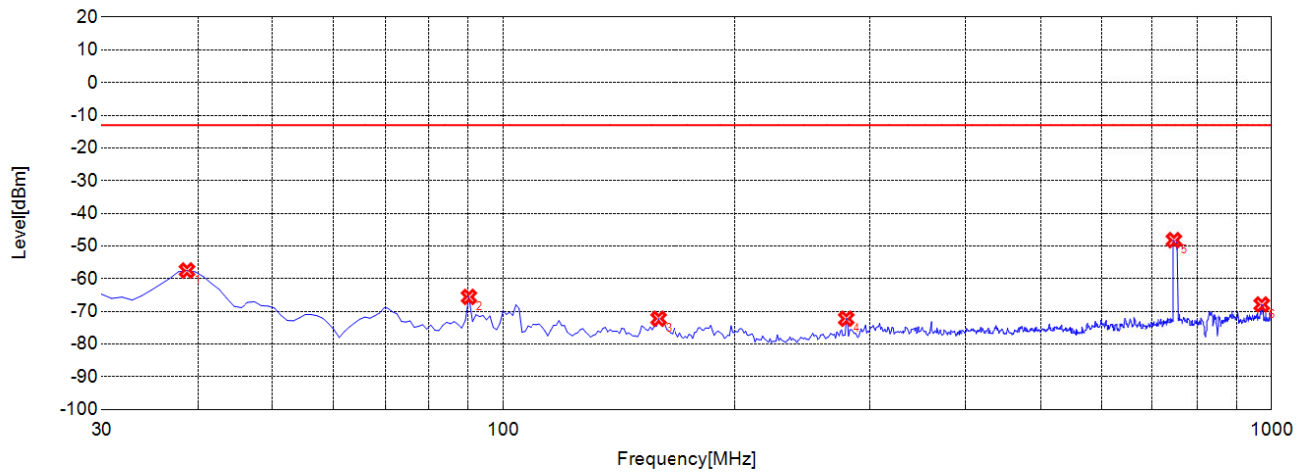


## Test Graph



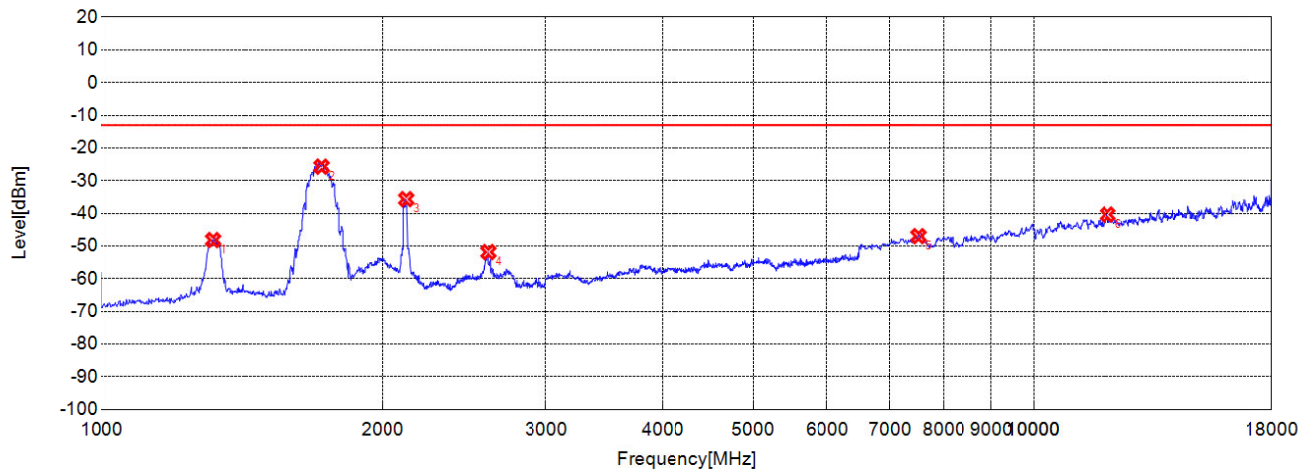
○ Final Test

### 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   | 38.7390        | -57.5          | -13.00         | 44.50          | -16.41         | -39.55       | 23.14       | Vertical     |
| 2   | 90.2000        | -65.58         | -13.00         | 52.58          | -16.50         | -38.71       | 22.21       | Vertical     |
| 3   | 159.1390       | -72.24         | -13.00         | 59.24          | -16.94         | -38.41       | 21.47       | Vertical     |
| 4   | 279.5400       | -72.25         | -13.00         | 59.25          | -12.54         | -37.04       | 24.50       | Vertical     |
| 5   | 746.5770       | -48.22         | -13.00         | 35.22          | -2.84          | -34.21       | 31.37       | NA           |
| 6   | 971.8420       | -67.89         | -13.00         | 54.89          | -1.80          | -34.06       | 32.26       | Vertical     |

CA\_4A\_13A Mid 4A 20M 13A 10M QPSK 1RB 30M-1G V

## Test Graph



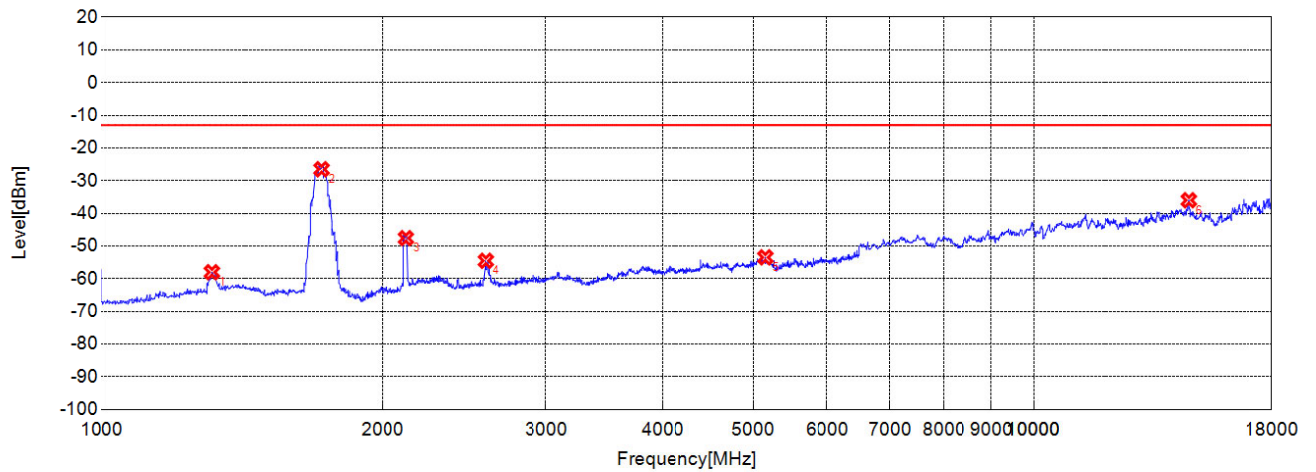
○ Final Test

### 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   | 1316.3160      | -48.18         | -13.00         | 35.18          | -7.72          | -45.28       | 37.56       | Horizontal   |
| 2   | 1720.7210      | -25.73         | -13.00         | 12.73          | -8.37          | -46.32       | 37.95       | NA           |
| 3   | 2123.1230      | -35.66         | -13.00         | 22.66          | -8.19          | -47.05       | 38.86       | NA           |
| 4   | 2599.6000      | -51.86         | -13.00         | 38.86          | -10.11         | -47.04       | 36.93       | Horizontal   |
| 5   | 7513.0130      | -46.99         | -13.00         | 33.99          | 10.44          | -35.62       | 46.06       | Horizontal   |
| 6   | 12014.0140     | -40.38         | -13.00         | 27.38          | 18.06          | -31.30       | 49.36       | Horizontal   |

CA\_5A-66A Low 5A 10M 66A 20M QPSK 1RB 1-18G H

## Test Graph

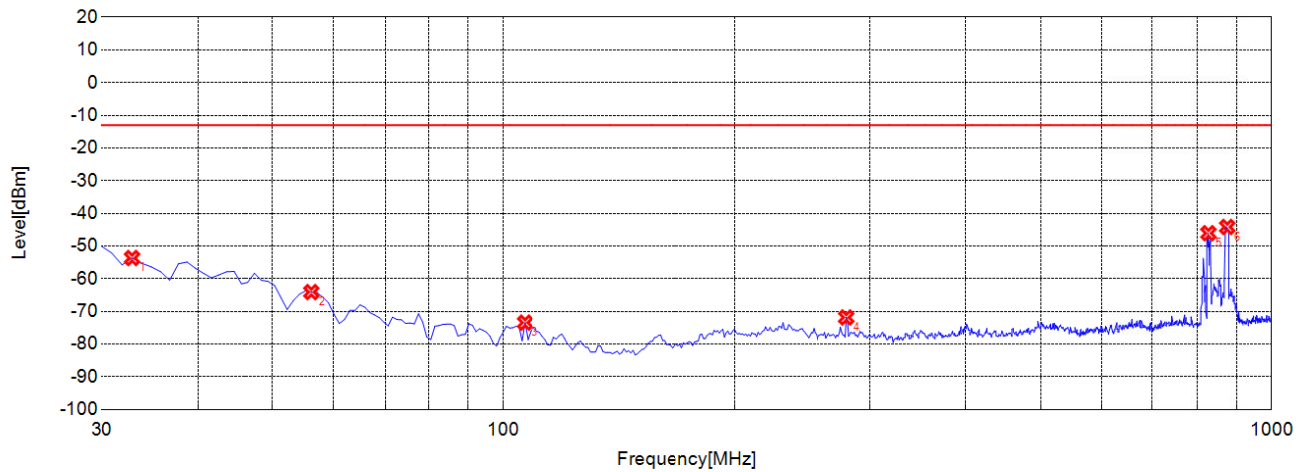


○ Final Test

| 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              | 1312.3120      | -58.02         | -13.00         | 45.02          | -9.14          | -45.29       | 36.15       | Vertical     |
| 2              | 1720.7210      | -26.51         | -13.00         | 13.51          | -9.35          | -46.32       | 36.97       | NA           |
| 3              | 2121.1210      | -47.6          | -13.00         | 34.60          | -9.62          | -47.08       | 37.46       | NA           |
| 4              | 2583.5840      | -54.52         | -13.00         | 41.52          | -10.46         | -47.22       | 36.76       | Vertical     |
| 5              | 5151.1510      | -53.47         | -13.00         | 40.47          | -2.52          | -43.80       | 41.28       | Vertical     |
| 6              | 14673.1730     | -36            | -13.00         | 23.00          | 22.91          | -27.60       | 50.51       | Vertical     |

