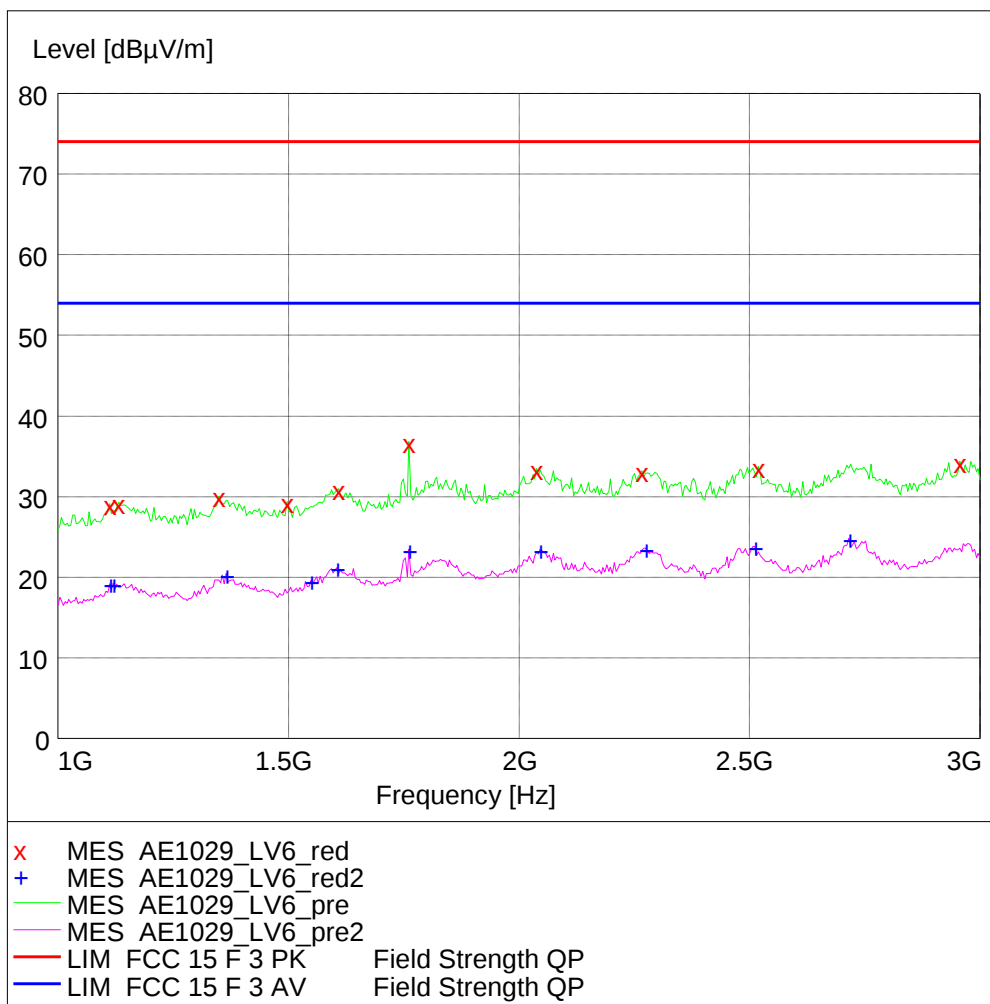
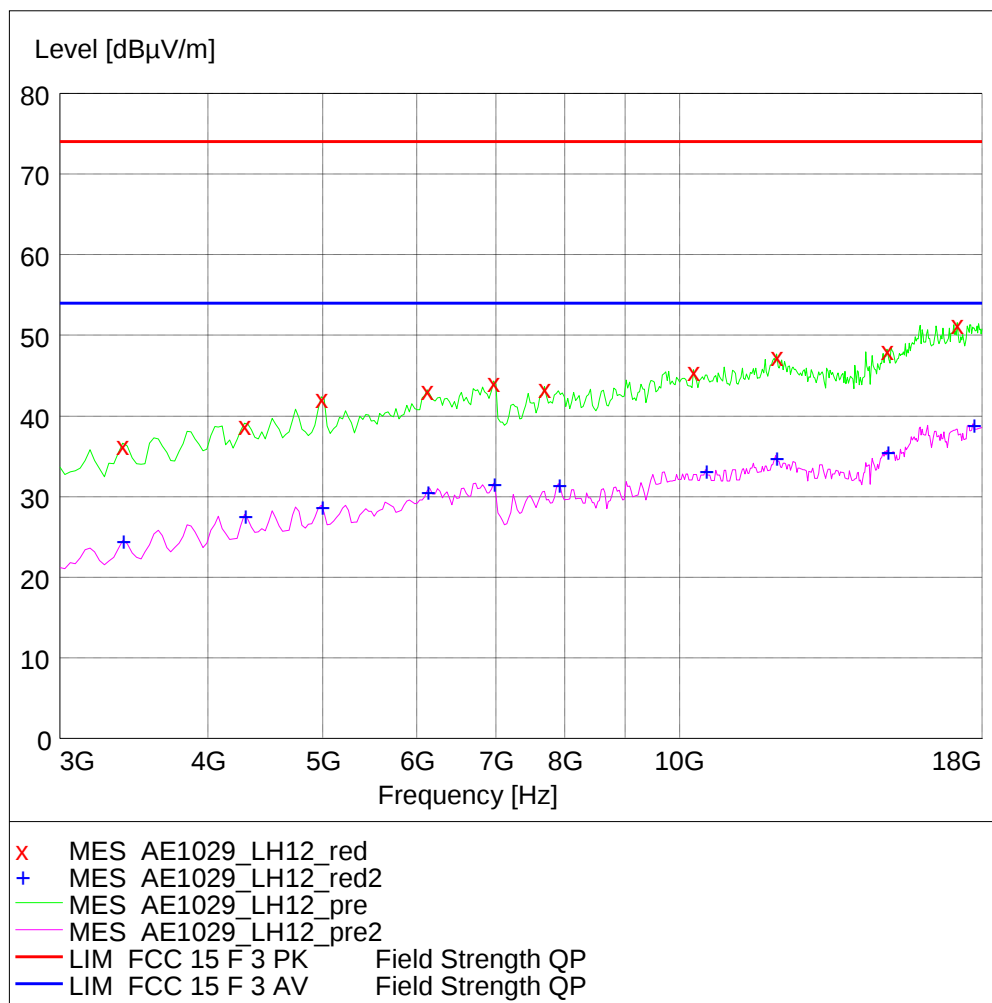


