**Before the**

Federal Communications Commission

Washington, D.C. 20554

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | |  | |  | |
| In the Matter of  Amendment of the Commission’s Rules Regarding Implementation of the Final Acts of the World Radiocommunication Conference (Sharm el-Sheikh, 2019) (WRC-19), Other Allocation Issues, and Related Rule Updates  Amendment of the Commission’s Rules Regarding Implementation of the Final Acts of the World Radiocommunication Conference (Geneva, 2015) (WRC-15), Other Allocation Issues, and Related Rule Updates  Petition to Amend Parts 2 and 97 of the Commission’s Rules Regarding Implementation of the Final Acts of the World Radiocommunication Conference (Geneva, 2015) To Allocate the Band 5351.5-5366.5 kHz to the Amateur Radio Service | | **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)**  **)** | | ET Docket No. 23-121  ET Docket No. 23-120  RM-11785 | |

Second Erratum

**Released: October 18, 2023**

By the Managing Director and the Chief, Office of Engineering and Technology:

On April 21, 2023, the Commission released an Order and Notice of Proposed Rulemaking(*NPRM*), FCC 23-26, in the above-captioned proceedings.[[1]](#footnote-2) On October 11, 2023, the Office of Engineering and Technology, and the Managing Director released an Erratum amending Appendix A of that document. To conform with the publishing conventions of the National Archives and Records Administration’s Office of the Federal Register[[2]](#footnote-3) and to make administrative corrections to the Table of Frequency Allocations, this Second Erratum amends the Proposed Rules in Appendix B of the *NPRM* as indicated below:[[3]](#footnote-4)

1. In paragraph (c) of Section 2.1, the definition of “*Frequency band (Band)*” is corrected to read as follows:

*“Frequency band (Band)*. A contiguous set of frequencies lying between two specified limiting frequencies. A frequency band is characterized by two values which define its position in the frequency spectrum, for example, its lower and upper limiting frequencies.”

