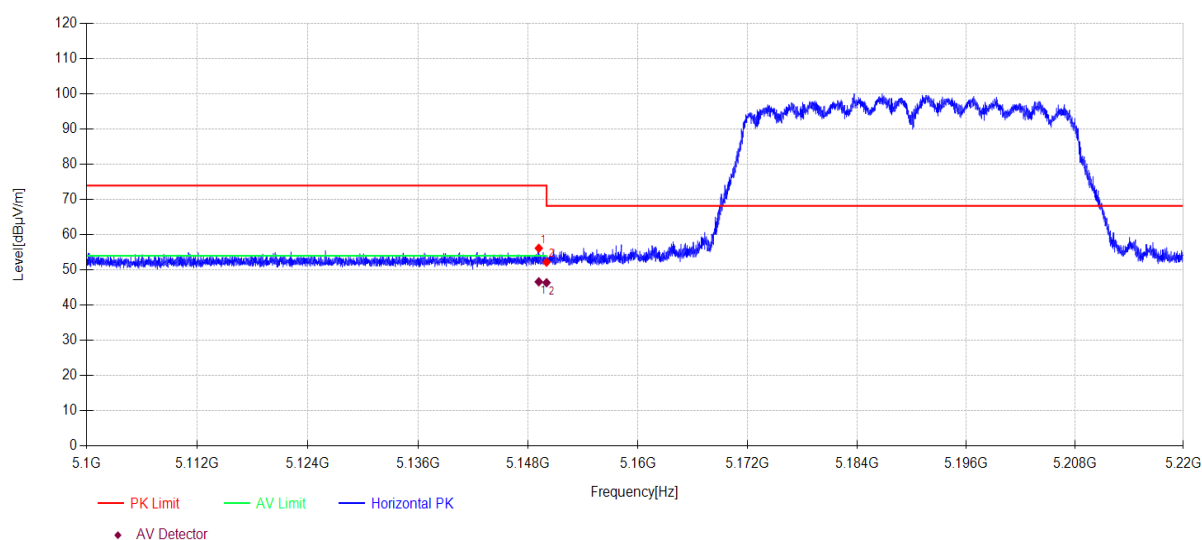


## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-18 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\35  
**Memo:** 11AC40MIMO 5190

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5149.15     | 48.10            | 6.21            | 32.90               | -31.04   | 56.17          | 74.00          | 17.83       | PK       | Horizontal |
| 2                   | 5150.00     | 44.13            | 6.21            | 32.90               | -31.04   | 52.20          | 68.20          | 16.00       | PK       | Horizontal |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |            |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 5149.15     | 38.55            | 6.21            | 32.90               | -31.04   | 46.62          | 54.00          | 7.38        | AV       | Horizontal |
| 2               | 5150.00     | 38.29            | 6.21            | 32.90               | -31.04   | 46.36          | 54.00          | 7.64        | AV       | Horizontal |

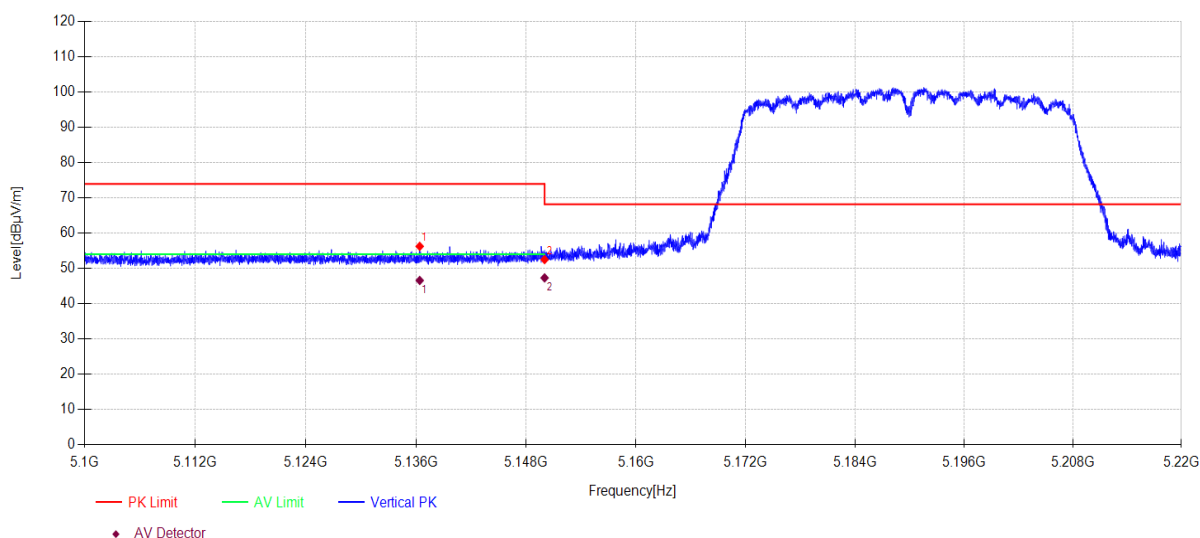
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-18 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\36  
**Memo:** 11AC40MIMO 5190

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5136.38     | 48.22            | 6.19            | 32.90               | -31.05   | 56.26          | 74.00          | 17.74       | PK       | Vertical |
| 2                   | 5150.00     | 44.43            | 6.21            | 32.90               | -31.04   | 52.50          | 68.20          | 15.70       | PK       | Vertical |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |          |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1               | 5136.38     | 38.54            | 6.19            | 32.90               | -31.05   | 46.58          | 54.00          | 7.42        | AV       | Vertical |
| 2               | 5150.00     | 39.24            | 6.21            | 32.90               | -31.04   | 47.31          | 54.00          | 6.69        | AV       | Vertical |

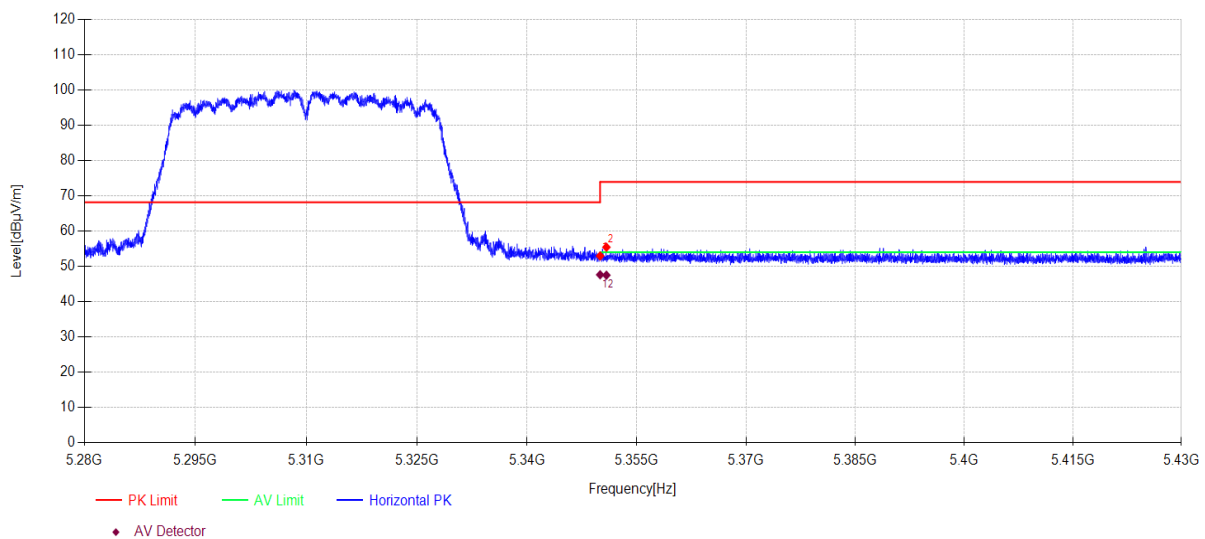
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-18 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\37  
**Memo:** 11AC40MIMO 5310

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5350.00     | 44.42            | 6.61            | 32.90               | -30.96   | 52.97          | 74.00          | 21.03       | PK       | Horizontal |
| 2                   | 5350.86     | 46.89            | 6.61            | 32.90               | -30.96   | 55.44          | 74.00          | 18.56       | PK       | Horizontal |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |            |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 5350.00     | 39.08            | 6.61            | 32.90               | -30.96   | 47.63          | 54.00          | 6.37        | AV       | Horizontal |
| 2               | 5350.86     | 38.96            | 6.61            | 32.90               | -30.96   | 47.51          | 54.00          | 6.49        | AV       | Horizontal |

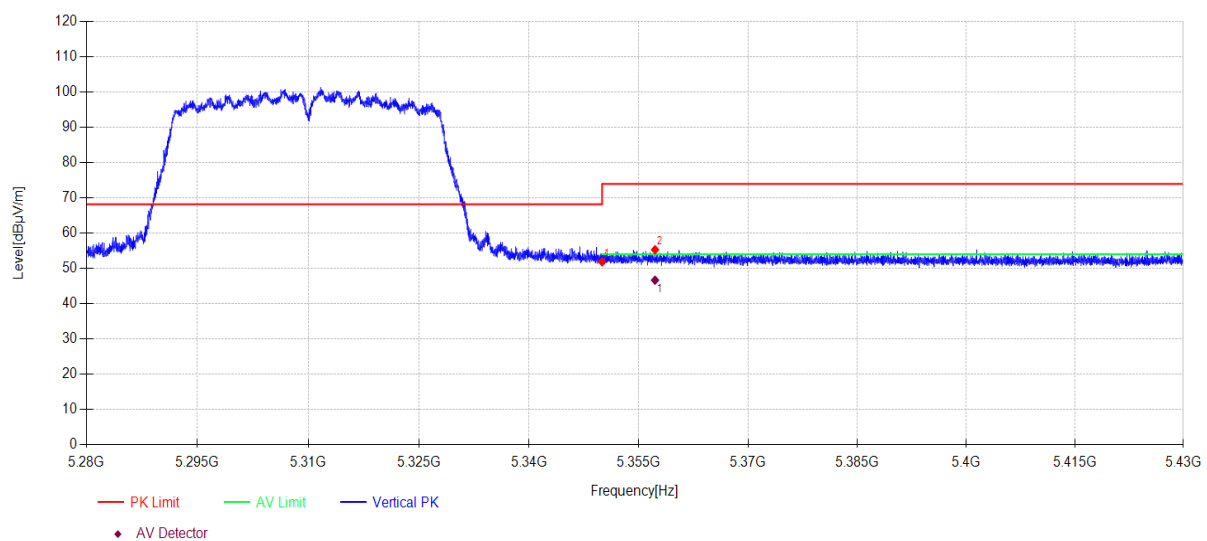
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-18 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\38  
**Memo:** 11AC40MIMO 5310

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5350.00     | 43.30            | 6.61            | 32.90               | -30.96   | 51.85          | 74.00          | 22.15       | PK       | Vertical |
| 2  | 5357.24     | 46.76            | 6.62            | 32.90               | -30.96   | 55.32          | 74.00          | 18.68       | PK       | Vertical |

### Final Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5357.24     | 38.09            | 6.62            | 32.90               | -30.96   | 46.65          | 54.00          | 7.35        | AV       | Vertical |

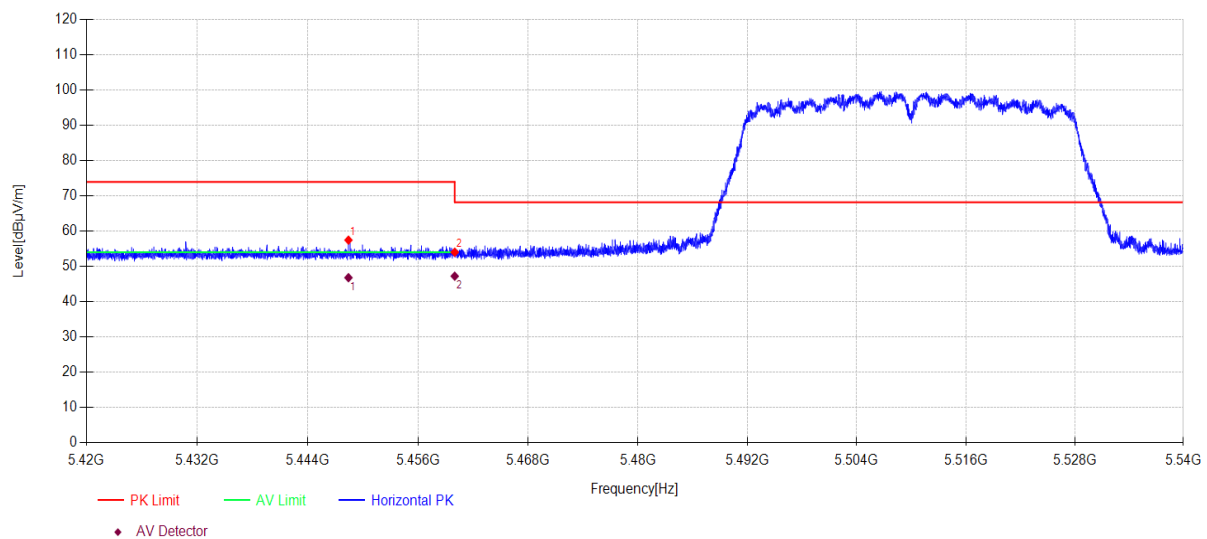
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-18 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\39  
**Memo:** 11AC40MIMO 5510

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5448.43     | 48.68            | 6.80            | 32.90               | -30.92   | 57.46          | 74.00          | 16.54       | PK       | Horizontal |
| 2                   | 5460.00     | 45.23            | 6.82            | 32.90               | -30.92   | 54.03          | 68.20          | 14.17       | PK       | Horizontal |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |            |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 5448.43     | 38.02            | 6.80            | 32.90               | -30.92   | 46.80          | 54.00          | 7.20        | AV       | Horizontal |
| 2               | 5460.00     | 38.42            | 6.82            | 32.90               | -30.92   | 47.22          | 54.00          | 6.78        | AV       | Horizontal |