Vertical

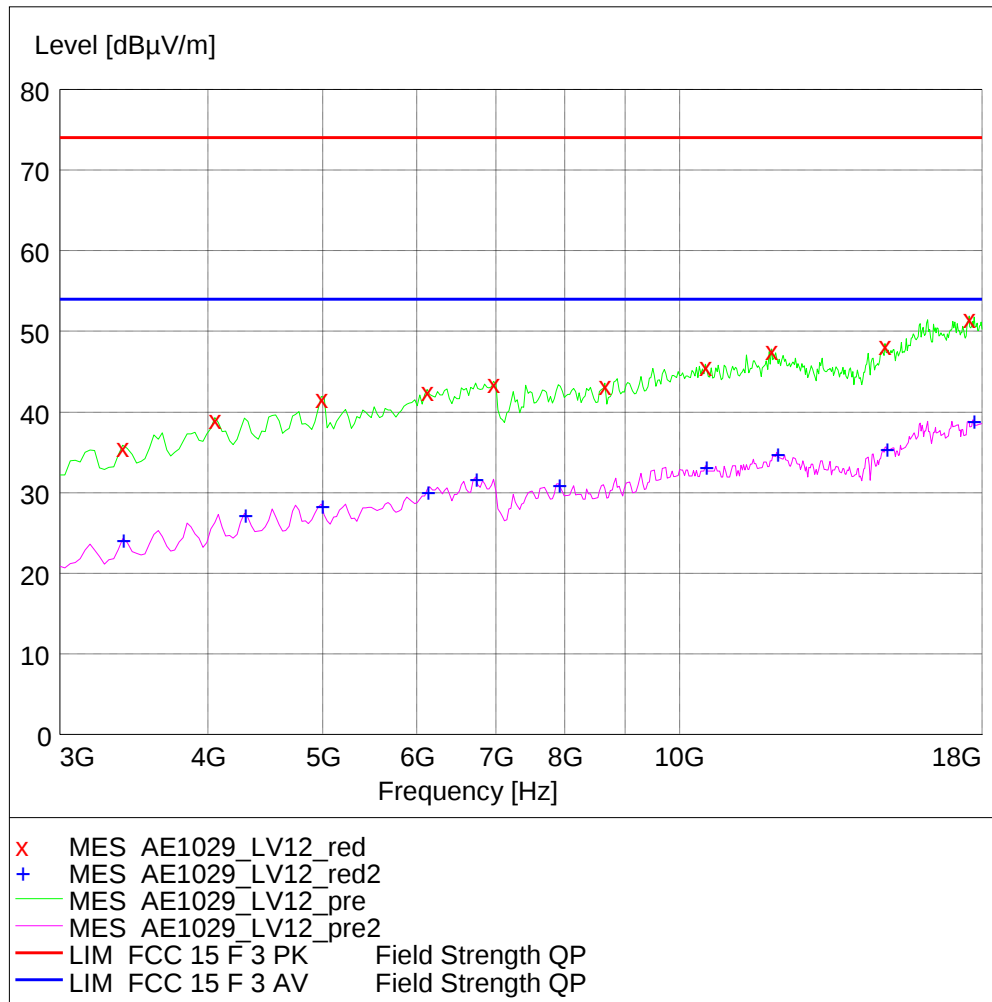


3-18GHz

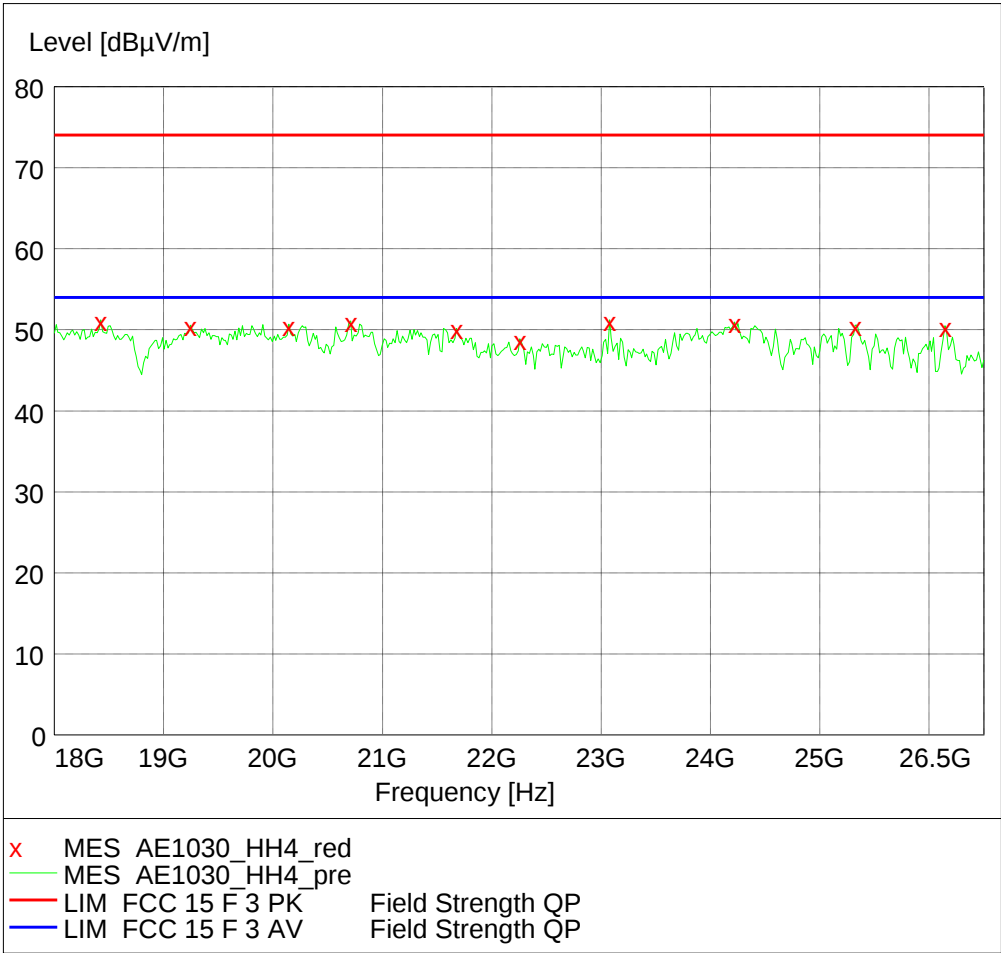
Horizontal



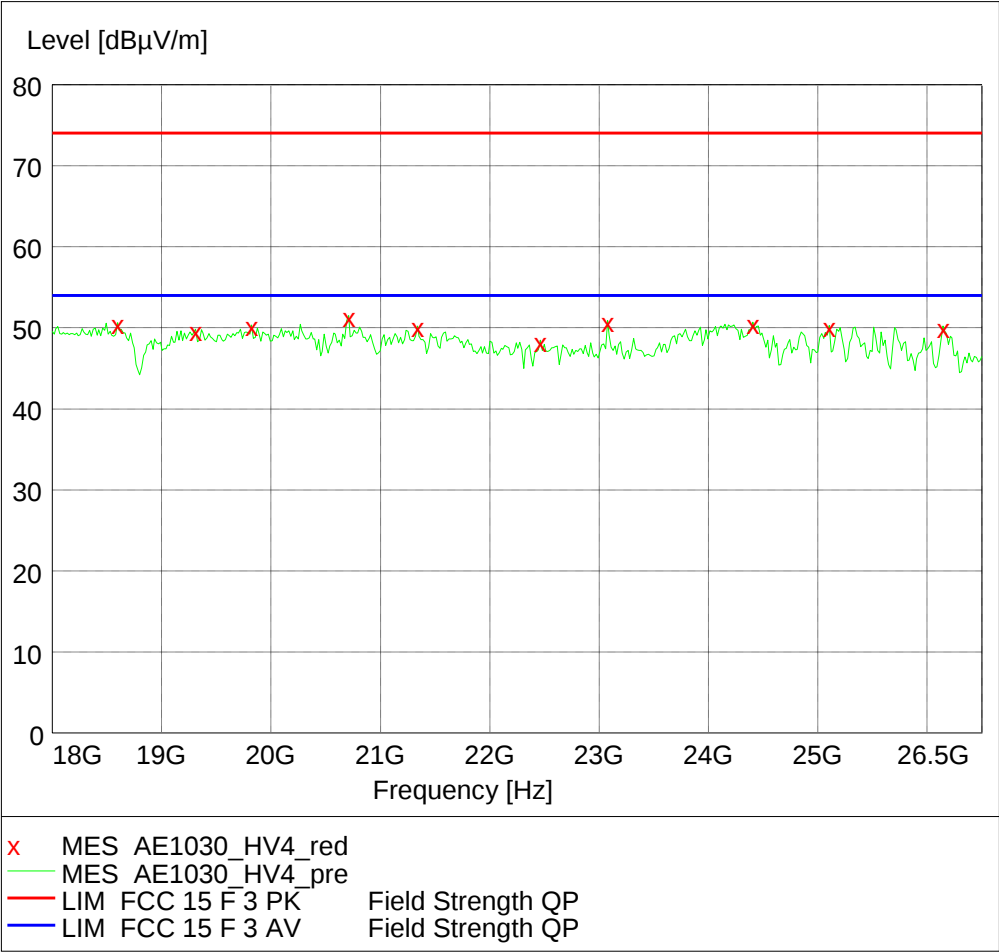
Vertical



18-26.5GHz  
Horizontal

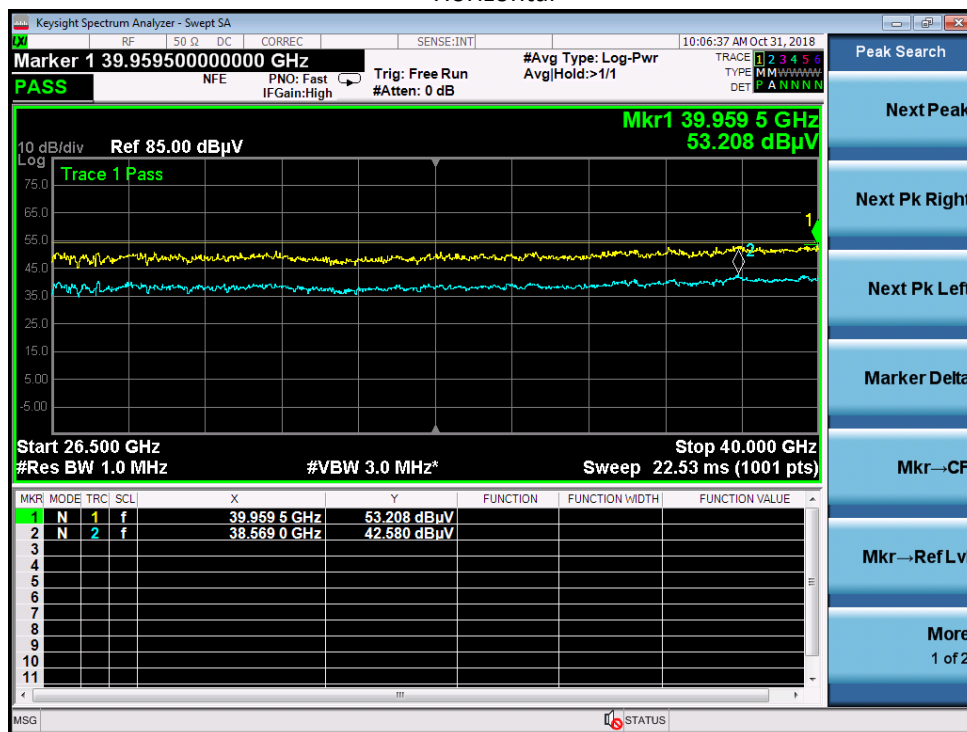


Vertical

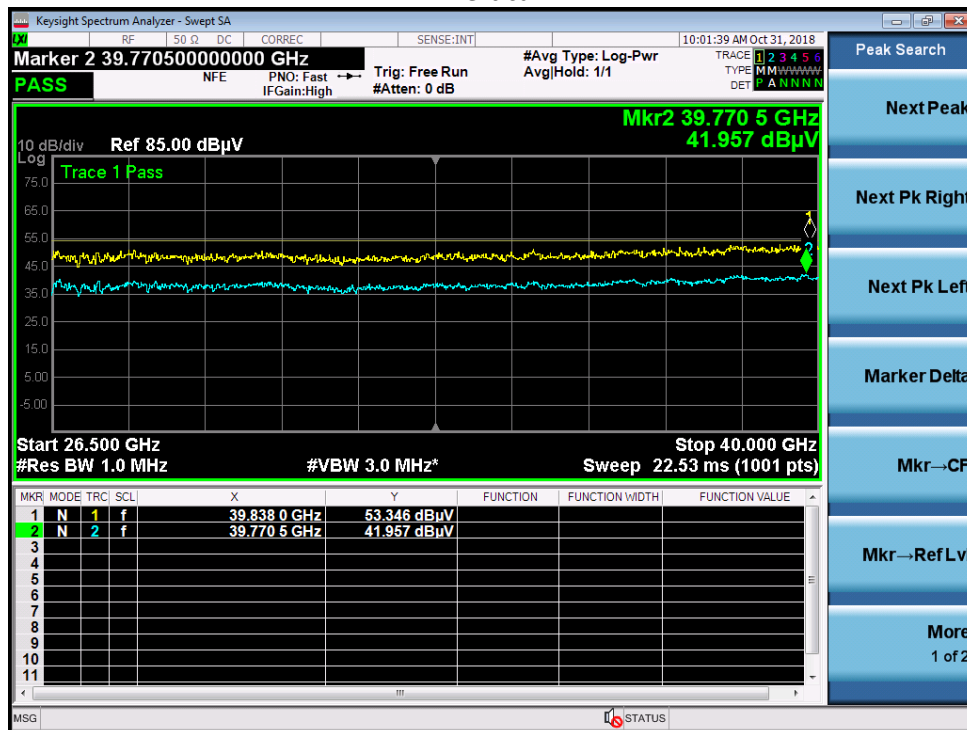


## 26.5-40GHz

### Horizontal



### Vertical



Channel Position M – QPSK

No emissions were detected within 20dB of the limit.

Channel Position T – QPSK

No emissions were detected within 20dB of the limit.

L-MIMO-MC 1 (2C)

Maximum Output Power 12dBm per port:

| Channel Position  | Channel Frequency |
|-------------------|-------------------|
| B <sub>RFBW</sub> | 5500MHz + 5520MHz |

Channel Position B<sub>RFBW</sub> – QPSK

No emissions were detected within 20dB of the limit.

L-MIMO-MC 2 (3C)

Maximum Output Power 12dBm per port:

| Channel Position  | Channel Frequency           |
