

|                     |                               |                           |            |
|---------------------|-------------------------------|---------------------------|------------|
| <b>Product Name</b> | Smart Cooker                  | <b>Test Date</b>          | 2018/07/25 |
| <b>Model</b>        | CK8522                        | <b>Test By</b>            | Ted Huang  |
| <b>Test Mode</b>    | IEEE 802.11n HT20 TX (CH Low) | <b>TEMP&amp; Humidity</b> | 28.6℃, 57% |

| TX / IEEE 802.11n HT20 mode / CH Low |         |        |            | Measurement Distance at 3m |        |          |          | Horizontal polarity |         |
|--------------------------------------|---------|--------|------------|----------------------------|--------|----------|----------|---------------------|---------|
| Freq.                                | Reading | AF     | Cable Loss | Pre-amp                    | Filter | Level    | Limit    | Margin              | Mark    |
| (MHz)                                | (dBμV)  | (dB/m) | (dB)       | (dB)                       | (dB)   | (dBμV/m) | (dBμV/m) | (dB)                | (P/Q/A) |
| * 1319.95                            | 63.78   | 25.74  | 2.15       | 45.17                      | 0.44   | 46.95    | 74.00    | -27.05              | P       |
| * 1319.95                            | 58.92   | 25.74  | 2.15       | 45.17                      | 0.44   | 42.09    | 54.00    | -11.91              | A       |
| * 4827.48                            | 58.85   | 32.98  | 4.39       | 44.32                      | 0.22   | 52.12    | 74.00    | -21.88              | P       |
| * 4827.48                            | 47.77   | 32.98  | 4.39       | 44.32                      | 0.22   | 41.04    | 54.00    | -12.96              | A       |
| N/A                                  | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----               | P       |
| N/A                                  | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----               | A       |

| TX / IEEE 802.11n HT20 mode / CH Low |         |        |            | Measurement Distance at 3m |        |          |          | Vertical polarity |         |
|--------------------------------------|---------|--------|------------|----------------------------|--------|----------|----------|-------------------|---------|
| Freq.                                | Reading | AF     | Cable Loss | Pre-amp                    | Filter | Level    | Limit    | Margin            | Mark    |
| (MHz)                                | (dBμV)  | (dB/m) | (dB)       | (dB)                       | (dB)   | (dBμV/m) | (dBμV/m) | (dB)              | (P/Q/A) |
| * 1560.96                            | 61.48   | 26.98  | 2.36       | 44.98                      | 0.52   | 46.36    | 74.00    | -27.64            | P       |
| * 1560.96                            | 55.38   | 26.98  | 2.36       | 44.98                      | 0.52   | 40.26    | 54.00    | -13.74            | A       |
| * 4824.23                            | 58.22   | 32.97  | 4.39       | 44.32                      | 0.22   | 51.48    | 74.00    | -22.52            | P       |
| * 4824.23                            | 46.93   | 32.97  | 4.39       | 44.32                      | 0.22   | 40.19    | 54.00    | -13.81            | A       |
| N/A                                  | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----             | P       |
| N/A                                  | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----             | A       |

## REMARK:

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss
2. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. The result basic equation calculation is as follow:  
Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. The other emission levels were 20dB below the limit
5. The test limit distance is 3M limit.
6. \* = Restricted bands of operation

|                     |                                  |                           |            |
|---------------------|----------------------------------|---------------------------|------------|
| <b>Product Name</b> | Smart Cooker                     | <b>Test Date</b>          | 2018/07/25 |
| <b>Model</b>        | CK8522                           | <b>Test By</b>            | Ted Huang  |
| <b>Test Mode</b>    | IEEE 802.11n HT20 TX (CH Middle) | <b>TEMP&amp; Humidity</b> | 28.6℃, 57% |

| TX / IEEE 802.11n HT20 mode / CH Middle |         |        |            |         | Measurement Distance at 3m |          | Horizontal polarity |        |         |
|-----------------------------------------|---------|--------|------------|---------|----------------------------|----------|---------------------|--------|---------|
| Freq.                                   | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit               | Margin | Mark    |
| (MHz)                                   | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m)            | (dB)   | (P/Q/A) |
| * 1320.08                               | 63.33   | 25.74  | 2.15       | 45.17   | 0.44                       | 46.50    | 74.00               | -27.50 | P       |
| * 1320.08                               | 58.52   | 25.74  | 2.15       | 45.17   | 0.44                       | 41.69    | 54.00               | -12.31 | A       |
| * 4876.63                               | 56.67   | 33.13  | 4.41       | 44.34   | 0.23                       | 50.11    | 74.00               | -23.89 | P       |
| * 4876.63                               | 46.39   | 33.13  | 4.41       | 44.34   | 0.23                       | 39.83    | 54.00               | -14.17 | A       |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----               | -----  | P       |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----               | -----  | A       |

| TX / IEEE 802.11n HT20 mode / CH Middle |         |        |            |         | Measurement Distance at 3m |          | Vertical polarity |        |         |
|-----------------------------------------|---------|--------|------------|---------|----------------------------|----------|-------------------|--------|---------|
| Freq.                                   | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit             | Margin | Mark    |
| (MHz)                                   | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m)          | (dB)   | (P/Q/A) |
| * 1560.88                               | 60.86   | 26.97  | 2.36       | 44.98   | 0.52                       | 45.74    | 74.00             | -28.26 | P       |
| * 1560.88                               | 55.25   | 26.97  | 2.36       | 44.98   | 0.52                       | 40.13    | 54.00             | -13.87 | A       |
| * 4878.00                               | 58.47   | 33.13  | 4.41       | 44.34   | 0.23                       | 51.91    | 74.00             | -22.09 | P       |
| * 4878.00                               | 47.79   | 33.13  | 4.41       | 44.34   | 0.23                       | 41.23    | 54.00             | -12.77 | A       |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----             | -----  | P       |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----             | -----  | A       |

## REMARK:

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss
2. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. The result basic equation calculation is as follow:  
Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. The other emission levels were 20dB below the limit
5. The test limit distance is 3M limit.
6. \* = Restricted bands of operation

|                     |                                |                           |            |
|---------------------|--------------------------------|---------------------------|------------|
| <b>Product Name</b> | Smart Cooker                   | <b>Test Date</b>          | 2018/07/25 |
| <b>Model</b>        | CK8522                         | <b>Test By</b>            | Ted Huang  |
| <b>Test Mode</b>    | IEEE 802.11n HT20 TX (CH High) | <b>TEMP&amp; Humidity</b> | 28.6℃, 57% |

| TX / IEEE 802.11n HT20 mode / CH High |         |        |            |         | Measurement Distance at 3m |          |          |        | Horizontal polarity |  |
|---------------------------------------|---------|--------|------------|---------|----------------------------|----------|----------|--------|---------------------|--|
| Freq.                                 | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit    | Margin | Mark                |  |
| (MHz)                                 | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m) | (dB)   | (P/Q/A)             |  |
| * 1320.05                             | 63.75   | 25.74  | 2.15       | 45.17   | 0.44                       | 46.92    | 74.00    | -27.08 | P                   |  |
| * 1320.05                             | 59.15   | 25.74  | 2.15       | 45.17   | 0.44                       | 42.32    | 54.00    | -11.68 | A                   |  |
| * 4923.43                             | 57.25   | 33.27  | 4.44       | 44.35   | 0.23                       | 50.84    | 74.00    | -23.16 | P                   |  |
| * 4923.43                             | 46.72   | 33.27  | 4.44       | 44.35   | 0.23                       | 40.31    | 54.00    | -13.69 | A                   |  |
| N/A                                   | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | P                   |  |
| N/A                                   | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | A                   |  |

| TX / IEEE 802.11n HT20 mode / CH High |         |        |            |         | Measurement Distance at 3m |          |          |        | Vertical polarity |  |
|---------------------------------------|---------|--------|------------|---------|----------------------------|----------|----------|--------|-------------------|--|
| Freq.                                 | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit    | Margin | Mark              |  |
| (MHz)                                 | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m) | (dB)   | (P/Q/A)           |  |
| * 1561.14                             | 60.58   | 26.98  | 2.36       | 44.98   | 0.52                       | 45.46    | 74.00    | -28.54 | P                 |  |
| * 1561.14                             | 54.76   | 26.98  | 2.36       | 44.98   | 0.52                       | 39.64    | 54.00    | -14.36 | A                 |  |
| * 4922.08                             | 56.59   | 33.27  | 4.44       | 44.35   | 0.23                       | 50.18    | 74.00    | -23.82 | P                 |  |
| * 4922.08                             | 45.78   | 33.27  | 4.44       | 44.35   | 0.23                       | 39.37    | 54.00    | -14.63 | A                 |  |
| N/A                                   | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | P                 |  |
| N/A                                   | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | A                 |  |

## REMARK:

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss
2. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. The result basic equation calculation is as follow:  
Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. The other emission levels were 20dB below the limit
5. The test limit distance is 3M limit.
6. \* = Restricted bands of operation

|                     |                               |                           |            |
|---------------------|-------------------------------|---------------------------|------------|
| <b>Product Name</b> | Smart Cooker                  | <b>Test Date</b>          | 2018/07/25 |
| <b>Model</b>        | CK8522                        | <b>Test By</b>            | Ted Huang  |
| <b>Test Mode</b>    | IEEE 802.11n HT40 TX (CH Low) | <b>TEMP&amp; Humidity</b> | 28.6℃, 57% |

| TX / IEEE 802.11n HT40 mode / CH Low |         |        |            |         | Measurement Distance at 3m |          |          |        | Horizontal polarity |  |
|--------------------------------------|---------|--------|------------|---------|----------------------------|----------|----------|--------|---------------------|--|
| Freq.                                | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit    | Margin | Mark                |  |
| (MHz)                                | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m) | (dB)   | (P/Q/A)             |  |
| * 1320.12                            | 64.08   | 25.74  | 2.15       | 45.17   | 0.44                       | 47.25    | 74.00    | -26.75 | P                   |  |
| * 1320.12                            | 59.28   | 25.74  | 2.15       | 45.17   | 0.44                       | 42.45    | 54.00    | -11.55 | A                   |  |
| * 4844.22                            | 56.27   | 33.03  | 4.40       | 44.33   | 0.22                       | 49.59    | 74.00    | -24.41 | P                   |  |
| * 4844.22                            | 45.99   | 33.03  | 4.40       | 44.33   | 0.22                       | 39.31    | 54.00    | -14.69 | A                   |  |
| N/A                                  | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | P                   |  |
| N/A                                  | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | A                   |  |

| TX / IEEE 802.11n HT40 mode / CH Low |         |        |            |         | Measurement Distance at 3m |          |          |        | Vertical polarity |  |
|--------------------------------------|---------|--------|------------|---------|----------------------------|----------|----------|--------|-------------------|--|
| Freq.                                | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit    | Margin | Mark              |  |
| (MHz)                                | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m) | (dB)   | (P/Q/A)           |  |
| * 1561.23                            | 60.72   | 26.98  | 2.36       | 44.98   | 0.52                       | 45.60    | 74.00    | -28.40 | P                 |  |
| * 1561.23                            | 54.85   | 26.98  | 2.36       | 44.98   | 0.52                       | 39.73    | 54.00    | -14.27 | A                 |  |
| * 4844.54                            | 56.62   | 33.03  | 4.40       | 44.33   | 0.23                       | 49.95    | 74.00    | -24.05 | P                 |  |
| * 4844.54                            | 46.50   | 33.03  | 4.40       | 44.33   | 0.23                       | 39.83    | 54.00    | -14.17 | A                 |  |
| N/A                                  | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | P                 |  |
| N/A                                  | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | A                 |  |

## REMARK:

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss
2. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. The result basic equation calculation is as follow:  
Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. The other emission levels were 20dB below the limit
5. The test limit distance is 3M limit.
6. \* = Restricted bands of operation

|              |                                  |                |              |
|--------------|----------------------------------|----------------|--------------|
| Product Name | Smart Cooker                     | Test Date      | 2018/07/25   |
| Model        | CK8522                           | Test By        | Ted Huang    |
| Test Mode    | IEEE 802.11n HT40 TX (CH Middle) | TEMP& Humidity | 28.6°C , 57% |

| TX / IEEE 802.11n HT40 mode / CH Middle |         |        |            |         | Measurement Distance at 3m |          |          |        | Horizontal polarity |  |
|-----------------------------------------|---------|--------|------------|---------|----------------------------|----------|----------|--------|---------------------|--|
| Freq.                                   | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit    | Margin | Mark                |  |
| (MHz)                                   | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m) | (dB)   | (P/Q/A)             |  |
| * 1319.90                               | 63.52   | 25.74  | 2.15       | 45.17   | 0.44                       | 46.69    | 74.00    | -27.31 | P                   |  |
| * 1319.90                               | 58.76   | 25.74  | 2.15       | 45.17   | 0.44                       | 41.93    | 54.00    | -12.07 | A                   |  |
| * 4879.88                               | 57.35   | 33.14  | 4.42       | 44.34   | 0.23                       | 50.79    | 74.00    | -23.21 | P                   |  |
| * 4879.88                               | 46.03   | 33.14  | 4.42       | 44.34   | 0.23                       | 39.48    | 54.00    | -14.52 | A                   |  |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | P                   |  |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | A                   |  |

| TX / IEEE 802.11n HT40 mode / CH Middle |         |        |            |         | Measurement Distance at 3m |          |          |        | Vertical polarity |  |
|-----------------------------------------|---------|--------|------------|---------|----------------------------|----------|----------|--------|-------------------|--|
| Freq.                                   | Reading | AF     | Cable Loss | Pre-amp | Filter                     | Level    | Limit    | Margin | Mark              |  |
| (MHz)                                   | (dBμV)  | (dB/m) | (dB)       | (dB)    | (dB)                       | (dBμV/m) | (dBμV/m) | (dB)   | (P/Q/A)           |  |
| * 1561.06                               | 61.68   | 26.98  | 2.36       | 44.98   | 0.52                       | 46.56    | 74.00    | -27.44 | P                 |  |
| * 1561.06                               | 55.46   | 26.98  | 2.36       | 44.98   | 0.52                       | 40.34    | 54.00    | -13.66 | A                 |  |
| * 4875.28                               | 56.47   | 33.13  | 4.41       | 44.34   | 0.23                       | 49.90    | 74.00    | -24.10 | P                 |  |
| * 4875.28                               | 45.88   | 33.13  | 4.41       | 44.34   | 0.23                       | 39.31    | 54.00    | -14.69 | A                 |  |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | P                 |  |
| N/A                                     | -----   | -----  | -----      | -----   | -----                      | -----    | -----    | -----  | A                 |  |

## REMARK:

1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss
2. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. The result basic equation calculation is as follow:  
Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. The other emission levels were 20dB below the limit
5. The test limit distance is 3M limit.
6. \* = Restricted bands of operation

|                     |                                |                           |            |
|---------------------|--------------------------------|---------------------------|------------|
| <b>Product Name</b> | Smart Cooker                   | <b>Test Date</b>          | 2018/07/25 |
| <b>Model</b>        | CK8522                         | <b>Test By</b>            | Ted Huang  |
| <b>Test Mode</b>    | IEEE 802.11n HT40 TX (CH High) | <b>TEMP&amp; Humidity</b> | 28.6℃, 57% |

| TX / IEEE 802.11n HT40 mode / CH High |         |        |            | Measurement Distance at 3m |        |          |          | Horizontal polarity |         |
|---------------------------------------|---------|--------|------------|----------------------------|--------|----------|----------|---------------------|---------|
| Freq.                                 | Reading | AF     | Cable Loss | Pre-amp                    | Filter | Level    | Limit    | Margin              | Mark    |
| (MHz)                                 | (dBμV)  | (dB/m) | (dB)       | (dB)                       | (dB)   | (dBμV/m) | (dBμV/m) | (dB)                | (P/Q/A) |
| * 1320.26                             | 63.65   | 25.75  | 2.15       | 45.17                      | 0.44   | 46.82    | 74.00    | -27.18              | P       |
| * 1320.26                             | 58.72   | 25.75  | 2.15       | 45.17                      | 0.44   | 41.89    | 54.00    | -12.11              | A       |
| * 4900.00                             | 57.08   | 33.20  | 4.43       | 44.34                      | 0.23   | 50.60    | 74.00    | -23.40              | P       |
| * 4900.00                             | 46.09   | 33.20  | 4.43       | 44.34                      | 0.23   | 39.60    | 54.00    | -14.40              | A       |
| N/A                                   | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----               | P       |
| N/A                                   | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----               | A       |

| TX / IEEE 802.11n HT40 mode / CH High |         |        |            | Measurement Distance at 3m |        |          |          | Vertical polarity |         |
|---------------------------------------|---------|--------|------------|----------------------------|--------|----------|----------|-------------------|---------|
| Freq.                                 | Reading | AF     | Cable Loss | Pre-amp                    | Filter | Level    | Limit    | Margin            | Mark    |
| (MHz)                                 | (dBμV)  | (dB/m) | (dB)       | (dB)                       | (dB)   | (dBμV/m) | (dBμV/m) | (dB)              | (P/Q/A) |
| * 1560.85                             | 60.76   | 26.97  | 2.36       | 44.98                      | 0.52   | 45.64    | 74.00    | -28.36            | P       |
| * 1560.85                             | 55.13   | 26.97  | 2.36       | 44.98                      | 0.52   | 40.01    | 54.00    | -13.99            | A       |
| * 4899.98                             | 57.48   | 33.20  | 4.43       | 44.34                      | 0.23   | 50.99    | 74.00    | -23.01            | P       |
| * 4899.98                             | 46.61   | 33.20  | 4.43       | 44.34                      | 0.23   | 40.12    | 54.00    | -13.88            | A       |
| N/A                                   | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----             | P       |
| N/A                                   | -----   | -----  | -----      | -----                      | -----  | -----    | -----    | -----             | A       |

