



Appendix C. Radiated Spurious Emission

| | | | |
|-----------------|------------------------|---------------------|---------|
| Test Engineer : | Karl Hou and Andy Yang | Temperature : | 20~25°C |
| | | Relative Humidity : | 50~60% |

Band 5 - 5925~6425MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI Ant. | Note | Frequency (MHz) | Level (dBμV/m) | Margin (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|----------------------------------|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE20 Full CH 01 5955MHz | | 5823.4 | 55.1 | -33.1 | 88.2 | 37.98 | 33.84 | 12.91 | 29.63 | 100 | 308 | P | H | |
| | | 5854.44 | 45 | -23.2 | 68.2 | 27.82 | 34 | 12.81 | 29.63 | 100 | 308 | A | H | |
| | * | 5955 | 96.41 | - | - | 79.5 | 34.07 | 12.49 | 29.65 | 100 | 308 | P | H | |
| | * | 5955 | 86.53 | - | - | 69.62 | 34.07 | 12.49 | 29.65 | 100 | 308 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5825 | 55.27 | -32.93 | 88.2 | 38.14 | 33.85 | 12.91 | 29.63 | 360 | 136 | P | V |
| | | | 5889.32 | 44.87 | -23.33 | 68.2 | 27.81 | 34 | 12.7 | 29.64 | 360 | 136 | A | V |
| | * | | 5955 | 97.71 | - | - | 80.8 | 34.07 | 12.49 | 29.65 | 360 | 136 | P | V |
| | * | | 5955 | 86.41 | - | - | 69.5 | 34.07 | 12.49 | 29.65 | 360 | 136 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|---|---|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE40 Full CH 03 5965MHz | | 5815.72 | 55.85 | -32.35 | 88.2 | 38.75 | 33.79 | 12.94 | 29.63 | 100 | 118 | P | H | |
| | | 5882.6 | 44.94 | -23.26 | 68.2 | 27.86 | 34 | 12.72 | 29.64 | 100 | 118 | A | H | |
| | * | 5965 | 96.32 | - | - | 79.51 | 34.01 | 12.45 | 29.65 | 100 | 118 | P | H | |
| | * | 5965 | 85.07 | - | - | 68.26 | 34.01 | 12.45 | 29.65 | 100 | 118 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5847.4 | 56 | -32.2 | 88.2 | 38.81 | 33.98 | 12.84 | 29.63 | 338 | 142 | P | V |
| | | | 5880.04 | 45.05 | -23.15 | 68.2 | 27.96 | 34 | 12.73 | 29.64 | 338 | 142 | A | V |
| | * | | 5965 | 96.74 | - | - | 79.93 | 34.01 | 12.45 | 29.65 | 338 | 142 | P | V |
| | * | | 5965 | 86.05 | - | - | 69.24 | 34.01 | 12.45 | 29.65 | 338 | 142 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|----------------------------------|---|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE80 Full CH 07 5985MHz | | 5785 | 55.87 | -32.33 | 88.2 | 38.84 | 33.67 | 12.98 | 29.62 | 100 | 120 | P | H | |
| | | 5867.56 | 46.36 | -21.84 | 68.2 | 29.23 | 34 | 12.77 | 29.64 | 100 | 120 | A | H | |
| | * | 5985 | 95.57 | - | - | 78.95 | 33.89 | 12.39 | 29.66 | 100 | 120 | P | H | |
| | * | 5985 | 86.1 | - | - | 69.48 | 33.89 | 12.39 | 29.66 | 100 | 120 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5876.52 | 56.12 | -32.08 | 88.2 | 39.02 | 34 | 12.74 | 29.64 | 318 | 129 | P | V |
| | | | 5865.96 | 46.22 | -21.98 | 68.2 | 29.08 | 34 | 12.78 | 29.64 | 318 | 129 | A | V |
| | * | | 5985 | 95.58 | - | - | 78.96 | 33.89 | 12.39 | 29.66 | 318 | 129 | P | V |
| | * | | 5985 | 86.44 | - | - | 69.82 | 33.89 | 12.39 | 29.66 | 318 | 129 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



**Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|--|---|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 5862.44 | 57.51 | -30.69 | 88.2 | 40.36 | 34 | 12.79 | 29.64 | 100 | 118 | P | H | |
| | | 5916.52 | 46.78 | -21.42 | 68.2 | 29.78 | 34.03 | 12.61 | 29.64 | 100 | 118 | A | H | |
| | * | 6025 | 95.62 | - | - | 78.86 | 33.9 | 12.54 | 29.68 | 100 | 118 | P | H | |
| | * | 6025 | 85.64 | - | - | 68.88 | 33.9 | 12.54 | 29.68 | 100 | 118 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | | | 5892.2 | 56.3 | -31.9 | 88.2 | 39.25 | 34 | 12.69 | 29.64 | 308 | 134 | P | V |
| | | | 5916.52 | 46.82 | -21.38 | 68.2 | 29.82 | 34.03 | 12.61 | 29.64 | 308 | 134 | A | V |
| | * | | 6025 | 96.32 | - | - | 79.56 | 33.9 | 12.54 | 29.68 | 308 | 134 | P | V |
| | * | | 6025 | 86.63 | - | - | 69.87 | 33.9 | 12.54 | 29.68 | 308 | 134 | A | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------|------|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| | | 11616 | 49.02 | -24.98 | 74 | 45.96 | 38.77 | 19.25 | 54.96 | - | - | P | H |
| | | 11616 | 38.73 | -15.27 | 54 | 35.67 | 38.77 | 19.25 | 54.96 | - | - | A | H |
| | | 12050 | 45.78 | -28.22 | 74 | 42.15 | 38.85 | 19.57 | 54.79 | - | - | P | H |
| | | 14496 | 48.64 | -25.36 | 74 | 40.79 | 40.4 | 21.78 | 54.33 | - | - | P | H |
| | | 14496 | 42.07 | -11.93 | 54 | 34.22 | 40.4 | 21.78 | 54.33 | - | - | A | H |
| | | 17960 | 52.35 | -21.65 | 74 | 41.28 | 42.68 | 24.96 | 56.57 | - | - | P | H |
| | | 17960 | 42.51 | -11.49 | 54 | 31.44 | 42.68 | 24.96 | 56.57 | - | - | A | H |
| | | 18075 | 36.82 | -37.18 | 74 | 58.75 | 37.62 | -3.72 | 55.83 | - | - | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| 802.11ax | | | | | | | | | | | | | H |
| HE160 Full | | | | | | | | | | | | | H |
| CH 15 | | 11344 | 48.31 | -25.69 | 74 | 45.19 | 39.2 | 19.04 | 55.12 | - | - | P | V |
| 6025MHz | | 11344 | 38.81 | -15.19 | 54 | 35.69 | 39.2 | 19.04 | 55.12 | - | - | A | V |
| | | 12050 | 46.12 | -27.88 | 74 | 42.49 | 38.85 | 19.57 | 54.79 | - | - | P | V |
| | | 14472 | 48.35 | -25.65 | 74 | 40.52 | 40.4 | 21.75 | 54.32 | - | - | P | V |
| | | 14472 | 42.19 | -11.81 | 54 | 34.36 | 40.4 | 21.75 | 54.32 | - | - | A | V |
| | | 17928 | 52.86 | -21.14 | 74 | 42.04 | 42.42 | 24.95 | 56.55 | - | - | P | V |
| | | 17928 | 42.04 | -11.96 | 54 | 31.22 | 42.42 | 24.95 | 56.55 | - | - | A | V |
| | | 18075 | 36.2 | -37.8 | 74 | 58.13 | 37.62 | -3.72 | 55.83 | - | - | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |



| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------|------|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| | | 10600 | 47.68 | -26.32 | 74 | 45.57 | 39 | 18.58 | 55.47 | - | - | P | H |
| | | 10600 | 37.77 | -16.23 | 54 | 35.66 | 39 | 18.58 | 55.47 | - | - | A | H |
| | | 12370 | 44.3 | -29.7 | 74 | 40.21 | 38.8 | 19.85 | 54.56 | - | - | P | H |
| | | 14480 | 47.94 | -26.06 | 74 | 40.1 | 40.4 | 21.76 | 54.32 | - | - | P | H |
| | | 14480 | 42.39 | -11.61 | 54 | 34.55 | 40.4 | 21.76 | 54.32 | - | - | A | H |
| | | 17936 | 51.7 | -22.3 | 74 | 40.82 | 42.49 | 24.95 | 56.56 | - | - | P | H |
| | | 17936 | 42.35 | -11.65 | 54 | 31.47 | 42.49 | 24.95 | 56.56 | - | - | A | H |
| | | 18555 | 36.51 | -37.49 | 74 | 57.54 | 37.94 | -3.6 | 55.37 | - | - | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| 802.11ax | | | | | | | | | | | | | |
| HE160 Full | | | | | | | | | | | | | |
| CH 47 | | 11384 | 48.08 | -25.92 | 74 | 44.91 | 39.2 | 19.06 | 55.09 | - | - | P | V |
| 6185MHz | | 11384 | 38.81 | -15.19 | 54 | 35.64 | 39.2 | 19.06 | 55.09 | - | - | A | V |
| | | 12370 | 44.55 | -29.45 | 74 | 40.46 | 38.8 | 19.85 | 54.56 | - | - | P | V |
| | | 14480 | 48.14 | -25.86 | 74 | 40.3 | 40.4 | 21.76 | 54.32 | - | - | P | V |
| | | 14480 | 42.31 | -11.69 | 54 | 34.47 | 40.4 | 21.76 | 54.32 | - | - | A | V |
| | | 17960 | 51.62 | -22.38 | 74 | 40.55 | 42.68 | 24.96 | 56.57 | - | - | P | V |
| | | 17960 | 42.51 | -11.49 | 54 | 31.44 | 42.68 | 24.96 | 56.57 | - | - | A | V |
| | | 18555 | 36.98 | -37.02 | 74 | 58.01 | 37.94 | -3.6 | 55.37 | - | - | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |



| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|--|--|-------------------|------------------|---------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE160 Full CH 79 6345MHz | | 10728 | 47.44 | -26.56 | 74 | 45.18 | 39.06 | 18.64 | 55.44 | - | - | P | H | |
| | | 10728 | 37.95 | -16.05 | 54 | 35.69 | 39.06 | 18.64 | 55.44 | - | - | A | H | |
| | | 12690 | 45.24 | -28.76 | 74 | 40.54 | 39.07 | 20.13 | 54.5 | - | - | P | H | |
| | | 14496 | 48.82 | -25.18 | 74 | 40.97 | 40.4 | 21.78 | 54.33 | - | - | P | H | |
| | | 14496 | 42.59 | -11.41 | 54 | 34.74 | 40.4 | 21.78 | 54.33 | - | - | A | H | |
| | | 17920 | 51.56 | -22.44 | 74 | 40.81 | 42.36 | 24.94 | 56.55 | - | - | P | H | |
| | | 17920 | 42.2 | -11.8 | 54 | 31.45 | 42.36 | 24.94 | 56.55 | - | - | A | H | |
| | | 19035 | 36.23 | -37.77 | 74 | 56.98 | 38.01 | -3.67 | 55.09 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 10776 | 47.65 | -26.35 | 74 | 45.25 | 39.15 | 18.67 | 55.42 | - | - | P | V |
| | | | 10776 | 38.05 | -15.95 | 54 | 35.65 | 39.15 | 18.67 | 55.42 | - | - | A | V |
| | | | 12690 | 45.76 | -28.24 | 74 | 41.06 | 39.07 | 20.13 | 54.5 | - | - | P | V |
| | | | 14488 | 47.62 | -26.38 | 74 | 39.78 | 40.4 | 21.77 | 54.33 | - | - | P | V |
| | | | 14488 | 42.31 | -11.69 | 54 | 34.47 | 40.4 | 21.77 | 54.33 | - | - | A | V |
| | | | 17944 | 51.48 | -22.52 | 74 | 40.54 | 42.55 | 24.95 | 56.56 | - | - | P | V |
| | | | 17944 | 42.39 | -11.61 | 54 | 31.45 | 42.55 | 24.95 | 56.56 | - | - | A | V |
| | | | 19035 | 36.68 | -37.32 | 74 | 57.43 | 38.01 | -3.67 | 55.09 | - | - | P | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | | |



Band 7 - 6525~6875MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBµV/m) | Margin Limit (dB) | Limit Line (dBµV/m) | Read Level (dBµV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-------------------|------|-------------------|------------------|---------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| | | 10768 | 47.95 | -26.05 | 74 | 45.58 | 39.14 | 18.66 | 55.43 | - | - | P | H |
| | | 10768 | 37.98 | -16.02 | 54 | 35.61 | 39.14 | 18.66 | 55.43 | - | - | A | H |
| | | 13330 | 47.91 | -26.09 | 74 | 41.77 | 39.65 | 20.69 | 54.2 | - | - | P | H |
| | | 14488 | 48.87 | -25.13 | 74 | 41.03 | 40.4 | 21.77 | 54.33 | - | - | P | H |
| | | 14488 | 42.47 | -11.53 | 54 | 34.63 | 40.4 | 21.77 | 54.33 | - | - | A | H |
| | | 17856 | 51.84 | -22.16 | 74 | 41.75 | 41.67 | 24.92 | 56.5 | - | - | P | H |
| | | 17856 | 41.58 | -12.42 | 54 | 31.49 | 41.67 | 24.92 | 56.5 | - | - | A | H |
| | | 19995 | 34.64 | -39.36 | 74 | 55.56 | 37.51 | -3.53 | 54.9 | - | - | P | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| 802.11ax | | | | | | | | | | | | | H |
| HE160 Full | | | | | | | | | | | | | H |
| CH 143 | | 10712 | 47.75 | -26.25 | 74 | 45.54 | 39.02 | 18.63 | 55.44 | - | - | P | V |
| 6665MHz | | 10712 | 37.96 | -16.04 | 54 | 35.75 | 39.02 | 18.63 | 55.44 | - | - | A | V |
| | | 13330 | 46.22 | -27.78 | 74 | 40.08 | 39.65 | 20.69 | 54.2 | - | - | P | V |
| | | 14488 | 47.93 | -26.07 | 74 | 40.09 | 40.4 | 21.77 | 54.33 | - | - | P | V |
| | | 14488 | 42.39 | -11.61 | 54 | 34.55 | 40.4 | 21.77 | 54.33 | - | - | A | V |
| | | 17888 | 52.19 | -21.81 | 74 | 41.72 | 42.06 | 24.93 | 56.52 | - | - | P | V |
| | | 17888 | 41.73 | -12.27 | 54 | 31.26 | 42.06 | 24.93 | 56.52 | - | - | A | V |
| | | 19995 | 35.44 | -38.56 | 74 | 56.36 | 37.51 | -3.53 | 54.9 | - | - | P | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | V |



| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|---|--|-------------------|------------------|---------------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|---|
| 802.11ax HE160 Full CH 175 6825MHz | | 10784 | 47.64 | -26.36 | 74 | 45.22 | 39.17 | 18.67 | 55.42 | - | - | P | H | |
| | | 10784 | 37.84 | -16.16 | 54 | 35.42 | 39.17 | 18.67 | 55.42 | - | - | A | H | |
| | | 13650 | 47.42 | -40.78 | 88.2 | 40.41 | 40.1 | 20.98 | 54.07 | - | - | P | H | |
| | | 14488 | 49.11 | -24.89 | 74 | 41.27 | 40.4 | 21.77 | 54.33 | - | - | P | H | |
| | | 14488 | 42.27 | -11.73 | 54 | 34.43 | 40.4 | 21.77 | 54.33 | - | - | A | H | |
| | | 17928 | 51.63 | -22.37 | 74 | 40.81 | 42.42 | 24.95 | 56.55 | - | - | P | H | |
| | | 17928 | 42.18 | -11.82 | 54 | 31.36 | 42.42 | 24.95 | 56.55 | - | - | A | H | |
| | | 20475 | 35.42 | -38.58 | 74 | 55.84 | 37.98 | -3.5 | 54.9 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 10776 | 47.45 | -26.55 | 74 | 45.05 | 39.15 | 18.67 | 55.42 | - | - | P | V |
| | | | 10776 | 37.83 | -16.17 | 54 | 35.43 | 39.15 | 18.67 | 55.42 | - | - | A | V |
| | | | 13650 | 47.42 | -40.78 | 88.2 | 40.41 | 40.1 | 20.98 | 54.07 | - | - | P | V |
| | | | 14480 | 48.33 | -25.67 | 74 | 40.49 | 40.4 | 21.76 | 54.32 | - | - | P | V |
| | | | 14480 | 42.31 | -11.69 | 54 | 34.47 | 40.4 | 21.76 | 54.32 | - | - | A | V |
| | | | 17928 | 52.01 | -21.99 | 74 | 41.19 | 42.42 | 24.95 | 56.55 | - | - | P | V |
| | | | 17928 | 42.34 | -11.66 | 54 | 31.52 | 42.42 | 24.95 | 56.55 | - | - | A | V |
| | | | 20475 | 35 | -39 | 74 | 55.42 | 37.98 | -3.5 | 54.9 | - | - | P | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | <ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. The emission level close to 18GHz is checked that the average emission level is noise floor only. | | | | | | | | | | | | | |



Band 8 - 6875~7125MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|-----------------------------------|---|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax HE20 Full CH 229 7095MHz | * | 7095 | 99.27 | - | - | 78.15 | 36.27 | 14.93 | 30.08 | 238 | 306 | P | H |
| | * | 7095 | 89.25 | - | - | 68.13 | 36.27 | 14.93 | 30.08 | 238 | 306 | A | H |
| | | 7141.16 | 60.91 | -27.29 | 88.2 | 39.6 | 36.55 | 14.85 | 30.09 | 238 | 306 | P | H |
| | | 7144.36 | 49.99 | -18.21 | 68.2 | 28.66 | 36.57 | 14.85 | 30.09 | 238 | 306 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 7095 | 98.75 | - | - | 77.63 | 36.27 | 14.93 | 30.08 | 284 | 143 | P | V |
| | * | 7095 | 88.2 | - | - | 67.08 | 36.27 | 14.93 | 30.08 | 284 | 143 | A | V |
| | | 7166.76 | 60.73 | -27.47 | 88.2 | 39.45 | 36.57 | 14.81 | 30.1 | 284 | 143 | P | V |
| | | 7157.16 | 50.24 | -17.96 | 68.2 | 28.93 | 36.59 | 14.82 | 30.1 | 284 | 143 | A | V |
| | | | | | | | | | | | | V | |
| | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



