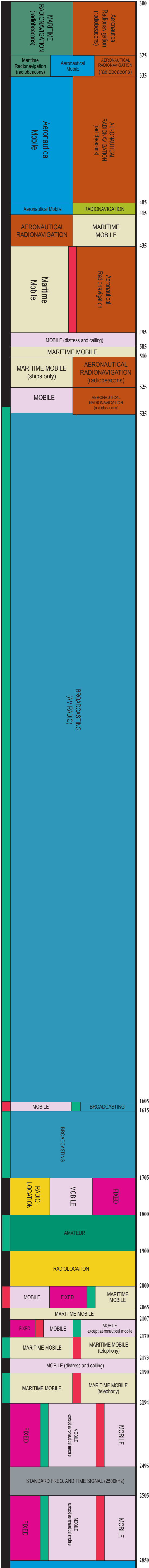


FCC data compliments of starpath.com

300 kHz

LF • MF • HF • VHF • UHF • SHF • EHF



Non-Federal Travelers Information Stations (TIS), a mobile service, are authorized in the 535-1705 kHz band. Federal TIS operates at 1610 kHz.

300 kHz

3 MHz

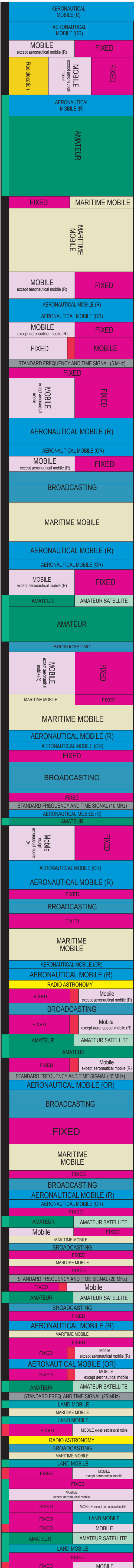
3 MHz

ISM - 6.78 ± .015 MHz

ISM - 13.560 ± .007 MHz

ISM - 27.12 ± .163 MHz

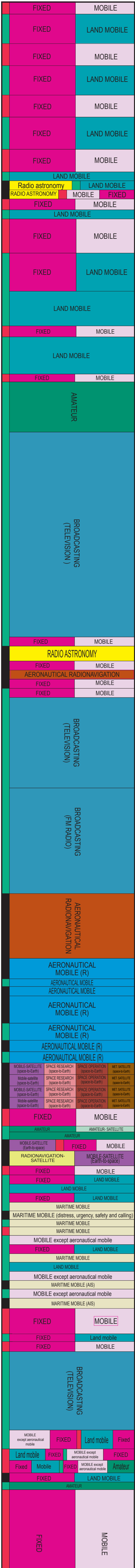
30 MHz



30 MHz

ISM - 40.68 ±.02 MHz

300 MHz



300 MHz

	FIXED		MOBILE				
	AERONAUTICAL RADIONAVIGATION						
	FIXED		MOBILE				
	RADIONAVIGATION SATELLITE		MOBILE SATELLITE (Earth-to-space)				
	STANDARD FREQUENCY AND TIME SIGNAL - SATELLITE (400.1 MHz)						
	MET. AIDS (Radiosonde)	MOBILE SAT (S-E)	SPACE RES. (S-E)	Space Opn. (S-E)			
	MET. AIDS (Radiosonde)	SPACE OPN. (S-E)	MET-SAT. (E-S)	EARTH EXPL. SAT. (E-S)			
	MET. AIDS (Radiosonde)			Met-Satellite (E-S)			
	MET. AIDS (Radiosonde)	MET-SAT. (E-S)	EARTH EXPL. SAT. (E-S)	Earth Expl Sat (E-S)			
	METEOROLOGICAL AIDS (RADIOSONDE)						
	MOBILE SATELLITE (Earth-to-space)						
	RADIO ASTRONOMY	FIXED		MOBILE			
	FIXED		MOBILE	SPACE RESEARCH (space-to-space)			
	RADIOLOCATION			Amateur			
	LAND MOBILE						
	FIXED		LAND MOBILE				
	LAND MOBILE						
	FIXED		LAND MOBILE				
	Meteorological Satellite (space-to-Earth)		LAND MOBILE	FIXED			
LAND MOBILE							
LAND MOBILE			FIXED				
LAND MOBILE			FIXED				
	LAND MOBILE	FIXED		BROADCASTING (TELEVISION)			
	BROADCASTING (TELEVISION)						
	LAND MOBILE (medical telemetry and medical telecommand)		RADIO ASTRONOMY				
	BROADCASTING (TELEVISION)						
					FIXED	MOBILE	BROADCASTING (TELEVISION)
					FIXED		MOBILE
					FIXED	MOBILE	BROADCASTING
					FIXED		MOBILE
					FIXED	MOBILE	BROADCASTING
					LAND MOBILE		
					FIXED	LAND MOBILE	
					AERONAUTICAL MOBILE		
					LAND MOBILE		
					FIXED	LAND MOBILE	
					AERONAUTICAL MOBILE		
					FIXED	LAND MOBILE	
					FIXED	MOBILE	
	RADIOLOCATION						
	FIXED						
	FIXED	LAND MOBILE					
	FIXED	MOBILE					
	FIXED	LAND MOBILE					
	FIXED						
	FIXED	LAND MOBILE					
	FIXED	MOBILE					
	FIXED						
	FIXED						
	AERONAUTICAL RADIONAVIGATION						
	RADIONAVIGATION-SATELLITE (space-to-Earth)(space-to-space)		AERONAUTICAL RADIONAVIGATION				
	Earth Exploration-Satellite (Earth)	RADIO-LOCATION	RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space)	SPACE RESEARCH (Earth)			