## REMARK:

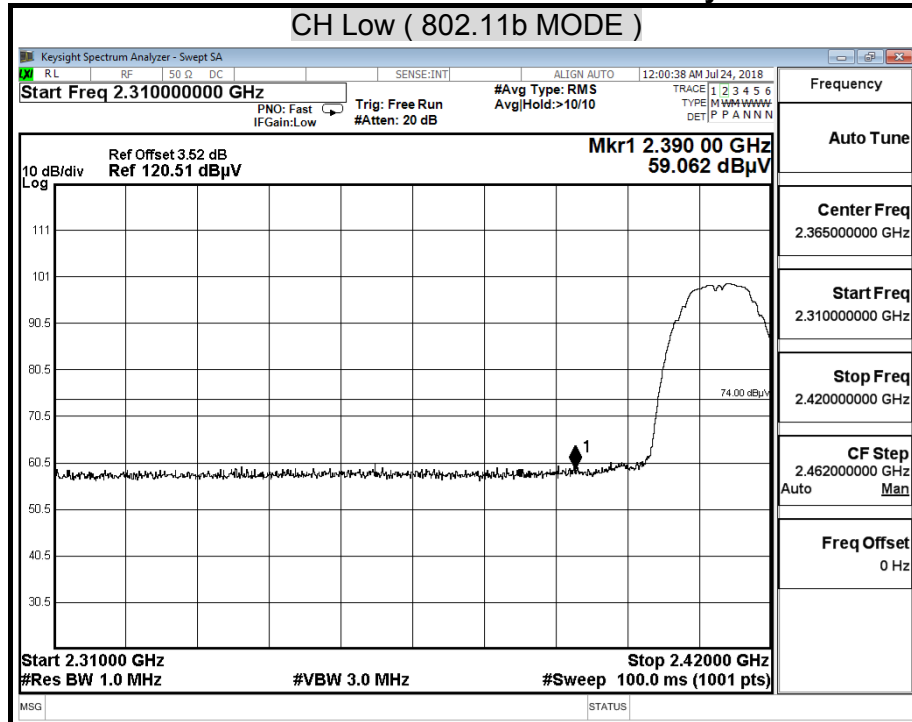
1. AF: Antenna Factor, Cable: Cable Loss, Pre-Amp: Preamplifier gain, Filter: 2.4GHz~2.5GHz Filter Insertion Loss
2. Spectrum analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. The result basic equation calculation is as follow:  
Level = Reading + AF + Cable – Preamp + Filter , Margin = Level-Limit
4. The other emission levels were 20dB below the limit
5. The test limit distance is 3M limit.
6. \* = Restricted bands of operation

## 8.6.4 RESTRICTED BAND EDGES

|                 |             |           |            |
|-----------------|-------------|-----------|------------|
| Model Name      | CK8522      | Test By   | Ted Huang  |
| Temp & Humidity | 26.5°C, 54% | Test Date | 2018/07/25 |

