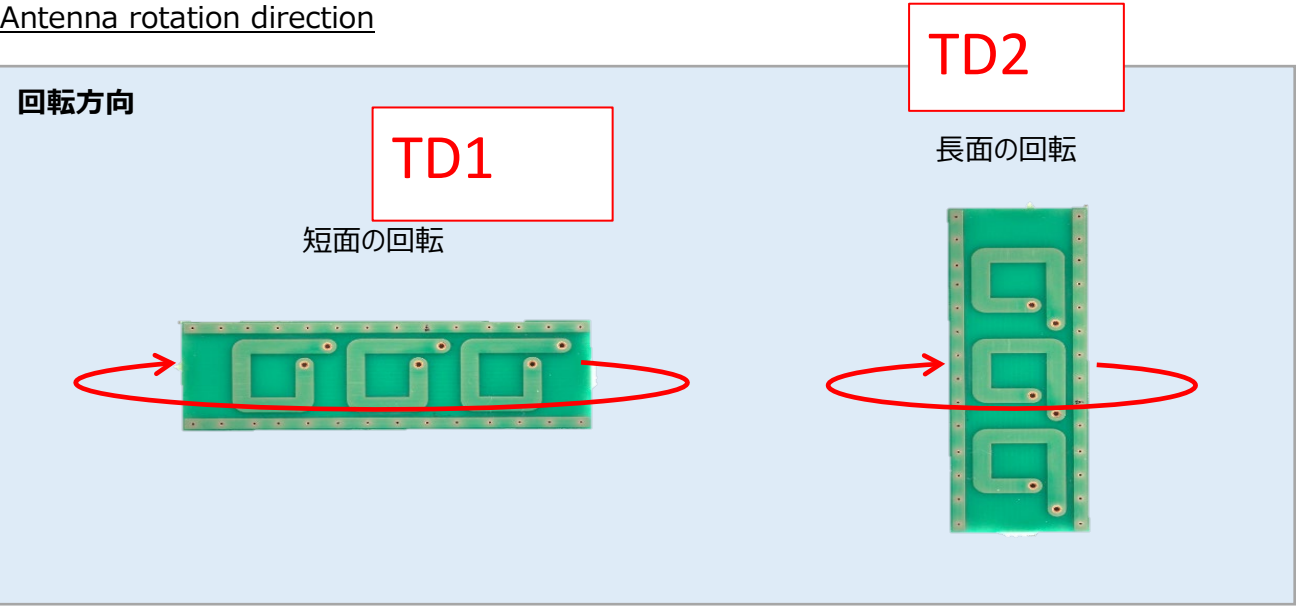


BV400T US

Antenna rotation direction



(1) Antenna info

RF Antenna : RAPTOR-RFID-ANT-AK



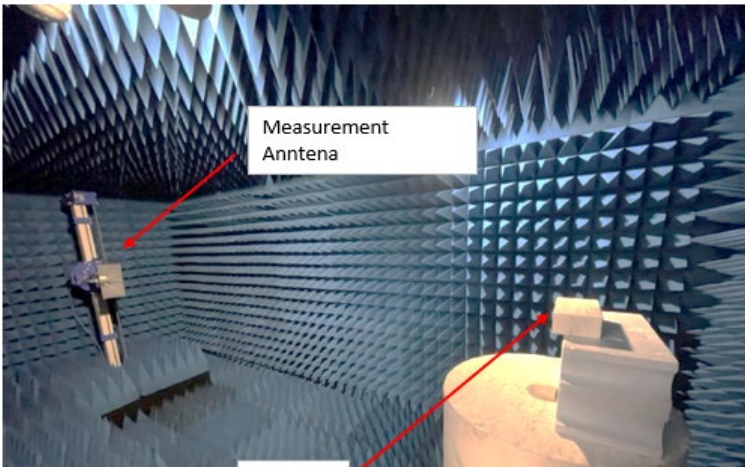
(2) Test Equipment used

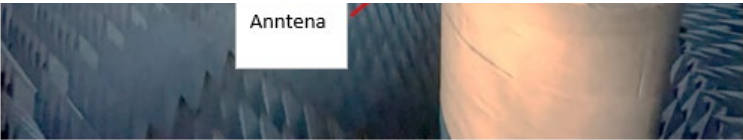
Vector network analyzer : Rohde & Schwarz ZVL6

Calibration date :	Nov.2022
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(3) Set up photographs





(5) Antenna Gain

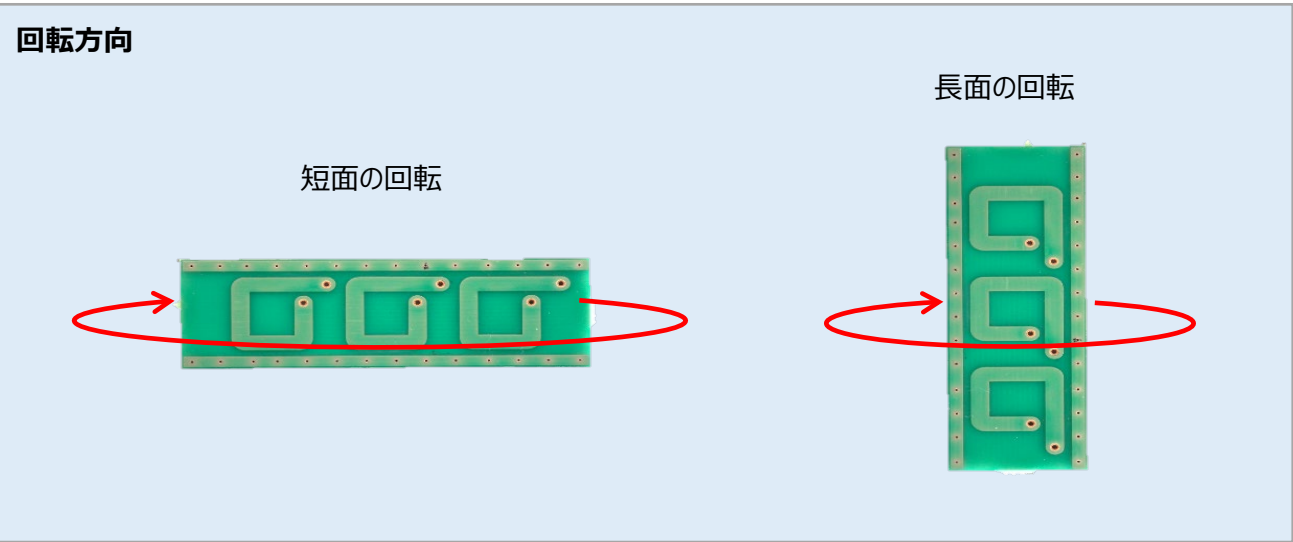
Antenna gain (Design Value) : (@902-928Mhz) -14dBi max

