APPENDIX 17 (Rev.WRC-07)

Frequencies and channelling arrangements in the
high-frequency bands for the maritime mobile service

(See Article **52)**

PART A  –  Table of subdivided bands     (WRC-07)

*In the Table,* where appropriate[[1]](#footnote-1)1, the assignable frequencies in a given band for each usage are:

– indicated by the lowest and highest frequency, in heavy type, assigned in that band;

– regularly spaced, the number of assignable frequencies ( *f.*) and the spacing in kHz being indicated in italics.

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz
allocated exclusively to the maritime mobile service

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Band (MHz) | 4 | 6 | 8 | 12 | 16 | 18/19 | 22 | 25/26 |
| Limits (kHz) | 4 063 | 6 200 | 8 195 | 12 230 | 16 360 | 18 780 | 22 000 | 25 070 |
| Frequencies assignable to ship stations for oceanographic data transmission*c)* | **4 063.3**to**4 064.8***6 f.0.3 kHz* |  |  |  |  |  |  |  |
| Limits (kHz) | 4 065 | 6 200 | 8 195 | 12 230 | 16 360 | 18 780 | 22 000 | 25 070 |
| Frequencies assignable to ship stations for telephony, duplex operation*a) i)* | **4 066.4**to**4 144.4***27 f.3 kHz* | **6 201.4**to**6 222.4***8 f.3 kHz* | **8 196.4**to**8 292.4***33 f.3 kHz* | **12 231.4**to**12 351.4***41 f.3 kHz* | **16 361.4**to**16 526.4***56 f.3 kHz* | **18 781.4**to**18 823.4***15 f.3 kHz* | **22 001.4**to**22 157.4***53 f.3 kHz* | **25 071.4**to**25 098.4***10 f.3 kHz* |
| Limits (kHz) | 4 146 | 6 224 | 8 294 | 12 353 | 16 528 | 18 825 | 22 159 | 25 100 |

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz
allocated exclusively to the maritime mobile service (*continued*)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Band (MHz) | 4 | 6 | 8 | 12 | 16 | 18/19 | 22 | 25/26 |
| Limits (kHz) | 4 146 | 6 224 | 8 294 | 12 353 | 16 528 | 18 825 | 22 159 | 25 100 |
| Frequencies assignable to ship stations and coast stations for telephony, simplex operation*a)* | **4 147.4**to**4 150.4***2 f.3 kHz* | **6 225.4**to**6 231.4***3 f.3 kHz* | **8 295.4**to**8 298.4***2 f.3 kHz* | **12 354.4**to**12 366.4***5 f.3 kHz* | **16 529.4**to**16 547.4***7 f.3 kHz* | **18 826.4**to**18 844.4***7 f.3 kHz* | **22 160.4**to**22 178.4***7 f.3 kHz* | **25 101.4**to**25 119.4***7 f.3 kHz* |
| Limits (kHz) | 4 152 | 6 233 | 8 300 | 12 368 | 16 549 | 18 846 | 22 180 | 25 121 |
| Frequencies assignable to ship stations for wide‑band telegraphy, facsimile and special transmission systems | **4 154**to**4 170***5 f.4 kHz* | **6 235**to**6 259***7 f.4 kHz* | **8 302**to**8 338***10 f.4 kHz* | **12 370**to**12 418***13 f.4 kHz* | **16 551**to**16 615***17 f.4 kHz* | **18 848**to**18 868***6 f.4 kHz* | **22 182**to**22 238***15 f.4 kHz* | **25 123**to**25 159***10 f.4 kHz* |
| Limits (kHz) | 4 172 | 6 261 | 8 340 | 12 420 | 16 617 | 18 870 | 22 240 | 25 161.25 |
| Frequencies assignable to ship stations for oceanographic data transmission*c)* |  | **6 261.3**to**6 262.5***5 f.0.3 kHz* | **8 340.3**to**8 341.5***5 f.0.3 kHz* | **12 420.3**to**12 421.5***5 f.0.3 kHz* | **16 617.3**to**16 618.5***5 f.0.3 kHz* |  | **22 240.3**to**22 241.5***5 f.0.3 kHz* |  |
| Limits (kHz) | 4 172 | 6 262.75 | 8 341.75 | 12 421.75 | 16 618.75 | 18 870 | 22 241.75 | 25 161.25 |
| Frequencies (paired) assignable to ship stations for narrow-band direct-printing (NBDP) telegraphy and data transmission systems at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK*d) j) m) p)* | **4 172.5**to**4 181.5***18 f.**0.5 kHz* | **6 263**to**6 275.5***25 f.0.5 kHz* |  |  |  |  |  |  |
| Limits (kHz) | 4 181.75 | 6 275.75 | 8 341.75 | 12 421.75 | 16 618.75 | 18 870 | 22 241.75 | 25 161.25 |
| Calling frequencies assignable to ship stations for A1A or A1B Morse telegraphy*g) p)* |  |  |  |  |  |  |  |  |
| Limits (kHz) | 4 186.75 | 6 280.75 | 8 341.75 | 12 421.75 | 16 618.75 | 18 870 | 22 241.75 | 25 161.25 |
| Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK *d) m) p)* |  | **6 281** to**6 284.5***8 f.0.5 kHz* |  |  |  |  |  |  |
| Limits (kHz) | 4 186.75 | 6 284.75 | 8 341.75 | 12 421.75 | 16 618.75 | 18 870 | 22 241.75 | 25 161.25 |

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz
allocated exclusively to the maritime mobile service (*continued*)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Band (MHz) | 4 | 6 | 8 | 12 | 16 | 18/19 | 22 | 25/26 |  |
| Limits (kHz) | 4 186.75 | 6 284.75 | 8 341.75 | 12 421.75 | 16 618.75 | 18 870 | 22 241.75 | 25 161.25 |  |
| Working frequencies assignable to ship stations for A1A or A1B Morse telegraphy*e) f) p)* | **4 187**to**4 202***31 f.0.5 kHz* | **6 285**to**6 300***31 f.0.5 kHz* | **8 342**to**8 365.5***48 f.0.5 kHz* | **12 422**to**12 476.5***110 f.0.5 kHz* | **16 619**to**16 683***129 f.0.5 kHz* |  | **22 242**to**22 279***75 f.0.5 kHz* | **25 161.5**to**25 171***20 f.0.5 kHz* | (WRC-07) |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 365.75 | 12 476.75 | 16 683.25 | 18 870 | 22 279.25 | 25 171.25 |  |
| Calling frequencies assignable to ship stations for A1A or A1B Morse telegraphy*g) p)* |  |  |  |  |  |  |  |  |  |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 370.75 | 12 476.75 | 16 683.25 | 18 870 | 22 284.25 | 25 172.75 |  |
| Working frequencies assignable to ship stations for A1A or A1B Morse telegraphy*e) f) p)* |  |  | **8 371**to**8 376***11 f.0.5 kHz* |  |  |  |  |  |  |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 376.25 | 12 476.75 | 16 683.25 | 18 870 | 22 284.25 | 25 172.75 |  |
| Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 bauds for FSK and 200 bauds for PSK *d) j) m) p)* |  |  | **8 376.5**to**8 396***40 f.0.5 kHz* | **12 477**to**12 549.5***146 f.0.5 kHz* | **16 683.5**to**16 733.5***101 f.0.5 kHz* | **18 870.5**to**18 892.5***45 f.0.5 kHz* | **22 284.5**to**22 351.5***135 f.0.5 kHz* | **25 173**to**25 192.5***40 f.0.5 kHz* |  |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 396.25 | 12 549.75 | 16 733.75 | 18 892.75 | 22 351.75 | 25 192.75 |  |
| Calling frequencies assignable to ship stations for A1A or A1B Morse telegraphy*g) p)* |  |  |  |  |  |  |  |  |  |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 396.25 | 12 554.75 | 16 738.75 | 18 892.75 | 22 351.75 | 25 192.75 |  |
| Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 bauds for FSK and 200 bauds for PSK*d) m) p)* |  |  |  | **12 555**to**12 559.5***10 f.0.5 kHz* | **16 739**to**16 784.5***92 f.0.5 kHz* |  |  |  |  |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 396.25 | 12 559.75 | 16 784.75 | 18 892.75 | 22 351.75 | 25 192.75 |  |

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz
allocated exclusively to the maritime mobile service(*continued*)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Band (MHz) | 4 | 6 | 8 | 12 | 16 | 18/19 | 22 | 25/26 |
| Limits (kHz) | 4 202.25 | 6 300.25 | 8 396.25 | 12 559.75 | 16 784.75 | 18 892.75 | 22 351.75 | 25 192.75 |
| Frequencies (non paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK and for A1A or A1B Morse telegraphy (working)*b) p)* | **4 202.5**to**4 207***10 f.0.5 kHz* | **6 300.5**to**6 311.5***23 f.0.5 kHz* | **8 396.5**to**8 414***36 f.0.5 kHz* | **12 560**to**12 576.5***34 f.0.5 kHz* | **16 785**to**16 804***39 f.0.5 kHz* | **18 893**to**18 898***11 f.0.5 kHz* | **22 352**to**22 374***45 f.0.5 kHz* | **25 193**to**25 208***31 f.0.5 kHz* |
| Limits (kHz) | 4 207.25 | 6 311.75 | 8 414.25 | 12 576.75 | 16 804.25 | 18 898.25 | 22 374.25 | 25 208.25 |
| Frequencies assignable to ship stations for digital selective calling*k) l)* | **4 207.5**to**4 209***4 f.0.5 kHz* | **6 312**to**6 313.5***4 f.0.5 kHz* | **8 414.5**to**8 416***4 f.0.5 kHz* | **12 577**to**12 578.5***4 f.0.5 kHz* | **16 804.5**to**16 806***4 f.0.5 kHz* | **18 898.5**to**18 899.5***3 f.0.5 kHz* | **22 374.5**to**22 375.5***3 f.0.5 kHz* | **25 208.5**to**25 209.5***3 f.0.5 kHz* |
| Limits (kHz) | 4 209.25 | 6 313.75 | 8 416.25 | 12 578.75 | 16 806.25 | 18 899.75 | 22 375.75 | 25 210 |
| Limits (kHz) | 4 209.25 | 6 313.75 | 8 416.25 | 12 578.75 | 16 806.25 | 19 680.25 | 22 375.75 | 26 100.25 |
| Frequencies (paired) assignable to coast stations for NBDP and data transmission systems, at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK*d) n) o) p)* | **4 209.5**to**4 219***20 f.0.5 kHz* | **6 314**to**6 330.5***34 f.0.5 kHz* | **8 416.5**to**8 436***40 f.0.5 kHz* | **12 579**to**12 656.5***156 f.0.5 kHz* | **16 806.5**to**16 902.5***193 f.0.5 kHz* | **19 680.5**to**19 703***46 f.0.5 kHz* | **22 376**to**22 443.5***136 f.0.5 kHz* | **26 100.5**to**26 120.5***41 f.0.5 kHz* |
| Limits (kHz) | 4 219.25 | 6 330.75 | 8 436.25 | 12 656.75 | 16 902.75 | 19 703.25 | 22 443.75 | 26 120.75 |
| Frequencies assignable to coast stations for digital selective calling *l)* | **4 219.5**to**4 220.5***3 f.0.5 kHz* | **6 331**to**6 332***3 f.0.5 kHz* | **8 436.5**to**8 437.5***3 f.0.5 kHz* | **12 657**to**12 658***3 f.0.5 kHz* | **16 903**to**16 904***3 f.0.5 kHz* | **19 703.5**to**19 704.5***3 f.0.5 kHz* | **22 444**to**22 445***3 f.0.5 kHz* | **26 121**to**26 122***3 f.0.5 kHz* |
| Limits (kHz) | 4 221 | 6 332.5 | 8 438 | 12 658.5 | 16 904.5 | 19 705 | 22 445.5 | 26 122.5 |
| Frequencies assignable to coast stations for wide‑band and A1A or A1B Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems  |  |  |  |  |  |  |  |  |
| Limits (kHz) | 4 351 | 6 501 | 8 707 | 13 077 | 17 242 | 19 755 | 22 696 | 26 145 |