	Earth Exploration-Satellite (Earth)	RADIO-LOCATION	SPACE RESEARCH (Earth)	Earth exploration-satellite (Earth)			
	Earth Exploration-Satellite (Earth)	RADIO-LOCATION	SPACE RESEARCH (Earth)	Earth exploration-satellite (Earth)			
	AERONAUTICAL RADIONAVIGATION			Radiolocation			
	FIXED	MOBILE	RADIOLOCATION				
	FIXED	MOBILE **	Fixed-satellite (Earth-to-space)				
	FIXED		MOBILE **				
	LAND MOBILE (medical telemetry and medical telecommand)						
	EARTH EXPLORATION - SATELLITE (passive)		RADIO ASTRONOMY	SPACE RESEARCH (passive)			
	LAND MOBILE (medical telemetry and medical telecommand)	LAND MOBILE (telemetry and telecommand)		Fixed (telemetry)			
	FIXED (telemetry and telecommand)		LAND MOBILE (telemetry & telecommand)				
	FIXED (telemetry and telecommand)		LAND MOBILE (telemetry & telecommand)	Fixed-satellite (space-to-Earth)			
	FIXED		MOBILE **				
	MOBILE (aeronautical telemetry)						
	MOBILE SATELLITE (space-to-Earth)						
	RADIONAVIGATION-SATELLITE (space-to-Earth)(space-to-space)		AERONAUTICAL RADIONAVIGATION				
	RADIO DETERMINATION-SATELLITE (Earth-to-space)		AERONAUTICAL RADIONAVIGATION	MOBILE SATELLITE (Earth-to-space)			
	RADIO ASTRONOMY	RADIO DETERMINATION-SATELLITE (Earth-to-space)	AERONAUTICAL RADIONAVIGATION	MOBILE SATELLITE (Earth-to-space)			
	Mobile-satellite (space-to-Earth)	RADIO DETERMINATION-SATELLITE (Earth-to-space)	AERONAUTICAL RADIONAVIGATION	MOBILE SATELLITE (Earth-to-space)			
	MOBILE SATELLITE(Earth-to-space)						
	RADIO ASTRONOMY		MOBILE SATELLITE (Earth-to-space)				
	RADIO ASTRONOMY		SPACE RESEARCH (passive)				
	METEOROLOGICAL AIDS (radiosonde)		RADIO ASTRONOMY				
	FIXED		MOBILE **				
	METEOROLOGICAL SATELLITE (space-to-Earth)		METEOROLOGICAL AIDS (radiosonde)				
	METEOROLOGICAL SATELLITE (space-to-Earth)		Fixed	MOBILE **			
	FIXED		MOBILE				
	SPACE OPERATION (Earth-to-space)		MOBILE	FIXED			
	SPACE OPERATION (Earth-to-space)						
	MOBILE		FIXED				
	MOBILE	FIXED	MOBILE SATELLITE (Earth-to-space)				
	FIXED		MOBILE				
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	MOBILE			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	MOBILE		FIXED				
	MOBILE		FIXED	MOBILE SATELLITE (space-to-Earth)			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE OPERATION (Earth-to-space) (space-to-space)	FIXED			
	SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RE					

