

**Agreement between
Norwegian Post and Telecommunications Authority (PT) and
the National Post and Telecomm Agency (NPTA), Sweden
concerning the use of the frequency band
870-876/915-921 MHz
for
digital land mobile services**

February 2003

Section 1 – Use of channels from 1 March 2003

- 1.1 Norway may use the channels 12-21, 47-70, 121-170 and 221-230 without coordination with Sweden, if the field strength of every single carrier produced by a base station does not exceed 36 dB μ V/m/200kHz at the border or Swedish coastline.
- 1.2 Sweden may use the channels 1-10, 23-46, 171-220 and 231-240 without coordination with Norway, if the field strength of every single carrier produced by a base station does not exceed 36 dB μ V/m/200kHz at the border or Norwegian coastline.
- 1.3 Norway may use the channels 1-10, 23-46, 171-220 and 231-240 without coordination with Sweden, if the field strength of every single carrier produced by a base station does not exceed 19 dB μ V/m/200kHz at the border or Swedish coastline.
- 1.4 Sweden may use the channels 12-21, 47-70, 121-170 and 221-230 without coordination with Norway, if the field strength of every single carrier produced by a base station does not exceed 19 dB μ V/m/200kHz at the border or Norwegian coastline.
- 1.5 Channels 11 and 22 are common channels. Each country might use the half of the channel that is situated next to their allocation, with the same criterias as in 1.1 and 1.2.
- 1.6 Channels 71-120 are common channels. Involved licence holders may decide how these channels should be used in border areas.
- 1.7 All bandwidths can be used, including CDMA providing the reference field strength levels above are not exceeded.
- 1.8 An offset of 0 or +12,5 kHz could be used.

Section 2 – General

- 2.1 A field strength exceeding the above mentioned levels shall be coordinated with the other country.
- 2.2 If a country use part or all of the frequency band for other purposes than digital land mobile services, the limits of this agreement shall still apply.

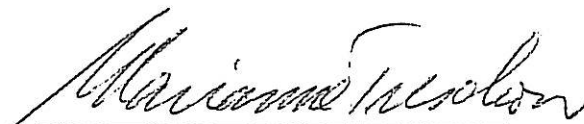
- 2.3 The above mentioned field strength values are to be calculated at a receiving antenna height of 1.5 meters and for 50 % of time and 50 % of locations.
- 2.4 A complaint in case of interference shall be based on the median values of measurements of the field strength performed at least on two different occasions over a range of at least 100 meters of the tangent of the wave propagation of an interfering base station. Measurements of field strength shall refer to the border/coastline.

Section 3 – Revision

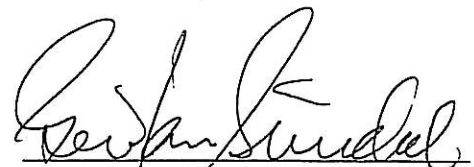
- 3.1 This agreement may otherwise be revised or cancelled as desired by one of the administrations with a notice of three months.
- 3.2 If no agreement is reached the propagation curves in CEPT Recommendation T/R 20-08 shall apply, noting that CEPT Recommendation T/R 20-08 does not cover the bands 870-876/915-921 MHz.

This agreement has been drawn up in two identical copies, one for Norway and one for Sweden.

Stockholm, ^{10 March} ~~February~~ 2003


Marianne Treschow

Oslo, ²⁴ February 2003


Geir Jan Sundal

Channel arrangement for the frequency bands 870-876/915-921 MHz.

