

**Colorado Council of Amateur Radio Clubs (CCARC)**  
**23 cm Frequency Use Plan – 1240.000 through 1300.000 MHz**

Frequency (MHz)	Usage:
<b>1240.0 – 1246.0</b>	<b>ATV</b>
<b>1246.0 – 1248.0</b>	<b>Auxiliary Operation – Full Duplex – Inputs</b>
1248.0 – 1252.0	Digital Communications
<b>1252.0 – 1258.0</b>	<b>ATV</b>
<b>1258.0 – 1260.0</b>	<b>Auxiliary Operation – Full Duplex – Outputs</b>
1260.0 – 1270.0	Satellite uplinks, Experimental simplex ATV
<b>1270.0 – 1271.0</b>	<b>Digital Data</b>
<b>1271.0 – 1276.0</b>	<b>FM Voice Repeaters – Full Duplex - Inputs</b>
<b>1276.0 – 1282.0</b>	<b>ATV</b>
<b>1282.0 – 1283.0</b>	<b>Digital Data</b>
<b>1283.0 – 1288.0</b>	<b>FM Voice Repeaters – Full Duplex - Outputs</b>
1288.0 – 1294.0	Wide band Experimental and Simplex ATV
1294.0 – 1295.0	FM Voice Simplex
1295.0 – 1297.0	Narrowband Weak Signal (no FM)
1297.0 – 1299.0	Digital Communication
<b>1299.0 – 1300.0</b>	<b>Digital Data</b>

Frequencies in **boldface** type indicate spectrum coordinated by the CCARC.  
*Italics* type indicate shared user spectrum not coordinated by CCARC

**Amateur Television (ATV) Repeater Channels**  
**3 Channels, 6 MHz Bandwidth.** **[6M0A3E]**

1240 – 1246 MHz. Video at 1241.25 MHz, Aural at 1245.75 MHz.  
 1252 – 1258 MHz. Video at 1253.25 MHz, Aural at 1257.75 MHz.  
 1276 – 1282 MHz. Video at 1277.25 MHz, Aural at 1281.75 MHz.  
 Note: Vestigial Sideband Filters must be utilized.

**Amateur Television (ATV) Simplex Channel**  
**1 Channels, 6 MHz Bandwidth.** **[6M0A3E]**

1288 – 1294 MHz. Video at 1289.25 MHz, Aural at 1295.75 MHz.  
 Note: Vestigial Sideband Filters must be utilized.

**Digital Data Full Duplex Channels**  
**4 pairs, 200 KHz Bandwidth, 12 MHz offset.** **[200K0F1D]**

Input / Output	Input / Output	Input / Output
1270.2 / 1282.2	1270.4 / 1282.4	1270.6 / 1282.6
1270.8 / 1282.8		