ISM - 915.0±13 MHz

ISM - 2450.0±.50 MHz

3 GHz

300.0
328.6
335.4
399.9
400.05
400.15
401.0
401.0
402.0
403.0
406.0
406.1
410.0
420.0
450.0
454.0
455.0
456.0
460.0
462.5375
462.7375
467.5375
467.7375
470.0
512.0
608.0
614.0
698.0
763.0
775.0
793.0
805.0
806.0
809.0
849.0
851.0
854.0
894.0
896.0
901.0
902.0
928.0
929.0
930.0
931.0
932.0
935.0
940.0
941.0
944.0
960.0
1164.0
1215.0
1240.0
1300.0
1350.0
1390.0
1392.0
1395.0
1400.0
1427.0
1429.5
1430.0
1432.0
1435.0
1525.0
1559.0
1610.0
1610.6
1613.8
1626.5
1660.0
1660.5
1668.4
1670.0
1675.0
1695.0
1710.0
1761.0
1780.0
1850.0
2000.0
2020.0
2025.0
2110.0
2180.0
2200.0
2290.0
2300.0
2305.0
2310.0
2320.0
2345.0
2360.0
2390.0
2395.0
2417.0
2450.0
2483.5
2495.0
2500.0
2655.0
2690.0
2700.0
2900.0
3000.0

