



LTE ULCA\_13A-66A SCC(66A)

Channel Bandwidth:10MHz

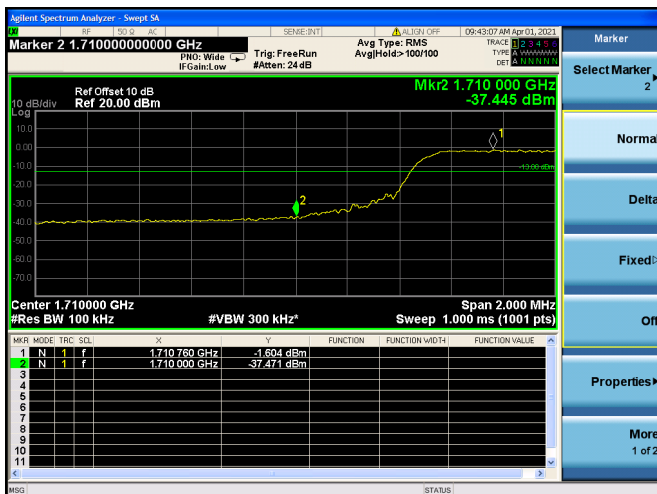
Low 1RB



High 1RB



Low FULL RB



High FULL RB



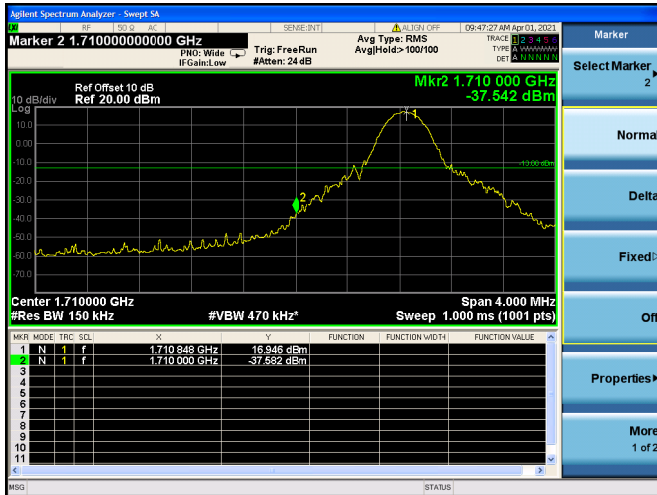


LTE ULCA\_13A-66A SCC(66A)

Channel Bandwidth:15MHz

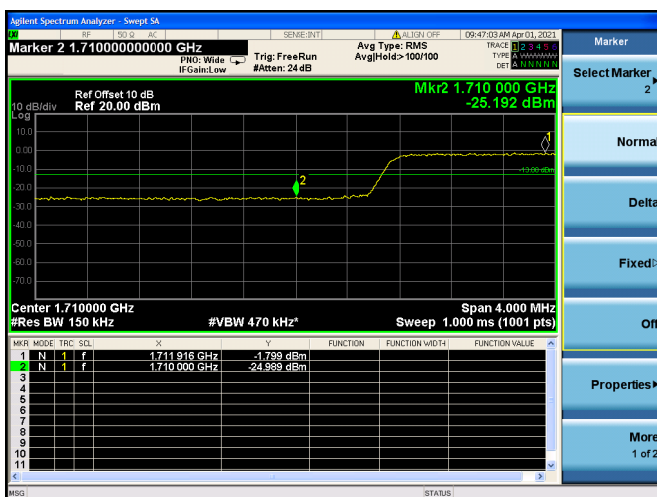
Low 1RB

High 1RB



Low FULL RB

High FULL RB

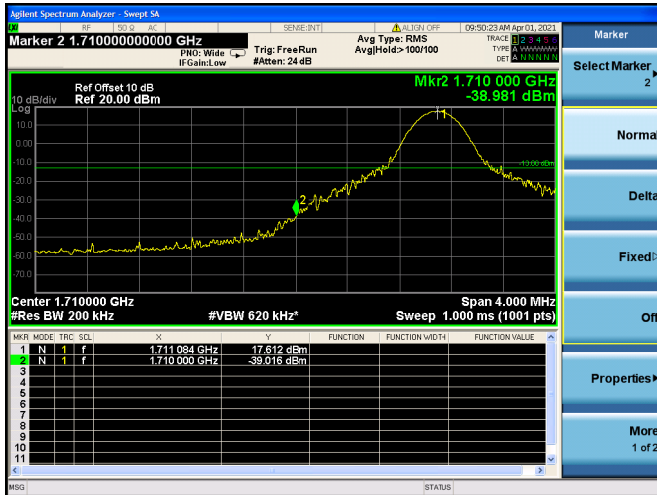




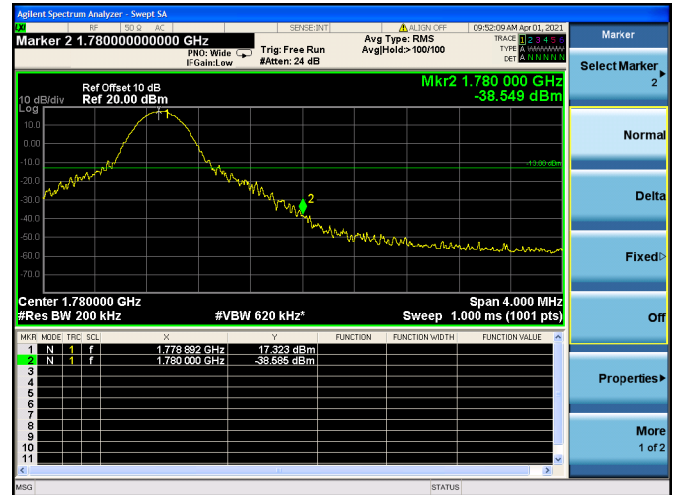
LTE ULCA\_13A-66A SCC(66A)

Channel Bandwidth:20MHz

Low 1RB



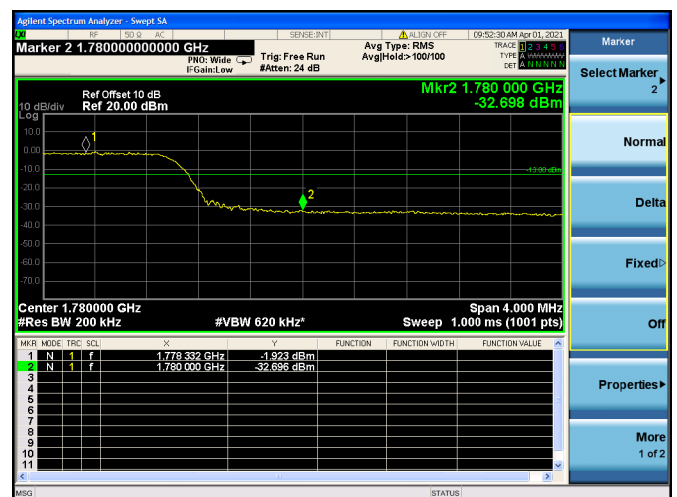
High 1RB



Low FULL RB



High FULL RB

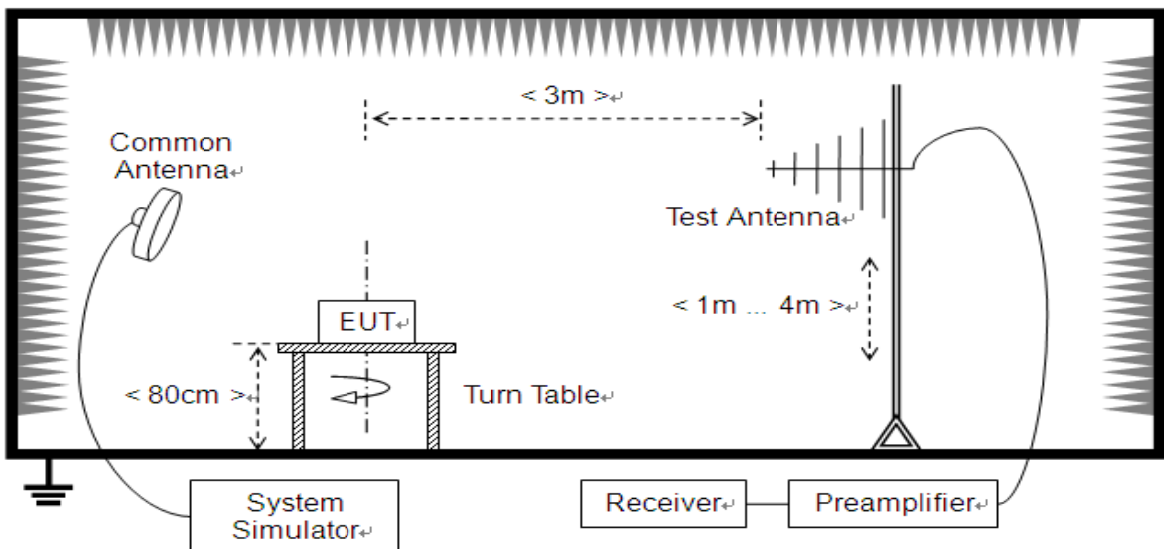


## 2.5. Radiated Spurious Emissions

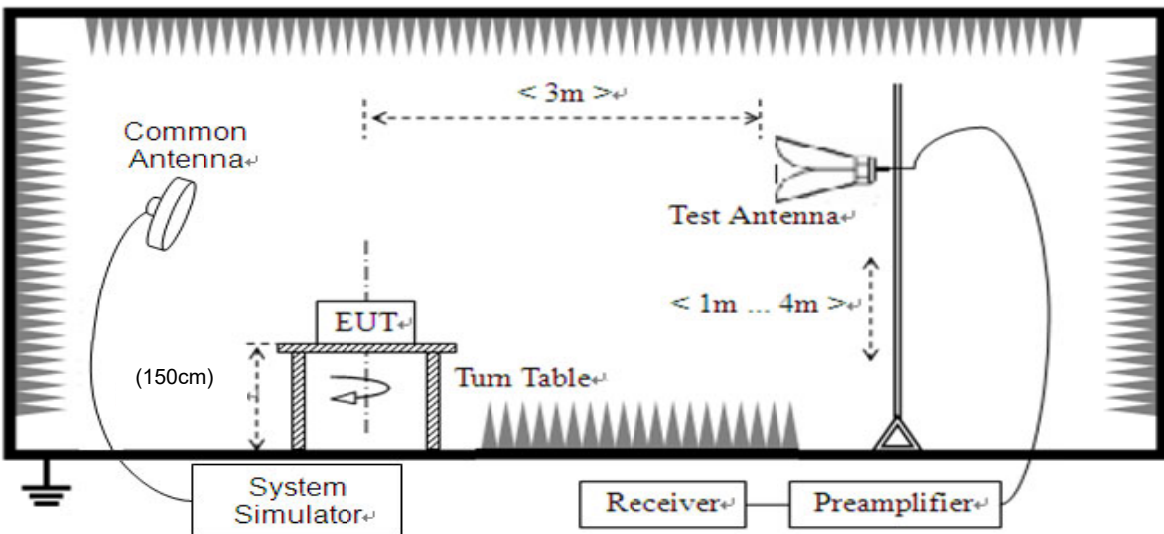
### 2.5.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43+10*\log(P)$ dB. This calculated to be -13dBm.

### 2.5.2. Test Description



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)



The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

**Note:** when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

### 2.5.3. Test procedure

KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

### 2.5.4. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. Test Antenna height is varied from 1m to 4m above the ground, and the Turn Table is actuated to turn from 0° to 360°, both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST\_TX}} - P_{\text{SUBST\_RX}} - L_{\text{SUBST\_CABLES}} + G_{\text{SUBST\_TX\_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where  $A_{\text{SUBST}}$  is the final substitution correction including receive antenna gain.

$P_{\text{SUBST\_TX}}$  is signal generator level,

$P_{\text{SUBST\_RX}}$  is receiver level,



$L_{\text{SUBST\_CABLES}}$  is cable losses including TX cable,

$G_{\text{SUBST\_TX\_ANT}}$  is substitution antenna gain.

$A_{\text{TOT}}$  is total correction factor including cable loss and substitution correction

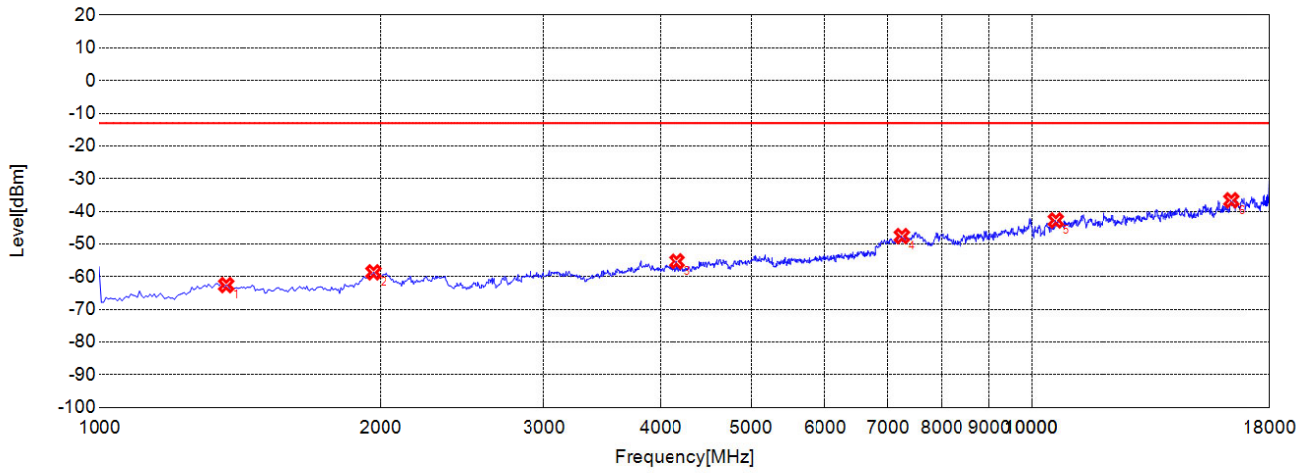
During the test, the data of  $A_{\text{TOT}}$  was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of  $A_{\text{TOT}}$ .

**Note1:** The power of the EUT transmitting frequency should be ignored.

**Note2:** All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

**Note3:** All bandwidth and test channel were considered and evaluated respectively by performing full test for each band, only the worst cases were recorded in this test report.

### Test Graph



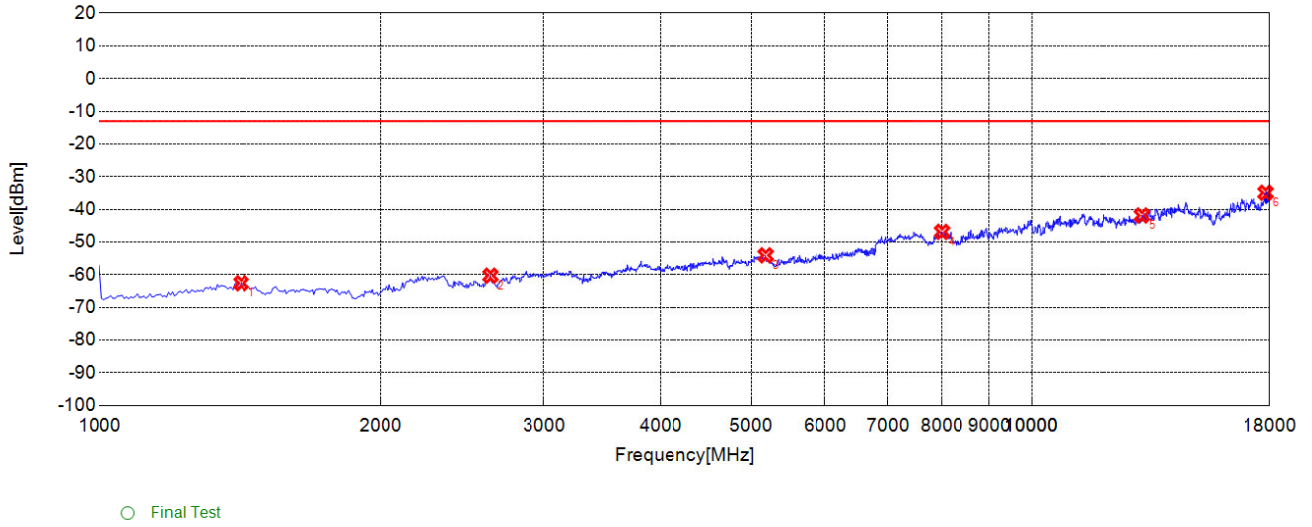
○ Final Test

| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1365.7660      | -62.56         | -13.00         | 49.56          | -8.14          | -45.30       | 37.16       | Horizontal   |
| 2              | 1963.7640      | -58.67         | -13.00         | 45.67          | -4.86          | -46.39       | 41.53       | Horizontal   |
| 3              | 4164.1640      | -55.31         | -13.00         | 42.31          | -7.13          | -46.90       | 39.77       | Horizontal   |
| 4              | 7248.4480      | -47.59         | -13.00         | 34.59          | 8.41           | -36.95       | 45.36       | Horizontal   |
| 5              | 10611.8120     | -42.78         | -13.00         | 29.78          | 13.19          | -35.51       | 48.70       | Horizontal   |
| 6              | 16363.1630     | -36.62         | -13.00         | 23.62          | 24.06          | -27.30       | 51.36       | Horizontal   |

CA\_2A\_4A Low 20M QPSK RB 1 0 1-18G H



### Test Graph



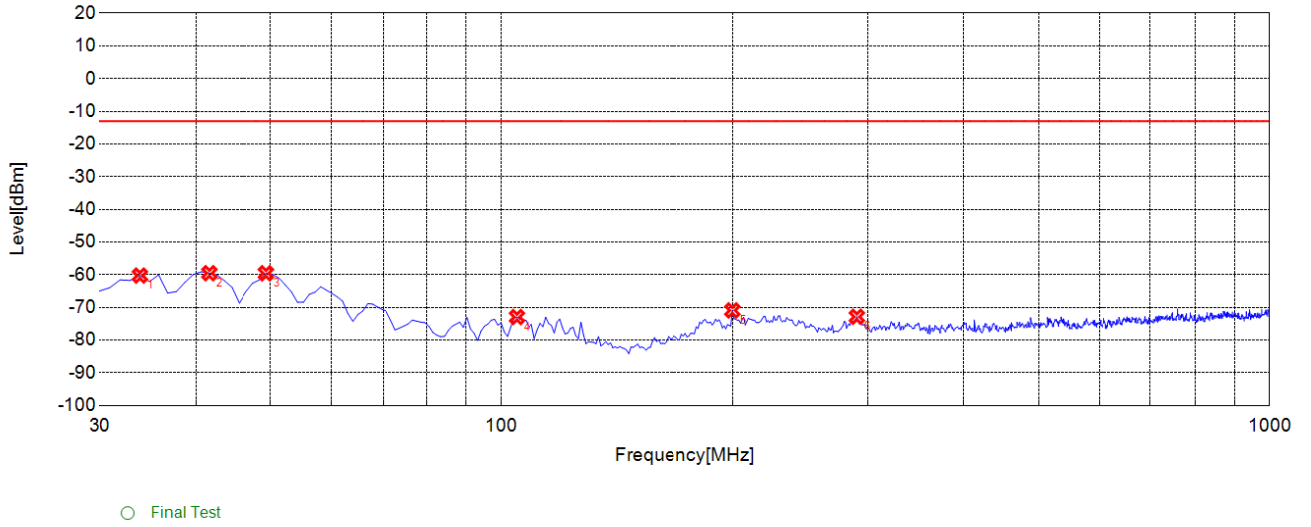
| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1418.0180      | -62.61         | -13.00         | 49.61          | -8.42          | -45.38       | 36.96       | Vertical     |
| 2              | 2625.6260      | -60.3          | -13.00         | 47.30          | -10.31         | -47.17       | 36.86       | Vertical     |
| 3              | 5180.1800      | -54.08         | -13.00         | 41.08          | -2.40          | -43.42       | 41.02       | Vertical     |
| 4              | 7999.6000      | -46.9          | -13.00         | 33.90          | 10.66          | -35.26       | 45.92       | Vertical     |
| 5              | 13145.5460     | -41.88         | -13.00         | 28.88          | 19.47          | -29.67       | 49.14       | Vertical     |
| 6              | 17831.8320     | -34.94         | -13.00         | 21.94          | 26.94          | -26.24       | 53.18       | Vertical     |