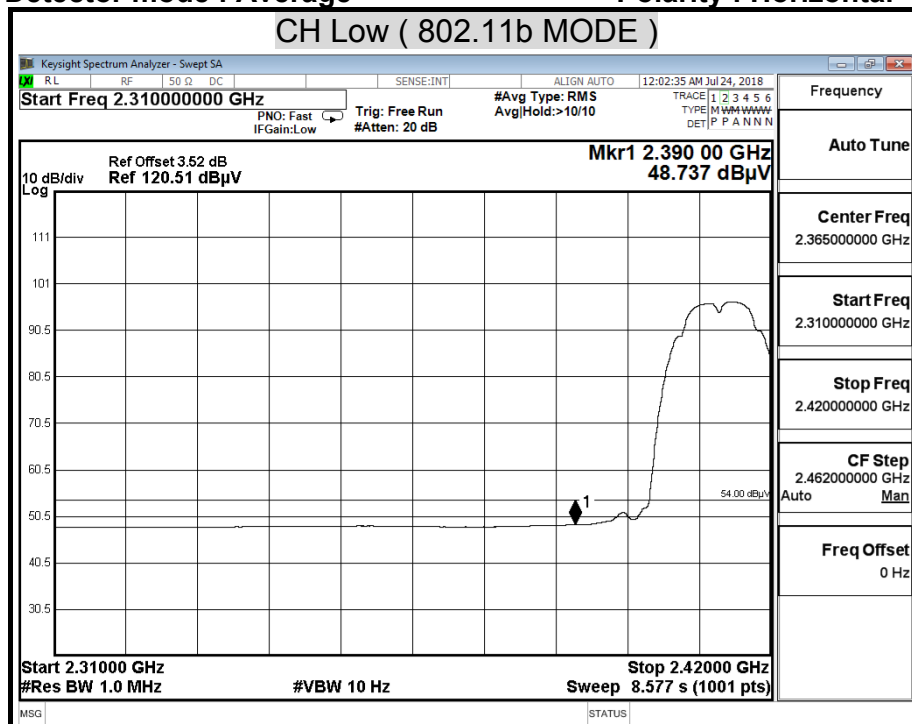
Detector mode : Peak

Polarity : Horizontal



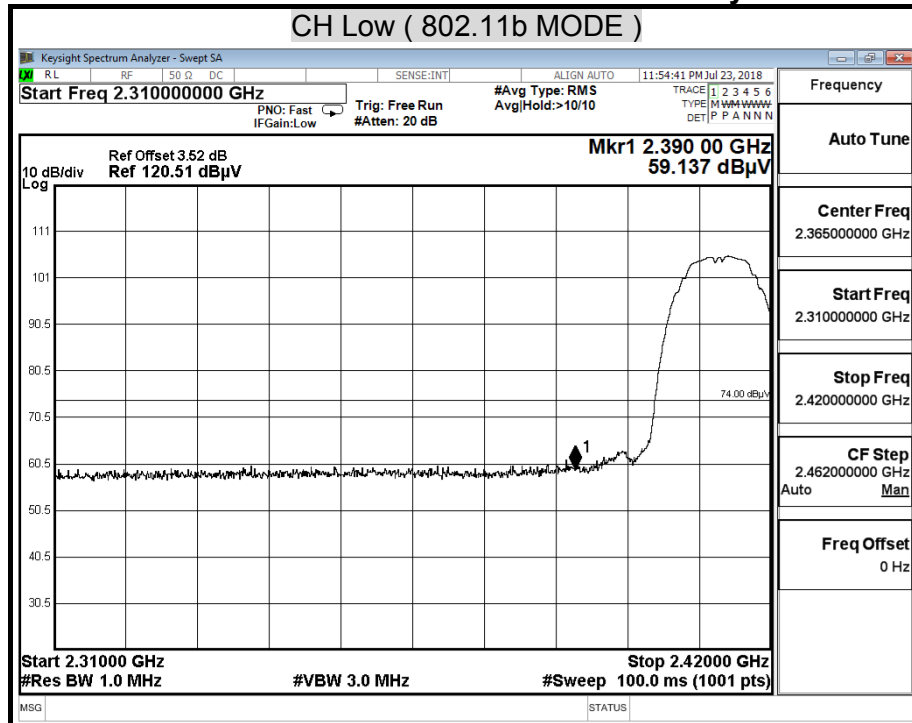
Detector mode : Average

Polarity : Horizontal



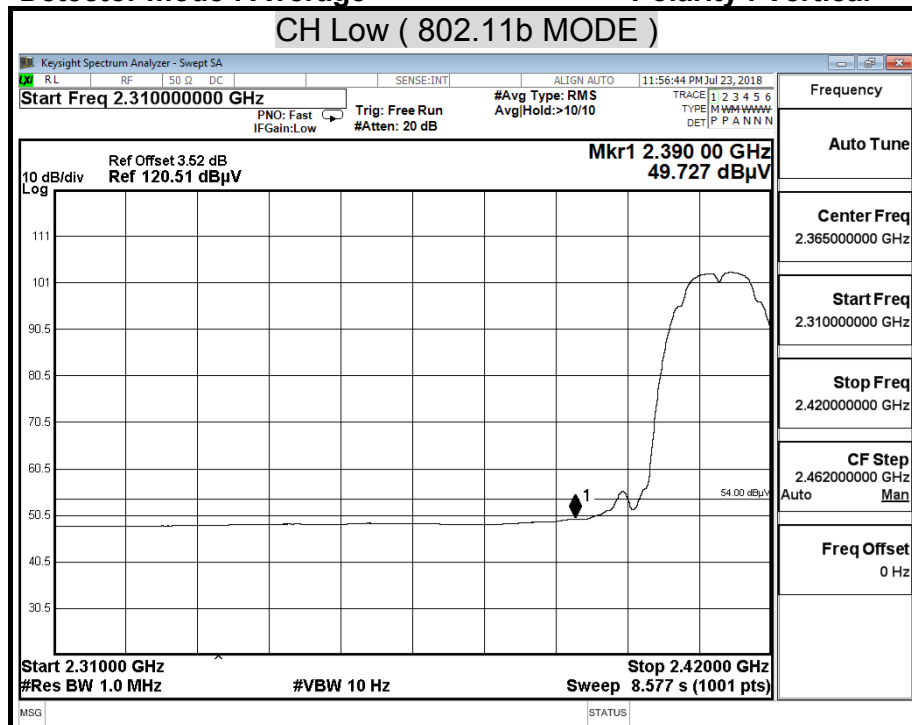
Detector mode : Peak

Polarity : Vertical



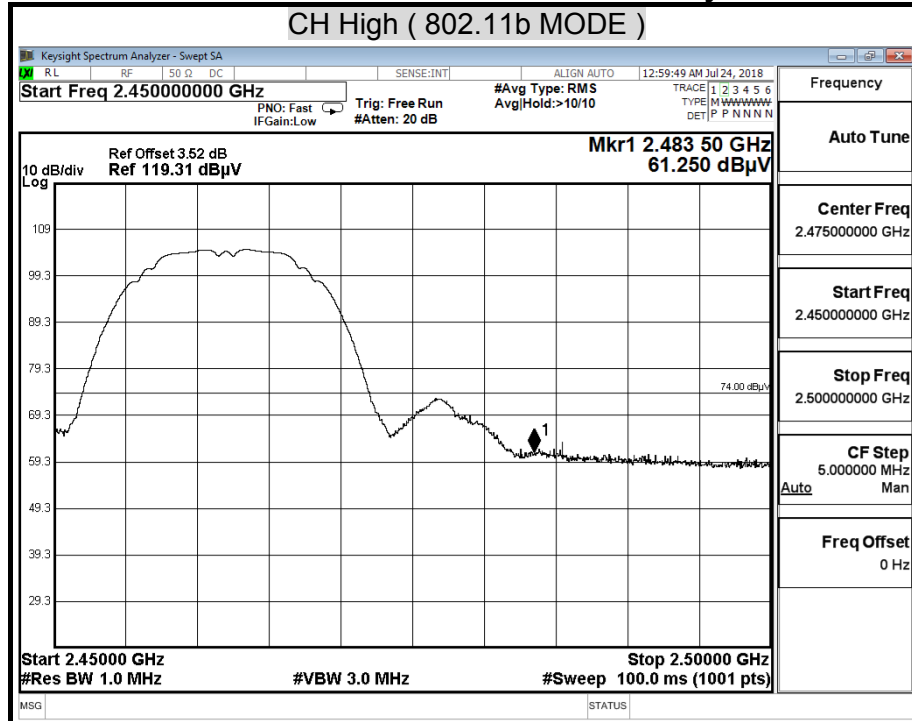
Detector mode : Average

Polarity : Vertical



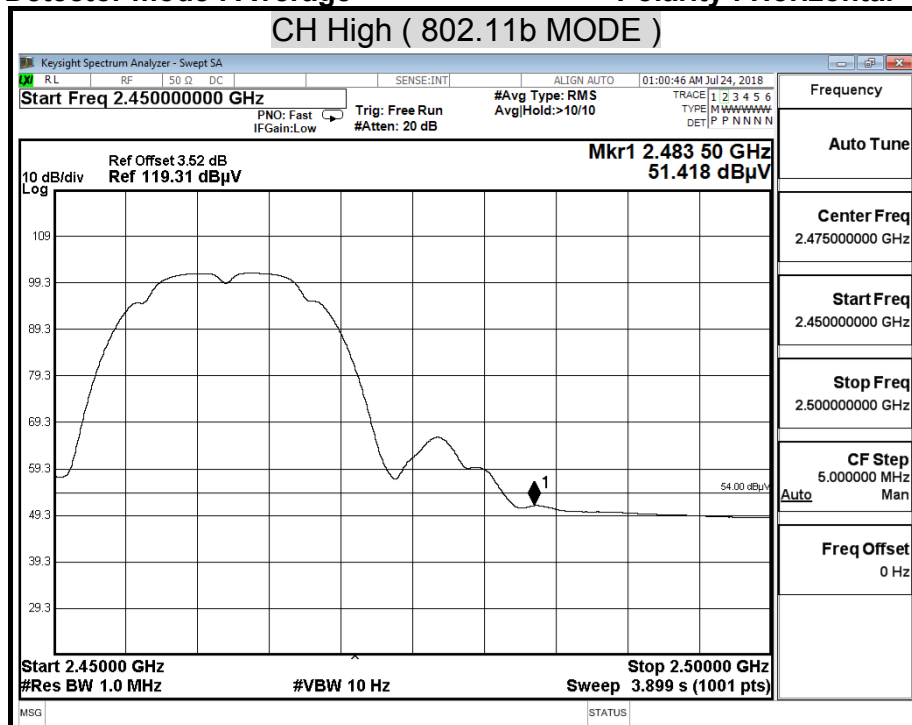
Detector mode : Peak

Polarity : Horizontal



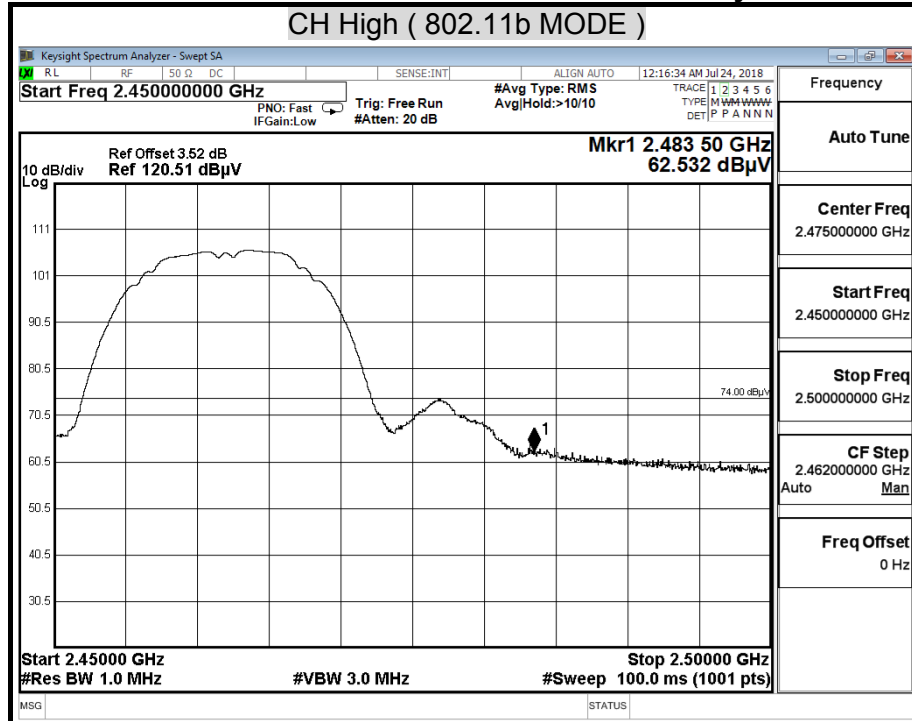
Detector mode : Average

Polarity : Horizontal



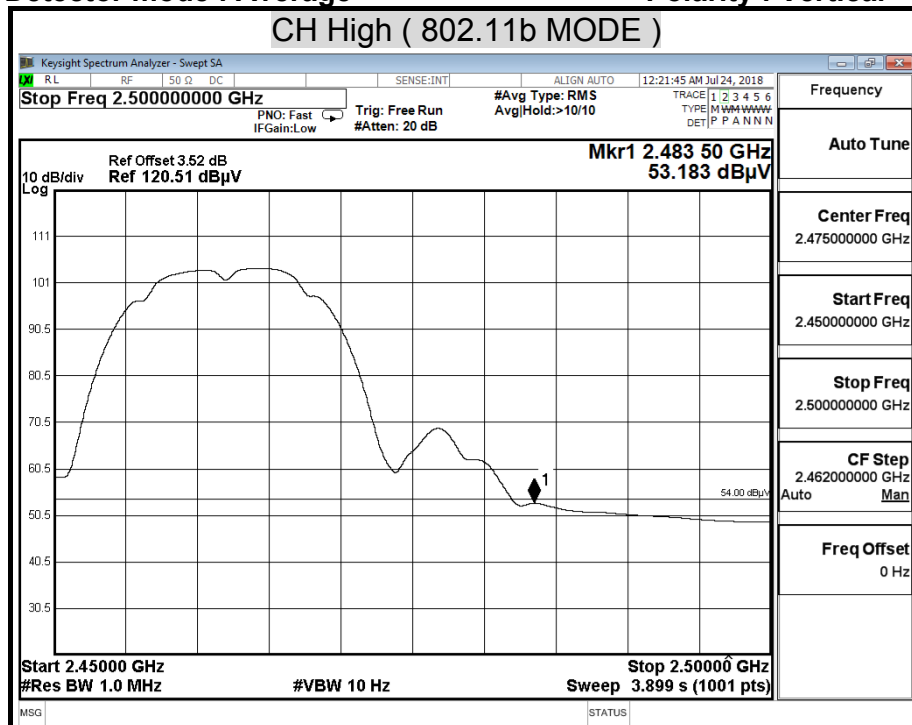
Detector mode : Peak

Polarity : Vertical



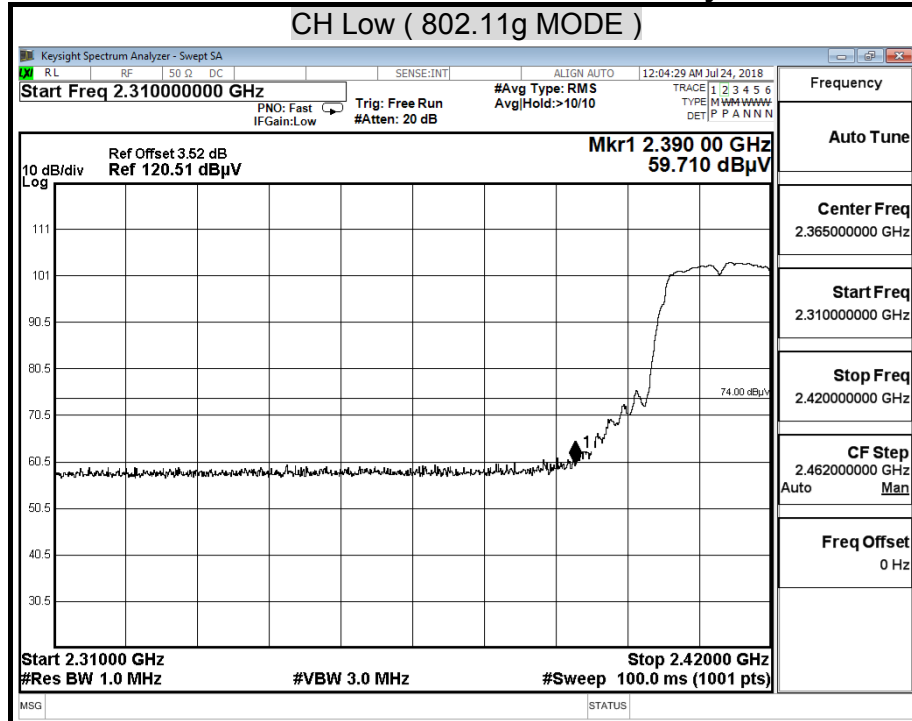
Detector mode : Average

Polarity : Vertical



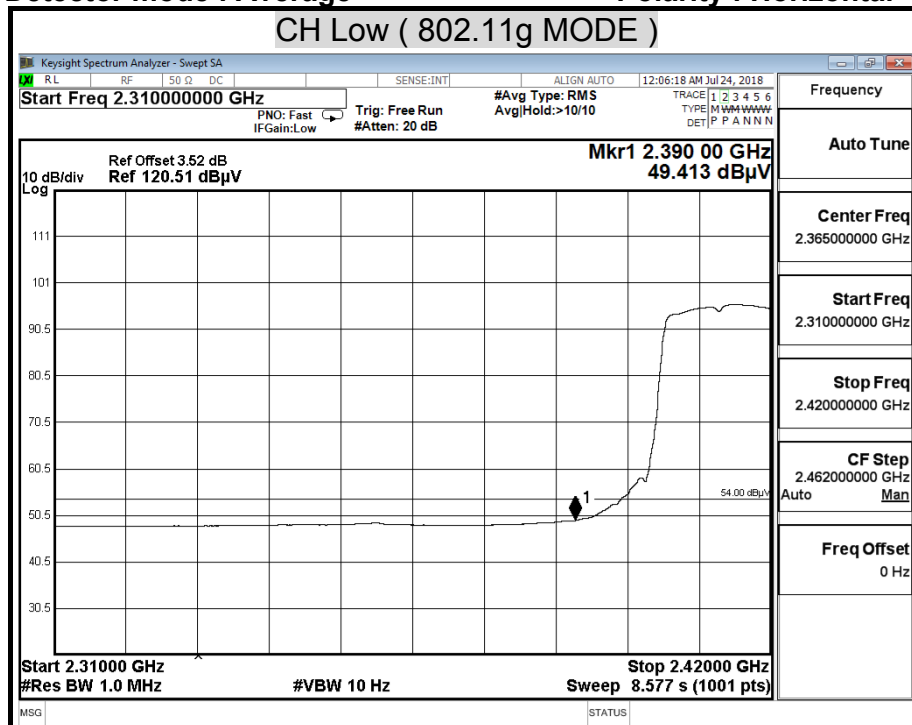
Detector mode : Peak

Polarity : Horizontal



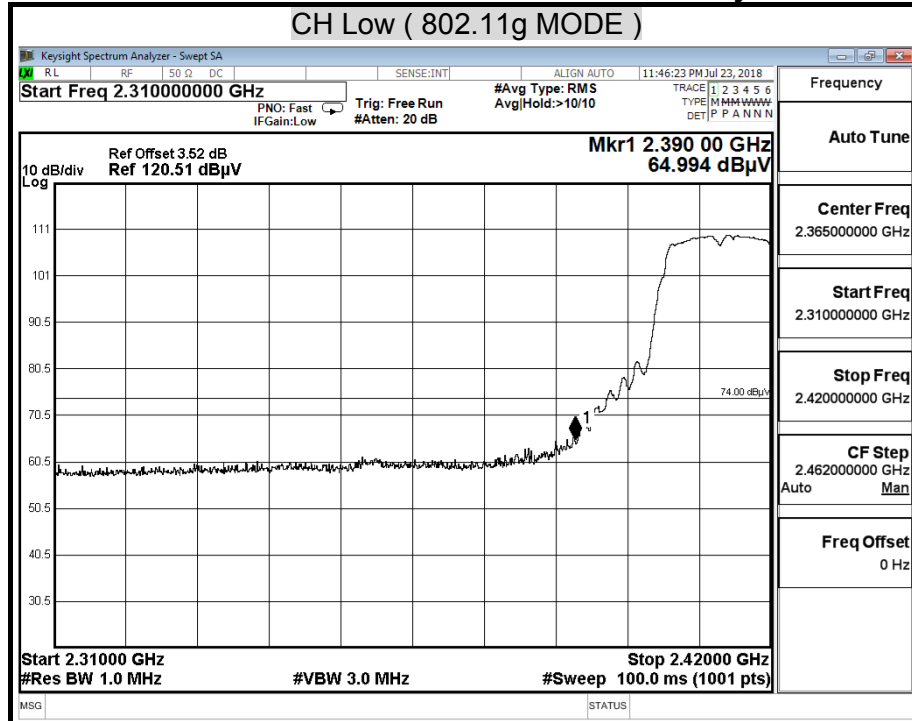
Detector mode : Average

Polarity : Horizontal



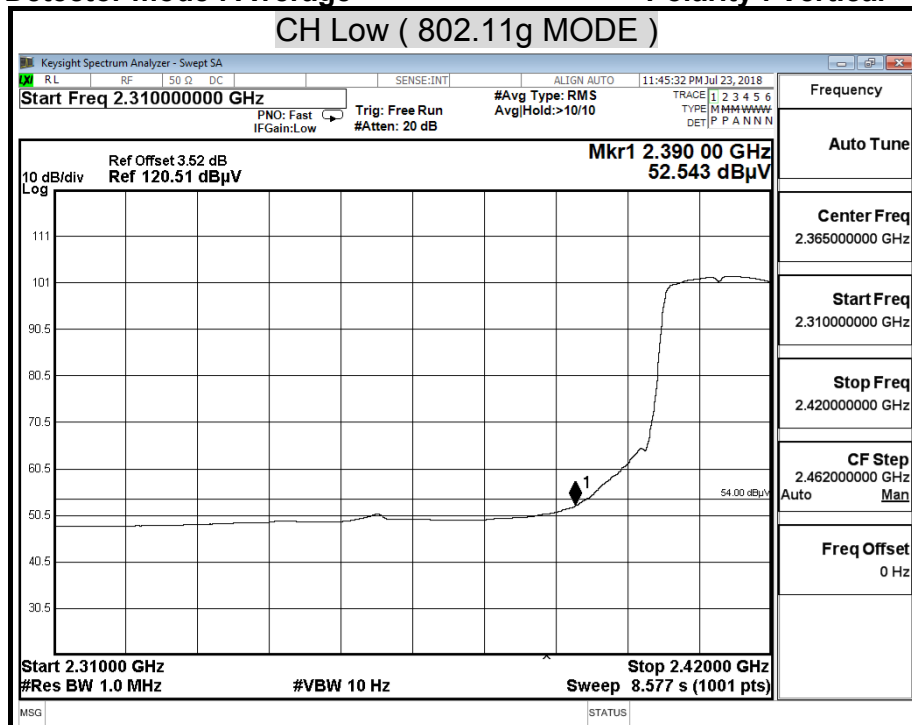
Detector mode : Peak

Polarity : Vertical