3 GHz

MARITIME RADIONAVIGATION		RADIOLOCATION		Radiolocation	
Space research (active)	Earth exploration-satellite (active)	RADIOLOCATION		Radiolocation	
Radiolocation		Radiolocation		Amateur	
AERONAUTICAL RADIONAVIGATION (ground based)		RADIOLOCATION		Radiolocation	
AERONAUTICAL RADIONAVIGATION (ground based)	RADIOLOCATION	FIXED-SATELLITE (space-to-Earth)		Radiolocation	
MOBILE**		FIXED-SATELLITE (space-to-Earth)		FIXED	
FIXED		FIXED-SATELLITE (space-to-Earth)			
AERONAUTICAL RADIONAVIGATION					
FIXED		MOBILE			
FIXED-SATELLITE (space-to-Earth)		MOBILE		FIXED	
FIXED		MOBILE**			
RADIO ASTRONOMY		Space Research (passive)			
AERONAUTICAL RADIONAVIGATION		RADIONAVIGATION-SATELLITE (Earth-to-space)			
AERONAUTICAL RADIONAVIGATION		RADIONAVIGATION-SATELLITE (space-to-Earth)(space-to-space)			
AERONAUTICAL RADIONAVIGATION					
AERONAUTICAL RADIONAVIGATION		FIXED-SATELLITE (Earth-to-space)			
RADIOLOCATION		SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Radiolocation	Space research (active) Earth exploration-satellite (active)
RADIOLOCATION		SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Radiolocation	Space research (active) Earth exploration-satellite (active)
AERONAUTICAL RADIONAVIGATION	RADIOLOCATION	SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Radiolocation	Space research (active) Earth exploration-satellite (active)
AERONAUTICAL RADIONAVIGATION	RADIOLOCATION	SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Radiolocation	Space research (active) Earth exploration-satellite (active)
MARITIME RADIONAVIGATION		SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Space research (active)	Earth exploration-satellite (active)
RADIOLOCATION		SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Space research (active)	Earth exploration-satellite (active)
RADIOLOCATION		MARITIME RADIONAVIGATION			
MARITIME RADIONAVIGATION	METEOROLOGICAL AIDS		RADIOLOCATION		
RADIOLOCATION		Amateur			
RADIOLOCATION		Amateur-satellite (space-to-Earth)		Amateur	
RADIOLOCATION		MOBILE	FIXED-SATELLITE (Earth-to-space)		Amateur
FIXED		FIXED SATELLITE (Earth-to-space)			
FIXED-SATELLITE (Earth-to-space)		MOBILE			
FIXED-SATELLITE (Earth-to-space)		FIXED			
FIXED-SATELLITE (Earth-to-space)(space-to-Earth)			FIXED		
MOBILE	FIXED-SATELLITE (Earth-to-space)(space-to-Earth)			FIXED	
MOBILE	FIXED-SATELLITE (Earth-to-space)			FIXED	
MOBILE		FIXED			
FIXED					
FIXED	SPACE RESEARCH (deep space)(Earth-to-space)				
FIXED	SPACE RESEARCH (Earth-to-space)				
FIXED					
FIXED-SATELLITE (space-to-Earth)		MOBILE-SATELLITE (space-to-Earth)		Fixed	
FIXED-SATELLITE (space-to-Earth)		Mobile-satellite (space-to-Earth)		FIXED	
FIXED-SATELLITE (space-to-Earth)		METEOROLOGICAL SATELLITE (space-to-Earth)	Mobile-satellite (space-to-Earth)		FIXED
FIXED-SATELLITE (space-to-Earth)		Mobile-satellite (space-to-Earth)		FIXED	
METEOROLOGICAL-SATELLITE (space-to-Earth)		FIXED			
FIXED					
FIXED-SATELLITE (Earth-to-space)		MOBILE-SATELLITE (Earth-to-space)		Fixed	
EARTH EXPLORATION-SATELLITE (space-to-Earth)		FIXED SATELLITE (Earth-to-space)		Mobile-satellite (no airborne)	FIXED
METEOROLOGICAL-SATELLITE (space-to-Earth)	FIXED-SATELLITE (Earth-to-space)	EARTH EXPLORATION-SATELLITE (space-to-Earth)		FIXED	Mobile-satellite (Earth-to-space) (no airborne)
EARTH EXPLORATION-SATELLITE (space-to-Earth)		FIXED-SATELLITE (Earth-to-space)		Mobile-satellite (no airborne)	FIXED
FIXED	SPACE RESEARCH (deep space)(space-to-Earth)		Space research (deep space)(space-to-Earth)		
SPACE RESEARCH (space-to-Earth)					FIXED
RADIOLOCATION		Radiolocation			
SPACE RESEARCH (active)	LOCATION	RADIO-SATELLITE (active)	EARTH EXPLORATION-SATELLITE (active)	Space research (active)	Earth exploration-satellite (active)
