

## TABLE OF CONTENTS

|                                                          |          |
|----------------------------------------------------------|----------|
| <i>01 Conducted output power for inter-band CA .....</i> | <i>2</i> |
| <i>06 Out-of-band emissions for inter-band CA.....</i>   | <i>4</i> |

## 01 Conducted output power for inter-band CA

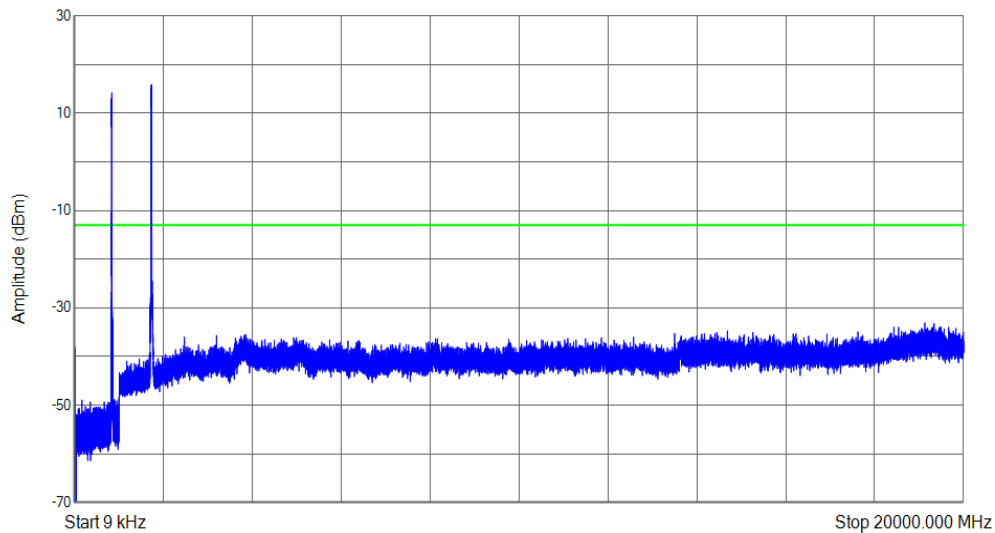
| Band      | PCC<br>BW<br>(MHz<br>) | PCC<br>Ch | PCC<br>RB | SCC<br>BW<br>(MHz<br>) | SCC<br>Ch | SCC<br>RB | Modulation | Power<br>(dBm) | Gain(dB<br>) | EIRP<br>(dBm<br>) | EIRP<br>(mW) | ERP<br>Limit<br>(mW<br>) | Verdict |
|-----------|------------------------|-----------|-----------|------------------------|-----------|-----------|------------|----------------|--------------|-------------------|--------------|--------------------------|---------|
| 4A-5<br>A | 5                      | 197<br>5  | 1@0       | 5                      | 242<br>5  | 1@2<br>4  | QPSK       | 21.29          | 0            | 21.29             | 134.6<br>6   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 197<br>5  | 1@24      | 5                      | 242<br>5  | 1@0       | QPSK       | 21.38          | 0            | 21.38             | 137.4<br>6   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 197<br>5  | 25@0      | 5                      | 242<br>5  | 25@<br>0  | QPSK       | 21.42          | 0            | 21.42             | 138.7<br>2   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 197<br>5  | 1@0       | 5                      | 242<br>5  | 1@2<br>4  | 16QAM      | 21.67          | 0            | 21.67             | 146.8<br>8   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 197<br>5  | 1@24      | 5                      | 242<br>5  | 1@0       | 16QAM      | 21.76          | 0            | 21.76             | 149.9<br>4   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 197<br>5  | 25@0      | 5                      | 242<br>5  | 25@<br>0  | 16QAM      | 21.37          | 0            | 21.37             | 137.1<br>4   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 237<br>5  | 1@0       | 5                      | 262<br>5  | 1@2<br>4  | QPSK       | 25.70          | 0            | 25.70             | 371.3<br>5   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 237<br>5  | 1@24      | 5                      | 262<br>5  | 1@0       | QPSK       | 25.74          | 0            | 25.74             | 374.8<br>4   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 237<br>5  | 25@0      | 5                      | 262<br>5  | 25@<br>0  | QPSK       | 25.68          | 0            | 25.68             | 370.11       | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 237<br>5  | 1@0       | 5                      | 262<br>5  | 1@2<br>4  | 16QAM      | 25.54          | 0            | 25.54             | 358.2<br>1   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 237<br>5  | 1@24      | 5                      | 262<br>5  | 1@0       | 16QAM      | 25.53          | 0            | 25.53             | 357.0<br>2   | 2000                     | PASS    |
| 4A-5<br>A | 5                      | 237<br>5  | 25@0      | 5                      | 262<br>5  | 25@<br>0  | 16QAM      | 25.71          | 0            | 25.71             | 372.5<br>8   | 2000                     | PASS    |
| 4A-5<br>A | 20                     | 205<br>0  | 1@0       | 10                     | 245<br>0  | 1@4<br>9  | QPSK       | 25.90          | 0            | 25.90             | 389.1<br>7   | 2000                     | PASS    |
| 4A-5<br>A | 20                     | 205<br>0  | 1@99      | 10                     | 245<br>0  | 1@0       | QPSK       | 25.84          | 0            | 25.84             | 383.5<br>7   | 2000                     | PASS    |
| 4A-5<br>A | 20                     | 205<br>0  | 100@<br>0 | 10                     | 245<br>0  | 50@<br>0  | QPSK       | 25.78          | 0            | 25.78             | 378.0<br>6   | 2000                     | PASS    |
| 4A-5<br>A | 20                     | 205<br>0  | 1@0       | 10                     | 245<br>0  | 1@4<br>9  | 16QAM      | 25.69          | 0            | 25.69             | 370.4<br>5   | 2000                     | PASS    |
| 4A-5<br>A | 20                     | 205<br>0  | 1@99      | 10                     | 245<br>0  | 1@0       | 16QAM      | 25.64          | 0            | 25.64             | 366.5<br>2   | 2000                     | PASS    |
| 4A-5<br>A | 20                     | 205<br>0  | 100@<br>0 | 10                     | 245<br>0  | 50@<br>0  | 16QAM      | 25.80          | 0            | 25.80             | 380.11       | 2000                     | PASS    |
| 4A-5      | 20                     | 230       | 1@0       | 10                     | 260       | 1@4       | QPSK       | 25.71          | 0            | 25.71             | 372.2        | 2000                     | PASS    |

