14.82
-127	-20	-24.63	-20	-25.02	-20	-22.71	-16.67	-16.67	-15.93	-15.93	-20	-27.06	-15.6	-15.6
-126	-20	-23.31	-20	-23.75	-20	-25.16	-17.16	-17.16	-15.71	-15.71	-20	-20.89	-16.93	-16.93
-125	-20	-22.22	-20	-21.65	-20	-26.36	-17.53	-17.53	-15.62	-15.62	-17.69	-17.69	-19.01	-19.01
-124	-20	-21.3	-19.83	-19.83	-20	-27.49	-17.88	-17.88	-15.68	-15.68	-15.71	-15.71	-20	-22.22
-123	-20	-20.58	-18.56	-18.56	-20	-29.67	-18.37	-18.37	-15.96	-15.96	-14.47	-14.47	-20	-27.24
-122	-20	-20.11	-17.83	-17.83	-20	-28.47	-19.18	-19.18	-16.5	-16.5	-13.75	-13.75	-20	-30.71
-121	-19.94	-19.94	-17.55	-17.55	-20	-24.02	-20	-20.34	-17.35	-17.35	-13.46	-13.46	-20	-27.36
-120	-20	-20.09	-17.63	-17.63	-20	-20.32	-20	-21.75	-18.54	-18.54	-13.49	-13.49	-20	-23.64
-119	-20	-20.49	-17.94	-17.94	-18.16	-18.16	-20	-23.09	-20	-20.06	-13.8	-13.8	-20	-21.32
-118	-20	-21.02	-18.37	-18.37	-17.14	-17.14	-20	-23.87	-20	-21.84	-14.3	-14.3	-19.88	-19.88
-117	-20	-21.54	-18.83	-18.83	-16.92	-16.92	-20	-23.74	-20	-23.55	-14.91	-14.91	-18.91	-18.91
-116	-20	-21.94	-19.25	-19.25	-17.15	-17.15	-20	-22.76	-20	-24.77	-15.51	-15.51	-18.2	-18.2
-115	-20	-22.23	-19.63	-19.63	-17.41	-17.41	-20	-21.32	-20	-25.52	-15.99	-15.99	-17.64	-17.64
-114	-20	-22.43	-20	-20.03	-17.28	-17.28	-19.77	-19.77	-20	-26.38	-16.28	-16.28	-17.15	-17.15
-113	-20	-22.61	-20	-20.56	-16.55	-16.55	-18.37	-18.37	-20	-28	-16.45	-16.45	-16.71	-16.71
-112	-20	-22.84	-20	-21.22	-15.38	-15.38	-17.27	-17.27	-20	-30.83	-16.65	-16.65	-16.3	-16.3
-111	-20	-23.15	-20	-21.9	-14.11	-14.11	-16.56	-16.56	-20	-33.71	-17.05	-17.05	-15.91	-15.91
-110	-20	-23.55	-20	-22.34	-13.02	-13.02	-16.28	-16.28	-20	-32.33	-17.78	-17.78	-15.57	-15.57
-109	-20	-23.91	-20	-22.41	-12.3	-12.3	-16.47	-16.47	-20	-28.87	-18.92	-18.92	-15.29	-15.29
-108	-20	-24.11	-20	-22.25	-12.01	-12.01	-17.12	-17.12	-20	-25.99	-20	-20.46	-15.12	-15.12
-107	-20	-24.14	-20	-22.13	-12.16	-12.16	-18.19	-18.19	-20	-23.96	-20	-22.31	-15.05	-15.05
-106	-20	-24.25	-20	-22.19	-12.7	-12.7	-19.49	-19.49	-20	-22.55	-20	-24.18	-15.09	-15.09
-105	-20	-24.65	-20	-22.43	-13.54	-13.54	-20	-20.72	-20	-21.59	-20	-25.62	-15.17	-15.17
-104	-20	-25.26	-20	-22.79	-14.54	-14.54	-20	-21.54	-20	-20.95	-20	-26.16	-15.19	-15.19
-103	-20	-25.61	-20	-23.22	-15.52	-15.52	-20	-21.84	-20	-20.56	-20	-25.71	-15.1	-15.1
-102	-20	-25.27	-20	-23.71	-16.31	-16.31	-20	-21.65	-20	-20.37	-20	-24.6	-14.88	-14.88
-101	-20	-24.52	-20	-24.24	-16.8	-16.8	-20	-21.05	-20	-20.35	-20	-23.27	-14.54	-14.54
-100	-20	-23.98	-20	-24.74	-17.07	-17.07	-20	-20.16	-20	-20.47	-20	-21.98	-14.13	-14.13
-99	-20	-24	-20	-25.15	-17.27	-17.27	-19.24	-19.24	-20	-20.65	-20	-20.86	-13.62	-13.62
-98	-20	-24.7	-20	-25.58	-17.56	-17.56	-18.5	-18.5	-20	-20.74	-19.93	-19.93	-13.07	-13.07
-97	-20	-25.98	-20	-26.26	-18.01	-18.01	-18.09	-18.09	-20	-20.57	-19.21	-19.21	-12.53	-12.53
-96	-20	-27.66	-20	-27.43	-18.65	-18.65	-18.01	-18.01	-20	-20.15	-18.73	-18.73	-12.12	-12.12
-95	-20	-29.54	-20	-28.97	-19.52	-19.52	-18.19	-18.19	-19.61	-19.61	-18.48	-18.48	-11.89	-11.89
-94	-20	-31.76	-20	-29.96	-20	-20.69	-18.48	-18.48	-19.12	-19.12	-18.43	-18.43	-11.81	-11.81
-93	-20	-34.91	-20	-29.29	-20	-22.22	-18.68	-18.68	-18.74	-18.74	-18.47	-18.47	-11.81	-11.81
