

U.S.A. Amateur Radio SHF Band Plan

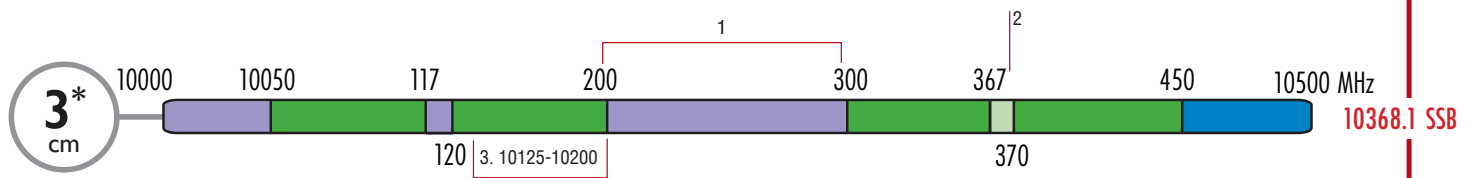
This band plan is meant to be a general guide and local band plans take precedence.

- ATV
- Digital
- Satellite
- FM Repeater
- Weak Signal
- FM Simplex
- All-Mode Duplex
- Non-Amateur
- Wi-Fi / Wideband
- Experimental



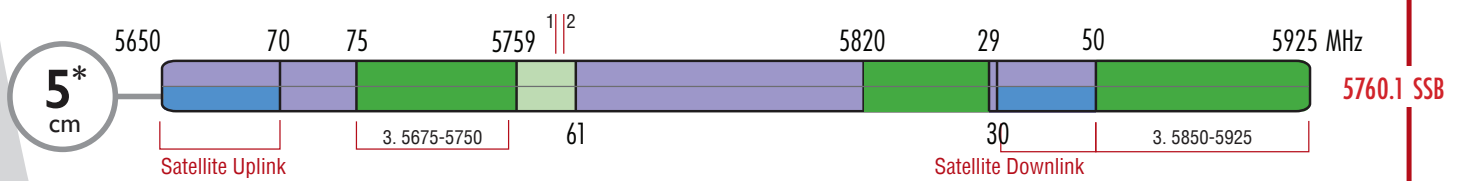
***Notes:**

- 1: Between 24 and 24.050 GHz the amateur and amateur satellite service have a primary/exclusive status, while the status is secondary in the remainder of the allocation. The all mode section in the secondary segment should only be used in case the preferred segment cannot be used.
- 2: 24048.75-24048.80 – Beacons ACDS (Automatic Controlled Data Stations)
- 3: 24048.80-24048.995 – Beacons



***Notes:**

- 1: 10200-10300 – Wideband
- 2: 10368.300-10368.4 – Beacons
- 3: Broadband segment may be used for any combination of high-speed data (e.g. 802.11 protocols), Amateur Television (ATV) and other high-bandwidth activities. Division into channels and/or separation of uses within this segment may be done regionally based on needs and usage.



***Notes:**

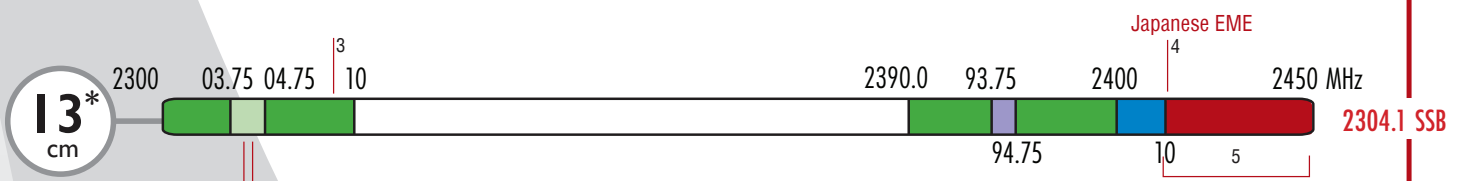
- 1: 5760.0-5760.1 – EME
- 2: 5760.3-5760.4 – Beacons
- 3: Broadband segment may be used for any combination of high-speed data (e.g.: 802.11 protocols), Amateur Television (ATV) and other high-bandwidth activities. Division into channels and/or separation of uses within this segment may be done regionally based on needs and usage.

9 cm

*More information about 9 cm band usage can be found here:

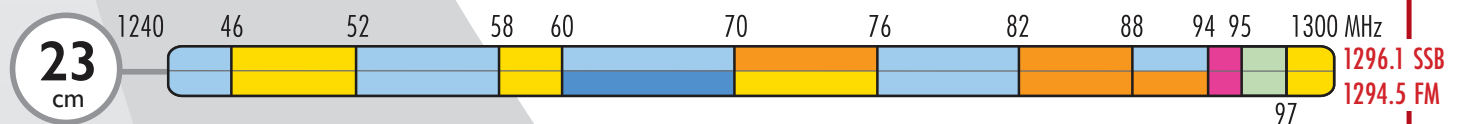
- www.arrl.org/news/amateur-operation-in-3-45-3-5-ghz-segment-must-cease-by-april-14-2022
- <https://www.federalregister.gov/documents/2020/10/09/2020-22528/facilitating-shared-use-in-the-3100-3550-mhz-band>

13 cm & 23 cm UHF



***Notes:**

- 1: 2304.3-2304.4 – Beacons
- 2: 2304.0-2304.1 – EME
- 3: 2305.0 - 2310.0 – Allocated on a primary basis to Wireless Communications Services (Part 27). Amateur operations in this segment, which are secondary, may not be possible in all areas.
- 4: 2424.100 – Japanese EME transmit frequency
- 5: Broadband segment may be used for any combination of high-speed data (e.g., 802.11 protocols), Amateur Television (ATV) and other high-bandwidth activities. Division into channels and/or separation of uses within this segment may be done regionally based on needs and usage.



National Calling Frequency

ITU Phonetic Alphabet

A Alpha	H Hotel	O Oscar	V Victor
B Bravo	I India	P Papa	W Whiskey
C Charlie	J Juliet	Q Quebec	X X-ray
D Delta	K Kilo	R Romeo	Y Yankee
E Echo	L Lima	S Sierra	Z Zulu
F Foxtrot	M Mike	T Tango	
G Golf	N November	U Uniform	

Common Q Signals

QTH	Location	"What's your QTH?"
QRZ	Who is calling me?	"KE7XXX QRZ?"
QRP	Low Power	"I'm running QRP from Washington" (<5 watts on HF, 10 on VHF)
QSY	Change Frequency	"Can you QSY up to 10 (kHz)?"
QSO	Conversation/Contact	"Thanks for the QSO"
QRM	Man-Made Noise	"I have a lot of QRM here in the car" / QRN - Atmospheric Noise - "Lots of QRN today"
QSL	Acknowledge Receipt	"Copy KE7XXX in Redmond, Washington. QSL?" Response: "QSL Redmond, Washington"

For more detailed information regarding amateur bands and SHF, refer to the following sites:

- www.arrl.org/frequency-allocations
- www.iaru.org/wp-content/uploads/2020/01/R2-Band-Plan-2016.pdf

This band plan is a summary of SHF and UHF allocations and is current as of April 2023. All frequencies and allocations are subject to change without notice or obligation and may be superseded regionally based on needs and usage.

Developed with Scott Honaker, N7SS for exclusive use by Icom America Inc.