|-------------------|-----------------------------|
| B <sub>RFBW</sub> | 5500MHz + 5520MHz + 5540MHz |

Channel Position B<sub>RFBW</sub> – QPSK

No emissions were detected within 20dB of the limit.

Configuration B1

L-MIMO-SC

Maximum Output Power 12dBm per port:

| Channel Position | Bandwidth (MHz) | Channel Frequency |
|------------------|-----------------|-------------------|
| B                | 20.0 MHz        | 5260MHz           |
| M                | 20.0 MHz        | 5300MHz           |
| T                | 20.0 MHz        | 5320MHz           |

Channel Position B – QPSK

No emissions were detected within 20dB of the limit.

Channel Position T – QPSK

No emissions were detected within 20dB of the limit.

Channel Position M – QPSK

Configuration B2

L-MIMO-SC

Maximum Output Power 12dBm per port:

| Channel Position | Bandwidth (MHz) | Channel Frequency |
|------------------|-----------------|-------------------|
| B                | 20.0 MHz        | 5500MHz           |
| M (for IC)       | 20.0 MHz        | 5580MHz           |
| M (for FCC)      | 20.0 MHz        | 5600MHz           |
| T                | 20.0 MHz        | 5700MHz           |

Channel Position B – QPSK

No emissions were detected within 20dB of the limit.

Channel Position M – QPSK

No emissions were detected within 20dB of the limit.

Channel Position T – QPSK

## 9 Conducted Emission

Test result: Pass

### 9.1 Limit

| Frequency of Emission (MHz)                      | Conducted Limit (dBuV) |            |
|--------------------------------------------------|------------------------|------------|
|                                                  | QP                     | AV         |
| 0.15-0.5                                         | 66 to 56*              | 56 to 46 * |
| 0.5-5                                            | 56                     | 46         |
| 5-30                                             | 60                     | 50         |
| * Decreases with the logarithm of the frequency. |                        |            |

### 9.2 Test Method

Measured levels of ac power-line conducted emission shall be the emission voltages from the voltage probe, where permitted, or across the 50  $\Omega$  LISN port (to which the EUT is connected), where permitted, terminated into a 50  $\Omega$  measuring instrument. All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer. For those measurements using a LISN, the 50  $\Omega$  measuring port is terminated by a measuring instrument having 50  $\Omega$  input impedance. All other ports are terminated in 50  $\Omega$  loads.