-92	-20	-40.05	-20	-27.6	-20	-24.01	-18.63	-18.63	-18.47	-18.47	-18.46	-18.46	-11.75	-11.75
-91	-20	-42.42	-20	-25.95	-20	-25.56	-18.32	-18.32	-18.31	-18.31	-18.29	-18.29	-11.57	-11.57

SX3-2021A (integrated 1 foot pannel)

AZ [deg]	5,900 GHz	Real 5,900 GHz	6,100 GHz	Real 6,100 GHz	6,300 GHz	Real 6,300 GHz	6,500 GHz	Real 6,500 GHz	6,700 GHz	Real 6,700 GHz	6,900 GHz	Real 6,900 GHz	7,100 GHz	Real 7,100 GHz
-90	-13.92	-13.92	-9.05	-9.05	-18.28	-18.28	-20	-20.02	-7.12	-7.12	-7.19	-7.19	-5.13	-5.13
-89	-12.76	-12.76	-8.91	-8.91	-20	-20.44	-18.48	-18.48	-7.14	-7.14	-6.66	-6.66	-4.25	-4.25
-88	-11.77	-11.77	-8.74	-8.74	-20	-23.13	-17.41	-17.41	-7.15	-7.15	-6.11	-6.11	-3.29	-3.29
-87	-11.01	-11.01	-8.54	-8.54	-20	-25.57	-16.72	-16.72	-7.22	-7.22	-5.63	-5.63	-2.35	-2.35
-86	-10.53	-10.53	-8.38	-8.38	-20	-26.16	-16.34	-16.34	-7.4	-7.4	-5.27	-5.27	-1.57	-1.57
-85	-10.29	-10.29	-8.25	-8.25	-20	-25.08	-16.17	-16.17	-7.72	-7.72	-5.05	-5.05	-1	-1
-84	-10.21	-10.21	-8.18	-8.18	-20	-23.74	-16.08	-16.08	-8.15	-8.15	-4.99	-4.99	-0.67	-0.67
-83	-10.16	-10.16	-8.14	-8.14	-20	-22.52	-15.91	-15.91	-8.63	-8.63	-5.04	-5.04	-0.55	-0.55
-82	-9.95	-9.95	-8.05	-8.05	-20	-21.24	-15.44	-15.44	-9.03	-9.03	-5.14	-5.14	-0.58	-0.58
-81	-9.46	-9.46	-7.83	-7.83	-19.54	-19.54	-14.67	-14.67	-9.22	-9.22	-5.2	-5.2	-0.68	-0.68
-80	-8.71	-8.71	-7.43	-7.43	-17.32	-17.32	-13.74	-13.74	-9.17	-9.17	-5.16	-5.16	-0.76	-0.76
-79	-7.89	-7.89	-6.89	-6.89	-14.91	-14.91	-12.85	-12.85	-8.94	-8.94	-4.99	-4.99	-0.77	-0.77
-78	-7.19	-7.19	-6.3	-6.3	-12.7	-12.7	-12.13	-12.13	-8.63	-8.63	-4.73	-4.73	-0.71	-0.71
-77	-6.68	-6.68	-5.74	-5.74	-10.9	-10.9	-11.59	-11.59	-8.34	-8.34	-4.47	-4.47	-0.63	-0.63
-76	-6.4	-6.4	-5.29	-5.29	-9.56	-9.56	-11.22	-11.22	-8.11	-8.11	-4.29	-4.29	-0.6	-0.6
-75	-6.31	-6.31	-4.95	-4.95	-8.67	-8.67	-10.94	-10.94	-7.96	-7.96	-4.24	-4.24	-0.65	-0.65
-74	-6.35	-6.35	-4.73	-4.73	-8.15	-8.15	-10.71	-10.71	-7.87	-7.87	-4.35	-4.35	-0.84	-0.84
-73	-6.41	-6.41	-4.59	-4.59	-7.89	-7.89	-10.42	-10.42	-7.8	-7.8	-4.63	-4.63	-1.15	-1.15
-72	-6.39	-6.39	-4.46	-4.46	-7.77	-7.77	-10	-10	-7.67	-7.67	-5.05	-5.05	-1.55	-1.55
-71	-6.26	-6.26	-4.31	-4.31	-7.64	-7.64	-9.42	-9.42	-7.4	-7.4	-5.57	-5.57	-2.01	-2.01
-70	-6.03	-6.03	-4.09	-4.09	-7.39	-7.39	-8.7	-8.7	-6.99	-6.99	-6.16	-6.16	-2.45	-2.45
-69	-5.82	-5.82	-3.85	-3.85	-7.02	-7.02	-7.98	-7.98	-6.49	-6.49	-6.77	-6.77	-2.9	-2.9
-68	-5.73	-5.73	-3.64	-3.64	-6.59	-6.59	-7.35	-7.35	-6.01	-6.01	-7.42	-7.42	-3.36	-3.36
-67	-5.83	-5.83	-3.53	-3.53	-6.2	-6.2	-6.86	-6.86	-5.6	-5.6	-8.14	-8.14	-3.92	-3.92
-66	-6.18	-6.18	-3.58	-3.58	-5.96	-5.96	-6.56	-6.56	-5.32	-5.32	-8.98	-8.98	-4.68	-4.68
-65	-6.74	-6.74	-3.77	-3.77	-5.95	-5.95	-6.38	-6.38	-5.17	-5.17	-9.97	-9.97	-5.66	-5.66
-64	-7.46	-7.46	-4.13	-4.13	-6.22	-6.22	-6.32	-6.32	-5.14	-5.14	-11.12	-11.12	-6.91	-6.91
-63	-8.22	-8.22	-4.61	-4.61	-6.77	-6.77	-6.28	-6.28	-5.21	-5.21	-12.44	-12.44	-8.39	-8.39
-62	-8.95	-8.95	-5.18	-5.18	-7.58	-7.58	-6.26	-6.26	-5.33	-5.33	-13.87	-13.87	-10.07	-10.07
-61	-9.65	-9.65	-5.82	-5.82	-8.64	-8.64	-6.24	-6.24	-5.51	-5.51	-15.29	-15.29	-11.9	-11.9
-60	-10.42	-10.42	-6.55	-6.55	-9.96	-9.96	-6.24	-6.24	-5.73	-5.73	-16.4	-16.4	-13.77	-13.77