(4) Test method

(i) Measurement Frequency : 902MHz , 915MHz & 928MHz

(ii) Measurement Direction : Horizontal and Vertical

Antenna rotation direction



Maximum antenna gain : -18.0 dBi

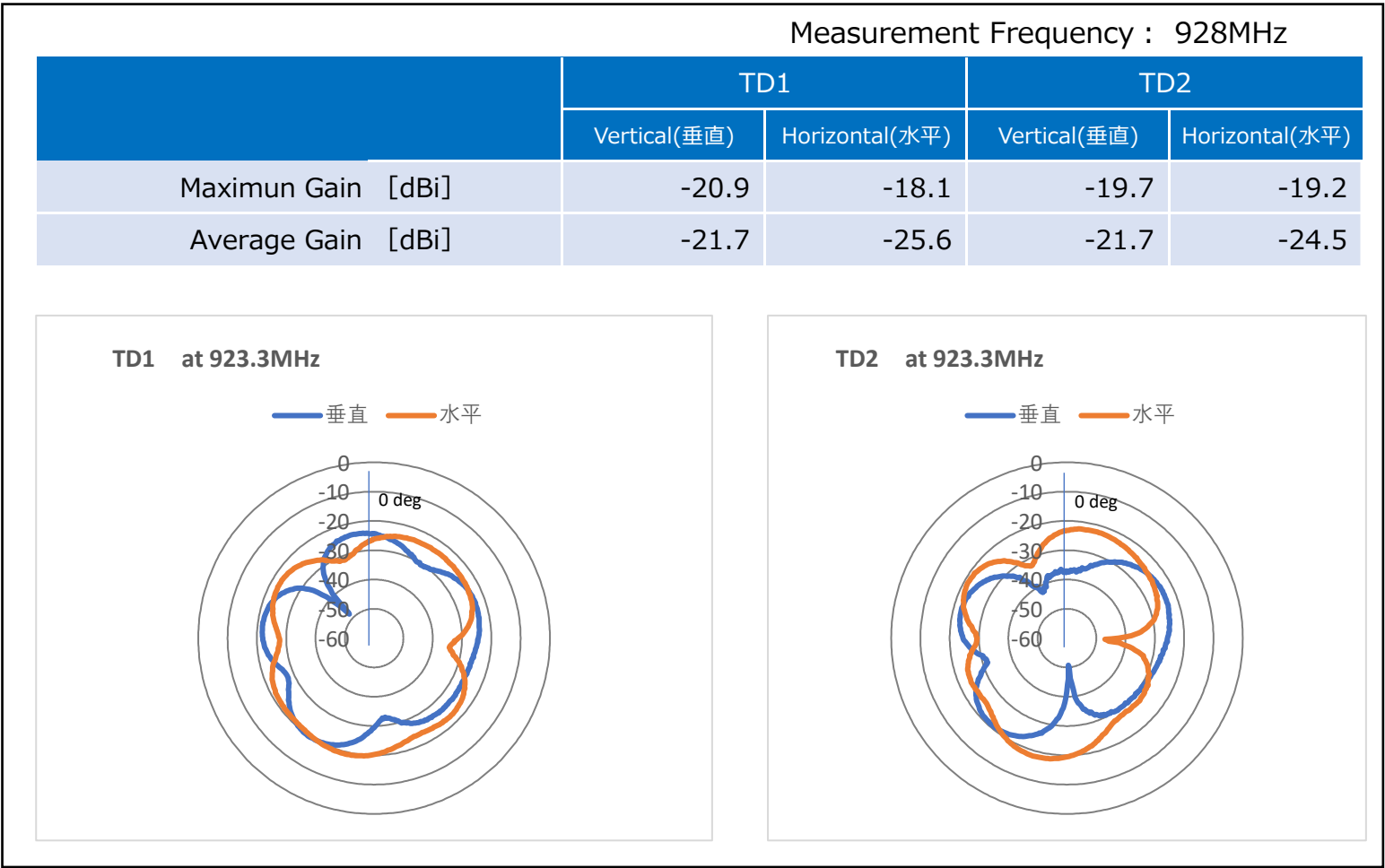
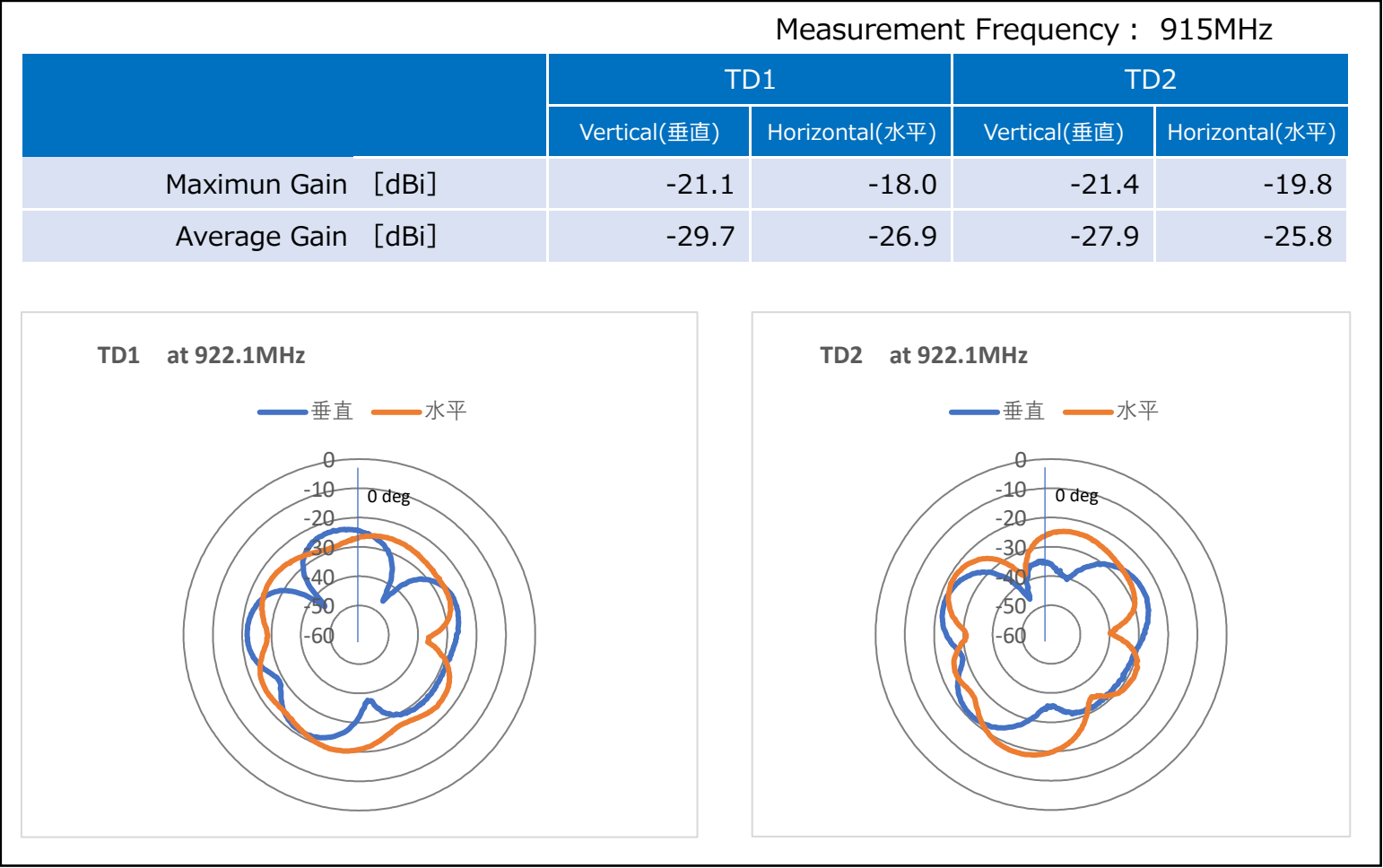
Measurement Frequency : 902MHz				
	TD1		TD2	
	Vertical(垂直)	Horizontal(水平)	Vertical(垂直)	Horizontal(水平)
Maximun Gain [dBi]	-21.3	-18.5	-21.9	-20.5
Average Gain [dBi]	-30.1	-27.9	-29.3	-26.7

TD1 at 920.9MHz

— 垂直 — 水平

TD2 at 920.9MHz

— 垂直 — 水平



Neasured Data

DT1						
Vertical			Horizontal			
	902MHz	915MHz	928MHz	902MHz	915MHz	928MHz
max	-21.9	-21.4	-19.7	-20.5	-19.8	-19.2

min	-54.8	-46.0	-48.2	-39.4	-36.5	-34.1
ave	-29.3	-27.9	-21.7	-26.7	-25.8	-24.5

#deg	Vertical			Horizontal		
	902MHz (V)	915MHz (V)	928MHz (V)	902MHz (H)	915MHz (H)	928MHz (H)
0	-25.9	-24.5	-24.3	-27.1	-26.6	-26.2
1	-25.8	-24.7	-24.5	-26.9	-26.5	-26.1
2	-26.1	-25.0	-24.7	-27.0	-26.5	-25.9
3	-26.2	-25.2	-24.8	-26.8	-26.5	-25.8
4	-26.5	-25.3	-25.1	-26.8	-26.1	-25.6
5	-26.5	-25.4	-25.0	-26.6	-26.2	-25.5
6	-26.8	-25.7	-25.3	-26.6	-26.1	-25.3
7	-27.0	-26.0	-25.4	-26.7	-26.0	-25.0
8	-27.4	-26.0	-25.4	-26.5	-25.9	-25.0
9	-27.6	-26.4	-25.9	-26.5	-25.8	-24.8
10	-27.8	-26.7	-25.9	-26.3	-25.8	-24.8
11	-28.2	-27.1	-25.9	-26.4	-25.8	-24.6
12	-28.6	-27.3	-26.3	-26.4	-25.6	-24.5
13	-28.8	-27.6	-26.4	-26.4	-25.6	-24.5
14	-29.4	-27.9	-26.6	-26.5	-25.6	-24.3
15	-29.9	-28.2	-26.8	-26.4	-25.6	-24.3
16	-30.2	-28.7	-27.0	-26.5	-25.5	-24.2
17	-30.9	-29.1	-27.2	-26.5	-25.5	-24.1
18	-31.1	-29.4	-27.5	-26.5	-25.5	-24.1
19	-31.3	-29.7	-27.7	-26.6	-25.5	-24.1
20	-32.2	-30.5	-28.1	-26.4	-25.5	-24.0
21	-32.9	-30.8	-28.2	-26.6	-25.6	-23.9
22	-33.5	-31.3	-28.5	-26.7	-25.6	-23.9
23	-34.6	-32.2	-28.9	-26.7	-25.5	-23.8
24	-34.9	-32.9	-28.7	-26.9	-25.6	-23.9
25	-36.4	-33.8	-29.2	-26.8	-25.6	-23.8
26	-37.4	-34.5	-29.2	-26.9	-25.6	-23.8
27	-38.6	-35.2	-29.7	-27.0	-25.5	-23.8
28	-40.0	-36.6	-29.9	-27.2	-25.7	-23.8
29	-42.8	-37.2	-30.2	-27.2	-25.9	-23.8
30	-43.4	-38.4	-30.1	-27.2	-25.8	-23.7
31	-47.2	-40.6	-29.9	-27.3	-25.9	-23.7
32	-53.2	-42.5	-30.4	-27.3	-25.9	-23.5
33	-54.8	-43.0	-30.3	-27.4	-26.0	-23.7
34	-49.3	-45.5	-30.2	-27.6	-26.0	-23.7
35	-46.6	-46.0	-30.4	-27.7	-26.2	-23.7
36	-44.5	-44.6	-30.0	-27.8	-26.0	-23.7