Tabletop devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

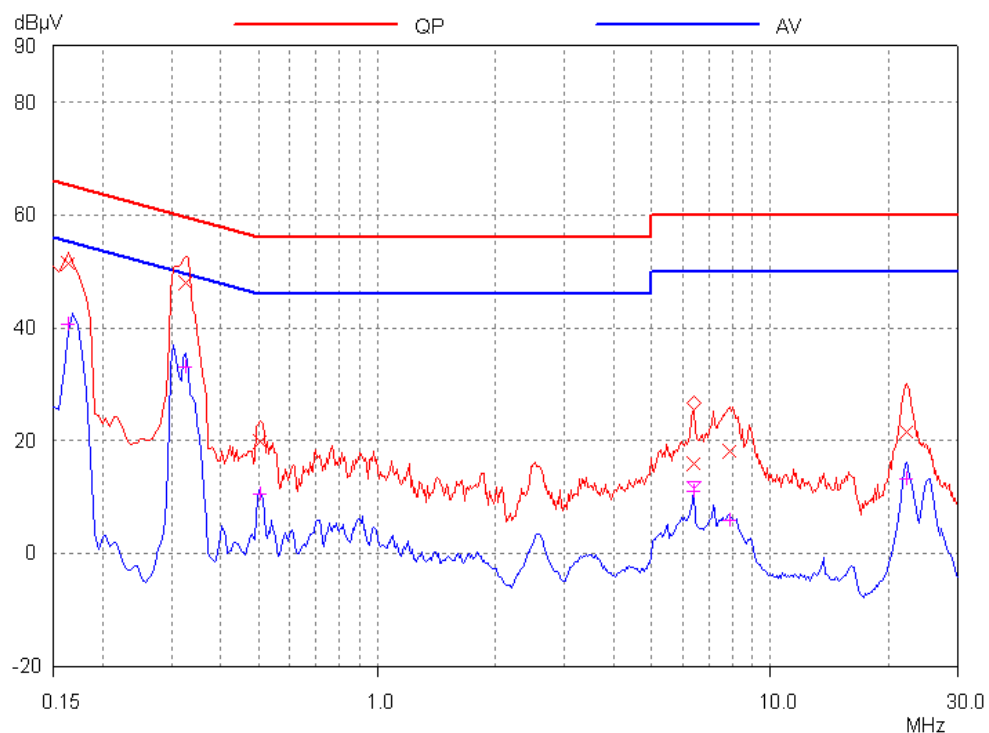
The bandwidth of the test receiver is set at 9 kHz.

### 9.3 Test Results

Note: The EUT was set to Transmitting Mode with AC power supply and the worse results and plots is shown as below

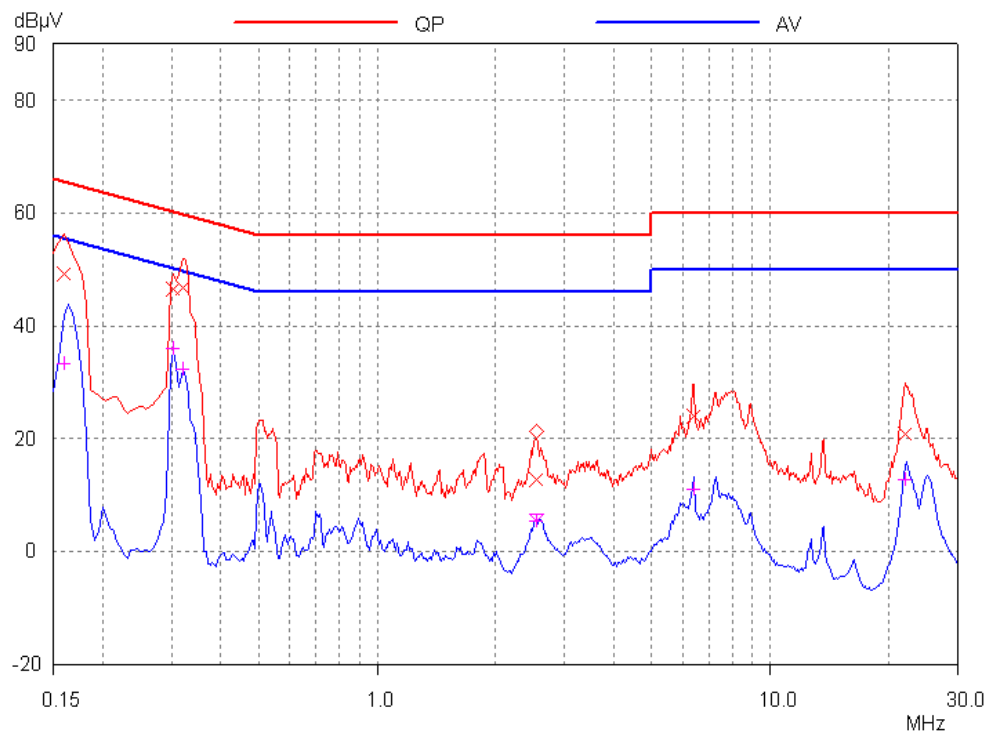
#### Test Curve:

L line:



| Frequency<br>(MHz) | Quasi-peak      |                 |              | Frequency<br>(MHz) | Average         |                 |              |
|--------------------|-----------------|-----------------|--------------|--------------------|-----------------|-----------------|--------------|
|                    | Level<br>dB(μV) | Limit<br>dB(μV) | Margin<br>dB |                    | Level<br>dB(μV) | Limit<br>dB(μV) | Margin<br>dB |
| 0.1635             | 51.33           | 65.28           | 13.95        | 0.1635             | 40.65           | 55.28           | 14.63        |
| 0.3255             | 48.03           | 59.57           | 11.54        | 0.3255             | 33.09           | 49.57           | 16.48        |
| 0.50549            | 19.73           | 56.00           | 36.27        | 0.50549            | 10.63           | 46.00           | 35.37        |
| 6.333              | 15.86           | 60.00           | 44.14        | 6.333              | 11.04           | 50.00           | 38.96        |
| 7.872              | 18.15           | 60.00           | 41.85        | 7.872              | 5.83            | 50.00           | 44.17        |
| 22.083             | 21.60           | 60.00           | 38.40        | 22.083             | 13.20           | 50.00           | 36.80        |