CA\_5A-66A Low 5A 10M 66A 20M QPSK 1RB 1-18G V

## Test Graph



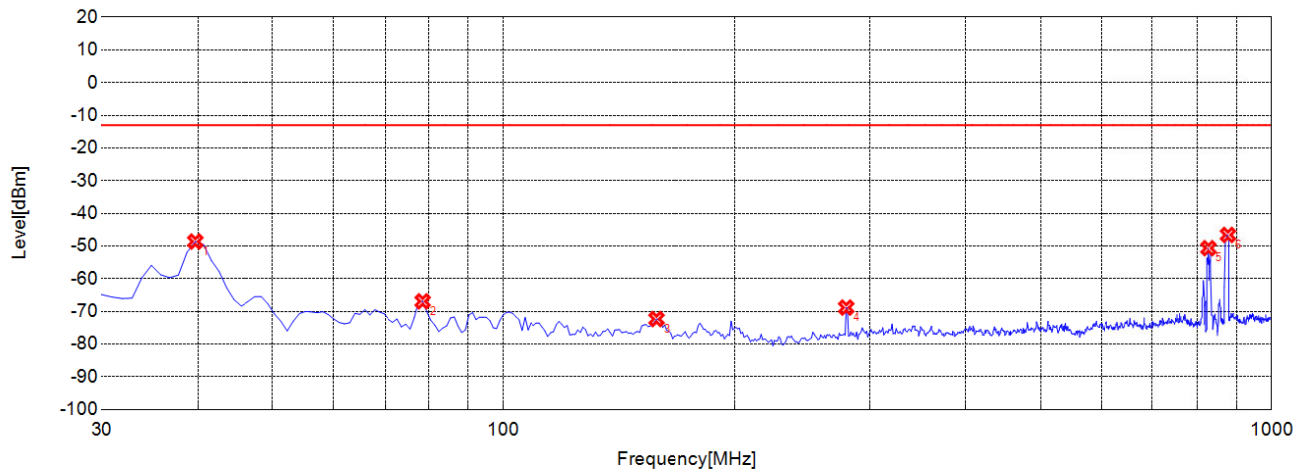
○ Final Test

### 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   | 32.9130        | -53.68         | -13.00         | 40.68          | -10.25         | -39.60       | 29.35       | Horizontal   |
| 2   | 56.2160        | -64.09         | -13.00         | 51.09          | -9.45          | -39.48       | 30.03       | Horizontal   |
| 3   | 106.7070       | -73.44         | -13.00         | 60.44          | -17.57         | -38.69       | 21.12       | Horizontal   |
| 4   | 279.5400       | -71.85         | -13.00         | 58.85          | -12.04         | -37.04       | 25.00       | Horizontal   |
| 5   | 827.1670       | -46.09         | -13.00         | 33.09          | -2.90          | -34.16       | 31.26       | NA           |
| 6   | 874.7450       | -44.18         | -13.00         | 31.18          | -2.18          | -34.03       | 31.85       | NA           |

CA\_5A-66A Low 5A 10M 66A 20M QPSK 1RB 30M-1G H

## Test Graph



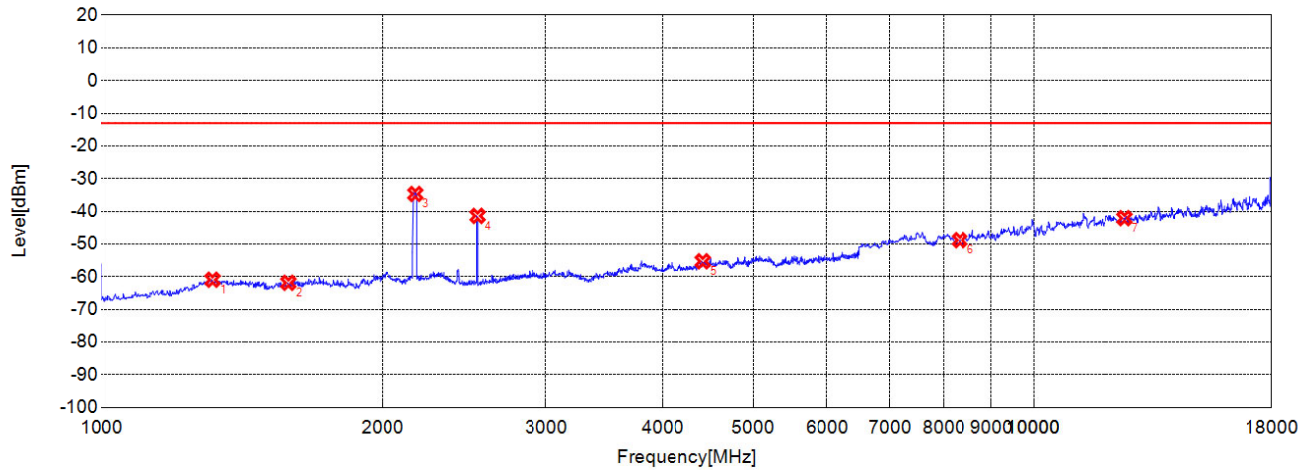
○ Final Test

### 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   | 39.7100        | -48.63         | -13.00         | 35.63          | -16.34         | -39.54       | 23.20       | Vertical     |
| 2   | 78.5490        | -66.93         | -13.00         | 53.93          | -20.02         | -39.17       | 19.15       | Vertical     |
| 3   | 158.1680       | -72.34         | -13.00         | 59.34          | -16.92         | -38.44       | 21.52       | Vertical     |
| 4   | 279.5400       | -68.84         | -13.00         | 55.84          | -12.54         | -37.04       | 24.50       | Vertical     |
| 5   | 827.1670       | -50.67         | -13.00         | 37.67          | -2.67          | -34.16       | 31.49       | NA           |
| 6   | 876.6870       | -46.61         | -13.00         | 33.61          | -1.81          | -34.03       | 32.22       | NA           |

CA\_5A-66A Low 5A 10M 66A 20M QPSK 1RB 30M-1G V

## Test Graph

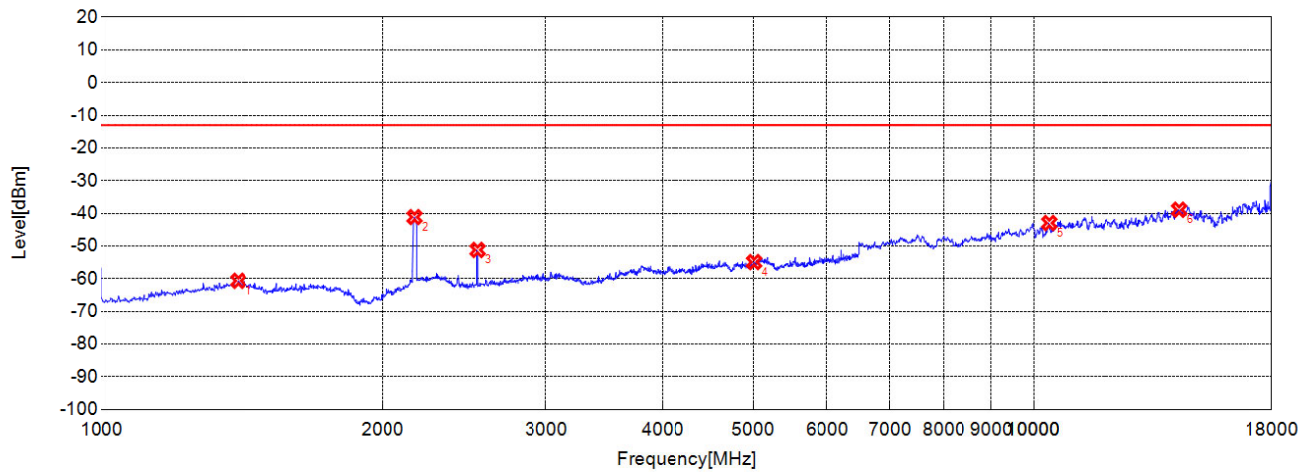


○ Final Test

| 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              | 1314.3140      | -60.93         | -13.00         | 47.93          | -7.71          | -45.28       | 37.57       | Horizontal   |
| 2              | 1586.5870      | -61.87         | -13.00         | 48.87          | -9.25          | -45.82       | 36.57       | Horizontal   |
| 3              | 2171.1710      | -34.69         | -13.00         | 21.69          | -7.79          | -46.80       | 39.01       | NA           |
| 4              | 2531.5320      | -41.4          | -13.00         | 28.40          | -10.64         | -47.40       | 36.76       | Horizontal   |
| 5              | 4418.9190      | -55.29         | -13.00         | 42.29          | -5.59          | -45.76       | 40.17       | Horizontal   |
| 6              | 8318.8190      | -48.82         | -13.00         | 35.82          | 8.99           | -35.98       | 44.97       | Horizontal   |
| 7              | 12532.0320     | -42.1          | -13.00         | 29.10          | 18.63          | -30.16       | 48.79       | Horizontal   |