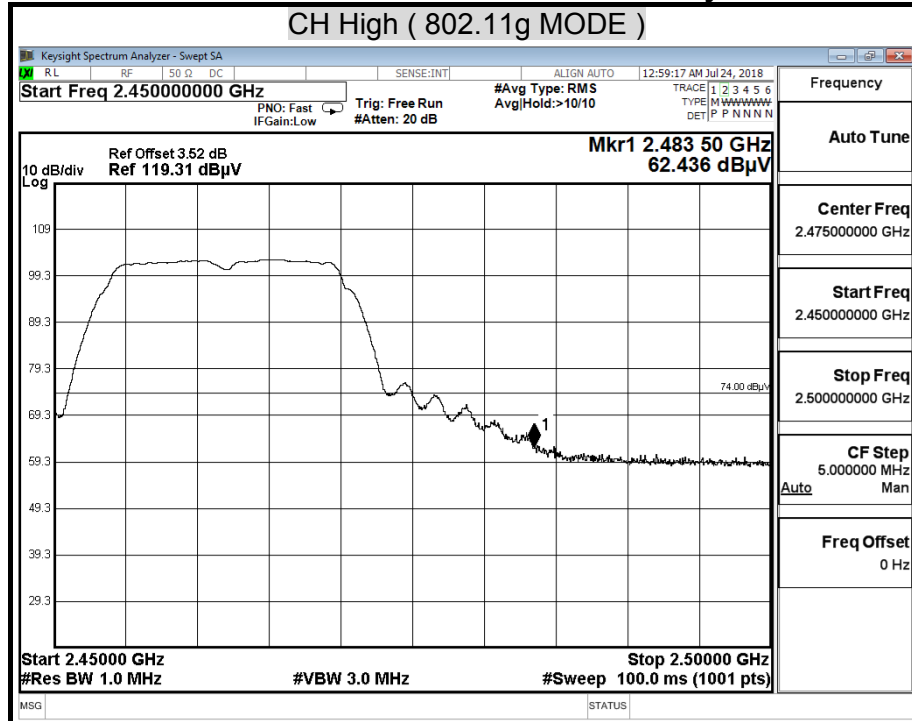
Detector mode : Average

Polarity : Vertical



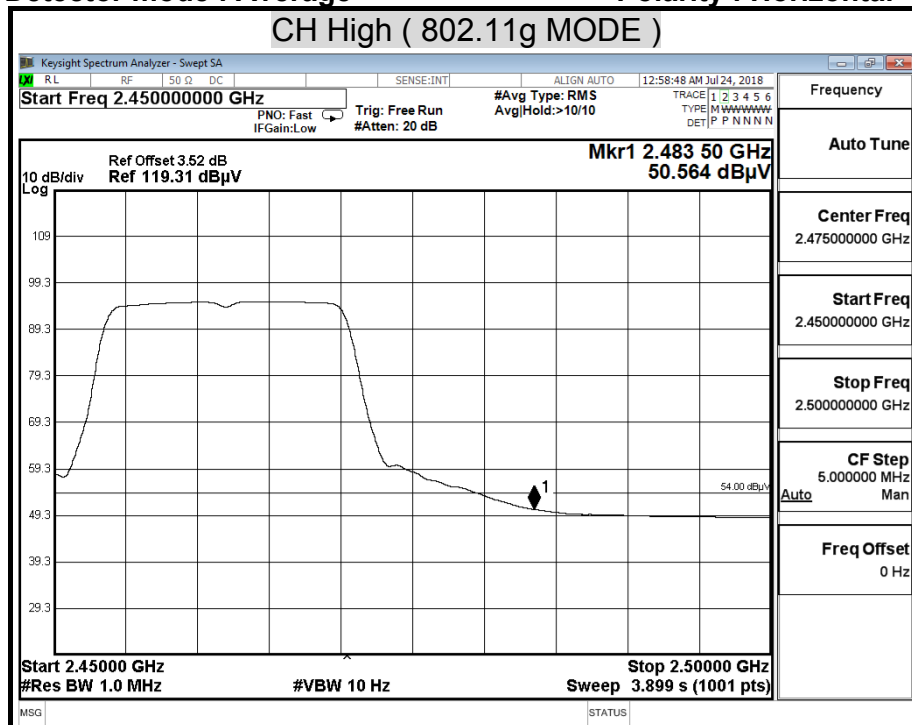
Detector mode : Peak

Polarity : Horizontal



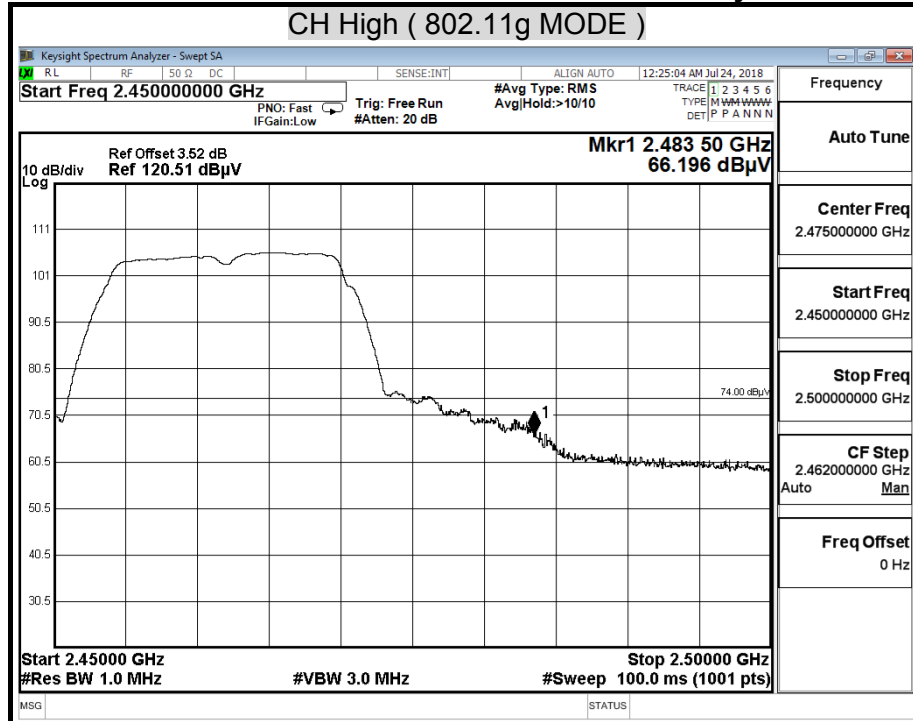
Detector mode : Average

Polarity : Horizontal



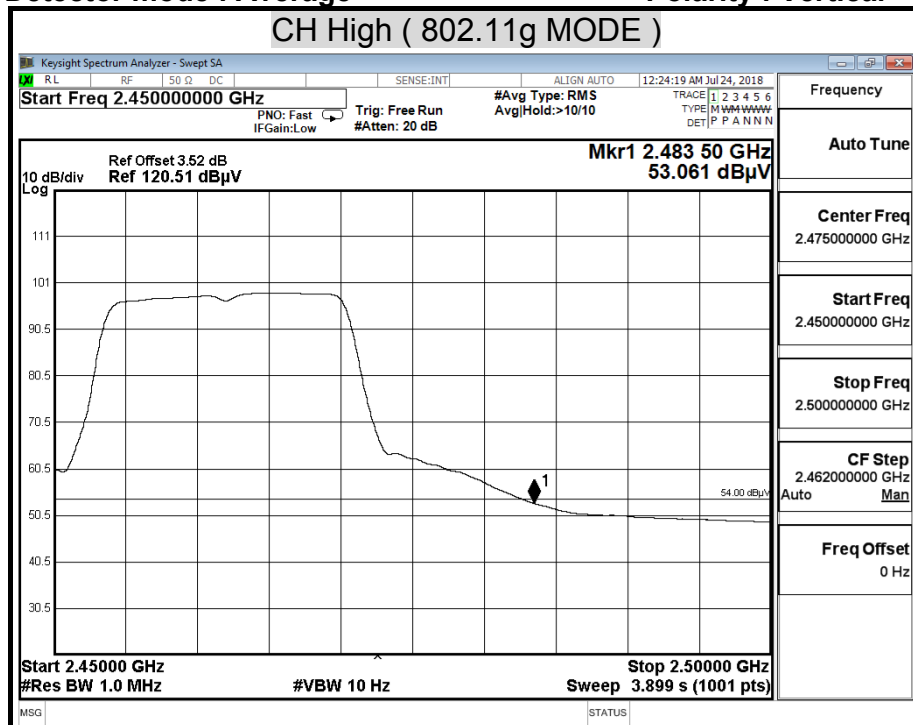
Detector mode : Peak

Polarity : Vertical



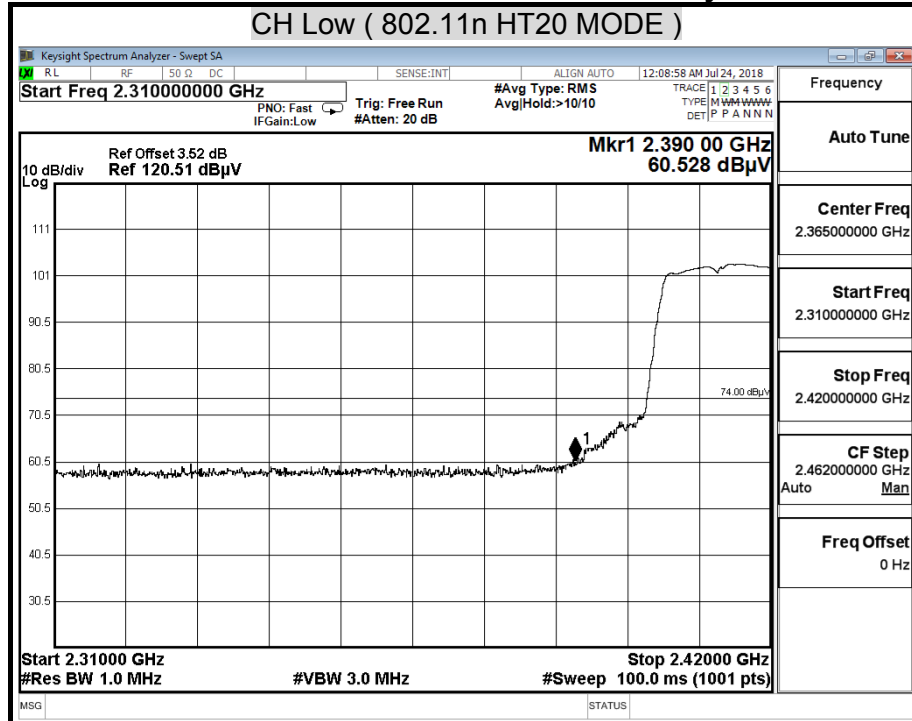
Detector mode : Average

Polarity : Vertical



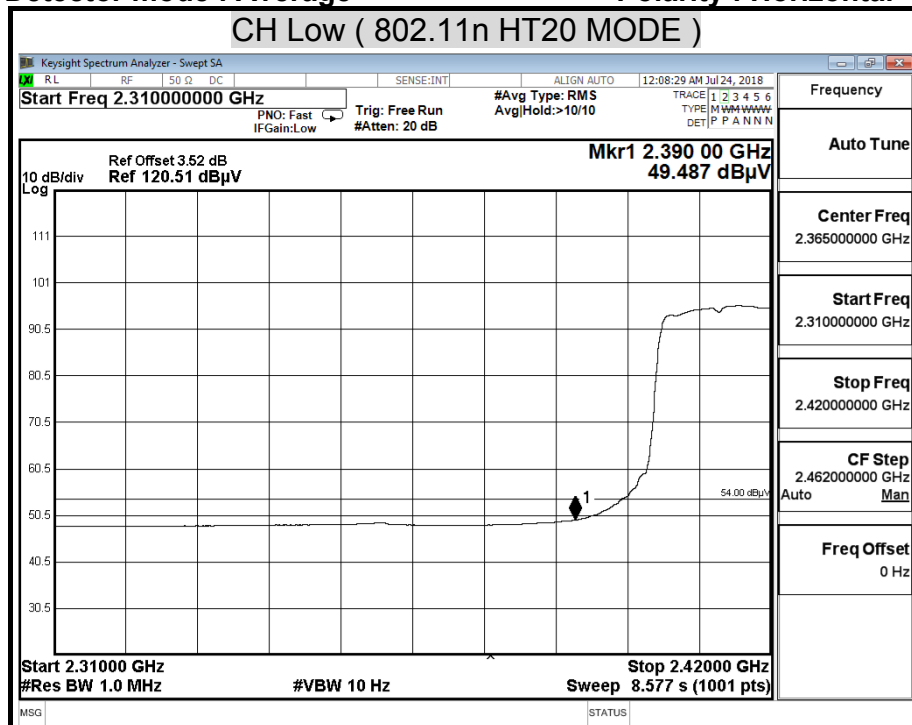
Detector mode : Peak

Polarity : Horizontal



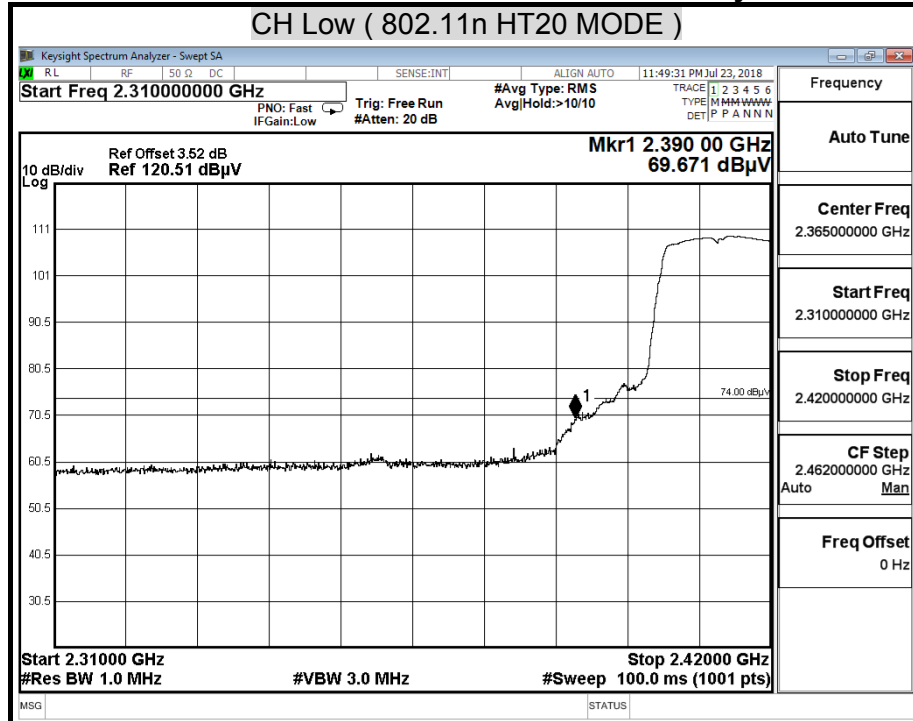
Detector mode : Average

Polarity : Horizontal



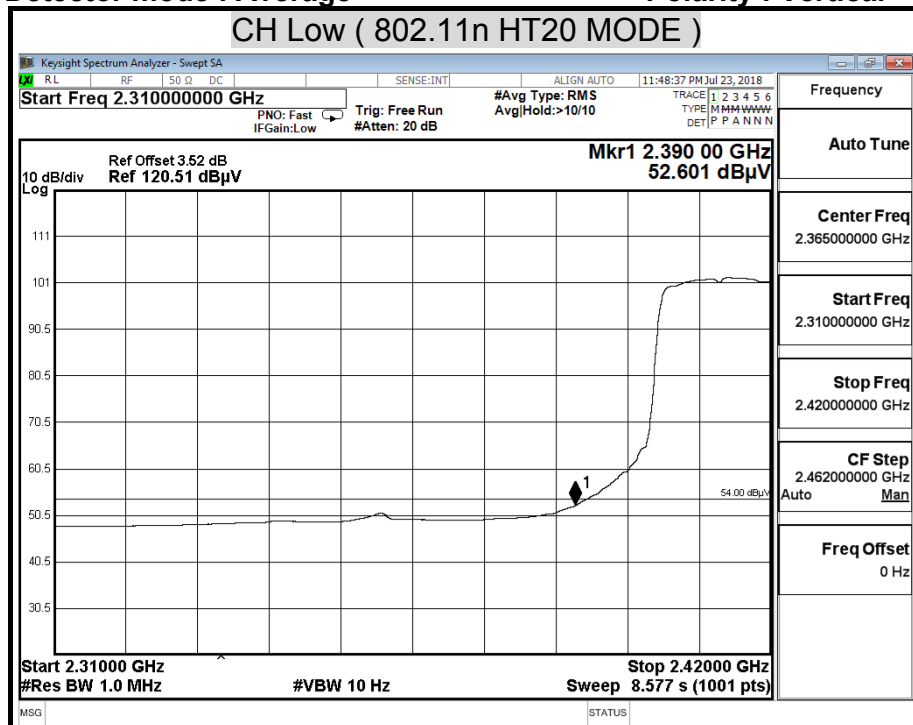
Detector mode : Peak

Polarity : Vertical



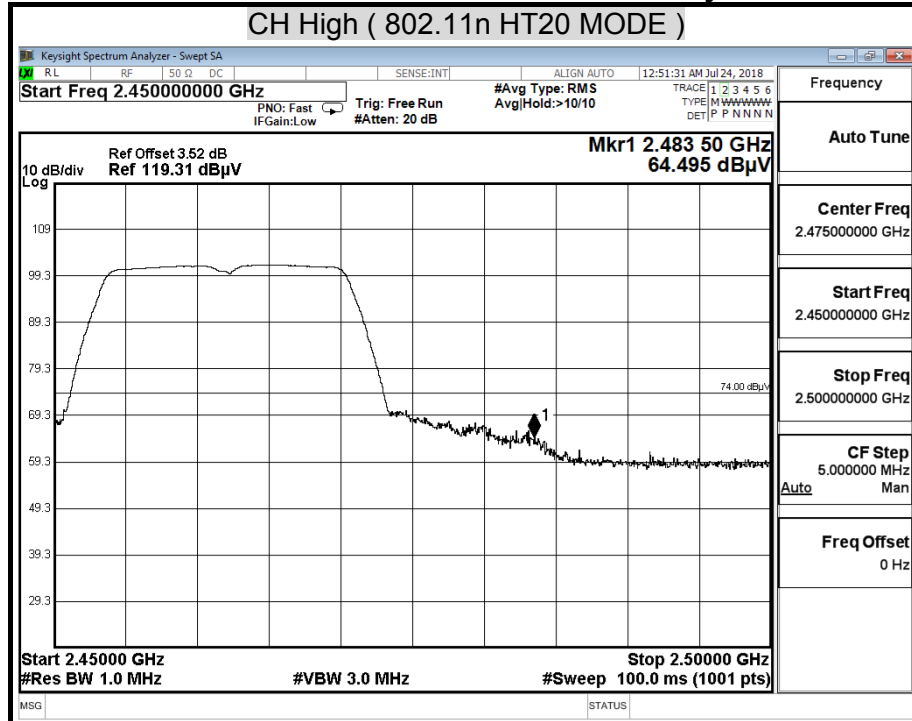
Detector mode : Average

Polarity : Vertical



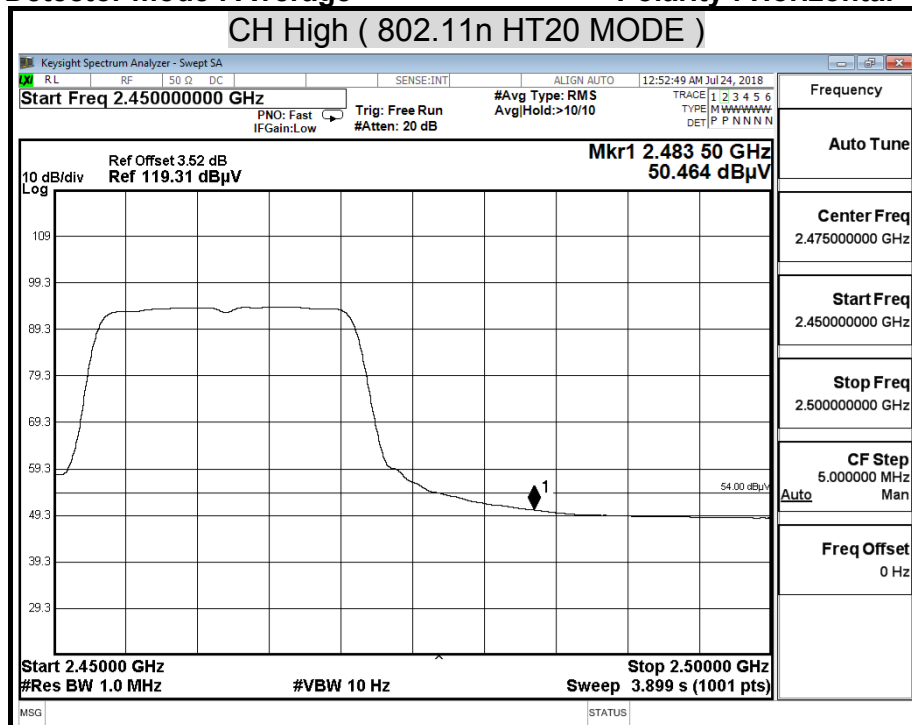
Detector mode : Peak

Polarity : Horizontal



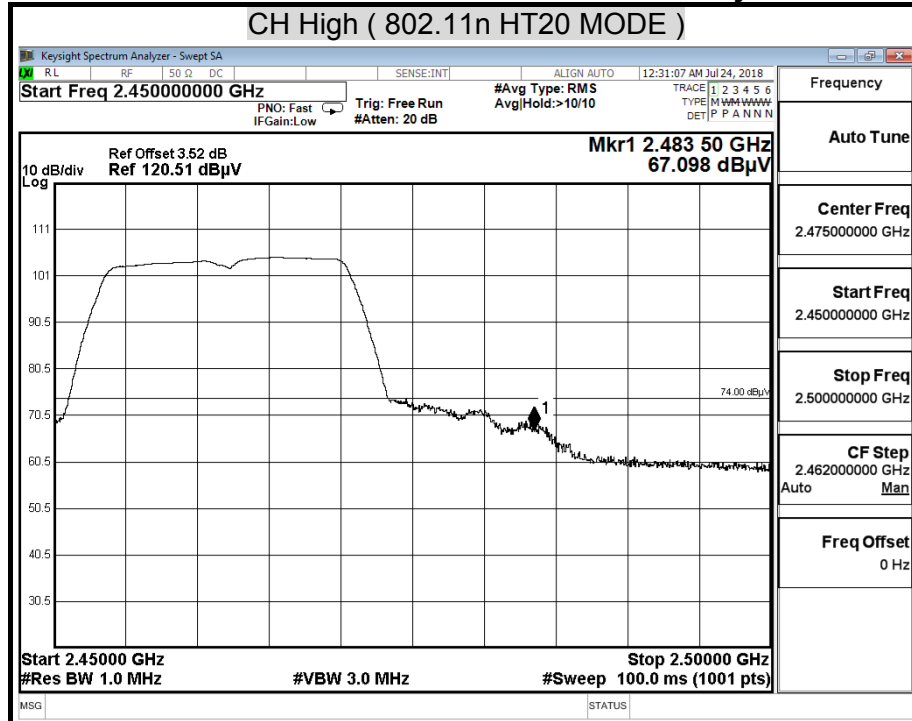
Detector mode : Average

Polarity : Horizontal



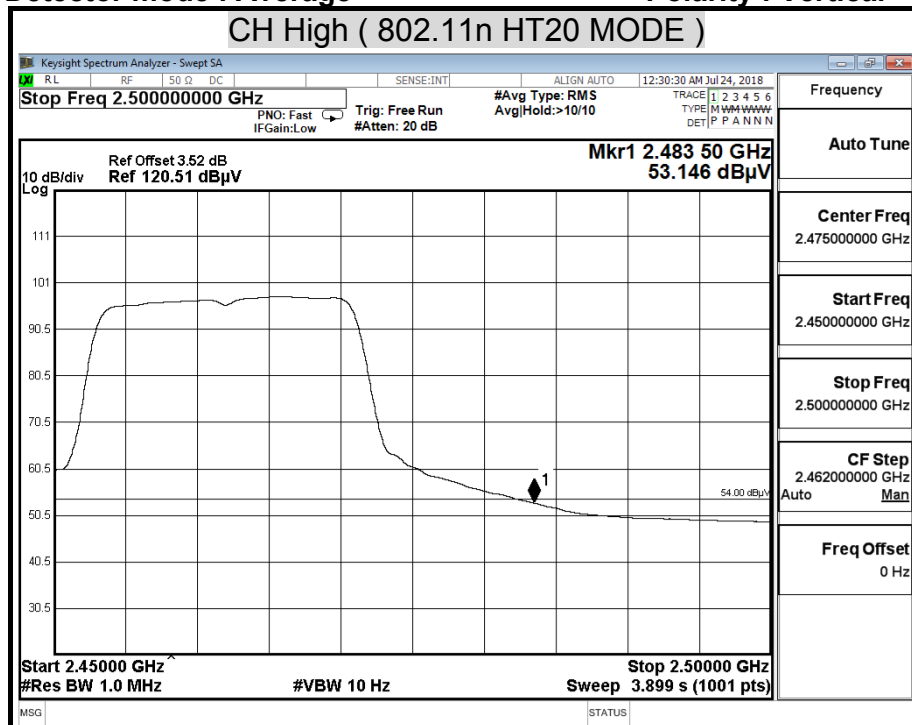
