

## Frequency Stability

| Band  | PCC Freq | SCC Freq | Modulation | PCC_Deviation (Hz) | PCC_Deviation(ppm) | SCC_Deviation (Hz) | SCC_Deviation (ppm) | Limit (ppm) | Verdict | Environment |
|-------|----------|----------|------------|--------------------|--------------------|--------------------|---------------------|-------------|---------|-------------|
| CA_5B | 831.6    | 841.5    | QPSK       | -17.61             | -0.02117           | -17.19             | -0.02042            | ±2.5        | PASS    | 20°C/3.45V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | 78.84              | 0.09481            | 10.52              | 0.01250             | ±2.5        | PASS    | 20°C/3.45V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | 70.90              | 0.08526            | 69.89              | 0.08305             | ±2.5        | PASS    | 20°C/3.45V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | 65.91              | 0.07925            | -15.88             | -0.01887            | ±2.5        | PASS    | 20°C/3.45V  |
| CA_5B | 831.6    | 841.5    | QPSK       | -50.29             | -0.06047           | -54.86             | -0.06520            | ±2.5        | PASS    | 20°C/4.45V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | 32.39              | 0.03895            | -95.84             | -0.11389            | ±2.5        | PASS    | 20°C/4.45V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | -77.02             | -0.09262           | -72.38             | -0.08601            | ±2.5        | PASS    | 20°C/4.45V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | 81.11              | 0.09754            | 89.53              | 0.10639             | ±2.5        | PASS    | 20°C/4.45V  |
| CA_5B | 831.6    | 841.5    | QPSK       | -43.16             | -0.05190           | -0.10              | -0.00012            | ±2.5        | PASS    | 50°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | -33.77             | -0.04061           | -10.72             | -0.01274            | ±2.5        | PASS    | 50°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | -42.78             | -0.05145           | -20.30             | -0.02412            | ±2.5        | PASS    | 50°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | 98.63              | 0.11860            | -37.65             | -0.04474            | ±2.5        | PASS    | 50°C/3.87V  |
| CA_5B | 831.6    | 841.5    | QPSK       | 64.14              | 0.07713            | -17.48             | -0.02077            | ±2.5        | PASS    | 40°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | 8.60               | 0.01035            | 67.80              | 0.08057             | ±2.5        | PASS    | 40°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | 62.33              | 0.07495            | 11.43              | 0.01358             | ±2.5        | PASS    | 40°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | -36.45             | -0.04383           | 24.87              | 0.02956             | ±2.5        | PASS    | 40°C/3.87V  |
| CA_5B | 831.6    | 841.5    | QPSK       | -35.37             | -0.04253           | 34.96              | 0.04154             | ±2.5        | PASS    | 30°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | 44.55              | 0.05357            | 60.87              | 0.07234             | ±2.5        | PASS    | 30°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | -91.16             | -0.10962           | -38.26             | -0.04547            | ±2.5        | PASS    | 30°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | 51.27              | 0.06166            | 46.29              | 0.05500             | ±2.5        | PASS    | 30°C/3.87V  |
| CA_5B | 831.6    | 841.5    | QPSK       | 6.33               | 0.00761            | -35.40             | -0.04206            | ±2.5        | PASS    | 20°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | -97.64             | -0.11741           | 71.89              | 0.08543             | ±2.5        | PASS    | 20°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | 7.04               | 0.00846            | -71.87             | -0.08541            | ±2.5        | PASS    | 20°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | 49.33              | 0.05932            | -58.14             | -0.06910            | ±2.5        | PASS    | 20°C/3.87V  |
