

MIPRO UHF CHANNELS AND FREQUENCIES

FREQUENCY CODE : 6A Frequency Range: (620~644MHz)

| | | | | | | | | |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Receiver Displays | 0 CH | 1 CH | 2 CH | 3 CH | 4 CH | 5 CH | 6 CH | 7 CH |
| Actual Frequency | 621.525 | 622.050 | 623.025 | 623.450 | 626.150 | 626.675 | 627.725 | 628.175 |
| Receiver Displays | 8 CH | 9 CH | A CH | B CH | C CH | D CH | E CH | F CH |
| Actual Frequency | 635.675 | 636.100 | 637.275 | 637.825 | 640.400 | 640.925 | 642.050 | 642.475 |

FREQUENCY CODE : 6B Frequency Range: (644 - 668MHz)

| | | | | | | | | |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Receiver Displays | 0 CH | 1 CH | 2 CH | 3 CH | 4 CH | 5 CH | 6 CH | 7 CH |
| Actual Frequency | 645.525 | 646.050 | 647.025 | 647.450 | 650.150 | 650.675 | 651.725 | 652.175 |
| Receiver Displays | 8 CH | 9 CH | A CH | B CH | C CH | D CH | E CH | F CH |
| Actual Frequency | 659.675 | 660.100 | 661.275 | 661.825 | 664.400 | 664.925 | 666.050 | 666.475 |

FREQUENCY CODE : 6C Frequency Range: (668~692MHz)

| | | | | | | | | |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Receiver Displays | 0 CH | 1 CH | 2 CH | 3 CH | 4 CH | 5 CH | 6 CH | 7 CH |
| Actual Frequency | 669.525 | 670.050 | 671.025 | 671.450 | 674.150 | 674.675 | 675.725 | 676.175 |
| Receiver Displays | 8 CH | 9 CH | A CH | B CH | C CH | D CH | E CH | F CH |
| Actual Frequency | 683.675 | 684.100 | 685.275 | 685.825 | 688.400 | 688.925 | 690.050 | 690.475 |

| | | |
|------|-------------|--------------|
| Band | Freq Range | UHF Channels |
| 6A | 620-644 MHz | 39-42 |
| 6B | 644-668MHz | 43-46 |
| 6C | 668-692MHz | 47-50 |

To find out which UHF stations are being used in your area, go to the link below:

<http://www.fccinfo.com/cmdpro.php?New=New+Search>

- Go to the 6th line down, select the "TV" radio button, input the name of the city, and select 50-100km.
- More than 1 city with the same name may appear. Select the correct city/state and hit "enter".
- Go down the "Channel and Offset" column and write down the channels that are within the MIPRO wireless frequency band. Any channel listed between channels 38 and 51.
- Refer to the following chart to locate MIPRO channels that could **potentially** cause interference.
- An alternate and possibly more specific selection would be row 7. Go down to the 7th row, labeled "Zip Code"
- Select TV radio button.
- Enter the zip code for the end user and the broadcast range (ex: 50-100 kilometers) and hit Search
- Then click on the city that is most appropriate and you will see a list of the stations in your area and note any channels that fall between channels 38-51.

- Use the chart below to see any MIPRO channels that may be affected by local UHF TV channels.
- The UHF channel utilizes multiple portions of the frequency range (lower to upper) to get the different signals transmitted. Video, Audio and ATSC carrier signals.

ADDITIONAL INFORMATION SITES;

<https://prism.telcordia.com/tvws/main/home/index.shtml>

<http://whitespaces.spectrumbridge.com/Overview/Home.aspx>

UHF Stations vs MIPRO Channel Numbers

| UHF Ch# | Channel Band Center Frequency | Lower edge | Upper edge | MIPRO Channel Band | MIPRO Channel #'s or Letter's |
|---------|-------------------------------|------------|------------|--------------------|-------------------------------|
| 38 | 617MHZ | 614MHZ | 620MHZ | NONE | None |
| 39 | 623MHZ | 620MHZ | 626MHZ | 6A | CH 0-4 |
| 40 | 629MHZ | 626MHZ | 632MHZ | 6A | CH 4-7 |
| 41 | 635MHZ | 632MHZ | 638MHZ | 6A | CH 8-B |
| 42 | 641MHZ | 638MHZ | 644MHZ | 6A | CH C-F |
| 43 | 647MHZ | 644MHZ | 650MHZ | 6B | CH 0-5 |
| 44 | 653MHZ | 650MHZ | 656MHZ | 6B | CH 5-7 |
| 45 | 659MHZ | 656MHZ | 662MHZ | 6B | CH 8-B |
| 46 | 665MHZ | 662MHZ | 668MHZ | 6B | CH C-F |
| 47 | 671MHZ | 668MHZ | 674MHZ | 6C | CH 0-5 |
| 48 | 677MHZ | 674MHZ | 680MHZ | 6C | CH 4-7 |
| 49 | 683MHZ | 680MHZ | 686MHZ | 6C | CH 8-B |
| 50 | 689MHZ | 686MHZ | 692MHZ | 6C | CH C-F |
| 51 | 695MHZ | 692MHZ | 698MHZ | NONE | NONE |

Systems in Canada have additional transmission frequencies.

| | | | | | | | |
|-----------------|---------|---------|-------------|-----------|-----------|-----------|--------------|
| Digital Systems | | | | | | | |
| 24MHz | 6A | 6B | 6C | RX | ACT-81/82 | ACT717/7 | |
| | 620-644 | 644-668 | 668-692 | TX | ACT-8H/8T | ACT-7H/7T | |
| Analog Systems | | | | | | | |
| 72MHz | 5UA | 5UB | 6UA | RX ACT-7 | | | |
| | 482-554 | 554-626 | 626-698 | | | | |
| 36Mhz | 5UA1 | 5UA2 | 5UB1 | 5UB2 | 6UA1 | 6UA2 | TXL ACT-7 |
| | 482-518 | 518-554 | 554-590 | 590-626 | 626-662 | 662-698 | |
| Digital Systems | | | | | | | |
| 120MHz | 5D | RX: | ACT-82A | | | | |
| | 482-602 | TX: | ACT-8HA/8Ta | | | | |
| | | | | | | | |

NOTE; Starin Inc. and MIPRO are in no way responsible for the content on this "Quick Check" guide, and are not liable for any errors that may be on this help sheet. Please use it for reference only and check other sources available to you to confirm your conclusions.

New frequency additions for 2015
7-20-15

Frequency : 5A (506~530MHz)

| | | | | | | | |
|---------|--------|---------|---------|--------|---------|---------|---------|
| 1CH | 2 CH | 3 CH | 4 CH | 5 CH | 6 CH | 7 CH | 8 CH |
| 507.525 | 508.05 | 509.025 | 509.45 | 512.15 | 512.675 | 513.725 | 514.175 |
| 9 CH | 0 CH | A CH | B CH | C CH | D CH | E CH | F CH |
| 521.675 | 522.1 | 523.275 | 523.825 | 526.4 | 526.925 | 528.05 | 528.475 |

Frequency : 5NC (542~566MHz)

| | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 CH | 2 CH | 3 CH | 4 CH | 5 CH | 6 CH | 7 CH | 8 CH |
| 542.275 | 543 | 544.175 | 544.675 | 546.825 | 547.425 | 548.275 | 554.575 |
| 9 CH | 0 CH | A CH | B CH | C CH | D CH | E CH | F CH |
| 555.575 | 557.275 | 561.375 | 561.975 | 563.475 | 563.975 | 564.725 | 565.225 |