37	-41.6	-42.6	-29.9	-27.7	-26.2	-23.6
38	-40.4	-41.8	-29.7	-27.8	-26.2	-23.6
39	-38.6	-40.6	-29.7	-28.0	-26.3	-23.6
40	-37.3	-38.2	-29.4	-27.8	-26.4	-23.6
41	-36.0	-37.1	-29.0	-28.1	-26.5	-23.5
42	-35.2	-36.8	-28.8	-27.9	-26.5	-23.5
43	-34.5	-35.2	-28.6	-27.9	-26.5	-23.7
44	-33.5	-34.4	-28.3	-27.8	-26.5	-23.6
45	-33.3	-33.5	-27.9	-27.9	-26.7	-23.7
46	-32.6	-33.1	-27.7	-27.8	-26.6	-23.6
47	-32.3	-32.1	-27.4	-27.8	-26.7	-23.7
48	-31.4	-31.5	-27.1	-27.9	-26.8	-23.5
49	-31.2	-31.3	-26.6	-27.9	-26.6	-23.7
50	-30.7	-30.8	-26.5	-27.8	-26.9	-23.7
51	-30.4	-30.1	-26.1	-27.7	-26.8	-23.6
52	-29.9	-29.6	-26.0	-27.6	-27.0	-23.7
53	-29.5	-29.3	-25.9	-27.7	-26.9	-23.7
54	-29.2	-28.9	-25.6	-27.5	-26.9	-23.7
55	-28.7	-28.5	-25.2	-27.6	-26.6	-23.7
56	-28.7	-28.2	-25.1	-27.3	-27.0	-23.7
57	-28.5	-27.8	-25.0	-27.4	-27.0	-23.8
58	-27.9	-27.5	-24.7	-27.4	-26.8	-23.8
59	-27.9	-27.3	-24.5	-27.3	-27.0	-23.7
60	-27.8	-26.8	-24.4	-27.2	-26.8	-23.9
61	-27.7	-26.8	-24.2	-27.2	-26.8	-23.8
62	-27.5	-26.5	-24.1	-27.2	-26.8	-23.9
63	-27.3	-26.3	-24.1	-27.2	-26.8	-23.9
64	-27.0	-26.3	-23.9	-27.3	-26.8	-24.1
65	-27.2	-26.0	-23.8	-27.4	-26.8	-24.1
66	-27.1	-25.8	-23.6	-27.3	-26.8	-24.1
67	-26.9	-25.7	-23.5	-27.4	-26.9	-24.2
68	-26.8	-25.7	-23.6	-27.4	-27.0	-24.3
69	-26.6	-25.6	-23.5	-27.4	-27.0	-24.4
70	-26.8	-25.7	-23.4	-27.7	-27.0	-24.5
71	-26.9	-25.5	-23.4	-27.8	-27.3	-24.7
72	-26.8	-25.6	-23.5	-27.9	-27.2	-24.7
73	-26.9	-25.5	-23.5	-28.2	-27.6	-24.9
74	-27.2	-25.4	-23.4	-28.4	-27.5	-25.0
75	-26.9	-25.5	-23.5	-28.7	-27.7	-25.5
76	-27.0	-25.5	-23.5	-29.0	-28.0	-25.6
77	-27.3	-25.4	-23.4	-29.5	-28.3	-25.8
78	-27.2	-25.6	-23.6	-29.7	-28.5	-25.9
79	-27.4	-25.6	-23.5	-30.1	-28.8	-26.2

80	-27.5	-25.6	-23.7	-30.8	-29.0	-26.7
81	-27.6	-25.7	-23.7	-31.1	-29.5	-27.0
82	-27.8	-25.8	-23.9	-31.7	-29.9	-27.4
83	-27.8	-25.9	-23.9	-32.7	-30.4	-27.7
84	-28.0	-26.1	-23.9	-33.0	-31.0	-28.2
85	-28.2	-26.1	-23.9	-34.1	-31.5	-28.6
86	-28.4	-26.3	-24.0	-34.6	-32.0	-29.0
87	-28.5	-26.3	-24.1	-35.6	-32.6	-29.5
88	-28.8	-26.2	-24.2	-36.7	-33.5	-29.9
89	-29.1	-26.4	-24.4	-37.7	-34.2	-30.6
90	-29.0	-26.8	-24.5	-38.8	-34.8	-31.3
91	-29.3	-26.9	-24.6	-39.4	-35.4	-31.8
92	-29.1	-26.9	-24.6	-39.4	-36.4	-32.6
93	-29.5	-27.1	-24.8	-39.4	-36.2	-32.6
94	-29.7	-27.1	-24.9	-38.4	-36.4	-33.3
95	-29.8	-27.3	-24.9	-37.5	-36.3	-33.6
96	-29.9	-27.4	-25.1	-36.1	-36.5	-33.9
97	-30.0	-27.6	-25.2	-34.9	-35.8	-34.1
98	-30.1	-27.7	-25.3	-34.3	-34.8	-33.8
99	-30.3	-27.7	-25.5	-33.4	-34.0	-33.6
100	-30.4	-27.8	-25.6	-32.5	-33.4	-32.9
101	-30.5	-28.0	-25.4	-31.6	-32.7	-32.6
102	-30.3	-28.0	-25.8	-31.2	-32.3	-32.5
103	-30.6	-28.0	-25.9	-30.3	-31.7	-31.4
104	-30.4	-28.4	-25.8	-29.8	-31.1	-31.1
105	-30.6	-28.1	-26.1	-29.3	-30.0	-30.4
106	-30.6	-28.5	-25.9	-28.6	-29.6	-29.7
107	-30.6	-28.7	-25.9	-28.1	-29.2	-29.4
108	-30.6	-28.7	-26.2	-28.0	-28.7	-28.7
109	-30.4	-28.6	-26.1	-27.4	-28.2	-28.4
110	-30.6	-28.8	-26.3	-27.3	-27.9	-28.0
111	-30.5	-28.5	-26.1	-27.1	-27.4	-27.4
112	-30.6	-28.5	-26.4	-26.5	-27.1	-26.9
113	-30.5	-28.6	-26.3	-26.5	-26.7	-26.7
114	-30.5	-28.8	-26.3	-26.2	-26.5	-26.2
115	-30.3	-28.6	-26.2	-26.0	-26.0	-25.8
116	-30.3	-28.5	-26.4	-25.6	-25.8	-25.5
117	-30.2	-28.8	-26.4	-25.6	-25.5	-25.2
118	-30.4	-28.7	-26.3	-25.4	-25.3	-25.1
119	-30.3	-28.5	-26.2	-25.4	-25.2	-24.6
120	-30.3	-28.6	-26.4	-25.2	-24.8	-24.5
121	-30.2	-28.6	-26.2	-25.1	-24.8	-24.3
122	-30.3	-28.7	-26.3	-25.1	-24.6	-24.0

123	-30.2	-28.7	-26.3	-25.0	-24.5	-23.9
124	-30.3	-28.4	-26.3	-25.0	-24.5	-23.6
125	-30.3	-28.6	-26.0	-25.0	-24.3	-23.5
126	-30.3	-28.3	-26.2	-24.9	-24.3	-23.3
127	-30.3	-28.4	-26.2	-25.0	-24.2	-23.2
128	-30.0	-28.5	-26.1	-24.9	-24.1	-23.2
129	-30.4	-28.3	-26.3	-25.0	-24.1	-23.0
130	-30.6	-28.3	-26.4	-25.1	-24.1	-23.0
131	-30.3	-28.4	-26.4	-25.0	-24.0	-22.9
132	-30.4	-28.6	-26.3	-25.2	-24.0	-22.8
133	-30.4	-28.3	-26.4	-25.3	-23.9	-22.8
134	-30.6	-28.2	-26.3	-25.4	-24.1	-22.8
135	-30.5	-28.4	-26.4	-25.6	-24.2	-22.8
136	-30.7	-28.4	-26.2	-25.9	-24.2	-22.7
137	-30.7	-28.2	-26.3	-26.0	-24.3	-22.8
138	-30.8	-28.5	-26.5	-26.0	-24.5	-22.8
139	-31.1	-28.3	-26.3	-26.1	-24.5	-22.9
140	-31.0	-28.5	-26.5	-26.4	-24.7	-23.0
141	-31.0	-28.4	-26.5	-26.6	-24.8	-22.9
142	-31.3	-28.3	-26.6	-26.8	-25.0	-23.0
143	-31.3	-28.4	-26.7	-26.9	-25.1	-23.0
144	-31.4	-28.4	-26.6	-27.0	-25.3	-23.2
145	-31.6	-28.6	-26.8	-27.1	-25.4	-23.3
146	-31.9	-28.8	-26.8	-27.4	-25.5	-23.4
147	-31.9	-28.7	-26.8	-27.7	-25.6	-23.4
148	-32.1	-29.0	-27.1	-27.6	-25.7	-23.5
149	-32.2	-28.8	-26.9	-27.9	-25.9	-23.6
150	-32.6	-29.1	-27.2	-27.9	-25.9	-23.6
151	-32.5	-29.4	-27.4	-27.9	-26.1	-23.6
152	-32.9	-29.3	-27.4	-27.9	-26.1	-23.6
153	-33.1	-29.3	-27.6	-27.8	-26.1	-23.8
154	-33.3	-29.7	-27.7	-27.8	-26.2	-23.8
155	-33.5	-30.2	-28.0	-27.6	-26.1	-23.7
156	-34.2	-30.0	-28.1	-27.5	-26.1	-23.8
157	-34.6	-30.2	-28.3	-27.4	-26.0	-23.7
158	-34.7	-30.5	-28.9	-27.1	-25.9	-23.8
159	-35.8	-31.1	-29.0	-26.8	-25.6	-23.6
160	-36.2	-31.3	-29.3	-26.6	-25.4	-23.5
161	-36.9	-31.5	-29.6	-26.2	-25.3	-23.4
162	-37.5	-32.2	-29.5	-25.8	-24.9	-23.2
163	-37.8	-32.3	-30.2	-25.6	-24.9	-23.1
164	-39.5	-33.0	-30.7	-25.1	-24.6	-23.0
165	-38.9	-34.0	-30.9	-24.8	-24.3	-22.7