**Repeater Operation – Full Duplex – 398 Pairs, 12.5 KHz channel spacing, 12.0 MHz in/out** **[8K0F3E]**

Input / Output	Input / Output	Input / Output	Input / Output	Input / Output
1271.0125 / 1283.0125	1271.0250 / 1283.0250	1271.0375 / 1283.0375	1271.0500 / 1283.0500	1271.0625 / 1283.0625
1271.0750 / 1283.0750	1271.0875 / 1283.0875	1271.1000 / 1283.1000	1271.1125 / 1283.1125	1271.1250 / 1283.1250
1271.1375 / 1283.1375	1271.1500 / 1283.1500	1271.1625 / 1283.1625	1271.1750 / 1283.1750	1271.1875 / 1283.1875
1271.2000 / 1283.2000	1271.2125 / 1283.2125	1271.2250 / 1283.2250	1271.2375 / 1283.2375	1271.2500 / 1283.2500
1271.2625 / 1283.2625	1271.2750 / 1283.2750	1271.2875 / 1283.2875	1271.3000 / 1283.3000	1271.3125 / 1283.3125
1271.3250 / 1283.3250	1271.3375 / 1283.3375	1271.3500 / 1283.3500	1271.3625 / 1283.3625	1271.3750 / 1283.3750
1271.3875 / 1283.3875	1271.4000 / 1283.4000	1271.4125 / 1283.4125	1271.4250 / 1283.4250	1271.4375 / 1283.4375
1271.4500 / 1283.4500	1271.4625 / 1283.4625	1271.4750 / 1283.4750	1271.4875 / 1283.4875	1271.5000 / 1283.5000
1271.5125 / 1283.5125	1271.5250 / 1283.5250	1271.5375 / 1283.5375	1271.5500 / 1283.5500	1271.5625 / 1283.5625
1271.5750 / 1283.5750	1271.5875 / 1283.5875	1271.6000 / 1283.6000	1271.6125 / 1283.6125	1271.6250 / 1283.6250
1271.6375 / 1283.6375	1271.6500 / 1283.6500	1271.6625 / 1283.6625	1271.6750 / 1283.6750	1271.6875 / 1283.6875
1271.7000 / 1283.7000	1271.7125 / 1283.7125	1271.7250 / 1283.7250	1271.7375 / 1283.7375	1271.7500 / 1283.7500
1271.7625 / 1283.7625	1271.7750 / 1283.7750	1271.7875 / 1283.7875	1271.8000 / 1283.8000	1271.8125 / 1283.8125
1271.8250 / 1283.8250	1271.8375 / 1283.8375	1271.8500 / 1283.8500	1271.8625 / 1283.8625	1271.8750 / 1283.8750
1271.8875 / 1283.8875	1271.9000 / 1283.9000	1271.9125 / 1283.9125	1271.9250 / 1283.9250	1271.9375 / 1283.9375
1271.9500 / 1283.9500	1271.9625 / 1283.9625	1271.9750 / 1283.9750	1271.9875 / 1283.9875	1272.0000 / 1284.0000
1272.0125 / 1284.0125	1272.0250 / 1284.0250	1272.0375 / 1284.0375	1272.0500 / 1284.0500	1272.0625 / 1284.0625