CA\_2A\_4A Low 20M QPSK RB 1 0 1-18G V





### Test Graph

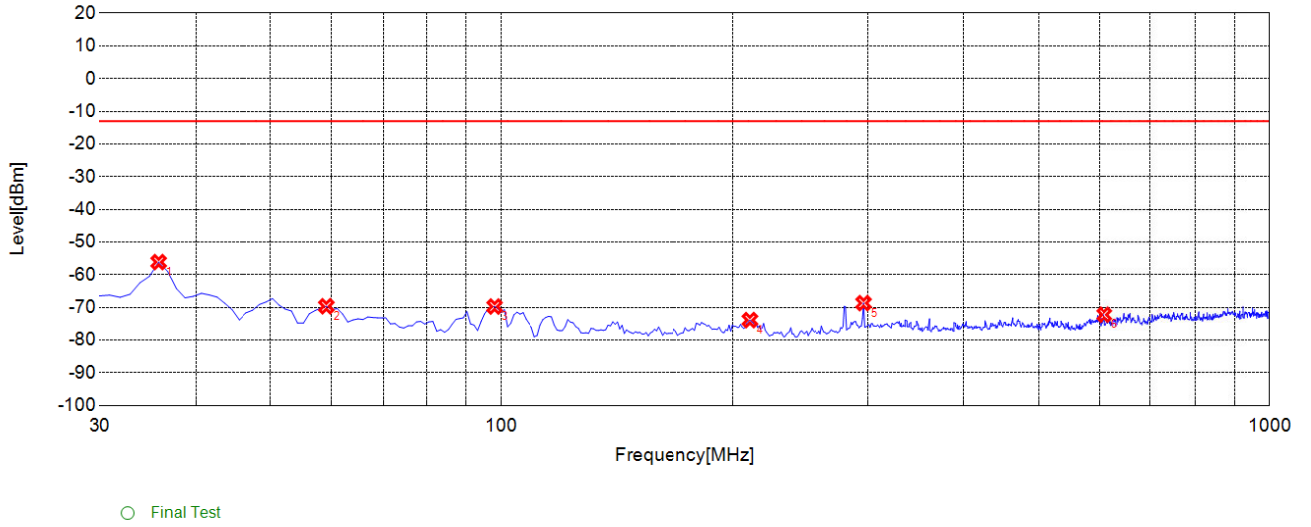


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 33.8840        | -60.26         | -13.00         | 47.26          | -9.81          | -39.59       | 29.78       | Horizontal   |
| 2              | 41.6520        | -59.54         | -13.00         | 46.54          | -7.05          | -39.53       | 32.48       | Horizontal   |
| 3              | 49.4190        | -59.58         | -13.00         | 46.58          | -7.01          | -39.46       | 32.45       | Horizontal   |
| 4              | 104.7650       | -72.95         | -13.00         | 59.95          | -17.53         | -38.70       | 21.17       | Horizontal   |
| 5              | 199.9200       | -70.92         | -13.00         | 57.92          | -14.94         | -37.84       | 22.90       | Horizontal   |
| 6              | 290.2200       | -72.87         | -13.00         | 59.87          | -11.77         | -36.97       | 25.20       | Horizontal   |

CA\_2A\_4A Low 20M QPSK RB 1 0 30M-1G H



### Test Graph

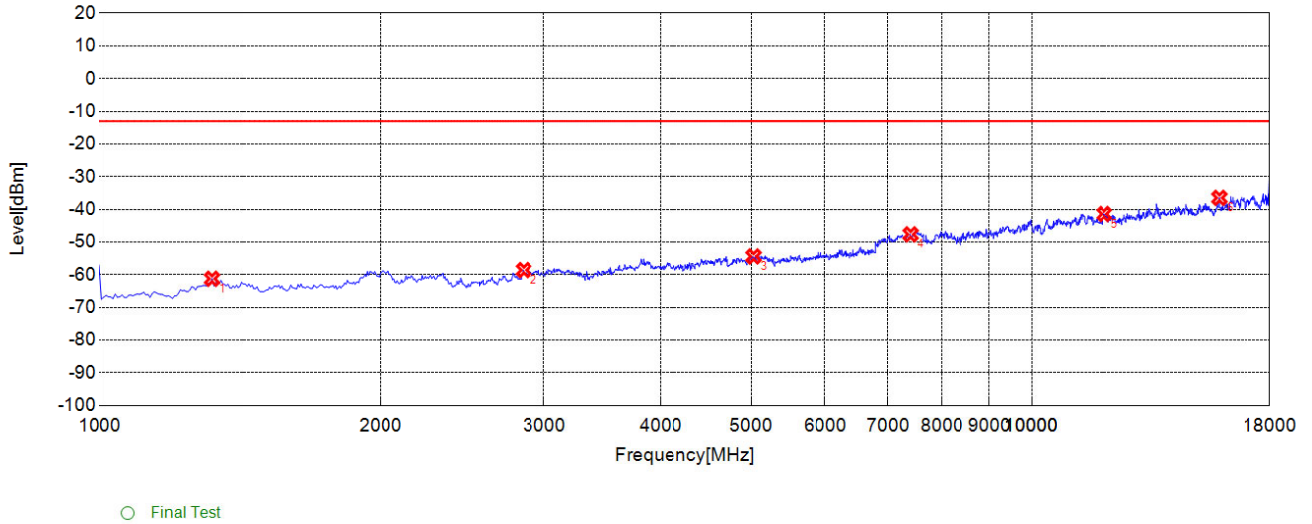


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -56.14         | -13.00         | 43.14          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 59.1290        | -69.66         | -13.00         | 56.66          | -18.04         | -39.48       | 21.44       | Vertical     |
| 3              | 97.9680        | -69.74         | -13.00         | 56.74          | -13.26         | -38.70       | 25.44       | Vertical     |
| 4              | 210.6010       | -73.89         | -13.00         | 60.89          | -16.64         | -37.57       | 20.93       | Vertical     |
| 5              | 296.0460       | -68.7          | -13.00         | 55.70          | -12.04         | -36.97       | 24.93       | Vertical     |
| 6              | 609.6700       | -72.25         | -13.00         | 59.25          | -5.44          | -34.84       | 29.40       | Vertical     |

CA\_2A\_4A Low 20M QPSK RB 1 0 30M-1G V



### Test Graph

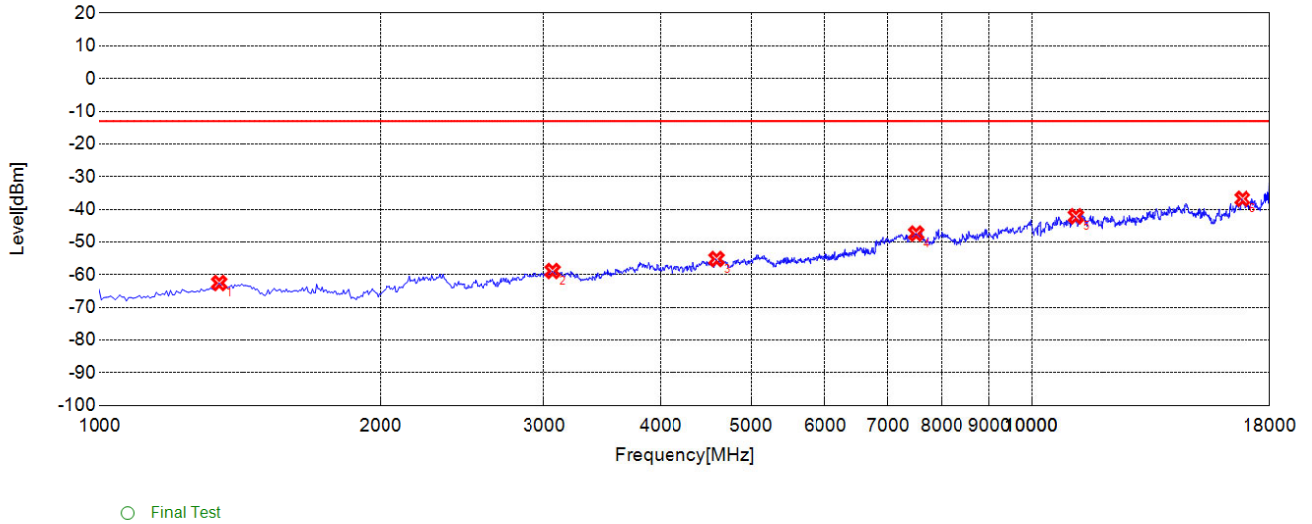


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1319.3190      | -61.24         | -13.00         | 48.24          | -7.75          | -45.28       | 37.53       | Horizontal   |
| 2              | 2852.0520      | -58.58         | -13.00         | 45.58          | -8.91          | -47.51       | 38.60       | Horizontal   |
| 3              | 5029.2290      | -54.42         | -13.00         | 41.42          | -2.42          | -43.84       | 41.42       | Horizontal   |
| 4              | 7405.4050      | -47.66         | -13.00         | 34.66          | 8.83           | -36.67       | 45.50       | Horizontal   |
| 5              | 11968.3680     | -41.43         | -13.00         | 28.43          | 17.37          | -31.86       | 49.23       | Horizontal   |
| 6              | 15892.2920     | -36.5          | -13.00         | 23.50          | 23.50          | -27.14       | 50.64       | Horizontal   |

CA\_2A\_4A Middle 20M QPSK RB 1 0 1-18G H



### Test Graph

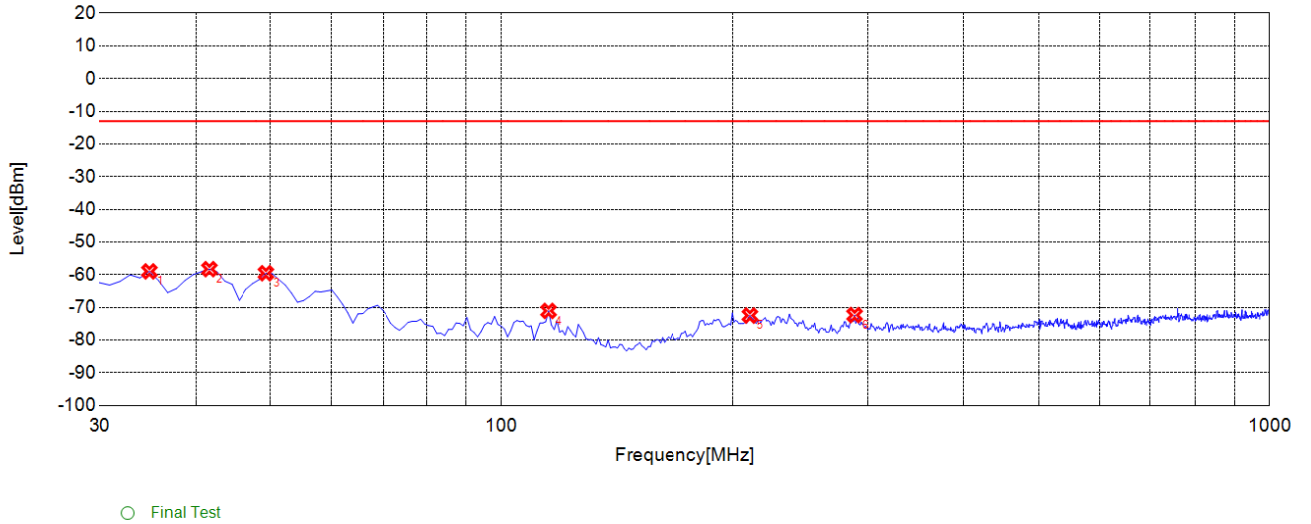


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1342.5430      | -62.55         | -13.00         | 49.55          | -8.72          | -45.27       | 36.55       | Vertical     |
| 2              | 3066.8670      | -58.87         | -13.00         | 45.87          | -8.76          | -47.32       | 38.56       | Vertical     |
| 3              | 4593.7940      | -55.2          | -13.00         | 42.20          | -5.25          | -45.40       | 40.15       | Vertical     |
| 4              | 7506.3060      | -47.41         | -13.00         | 34.41          | 10.21          | -35.54       | 45.75       | Vertical     |
| 5              | 11149.9500     | -42.13         | -13.00         | 29.13          | 14.14          | -34.76       | 48.90       | Vertical     |
| 6              | 16822.8230     | -36.77         | -13.00         | 23.77          | 24.57          | -26.51       | 51.08       | Vertical     |

CA\_2A\_4A Middle 20M QPSK RB 1 0 1-18G V



### Test Graph

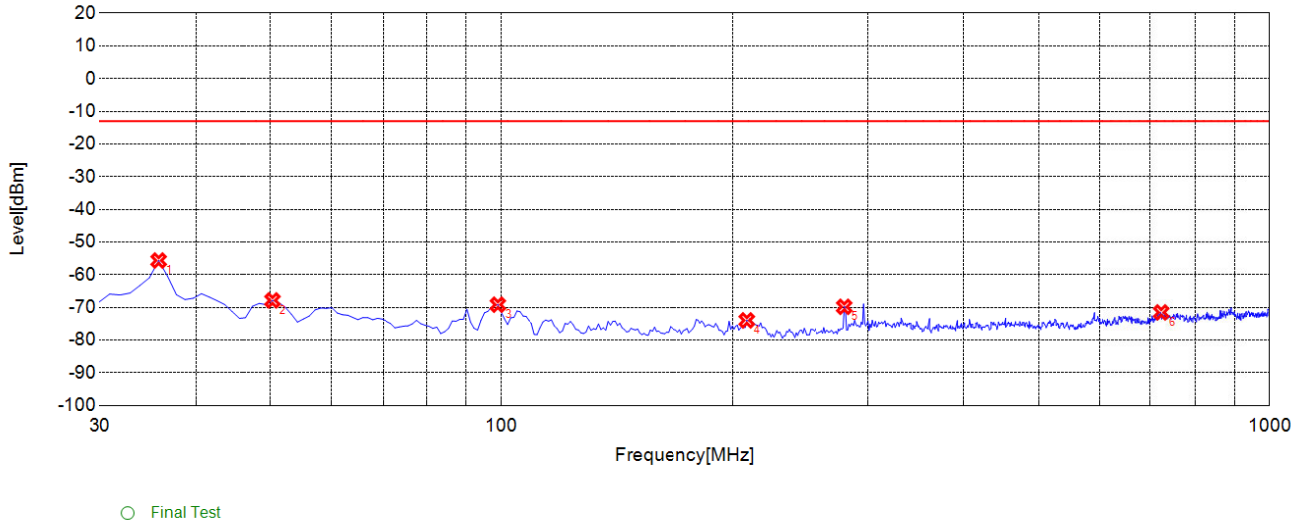


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 34.8550        | -58.99         | -13.00         | 45.99          | -9.37          | -39.58       | 30.21       | Horizontal   |
| 2              | 41.6520        | -58.3          | -13.00         | 45.30          | -7.05          | -39.53       | 32.48       | Horizontal   |
| 3              | 49.4190        | -59.55         | -13.00         | 46.55          | -7.01          | -39.46       | 32.45       | Horizontal   |
| 4              | 115.4450       | -71.08         | -13.00         | 58.08          | -17.90         | -38.64       | 20.74       | Horizontal   |
| 5              | 210.6010       | -72.49         | -13.00         | 59.49          | -13.93         | -37.57       | 23.64       | Horizontal   |
| 6              | 288.2780       | -72.36         | -13.00         | 59.36          | -11.81         | -36.98       | 25.17       | Horizontal   |

CA\_2A\_4A Middle 20M QPSK RB 1 0 30M-1G H



### Test Graph

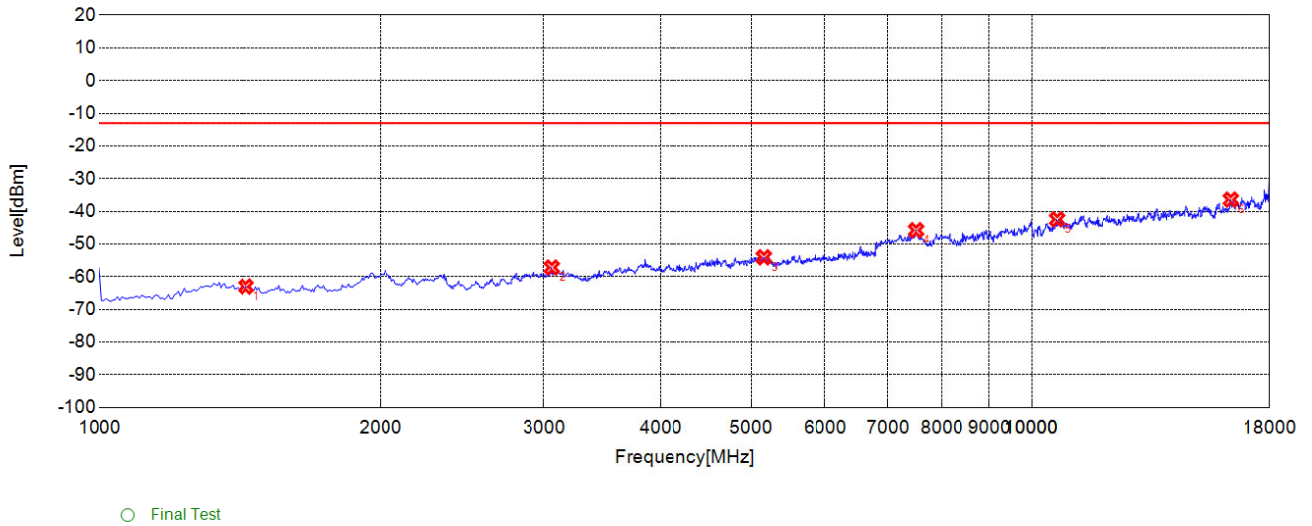


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -55.66         | -13.00         | 42.66          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 50.3900        | -67.86         | -13.00         | 54.86          | -15.33         | -39.46       | 24.13       | Vertical     |
| 3              | 98.9390        | -69.17         | -13.00         | 56.17          | -12.86         | -38.70       | 25.84       | Vertical     |
| 4              | 208.6590       | -73.98         | -13.00         | 60.98          | -16.60         | -37.61       | 21.01       | Vertical     |
| 5              | 279.5400       | -69.83         | -13.00         | 56.83          | -12.54         | -37.04       | 24.50       | Vertical     |
| 6              | 723.2730       | -71.53         | -13.00         | 58.53          | -3.68          | -34.30       | 30.62       | Vertical     |

CA\_2A\_4A Middle 20M QPSK RB 1 0 30M-1G V



### Test Graph

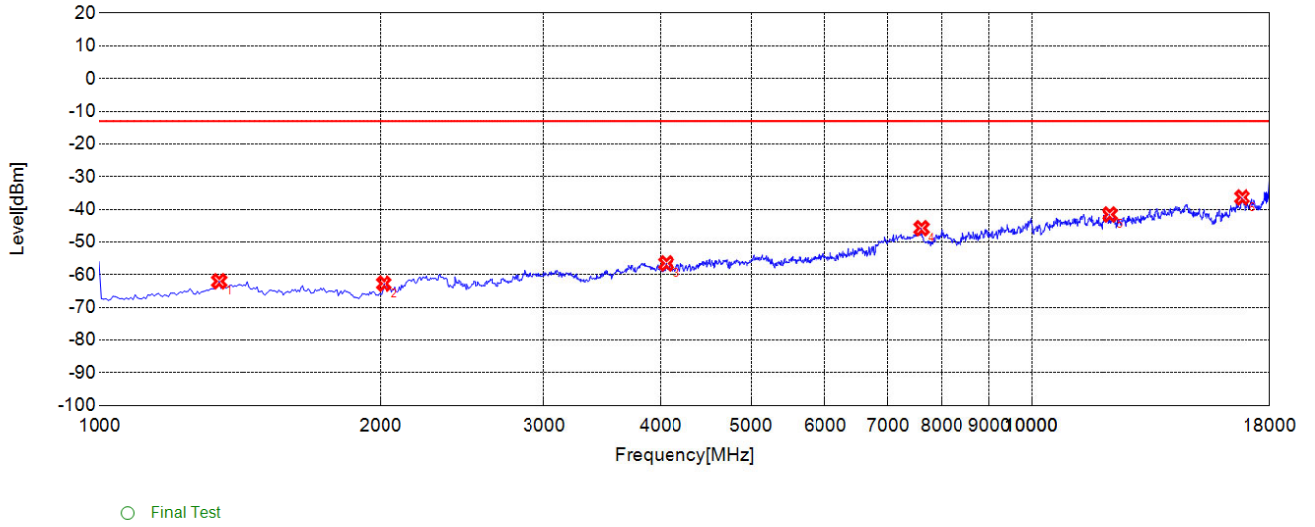


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1435.4350      | -63.03         | -13.00         | 50.03          | -8.80          | -45.40       | 36.60       | Horizontal   |
| 2              | 3061.0610      | -57.19         | -13.00         | 44.19          | -8.46          | -47.36       | 38.90       | Horizontal   |
| 3              | 5156.9570      | -54.08         | -13.00         | 41.08          | -2.41          | -43.73       | 41.32       | Horizontal   |
| 4              | 7506.3060      | -45.79         | -13.00         | 32.79          | 10.60          | -35.54       | 46.14       | Horizontal   |
| 5              | 10645.4450     | -42.46         | -13.00         | 29.46          | 13.62          | -35.02       | 48.64       | Horizontal   |
| 6              | 16340.7410     | -36.42         | -13.00         | 23.42          | 23.82          | -27.46       | 51.28       | Horizontal   |