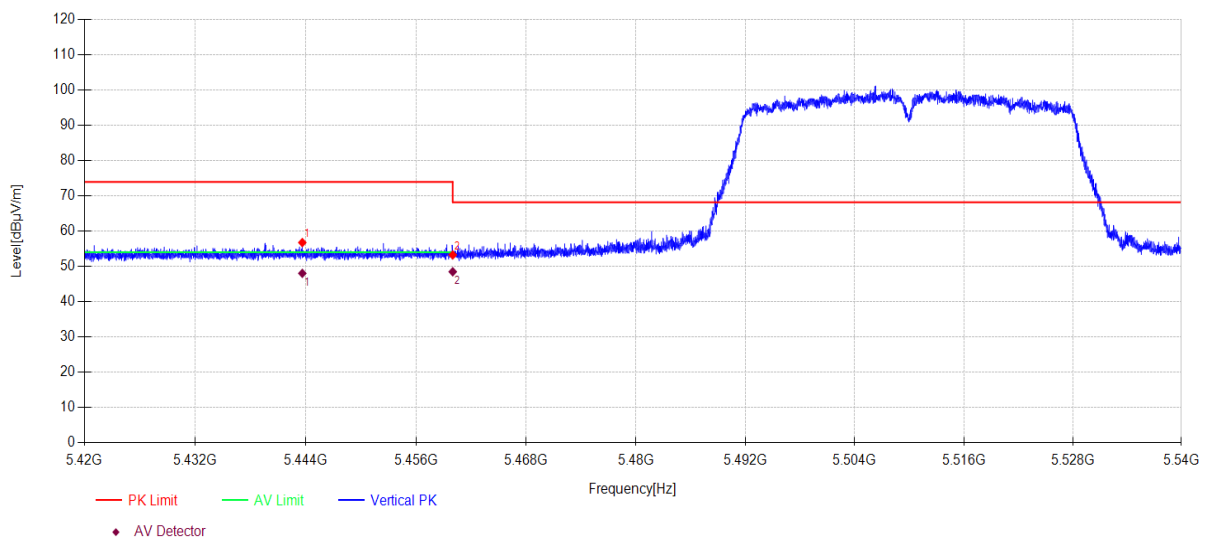
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-18      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\40  
**Memo:** 11AC40MIMO 5510

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5443.63     | 48.01            | 6.79            | 32.90               | -30.92   | 56.78          | 74.00          | 17.22       | PK       | Vertical |
| 2  | 5460.00     | 44.46            | 6.82            | 32.90               | -30.92   | 53.26          | 68.20          | 14.94       | PK       | Vertical |

### Final Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5443.63     | 39.27            | 6.79            | 32.90               | -30.92   | 48.04          | 54.00          | 5.96        | AV       | Vertical |
| 2  | 5460.00     | 39.68            | 6.82            | 32.90               | -30.92   | 48.48          | 54.00          | 5.52        | AV       | Vertical |

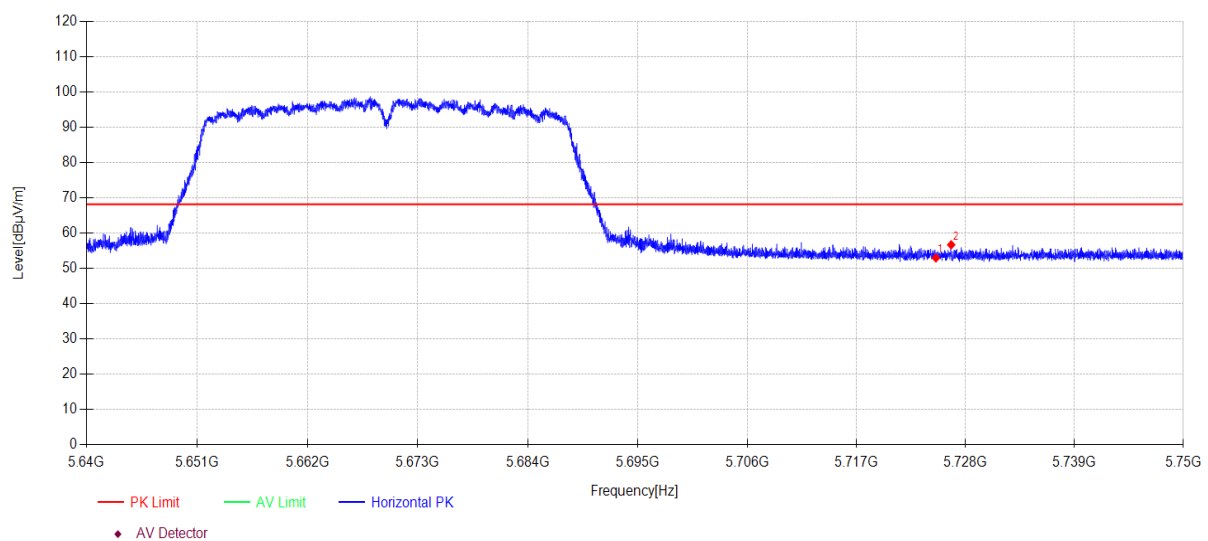
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\41  
**Memo:** 11AC40MIMO 5670

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5725.00     | 42.98            | 7.34            | 33.45               | -30.81   | 52.96          | 68.20          | 15.24       | PK       | Horizontal |
| 2                   | 5726.55     | 46.73            | 7.34            | 33.45               | -30.81   | 56.71          | 68.20          | 11.49       | PK       | Horizontal |

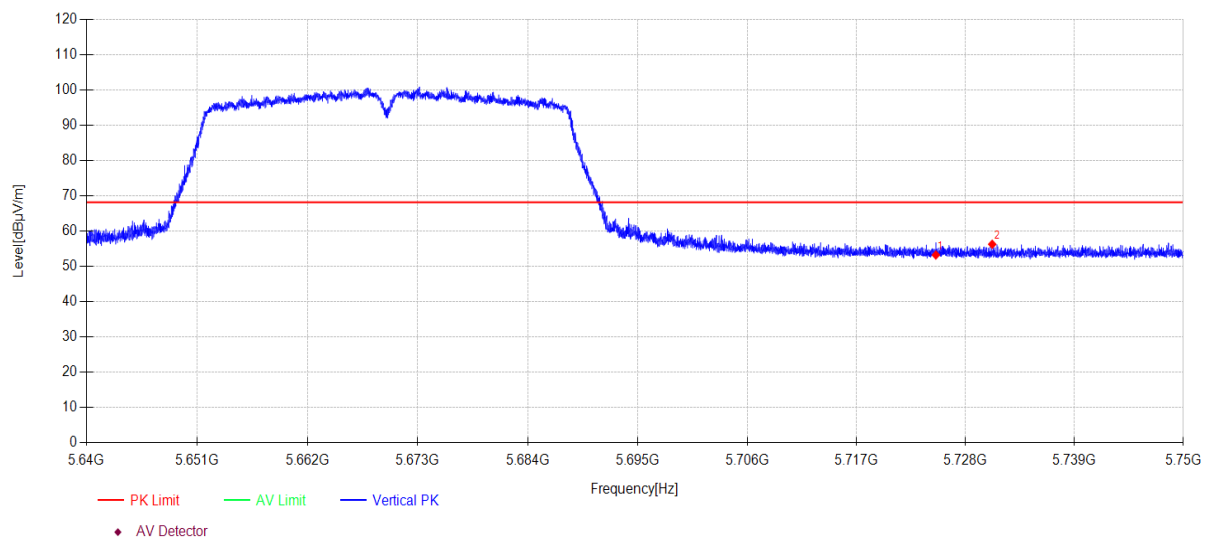
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\42  
**Memo:** 11AC40MIMO 5670

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5725.00     | 43.26            | 7.34            | 33.45               | -30.81   | 53.24          | 68.20          | 14.96       | PK       | Vertical |
| 2  | 5730.68     | 46.28            | 7.35            | 33.46               | -30.81   | 56.28          | 68.20          | 11.92       | PK       | Vertical |

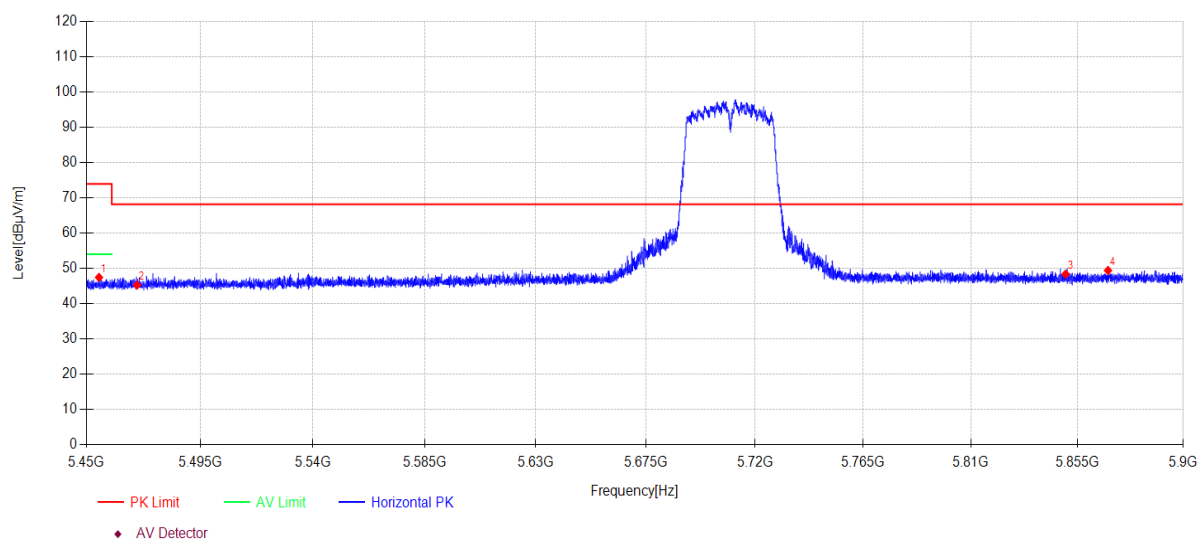
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\75  
**Memo:** 11AC40MIMO 5710

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1  | 5454.95     | 48.66            | 6.81            | 32.90               | -40.92   | 47.45          | 74.00          | 26.55       | PK       | Horizontal |
| 2  | 5470.00     | 46.44            | 6.84            | 32.90               | -40.91   | 45.27          | 68.20          | 22.93       | PK       | Horizontal |
| 3  | 5850.00     | 47.76            | 7.59            | 33.80               | -40.76   | 48.39          | 68.20          | 19.81       | PK       | Horizontal |
| 4  | 5867.96     | 48.71            | 7.62            | 33.84               | -40.75   | 49.42          | 68.20          | 18.78       | PK       | Horizontal |

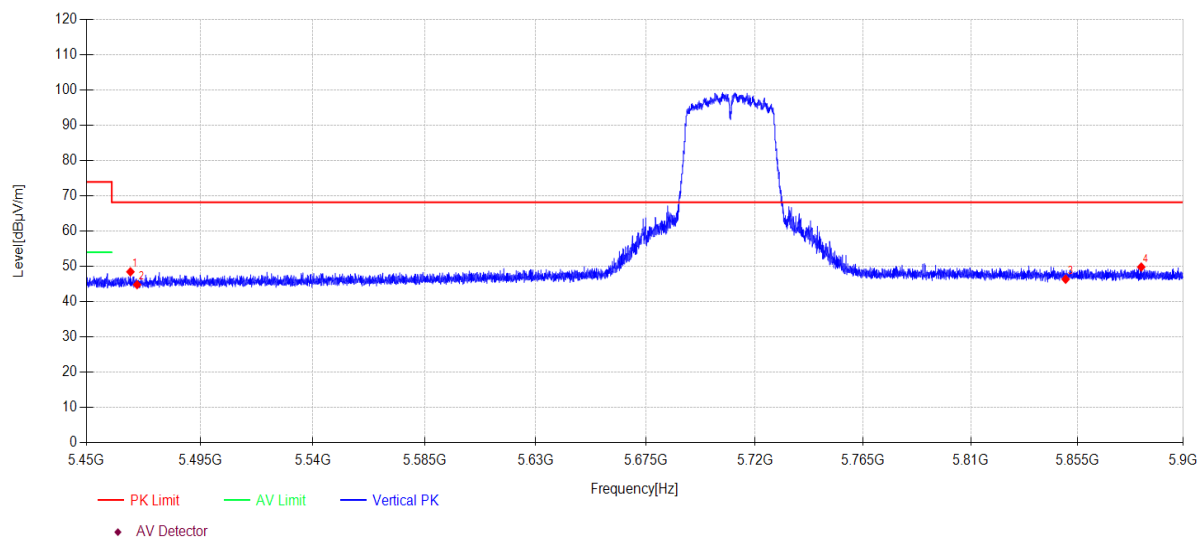
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\76  
**Memo:** 11AC40MIMO 5710

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5467.37     | 49.63            | 6.84            | 32.90               | -40.91   | 48.46          | 68.20          | 19.74       | PK       | Vertical |
| 2  | 5470.00     | 45.98            | 6.84            | 32.90               | -40.91   | 44.81          | 68.20          | 23.39       | PK       | Vertical |
| 3  | 5850.00     | 45.73            | 7.59            | 33.80               | -40.76   | 46.36          | 68.20          | 21.84       | PK       | Vertical |
| 4  | 5882.09     | 49.06            | 7.65            | 33.86               | -40.75   | 49.82          | 68.20          | 18.38       | PK       | Vertical |