|      |    |     |      |    |     |     |       |       |   |       |       |      |      |
|------|----|-----|------|----|-----|-----|-------|-------|---|-------|-------|------|------|
| A    |    | 0   |      |    | 0   | 9   |       |       |   |       | 6     |      |      |
| 4A-5 | 20 | 230 | 1@99 | 10 | 260 | 1@0 | QPSK  | 25.75 | 0 | 25.75 | 375.9 | 2000 | PASS |
| A    |    | 0   |      |    | 0   |     |       |       |   |       | 4     |      |      |
| 4A-5 | 20 | 230 | 100@ | 10 | 260 | 50@ | QPSK  | 25.72 | 0 | 25.72 | 373.3 | 2000 | PASS |
| A    |    | 0   | 0    |    | 0   | 0   |       |       |   |       | 7     |      |      |
| 4A-5 | 20 | 230 | 1@0  | 10 | 260 | 1@4 | 16QAM | 25.51 | 0 | 25.51 | 356.0 | 2000 | PASS |
| A    |    | 0   |      |    | 0   | 9   |       |       |   |       | 1     |      |      |
| 4A-5 | 20 | 230 | 1@99 | 10 | 260 | 1@0 | 16QAM | 25.50 | 0 | 25.50 | 354.9 | 2000 | PASS |
| A    |    | 0   |      |    | 0   |     |       |       |   |       | 9     |      |      |
| 4A-5 | 20 | 230 | 100@ | 10 | 260 | 50@ | 16QAM | 25.72 | 0 | 25.72 | 373.3 | 2000 | PASS |
| A    |    | 0   | 0    |    | 0   | 0   |       |       |   |       | 2     |      |      |

## 06 Out-of-band emissions for inter-band CA

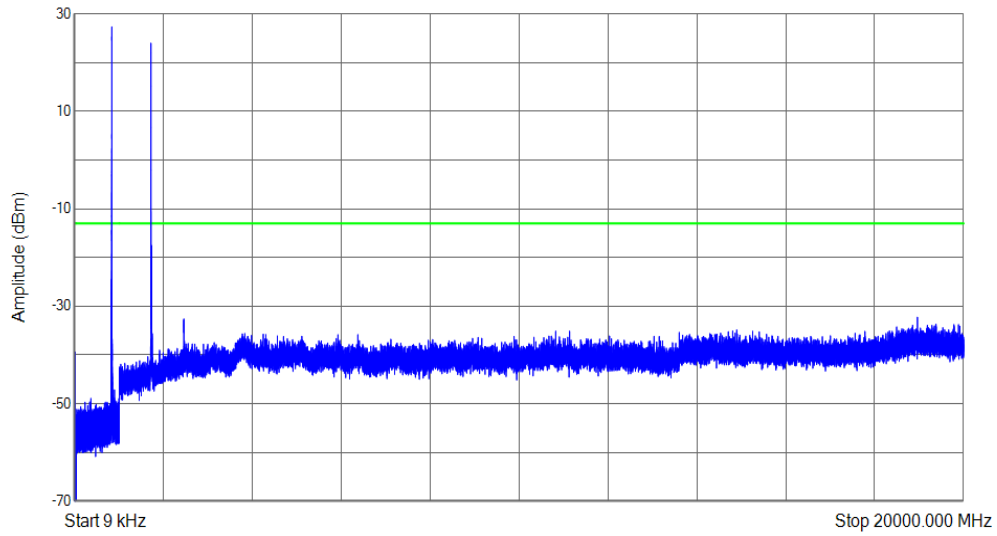
| Band  | PCC BW (MHz) | PCC Ch | PCC RB | SCC BW (MHz) | SCC Ch | SCC RB | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-------|--------------|--------|--------|--------------|--------|--------|------------|-----------------|------------------|-------------|---------|
| 4A-5A | 5            | 1975   | 1@0    | 5            | 2425   | 1@24   | QPSK       | 19718.17        | -31.99           | -13         | PASS    |
| 4A-5A | 5            | 1975   | 25@0   | 5            | 2425   | 25@0   | QPSK       | 18780.83        | -32.68           | -13         | PASS    |
| 4A-5A | 5            | 1975   | 1@0    | 5            | 2425   | 1@24   | 16QAM      | 19895.50        | -32.45           | -13         | PASS    |
| 4A-5A | 5            | 1975   | 25@0   | 5            | 2425   | 25@0   | 16QAM      | 19593.40        | -33.60           | -13         | PASS    |
| 4A-5A | 5            | 2375   | 1@0    | 5            | 2625   | 1@24   | QPSK       | 19237.47        | -32.52           | -13         | PASS    |
| 4A-5A | 5            | 2375   | 25@0   | 5            | 2625   | 25@0   | QPSK       | 19400.23        | -32.31           | -13         | PASS    |
| 4A-5A | 5            | 2375   | 1@0    | 5            | 2625   | 1@24   | 16QAM      | 19065.20        | -32.29           | -13         | PASS    |
| 4A-5A | 5            | 2375   | 25@0   | 5            | 2625   | 25@0   | 16QAM      | 19310.30        | -32.25           | -13         | PASS    |
| 4A-5A | 20           | 2050   | 1@0    | 10           | 2450   | 1@49   | QPSK       | 19450.90        | -33.14           | -13         | PASS    |
| 4A-5A | 20           | 2050   | 100@0  | 10           | 2450   | 50@0   | QPSK       | 19075.97        | -33.32           | -13         | PASS    |
| 4A-5A | 20           | 2050   | 1@0    | 10           | 2450   | 1@49   | 16QAM      | 18961.97        | -32.27           | -13         | PASS    |
| 4A-5A | 20           | 2050   | 100@0  | 10           | 2450   | 50@0   | 16QAM      | 19127.27        | -33.09           | -13         | PASS    |
| 4A-5A | 20           | 2300   | 1@0    | 10           | 2600   | 1@49   | QPSK       | 19440.13        | -32.84           | -13         | PASS    |
| 4A-5A | 20           | 2300   | 100@0  | 10           | 2600   | 50@0   | QPSK       | 19611.13        | -33.39           | -13         | PASS    |
| 4A-5A | 20           | 2300   | 1@0    | 10           | 2600   | 1@49   | 16QAM      | 19399.60        | -33.51           | -13         | PASS    |
| 4A-5A | 20           | 2300   | 100@0  | 10           | 2600   | 50@0   | 16QAM      | 2463.00         | -32.40           | -13         | PASS    |