CA\_2A\_4A High 20M QPSK RB 1 0 1-18G H



### Test Graph

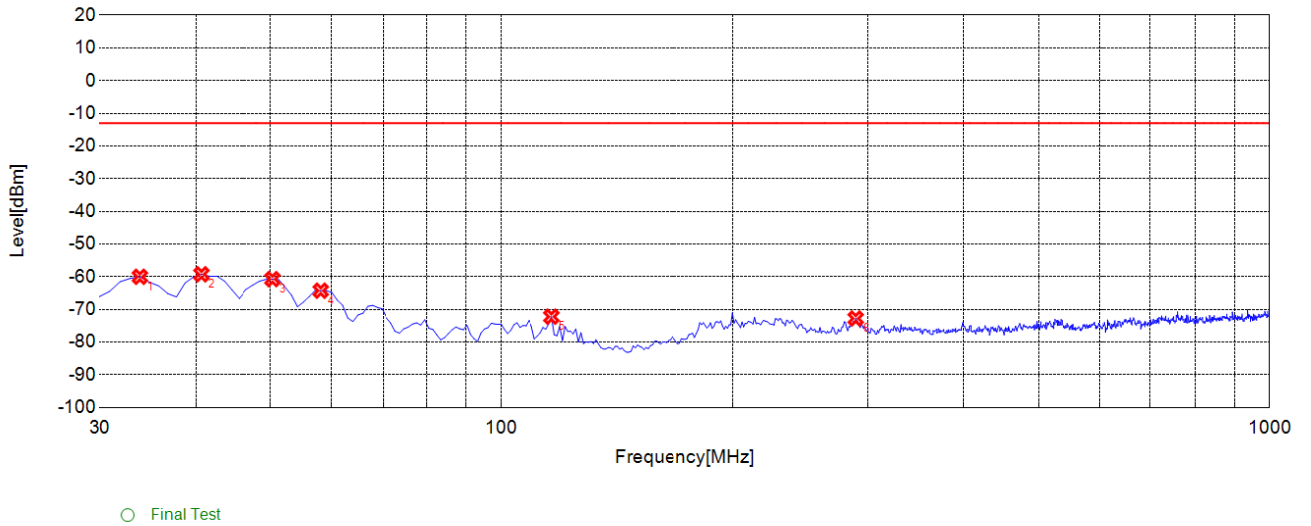


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1342.5430      | -62.02         | -13.00         | 49.02          | -8.72          | -45.27       | 36.55       | Vertical     |
| 2              | 2016.0160      | -62.73         | -13.00         | 49.73          | -10.03         | -46.41       | 36.38       | Vertical     |
| 3              | 4053.8540      | -56.55         | -13.00         | 43.55          | -7.32          | -46.68       | 39.36       | Vertical     |
| 4              | 7607.2070      | -45.78         | -13.00         | 32.78          | 9.82           | -35.34       | 45.16       | Vertical     |
| 5              | 12147.7480     | -41.58         | -13.00         | 28.58          | 17.78          | -31.03       | 48.81       | Vertical     |
| 6              | 16811.6120     | -36.36         | -13.00         | 23.36          | 24.59          | -26.39       | 50.98       | Vertical     |

CA\_2A\_4A High 20M QPSK RB 1 0 1-18G V



### Test Graph

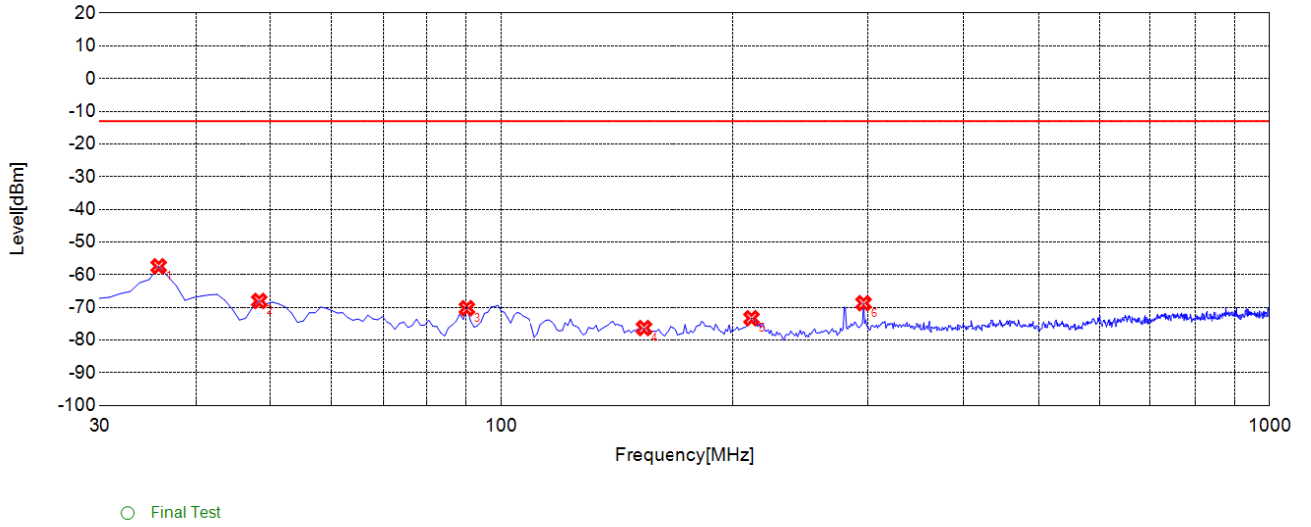


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 33.8840        | -60.03         | -13.00         | 47.03          | -9.81          | -39.59       | 29.78       | Horizontal   |
| 2              | 40.6810        | -59.26         | -13.00         | 46.26          | -7.05          | -39.53       | 32.48       | Horizontal   |
| 3              | 50.3900        | -60.75         | -13.00         | 47.75          | -7.16          | -39.46       | 32.30       | Horizontal   |
| 4              | 58.1580        | -64.29         | -13.00         | 51.29          | -10.21         | -39.48       | 29.27       | Horizontal   |
| 5              | 116.4160       | -72.23         | -13.00         | 59.23          | -17.95         | -38.63       | 20.68       | Horizontal   |
| 6              | 289.2490       | -72.78         | -13.00         | 59.78          | -11.78         | -36.97       | 25.19       | Horizontal   |

CA\_2A\_4A High 20M QPSK RB 1 0 30M-1G H



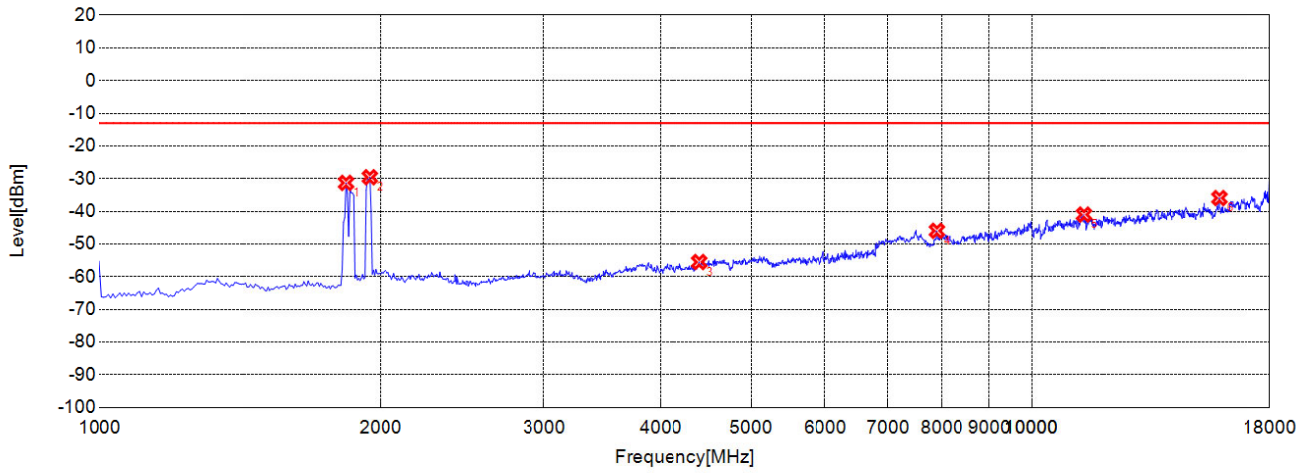
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -57.44         | -13.00         | 44.44          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 48.4480        | -68.03         | -13.00         | 55.03          | -15.38         | -39.47       | 24.09       | Vertical     |
| 3              | 90.2000        | -70.25         | -13.00         | 57.25          | -16.50         | -38.71       | 22.21       | Vertical     |
| 4              | 153.3130       | -76.32         | -13.00         | 63.32          | -16.80         | -38.57       | 21.77       | Vertical     |
| 5              | 211.5720       | -73.32         | -13.00         | 60.32          | -16.60         | -37.57       | 20.97       | Vertical     |
| 6              | 296.0460       | -68.73         | -13.00         | 55.73          | -12.04         | -36.97       | 24.93       | Vertical     |

CA\_2A\_4A High 20M QPSK RB 1 0 30M-1G V

### Test Graph

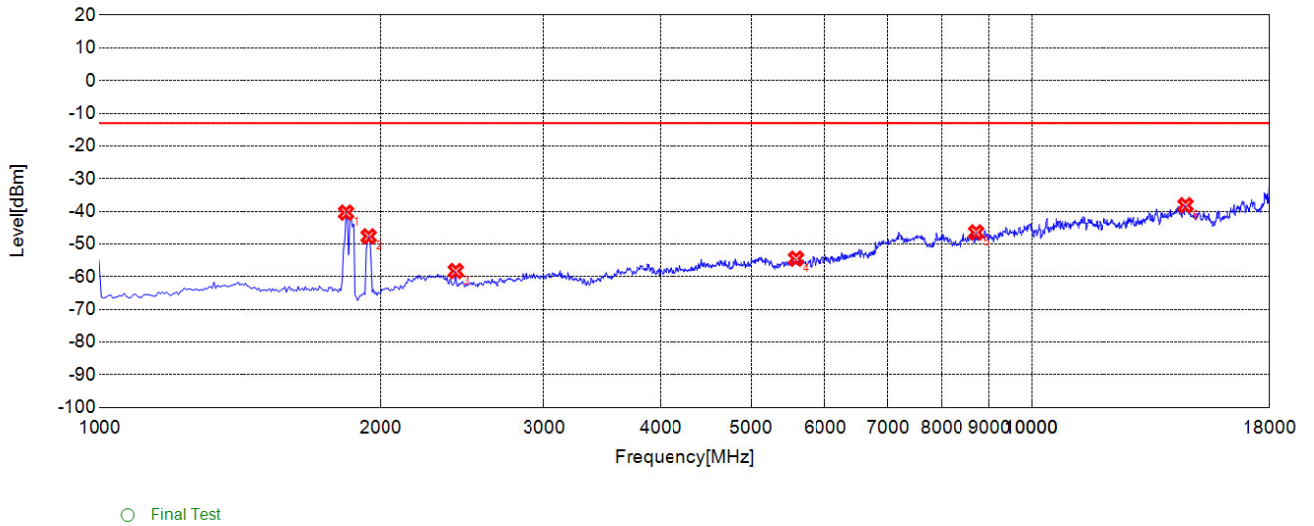


○ Final Test

| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1836.0360      | -31.3          | -13.00         | 18.30          | -7.58          | -46.57       | 38.99       | NA           |
| 2              | 1946.3460      | -29.57         | -13.00         | 16.57          | -5.17          | -46.45       | 41.28       | NA           |
| 3              | 4402.2020      | -55.51         | -13.00         | 42.51          | -5.69          | -45.82       | 40.13       | Horizontal   |
| 4              | 7898.6990      | -45.96         | -13.00         | 32.96          | 10.63          | -34.87       | 45.50       | Horizontal   |
| 5              | 11374.1740     | -41            | -13.00         | 28.00          | 15.96          | -33.36       | 49.32       | Horizontal   |
| 6              | 15892.2920     | -35.94         | -13.00         | 22.94          | 23.50          | -27.14       | 50.64       | Horizontal   |

CA\_2A\_5A Low 20M QPSK RB 1 0 1-18G H

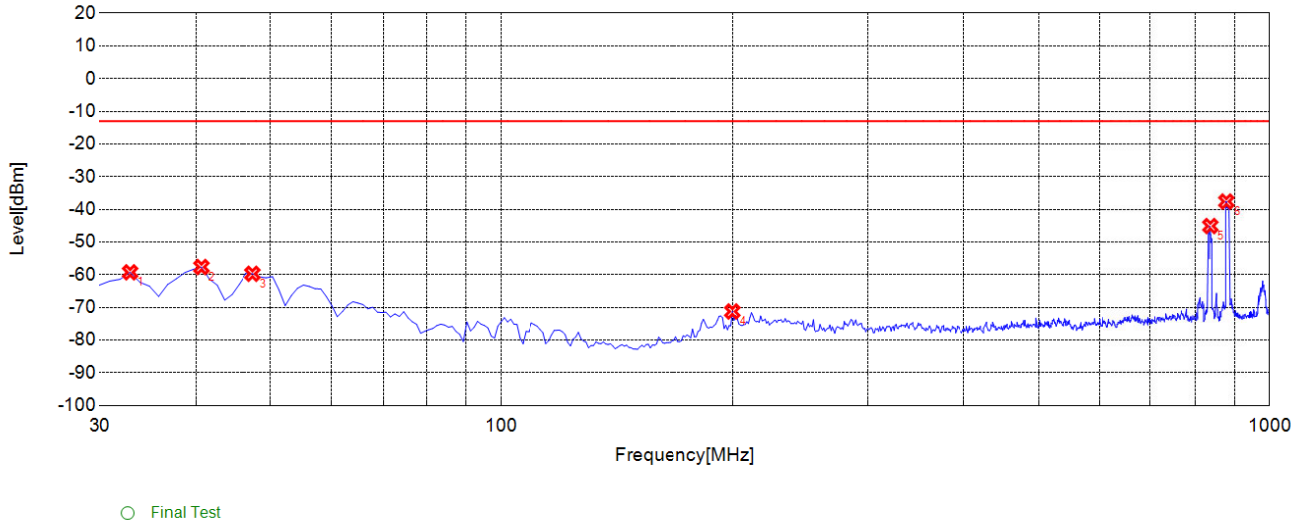
# Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1836.0360      | -40.4          | -13.00         | 27.40          | -10.08         | -46.57       | 36.49       | NA           |
| 2              | 1940.5410      | -47.67         | -13.00         | 34.67          | -10.70         | -46.49       | 35.79       | NA           |
| 3              | 2410.8110      | -58.27         | -13.00         | 45.27          | -10.35         | -47.43       | 37.08       | Vertical     |
| 4              | 5580.7810      | -54.49         | -13.00         | 41.49          | -2.62          | -43.00       | 40.38       | Vertical     |
| 5              | 8717.1170      | -46.47         | -13.00         | 33.47          | 9.80           | -36.74       | 46.54       | Vertical     |
| 6              | 14625.4250     | -38.14         | -13.00         | 25.14          | 22.44          | -27.87       | 50.31       | Vertical     |

CA\_2A\_5A Low 20M QPSK RB 1 0 1-18G V

### Test Graph

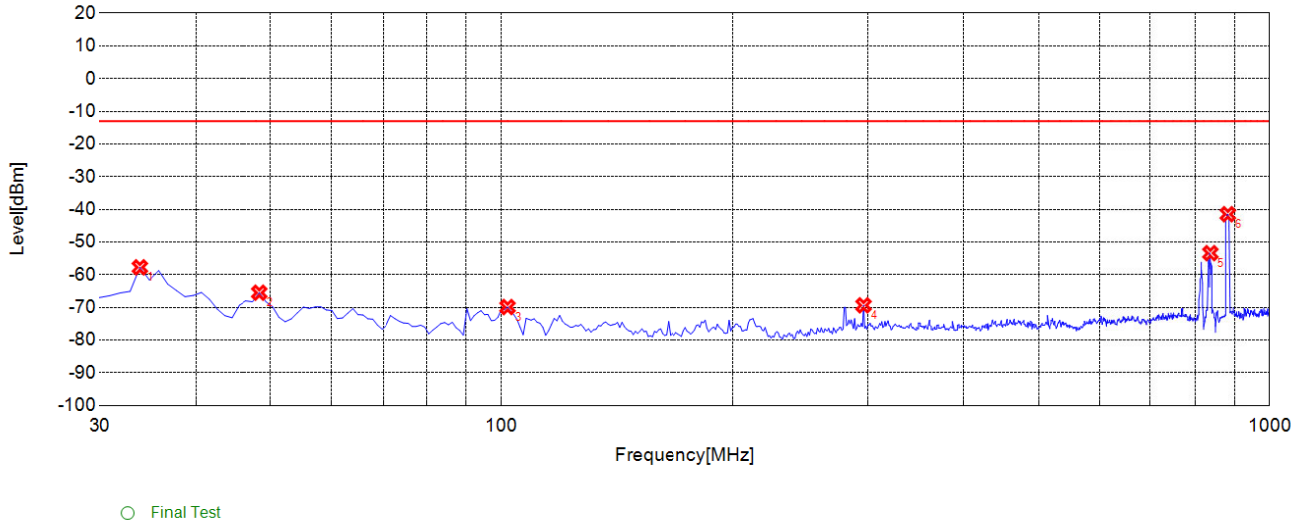


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 32.9130        | -59.27         | -13.00         | 46.27          | -10.25         | -39.60       | 29.35       | Horizontal   |
| 2              | 40.6810        | -57.65         | -13.00         | 44.65          | -7.05          | -39.53       | 32.48       | Horizontal   |
| 3              | 47.4770        | -59.72         | -13.00         | 46.72          | -7.02          | -39.48       | 32.46       | Horizontal   |
| 4              | 199.9200       | -71.26         | -13.00         | 58.26          | -14.94         | -37.84       | 22.90       | Horizontal   |
| 5              | 836.8770       | -45.11         | -13.00         | 32.11          | -2.58          | -34.13       | 31.55       | NA           |
| 6              | 877.6580       | -37.61         | -13.00         | 24.61          | -2.16          | -34.02       | 31.86       | NA           |

CA\_2A\_5A Low 20M QPSK RB 1 0 30M-1G H



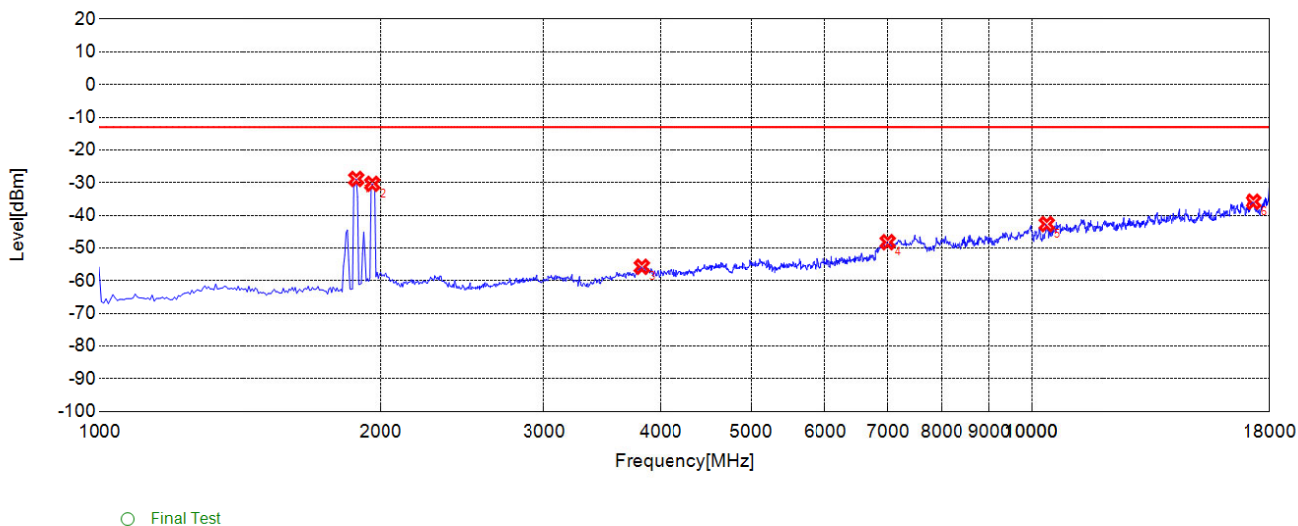
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 33.8840        | -57.74         | -13.00         | 44.74          | -16.76         | -39.59       | 22.83       | Vertical     |
| 2              | 48.4480        | -65.51         | -13.00         | 52.51          | -15.38         | -39.47       | 24.09       | Vertical     |
| 3              | 101.8520       | -69.89         | -13.00         | 56.89          | -13.11         | -38.70       | 25.59       | Vertical     |
| 4              | 296.0460       | -69.37         | -13.00         | 56.37          | -12.04         | -36.97       | 24.93       | Vertical     |
| 5              | 836.8770       | -53.41         | -13.00         | 40.41          | -2.70          | -34.13       | 31.43       | NA           |
| 6              | 881.5420       | -41.5          | -13.00         | 28.50          | -1.51          | -34.01       | 32.50       | NA           |