1. The corrections to Section 2.106 are as follows:
2. Replace pages 22, 24, 26-30, 32, 45, and 47-48 of the Table of Frequency Allocations with the following pages:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 137.825-138  SPACE OPERATION (space-to-Earth)  METEOROLOGICAL-SATELLITE (space-to-Earth)  SPACE RESEARCH (space-to-Earth)  Fixed  Mobile-satellite (space-to-Earth) 5.208A 5.208B 5.209  Mobile except aeronautical mobile (R)  5.204 5.205 5.206 5.207 5.208 | | | 137.825-138  SPACE OPERATION (space-to-Earth)  METEOROLOGICAL-SATELLITE (space-to-Earth)  SPACE RESEARCH (space-to-Earth)  Mobile-satellite (space-to-Earth) US319 US320  5.208 | |  |
| 138-143.6  AERONAUTICAL MOBILE (OR)  5.210 5.211 5.212 5.214 | 138-143.6  FIXED  MOBILE  RADIOLOCATION  Space research (space-to-Earth) | 138-143.6  FIXED  MOBILE  Space research (space-to-Earth)  5.207 5.213 | 138-144  FIXED  MOBILE | 138-144 |  |
| 143.6-143.65  AERONAUTICAL MOBILE (OR)  SPACE RESEARCH (space-to-Earth)  5.211 5.212 5.214 | 143.6-143.65  FIXED  MOBILE  RADIOLOCATION  SPACE RESEARCH (space-to-Earth) | 143.6-143.65  FIXED  MOBILE  SPACE RESEARCH (space-to-Earth)  5.207 5.213 |
| 143.65-144  AERONAUTICAL MOBILE (OR)  5.210 5.211 5.212 5.214 | 143.65-144  FIXED  MOBILE  RADIOLOCATION  Space research (space-to-Earth) | 143.65-144  FIXED  MOBILE  Space research (space-to-Earth)  5.207 5.213 | G30 |
| 144-146  AMATEUR  AMATEUR-SATELLITE  5.216 | | | 144-148 | 144-146  AMATEUR  AMATEUR-SATELLITE | Amateur Radio (97) |
| 146-148  FIXED  MOBILE except aeronautical mobile (R) | 146-148  AMATEUR  5.217 | 146-148  AMATEUR  FIXED  MOBILE  5.217 | 146-148  AMATEUR |
| 148-149.9  FIXED  MOBILE except aeronautical mobile (R)  MOBILE-SATELLITE (Earth-to-space)  5.209  5.218 5.219 5.221 | 148-149.9  FIXED  MOBILE  MOBILE-SATELLITE (Earth-to-space) 5.209  5.218 5.219 5.221 | | 148-149.9  FIXED  MOBILE  MOBILE-SATELLITE  (Earth-to-space) US319  US320 US323 US325  5.218 5.219 G30 | 148-149.9  MOBILE-SATELLITE  (Earth-to-space) US320  US323 US325  5.218 5.219 US319 | Satellite Communications (25) |
| 149.9-150.05  MOBILE-SATELLITE (Earth-to-space) 5.209 5.220 | | | 149.9-150.05  MOBILE-SATELLITE (Earth-to-space) US319 US320 | |
| 150.05-153  FIXED  MOBILE except aeronautical mobile  RADIO ASTRONOMY | 150.05-154  FIXED  MOBILE  5.225 | | 150.05-150.8  FIXED  MOBILE  US73 G30 | 150.05-150.8  US73 |  |
| 5.149 | Page 22 | | |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5.226 | 5.226 | | |  | | 157.45-161.575  FIXED  LAND MOBILE NG28 NG111 NG112  5.226 NG6 NG70 NG124 NG148 | | Public Mobile (22)  Remote Pickup (74D)  Maritime (80)  Private Land Mobile (90) |
| 161.575-161.625  5.226 US52 | | 161.575-161.625  MARITIME MOBILE  5.226 US52 NG6 NG17 | | Public Mobile (22)  Maritime (80) |
| 161.625-161.9625 | | 161.625-161.775  LAND MOBILE NG6  5.226 | | Public Mobile (22)  Remote Pickup (74D)  Low Power Auxiliary (74H) |
| US266 | | 161.775-161.9625  MOBILE except aeronautical mobile  US266 NG6  5.226 | | Maritime (80)  Private Land Mobile (90) |
| 161.9375-161.9625  FIXED  MOBILE except aeronautical mobile  Maritime mobile-satellite (Earth-to-  space) 5.228AA  5.226 | 161.9375-161.9625  FIXED  MOBILE  Maritime mobile-satellite (Earth-to-space) 5.228AA  5.226 | | |
| 161.9625-161.9875  FIXED  MOBILE except aeronautical mobile  Mobile-satellite (Earth-to-space)  5.228F  5.226 5.228A 5.228B | 161.9625-161.9875  AERONAUTICAL MOBILE (OR)  MARITIME MOBILE  MOBILE-SATELLITE (Earth-to-space)  5.228C 5.228D | 161.9625-161.9875  MARITIME MOBILE  Aeronautical mobile (OR) 5.228E  Mobile-satellite (Earth-to-space)  5.228F  5.226 | | 161.9625-161.9875  AERONAUTICAL MOBILE (OR) (AIS 1)  MARITIME MOBILE (AIS 1)  MOBILE-SATELLITE (Earth-to-space) (AIS 1)  5.228C US52 | | | | Satellite  Communications (25)  Maritime (80) |
| 161.9875-162.0125  FIXED  MOBILE except aeronautical mobile  Maritime mobile-satellite (Earth-to-  space) 5.228AA  5.226 5.229 | 161.9875-162.0125  FIXED  MOBILE  Maritime mobile-satellite (Earth-to-space) 5.228AA  5.226 | | | 161.9875-162.0125 | | 161.9875-162.0125  MOBILE except aeronautical mobile  5.226 | | Maritime (80) |