166	-40.7	-34.0	-31.3	-24.6	-24.1	-22.4
167	-40.7	-34.7	-31.4	-24.2	-23.7	-22.4
168	-41.1	-35.5	-31.8	-24.1	-23.6	-22.3
169	-41.5	-36.8	-32.1	-23.7	-23.2	-22.1
170	-42.0	-37.2	-32.3	-23.5	-23.0	-21.8
171	-40.2	-37.1	-32.3	-23.1	-22.7	-21.7
172	-39.8	-37.2	-32.8	-22.9	-22.5	-21.5
173	-38.7	-37.4	-32.3	-22.7	-22.1	-21.4
174	-37.8	-36.5	-32.6	-22.4	-21.9	-21.2
175	-36.7	-36.5	-32.0	-22.3	-21.7	-21.0
176	-35.2	-35.2	-31.7	-22.0	-21.6	-20.8
177	-34.1	-34.7	-31.1	-21.9	-21.3	-20.7
178	-33.7	-34.2	-30.6	-21.6	-21.1	-20.5
179	-32.8	-33.1	-30.0	-21.5	-20.9	-20.4
180	-31.7	-32.0	-29.4	-21.3	-20.9	-20.3
181	-31.3	-31.2	-29.2	-21.1	-20.7	-20.1
182	-30.2	-30.5	-28.3	-21.1	-20.5	-20.0
183	-29.6	-29.7	-27.9	-21.0	-20.4	-19.9
184	-28.9	-29.2	-27.3	-20.9	-20.3	-19.7
185	-28.5	-28.7	-26.8	-20.8	-20.2	-19.6
186	-27.7	-27.8	-26.2	-20.7	-20.1	-19.6
187	-27.5	-27.3	-25.7	-20.7	-20.1	-19.6
188	-27.2	-26.7	-25.2	-20.5	-19.9	-19.5
189	-26.6	-26.2	-24.7	-20.6	-19.9	-19.4
190	-26.3	-25.8	-24.3	-20.6	-19.9	-19.4
191	-25.7	-25.5	-24.0	-20.5	-19.9	-19.3
192	-25.4	-25.0	-23.5	-20.5	-19.8	-19.3
193	-25.0	-24.7	-23.2	-20.6	-19.8	-19.3
194	-24.7	-24.3	-22.8	-20.6	-19.9	-19.3
195	-24.4	-23.9	-22.5	-20.6	-19.8	-19.3
196	-24.1	-23.7	-22.2	-20.7	-19.9	-19.2
197	-23.9	-23.4	-22.0	-20.7	-20.0	-19.3
198	-23.6	-23.1	-21.7	-20.7	-20.1	-19.3
199	-23.3	-22.9	-21.4	-20.9	-20.2	-19.3
200	-23.2	-22.7	-21.2	-21.0	-20.2	-19.4
201	-23.0	-22.3	-21.0	-21.1	-20.3	-19.4
202	-22.8	-22.3	-20.8	-21.2	-20.5	-19.5
203	-22.5	-22.1	-20.6	-21.5	-20.5	-19.6
204	-22.5	-21.9	-20.5	-21.7	-20.7	-19.6
205	-22.4	-21.8	-20.3	-21.7	-20.9	-19.6
206	-22.3	-21.8	-20.2	-21.9	-21.0	-19.7
207	-22.1	-21.6	-20.1	-22.2	-21.1	-19.8
208	-22.2	-21.5	-20.0	-22.3	-21.3	-19.9

209	-22.1	-21.6	-20.0	-22.5	-21.5	-19.9
210	-22.1	-21.5	-19.8	-22.7	-21.7	-20.0
211	-22.0	-21.5	-19.9	-22.9	-21.8	-20.1
212	-21.9	-21.4	-19.9	-23.1	-22.0	-20.2
213	-22.1	-21.6	-19.7	-23.5	-22.1	-20.3
214	-22.1	-21.5	-19.8	-23.6	-22.3	-20.4
215	-22.3	-21.6	-19.9	-23.8	-22.3	-20.5
216	-22.2	-21.6	-19.9	-24.1	-22.5	-20.6
217	-22.2	-21.8	-19.9	-24.2	-22.6	-20.6
218	-22.4	-22.0	-20.0	-24.3	-22.9	-20.7
219	-22.6	-22.1	-20.2	-24.5	-23.0	-20.8
220	-22.7	-22.3	-20.2	-24.5	-23.0	-20.8
221	-22.9	-22.6	-20.3	-24.7	-23.1	-20.9
222	-23.1	-22.7	-20.6	-24.8	-23.3	-20.9
223	-23.2	-22.9	-20.7	-24.8	-23.3	-21.0
224	-23.5	-23.2	-20.9	-24.8	-23.1	-21.1
225	-23.7	-23.4	-21.1	-24.8	-23.4	-21.0
226	-24.1	-23.6	-21.3	-24.8	-23.3	-21.1
227	-24.5	-24.1	-21.7	-24.5	-23.4	-21.1
228	-24.8	-24.5	-21.9	-24.6	-23.2	-21.2
229	-25.1	-24.9	-22.2	-24.5	-23.3	-21.1
230	-25.6	-25.2	-22.5	-24.4	-23.3	-21.2
231	-26.0	-25.6	-22.8	-24.3	-23.1	-21.1
232	-26.4	-26.0	-23.2	-24.3	-23.1	-21.1
233	-26.6	-26.5	-23.6	-23.9	-23.1	-21.3
234	-27.1	-27.0	-23.8	-23.9	-23.0	-21.2
235	-27.5	-27.1	-24.5	-23.8	-23.1	-21.3
236	-27.8	-27.5	-24.8	-23.9	-22.8	-21.3
237	-28.0	-28.1	-25.2	-23.7	-22.9	-21.3
238	-28.5	-28.2	-25.6	-23.7	-22.9	-21.4
239	-28.5	-28.3	-25.9	-23.7	-22.9	-21.4
240	-29.0	-28.5	-26.4	-23.7	-23.0	-21.5
241	-29.0	-28.4	-26.7	-23.5	-22.9	-21.5
242	-29.0	-28.3	-27.2	-23.6	-23.0	-21.8
243	-28.6	-28.3	-27.3	-23.7	-23.0	-21.9
244	-28.7	-27.8	-27.5	-23.6	-23.1	-22.0
245	-28.3	-27.5	-27.7	-23.8	-23.2	-22.1
246	-28.0	-27.1	-27.7	-24.0	-23.2	-22.2
247	-27.5	-26.9	-27.6	-24.0	-23.4	-22.3
248	-27.3	-26.4	-27.6	-24.2	-23.5	-22.4
249	-27.1	-26.1	-27.4	-24.4	-23.7	-22.8
250	-26.5	-25.5	-27.1	-24.6	-23.9	-23.0
251	-26.2	-25.2	-26.9	-24.7	-24.1	-23.2