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1272.0750 / 1284.0750	1272.0875 / 1284.0875	1272.1000 / 1284.1000	1272.1125 / 1284.1125	1272.1250 / 1284.1250
1272.1375 / 1284.1375	1272.1500 / 1284.1500	1272.1625 / 1284.1625	1272.1750 / 1284.1750	1272.1875 / 1284.1875
1272.2000 / 1284.2000	1272.2125 / 1284.2125	1272.2250 / 1284.2250	1272.2375 / 1284.2375	1272.2500 / 1284.2500
1272.2625 / 1284.2625	1272.2750 / 1284.2750	1272.2875 / 1284.2875	1272.3000 / 1284.3000	1272.3125 / 1284.3125
1272.3250 / 1284.3250	1272.3375 / 1284.3375	1272.3500 / 1284.3500	1272.3625 / 1284.3625	1272.3750 / 1284.3750
1272.3875 / 1284.3875	1272.4000 / 1284.4000	1272.4125 / 1284.4125	1272.4250 / 1284.4250	1272.4375 / 1284.4375
1272.4500 / 1284.4500	1272.4625 / 1284.4625	1272.4750 / 1284.4750	1272.4875 / 1284.4875	1272.5000 / 1284.5000
1272.5125 / 1284.5125	1272.5250 / 1284.5250	1272.5375 / 1284.5375	1272.5500 / 1284.5500	1272.5625 / 1284.5625
1272.5750 / 1284.5750	1272.5875 / 1284.5875	1272.6000 / 1284.6000	1272.6125 / 1284.6125	1272.6250 / 1284.6250
1272.6375 / 1284.6375	1272.6500 / 1284.6500	1272.6625 / 1284.6625	1272.6750 / 1284.6750	1272.6875 / 1284.6875
1272.7000 / 1284.7000	1272.7125 / 1284.7125	1272.7250 / 1284.7250	1272.7375 / 1284.7375	1272.7500 / 1284.7500
1272.7625 / 1284.7625	1272.7750 / 1284.7750	1272.7875 / 1284.7875	1272.8000 / 1284.8000	1272.8125 / 1284.8125
1272.8250 / 1284.8250	1272.8375 / 1284.8375	1272.8500 / 1284.8500	1272.8625 / 1284.8625	1272.8750 / 1284.8750
1272.8875 / 1284.8875	1272.9000 / 1284.9000	1272.9125 / 1284.9125	1272.9250 / 1284.9250	1272.9375 / 1284.9375
1272.9500 / 1284.9500	1272.9625 / 1284.9625	1272.9750 / 1284.9750	1272.9875 / 1284.9875	1273.0000 / 1285.0000
1273.0125 / 1285.0125	1273.0250 / 1285.0250	1273.0375 / 1285.0375	1273.0500 / 1285.0500	1273.0625 / 1285.0625
1273.0750 / 1285.0750	1273.0875 / 1285.0875	1273.1000 / 1285.1000	1273.1125 / 1285.1125	1273.1250 / 1285.1250
1273.1375 / 1285.1375	1273.1500 / 1285.1500	1273.1625 / 1285.1625	1273.1750 / 1285.1750	1273.1875 / 1285.1875
1273.2000 / 1285.2000	1273.2125 / 1285.2125	1273.2250 / 1285.2250	1273.2375 / 1285.2375	1273.2500 / 1285.2500
1273.2625 / 1285.2625	1273.2750 / 1285.2750	1273.2875 / 1285.2875	1273.3000 / 1285.3000	1273.3125 / 1285.3125
1273.3250 / 1285.3250	1273.3375 / 1285.3375	1273.3500 / 1285.3500	1273.3625 / 1285.3625	1273.3750 / 1285.3750
1273.3875 / 1285.3875	1273.4000 / 1285.4000	1273.4125 / 1285.4125	1273.4250 / 1285.4250	1273.4375 / 1285.4375
1273.4500 / 1285.4500	1273.4625 / 1285.4625	1273.4750 / 1285.4750	1273.4875 / 1285.4875	1273.5000 / 1285.5000
1273.5125 / 1285.5125	1273.5250 / 1285.5250	1273.5375 / 1285.5375	1273.5500 / 1285.5500	1273.5625 / 1285.5625
1273.5750 / 1285.5750	1273.5875 / 1285.5875	1273.6000 / 1285.6000	1273.6125 / 1285.6125	1273.6250 / 1285.6250
1273.6375 / 1285.6375	1273.6500 / 1285.6500	1273.6625 / 1285.6625	1273.6750 / 1285.6750	1273.6875 / 1285.6875
1273.7000 / 1285.7000	1273.7125 / 1285.7125	1273.7250 / 1285.7250	1273.7375 / 1285.7375	1273.7500 / 1285.7500
1273.7625 / 1285.7625	1273.7750 / 1285.7750	1273.7875 / 1285.7875	1273.8000 / 1285.8000	1273.8125 / 1285.8125
1273.8250 / 1285.8250	1273.8375 / 1285.8375	1273.8500 / 1285.8500	1273.8625 / 1285.8625	1273.8750 / 1285.8750
1273.8875 / 1285.8875	1273.9000 / 1285.9000	1273.9125 / 1285.9125	1273.9250 / 1285.9250	1273.9375 / 1285.9375
1273.9500 / 1285.9500	1273.9625 / 1285.9625	1273.9750 / 1285.9750	1273.9875 / 1285.9875	1274.0000 / 1286.0000
1274.0125 / 1286.0125	1274.0250 / 1286.0250	1274.0375 / 1286.0375	1274.0500 / 1286.0500	1274.0625 / 1286.0625
1274.0750 / 1286.0750	1274.0875 / 1286.0875	1274.1000 / 1286.1000	1274.1125 / 1286.1125	1274.1250 / 1286.1250
1274.1375 / 1286.1375	1274.1500 / 1286.1500	1274.1625 / 1286.1625	1274.1750 / 1286.1750	1274.1875 / 1286.1875
1274.2000 / 1286.2000	1274.2125 / 1286.2125	1274.2250 / 1286.2250	1274.2375 / 1286.2375	1274.2500 / 1286.2500
1274.2625 / 1286.2625	1274.2750 / 1286.2750	1274.2875 / 1286.2875	1274.3000 / 1286.3000	1274.3125 / 1286.3125
1274.3250 / 1286.3250	1274.3375 / 1286.3375	1274.3500 / 1286.3500	1274.3625 / 1286.3625	1274.3750 / 1286.3750
1274.3875 / 1286.3875	1274.4000 / 1286.4000	1274.4125 / 1286.4125	1274.4250 / 1286.4250	1274.4375 / 1286.4375
1274.4500 / 1286.4500	1274.4625 / 1286.4625	1274.4750 / 1286.4750	1274.4875 / 1286.4875	1274.5000 / 1286.5000
1274.5125 / 1286.5125	1274.5250 / 1286.5250	1274.5375 / 1286.5375	1274.5500 / 1286.5500	1274.5625 / 1286.5625
1274.5750 / 1286.5750	1274.5875 / 1286.5875	1274.6000 / 1286.6000	1274.6125 / 1286.6125	1274.6250 / 1286.6250