| 162.0125-162.0375  FIXED  MOBILE except aeronautical mobile  Mobile-satellite (Earth-to-space) 5.228F  5.226 5.228A 5.228B 5.229 | 162.0125-162.0375  AERONAUTICAL MOBILE (OR)  MARITIME MOBILE  MOBILE-SATELLITE (Earth-to-space)  5.228C 5.228D | 162.0125-162.0375  MARITIME MOBILE  Aeronautical mobile (OR) 5.228E  Mobile-satellite (Earth-to-space)  5.228F  5.226 | | 162.0125-162.0375  AERONAUTICAL MOBILE (OR) (AIS 2)  MARITIME MOBILE (AIS 2)  MOBILE-SATELLITE (Earth-to-space) (AIS 2)  5.228C US52 | | | | Satellite  Communications (25)  Maritime (80) |
| 162.0375-174  FIXED  MOBILE except aeronautical mobile | 162.0375-174  FIXED  MOBILE | | | 162.0375-173.2  FIXED  MOBILE  US8 US11 US13 US55  US73 US300 US312 G5 | | 162.0375-173.2  US8 US11 US13 US55 US73 US300  US312 | | Remote Pickup (74D)  Private Land Mobile (90) |
| 5.226 5.229 | 5.226 5.230 5.231 | | | 173.2-173.4 | | 173.2-173.4  FIXED  Land mobile | | Private Land Mobile (90) |
| 173.4-174  FIXED  MOBILE  G5 | | 173.4-174 | | Page 24 |
| 272-273  SPACE OPERATION (space-to-Earth)  FIXED  MOBILE  5.254 | | |  | |  | |  | |
| 273-312  FIXED  MOBILE  5.254 | | |
| 312-315  FIXED  MOBILE  Mobile-satellite (Earth-to-space) 5.254 5.255 | | |
| 315-322  FIXED  MOBILE  5.254 | | | G27 G100 | |
| 322-328.6  FIXED  MOBILE  RADIO ASTRONOMY  5.149 | | | 322-328.6  FIXED  MOBILE  US342 G27 | | 322-328.6  US342 | |  | |
| 328.6-335.4  AERONAUTICAL RADIONAVIGATION 5.258  5.259 | | | 328.6-335.4  AERONAUTICAL RADIONAVIGATION 5.258 | | | | Aviation (87) | |
| 335.4-387  FIXED  MOBILE  5.254 | | | 335.4-399.9  FIXED  MOBILE | | 335.4-399.9 | |  | |
| 387-390  FIXED  MOBILE  Mobile-satellite (space-to-Earth) 5.208A 5.208B 5.254 5.255 | | |
| 390-399.9  FIXED  MOBILE  5.254 | | | G27 G100 | |
| 399.9-400.05  MOBILE-SATELLITE (Earth-to-space) 5.209 5.220 | | | 399.9-400.05  MOBILE-SATELLITE (Earth-to-space) US319 US320 | | | | Satellite Communications (25) | |
| 400.05-400.15  STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)  5.261 5.262 | | | 400.05-400.15  STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)  5.261 | | | | Page 26 | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table of Frequency Allocations 400.15-456 MHz (UHF) | | | | | Page 27 |
| International Table | | | United States Table | | FCC Rule Part(s) |
| Region 1 Table | Region 2 Table | Region 3 Table | Federal Table | Non-Federal Table |
| 400.15-401  METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE-SATELLITE (space-to-Earth) 5.208A 5.208B 5.209  SPACE RESEARCH (space-to-Earth) 5.263  Space operation (space-to-Earth) | | | 400.15-401  METEOROLOGICAL AIDS  (radiosonde) US70  METEOROLOGICAL-SATELLITE  (space-to-Earth)  MOBILE-SATELLITE (space-to-  Earth) US319 US320 US324  SPACE RESEARCH  (space-to-Earth) 5.263  Space operation (space-to-Earth) | 400.15-401  METEOROLOGICAL AIDS  (radiosonde) US70  MOBILE-SATELLITE (space-to-  Earth) US319 US320 US324  SPACE RESEARCH  (space-to-Earth) 5.263  Space operation (space-to-Earth) | Satellite Communications (25) |
| 5.262 5.264 | | |
| 5.264 | 5.264 |
| 401-402  METEOROLOGICAL AIDS  SPACE OPERATION (space-to-Earth)  EARTH EXPLORATION-SATELLITE (Earth-to-space)  METEOROLOGICAL-SATELLITE (Earth-to-space)  Fixed  Mobile except aeronautical mobile | | | 401-402  METEOROLOGICAL AIDS  (radiosonde) US70  SPACE OPERATION  (space-to-Earth)  EARTH EXPLORATION-  SATELLITE (Earth-to-space)  METEOROLOGICAL-SATELLITE  (Earth-to-space)  US64 US384 | 401-402  METEOROLOGICAL AIDS  (radiosonde) US70  SPACE OPERATION  (space-to-Earth)  Earth exploration-satellite  (Earth-to-space)  Meteorological-satellite  (Earth-to-space)  US64 US384 | MedRadio (95I) |
| 402-403  METEOROLOGICAL AIDS  EARTH EXPLORATION-SATELLITE (Earth-to-space)  METEOROLOGICAL-SATELLITE (Earth-to-space)  Fixed  Mobile except aeronautical mobile | | | 402-403  METEOROLOGICAL AIDS  (radiosonde) US70  EARTH EXPLORATION-  SATELLITE (Earth-to-space)  METEOROLOGICAL-SATELLITE  (Earth-to-space)  US64 US384 | 402-403  METEOROLOGICAL AIDS  (radiosonde) US70  Earth exploration-satellite  (Earth-to-space)  Meteorological-satellite  (Earth-to-space)  US64 US384 |