CA\_5A-66A High 5A 10M 66A 20M QPSK 1RB 1-18G H

## Test Graph

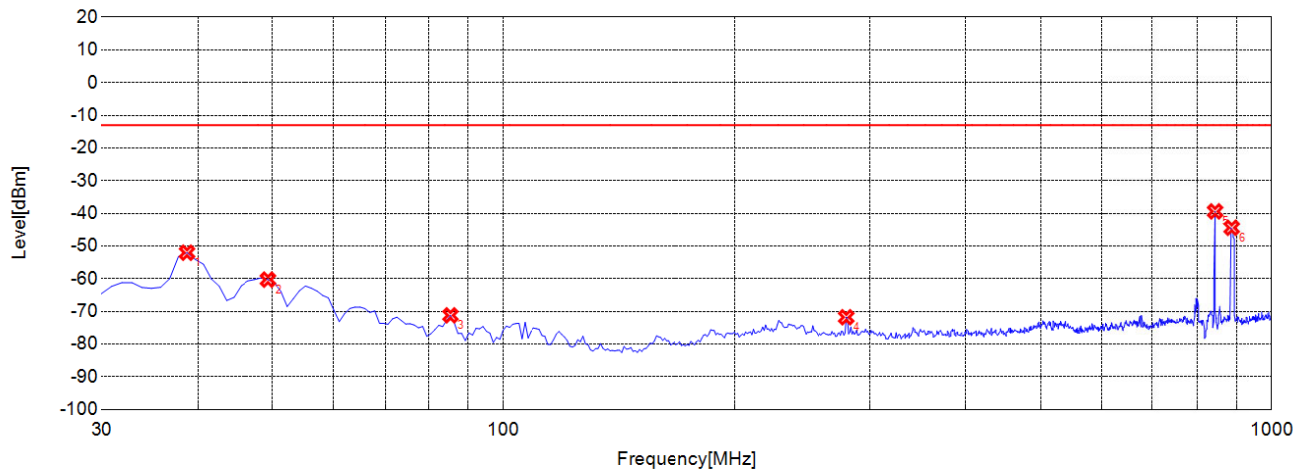


○ Final Test

| 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              | 1400.4000      | -60.65         | -13.00         | 47.65          | -8.05          | -45.35       | 37.30       | Vertical     |
| 2              | 2167.1670      | -41.15         | -13.00         | 28.15          | -8.13          | -46.79       | 38.66       | NA           |
| 3              | 2531.5320      | -51.2          | -13.00         | 38.20          | -10.78         | -47.40       | 36.62       | Vertical     |
| 4              | 5011.0110      | -54.92         | -13.00         | 41.92          | -2.95          | -43.82       | 40.87       | Vertical     |
| 5              | 10390.8910     | -42.96         | -13.00         | 29.96          | 14.95          | -34.59       | 49.54       | Vertical     |
| 6              | 14327.8280     | -38.91         | -13.00         | 25.91          | 22.51          | -28.16       | 50.67       | Vertical     |

CA\_5A-66A High 5A 10M 66A 20M QPSK 1RB 1-18G V

## Test Graph

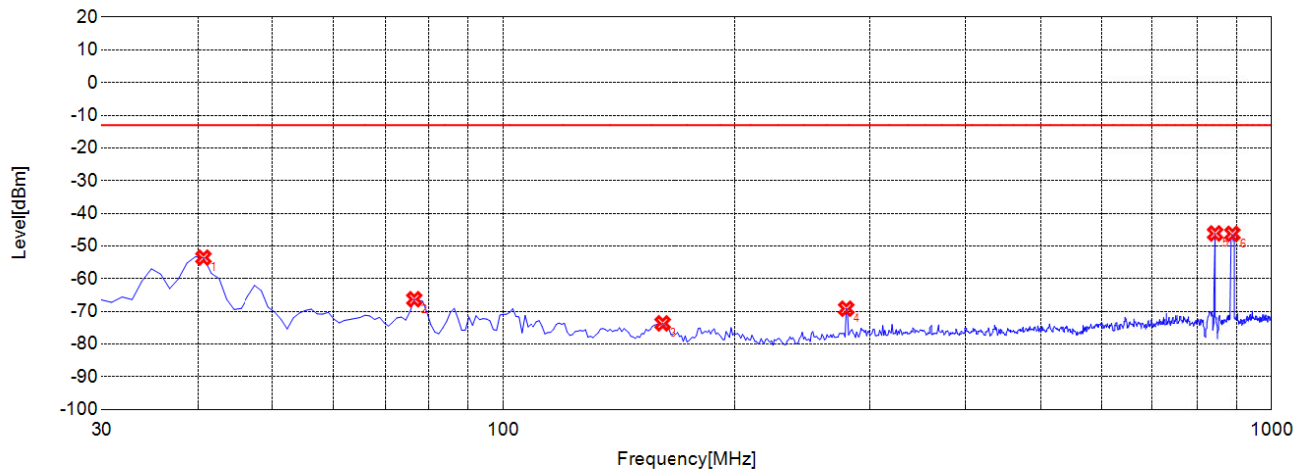


### Suspected List

| 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        | -52.05         | -13.00         | 39.05          | -7.63          | -39.55       | 31.92       | Horizontal   |
| 2   | 49.4190        | -60.29         | -13.00         | 47.29          | -7.01          | -39.46       | 32.45       | Horizontal   |
| 3   | 85.3450        | -71.21         | -13.00         | 58.21          | -18.70         | -38.90       | 20.20       | Horizontal   |
| 4   | 279.5400       | -71.79         | -13.00         | 58.79          | -12.04         | -37.04       | 25.00       | Horizontal   |
| 5   | 843.6740       | -39.42         | -13.00         | 26.42          | -2.48          | -34.11       | 31.63       | NA           |
| 6   | 886.3960       | -44.42         | -13.00         | 31.42          | -2.06          | -34.00       | 31.94       | NA           |

CA\_5A-66A High 5A 10M 66A 20M QPSK 1RB 30M-1G H

## Test Graph



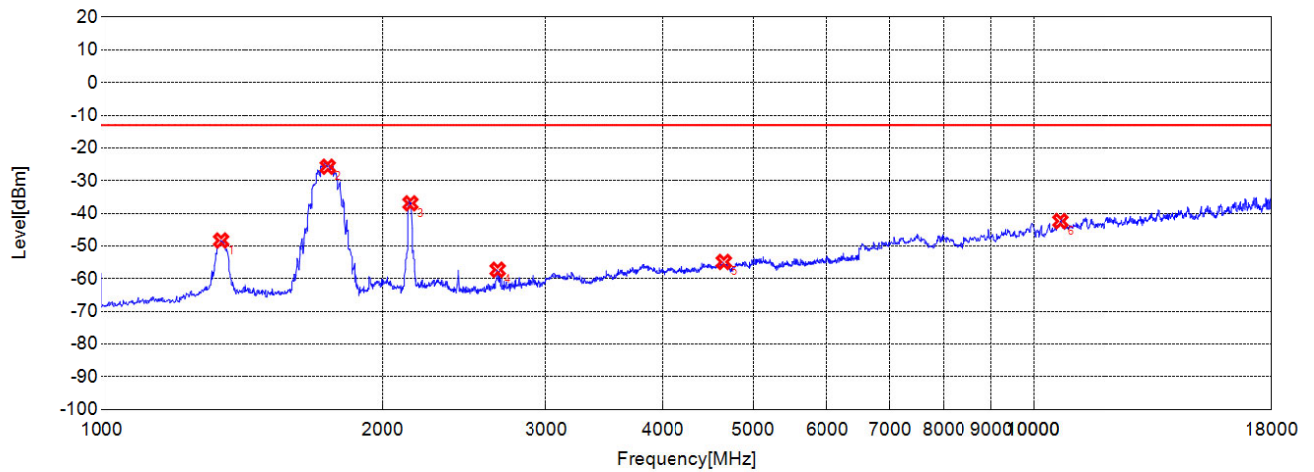
○ Final Test

### 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   | 40.6810        | -53.56         | -13.00         | 40.56          | -16.24         | -39.53       | 23.29       | Vertical     |
| 2   | 76.6070        | -66.29         | -13.00         | 53.29          | -19.61         | -39.25       | 19.64       | Vertical     |
| 3   | 161.0810       | -73.67         | -13.00         | 60.67          | -16.98         | -38.36       | 21.38       | Vertical     |
| 4   | 279.5400       | -69.17         | -13.00         | 56.17          | -12.54         | -37.04       | 24.50       | Vertical     |
| 5   | 843.6740       | -46.16         | -13.00         | 33.16          | -2.89          | -34.11       | 31.22       | NA           |
| 6   | 888.3380       | -46.27         | -13.00         | 33.27          | -1.25          | -34.00       | 32.75       | NA           |