**4A-5A 16QAM PCC BW=20MHz Ch=2050 RB=100@0, SCC BW=10MHz Ch=2450 RB=50@0**



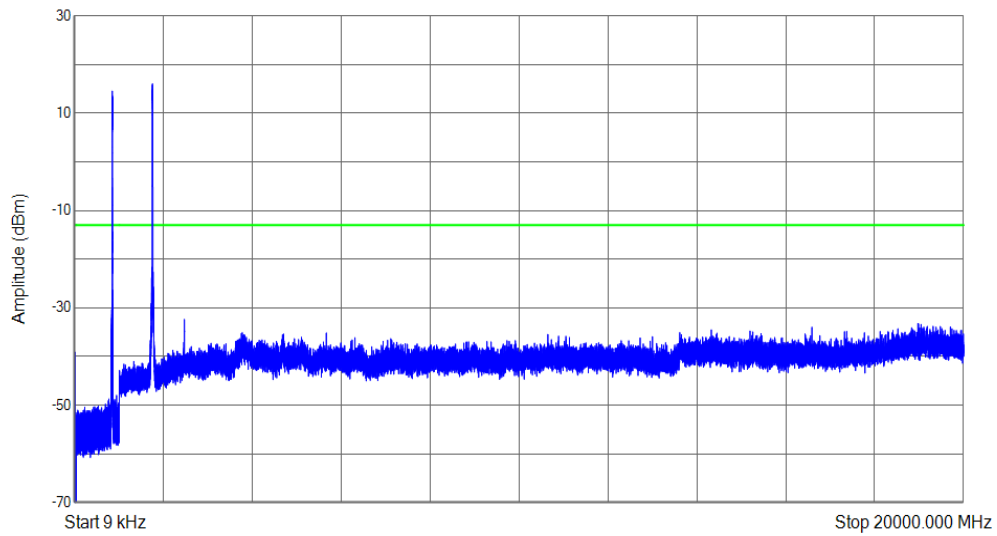
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -38.21           | -13         |
| 2     | 0.15        | 30         | 10        | 0.18            | -50.59           | -13         |
| 3     | 30          | 1000       | 100       | 992.11          | -48.37           | -13         |
| 4     | 1000        | 20000      | 1000      | 19127.27        | -33.09           | -13         |

**4A-5A 16QAM PCC BW=20MHz Ch=2050 RB=1@0, SCC BW=10MHz Ch=2450 RB=1@49**



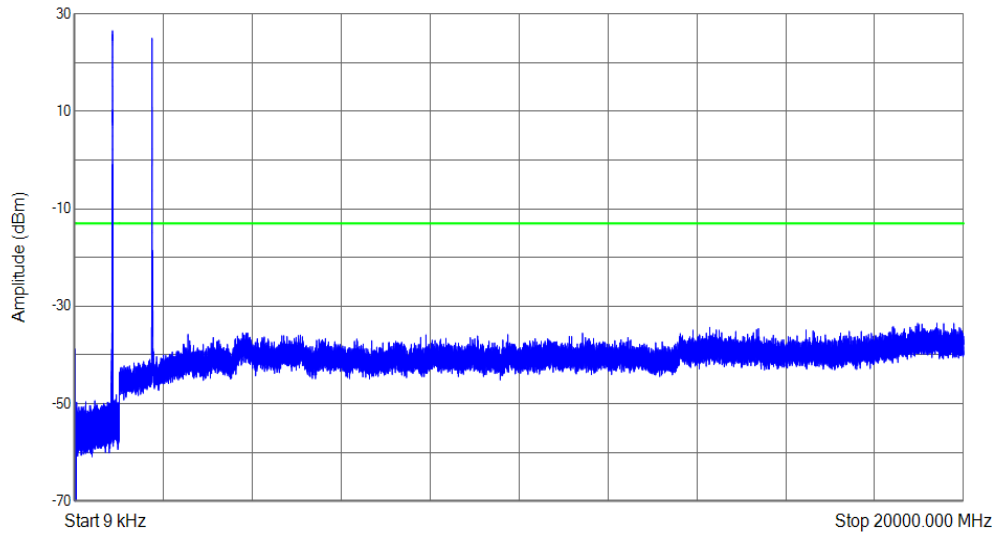
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.42           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -51.75           | -13         |
| 3     | 30          | 1000       | 100       | 890.75          | -47.17           | -13         |
| 4     | 1000        | 20000      | 1000      | 18961.97        | -32.27           | -13         |