RADIOLOCATION		Radiolocation			
AERONAUTICAL RADIONAVIGATION		Radiolocation			
MARITIME RADIONAVIGATION		Radiolocation			
RADIONAVIGATION		Meteorological Aids		Radiolocation	
SPACE RESEARCH (active)	LOCATION	RADIO-SATELLITE (active)	EARTH EXPLORATION-SATELLITE (active)	Space research (active)	Earth exploration-satellite (active)
RADIOLOCATION		Radiolocation			
RADIOLOCATION		Radiolocation		Amateur	
RADIOLOCATION		Radiolocation		Amateur	Amateur-satellite
RADIOLOCATION					
FIXED					
SPACE RESEARCH (passive)		EARTH EXPLORATION-SATELLITE (passive)		FIXED	
RADIO ASTRONOMY		SPACE RESEARCH (passive)		EARTH EXPLORATION-SATELLITE (passive)	
FIXED		FIXED-SATELLITE (space-to-Earth)			
FIXED-SATELLITE (space-to-Earth)					
BROADCASTING-SATELLITE		FIXED			
FIXED-SATELLITE (Earth-to-space)		MOBILE	FIXED		
Aeronautical Radionavigation		SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	Space research (active)	Earth exploration-satellite (active)
Standard frequency and time signal satellite (Earth-to-space)		Radio-LOCATION	Earth exploration-satellite (active)	RADIO-LOCATION	EARTH EXPLORATION-SATELLITE (active)
		Radio-LOCATION	Space research	FIXED-SATELLITE (Earth-to-space)	LOCATION
Space research	Mobile-satellite (Earth-to-space)		FIXED-SATELLITE (Earth-to-space)		
Mobile-satellite (space-to-Earth)		FIXED-SATELLITE (Earth-to-space)			
Fixed	Mobile	Mobile-satellite (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)		
FIXED		Mobile	Space research		
MOBILE	Fixed		Space research		
Fixed	SPACE RESEARCH		MOBILE		
FIXED	SPACE RESEARCH		Mobile		
RADIO ASTRONOMY		SPACE RESEARCH (passive)		EARTH EXPLORATION-SATELLITE (passive)	
AERONAUTICAL RADIONAVIGATION					
AERONAUTICAL RADIONAVIGATION		FIXED-SATELLITE (Earth-to-space)			
AERONAUTICAL RADIONAVIGATION					
Radiolocation		RADIOLOCATION			
Radiolocation	RADIOLOCATION		Space research (deep space)(Earth-to-space)		
Radiolocation		RADIOLOCATION			
Space research (active)	Radio-LOCATION	Earth exploration-satellite (active)	SPACE RESEARCH (active)	LOCATION	EARTH EXPLORATION-SATELLITE (active)
BROADCASTING-SATELLITE		FIXED-SATELLITE (Earth-to-space)		Radiolocation	
FIXED-SATELLITE (Earth-to-space)		FIXED			
FIXED		FIXED-SATELLITE (space-to-Earth)			
FIXED-SATELLITE (space-to-Earth)					
SPACE RESEARCH (passive)		FIXED-SATELLITE (space-to-Earth)		EARTH EXPLORATION-SATELLITE (passive)	
FIXED-SATELLITE (space-to-Earth)					
FIXED-SATELLITE (space-to-Earth)		FIXED			
FIXED-SATELLITE (space-to-Earth)		MOBILE-SATELLITE (space-to-Earth)			
Standard frequency and time signal satellite (space-to-Earth)		FIXED-SATELLITE (space-to-Earth)			
		MOBILE-SATELLITE (space-to-Earth)			
SPACE RESEARCH (passive)		EARTH EXPLORATION-SATELLITE (passive)		MOBILE	FIXED
FIXED		MOBILE			
FIXED		MOBILE**			
RADIO ASTRONOMY		SPACE RESEARCH (passive)		FIXED	MOBILE** Earth exploration-satellite (passive)
FIXED		MOBILE			
FIXED		MOBILE		INTER-SATELLITE	
FIXED		MOBILE			
RADIO ASTRONOMY		SPACE RESEARCH (passive)		EARTH EXPLORATION-SATELLITE (passive)	
AMATEUR		AMATEUR-SATELLITE			
Earth exploration-satellite (active)	RADIO-LOCATION		Amateur		Radio-location
FIXED					
RADIONAVIGATION		INTER-SATELLITE			
INTER-SATELLITE		RADIOLOCATION-SATELLITE (Earth-to-space)			
RADIONAVIGATION		FIXED-SATELLITE (Earth-to-space)			
FIXED		FIXED-SATELLITE (Earth-to-space)			
Standard frequency and time signal satellite (Earth-to-space)		FIXED	INTER-SATELLITE	MOBILE	
		MOBILE	INTER-SATELLITE	EARTH EXPLORATION-SATELLITE (space-to-Earth)	
Inter-satellite	FIXED	MOBILE	INTER-SATELLITE		
FIXED		MOBILE		FIXED-SATELLITE (Earth-to-space)	
FIXED-SATELLITE (Earth-to-space)		MOBILE-SATELLITE (Earth-to-space)		30 GHz	