CA\_5A-66A High 5A 10M 66A 20M QPSK 1RB 30M-1G V

## Test Graph

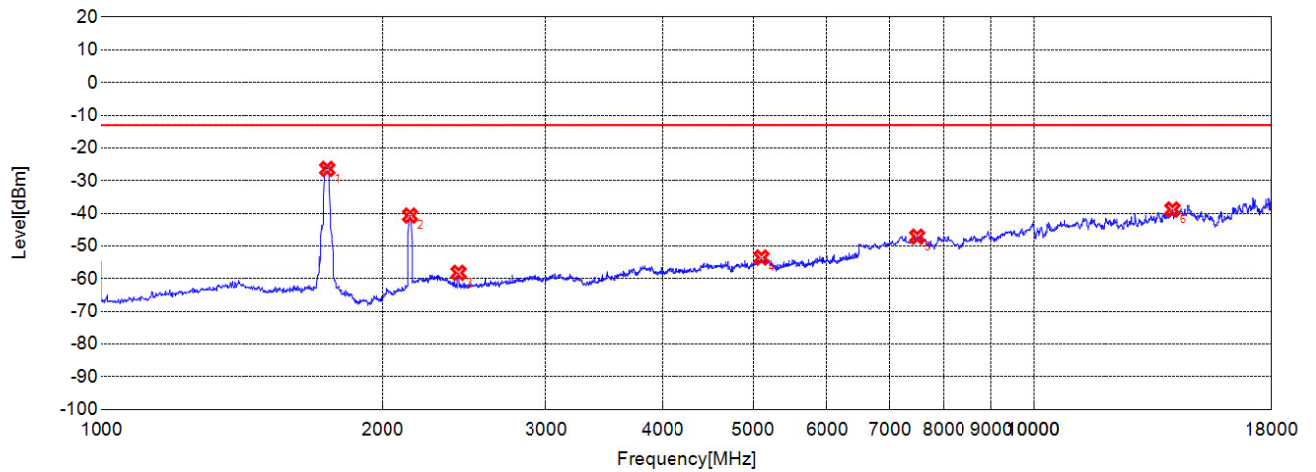


○ Final Test

| 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              | 1342.3420      | -48.31         | -13.00         | 35.31          | -7.92          | -45.27       | 37.35       | Horizontal   |
| 2              | 1746.7470      | -25.75         | -13.00         | 12.75          | -8.28          | -46.27       | 37.99       | NA           |
| 3              | 2145.1450      | -36.93         | -13.00         | 23.93          | -7.85          | -46.78       | 38.93       | NA           |
| 4              | 2659.6600      | -57.27         | -13.00         | 44.27          | -10.18         | -47.32       | 37.14       | Horizontal   |
| 5              | 4653.6540      | -54.87         | -13.00         | 41.87          | -4.33          | -45.01       | 40.68       | Horizontal   |
| 6              | 10678.6790     | -42.4          | -13.00         | 29.40          | 13.97          | -34.61       | 48.58       | Horizontal   |

CA\_5A-66A Mid 5A 10M 66A 20M QPSK 1RB 1-18G H

## Test Graph

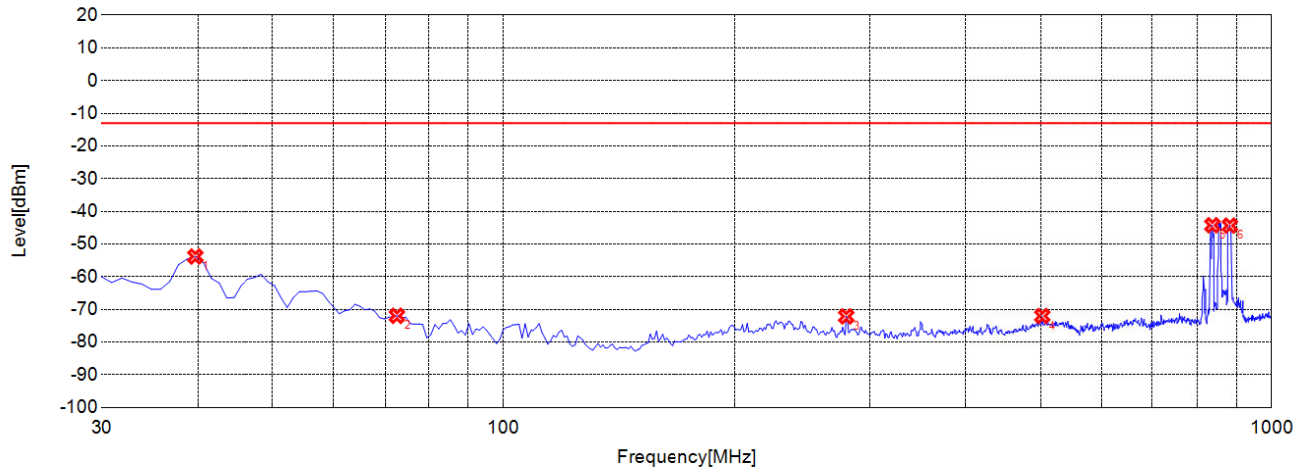


○ Final Test

| 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              | 1744.7450      | -26.41         | -13.00         | 13.41          | -9.27          | -46.27       | 37.00       | NA           |
| 2              | 2143.1430      | -40.69         | -13.00         | 27.69          | -8.77          | -46.81       | 38.04       | NA           |
| 3              | 2415.4150      | -58.2          | -13.00         | 45.20          | -10.37         | -47.42       | 37.05       | Vertical     |
| 4              | 5102.1020      | -53.53         | -13.00         | 40.53          | -2.13          | -43.84       | 41.71       | Vertical     |
| 5              | 7489.9900      | -47.13         | -13.00         | 34.13          | 10.06          | -35.67       | 45.73       | Vertical     |
| 6              | 14097.5980     | -38.84         | -13.00         | 25.84          | 22.97          | -27.39       | 50.36       | Vertical     |

CA\_5A-66A Mid 5A 10M 66A 20M QPSK 1RB 1-18G V

## Test Graph

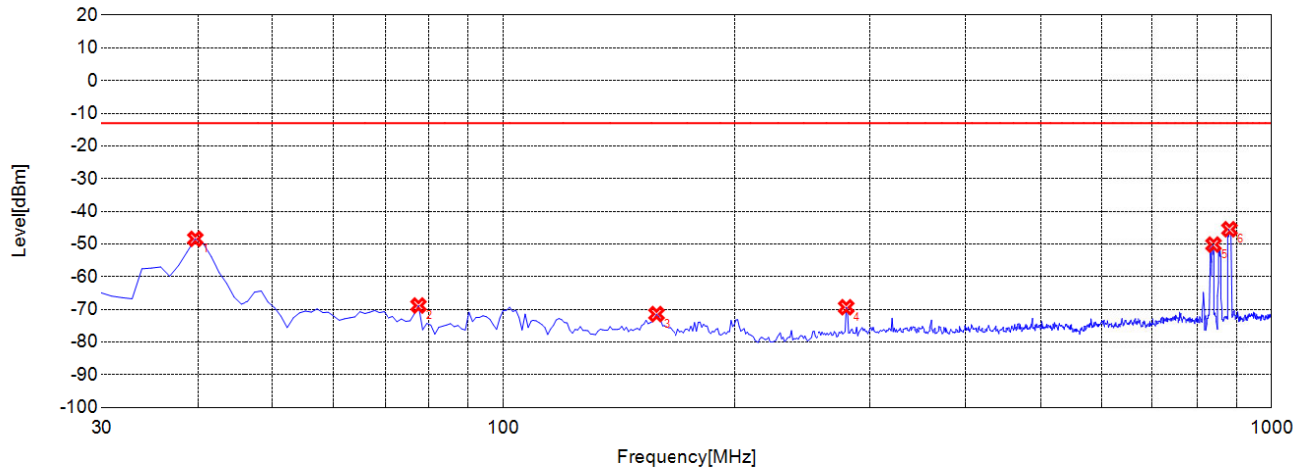


○ Final Test

| 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              | 39.7100        | -53.83         | -13.00         | 40.83          | -7.19          | -39.54       | 32.35       | Horizontal   |
| 2              | 72.7230        | -71.97         | -13.00         | 58.97          | -16.61         | -39.40       | 22.79       | Horizontal   |
| 3              | 279.5400       | -72.15         | -13.00         | 59.15          | -12.04         | -37.04       | 25.00       | Horizontal   |
| 4              | 502.8630       | -72.03         | -13.00         | 59.03          | -7.53          | -35.25       | 27.72       | Horizontal   |
| 5              | 836.8770       | -44.26         | -13.00         | 31.26          | -2.58          | -34.13       | 31.55       | NA           |
| 6              | 881.5420       | -44.37         | -13.00         | 31.37          | -2.13          | -34.01       | 31.88       | NA           |

CA\_5A-66A Mid 5A 10M 66A 20M QPSK 1RB 30M-1G H

## Test Graph



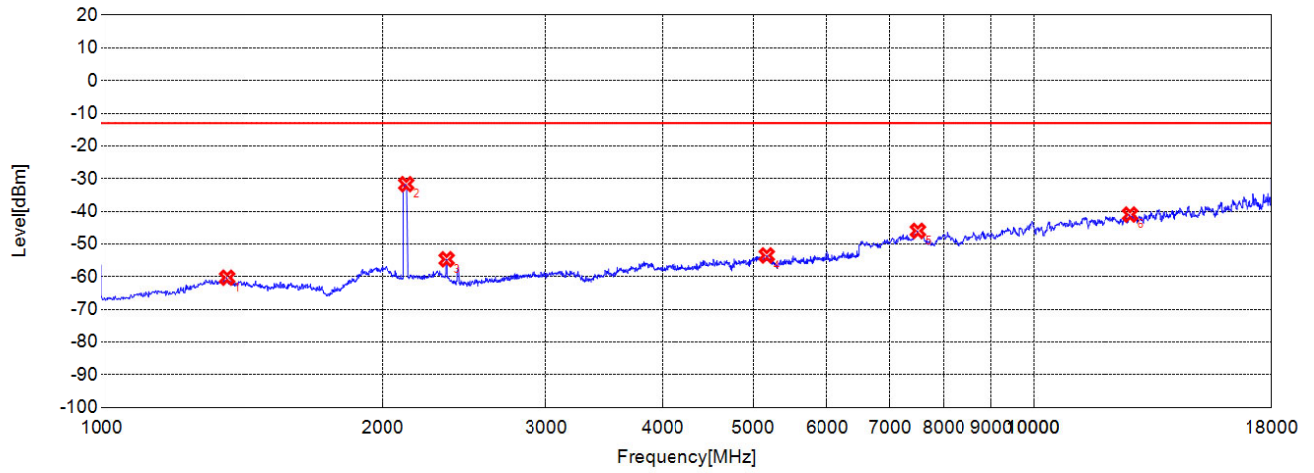
○ Final Test

### 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   | 39.7100        | -48.42         | -13.00         | 35.42          | -16.34         | -39.54       | 23.20       | Vertical     |
| 2   | 77.5780        | -68.82         | -13.00         | 55.82          | -19.81         | -39.21       | 19.40       | Vertical     |
| 3   | 158.1680       | -71.44         | -13.00         | 58.44          | -16.92         | -38.44       | 21.52       | Vertical     |
| 4   | 279.5400       | -69.35         | -13.00         | 56.35          | -12.54         | -37.04       | 24.50       | Vertical     |
| 5   | 839.7900       | -50.18         | -13.00         | 37.18          | -2.77          | -34.12       | 31.35       | NA           |
| 6   | 880.5710       | -45.49         | -13.00         | 32.49          | -1.56          | -34.02       | 32.46       | NA           |