**4A-5A 16QAM PCC BW=20MHz Ch=2300 RB=100@0,SCC BW=10MHz Ch=2600 RB=50@0**



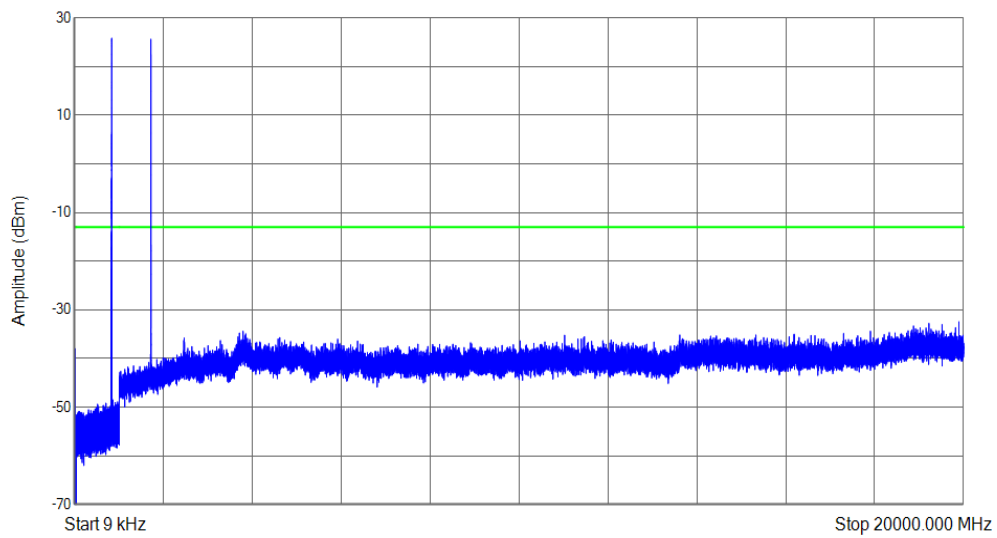
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.13           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16            | -50.08           | -13         |
| 3     | 30          | 1000       | 100       | 936.98          | -48              | -13         |
| 4     | 1000        | 20000      | 1000      | 2463            | -32.4            | -13         |

**4A-5A 16QAM PCC BW=20MHz Ch=2300 RB=1@0,SCC BW=10MHz Ch=2600 RB=1@49**



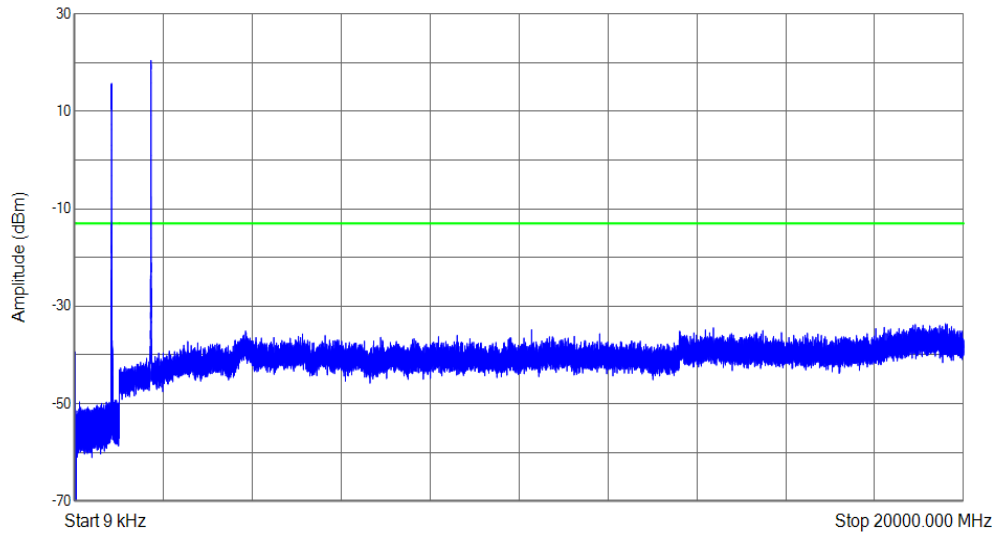
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -38.87           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16            | -50.51           | -13         |
| 3     | 30          | 1000       | 100       | 933.46          | -48.19           | -13         |
| 4     | 1000        | 20000      | 1000      | 19399.6         | -33.51           | -13         |