-59	-11.41	-11.41	-7.46	-7.46	-11.66	-11.66	-6.35	-6.35	-6.06	-6.06	-16.81	-16.81	-15.58	-15.58
-58	-12.6	-12.6	-8.73	-8.73	-13.99	-13.99	-6.62	-6.62	-6.57	-6.57	-16.42	-16.42	-16.85	-16.85
-57	-13.5	-13.5	-10.6	-10.6	-17.58	-17.58	-7.16	-7.16	-7.35	-7.35	-15.61	-15.61	-16.86	-16.86
-56	-13.08	-13.08	-13.42	-13.42	-20	-24.31	-8.01	-8.01	-8.49	-8.49	-14.83	-14.83	-15.54	-15.54
-55	-11.41	-11.41	-17.71	-17.71	-20	-29.35	-9.27	-9.27	-10.09	-10.09	-14.3	-14.3	-13.74	-13.74
-54	-9.58	-9.58	-20	-22.18	-19.46	-19.46	-11.02	-11.02	-12.24	-12.24	-14.07	-14.07	-12.1	-12.1
-53	-8.15	-8.15	-19.6	-19.6	-14.65	-14.65	-13.43	-13.43	-14.98	-14.98	-14.05	-14.05	-10.79	-10.79
-52	-7.24	-7.24	-16.03	-16.03	-11.64	-11.64	-17.02	-17.02	-17.87	-17.87	-13.97	-13.97	-9.88	-9.88
-51	-6.76	-6.76	-13.87	-13.87	-9.53	-9.53	-20	-23.95	-18.58	-18.58	-13.42	-13.42	-9.38	-9.38
-50	-6.61	-6.61	-12.59	-12.59	-8.01	-8.01	-20	-30.06	-16	-16	-12.03	-12.03	-9.38	-9.38
-49	-6.68	-6.68	-11.71	-11.71	-6.94	-6.94	-17.64	-17.64	-12.78	-12.78	-9.91	-9.91	-10.04	-10.04
-48	-6.85	-6.85	-10.92	-10.92	-6.21	-6.21	-12.15	-12.15	-9.95	-9.95	-7.5	-7.5	-11.58	-11.58
-47	-7.14	-7.14	-10.17	-10.17	-5.77	-5.77	-8.64	-8.64	-7.64	-7.64	-5.19	-5.19	-14.07	-14.07
-46	-7.6	-7.6	-9.58	-9.58	-5.62	-5.62	-6.21	-6.21	-5.85	-5.85	-3.19	-3.19	-15.34	-15.34
-45	-8.42	-8.42	-9.4	-9.4	-5.77	-5.77	-4.56	-4.56	-4.56	-4.56	-1.59	-1.59	-12.05	-12.05
-44	-9.9	-9.9	-9.93	-9.93	-6.34	-6.34	-3.58	-3.58	-3.77	-3.77	-0.42	-0.42	-8.19	-8.19
-43	-12.45	-12.45	-11.63	-11.63	-7.49	-7.49	-3.18	-3.18	-3.5	-3.5	0.34	0.34	-5.29	-5.29
-42	-16.36	-16.36	-15.63	-15.63	-9.45	-9.45	-3.39	-3.39	-3.76	-3.76	0.69	0.69	-3.22	-3.22
-41	-16.46	-16.46	-20	-23.27	-12.16	-12.16	-4.22	-4.22	-4.58	-4.58	0.68	0.68	-1.73	-1.73
-40	-11.41	-11.41	-14.69	-14.69	-12.86	-12.86	-5.83	-5.83	-6.06	-6.06	0.35	0.35	-0.66	-0.66
-39	-7.53	-7.53	-8.52	-8.52	-9.3	-9.3	-8.54	-8.54	-8.41	-8.41	-0.23	-0.23	0.12	0.12
-38	-4.89	-4.89	-4.82	-4.82	-5.56	-5.56	-13.48	-13.48	-12.19	-12.19	-0.98	-0.98	0.66	0.66
-37	-3.06	-3.06	-2.36	-2.36	-2.73	-2.73	-20	-30.14	-18.53	-18.53	-1.84	-1.84	0.93	0.93
-36	-1.76	-1.76	-0.63	-0.63	-0.65	-0.65	-15.78	-15.78	-17.16	-17.16	-2.75	-2.75	0.9	0.9
-35	-0.84	-0.84	0.57	0.57	0.86	0.86	-8.79	-8.79	-10.41	-10.41	-3.62	-3.62	0.44	0.44
-34	-0.22	-0.22	1.38	1.38	1.91	1.91	-4.95	-4.95	-6.09	-6.09	-4.15	-4.15	-0.54	-0.54
-33	0.11	0.11	1.85	1.85	2.56	2.56	-2.41	-2.41	-3.05	-3.05	-3.75	-3.75	-2.06	-2.06
-32	0.12	0.12	1.96	1.96	2.84	2.84	-0.69	-0.69	-0.79	-0.79	-2.34	-2.34	-3.68	-3.68
-31	-0.17	-0.17	1.67	1.67	2.74	2.74	0.4	0.4	0.89	0.89	-0.54	-0.54	-3.8	-3.8
-30	-0.7	-0.7	0.9	0.9	2.22	2.22	0.9	0.9	2.08	2.08	1.06	1.06	-1.93	-1.93
-29	-1.18	-1.18	-0.46	-0.46	1.19	1.19	0.81	0.81	2.8	2.8	2.2	2.2	0.27	0.27
-28	-1.15	-1.15	-2.45	-2.45	-0.5	-0.5	0.05	0.05	3.06	3.06	2.81	2.81	1.92	1.92
-27	-0.37	-0.37	-4.54	-4.54	-3.14	-3.14	-1.45	-1.45	2.84	2.84	2.86	2.86	2.85	2.85
-26	0.92	0.92	-4.45	-4.45	-7.04	-7.04	-3.59	-3.59	2.1	2.1	2.29	2.29	3.09	3.09
-25	2.27	2.27	-1.89	-1.89	-9.37	-9.37	-5.07	-5.07	0.79	0.79	1.03	1.03	2.56	2.56
-24	3.48	3.48	0.81	0.81	-5.36	-5.36	-3.44	-3.44	-1.03	-1.03	-1.07	-1.07	1.11	1.11