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1274.6375 / 1286.6375	1274.6500 / 1286.6500	1274.6625 / 1286.6625	1274.6750 / 1286.6750	1274.6875 / 1286.6875
1274.7000 / 1286.7000	1274.7125 / 1286.7125	1274.7250 / 1286.7250	1274.7375 / 1286.7375	1274.7500 / 1286.7500
1274.7625 / 1286.7625	1274.7750 / 1286.7750	1274.7875 / 1286.7875	1274.8000 / 1286.8000	1274.8125 / 1286.8125
1274.8250 / 1286.8250	1274.8375 / 1286.8375	1274.8500 / 1286.8500	1274.8625 / 1286.8625	1274.8750 / 1286.8750
1274.8875 / 1286.8875	1274.9000 / 1286.9000	1274.9125 / 1286.9125	1274.9250 / 1286.9250	1274.9375 / 1286.9375
1274.9500 / 1286.9500	1274.9625 / 1286.9625	1274.9750 / 1286.9750	1274.9875 / 1286.9875	1275.0000 / 1287.0000
1275.0125 / 1287.0125	1275.0250 / 1287.0250	1275.0375 / 1287.0375	1275.0500 / 1287.0500	1275.0625 / 1287.0625
1275.0750 / 1287.0750	1275.0875 / 1287.0875	1275.1000 / 1287.1000	1275.1125 / 1287.1125	1275.1250 / 1287.1250
1275.1375 / 1287.1375	1275.1500 / 1287.1500	1275.1625 / 1287.1625	1275.1750 / 1287.1750	1275.1875 / 1287.1875
1275.2000 / 1287.2000	1275.2125 / 1287.2125	1275.2250 / 1287.2250	1275.2375 / 1287.2375	1275.2500 / 1287.2500
1275.2625 / 1287.2625	1275.2750 / 1287.2750	1275.2875 / 1287.2875	1275.3000 / 1287.3000	1275.3125 / 1287.3125
1275.3250 / 1287.3250	1275.3375 / 1287.3375	1275.3500 / 1287.3500	1275.3625 / 1287.3625	1275.3750 / 1287.3750
1275.3875 / 1287.3875	1275.4000 / 1287.4000	1275.4125 / 1287.4125	1275.4250 / 1287.4250	1275.4375 / 1287.4375
1275.4500 / 1287.4500	1275.4625 / 1287.4625	1275.4750 / 1287.4750	1275.4875 / 1287.4875	1275.5000 / 1287.5000
1275.5125 / 1287.5125	1275.5250 / 1287.5250	1275.5375 / 1287.5375	1275.5500 / 1287.5500	1275.5625 / 1287.5625
1275.5750 / 1287.5750	1275.5875 / 1287.5875	1275.6000 / 1287.6000	1275.6125 / 1287.6125	1275.6250 / 1287.6250
1275.6375 / 1287.6375	1275.6500 / 1287.6500	1275.6625 / 1287.6625	1275.6750 / 1287.6750	1275.6875 / 1287.6875
1275.7000 / 1287.7000	1275.7125 / 1287.7125	1275.7250 / 1287.7250	1275.7375 / 1287.7375	1275.7500 / 1287.7500
1275.7625 / 1287.7625	1275.7750 / 1287.7750	1275.7875 / 1287.7875	1275.8000 / 1287.8000	1275.8125 / 1287.8125
1275.8250 / 1287.8250	1275.8375 / 1287.8375	1275.8500 / 1287.8500	1275.8625 / 1287.8625	1275.8750 / 1287.8750
1275.8875 / 1287.8875	1275.9000 / 1287.9000	1275.9125 / 1287.9125	1275.9250 / 1287.9250	1275.9375 / 1287.9375
1275.9500 / 1287.9500	1275.9625 / 1287.9625	1275.9750 / 1287.9750	1275.9875 / 1287.9875	