N line:



| Frequency<br>(MHz) | Quasi-peak      |                 |              | Frequency<br>(MHz) | Average         |                 |              |
|--------------------|-----------------|-----------------|--------------|--------------------|-----------------|-----------------|--------------|
|                    | Level<br>dB(μV) | Limit<br>dB(μV) | Margin<br>dB |                    | Level<br>dB(μV) | Limit<br>dB(μV) | Margin<br>dB |
| 0.159              | 49.14           | 65.52           | 16.38        | 0.159              | 33.28           | 55.52           | 22.24        |
| 0.303              | 46.55           | 60.16           | 13.61        | 0.303              | 35.90           | 50.16           | 14.26        |
| 0.321              | 46.84           | 59.68           | 12.84        | 0.321              | 32.40           | 49.68           | 17.28        |
| 2.535              | 12.75           | 56.00           | 43.25        | 2.535              | 5.34            | 46.00           | 40.66        |
| 6.333              | 23.88           | 60.00           | 36.12        | 6.333              | 11.06           | 50.00           | 38.94        |
| 21.9255            | 20.84           | 60.00           | 39.16        | 21.9255            | 12.76           | 50.00           | 37.24        |

## 10 Frequency Stability

Test result: Pass

### 10.1 Limit

The frequency stability shall be sufficient to ensure that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 10.2 Test Result:

#### Frequency Error - Temperature Variation

Configuration A1

L-MIMO-SC

Maximum Output Power 18dBm per port:

| Supply Voltage<br>DC (V) | Temperature<br>(°C) | Frequency Stability (Hz)        |                                 |                                 |
|--------------------------|---------------------|---------------------------------|---------------------------------|---------------------------------|
|                          |                     | Channel Position B<br>(5260MHz) | Channel Position M<br>(5300MHz) | Channel Position H<br>(5320MHz) |
| -48.0                    | -30                 | -17.97                          | -13.94                          | -18.63                          |
|                          | -20                 | -12.27                          | -17.49                          | -14.90                          |
|                          | -10                 | -10.06                          | -10.74                          | -9.92                           |
|                          | 0                   | -15.76                          | -15.57                          | -15.89                          |
|                          | 10                  | -14.36                          | -10.89                          | -12.89                          |
|                          | 20                  | -26.30                          | -26.85                          | -26.23                          |
|                          | 30                  | -20.03                          | -24.72                          | -14.83                          |
|                          | 40                  | -17.04                          | -19.77                          | -16.91                          |
|                          | 50                  | -21.94                          | -21.99                          | -24.20                          |

Configuration A2

L-MIMO-SC

Maximum Output Power 18dBm per port:

| Supply Voltage DC (V) | Temperature (°C) | Frequency Stability (Hz)     |                                     |                                      |                              |
|-----------------------|------------------|------------------------------|-------------------------------------|--------------------------------------|------------------------------|
|                       |                  | Channel Position B (5500MHz) | Channel Position M for IC (5580MHz) | Channel Position M for FCC (5600MHz) | Channel Position H (5700MHz) |
| -48.0                 | -30              | -14.67                       | -16.14                              | -14.97                               | -16.24                       |
|                       | -20              | -14.24                       | -15.52                              | -13.89                               | -17.72                       |
|                       | -10              | -12.04                       | -10.87                              | -9.39                                | -13.07                       |
|                       | 0                | -21.58                       | -14.88                              | -19.59                               | -15.14                       |
|                       | 10               | -14.01                       | -15.78                              | -13.76                               | -16.92                       |
|                       | 20               | -28.17                       | -25.37                              | -25.46                               | -27.20                       |
|                       | 30               | -14.23                       | -13.97                              | -16.82                               | -14.26                       |
|                       | 40               | -14.42                       | -14.04                              | -11.60                               | -14.31                       |
|                       | 50               | -17.97                       | -16.29                              | -17.48                               | -21.10                       |

Frequency Error - Voltage Variation

Configuration A1

L-MIMO-SC

Maximum Output Power 18dBm per port:

| Supply Voltage<br>DC (V) | Temperature<br>(°C) | Frequency Stability (Hz)        |                                 |                                 |
|--------------------------|---------------------|---------------------------------|---------------------------------|---------------------------------|
|                          |                     | Channel Position B<br>(5260MHz) | Channel Position M<br>(5300MHz) | Channel Position H<br>(5320MHz) |
| -48.0                    | 20                  | -26.30                          | -26.85                          | -26.23                          |
| -40.8                    |                     | -30.24                          | -30.48                          | -26.59                          |
| -55.2                    |                     | -27.04                          | -28.83                          | -28.02                          |