	Centre frequency (uplink) MHz	Centre frequency (downlink) MHz	Preference channels	(Current systems)
1	870,000	915,000	S	(SRD)
2	870,025	915,025	S	(SRD)
3	870,050	915,050	S	(SRD)
4	870,075	915,075	S	(SRD)
5	870,100	915,100	S	(SRD)
6	870,125	915,125	S	(SRD)
7	870,150	915,150	S	(SRD)
8	870,175	915,175	S	(SRD)
9	870,200	915,200	S	(SRD)
10	870,225	915,225	S	(SRD)
11	870,250	915,250	SHARED	(SRD)
12	870,275	915,275	N	(SRD)
13	870,300	915,300	N	(SRD)
14	870,325	915,325	N	(SRD)
15	870,350	915,350	N	(SRD)
16	870,375	915,375	N	(SRD)
17	870,400	915,400	N	(SRD)
18	870,425	915,425	N	(SRD)
19	870,450	915,450	N	(SRD)
20	870,475	915,475	N	(SRD)
21	870,500	915,500	N	(SRD)
22	870,525	915,525	SHARED	
23	870,550	915,550	S	
24	870,575	915,575	S	
25	870,600	915,600	S	
26	870,625	915,625	S	
27	870,650	915,650	S	
28	870,675	915,675	S	
29	870,700	915,700	S	
30	870,725	915,725	S	
31	870,750	915,750	S	
32	870,775	915,775	S	
33	870,800	915,800	S	
34	870,825	915,825	S	
35	870,850	915,850	S	
36	870,875	915,875	S	
37	870,900	915,900	S	
38	870,925	915,925	S	
39	870,950	915,950	S	
40	870,975	915,975	S	
41	871,000	916,000	S	
42	871,025	916,025	S	
43	871,050	916,050	S	
44	871,075	916,075	S	
45	871,100	916,100	S	
46	871,125	916,125	S	
47	871,150	916,150	N	
48	871,175	916,175	N	
49	871,200	916,200	N	
50	871,225	916,225	N	
51	871,250	916,250	N	
52	871,275	916,275	N	

Channel arrangement for the frequency bands 870-876/915-921 MHz.

53	871,300	916,300	N	
54	871,325	916,325	N	
55	871,350	916,350	N	
56	871,375	916,375	N	
57	871,400	916,400	N	
58	871,425	916,425	N	
59	871,450	916,450	N	
60	871,475	916,475	N	
61	871,500	916,500	N	
62	871,525	916,525	N	
63	871,550	916,550	N	
64	871,575	916,575	N	
65	871,600	916,600	N	
66	871,625	916,625	N	
67	871,650	916,650	N	
68	871,675	916,675	N	
69	871,700	916,700	N	
70	871,725	916,725	N	
71	871,750	916,750	SHARED	(CDMA)
72	871,775	916,775	SHARED	(CDMA)
73	871,800	916,800	SHARED	(CDMA)
74	871,825	916,825	SHARED	(CDMA)
75	871,850	916,850	SHARED	(CDMA)
76	871,875	916,875	SHARED	(CDMA)
77	871,900	916,900	SHARED	(CDMA)
78	871,925	916,925	SHARED	(CDMA)
79	871,950	916,950	SHARED	(CDMA)
80	871,975	916,975	SHARED	(CDMA)
81	872,000	917,000	SHARED	(CDMA)
82	872,025	917,025	SHARED	(CDMA)
83	872,050	917,050	SHARED	(CDMA)
84	872,075	917,075	SHARED	(CDMA)
85	872,100	917,100	SHARED	(CDMA)
86	872,125	917,125	SHARED	(CDMA)
87	872,150	917,150	SHARED	(CDMA)
88	872,175	917,175	SHARED	(CDMA)
89	872,200	917,200	SHARED	(CDMA)
90	872,225	917,225	SHARED	(CDMA)
91	872,250	917,250	SHARED	(CDMA)
92	872,275	917,275	SHARED	(CDMA)
93	872,300	917,300	SHARED	(CDMA)
94	872,325	917,325	SHARED	(CDMA)
95	872,350	917,350	SHARED	(CDMA)
96	872,375	917,375	SHARED	(CDMA)
97	872,400	917,400	SHARED	(CDMA)
98	872,425	917,425	SHARED	(CDMA)
99	872,450	917,450	SHARED	(CDMA)
100	872,475	917,475	SHARED	(CDMA)
101	872,500	917,500	SHARED	(CDMA)
102	872,525	917,525	SHARED	(CDMA)
103	872,550	917,550	SHARED	(CDMA)
104	872,575	917,575	SHARED	(CDMA)
105	872,600	917,600	SHARED	(CDMA)
106	872,625	917,625	SHARED	(CDMA)
107	872,650	917,650	SHARED	(CDMA)
108	872,675	917,675	SHARED	(CDMA)

Channel arrangement for the frequency bands 870-876/915-921 MHz.