<b>Digital Data – Half Duplex – 5 Channels, 200 KHz Bandwidth</b>	<b>[200K0F1D]</b>
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1299.1000 1299.3000 1299.5000 1299.7000 1299.9000

<b>Auxiliary Operation – Full Duplex – 154 Pairs, 12.5 KHz channel spacing, 12.0 MHz in/out</b>	<b>[8K0F3E]</b>
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Input / Output	Input / Output	Input / Output	Input / Output	Input / Output
1258.0125 / 1270.0125	1258.0250 / 1270.0250	1258.0375 / 1270.0375	1258.0500 / 1270.0500	1258.0625 / 1270.0625
1258.0750 / 1270.0750	1258.0875 / 1270.0875	1258.1000 / 1270.1000	1258.1125 / 1270.1125	1258.1250 / 1270.1250
1258.1375 / 1270.1375	1258.1500 / 1270.1500	1258.1625 / 1270.1625	1258.1750 / 1270.1750	1258.1875 / 1270.1875
1258.2000 / 1270.2000	1258.2125 / 1270.2125	1258.2250 / 1270.2250	1258.2375 / 1270.2375	1258.2500 / 1270.2500
1258.2625 / 1270.2625	1258.2750 / 1270.2750	1258.2875 / 1270.2875	1258.3000 / 1270.3000	1258.3125 / 1270.3125
1258.3250 / 1270.3250	1258.3375 / 1270.3375	1258.3500 / 1270.3500	1258.3625 / 1270.3625	1258.3750 / 1270.3750
1258.3875 / 1270.3875	1258.4000 / 1270.4000	1258.4125 / 1270.4125	1258.4250 / 1270.4250	1258.4375 / 1270.4375
1258.4500 / 1270.4500	1258.4625 / 1270.4625	1258.4750 / 1270.4750	1258.4875 / 1270.4875	1258.5000 / 1270.5000
1258.5125 / 1270.5125	1258.5250 / 1270.5250	1258.5375 / 1270.5375	1258.5500 / 1270.5500	1258.5625 / 1270.5625