252	-26.0	-24.9	-26.5	-25.0	-24.3	-23.5
253	-25.6	-24.4	-26.2	-25.1	-24.7	-23.8
254	-25.4	-24.2	-25.8	-25.6	-24.8	-24.0
255	-25.0	-23.9	-25.3	-25.9	-25.1	-24.3
256	-24.7	-23.6	-25.1	-26.2	-25.5	-24.6
257	-24.4	-23.3	-24.7	-26.5	-25.7	-25.1
258	-24.2	-23.0	-24.4	-26.9	-26.1	-25.5
259	-24.0	-22.9	-24.0	-27.2	-26.4	-25.8
260	-23.9	-22.7	-23.9	-27.7	-26.8	-26.0
261	-23.6	-22.5	-23.5	-27.9	-27.0	-26.4
262	-23.5	-22.3	-23.3	-28.4	-27.3	-26.7
263	-23.3	-22.2	-23.1	-28.6	-27.7	-27.0
264	-23.2	-22.1	-22.9	-29.2	-28.0	-27.1
265	-23.1	-21.9	-22.6	-29.5	-28.2	-27.4
266	-22.8	-21.9	-22.5	-29.6	-28.4	-27.6
267	-22.9	-21.7	-22.4	-30.0	-28.4	-27.6
268	-22.7	-21.8	-22.2	-29.9	-28.4	-27.8
269	-22.7	-21.8	-22.0	-30.2	-28.7	-27.7
270	-22.7	-21.7	-22.1	-30.0	-28.7	-27.6
271	-22.7	-21.7	-21.8	-29.8	-28.4	-27.4
272	-22.6	-21.7	-21.8	-29.9	-28.4	-27.3
273	-22.5	-21.7	-21.8	-29.6	-28.2	-27.1
274	-22.6	-21.7	-21.8	-29.3	-28.2	-26.9
275	-22.6	-21.8	-21.7	-29.3	-27.7	-26.6
276	-22.7	-21.9	-21.7	-28.8	-27.5	-26.4
277	-22.8	-22.0	-21.7	-28.5	-27.3	-26.1
278	-22.8	-22.0	-21.6	-28.1	-27.0	-25.8
279	-22.7	-22.1	-21.8	-28.0	-26.9	-25.5
280	-22.9	-22.3	-21.8	-27.6	-26.6	-25.3
281	-23.1	-22.4	-21.9	-27.4	-26.4	-25.0
282	-23.1	-22.6	-22.0	-26.9	-26.1	-24.7
283	-23.3	-22.8	-22.1	-26.8	-26.0	-24.5
284	-23.4	-23.0	-22.2	-26.4	-25.8	-24.4
285	-23.7	-23.2	-22.3	-26.2	-25.4	-24.1
286	-23.8	-23.4	-22.4	-26.3	-25.4	-24.1
287	-24.0	-23.8	-22.5	-25.9	-25.3	-23.8
288	-24.3	-23.9	-22.7	-25.6	-25.1	-23.6
289	-24.5	-24.2	-23.0	-25.5	-25.0	-23.5
290	-24.9	-24.5	-23.2	-25.5	-25.0	-23.4
291	-25.1	-25.0	-23.5	-25.4	-24.9	-23.3
292	-25.4	-25.2	-23.7	-25.2	-24.6	-23.1
293	-25.8	-25.5	-24.0	-25.2	-24.6	-23.1
294	-26.1	-26.2	-24.4	-25.2	-24.6	-22.9

295	-26.6	-26.6	-24.7	-25.0	-24.6	-23.0
296	-26.9	-27.2	-25.1	-25.1	-24.5	-22.9
297	-27.4	-27.8	-25.6	-25.1	-24.4	-22.9
298	-27.7	-28.5	-25.9	-24.9	-24.4	-22.8
299	-28.5	-29.0	-26.5	-25.0	-24.4	-22.9
300	-28.8	-29.7	-26.9	-25.0	-24.4	-22.8
301	-29.7	-30.7	-27.7	-24.9	-24.4	-22.9
302	-30.3	-31.7	-28.1	-25.0	-24.5	-22.8
303	-31.2	-32.8	-28.8	-25.1	-24.5	-22.9
304	-32.0	-33.9	-29.5	-25.3	-24.5	-23.0
305	-33.1	-35.5	-30.3	-25.2	-24.7	-23.1
306	-34.2	-36.9	-31.3	-25.4	-24.6	-23.1
307	-35.4	-39.2	-32.3	-25.4	-24.7	-23.3
308	-36.9	-41.4	-33.7	-25.5	-24.9	-23.4
309	-39.0	-44.7	-35.3	-25.6	-24.9	-23.5
310	-40.4	-44.5	-37.0	-25.7	-25.1	-23.7
311	-43.8	-43.6	-38.4	-25.9	-25.1	-23.8
312	-46.3	-41.3	-41.7	-26.0	-25.1	-24.0
313	-45.3	-39.0	-44.3	-26.1	-25.3	-24.3
314	-43.1	-36.9	-48.2	-26.3	-25.4	-24.4
315	-40.6	-35.4	-47.3	-26.5	-25.6	-24.7
316	-38.7	-34.0	-42.8	-26.6	-25.9	-24.7
317	-36.9	-32.4	-39.2	-26.8	-25.8	-25.1
318	-35.8	-31.6	-37.7	-26.9	-26.0	-25.4
319	-34.5	-30.9	-35.9	-27.3	-26.1	-25.7
320	-33.3	-30.2	-34.3	-27.4	-26.2	-26.0
321	-32.3	-29.4	-33.3	-27.5	-26.5	-26.3
322	-31.8	-28.6	-32.2	-27.8	-26.6	-26.6
323	-30.8	-28.1	-31.3	-27.9	-26.8	-26.9
324	-30.1	-27.6	-30.3	-28.0	-26.9	-27.2
325	-29.5	-27.1	-29.7	-28.3	-27.0	-27.5
326	-29.0	-26.8	-29.0	-28.4	-27.2	-27.8
327	-28.4	-26.5	-28.5	-28.6	-27.3	-28.2
328	-28.1	-25.9	-27.8	-28.7	-27.6	-28.8
329	-27.7	-25.8	-27.5	-28.8	-27.6	-29.0
330	-27.3	-25.5	-27.2	-29.0	-27.9	-29.1
331	-26.9	-25.0	-26.7	-29.0	-27.9	-29.9
332	-26.4	-24.9	-26.3	-29.1	-28.2	-30.2
333	-26.3	-24.6	-26.1	-29.4	-28.3	-30.4
334	-26.1	-24.5	-25.7	-29.4	-28.4	-30.6
335	-26.0	-24.3	-25.5	-29.4	-28.6	-30.9
336	-25.8	-24.1	-25.2	-29.4	-28.5	-31.3
337	-25.5	-24.0	-25.1	-29.5	-28.8	-31.2

338	-25.4	-23.9	-24.9	-29.4	-28.9	-31.4
339	-25.2	-23.9	-24.5	-29.5	-28.8	-31.5
340	-25.2	-23.8	-24.7	-29.3	-28.8	-31.5
341	-25.0	-23.6	-24.4	-29.3	-28.9	-31.2
342	-24.8	-23.6	-24.3	-29.2	-28.8	-31.1
343	-24.8	-23.5	-24.3	-29.2	-28.9	-30.7
344	-24.8	-23.6	-24.1	-29.1	-28.9	-30.8
345	-24.7	-23.5	-24.2	-29.2	-28.8	-30.5
346	-24.7	-23.3	-24.0	-28.9	-28.7	-30.3
347	-24.8	-23.6	-23.9	-28.8	-28.6	-30.0
348	-24.7	-23.7	-23.9	-28.6	-28.5	-29.5
349	-24.8	-23.6	-23.9	-28.5	-28.3	-29.2
350	-24.8	-23.6	-24.0	-28.3	-28.1	-29.0
351	-24.7	-23.7	-24.0	-28.3	-28.0	-28.7
352	-24.9	-23.6	-24.0	-28.0	-28.0	-28.3
353	-25.0	-23.9	-24.1	-28.0	-27.8	-28.0
354	-25.0	-23.8	-24.0	-27.8	-27.5	-27.7
355	-25.1	-23.9	-24.1	-27.6	-27.7	-27.4
356	-25.3	-24.1	-24.1	-27.6	-27.1	-27.3
357	-25.3	-24.1	-24.2	-27.5	-27.4	-26.8
358	-25.5	-24.3	-24.4	-27.4	-27.0	-26.8
359	-25.7	-24.4	-24.5	-27.2	-27.1	-26.5

max	-21.3	-21.1	-20.9	-18.5	-18.0	-18.1
min	-49.7	-45.9	-50.8	-42.7	-39.9	-47.0
ave	-30.1	-29.7	-21.7	-27.9	-26.9	-25.6

	Vertical			Horizontal		
	902MHz (V)	915MHz (V)	928MHz (V)	902MHz (H)	915MHz (H)	928MHz (H)
0	-41.9	-35.8	-37.0	-28.1	-25.3	-23.2
1	-44.7	-36.3	-37.4	-28.0	-25.1	-23.2
2	-43.7	-36.9	-37.4	-27.7	-25.0	-22.9
3	-44.7	-37.3	-36.7	-27.3	-25.1	-22.9
4	-45.8	-37.3	-37.1	-27.5	-24.8	-22.8
5	-46.2	-38.3	-36.8	-27.2	-24.7	-22.7
6	-46.8	-38.4	-36.5	-27.1	-24.6	-22.5
7	-47.7	-38.4	-36.8	-27.0	-24.4	-22.4
8	-49.7	-37.9	-37.3	-26.7	-24.4	-22.5
9	-48.0	-39.4	-36.9	-26.8	-24.3	-22.5
10	-46.3	-39.2	-36.1	-26.8	-24.3	-22.4
11	-45.0	-39.6	-36.6	-26.7	-24.2	-22.3