**4A-5A 16QAM PCC BW=5MHz Ch=1975 RB=1@0,SCC BW=5MHz Ch=2425 RB=1@24**



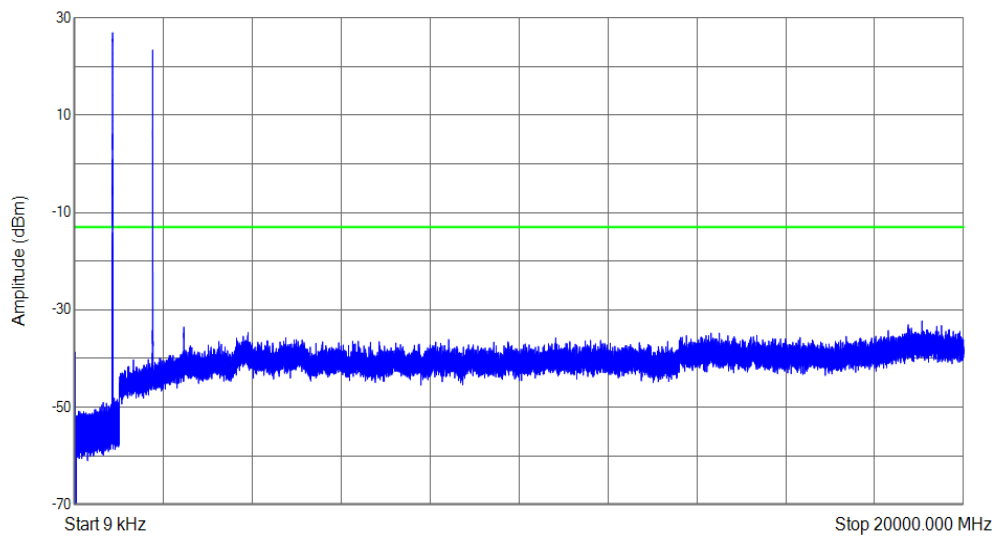
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -38.01           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16            | -49.39           | -13         |
| 3     | 30          | 1000       | 100       | 962.56          | -48.91           | -13         |
| 4     | 1000        | 20000      | 1000      | 19895.5         | -32.45           | -13         |

**4A-5A 16QAM PCC BW=5MHz Ch=1975 RB=25@0,SCC BW=5MHz Ch=2425 RB=25@0**



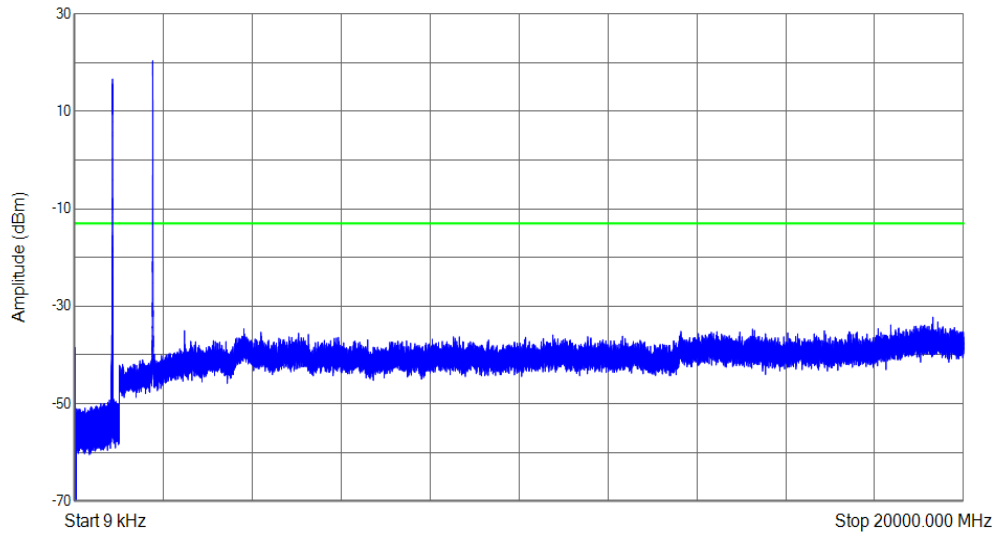
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.35           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -49.17           | -13         |
| 3     | 30          | 1000       | 100       | 920.69          | -49.29           | -13         |
| 4     | 1000        | 20000      | 1000      | 19593.4         | -33.6            | -13         |

**4A-5A 16QAM PCC BW=5MHz Ch=2375 RB=1@0,SCC BW=5MHz Ch=2625 RB=1@24**



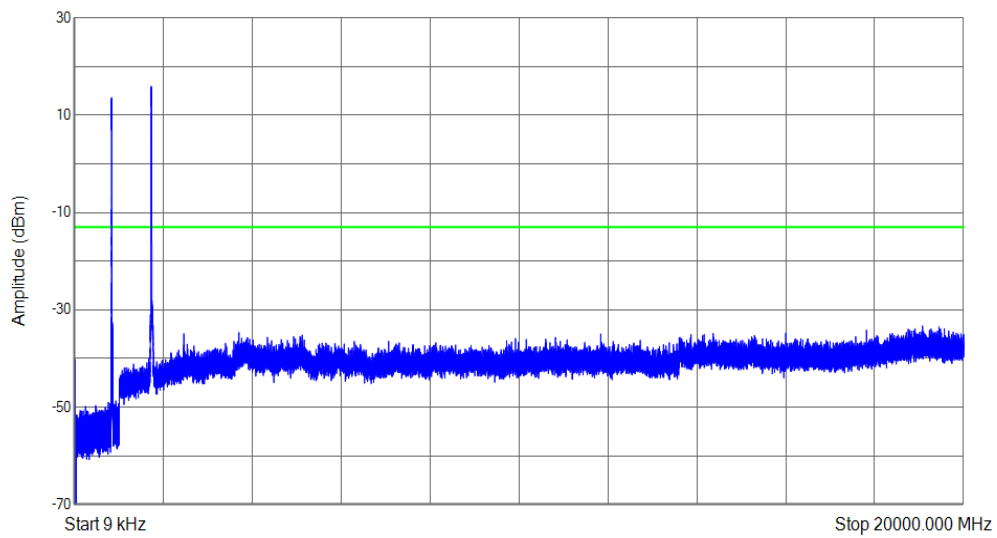
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -38.72           | -13         |
| 2     | 0.15        | 30         | 10        | 0.19            | -51.12           | -13         |
| 3     | 30          | 1000       | 100       | 885.09          | -48.15           | -13         |
| 4     | 1000        | 20000      | 1000      | 19065.2         | -32.29           | -13         |