| 403-406  METEOROLOGICAL AIDS  Fixed  Mobile except aeronautical mobile  5.265 | | | 403-406  METEOROLOGICAL AIDS  (radiosonde) US70  US64 US265 G6 | 403-406  METEOROLOGICAL AIDS  (radiosonde) US70  US64 US265 |
| 406-406.1  MOBILE-SATELLITE (Earth-to-space)  5.265 5.266 5.267 | | | 406-406.1  MOBILE-SATELLITE (Earth-to-space)  5.266 5.267 US265 | | Maritime (EPIRBs) (80V)  Aviation (ELTs) (87F)  Personal Radio (95) |
| 406.1-410  FIXED  MOBILE except aeronautical mobile  RADIO ASTRONOMY  5.149 5.265 | | | 406.1-410  FIXED  MOBILE  RADIO ASTRONOMY US74  US13 US55 US117 US265 G5 G6 | 406.1-410  RADIO ASTRONOMY US74  US13 US55 US117 US265 | Private Land Mobile (90) |
| 410-420  FIXED  MOBILE except aeronautical mobile  SPACE RESEARCH (space-to-space) 5.268 | | | 410-420  FIXED  MOBILE  SPACE RESEARCH  (space-to-space) 5.268  US13 US55 US64 G5 | 410-420  Space research (space-to-space) 5.268  US13 US55 US64 | Private Land Mobile (90)  MedRadio (95I) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 420-430  FIXED  MOBILE except aeronautical mobile  Radiolocation  5.269 5.270 5.271 | | | 420-450  RADIOLOCATION G2 G129 | 420-450  Amateur US270 | Private Land Mobile (90)  MedRadio (95I)  Amateur Radio (97) |
| 430-432  AMATEUR  RADIOLOCATION  5.271 5.274 5.275 5.276 5.277 | 430-432  RADIOLOCATION  Amateur  5.271 5.276 5.277 5.278 5.279 | |
| 432-438  AMATEUR  RADIOLOCATION  Earth exploration-satellite (active)  5.279A  5.138 5.271 5.276 5.277 5.280  5.281 5.282 | 432-438  RADIOLOCATION  Amateur  Earth exploration-satellite (active) 5.279A  5.271 5.276 5.277 5.278 5.279 5.281 5.282 | |
| 438-440  AMATEUR  RADIOLOCATION  5.271 5.274 5.275 5.276  5.277 5.283 | 438-440  RADIOLOCATION  Amateur  5.271 5.276 5.277 5.278 5.279 | |
| 440-450  FIXED  MOBILE except aeronautical mobile  Radiolocation  5.269 5.270 5.271 5.284 5.285 5.286 | | | 5.286 US64 US87 US230  US269 US270 US397 G8 | 5.282 5.286 US64 US87 US230  US269 US397 |
| 450-455  FIXED  MOBILE 5.286AA | | | 450-454  5.286 US64 US87 | 450-454  LAND MOBILE  5.286 US64 US87 NG112 NG124 | Remote Pickup (74D)  Low Power Auxiliary (74H)  Private Land Mobile (90)  MedRadio (95I) |
| 5.209 5.271 5.286 5.286A 5.286B 5.286C 5.286D 5.286E | | | 454-456 | 454-455  FIXED  LAND MOBILE  US64 NG32 NG112 NG148 | Public Mobile (22)  Maritime (80)  MedRadio (95I) |
| 455-456  FIXED  MOBILE 5.286AA  5.209 5.271 5.286A 5.286B  5.286C 5.286E | 455-456  FIXED  MOBILE 5.286AA  MOBILE-SATELLITE (Earth-to-  space) 5.286A 5.286B 5.286C  5.209 | 455-456  FIXED  MOBILE 5.286AA  5.209 5.271 5.286A 5.286B  5.286C 5.286E | US64 | 455-456  LAND MOBILE  US64 | Remote Pickup (74D)  Low Power Auxiliary (74H)  MedRadio (95I) |
| Page 28 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table of Frequency Allocations 456-894 MHz (UHF) | | | | | Page 29 |
| International Table | | | United States Table | | FCC Rule Part(s) |
| Region 1 Table | Region 2 Table | Region 3 Table | Federal Table | Non-Federal Table |
| 456-459  FIXED  MOBILE 5.286AA  5.271 5.287 5.288 | | | 456-459  US64 US287 US288 | 456-460  FIXED  LAND MOBILE | Public Mobile (22)  Maritime (80)  Private Land Mobile (90)  MedRadio (95I) |
| 459-460  FIXED  MOBILE 5.286AA  5.209 5.271 5.286A 5.286B  5.286C 5.286E | 459-460  FIXED  MOBILE 5.286AA  MOBILE-SATELLITE (Earth-to-  space) 5.286A 5.286B 5.286C  5.209 | 459-460  FIXED  MOBILE 5.286AA  5.209 5.271 5.286A 5.286B  5.286C 5.286E | 459-460 | US64 US287 US288 NG32 NG112  NG124 NG148 |
| 460-470  FIXED  MOBILE 5.286AA  Meteorological-satellite (space-to-Earth) | | | 460-470  Meteorological-satellite  (space-to-Earth) | 460-462.5375  FIXED  LAND MOBILE  US209 US289 NG124 | Private Land Mobile (90) |
| 462.5375-462.7375  LAND MOBILE  US289 | Personal Radio (95) |
| 462.7375-467.5375  FIXED  LAND MOBILE  US73 US209 US287 US288 US289  NG124 | Maritime (80)  Private Land Mobile (90) |
| 467.5375-467.7375  LAND MOBILE  US287 US288 US289 | Maritime (80)  Personal Radio (95) |
| 5.287 5.288 5.289 5.290 | | | US73 US209 US287 US288  US289 | 467.7375-470  FIXED  LAND MOBILE  US73 US287 US288 US289 NG124 | Maritime (80)  Private Land Mobile (90) |