12	-43.2	-39.6	-35.4	-26.9	-24.4	-22.4
13	-43.1	-39.7	-35.7	-26.7	-24.3	-22.3
14	-42.2	-39.8	-35.6	-26.7	-24.3	-22.3
15	-40.9	-40.0	-35.5	-26.4	-24.3	-22.3
16	-40.3	-40.4	-35.1	-26.8	-24.4	-22.3
17	-39.4	-39.5	-34.7	-26.8	-24.3	-22.4
18	-37.9	-39.3	-33.8	-26.8	-24.3	-22.3
19	-37.0	-39.2	-34.0	-26.8	-24.4	-22.4
20	-36.7	-38.3	-33.5	-26.8	-24.3	-22.4
21	-35.8	-37.7	-33.1	-26.7	-24.5	-22.5
22	-35.4	-36.9	-32.9	-26.9	-24.5	-22.5
23	-35.1	-36.3	-32.4	-27.1	-24.6	-22.6
24	-34.5	-35.9	-31.9	-27.0	-24.8	-22.7
25	-33.5	-35.5	-31.6	-27.1	-24.8	-22.6
26	-32.9	-34.7	-31.3	-27.1	-24.8	-22.7
27	-32.9	-34.2	-30.9	-27.2	-24.9	-22.9
28	-32.3	-33.8	-30.5	-27.3	-25.2	-22.8
29	-31.8	-33.4	-30.3	-27.5	-25.2	-22.9
30	-31.2	-32.8	-30.0	-27.4	-25.3	-23.1
31	-30.7	-32.4	-29.7	-27.4	-25.4	-23.1
32	-30.5	-32.0	-29.3	-27.8	-25.6	-23.1
33	-30.0	-31.2	-29.0	-27.6	-25.6	-23.2
34	-29.8	-31.0	-28.7	-27.7	-25.8	-23.3
35	-29.4	-30.8	-28.4	-27.6	-25.8	-23.3
36	-29.2	-30.1	-27.9	-27.6	-26.0	-23.5
37	-28.9	-29.7	-27.9	-27.8	-26.0	-23.6
38	-28.8	-29.7	-27.5	-27.8	-26.3	-23.6
39	-28.3	-29.2	-27.4	-27.9	-26.3	-23.7
40	-28.1	-29.0	-27.0	-27.9	-26.4	-23.8
41	-27.7	-28.8	-26.8	-28.0	-26.5	-23.8
42	-27.7	-28.4	-26.7	-27.8	-26.7	-24.0
43	-27.5	-28.2	-26.4	-27.8	-26.6	-24.0
44	-27.4	-27.8	-26.2	-27.9	-26.7	-24.2
45	-27.1	-27.6	-25.9	-27.8	-27.0	-24.3
46	-26.8	-27.3	-25.7	-27.8	-26.8	-24.3
47	-26.6	-27.1	-25.5	-28.0	-27.0	-24.4
48	-26.5	-27.1	-25.4	-27.9	-27.2	-24.4
49	-26.4	-26.7	-25.1	-27.9	-27.0	-24.6
50	-26.3	-26.7	-25.0	-28.0	-27.2	-24.6
51	-26.0	-26.2	-24.9	-28.0	-27.3	-24.7
52	-25.9	-26.5	-24.6	-27.9	-27.4	-24.8
53	-26.0	-26.2	-24.6	-28.0	-27.3	-24.8
54	-25.8	-26.0	-24.5	-28.1	-27.6	-25.0

55	-25.7	-25.8	-24.4	-28.0	-27.6	-25.0
56	-25.7	-25.8	-24.2	-28.0	-27.6	-25.0
57	-25.5	-25.6	-24.2	-28.3	-27.8	-25.2
58	-25.5	-25.5	-23.9	-28.2	-27.6	-25.3
59	-25.6	-25.4	-24.0	-28.2	-27.8	-25.4
60	-25.5	-25.3	-24.0	-28.4	-28.0	-25.5
61	-25.5	-25.3	-23.7	-28.6	-28.1	-25.7
62	-25.3	-25.2	-23.7	-28.8	-28.2	-25.8
63	-25.4	-25.2	-23.7	-28.9	-28.3	-25.9
64	-25.3	-25.2	-23.6	-29.0	-28.5	-26.2
65	-25.6	-25.2	-23.7	-29.1	-28.7	-26.1
66	-25.5	-25.1	-23.7	-29.7	-28.8	-26.4
67	-25.7	-25.1	-23.7	-29.8	-28.8	-26.6
68	-25.7	-25.0	-23.7	-30.1	-29.2	-26.7
69	-25.8	-25.0	-23.8	-30.7	-29.3	-26.9
70	-25.8	-25.1	-23.7	-30.8	-29.5	-27.1
71	-25.9	-25.3	-23.8	-31.2	-29.9	-27.3
72	-26.1	-25.4	-23.7	-31.8	-30.1	-27.5
73	-26.2	-25.4	-23.9	-32.4	-30.6	-28.0
74	-26.4	-25.6	-23.9	-32.7	-30.8	-28.2
75	-26.6	-25.6	-24.0	-33.3	-31.4	-28.4
76	-26.9	-25.6	-24.2	-33.7	-32.0	-29.0
77	-26.9	-25.9	-24.1	-35.2	-32.6	-29.1
78	-27.1	-26.0	-24.3	-35.7	-32.9	-29.7
79	-27.4	-26.1	-24.4	-36.7	-33.9	-30.3
80	-27.5	-26.4	-24.4	-37.7	-34.1	-31.1
81	-27.8	-26.6	-24.6	-39.1	-34.9	-31.7
82	-28.1	-26.6	-24.6	-40.5	-36.0	-32.2
83	-28.2	-26.7	-24.8	-40.3	-36.3	-33.0
84	-28.5	-27.1	-25.0	-42.7	-37.4	-33.9
85	-28.8	-27.3	-24.9	-41.7	-38.1	-34.6
86	-29.1	-27.4	-25.0	-42.3	-38.0	-35.4
87	-29.1	-27.8	-25.2	-41.0	-38.9	-36.9
88	-29.5	-28.0	-25.3	-39.6	-39.7	-38.1
89	-29.5	-27.9	-25.5	-38.6	-39.9	-40.0
90	-29.9	-28.5	-25.7	-37.6	-38.7	-42.3
91	-30.2	-28.6	-25.8	-36.5	-38.5	-44.9
92	-30.4	-28.5	-25.7	-35.3	-37.7	-47.0
93	-30.4	-28.8	-26.2	-34.6	-36.8	-46.4
94	-30.6	-29.2	-26.3	-33.8	-35.8	-45.6
95	-30.5	-29.3	-26.4	-32.8	-35.3	-41.7
96	-31.0	-29.5	-26.3	-32.2	-34.2	-41.5
97	-31.0	-29.7	-26.9	-31.6	-33.5	-40.2

98	-30.9	-29.8	-26.9	-31.1	-33.1	-38.4
99	-31.2	-30.1	-26.9	-30.9	-32.3	-37.3
100	-30.9	-30.6	-27.1	-30.0	-32.0	-36.4
101	-31.4	-30.5	-27.5	-30.1	-31.2	-35.0
102	-31.2	-30.7	-27.3	-29.8	-30.8	-34.3
103	-31.4	-30.7	-27.6	-29.5	-30.6	-33.1
104	-31.2	-31.0	-27.4	-29.2	-30.2	-33.0
105	-31.2	-31.0	-27.8	-28.7	-29.8	-32.7
106	-31.1	-31.2	-27.8	-28.7	-29.6	-32.1
107	-31.0	-30.9	-28.0	-28.6	-29.1	-31.7
108	-31.1	-31.1	-28.0	-28.3	-29.3	-31.2
109	-31.1	-31.2	-28.1	-28.2	-29.1	-30.8
110	-30.8	-31.2	-28.2	-28.3	-28.8	-30.6
111	-30.5	-31.3	-28.3	-28.2	-28.4	-30.3
112	-30.6	-31.4	-28.4	-28.2	-28.5	-30.1
113	-30.8	-31.4	-28.6	-28.3	-28.6	-29.8
114	-30.8	-31.3	-28.6	-28.3	-28.4	-29.3
115	-30.8	-31.5	-28.7	-28.4	-28.3	-29.3
116	-30.9	-31.6	-28.9	-28.5	-28.3	-29.2
117	-30.9	-31.7	-28.9	-28.4	-28.2	-28.7
118	-30.8	-31.6	-29.0	-28.3	-28.2	-28.7
119	-30.8	-31.8	-29.1	-28.8	-28.3	-28.5
120	-30.7	-31.3	-29.1	-28.6	-28.5	-27.9
121	-30.9	-31.5	-29.3	-28.8	-28.5	-28.3
122	-30.9	-31.2	-29.4	-28.9	-28.6	-28.0
123	-31.3	-31.5	-29.5	-29.1	-28.6	-28.0
124	-31.2	-31.8	-29.5	-29.4	-28.7	-28.0
125	-31.1	-31.8	-29.2	-29.6	-28.8	-27.7
126	-31.4	-31.7	-29.5	-29.8	-28.8	-27.6
127	-31.4	-31.5	-29.6	-30.2	-28.9	-27.6
128	-31.7	-31.7	-29.5	-30.6	-28.9	-27.6
129	-31.4	-32.0	-29.9	-30.7	-29.2	-27.6
130	-31.4	-31.8	-29.7	-30.9	-29.5	-27.3
131	-31.6	-31.9	-29.5	-31.1	-29.4	-27.2
132	-32.0	-31.7	-29.7	-31.4	-29.8	-27.5
133	-31.9	-31.7	-29.8	-32.2	-30.1	-27.4
134	-31.6	-31.8	-29.9	-32.5	-30.5	-27.5
135	-31.9	-31.4	-29.9	-33.0	-30.6	-27.5
136	-31.7	-31.8	-29.8	-33.7	-31.1	-27.7
137	-31.9	-32.0	-29.8	-34.3	-31.3	-27.6
138	-32.0	-31.9	-30.1	-34.6	-31.8	-27.5
139	-31.8	-31.3	-30.0	-35.4	-32.0	-27.5
140	-32.1	-31.9	-29.9	-36.3	-32.4	-27.7