**Band 8 - 6875~7125MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) |
|--|---|-------------------|------------------|---------------|-----------------------|---------------------|-------------------------|------------------|----------------------|----------------|-------------------|-------------------|--------------|
| 802.11ax HE40 Full CH 227 7085MHz | * | 7085 | 98.41 | - | - | 77.33 | 36.21 | 14.95 | 30.08 | 236 | 306 | P | H |
| | * | 7085 | 87.72 | - | - | 66.64 | 36.21 | 14.95 | 30.08 | 236 | 306 | A | H |
| | | 7130.28 | 61.71 | -26.49 | 88.2 | 40.45 | 36.48 | 14.87 | 30.09 | 236 | 306 | P | H |
| | | 7150.12 | 50.22 | -17.98 | 68.2 | 28.88 | 36.6 | 14.84 | 30.1 | 236 | 306 | A | H |
| | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | H |
| | * | 7085 | 96.92 | - | - | 75.84 | 36.21 | 14.95 | 30.08 | 278 | 143 | P | V |
| | * | 7085 | 86.88 | - | - | 65.8 | 36.21 | 14.95 | 30.08 | 278 | 143 | A | V |
| | | 7130.28 | 60.39 | -27.81 | 88.2 | 39.13 | 36.48 | 14.87 | 30.09 | 278 | 143 | P | V |
| | | 7142.12 | 50.17 | -18.03 | 68.2 | 28.86 | 36.55 | 14.85 | 30.09 | 278 | 143 | A | V |
| | | | | | | | | | | | | V | |
| | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |



**Band 8 - 6875~7125MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|-----------------------------------|---|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE80 Full CH 215 7025MHz | * | 7025 | 97.86 | - | - | 76.96 | 35.9 | 15.06 | 30.06 | 237 | 303 | P | H | |
| | * | 7025 | 87.99 | - | - | 67.09 | 35.9 | 15.06 | 30.06 | 237 | 303 | A | H | |
| | | 7156.52 | 61.16 | -27.04 | 88.2 | 39.84 | 36.59 | 14.83 | 30.1 | 237 | 303 | P | H | |
| | | 7141.16 | 51.45 | -16.75 | 68.2 | 30.14 | 36.55 | 14.85 | 30.09 | 237 | 303 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | * | 7025 | 96.95 | - | - | 76.05 | 35.9 | 15.06 | 30.06 | 305 | 144 | P | V | |
| | * | 7025 | 86.85 | - | - | 65.95 | 35.9 | 15.06 | 30.06 | 305 | 144 | A | V | |
| | | 7137.96 | 59.95 | -28.25 | 88.2 | 38.65 | 36.53 | 14.86 | 30.09 | 305 | 144 | P | V | |
| | | 7149.16 | 51.2 | -17 | 68.2 | 29.86 | 36.59 | 14.84 | 30.09 | 305 | 144 | A | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



**Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|---|---|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE160 Full CH 207 6985MHz | * | 6985 | 98.14 | - | - | 77.35 | 35.8 | 15.04 | 30.05 | 238 | 308 | P | H | |
| | * | 6985 | 88.1 | - | - | 67.31 | 35.8 | 15.04 | 30.05 | 238 | 308 | A | H | |
| | | 7171.24 | 60.38 | -27.82 | 88.2 | 39.12 | 36.56 | 14.8 | 30.1 | 238 | 308 | P | H | |
| | | 7129 | 51.59 | -16.61 | 68.2 | 30.34 | 36.47 | 14.87 | 30.09 | 238 | 308 | A | H | |
| | | | | | | | | | | | | | H | |
| | | | | | | | | | | | | | | H |
| | * | 6985 | 97.3 | - | - | 76.51 | 35.8 | 15.04 | 30.05 | 317 | 145 | P | V | |
| | * | 6985 | 86.92 | - | - | 66.13 | 35.8 | 15.04 | 30.05 | 317 | 145 | A | V | |
| | | 7134.12 | 60.49 | -27.71 | 88.2 | 39.21 | 36.5 | 14.87 | 30.09 | 317 | 145 | P | V | |
| | | 7204.84 | 51.18 | -17.02 | 68.2 | 29.98 | 36.54 | 14.77 | 30.11 | 317 | 145 | A | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| Remark | 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |



Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI Ant. 4+3 | Note | Frequency (MHz) | Level (dBμV/m) | Margin Limit (dB) | Limit Line (dBμV/m) | Read Level (dBμV) | Antenna Factor (dB/m) | Path Loss (dB) | Preamp Factor (dB) | Ant Pos (cm) | Table Pos (deg) | Peak Avg. (P/A) | Pol. (H/V) | |
|---|------|-------------------|------------------|---------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|---|
| 802.11ax HE160 Full CH 207 6985MHz | | 11384 | 47.63 | -26.37 | 74 | 44.46 | 39.2 | 19.06 | 55.09 | - | - | P | H | |
| | | 11384 | 38.62 | -15.38 | 54 | 35.45 | 39.2 | 19.06 | 55.09 | - | - | A | H | |
| | | 13970 | 47.29 | -40.91 | 88.2 | 39.81 | 40.38 | 21.27 | 54.17 | - | - | P | H | |
| | | 14488 | 48.19 | -25.81 | 74 | 40.35 | 40.4 | 21.77 | 54.33 | - | - | P | H | |
| | | 14488 | 42.28 | -11.72 | 54 | 34.44 | 40.4 | 21.77 | 54.33 | - | - | A | H | |
| | | 17944 | 52.37 | -21.63 | 74 | 41.43 | 42.55 | 24.95 | 56.56 | - | - | P | H | |
| | | 17944 | 42.57 | -11.43 | 54 | 31.63 | 42.55 | 24.95 | 56.56 | - | - | A | H | |
| | | 20955 | 35.53 | -38.47 | 74 | 55.65 | 37.96 | -3.36 | 54.72 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |

| | |
|---------------|---|
| Remark | 1. No other spurious found. |
| | 2. All results are PASS against Peak and Average limit line. |
| | 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |
| | 4. The emission level close to 18GHz is checked that the average emission level is noise floor only. |



Emission below 1GHz

WIFI 802.11ax HE160 Full (LF @ 3m)

| WIFI | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. | |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|---|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | | |
| 4+3 | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) | |
| 802.11ax HE160 Full LF | | 96.93 | 24.88 | -18.62 | 43.5 | 39.87 | 15.54 | 1.78 | 32.31 | - | - | P | H | |
| | | 187.14 | 23.79 | -19.71 | 43.5 | 38.72 | 14.83 | 2.47 | 32.23 | - | - | P | H | |
| | | 466.5 | 24.52 | -21.48 | 46 | 29.58 | 23.52 | 3.82 | 32.4 | - | - | P | H | |
| | | 558.65 | 27.34 | -18.66 | 46 | 29.62 | 26.02 | 4.13 | 32.43 | - | - | P | H | |
| | | 732.28 | 32.85 | -13.15 | 46 | 32.76 | 27.75 | 4.7 | 32.36 | - | - | P | H | |
| | | 903.97 | 34.46 | -11.54 | 46 | 31.6 | 29.08 | 5.29 | 31.51 | - | - | P | H | |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | | | | | | | | | | | | H |
| | | | 34.85 | 26.11 | -13.89 | 40 | 35.23 | 22.27 | 0.92 | 32.31 | - | - | P | V |
| | | | 94.99 | 23.78 | -19.72 | 43.5 | 39.13 | 15.2 | 1.76 | 32.31 | - | - | P | V |
| | | | 130.88 | 22.27 | -21.23 | 43.5 | 34.85 | 17.63 | 2.06 | 32.27 | - | - | P | V |
| | | | 178.41 | 26.97 | -16.53 | 43.5 | 41.62 | 15.15 | 2.42 | 32.22 | - | - | P | V |
| | | | 418 | 23.86 | -22.14 | 46 | 29.89 | 22.76 | 3.61 | 32.4 | - | - | P | V |
| | | | 785.63 | 32.01 | -13.99 | 46 | 31.38 | 28.02 | 4.89 | 32.28 | - | - | P | V |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |
| | | | | | | | | | | | | | V | |

Remark

- No other spurious found.
- All results are PASS against limit line.
- The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.