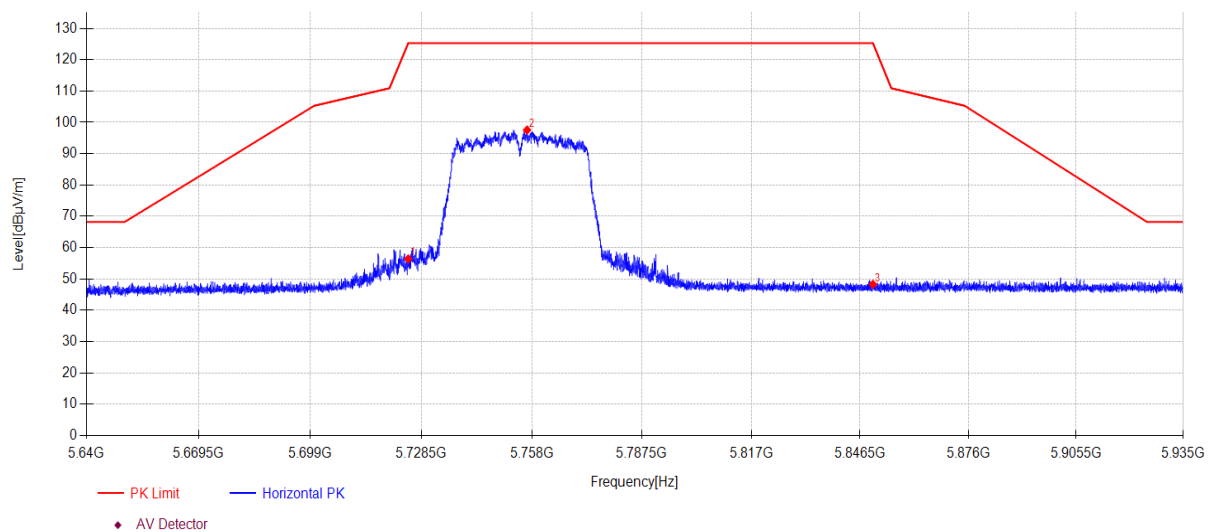
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5.8GWIFI\29  
**Memo:** 11AC40MIMO 5755

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1  | 5725.00     | 56.45            | 7.34            | 33.45               | -40.81   | 56.43          | 125.30         | 68.87       | PK       | Horizontal |
| 2  | 5756.70     | 97.42            | 7.40            | 33.53               | -40.80   | 97.55          | 125.30         | 27.75       | PK       | Horizontal |
| 3  | 5850.00     | 47.65            | 7.59            | 33.80               | -40.76   | 48.28          | 125.27         | 76.99       | PK       | Horizontal |

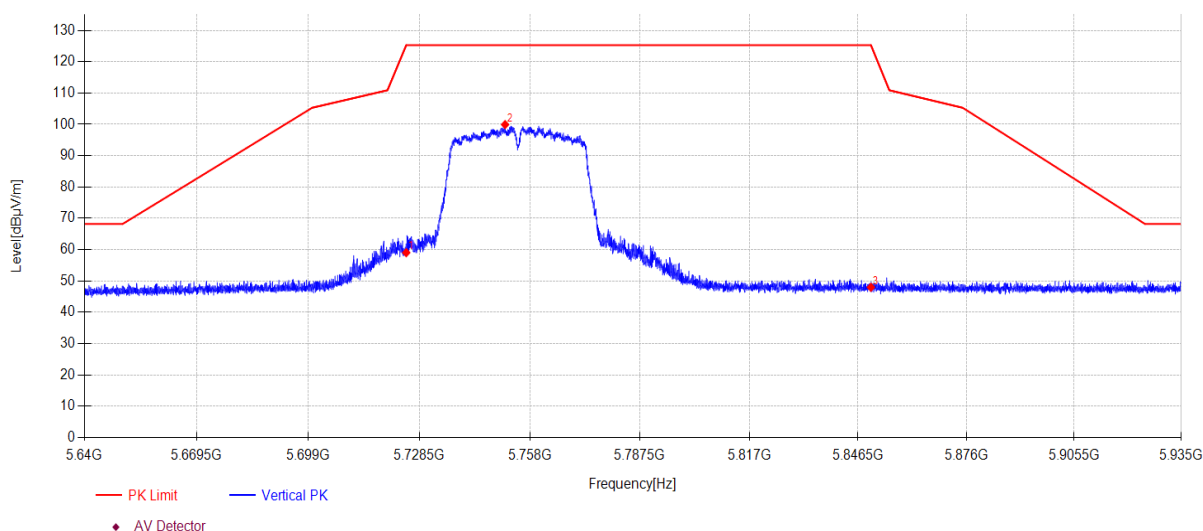
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5.8GWIFI\30  
**Memo:** 11AC40MIMO 5755

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| 1  | 5725.00     | 59.07            | 7.34            | 33.45               | -40.81   | 59.05          | 125.30         | 66.25       | PK       | Vertical |
| 2  | 5751.36     | 99.83            | 7.39            | 33.51               | -40.80   | 99.93          | 125.30         | 25.37       | PK       | Vertical |
| 3  | 5850.00     | 47.35            | 7.59            | 33.80               | -40.76   | 47.98          | 125.27         | 77.29       | PK       | Vertical |

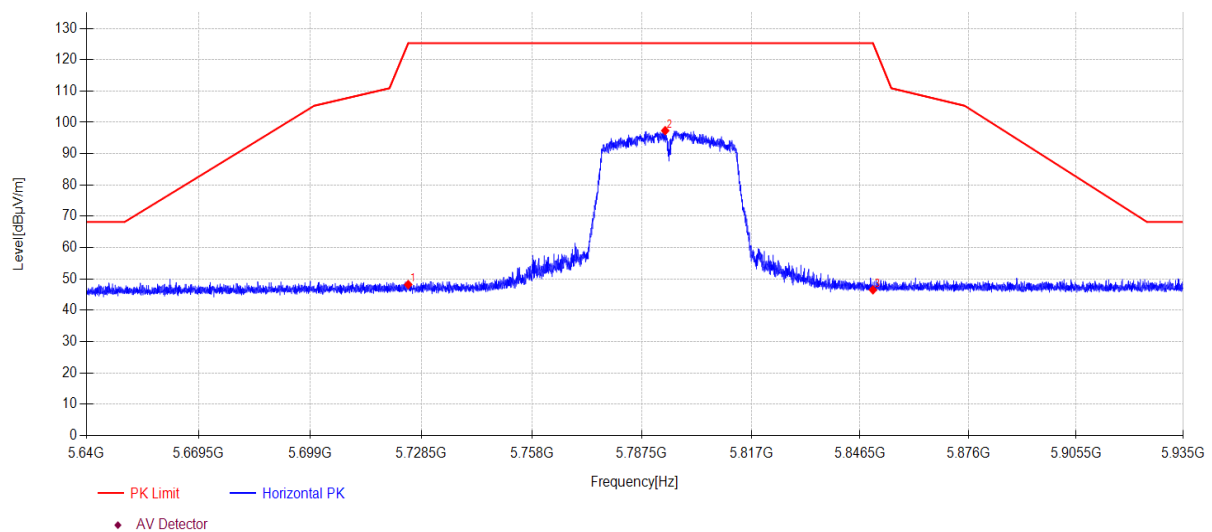
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5.8GWIFI\31  
**Memo:** 11AC40MIMO 5795

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1  | 5725.00     | 48.25            | 7.34            | 33.45               | -40.81   | 48.23          | 125.30         | 77.07       | PK       | Horizontal |
| 2  | 5793.78     | 96.97            | 7.48            | 33.68               | -40.78   | 97.35          | 125.30         | 27.95       | PK       | Horizontal |
| 3  | 5850.00     | 45.90            | 7.59            | 33.80               | -40.76   | 46.53          | 125.27         | 78.74       | PK       | Horizontal |

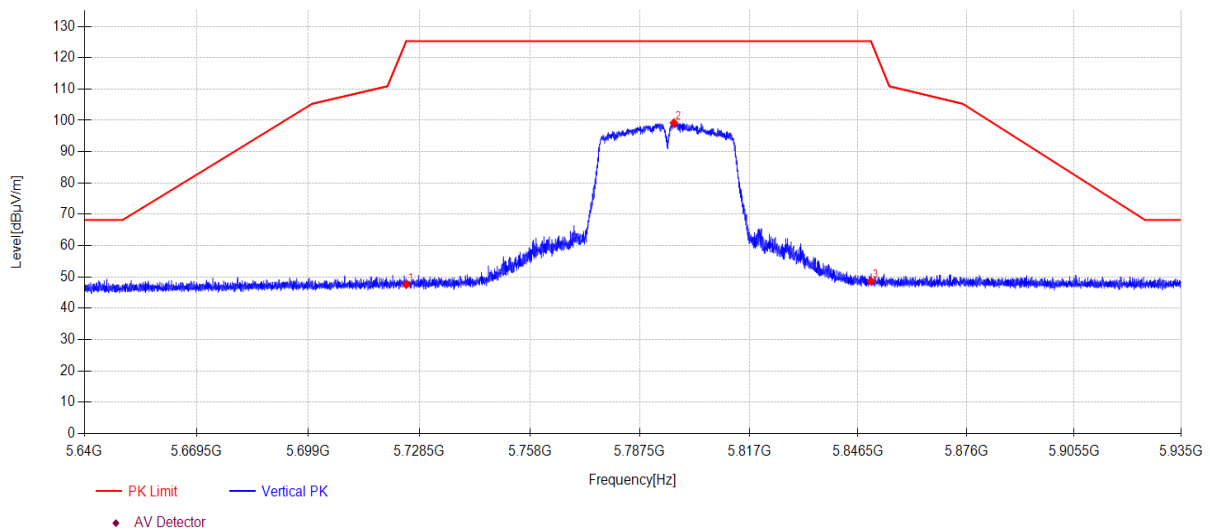
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5.8GWIFI\32  
**Memo:** 11AC40MIMO 5795

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5725.00     | 47.63            | 7.34            | 33.45               | -40.81   | 47.61          | 125.30         | 77.69       | PK       | Vertical |
| 2                   | 5796.67     | 98.82            | 7.48            | 33.69               | -40.78   | 99.21          | 125.30         | 26.09       | PK       | Vertical |
| 3                   | 5850.00     | 48.04            | 7.59            | 33.80               | -40.76   | 48.67          | 125.27         | 76.60       | PK       | Vertical |

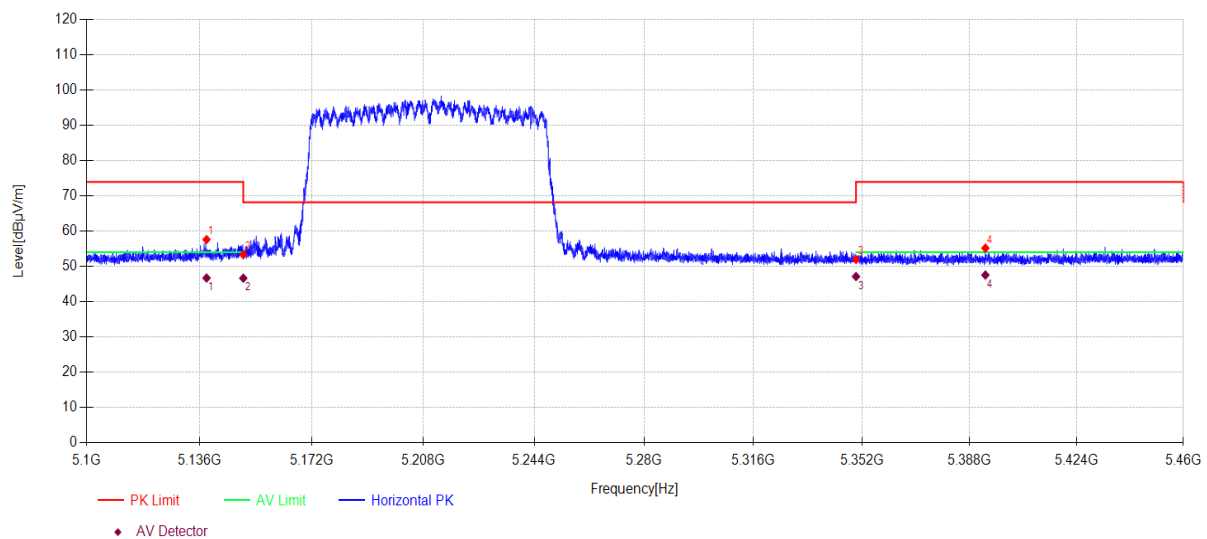
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\43  
**Memo:** 11AC80MIMO 5210

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5138.23     | 49.57            | 6.19            | 32.90               | -31.04   | 57.62          | 74.00          | 16.38       | PK       | Horizontal |
| 2                   | 5150.00     | 45.25            | 6.21            | 32.90               | -31.04   | 53.32          | 68.20          | 14.88       | PK       | Horizontal |
| 3                   | 5350.00     | 43.42            | 6.61            | 32.90               | -30.96   | 51.97          | 74.00          | 22.03       | PK       | Horizontal |
| 4                   | 5393.22     | 46.53            | 6.69            | 32.90               | -30.94   | 55.18          | 74.00          | 18.82       | PK       | Horizontal |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |            |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 5138.23     | 38.66            | 6.19            | 32.90               | -31.04   | 46.71          | 54.00          | 7.29        | AV       | Horizontal |
| 2               | 5150.00     | 38.59            | 6.21            | 32.90               | -31.04   | 46.66          | 54.00          | 7.34        | AV       | Horizontal |
| 3               | 5350.00     | 38.57            | 6.61            | 32.90               | -30.96   | 47.12          | 54.00          | 6.88        | AV       | Horizontal |
| 4               | 5393.22     | 38.90            | 6.69            | 32.90               | -30.94   | 47.55          | 54.00          | 6.45        | AV       | Horizontal |

