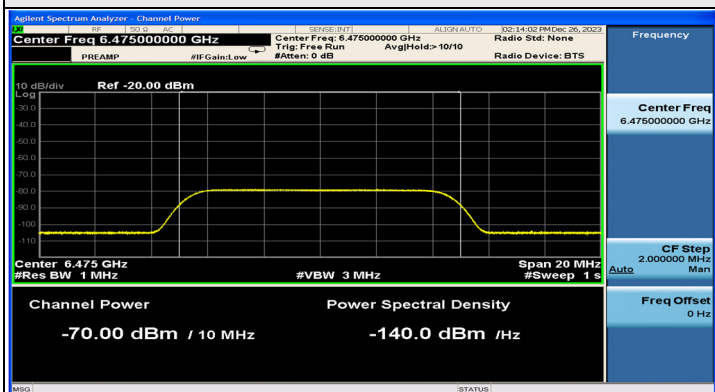
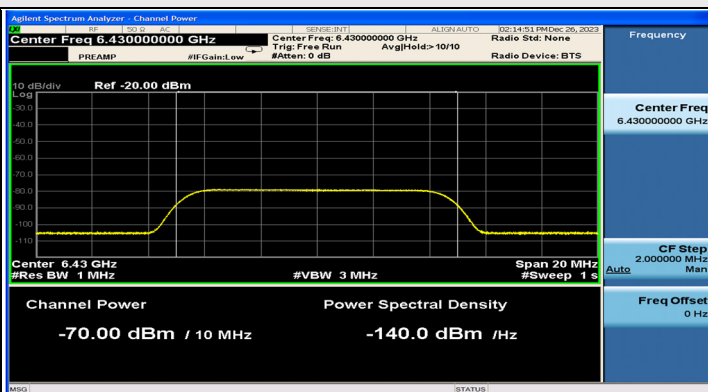


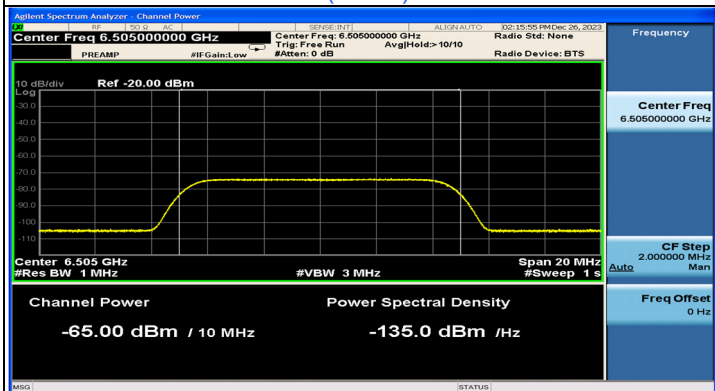
Plots of Injected signal (AWGN) level



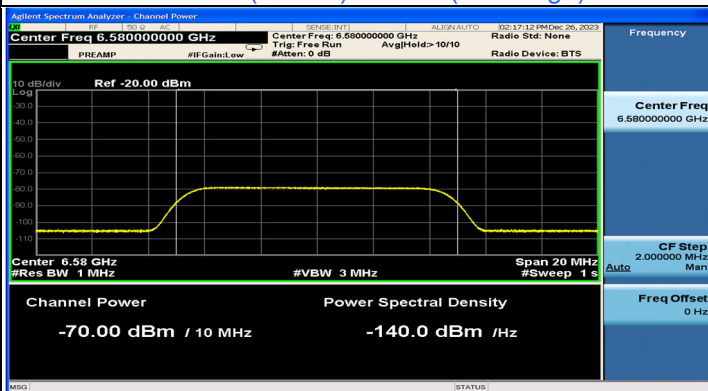
802.11ax (HE20) / CH105



802.11ax (HE160) / CH111(Low Edge)

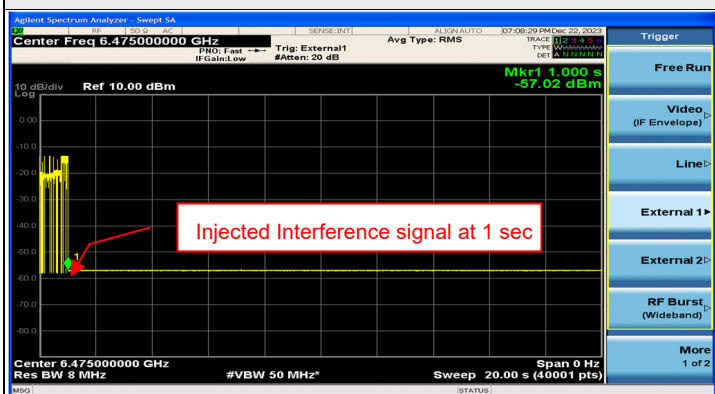


802.11ax (HE160) / CH111(Middle)

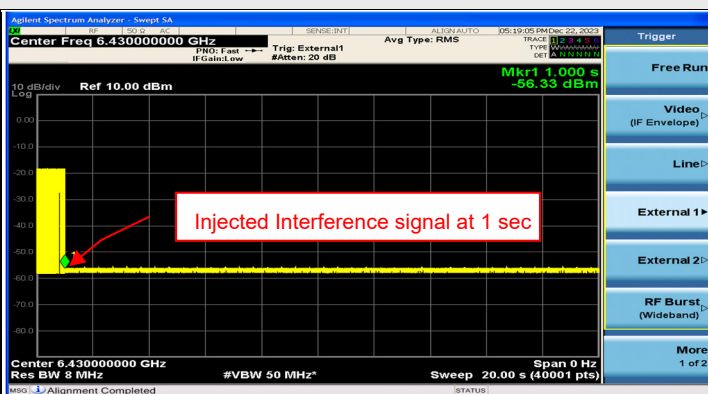


802.11ax (HE160) / CH111(High Edge)

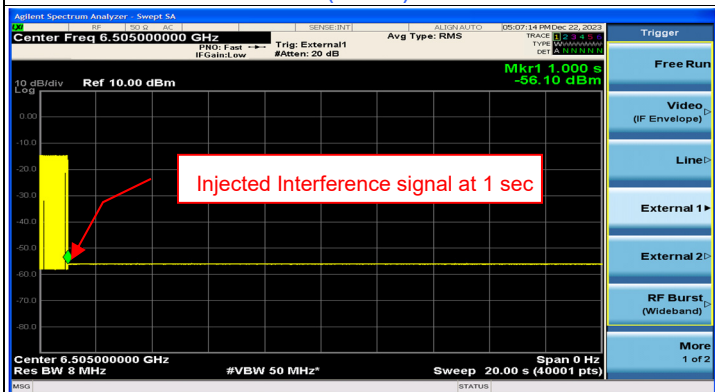
Plots of EUT ceased transmission in the time domain



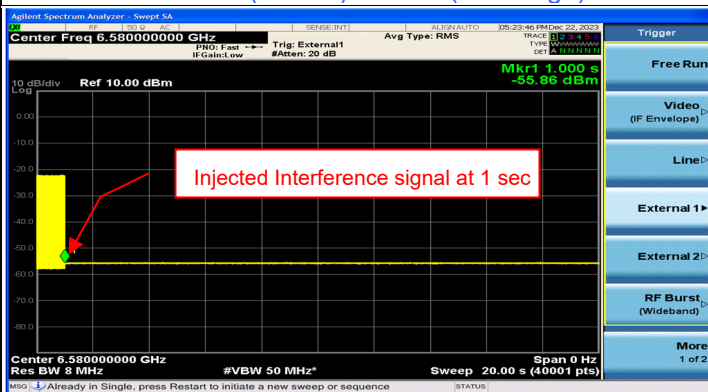
802.11ax (HE20) / CH105



802.11ax (HE160) / CH111(Low Edge)



802.11ax (HE160) / CH111(Middle)