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz
allocated exclusively to the maritime mobile service(*end*)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Band (MHz) | 4 | 6 | 8 | 12 | 16 | 18/19 | 22 | 25/26 |
| Limits (kHz) | 4 351 | 6 501 | 8 707 | 13 077 | 17 242 | 19 755 | 22 696 | 26 145 |
| Frequencies assignable to coast stations for telephony, duplex operation*a)* | **4 352.4**to**4 436.4***29 f.3 kHz* | **6 502.4**to**6 523.4***8 f.3 kHz* | **8 708.4**to**8 813.4***36 f.3 kHz* | **13 078.4**to**13 198.4***41 f.3 kHz* | **17 243.4**to**17 408.4***56 f.3 kHz* | **19 756.4**to**19 798.4***15 f.3 kHz* | **22 697.4**to**22 853.4***53 f.3 kHz* | **26 146.4**to**26 173.4***10 f.3 kHz* |
| Limits (kHz) | 4 438 | 6 525 | 8 815 | 13 200 | 17 410 | 19 800 | 22 855 | 26 175 |

*a)* See Part B, Section I.

*b)* See Part B, Section III.

*c)* The frequency bands may also be used by buoy stations for oceanographic data transmission and by stations interrogating these buoys.

*d)* See Part B, Section II.

*e)* In the frequency bands to be used by ship stations for A1A Morse telegraphy working at speeds not exceeding 40 Bd, administrations may assign additional frequencies interleaved between the assignable frequencies. Any frequencies so assigned shall be multiples of 100 Hz. Administrations shall ensure a uniform distribution of such assignments within the bands.

*f)* See Part B, Section V.

*g)* See Part B, Section IV.

*h)* (SUP – WRC-07)

*i)* For the use of the carrier frequencies 4 125 kHz, 6 215 kHz, 8 291 kHz, 12 290 kHz and 16 420 kHz in these sub‑bands by ship and coast stations for distress and safety purposes, by single-sideband radiotelephony, see Article **31**.     (WRC-07)

*j)* For the use of the frequencies 4 177.5 kHz, 6 268 kHz, 8 376.5 kHz, 12 520 kHz and 16 695 kHz in these sub-bands by ship and coast stations for distress and safety purposes, by NBDP telegraphy, see Article **31**.

*k)* For the use of the frequencies 4 207.5 kHz, 6 312 kHz, 8 414.5 kHz, 12 577 kHz and 16 804.5 kHz in these sub-bands by ship and coast stations for distress and safety purposes, by digital selective calling, see Article **31**.

*l)* The following paired frequencies (for ship/coast stations) 4 208/4 219.5 kHz, 6 312.5/6 331 kHz, 8 415/ 8 436.5 kHz, 12 577.5/12 657 kHz, 16 805/16 903 kHz, 18 898.5/19 703.5 kHz, 22 374.5/22 444 kHz and 25 208.5/26 121 kHz are the first choice international frequencies for digital selective calling (see Article **54**).

*m)* Frequencies from these frequency bands may also be used for A1A or A1B Morse telegraphy (working) (see Part B, Section II).

*n)* The frequencies 4 210 kHz, 6 314 kHz, 8 416.5 kHz, 12 579 kHz, 16 806.5 kHz, 19 680.5 kHz, 22 376 kHz and 26 100.5 kHz are the exclusive international frequencies for the transmission of maritime safety information (MSI) (see Articles **31** and **33**).

*o)* The frequency 4 209.5 kHz is an exclusive international frequency for the transmission of NAVTEX type information (see Articles **31** and **33**).

*p)* These sub-bands, except the frequencies referred to in Notes *j)*, *n)* and *o)*, may be used for the initial testing and the possible future introduction within the maritime mobile service of new digital technologies. Stations using these sub-bands for this purpose shall not cause harmful interference to, and shall not claim protection from, other stations operating in accordance with Article **5**.

PART B – Channelling arrangements     (WRC-07)

Section I – Radiotelephony

1 Radiotelephone channelling arrangements for the frequencies to be used by coast and ship stations in the bands allocated to the maritime mobile service are indicated in the following Sub-Sections:

*Sub-Section A* – Table of single-sideband transmitting frequencies (kHz) for duplex (two-frequency) operation;

*Sub-Section B* – Table of single-sideband transmitting frequencies (kHz) for simplex (single‑frequency) operation and for intership cross-band (two-frequency) operation;

*Sub-Section C-1* – Table of recommended single-sideband transmitting frequencies (kHz) for ship stations in the band 4 000-4 063 kHz shared with the fixed service;

*Sub-Section C-2* – Table of recommended single-sideband transmitting frequencies (kHz) for ship and coast stations in the band 8 100-8 195 kHz shared with the fixed service.

2 The technical characteristics for single-sideband transmitters are specified in Recommendation ITU‑R M.1173.

3 One or more series of frequencies from Sub-Section A (with the exception of those frequencies mentioned in § 5 below) may be assigned to each coast station, which uses these frequencies associated in pairs (see No. **52.226**); each pair consists of a transmitting and a receiving frequency. The series shall be selected with due regard to the areas served and so as to avoid, as far as possible, harmful interference between the services of different coast stations.

4 The frequencies in Sub-Section B are provided for worldwide common use by ships of all categories, according to traffic requirements, for ship transmissions to coast stations and for intership communication. They are also authorized for worldwide common use for transmissions by coast stations (simplex operation) provided the peak envelope power does not exceed 1 kW.

5 The following frequencies in Sub-Section A are allocated for calling purposes:

– Channel No. 421 in the 4 MHz band;

– Channel No. 606 in the 6 MHz band;

– Channel No. 821 in the 8 MHz band;

– Channel No. 1221 in the 12 MHz band;

– Channel No. 1621 in the 16 MHz band;

– Channel No. 1806 in the 18 MHz band;

– Channel No. 2221 in the 22 MHz band;

– Channel No. 2510 in the 25 MHz band.

Calling on the carrier frequencies 12 290 kHz and 16 420 kHz shall be permitted only to and from rescue coordination centres (see No. **30.6.1**), subject to the safeguards of Resolution **352 (WRC‑03)** (see Nos. **52.221A** and **52.222A**).

The remaining frequencies in Sub‑Sections A, B, C‑1 and C‑2 are working frequencies.     (WRC‑03)

5A For the use of the carrier frequencies:

   4 125 kHz (Channel No. 421);
  6 215 kHz (Channel No. 606);
  8 291 kHz (Channel No. 833);
12 290 kHz (Channel No. 1221);
16 420 kHz (Channel No. 1621);

in Sub-Section A, by coast and ship stations for distress and safety purposes, see Article **31**.   (WRC‑07)

6 *a)* Maritime radiotelephone stations using single-sideband emissions in the bands between 4 000 kHz and 27 500 kHz exclusively allocated to the maritime mobile service shall operate only on the carrier frequencies shown in the Sub-Sections A and B and, in the case of analogue radiotelephony, shall be in conformity with the technical characteristics specified in Recommendation ITU‑R M.1173.

 *b)* Ship stations, when using frequencies for single-sideband emissions in the bands 4 000-4 063 kHz and ship and coast stations, when using frequencies for single-sideband emissions in the band 8 100-8 195 kHz should operate on the carrier frequencies indicated in Sub-Sections C‑1 and C‑2 respectively. In the case of analogue radiotelephony technical characteristics of the equipment shall be those specified in Recommendation ITU‑R M.1173.

 *c)* Stations, when employing the single-sideband mode for analogue radio­telephony, shall use only class J3E emissions. For digital communications, class J2D emissions shall be used.     (WRC‑03)

7 The channelling plan established in Sub-Section C-2 does not prejudice the rights of administrations to establish, and to notify assignments to stations in the maritime mobile service other than those using radiotelephony in the band 8 100-8 195 kHz, in conformity with the relevant provisions of these Regulations.