| CA_5B | 831.6    | 841.5    | QPSK       | 66.75              | 0.08027            | 74.05              | 0.08800             | ±2.5        | PASS    | 10°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 16QAM      | 92.56              | 0.11131            | -16.32             | -0.01939            | ±2.5        | PASS    | 10°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 64QAM      | -93.91             | -0.11292           | 47.10              | 0.05597             | ±2.5        | PASS    | 10°C/3.87V  |
| CA_5B | 831.6    | 841.5    | 256QAM     | 53.06              | 0.06381            | -64.51             | -0.07666            | ±2.5        | PASS    | 10°C/3.87V  |
| CA_5B | 831.6    | 841.5    | QPSK       | 54.48              | 0.06551            | -90.52             | -0.10757            | ±2.5        | PASS    | 0°C/3.87V   |
| CA_5B | 831.6    | 841.5    | 16QAM      | -80.20             | -0.09644           | -4.98              | -0.00592            | ±2.5        | PASS    | 0°C/3.87V   |
| CA_5B | 831.6    | 841.5    | 64QAM      | 39.77              | 0.04782            | -21.54             | -0.02560            | ±2.5        | PASS    | 0°C/3.87V   |
| CA_5B | 831.6    | 841.5    | 256QAM     | 68.61              | 0.08250            | 33.78              | 0.04015             | ±2.5        | PASS    | 0°C/3.87V   |
| CA_5B | 831.6    | 841.5    | QPSK       | -81.88             | -0.09847           | -58.90             | -0.07000            | ±2.5        | PASS    | -10°C/3.87V |
| CA_5B | 831.6    | 841.5    | 16QAM      | 69.59              | 0.08368            | 62.81              | 0.07464             | ±2.5        | PASS    | -10°C/3.87V |
| CA_5B | 831.6    | 841.5    | 64QAM      | 66.38              | 0.07982            | 85.42              | 0.10151             | ±2.5        | PASS    | -10°C/3.87V |
| CA_5B | 831.6    | 841.5    | 256QAM     | -52.66             | -0.06332           | -64.55             | -0.07671            | ±2.5        | PASS    | -10°C/3.87V |

|       |       |       |        |        |          |        |          |      |      |             |
|-------|-------|-------|--------|--------|----------|--------|----------|------|------|-------------|
| CA_5B | 831.6 | 841.5 | QPSK   | 85.72  | 0.10308  | 86.47  | 0.10276  | ±2.5 | PASS | -20°C/3.87V |
| CA_5B | 831.6 | 841.5 | 16QAM  | -78.45 | -0.09433 | -67.70 | -0.08045 | ±2.5 | PASS | -20°C/3.87V |
| CA_5B | 831.6 | 841.5 | 64QAM  | -74.27 | -0.08931 | -80.98 | -0.09623 | ±2.5 | PASS | -20°C/3.87V |
| CA_5B | 831.6 | 841.5 | 256QAM | -51.55 | -0.06199 | -97.16 | -0.11546 | ±2.5 | PASS | -20°C/3.87V |
| CA_5B | 831.6 | 841.5 | QPSK   | -49.55 | -0.05958 | 55.32  | 0.06574  | ±2.5 | PASS | -30°C/3.87V |
| CA_5B | 831.6 | 841.5 | 16QAM  | -68.32 | -0.08216 | -6.64  | -0.00789 | ±2.5 | PASS | -30°C/3.87V |
| CA_5B | 831.6 | 841.5 | 64QAM  | -43.72 | -0.05257 | -66.48 | -0.07900 | ±2.5 | PASS | -30°C/3.87V |
| CA_5B | 831.6 | 841.5 | 256QAM | 86.08  | 0.10351  | 23.65  | 0.02810  | ±2.5 | PASS | -30°C/3.87V |

| Band  | Freq (MHz) | Modulation | Lower Edge (MHz) (Result) | Limit (MHz) | Upper Edge (MHz) (Result) | Limit (MHz) | Verdict | Environment |
|-------|------------|------------|---------------------------|-------------|---------------------------|-------------|---------|-------------|
| CA_7C | 2500/2570  | QPSK       | 2500.127                  | 2500        | 2569.927                  | 2570        | PASS    | 20°C/3.45V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.017                  | 2500        | 2569.850                  | 2570        | PASS    | 20°C/3.45V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.005                  | 2500        | 2569.817                  | 2570        | PASS    | 20°C/3.45V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.094                  | 2500        | 2569.909                  | 2570        | PASS    | 20°C/3.45V  |