-23	4.47	4.47	2.87	2.87	-1.39	-1.39	-0.38	-0.38	-2.74	-2.74	-3.94	-3.94	-1.84	-1.84
-22	5.26	5.26	4.34	4.34	1.38	1.38	2.33	2.33	-2.49	-2.49	-5.44	-5.44	-8.46	-8.46
-21	5.9	5.9	5.31	5.31	3.3	3.3	4.46	4.46	-0.15	-0.15	-2.61	-2.61	-14.89	-14.89
-20	6.41	6.41	5.88	5.88	4.61	4.61	6.11	6.11	2.41	2.41	0.97	0.97	-2.53	-2.53
-19	6.83	6.83	6.1	6.1	5.41	5.41	7.38	7.38	4.47	4.47	3.72	3.72	2.56	2.56
-18	7.14	7.14	5.99	5.99	5.73	5.73	8.26	8.26	5.94	5.94	5.67	5.67	5.56	5.56
-17	7.33	7.33	5.51	5.51	5.51	5.51	8.76	8.76	6.83	6.83	6.94	6.94	7.41	7.41
-16	7.42	7.42	4.61	4.61	4.61	4.61	8.79	8.79	7.13	7.13	7.56	7.56	8.39	8.39
-15	7.49	7.49	3.28	3.28	2.68	2.68	8.22	8.22	6.75	6.75	7.51	7.51	8.55	8.55
-14	7.79	7.79	2.12	2.12	-1.29	-1.29	6.85	6.85	5.48	5.48	6.64	6.64	7.84	7.84
-13	8.53	8.53	2.93	2.93	-11.82	-11.82	4.15	4.15	2.84	2.84	4.57	4.57	5.9	5.9
-12	9.81	9.81	5.93	5.93	-2.92	-2.92	-0.7	-0.7	-2.05	-2.05	0.13	0.13	1.7	1.7
-11	11.42	11.42	9.21	9.21	4.57	4.57	-1.16	-1.16	-2.22	-2.22	-16.35	-16.35	-10.31	-10.31
-10	13.09	13.09	12.03	12.03	8.97	8.97	5.55	5.55	4.63	4.63	-0.95	-0.95	0.42	0.42
-9	14.68	14.68	14.35	14.35	12.08	12.08	10.14	10.14	9.26	9.26	6.2	6.2	7.51	7.51
-8	16.1	16.1	16.24	16.24	14.46	14.46	13.32	13.32	12.49	12.49	10.27	10.27	11.58	11.58
-7	17.34	17.34	17.78	17.78	16.34	16.34	15.69	15.69	14.89	14.89	13.09	13.09	14.39	14.39
-6	18.4	18.4	19.01	19.01	17.84	17.84	17.49	17.49	16.74	16.74	15.22	15.22	16.48	16.48
-5	19.31	19.31	20	20	19.04	19.04	18.9	18.9	18.18	18.18	16.9	16.9	18.1	18.1
-4	20.05	20.05	20.75	20.75	19.97	19.97	19.99	19.99	19.29	19.29	18.24	18.24	19.37	19.37
-3	20.62	20.62	21.28</											

54	-8.3	-8.3	-15.29	-15.29	-6.07	-6.07	-20	-21.49	-9.32	-9.32	-6.18	-6.18	-16.62	-16.62
55	-7.06	-7.06	-15.9	-15.9	-5.45	-5.45	-17.86	-17.86	-8.77	-8.77	-5.12	-5.12	-15.68	-15.68
56	-5.84	-5.84	-16.63	-16.63	-4.43	-4.43	-13.61	-13.61	-8.43	-8.43	-4.46	-4.46	-14.53	-14.53
57	-4.79	-4.79	-17.73	-17.73	-3.44	-3.44	-10.4	-10.4	-8.26	-8.26	-4.08	-4.08	-13.42	-13.42
58	-3.94	-3.94	-19.58	-19.58	-2.73	-2.73	-8.02	-8.02	-8.15	-8.15	-3.89	-3.89	-12.36	-12.36
59	-3.33	-3.33	-20	-22.53	-2.32	-2.32	-6.2	-6.2	-8	-8	-3.78	-3.78	-11.33	-11.33
60	-2.86	-2.86	-20	-24.35	-2.18	-2.18	-4.76	-4.76	-7.69	-7.69	-3.67	-3.67	-10.28	-10.28
61	-2.46	-2.46	-20	-20.27	-2.22	-2.22	-3.6	-3.6	-7.16	-7.16	-3.55	-3.55	-9.31	-9.31
62	-2.06	-2.06	-15.76	-15.76	-2.4	-2.4	-2.67	-2.67	-6.45	-6.45	-3.45	-3.45	-8.51	-8.51
63	-1.67	-1.67	-12.47	-12.47	-2.69	-2.69	-1.98	-1.98	-5.65	-5.65	-3.41	-3.41	-7.98	-7.98
64	-1.32	-1.32	-10.11	-10.11	-3.09	-3.09	-1.54	-1.54	-4.88	-4.88	-3.46	-3.46	-7.7	-7.7
65	-1.08	-1.08	-8.42	-8.42	-3.66	-3.66	-1.37	-1.37	-4.24	-4.24	-3.61	-3.61	-7.62	-7.62
66	-1.02	-1.02	-7.26	-7.26	-4.42	-4.42	-1.47	-1.47	-3.8	-3.8	-3.79	-3.79	-7.63	-7.63
67	-1.16	-1.16	-6.5	-6.5	-5.36	-5.36	-1.79	-1.79	-3.58	-3.58	-3.96	-3.96	-7.61	-7.61
68	-1.51	-1.51	-6.05	-6.05	-6.42	-6.42	-2.28	-2.28	-3.55	-3.55	-4.08	-4.08	-7.48	-7.48
69	-2	-2	-5.77	-5.77	-7.46	-7.46	-2.82	-2.82	-3.66	-3.66	-4.08	-4.08	-7.16	-7.16
70	-2.52	-2.52	-5.58	-5.58	-8.3	-8.3	-3.29	-3.29	-3.79	-3.79	-3.94	-3.94	-6.66	-6.66
71	-2.97	-2.97	-5.46	-5.46	-8.75	-8.75	-3.66	-3.66	-3.89	-3.89	-3.65	-3.65	-6.05	-6.05
