Post- och Telestyrelsen
Box 5398
102 49 Stockholm

Datum: 2011-05-06
Vår referens: 2011/758/184
Er referens: 11-3767

Yttrande över remiss angående Post- och Telestyrelsens förslag till allmänna råd om den svenska frekvensplanen

SMHI har inget att erinra mot Post- och Telestyrelsens förslag till ”Allmänna råd om den svenska frekvensplanen”. Dokumentet upplevs som tydligt och hänvisar även till internationella överenskommelser såsom Internationella Teleunionens radioreglementes frekvensfördelningsplan och EU beslut nr 676/2002/EG, vilket är positivt.

SMHI har inte analyserat detaljer i bifogad frekvenstabell då remissen enbart avser de allmänna råden till frekvensplanen.

Avdelningschef Bodil Aarhus Andrae har beslutat i detta ärende som handlagts av Stefan Ståhl.

För SMHI

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TABLE 5-1

Frequency bands and bandwidths of scientific interest for satellite passive sensing below 1 000 GHz*

Frequency band (GHz)	Desired bandwidth (MHz)[3]	Main measurements
1.4-1.427	100 (27)	Soil moisture, salinity, ocean surface temperature, vegetation index
2.69-2.7	60 (10)	Salinity, soil moisture
4.2-4.4	200	Ocean surface temperature
6.7-7.1	400	Ocean surface temperature (no allocation)
10.6-10.7	100	Rain, snow, ice, sea state, ocean wind, ocean surface temperature, soil moisture
15.35-15.4	200 (50)	Water vapour, rain
18.6-18.8	200	Rain, sea state, ocean ice, water vapour, snow
21.2-21.4	200	Water vapour, cloud liquid water
22.21-22.5	300 (290)	Water vapour, cloud liquid water
23.6-24	400	Water vapour, cloud liquid water
31.3-31.8	500	Window channel associated with temperature measurements
36-37	1 000	Rain, snow, ocean ice, water vapour, cloud liquid water, ocean wind, soil moisture
50.2-50.4	200	O_2 (temperature profiling)
52.6-59.3	6 700[1]	O_2 (temperature profiling)
86-92	6 000	Clouds, ice, snow, rain
100-102	2 000	N_2O
109.5-111.8	2 300	O_3
114.25-122.25	8 000[1]	O_2 (temperature profiling), CO
148.5-151.5	3 000	Window channel
155.5-158.5	3 000	Window channel (allocation will be terminated on 1 January 2018 based upon No. 5.562F of the RR)
164-167	3 000	Window channel
174.8-191.8	17 000[1]	H_2O (Moisture profiling), cloud, ice, snow, N_2O, O_3
200-209	9 000[2]	H_2O, O_3, N_2O
226-232	6 000[2] (5 500)	Clouds, CO
235-238	3 000[2]	O_3
250-252	2 000[2]	N_2O
275-277	2 000[2]	N_2O
294-306	12 000[2]	N_2O, O_3, O_2, HNO_3, HOCl
316-334	10 000[2]	Water vapour profiling, O_3, HOCl, H_2O, cloud ice
342-349	7 000[2]	CO, HNO_3, CH_3Cl, O_3, O_2, HOCl, H_2O, window channel, cloud ice and cirrus
363-365	2 000[2]	O_3
371-389	18 000[2]	Water vapour profiling
416-434	18 000[2]	Temperature profiling
442-444	2 000[2]	Water vapour, cloud ice and cirrus
496-506	9 000[2]	O_3, CH_3Cl, N_2O, BrO, ClO
546-568	22 000[2]	Temperature profiling

TABLE 5-1 (*end*)

Frequency band (GHz)	Desired bandwidth (MHz)(3)	Main measurements
624-629	5 000(2)	Bro, O_3, HCl, SO_2, H_2O_2, HOCl, HNO_3
634-654	20 000(2)	CH_3Cl, HOCl, ClO, H_2O, N_2O, BrO, O_3, HO_2, HNO_3
659-661	2 000(2)	BrO
684-692	8 000(2)	ClO, CO, CH_3Cl
730-732	2 000(2)	O_2, HNO_3
851-853	2 000(2)	NO
951-956	5 000(2)	O_2, NO, H_2O

* NOTE – For current information on passive sensor frequency allocations, the reader is referred to the Table of Frequency Allocations in Article 5 of the RR. For additional information on the preferred frequencies for passive sensing, the reader is referred to the most recent version of Recommendation ITU-R RS.515.

(1) This bandwidth is occupied by multiple channels.

(2) This bandwidth is occupied by multiple sensors.

(3) In some instances, the desired bandwidth exceeds the allocation. In such cases, the current allocated bandwidth is given in brackets.