802.11ax (HE160) / CH111(High Edge)

| Contention Based Protocol Measurement | | | | | | | | | | |
|---------------------------------------|-------------------------|----------------|---------------------|------------------------|-------------|--------------------|-------------------------|----------------------|-----------------|---------------|
| Operation Mode | Channel Bandwidth (MHz) | Channel Number | Channel Freq. (MHz) | Injected Signal (AWGN) | | Antenna Gain (dBi) | Path Loss (dB) (Note 3) | Adjusted Power (dBm) | Detection Limit | EUT TX Status |
| | | | | Freq. (MHz) | Power (dBm) | | | | | |
| 802.11ax | 20 | 149 | 6695 | 6695 | -70 | 0.2 | 0 | -70.2 | -62 | OFF |
| | | | | | -74 | 0.2 | 0 | -74.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |
| | | | | | -70 | 0.2 | 0 | -70.2 | -62 | OFF |
| | | | | | -73 | 0.2 | 0 | -73.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |
| | 160 | 143 | 6665 | 6665 | -66 | 0.2 | 0 | -66.2 | -62 | OFF |
| | | | | | -69 | 0.2 | 0 | -69.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |
| | | | | | -70 | 0.2 | 0 | -70.2 | -62 | OFF |
| | | | | | -74 | 0.2 | 0 | -74.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |

Notes:

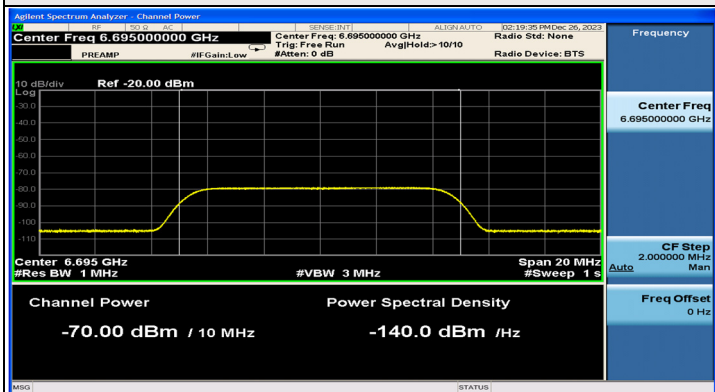
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

| Contention Based Protocol Detection Probability | | | | | | | | | | | | | | | |
|---|-------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----------------|-------------|
| Operation Mode | Channel Bandwidth (MHz) | AWGN Signal Freq. (MHz) | #01 | #02 | #03 | #04 | #05 | #06 | #07 | #08 | #09 | #10 | Detection Probability | Detection Limit | Test Result |
| | | | | | | | | | | | | | | | |
| 802.11ax | 20 | 6695 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |
| | 160 | 6590 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |
| | | 6665 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |
| | | 6740 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |

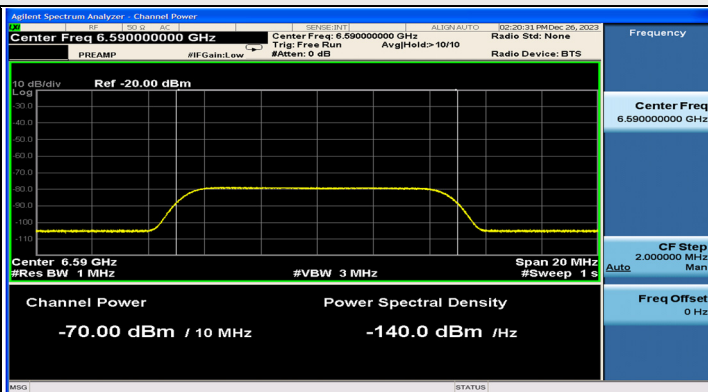
Plots of EUT Tx waveform



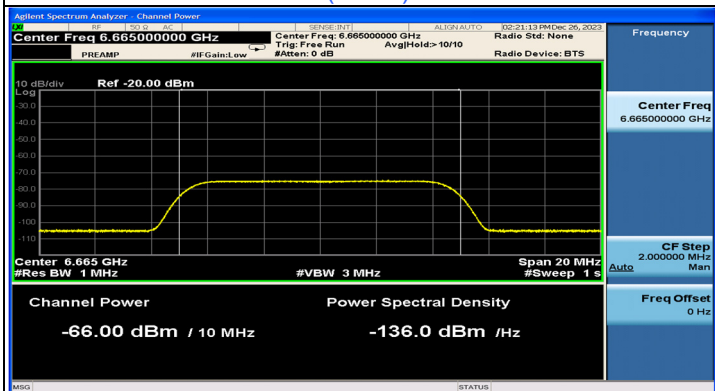
Plots of Injected signal (AWGN) level



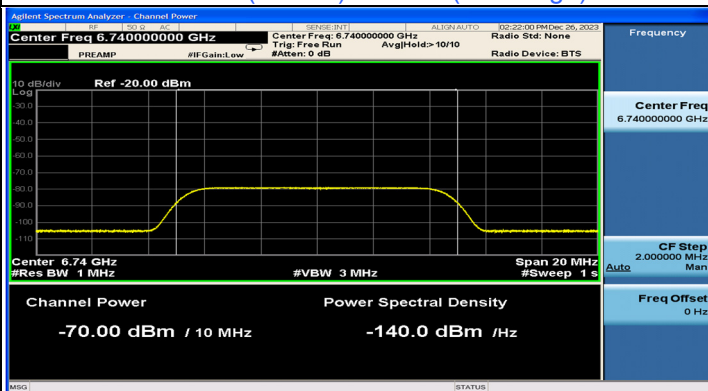
802.11ax (HE20) / CH149



802.11ax (HE160) / CH143(Low Edge)

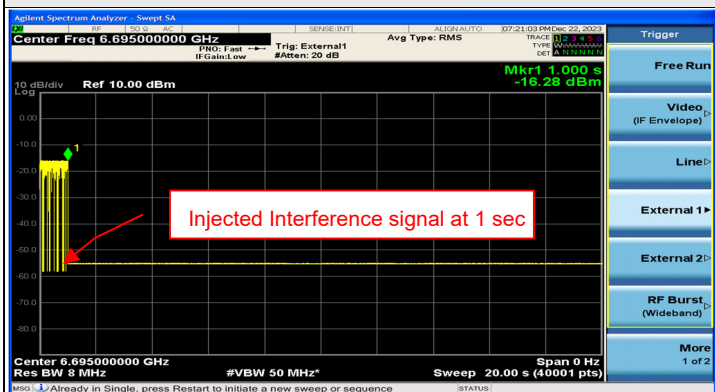


802.11ax (HE160) / CH143(Middle)

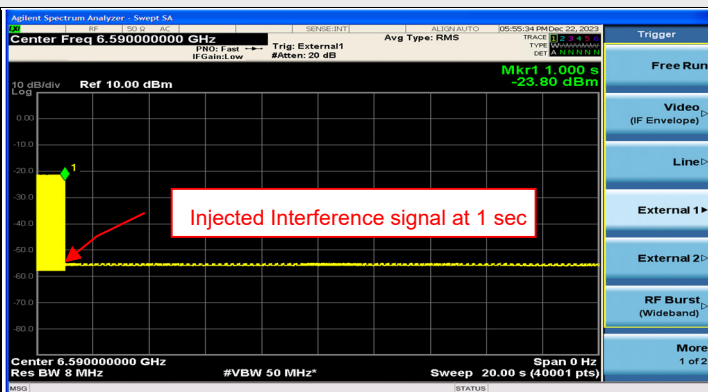


802.11ax (HE160) / CH143(High Edge)

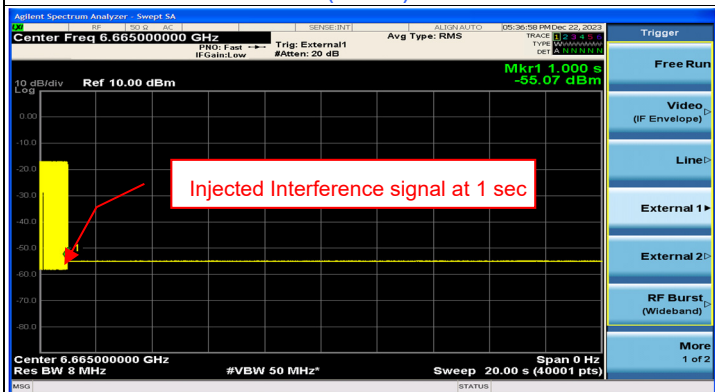
Plots of EUT ceased transmission in the time domain



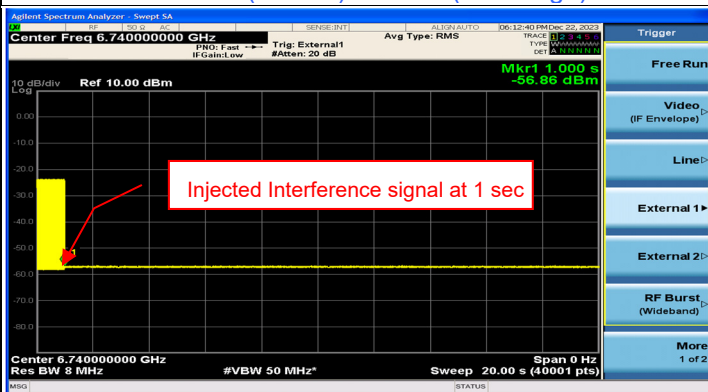
802.11ax (HE20) / CH149



802.11ax (HE160) / CH143(Low Edge)