Detector mode : Peak

Polarity : Vertical



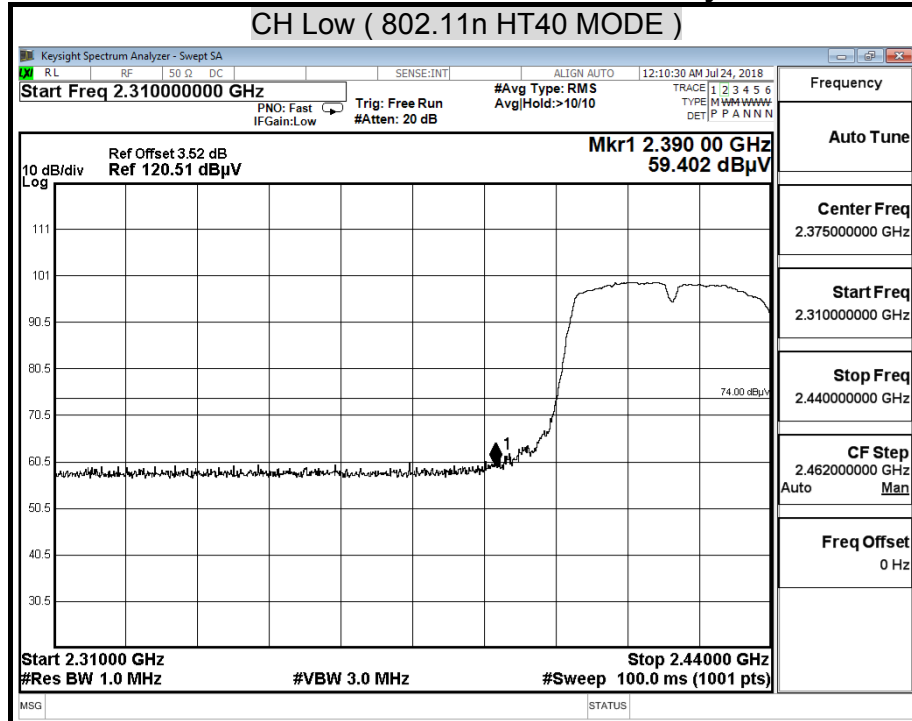
Detector mode : Average

Polarity : Vertical



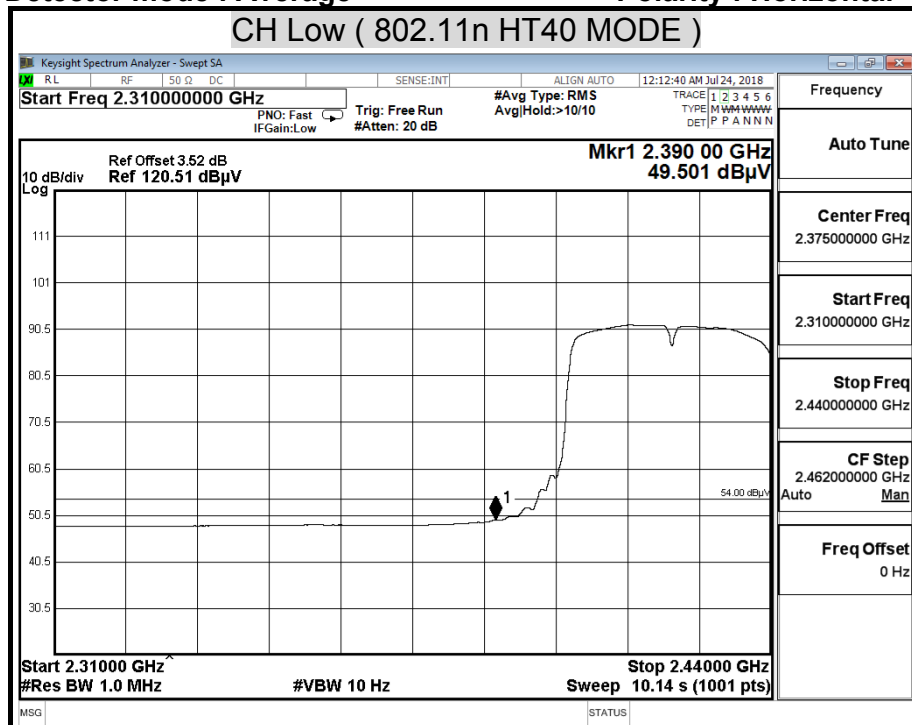
Detector mode : Peak

Polarity : Horizontal



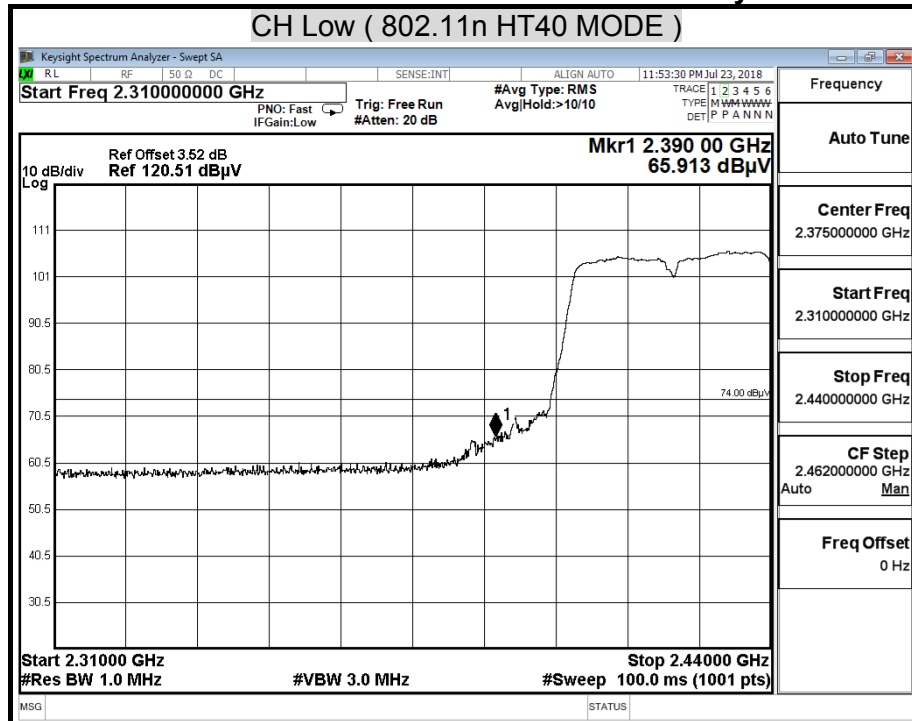
Detector mode : Average

Polarity : Horizontal



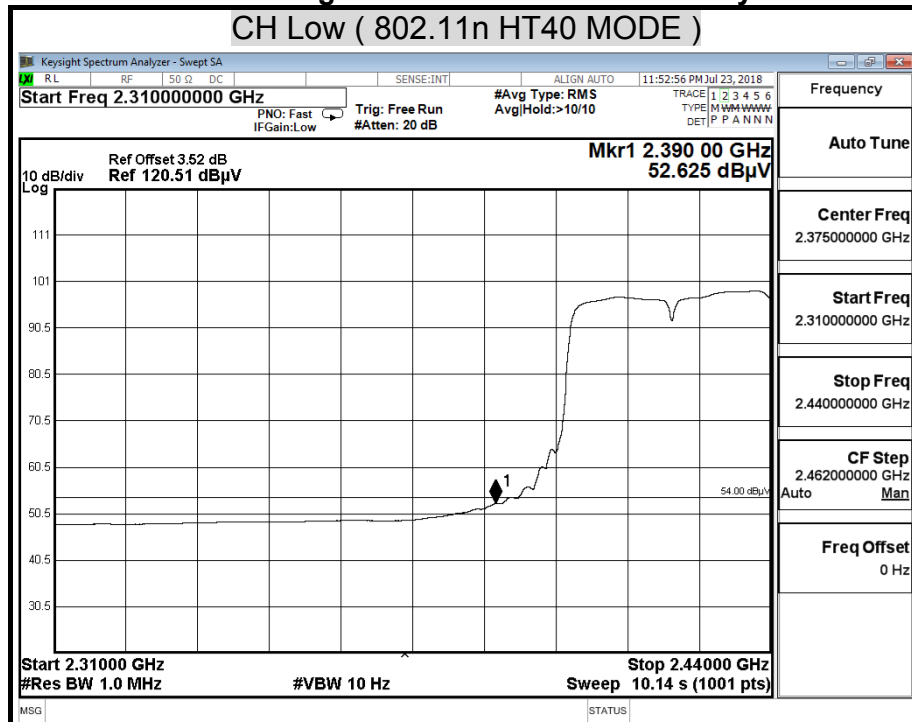
Detector mode : Peak

Polarity : Vertical



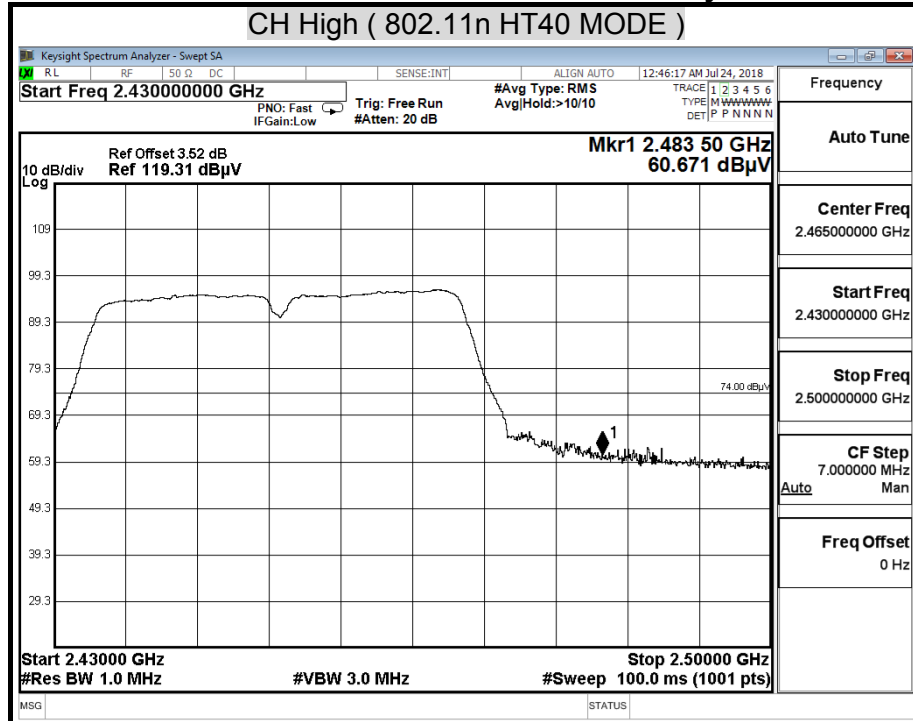
Detector mode : Average

Polarity : Vertical



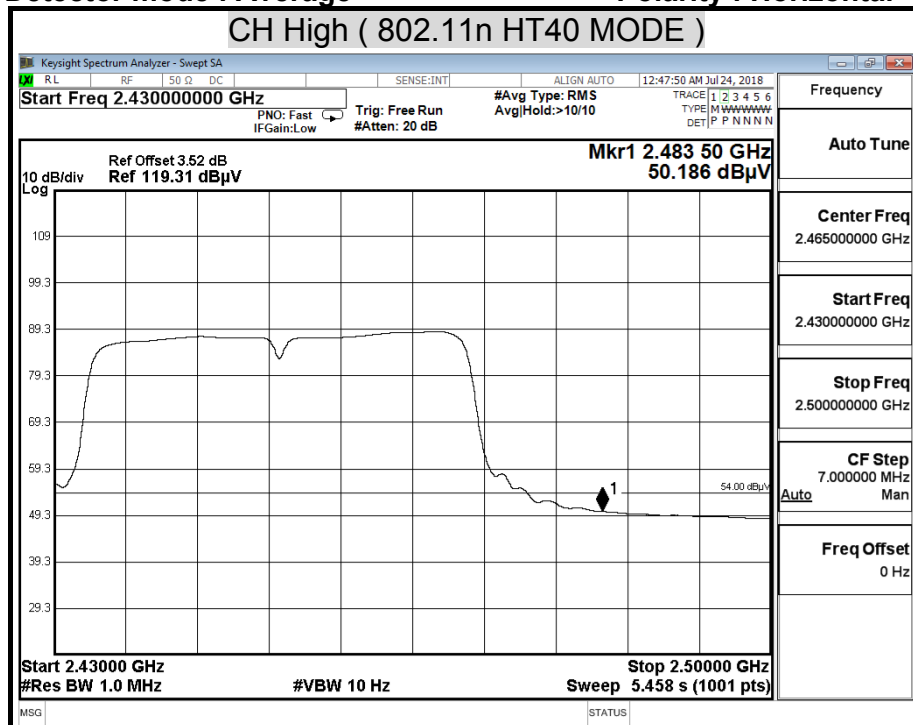
Detector mode : Peak

Polarity : Horizontal



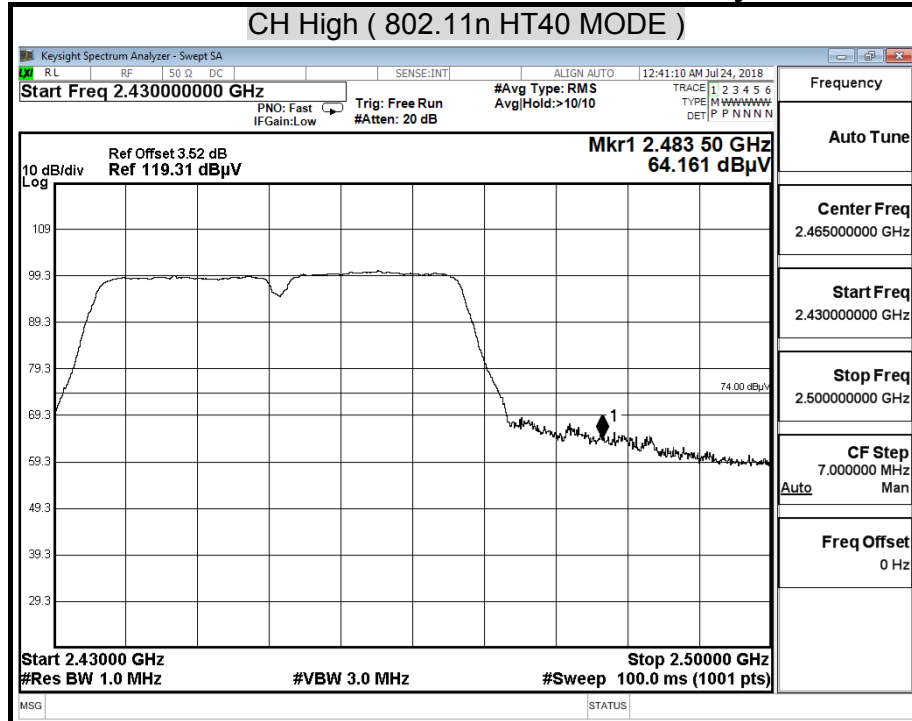
Detector mode : Average

Polarity : Horizontal



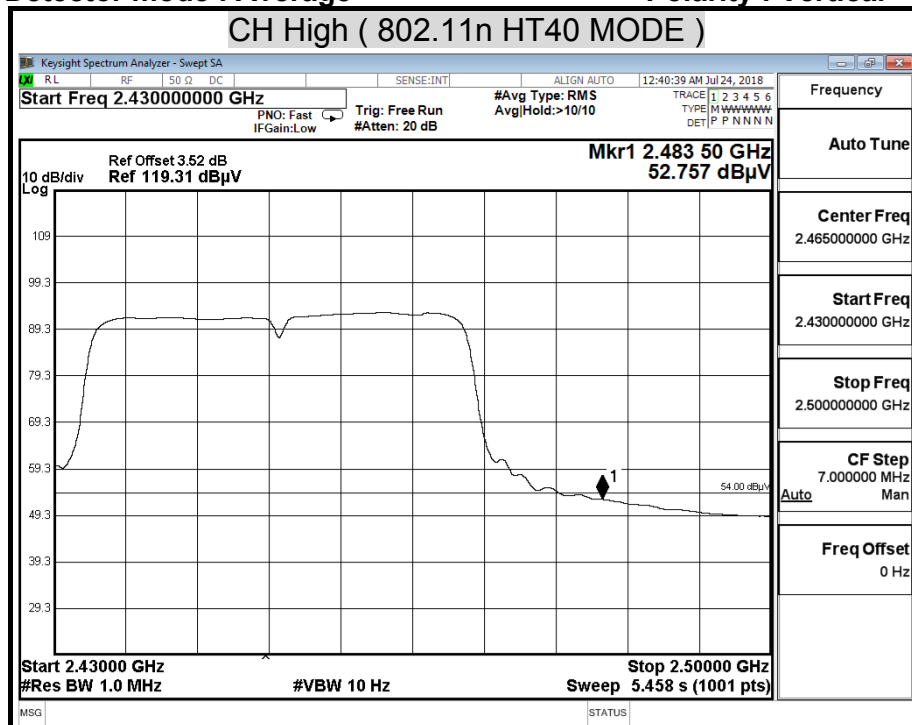
Detector mode : Peak

Polarity : Vertical



Detector mode : Average

Polarity : Vertical



## 8.7 POWERLINE CONDUCTED EMISSIONS

### LIMITS

§ 15.207 (a) Except as shown in paragraph (b) and (c) this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal.