CA\_2A\_5A Low 20M QPSK RB 1 0 30M-1G V

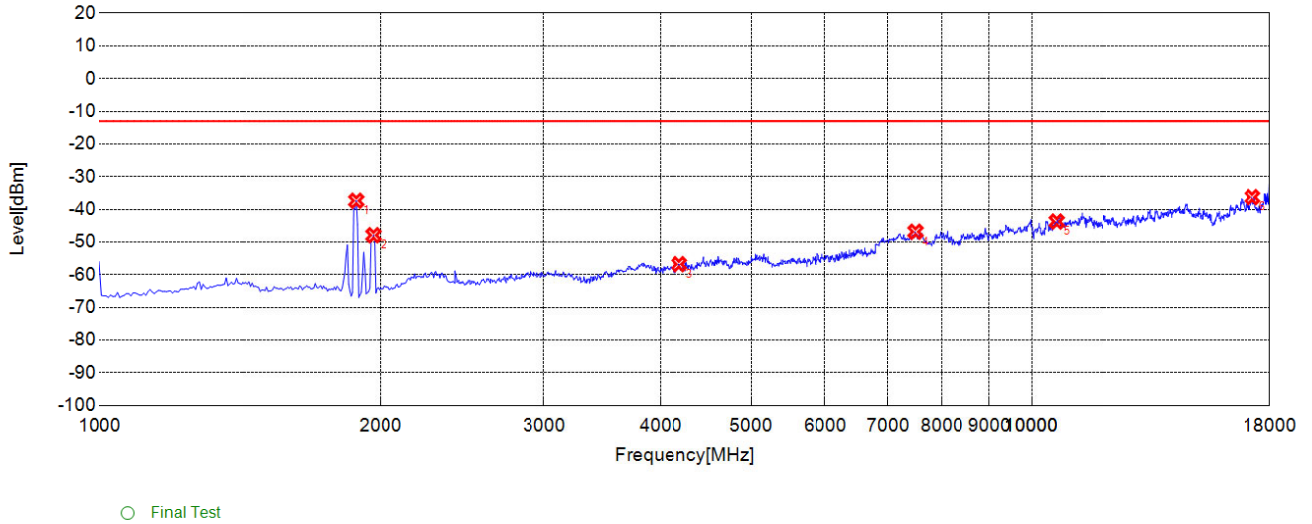
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1882.4820      | -28.87         | -13.00         | 15.87          | -6.53          | -46.71       | 40.18       | NA           |
| 2              | 1957.9580      | -30.36         | -13.00         | 17.36          | -4.95          | -46.40       | 41.45       | NA           |
| 3              | 3815.8160      | -55.74         | -13.00         | 42.74          | -6.78          | -46.31       | 39.53       | Horizontal   |
| 4              | 7001.8020      | -48.21         | -13.00         | 35.21          | 6.70           | -37.54       | 44.24       | Horizontal   |
| 5              | 10376.3760     | -42.68         | -13.00         | 29.68          | 14.34          | -35.01       | 49.35       | Horizontal   |
| 6              | 17304.9050     | -35.84         | -13.00         | 22.84          | 23.75          | -27.84       | 51.59       | Horizontal   |

CA\_2A\_5A Middle 20M QPSK RB 1 0 1-18G H

### Test Graph



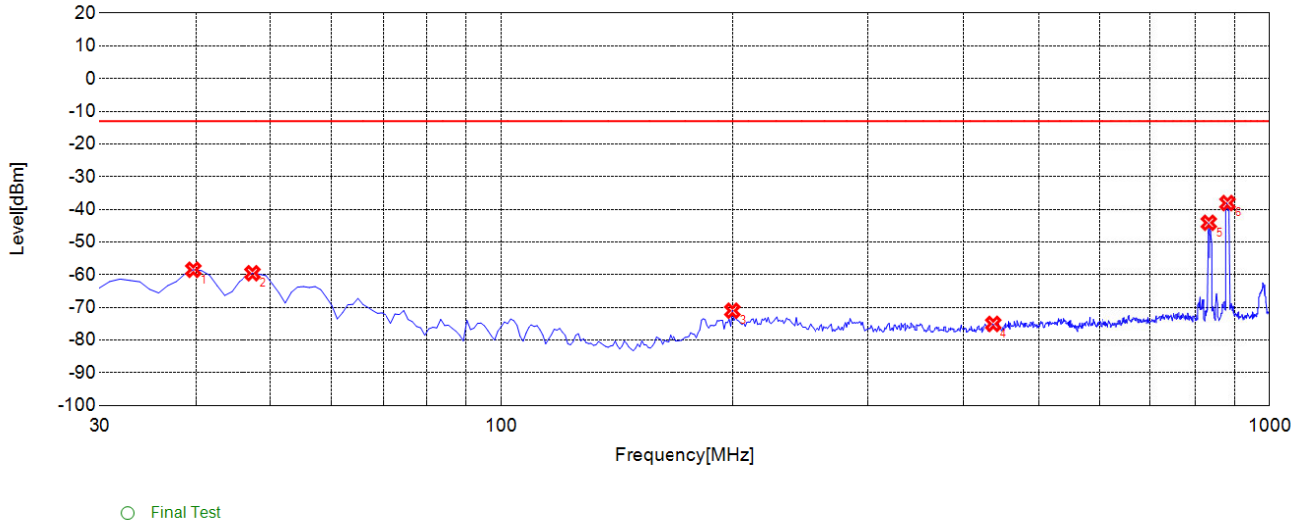
| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1882.4820      | -37.37         | -13.00         | 24.37          | -10.97         | -46.71       | 35.74       | NA           |
| 2              | 1963.7640      | -47.92         | -13.00         | 34.92          | -10.41         | -46.39       | 35.98       | NA           |
| 3              | 4187.3870      | -56.78         | -13.00         | 43.78          | -7.03          | -46.52       | 39.49       | Vertical     |
| 4              | 7495.0950      | -46.86         | -13.00         | 33.86          | 10.20          | -35.56       | 45.76       | Vertical     |
| 5              | 10634.2340     | -43.74         | -13.00         | 30.74          | 13.64          | -35.18       | 48.82       | Vertical     |
| 6              | 17248.8490     | -36.28         | -13.00         | 23.28          | 24.00          | -26.76       | 50.76       | Vertical     |

CA\_2A\_5A Middle 20M QPSK RB 1 0 1-18G V





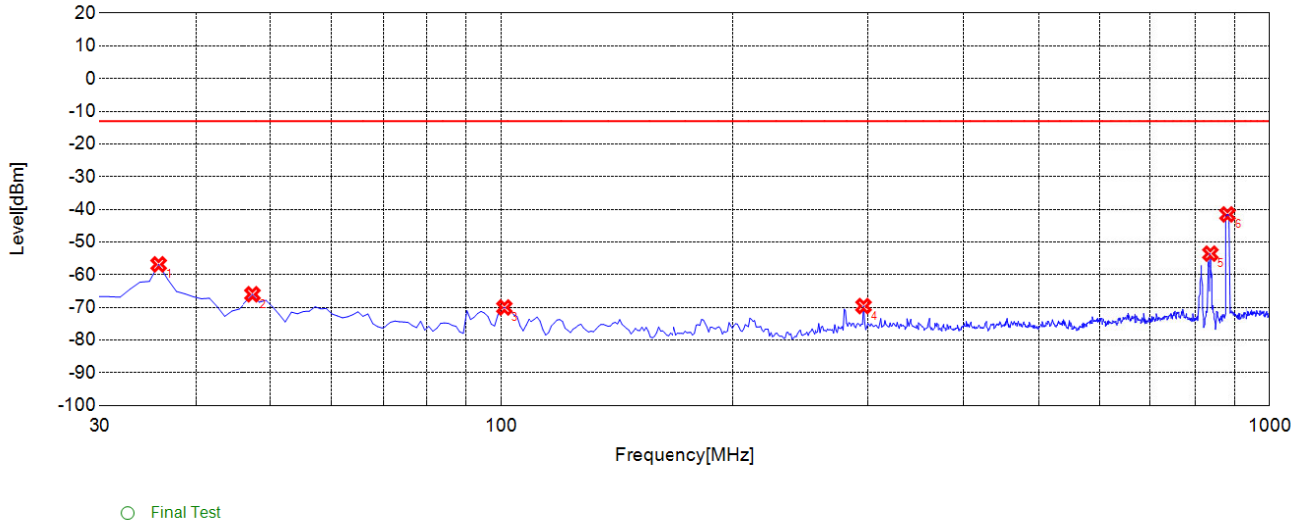
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 39.7100        | -58.49         | -13.00         | 45.49          | -7.19          | -39.54       | 32.35       | Horizontal   |
| 2              | 47.4770        | -59.55         | -13.00         | 46.55          | -7.02          | -39.48       | 32.46       | Horizontal   |
| 3              | 199.9200       | -71.02         | -13.00         | 58.02          | -14.94         | -37.84       | 22.90       | Horizontal   |
| 4              | 436.8370       | -75.05         | -13.00         | 62.05          | -8.98          | -35.57       | 26.59       | Horizontal   |
| 5              | 832.9930       | -44.11         | -13.00         | 31.11          | -2.70          | -34.14       | 31.44       | NA           |
| 6              | 880.5710       | -38.09         | -13.00         | 25.09          | -2.15          | -34.02       | 31.87       | NA           |

CA\_2A\_5A Middle 20M QPSK RB 1 0 30M-1G H

### Test Graph

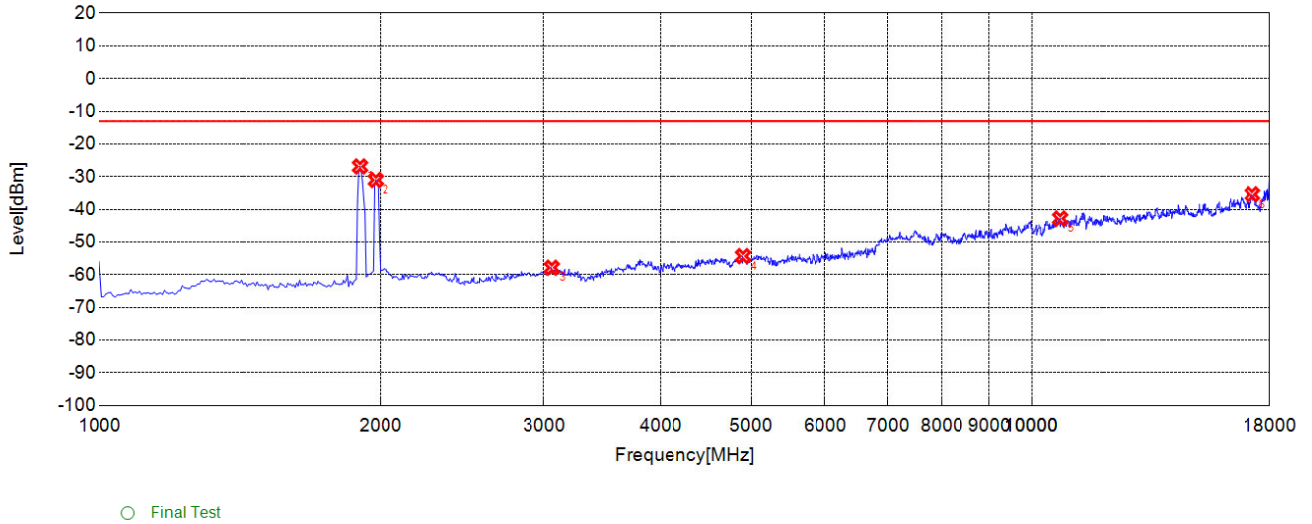


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -56.84         | -13.00         | 43.84          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 47.4770        | -65.99         | -13.00         | 52.99          | -15.49         | -39.48       | 23.99       | Vertical     |
| 3              | 100.8810       | -70.03         | -13.00         | 57.03          | -12.75         | -38.70       | 25.95       | Vertical     |
| 4              | 296.0460       | -69.6          | -13.00         | 56.60          | -12.04         | -36.97       | 24.93       | Vertical     |
| 5              | 836.8770       | -53.55         | -13.00         | 40.55          | -2.70          | -34.13       | 31.43       | NA           |
| 6              | 880.5710       | -41.56         | -13.00         | 28.56          | -1.56          | -34.02       | 32.46       | NA           |

CA\_2A\_5A Middle 20M QPSK RB 1 0 30M-1G V



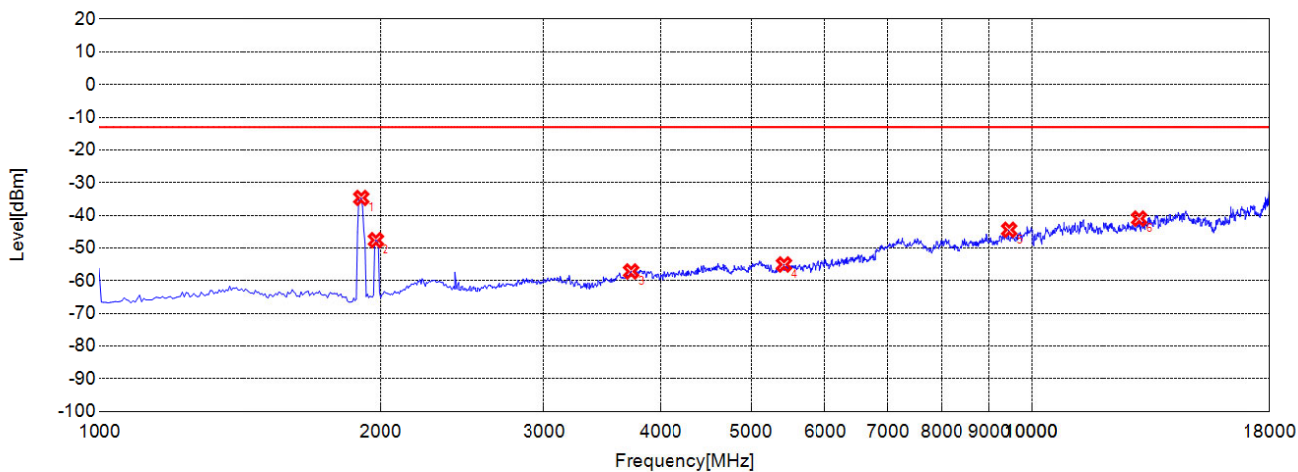
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1899.9000      | -26.89         | -13.00         | 13.89          | -6.11          | -46.74       | 40.63       | NA           |
| 2              | 1975.3750      | -31.03         | -13.00         | 18.03          | -4.66          | -46.35       | 41.69       | NA           |
| 3              | 3061.0610      | -57.87         | -13.00         | 44.87          | -8.46          | -47.36       | 38.90       | Horizontal   |
| 4              | 4901.5020      | -54.32         | -13.00         | 41.32          | -2.86          | -43.92       | 41.06       | Horizontal   |
| 5              | 10723.9240     | -42.83         | -13.00         | 29.83          | 13.95          | -34.78       | 48.73       | Horizontal   |
| 6              | 17248.8490     | -35.41         | -13.00         | 22.41          | 24.91          | -26.76       | 51.67       | Horizontal   |

CA\_2A\_5A High 20M QPSK RB 1 0 1-18G H

### Test Graph

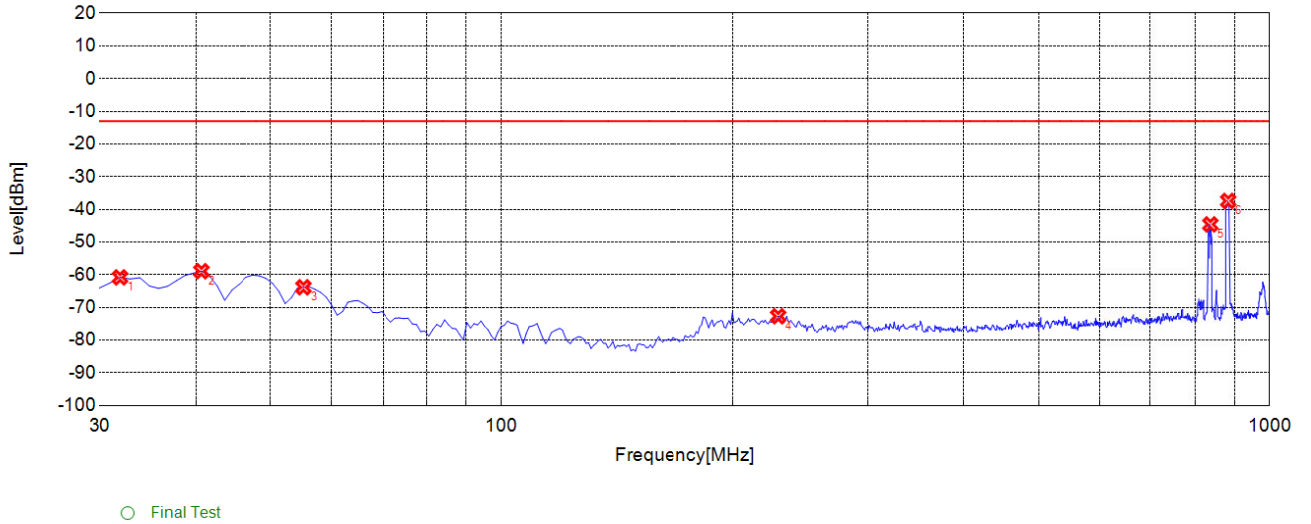


○ Final Test

| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1905.7060      | -34.69         | -13.00         | 21.69          | -11.19         | -46.70       | 35.51       | NA           |
| 2              | 1975.3750      | -47.61         | -13.00         | 34.61          | -10.27         | -46.35       | 36.08       | NA           |
| 3              | 3717.1170      | -57.17         | -13.00         | 44.17          | -7.89          | -46.96       | 39.07       | Vertical     |
| 4              | 5418.2180      | -55.05         | -13.00         | 42.05          | -2.52          | -42.99       | 40.47       | Vertical     |
| 5              | 9457.0570      | -44.43         | -13.00         | 31.43          | 11.21          | -37.48       | 48.69       | Vertical     |
| 6              | 13055.8560     | -41.01         | -13.00         | 28.01          | 19.36          | -29.92       | 49.28       | Vertical     |

CA\_2A\_5A High 20M QPSK RB 1 0 1-18G V

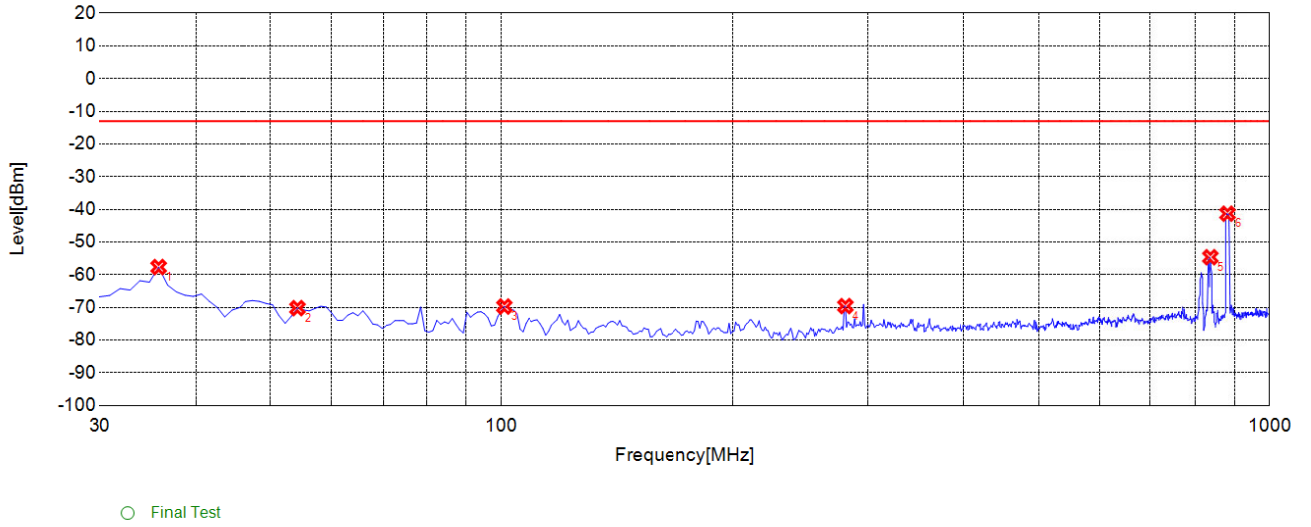
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 31.9420        | -60.82         | -13.00         | 47.82          | -10.68         | -39.60       | 28.92       | Horizontal   |
| 2              | 40.6810        | -58.93         | -13.00         | 45.93          | -7.05          | -39.53       | 32.48       | Horizontal   |
| 3              | 55.2450        | -63.85         | -13.00         | 50.85          | -9.07          | -39.47       | 30.40       | Horizontal   |
| 4              | 229.0490       | -72.71         | -13.00         | 59.71          | -10.79         | -37.53       | 26.74       | Horizontal   |
| 5              | 836.8770       | -44.61         | -13.00         | 31.61          | -2.58          | -34.13       | 31.55       | NA           |
| 6              | 882.5130       | -37.42         | -13.00         | 24.42          | -2.12          | -34.01       | 31.89       | NA           |