**4A-5A 16QAM PCC BW=5MHz Ch=2375 RB=25@0,SCC BW=5MHz Ch=2625 RB=25@0**



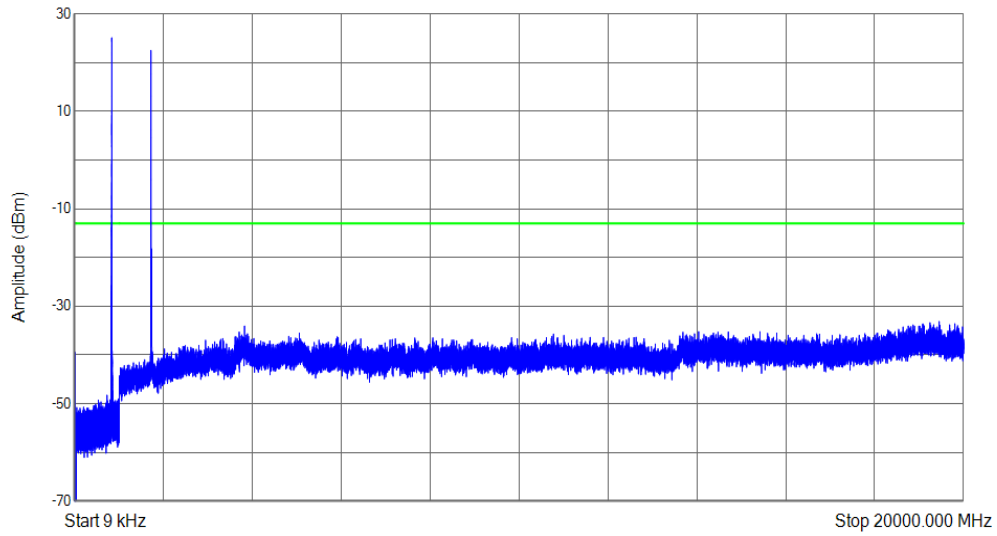
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -38.47           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -49.33           | -13         |
| 3     | 30          | 1000       | 100       | 874.32          | -49.13           | -13         |
| 4     | 1000        | 20000      | 1000      | 19310.3         | -32.25           | -13         |

**4A-5A QPSK PCC BW=20MHz Ch=2050 RB=100@0,SCC BW=10MHz Ch=2450 RB=50@0**



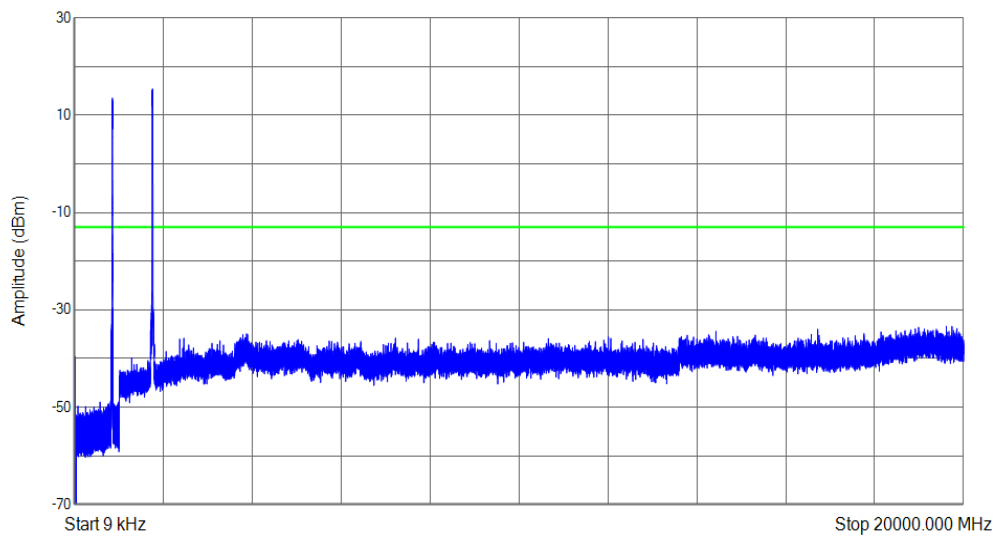
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -40.26           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.55           | -13         |
| 3     | 30          | 1000       | 100       | 923.11          | -48.7            | -13         |
| 4     | 1000        | 20000      | 1000      | 19075.97        | -33.32           | -13         |