CA\_5A-66A Mid 5A 10M 66A 20M QPSK 1RB 30M-1G V

## Test Graph

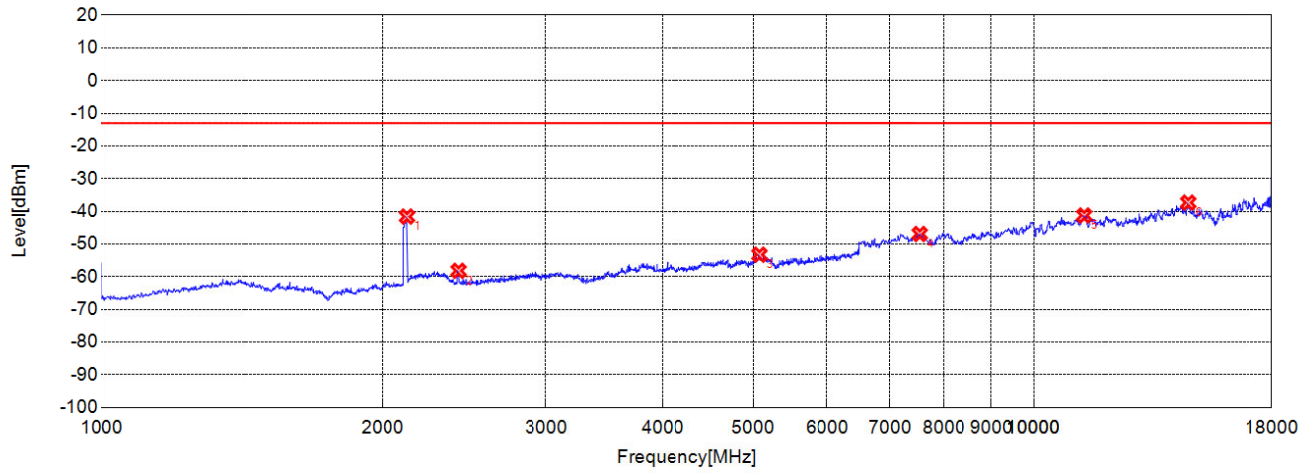


○ Final Test

| Suspected List |             |             |             |             |             |           |          |            |
|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|------------|
| NO.            | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Factor [dB] | Path [dB] | Air [dB] | Ant. Pol.  |
| 1              | 1362.3620   | -60.3       | -13.00      | 47.30       | -8.11       | -45.29    | 37.18    | Horizontal |
| 2              | 2123.1230   | -31.69      | -13.00      | 18.69       | -8.19       | -47.05    | 38.86    | NA         |
| 3              | 2345.3450   | -54.67      | -13.00      | 41.67       | -8.15       | -46.53    | 38.38    | Horizontal |
| 4              | 5168.6690   | -53.49      | -13.00      | 40.49       | -2.29       | -43.57    | 41.28    | Horizontal |
| 5              | 7501.5020   | -45.97      | -13.00      | 32.97       | 10.71       | -35.48    | 46.19    | Horizontal |
| 6              | 12704.7050  | -40.99      | -13.00      | 27.99       | 19.73       | -29.74    | 49.47    | Horizontal |

CA\_13A-66A Low 13A 10M 66A 20M QPSK 1RB 1-18G H

## Test Graph

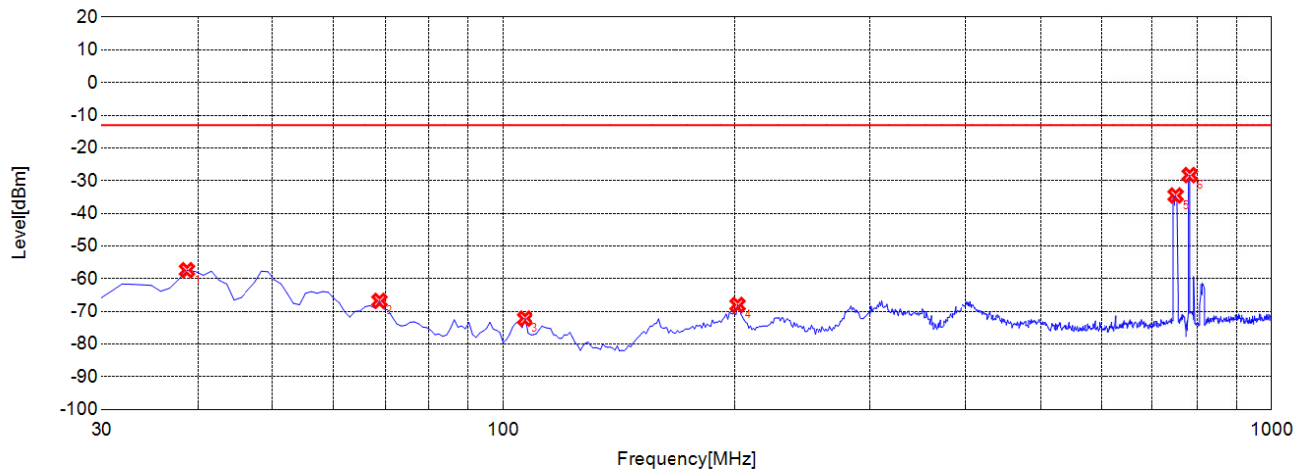


○ Final Test

| 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              | 2127.1270      | -41.61         | -13.00         | 28.61          | -9.38          | -47.00       | 37.62       | NA           |
| 2              | 2415.4150      | -58.19         | -13.00         | 45.19          | -10.37         | -47.42       | 37.05       | Vertical     |
| 3              | 5077.5780      | -53.26         | -13.00         | 40.26          | -2.34          | -43.85       | 41.51       | Vertical     |
| 4              | 7536.0360      | -46.93         | -13.00         | 33.93          | 9.67           | -35.90       | 45.57       | Vertical     |
| 5              | 11323.3230     | -41.27         | -13.00         | 28.27          | 15.41          | -33.60       | 49.01       | Vertical     |
| 6              | 14650.1500     | -37.34         | -13.00         | 24.34          | 23.28          | -27.14       | 50.42       | Vertical     |

CA\_13A-66A Low 13A 10M 66A 20M QPSK 1RB 1-18G V

## Test Graph



○ Final Test

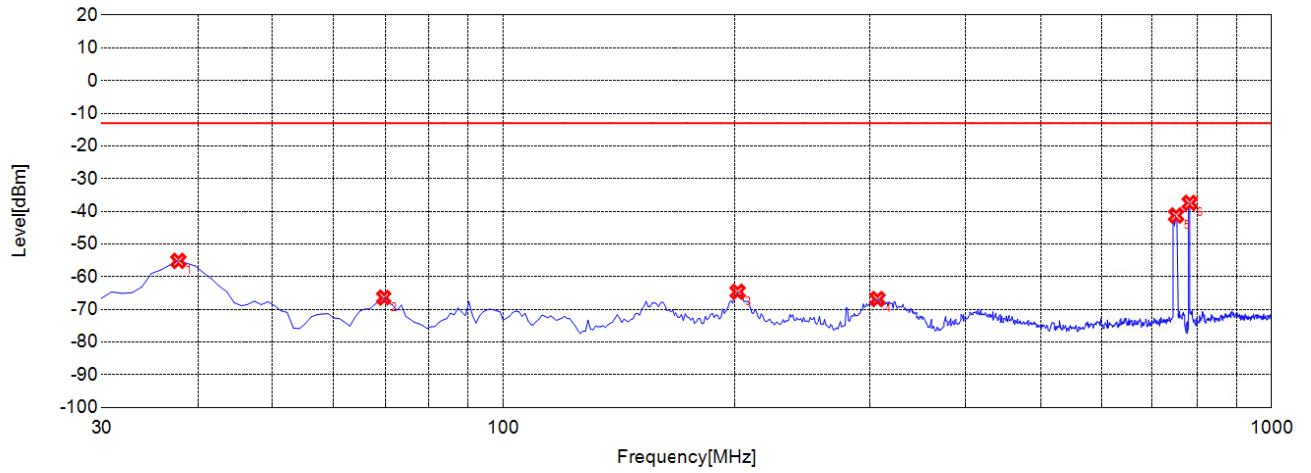
### Suspected List

| 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   | 38.7390        | -57.4          | -13.00         | 44.40          | -7.63          | -39.55       | 31.92       | Horizontal   |
| 2   | 68.8390        | -66.77         | -13.00         | 53.77          | -15.36         | -39.51       | 24.15       | Horizontal   |
| 3   | 106.7070       | -72.2          | -13.00         | 59.20          | -17.57         | -38.69       | 21.12       | Horizontal   |
| 4   | 201.8620       | -68.02         | -13.00         | 55.02          | -14.77         | -37.79       | 23.02       | Horizontal   |
| 5   | 750.4600       | -34.55         | -13.00         | 21.55          | -2.99          | -34.20       | 31.21       | NA           |
| 6   | 782.5030       | -28.3          | -13.00         | 15.30          | -3.20          | -34.23       | 31.03       | NA           |