802.11ax (HE160) / CH143(Middle)



802.11ax (HE160) / CH143(High Edge)



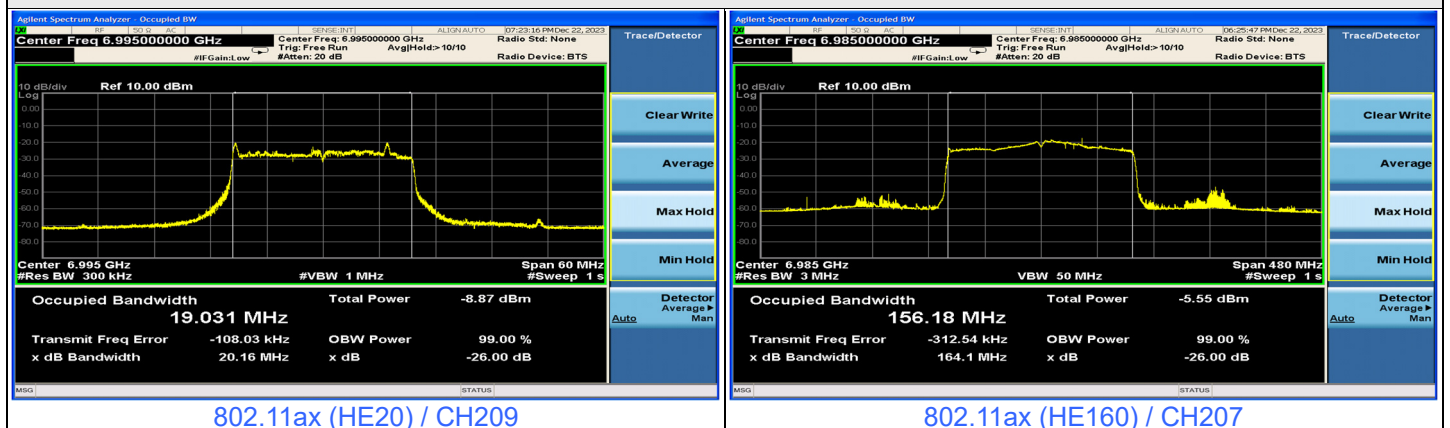
| Contention Based Protocol Measurement | | | | | | | | | | |
|---------------------------------------|-------------------------|----------------|---------------------|------------------------|-------------|--------------------|-------------------------|----------------------|-----------------|---------------|
| Operation Mode | Channel Bandwidth (MHz) | Channel Number | Channel Freq. (MHz) | Injected Signal (AWGN) | | Antenna Gain (dBi) | Path Loss (dB) (Note 3) | Adjusted Power (dBm) | Detection Limit | EUT TX Status |
| | | | | Freq. (MHz) | Power (dBm) | | | | | |
| 802.11ax | 20 | 209 | 6995 | 6995 | -71 | 0.2 | 0 | -71.2 | -62 | OFF |
| | | | | | -74 | 0.2 | 0 | -74.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |
| | 160 | 207 | 6985 | 6910 | -70 | 0.2 | 0 | -70.2 | -62 | OFF |
| | | | | | -73 | 0.2 | 0 | -73.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |
| | | | | 6985 | -65 | 0.2 | 0 | -65.2 | -62 | OFF |
| | | | | | -68 | 0.2 | 0 | -68.2 | -62 | Minimal |
| | | | | | -81.8 | 0.2 | 0 | -82 | -62 | ON |
| | 7060 | -69 | 0.2 | 0 | -69.2 | -62 | OFF | | | |
| | | -73 | 0.2 | 0 | -73.2 | -62 | Minimal | | | |
| | | -81.8 | 0.2 | 0 | -82 | -62 | ON | | | |

Notes:

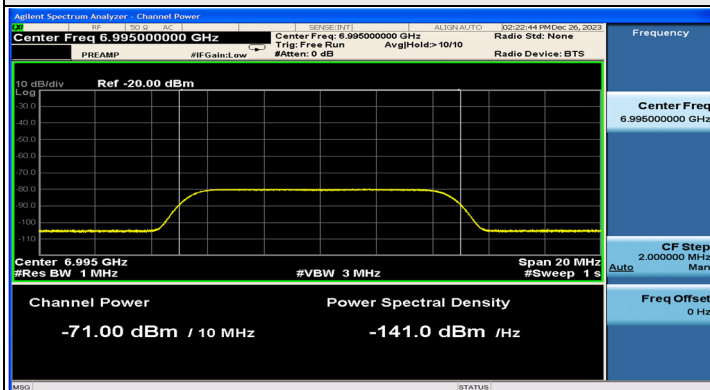
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 0) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

| Contention Based Protocol Detection Probability | | | | | | | | | | | | | | | |
|---|-------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----------------|-------------|
| Operation Mode | Channel Bandwidth (MHz) | AWGN Signal Freq. (MHz) | #01 | #02 | #03 | #04 | #05 | #06 | #07 | #08 | #09 | #10 | Detection Probability | Detection Limit | Test Result |
| | | | | | | | | | | | | | | | |
| 802.11ax | 20 | 6995 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |
| | 160 | 6910 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |
| | | 6985 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |
| | | 7060 | v | v | v | v | v | v | v | v | v | v | 100% | 90% | Pass |

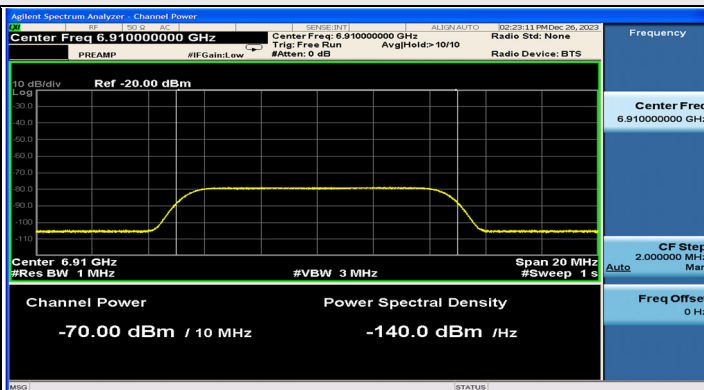
Plots of EUT Tx waveform



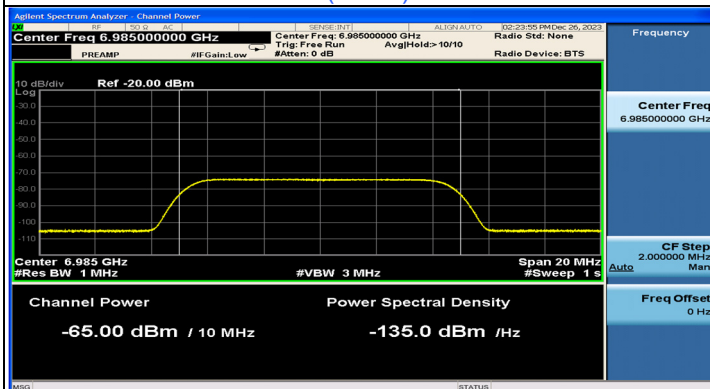
Plots of Injected signal (AWGN) level



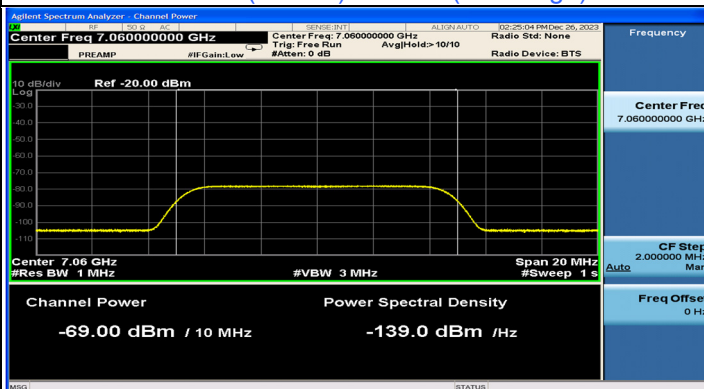
802.11ax (HE20) / CH209



802.11ax (HE160) / CH207(Low Edge)