141	-32.0	-31.8	-30.0	-37.4	-33.1	-27.9
142	-32.4	-31.5	-30.0	-38.3	-33.1	-27.8
143	-31.8	-31.7	-30.1	-39.0	-33.9	-27.7
144	-32.0	-31.7	-30.1	-39.4	-33.7	-27.7
145	-32.0	-31.4	-29.8	-39.4	-33.8	-27.8
146	-31.9	-31.6	-30.1	-40.1	-34.4	-27.7
147	-32.1	-31.4	-30.0	-38.7	-34.6	-27.6
148	-32.0	-31.4	-30.3	-38.2	-34.1	-27.4
149	-32.1	-31.2	-30.8	-37.3	-34.1	-27.3
150	-32.0	-31.6	-30.4	-36.3	-33.6	-27.4
151	-31.9	-31.2	-30.6	-35.3	-33.4	-27.1
152	-32.0	-31.6	-30.6	-34.2	-32.9	-27.0
153	-31.9	-31.5	-30.6	-33.2	-31.9	-26.7
154	-32.0	-31.6	-31.1	-32.4	-31.4	-26.5
155	-31.7	-31.8	-30.8	-31.4	-30.6	-26.1
156	-31.2	-31.4	-31.3	-30.7	-29.9	-25.9
157	-31.8	-31.6	-31.1	-29.9	-29.2	-25.4
158	-31.7	-31.6	-31.6	-29.2	-28.8	-25.2
159	-31.7	-31.7	-32.1	-28.4	-28.0	-24.9
160	-31.8	-31.6	-32.1	-28.0	-27.4	-24.7
161	-31.6	-31.8	-32.8	-27.4	-27.0	-24.2
162	-31.8	-32.1	-33.4	-26.6	-26.2	-24.0
163	-31.3	-31.9	-33.2	-26.2	-25.9	-23.6
164	-31.7	-32.2	-33.9	-25.8	-25.3	-23.4
165	-31.4	-31.8	-34.2	-25.2	-24.8	-23.0
166	-31.7	-32.5	-35.0	-24.8	-24.4	-22.6
167	-31.7	-32.7	-35.1	-24.3	-23.8	-22.3
168	-31.6	-33.0	-36.3	-24.0	-23.5	-22.1
169	-31.6	-32.8	-37.1	-23.6	-23.0	-21.8
170	-31.8	-33.3	-37.6	-23.1	-22.6	-21.5
171	-31.6	-33.2	-38.2	-22.7	-22.2	-21.2
172	-31.8	-34.0	-39.7	-22.4	-22.0	-21.0
173	-32.1	-33.9	-42.2	-22.1	-21.6	-20.8
174	-32.1	-34.5	-44.8	-21.8	-21.3	-20.6
175	-32.4	-34.6	-46.1	-21.6	-21.0	-20.3
176	-32.3	-34.8	-50.0	-21.2	-20.7	-20.1
177	-32.8	-35.4	-50.8	-21.0	-20.5	-20.0
178	-32.8	-35.6	-46.1	-20.8	-20.2	-19.8
179	-32.9	-35.6	-44.3	-20.5	-19.9	-19.5
180	-32.9	-35.0	-41.8	-20.3	-19.7	-19.4
181	-33.0	-35.4	-39.9	-20.0	-19.5	-19.3
182	-33.0	-35.0	-38.0	-19.9	-19.3	-19.1
183	-33.1	-35.6	-36.0	-19.7	-19.1	-18.9

184	-32.9	-34.4	-35.4	-19.6	-19.0	-18.8
185	-32.9	-34.7	-34.0	-19.3	-18.8	-18.8
186	-32.9	-34.1	-32.6	-19.3	-18.7	-18.7
187	-32.9	-34.0	-32.1	-19.2	-18.5	-18.5
188	-32.5	-33.5	-31.3	-19.0	-18.5	-18.5
189	-32.5	-32.9	-30.4	-19.0	-18.3	-18.4
190	-32.2	-32.0	-29.5	-18.9	-18.3	-18.4
191	-31.3	-31.4	-28.9	-18.7	-18.2	-18.3
192	-31.3	-31.0	-28.5	-18.7	-18.1	-18.2
193	-31.2	-30.5	-27.7	-18.6	-18.1	-18.2
194	-30.3	-30.0	-27.2	-18.6	-18.0	-18.2
195	-29.9	-29.4	-26.4	-18.6	-18.0	-18.2
196	-29.7	-28.9	-26.3	-18.6	-18.0	-18.1
197	-29.3	-28.3	-25.8	-18.6	-18.0	-18.2
198	-28.7	-27.8	-25.4	-18.5	-18.0	-18.3
199	-28.1	-27.2	-24.9	-18.5	-18.1	-18.3
200	-27.6	-27.0	-24.5	-18.6	-18.1	-18.4
201	-27.2	-26.5	-24.4	-18.7	-18.2	-18.5
202	-26.9	-26.0	-23.9	-18.7	-18.3	-18.5
203	-26.4	-25.6	-23.6	-18.9	-18.3	-18.6
204	-25.9	-25.3	-23.2	-19.0	-18.4	-18.7
205	-25.5	-24.9	-22.9	-19.0	-18.6	-18.8
206	-25.3	-24.5	-22.7	-19.3	-18.7	-18.9
207	-24.8	-24.1	-22.4	-19.4	-18.8	-19.2
208	-24.5	-23.9	-22.3	-19.5	-18.9	-19.3
209	-24.2	-23.5	-22.1	-19.7	-19.2	-19.4
210	-23.8	-23.2	-21.8	-20.0	-19.4	-19.6
211	-23.6	-23.0	-21.6	-20.1	-19.6	-19.9
212	-23.3	-22.6	-21.5	-20.5	-19.8	-20.1
213	-23.1	-22.4	-21.4	-20.7	-20.1	-20.3
214	-22.8	-22.3	-21.3	-21.0	-20.3	-20.5
215	-22.6	-22.2	-21.2	-21.3	-20.6	-20.8
216	-22.4	-22.0	-21.1	-21.6	-21.0	-21.0
217	-22.1	-21.7	-21.1	-21.9	-21.3	-21.3
218	-22.0	-21.6	-20.9	-22.3	-21.6	-21.5
219	-21.9	-21.5	-20.9	-22.6	-22.0	-21.8
220	-21.7	-21.4	-20.9	-23.0	-22.3	-22.1
221	-21.6	-21.3	-20.9	-23.4	-22.7	-22.5
222	-21.6	-21.2	-20.9	-23.7	-23.1	-22.7
223	-21.5	-21.1	-20.9	-24.2	-23.5	-23.1
224	-21.5	-21.2	-20.9	-24.6	-23.9	-23.2
225	-21.3	-21.1	-21.0	-25.1	-24.2	-23.6
226	-21.3	-21.1	-21.0	-25.5	-24.6	-23.9