| CA_7C | 2500/2570  | QPSK       | 2500.063                  | 2500        | 2569.809                  | 2570        | PASS    | 20°C/4.45V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.055                  | 2500        | 2569.857                  | 2570        | PASS    | 20°C/4.45V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.188                  | 2500        | 2569.956                  | 2570        | PASS    | 20°C/4.45V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.178                  | 2500        | 2569.902                  | 2570        | PASS    | 20°C/4.45V  |
| CA_7C | 2500/2570  | QPSK       | 2500.172                  | 2500        | 2569.871                  | 2570        | PASS    | 50°C/3.87V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.158                  | 2500        | 2569.874                  | 2570        | PASS    | 50°C/3.87V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.132                  | 2500        | 2569.969                  | 2570        | PASS    | 50°C/3.87V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.198                  | 2500        | 2569.888                  | 2570        | PASS    | 50°C/3.87V  |
| CA_7C | 2500/2570  | QPSK       | 2500.072                  | 2500        | 2569.828                  | 2570        | PASS    | 40°C/3.87V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.133                  | 2500        | 2569.893                  | 2570        | PASS    | 40°C/3.87V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.071                  | 2500        | 2569.965                  | 2570        | PASS    | 40°C/3.87V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.134                  | 2500        | 2569.813                  | 2570        | PASS    | 40°C/3.87V  |
| CA_7C | 2500/2570  | QPSK       | 2500.054                  | 2500        | 2569.970                  | 2570        | PASS    | 30°C/3.87V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.141                  | 2500        | 2569.992                  | 2570        | PASS    | 30°C/3.87V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.015                  | 2500        | 2569.939                  | 2570        | PASS    | 30°C/3.87V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.076                  | 2500        | 2569.960                  | 2570        | PASS    | 30°C/3.87V  |
| CA_7C | 2500/2570  | QPSK       | 2500.042                  | 2500        | 2569.838                  | 2570        | PASS    | 20°C/3.87V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.159                  | 2500        | 2569.916                  | 2570        | PASS    | 20°C/3.87V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.104                  | 2500        | 2569.800                  | 2570        | PASS    | 20°C/3.87V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.161                  | 2500        | 2569.906                  | 2570        | PASS    | 20°C/3.87V  |
| CA_7C | 2500/2570  | QPSK       | 2500.062                  | 2500        | 2569.875                  | 2570        | PASS    | 10°C/3.87V  |
| CA_7C | 2500/2570  | 16QAM      | 2500.038                  | 2500        | 2569.972                  | 2570        | PASS    | 10°C/3.87V  |
| CA_7C | 2500/2570  | 64QAM      | 2500.111                  | 2500        | 2569.865                  | 2570        | PASS    | 10°C/3.87V  |
| CA_7C | 2500/2570  | 256QAM     | 2500.074                  | 2500        | 2569.852                  | 2570        | PASS    | 10°C/3.87V  |
| CA_7C | 2500/2570  | QPSK       | 2500.120                  | 2500        | 2569.849                  | 2570        | PASS    | 0°C/3.87V   |
| CA_7C | 2500/2570  | 16QAM      | 2500.062                  | 2500        | 2569.942                  | 2570        | PASS    | 0°C/3.87V   |
| CA_7C | 2500/2570  | 64QAM      | 2500.126                  | 2500        | 2569.953                  | 2570        | PASS    | 0°C/3.87V   |
| CA_7C | 2500/2570  | 256QAM     | 2500.068                  | 2500        | 2569.820                  | 2570        | PASS    | 0°C/3.87V   |
| CA_7C | 2500/2570  | QPSK       | 2500.114                  | 2500        | 2569.892                  | 2570        | PASS    | -10°C/3.87V |
