# SCHEDULES

## SCHEDULE 4

## FEES PAYABLE FOR SATELLITE (PERMANENT EARTH STATION) AND (TRANSPORTABLE EARTH STATION) LICENCES

## PART 1

## FORMULA FOR CALCULATING THE APPROPRIATE SUM FOR A SATELLITE (PERMANENT EARTH STATION) LICENCE

**1.** In this Part, subject to paragraph 3, "the appropriate sum" means the amount in pounds sterling, which is payable for a Satellite (Permanent Earth Station) licence, calculated in accordance with the formula set out in paragraph 2.

**2.** The formula is—

$$AS = \sum_{bands} \left[ 28 x BF_{band} \; x \sqrt{\sum_{paths band} \left( P_{path} \; x BW_{path} \right)} \; \right]$$

where—

"*AS*" means the appropriate sum;

"*bands*" mean the numbers listed in Column 1 of the table set out in Part 2, corresponding to the range of frequency band listed in Column 2 of that table which are authorised by the licence;

"$BF_{band}$" means the band factor applying to each band, being the number in Column 3 of the table set out in Part 2 corresponding to the band listed in Column 1 of the same table;

"$paths_{band}$" means the set of those transmission paths authorised by the licence for which the authorised transmission frequency lies within the frequency range of each band as set out in Column 2 of the table set out in Part 2;

"$P_{path}$" means the authorised peak transmit power (in Watts) at the flange of the antenna of the earth station for each transmission path;

"$BW_{path}$" means the authorised transmit bandwidth (in MHz) for each transmission path; and

"transmission path" means a combination of a satellite earth station transmitter, a satellite receiver, a transmission frequency, and polarisation for which transmissions are authorised by the licence.

**3.** Where the amount in pounds sterling calculated in accordance with the formula set out in paragraph 2 is less than £500, the appropriate sum shall be £500.