

RADIO AMATEURS OF/DU CANADA



AMATEUR RADIO 60M OPERATIONS INFORMATION

HOW CAN I BE SURE I'M ON THE RIGHT FREQUENCY?

There are two concerns here. One is your suppressed carrier radio frequency and the other is your audio frequency bandwidth. There's apparently some confusion between the two as they involve using these new channels.

The channels that Industry Canada has allocated for the Amateur Radio Service are 5332, 5348, 5358.5, 5373 and 5405 kHz. These are channel-center frequencies, not the ones you'd tune your radio to unless using CW or PSK31. Amateurs "must assure that their signal is transmitted on the channel-center frequency." This means the amateur signal must be centered within the 2.8-kHz-wide channel. Amateurs should tune 1.5 kHz below the center-channel frequencies to be "on channel" using USB and Pactor III. Amateurs need to be sure that the tuning display readout reflects transmitted (ie, carrier) frequency (most do). Consult your transceiver's manual if you're not sure.

When operating SSB, upper sideband will be the convention to follow on the 60M band.

Other modes that are permissible will be CW, Data (including PSK 31 and Pactor III), and RTTY.

60 Meter Amateur Radio Band Channels as of January 22, 2014

Each channel having an effective bandwidth of 2.8 kHz

Channel Center	Amateur CARRIER Tuning Frequency
5332 kHz	5330.5 kHz
5348 kHz	5346.5 kHz
5358.5 kHz	5357.0kHz
5373 kHz	5371.5 kHz
5405 kHz	5403.5 kHz It is important to note that the frequencies shown above in the green area of this chart are <i>suppressed carrier frequencies</i> -- the frequencies that appear in your transceiver's tuning display when your transceiver is in the USB mode.

MAXIMUM ALLOWED POWER IS 100W **ERP** (EFFECTIVE RADIATED POWER)

Industry Canada allows 100w of power being radiated from the antenna not the transceiver itself. In other words if your antenna generates any gain, this must be factored in so you do not exceed the maximum power limit.

Enjoy the new frequencies in 60m, RAC worked hard and was instrumental in allowing Industry Canada to approve this new spectrum to Canadian amateur radio operators.



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