8 (SUP - WRC-03)

Sub-Section A

Table of single-sideband transmitting frequencies (kHz) for duplex
(two-frequency) operation

|  |  |
| --- | --- |
|  | 4 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 401 | 4 357 | 4 358.4 | 4 065 | 4 066.4 |
| 402 | 4 360 | 4 361.4 | 4 068 | 4 069.4 |
| 403 | 4 363 | 4 364.4 | 4 071 | 4 072.4 |
| 404 | 4 366 | 4 367.4 | 4 074 | 4 075.4 |
| 405 | 4 369 | 4 370.4 | 4 077 | 4 078.4 |
| 406 | 4 372 | 4 373.4 | 4 080 | 4 081.4 |
| 407 | 4 375 | 4 376.4 | 4 083 | 4 084.4 |
| 408 | 4 378 | 4 379.4 | 4 086 | 4 087.4 |
| 409 | 4 381 | 4 382.4 | 4 089 | 4 090.4 |
| 410 | 4 384 | 4 385.4 | 4 092 | 4 093.4 |
| 411 | 4 387 | 4 388.4 | 4 095 | 4 096.4 |
| 412 | 4 390 | 4 391.4 | 4 098 | 4 099.4 |
| 413 | 4 393 | 4 394.4 | 4 101 | 4 102.4 |
| 414 | 4 396 | 4 397.4 | 4 104 | 4 105.4 |
| 415 | 4 399 | 4 400.4 | 4 107 | 4 108.4 |
| 416 | 4 402 | 4 403.4 | 4 110 | 4 111.4 |
| 417 | 4 405 | 4 406.4 | 4 113 | 4 114.4 |
| 418 | 4 408 | 4 409.4 | 4 116 | 4 117.4 |
| 419 | 4 411 | 4 412.4 | 4 119 | 4 120.4 |
| 420 | 4 414 | 4 415.4 | 4 122 | 4 123.4 |
| 421 | 4 417 \* | 4 418.4 \* | 4 125 \* 4 | 4 126.4 \* |
| 422 | 4 420 | 4 421.4 | 4 128 | 4 129.4 |
| 423 | 4 423 | 4 424.4 | 4 131 | 4 132.4 |
| 424 | 4 426 | 4 427.4 | 4 134 | 4 135.4 |
| 425 | 4 429 | 4 430.4 | 4 137 | 4 138.4 |
| 426 | 4 432 | 4 433.4 | 4 140 | 4 141.4 |
| 427 | 4 435 | 4 436.4 | 4 143 | 4 144.4 |
| 428  1, 3 | 4 351 | 4 352.4 | – | – |
| 429  1, 3 | 4 354 | 4 355.4 | – | – |

|  |  |
| --- | --- |
|  | 6 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 601 | 6 501 | 6 502.4 | 6 200 | 6 201.4 |
| 602 | 6 504 | 6 505.4 | 6 203 | 6 204.4 |
| 603 | 6 507 | 6 508.4 | 6 206 | 6 207.4 |
| 604 | 6 510 | 6 511.4 | 6 209 | 6 210.4 |
| 605 | 6 513 | 6 514.4 | 6 212 | 6 213.4 |
| 606 | 6 516 \* | 6 517.4 \* | 6 215 \* 5 | 6 216.4 \* |
| 607 | 6 519 | 6 520.4 | 6 218 | 6 219.4 |
| 608 | 6 522 | 6 523.4 | 6 221 | 6 222.4 |

|  |  |
| --- | --- |
|  | 8 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 801 | 8 719 | 8 720.4 | 8 195 | 8 196.4 |
| 802 | 8 722 | 8 723.4 | 8 198 | 8 199.4 |
| 803 | 8 725 | 8 726.4 | 8 201 | 8 202.4 |
| 804 | 8 728 | 8 729.4 | 8 204 | 8 205.4 |
| 805 | 8 731 | 8 732.4 | 8 207 | 8 208.4 |
| 806 | 8 734 | 8 735.4 | 8 210 | 8 211.4 |
| 807 | 8 737 | 8 738.4 | 8 213 | 8 214.4 |
| 808 | 8 740 | 8 741.4 | 8 216 | 8 217.4 |
| 809 | 8 743 | 8 744.4 | 8 219 | 8 220.4 |
| 810 | 8 746 | 8 747.4 | 8 222 | 8 223.4 |
| 811 | 8 749 | 8 750.4 | 8 225 | 8 226.4 |
| 812 | 8 752 | 8 753.4 | 8 228 | 8 229.4 |
| 813 | 8 755 | 8 756.4 | 8 231 | 8 232.4 |
| 814 | 8 758 | 8 759.4 | 8 234 | 8 235.4 |
| 815 | 8 761 | 8 762.4 | 8 237 | 8 238.4 |
| 816 | 8 764 | 8 765.4 | 8 240 | 8 241.4 |
| 817 | 8 767 | 8 768.4 | 8 243 | 8 244.4 |
| 818 | 8 770 | 8 771.4 | 8 246 | 8 247.4 |
| 819 | 8 773 | 8 774.4 | 8 249 | 8 250.4 |
| 820 | 8 776 | 8 777.4 | 8 252 | 8 253.4 |
| 821 | 8 779 \* | 8 780.4 \* | 8 255 \* | 8 256.4 \* |
| 822 | 8 782 | 8 783.4 | 8 258 | 8 259.4 |
| 823 | 8 785 | 8 786.4 | 8 261 | 8 262.4 |
| 824 | 8 788 | 8 789.4 | 8 264 | 8 265.4 |
| 825 | 8 791 | 8 792.4 | 8 267 | 8 268.4 |
| 826 | 8 794 | 8 795.4 | 8 270 | 8 271.4 |
| 827 | 8 797 | 8 798.4 | 8 273 | 8 274.4 |
| 828 | 8 800 | 8 801.4 | 8 276 | 8 277.4 |
| 829 | 8 803 | 8 804.4 | 8 279 | 8 280.4 |
| 830 | 8 806 | 8 807.4 | 8 282 | 8 283.4 |
| 831 | 8 809 | 8 810.4 | 8 285 | 8 286.4 |
| 832 | 8 812 | 8 813.4 | 8 288 | 8 289.4 |
| 833 | 8 291  7 | 8 292.4 | 8 291  7 | 8 292.4 |
| 834  3, 6 | 8 707 | 8 708.4 | – | – |
| 835  3, 6 | 8 710 | 8 711.4 | – | – |
| 836  3, 6 | 8 713 | 8 714.4 | – | – |
| 837  3, 6 | 8 716 | 8 717.4 | – | – |

|  |  |
| --- | --- |
|  | 12 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 1201 | 13 077 | 13 078.4 | 12 230 | 12 231.4 |
| 1202 | 13 080 | 13 081.4 | 12 233 | 12 234.4 |
| 1203 | 13 083 | 13 084.4 | 12 236 | 12 237.4 |
| 1204 | 13 086 | 13 087.4 | 12 239 | 12 240.4 |
| 1205 | 13 089 | 13 090.4 | 12 242 | 12 243.4 |

|  |  |
| --- | --- |
|  | 12 MHz band (*end*) |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 1206 | 13 092 | 13 093.4 | 12 245 | 12 246.4 |
| 1207 | 13 095 | 13 096.4 | 12 248 | 12 249.4 |
| 1208 | 13 098 | 13 099.4 | 12 251 | 12 252.4 |
| 1209 | 13 101 | 13 102.4 | 12 254 | 12 255.4 |
| 1210 | 13 104 | 13 105.4 | 12 257 | 12 258.4 |
| 1211 | 13 107 | 13 108.4 | 12 260 | 12 261.4 |
| 1212 | 13 110 | 13 111.4 | 12 263 | 12 264.4 |
| 1213 | 13 113 | 13 114.4 | 12 266 | 12 267.4 |
| 1214 | 13 116 | 13 117.4 | 12 269 | 12 270.4 |
| 1215 | 13 119 | 13 120.4 | 12 272 | 12 273.4 |
| 1216 | 13 122 | 13 123.4 | 12 275 | 12 276.4 |
| 1217 | 13 125 | 13 126.4 | 12 278 | 12 279.4 |
| 1218 | 13 128 | 13 129.4 | 12 281 | 12 282.4 |
| 1219 | 13 131 | 13 132.4 | 12 284 | 12 285.4 |
| 1220 | 13 134 | 13 135.4 | 12 287 | 12 288.4 |
| 1221 | 13 137 \* | 13 138.4 \* | 12 290 \* 8 | 12 291.4 \* |
| 1222 | 13 140 | 13 141.4 | 12 293 | 12 294.4 |
| 1223 | 13 143 | 13 144.4 | 12 296 | 12 297.4 |
| 1224 | 13 146 | 13 147.4 | 12 299 | 12 300.4 |
| 1225 | 13 149 | 13 150.4 | 12 302 | 12 303.4 |
| 1226 | 13 152 | 13 153.4 | 12 305 | 12 306.4 |
| 1227 | 13 155 | 13 156.4 | 12 308 | 12 309.4 |
| 1228 | 13 158 | 13 159.4 | 12 311 | 12 312.4 |
| 1229 | 13 161 | 13 162.4 | 12 314 | 12 315.4 |
| 1230 | 13 164 | 13 165.4 | 12 317 | 12 318.4 |
| 1231 | 13 167 | 13 168.4 | 12 320 | 12 321.4 |
| 1232 | 13 170 | 13 171.4 | 12 323 | 12 324.4 |
| 1233 | 13 173 | 13 174.4 | 12 326 | 12 327.4 |
| 1234 | 13 176 | 13 177.4 | 12 329 | 12 330.4 |
| 1235 | 13 179 | 13 180.4 | 12 332 | 12 333.4 |
| 1236 | 13 182 | 13 183.4 | 12 335 | 12 336.4 |
| 1237 | 13 185 | 13 186.4 | 12 338 | 12 339.4 |
| 1238 | 13 188 | 13 189.4 | 12 341 | 12 342.4 |
| 1239 | 13 191 | 13 192.4 | 12 344 | 12 345.4 |
| 1240 | 13 194 | 13 195.4 | 12 347 | 12 348.4 |
| 1241 | 13 197 | 13 198.4 | 12 350 | 12 351.4 |

|  |  |
| --- | --- |
|  | 16 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 1601 | 17 242 | 17 243.4 | 16 360 | 16 361.4 |
| 1602 | 17 245 | 17 246.4 | 16 363 | 16 364.4 |
| 1603 | 17 248 | 17 249.4 | 16 366 | 16 367.4 |
| 1604 | 17 251 | 17 252.4 | 16 369 | 16 370.4 |
| 1605 | 17 254 | 17 255.4 | 16 372 | 16 373.4 |