| CA_7C | 2500/2570  | 16QAM      | 2500.125                  | 2500        | 2569.873                  | 2570        | PASS    | -10°C/3.87V |
| CA_7C | 2500/2570  | 64QAM      | 2500.138                  | 2500        | 2569.965                  | 2570        | PASS    | -10°C/3.87V |
| CA_7C | 2500/2570  | 256QAM     | 2500.183                  | 2500        | 2569.943                  | 2570        | PASS    | -10°C/3.87V |
| CA_7C | 2500/2570  | QPSK       | 2500.096                  | 2500        | 2569.930                  | 2570        | PASS    | -20°C/3.87V |

|       |           |        |          |      |          |      |      |             |
|-------|-----------|--------|----------|------|----------|------|------|-------------|
| CA_7C | 2500/2570 | 16QAM  | 2500.118 | 2500 | 2569.959 | 2570 | PASS | -20°C/3.87V |
| CA_7C | 2500/2570 | 64QAM  | 2500.074 | 2500 | 2569.856 | 2570 | PASS | -20°C/3.87V |
| CA_7C | 2500/2570 | 256QAM | 2500.060 | 2500 | 2569.945 | 2570 | PASS | -20°C/3.87V |
| CA_7C | 2500/2570 | QPSK   | 2500.115 | 2500 | 2569.900 | 2570 | PASS | -30°C/3.87V |
| CA_7C | 2500/2570 | 16QAM  | 2500.008 | 2500 | 2569.821 | 2570 | PASS | -30°C/3.87V |
| CA_7C | 2500/2570 | 64QAM  | 2500.120 | 2500 | 2569.836 | 2570 | PASS | -30°C/3.87V |
| CA_7C | 2500/2570 | 256QAM | 2500.165 | 2500 | 2569.941 | 2570 | PASS | -30°C/3.87V |

| Band   | Freq (MHz) | Modulation | Lower Edge (MHz) (Result) | Limit (MHz) | Upper Edge (MHz) (Result) | Limit (MHz) | Verdict | Environment |
|--------|------------|------------|---------------------------|-------------|---------------------------|-------------|---------|-------------|
| CA_38C | 2570/2620  | QPSK       | 2570.016                  | 2570        | 2619.917                  | 2620        | PASS    | 20°C/3.45V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.073                  | 2570        | 2619.951                  | 2620        | PASS    | 20°C/3.45V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.145                  | 2570        | 2619.993                  | 2620        | PASS    | 20°C/3.45V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.166                  | 2570        | 2619.854                  | 2620        | PASS    | 20°C/3.45V  |
| CA_38C | 2570/2620  | QPSK       | 2570.059                  | 2570        | 2619.809                  | 2620        | PASS    | 20°C/4.45V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.081                  | 2570        | 2619.935                  | 2620        | PASS    | 20°C/4.45V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.070                  | 2570        | 2619.818                  | 2620        | PASS    | 20°C/4.45V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.022                  | 2570        | 2619.983                  | 2620        | PASS    | 20°C/4.45V  |
| CA_38C | 2570/2620  | QPSK       | 2570.002                  | 2570        | 2619.916                  | 2620        | PASS    | 50°C/3.87V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.031                  | 2570        | 2619.803                  | 2620        | PASS    | 50°C/3.87V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.124                  | 2570        | 2619.867                  | 2620        | PASS    | 50°C/3.87V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.178                  | 2570        | 2619.801                  | 2620        | PASS    | 50°C/3.87V  |
| CA_38C | 2570/2620  | QPSK       | 2570.028                  | 2570        | 2619.979                  | 2620        | PASS    | 40°C/3.87V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.128                  | 2570        | 2619.917                  | 2620        | PASS    | 40°C/3.87V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.076                  | 2570        | 2619.843                  | 2620        | PASS    | 40°C/3.87V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.117                  | 2570        | 2619.990                  | 2620        | PASS    | 40°C/3.87V  |
