

HARD LIMITS for N-SAT-HEO1 (100520139) EXAMINATION BY : ng DATE: 07/02/04

J N-SAT-HEO1 Non-GSO 30.09.02 C 100.520139

No. 5.502, frequency band 13.75 - 14 GHz:

- Antenna diameter < 4.5 m for transmitting earth station FL14-2 (in beam 14BR/R).
- EIRP < 68 dBW for all assignments to transmitting earth stations FL14-1 and FL14-2 (in beams 14AR/R & 14BR/R, respectively) with minimum total power ≤ 10 dBW.

No. 5.503, frequency band 13.772 - 13.778 GHz:

- EIRP density > 71 dBW in 6 MHz, for all assignments to transmitting earth station FL14-1 (in beam 14AR/R) with maximum power density ≥ -43.3 dBW/Hz and maximum peak power ≥ 27.3 dBW.

PFD limits of No. 21.16:

Assignments in beam(s)	6TAR	6TBR	12AR	12BR	15AR	15BR	2TER	2TIR	2TFR	2TJR
in the frequency band (MHz)	6700 - 6825		12250 - 12750		15430 - 15630		2535 - 2630			
with maximum power density (dBW/Hz)	≥ -55.7	≥ -65.7	≥ -47.7	≥ -57.7	-44.6	-54.6	-41		-52.5	
and total peak power (dBW)	All	≥ -5	All	All	All	All	All		All	
PFD limits of No. 21.16 are exceeded by (dB)	≥ 1.73	≥ 1.23	≥ 1.28	≥ 1.28	1.27	1.27	2.83		2.83	

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