|  |  |
| --- | --- |
|  | 16 MHz band (*end*) |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 1606 | 17 257 | 17 258.4 | 16 375 | 16 376.4 |
| 1607 | 17 260 | 17 261.4 | 16 378 | 16 379.4 |
| 1608 | 17 263 | 17 264.4 | 16 381 | 16 382.4 |
| 1609 | 17 266 | 17 267.4 | 16 384 | 16 385.4 |
| 1610 | 17 269 | 17 270.4 | 16 387 | 16 388.4 |
| 1611 | 17 272 | 17 273.4 | 16 390 | 16 391.4 |
| 1612 | 17 275 | 17 276.4 | 16 393 | 16 394.4 |
| 1613 | 17 278 | 17 279.4 | 16 396 | 16 397.4 |
| 1614 | 17 281 | 17 282.4 | 16 399 | 16 400.4 |
| 1615 | 17 284 | 17 285.4 | 16 402 | 16 403.4 |
| 1616 | 17 287 | 17 288.4 | 16 405 | 16 406.4 |
| 1617 | 17 290 | 17 291.4 | 16 408 | 16 409.4 |
| 1618 | 17 293 | 17 294.4 | 16 411 | 16 412.4 |
| 1619 | 17 296 | 17 297.4 | 16 414 | 16 415.4 |
| 1620 | 17 299 | 17 300.4 | 16 417 | 16 418.4 |
| 1621 | 17 302 \* | 17 303.4 \* | 16 420 \* 9 | 16 421.4 \* |
| 1622 | 17 305 | 17 306.4 | 16 423 | 16 424.4 |
| 1623 | 17 308 | 17 309.4 | 16 426 | 16 427.4 |
| 1624 | 17 311 | 17 312.4 | 16 429 | 16 430.4 |
| 1625 | 17 314 | 17 315.4 | 16 432 | 16 433.4 |
| 1626 | 17 317 | 17 318.4 | 16 435 | 16 436.4 |
| 1627 | 17 320 | 17 321.4 | 16 438 | 16 439.4 |
| 1628 | 17 323 | 17 324.4 | 16 441 | 16 442.4 |
| 1629 | 17 326 | 17 327.4 | 16 444 | 16 445.4 |
| 1630 | 17 329 | 17 330.4 | 16 447 | 16 448.4 |
| 1631 | 17 332 | 17 333.4 | 16 450 | 16 451.4 |
| 1632 | 17 335 | 17 336.4 | 16 453 | 16 454.4 |
| 1633 | 17 338 | 17 339.4 | 16 456 | 16 457.4 |
| 1634 | 17 341 | 17 342.4 | 16 459 | 16 460.4 |
| 1635 | 17 344 | 17 345.4 | 16 462 | 16 463.4 |
| 1636 | 17 347 | 17 348.4 | 16 465 | 16 466.4 |
| 1637 | 17 350 | 17 351.4 | 16 468 | 16 469.4 |
| 1638 | 17 353 | 17 354.4 | 16 471 | 16 472.4 |
| 1639 | 17 356 | 17 357.4 | 16 474 | 16 475.4 |
| 1640 | 17 359 | 17 360.4 | 16 477 | 16 478.4 |
| 1641 | 17 362 | 17 363.4 | 16 480 | 16 481.4 |
| 1642 | 17 365 | 17 366.4 | 16 483 | 16 484.4 |
| 1643 | 17 368 | 17 369.4 | 16 486 | 16 487.4 |
| 1644 | 17 371 | 17 372.4 | 16 489 | 16 490.4 |
| 1645 | 17 374 | 17 375.4 | 16 492 | 16 493.4 |
| 1646 | 17 377 | 17 378.4 | 16 495 | 16 496.4 |
| 1647 | 17 380 | 17 381.4 | 16 498 | 16 499.4 |
| 1648 | 17 383 | 17 384.4 | 16 501 | 16 502.4 |
| 1649 | 17 386 | 17 387.4 | 16 504 | 16 505.4 |
| 1650 | 17 389 | 17 390.4 | 16 507 | 16 508.4 |
| 1651 | 17 392 | 17 393.4 | 16 510 | 16 511.4 |
| 1652 | 17 395 | 17 396.4 | 16 513 | 16 514.4 |
| 1653 | 17 398 | 17 399.4 | 16 516 | 16 517.4 |
| 1654 | 17 401 | 17 402.4 | 16 519 | 16 520.4 |
| 1655 | 17 404 | 17 405.4 | 16 522 | 16 523.4 |
| 1656 | 17 407 | 17 408.4 | 16 525 | 16 526.4 |

|  |  |
| --- | --- |
|  | 18/19 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 1801 | 19 755 | 19 756.4 | 18 780 | 18 781.4 |
| 1802 | 19 758 | 19 759.4 | 18 783 | 18 784.4 |
| 1803 | 19 761 | 19 762.4 | 18 786 | 18 787.4 |
| 1804 | 19 764 | 19 765.4 | 18 789 | 18 790.4 |
| 1805 | 19 767 | 19 768.4 | 18 792 | 18 793.4 |
| 1806  | 19 770 \* | 19 771.4 \* | 18 795 \* | 18 796.4 \* |
| 1807 | 19 773 | 19 774.4 | 18 798 | 18 799.4 |
| 1808 | 19 776 | 19 777.4 | 18 801 | 18 802.4 |
| 1809 | 19 779 | 19 780.4 | 18 804 | 18 805.4 |
| 1810 | 19 782 | 19 783.4 | 18 807 | 18 808.4 |
| 1811 | 19 785 | 19 786.4 | 18 810 | 18 811.4 |
| 1812 | 19 788 | 19 789.4 | 18 813 | 18 814.4 |
| 1813 | 19 791 | 19 792.4 | 18 816 | 18 817.4 |
| 1814 | 19 794 | 19 795.4 | 18 819 | 18 820.4 |
| 1815 | 19 797 | 19 798.4 | 18 822 | 18 823.4 |

|  |  |
| --- | --- |
|  | 22 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 2201 | 22 696 | 22 697.4 | 22 000 | 22 001.4 |
| 2202 | 22 699 | 22 700.4 | 22 003 | 22 004.4 |
| 2203 | 22 702 | 22 703.4 | 22 006 | 22 007.4 |
| 2204 | 22 705 | 22 706.4 | 22 009 | 22 010.4 |
| 2205 | 22 708 | 22 709.4 | 22 012 | 22 013.4 |
| 2206 | 22 711 | 22 712.4 | 22 015 | 22 016.4 |
| 2207 | 22 714 | 22 715.4 | 22 018 | 22 019.4 |
| 2208 | 22 717 | 22 718.4 | 22 021 | 22 022.4 |
| 2209 | 22 720 | 22 721.4 | 22 024 | 22 025.4 |
| 2210 | 22 723 | 22 724.4 | 22 027 | 22 028.4 |
| 2211 | 22 726 | 22 727.4 | 22 030 | 22 031.4 |
| 2212 | 22 729 | 22 730.4 | 22 033 | 22 034.4 |
| 2213 | 22 732 | 22 733.4 | 22 036 | 22 037.4 |
| 2214 | 22 735 | 22 736.4 | 22 039 | 22 040.4 |
| 2215 | 22 738 | 22 739.4 | 22 042 | 22 043.4 |
| 2216 | 22 741 | 22 742.4 | 22 045 | 22 046.4 |
| 2217 | 22 744 | 22 745.4 | 22 048 | 22 049.4 |
| 2218 | 22 747 | 22 748.4 | 22 051 | 22 052.4 |
| 2219 | 22 750 | 22 751.4 | 22 054 | 22 055.4 |
| 2220 | 22 753 | 22 754.4 | 22 057 | 22 058.4 |
| 2221 | 22 756 \* | 22 757.4 \* | 22 060 \* | 22 061.4 \* |
| 2222 | 22 759 | 22 760.4 | 22 063 | 22 064.4 |
| 2223 | 22 762 | 22 763.4 | 22 066 | 22 067.4 |
| 2224 | 22 765 | 22 766.4 | 22 069 | 22 070.4 |
| 2225 | 22 768 | 22 769.4 | 22 072 | 22 073.4 |

|  |  |
| --- | --- |
|  | 22 MHz band (*end*) |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 2226 | 22 771 | 22 772.4 | 22 075 | 22 076.4 |
| 2227 | 22 774 | 22 775.4 | 22 078 | 22 079.4 |
| 2228 | 22 777 | 22 778.4 | 22 081 | 22 082.4 |
| 2229 | 22 780 | 22 781.4 | 22 084 | 22 085.4 |
| 2230 | 22 783 | 22 784.4 | 22 087 | 22 088.4 |
| 2231 | 22 786 | 22 787.4 | 22 090 | 22 091.4 |
| 2232 | 22 789 | 22 790.4 | 22 093 | 22 094.4 |
| 2233 | 22 792 | 22 793.4 | 22 096 | 22 097.4 |
| 2234 | 22 795 | 22 796.4 | 22 099 | 22 100.4 |
| 2235 | 22 798 | 22 799.4 | 22 102 | 22 103.4 |
| 2236 | 22 801 | 22 802.4 | 22 105 | 22 106.4 |
| 2237 | 22 804 | 22 805.4 | 22 108 | 22 109.4 |
| 2238 | 22 807 | 22 808.4 | 22 111 | 22 112.4 |
| 2239 | 22 810 | 22 811.4 | 22 114 | 22 115.4 |
| 2240 | 22 813 | 22 814.4 | 22 117 | 22 118.4 |
| 2241 | 22 816 | 22 817.4 | 22 120 | 22 121.4 |
| 2242 | 22 819 | 22 820.4 | 22 123 | 22 124.4 |
| 2243 | 22 822 | 22 823.4 | 22 126 | 22 127.4 |
| 2244 | 22 825 | 22 826.4 | 22 129 | 22 130.4 |
| 2245 | 22 828 | 22 829.4 | 22 132 | 22 133.4 |
| 2246 | 22 831 | 22 832.4 | 22 135 | 22 136.4 |
| 2247 | 22 834 | 22 835.4 | 22 138 | 22 139.4 |
| 2248 | 22 837 | 22 838.4 | 22 141 | 22 142.4 |
| 2249 | 22 840 | 22 841.4 | 22 144 | 22 145.4 |
| 2250 | 22 843 | 22 844.4 | 22 147 | 22 148.4 |
| 2251 | 22 846 | 22 847.4 | 22 150 | 22 151.4 |
| 2252 | 22 849 | 22 850.4 | 22 153 | 22 154.4 |
| 2253 | 22 852 | 22 853.4 | 22 156 | 22 157.4 |

|  |  |
| --- | --- |
|  | 25/26 MHz band |
| Channel No. | Coast stations | Ship stations |
|  | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 2501 | 26 145 | 26 146.4 | 25 070 | 25 071.4 |
| 2502 | 26 148 | 26 149.4 | 25 073 | 25 074.4 |
| 2503 | 26 151 | 26 152.4 | 25 076 | 25 077.4 |
| 2504 | 26 154 | 26 155.4 | 25 079 | 25 080.4 |
| 2505 | 26 157 | 26 158.4 | 25 082 | 25 083.4 |
| 2506 | 26 160 | 26 161.4 | 25 085 | 25 086.4 |
| 2507 | 26 163 | 26 164.4 | 25 088 | 25 089.4 |
| 2508 | 26 166 | 26 167.4 | 25 091 | 25 092.4 |
| 2509 | 26 169 | 26 170.4 | 25 094 | 25 095.4 |
| 2510 | 26 172 \* | 26 173.4 \* | 25 097 \* | 25 098.4 \* |