227	-21.3	-21.1	-21.1	-25.9	-24.8	-24.0
228	-21.3	-21.1	-21.2	-26.2	-25.3	-24.2
229	-21.3	-21.2	-21.3	-26.4	-25.6	-24.4
230	-21.4	-21.3	-21.5	-26.8	-25.9	-24.5
231	-21.4	-21.3	-21.6	-27.1	-26.0	-24.7
232	-21.5	-21.5	-21.9	-27.0	-26.0	-24.7
233	-21.6	-21.6	-22.1	-27.1	-26.2	-24.7
234	-21.7	-21.8	-22.3	-27.1	-26.2	-24.7
235	-22.0	-22.0	-22.5	-27.3	-26.1	-24.6
236	-22.0	-22.3	-22.7	-27.1	-26.1	-24.5
237	-22.4	-22.3	-23.1	-26.9	-25.9	-24.6
238	-22.5	-22.6	-23.4	-26.8	-25.9	-24.5
239	-22.7	-22.9	-23.7	-26.7	-25.7	-24.6
240	-23.0	-23.2	-24.2	-26.4	-25.5	-24.4
241	-23.4	-23.5	-24.5	-26.2	-25.3	-24.2
242	-23.6	-23.9	-25.1	-26.0	-25.2	-24.3
243	-24.0	-24.3	-25.6	-26.0	-25.1	-24.1
244	-24.4	-24.7	-26.1	-25.8	-25.0	-24.1
245	-24.6	-25.0	-26.7	-25.8	-24.9	-24.0
246	-25.1	-25.4	-27.5	-25.7	-24.8	-24.0
247	-25.5	-25.8	-28.1	-25.8	-24.9	-24.1
248	-26.0	-26.3	-28.3	-25.7	-24.9	-24.1
249	-26.3	-26.8	-29.2	-25.6	-24.7	-24.2
250	-26.7	-27.2	-29.9	-25.7	-24.9	-24.3
251	-27.3	-27.7	-30.5	-25.7	-25.0	-24.4
252	-27.7	-28.0	-31.1	-26.0	-25.3	-24.4
253	-28.2	-28.3	-31.7	-26.2	-25.2	-24.6
254	-28.5	-28.6	-31.4	-26.2	-25.5	-24.8
255	-29.1	-28.7	-31.6	-26.5	-25.7	-25.1
256	-29.1	-28.6	-31.3	-26.9	-25.9	-25.3
257	-29.2	-28.5	-30.7	-26.9	-26.3	-25.5
258	-29.3	-28.4	-30.7	-27.3	-26.7	-25.9
259	-29.3	-28.2	-30.0	-27.8	-27.1	-26.2
260	-29.2	-27.8	-29.2	-28.2	-27.5	-26.3
261	-28.8	-27.5	-28.6	-28.3	-27.8	-26.9
262	-28.6	-27.2	-28.1	-29.0	-28.5	-27.1
263	-28.1	-26.8	-27.4	-29.6	-28.8	-27.6
264	-27.9	-26.2	-27.0	-30.2	-29.0	-28.0
265	-27.3	-25.9	-26.5	-30.5	-29.6	-28.4
266	-27.1	-25.5	-26.1	-31.0	-30.4	-28.9
267	-26.7	-25.2	-25.6	-31.6	-30.5	-29.0
268	-26.2	-24.8	-25.3	-31.7	-30.9	-29.2
269	-25.8	-24.4	-24.8	-32.0	-30.9	-29.3

270	-25.6	-24.2	-24.5	-32.2	-30.9	-29.3
271	-25.1	-23.9	-24.3	-32.1	-30.7	-29.1
272	-24.7	-23.6	-24.0	-31.9	-30.6	-29.0
273	-24.4	-23.3	-23.9	-31.3	-30.1	-28.9
274	-24.2	-23.1	-23.6	-30.4	-29.5	-28.4
275	-23.9	-22.9	-23.6	-30.4	-29.0	-27.7
276	-23.8	-22.8	-23.3	-29.5	-28.2	-27.5
277	-23.5	-22.5	-23.2	-29.1	-27.6	-27.2
278	-23.4	-22.5	-23.2	-28.4	-27.1	-26.5
279	-23.2	-22.3	-23.0	-27.8	-26.8	-26.1
280	-23.1	-22.2	-22.9	-27.4	-26.0	-25.6
281	-22.9	-22.2	-22.9	-26.7	-25.5	-25.2
282	-22.8	-22.0	-22.8	-26.2	-25.2	-24.9
283	-22.7	-22.0	-22.8	-25.7	-24.8	-24.5
284	-22.7	-22.0	-22.8	-25.3	-24.4	-24.1
285	-22.7	-22.0	-22.7	-25.0	-24.1	-23.8
286	-22.5	-21.9	-22.7	-24.6	-23.7	-23.4
287	-22.5	-22.0	-22.9	-24.2	-23.4	-23.0
288	-22.5	-22.1	-22.9	-23.8	-23.1	-22.9
289	-22.6	-22.1	-22.9	-23.6	-22.8	-22.7
290	-22.5	-22.1	-22.9	-23.3	-22.6	-22.4
291	-22.7	-22.3	-22.9	-23.1	-22.4	-22.3
292	-22.7	-22.3	-23.2	-23.0	-22.3	-22.0
293	-22.8	-22.5	-23.4	-22.7	-22.1	-21.9
294	-23.0	-22.7	-23.3	-22.6	-22.0	-21.7
295	-23.0	-22.7	-23.5	-22.5	-21.8	-21.6
296	-23.1	-22.9	-23.8	-22.3	-21.7	-21.6
297	-23.4	-23.2	-24.0	-22.2	-21.5	-21.4
298	-23.4	-23.2	-24.2	-22.1	-21.6	-21.4
299	-23.6	-23.5	-24.4	-22.1	-21.6	-21.3
300	-23.7	-23.7	-24.6	-22.0	-21.6	-21.3
301	-24.0	-23.8	-24.8	-22.0	-21.6	-21.4
302	-24.2	-24.3	-25.1	-22.1	-21.6	-21.4
303	-24.5	-24.6	-25.4	-22.1	-21.7	-21.4
304	-24.7	-24.9	-25.6	-22.1	-21.8	-21.6
305	-24.9	-25.1	-26.1	-22.2	-22.0	-21.5
306	-25.3	-25.7	-26.2	-22.2	-22.0	-21.7
307	-25.6	-25.8	-26.7	-22.3	-22.2	-21.9
308	-26.0	-26.2	-26.9	-22.5	-22.4	-22.0
309	-26.3	-26.8	-27.4	-22.6	-22.5	-22.2
310	-26.5	-27.1	-27.7	-22.8	-22.7	-22.4
311	-27.0	-27.9	-28.3	-22.9	-22.9	-22.6
312	-27.5	-28.1	-28.7	-23.1	-23.3	-22.8

313	-28.0	-28.7	-29.1	-23.4	-23.5	-23.1
314	-28.4	-29.5	-29.5	-23.6	-23.8	-23.4
315	-28.8	-29.9	-30.0	-23.8	-24.2	-23.7
316	-29.4	-30.6	-30.6	-24.1	-24.4	-24.0
317	-29.8	-31.4	-30.9	-24.4	-24.8	-24.4
318	-30.4	-32.3	-31.7	-24.8	-25.2	-24.8
319	-31.0	-33.3	-31.8	-24.9	-25.7	-25.3
320	-31.5	-33.9	-32.6	-25.5	-26.1	-25.6
321	-32.2	-34.8	-33.5	-25.8	-26.6	-26.0
322	-33.0	-35.7	-33.6	-26.3	-27.1	-26.8
323	-33.6	-36.6	-35.2	-26.8	-27.7	-27.2
324	-34.2	-38.3	-36.0	-27.3	-28.3	-27.9
325	-35.2	-39.8	-36.2	-27.9	-29.0	-28.5
326	-35.7	-40.9	-37.7	-28.4	-29.9	-29.0
327	-37.2	-43.0	-38.8	-29.0	-30.7	-29.4
328	-37.7	-44.6	-39.3	-29.8	-31.4	-30.4
329	-38.8	-45.9	-40.0	-30.5	-32.4	-30.9
330	-39.8	-45.0	-39.6	-31.1	-33.1	-31.4
331	-40.3	-45.1	-41.7	-32.2	-34.5	-31.7
332	-41.0	-42.7	-42.3	-33.0	-35.2	-32.1
333	-41.3	-42.1	-41.7	-34.0	-36.7	-32.5
334	-42.2	-42.3	-42.3	-34.8	-37.3	-32.5
335	-42.9	-39.7	-41.2	-36.1	-37.8	-32.4
336	-41.1	-39.3	-41.4	-37.8	-37.9	-31.9
337	-41.8	-38.4	-40.9	-38.6	-37.6	-31.7
338	-41.4	-38.8	-41.2	-39.2	-36.6	-30.8
339	-40.7	-38.0	-39.7	-39.2	-35.6	-30.4
340	-41.3	-36.8	-39.5	-39.4	-34.5	-30.0
341	-40.4	-36.6	-39.0	-39.2	-34.0	-29.3
342	-40.2	-36.2	-38.0	-38.0	-32.9	-29.0
343	-40.0	-35.3	-37.7	-37.2	-32.3	-28.4
344	-39.7	-35.4	-38.4	-36.0	-31.4	-28.0
345	-39.7	-35.4	-38.0	-35.1	-30.5	-27.4
346	-39.1	-35.2	-38.1	-34.0	-30.3	-27.0
347	-39.0	-35.3	-37.7	-33.5	-29.8	-26.7
348	-39.3	-35.0	-37.6	-32.6	-29.1	-26.2
349	-38.9	-35.2	-37.6	-32.3	-28.7	-25.7
350	-38.6	-34.6	-37.0	-31.7	-28.1	-25.4
351	-39.2	-34.8	-37.4	-31.2	-27.8	-25.3
352	-38.7	-34.7	-37.5	-30.5	-27.3	-25.0
353	-39.7	-35.3	-37.0	-30.4	-27.1	-24.6
354	-39.7	-34.8	-37.2	-29.9	-26.8	-24.3
355	-40.5	-35.2	-36.4	-29.6	-26.5	-24.2

356	-41.2	-35.6	-37.0	-29.2	-26.3	-23.8
357	-41.8	-35.3	-37.5	-28.8	-26.1	-23.7
358	-41.0	-35.6	-37.0	-28.6	-25.6	-23.5
359	-42.6	-35.9	-37.5	-28.3	-25.6	-23.4