| 470-694  BROADCASTING | 470-512  BROADCASTING  Fixed  Mobile  5.292 5.293 5.295 | 470-585  FIXED  MOBILE 5.296A  BROADCASTING | 470-608 | 470-512  FIXED  LAND MOBILE  BROADCASTING  NG5 NG14 NG66 NG115 NG149 | Public Mobile (22)  Broadcast Radio (TV)(73)  LPTV, TV Translator/Booster (74G)  Low Power Auxiliary (74H)  Private Land Mobile (90) |
| 512-608  BROADCASTING  5.295 5.297 | 5.291 5.298 | 512-608  BROADCASTING  NG5 NG14 NG115 NG149 | Broadcast Radio (TV)(73)  LPTV, TV Translator/Booster (74G)  Low Power Auxiliary (74H) |
| 585-610  FIXED  MOBILE 5.296A  BROADCASTING  RADIONAVIGATION  5.149 5.305 5.306 5.307 |
| 608-614  RADIO ASTRONOMY  Mobile-satellite except aeronautical  mobile-satellite (Earth-to-space) | 608-614  LAND MOBILE (medical telemetry and medical telecommand)  RADIO ASTRONOMY US74  US246 | | Personal Radio (95) |
| 610-890  FIXED  MOBILE 5.296A 5.313A 5.317A  BROADCASTING |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5.149 5.291A 5.294 5.296  5.300 5.304 5.306 5.312 | | 614-698  BROADCASTING  Fixed  Mobile  5.293 5.308 5.308A 5.309 |  | | 614-890 | 614-698  FIXED  MOBILE  NG5 NG14 NG33 NG115 NG149 | | RF Devices (15)  Wireless Communications (27)  LPTV, TV Translator/Booster (74G)  Low Power Auxiliary (74H) | |
| 694-790  MOBILE except aeronautical  mobile 5.312A 5.317A  BROADCASTING | |
| 698-806  MOBILE 5.317A  BROADCASTING  Fixed | 698-758  FIXED  MOBILE  NG159 | | Wireless Communications (27)  LPTV and TV Translator (74G) | |
| 758-775  FIXED  MOBILE  NG34 NG159 | | Public Safety Land Mobile (90R) | |
| 775-788  FIXED  MOBILE  NG159 | | Wireless Communications (27)  LPTV and TV Translator (74G) | |
| 5.293 5.309 |
| 5.300 5.312 | | 788-805  FIXED  MOBILE  NG34 NG159 | | Public Safety Land Mobile (90R) | |
| 790-862  FIXED  MOBILE except aeronautical  mobile 5.316B 5.317A  BROADCASTING | |
| 805-806  FIXED  MOBILE  NG159 | | Wireless Communications (27)  LPTV and TV Translator (74G) | |
| 806-890  FIXED  MOBILE 5.317A  BROADCASTING | 806-809  LAND MOBILE | | Public Safety Land Mobile (90S) | |
| 809-849  FIXED  LAND MOBILE | | Public Mobile (22)  Private Land Mobile (90) | |
| 5.312 5.319 | |
| 849-851  AERONAUTICAL MOBILE | | Public Mobile (22) | |
| 851-854  LAND MOBILE | | Public Safety Land Mobile (90S) | |
| 854-894  FIXED  LAND MOBILE | | Public Mobile (22)  Private Land Mobile (90) | |
| 862-890  FIXED  MOBILE except aeronautical  mobile 5.317A  BROADCASTING 5.322  5.319 5.323 | | 5.317 5.318 | 5.149 5.305 5.306 5.307  5.320 | |
|  | | | | | | US116 US268 | | Page 30 | |
| 5.323 | 5.325 | | 5.327 | US116 US268 G2 | | | 939.5-940  FIXED  LAND MOBILE  US116 US268 | | Private Land Mobile (90) |
| 940-941  FIXED  MOBILE  US116 US268 | | Personal Communications (24) |
| 941-944  FIXED  US84 US268 US301 G2 | | | 941-944  FIXED  US84 US268 US301 NG30 NG35 | | Public Mobile (22)  Aural Broadcast Auxiliary (74E)  Low Power Auxiliary (74H)  Fixed Microwave (101) |
| 942-960  FIXED  MOBILE except aeronautical  mobile 5.317A  BROADCASTING 5.322  5.323 | 942-960  FIXED  MOBILE 5.317A | | 942-960  FIXED  MOBILE 5.317A  BROADCASTING  5.320 |
| 944-960 | | | 944-960  FIXED  NG35 | |
| 960-1164  AERONAUTICAL MOBILE (R) 5.327A  AERONAUTICAL RADIONAVIGATION 5.328  5.328AA | | | | 960-1164  AERONAUTICAL MOBILE (R) 5.327A  AERONAUTICAL RADIONAVIGATION 5.328  5.328AA US78 US224 | | | | | Aviation (87) |
| 1164-1215  AERONAUTICAL RADIONAVIGATION 5.328  RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B  5.328A | | | | 1164-1215  AERONAUTICAL RADIONAVIGATION 5.328  RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space)  5.328A US224 | | | | |
| 1215-1240  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A  SPACE RESEARCH (active)  5.330 5.331 5.332 | | | | 1215-1240  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION G56  RADIONAVIGATION-SATELLITE  (space-to-Earth) (space-to-space) G132  SPACE RESEARCH (active)  5.332 | | | 1215-1240  Earth exploration-satellite (active)  Space research (active) | |  |
| 1240-1300  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A  SPACE RESEARCH (active)  Amateur  5.282 5.330 5.331 5.332 5.335 5.335A | | | | 1240-1300  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION G56  SPACE RESEARCH (active)  AERONAUTICAL RADIONAVIGATION  5.332 5.335 | | | 1240-1300  AERONAUTICAL RADIONAVIGATION  Amateur  Earth exploration-satellite (active)  Space research (active)  5.282 | | Amateur Radio (97) |