CA\_2A\_5A High 20M QPSK RB 1 0 30M-1G H

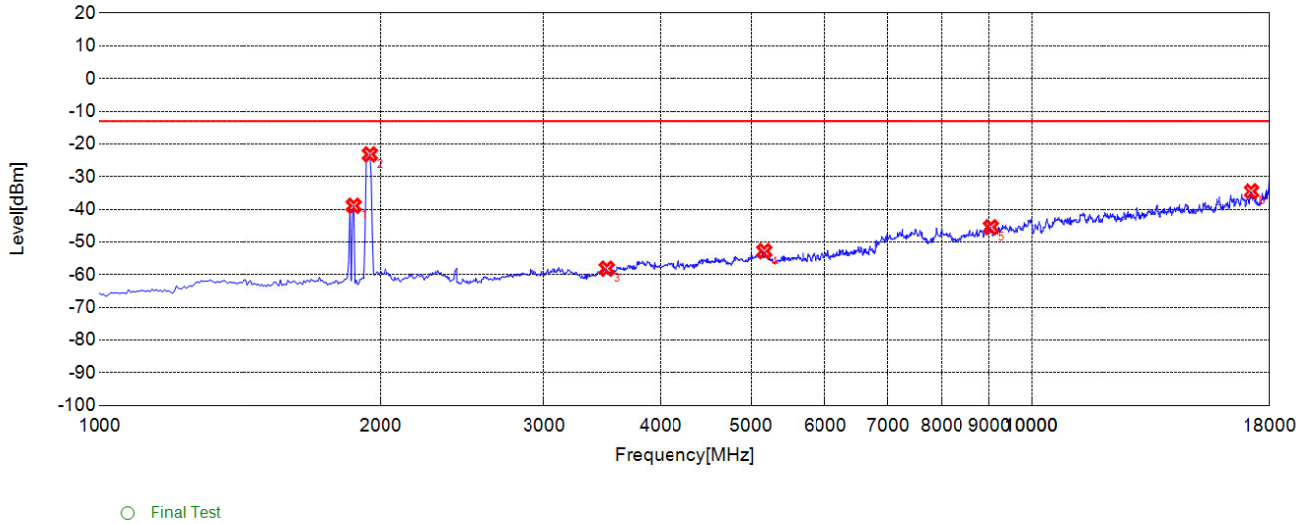
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -57.67         | -13.00         | 44.67          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 54.2740        | -70.23         | -13.00         | 57.23          | -16.54         | -39.47       | 22.93       | Vertical     |
| 3              | 100.8810       | -69.74         | -13.00         | 56.74          | -12.75         | -38.70       | 25.95       | Vertical     |
| 4              | 280.5110       | -69.61         | -13.00         | 56.61          | -12.48         | -37.03       | 24.55       | Vertical     |
| 5              | 836.8770       | -54.65         | -13.00         | 41.65          | -2.70          | -34.13       | 31.43       | NA           |
| 6              | 880.5710       | -41.34         | -13.00         | 28.34          | -1.56          | -34.02       | 32.46       | NA           |

CA\_2A\_5A High 20M QPSK RB 1 0 30M-1G V

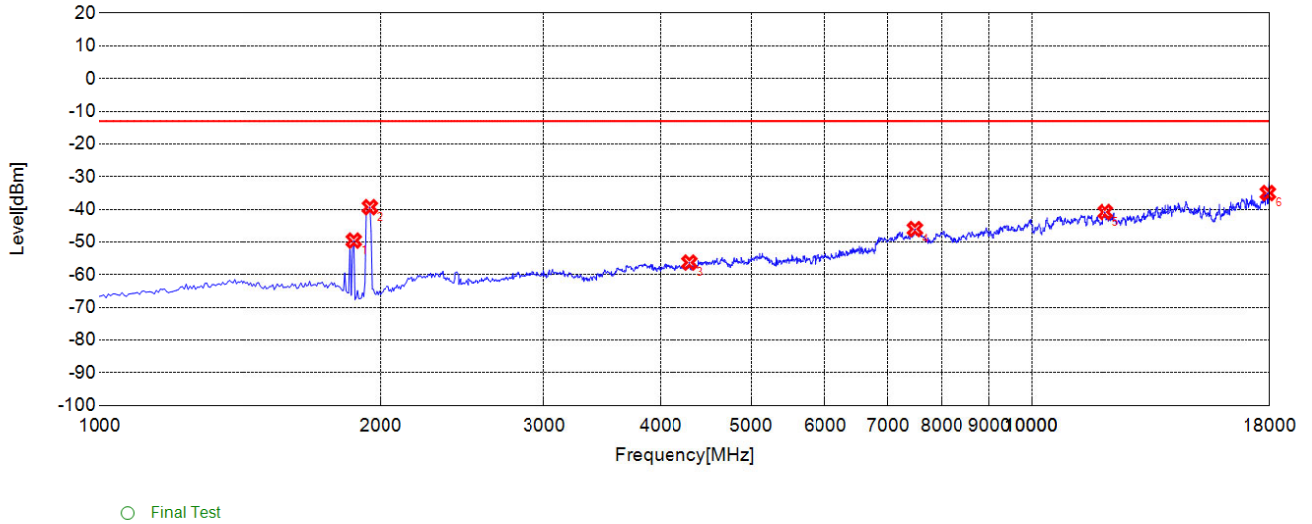
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1870.8710      | -38.91         | -13.00         | 25.91          | -6.81          | -46.69       | 39.88       | NA           |
| 2              | 1946.3460      | -23.19         | -13.00         | 10.19          | -5.17          | -46.45       | 41.28       | NA           |
| 3              | 3502.3020      | -58.15         | -13.00         | 45.15          | -8.36          | -47.40       | 39.04       | Horizontal   |
| 4              | 5162.7630      | -52.79         | -13.00         | 39.79          | -2.35          | -43.65       | 41.30       | Horizontal   |
| 5              | 9042.2420      | -45.48         | -13.00         | 32.48          | 9.31           | -37.87       | 47.18       | Horizontal   |
| 6              | 17215.2150     | -34.49         | -13.00         | 21.49          | 24.64          | -27.06       | 51.70       | Horizontal   |

CA\_2A\_12A Low 20M QPSK RB 1 0 1-18G H

### Test Graph



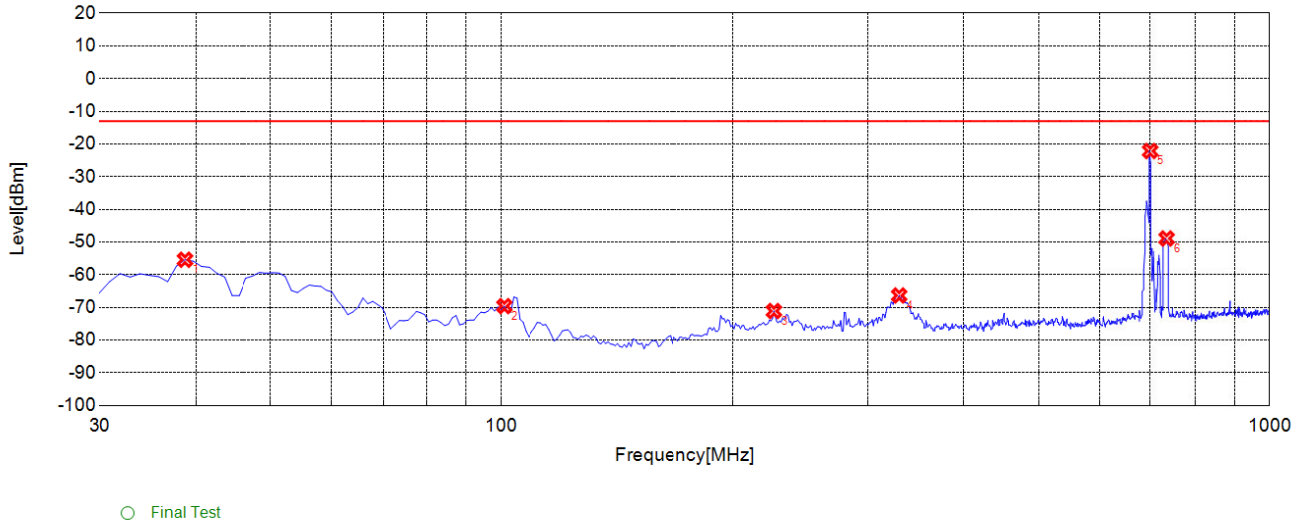
| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1870.8710      | -49.57         | -13.00         | 36.57          | -10.76         | -46.69       | 35.93       | NA           |
| 2              | 1946.3460      | -39.34         | -13.00         | 26.34          | -10.61         | -46.45       | 35.84       | NA           |
| 3              | 4297.6980      | -56.29         | -13.00         | 43.29          | -6.66          | -46.26       | 39.60       | Vertical     |
| 4              | 7483.8840      | -46.04         | -13.00         | 33.04          | 9.90           | -35.80       | 45.70       | Vertical     |
| 5              | 12002.0020     | -40.83         | -13.00         | 27.83          | 17.63          | -31.33       | 48.96       | Vertical     |
| 6              | 17932.7330     | -35.03         | -13.00         | 22.03          | 28.97          | -26.01       | 54.98       | Vertical     |

CA\_2A\_12A Low 20M QPSK RB 1 0 1-18G V





### Test Graph

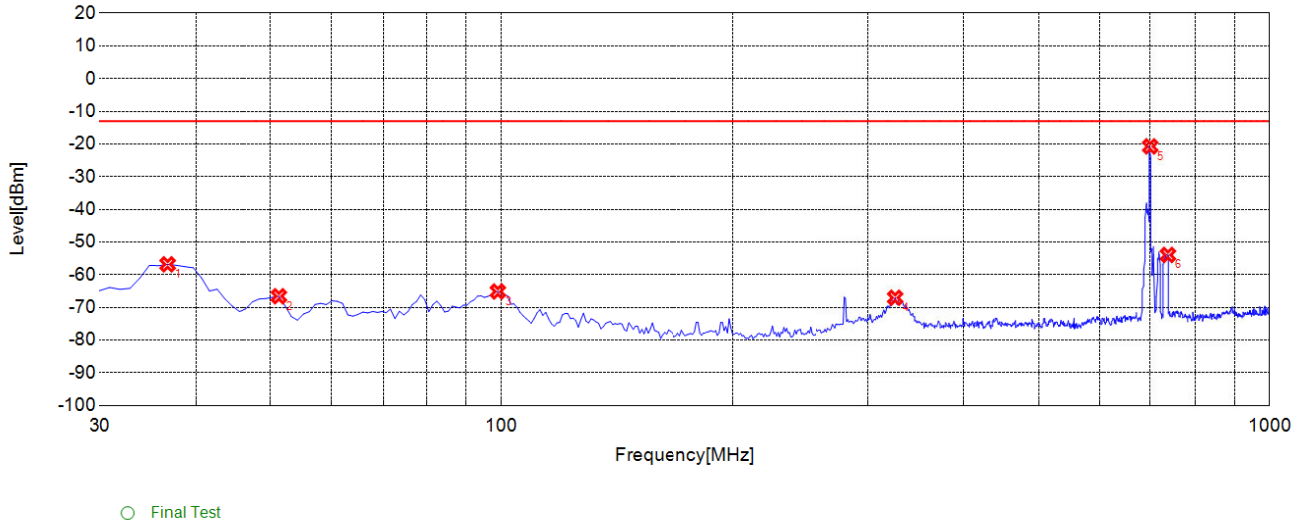


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 38.7390        | -55.43         | -13.00         | 42.43          | -7.63          | -39.55       | 31.92       | Horizontal   |
| 2              | 100.8810       | -69.61         | -13.00         | 56.61          | -17.42         | -38.70       | 21.28       | Horizontal   |
| 3              | 226.1360       | -71.11         | -13.00         | 58.11          | -11.27         | -37.54       | 26.27       | Horizontal   |
| 4              | 329.0590       | -66.35         | -13.00         | 53.35          | -12.40         | -37.04       | 24.64       | Horizontal   |
| 5              | 699.9700       | -22.17         | -13.00         | 9.17           | -4.56          | -34.38       | 29.82       | NA           |
| 6              | 734.9250       | -48.92         | -13.00         | 35.92          | -3.36          | -34.25       | 30.89       | NA           |

CA\_2A\_12A Low 20M QPSK RB 1 0 30M-1G H



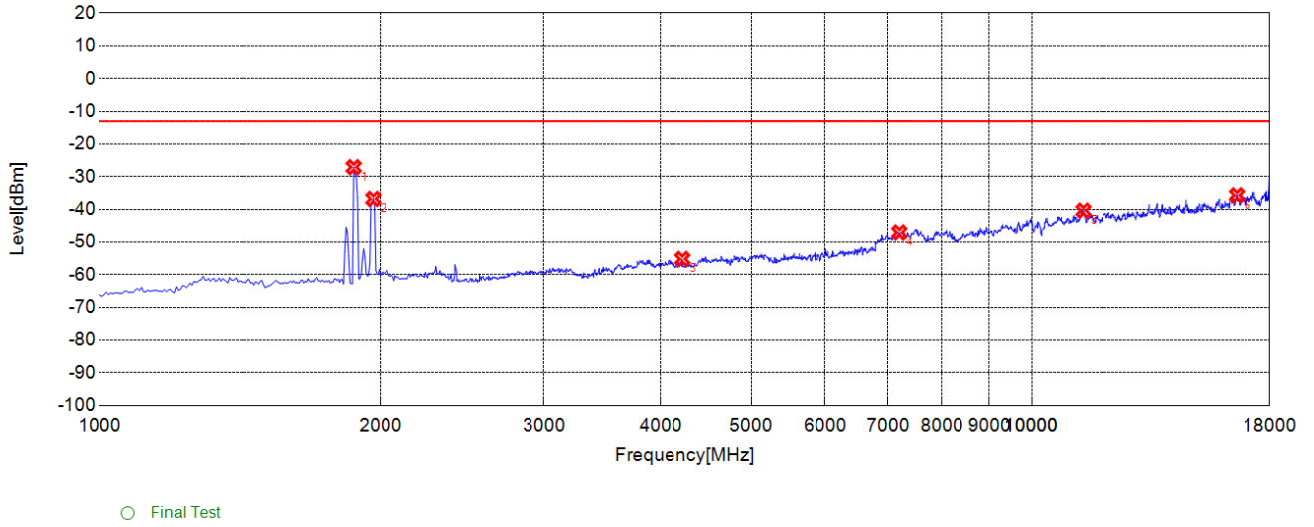
# Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 36.7970        | -56.83         | -13.00         | 43.83          | -16.55         | -39.57       | 23.02       | Vertical     |
| 2              | 51.3610        | -66.59         | -13.00         | 53.59          | -15.63         | -39.46       | 23.83       | Vertical     |
| 3              | 98.9390        | -65.14         | -13.00         | 52.14          | -12.86         | -38.70       | 25.84       | Vertical     |
| 4              | 325.1750       | -67.05         | -13.00         | 54.05          | -11.29         | -37.02       | 25.73       | Vertical     |
| 5              | 699.9700       | -20.75         | -13.00         | 7.75           | -4.45          | -34.38       | 29.93       | NA           |
| 6              | 737.8380       | -53.96         | -13.00         | 40.96          | -3.28          | -34.24       | 30.96       | NA           |

CA\_2A\_12A Low 20M QPSK RB 1 0 30M-1G V

### Test Graph

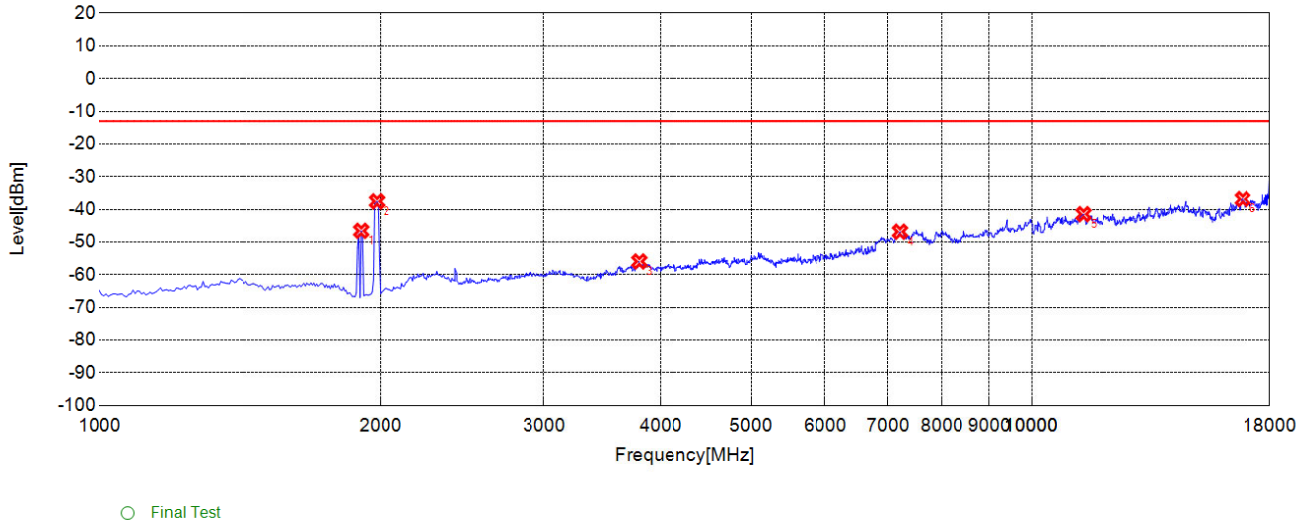


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1870.8710      | -27.1          | -13.00         | 14.10          | -6.81          | -46.69       | 39.88       | NA           |
| 2              | 1963.7640      | -36.82         | -13.00         | 23.82          | -4.86          | -46.39       | 41.53       | NA           |
| 3              | 4222.2220      | -55.18         | -13.00         | 42.18          | -6.87          | -46.58       | 39.71       | Horizontal   |
| 4              | 7203.6040      | -47.09         | -13.00         | 34.09          | 8.33           | -36.90       | 45.23       | Horizontal   |
| 5              | 11362.9630     | -40.41         | -13.00         | 27.41          | 15.89          | -33.37       | 49.26       | Horizontal   |
| 6              | 16598.5990     | -35.73         | -13.00         | 22.73          | 23.72          | -27.94       | 51.66       | Horizontal   |

CA\_2A\_12A High 20M QPSK RB 1 0 1-18G H



### Test Graph

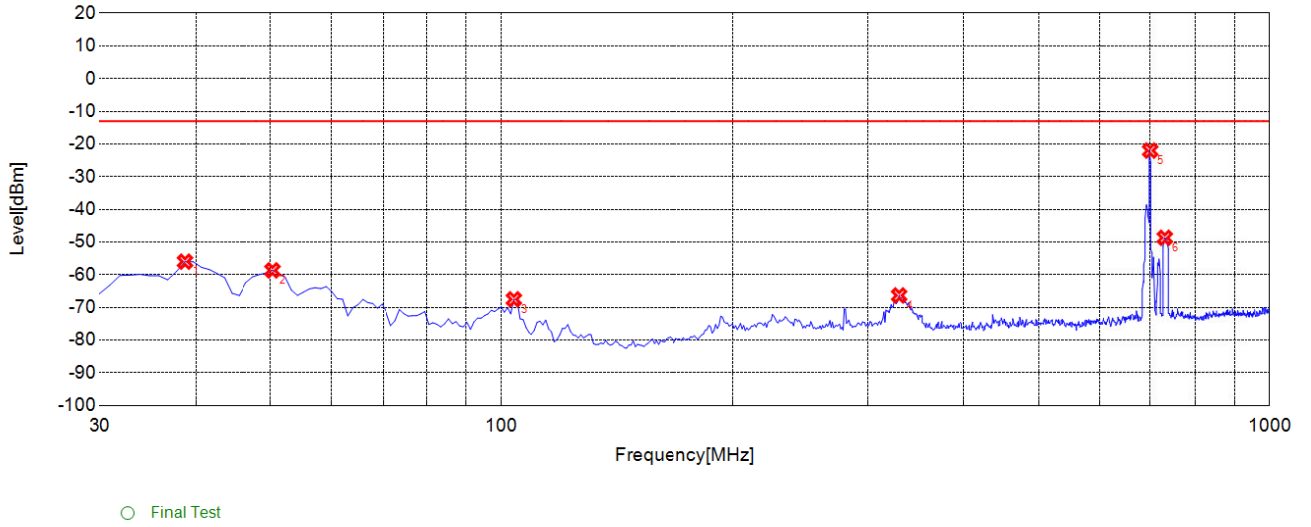


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1905.7060      | -46.58         | -13.00         | 33.58          | -11.19         | -46.70       | 35.51       | NA           |
| 2              | 1981.1810      | -37.56         | -13.00         | 24.56          | -10.20         | -46.33       | 36.13       | NA           |
| 3              | 3792.5930      | -55.95         | -13.00         | 42.95          | -7.14          | -46.20       | 39.06       | Vertical     |
| 4              | 7214.8150      | -46.85         | -13.00         | 33.85          | 8.62           | -36.91       | 45.53       | Vertical     |
| 5              | 11362.9630     | -41.47         | -13.00         | 28.47          | 15.80          | -33.37       | 49.17       | Vertical     |
| 6              | 16834.0340     | -36.86         | -13.00         | 23.86          | 24.56          | -26.62       | 51.18       | Vertical     |