1 These coast station frequencies may be paired with a ship station frequency from the Table of simplex frequencies for ship and coast stations (see Sub‑Section B) or with a frequency from the band 4 000-4 063 kHz (see Sub‑Section C-1) to be selected by the administration concerned.

2 (SUP - WRC‑2000)

3 These channels may also be used for simplex (single frequency) operation.

4 For the conditions of use of the carrier frequency 4 125 kHz, see Nos. **52.224** and **52.225**, and Appendix **15**.

5 For the conditions of use of the carrier frequency 6 215 kHz, see Appendix **15**.     (WRC-07)

6 These coast station frequencies may be paired with a ship station frequency from the Table of simplex frequencies for ship and coast stations (see Sub‑Section B) or with a frequency from the band 8 100-8 195 kHz (see Sub‑Section C-2) to be selected by the administration concerned.

7 For the conditions of use of the carrier frequency 8 291 kHz, see Appendix **15**.

8 For the conditions of use of the carrier frequency 12 290 kHz, see Nos. **52.221A** and **52.222A** and Appendix **15**.     (WRC‑2000)

9 For the conditions of use of the carrier frequency 16 420 kHz, see Nos. **52.221A** and **52.222A** and Appendix **15**.     (WRC‑2000)

\* The frequencies followed by an asterisk are calling frequencies (see Nos. **52.221** and **52.222**).

Sub-Section B

**Table of single-sideband transmitting frequencies (kHz) for simplex (single-frequency)
operation and for intership cross-band (two-frequency) operation**

(See § 4 of Section I of this Appendix)

|  |  |  |  |
| --- | --- | --- | --- |
| 4 MHz band1 | 6 MHz band | 8 MHz band2 | 12 MHz band3 |
| Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 4 1464 149 | 4 147.44 150.4 | 6 2246 2276 230 | 6 225.46 228.46 231.4 | 8 2948 297 | 8 295.48 298.4 | 12 35312 35612 36212 365 | 12 354.412 357.412 363.412 366.4 |
| 1 These frequencies may be used for duplex operation with coast stations operating on Channel Nos. 428 and 429 (see Sub‑Section A).2 These frequencies may be used for duplex operation with coast stations operating on Channel Nos. 834 up to and including 837 (see Sub-Section A).3 For use of frequencies 12 359 kHz and 16 537 kHz, see Nos. **52.221A** and **52.222A**.     (WRC‑2000) |

|  |  |  |  |
| --- | --- | --- | --- |
| 16 MHz band3 | 18/19 MHz band | 22 MHz band | 25/26 MHz band |
| Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency | Carrier frequency | Assigned frequency |
| 16 52816 53116 53416 54016 54316 546 | 16 529.416 532.416 535.416 541.416 544.416 547.4 | 18 82518 82818 83118 83418 83718 84018 843 | 18 826.418 829.418 832.418 835.418 838.418 841.418 844.4 | 22 15922 16222 16522 16822 17122 17422 177 | 22 160.422 163.422 166.422 169.422 172.422 175.422 178.4 | 25 10025 10325 10625 10925 11225 11525 118 | 25 101.425 104.425 107.425 110.425 113.425 116.425 119.4 |
| 3 For use of frequencies 12 359 kHz and 16 537 kHz, see Nos. **52.221A** and **52.222A**.     (WRC‑2000) |

Sub-Section C-1

**Table of recommended single-sideband transmitting frequencies (kHz) for
ship stations in the band 4 000-4 063 kHz shared with the fixed service**

The frequencies in this Sub‑Section may be used:

– for supplementing ship-to-shore channels for duplex operation in Sub-Section A;

– for intership simplex (single-frequency) and cross-band operation;

– for cross-band working with coast stations on channels in Sub‑Section C-2;

– for duplex operation with coast stations working in the band 4 438-4 650 kHz;

– for duplex operation with Channel Nos. 428 and 429.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Channel No. | Carrier frequency | Assigned frequency | Channel No. | Carrier frequency | Assigned frequency |
|  1 |  4 000\* |  4 001.4\* | 12 | 4 033 | 4 034.4 |
|  2 |  4 003\* |  4 004.4\* | 13 | 4 036 | 4 037.4 |
|  3 |  4 006 |  4 007.4 | 14 | 4 039 | 4 040.4 |
|  4 |  4 009 |  4 010.4 | 15 | 4 042 | 4 043.4 |
|  5 |  4 012 |  4 013.4 | 16 | 4 045 | 4 046.4 |
|  6 |  4 015 |  4 016.4 | 17 | 4 048 | 4 049.4 |
|  7 |  4 018 |  4 019.4 | 18 | 4 051 | 4 052.4 |
|  8 |  4 021 |  4 022.4 | 19 | 4 054 | 4 055.4 |
|  9 |  4 024 |  4 025.4 | 20 | 4 057 | 4 058.4 |
| 10 |  4 027 |  4 028.4 | 21 | 4 060 | 4 061.4 |
| 11 |  4 030 |  4 031.4 |  |  |  |
| \* Administrations are requested to urge ship stations under their jurisdiction to refrain from using the band 4 000-4 005 kHz when navigating in Region 3 (see also No. **5.126**). |

Sub-Section C-2

**Table of recommended single-sideband transmitting frequencies (kHz) for ship
and coast stations in the band 8 100-8 195 kHz shared with the fixed service**

(See § 7 of Section I of this Appendix)

The frequencies in this Sub-Section may be used:

– for supplementing ship-to-shore and shore-to-ship channels for duplex operation in Sub‑Section A;

– for intership simplex (single frequency) and cross-band operation;

– for cross-band working with ship stations on channels in Sub‑Section C-1;

– for ship-to-shore or shore-to-ship simplex operation;

– for duplex operation with Channel Nos. 834, 835, 836 and 837.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Channel No. | Carrier frequency | Assigned frequency | Channel No. | Carrier frequency | Assigned frequency |
|  1 | 8 101 | 8 102.4 | 17 | 8 149 | 8 150.4 |
|  2 | 8 104 | 8 105.4 | 18 | 8 152 | 8 153.4 |
|  3 | 8 107 | 8 108.4 | 19 | 8 155 | 8 156.4 |
|  4 | 8 110 | 8 111.4 | 20 | 8 158 | 8 159.4 |
|  5 | 8 113 | 8 114.4 | 21 | 8 161 | 8 162.4 |
|  6 | 8 116 | 8 117.4 | 22 | 8 164 | 8 165.4 |
|  7 | 8 119 | 8 120.4 | 23 | 8 167 | 8 168.4 |
|  8 | 8 122 | 8 123.4 | 24 | 8 170 | 8 171.4 |
|  9 | 8 125 | 8 126.4 | 25 | 8 173 | 8 174.4 |
| 10 | 8 128 | 8 129.4 | 26 | 8 176 | 8 177.4 |
| 11 | 8 131 | 8 132.4 | 27 | 8 179 | 8 180.4 |
| 12 | 8 134 | 8 135.4 | 28 | 8 182 | 8 183.4 |
| 13 | 8 137 | 8 138.4 | 29 | 8 185 | 8 186.4 |
| 14 | 8 140 | 8 141.4 | 30 | 8 188 | 8 189.4 |
| 15 | 8 143 | 8 144.4 | 31 | 8 191 | 8 192.4 |
| 16 | 8 146 | 8 147.4 |  |  |  |

Section II – Narrow-band direct-printing telegraphy (paired frequencies)

1 Each coast station which uses paired frequencies is assigned one or more frequency pairs from the following series; each pair consists of a transmitting and a receiving frequency.

2 The speed of the narrow-band direct-printing telegraphy and data systems shall not exceed 100 Bd for FSK and 200 Bd for PSK.