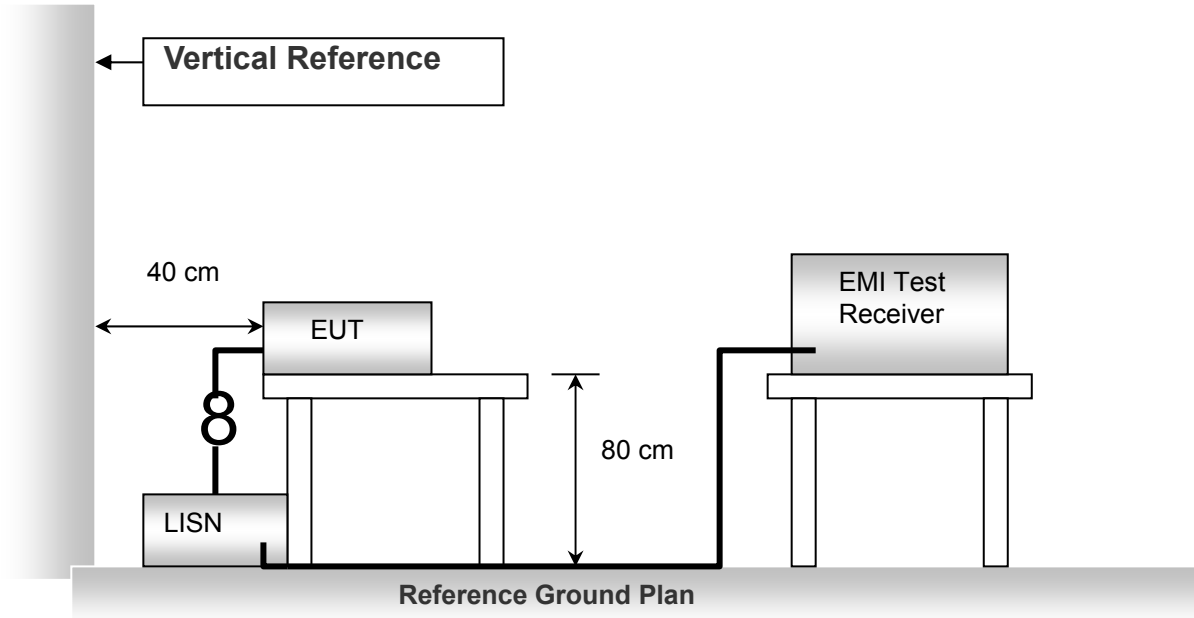
The lower limit applies at the boundary between the frequency ranges.

| Frequency of Emission (MHz) | Conducted limit (dB $\mu$ v) |          |
|-----------------------------|------------------------------|----------|
|                             | Quasi-peak                   | Average  |
| 0.15 - 0.5                  | 66 to 56                     | 56 to 46 |
| 0.5 - 5                     | 56                           | 46       |
| 5 - 30                      | 60                           | 50       |

### TEST EQUIPMENTS

The following test equipments are used during the conducted power line tests:

| Conducted Emission room #1 |                 |                      |               |                  |                 |
|----------------------------|-----------------|----------------------|---------------|------------------|-----------------|
| Name of Equipment          | Manufacturer    | Model                | Serial Number | Calibration Date | Calibration Due |
| BNC Coaxial Cable          | CCS             | BNC50                | 11            | 01/24/2018       | 01/23/2019      |
| EMI Test Receiver          | R&S             | ESCS 30              | 100348        | 01/31/2018       | 01/30/2019      |
| LISN                       | SCHWARZBEC<br>K | NNLK8130             | 8130124       | 12/01/2017       | 11/30/2018      |
| LISN                       | FCC             | FCC-LISN-50<br>-32-2 | 08009         | 05/24/2018       | 05/23/2019      |
| Pulse Limiter              | R&S             | ESH3-Z2              | 100116        | 01/24/2018       | 01/23/2019      |
| Test S/W                   | e-3 (5.04211j)  |                      |               |                  |                 |

**TEST SETUP****TEST PROCEDURE**

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80cm above the horizontal ground plane. The EUT IS CONFIGURED IN ACCORDANCE WITH ANSI C63.10.

The resolution bandwidth is set to 9 kHz for both quasi-peak detection and average detection measurements.

Line conducted data is recorded for both NEUTRAL and LINE.

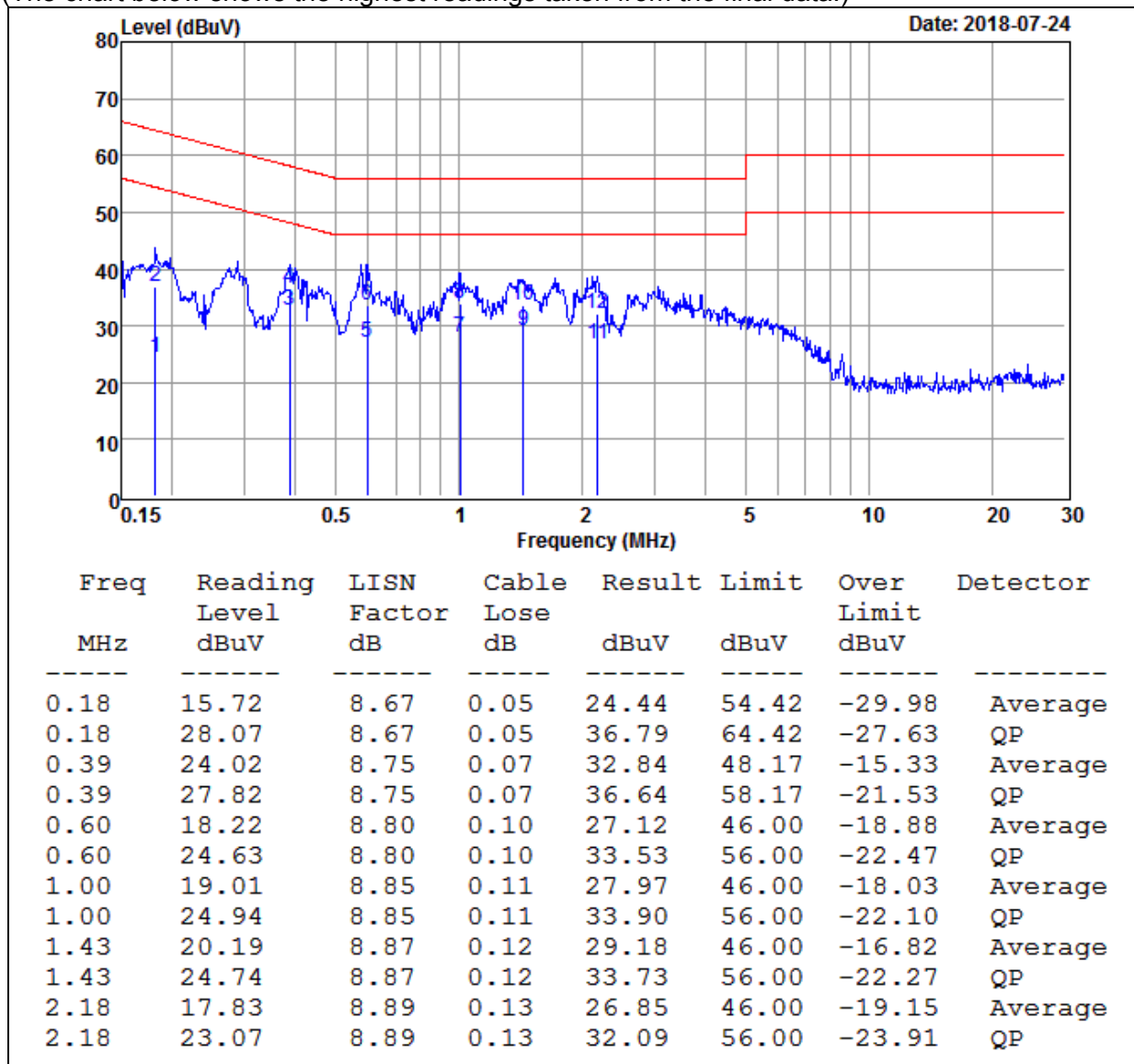
## TEST RESULTS

No non-compliance noted.

|                                 |              |                             |          |
|---------------------------------|--------------|-----------------------------|----------|
| <b>Model No.</b>                | CK8522       | <b>Test Mode</b>            | 1 YOGURT |
| <b>Environmental Conditions</b> | 25°C, 55% RH | <b>Resolution Bandwidth</b> | 9 kHz    |
| <b>Tested by</b>                | Weici Lo     |                             |          |

## LINE

(The chart below shows the highest readings taken from the final data.)

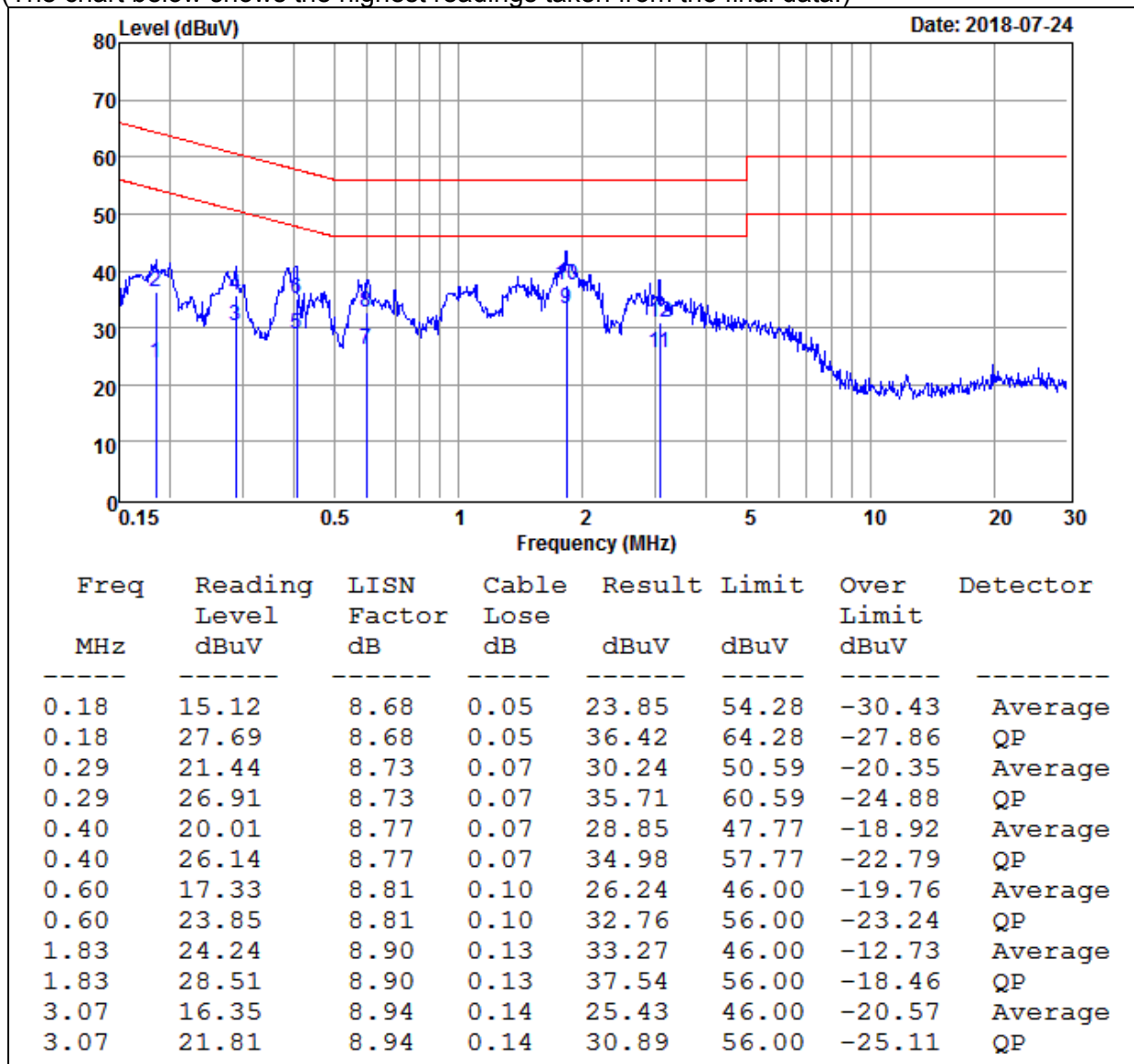


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |          |
|--------------------------|--------------|----------------------|----------|
| Model No.                | CK8522       | Test Mode            | 1 YOGURT |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz    |
| Tested by                | Weici Lo     |                      |          |

## NEUTRAL

(The chart below shows the highest readings taken from the final data.)

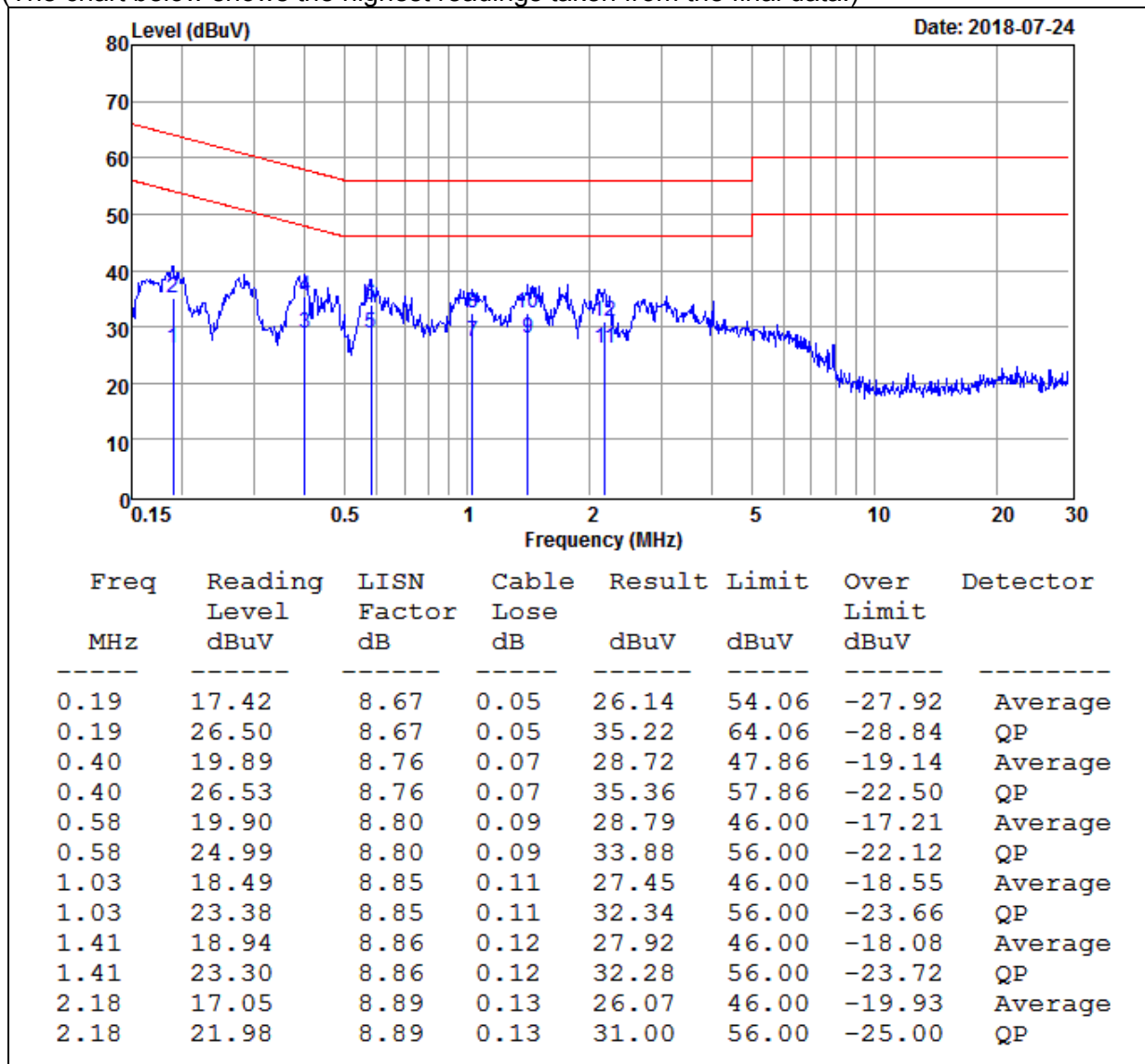


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |           |
|--------------------------|--------------|----------------------|-----------|
| Model No.                | CK8522       | Test Mode            | 2 THERMAL |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz     |
| Tested by                | Weici Lo     |                      |           |

## LINE

(The chart below shows the highest readings taken from the final data.)