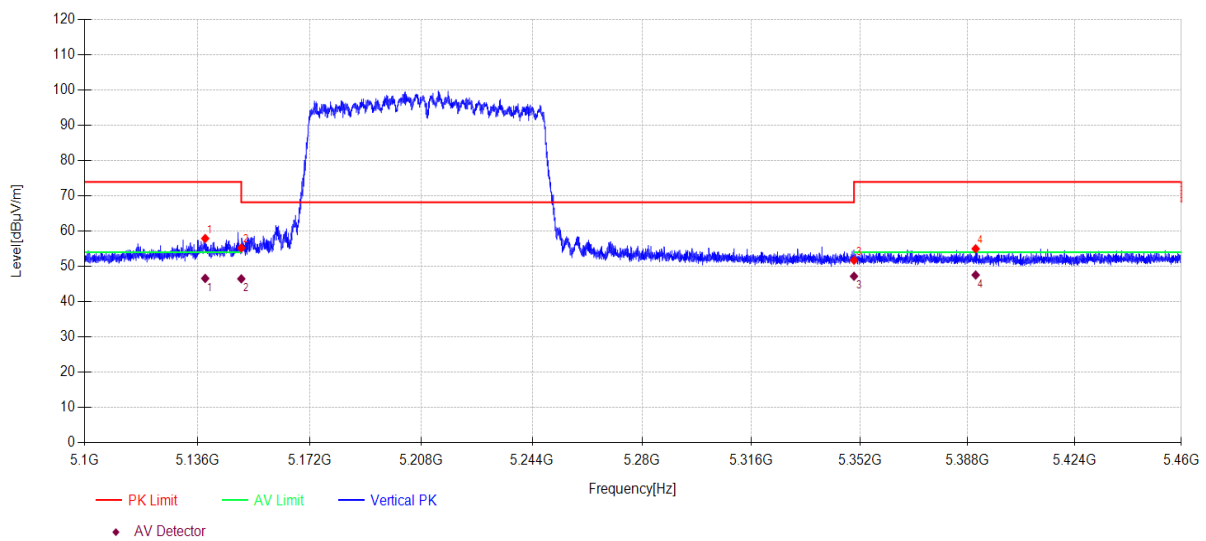
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\44  
**Memo:** 11AC80MIMO 5210

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5138.45     | 49.87            | 6.19            | 32.90               | -31.04   | 57.92          | 74.00          | 16.08       | PK       | Vertical |
| 2                   | 5150.00     | 47.16            | 6.21            | 32.90               | -31.04   | 55.23          | 68.20          | 12.97       | PK       | Vertical |
| 3                   | 5350.00     | 43.21            | 6.61            | 32.90               | -30.96   | 51.76          | 74.00          | 22.24       | PK       | Vertical |
| 4                   | 5390.63     | 46.35            | 6.69            | 32.90               | -30.94   | 55.00          | 74.00          | 19.00       | PK       | Vertical |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |          |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1               | 5138.45     | 38.54            | 6.19            | 32.90               | -31.04   | 46.59          | 54.00          | 7.41        | AV       | Vertical |
| 2               | 5150.00     | 38.41            | 6.21            | 32.90               | -31.04   | 46.48          | 54.00          | 7.52        | AV       | Vertical |
| 3               | 5350.00     | 38.65            | 6.61            | 32.90               | -30.96   | 47.20          | 54.00          | 6.80        | AV       | Vertical |
| 4               | 5390.63     | 38.91            | 6.69            | 32.90               | -30.94   | 47.56          | 54.00          | 6.44        | AV       | Vertical |

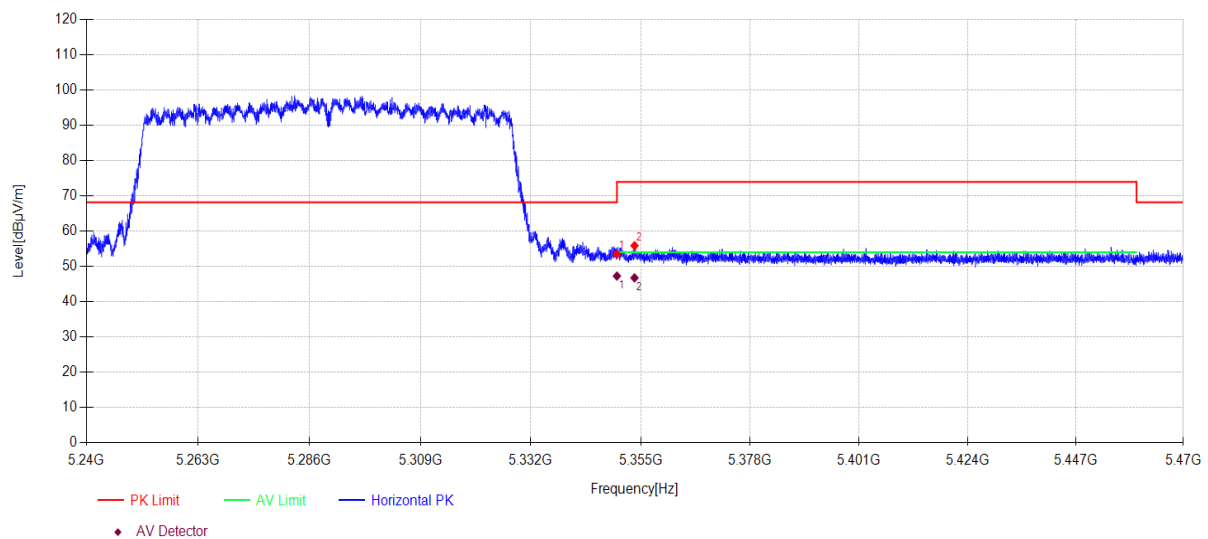
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\45  
**Memo:** 11AC80MIMO 5290

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5350.00     | 44.90            | 6.61            | 32.90               | -30.96   | 53.45          | 74.00          | 20.55       | PK       | Horizontal |
| 2                   | 5353.69     | 47.34            | 6.61            | 32.90               | -30.96   | 55.89          | 74.00          | 18.11       | PK       | Horizontal |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |            |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1               | 5350.00     | 38.70            | 6.61            | 32.90               | -30.96   | 47.25          | 54.00          | 6.75        | AV       | Horizontal |
| 2               | 5353.69     | 38.20            | 6.61            | 32.90               | -30.96   | 46.75          | 54.00          | 7.25        | AV       | Horizontal |

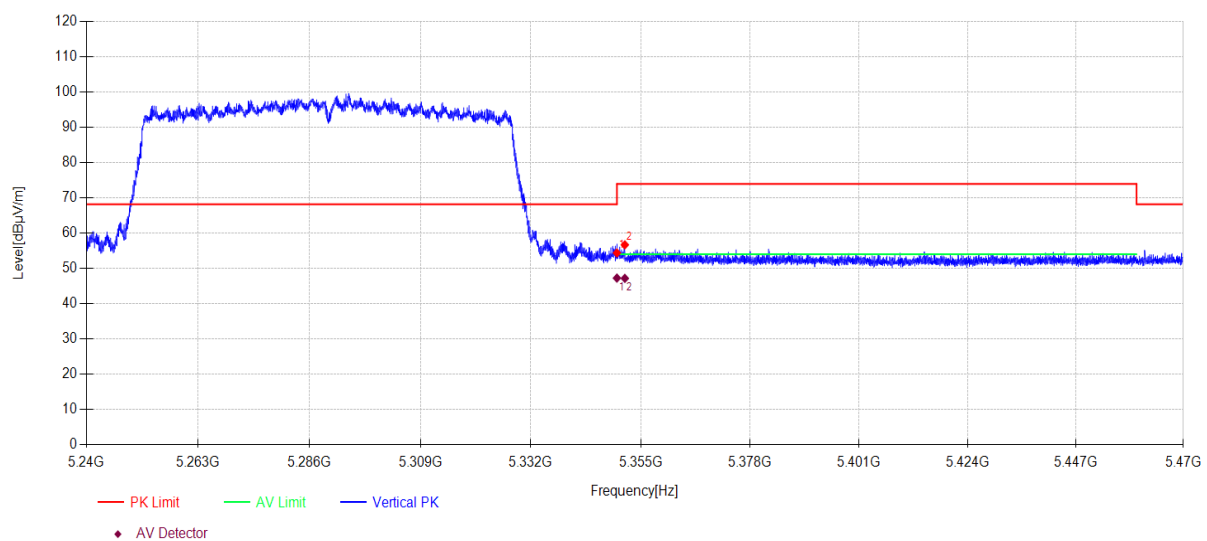
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\46  
**Memo:** 11AC80MIMO 5290

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5350.00     | 45.84            | 6.61            | 32.90               | -30.96   | 54.39          | 74.00          | 19.61       | PK       | Vertical |
| 2                   | 5351.67     | 48.13            | 6.61            | 32.90               | -30.96   | 56.68          | 74.00          | 17.32       | PK       | Vertical |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |          |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1               | 5350.00     | 38.71            | 6.61            | 32.90               | -30.96   | 47.26          | 54.00          | 6.74        | AV       | Vertical |
| 2               | 5351.67     | 38.63            | 6.61            | 32.90               | -30.96   | 47.18          | 54.00          | 6.82        | AV       | Vertical |

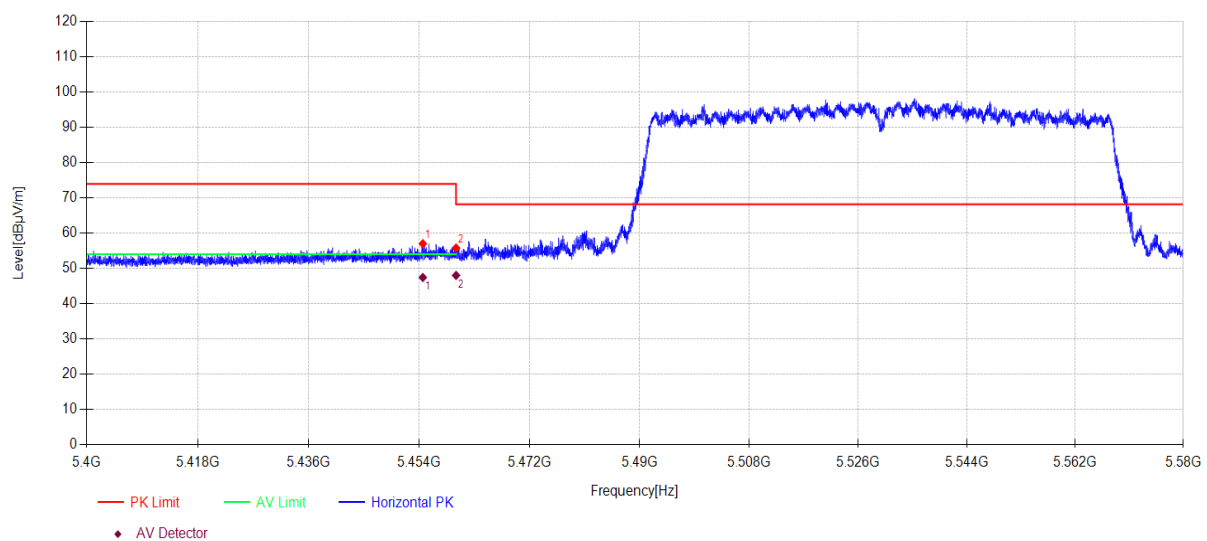
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\47  
**Memo:** 11AC80MIMO 5530

### Test Graph



### Suspected Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1  | 5454.58     | 48.22            | 6.81            | 32.90               | -30.92   | 57.01          | 74.00          | 16.99       | PK       | Horizontal |
| 2  | 5460.00     | 46.99            | 6.82            | 32.90               | -30.92   | 55.79          | 68.20          | 12.41       | PK       | Horizontal |

### Final Data List

| NO | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
|----|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| 1  | 5454.58     | 38.64            | 6.81            | 32.90               | -30.92   | 47.43          | 54.00          | 6.57        | AV       | Horizontal |
| 2  | 5460.00     | 39.21            | 6.82            | 32.90               | -30.92   | 48.01          | 54.00          | 5.99        | AV       | Horizontal |

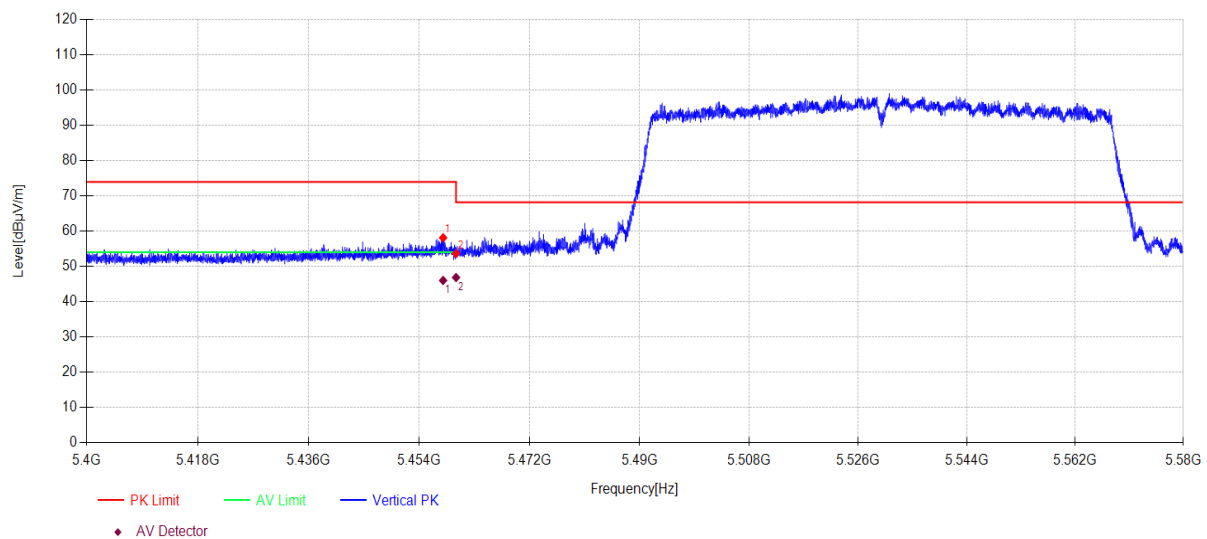
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\48  
**Memo:** 11AC80MIMO 5530