Table of frequencies for two-frequency operation by coast stations (kHz)

|  |  |  |  |
| --- | --- | --- | --- |
| Channel | 4 MHz band 1 | 6 MHz band 3 | 8 MHz band 4 |
| No. | Transmit | Receive | Transmit | Receive | Transmit | Receive |
|  1 2 3 4 5 | 4 210.54 2114 211.54 2124 212.5 | 4 172.54 1734 173.54 1744 174.5 | 6 314.56 3156 315.56 3166 316.5 | 6 2636 263.56 2646 264.56 265 | 8 376.5 28 4178 417.58 4188 418.5 | 8 376.5 28 3778 377.58 3788 378.5 |
|  6 7 8 910 | 4 2134 213.54 2144 214.54 215 | 4 1754 175.54 1764 176.54 177 | 6 3176 317.56 3186 318.56 319 | 6 265.56 2666 266.56 2676 267.5 | 8 4198 419.58 4208 420.58 421 | 8 3798 379.58 3808 380.58 381 |
| 1112131415 | 4 177.5 24 215.54 2164 216.54 217 | 4 177.5 24 1784 178.54 1794 179.5 | 6 268 26 319.56 3206 320.56 321 | 6 268 26 268.56 2696 269.56 270 | 8 421.58 4228 422.58 4238 423.5 | 8 381.58 3828 382.58 3838 383.5 |
| 1617181920 | 4 217.54 2184 218.54 219 | 4 1804 180.54 1814 181.5 | 6 321.56 3226 322.56 3236 323.5 | 6 270.56 2716 271.56 2726 272.5 | 8 4248 424.58 4258 425.58 426 | 8 3848 384.58 3858 385.58 386 |
| 2122232425 |  |  | 6 3246 324.56 3256 325.56 326 | 6 2736 273.56 2746 274.56 275 | 8 426.58 4278 427.58 4288 428.5 | 8 386.58 3878 387.58 3888 388.5 |
| 2627282930 |  |  | 6 326.56 3276 327.56 3286 328.5 | 6 275.56 2816 281.56 2826 282.5 | 8 4298 429.58 4308 430.58 431 | 8 3898 389.58 3908 390.58 391 |
| 3132333435 |  |  | 6 3296 329.56 3306 330.5 | 6 2836 283.56 2846 284.5 | 8 431.58 4328 432.58 4338 433.5 | 8 391.58 3928 392.58 3938 393.5 |
| 3637383940 |  |  |  |  | 8 4348 434.58 4358 435.58 436 | 8 3948 394.58 3958 395.58 396 |
| 1 Ship stations may use the coast station receiving frequencies for transmitting A1A or A1B Morse telegraphy (working), with the exception of channel No. 11 (see Appendix **15**).2 For the conditions of use of this frequency, see Article **31**.3 Ship stations may use the coast station receiving frequencies of channel Nos. 25 up to and including 34 for transmitting A1A or A1B Morse telegraphy (working).4 Ship stations may use the coast station receiving frequencies of channel Nos. 29 up to and including 40 for transmitting A1A or A1B Morse telegraphy (working). |

Table of frequencies for two-frequency operation by coast stations (kHz)

|  |  |  |  |
| --- | --- | --- | --- |
| Channel | 12 MHz band 5 | 16 MHz band 6 | 18/19 MHz band |
| No. | Transmit | Receive | Transmit | Receive | Transmit | Receive |
|  1 2 3 4 5 | 12 579.512 58012 580.512 58112 581.5 | 12 47712 477.512 47812 478.512 479 | 16 80716 807.516 80816 808.516 809 | 16 683.516 68416 684.516 68516 685.5 | 19 68119 681.519 68219 682.519 683 | 18 870.518 87118 871.518 87218 872.5 |
|  6 7 8 910 | 12 58212 582.512 58312 583.512 584 | 12 479.512 48012 480.512 48112 481.5 | 16 809.516 81016 810.516 81116 811.5 | 16 68616 686.516 68716 687.516 688 | 19 683.519 68419 684.519 68519 685.5 | 18 87318 873.518 87418 874.518 875 |
| 1112131415 | 12 584.512 58512 585.512 58612 586.5 | 12 48212 482.512 48312 483.512 484 | 16 81216 812.516 81316 813.516 814 | 16 688.516 68916 689.516 69016 690.5 | 19 68619 686.519 68719 687.519 688 | 18 875.518 87618 876.518 87718 877.5 |
| 1617181920 | 12 58712 587.512 58812 588.512 589 | 12 484.512 48512 485.512 48612 486.5 | 16 814.516 81516 815.516 81616 816.5 | 16 69116 691.516 69216 692.516 693 | 19 688.519 68919 689.519 69019 690.5 | 18 87818 878.518 87918 879.518 880 |
| 2122232425 | 12 589.512 59012 590.512 59112 591.5 | 12 48712 487.512 48812 488.512 489 | 16 81716 817.516 81816 695 216 818.5 | 16 693.516 69416 694.516 695 216 695.5 | 19 69119 691.519 69219 692.519 693 | 18 880.518 88118 881.518 88218 882.5 |
| 2627282930 | 12 59212 592.512 59312 593.512 594 | 12 489.512 49012 490.512 49112 491.5 | 16 81916 819.516 82016 820.516 821 | 16 69616 696.516 69716 697.516 698 | 19 693.519 69419 694.519 69519 695.5 | 18 88318 883.518 88418 884.518 885 |
| 3132333435 | 12 594.512 59512 595.512 59612 596.5 | 12 49212 492.512 49312 493.512 494 | 16 821.516 82216 822.516 82316 823.5 | 16 698.516 69916 699.516 70016 700.5 | 19 69619 696.519 69719 697.519 698 | 18 885.518 88618 886.518 88718 887.5 |
| 3637383940 | 12 59712 597.512 59812 598.512 599 | 12 494.512 49512 495.512 49612 496.5 | 16 82416 824.516 82516 825.516 826 | 16 70116 701.516 70216 702.516 703 | 19 698.519 69919 699.519 70019 700.5 | 18 88818 888.518 88918 889.518 890 |
| 4142434445 | 12 599.512 60012 600.512 60112 601.5 | 12 49712 497.512 49812 498.512 499 | 16 826.516 82716 827.516 82816 828.5 | 16 703.516 70416 704.516 70516 705.5 | 19 70119 701.519 70219 702.519 703 | 18 890.518 89118 891.518 89218 892.5 |
| 5 Ship stations may use the coast station receiving frequencies of channel Nos. 58 up to and including 156 for transmitting A1A or A1B Morse telegraphy (working), with the exception of channel No. 87 (see Appendix **15**).6 Ship stations may use the coast station receiving frequencies of channel Nos. 71 up to and including 193 for transmitting A1A or A1B Morse telegraphy (working). |

Table of frequencies for two-frequency operation by coast stations (kHz)

|  |  |  |
| --- | --- | --- |
| Channel | 12 MHz band 5 (*cont.*) | 16 MHz band 6 (*cont.)* |
| No. | Transmit | Receive | Transmit | Receive |
| 4647484950 | 12 60212 602.512 60312 603.512 604 | 12 499.512 50012 500.512 50112 501.5 | 16 82916 829.516 83016 830.516 831 | 16 70616 706.516 70716 707.516 708 |
| 5152535455 | 12 604.512 60512 605.512 60612 606.5 | 12 50212 502.512 50312 503.512 504 | 16 831.516 83216 832.516 83316 833.5 | 16 708.516 70916 709.516 71016 710.5 |
| 5657585960 | 12 60712 607.512 60812 608.512 609 | 12 504.512 50512 505.512 50612 506.5 | 16 83416 834.516 83516 835.516 836 | 16 71116 711.516 71216 712.516 713 |
| 6162636465 | 12 609.512 61012 610.512 61112 611.5 | 12 50712 507.512 50812 508.512 509 | 16 836.516 83716 837.516 83816 838.5 | 16 713.516 71416 714.516 71516 715.5 |
| 6667686970 | 12 61212 612.512 61312 613.512 614 | 12 509.512 51012 510.512 51112 511.5 | 16 83916 839.516 84016 840.516 841 | 16 71616 716.516 71716 717.516 718 |
| 7172737475 | 12 614.512 61512 615.512 61612 616.5 | 12 51212 512.512 51312 513.512 514 | 16 841.516 84216 842.516 84316 843.5 | 16 718.516 71916 719.516 72016 720.5 |
| 7677787980 | 12 61712 617.512 61812 618.512 619 | 12 514.512 51512 515.512 51612 516.5 | 16 84416 844.516 84516 845.516 846 | 16 72116 721.516 72216 722.516 723 |
| 8182838485 | 12 619.512 62012 620.512 62112 621.5 | 12 51712 517.512 51812 518.512 519 | 16 846.516 84716 847.516 84816 848.5 | 16 723.516 72416 724.516 72516 725.5 |
| 8687888990 | 12 62212 520 212 622.512 62312 623.5 | 12 519.512 520 212 520.512 52112 521.5 | 16 84916 849.516 85016 850.516 851 | 16 72616 726.516 72716 727.516 728 |
| 9192939495 | 12 62412 624.512 62512 625.512 626 | 12 52212 522.512 52312 523.512 524 | 16 851.516 85216 852.516 85316 853.5 | 16 728.516 72916 729.516 73016 730.5 |

Table of frequencies for two-frequency operation by coast stations (kHz)

|  |  |  |
| --- | --- | --- |
| Channel | 12 MHz band 5 (*cont.)* | 16 MHz band 6 (*cont.*) |
| No. | Transmit | Receive | Transmit | Receive |
|  96 97 98 99100 | 12 626.512 62712 627.512 62812 628.5 | 12 524.512 52512 525.512 52612 526.5 | 16 85416 854.516 85516 855.516 856 | 16 73116 731.516 73216 732.516 733 |
| 101102103104105 | 12 62912 629.512 63012 630.512 631 | 12 52712 527.512 52812 528.512 529 | 16 856.516 85716 857.516 85816 858.5 | 16 733.516 73916 739.516 74016 740.5 |
| 106107108109110 | 12 631.512 63212 632.512 63312 633.5 | 12 529.512 53012 530.512 53112 531.5 | 16 85916 859.516 86016 860.516 861 | 16 74116 741.516 74216 742.516 743 |
| 111112113114115 | 12 63412 634.512 63512 635.512 636 | 12 53212 532.512 53312 533.512 534 | 16 861.516 86216 862.516 86316 863.5 | 16 743.516 74416 744.516 74516 745.5 |
| 116117118119120 | 12 636.512 63712 637.512 63812 638.5 | 12 534.512 53512 535.512 53612 536.5 | 16 86416 864.516 86516 865.516 866 | 16 74616 746.516 74716 747.516 748 |
| 121122123124125 | 12 63912 639.512 64012 640.512 641 | 12 53712 537.512 53812 538.512 539 | 16 866.516 86716 867.516 86816 868.5 | 16 748.516 74916 749.516 75016 750.5 |
| 126127128129130 | 12 641.512 64212 642.512 64312 643.5 | 12 539.512 54012 540.512 54112 541.5 | 16 86916 869.516 87016 870.516 871 | 16 75116 751.516 75216 752.516 753 |
| 131132133134135 | 12 64412 644.512 64512 645.512 646 | 12 54212 542.512 54312 543.512 544 | 16 871.516 87216 872.516 87316 873.5 | 16 753.516 75416 754.516 75516 755.5 |
| 136137138139140 | 12 646.512 64712 647.512 64812 648.5 | 12 544.512 54512 545.512 54612 546.5 | 16 87416 874.516 87516 875.516 876 | 16 75616 756.516 75716 757.516 758 |
| 141142143144145 | 12 64912 649.512 65012 650.512 651 | 12 54712 547.512 54812 548.512 549 | 16 876.516 87716 877.516 87816 878.5 | 16 758.516 75916 759.516 76016 760.5 |