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1258.5750 / 1270.5750	1258.5875 / 1270.5875	1258.6000 / 1270.6000	1258.6125 / 1270.6125	1258.6250 / 1270.6250
1258.6375 / 1270.6375	1258.6500 / 1270.6500	1258.6625 / 1270.6625	1258.6750 / 1270.6750	1258.6875 / 1270.6875
1258.7000 / 1270.7000	1258.7125 / 1270.7125	1258.7250 / 1270.7250	1258.7375 / 1270.7375	1258.7500 / 1270.7500
1258.7625 / 1270.7625	1258.7750 / 1270.7750	1258.7875 / 1270.7875	1258.8000 / 1270.8000	1258.8125 / 1270.8125
1258.8250 / 1270.8250	1258.8375 / 1270.8375	1258.8500 / 1270.8500	1258.8625 / 1270.8625	1258.8750 / 1270.8750
1258.8875 / 1270.8875	1258.9000 / 1270.9000	1258.9125 / 1270.9125	1258.9250 / 1270.9250	1258.9375 / 1270.9375
1258.9500 / 1270.9500	1258.9625 / 1270.9625	1258.9750 / 1270.9750	1258.9875 / 1270.9875	1259.0000 / 1271.0000
1259.0125 / 1271.0125	1259.0250 / 1271.0250	1259.0375 / 1271.0375	1259.0500 / 1271.0500	1259.0625 / 1271.0625
1259.0750 / 1271.0750	1259.0875 / 1271.0875	1259.1000 / 1271.1000	1259.1125 / 1271.1125	1259.1250 / 1271.1250
1259.1375 / 1271.1375	1259.1500 / 1271.1500	1259.1625 / 1271.1625	1259.1750 / 1271.1750	1259.1875 / 1271.1875
1259.2000 / 1271.2000	1259.2125 / 1271.2125	1259.2250 / 1271.2250	1259.2375 / 1271.2375	1259.2500 / 1271.2500
1259.2625 / 1271.2625	1259.2750 / 1271.2750	1259.2875 / 1271.2875	1259.3000 / 1271.3000	1259.3125 / 1271.3125
1259.3250 / 1271.3250	1259.3375 / 1271.3375	1259.3500 / 1271.3500	1259.3625 / 1271.3625	1259.3750 / 1271.3750
1259.3875 / 1271.3875	1259.4000 / 1271.4000	1259.4125 / 1271.4125	1259.4250 / 1271.4250	1259.4375 / 1271.4375
1259.4500 / 1271.4500	1259.4625 / 1271.4625	1259.4750 / 1271.4750	1259.4875 / 1271.4875	1259.5000 / 1271.5000
1259.5125 / 1271.5125	1259.5250 / 1271.5250	1259.5375 / 1271.5375	1259.5500 / 1271.5500	1259.5625 / 1271.5625
1259.5750 / 1271.5750	1259.5875 / 1271.5875	1259.6000 / 1271.6000	1259.6125 / 1271.6125	1259.6250 / 1271.6250
1259.6375 / 1271.6375	1259.6500 / 1271.6500	1259.6625 / 1271.6625	1259.6750 / 1271.6750	1259.6875 / 1271.6875
1259.7000 / 1271.7000	1259.7125 / 1271.7125	1259.7250 / 1271.7250	1259.7375 / 1271.7375	1259.7500 / 1271.7500
1259.7625 / 1271.7625	1259.7750 / 1271.7750	1259.7875 / 1271.7875	1259.8000 / 1271.8000	1259.8125 / 1271.8125
1259.8250 / 1271.8250	1259.8375 / 1271.8375	1259.8500 / 1271.8500	1259.8625 / 1271.8625	1259.8750 / 1271.8750
1259.8875 / 1271.8875	1259.9000 / 1271.9000	1259.9125 / 1271.9125	1259.9250 / 1271.9250	1259.9375 / 1271.9375
1259.9500 / 1271.9500	1259.9625 / 1271.9625	1259.9750 / 1271.9750	1259.9875 / 1271.9875	

Revision History:

Revision A – Initial release. Approved at October 20, 2007 CCARC General Membership Meeting. – K2AD

Revision B – Modified Digital Data half-duplex allocation. Approved at April 26, 2008 CCARC General Membership Meeting. – K2AD