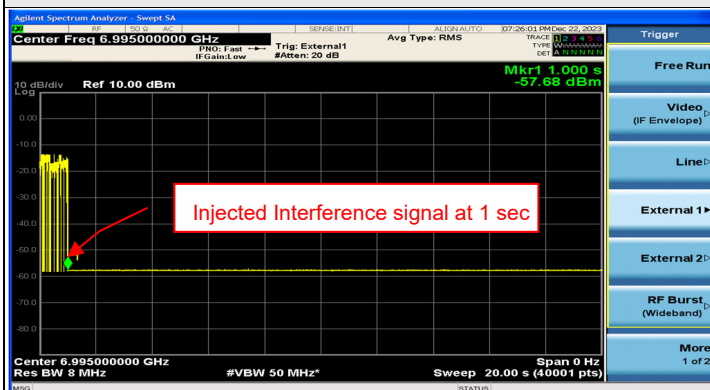


802.11ax (HE160) / CH207(Middle)

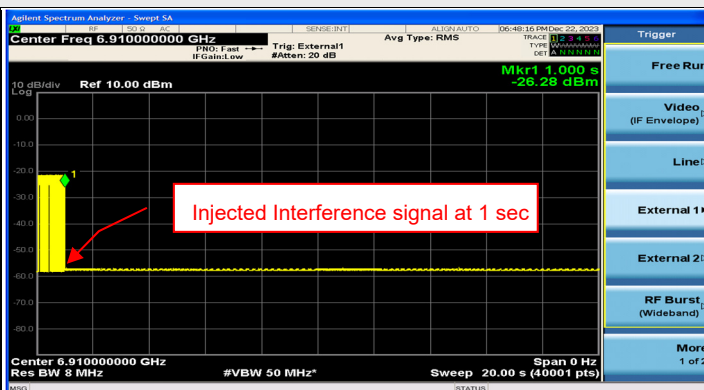


802.11ax (HE160) / CH207(High Edge)

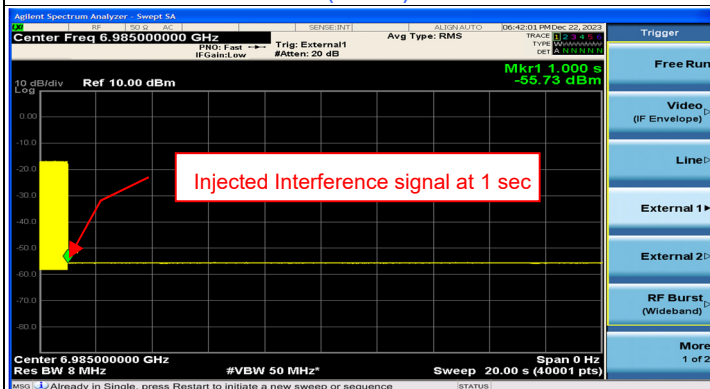
Plots of EUT ceased transmission in the time domain



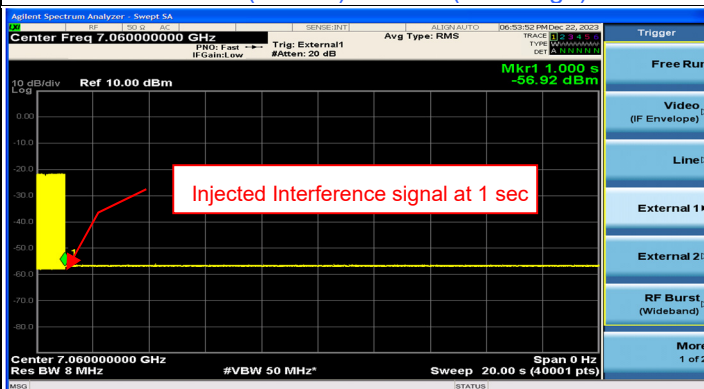
802.11ax (HE20) / CH209



802.11ax (HE160) / CH207(Low Edge)



802.11ax (HE160) / CH207(Middle)



802.11ax (HE160) / CH207(High Edge)

7.8 AC Power Conducted Emissions

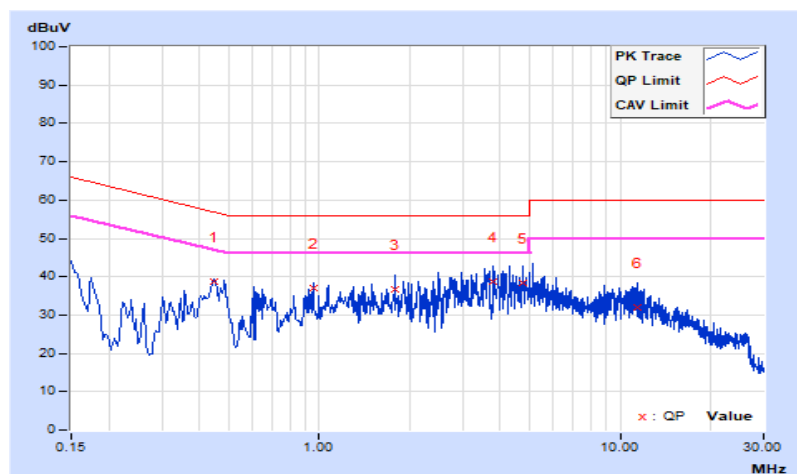
Test Mode A

| | | | |
|-----------------|------------------|--|---------------------------------------|
| RF Mode | 802.11a | Channel | CH 45 : 6175 MHz |
| Frequency Range | 150 kHz ~ 30 MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 23°C, 62% RH |
| Tested By | Vincent Chen | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) | | Emission Level (dBuV) | | Limit (dBuV) | | Margin (dB) | |
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.44999 | 10.42 | 28.31 | 21.11 | 38.73 | 31.53 | 56.88 | 46.88 | -18.15 | -15.35 |
| 2 | 0.95400 | 10.43 | 26.68 | 17.30 | 37.11 | 27.73 | 56.00 | 46.00 | -18.89 | -18.27 |
| 3 | 1.78600 | 10.42 | 26.15 | 15.03 | 36.57 | 25.45 | 56.00 | 46.00 | -19.43 | -20.55 |
| 4 | 3.80200 | 10.51 | 28.20 | 16.59 | 38.71 | 27.10 | 56.00 | 46.00 | -17.29 | -18.90 |
| 5 | 4.78200 | 10.53 | 27.92 | 14.89 | 38.45 | 25.42 | 56.00 | 46.00 | -17.55 | -20.58 |
| 6 | 11.36200 | 10.59 | 21.34 | 9.77 | 31.93 | 20.36 | 60.00 | 50.00 | -28.07 | -29.64 |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

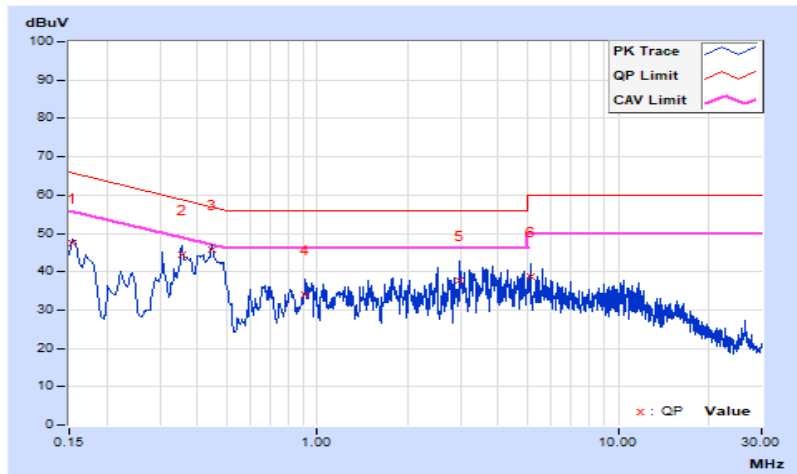


| | | | |
|-----------------|------------------|--|---------------------------------------|
| RF Mode | 802.11a | Channel | CH 45 : 6175 MHz |
| Frequency Range | 150 kHz ~ 30 MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 23°C, 62% RH |
| Tested By | Vincent Chen | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|------------------------------|-----------------|------------------------|----------------------|--------------|-----------------------|--------------|--------------|--------------|---------------|--------------|
| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) | | Emission Level (dBuV) | | Limit (dBuV) | | Margin (dB) | |
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.15400 | 10.33 | 37.15 | 32.82 | 47.48 | 43.15 | 65.78 | 55.78 | -18.30 | -12.63 |
| 2 | 0.35407 | 10.42 | 34.00 | 26.94 | 44.42 | 37.36 | 58.87 | 48.87 | -14.45 | -11.51 |
| 3 | 0.44999 | 10.44 | 35.31 | 27.96 | 45.75 | 38.40 | 56.88 | 46.88 | -11.13 | -8.48 |
| 4 | 0.91000 | 10.45 | 23.67 | 11.96 | 34.12 | 22.41 | 56.00 | 46.00 | -21.88 | -23.59 |
| 5 | 2.98200 | 10.49 | 27.21 | 17.07 | 37.70 | 27.56 | 56.00 | 46.00 | -18.30 | -18.44 |
| 6 | 5.10600 | 10.57 | 27.99 | 15.64 | 38.56 | 26.21 | 60.00 | 50.00 | -21.44 | -23.79 |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