CA\_13A-66A Low 13A 10M 66A 20M QPSK 1RB 30M-1G H



## Test Graph



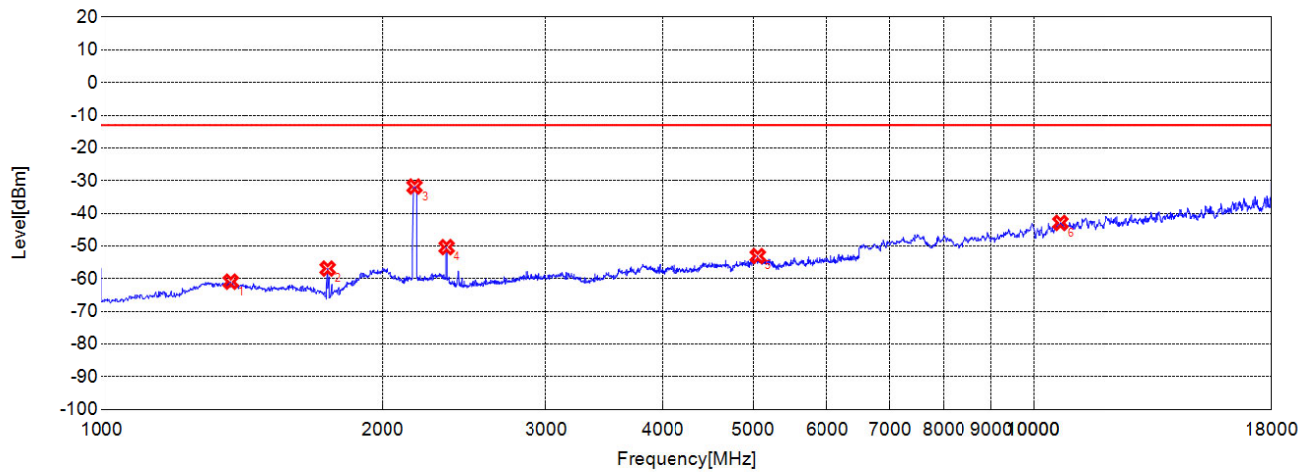
○ Final Test

## 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   | 37.7680        | -55.15         | -13.00         | 42.15          | -16.48         | -39.56       | 23.08       | Vertical     |
| 2   | 69.8100        | -66.38         | -13.00         | 53.38          | -18.22         | -39.51       | 21.29       | Vertical     |
| 3   | 201.8620       | -64.62         | -13.00         | 51.62          | -16.25         | -37.79       | 21.54       | Vertical     |
| 4   | 306.7270       | -66.83         | -13.00         | 53.83          | -11.88         | -36.96       | 25.08       | Vertical     |
| 5   | 751.4310       | -41.27         | -13.00         | 28.27          | -2.58          | -34.20       | 31.62       | NA           |
| 6   | 782.5030       | -37.42         | -13.00         | 24.42          | -3.31          | -34.23       | 30.92       | NA           |

CA\_13A-66A Low 13A 10M 66A 20M QPSK 1RB 30M-1G V

## Test Graph

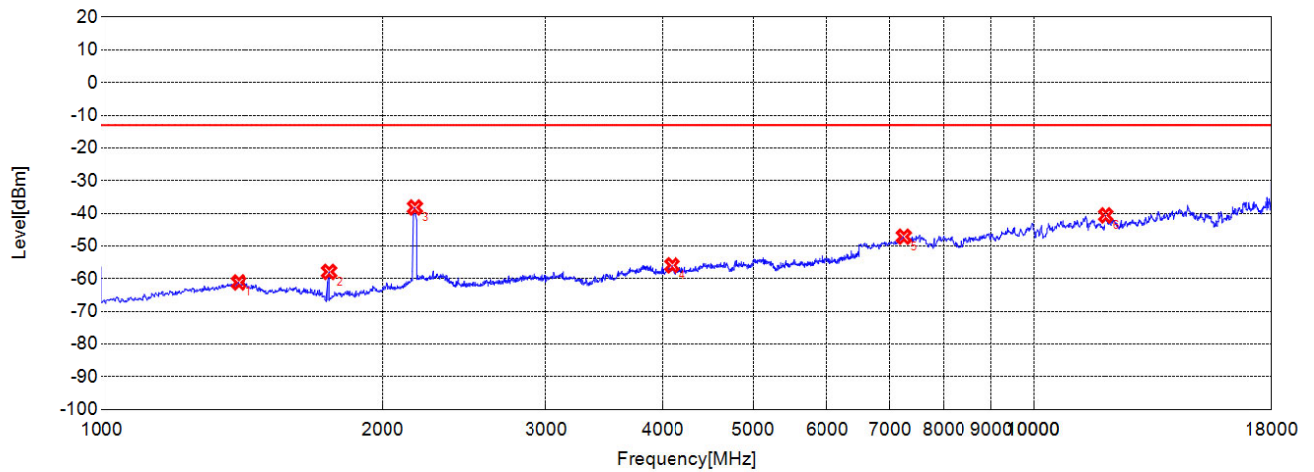


○ Final Test

| 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              | 1374.3740      | -60.91         | -13.00         | 47.91          | -8.22          | -45.31       | 37.09       | Horizontal   |
| 2              | 1746.7470      | -56.91         | -13.00         | 43.91          | -8.28          | -46.27       | 37.99       | Horizontal   |
| 3              | 2167.1670      | -31.81         | -13.00         | 18.81          | -7.79          | -46.79       | 39.00       | NA           |
| 4              | 2345.3450      | -50.35         | -13.00         | 37.35          | -8.15          | -46.53       | 38.38       | Horizontal   |
| 5              | 5056.5570      | -53.07         | -13.00         | 40.07          | -2.39          | -43.86       | 41.47       | Horizontal   |
| 6              | 10678.6790     | -42.92         | -13.00         | 29.92          | 13.97          | -34.61       | 48.58       | Horizontal   |

CA\_13A-66A High 13A 10M 66A 20M QPSK 1RB 1-18G H

## Test Graph

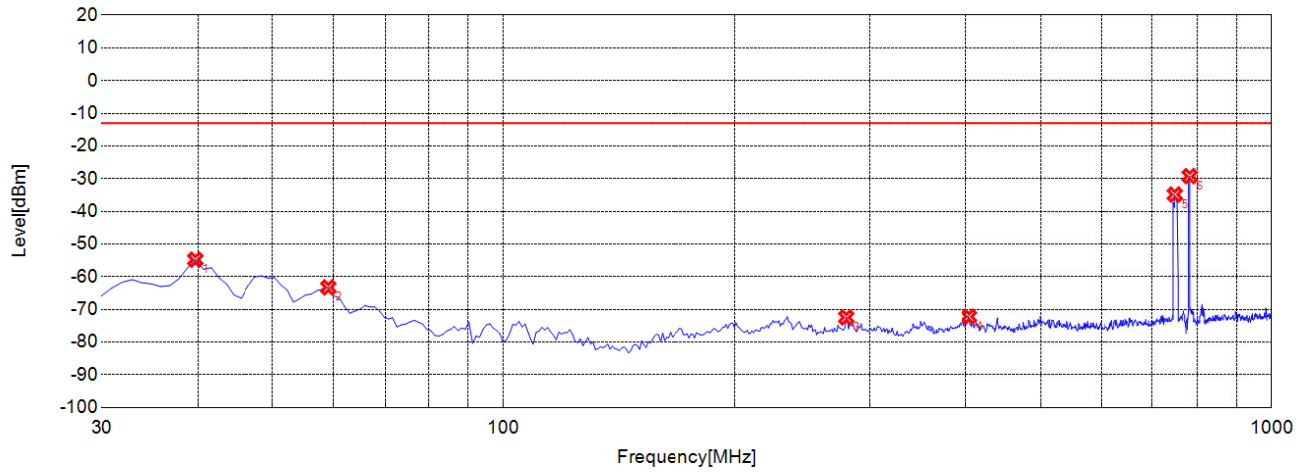


○ Final Test

| 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              | 1402.4020      | -61.14         | -13.00         | 48.14          | -8.09          | -45.35       | 37.26       | Vertical     |
| 2              | 1752.7530      | -57.91         | -13.00         | 44.91          | -9.25          | -46.26       | 37.01       | Vertical     |
| 3              | 2169.1690      | -38.21         | -13.00         | 25.21          | -8.07          | -46.79       | 38.72       | NA           |
| 4              | 4093.0930      | -55.91         | -13.00         | 42.91          | -7.31          | -46.82       | 39.51       | Vertical     |
| 5              | 7248.2480      | -47.15         | -13.00         | 34.15          | 8.57           | -36.95       | 45.52       | Vertical     |
| 6              | 11956.4560     | -40.64         | -13.00         | 27.64          | 16.71          | -32.05       | 48.76       | Vertical     |