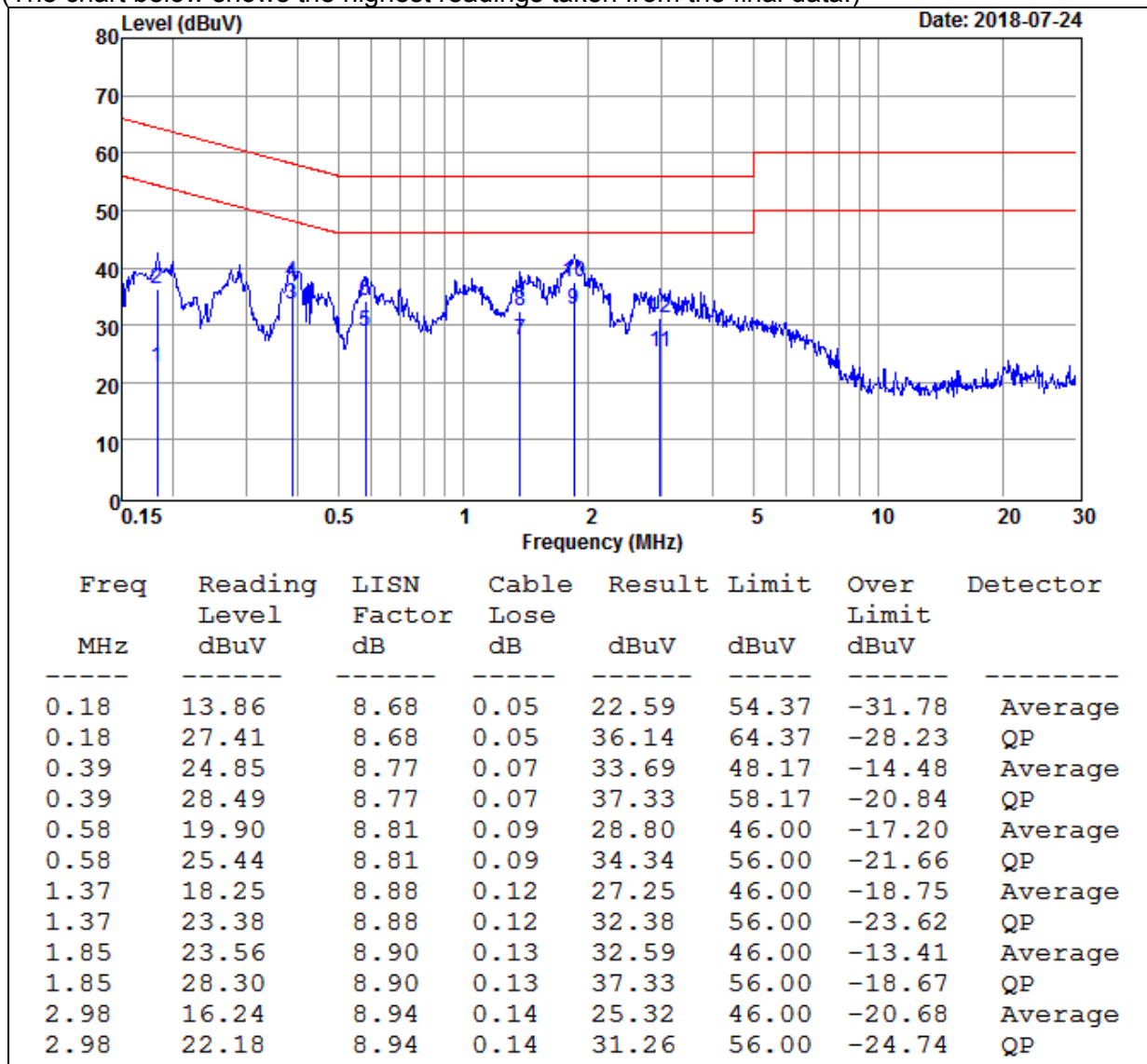


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |           |
|--------------------------|--------------|----------------------|-----------|
| Model No.                | CK8522       | Test Mode            | 2 THERMAL |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz     |
| Tested by                | Weici Lo     |                      |           |

## NEUTRAL

(The chart below shows the highest readings taken from the final data.)

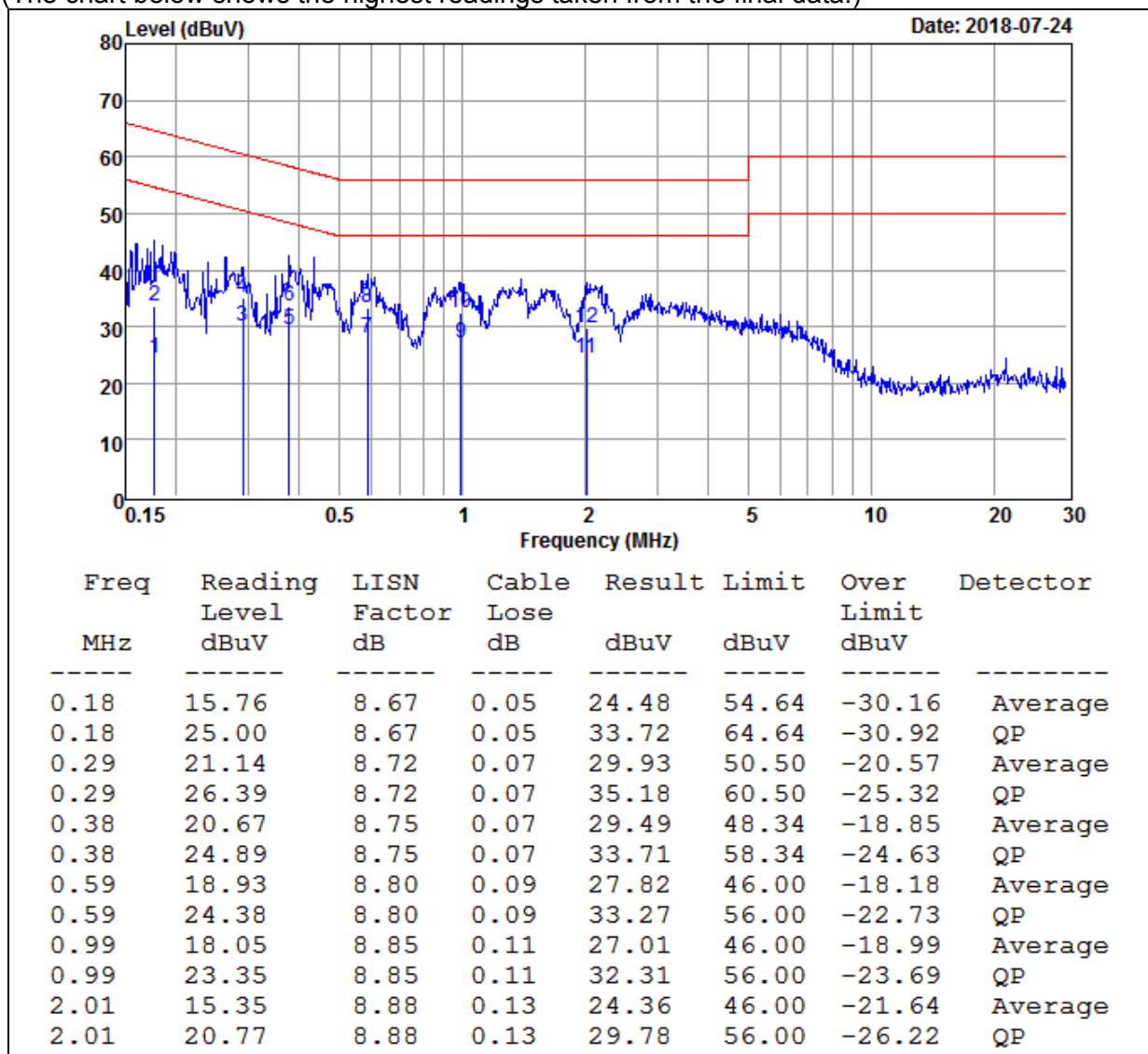


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |          |
|--------------------------|--------------|----------------------|----------|
| Model No.                | CK8522       | Test Mode            | 3 SIMMER |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz    |
| Tested by                | Weici Lo     |                      |          |

## LINE

(The chart below shows the highest readings taken from the final data.)

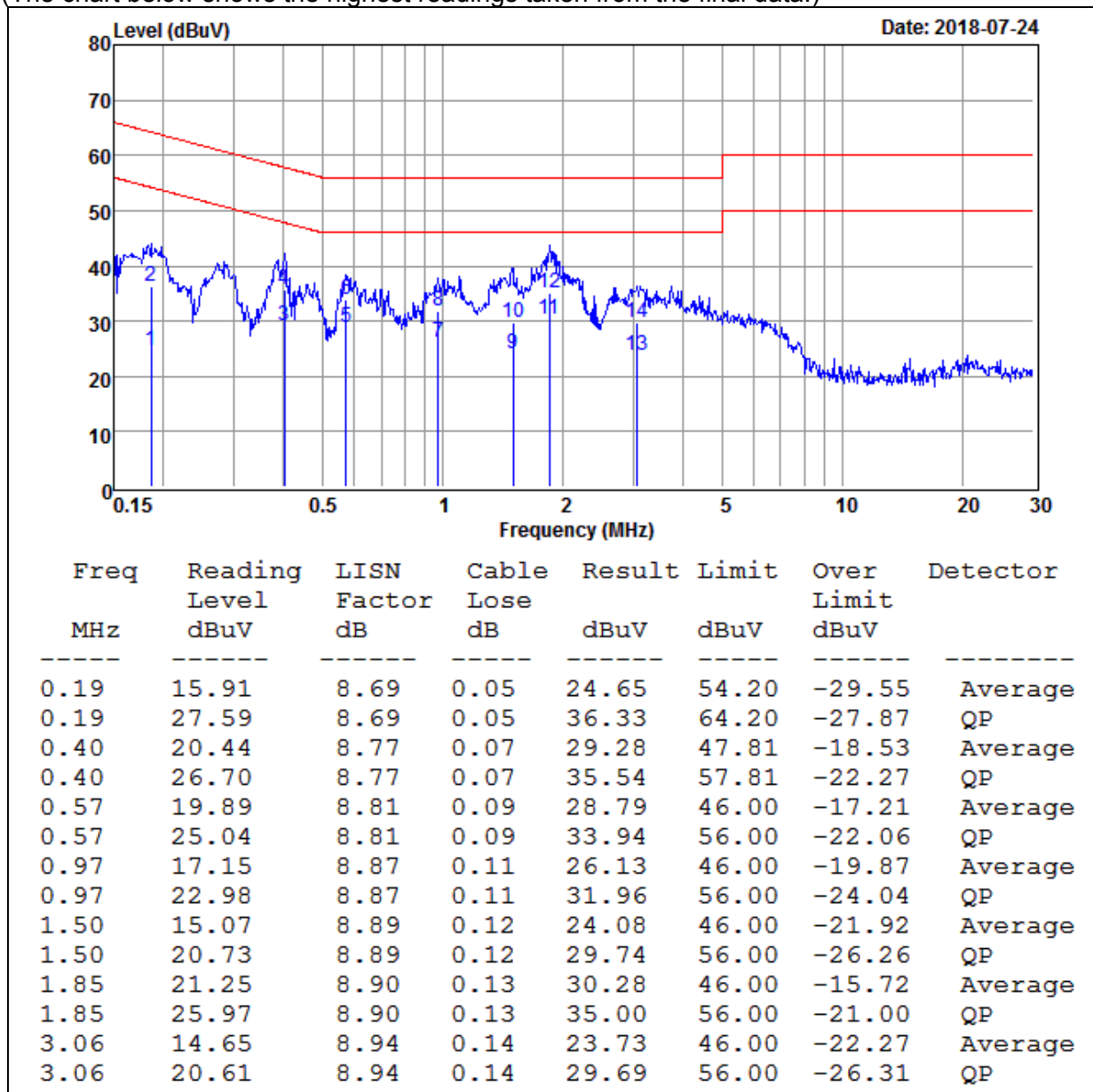


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |          |
|--------------------------|--------------|----------------------|----------|
| Model No.                | CK8522       | Test Mode            | 3 SIMMER |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz    |
| Tested by                | Weici Lo     |                      |          |

### NEUTRAL

(The chart below shows the highest readings taken from the final data.)

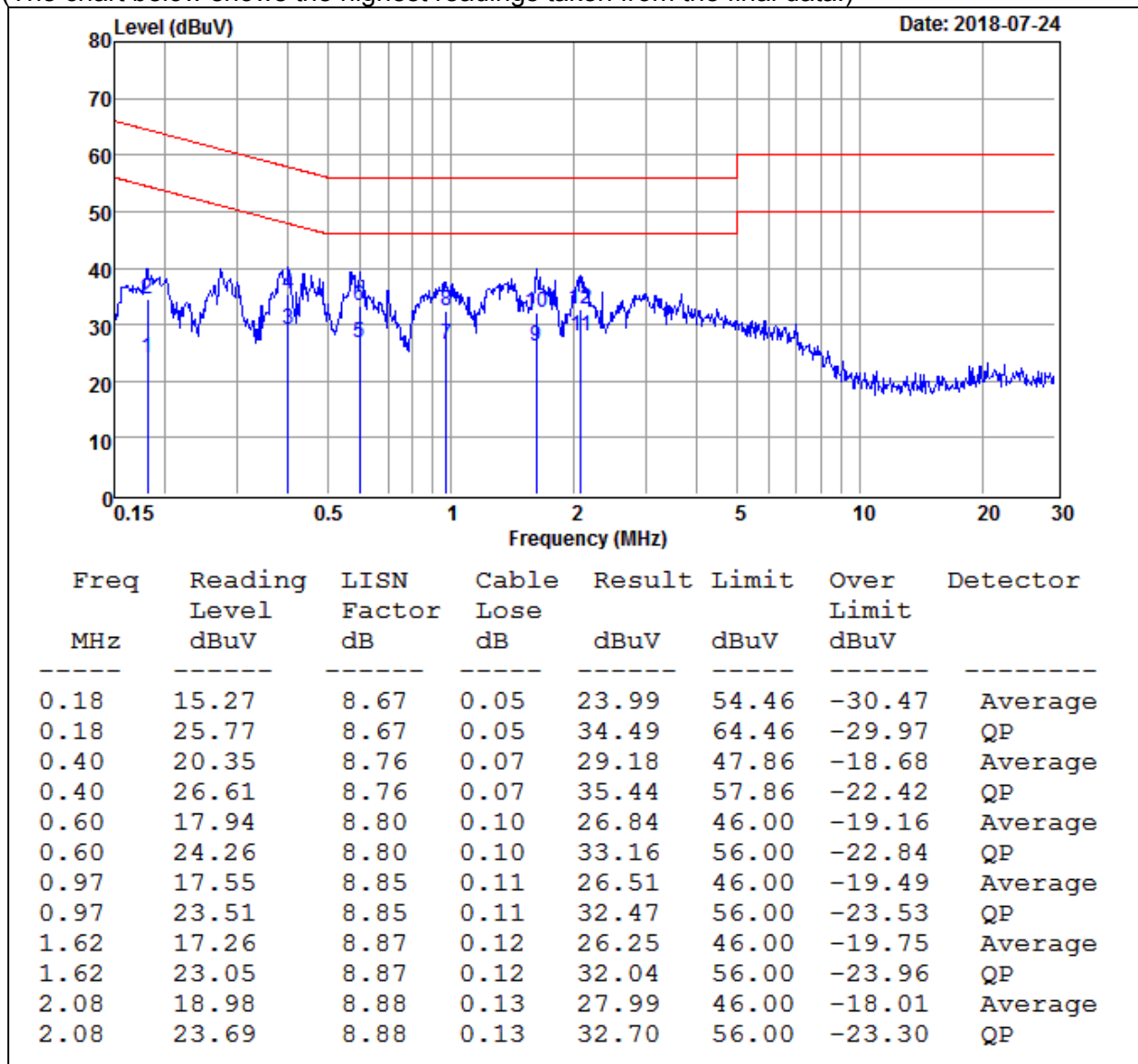


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |         |
|--------------------------|--------------|----------------------|---------|
| Model No.                | CK8522       | Test Mode            | 4 ROAST |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz   |
| Tested by                | Weici Lo     |                      |         |

## LINE

(The chart below shows the highest readings taken from the final data.)

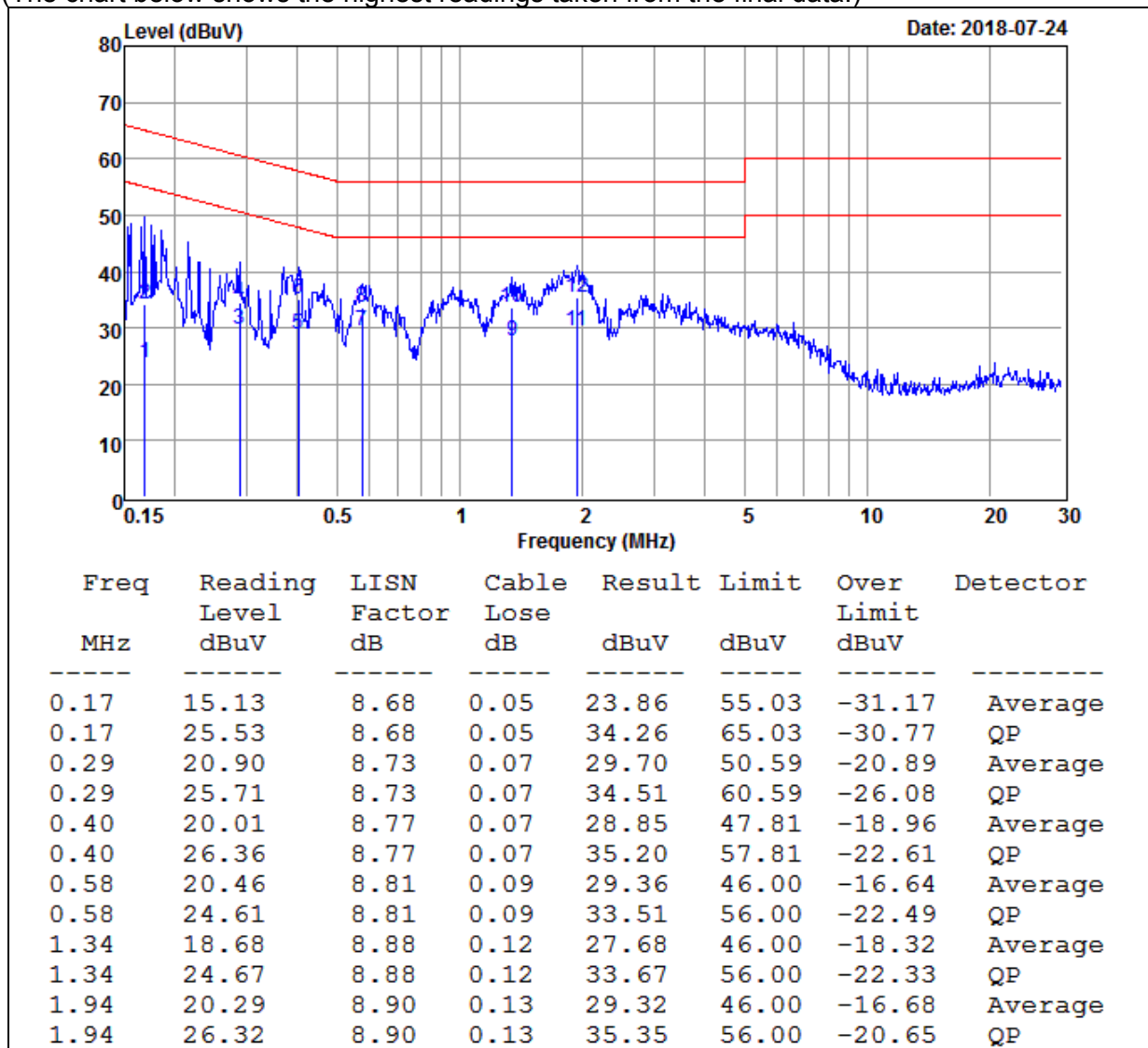


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |         |
|--------------------------|--------------|----------------------|---------|
| Model No.                | CK8522       | Test Mode            | 4 ROAST |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz   |
| Tested by                | Weici Lo     |                      |         |

## NEUTRAL

(The chart below shows the highest readings taken from the final data.)