30 GHz

Standard Frequency and Time Signal Satellite (space-to-Earth)			FIXED - SATELLITE (Earth-to-space)	MOBILE - SATELLITE (Earth-to-space)	30.0
			FIXED	MOBILE	31.0
	RADIO ASTRONOMY		SPACE RESEARCH (passive)	EARTH EXPLORATION - SATELLITE (passive)	31.3
	SPACE RESEARCH (deep space) (space-to-Earth)			RADIONAVIGATION	31.8
	RADIONAVIGATION		INTER-SATELLITE		32.3
	RADIONAVIGATION				33.0
	RADIOLOCATION			Radiolocation	33.4
	Space research (deep space) (Earth-to-space)	Radio-location	SPACE RESEARCH (deep space) (Earth-to-space)	RADIO-LOCATION	34.2
	RADIOLOCATION			Radiolocation	34.7
	Space research (active)	location	Radio location	Earth exploration - satellite (active)	35.5
	FIXED	MOBILE	SPACE RESEARCH (passive)	EARTH EXPLORATION - SATELLITE (passive)	36.0
	MOBILE	FIXED	SPACE RESEARCH (space-to-Earth)		37.0
	MOBILE	FIXED	SPACE RESEARCH (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)	37.5
	MOBILE	FIXED	FIXED-SATELLITE (space-to-Earth)		38.0
	MOBILE	FIXED-SATELLITE (space-to-Earth)			38.6
	FIXED-SATELLITE (space-to-Earth)		MOBILE-ESATELLITE (space-to-Earth)	MOBILE	39.5
	MOBILE SATELLITE (space-to-Earth)	MOBILE SATELLITE (space-to-Earth)	FIXED SATELLITE (space-to-Earth)	Earth exploration satellite (space-to-Earth)	40.0
	MOBILE SATELLITE (space-to-Earth)	MOBILE SATELLITE (space-to-Earth)	FIXED SATELLITE (space-to-Earth)	MOBILE	40.5
	FIXED-SATELLITE (space-to-Earth)	BROADCASTING	BROADCASTING-SATELLITE	MOBILE	41.0
	FIXED-SATELLITE (space-to-Earth)	BROADCASTING	BROADCASTING-SATELLITE	MOBILE	41.5
	BROADCASTING SATELLITE	BROADCASTING	MOBILE	FIXED	42.0
	RADIO ASTRONOMY	FIXED-SATELLITE (Earth-to-space)	MOBILE**	FIXED	42.5
	MOBILE-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)			43.5
	RADIONAVIGATION-SATELLITE	MOBILE-SATELLITE (Earth-to-space)		MOBILE	44.5
	RADIO-NAVIGATION-SATELLITE	MOBILE-SATELLITE (Earth-to-space)		MOBILE	45.5
	AMATEUR		AMATEUR-SATELLITE		46.9
	FIXED-SATELLITE (Earth-to-space)		MOBILE	FIXED	47.0
	FIXED-SATELLITE (Earth-to-space)		MOBILE	FIXED	47.2
	SPACE RESEARCH (passive)		EARTH EXPLORATION-SATELLITE (passive)		48.2
	MOBILE-SATELLITE (Earth-to-space)			MOBILE	50.2
	FIXED-SATELLITE (Earth-to-space)			MOBILE	50.4
	MOBILE		FIXED		51.4
	EARTH EXPLORATION-SATELLITE (passive)		SPACE RESEARCH (passive)		52.6
	SPACE RESEARCH (passive)	INTER- SATELLITE		EARTH EXPLORATION-SATELLITE (passive)	54.25
	MOBILE	FIXED	INTER-SATELLITE	SPACE RESEARCH (passive)	55.78
	MOBILE	FIXED	EARTH EXPLORATION-SATELLITE (passive)	INTER-SATELLITE	56.9
	MOBILE	FIXED	SPACE RESEARCH (passive)	INTER-SATELLITE	57.0
	MOBILE	FIXED	SPACE RESEARCH (passive)	EARTH EXPLORATION-SATELLITE (passive)	57.2