**4A-5A QPSK PCC BW=20MHz Ch=2050 RB=1@0,SCC BW=10MHz Ch=2450 RB=1@49**



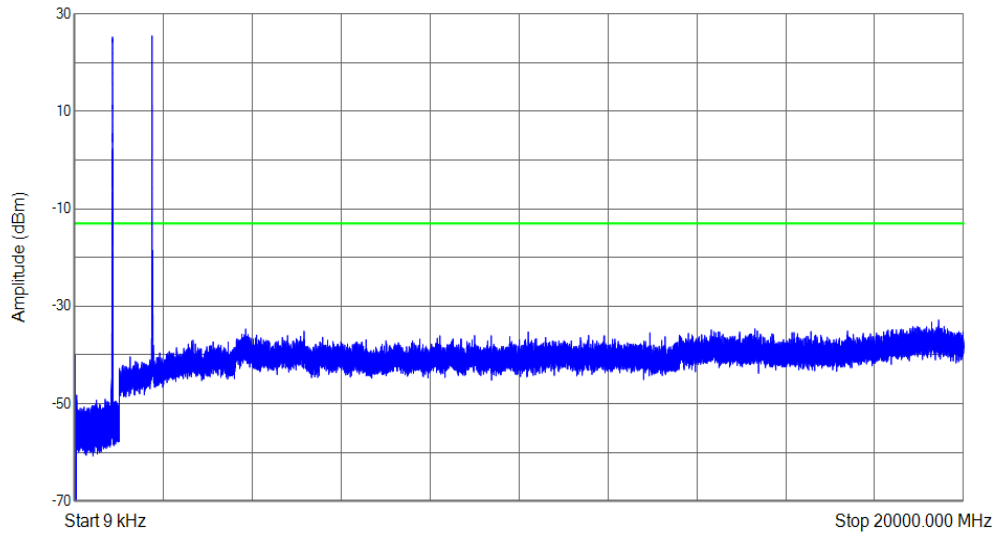
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.51           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16            | -50.91           | -13         |
| 3     | 30          | 1000       | 100       | 724.07          | -48.26           | -13         |
| 4     | 1000        | 20000      | 1000      | 19450.9         | -33.14           | -13         |

**4A-5A QPSK PCC BW=20MHz Ch=2300 RB=100@0,SCC BW=10MHz Ch=2600 RB=50@0**



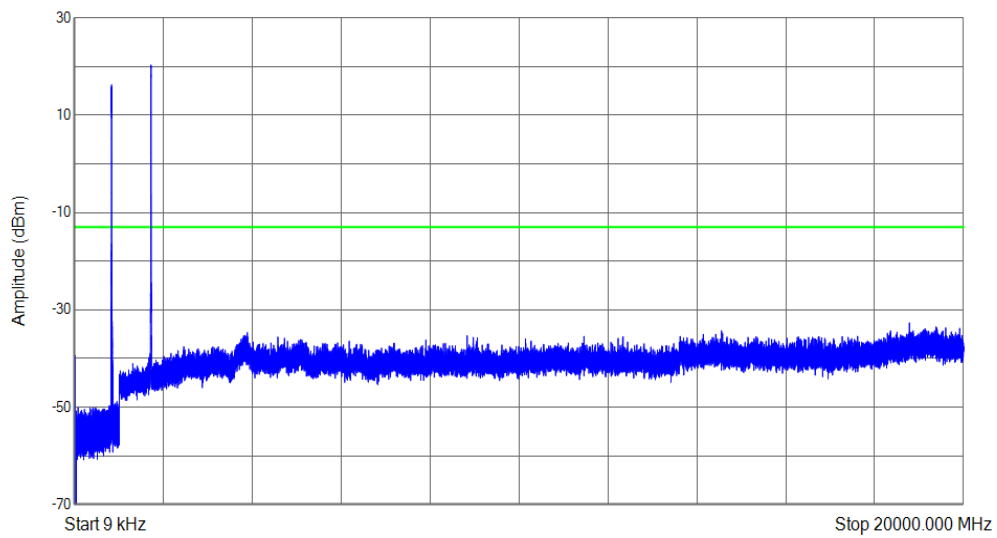
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.63           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -49.01           | -13         |
| 3     | 30          | 1000       | 100       | 996.15          | -48.62           | -13         |
| 4     | 1000        | 20000      | 1000      | 19611.13        | -33.39           | -13         |

**4A-5A QPSK PCC BW=20MHz Ch=2300 RB=1@0,SCC BW=10MHz Ch=2600 RB=1@49**



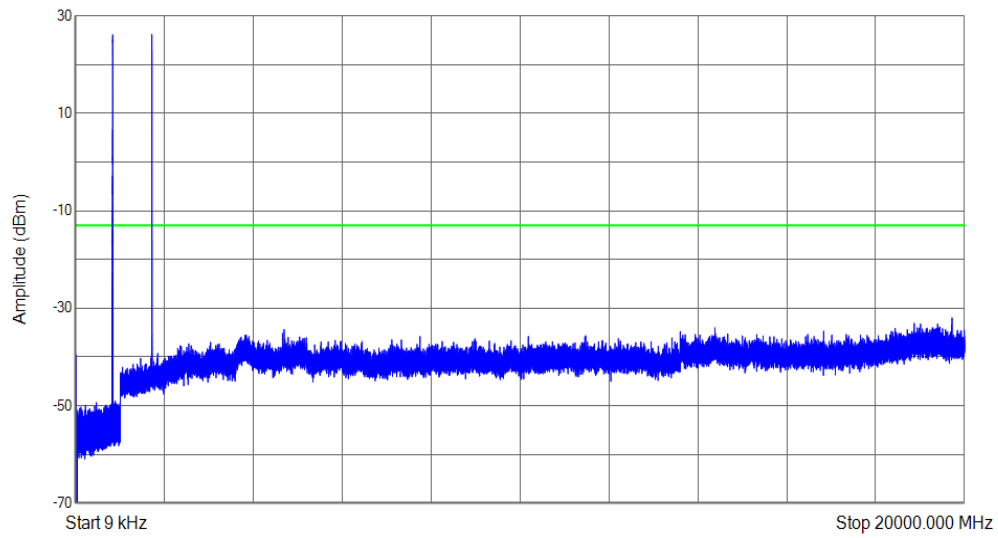
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -40.08           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16            | -50.22           | -13         |
| 3     | 30          | 1000       | 100       | 39.18           | -48.26           | -13         |
| 4     | 1000        | 20000      | 1000      | 19440.13        | -32.84           | -13         |