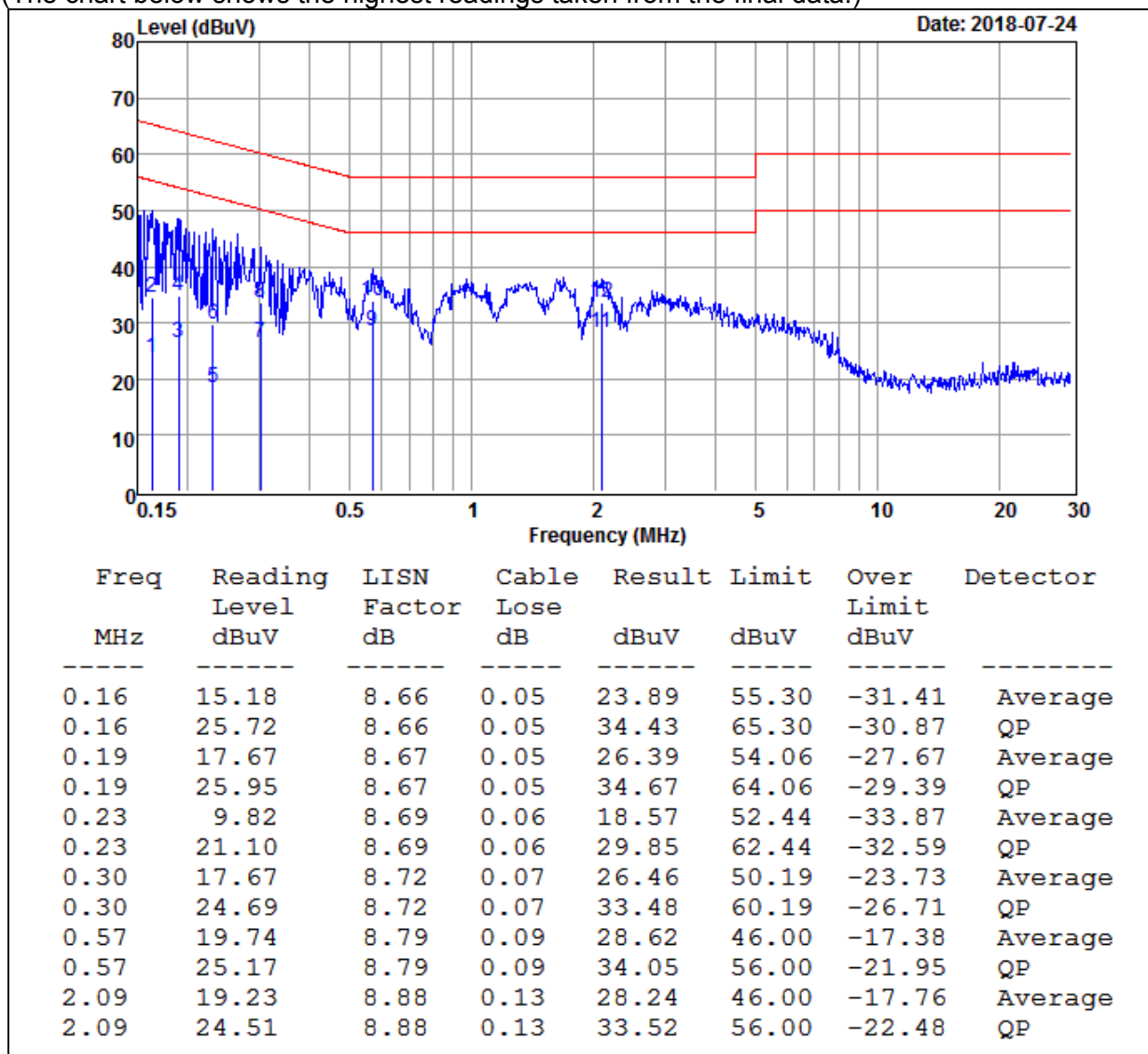


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |         |
|--------------------------|--------------|----------------------|---------|
| Model No.                | CK8522       | Test Mode            | 5 STEAM |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz   |
| Tested by                | Weici Lo     |                      |         |

## LINE

(The chart below shows the highest readings taken from the final data.)

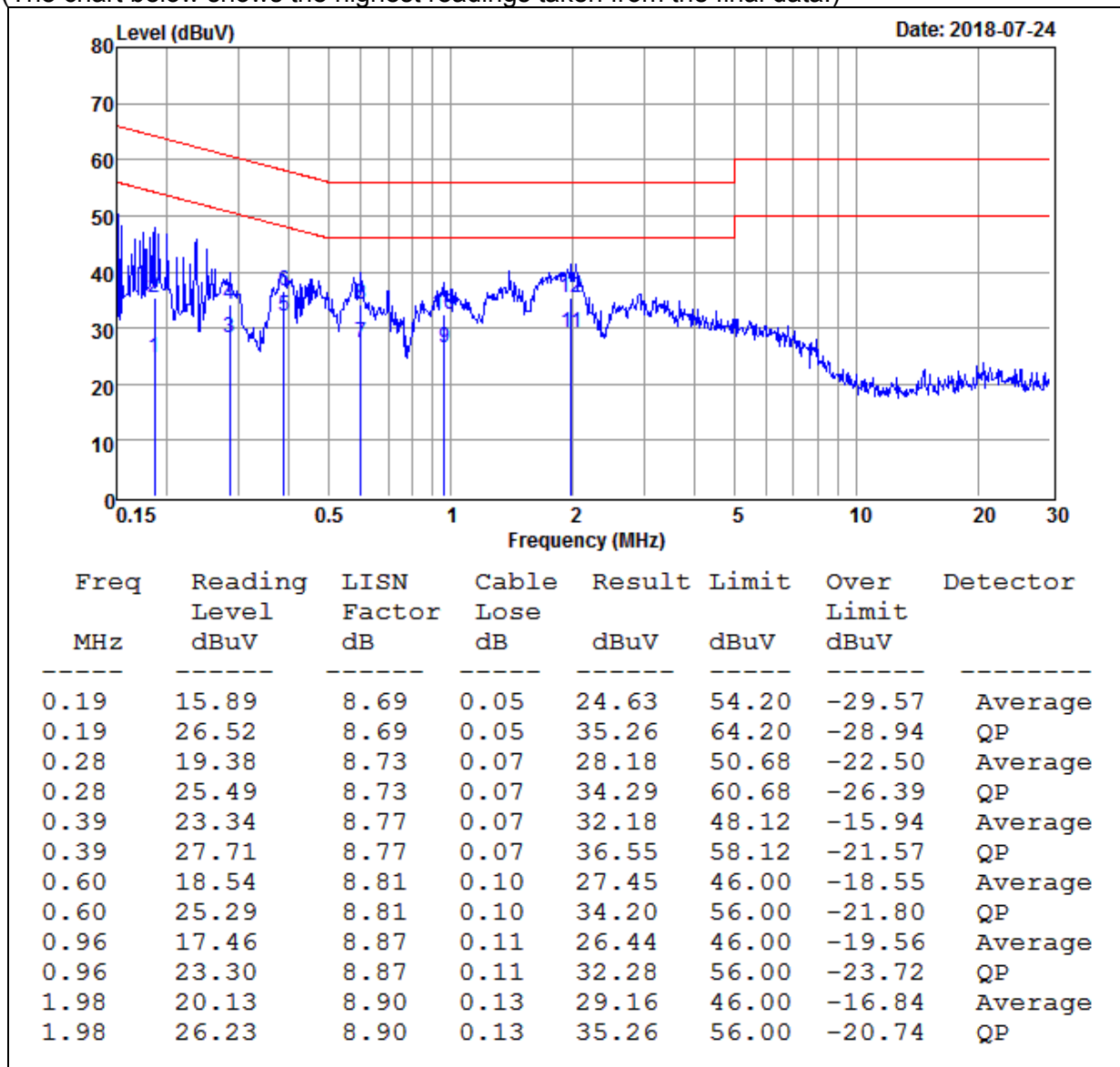


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |         |
|--------------------------|--------------|----------------------|---------|
| Model No.                | CK8522       | Test Mode            | 5 STEAM |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz   |
| Tested by                | Weici Lo     |                      |         |

## NEUTRAL

(The chart below shows the highest readings taken from the final data.)

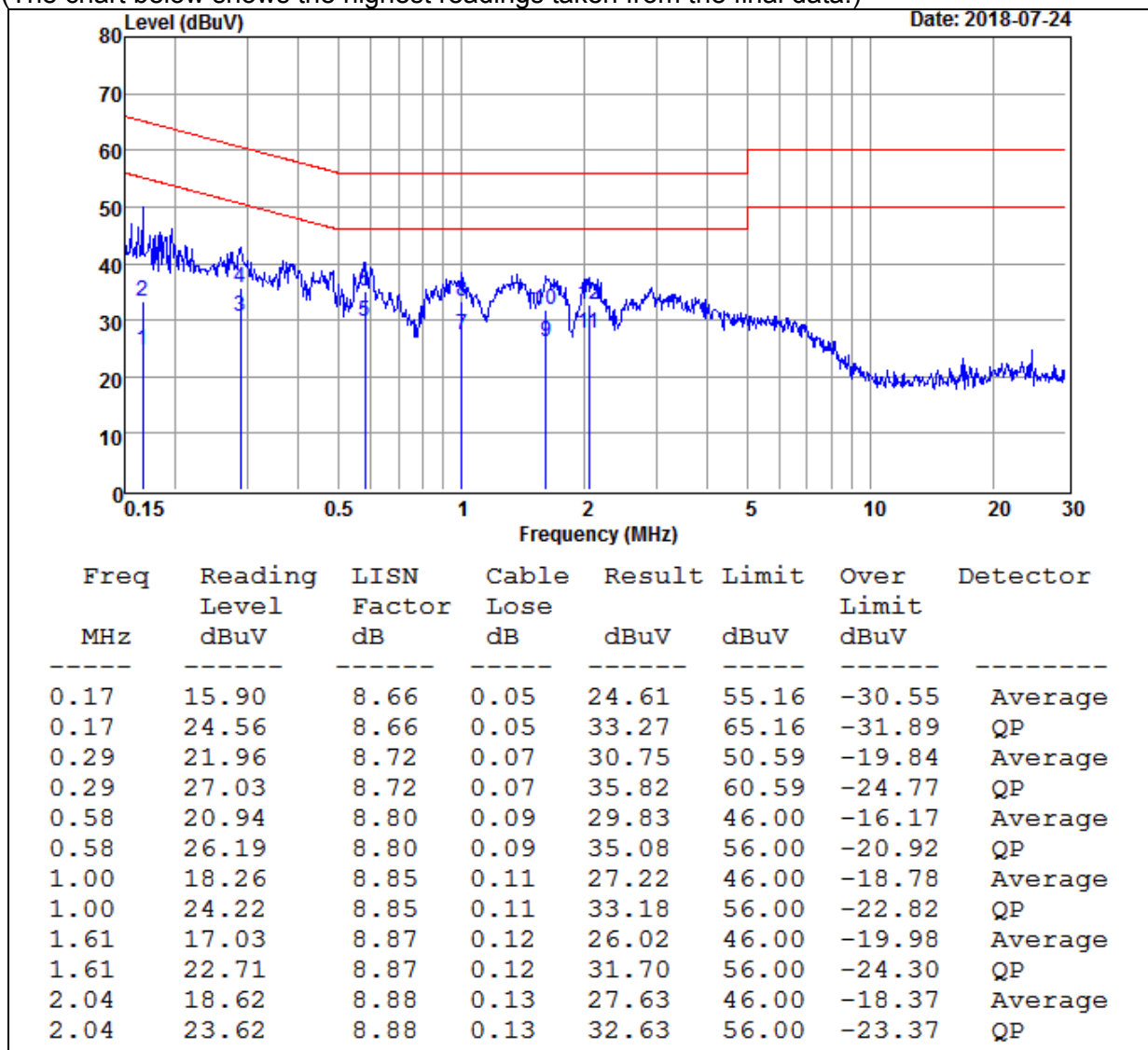


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                          |              |                      |            |
|--------------------------|--------------|----------------------|------------|
| Model No.                | CK8522       | Test Mode            | 6 PRESSURE |
| Environmental Conditions | 25°C, 55% RH | Resolution Bandwidth | 9 kHz      |
| Tested by                | Weici Lo     |                      |            |

## LINE

(The chart below shows the highest readings taken from the final data.)

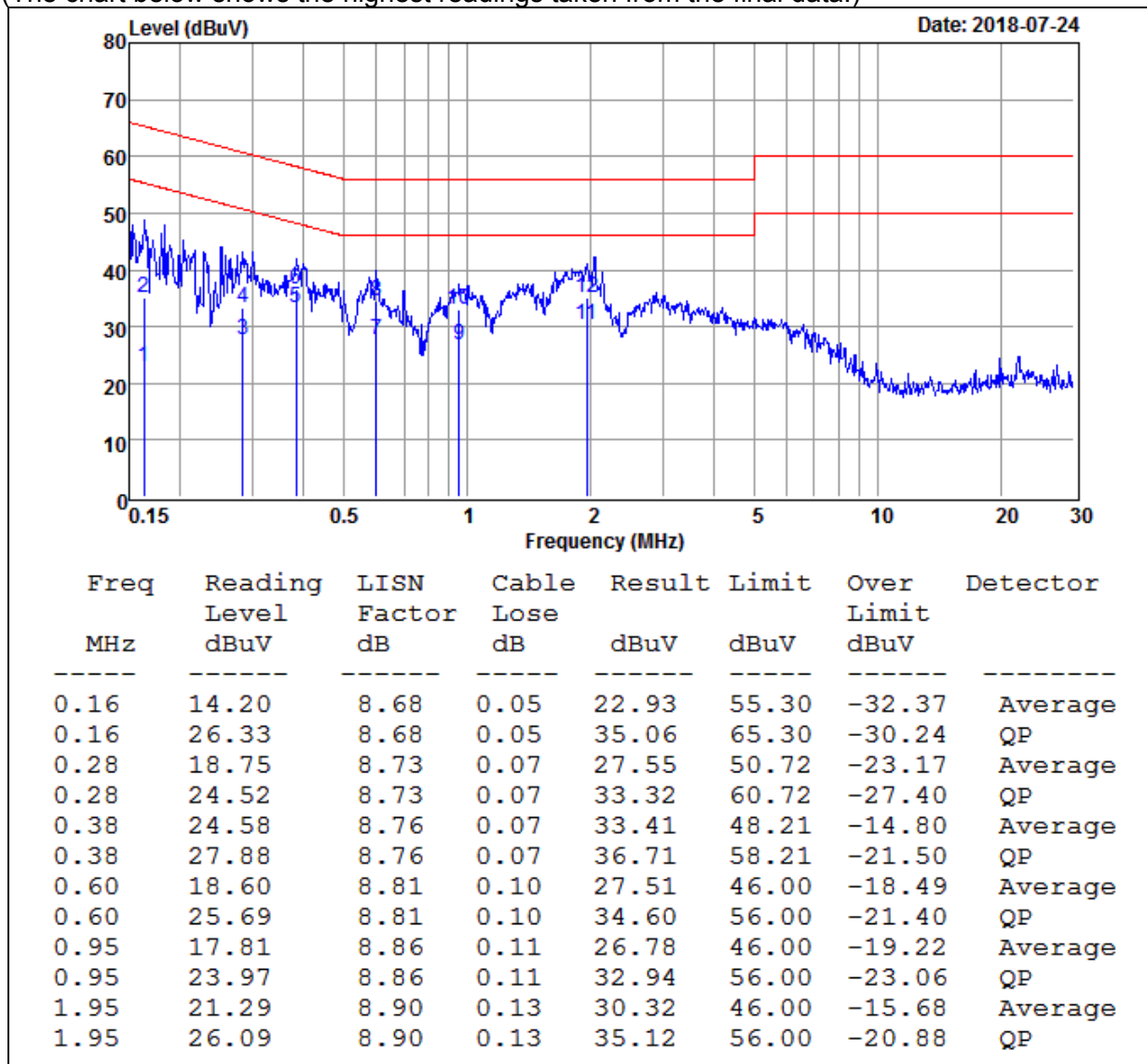


REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)

|                                 |              |                             |            |
|---------------------------------|--------------|-----------------------------|------------|
| <b>Model No.</b>                | CK8522       | <b>Test Mode</b>            | 6 PRESSURE |
| <b>Environmental Conditions</b> | 25°C, 55% RH | <b>Resolution Bandwidth</b> | 9 kHz      |
| <b>Tested by</b>                | Weici Lo     |                             |            |

**NEUTRAL**

(The chart below shows the highest readings taken from the final data.)



REMARKS : 1. Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB)  
 2. Over Limit (dBuV) = Measured Level (dBuV) – Limits (dBuV)



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## 9. ANTENNA REQUIREMENT

### 9.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

### 9.2 ANTENNA CONNECTED CONSTRUCTION

**Antenna (1TX1RX)**

Manufacturer: Master Wave Technology Co., Ltd.

Type: PCB

Mode: 98P8ZMIPF001

Gain : 3.96dBi

**===End of Test Report===**