

SCHEDULE 4

Schedule 2

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—

$$AS = \sum_{bands} [28 \times BF_{band} \times \sqrt{\sum_{pathsband} (P_{path} \times BW_{path})}]$$

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.

PART 2

BAND FACTOR FOR CALCULATING THE APPROPRIATE SUM FOR A SATELLITE (PERMANENT EARTH STATION) LICENCE

Column 1: band	Column 2: Range of frequency band (fb) (in GHz)	Column 3: Band factor
1	fb < 5	2.33

Status: This is the original version (as it was originally made).

<i>Column 1: band</i>	<i>Column 2: Range of frequency band (fb) (in GHz)</i>	<i>Column 3: Band factor</i>
2	$5 \leq fb < 10$	1.72
3	$10 \leq fb < 16$	1.00
4	$16 \leq fb < 24$	0.70
5	$fb \geq 24$	0.60

PART 3

FEES PAYABLE FOR SATELLITE (TRANSPORTABLE EARTH STATION) LICENCES

4. The appropriate sum is the amount in pounds sterling which is payable for each earth station operating in one of the bands specified in Columns 2, 3 or 4 of the table below as determined by the range of *p* specified in Column 1 of that table in which the licensee’s network falls.

5. In this Part—

- (a) “OMP” means the number corresponding to the number of the Operational Maximum Power (in Watts) as declared by the licensee on application for the earth station licence;
- (b) “*p*” means the product of OMP multiplied by *WBW*; and
- (c) “WBW” means the number corresponding to the number of the widest bandwidth (in MHz) as declared by the licensee on application for the licence.

<i>Column 1: Range of p</i>	<i>Column 2: Fee (£) per earth station in the band 5.925–7.075 GHz</i>	<i>Column 3: Fee (£) per earth station in the band 13.78–14.5 GHz</i>	<i>Column 4: Fee (£) per earth station in any of the bands 27.5–27.8185 GHz, 28.4545–28.8265 GHz and 29.4625–30 GHz</i>
$0 < p \leq 100$	500	300	200
$100 < p \leq 2,500$	2,400	1,400	800
$p > 2,500$	7,400	4,300	2,600