**4A-5A QPSK PCC BW=5MHz Ch=1975 RB=25@0,SCC BW=5MHz Ch=2425 RB=25@0**



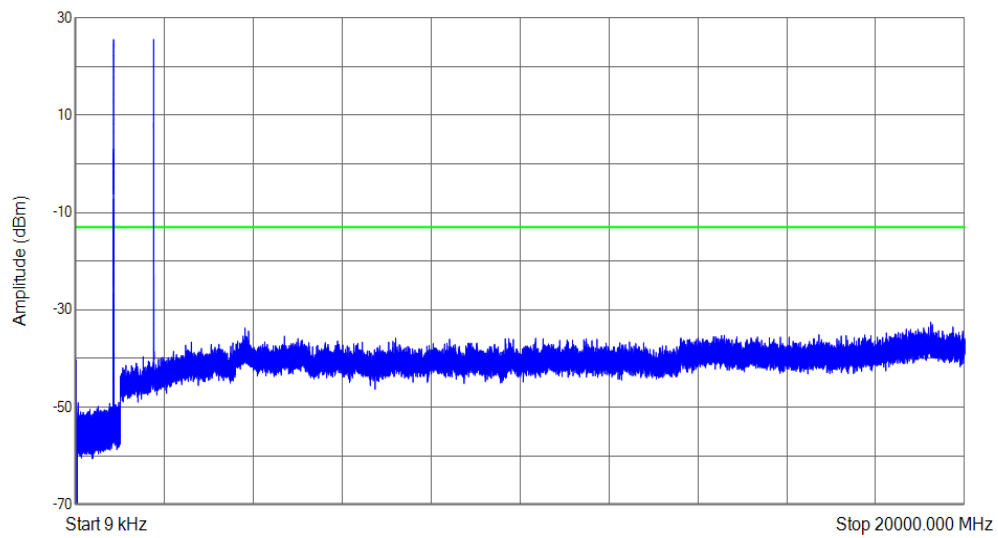
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.38           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16            | -47.73           | -13         |
| 3     | 30          | 1000       | 100       | 948.33          | -48.85           | -13         |
| 4     | 1000        | 20000      | 1000      | 18780.83        | -32.68           | -13         |

**4A-5A QPSK PCC BW=5MHz Ch=1975 RB=1@0,SCC BW=5MHz Ch=2425 RB=1@24**



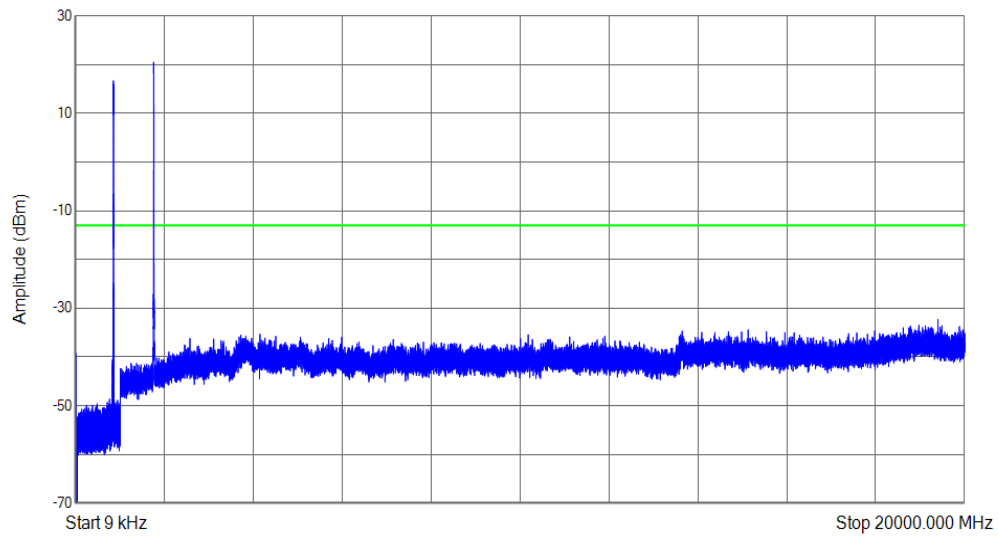
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.59           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.72           | -13         |
| 3     | 30          | 1000       | 100       | 885.25          | -49.07           | -13         |
| 4     | 1000        | 20000      | 1000      | 19718.17        | -31.99           | -13         |

**4A-5A QPSK PCC BW=5MHz Ch=2375 RB=1@0,SCC BW=5MHz Ch=2625 RB=1@24**



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.02            | -40.37           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.22           | -13         |
| 3     | 30          | 1000       | 100       | 965.21          | -49.02           | -13         |
| 4     | 1000        | 20000      | 1000      | 19237.47        | -32.52           | -13         |

**4A-5A QPSK PCC BW=5MHz Ch=2375 RB=25@0,SCC BW=5MHz Ch=2625 RB=25@0**



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01            | -39.35           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.77           | -13         |
| 3     | 30          | 1000       | 100       | 760.02          | -48.67           | -13         |
| 4     | 1000        | 20000      | 1000      | 19400.23        | -32.31           | -13         |