| CA_38C | 2570/2620  | QPSK       | 2570.054                  | 2570        | 2619.816                  | 2620        | PASS    | 30°C/3.87V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.126                  | 2570        | 2619.911                  | 2620        | PASS    | 30°C/3.87V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.011                  | 2570        | 2619.958                  | 2620        | PASS    | 30°C/3.87V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.016                  | 2570        | 2619.910                  | 2620        | PASS    | 30°C/3.87V  |
| CA_38C | 2570/2620  | QPSK       | 2570.129                  | 2570        | 2619.994                  | 2620        | PASS    | 20°C/3.87V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.105                  | 2570        | 2619.888                  | 2620        | PASS    | 20°C/3.87V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.177                  | 2570        | 2619.823                  | 2620        | PASS    | 20°C/3.87V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.025                  | 2570        | 2619.843                  | 2620        | PASS    | 20°C/3.87V  |
| CA_38C | 2570/2620  | QPSK       | 2570.100                  | 2570        | 2619.962                  | 2620        | PASS    | 10°C/3.87V  |
| CA_38C | 2570/2620  | 16QAM      | 2570.081                  | 2570        | 2619.977                  | 2620        | PASS    | 10°C/3.87V  |
| CA_38C | 2570/2620  | 64QAM      | 2570.016                  | 2570        | 2619.914                  | 2620        | PASS    | 10°C/3.87V  |
| CA_38C | 2570/2620  | 256QAM     | 2570.188                  | 2570        | 2619.982                  | 2620        | PASS    | 10°C/3.87V  |
| CA_38C | 2570/2620  | QPSK       | 2570.144                  | 2570        | 2619.890                  | 2620        | PASS    | 0°C/3.87V   |
| CA_38C | 2570/2620  | 16QAM      | 2570.039                  | 2570        | 2619.902                  | 2620        | PASS    | 0°C/3.87V   |
| CA_38C | 2570/2620  | 64QAM      | 2570.035                  | 2570        | 2619.805                  | 2620        | PASS    | 0°C/3.87V   |
| CA_38C | 2570/2620  | 256QAM     | 2570.043                  | 2570        | 2619.920                  | 2620        | PASS    | 0°C/3.87V   |
| CA_38C | 2570/2620  | QPSK       | 2570.011                  | 2570        | 2619.858                  | 2620        | PASS    | -10°C/3.87V |
| CA_38C | 2570/2620  | 16QAM      | 2570.063                  | 2570        | 2619.971                  | 2620        | PASS    | -10°C/3.87V |
| CA_38C | 2570/2620  | 64QAM      | 2570.025                  | 2570        | 2619.882                  | 2620        | PASS    | -10°C/3.87V |
| CA_38C | 2570/2620  | 256QAM     | 2570.081                  | 2570        | 2619.867                  | 2620        | PASS    | -10°C/3.87V |
| CA_38C | 2570/2620  | QPSK       | 2570.130                  | 2570        | 2619.917                  | 2620        | PASS    | -20°C/3.87V |

|        |           |        |          |      |          |      |      |             |
|--------|-----------|--------|----------|------|----------|------|------|-------------|
| CA_38C | 2570/2620 | 16QAM  | 2570.047 | 2570 | 2619.909 | 2620 | PASS | -20°C/3.87V |
| CA_38C | 2570/2620 | 64QAM  | 2570.015 | 2570 | 2619.965 | 2620 | PASS | -20°C/3.87V |
| CA_38C | 2570/2620 | 256QAM | 2570.126 | 2570 | 2619.814 | 2620 | PASS | -20°C/3.87V |
| CA_38C | 2570/2620 | QPSK   | 2570.052 | 2570 | 2619.897 | 2620 | PASS | -30°C/3.87V |
| CA_38C | 2570/2620 | 16QAM  | 2570.067 | 2570 | 2619.809 | 2620 | PASS | -30°C/3.87V |
| CA_38C | 2570/2620 | 64QAM  | 2570.145 | 2570 | 2619.985 | 2620 | PASS | -30°C/3.87V |
| CA_38C | 2570/2620 | 256QAM | 2570.117 | 2570 | 2619.909 | 2620 | PASS | -30°C/3.87V |

| Band   | Freq (MHz) | Modulation | Lower Edge (MHz) (Result) | Limit (MHz) | Upper Edge (MHz) (Result) | Limit (MHz) | Verdict | Environment |
|--------|------------|------------|---------------------------|-------------|---------------------------|-------------|---------|-------------|