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5457.89     | 49.32            | 6.82            | 32.90               | -30.92   | 58.12          | 74.00          | 15.88       | PK       | Vertical |
| 2                   | 5460.00     | 44.85            | 6.82            | 32.90               | -30.92   | 53.65          | 68.20          | 14.55       | PK       | Vertical |

| Final Data List |             |                  |                 |                     |          |                |                |             |          |          |
|-----------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO              | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1               | 5457.89     | 37.21            | 6.82            | 32.90               | -30.92   | 46.01          | 54.00          | 7.99        | AV       | Vertical |
| 2               | 5460.00     | 38.04            | 6.82            | 32.90               | -30.92   | 46.84          | 54.00          | 7.16        | AV       | Vertical |

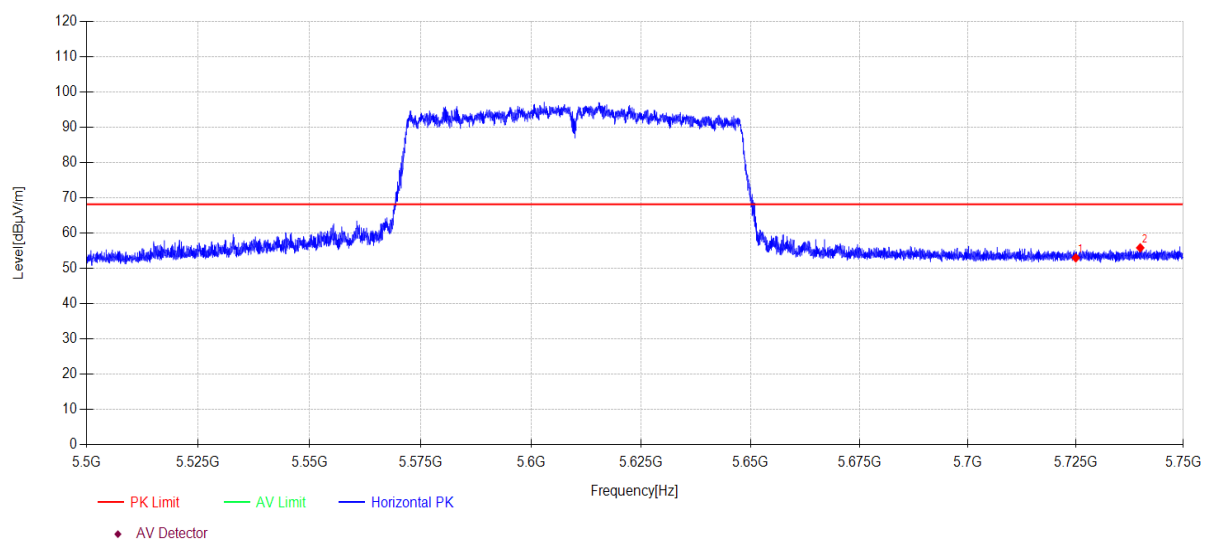
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\49  
**Memo:** 11AC80MIMO 5610

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5725.00     | 43.01            | 7.34            | 33.45               | -30.81   | 52.99          | 68.20          | 15.21       | PK       | Horizontal |
| 2                   | 5739.98     | 45.79            | 7.37            | 33.48               | -30.80   | 55.84          | 68.20          | 12.36       | PK       | Horizontal |

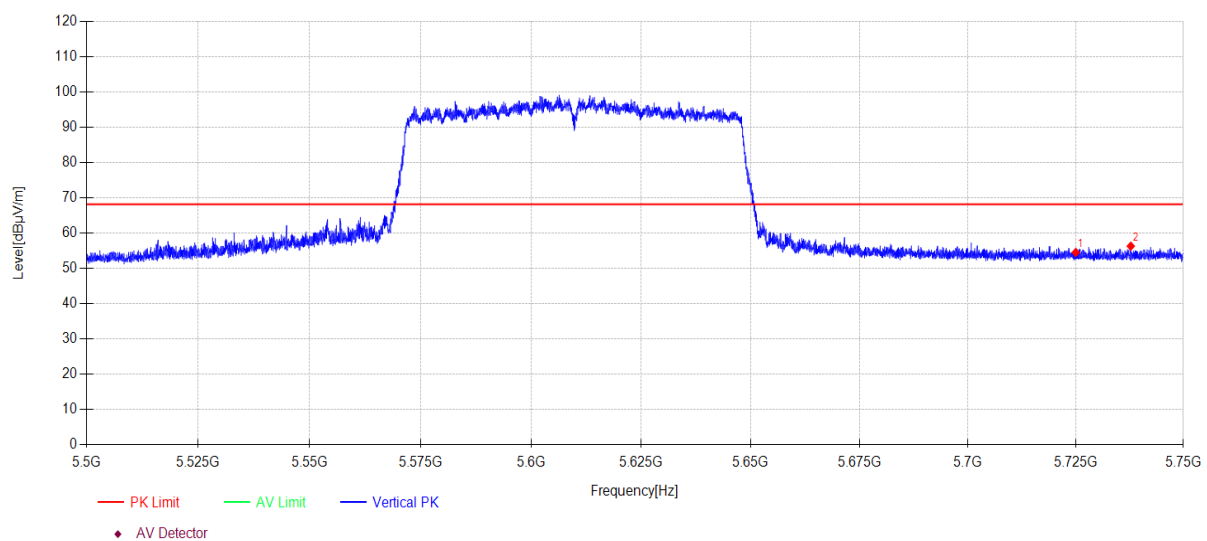
### Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\50  
**Memo:** 11AC80MIMO 5610

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5725.00     | 44.56            | 7.34            | 33.45               | -30.81   | 54.54          | 68.20          | 13.66       | PK       | Vertical |
| 2                   | 5737.78     | 46.27            | 7.37            | 33.48               | -30.80   | 56.32          | 68.20          | 11.88       | PK       | Vertical |

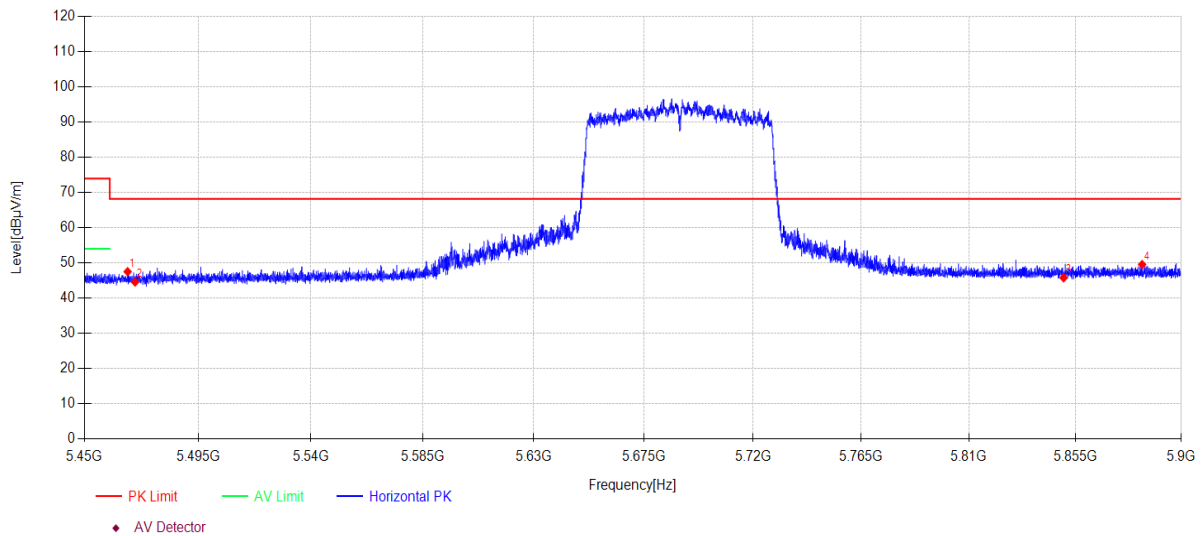
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19 **Tested By:** Bairong  
**EUT:** LCD Smart Projector **Model Number:** XMM2101  
**Test Mode:** TX Mode **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\77  
**Memo:** 11AC80MIMO 5690

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5467.06     | 48.68            | 6.84            | 32.90               | -40.91   | 47.51          | 68.20          | 20.69       | PK       | Horizontal |
| 2                   | 5470.00     | 45.73            | 6.84            | 32.90               | -40.91   | 44.56          | 68.20          | 23.64       | PK       | Horizontal |
| 3                   | 5850.00     | 45.12            | 7.59            | 33.80               | -40.76   | 45.75          | 68.20          | 22.45       | PK       | Horizontal |
| 4                   | 5883.31     | 48.78            | 7.65            | 33.87               | -40.75   | 49.55          | 68.20          | 18.65       | PK       | Horizontal |

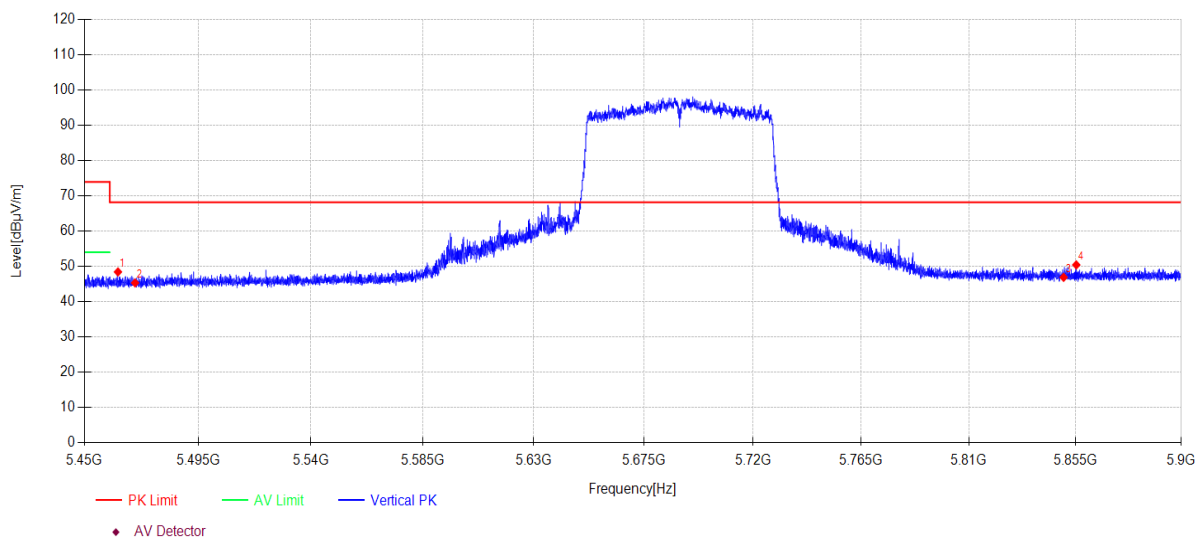
### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5GWIFI\78  
**Memo:** 11AC80MIMO 5690

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5463.23     | 49.61            | 6.83            | 32.90               | -40.91   | 48.43          | 68.20          | 19.77       | PK       | Vertical |
| 2                   | 5470.00     | 46.50            | 6.84            | 32.90               | -40.91   | 45.33          | 68.20          | 22.87       | PK       | Vertical |
| 3                   | 5850.00     | 46.26            | 7.59            | 33.80               | -40.76   | 46.89          | 68.20          | 21.31       | PK       | Vertical |
| 4                   | 5855.36     | 49.78            | 7.60            | 33.81               | -40.76   | 50.43          | 68.20          | 17.77       | PK       | Vertical |

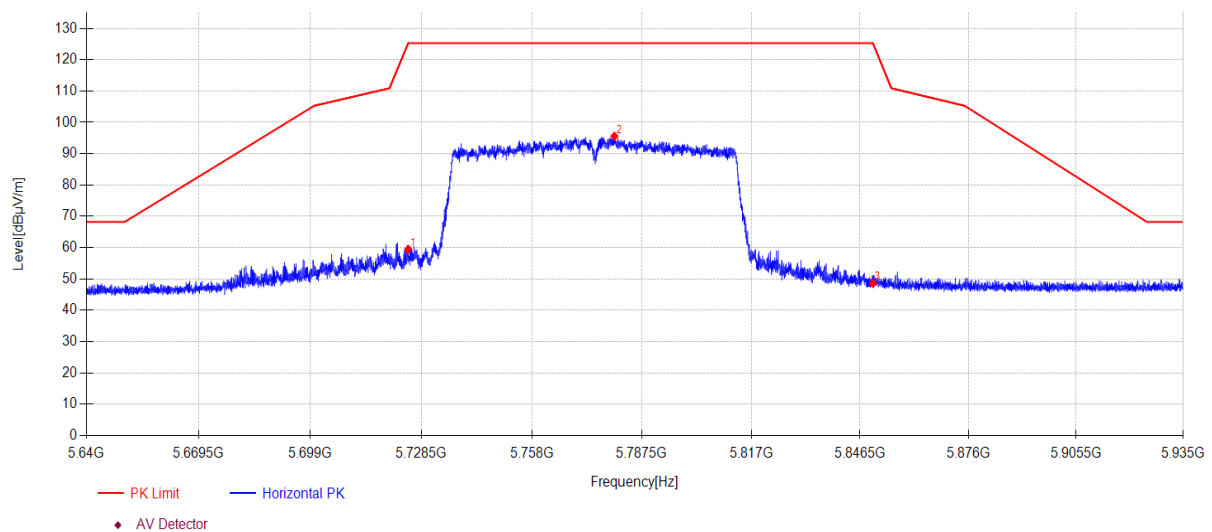
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5.8GWIFI\33  
**Memo:** 11AC80MIMO 5775