Test Mode B

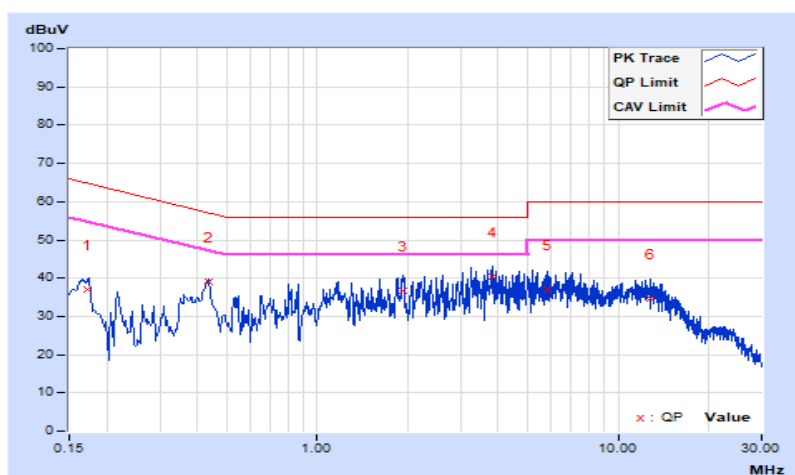
| | | | |
|------------------------|------------------|---|---------------------------------------|
| RF Mode | 802.11ax (HE160) | Channel | CH 15 : 6025 MHz |
| Frequency Range | 150 kHz ~ 30 MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 22°C, 64% RH |
| Tested By | Vincent Chen | | |

Phase Of Power : Line (L)

| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) | | Emission Level (dBuV) | | Limit (dBuV) | | Margin (dB) | |
|----|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.17338 | 10.33 | 26.64 | 18.81 | 36.97 | 29.14 | 64.80 | 54.80 | -27.83 | -25.66 |
| 2 | 0.43714 | 10.42 | 28.65 | 22.05 | 39.07 | 32.47 | 57.12 | 47.12 | -18.05 | -14.65 |
| 3 | 1.93000 | 10.42 | 26.36 | 15.04 | 36.78 | 25.46 | 56.00 | 46.00 | -19.22 | -20.54 |
| 4 | 3.80600 | 10.51 | 29.96 | 18.26 | 40.47 | 28.77 | 56.00 | 46.00 | -15.53 | -17.23 |
| 5 | 5.85800 | 10.54 | 26.53 | 17.16 | 37.07 | 27.70 | 60.00 | 50.00 | -22.93 | -22.30 |
| 6 | 12.81400 | 10.62 | 24.18 | 12.80 | 34.80 | 23.42 | 60.00 | 50.00 | -25.20 | -26.58 |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

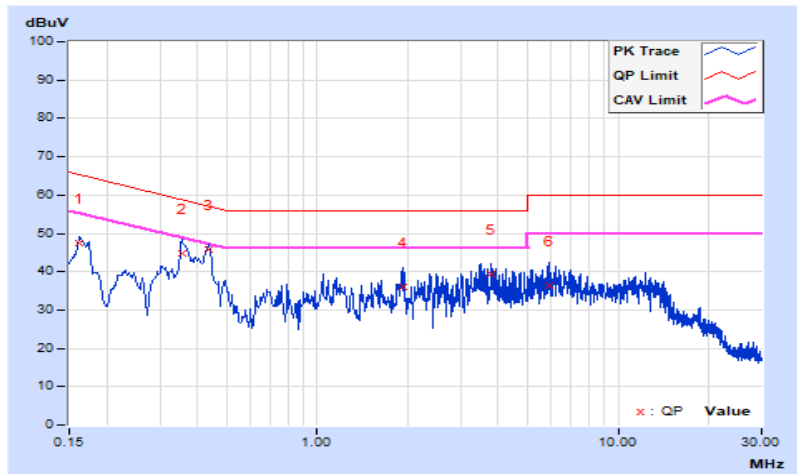


| | | | |
|-----------------|------------------|--|---------------------------------------|
| RF Mode | 802.11ax (HE160) | Channel | CH 15 : 6025 MHz |
| Frequency Range | 150 kHz ~ 30 MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 22°C, 64% RH |
| Tested By | Vincent Chen | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|------------------------------|-----------------|------------------------|----------------------|--------------|-----------------------|--------------|--------------|--------------|---------------|--------------|
| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) | | Emission Level (dBuV) | | Limit (dBuV) | | Margin (dB) | |
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.16200 | 10.34 | 36.97 | 31.09 | 47.31 | 41.43 | 65.36 | 55.36 | -18.05 | -13.93 |
| 2 | 0.35400 | 10.42 | 34.38 | 27.15 | 44.80 | 37.57 | 58.87 | 48.87 | -14.07 | -11.30 |
| 3 | 0.43484 | 10.44 | 35.38 | 29.51 | 45.82 | 39.95 | 57.16 | 47.16 | -11.34 | -7.21 |
| 4 | 1.93000 | 10.44 | 25.43 | 15.67 | 35.87 | 26.11 | 56.00 | 46.00 | -20.13 | -19.89 |
| 5 | 3.79800 | 10.54 | 28.93 | 18.13 | 39.47 | 28.67 | 56.00 | 46.00 | -16.53 | -17.33 |
| 6 | 5.87400 | 10.58 | 25.86 | 17.72 | 36.44 | 28.30 | 60.00 | 50.00 | -23.56 | -21.70 |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



7.9 Unwanted Emissions below 1 GHz

Test Mode A

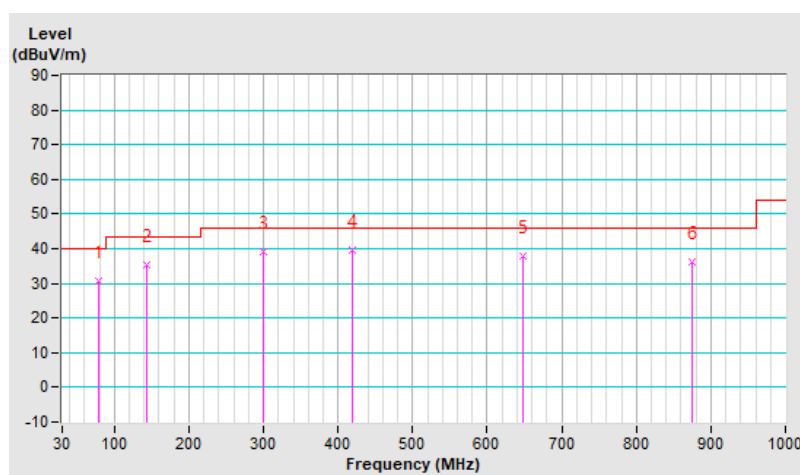
| | | | |
|-----------------|----------------|-------------------------------|-------------------------------|
| RF Mode | 802.11a | Channel | CH 45 : 6175 MHz |
| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | 78.42 | 30.7 QP | 40.0 | -9.3 | 1.50 H | 16 | 47.7 | -17.0 |
| 2 | 144.28 | 35.4 QP | 43.5 | -8.1 | 1.50 H | 274 | 48.3 | -12.9 |
| 3 | 299.51 | 39.1 QP | 46.0 | -6.9 | 1.50 H | 208 | 51.2 | -12.1 |
| 4 | 420.03 | 39.7 QP | 46.0 | -6.3 | 2.00 H | 254 | 48.8 | -9.1 |
| 5 | 647.82 | 38.0 QP | 46.0 | -8.0 | 1.00 H | 178 | 42.1 | -4.1 |
| 6 | 875.42 | 36.2 QP | 46.0 | -9.8 | 1.00 H | 169 | 37.0 | -0.8 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