CA\_2A\_12A High 20M QPSK RB 1 0 1-18G V



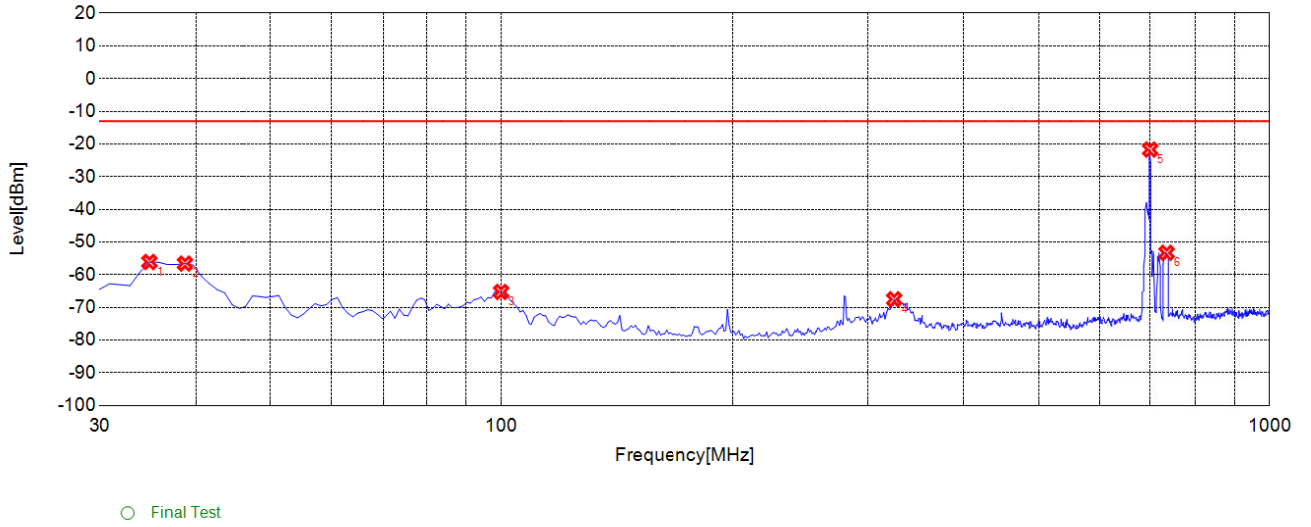
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 38.7390        | -56.01         | -13.00         | 43.01          | -7.63          | -39.55       | 31.92       | Horizontal   |
| 2              | 50.3900        | -58.68         | -13.00         | 45.68          | -7.16          | -39.46       | 32.30       | Horizontal   |
| 3              | 103.7940       | -67.53         | -13.00         | 54.53          | -17.50         | -38.70       | 21.20       | Horizontal   |
| 4              | 329.0590       | -66.34         | -13.00         | 53.34          | -12.40         | -37.04       | 24.64       | Horizontal   |
| 5              | 699.9700       | -22.03         | -13.00         | 9.03           | -4.56          | -34.38       | 29.82       | NA           |
| 6              | 731.0410       | -48.71         | -13.00         | 35.71          | -3.46          | -34.27       | 30.81       | NA           |

CA\_2A\_12A High 20M QPSK RB 1 0 30M-1G H

### Test Graph

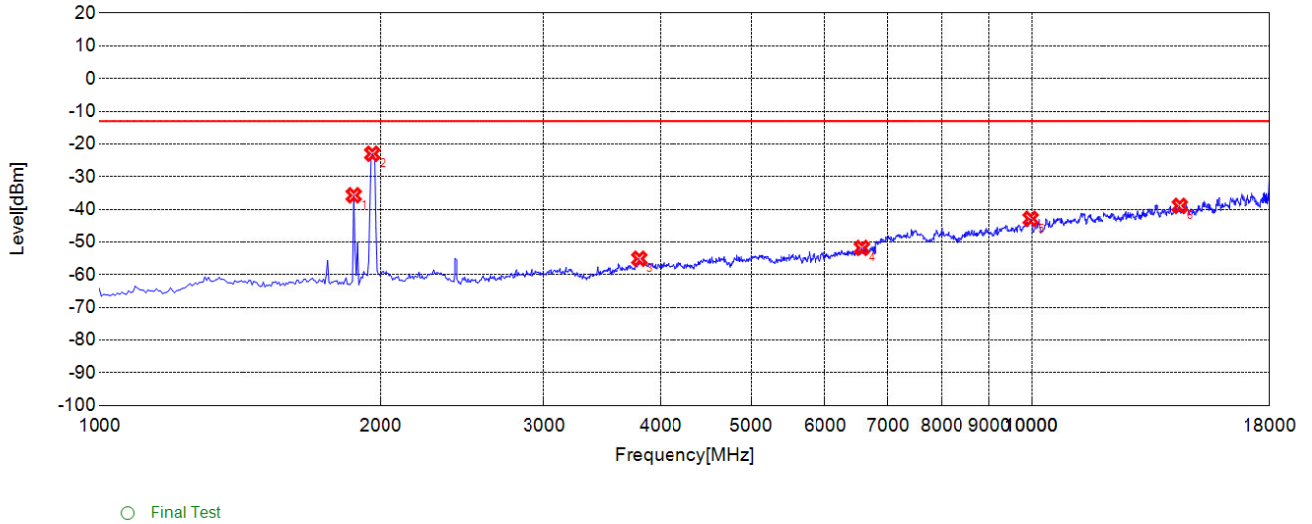


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 34.8550        | -56.11         | -13.00         | 43.11          | -16.68         | -39.58       | 22.90       | Vertical     |
| 2              | 38.7390        | -56.61         | -13.00         | 43.61          | -16.41         | -39.55       | 23.14       | Vertical     |
| 3              | 99.9100        | -65.27         | -13.00         | 52.27          | -12.46         | -38.70       | 26.24       | Vertical     |
| 4              | 324.2040       | -67.53         | -13.00         | 54.53          | -11.34         | -37.02       | 25.68       | Vertical     |
| 5              | 699.9700       | -21.72         | -13.00         | 8.72           | -4.45          | -34.38       | 29.93       | NA           |
| 6              | 734.9250       | -53.31         | -13.00         | 40.31          | -3.35          | -34.25       | 30.90       | NA           |

CA\_2A\_12A High 20M QPSK RB 1 0 30M-1G V



### Test Graph

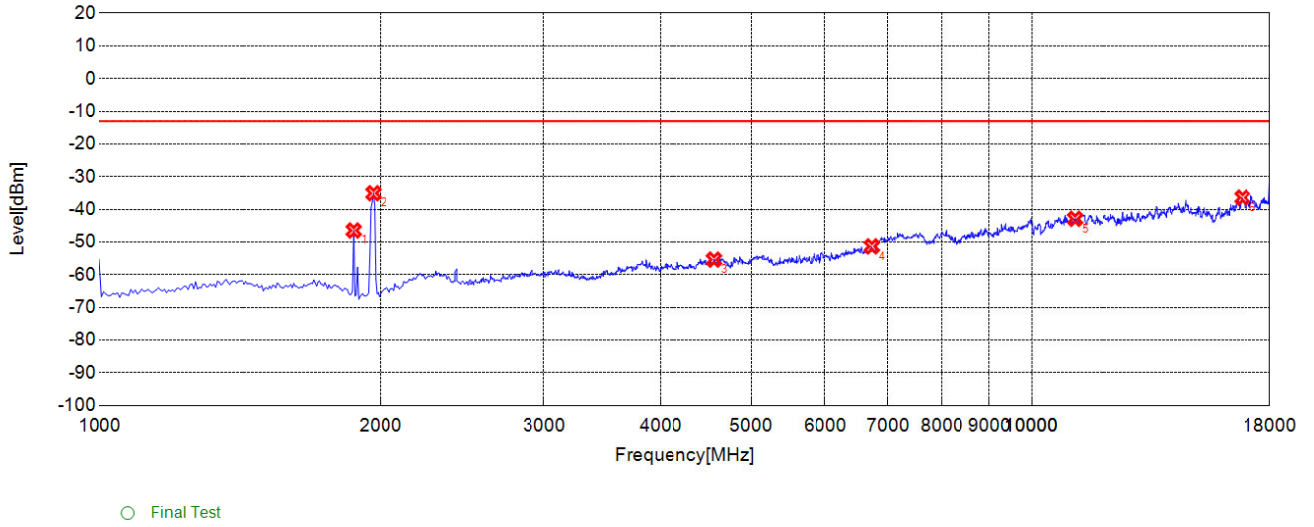


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1870.8710      | -35.71         | -13.00         | 22.71          | -6.81          | -46.69       | 39.88       | NA           |
| 2              | 1957.9580      | -23            | -13.00         | 10.00          | -4.95          | -46.40       | 41.45       | NA           |
| 3              | 3792.5930      | -55.12         | -13.00         | 42.12          | -6.75          | -46.20       | 39.45       | Horizontal   |
| 4              | 6573.5740      | -51.81         | -13.00         | 38.81          | 1.42           | -41.93       | 43.35       | Horizontal   |
| 5              | 9972.7730      | -42.9          | -13.00         | 29.90          | 13.78          | -34.60       | 48.38       | Horizontal   |
| 6              | 14423.6240     | -38.94         | -13.00         | 25.94          | 21.87          | -27.98       | 49.85       | Horizontal   |

CA\_2A\_12A Mid 20M QPSK RB 1 0 1-18G H



### Test Graph

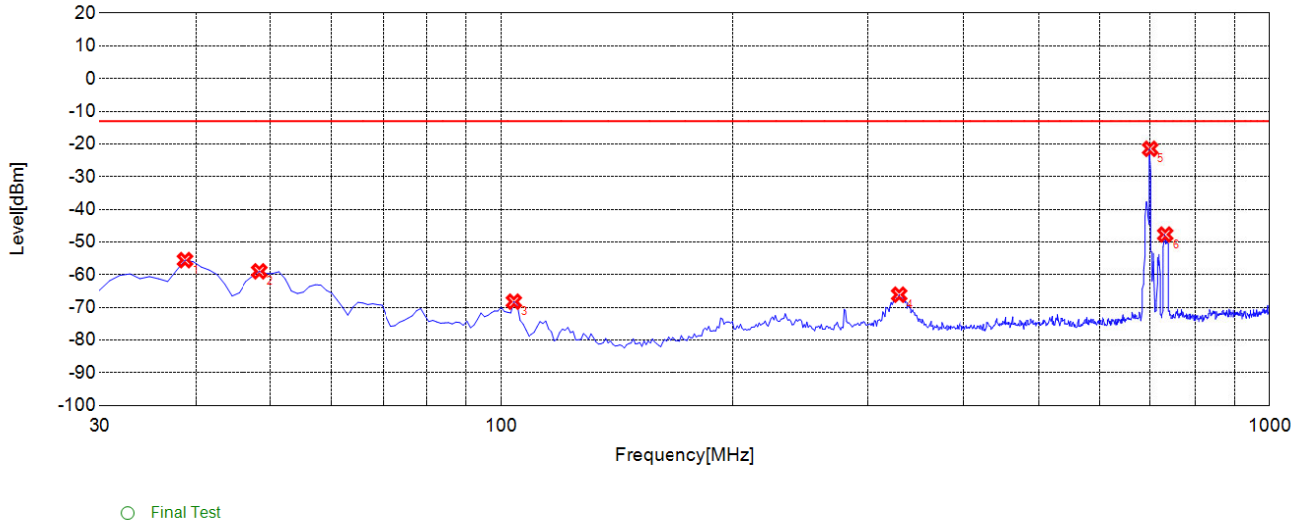


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1870.8710      | -46.48         | -13.00         | 33.48          | -10.76         | -46.69       | 35.93       | NA           |
| 2              | 1963.7640      | -35.08         | -13.00         | 22.08          | -10.41         | -46.39       | 35.98       | NA           |
| 3              | 4564.7650      | -55.39         | -13.00         | 42.39          | -5.26          | -45.39       | 40.13       | Vertical     |
| 4              | 6736.1360      | -51.34         | -13.00         | 38.34          | 1.83           | -41.14       | 42.97       | Vertical     |
| 5              | 11127.5280     | -42.9          | -13.00         | 29.90          | 14.31          | -34.69       | 49.00       | Vertical     |
| 6              | 16822.8230     | -36.4          | -13.00         | 23.40          | 24.57          | -26.51       | 51.08       | Vertical     |

CA\_2A\_12A Mid 20M QPSK RB 1 0 1-18G V



### Test Graph

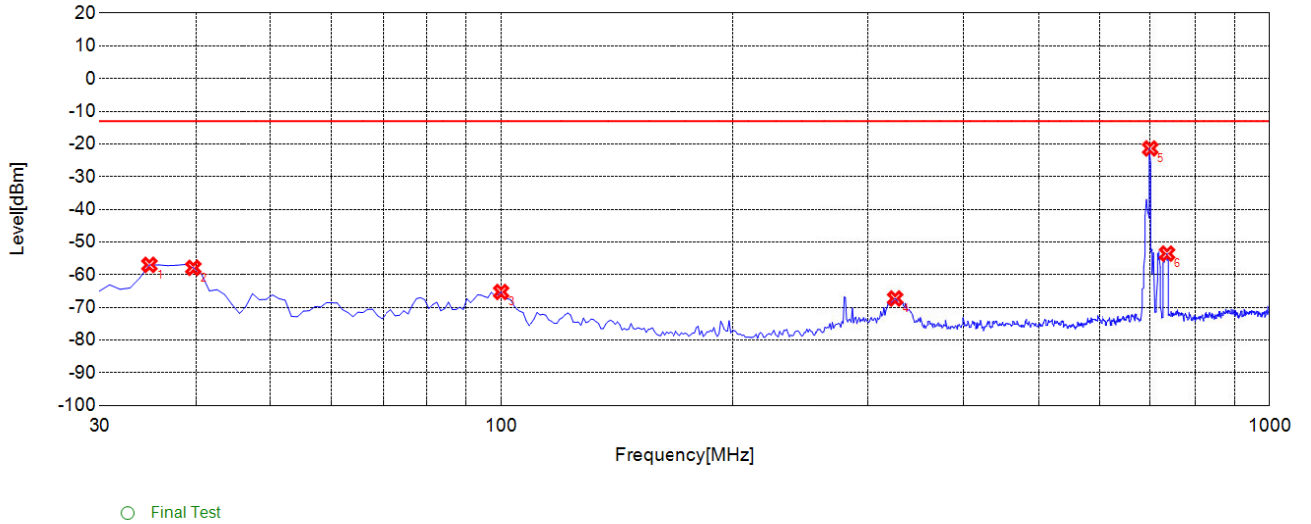


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 38.7390        | -55.55         | -13.00         | 42.55          | -7.63          | -39.55       | 31.92       | Horizontal   |
| 2              | 48.4480        | -58.97         | -13.00         | 45.97          | -7.02          | -39.47       | 32.45       | Horizontal   |
| 3              | 103.7940       | -68.25         | -13.00         | 55.25          | -17.50         | -38.70       | 21.20       | Horizontal   |
| 4              | 329.0590       | -66.12         | -13.00         | 53.12          | -12.40         | -37.04       | 24.64       | Horizontal   |
| 5              | 699.9700       | -21.48         | -13.00         | 8.48           | -4.56          | -34.38       | 29.82       | NA           |
| 6              | 732.0120       | -47.71         | -13.00         | 34.71          | -3.43          | -34.26       | 30.83       | NA           |

CA\_2A\_12A Mid 20M QPSK RB 1 0 30M-1G H



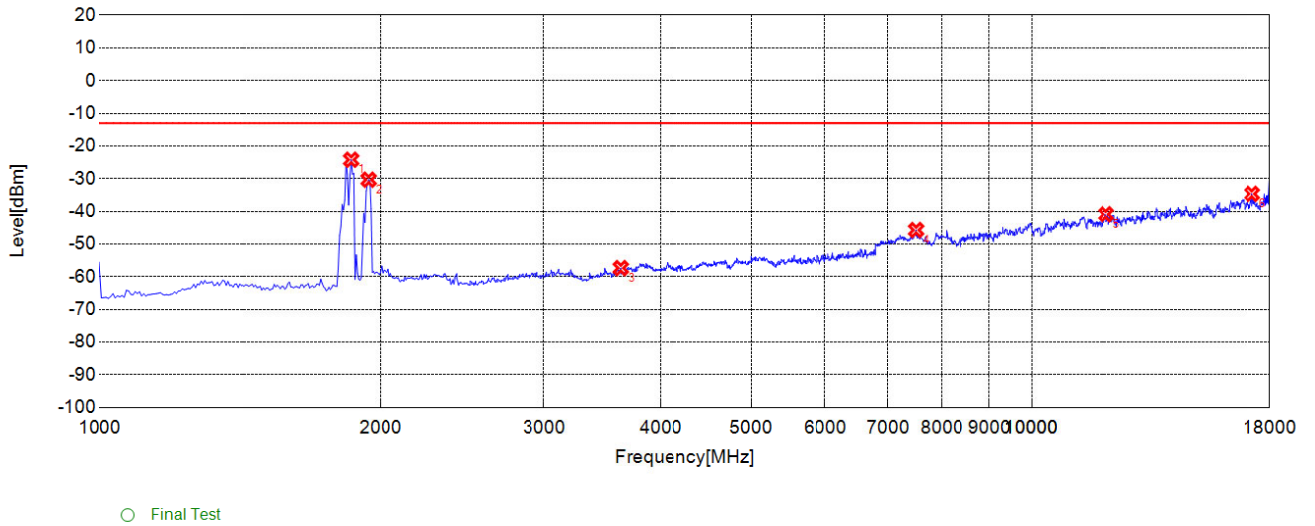
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 34.8550        | -56.99         | -13.00         | 43.99          | -16.68         | -39.58       | 22.90       | Vertical     |
| 2              | 39.7100        | -57.9          | -13.00         | 44.90          | -16.34         | -39.54       | 23.20       | Vertical     |
| 3              | 99.9100        | -65.29         | -13.00         | 52.29          | -12.46         | -38.70       | 26.24       | Vertical     |
| 4              | 325.1750       | -67.28         | -13.00         | 54.28          | -11.29         | -37.02       | 25.73       | Vertical     |
| 5              | 699.9700       | -21.38         | -13.00         | 8.38           | -4.45          | -34.38       | 29.93       | NA           |
| 6              | 735.8960       | -53.55         | -13.00         | 40.55          | -3.33          | -34.25       | 30.92       | NA           |

CA\_2A\_12A Mid 20M QPSK RB 1 0 30M-1G V

### Test Graph

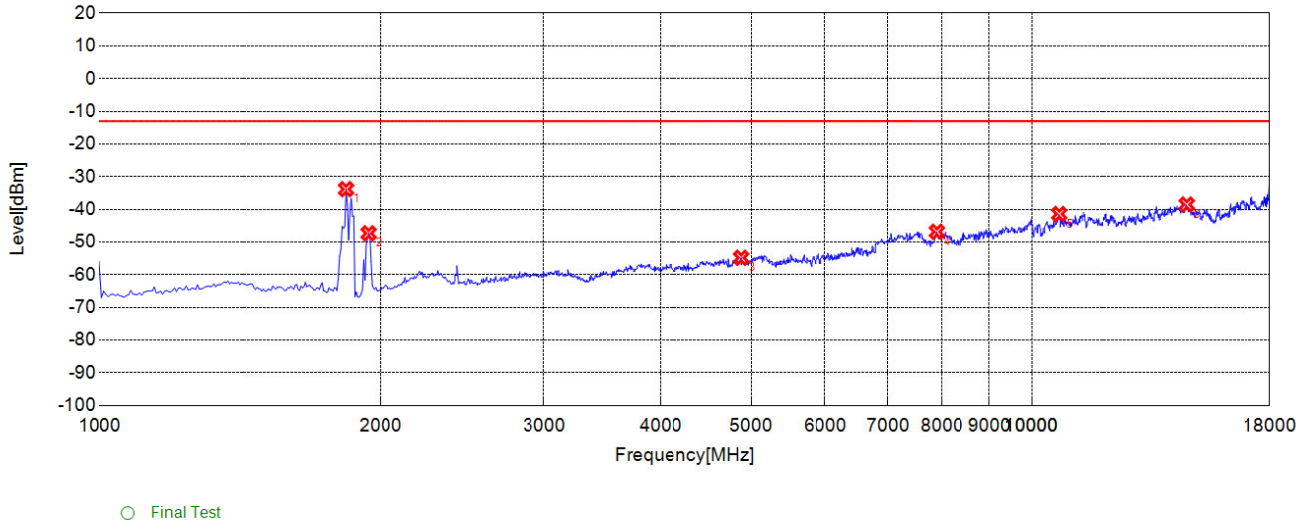


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1859.2590      | -24.22         | -13.00         | 11.22          | -7.09          | -46.67       | 39.58       | NA           |
| 2              | 1940.5410      | -30.33         | -13.00         | 17.33          | -5.29          | -46.49       | 41.20       | NA           |
| 3              | 3624.2240      | -57.37         | -13.00         | 44.37          | -7.87          | -47.12       | 39.25       | Horizontal   |
| 4              | 7506.3060      | -45.72         | -13.00         | 32.72          | 10.60          | -35.54       | 46.14       | Horizontal   |
| 5              | 12024.4240     | -40.9          | -13.00         | 27.90          | 18.08          | -31.29       | 49.37       | Horizontal   |
| 6              | 17237.6380     | -34.66         | -13.00         | 21.66          | 24.82          | -26.86       | 51.68       | Horizontal   |