CA\_13A-66A High 13A 10M 66A 20M QPSK 1RB 1-18G V

## Test Graph

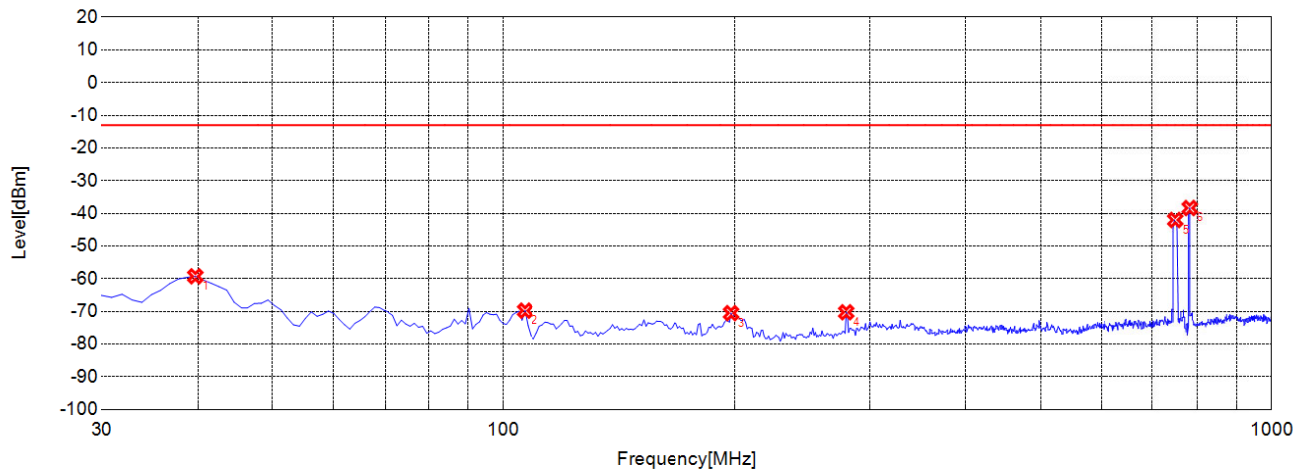


○ Final Test

| 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              | 39.7100        | -54.78         | -13.00         | 41.78          | -7.19          | -39.54       | 32.35       | Horizontal   |
| 2              | 59.1290        | -63.27         | -13.00         | 50.27          | -10.59         | -39.48       | 28.89       | Horizontal   |
| 3              | 279.5400       | -72.45         | -13.00         | 59.45          | -12.04         | -37.04       | 25.00       | Horizontal   |
| 4              | 403.8240       | -72.2          | -13.00         | 59.20          | -10.16         | -36.20       | 26.04       | Horizontal   |
| 5              | 748.5190       | -34.86         | -13.00         | 21.86          | -3.05          | -34.21       | 31.16       | NA           |
| 6              | 782.5030       | -29.24         | -13.00         | 16.24          | -3.20          | -34.23       | 31.03       | NA           |

CA\_13A-66A High 13A 10M 66A 20M QPSK 1RB 30M-1G H

## Test Graph



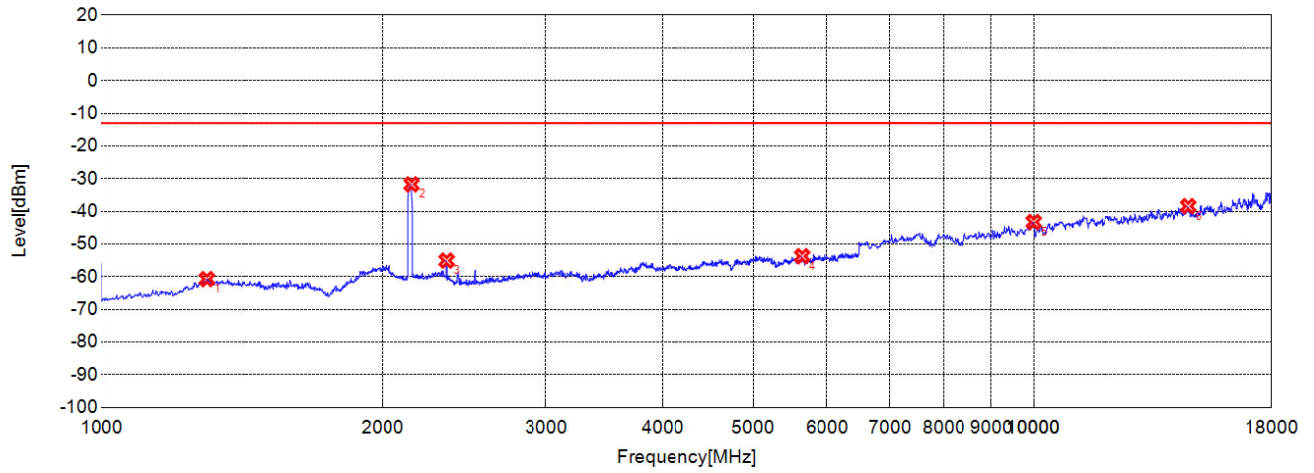
○ Final Test

### 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   | 39.7100        | -59.27         | -13.00         | 46.27          | -16.34         | -39.54       | 23.20       | Vertical     |
| 2   | 106.7070       | -69.77         | -13.00         | 56.77          | -14.91         | -38.69       | 23.78       | Vertical     |
| 3   | 197.9780       | -70.54         | -13.00         | 57.54          | -15.99         | -37.89       | 21.90       | Vertical     |
| 4   | 279.5400       | -70.27         | -13.00         | 57.27          | -12.54         | -37.04       | 24.50       | Vertical     |
| 5   | 749.4890       | -42.04         | -13.00         | 29.04          | -2.66          | -34.20       | 31.54       | NA           |
| 6   | 782.5030       | -38.38         | -13.00         | 25.38          | -3.31          | -34.23       | 30.92       | NA           |

CA\_13A-66A High 13A 10M 66A 20M QPSK 1RB 30M-1G V

## Test Graph

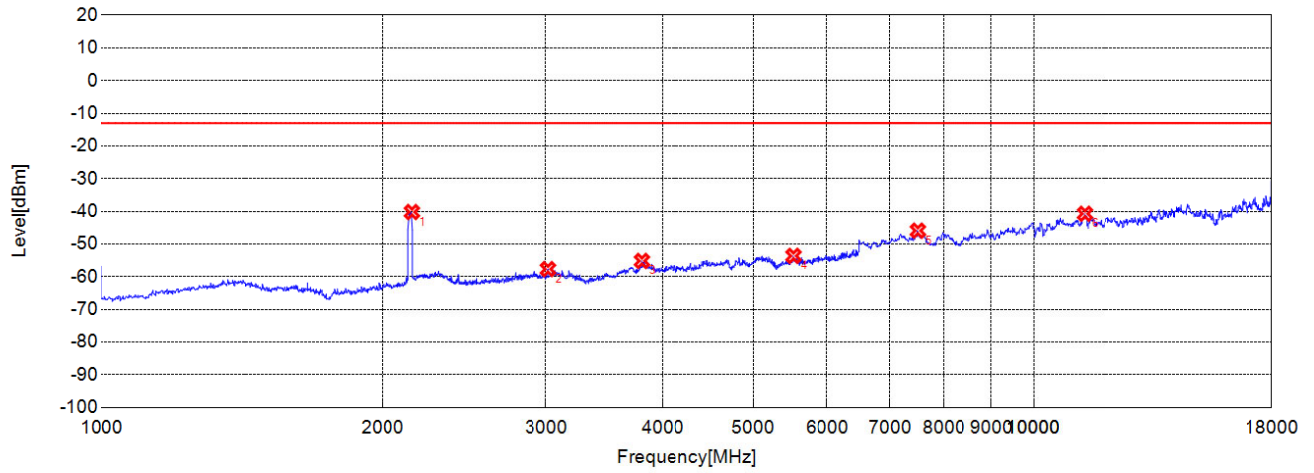


○ Final Test

| 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              | 1296.2960      | -60.74         | -13.00         | 47.74          | -7.73          | -45.30       | 37.57       | Horizontal   |
| 2              | 2151.1510      | -31.76         | -13.00         | 18.76          | -7.77          | -46.72       | 38.95       | NA           |
| 3              | 2345.3450      | -55.07         | -13.00         | 42.07          | -8.15          | -46.53       | 38.38       | Horizontal   |
| 4              | 5638.1380      | -53.72         | -13.00         | 40.72          | -2.07          | -42.89       | 40.82       | Horizontal   |
| 5              | 9999.4990      | -43.28         | -13.00         | 30.28          | 14.18          | -34.22       | 48.40       | Horizontal   |
| 6              | 14650.1500     | -38.43         | -13.00         | 25.43          | 22.61          | -27.14       | 49.75       | Horizontal   |