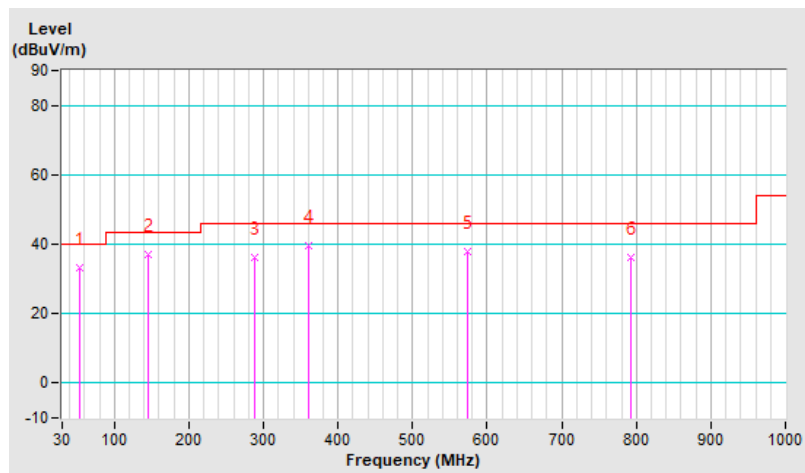


| | | | |
|------------------------|----------------|--|-------------------------------|
| RF Mode | 802.11a | Channel | CH 45 : 6175 MHz |
| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 53.32 | 33.4 QP | 40.0 | -6.6 | 1.50 V | 234 | 45.9 | -12.5 |
| 2 | 144.58 | 36.9 QP | 43.5 | -6.6 | 1.50 V | 57 | 49.7 | -12.8 |
| 3 | 288.19 | 36.2 QP | 46.0 | -9.8 | 2.00 V | 241 | 48.5 | -12.3 |
| 4 | 359.72 | 39.6 QP | 46.0 | -6.4 | 2.00 V | 241 | 50.4 | -10.8 |
| 5 | 574.23 | 38.0 QP | 46.0 | -8.0 | 1.50 V | 225 | 43.7 | -5.7 |
| 6 | 792.34 | 36.3 QP | 46.0 | -9.7 | 1.00 V | 214 | 37.3 | -1.0 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Test Mode B

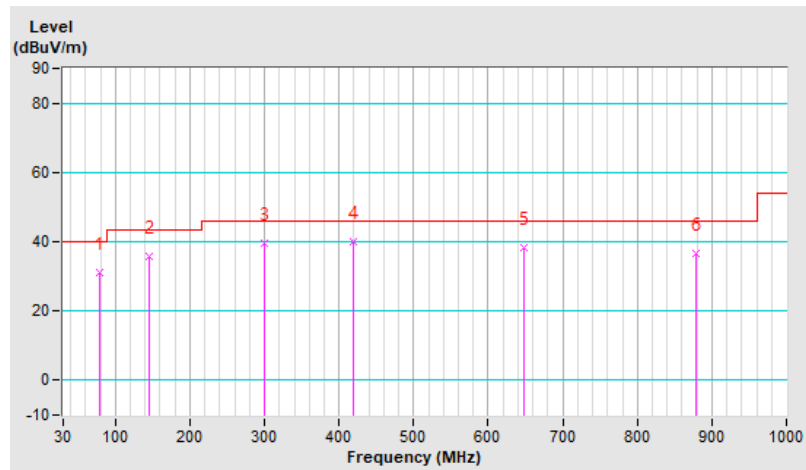
| | | | |
|------------------------|------------------|--|-------------------------------|
| RF Mode | 802.11ax (HE160) | Channel | CH 15 : 6025 MHz |
| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | 78.50 | 30.9 QP | 40.0 | -9.1 | 2.00 H | 2 | 47.9 | -17.0 |
| 2 | 144.46 | 35.8 QP | 43.5 | -7.7 | 1.00 H | 224 | 48.6 | -12.8 |
| 3 | 299.66 | 39.4 QP | 46.0 | -6.6 | 1.00 H | 64 | 51.5 | -12.1 |
| 4 | 419.94 | 39.9 QP | 46.0 | -6.1 | 2.00 H | 333 | 49.0 | -9.1 |
| 5 | 647.89 | 38.3 QP | 46.0 | -7.7 | 1.00 H | 264 | 42.4 | -4.1 |
| 6 | 877.78 | 36.5 QP | 46.0 | -9.5 | 1.50 H | 143 | 37.4 | -0.9 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

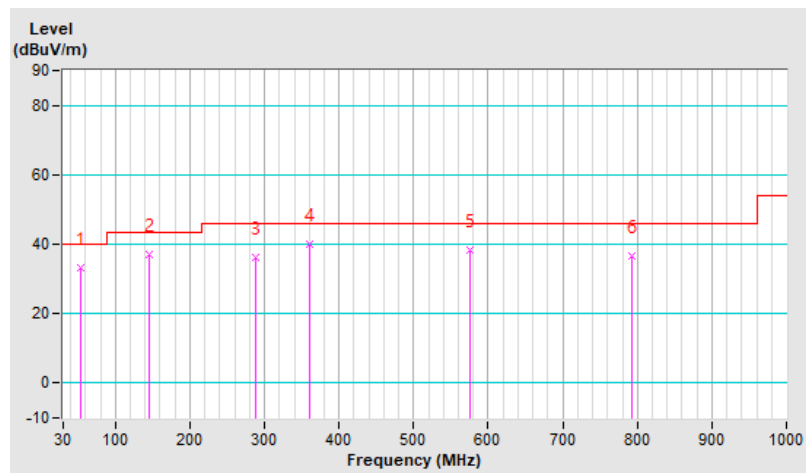


| | | | |
|------------------------|------------------|--|-------------------------------|
| RF Mode | 802.11ax (HE160) | Channel | CH 15 : 6025 MHz |
| Frequency Range | 30 MHz ~ 1 GHz | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 53.28 | 33.4 QP | 40.0 | -6.6 | 1.00 V | 17 | 45.9 | -12.5 |
| 2 | 144.46 | 36.9 QP | 43.5 | -6.6 | 1.00 V | 67 | 49.7 | -12.8 |
| 3 | 288.02 | 36.3 QP | 46.0 | -9.7 | 1.50 V | 104 | 48.6 | -12.3 |
| 4 | 359.80 | 39.8 QP | 46.0 | -6.2 | 1.00 V | 304 | 50.6 | -10.8 |
| 5 | 576.11 | 38.3 QP | 46.0 | -7.7 | 2.00 V | 178 | 43.9 | -5.6 |
| 6 | 792.42 | 36.6 QP | 46.0 | -9.4 | 2.00 V | 245 | 37.6 | -1.0 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.10 Unwanted Emissions above 1 GHz

Test Mode A

| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 2 : 5935 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | #5925.00 | 81.3 PK | 88.2 | -6.9 | 1.73 H | 206 | 76.8 | 4.5 |
| 2 | #5925.00 | 65.7 AV | 68.2 | -2.5 | 1.73 H | 206 | 61.2 | 4.5 |
| 3 | *5935.00 | 107.8 PK | | | 1.72 H | 202 | 65.7 | 42.1 |
| 4 | *5935.00 | 98.0 AV | | | 1.72 H | 202 | 55.9 | 42.1 |
| 5 | 11870.00 | 59.6 PK | 74.0 | -14.4 | 2.53 H | 123 | 49.6 | 10.0 |
| 6 | 11870.00 | 46.9 AV | 54.0 | -7.1 | 2.53 H | 123 | 36.9 | 10.0 |