72	-3.26	-3.26	-5.42	-5.42	-8.75	-8.75	-3.95	-3.95	-3.92	-3.92	-3.29	-3.29	-5.41	-5.41
73	-3.43	-3.43	-5.51	-5.51	-8.37	-8.37	-4.3	-4.3	-3.94	-3.94	-2.94	-2.94	-4.86	-4.86
74	-3.57	-3.57	-5.79	-5.79	-7.78	-7.78	-4.85	-4.85	-4.05	-4.05	-2.69	-2.69	-4.42	-4.42
75	-3.76	-3.76	-6.27	-6.27	-7.2	-7.2	-5.7	-5.7	-4.33	-4.33	-2.6	-2.6	-4.12	-4.12
76	-4.12	-4.12	-6.96	-6.96	-6.76	-6.76	-6.96	-6.96	-4.81	-4.81	-2.7	-2.7	-3.93	-3.93
77	-4.66	-4.66	-7.79	-7.79	-6.56	-6.56	-8.64	-8.64	-5.5	-5.5	-2.96	-2.96	-3.81	-3.81
78	-5.41	-5.41	-8.71	-8.71	-6.62	-6.62	-10.77	-10.77	-6.33	-6.33	-3.33	-3.33	-3.71	-3.71
79	-6.29	-6.29	-9.59	-9.59	-6.9	-6.9	-13.28	-13.28	-7.18	-7.18	-3.75	-3.75	-3.55	-3.55
80	-7.2	-7.2	-10.37	-10.37	-7.32	-7.32	-16.01	-16.01	-7.87	-7.87	-4.12	-4.12	-3.34	-3.34
81	-7.92	-7.92	-10.99	-10.99	-7.74	-7.74	-18.5	-18.5	-8.26	-8.26	-4.41	-4.41	-3.07	-3.07
82	-8.31	-8.31	-11.53	-11.53	-8.01	-8.01	-20	-20.24	-8.33	-8.33	-4.62	-4.62	-2.79	-2.79
83	-8.43	-8.43	-12.12	-12.12	-8.1	-8.1	-20	-21.23	-8.23	-8.23	-4.81	-4.81	-2.6	-2.6
84	-8.47	-8.47	-12.87	-12.87	-8.08	-8.08	-20	-21.87	-8.15	-8.15	-5.06	-5.06	-2.55	-2.55
85	-8.66	-8.66	-13.9	-13.9	-8.1	-8.1	-20	-22.43	-8.2	-8.2	-5.44	-5.44	-2.72	-2.72
86	-9.11	-9.11	-15.2	-15.2	-8.31	-8.31	-20	-22.66	-8.46	-8.46	-5.96	-5.96	-3.1	-3.1
87	-9.88	-9.88	-16.67	-16.67	-8.77	-8.77	-20	-22.23	-8.89	-8.89	-6.63	-6.63	-3.63	-3.63
88	-11	-11	-18.11	-18.11	-9.51	-9.51	-20	-21.29	-9.46	-9.46	-7.38	-7.38	-4.25	-4.25
89	-12.4	-12.4	-19.17	-19.17	-10.49	-10.49	-20	-20.29	-10.05	-10.05	-8.14	-8.14	-4.82	-4.82
90	-13.97	-13.97	-19.76	-19.76	-11.58	-11.58	-19.53	-19.53	-10.54	-10.54	-8.84	-8.84	-5.25	-5.25
91	-15.4	-15.4	-20	-20.11	-12.61	-12.61	-19.07	-19.07	-10.8	-10.8	-9.42	-9.42	-5.45	-5.45
92	-16.29	-16.29	-20	-20.55	-13.34	-13.34	-18.83	-18.83	-10.78	-10.78	-9.85	-9.85	-5.42	-5.42
93	-16.54	-16.54	-20	-21.33	-13.7	-13.7	-18.72	-18.72	-10.53	-10.53	-10.15	-10.15	-5.25	-5.25
94	-16.37	-16.37	-20	-22.36	-13.8	-13.8	-18.64	-18.64	-10.18	-10.18	-10.38	-10.38	-5.03	-5.03
95	-16.1	-16.1	-20	-23.09	-13.86	-13.86	-18.58	-18.58	-9.88	-9.88	-10.61	-10.61	-4.88	-4.88
96	-15.85	-15.85	-20	-22.7	-14.03	-14.03	-18.48	-18.48	-9.73	-9.73	-10.85	-10.85	-4.8	-4.8
97	-15.74	-15.74	-20	-21.42	-14.39	-14.39	-18.32	-18.32	-9.8	-9.8	-11.11	-11.11	-4.8	-4.8
98	-15.79	-15.79	-20	-20.11	-14.87	-14.87	-18.08	-18.08	-10.05	-10.05	-11.33	-11.33	-4.84	-4.84
99	-16.01	-16.01	-19.19	-19.19	-15.27	-15.27	-17.86	-17.86	-10.41	-10.41	-11.5	-11.5	-4.84	-4.84
100	-16.4	-16.4	-18.76	-18.76	-15.44	-15.44	-17.81	-17.81	-10.75	-10.75	-11.62	-11.62	-4.76	-4.76
101	-16.79	-16.79	-18.71	-18.71	-15.38	-15.38	-18.11	-18.11	-10.93	-10.93	-11.76	-11.76	-4.58	-4.58
102	-17.07	-17.07	-18.92	-18.92	-15.35	-15.35	-18.91	-18.91	-10.9	-10.9	-11.97	-11.97	-4.36	-4.36
103	-17.11	-17.11	-19.18	-19.18	-15.61	-15.61	-20	-20.38	-10.72	-10.72	-12.27	-12.27	-4.14	-4.14
104	-16.95	-16.95	-19.31	-19.31	-16.34	-16.34	-20	-22.75	-10.51	-10.51	-12.63	-12.63	-4.02	-4.02
105	-16.69	-16.69	-19.23	-19.23	-17.63	-17.63	-20	-26.51	-10.39	-10.39	-12.97	-12.97	-4.08	-4.08
106	-16.39	-16.39	-18.95	-18.95	-19.4	-19.4	-20	-32.35	-10.43	-10.43	-13.21	-13.21	-4.33	-4.33
107	-16.13	-16.13	-18.6	-18.6	-20	-21.13	-20	-33.04	-10.65	-10.65	-13.33	-13.33	-4.79	-4.79
