

2305-2310 MHz

1. Introduction

Federal usage of the 2305-2310 MHz band by the Department of Defense is minimal and confined to a few locations, and all operations are conducted on a non-interference basis.

2. Allocations

2a. Allocations Table

The frequency allocations table shown below is extracted from the Manual of Regulations and Procedures for Federal Radio Frequency Management, Chapter 4 – Allocations, Allotments and Plans.

Table of Frequency Allocations

United States Table

| Federal Table | Non-Federal Table | FCC Rule Part(s) |
|---------------|---|---|
| 2305-2310 | 2305-2310 FIXED MOBILE except aeronautical mobile RADIOLOCATION Amateur | Wireless Communications (27) Amateur Radio (97) |
| US338 G122 | US338 | |

2b. Additional Allocations Table Information

G122 In the bands 2300-2310 MHz, 2395-2400 MHz, 2400-2417 MHz, and 4940-4990 MHz, Federal operations may be authorized on a non-interference basis to authorized non-Federal operations, and shall not constrain the implementation of any non-Federal operations.

US338 The following provisions shall apply in the band 2305-2320 MHz:

(a) In the sub-band 2305-2310 MHz, space-to-Earth operations are prohibited.

(b) Within 145 km of Goldstone, CA (35° 25' 33" N, 116° 53' 23" W), Wireless Communications Service (WCS) licensees operating base stations in the band 2305-2320 MHz shall, prior to operation of those base stations, achieve a mutually satisfactory coordination agreement with the National Aeronautics and Space Administration (NASA).

NOTE: NASA operates a deep space facility in Goldstone in the band 2290-2300 MHz.

3. Federal Agency Use

3a. Federal Agency Frequency Assignments Table

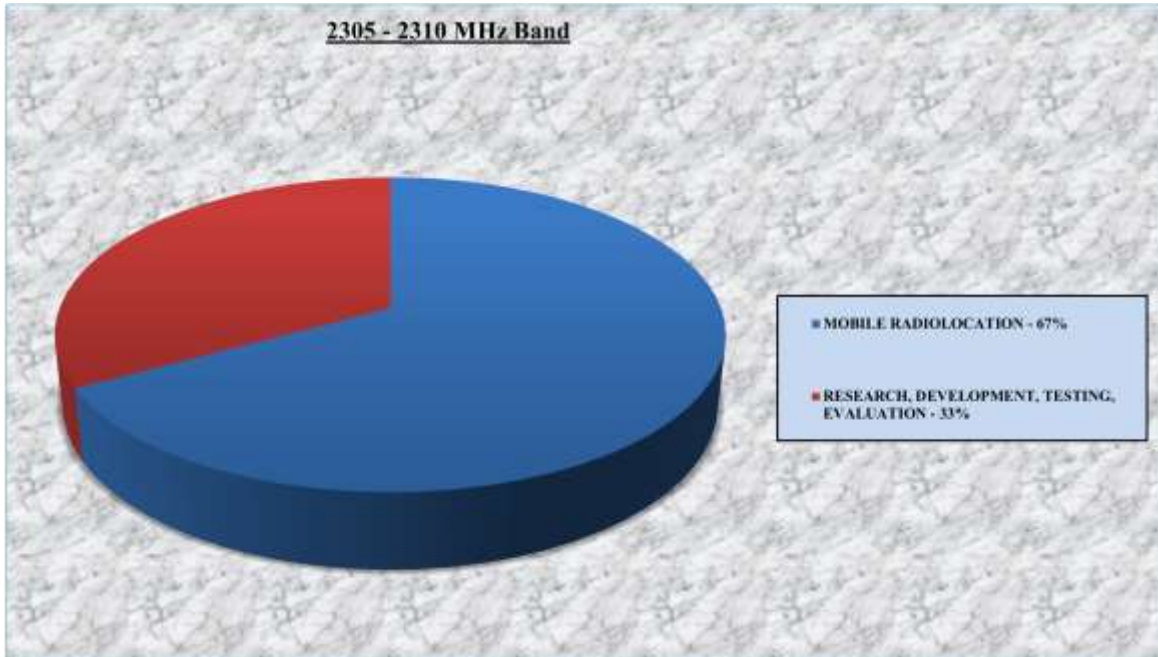
The following table identifies the frequency band, types of allocations, types of applications, and the number of frequency assignments by agency.

Federal Frequency Assignment Table

| 2305-2310 MHz Band | | | | |
|--|----------------------|---|----------|---|
| NON-FEDERAL EXCLUSIVE BAND | | | | |
| AGENCY | TYPE OF APPLICATION | | | |
| | MOBILE RADIOLOCATION | RESEARCH DEVELOPMENT TESTING EVALUATION | TOTAL | |
| | AF | | | 1 |
| N | 2 | | | 2 |
| TOTAL | 2 | 1 | 3 | |
| The number of actual systems, or number of equipments, may exceed and sometimes far exceed, the number of frequency assignments in a band. Also, a frequency assignment may represent, a local, state, regional or nationwide authorization. Therefore, care must be taken in evaluating bands strictly on the basis of assignment counts or percentages of assignments. | | | | |

3b. Percentage of Frequency Assignments Chart

The following chart displays the percentage of frequency assignments for the various types of Federal systems operating in the 2305-2310 MHz band.



4. Frequency Band Analysis by Application

4a. Research, Development, Testing and Evaluation

The Air Force uses this band for research and development, operational tests, tactics and training.

4b. Radiolocation

The Navy uses this band for a shipboard radar system located at the Fleet Operational Readiness Accuracy Checksite in Hawaii, which provides measurement of a ship sensor (e.g., shipboard direction finder) to check its navigational accuracy in littoral waters along the coast of Hawaii.

5. Planned Use

The Federal Government use of this band is, and is expected to remain, minimal.