### Test Graph



| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |            |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|------------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   |
| 1                   | 5725.00     | 59.49            | 7.34            | 33.45               | -40.81   | 59.47          | 125.30         | 65.83       | PK       | Horizontal |
| 2                   | 5780.13     | 95.29            | 7.45            | 33.62               | -40.79   | 95.57          | 125.30         | 29.73       | PK       | Horizontal |
| 3                   | 5850.00     | 47.97            | 7.59            | 33.80               | -40.76   | 48.60          | 125.27         | 76.67       | PK       | Horizontal |

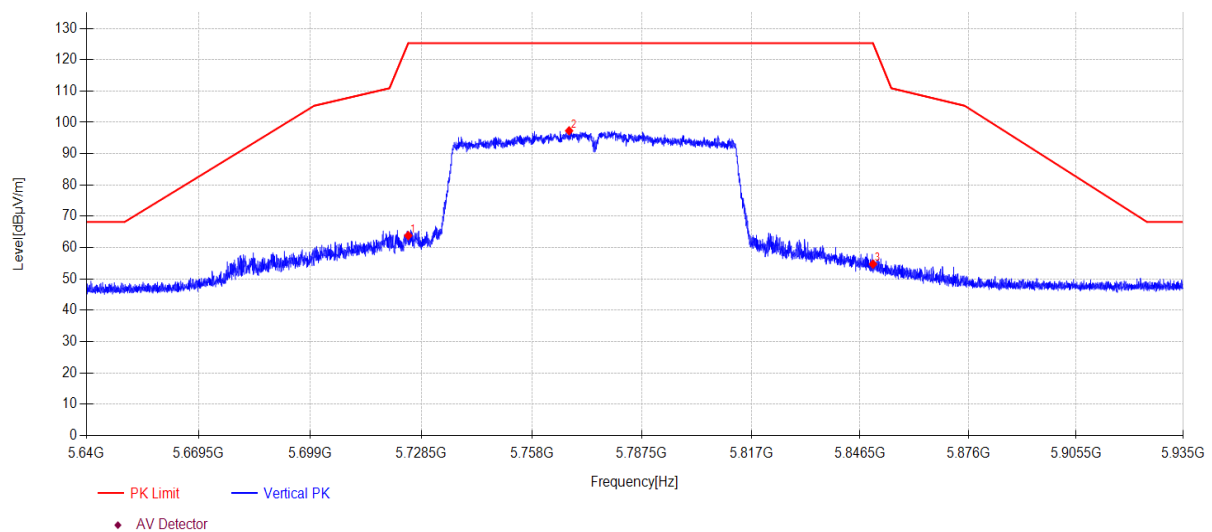
#### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Date:** 2023-05-19      **Tested By:** Bairong  
**EUT:** LCD Smart Projector      **Model Number:** XMM2101  
**Test Mode:** TX Mode      **Power Supply:** AC 120V/60Hz  
**Condition:** Temp:22.2°C;Humi:56.7%      **Test Site:** DDT 3# Chamber  
**File Path:** d:\ts\2023 report data\Q23042304-2E XMM2101\FCC ABOVE 1G 5.8GWIFI\34  
**Memo:** 11AC80MIMO 5775

### Test Graph



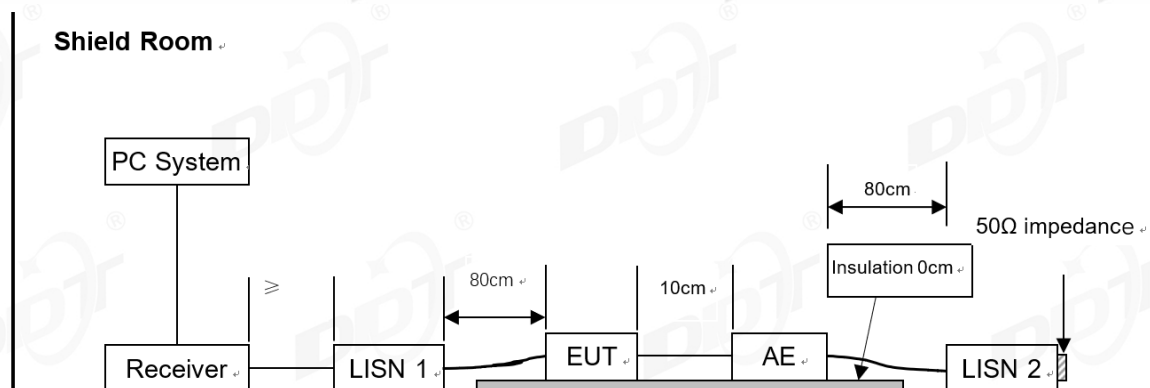
| Suspected Data List |             |                  |                 |                     |          |                |                |             |          |          |
|---------------------|-------------|------------------|-----------------|---------------------|----------|----------------|----------------|-------------|----------|----------|
| NO                  | Freq. [MHz] | Reading [dBμV/m] | Cable loss [dB] | Antenna Factor [dB] | AMP [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity |
| 1                   | 5725.00     | 63.87            | 7.34            | 33.45               | -40.81   | 63.85          | 125.30         | 61.45       | PK       | Vertical |
| 2                   | 5767.97     | 97.10            | 7.43            | 33.57               | -40.79   | 97.31          | 125.30         | 27.99       | PK       | Vertical |
| 3                   | 5850.00     | 54.13            | 7.59            | 33.80               | -40.76   | 54.76          | 125.27         | 70.51       | PK       | Vertical |

#### Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

### 13. Power Line Conducted Emission

### 13.1. Block diagram of test setup



### 13.2. Power Line Conducted Emission Limits (Class B)

| Frequency         | Quasi-Peak Level<br>dB(μV) | Average Level<br>dB(μV) |
|-------------------|----------------------------|-------------------------|
| 150 kHz ~ 500 kHz | 66 ~ 56*                   | 56 ~ 46*                |
| 500 kHz ~ 5 MHz   | 56                         | 46                      |
| 5 MHz ~ 30 MHz    | 60                         | 50                      |

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

### 13.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.3 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.3 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

#### **13.4. Test Result**

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means peak detection; “-----” means average detection

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case (AC 120V/60Hz).

# TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2023 CE report data\Q23042304-2E\1.EM6

Test Date : 2023-05-16

Tested By : Liaowanrong

EUT : LCD Smart Projector

Model Number : XMM2101

Power Supply : AC 120V/60Hz

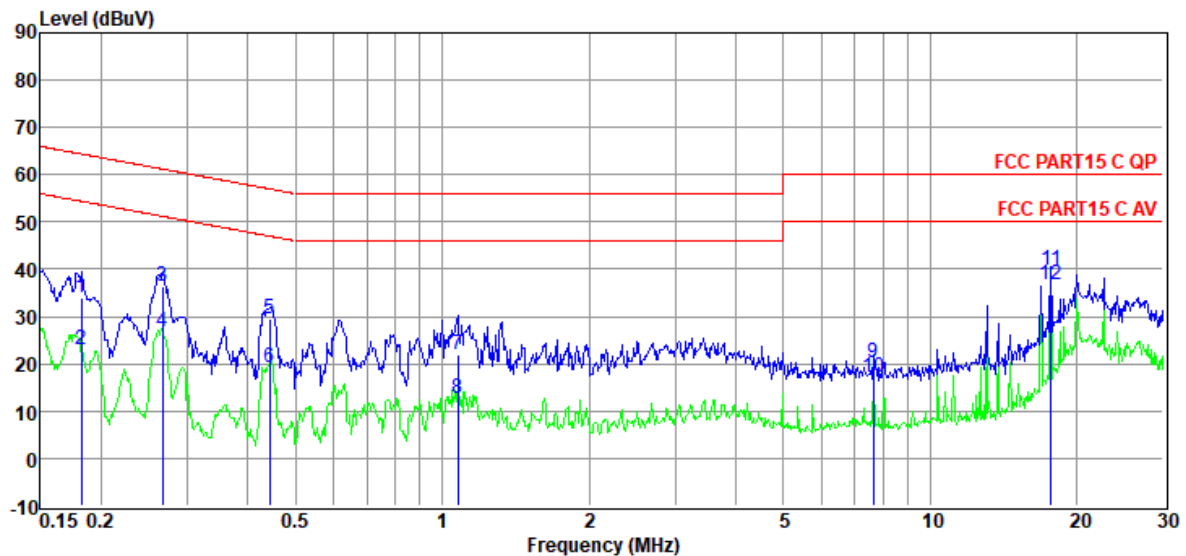
Test Mode : TX

Condition : TEMP:23.1°C, RH:52.1%, BP:101.1kPa LISN

: 2022 1# ENV216/LINE

Memo : 5G WIFI

Data: 14



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Over Limit | Detector | Phase |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|------------|----------|-------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)       |          |       |
| 1      | 0.18  | 14.46      | 9.74        | 0.01       | 9.91                 | 34.12        | 64.37      | -30.25     | QP       | LINE  |
| 2      | 0.18  | 3.27       | 9.74        | 0.01       | 9.91                 | 22.93        | 54.37      | -31.44     | Average  | LINE  |
| 3      | 0.27  | 16.66      | 9.77        | 0.01       | 9.91                 | 36.35        | 61.20      | -24.85     | QP       | LINE  |
| 4      | 0.27  | 7.00       | 9.77        | 0.01       | 9.91                 | 26.69        | 51.20      | -24.51     | Average  | LINE  |
| 5      | 0.44  | 10.02      | 9.71        | 0.01       | 9.92                 | 29.66        | 57.02      | -27.36     | QP       | LINE  |
| 6      | 0.44  | -0.54      | 9.71        | 0.01       | 9.92                 | 19.10        | 47.02      | -27.92     | Average  | LINE  |
| 7      | 1.08  | 2.54       | 9.51        | 0.02       | 9.91                 | 21.98        | 56.00      | -34.02     | QP       | LINE  |
| 8      | 1.08  | -6.65      | 9.51        | 0.02       | 9.91                 | 12.79        | 46.00      | -33.21     | Average  | LINE  |
| 9      | 7.65  | 0.81       | 9.58        | 0.07       | 9.93                 | 20.39        | 60.00      | -39.61     | QP       | LINE  |
| 10     | 7.65  | -2.40      | 9.58        | 0.07       | 9.93                 | 17.18        | 50.00      | -32.82     | Average  | LINE  |
| 11     | 17.66 | 20.29      | 9.63        | 0.13       | 9.94                 | 39.99        | 60.00      | -20.01     | QP       | LINE  |
| 12     | 17.66 | 17.12      | 9.63        | 0.13       | 9.94                 | 36.82        | 50.00      | -13.18     | Average  | LINE  |

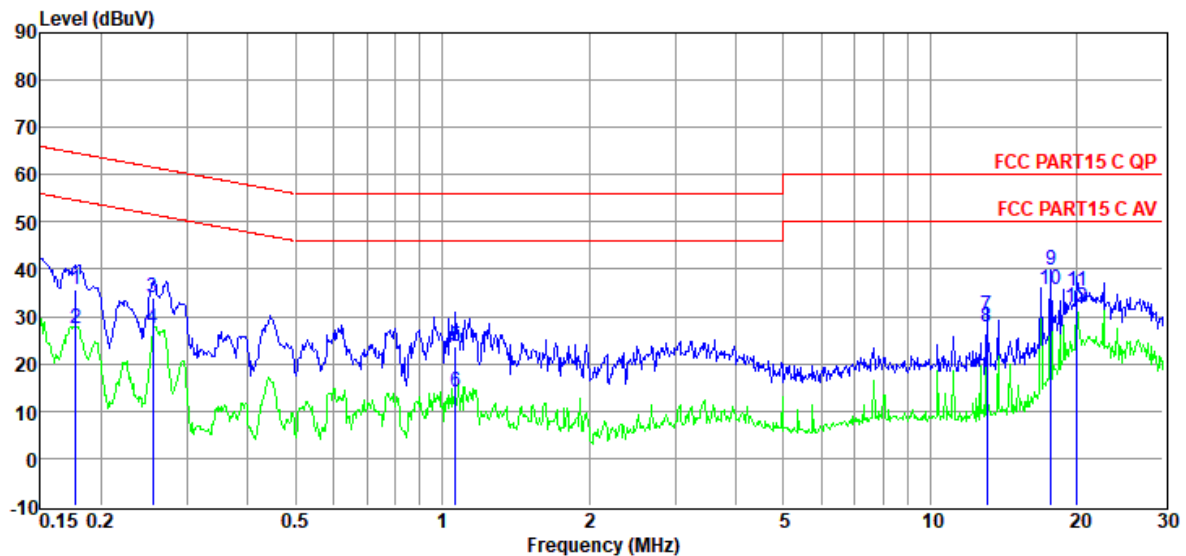
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room **D:\2023 CE report data\Q23042304-2E\1.EM6**  
**Test Date** : 2023-05-16 **Tested By** : Liaowanrong  
**EUT** : LCD Smart Projector **Model Number** : XMM2101  
**Power Supply** : AC 120V/60Hz **Test Mode** : TX  
**Condition** : TEMP:23.1°C, RH:52.1%, BP:101.1kPa **LISN** : 2022 1# ENV216/NEUTRAL  
**Memo** : 5G WIFI