| CA_41C | 2496/2690  | QPSK       | 2496.120                  | 2496        | 2689.920                  | 2690        | PASS    | 20°C/3.45V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.019                  | 2496        | 2689.874                  | 2690        | PASS    | 20°C/3.45V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.147                  | 2496        | 2689.961                  | 2690        | PASS    | 20°C/3.45V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.008                  | 2496        | 2689.834                  | 2690        | PASS    | 20°C/3.45V  |
| CA_41C | 2496/2690  | QPSK       | 2496.107                  | 2496        | 2689.854                  | 2690        | PASS    | 20°C/4.45V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.169                  | 2496        | 2689.930                  | 2690        | PASS    | 20°C/4.45V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.192                  | 2496        | 2689.815                  | 2690        | PASS    | 20°C/4.45V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.091                  | 2496        | 2689.975                  | 2690        | PASS    | 20°C/4.45V  |
| CA_41C | 2496/2690  | QPSK       | 2496.147                  | 2496        | 2689.841                  | 2690        | PASS    | 50°C/3.87V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.150                  | 2496        | 2689.818                  | 2690        | PASS    | 50°C/3.87V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.160                  | 2496        | 2689.861                  | 2690        | PASS    | 50°C/3.87V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.107                  | 2496        | 2689.877                  | 2690        | PASS    | 50°C/3.87V  |
| CA_41C | 2496/2690  | QPSK       | 2496.141                  | 2496        | 2689.988                  | 2690        | PASS    | 40°C/3.87V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.189                  | 2496        | 2689.943                  | 2690        | PASS    | 40°C/3.87V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.042                  | 2496        | 2689.923                  | 2690        | PASS    | 40°C/3.87V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.038                  | 2496        | 2689.828                  | 2690        | PASS    | 40°C/3.87V  |
| CA_41C | 2496/2690  | QPSK       | 2496.172                  | 2496        | 2689.916                  | 2690        | PASS    | 30°C/3.87V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.165                  | 2496        | 2689.832                  | 2690        | PASS    | 30°C/3.87V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.125                  | 2496        | 2689.882                  | 2690        | PASS    | 30°C/3.87V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.084                  | 2496        | 2689.845                  | 2690        | PASS    | 30°C/3.87V  |
| CA_41C | 2496/2690  | QPSK       | 2496.078                  | 2496        | 2689.892                  | 2690        | PASS    | 20°C/3.87V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.069                  | 2496        | 2689.818                  | 2690        | PASS    | 20°C/3.87V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.116                  | 2496        | 2689.940                  | 2690        | PASS    | 20°C/3.87V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.195                  | 2496        | 2689.884                  | 2690        | PASS    | 20°C/3.87V  |
| CA_41C | 2496/2690  | QPSK       | 2496.197                  | 2496        | 2689.858                  | 2690        | PASS    | 10°C/3.87V  |
| CA_41C | 2496/2690  | 16QAM      | 2496.032                  | 2496        | 2689.982                  | 2690        | PASS    | 10°C/3.87V  |
| CA_41C | 2496/2690  | 64QAM      | 2496.200                  | 2496        | 2689.955                  | 2690        | PASS    | 10°C/3.87V  |
| CA_41C | 2496/2690  | 256QAM     | 2496.075                  | 2496        | 2689.971                  | 2690        | PASS    | 10°C/3.87V  |
| CA_41C | 2496/2690  | QPSK       | 2496.069                  | 2496        | 2689.909                  | 2690        | PASS    | 0°C/3.87V   |
| CA_41C | 2496/2690  | 16QAM      | 2496.186                  | 2496        | 2689.811                  | 2690        | PASS    | 0°C/3.87V   |