| 1300-1350  RADIOLOCATION  AERONAUTICAL RADIONAVIGATION 5.337  RADIONAVIGATION-SATELLITE (Earth-to-space)  5.149 5.337A | | | | 1300-1350  AERONAUTICAL RADIONAVIGATION  5.337  Radiolocation G2  US342 | | | 1300-1350  AERONAUTICAL  RADIONAVIGATION 5.337  US342 | | Aviation (87) |
| 1350-1400  FIXED  MOBILE  RADIOLOCATION  5.149 5.338 5.338A 5.339 | 1350-1400  RADIOLOCATION 5.338A  5.149 5.334 5.339 | | | 1350-1390  FIXED  MOBILE  RADIOLOCATION G2  5.334 5.339 US342 US385 G27 G114 | | | 1350-1390  5.334 5.339 US342 US385 | |  |
| 1390-1395  5.339 US79 US342 US385 | | | 1390-1395  FIXED  MOBILE except aeronautical mobile  5.339 US79 US342 US385 NG338A | | Wireless Communications (27) |
| 1395-1400  LAND MOBILE (medical telemetry and medical telecommand)  5.339 US79 US342 US385 | | | | | Personal Radio (95)  Page 32 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table of Frequency Allocations 7145-8650 MHz (SHF) | | | | | Page 45 |
| International Table | | | United States Table | | FCC Rule Part(s) |
| Region 1 Table | Region 2 Table | Region 3 Table | Federal Table | Non-Federal Table |
| 7145-7190  FIXED  MOBILE  SPACE RESEARCH (deep space) (Earth-to-space)  5.458 5.459 | | | 7145-7190  FIXED  SPACE RESEARCH (deep space)(Earth-to-space) US262  5.458 G116 | 7145-7190  5.458 US262 | RF Devices (15) |
| 7190-7235  EARTH EXPLORATION-SATELLITE (Earth-to-space) 5.460A 5.460B  FIXED  MOBILE  SPACE RESEARCH (Earth-to-space) 5.460  5.458 5.459 | | | 7190-7235  EARTH EXPLORATION-SATELLITE (Earth-to-space) 5.460A  5.460B  FIXED  SPACE RESEARCH (Earth-to-space) 5.460  5.458 US460 US460A G134 | 7190-7235  5.458 US460 US460A |
| 7235-7250  EARTH EXPLORATION-SATELLITE (Earth-to-space) 5.460A  FIXED  MOBILE  5.458 | | | 7235-7250  EARTH EXPLORATION-SATELLITE (Earth-to-space) 5.460A  FIXED  5.458 US460A | 7235-7250  5.458 US460A |
| 7250-7300  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE  5.461 | | | 7250-7300  FIXED-SATELLITE (space-to-Earth)  MOBILE-SATELLITE (space-to-Earth)  Fixed  G117 | 7250-8025 |  |
| 7300-7375  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  5.461 | | | 7300-7375  FIXED  FIXED-SATELLITE (space-to-Earth)  Mobile-satellite (space-to-Earth)  G117 |
| 7375-7450  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  MARITIME MOBILE-SATELLITE (space-to-Earth) 5.461AA 5.461AB | | | 7375-7450  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  MARITIME MOBILE-SATELLITE (space-to-Earth) 5.461AA  5.461AB  Mobile-satellite except maritime mobile-satellite (space-to-Earth)  G117 |
| 7450-7550  FIXED  FIXED-SATELLITE (space-to-Earth)  METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  MARITIME MOBILE-SATELLITE (space-to-Earth) 5.461AA 5.461AB  5.461A | | | 7450-7550  FIXED  FIXED-SATELLITE (space-to-Earth)  METEOROLOGICAL-SATELLITE (space-to-Earth)  MARITIME MOBILE-SATELLITE (space-to-Earth) 5.461AA  5.461AB  Mobile-satellite except maritime mobile-satellite (space-to-Earth)  G104 G117 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table of Frequency Allocations 8.65-11.7 GHz (SHF) | | | | | Page 47 |
| International Table | | | United States Table | | FCC Rule Part(s) |
| Region 1 Table | Region 2 Table | Region 3 Table | Federal Table | Non-Federal Table |
| 8.65-8.75  RADIOLOCATION  5.468 5.469 | | | 8.65-9  RADIOLOCATION G59 | 8.65-9  Radiolocation | Aviation (87)  Private Land Mobile (90) |
| 8.75-8.85  RADIOLOCATION  AERONAUTICAL RADIONAVIGATION 5.470  5.471 | | |
| 8.85-9  RADIOLOCATION  MARITIME RADIONAVIGATION 5.472  5.473 | | | US53 | US53 |
| 9-9.2  AERONAUTICAL RADIONAVIGATION 5.337  RADIOLOCATION  5.471 5.473A | | | 9-9.2  AERONAUTICAL  RADIONAVIGATION 5.337  RADIOLOCATION G2  5.473A G19 | 9-9.2  AERONAUTICAL  RADIONAVIGATION 5.337  Radiolocation |