CA\_2A\_13A Low 20M QPSK RB 1 0 1-18G H



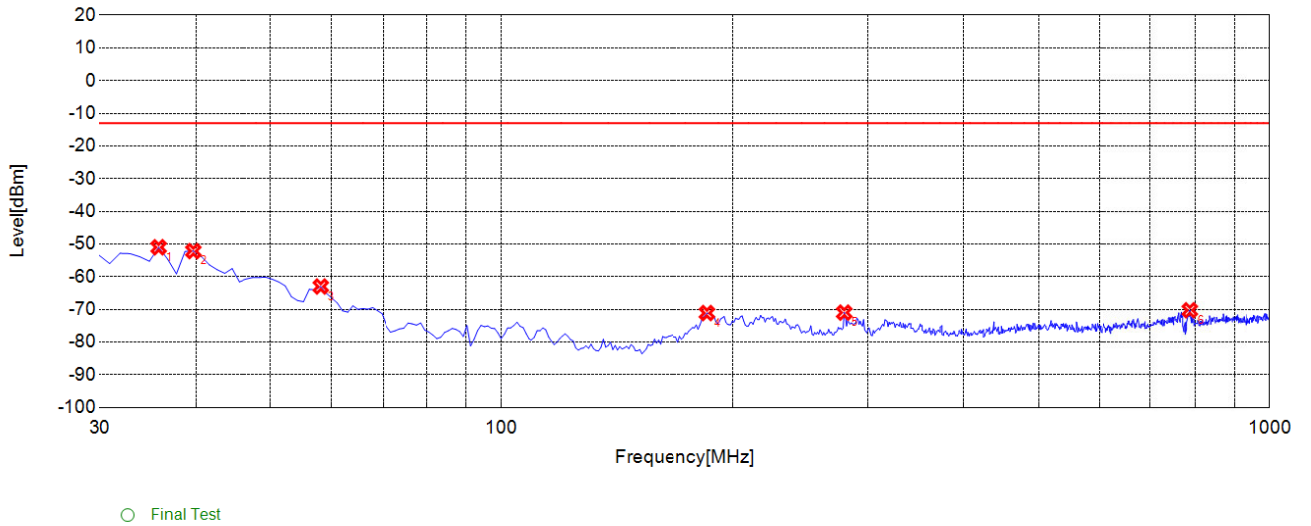
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1836.0360      | -33.83         | -13.00         | 20.83          | -10.08         | -46.57       | 36.49       | NA           |
| 2              | 1940.5410      | -47.34         | -13.00         | 34.34          | -10.70         | -46.49       | 35.79       | NA           |
| 3              | 4878.2780      | -54.83         | -13.00         | 41.83          | -3.34          | -44.01       | 40.67       | Vertical     |
| 4              | 7898.6990      | -46.87         | -13.00         | 33.87          | 10.31          | -34.87       | 45.18       | Vertical     |
| 5              | 10701.5020     | -41.43         | -13.00         | 28.43          | 14.20          | -34.38       | 48.58       | Vertical     |
| 6              | 14670.2700     | -38.53         | -13.00         | 25.53          | 22.96          | -27.54       | 50.50       | Vertical     |

CA\_2A\_13A Low 20M QPSK RB 1 0 1-18G V

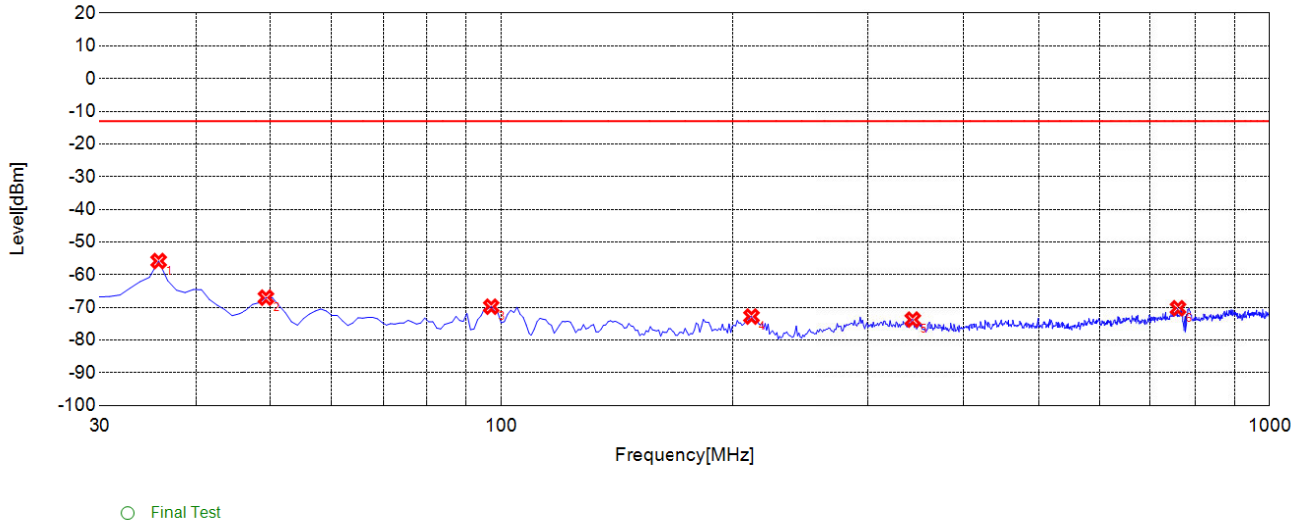
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -51            | -13.00         | 38.00          | -8.93          | -39.57       | 30.64       | Horizontal   |
| 2              | 39.7100        | -52.17         | -13.00         | 39.17          | -7.19          | -39.54       | 32.35       | Horizontal   |
| 3              | 58.1580        | -63            | -13.00         | 50.00          | -10.21         | -39.48       | 29.27       | Horizontal   |
| 4              | 185.3550       | -71.12         | -13.00         | 58.12          | -15.94         | -38.10       | 22.16       | Horizontal   |
| 5              | 279.5400       | -70.99         | -13.00         | 57.99          | -12.04         | -37.04       | 25.00       | Horizontal   |
| 6              | 787.3570       | -70.27         | -13.00         | 57.27          | -3.24          | -34.23       | 30.99       | Horizontal   |

CA\_2A\_13A Low 20M QPSK RB 1 0 30M-1G H

### Test Graph

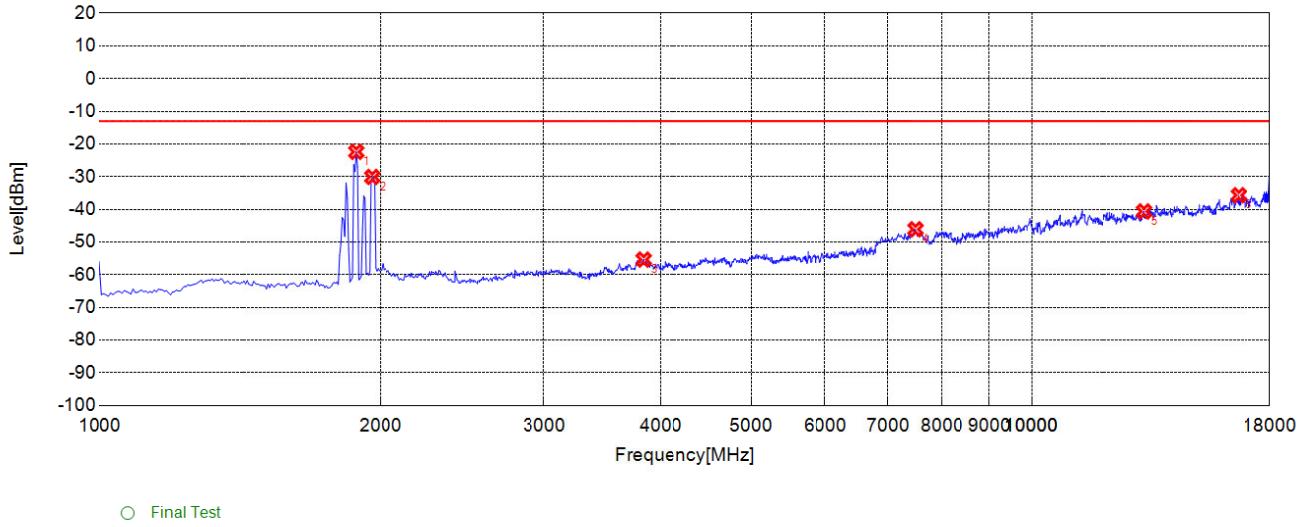


| Suspected List |             |             |             |             |             |           |          |           |
|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|-----------|
| NO.            | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Factor [dB] | Path [dB] | Air [dB] | Ant. Pol. |
| 1              | 35.8260     | -55.83      | -13.00      | 42.83       | -16.61      | -39.57    | 22.96    | Vertical  |
| 2              | 49.4190     | -67.02      | -13.00      | 54.02       | -15.27      | -39.46    | 24.19    | Vertical  |
| 3              | 96.9970     | -69.79      | -13.00      | 56.79       | -13.67      | -38.70    | 25.03    | Vertical  |
| 4              | 211.5720    | -72.81      | -13.00      | 59.81       | -16.60      | -37.57    | 20.97    | Vertical  |
| 5              | 342.6530    | -73.75      | -13.00      | 60.75       | -10.28      | -37.01    | 26.73    | Vertical  |
| 6              | 760.1700    | -70.26      | -13.00      | 57.26       | -2.30       | -34.21    | 31.91    | Vertical  |

CA\_2A\_13A Low 20M QPSK RB 1 0 30M-1G V



### Test Graph

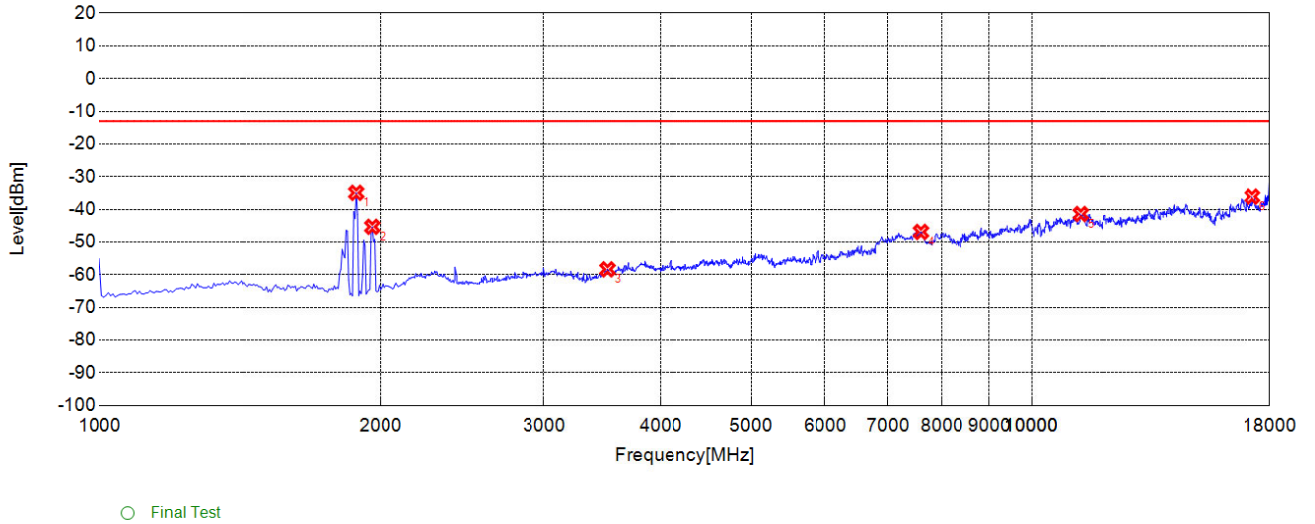


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1882.4820      | -22.41         | -13.00         | 9.41           | -6.53          | -46.71       | 40.18       | NA           |
| 2              | 1957.9580      | -30.09         | -13.00         | 17.09          | -4.95          | -46.40       | 41.45       | NA           |
| 3              | 3833.2330      | -55.38         | -13.00         | 42.38          | -7.12          | -46.71       | 39.59       | Horizontal   |
| 4              | 7495.0950      | -46.11         | -13.00         | 33.11          | 10.61          | -35.56       | 46.17       | Horizontal   |
| 5              | 13212.8130     | -40.64         | -13.00         | 27.64          | 20.39          | -29.21       | 49.60       | Horizontal   |
| 6              | 16665.8660     | -35.69         | -13.00         | 22.69          | 23.98          | -27.75       | 51.73       | Horizontal   |

CA\_2A\_13A Middle 20M QPSK RB 1 0 1-18G H



### Test Graph



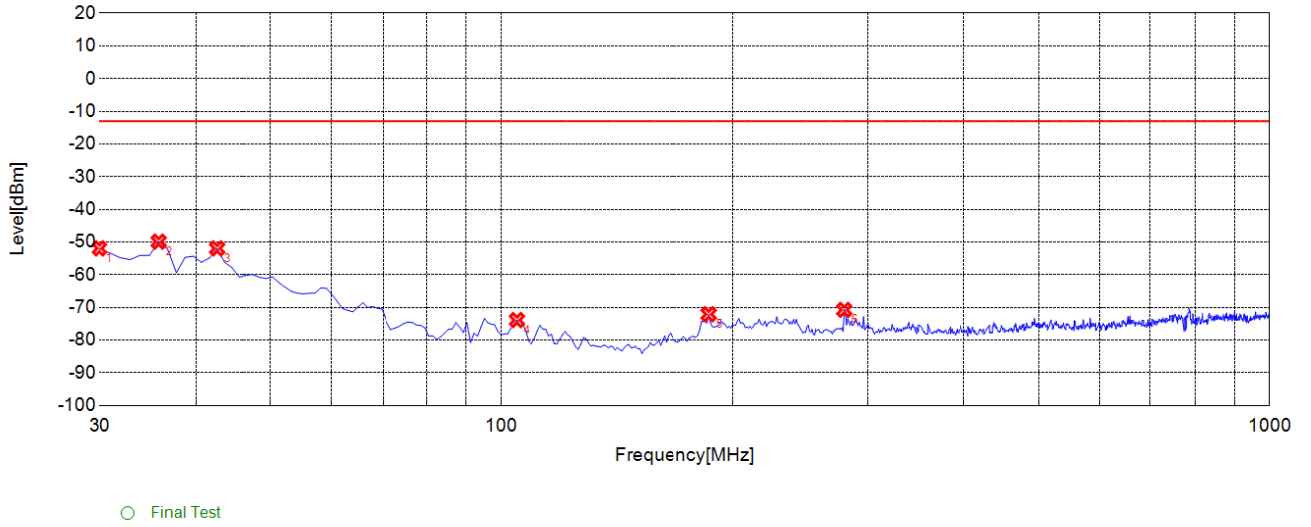
| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1882.4820      | -34.95         | -13.00         | 21.95          | -10.97         | -46.71       | 35.74       | NA           |
| 2              | 1957.9580      | -45.35         | -13.00         | 32.35          | -10.46         | -46.40       | 35.94       | NA           |
| 3              | 3508.1080      | -58.36         | -13.00         | 45.36          | -8.89          | -47.47       | 38.58       | Vertical     |
| 4              | 7595.9960      | -46.93         | -13.00         | 33.93          | 9.87           | -35.32       | 45.19       | Vertical     |
| 5              | 11284.4840     | -41.43         | -13.00         | 28.43          | 14.81          | -34.06       | 48.87       | Vertical     |
| 6              | 17248.8490     | -36.11         | -13.00         | 23.11          | 24.00          | -26.76       | 50.76       | Vertical     |

CA\_2A\_13A Middle 20M QPSK RB 1 0 1-18G V





### Test Graph

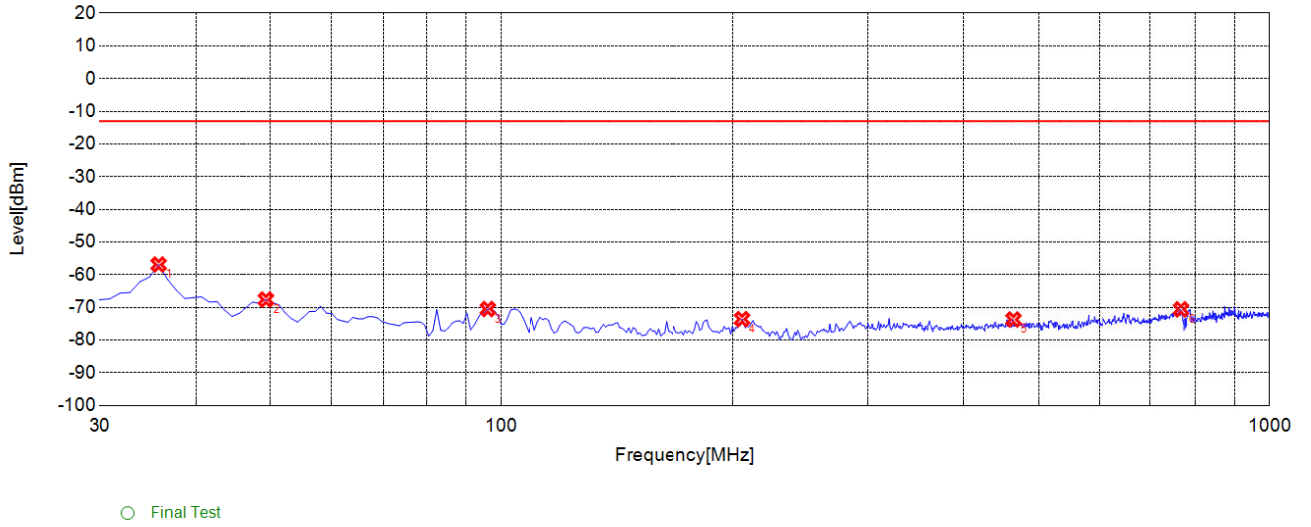


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 30.0000        | -51.94         | -13.00         | 38.94          | -11.56         | -39.62       | 28.06       | Horizontal   |
| 2              | 35.8260        | -49.88         | -13.00         | 36.88          | -8.93          | -39.57       | 30.64       | Horizontal   |
| 3              | 42.6230        | -51.95         | -13.00         | 38.95          | -7.05          | -39.52       | 32.47       | Horizontal   |
| 4              | 104.7650       | -73.88         | -13.00         | 60.88          | -17.53         | -38.70       | 21.17       | Horizontal   |
| 5              | 186.3260       | -72.1          | -13.00         | 59.10          | -15.70         | -38.10       | 22.40       | Horizontal   |
| 6              | 279.5400       | -70.76         | -13.00         | 57.76          | -12.04         | -37.04       | 25.00       | Horizontal   |

CA\_2A\_13A Middle 20M QPSK RB 1 0 30M-1G H



### Test Graph

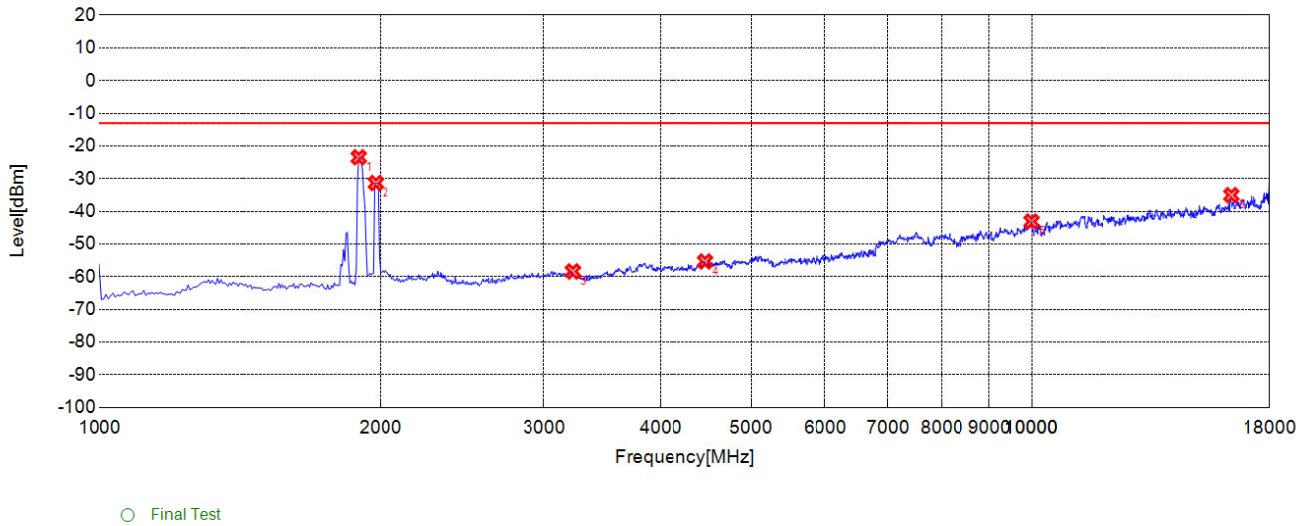


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -56.89         | -13.00         | 43.89          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 49.4190        | -67.59         | -13.00         | 54.59          | -15.27         | -39.46       | 24.19       | Vertical     |
| 3              | 96.0260        | -70.51         | -13.00         | 57.51          | -14.07         | -38.70       | 24.63       | Vertical     |
| 4              | 205.7460       | -73.59         | -13.00         | 60.59          | -16.44         | -37.68       | 21.24       | Vertical     |
| 5              | 464.0240       | -73.71         | -13.00         | 60.71          | -8.44          | -35.35       | 26.91       | Vertical     |
| 6              | 766.9670       | -70.6          | -13.00         | 57.60          | -2.58          | -34.21       | 31.63       | Vertical     |