	MOBILE	FIXED	SPACE RESEARCH (passive)	EARTH EXPLORATION-SATELLITE (passive)	58.2
	MOBILE	FIXED	RADIO-LOCATION	INTER-SATELLITE	59.0
	MOBILE	FIXED	RADIOLOCATION	INTER-SATELLITE	59.3
	MOBILE**		FIXED		64.0
	MOBILE **	FIXED	EARTH EXPLORATION-SATELLITE	INTER-SATELLITE	65.0
	MOBILE	MOBILE-SATELLITE	RADIO NAVIGATION-SATELLITE	RADIO NAVIGATION	66.0
	FIXED-SATELLITE (space-to-Earth)	MOBILE SATELLITE (space-to-Earth)	FIXED	MOBILE	71.0
	MOBILE	FIXED	SPACE research (space-to-Earth)	BROADCASTING	74.0
	Space research (space-to-Earth)	RADIOLOCATION	RADIO ASTRONOMY	Amateur	76.0
	Space research (space-to-Earth)	RADIOLOCATION	RADIO ASTRONOMY	Amateur-satellite	77.0
	Space research (space-to-Earth)	RADIO ASTRONOMY	Amateur-satellite	AMATEUR	77.5
	Space research (space-to-Earth)	RADIOLOCATION	RADIO ASTRONOMY	Amateur-satellite	78.0
	MOBILE	FIXED	SPACE research (space-to-Earth)	RADIO ASTRONOMY	81.0
	RADIO ASTRONOMY	MOBILE	FIXED	FIXED-SATELLITE (space-to-Earth)	84.0
	RADIO ASTRONOMY	SPACE RESEARCH (passive)	EARTH EXPLORATION-SATELLITE (passive)		86.0
	FIXED	MOBILE	RADIO-LOCATION	RADIO ASTRONOMY	92.0
	RADIO ASTRONOMY	RADIO-LOCATION	SPACE RESEARCH (active)	EARTH EXPLORATION-SATELLITE (active)	94.0
	FIXED	MOBILE	RADIO-LOCATION	RADIO ASTRONOMY	94.1
	RADIO-NAVIGATION-SATELLITE	RADIO-NAVIGATION	RADIO-LOCATION	MOBILE	95.0
	SPACE RESEARCH (passive)	RADIO ASTRONOMY		EARTH EXPLORATION-SATELLITE (passive)	100.0
	RADIO ASTRONOMY	MOBILE		FIXED	102.0
	SPACE RESEARCH (passive)	RADIO ASTRONOMY	MOBILE	FIXED	105.0
	SPACE RESEARCH (passive)	RADIO ASTRONOMY	EARTH EXPLORATION-SATELLITE (passive)		109.5
	FIXED	MOBILE	SPACE RESEARCH (passive)	RADIO ASTRONOMY	111.8
	SPACE RESEARCH (passive)	RADIO ASTRONOMY	EARTH EXPLORATION-SATELLITE (passive)		114.2
	INTER-SATELLITE	SPACE RESEARCH (passive)	EARTH EXPLORATION-SATELLITE (passive)		116.0
	FIXED	MOBILE	INTER-SATELLITE	Amateur	122.2
	Radio astronomy	RADIO-NAVIGATION-SATELLITE	RADIO-NAVIGATION	FIXED-SATELLITE (space-to-Earth)	123.0
	FIXED	MOBILE	INTER-SATELLITE	RADIO ASTRONOMY	130.0
	Radio astronomy	AMATEUR	AMATEUR - SATELLITE		134.0
	RADIO LOCATION	RADIO ASTRONOMY	Amateur	Amateur - satellite	136.0
	FIXED	MOBILE	RADIO ASTRONOMY	RADIOLOCATION	141.0
	SPACE RESEARCH (passive)	RADIO ASTRONOMY		EARTH EXPLORATION-SATELLITE (passive)	148.5
	FIXED	MOBILE	RADIO ASTRONOMY	RADIOLOCATION	151.5
	RADIO ASTRONOMY	MOBILE	FIXED	EARTH EXPLORATION-SATELLITE (passive)	155.5
	FIXED	MOBILE	MOBILE-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)	158.5
	EARTH EXPLORATION-SATELLITE (passive)	RADIO ASTRONOMY		SPACE RESEARCH (passive)	164.0
	FIXED	MOBILE	FIXED-SATELLITE (space-to-Earth)	INTER-SATELLITE	167.0
	FIXED	MOBILE		INTER-SATELLITE	174.5