Table of frequencies for two-frequency operation by coast stations (kHz)

|  |  |  |
| --- | --- | --- |
| Channel | 12 MHz band 5 (*end* ) | 16 MHz band 6 (*end* ) |
| No. | Transmit | Receive | Transmit | Receive |
| 146147148149150 | 12 651.512 65212 652.512 65312 653.5 | 12 549.512 55512 555.512 55612 556.5 | 16 87916 879.516 88016 880.516 881 | 16 76116 761.516 76216 762.516 763 |
| 151152153154155 | 12 65412 654.512 65512 655.512 656 | 12 55712 557.512 55812 558.512 559 | 16 881.516 88216 882.516 88316 883.5 | 16 763.516 76416 764.516 76516 765.5 |
| 156157158159160 | 12 656.5 | 12 559.5 | 16 88416 884.516 88516 885.516 886 | 16 76616 766.516 76716 767.516 768 |
| 161162163164165 |  |  | 16 886.516 88716 887.516 88816 888.5 | 16 768.516 76916 769.516 77016 770.5 |
| 166167168169170 |  |  | 16 88916 889.516 89016 890.516 891 | 16 77116 771.516 77216 772.516 773 |
| 171172173174175 |  |  | 16 891.516 89216 892.516 89316 893.5 | 16 773.516 77416 774.516 77516 775.5 |
| 176177178179180 |  |  | 16 89416 894.516 89516 895.516 896 | 16 77616 776.516 77716 777.516 778 |
| 181182183184185 |  |  | 16 896.516 89716 897.516 89816 898.5 | 16 778.516 77916 779.516 78016 780.5 |
| 186187188189190 |  |  | 16 89916 899.516 90016 900.516 901 | 16 78116 781.516 78216 782.516 783 |
| 191192193 |  |  | 16 901.516 90216 902.5 | 16 783.516 78416 784.5 |

Table of frequencies for two-frequency operation by coast stations (kHz)

|  |  |  |
| --- | --- | --- |
| Channel | 22 MHz band 7 | 25/26 MHz band |
| No. | Transmit | Receive | Transmit | Receive |
|  1 2 3 4 5 | 22 376.522 37722 377.522 37822 378.5 | 22 284.522 28522 285.522 28622 286.5 | 26 10126 101.526 10226 102.526 103 | 25 17325 173.525 17425 174.525 175 |
|  6 7 8 910 | 22 37922 379.522 38022 380.522 381 | 22 28722 287.522 28822 288.522 289 | 26 103.526 10426 104.526 10526 105.5 | 25 175.525 17625 176.525 17725 177.5 |
| 1112131415 | 22 381.522 38222 382.522 38322 383.5 | 22 289.522 29022 290.522 29122 291.5 | 26 10626 106.526 10726 107.526 108 | 25 17825 178.525 17925 179.525 180 |
| 1617181920 | 22 38422 384.522 38522 385.522 386 | 22 29222 292.522 29322 293.522 294 | 26 108.526 10926 109.526 11026 110.5 | 25 180.525 18125 181.525 18225 182.5 |
| 2122232425 | 22 386.522 38722 387.522 38822 388.5 | 22 294.522 29522 295.522 29622 296.5 | 26 11126 111.526 11226 112.526 113 | 25 18325 183.525 18425 184.525 185 |
| 2627282930 | 22 38922 389.522 39022 390.522 391 | 22 29722 297.522 29822 298.522 299 | 26 113.526 11426 114.526 11526 115.5 | 25 185.525 18625 186.525 18725 187.5 |
| 3132333435 | 22 391.522 39222 392.522 39322 393.5 | 22 299.522 30022 300.522 30122 301.5 | 26 11626 116.526 11726 117.526 118 | 25 18825 188.525 18925 189.525 190 |
| 3637383940 | 22 39422 394.522 39522 395.522 396 | 22 30222 302.522 30322 303.522 304 | 26 118.526 11926 119.526 12026 120.5 | 25 190.525 19125 191.525 19225 192.5 |
| 4142434445 | 22 396.522 39722 397.522 39822 398.5 | 22 304.522 30522 305.522 30622 306.5 |  |  |
| 4647484950 | 22 39922 399.522 40022 400.522 401 | 22 30722 307.522 30822 308.522 309 |  |  |
| 7 Ship stations may use the coast station receiving frequencies of channels No. 68 up to and including 135 for transmitting A1A or A1B Morse telegraphy (working). |

Table of frequencies for two-frequency
operation by coast stations (kHz)

|  |  |
| --- | --- |
| Channel | 22 MHz band 7 (*cont.*) |
| No. | Transmit | Receive |
|  51 52 53 54 55 | 22 401.522 40222 402.522 40322 403.5 | 22 309.522 31022 310.522 31122 311.5 |
|  56 57 58 59 60 | 22 40422 404.522 40522 405.522 406 | 22 31222 312.522 31322 313.522 314 |
|  61 62 63 64 65 | 22 406.522 40722 407.522 40822 408.5 | 22 314.522 31522 315.522 31622 316.5 |
|  66 67 68 69 70 | 22 40922 409.522 41022 410.522 411 | 22 31722 317.522 31822 318.522 319 |
|  71 72 73 74 75 | 22 411.522 41222 412.522 41322 413.5 | 22 319.522 32022 320.522 32122 321.5 |
|  76 77 78 79 80 | 22 41422 414.522 41522 415.522 416 | 22 32222 322.522 32322 323.522 324 |
|  81 82 83 84 85 | 22 416.522 41722 417.522 41822 418.5 | 22 324.522 32522 325.522 32622 326.5 |
|  86 87 88 89 90 | 22 41922 419.522 42022 420.522 421 | 22 32722 327.522 32822 328.522 329 |
|  91 92 93 94 95 | 22 421.522 42222 422.522 42322 423.5 | 22 329.522 33022 330.522 33122 331.5 |
|  96 97 98 99100 | 22 42422 424.522 42522 425.522 426 | 22 33222 332.522 33322 333.522 334 |
| 101102103104105 | 22 426.522 42722 427.522 42822 428.5 | 22 334.522 33522 335.522 33622 336.5 |

Table of frequencies for two-frequency
operation by coast stations (kHz)

|  |  |
| --- | --- |
| Channel | 22 MHz band 7 (*end* ) |
| No. | Transmit | Receive |
| 106107108109110 | 22 42922 429.522 43022 430.522 431 | 22 33722 337.522 33822 338.522 339 |
| 111112113114115 | 22 431.522 43222 432.522 43322 433.5 | 22 339.522 34022 340.522 34122 341.5 |
| 116117118119120 | 22 43422 434.522 43522 435.522 436 | 22 34222 342.522 34322 343.522 344 |
| 121122123124125 | 22 436.522 43722 437.522 43822 438.5 | 22 344.522 34522 345.522 34622 346.5 |
| 126127128129130 | 22 43922 439.522 44022 440.522 441 | 22 34722 347.522 34822 348.522 349 |
| 131132133134135 | 22 441.522 44222 442.522 44322 443.5 | 22 349.522 35022 350.522 35122 351.5 |

Section III – Narrow-band direct-printing telegraphy
(non-paired frequencies)

1 One or more frequencies are assigned to each ship station as transmitting frequencies.

2 All frequencies in this Appendix may also be used by ship stations for transmitting A1A or A1B Morse telegraphy (working).

3 All frequencies appearing in this Appendix may be used for NBDP duplex operation.

The corresponding coast station frequencies should be selected by the administration concerned from the sub-bands for coast station wideband telegraphy, A1A or A1B Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems.

4 The speed of the narrow-band direct-printing telegraphy and data systems shall not exceed 100 Bd for FSK and 200 Bd for PSK.

Table of ship station transmitting frequencies (kHz)

|  |
| --- |
| Frequency bands |
| Channel No. | 4 MHz | 6 MHz | 8 MHz | 12 MHz | 16 MHz | 18/19MHz | 22 MHz | 25/26 MHz |
|  1 2 3 4 5 | 4 202.54 2034 203.54 2044 204.5 | 6 300.56 3016 301.56 3026 302.5 | 8 396.58 3978 397.58 3988 398.5 | 12 56012 560.512 56112 561.512 562 | 16 78516 785.516 78616 786.516 787 | 18 89318 893.518 89418 894.518 895 | 22 35222 352.522 35322 353.522 354 | 25 19325 193.525 19425 194.525 195 |
|  6 7 8 910 | 4 2054 205.54 2064 206.54 207 | 6 3036 303.56 3046 304.56 305 | 8 3998 399.58 4008 400.58 401 | 12 562.512 56312 563.512 56412 564.5 | 16 787.516 78816 788.516 78916 789.5 | 18 895.518 89618 896.518 89718 897.5 | 22 354.522 35522 355.522 35622 356.5 | 25 195.525 19625 196.525 19725 197.5 |
| 1112131415 |  | 6 305.56 3066 306.56 3076 307.5 | 8 401.58 4028 402.58 4038 403.5 | 12 56512 565.512 56612 566.512 567 | 16 79016 790.516 79116 791.516 792 | 18 898 | 22 35722 357.522 35822 358.522 359 | 25 19825 198.525 19925 199.525 200 |
| 1617181920 |  | 6 3086 308.56 3096 309.56 310 | 8 4048 404.58 4058 405.58 406 | 12 567.512 56812 568.512 56912 569.5 | 16 792.516 79316 793.516 79416 794.5 |  | 22 359.522 36022 360.522 36122 361.5 | 25 200.525 20125 201.525 20225 202.5 |
| 2122232425 |  | 6 310.56 3116 311.5 | 8 406.58 4078 407.58 4088 408.5 | 12 57012 570.512 57112 571.512 572 | 16 79516 795.516 79616 796.516 797 |  | 22 36222 362.522 36322 363.522 364 | 25 20325 203.525 20425 204.525 205 |
| 2627282930 |  |  | 8 4098 409.58 4108 410.58 411 | 12 572.512 57312 573.512 57412 574.5 | 16 797.516 79816 798.516 79916 799.5 |  | 22 364.522 36522 365.522 36622 366.5 | 25 205.525 20625 206.525 20725 207.5 |
| 3132333435 |  |  | 8 411.58 4128 412.58 4138 413.5 | 12 57512 575.512 57612 576.5 | 16 80016 800.516 80116 801.516 802 |  | 22 36722 367.522 36822 368.522 369 | 25 208 |
| 3637383940 |  |  | 8 414 |  | 16 802.516 80316 803.516 804 |  | 22 369.522 37022 370.522 37122 371.5 |  |
| 4142434445 |  |  |  |  |  |  | 22 37222 372.522 37322 373.522 374 |  |