CA\_2A\_13A Middle 20M QPSK RB 1 0 30M-1G V



### Test Graph

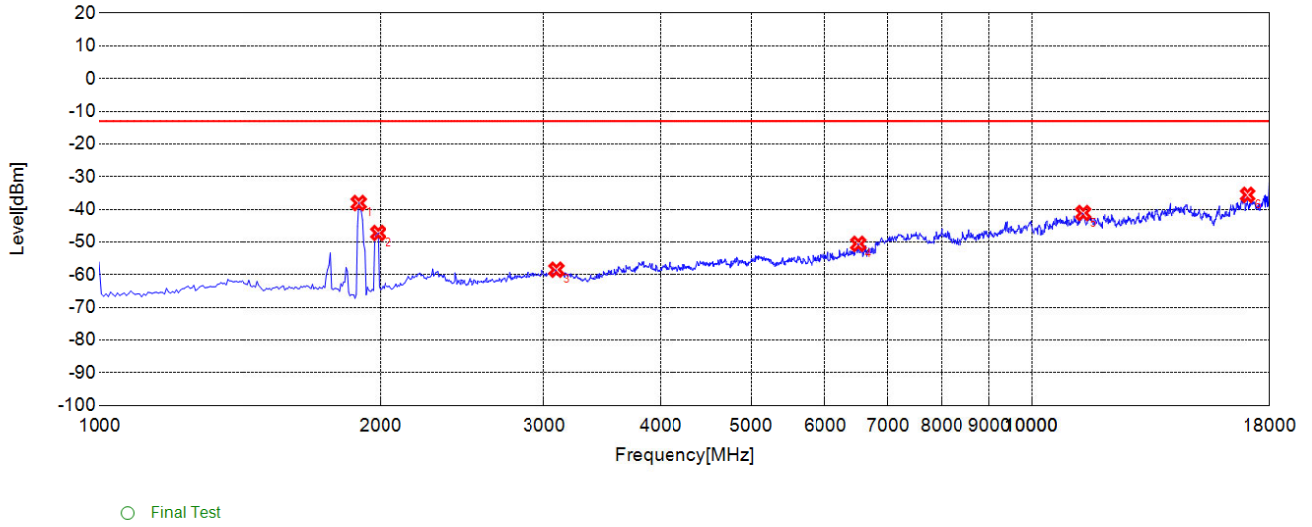


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1894.0940      | -23.47         | -13.00         | 10.47          | -6.25          | -46.73       | 40.48       | NA           |
| 2              | 1975.3750      | -31.36         | -13.00         | 18.36          | -4.66          | -46.35       | 41.69       | NA           |
| 3              | 3223.6240      | -58.4          | -13.00         | 45.40          | -8.68          | -47.70       | 39.02       | Horizontal   |
| 4              | 4466.0660      | -55.34         | -13.00         | 42.34          | -5.36          | -45.67       | 40.31       | Horizontal   |
| 5              | 9995.1950      | -43.11         | -13.00         | 30.11          | 14.12          | -34.28       | 48.40       | Horizontal   |
| 6              | 16363.1630     | -35.05         | -13.00         | 22.05          | 24.06          | -27.30       | 51.36       | Horizontal   |

CA\_2A\_13A High 20M QPSK RB 1 0 1-18G H



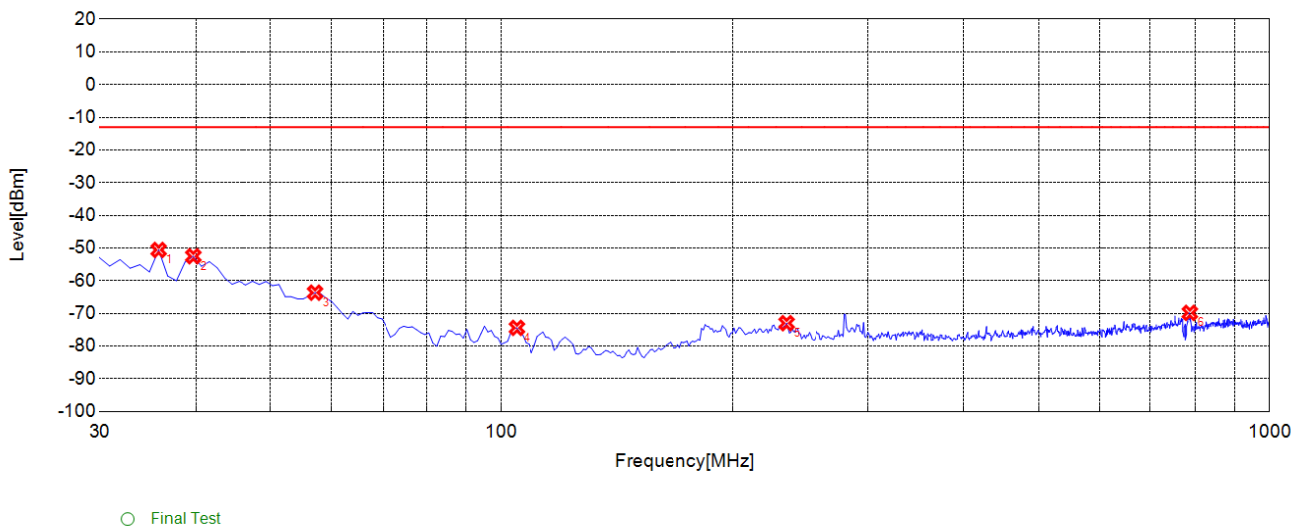
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1894.0940      | -38.07         | -13.00         | 25.07          | -11.17         | -46.73       | 35.56       | NA           |
| 2              | 1986.9870      | -47.24         | -13.00         | 34.24          | -10.14         | -46.31       | 36.17       | NA           |
| 3              | 3095.8960      | -58.48         | -13.00         | 45.48          | -8.54          | -47.11       | 38.57       | Vertical     |
| 4              | 6515.5160      | -50.57         | -13.00         | 37.57          | 1.59           | -42.09       | 43.68       | Vertical     |
| 5              | 11351.7520     | -41.14         | -13.00         | 28.14          | 15.73          | -33.39       | 49.12       | Vertical     |
| 6              | 17047.0470     | -35.58         | -13.00         | 22.58          | 23.44          | -27.60       | 51.04       | Vertical     |

CA\_2A\_13A High 20M QPSK RB 1 0 1-18G V

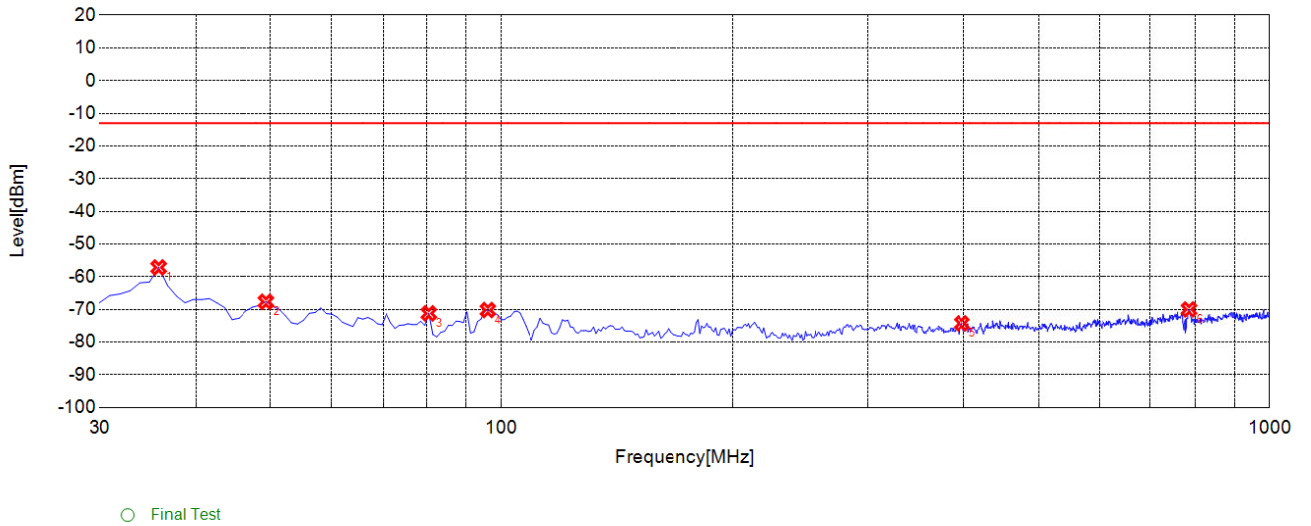
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -50.59         | -13.00         | 37.59          | -8.93          | -39.57       | 30.64       | Horizontal   |
| 2              | 39.7100        | -52.52         | -13.00         | 39.52          | -7.19          | -39.54       | 32.35       | Horizontal   |
| 3              | 57.1870        | -63.66         | -13.00         | 50.66          | -9.83          | -39.48       | 29.65       | Horizontal   |
| 4              | 104.7650       | -74.43         | -13.00         | 61.43          | -17.53         | -38.70       | 21.17       | Horizontal   |
| 5              | 234.8750       | -72.99         | -13.00         | 59.99          | -10.85         | -37.57       | 26.72       | Horizontal   |
| 6              | 787.3570       | -69.85         | -13.00         | 56.85          | -3.24          | -34.23       | 30.99       | Horizontal   |

CA\_2A\_13A High 20M QPSK RB 1 0 30M-1G H

### Test Graph

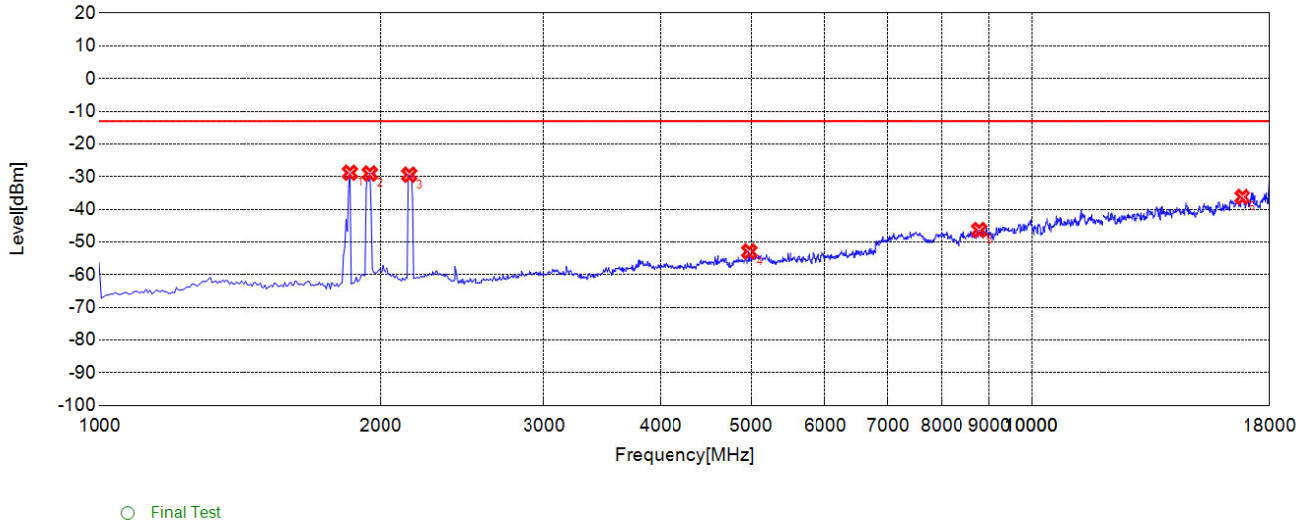


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -57.17         | -13.00         | 44.17          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 49.4190        | -67.67         | -13.00         | 54.67          | -15.27         | -39.46       | 24.19       | Vertical     |
| 3              | 80.4900        | -71.22         | -13.00         | 58.22          | -20.14         | -39.09       | 18.95       | Vertical     |
| 4              | 96.0260        | -70.21         | -13.00         | 57.21          | -14.07         | -38.70       | 24.63       | Vertical     |
| 5              | 397.0270       | -74.29         | -13.00         | 61.29          | -9.66          | -36.31       | 26.65       | Vertical     |
| 6              | 785.4150       | -70.01         | -13.00         | 57.01          | -3.37          | -34.23       | 30.86       | Vertical     |

CA\_2A\_13A High 20M QPSK RB 1 0 30M-1G V



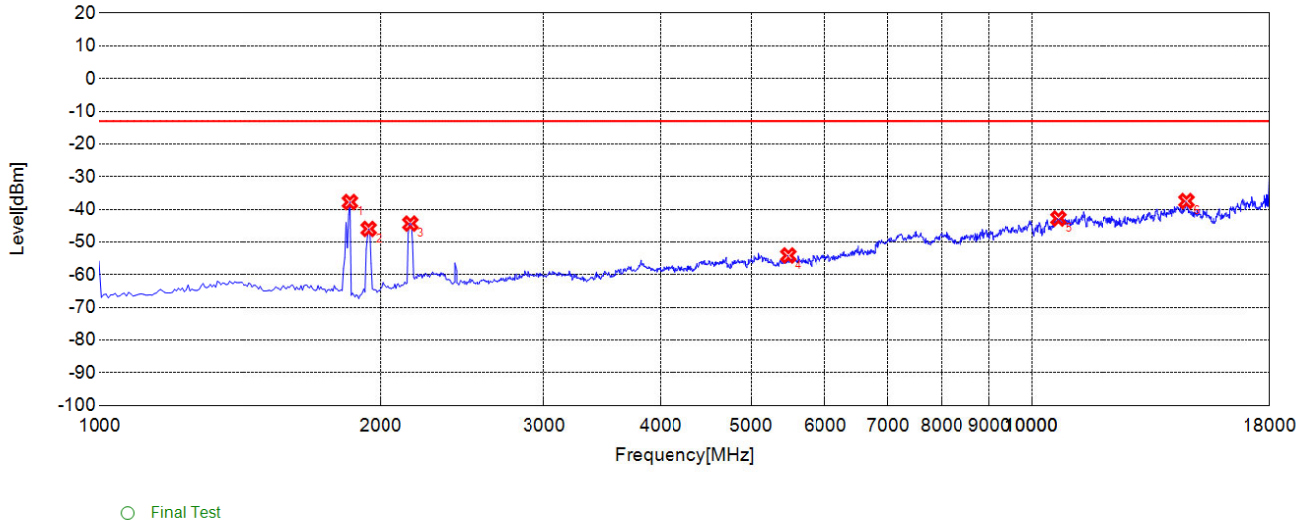
### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1853.4530      | -28.8          | -13.00         | 15.80          | -7.24          | -46.67       | 39.43       | NA           |
| 2              | 1946.3460      | -29.04         | -13.00         | 16.04          | -5.17          | -46.45       | 41.28       | NA           |
| 3              | 2149.5500      | -29.41         | -13.00         | 16.41          | -7.79          | -46.73       | 38.94       | NA           |
| 4              | 4976.9770      | -52.9          | -13.00         | 39.90          | -3.02          | -44.31       | 41.29       | Horizontal   |
| 5              | 8784.3840      | -46.35         | -13.00         | 33.35          | 10.00          | -36.84       | 46.84       | Horizontal   |
| 6              | 16822.8230     | -36.2          | -13.00         | 23.20          | 25.25          | -26.51       | 51.76       | Horizontal   |

CA\_2A\_66A Low 20M QPSK RB 1 0 1-18G H

### Test Graph

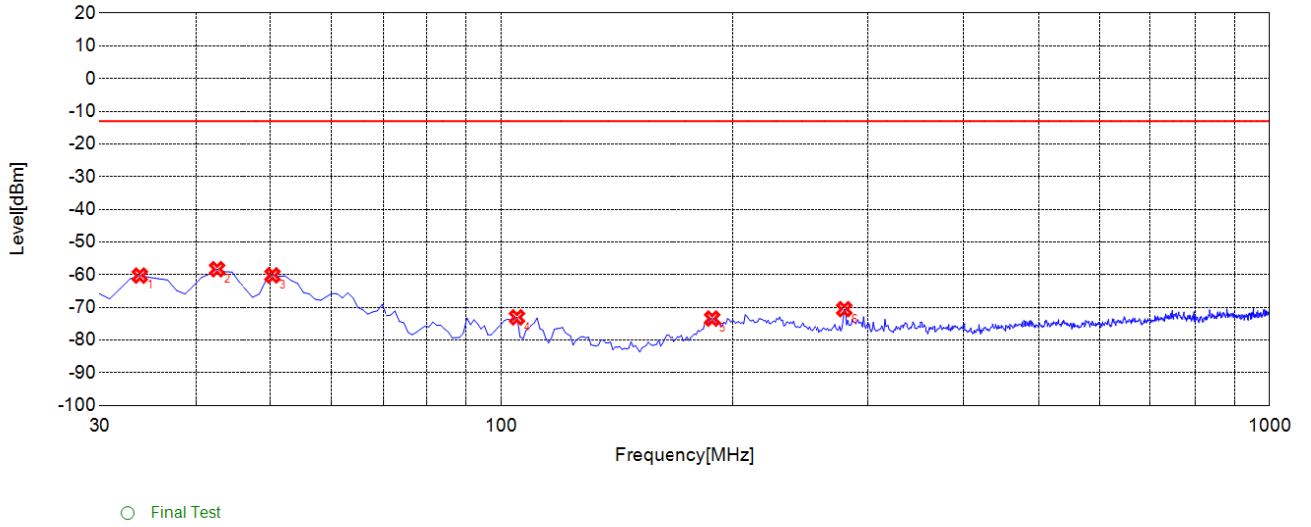


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 1853.4530      | -37.77         | -13.00         | 24.77          | -10.46         | -46.67       | 36.21       | NA           |
| 2              | 1940.5410      | -45.99         | -13.00         | 32.99          | -10.70         | -46.49       | 35.79       | NA           |
| 3              | 2155.3550      | -44.36         | -13.00         | 31.36          | -8.39          | -46.74       | 38.35       | NA           |
| 4              | 5476.2760      | -54.13         | -13.00         | 41.13          | -2.38          | -42.86       | 40.48       | Vertical     |
| 5              | 10679.0790     | -42.81         | -13.00         | 29.81          | 14.04          | -34.60       | 48.64       | Vertical     |
| 6              | 14659.0590     | -37.47         | -13.00         | 24.47          | 23.13          | -27.32       | 50.45       | Vertical     |

CA\_2A\_66A Low 20M QPSK RB 1 0 1-18G V



### Test Graph

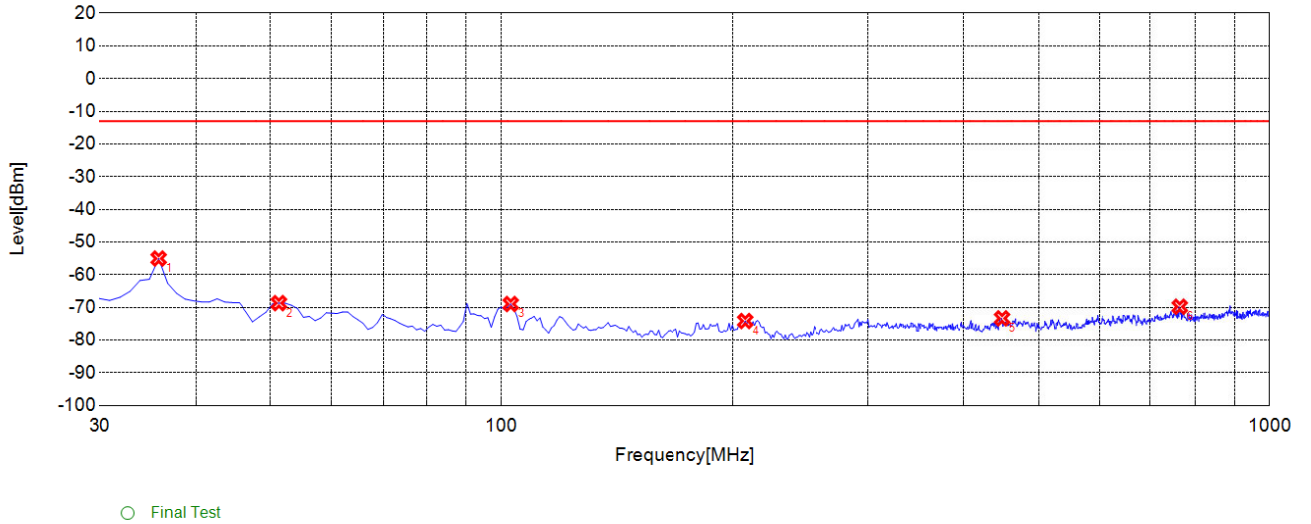


| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 33.8840        | -60.28         | -13.00         | 47.28          | -9.81          | -39.59       | 29.78       | Horizontal   |
| 2              | 42.6230        | -58.32         | -13.00         | 45.32          | -7.05          | -39.52       | 32.47       | Horizontal   |
| 3              | 50.3900        | -60.21         | -13.00         | 47.21          | -7.16          | -39.46       | 32.30       | Horizontal   |
| 4              | 104.7650       | -73.05         | -13.00         | 60.05          | -17.53         | -38.70       | 21.17       | Horizontal   |
| 5              | 188.2680       | -73.43         | -13.00         | 60.43          | -15.20         | -38.10       | 22.90       | Horizontal   |
| 6              | 279.5400       | -70.55         | -13.00         | 57.55          | -12.04         | -37.04       | 25.00       | Horizontal   |

CA\_2A\_66A Low 20M QPSK RB 1 0 30M-1G H



### Test Graph



| Suspected List |                |                |                |                |                |              |             |              |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-------------|--------------|
| NO.            | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Path<br>[dB] | Air<br>[dB] | Ant.<br>Pol. |
| 1              | 35.8260        | -55.05         | -13.00         | 42.05          | -16.61         | -39.57       | 22.96       | Vertical     |
| 2              | 51.3610        | -68.7          | -13.00         | 55.70          | -15.63         | -39.46       | 23.83       | Vertical     |
| 3              | 102.8230       | -68.96         | -13.00         | 55.96          | -13.47         | -38.70       | 25.23       | Vertical     |
| 4              | 207.6880       | -74.17         | -13.00         | 61.17          | -16.55         | -37.63       | 21.08       | Vertical     |
| 5              | 448.4880       | -73.36         | -13.00         | 60.36          | -8.83          | -35.43       | 26.60       | Vertical     |
| 6              | 764.0540       | -69.8          | -13.00         | 56.80          | -2.46          | -34.21       | 31.75       | Vertical     |

CA\_2A\_66A Low 20M QPSK RB 1 0 30M-1G V