109	872,700	917,700	SHARED	(CDMA)
110	872,725	917,725	SHARED	(CDMA)
111	872,750	917,750	SHARED	(CDMA)
112	872,775	917,775	SHARED	(CDMA)
113	872,800	917,800	SHARED	(CDMA)
114	872,825	917,825	SHARED	(CDMA)
115	872,850	917,850	SHARED	(CDMA)
116	872,875	917,875	SHARED	(CDMA)
117	872,900	917,900	SHARED	(CDMA)
118	872,925	917,925	SHARED	(CDMA)
119	872,950	917,950	SHARED	(CDMA)
120	872,975	917,975	SHARED	(CDMA)
121	873,000	918,000	N	(CDMA carrier1)
122	873,025	918,025	N	(CDMA carrier1)
123	873,050	918,050	N	(CDMA carrier1)
124	873,075	918,075	N	(CDMA carrier1)
125	873,100	918,100	N	(CDMA carrier1)
126	873,125	918,125	N	(CDMA carrier1)
127	873,150	918,150	N	(CDMA carrier1)
128	873,175	918,175	N	(CDMA carrier1)
129	873,200	918,200	N	(CDMA carrier1)
130	873,225	918,225	N	(CDMA carrier1)
131	873,250	918,250	N	(CDMA carrier1)
132	873,275	918,275	N	(CDMA carrier1)
133	873,300	918,300	N	(CDMA carrier1)
134	873,325	918,325	N	(CDMA carrier1)
135	873,350	918,350	N	(CDMA carrier1)
136	873,375	918,375	N	(CDMA carrier1)
137	873,400	918,400	N	(CDMA carrier1)
138	873,425	918,425	N	(CDMA carrier1)
139	873,450	918,450	N	(CDMA carrier1)
140	873,475	918,475	N	(CDMA carrier1)
141	873,500	918,500	N	(CDMA carrier1)
142	873,525	918,525	N	(CDMA carrier1)
143	873,550	918,550	N	(CDMA carrier1)
144	873,575	918,575	N	(CDMA carrier1)
145	873,600	918,600	N	(CDMA carrier1)
146	873,625	918,625	N	(CDMA carrier1)
147	873,650	918,650	N	(CDMA carrier1)
148	873,675	918,675	N	(CDMA carrier1)
149	873,700	918,700	N	(CDMA carrier1)
150	873,725	918,725	N	(CDMA carrier1)
151	873,750	918,750	N	(CDMA carrier1)
152	873,775	918,775	N	(CDMA carrier1)
153	873,800	918,800	N	(CDMA carrier1)
154	873,825	918,825	N	(CDMA carrier1)
155	873,850	918,850	N	(CDMA carrier1)
156	873,875	918,875	N	(CDMA carrier1)
157	873,900	918,900	N	(CDMA carrier1)
158	873,925	918,925	N	(CDMA carrier1)
159	873,950	918,950	N	(CDMA carrier1)
160	873,975	918,975	N	(CDMA carrier1)
161	874,000	919,000	N	(CDMA carrier1)
162	874,025	919,025	N	(CDMA carrier1)
163	874,050	919,050	N	(CDMA carrier1)
164	874,075	919,075	N	(CDMA carrier1)

Channel arrangement for the frequency bands 870-876/915-921 MHz.