Data: 16



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Over Limit | Detector | Phase   |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|------------|----------|---------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)       |          |         |
| 1      | 0.18  | 16.08      | 9.86        | 0.01       | 9.92                 | 35.87        | 64.59      | -28.72     | QP       | NEUTRAL |
| 2      | 0.18  | 7.68       | 9.86        | 0.01       | 9.92                 | 27.47        | 54.59      | -27.12     | Average  | NEUTRAL |
| 3      | 0.25  | 14.33      | 9.82        | 0.01       | 9.91                 | 34.07        | 61.60      | -27.53     | QP       | NEUTRAL |
| 4      | 0.25  | 7.70       | 9.82        | 0.01       | 9.91                 | 27.44        | 51.60      | -24.16     | Average  | NEUTRAL |
| 5      | 1.07  | 4.05       | 9.70        | 0.02       | 9.91                 | 23.68        | 56.00      | -32.32     | QP       | NEUTRAL |
| 6      | 1.07  | -5.62      | 9.70        | 0.02       | 9.91                 | 14.01        | 46.00      | -31.99     | Average  | NEUTRAL |
| 7      | 13.06 | 10.55      | 9.73        | 0.11       | 9.95                 | 30.34        | 60.00      | -29.66     | QP       | NEUTRAL |
| 8      | 13.06 | 8.14       | 9.73        | 0.11       | 9.95                 | 27.93        | 50.00      | -22.07     | Average  | NEUTRAL |
| 9      | 17.66 | 20.04      | 9.76        | 0.13       | 9.94                 | 39.87        | 60.00      | -20.13     | QP       | NEUTRAL |
| 10     | 17.66 | 15.95      | 9.76        | 0.13       | 9.94                 | 35.78        | 50.00      | -14.22     | Average  | NEUTRAL |
| 11     | 19.95 | 15.52      | 9.80        | 0.14       | 9.94                 | 35.40        | 60.00      | -24.60     | QP       | NEUTRAL |
| 12     | 19.95 | 12.19      | 9.80        | 0.14       | 9.94                 | 32.07        | 50.00      | -17.93     | Average  | NEUTRAL |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

## 14. Dynamic Frequency Selection

### 14.1. Applicability of DFS requirements

**Table 1: Applicability of DFS Requirements Prior to Use of a Channel**

| Requirement                     | Operational Mode                |                                                                    |                                                      |
|---------------------------------|---------------------------------|--------------------------------------------------------------------|------------------------------------------------------|
|                                 | <input type="checkbox"/> Master | <input checked="" type="checkbox"/> Client Without Radar Detection | <input type="checkbox"/> Client with Radar Detection |
| Non-Occupancy Period            | Yes                             | Not required                                                       | Yes                                                  |
| DFS Detection Threshold         | Yes                             | Not required                                                       | Yes                                                  |
| Channel Availability Check Time | Yes                             | Not required                                                       | Not required                                         |
| U-NII Detection Bandwidth       | Yes                             | Not required                                                       | Yes                                                  |

**Table 2: Applicability of DFS requirements during normal operation**

| Requirement                       | Operational Mode                                                      |                                                                    |
|-----------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
|                                   | <input type="checkbox"/> Master Device or Client with Radar Detection | <input checked="" type="checkbox"/> Client Without Radar Detection |
| DFS Detection Threshold           | Yes                                                                   | Not required                                                       |
| Channel Closing Transmission Time | Yes                                                                   | Yes                                                                |
| Channel Move Time                 | Yes                                                                   | Yes                                                                |
| U-NII Detection Bandwidth         | Yes                                                                   | Not required                                                       |

|                                                                   |                                                                       |                                                                    |
|-------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| Additional requirements for devices with multiple bandwidth modes | <input type="checkbox"/> Master Device or Client with Radar Detection | <input checked="" type="checkbox"/> Client Without Radar Detection |
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested                                           | Not required                                                       |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available                                   | Test using the widest BW mode available for the link               |
| All other tests                                                   | Any single BW mode                                                    | Not required                                                       |

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

## 14.2. Limit

### (1) DFS Detection Thresholds

**Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar**

#### Detection

| Maximum Transmit Power                                                             | Value<br>(See Notes 1, 2, and 3) |
|------------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                          | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                    | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the<br>power<br>spectral density requirement | -64 dBm                          |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.  
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.  
 Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

### (2) DFS Response Requirements

**Table 4: DFS Response Requirement Values**

| Parameter                         | Value                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Non-occupancy period              | Minimum 30 minutes                                                                                           |
| Channel Availability Check Time   | 60 seconds                                                                                                   |
| Channel Move Time                 | 10 seconds<br>See Note 1.                                                                                    |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over<br>remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission<br>power bandwidth. See Note 3.                                   |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.  
 Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.  
 Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

### 14.3. Parameters of radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                                                                                                                                                                                                                                                                                         | Pulse Width (μsec) | PRI (μsec) | Number of Pulses                                                                                                              | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                                                                                                                                                                                                                                                                                  | 1                  | 1428       | 18                                                                                                                            | See Note 1                                 | See Note 1               |
| 1                                                                                                                                                                                                                                                                                                                                                                                                  | 1                  | Test A     | Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 60%                                        | 30                       |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                    | Test B     |                                                                                                                               |                                            |                          |
| 2                                                                                                                                                                                                                                                                                                                                                                                                  | 1-5                | 150-230    | 23-29                                                                                                                         | 60%                                        | 30                       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                  | 6-10               | 200-500    | 16-18                                                                                                                         | 60%                                        | 30                       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                  | 11-20              | 200-500    | 12-16                                                                                                                         | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                                                                                                                                                                                                                                                                                        |                    |            |                                                                                                                               | 80%                                        | 120                      |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.<br>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a<br>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                    |            |                                                                                                                               |                                            |                          |

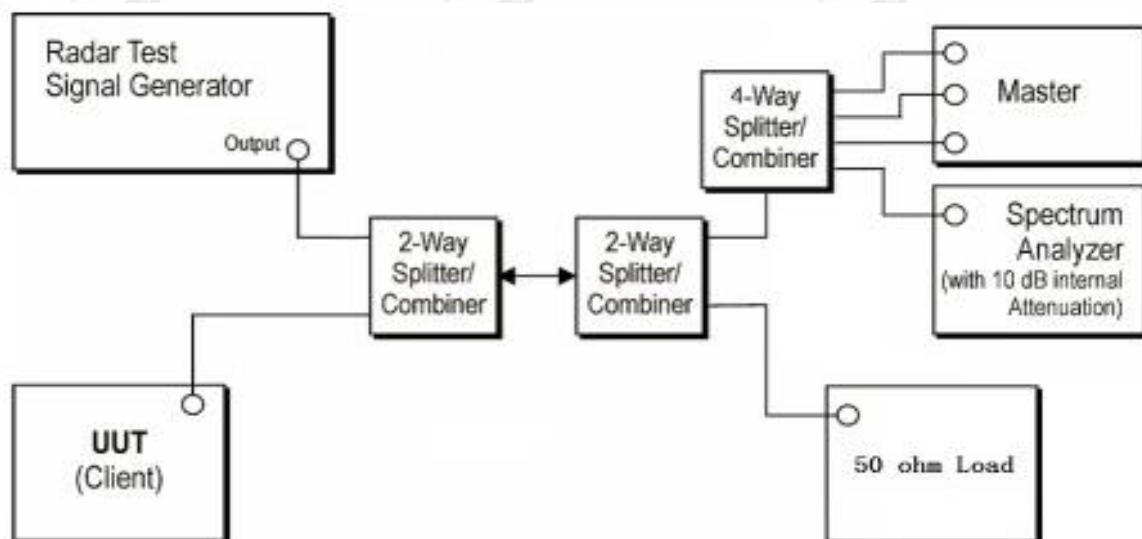
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

#### 14.4. Calibration of radar waveform

Radar Waveform Calibration Procedure:

- (1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
- (2) The interference Radar Detection Threshold Level is  $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$  that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset  $-1.0\text{dB}$  to compensate RF cable loss  $1.0\text{dB}$ .
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was  $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ . Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup:



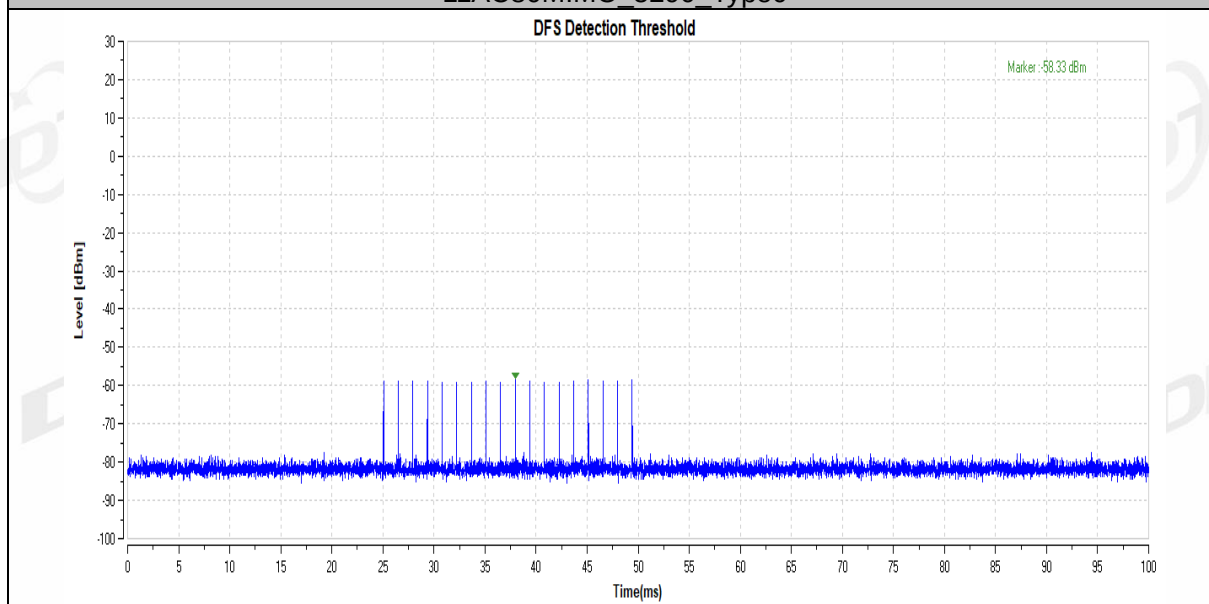
Note: 1. Use the software "Web" to set the frequency channel.

2. EUT is not support TPC and not with Radar detection.

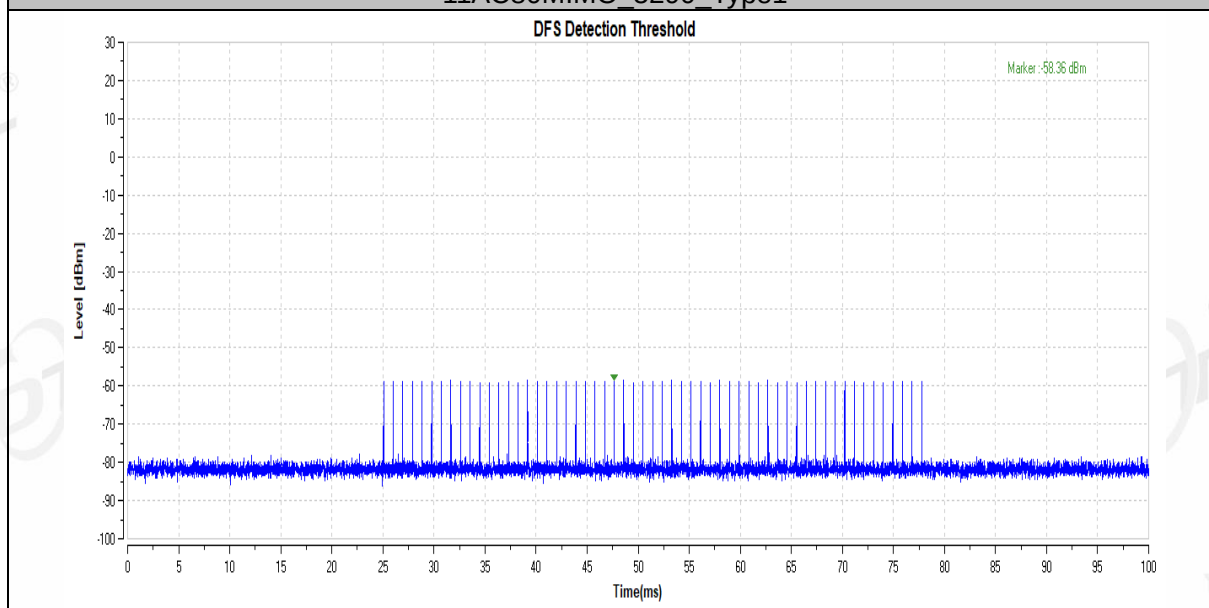
## Radar Waveform Calibration Result:

| Test Mode  | Frequency [dbm] | Radar Type | Result | Limit [dbm] | Verdict |
|------------|-----------------|------------|--------|-------------|---------|
| 11AC80MIMO | 5290            | Type0      | -58.33 | -58.11      | PASS    |
|            |                 | Type1      | -58.36 | -58.11      | PASS    |
|            |                 | Type2      | -58.14 | -58.11      | PASS    |
|            |                 | Type3      | -58.20 | -58.11      | PASS    |
|            |                 | Type4      | -58.27 | -58.11      | PASS    |
|            |                 | Type5      | -58.36 | -58.11      | PASS    |
|            |                 | Type6      | -58.39 | -58.11      | PASS    |

