

Description of EPFD validation and results of examination

Input parameters

Mask link data

| Mask Id. | Direction | Minimum frequency, MHz | Maximum frequency, MHz | Linked orbit IDs / Satellite IDs |
|----------|-----------|------------------------|------------------------|----------------------------------|
| 1 | ↓ | 10700 | 12750 | All |
| 2 | ↔ | 10700 | 12750 | All |
| 3 | ↑ | 12750 | 13250 | All |
| 4 | ↑ | 13750 | 14500 | All |

Common SNS Data

Common

| A.4.b.7.d.1 Exclusion zone type | A.4.b.7.d.1 Exclusion zone size, degrees |
|-------------------------------------|---|
| Y - topocentric angle (earth based) | 10 |

Orbits

| Apogee/Perigee/Inclination | A.4.b.6.d Uses station keeping | A.4.b.6.e Uses specific precession |
|----------------------------|-----------------------------------|---------------------------------------|
| 1175/1175/86.5 | No keeping | Default |

Uplink

| A.4.b.7.b Earth station density (1/km ²) | A.4.b.7.c Average distance (km) | A.4.b.7.a number of satellites receiving simultaneously |
|---|------------------------------------|--|
| 6E-05 | 999 | 1 |

Downlink

| A.4.b.6.a Number of satellites transmitting to any latitude within corresponding range | | |
|---|-------------|--------|
| From latitude | To latitude | Number |
| -90 | 90 | 10 |

Group table

| Beam(s) | Direction | Minimum frequency, MHz | Maximum frequency, MHz | A.4.b.7.cbis Minimum elevation angle |
|---------|-----------|------------------------|------------------------|---|
| KUU | R | 12750 | 14500 | 20 |
| KUD | E | 10700 | 12750 | 20 |

Results

| B1A Beam designation | B2 Emi-Rcp | BR7a Group id./ Target Group id. | GHz | Orbital planes id. no. | Mask ID | Article 22 Limit | Result | Article 22 Examination |
|-------------------------|---------------|---|-----------------|---------------------------|---------|--|----------------------------|------------------------|
| KUU | R | 319842963 / 119832852 319842964 / 119832853 319842965 / 119832854 | 12.75- 13.25 | 1 - 18 | 3 | TABLE 22-2 | Pass | Favorable |
| KUU | R | 319842966 / 119832856 319842967 / 119832857 | 13.75-14 | 1 - 18 | 4 | TABLE 22-2 | N/A | N/A |
| KUU | R | 319842968 / 119832859 319842969 / 119832860 319842970 / 119832861 | 14-14.5 | 1 - 18 | 4 | TABLE 22-2 | N/A | N/A |
| KUD | E | 319842948 / 119832855 319842949 / 119832871 319842950 / 119832872 | 10.7-11.2 | 1 - 18 | 1, 2 | RR 22.5C4 TABLE 22-1A TABLE 22-3 | Pass Pass Pass | Favorable |
| KUD | E | 319842951 / 119832877 319842954 / 119832886 319842957 / 119832889 | 11.2-11.7 | 1 - 18 | 1, 2 | RR 22.5C4 TABLE 22-1A TABLE 22-3 | N/A N/A N/A | N/A |
| KUD | E | 319842952 / 119832878 319842955 / 119832887 319842958 / 119832890 | 11.7-12.2 | 1 - 18 | 1 | RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D | N/A Pass N/A Pass | Favorable |
| KUD | E | 319842953 / 119832879 319842956 / 119832888 319842959 / 119832891 | 12.2-12.7 | 1 - 18 | 1, 2 | RR 22.5C4 RR 22.5C8 TABLE 22-1A | N/A N/A N/A | N/A |

| | | | | | | | | |
|-----|---|---|-----------------|--------|------|--|---------------------------------|-----|
| | | | | | | TABLE 22-1D TABLE 22-3 | N/A N/A | |
| KUD | E | 319842960 / 119832913 319842961 / 119832915 319842962 / 119832917 | 12.25- 12.75 | 1 - 18 | 1, 2 | RR 22.5C4 RR 22.5C8 TABLE 22-1A TABLE 22-1D TABLE 22-3 | N/A N/A N/A N/A N/A | N/A |

Notes:

1. Findings are promulgated as favorable when all applicable limits in Article 22 are met for given group of frequency assignments in all applicable scenarios.
2. The Result column can be either Pass or Fail (see Rec. ITU-R S.1503-2). N/A (Non Applicable) refers to the case when an applicable Article 22 limit is not examined in the current scenario.
3. Qualified Favorable is established due to continuous application of Resolution 85 (WRC-03) on request by the notifying administration.