165	874,100	919,100	N	(CDMA carrier1)
166	874,125	919,125	N	(CDMA carrier1)
167	874,150	919,150	N	(CDMA carrier1)
168	874,175	919,175	N	(CDMA carrier1)
169	874,200	919,200	N	(CDMA carrier1)
170	874,225	919,225	N	(CDMA carrier1)
171	874,250	919,250	S	(CDMA carrier2)
172	874,275	919,275	S	(CDMA carrier2)
173	874,300	919,300	S	(CDMA carrier2)
174	874,325	919,325	S	(CDMA carrier2)
175	874,350	919,350	S	(CDMA carrier2)
176	874,375	919,375	S	(CDMA carrier2)
177	874,400	919,400	S	(CDMA carrier2)
178	874,425	919,425	S	(CDMA carrier2)
179	874,450	919,450	S	(CDMA carrier2)
180	874,475	919,475	S	(CDMA carrier2)
181	874,500	919,500	S	(CDMA carrier2)
182	874,525	919,525	S	(CDMA carrier2)
183	874,550	919,550	S	(CDMA carrier2)
184	874,575	919,575	S	(CDMA carrier2)
185	874,600	919,600	S	(CDMA carrier2)
186	874,625	919,625	S	(CDMA carrier2)
187	874,650	919,650	S	(CDMA carrier2)
188	874,675	919,675	S	(CDMA carrier2)
189	874,700	919,700	S	(CDMA carrier2)
190	874,725	919,725	S	(CDMA carrier2)
191	874,750	919,750	S	(CDMA carrier2)
192	874,775	919,775	S	(CDMA carrier2)
193	874,800	919,800	S	(CDMA carrier2)
194	874,825	919,825	S	(CDMA carrier2)
195	874,850	919,850	S	(CDMA carrier2)
196	874,875	919,875	S	(CDMA carrier2)
197	874,900	919,900	S	(CDMA carrier2)
198	874,925	919,925	S	(CDMA carrier2)
199	874,950	919,950	S	(CDMA carrier2)
200	874,975	919,975	S	(CDMA carrier2)
201	875,000	920,000	S	(CDMA carrier2)
202	875,025	920,025	S	(CDMA carrier2)
203	875,050	920,050	S	(CDMA carrier2)
204	875,075	920,075	S	(CDMA carrier2)
205	875,100	920,100	S	(CDMA carrier2)
206	875,125	920,125	S	(CDMA carrier2)
207	875,150	920,150	S	(CDMA carrier2)
208	875,175	920,175	S	(CDMA carrier2)
209	875,200	920,200	S	(CDMA carrier2)
210	875,225	920,225	S	(CDMA carrier2)
211	875,250	920,250	S	(CDMA carrier2)
212	875,275	920,275	S	(CDMA carrier2)
213	875,300	920,300	S	(CDMA carrier2)
214	875,325	920,325	S	(CDMA carrier2)
215	875,350	920,350	S	(CDMA carrier2)
216	875,375	920,375	S	(CDMA carrier2)
217	875,400	920,400	S	(CDMA carrier2)
218	875,425	920,425	S	(CDMA carrier2)
219	875,450	920,450	S	(CDMA carrier2)
220	875,475	920,475	S	(CDMA carrier2)

Channel arrangement for the frequency bands 870-876/915-921 MHz.

221	875,500	920,500	N	(CDMA)
222	875,525	920,525	N	(CDMA)
223	875,550	920,550	N	(CDMA)
224	875,575	920,575	N	(CDMA)
225	875,600	920,600	N	(CDMA)
226	875,625	920,625	N	(CDMA)
227	875,650	920,650	N	(CDMA)
228	875,675	920,675	N	(CDMA)
229	875,700	920,700	N	(CDMA)
230	875,725	920,725	N	(CDMA)
231	875,750	920,750	S	(CDMA)
232	875,775	920,775	S	(CDMA)
233	875,800	920,800	S	(CDMA)
234	875,825	920,825	S	(CDMA)
235	875,850	920,850	S	(CDMA)
236	875,875	920,875	S	(CDMA)
237	875,900	920,900	S	(CDMA)
238	875,925	920,925	S	(CDMA)
239	875,950	920,950	S	(CDMA)
240	875,975	920,975	S	(CDMA)