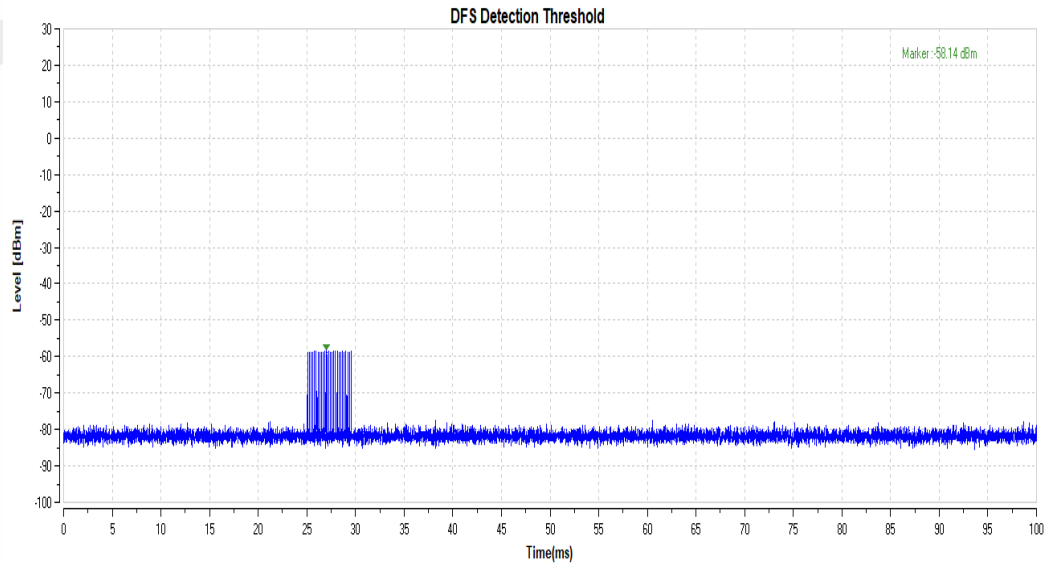
11AC80MIMO\_5290\_Type0



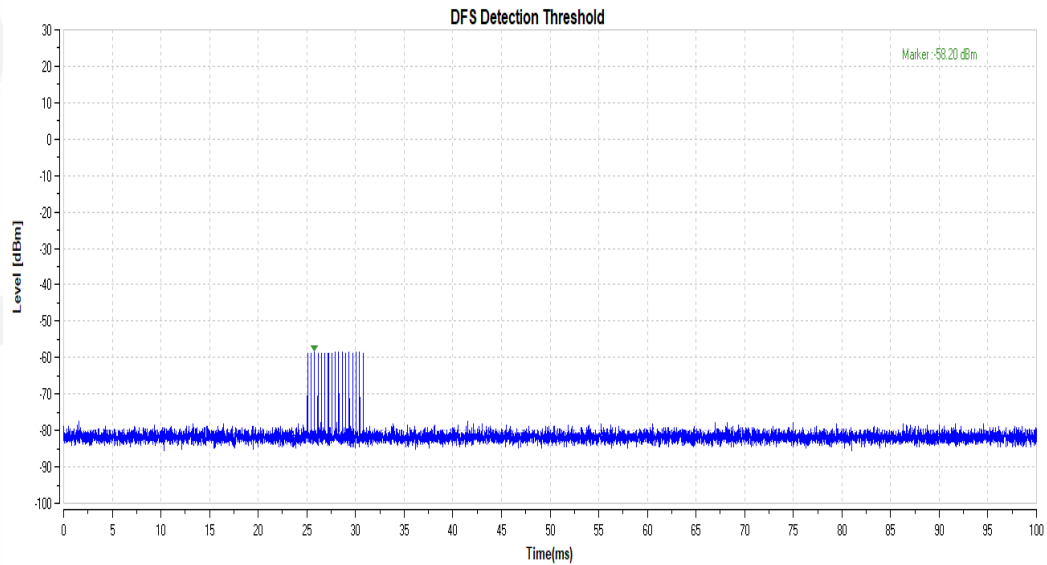
11AC80MIMO\_5290\_Type1



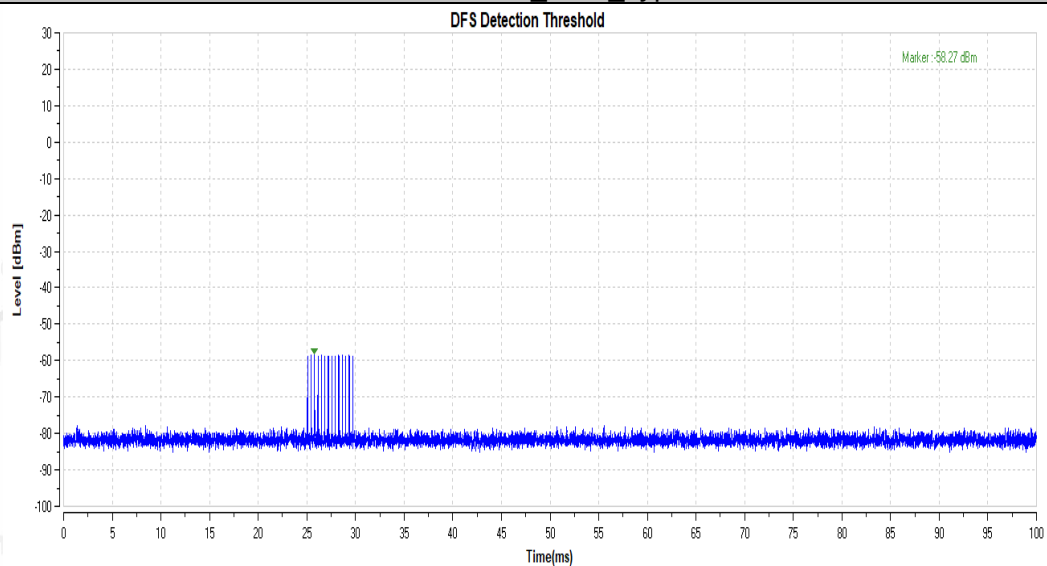
## 11AC80MIMO\_5290\_Type2

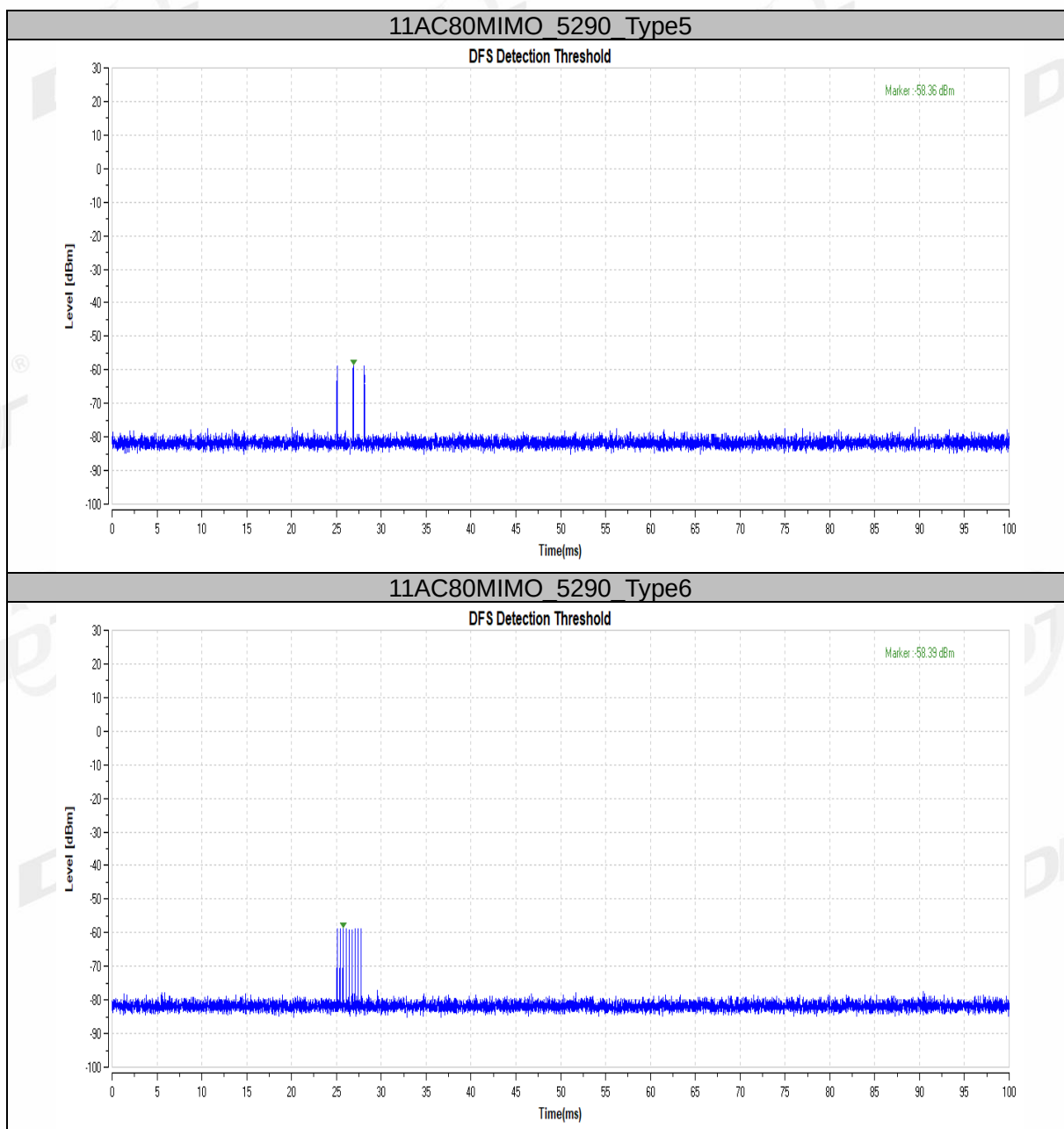


## 11AC80MIMO\_5290\_Type3



## 11AC80MIMO\_5290\_Type4





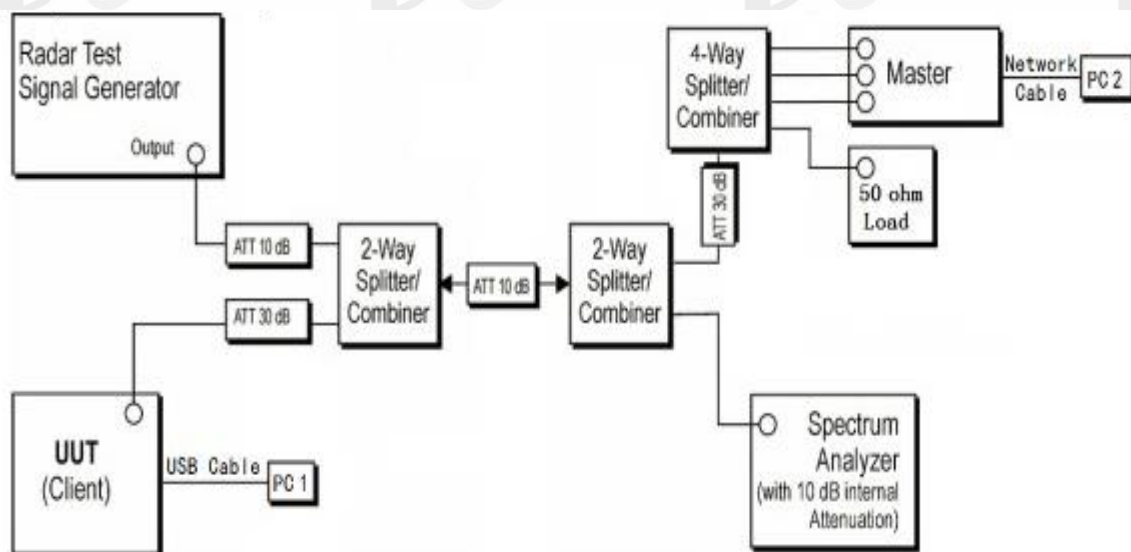
#### 14.5. Channel closing transmission time, channel move time and non-occupancy period

Block diagram of test setup Test Procedure:

- (1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- (2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- (3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- (4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.
- (5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- (6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- (7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the
- (8) spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- (9) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

## 14.6. Test setup

Setup for Client with injection at the Master

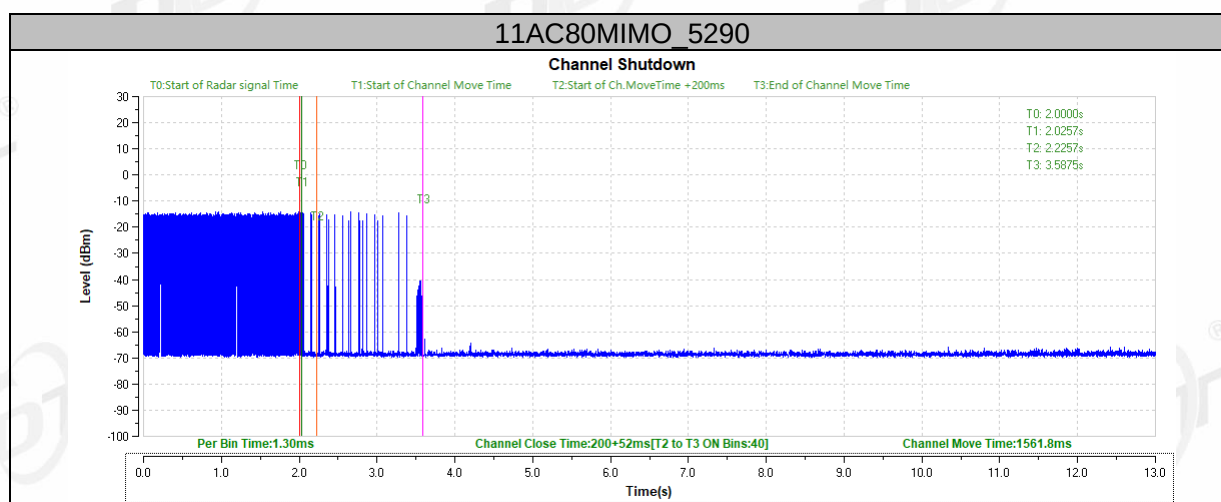


Note: For details about the master device used for testing, see section 2.3.

## 14.7. Test result

Channel Move Time and Channel Closing Transmission Time:

| Test Mode  | Frequency [MHz] | CCTT [ms] | Limit [ms] | CMT [ms] | Limit [ms] | Verdict |
|------------|-----------------|-----------|------------|----------|------------|---------|
| 11AC80MIMO | 5290            | 200+52    | 200+60     | 1561.8   | 10000      | PASS    |



## 15. Antenna Requirements

### 15.1. Limit

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.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

### 15.2. Result

The device support 2T2R MIMO, the antennas both used for this product are FPC antennas and no other antennas shall be used except the antennas furnished by the responsible party, maximum antenna gain is 3.4 dBi for antenna 1, 3.7 dBi for antenna 2.

## 17. Photos of the EUT

Please refer to Appendix I: Photos of the EUT.

**END OF REPORT**