108	-15.95	-15.95	-18.32	-18.32	-20	-21.66	-20	-27.51	-11	-11	-13.38	-13.38	-5.42	-5.42
109	-15.86	-15.86	-18.2	-18.2	-20	-20.68	-20	-23.9	-11.44	-11.44	-13.45	-13.45	-6.13	-6.13
110	-15.9	-15.9	-18.29	-18.29	-19.3	-19.3	-20	-21.47	-11.9	-11.9	-13.66	-13.66	-6.85	-6.85
111	-16.02	-16.02	-18.6	-18.6	-18.24	-18.24	-19.62	-19.62	-12.33	-12.33	-14.11	-14.11	-7.48	-7.48
112	-16.21	-16.21	-19.08	-19.08	-17.67	-17.67	-18.09	-18.09	-12.7	-12.7	-14.87	-14.87	-8.01	-8.01
113	-16.42	-16.42	-19.66	-19.66	-17.58	-17.58	-16.7	-16.7	-12.99	-12.99	-16	-16	-8.42	-8.42
114	-16.63	-16.63	-20	-20.25	-17.86	-17.86	-15.42	-15.42	-13.2	-13.2	-17.47	-17.47	-8.77	-8.77
115	-16.76	-16.76	-20	-20.75	-18.28	-18.28	-14.23	-14.23	-13.32	-13.32	-19.13	-19.13	-9.07	-9.07
116	-16.7	-16.7	-20	-21.09	-18.5	-18.5	-13.18	-13.18	-13.39	-13.39	-20	-20.5	-9.3	-9.3
117	-16.41	-16.41	-20	-21.27	-18.21	-18.21	-12.32	-12.32	-13.46	-13.46	-20	-20.89	-9.41	-9.41
118	-15.86	-15.86	-20	-21.28	-17.49	-17.49	-11.66	-11.66	-13.57	-13.57	-20	-20.22	-9.31	-9.31
119	-15.16	-15.16	-20	-21.19	-16.69	-16.69	-11.22	-11.22	-13.76	-13.76	-19.14	-19.14	-8.93	-8.93
120	-14.39	-14.39	-20	-21.03	-16.06	-16.06	-10.99	-10.99	-14	-14	-18.22	-18.22	-8.3	-8.3
121	-13.63	-13.63	-20	-20.86	-15.7	-15.7	-10.91	-10.91	-14.29	-14.29	-17.68	-17.68	-7.56	-7.56
122	-12.99	-12.99	-20	-20.72	-15.57	-15.57	-10.96	-10.96	-14.65	-14.65	-17.56	-17.56	-6.87	-6.87
123	-12.5	-12.5	-20	-20.55	-15.53	-15.53	-11.05	-11.05	-15.1	-15.1	-17.78	-17.78	-6.31	-6.31
124	-12.2	-12.2	-20	-20.28	-15.43	-15.43	-11.12	-11.12	-15.72	-15.72	-18.13	-18.13	-5.96	-5.96
125	-12.1	-12.1	-19.84	-19.84	-15.13	-15.13	-11.1	-11.1	-16.56	-16.56	-18.4	-18.4	-5.83	-5.83
126	-12.15	-12.15	-19.24	-19.24	-14.62	-14.62	-10.94	-10.94	-17.67	-17.67	-18.57	-18.57	-5.94	-5.94
127	-12.34	-12.34	-18.67	-18.67	-13.97	-13.97	-10.7	-10.7	-19.01	-19.01	-18.86	-18.86	-6.32	-6.32
128	-12.59	-12.59	-18.27	-18.27	-13.31	-13.31	-10.39	-10.39	-20	-20.34	-19.56	-19.56	-6.98	-6.98
129	-12.86	-12.86	-18.19	-18.19	-12.76	-12.76	-10.12	-10.12	-20	-21.15	-20	-20.81	-8.02	-8.02
130	-13.06	-13.06	-18.5	-18.5	-12.39	-12.39	-9.94	-9.94	-20	-21.03	-20	-22.36	-9.48	-9.48
131	-13.15	-13.15	-19.25	-19.25	-12.33	-12.33	-9.93	-9.93	-20	-20.2	-20	-23.11	-11.47	-11.47
132	-13.14	-13.14	-20	-20.43	-12.54	-12.54	-10.14	-10.14	-19.07	-19.07	-20	-21.83	-13.84	-13.84
133	-13.07	-13.07	-20	-21.67	-12.99	-12.99	-10.58	-10.58	-17.83	-17.83	-19.48	-19.48	-15.55	-15.55
134	-13.02	-13.02	-20	-22.02	-13.67	-13.67	-11.29	-11.29	-16.55	-16.55	-17.23	-17.23	-14.98	-14.98
135	-13.05	-13.05	-20	-20.71	-14.41	-14.41	-12.25	-12.25	-15.34	-15.34	-15.41	-15.41	-13.1	-13.1
136	-13.2	-13.2	-18.57	-18.57	-15.09	-15.09	-13.38	-13.38	-14.33	-14.33	-14.16	-14.16	-11.51	-11.51
137	-13.54	-13.54	-16.49	-16.49	-15.48	-15.48	-14.52	-14.52	-13.61	-13.61	-13.52	-13.52	-10.6	-10.6
138	-14.07	-14.07	-14.75	-14.75	-15.5	-15.5	-15.37	-15.37	-13.2	-13.2	-13.56	-13.56	-10.38	-10.38
139	-14.85	-14.85	-13.37	-13.37	-15.24	-15.24	-15.77	-15.77	-13.05	-13.05	-14.37	-14.37	-10.87	-10.87
140	-15.79	-15.79	-12.27	-12.27	-14.94	-14.94	-15.79	-15.79	-13.03	-13.03	-16.04	-16.04	-12.12	-12.12