| 9.2-9.3  EARTH EXPLORATION-SATELLITE (active) 5.474A 5.474B 5.474C  RADIOLOCATION  MARITIME RADIONAVIGATION 5.472  5.473 5.474 5.474D | | | 9.2-9.3  EARTH EXPLORATION-SATELLITE (active) 5.474A 5.474B 5.474C  MARITIME RADIONAVIGATION  5.472  Radiolocation US110 G59  5.474 US474D | 9.2-9.3  MARITIME RADIONAVIGATION  5.472  Earth exploration-satellite  (active) 5.474A 5.474B 5.474C  Radiolocation US110  5.474 US474D | Maritime (80)  Private Land Mobile (90) |
| 9.3-9.5  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  RADIONAVIGATION 5.475  SPACE RESEARCH (active)  5.427 5.474 5.475A 5.475B 5.476A | | | 9.3-9.5  EARTH EXPLORATION-  SATELLITE (active)  RADIOLOCATION G56  RADIONAVIGATION US475  SPACE RESEARCH (active)  Meteorological aids  5.427 5.474 5.475A 5.475B US67 US71 US476A | 9.3-9.5  RADIONAVIGATION US475  Meteorological aids  Earth exploration-satellite (active)  Radiolocation  Space research (active)  5.427 5.474 US67 US71 US476A | Maritime (80)  Aviation (87)  Private Land Mobile (90) |
| 9.5-9.8  EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION  RADIONAVIGATION  SPACE RESEARCH (active)  5.476A | | | 9.5-9.8  EARTH EXPLORATION-  SATELLITE (active)  RADIOLOCATION  SPACE RESEARCH (active) | 9.5-9.9  Earth exploration-satellite (active)  Radiolocation  Space research (active) | Private Land Mobile (90) |
| 9.8-9.9  RADIOLOCATION  Earth exploration-satellite (active)  Fixed  Space research (active)  5.477 5.478 5.478A 5.478B | | | 9.8-9.9  RADIOLOCATION  Earth exploration-satellite (active)  Space research (active) |
| 9.9-10  EARTH EXPLORATION-SATELLITE (active) 5.474A 5.474B 5.474C  RADIOLOCATION  Fixed  5.474D 5.477 5.478 5.479 | | | 9.9-10  EARTH EXPLORATION-  SATELLITE (active) 5.474A 5.474B 5.474C  RADIOLOCATION  5.479 US474D | 9.9-10  Earth exploration-satellite (active)  5.474A 5.474B 5.474C  Radiolocation  5.479 US474D |
| 10-10.4  EARTH EXPLORATION-SATELLITE  (active) 5.474A 5.474B 5.474C  FIXED  MOBILE  RADIOLOCATION  Amateur  5.474D 5.479 | 10-10.4  EARTH EXPLORATION-SATELLITE  (active) 5.474A 5.474B 5.474C  RADIOLOCATION  Amateur  5.474D 5.479 5.480 | 10-10.4  EARTH EXPLORATION-SATELLITE  (active) 5.474A 5.474B 5.474C  FIXED  MOBILE  RADIOLOCATION  Amateur  5.474D 5.479 | 10-10.5  EARTH EXPLORATION-  SATELLITE (active) 5.474A 5.474B 5.474C  RADIOLOCATION US108 G32 | 10-10.45  Amateur  Earth exploration-satellite (active)  5.474A 5.474B 5.474C  Radiolocation US108  5.479 US128 474D NG50 | Private Land Mobile (90)  Amateur Radio (97) |
| 10.4-10.45  FIXED  MOBILE  RADIOLOCATION  Amateur | 10.4-10.45  RADIOLOCATION  Amateur  5.480 | 10.4-10.45  FIXED  MOBILE  RADIOLOCATION  Amateur |
| 10.45-10.5  RADIOLOCATION  Amateur  Amateur-satellite  5.481 | | | 5.479 US128 US474D | 10.45-10.5  Amateur  Amateur-satellite  Radiolocation US108  US128 NG50 |
| 10.5-10.55  FIXED  MOBILE  Radiolocation | 10.5-10.55  FIXED  MOBILE  RADIOLOCATION | | 10.5-10.55  RADIOLOCATION US59 | | Private Land Mobile (90) |
| 10.55-10.6  FIXED  MOBILE except aeronautical mobile  Radiolocation | | | 10.55-10.6 | 10.55-10.6  FIXED | Fixed Microwave (101) |
| 10.6-10.68  EARTH EXPLORATION-SATELLITE (passive)  FIXED  MOBILE except aeronautical mobile  RADIO ASTRONOMY  SPACE RESEARCH (passive)  Radiolocation  5.149 5.482 5.482A | | | 10.6-10.68  EARTH EXPLORATION-  SATELLITE (passive)  SPACE RESEARCH (passive)  US130 US131 US482 | 10.6-10.68  EARTH EXPLORATION-  SATELLITE (passive)  FIXED US482  SPACE RESEARCH (passive)  US130 US131 |
| 10.68-10.7  EARTH EXPLORATION-SATELLITE (passive)  RADIO ASTRONOMY  SPACE RESEARCH (passive)  5.340 5.483 | | | 10.68-10.7  EARTH EXPLORATION-SATELLITE (passive)  RADIO ASTRONOMY US74  SPACE RESEARCH (passive)  US131 US246 | |  |
| 10.7-10.95  FIXED  FIXED-SATELLITE (space-to-Earth)  5.441 (Earth-to-space) 5.484  MOBILE except aeronautical mobile | 10.7-10.95  FIXED  FIXED-SATELLITE (space-to-Earth) 5.441  MOBILE except aeronautical mobile | | 10.7-11.7  US131 US211 | 10.7-11.7  FIXED  FIXED-SATELLITE (space-to-Earth)  5.441 US131 US211 NG52  NG527A | Satellite  Communications (25)  Fixed Microwave (101)  Page 48 |
| 10.95-11.2  FIXED  FIXED-SATELLITE (space-to-Earth)  5.484A 5.484B (Earth-to-space)  5.484  MOBILE except aeronautical mobile | 10.95-11.2  FIXED  FIXED-SATELLITE (space-to-Earth) 5.484A 5.484B  MOBILE except aeronautical mobile | |
|  | | |