Configuration A2

L-MIMO-SC

Maximum Output Power 18dBm per port:

| Supply<br>Voltage<br>DC (V) | Temperature<br>(°C) | Frequency Stability (Hz)           |                                           |                                            |                                    |
|-----------------------------|---------------------|------------------------------------|-------------------------------------------|--------------------------------------------|------------------------------------|
|                             |                     | Channel Position<br>B<br>(5500MHz) | Channel Position<br>M for IC<br>(5580MHz) | Channel Position<br>M for FCC<br>(5600MHz) | Channel Position<br>H<br>(5700MHz) |
| -48.0                       | 20                  | -28.17                             | -25.37                                    | -25.46                                     | -27.20                             |
| -40.8                       |                     | -25.86                             | -26.14                                    | -26.71                                     | -26.81                             |
| -55.2                       |                     | -28.05                             | -24.32                                    | -23.72                                     | -24.83                             |

Frequency Error - Temperature Variation

Configuration B1

L-MIMO-SC

Maximum Output Power 12dBm per port:

| Supply Voltage<br>DC (V) | Temperature<br>(°C) | Frequency Stability (Hz)        |                                 |                                 |
|--------------------------|---------------------|---------------------------------|---------------------------------|---------------------------------|
|                          |                     | Channel Position B<br>(5260MHz) | Channel Position M<br>(5300MHz) | Channel Position H<br>(5320MHz) |
| -48.0                    | -30                 | -18.23                          | -15.83                          | -14.23                          |
|                          | -20                 | -14.66                          | -12.99                          | -16.74                          |
|                          | -10                 | -12.64                          | -10.23                          | -10.76                          |
|                          | 0                   | -15.49                          | -13.74                          | -16.16                          |
|                          | 10                  | -13.17                          | -12.29                          | -12.56                          |
|                          | 20                  | -27.20                          | -27.53                          | -27.95                          |
|                          | 30                  | -14.26                          | -14.32                          | -13.84                          |
|                          | 40                  | -16.57                          | -16.22                          | -20.17                          |
|                          | 50                  | -20.84                          | -21.44                          | -19.89                          |

Configuration B2

L-MIMO-SC

Maximum Output Power 12dBm per port:

| Supply Voltage DC (V) | Temperature (°C) | Frequency Stability (Hz)     |                                     |                                      |                              |
|-----------------------|------------------|------------------------------|-------------------------------------|--------------------------------------|------------------------------|
|                       |                  | Channel Position B (5500MHz) | Channel Position M for IC (5580MHz) | Channel Position M for FCC (5600MHz) | Channel Position H (5700MHz) |
| -48.0                 | -30              | -19.76                       | -16.67                              | -15.74                               | -18.52                       |
|                       | -20              | -15.39                       | -13.76                              | -15.15                               | -15.14                       |
|                       | -10              | -12.38                       | -10.32                              | -10.59                               | -10.17                       |
|                       | 0                | -15.96                       | -14.44                              | -13.48                               | -13.79                       |
|                       | 10               | -14.14                       | -16.21                              | -18.07                               | -15.39                       |
|                       | 20               | -25.12                       | -27.69                              | -26.51                               | -27.33                       |
|                       | 30               | -14.84                       | -14.32                              | -14.09                               | -13.83                       |
|                       | 40               | -16.02                       | -15.89                              | -12.35                               | -15.26                       |
|                       | 50               | -15.91                       | -15.70                              | -18.34                               | -20.52                       |

Frequency Error - Voltage Variation

Configuration B1

L-MIMO-SC

Maximum Output Power 12dBm per port:

| Supply Voltage<br>DC (V) | Temperature<br>(°C) | Frequency Stability (Hz)        |                                 |                                 |
|--------------------------|---------------------|---------------------------------|---------------------------------|---------------------------------|
|                          |                     | Channel Position B<br>(5260MHz) | Channel Position M<br>(5300MHz) | Channel Position H<br>(5320MHz) |
| -40.8                    | 20                  | -27.20                          | -27.53                          | -27.95                          |
| -48.0                    |                     | -26.54                          | -31.50                          | -28.02                          |
| -55.2                    |                     | -24.56                          | -30.90                          | -26.67                          |

Configuration B2

L-MIMO-SC

Maximum Output Power 12dBm per port:

| Supply<br>Voltage<br>DC (V) | Temperature<br>(°C) | Frequency Stability (Hz)           |                                           |                                            |                                    |
|-----------------------------|---------------------|------------------------------------|-------------------------------------------|--------------------------------------------|------------------------------------|
|                             |                     | Channel Position<br>B<br>(5500MHz) | Channel Position<br>M for IC<br>(5580MHz) | Channel Position<br>M for FCC<br>(5600MHz) | Channel Position<br>H<br>(5700MHz) |
| -40.8                       | 20                  | -25.12                             | -27.69                                    | -26.51                                     | -27.33                             |
| -48.0                       |                     | -27.62                             | -26.80                                    | -28.01                                     | -24.43                             |
| -55.2                       |                     | -26.62                             | -28.69                                    | -26.50                                     | -26.48                             |

\*\*\*\*\* END \*\*\*\*\*