Section IV – Morse telegraphy (calling)

Table of calling frequencies assignable to ship stations for A1A or A1B
Morse telegraphy at speeds not exceeding 40 Bd\* (kHz)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Group | Channel series | 4 MHzband | 6 MHzband | 8 MHzband | 12 MHzband | 16 MHzband | 22 MHzband | 25/26 MHzband |
| I | 12 | 4 1824 182.5 | 6 2776 277.5 | 8 3668 366.5 | 12 55012 550.5 | 16 73416 734.5 | 22 279.522 280 | Channel A25 171.5Groups I and II |
| Common channelCommonchannel | 34 | 4 1844 184.5 | 6 2766 276.5 | 8 3688 369 | 12 55212 553.5 | 16 73616 738 | 22 280.522 281 | Commonchannel C25 172 |
| II | 56 | 4 1834 183.5 | 6 2786 278.5 | 8 3678 367.5 | 12 55112 551.5 | 16 73516 735.5 | 22 281.522 282 | Channel A25 171.5Groups I and II |
| III | 78 | 4 1854 185.5 | 6 2796 279.5 | 8 368.58 369.5 | 12 552.512 553 | 16 736.516 737 | 22 282.522 283 | Channel B25 172.5 |
| IV | 910 | 4 1864 186.5 | 6 2806 280.5 | 8 3708 370.5 | 12 55412 554.5 | 16 737.516 738.5 | 22 283.522 284 | Groups IIIand IV |
| \* Channel width in every band: 0.5 kHz.NOTES1 Only the common channels in the 4, 6, 8, 12 and 16 MHz for A1A Morse telegraphy are harmonically related.2 Administrations should assign the frequencies as they appear in this Appendix only to ship stations equipped with cristal controlled oscillators.3 However, administrations may subdivide each appropriate group channel and common channel into specific calling frequencies on every full 100 Hz in the channel and assign these discrete frequencies to ships with synthetized transmitters. |

*Examples of subdivision of channels (centre frequencies are underlined)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 4 181.84 181.94 1824 182.14 182.2 | 6 276.86 276.96 2776 277.16 277.2 | 8 365.88 365.98 3668 366.18 366.2 | 12 549.812 549.912 55012 550.112 550.2 | 16 733.816 733.916 73416 734.116 734.2 | 22 279.322 279.422 279.522 279.622 279.7 | 25 171.325 171.425 171.525 171.625 171.7 |
| 4 Administrations should avoid as far as possible, assigning the two frequencies at ± 100 Hz from the harmonically related common channel.5 In the 22 MHz bands and 25/26 MHz bands the channels are not harmonically related to those in the 4 to 16 MHz bands. However, the principle of subdivision of channels into specific calling frequencies on 100 Hz applies. |

Section V – Morse telegraphy (working)

Table of working frequencies (kHz) assignable to ship stations
for A1A or A1B Morse telegraphy at speeds
not exceeding 40 Bd

(See also Part A, Note *e)*)

|  |
| --- |
| Frequency bands |
| ChannelNo. | 4 MHz | 6 MHz | 8 MHz | 12 MHz | 16 MHz | 22 MHz | 25/26 MHz |
|  1 2 3 4 5 | 4 1874 187.54 1884 188.54 189 | 6 2856 285.56 2866 286.56 287 | 8 3428 342.58 3438 343.58 344 | 12 42212 422.512 42312 423.512 424 | 16 61916 619.516 62016 620.516 621 | 22 24222 242.522 24322 243.522 244 | 25 161.525 16225 162.525 16325 163.5 |
|  6 7 8 910 | 4 189.54 1904 190.54 1914 191.5 | 6 287.56 2886 288.56 2896 289.5 | 8 344.58 3458 345.58 3468 346.5 | 12 424.512 42512 425.512 42612 426.5 | 16 621.516 62216 622.516 62316 623.5 | 22 244.522 24522 245.522 24622 246.5 | 25 16425 164.525 16525 165.525 166 |
| 1112131415 | 4 1924 192.54 1934 193.54 194 | 6 2906 290.56 2916 291.56 292 | 8 3478 347.58 3488 348.58 349 | 12 42712 427.512 42812 428.512 429 | 16 62416 624.516 62516 625.516 626 | 22 24722 247.522 24822 248.522 249 | 25 166.525 16725 167.525 16825 168.5 |
| 1617181920 | 4 194.54 1954 195.54 1964 196.5 | 6 292.56 2936 293.56 2946 294.5 | 8 349.58 3508 350.58 3518 351.5 | 12 429.512 43012 430.512 43112 431.5 | 16 626.516 62716 627.516 62816 628.5 | 22 249.522 25022 250.522 25122 251.5 | 25 16925 169.525 17025 170.525 171 |
| 2122232425 | 4 1974 197.54 1984 198.54 199 | 6 2956 295.56 2966 296.56 297 | 8 3528 352.58 3538 353.58 354 | 12 43212 432.512 43312 433.512 434 | 16 62916 629.516 63016 630.516 631 | 22 25222 252.522 25322 253.522 254 |  |
| 2627282930 | 4 199.54 2004 200.54 2014 201.5 | 6 297.56 2986 298.56 2996 299.5 | 8 354.58 3558 355.58 3568 356.5 | 12 434.512 43512 435.512 43612 436.5 | 16 631.516 63216 632.516 63316 633.5 | 22 254.522 25522 255.522 25622 256.5 |  |
| 3132333435 | 4 202 | 6 300 | 8 3578 357.58 3588 358.58 359 | 12 43712 437.512 43812 438.512 439 | 16 63416 634.516 63516 635.516 636 | 22 25722 257.522 25822 258.522 259 |  |
| 3637383940 |  |  | 8 359.58 3608 360.58 3618 361.5 | 12 439.512 44012 440.512 44112 441.5 | 16 636.516 63716 637.516 63816 638.5 | 22 259.522 26022 260.522 26122 261.5 |  |
| 4142434445 |  |  | 8 3628 362.58 3638 363.58 364 | 12 44212 442.512 44312 443.512 444 | 16 63916 639.516 64016 640.516 641 | 22 26222 262.522 26322 263.522 264 |  |

|  |
| --- |
| Frequency bands (*cont.*) |
| ChannelNo. | 4 MHz | 6 MHz | 8 MHz | 12 MHz | 16 MHz | 22 MHz | 25/26 MHz |
| 4647484950 |  |  | 8 364.58 3658 365.58 3718 371.5 | 12 444.512 44512 445.512 44612 446.5 | 16 641.516 64216 642.516 64316 643.5 | 22 264.522 26522 265.522 26622 266.5 |  |
| 5152535455 |  |  | 8 3728 372.58 3738 373.58 374 | 12 44712 447.512 44812 448.512 449 | 16 64416 644.516 64516 645.516 646 | 22 26722 267.522 26822 268.522 269 |  |
| 5657585960 |  |  | 8 374.58 3758 375.58 376 | 12 449.512 45012 450.512 45112 451.5 | 16 646.516 64716 647.516 64816 648.5 | 22 269.522 27022 270.522 27122 271.5 |  |
| 6162636465 |  |  |  | 12 45212 452.512 45312 453.512 454 | 16 64916 649.516 65016 650.516 651 | 22 27222 272.522 27322 273.522 274 |  |
| 6667686970 |  |  |  | 12 454.512 45512 455.512 45612 456.5 | 16 651.516 65216 652.516 65316 653.5 | 22 274.522 27522 275.522 27622 276.5 |  |
| 7172737475 |  |  |  | 12 45712 457.512 45812 458.512 459 | 16 65416 654.516 65516 655.516 656 | 22 27722 277.522 27822 278.522 279 |  |
| 7677787980 |  |  |  | 12 459.512 46012 460.512 46112 461.5 | 16 656.516 65716 657.516 65816 658.5 |  |  |
| 8182838485 |  |  |  | 12 46212 462.512 46312 463.512 464 | 16 65916 659.516 66016 660.516 661 |  |  |
| 8687888990 |  |  |  | 12 464.512 46512 465.512 46612 466.5 | 16 661.516 66216 662.516 66316 663.5 |  |  |
| 9192939495 |  |  |  | 12 46712 467.512 46812 468.512 469 | 16 66416 664.516 66516 665.516 666 |  |  |

|  |
| --- |
| Frequency bands (*end*) |
| ChannelNo. | 4 MHz | 6 MHz | 8 MHz | 12 MHz | 16 MHz | 22 MHz | 25/26 MHz |
|  96 97 98 99100 |  |  |  | 12 469.512 47012 470.512 47112 471.5 | 16 666.516 66716 667.516 66816 668.5 |  |  |
| 101102103104105 |  |  |  | 12 47212 472.512 47312 473.512 474 | 16 66916 669.516 67016 670.516 671 |  |  |
| 106107108109110 |  |  |  | 12 474.512 47512 475.512 47612 476.5 | 16 671.516 67216 672.516 67316 673.5 |  |  |
| 111112113114115 |  |  |  |  | 16 67416 674.516 67516 675.516 676 |  |  |
| 116117118119120 |  |  |  |  | 16 676.516 67716 677.516 67816 678.5 |  |  |
| 121122123124125 |  |  |  |  | 16 67916 679.516 68016 680.516 681 |  |  |
| 126127128129 |  |  |  |  | 16 681.516 68216 682.516 683 |  |  |

1. 1 Within the non-shaded boxes. [↑](#footnote-ref-1)