141	-16.74	-16.74												

-157	-18.87	-18.87	-20	-23.62	-16.66	-16.66	-20	-25.32	-16.38	-16.38	-20	-20.55	-14.26	-14.26
-156	-20	-20.39	-20	-23.11	-17.16	-17.16	-20	-27.62	-13.62	-13.62	-20	-22.71	-11.76	-11.76
-155	-19.4	-19.4	-20	-20.29	-18.74	-18.74	-20	-27.27	-12.33	-12.33	-20	-23.33	-10.36	-10.36
-154	-17.85	-17.85	-18.33	-18.33	-20	-20.59	-20	-23.49	-12.13	-12.13	-20	-21.67	-9.98	-9.98
-153	-16.88	-16.88	-17.84	-17.84	-20	-21.43	-20	-21.1	-12.84	-12.84	-19.44	-19.44	-10.53	-10.53
-152	-16.44	-16.44	-18.76	-18.76	-20	-21.18	-20	-20.31	-14.26	-14.26	-17.67	-17.67	-11.99	-11.99
-151	-16.24	-16.24	-20	-20.87	-20	-20.8	-20	-20.45	-15.79	-15.79	-16.5	-16.5	-14.28	-14.28
-150	-16.12	-16.12	-20	-22.23	-20	-20.8	-20	-20.21	-16.18	-16.18	-15.88	-15.88	-16.79	-16.79
-149	-16.22	-16.22	-20	-20.18	-20	-21.25	-18.61	-18.61	-15.19	-15.19	-15.77	-15.77	-18.01	-18.01
-148	-16.68	-16.68	-17.3	-17.3	-20	-22.01	-16.46	-16.46	-14.02	-14.02	-16.06	-16.06	-17.82	-17.82
-147	-17.65	-17.65	-15.15	-15.15	-20	-22.78	-14.71	-14.71	-13.34	-13.34	-16.57	-16.57	-18.05	-18.05
-146	-19.26	-19.26	-13.68	-13.68	-20	-23.11	-13.61	-13.61	-13.25	-13.25	-17.06	-17.06	-20	-20.01
-145	-20	-21.79	-12.65	-12.65	-20	-22.8	-13.15	-13.15	-13.62	-13.62	-17.26	-17.26	-20	-25.15
-144	-20	-26.43	-11.93	-11.93	-20	-21.93	-13.33	-13.33	-14.23	-14.23	-17.03	-17.03	-20	-24.99
-143	-20	-39.68	-11.5	-11.5	-20	-20.46	-14.22	-14.22	-14.81	-14.81	-16.38	-16.38	-17.24	-17.24
-142	-20	-27.77	-11.4	-11.4	-18.56	-18.56	-16.02	-16.02	-15.07	-15.07	-15.49	-15.49	-12.66	-12.66
-141	-20	-21.22	-11.71	-11.71	-16.64	-16.64	-19.25	-19.25	-14.9	-14.9	-14.46	-14.46	-9.75	-9.75
-140	-17.93	-17.93	-12.52	-12.52	-15.09	-15.09	-20	-25.94	-14.43	-14.43	-13.43	-13.43	-7.86	-7.86
-139	-16.15	-16.15	-13.88	-13.88	-14.11	-14.11	-20	-35.67	-13.94	-13.94	-12.53	-12.53	-6.72	-6.72
-138	-15.21	-15.21	-15.67	-15.67	-13.58	-13.58	-20	-21.8	-13.7	-13.7	-11.8	-11.8	-6.21	-6.21
-137	-14.61	-14.61	-17.14	-17.14	-13.25	-13.25	-16.75	-16.75	-13.91	-13.91	-11.27	-11.27	-6.28	-6.28
-136	-13.88	-13.88	-16.87	-16.87	-12.72	-12.72	-13.79	-13.79	-14.61	-14.61	-10.92	-10.92	-6.91	-6.91
-135	-12.94	-12.94	-15.07	-15.07	-11.88	-11.88	-11.9	-11.9	-15.58	-15.58	-10.75	-10.75	-8.15	-8.15
-134	-12.03	-12.03	-13.14	-13.14	-10.97	-10.97	-10.78	-10.78	-16.21	-16.21	-10.75	-10.75	-10	-10
-133	-11.4	-11.4	-11.6	-11.6	-10.25	-10.25	-10.29	-10.29	-15.89	-15.89	-10.87	-10.87	-12.22	-12.22
-132	-11.14	-11.14	-10.52	-10.52	-9.9	-9.9	-10.4	-10.4	-14.96	-14.96	-11.17	-11.17	-13.7	-13.7
-131	-11.1	-11.1	-9.86	-9.86	-9.82	-9.82	-11.02	-11.02	-14.18	-14.18	-11.67	-11.67	-12.93	-12.93
-130	-11.01	-11.01	-9.59	-9.59	-9.77	-9.77	-11.88	-11.88	-13.92	-13.92	-12.43	-12.43	-10.99	-10.99
-129	-10.62	-10.62	-9.7	-9.7	-9.53	-9.53	-12.32	-12.32	-14.25	-14.25	-13.46	-13.46	-9.27	-9.27
-128	-9.88	-9.88	-10.14	-10.14	-9	-9	-11.61	-11.61	-15.1	-15.1	-14.42	-14.42	-8.06	-8.06
-127	-9.04	-9.04	-10.84	-10.84	-8.38	-8.38	-10.12	-10.12	-16.31	-16.31	-14.63	-14.63	-7.4	-7.4
-126	-8.29	-8.29	-11.59	-11.59	-7.92	-7.92	-8.59	-8.59	-17.63	-17.63	-13.65	-13.65	-7.23	-7.23
-125	-7.79	-7.79	-12.14	-12.14	-7.72	-7.72	-7.41	-7.41	-18.6	-18.6	-12.03	-12.03	-7.57	-7.57