| CA_41C | 2496/2690  | 64QAM      | 2496.164                  | 2496        | 2689.920                  | 2690        | PASS    | 0°C/3.87V   |
| CA_41C | 2496/2690  | 256QAM     | 2496.054                  | 2496        | 2689.862                  | 2690        | PASS    | 0°C/3.87V   |
| CA_41C | 2496/2690  | QPSK       | 2496.109                  | 2496        | 2689.832                  | 2690        | PASS    | -10°C/3.87V |
| CA_41C | 2496/2690  | 16QAM      | 2496.029                  | 2496        | 2689.922                  | 2690        | PASS    | -10°C/3.87V |
| CA_41C | 2496/2690  | 64QAM      | 2496.033                  | 2496        | 2689.873                  | 2690        | PASS    | -10°C/3.87V |
| CA_41C | 2496/2690  | 256QAM     | 2496.153                  | 2496        | 2689.818                  | 2690        | PASS    | -10°C/3.87V |
| CA_41C | 2496/2690  | QPSK       | 2496.010                  | 2496        | 2689.865                  | 2690        | PASS    | -20°C/3.87V |

|        |           |        |          |      |          |      |      |             |
|--------|-----------|--------|----------|------|----------|------|------|-------------|
| CA_41C | 2496/2690 | 16QAM  | 2496.003 | 2496 | 2689.826 | 2690 | PASS | -20°C/3.87V |
| CA_41C | 2496/2690 | 64QAM  | 2496.140 | 2496 | 2689.843 | 2690 | PASS | -20°C/3.87V |
| CA_41C | 2496/2690 | 256QAM | 2496.136 | 2496 | 2689.898 | 2690 | PASS | -20°C/3.87V |
| CA_41C | 2496/2690 | QPSK   | 2496.144 | 2496 | 2689.921 | 2690 | PASS | -30°C/3.87V |
| CA_41C | 2496/2690 | 16QAM  | 2496.199 | 2496 | 2689.928 | 2690 | PASS | -30°C/3.87V |
| CA_41C | 2496/2690 | 64QAM  | 2496.086 | 2496 | 2689.915 | 2690 | PASS | -30°C/3.87V |
| CA_41C | 2496/2690 | 256QAM | 2496.108 | 2496 | 2689.868 | 2690 | PASS | -30°C/3.87V |



| Band   | Freq (MHz) | Modulation | Lower Edge (MHz) (Result) | Limit (MHz) | Upper Edge (MHz) (Result) | Limit (MHz) | Verdict | Environment |
|--------|------------|------------|---------------------------|-------------|---------------------------|-------------|---------|-------------|
| CA_66C | 1710/1780  | QPSK       | 1710.008                  | 1710        | 1779.840                  | 1780        | PASS    | 20°C/3.45V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.185                  | 1710        | 1779.914                  | 1780        | PASS    | 20°C/3.45V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.074                  | 1710        | 1779.866                  | 1780        | PASS    | 20°C/3.45V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.007                  | 1710        | 1779.856                  | 1780        | PASS    | 20°C/3.45V  |
| CA_66C | 1710/1780  | QPSK       | 1710.079                  | 1710        | 1779.900                  | 1780        | PASS    | 20°C/4.45V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.198                  | 1710        | 1779.966                  | 1780        | PASS    | 20°C/4.45V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.052                  | 1710        | 1779.959                  | 1780        | PASS    | 20°C/4.45V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.160                  | 1710        | 1779.891                  | 1780        | PASS    | 20°C/4.45V  |
| CA_66C | 1710/1780  | QPSK       | 1710.107                  | 1710        | 1779.862                  | 1780        | PASS    | 50°C/3.87V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.082                  | 1710        | 1779.982                  | 1780        | PASS    | 50°C/3.87V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.176                  | 1710        | 1779.965                  | 1780        | PASS    | 50°C/3.87V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.172                  | 1710        | 1779.802                  | 1780        | PASS    | 50°C/3.87V  |