\* \* \* \* \*

1. Replace “(13) US13(i)” with “(13)(i) US13”.
2. In the heading of Table 2 to paragraph (c)(13)(i), remove the words “of this section.”
3. Paragraph (c)(270)(i) is corrected to read as follows:

“The peak envelope power of an amateur station shall not exceed 50 watts in the following areas, unless expressly authorized by the FCC after mutual agreement, on a case-by-case basis, between the Regional Director of the applicable field office and the military area frequency coordinator at the applicable military base as listed in Table 1.”

1. Add “Table 1” to the heading of the table immediately following paragraph (c)(270)(i).
2. Correct paragraph (c)(460)(ii) to read as follows:

“(ii) [Reserved].”

1. In paragraph (f) of Section 97.313, the first sentence is corrected to read as follows:

“(f) No station may transmit with a transmitter power exceeding 50 W PEP on the UHF 70 cm band from an area specified in paragraph (i) of footnote US270 in § 2.106 of this chapter, unless expressly authorized by the FCC after mutual agreement, on a case-by-case basis, between the Regional Director of the applicable field facility and the military area frequency coordinator at the applicable military base.”

1. In Section 101.147, the introductory text of paragraph (r) is corrected to read as follows:

“(r) In the bands 17,700 to 19,700 and 24,250 to 25,250 MHz:  Operation of stations using frequencies in these bands is permitted to the extent specified in this paragraph (r). Licensees, except 24 GHz band licensees, may use either a two-way link or one frequency of a frequency pair for a one-way link and must coordinate proposed operations pursuant to the procedures required in § 101.103. The use of the band 18.3‑19.3 GHz is limited to grandfathered stations. Licensees in the fixed-satellite service may require that licensees of grandfathered stations operating in the bands 18.3-19.3 GHz cease operations in accordance with the provisions in § 101.95. (Note that stations authorized as of September 9, 1983, to use frequencies in the band 17.7-19.7 GHz may, upon proper application, continue to be authorized for such operations, consistent with the above conditions related to the 18.3-19.3 GHz band.) Applicants for one-way spectrum from 17.7-18.3 GHz for multichannel video programming distribution are governed by paragraph (r)(6) of this section. Licensees are also allowed to use one-way (unpaired) channels in the 17.7-17.74 GHz sub-band to pair with other channels in the FS portions of the 18 GHz band where, for example, the return pair is already in use and therefore blocked or in TDD systems. Stations used for MVPD operations in the 17.7-17.8 GHz band must coordinate with the Federal Government before operating in the zones specified in § 1.924(e) of this chapter.”

\* \* \* \* \*

FEDERAL COMMUNICATIONS COMMISSION

Mark Stephens

Managing Director

Ronald T. Repasi

Chief, Office of Engineering and Technology

1. *Amendment of the Commission’s Rules Regarding Implementation of the Final Acts of the World Radiocommunication Conference (Sharm el-Sheikh, 2019) (WRC-19), Other Allocation Issues, and Related Rule Updates*, ET Docket No. 23-121, *Amendment of the Commission’s Rules Regarding Implementation of the Final Acts of the World Radiocommunications Conference (Geneva, 2015) (WRC-15), Other Allocation Issues, and Related Rule Updates*, ET Docket No. 23-120, Order and Notice of Proposed Rulemaking, FCC 23-26 (Apr. 21, 2023) (*NPRM*). [↑](#footnote-ref-2)
2. The *NPRM* as published in the Federal Register contains these changes. *See Implementation of the Final Acts of the 2015 World Radiocommunication Conference*, Proposed Rule, 88 FR 67160 (Sept. 29, 2023). [↑](#footnote-ref-3)
3. 47 CFR § 2.106. [↑](#footnote-ref-4)