-124	-7.53	-7.53	-12.24	-12.24	-7.81	-7.81	-6.63	-6.63	-18.66	-18.66	-10.47	-10.47	-8.45	-8.45
-123	-7.51	-7.51	-11.93	-11.93	-8.12	-8.12	-6.22	-6.22	-17.57	-17.57	-9.24	-9.24	-9.97	-9.97
-122	-7.74	-7.74	-11.45	-11.45	-8.54	-8.54	-6.14	-6.14	-15.86	-15.86	-8.42	-8.42	-12.27	-12.27
-121	-8.17	-8.17	-10.99	-10.99	-8.95	-8.95	-6.33	-6.33	-14.15	-14.15	-7.97	-7.97	-15.08	-15.08
-120	-8.79	-8.79	-10.64	-10.64	-9.28	-9.28	-6.76	-6.76	-12.78	-12.78	-7.88	-7.88	-15.99	-15.99
-119	-9.57	-9.57	-10.38	-10.38	-9.58	-9.58	-7.4	-7.4	-11.82	-11.82	-8.12	-8.12	-13.47	-13.47
-118	-10.47	-10.47	-10.2	-10.2	-9.91	-9.91	-8.3	-8.3	-11.27	-11.27	-8.71	-8.71	-10.63	-10.63
-117	-11.44	-11.44	-10.1	-10.1	-10.35	-10.35	-9.52	-9.52	-11.05	-11.05	-9.68	-9.68	-8.53	-8.53
-116	-12.4	-12.4	-10.1	-10.1	-10.88	-10.88	-11.11	-11.11	-11.09	-11.09	-11.14	-11.14	-7.05	-7.05
-115	-13.33	-13.33	-10.35	-10.35	-11.43	-11.43	-13.18	-13.18	-11.28	-11.28	-13.23	-13.23	-6.03	-6.03
-114	-14.24	-14.24	-10.94	-10.94	-12	-12	-15.66	-15.66	-11.58	-11.58	-16.12	-16.12	-5.29	-5.29
-113	-15.19	-15.19	-12.03	-12.03	-12.74	-12.74	-18.03	-18.03	-12	-12	-19.56	-19.56	-4.74	-4.74
-112	-16.13	-16.13	-13.8	-13.8	-13.89	-13.89	-18.85	-18.85	-12.69	-12.69	-20	-20.7	-4.32	-4.32
-111	-16.66	-16.66	-16.48	-16.48	-15.72	-15.72	-17.78	-17.78	-13.88	-13.88	-18.19	-18.19	-3.98	-3.98
-110	-16.45	-16.45	-20	-20.52	-18.35	-18.35	-16.26	-16.26	-15.81	-15.81	-15.57	-15.57	-3.75	-3.75
-109	-15.62	-15.62	-20	-26	-20	-20.82	-15	-15	-18.26	-18.26	-13.71	-13.71	-3.61	-3.61
-108	-14.7	-14.7	-20	-26.06	-20	-20.38	-14.09	-14.09	-18.78	-18.78	-12.44	-12.44	-3.59	-3.59
-107	-13.98	-13.98	-20	-21.83	-18.27	-18.27	-13.44	-13.44	-16.06	-16.06	-11.57	-11.57	-3.71	-3.71
-106	-13.56	-13.56	-19	-19	-16.79	-16.79	-13.02	-13.02	-13.2	-13.2	-10.95	-10.95	-3.99	-3.99
-105	-13.4	-13.4	-17.19	-17.19	-16.23	-16.23	-12.81	-12.81	-11.2	-11.2	-10.5	-10.5	-4.45	-4.45
-104	-13.38	-13.38	-15.93	-15.93	-16.44	-16.44	-12.79	-12.79	-9.97	-9.97	-10.18	-10.18	-5.06	-5.06
-103	-13.38	-13.38	-15.01	-15.01	-17.1	-17.1	-13.04	-13.04	-9.29	-9.29	-9.98	-9.98	-5.8	-5.8
-102	-13.24	-13.24	-14.26	-14.26	-17.71	-17.71	-13.59	-13.59	-8.92	-8.92	-9.87	-9.87	-6.58	-6.58
-101	-12.93	-12.93	-13.62	-13.62	-17.61	-17.61	-14.53	-14.53	-8.63	-8.63	-9.82	-9.82	-7.27	-7.27
-100	-12.58	-12.58	-13.02	-13.02	-16.7	-16.7	-16	-16	-8.2	-8.2	-9.77	-9.77	-7.76	-7.76
-99	-12.32	-12.32	-12.39	-12.39	-15.45	-15.45	-18.18	-18.18	-7.6	-7.6	-9.68	-9.68	-7.92	-7.92
-98	-12.33	-12.33	-11.73	-11.73	-14.35	-14.35	-20	-21.38	-6.97	-6.97	-9.5	-9.5	-7.79	-7.79
-97	-12.65	-12.65	-11.05	-11.05	-13.62	-13.62	-20	-26.27	-6.44	-6.44	-9.27	-9.27	-7.45	-7.45
-96	-13.3	-13.3	-10.4	-10.4	-13.3	-13.3	-20	-34.7	-6.12	-6.12	-9.01	-9.01	-7.07	-7.07
-95	-14.18	-14.18	-9.88	-9.88	-13.39	-13.39	-20	-36.8	-6.05	-6.05	-8.76	-8.76	-6.77	-6.77
-94	-15.07	-15.07	-9.5	-9.5	-13.82	-13.82	-20	-30.46	-6.19	-6.19	-8.54	-8.54	-6.56	-6.56
-93	-15.67	-15.67	-9.29	-9.29	-14.52	-14.52	-20	-27.1	-6.48	-6.48	-8.31	-8.31	-6.41	-6.41
-92	-15.66	-15.66	-9.18	-9.18	-15.45	-15.45	-20	-24.44	-6.78	-6.78	-8.03	-8.03	-6.18	-6.18
-91	-15	-15	-9.13	-9.13	-16.66	-16.66	-20	-22.04	-7.01	-7.01	-7.66	-7.66	-5.79	-5.79