| CA_66C | 1710/1780  | QPSK       | 1710.112                  | 1710        | 1779.841                  | 1780        | PASS    | 40°C/3.87V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.096                  | 1710        | 1779.879                  | 1780        | PASS    | 40°C/3.87V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.122                  | 1710        | 1779.813                  | 1780        | PASS    | 40°C/3.87V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.031                  | 1710        | 1779.854                  | 1780        | PASS    | 40°C/3.87V  |
| CA_66C | 1710/1780  | QPSK       | 1710.116                  | 1710        | 1779.884                  | 1780        | PASS    | 30°C/3.87V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.117                  | 1710        | 1779.892                  | 1780        | PASS    | 30°C/3.87V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.093                  | 1710        | 1779.843                  | 1780        | PASS    | 30°C/3.87V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.147                  | 1710        | 1779.850                  | 1780        | PASS    | 30°C/3.87V  |
| CA_66C | 1710/1780  | QPSK       | 1710.017                  | 1710        | 1779.862                  | 1780        | PASS    | 20°C/3.87V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.114                  | 1710        | 1779.895                  | 1780        | PASS    | 20°C/3.87V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.102                  | 1710        | 1779.956                  | 1780        | PASS    | 20°C/3.87V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.006                  | 1710        | 1779.915                  | 1780        | PASS    | 20°C/3.87V  |
| CA_66C | 1710/1780  | QPSK       | 1710.071                  | 1710        | 1779.910                  | 1780        | PASS    | 10°C/3.87V  |
| CA_66C | 1710/1780  | 16QAM      | 1710.132                  | 1710        | 1779.822                  | 1780        | PASS    | 10°C/3.87V  |
| CA_66C | 1710/1780  | 64QAM      | 1710.112                  | 1710        | 1779.988                  | 1780        | PASS    | 10°C/3.87V  |
| CA_66C | 1710/1780  | 256QAM     | 1710.169                  | 1710        | 1779.835                  | 1780        | PASS    | 10°C/3.87V  |
| CA_66C | 1710/1780  | QPSK       | 1710.142                  | 1710        | 1779.880                  | 1780        | PASS    | 0°C/3.87V   |
| CA_66C | 1710/1780  | 16QAM      | 1710.178                  | 1710        | 1779.831                  | 1780        | PASS    | 0°C/3.87V   |
| CA_66C | 1710/1780  | 64QAM      | 1710.013                  | 1710        | 1779.860                  | 1780        | PASS    | 0°C/3.87V   |
| CA_66C | 1710/1780  | 256QAM     | 1710.001                  | 1710        | 1779.808                  | 1780        | PASS    | 0°C/3.87V   |
| CA_66C | 1710/1780  | QPSK       | 1710.019                  | 1710        | 1779.819                  | 1780        | PASS    | -10°C/3.87V |
| CA_66C | 1710/1780  | 16QAM      | 1710.137                  | 1710        | 1779.878                  | 1780        | PASS    | -10°C/3.87V |
| CA_66C | 1710/1780  | 64QAM      | 1710.050                  | 1710        | 1779.925                  | 1780        | PASS    | -10°C/3.87V |
| CA_66C | 1710/1780  | 256QAM     | 1710.116                  | 1710        | 1779.832                  | 1780        | PASS    | -10°C/3.87V |
| CA_66C | 1710/1780  | QPSK       | 1710.163                  | 1710        | 1779.980                  | 1780        | PASS    | -20°C/3.87V |

|        |           |        |          |      |          |      |      |             |
|--------|-----------|--------|----------|------|----------|------|------|-------------|
| CA_66C | 1710/1780 | 16QAM  | 1710.116 | 1710 | 1779.934 | 1780 | PASS | -20°C/3.87V |
| CA_66C | 1710/1780 | 64QAM  | 1710.016 | 1710 | 1779.989 | 1780 | PASS | -20°C/3.87V |
| CA_66C | 1710/1780 | 256QAM | 1710.106 | 1710 | 1779.906 | 1780 | PASS | -20°C/3.87V |
| CA_66C | 1710/1780 | QPSK   | 1710.133 | 1710 | 1779.893 | 1780 | PASS | -30°C/3.87V |
| CA_66C | 1710/1780 | 16QAM  | 1710.006 | 1710 | 1779.951 | 1780 | PASS | -30°C/3.87V |
| CA_66C | 1710/1780 | 64QAM  | 1710.023 | 1710 | 1779.898 | 1780 | PASS | -30°C/3.87V |
| CA_66C | 1710/1780 | 256QAM | 1710.069 | 1710 | 1779.827 | 1780 | PASS | -30°C/3.87V |