Antenna Polarity & Test Distance : Vertical at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | #5925.00 | 80.3 PK | 88.2 | -7.9 | 3.51 V | 200 | 75.8 | 4.5 |
| 2 | #5925.00 | 63.3 AV | 68.2 | -4.9 | 3.51 V | 200 | 58.8 | 4.5 |
| 3 | *5935.00 | 105.5 PK | | | 3.56 V | 207 | 63.4 | 42.1 |
| 4 | *5935.00 | 95.8 AV | | | 3.56 V | 207 | 53.7 | 42.1 |
| 5 | 11870.00 | 58.5 PK | 74.0 | -15.5 | 1.62 V | 105 | 48.5 | 10.0 |
| 6 | 11870.00 | 45.3 AV | 54.0 | -8.7 | 1.62 V | 105 | 35.3 | 10.0 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 1 : 5955 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5925.00 | 68.9 PK | 88.2 | -19.3 | 1.62 H | 193 | 64.4 | 4.5 |
| 2 | #5925.00 | 53.0 AV | 68.2 | -15.2 | 1.62 H | 193 | 48.5 | 4.5 |
| 3 | *5955.00 | 113.2 PK | | | 1.68 H | 202 | 71.0 | 42.2 |
| 4 | *5955.00 | 103.3 AV | | | 1.68 H | 202 | 61.1 | 42.2 |
| 5 | 11910.00 | 59.3 PK | 74.0 | -14.7 | 2.47 H | 112 | 49.4 | 9.9 |
| 6 | 11910.00 | 47.0 AV | 54.0 | -7.0 | 2.47 H | 112 | 37.1 | 9.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5925.00 | 66.6 PK | 88.2 | -21.6 | 1.31 V | 224 | 62.1 | 4.5 |
| 2 | #5925.00 | 51.0 AV | 68.2 | -17.2 | 1.31 V | 224 | 46.5 | 4.5 |
| 3 | *5955.00 | 111.3 PK | | | 1.35 V | 221 | 69.1 | 42.2 |
| 4 | *5955.00 | 101.1 AV | | | 1.35 V | 221 | 58.9 | 42.2 |
| 5 | 11910.00 | 58.6 PK | 74.0 | -15.4 | 2.89 V | 120 | 48.7 | 9.9 |
| 6 | 11910.00 | 46.8 AV | 54.0 | -7.2 | 2.89 V | 120 | 36.9 | 9.9 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.



| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 45 : 6175 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | *6175.00 | 116.7 PK | | | 1.55 H | 181 | 72.3 | 44.4 |
| 2 | *6175.00 | 107.0 AV | | | 1.55 H | 181 | 62.6 | 44.4 |
| 3 | 12350.00 | 61.5 PK | 74.0 | -12.5 | 2.47 H | 231 | 50.9 | 10.6 |
| 4 | 12350.00 | 49.0 AV | 54.0 | -5.0 | 2.47 H | 231 | 38.4 | 10.6 |

Antenna Polarity & Test Distance : Vertical at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | *6175.00 | 112.7 PK | | | 1.00 V | 334 | 68.3 | 44.4 |
| 2 | *6175.00 | 102.7 AV | | | 1.00 V | 334 | 58.3 | 44.4 |
| 3 | 12350.00 | 60.9 PK | 74.0 | -13.1 | 2.32 V | 157 | 50.3 | 10.6 |
| 4 | 12350.00 | 48.5 AV | 54.0 | -5.5 | 2.32 V | 157 | 37.9 | 10.6 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.



| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 93 : 6415 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6415.00 | 116.3 PK | | | 1.50 H | 187 | 70.9 | 45.4 |
| 2 | *6415.00 | 106.6 AV | | | 1.50 H | 187 | 61.2 | 45.4 |
| 3 | #12830.00 | 61.1 PK | 88.2 | -27.1 | 2.29 H | 285 | 50.2 | 10.9 |
| 4 | #12830.00 | 49.0 AV | 68.2 | -19.2 | 2.29 H | 285 | 38.1 | 10.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6415.00 | 114.5 PK | | | 1.54 V | 143 | 69.1 | 45.4 |
| 2 | *6415.00 | 104.5 AV | | | 1.54 V | 143 | 59.1 | 45.4 |
| 3 | #12830.00 | 60.4 PK | 88.2 | -27.8 | 1.87 V | 209 | 49.5 | 10.9 |
| 4 | #12830.00 | 48.5 AV | 68.2 | -19.7 | 1.87 V | 209 | 37.6 | 10.9 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.



| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 117 : 6535 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6535.00 | 116.9 PK | | | 1.46 H | 168 | 71.0 | 45.9 |
| 2 | *6535.00 | 107.1 AV | | | 1.46 H | 168 | 61.2 | 45.9 |
| 3 | #13070.00 | 59.9 PK | 88.2 | -28.3 | 2.09 H | 102 | 49.3 | 10.6 |
| 4 | #13070.00 | 47.7 AV | 68.2 | -20.5 | 2.09 H | 102 | 37.1 | 10.6 |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6535.00 | 112.6 PK | | | 1.54 V | 329 | 66.7 | 45.9 |
| 2 | *6535.00 | 103.5 AV | | | 1.54 V | 329 | 57.6 | 45.9 |
| 3 | #13070.00 | 59.3 PK | 88.2 | -28.9 | 2.74 V | 113 | 48.7 | 10.6 |
| 4 | #13070.00 | 47.2 AV | 68.2 | -21.0 | 2.74 V | 113 | 36.6 | 10.6 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 149 : 6695 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6695.00 | 115.8 PK | | | 1.00 H | 179 | 69.8 | 46.0 |
| 2 | *6695.00 | 106.1 AV | | | 1.00 H | 179 | 60.1 | 46.0 |
| 3 | 13390.00 | 62.0 PK | 74.0 | -12.0 | 2.71 H | 205 | 50.6 | 11.4 |
| 4 | 13390.00 | 49.6 AV | 54.0 | -4.4 | 2.71 H | 205 | 38.2 | 11.4 |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6695.00 | 114.2 PK | | | 2.12 V | 123 | 68.2 | 46.0 |
| 2 | *6695.00 | 104.5 AV | | | 2.12 V | 123 | 58.5 | 46.0 |
| 3 | 13390.00 | 61.7 PK | 74.0 | -12.3 | 2.78 V | 263 | 50.3 | 11.4 |
| 4 | 13390.00 | 49.5 AV | 54.0 | -4.5 | 2.78 V | 263 | 38.1 | 11.4 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.



| | | | |
|------------------------|----------------|--|--|
| RF Mode | 802.11a | Channel | CH 181 : 6855 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6855.00 | 113.2 PK | | | 2.36 H | 201 | 66.6 | 46.6 |
| 2 | *6855.00 | 104.1 AV | | | 2.36 H | 201 | 57.5 | 46.6 |
| 3 | #13710.00 | 62.6 PK | 88.2 | -25.6 | 1.53 H | 254 | 50.5 | 12.1 |
| 4 | #13710.00 | 50.4 AV | 68.2 | -17.8 | 1.53 H | 254 | 38.3 | 12.1 |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6855.00 | 112.8 PK | | | 2.00 V | 118 | 66.2 | 46.6 |
| 2 | *6855.00 | 103.7 AV | | | 2.00 V | 118 | 57.1 | 46.6 |
| 3 | #13710.00 | 61.8 PK | 88.2 | -26.4 | 3.05 V | 198 | 49.7 | 12.1 |
| 4 | #13710.00 | 49.6 AV | 68.2 | -18.6 | 3.05 V | 198 | 37.5 | 12.1 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 2 : 5935 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5925.00 | 77.4 PK | 88.2 | -10.8 | 1.63 H | 214 | 72.9 | 4.5 |
| 2 | #5925.00 | 65.7 AV | 68.2 | -2.5 | 1.63 H | 214 | 61.2 | 4.5 |
| 3 | *5935.00 | 95.2 PK | | | 1.65 H | 202 | 53.1 | 42.1 |
| 4 | *5935.00 | 81.9 AV | | | 1.65 H | 202 | 39.8 | 42.1 |
| 5 | 11870.00 | 59.5 PK | 74.0 | -14.5 | 2.33 H | 152 | 49.5 | 10.0 |
| 6 | 11870.00 | 47.5 AV | 54.0 | -6.5 | 2.33 H | 152 | 37.5 | 10.0 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5925.00 | 75.2 PK | 88.2 | -13.0 | 1.28 V | 221 | 70.7 | 4.5 |
| 2 | #5925.00 | 64.6 AV | 68.2 | -3.6 | 1.28 V | 221 | 60.1 | 4.5 |
| 3 | *5935.00 | 93.4 PK | | | 1.28 V | 221 | 51.3 | 42.1 |
| 4 | *5935.00 | 79.4 AV | | | 1.28 V | 221 | 37.3 | 42.1 |
| 5 | 11870.00 | 59.2 PK | 74.0 | -14.8 | 1.96 V | 140 | 49.2 | 10.0 |
| 6 | 11870.00 | 47.1 AV | 54.0 | -6.9 | 1.96 V | 140 | 37.1 | 10.0 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.



| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 1 : 5955 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | #5925.00 | 68.0 PK | 88.2 | -20.2 | 1.58 H | 188 | 63.5 | 4.5 |
| 2 | #5925.00 | 53.1 AV | 68.2 | -15.1 | 1.58 H | 188 | 48.6 | 4.5 |
| 3 | *5955.00 | 114.6 PK | | | 1.63 H | 201 | 72.4 | 42.2 |
| 4 | *5955.00 | 101.4 AV | | | 1.63 H | 201 | 59.2 | 42.2 |
| 5 | 11910.00 | 59.5 PK | 74.0 | -14.5 | 2.06 H | 154 | 49.6 | 9.9 |
| 6 | 11910.00 | 47.4 AV | 54.0 | -6.6 | 2.06 H | 154 | 37.5 | 9.9 |

Antenna Polarity & Test Distance : Vertical at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | #5925.00 | 66.0 PK | 88.2 | -22.2 | 1.34 V | 218 | 61.5 | 4.5 |
| 2 | #5925.00 | 51.2 AV | 68.2 | -17.0 | 1.34 V | 218 | 46.7 | 4.5 |
| 3 | *5955.00 | 113.2 PK | | | 1.35 V | 221 | 71.0 | 42.2 |
| 4 | *5955.00 | 99.7 AV | | | 1.35 V | 221 | 57.5 | 42.2 |
| 5 | 11910.00 | 58.3 PK | 74.0 | -15.7 | 2.34 V | 188 | 48.4 | 9.9 |
| 6 | 11910.00 | 46.6 AV | 54.0 | -7.4 | 2.34 V | 188 | 36.7 | 9.9 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.



| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 45 : 6175 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6175.00 | 115.5 PK | | | 1.00 H | 153 | 71.1 | 44.4 |
| 2 | *6175.00 | 102.3 AV | | | 1.00 H | 153 | 57.9 | 44.4 |
| 3 | 12350.00 | 64.2 PK | 74.0 | -9.8 | 2.53 H | 159 | 53.6 | 10.6 |
| 4 | 12350.00 | 50.2 AV | 54.0 | -3.8 | 2.53 H | 159 | 39.6 | 10.6 |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6175.00 | 113.5 PK | | | 1.00 V | 335 | 69.1 | 44.4 |
| 2 | *6175.00 | 100.0 AV | | | 1.00 V | 335 | 55.6 | 44.4 |
| 3 | 12350.00 | 62.8 PK | 74.0 | -11.2 | 1.88 V | 222 | 52.2 | 10.6 |
| 4 | 12350.00 | 49.2 AV | 54.0 | -4.8 | 1.88 V | 222 | 38.6 | 10.6 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.



| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 93 : 6415 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6415.00 | 118.8 PK | | | 1.29 H | 177 | 73.4 | 45.4 |
| 2 | *6415.00 | 105.1 AV | | | 1.29 H | 177 | 59.7 | 45.4 |
| 3 | #12830.00 | 63.7 PK | 88.2 | -24.5 | 2.62 H | 159 | 52.8 | 10.9 |
| 4 | #12830.00 | 50.2 AV | 68.2 | -18.0 | 2.62 H | 159 | 39.3 | 10.9 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6415.00 | 115.9 PK | | | 2.24 V | 330 | 70.5 | 45.4 |
| 2 | *6415.00 | 102.5 AV | | | 2.24 V | 330 | 57.1 | 45.4 |
| 3 | #12830.00 | 63.1 PK | 88.2 | -25.1 | 1.74 V | 209 | 52.2 | 10.9 |
| 4 | #12830.00 | 49.2 AV | 68.2 | -19.0 | 1.74 V | 209 | 38.3 | 10.9 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.



| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 117 : 6535 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | *6535.00 | 118.7 PK | | | 1.46 H | 168 | 72.8 | 45.9 |
| 2 | *6535.00 | 105.5 AV | | | 1.46 H | 168 | 59.6 | 45.9 |
| 3 | #13070.00 | 63.4 PK | 88.2 | -24.8 | 2.45 H | 168 | 52.8 | 10.6 |
| 4 | #13070.00 | 49.9 AV | 68.2 | -18.3 | 2.45 H | 168 | 39.3 | 10.6 |

Antenna Polarity & Test Distance : Vertical at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | *6535.00 | 115.0 PK | | | 1.55 V | 329 | 69.1 | 45.9 |
| 2 | *6535.00 | 101.6 AV | | | 1.55 V | 329 | 55.7 | 45.9 |
| 3 | #13070.00 | 63.0 PK | 88.2 | -25.2 | 1.93 V | 221 | 52.4 | 10.6 |
| 4 | #13070.00 | 49.9 AV | 68.2 | -18.3 | 1.93 V | 221 | 39.3 | 10.6 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 149 : 6695 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6695.00 | 119.1 PK | | | 1.00 H | 179 | 73.1 | 46.0 |
| 2 | *6695.00 | 105.4 AV | | | 1.00 H | 179 | 59.4 | 46.0 |
| 3 | 13390.00 | 63.5 PK | 74.0 | -10.5 | 2.52 H | 157 | 52.1 | 11.4 |
| 4 | 13390.00 | 49.8 AV | 54.0 | -4.2 | 2.52 H | 157 | 38.4 | 11.4 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6695.00 | 115.5 PK | | | 1.59 V | 347 | 69.5 | 46.0 |
| 2 | *6695.00 | 102.3 AV | | | 1.59 V | 347 | 56.3 | 46.0 |
| 3 | 13390.00 | 63.7 PK | 74.0 | -10.3 | 1.94 V | 234 | 52.3 | 11.4 |
| 4 | 13390.00 | 50.5 AV | 54.0 | -3.5 | 1.94 V | 234 | 39.1 | 11.4 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.



| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE20) | Channel | CH 181 : 6855 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=1 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|--|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6855.00 | 115.7 PK | | | 1.53 H | 200 | 69.1 | 46.6 |
| 2 | *6855.00 | 102.2 AV | | | 1.53 H | 200 | 55.6 | 46.6 |
| 3 | #13710.00 | 64.5 PK | 88.2 | -23.7 | 2.46 H | 155 | 52.4 | 12.1 |
| 4 | #13710.00 | 51.2 AV | 68.2 | -17.0 | 2.46 H | 155 | 39.1 | 12.1 |
| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *6855.00 | 112.3 PK | | | 1.96 V | 118 | 65.7 | 46.6 |
| 2 | *6855.00 | 98.7 AV | | | 1.96 V | 118 | 52.1 | 46.6 |
| 3 | #13710.00 | 64.4 PK | 88.2 | -23.8 | 1.83 V | 224 | 52.3 | 12.1 |
| 4 | #13710.00 | 51.2 AV | 68.2 | -17.0 | 1.83 V | 224 | 39.1 | 12.1 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.



| | | | |
|------------------------|-----------------|--|--|
| RF Mode | 802.11ax (HE40) | Channel | CH 3 : 5965 MHz |
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 24°C, 78% RH |
| Tested By | Vincent Chen | | |

Antenna Polarity & Test Distance : Horizontal at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | #5925.00 | 64.4 PK | 88.2 | -23.8 | 1.92 H | 181 | 59.9 | 4.5 |
| 2 | #5925.00 | 60.1 AV | 68.2 | -8.1 | 1.92 H | 181 | 55.6 | 4.5 |
| 3 | *5965.00 | 112.2 PK | | | 1.92 H | 181 | 70.0 | 42.2 |
| 4 | *5965.00 | 99.5 AV | | | 1.92 H | 181 | 57.3 | 42.2 |
| 5 | 11930.00 | 62.8 PK | 74.0 | -11.2 | 2.53 H | 164 | 52.9 | 9.9 |
| 6 | 11930.00 | 49.5 AV | 54.0 | -4.5 | 2.53 H | 164 | 39.6 | 9.9 |

Antenna Polarity & Test Distance : Vertical at 3 m

| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|----|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| 1 | #5925.00 | 75.3 PK | 88.2 | -12.9 | 2.96 V | 185 | 70.8 | 4.5 |
| 2 | #5925.00 | 59.6 AV | 68.2 | -8.6 | 2.96 V | 185 | 55.1 | 4.5 |
| 3 | *5965.00 | 110.7 PK | | | 2.90 V | 184 | 68.5 | 42.2 |
| 4 | *5965.00 | 98.9 AV | | | 2.90 V | 184 | 56.7 | 42.2 |
| 5 | 11930.00 | 62.4 PK | 74.0 | -11.6 | 1.95 V | 231 | 52.5 | 9.9 |
| 6 | 11930.00 | 49.2 AV | 54.0 | -4.8 | 1.95 V | 231 | 39.3 | 9.9 |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.