CA\_13A-66A Mid 13A 10M 66A 20M QPSK 1RB 1-18G H

## Test Graph

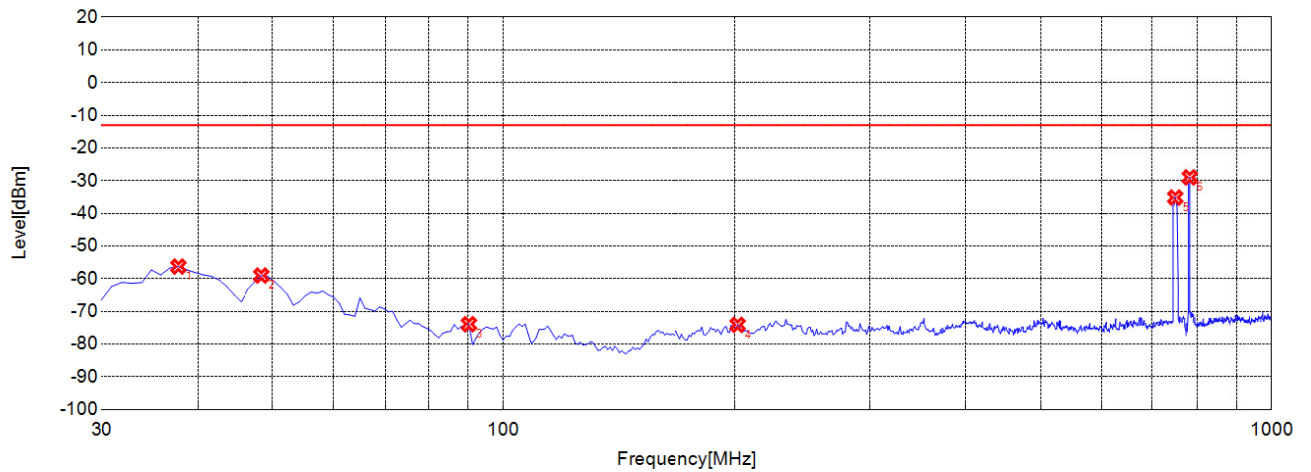


○ Final Test

| Suspected List |             |             |             |             |             |           |          |           |
|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|-----------|
| NO.            | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Factor [dB] | Path [dB] | Air [dB] | Ant. Pol. |
| 1              | 2153.1530   | -40.21      | -13.00      | 27.21       | -8.43       | -46.73    | 38.30    | NA        |
| 2              | 3017.5180   | -57.68      | -13.00      | 44.68       | -9.21       | -47.75    | 38.54    | Vertical  |
| 3              | 3798.7990   | -55.17      | -13.00      | 42.17       | -6.93       | -45.99    | 39.06    | Vertical  |
| 4              | 5519.0190   | -53.64      | -13.00      | 40.64       | -2.30       | -42.76    | 40.46    | Vertical  |
| 5              | 7501.5020   | -45.92      | -13.00      | 32.92       | 10.30       | -35.48    | 45.78    | Vertical  |
| 6              | 11346.3460  | -40.74      | -13.00      | 27.74       | 15.68       | -33.42    | 49.10    | Vertical  |

CA\_13A-66A Mid 13A 10M 66A 20M QPSK 1RB 1-18G V

## Test Graph



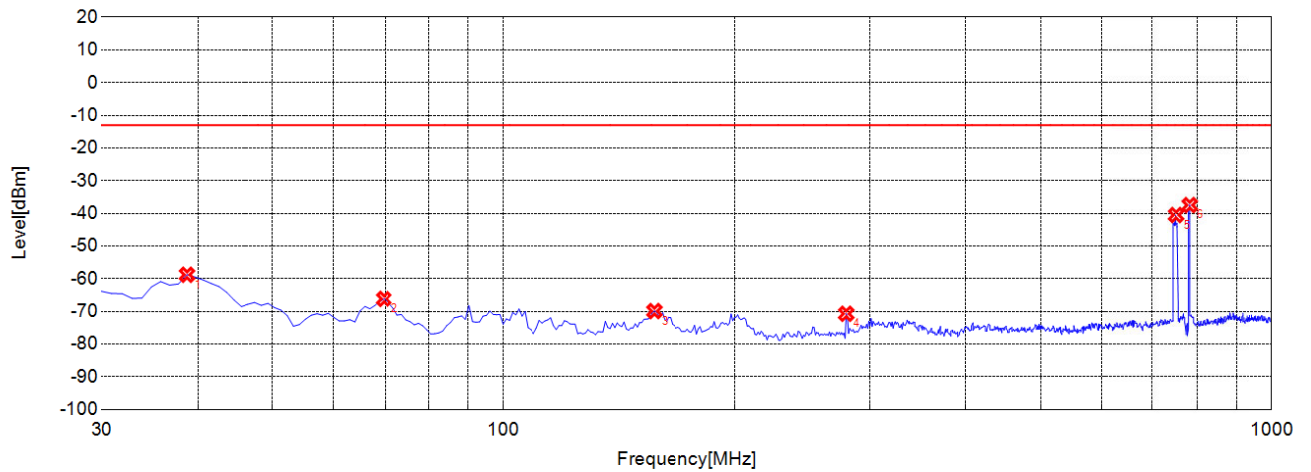
○ Final Test

### 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   | 37.7680        | -56.29         | -13.00         | 43.29          | -8.07          | -39.56       | 31.49       | Horizontal   |
| 2   | 48.4480        | -59.04         | -13.00         | 46.04          | -7.02          | -39.47       | 32.45       | Horizontal   |
| 3   | 90.2000        | -73.92         | -13.00         | 60.92          | -18.92         | -38.71       | 19.79       | Horizontal   |
| 4   | 201.8620       | -74.11         | -13.00         | 61.11          | -14.77         | -37.79       | 23.02       | Horizontal   |
| 5   | 749.4890       | -35.16         | -13.00         | 22.16          | -3.02          | -34.20       | 31.18       | NA           |
| 6   | 782.5030       | -29            | -13.00         | 16.00          | -3.20          | -34.23       | 31.03       | NA           |

CA\_13A-66A Mid 13A 10M 66A 20M QPSK 1RB 30M-1G 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   | 38.7390        | -58.79         | -13.00         | 45.79          | -16.41         | -39.55       | 23.14       | Vertical     |
| 2   | 69.8100        | -66.17         | -13.00         | 53.17          | -18.22         | -39.51       | 21.29       | Vertical     |
| 3   | 157.1970       | -69.9          | -13.00         | 56.90          | -16.90         | -38.47       | 21.57       | Vertical     |
| 4   | 279.5400       | -70.73         | -13.00         | 57.73          | -12.54         | -37.04       | 24.50       | Vertical     |
| 5   | 751.4310       | -40.52         | -13.00         | 27.52          | -2.58          | -34.20       | 31.62       | NA           |
| 6   | 782.5030       | -37.48         | -13.00         | 24.48          | -3.31          | -34.23       | 30.92       | NA           |

CA\_13A-66A Mid 13A 10M 66A 20M QPSK 1RB 30M-1G V

## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

| Test items                          | Uncertainty   |
|-------------------------------------|---------------|
| Output Power                        | $\pm 2.22$ dB |
| Bandwidth                           | $\pm 5\%$     |
| Conducted Spurious Emission         | $\pm 2.77$ dB |
| Band Edge                           | $\pm 2.77$ dB |
| Equivalent Isotropic Radiated Power | $\pm 2.22$ dB |
| Radiated Spurious Emissions         | $\pm 6$ dB    |

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$



## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Company Name:</b> | Shenzhen Morlab Communications Technology Co., Ltd.                                                                              |
| <b>Address:</b>      | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |
| <b>Telephone:</b>    | +86 755 36698555                                                                                                                 |
| <b>Facsimile:</b>    | +86 755 36698525                                                                                                                 |

### 2. Identification of the Responsible Testing Location

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b>    | Shenzhen Morlab Communications Technology Co., Ltd.                                                                              |
| <b>Address:</b> | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipments

| Equipment Name         | Serial No. | Type      | Manufacturer                                   | Cal. Date  | Cal. Due   |
|------------------------|------------|-----------|------------------------------------------------|------------|------------|
| Power Splitter         | NW521      | 1506A     | Weinschel                                      | N/A        | N/A        |
| Attenuator 1           | (N/A.)     | 10dB      | Resnet                                         | N/A        | N/A        |
| Attenuator 2           | (N/A.)     | 3dB       | Resnet                                         | N/A        | N/A        |
| EXA Signal Analyzer    | MY54170556 | N9030A    | Agilent                                        | 2021.01.08 | 2022.01.07 |
| USB Power Sensor       | MY54210011 | U2021XA   | Agilent                                        | 2020.10.23 | 2021.10.22 |
| System Simulator       | 6261830572 | MT8821C   | Anritsu                                        | 2021.02.25 | 2022.02.24 |
| RF cable (30MHz-26GHz) | CB01       | RF01      | Morlab                                         | N/A        | N/A        |
| Coaxial cable          | CB02       | RF02      | Morlab                                         | N/A        | N/A        |
| SMA connector          | CN01       | RF03      | HUBER-SUHNER                                   | N/A        | N/A        |
| Temperature Chamber    | (N/A)      | HUT705P   | CHONGQING HANBA EXPERIMENTAL EQUIPMENT CO.,LTD | 2021.03.17 | 2022.03.16 |
| Computer               | T430i      | Think Pad | Lenovo                                         | N/A        | N/A        |

**4.2 Radiated Test Equipments**

| Equipment Name   | Serial No.   | Type             | Manufacturer    | Cal. Date  | Cal. Due   |
|------------------|--------------|------------------|-----------------|------------|------------|
| Bi-Log Antenna   | VULB 9163    | 9163-274         | SCHWARZBE<br>CK | 2019/11/23 | 2022/11/22 |
| Horn Antenna     | BBHA 9120D   | 9120D-963        | SCHWARZBE<br>CK | 2019/5/24  | 2022/5/23  |
| Horn Antenna     | BBHA9170     | BBHA9170#<br>774 | SCHWARZBE<br>CK | 2019/7/26  | 2022/7/25  |
| Receiver         | N9038A       | MY54130016       | Agilent         | 2021/7/16  | 2022/7/15  |
| Preamplifier     | S020180L3203 | 61171/61172      | LUCIX CORP.     | 2021/7/16  | 2022/7/15  |
| Preamplifier     | S10M100L3802 | 46732            | LUCIX CORP.     | 2021/7/16  | 2022/7/15  |
| Preamplifier     | S180265M3001 | 46732            | LUCIX CORP.     | 2021/7/16  | 2022/7/15  |
| System Simulator | CMW500       | 152038           | R&S             | 2020/11/19 | 2021/11/18 |

————— END OF REPORT —————