Note symbol

| | |
|-----|--|
| * | Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| ! | Test result is over limit line. |
| P/A | Peak or Average |
| H/V | Horizontal or Vertical |



A calculation example for radiated spurious emission is shown as below:

| WIFI | Note | Frequency | Level | Margin | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant. | | (MHz) | (dBμV/m) | (dB) | (dBμV/m) | (dBμV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 4+3 | | | | | | | | | | | | | |
| 802.11a | | 5925 | 55.45 | -32.75 | 88.2 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| CH 01 | | | | | | | | | | | | | |
| 5955MHz | | 5925 | 43.54 | -24.66 | 68.2 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Margin Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Margin Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -24.66(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission Plots

| | | | |
|-----------------|------------------------|---------------------|---------|
| Test Engineer : | Karl Hou and Andy Yang | Temperature : | 20~25°C |
| | | Relative Humidity : | 50~60% |

Note symbol

| | |
|----|-----------------------|
| -L | Low channel location |
| -R | High channel location |



Band 5 - 5925~6425MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

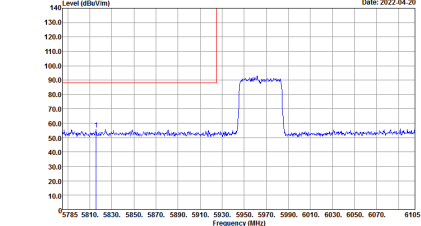
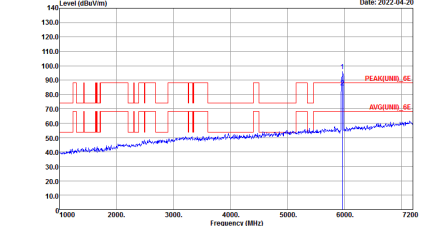
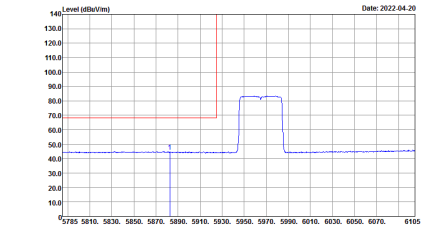
Table with 2 columns (WIFI, ANT) and 2 rows (4+3, Peak, Avg.). It contains spectral analysis plots for Horizontal and Fundamental signals, and a 'Left blank' plot. Each plot shows Level (dBm/1m) vs Frequency (MHz) with specific site and condition details.



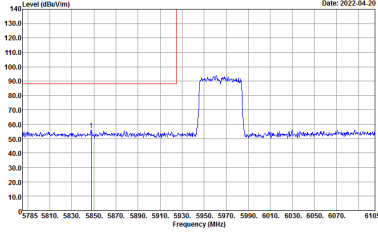
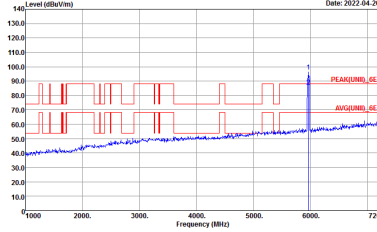
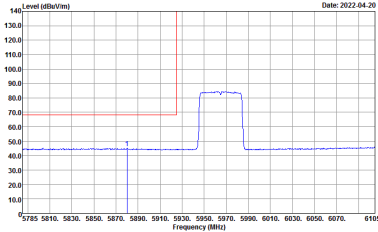
| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ax HE20 Full CH01 5955MHz | |
| 4+3 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

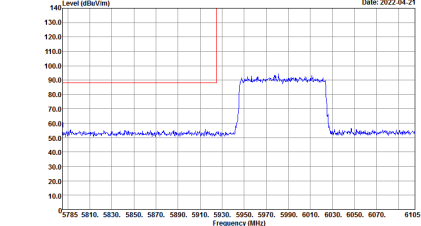
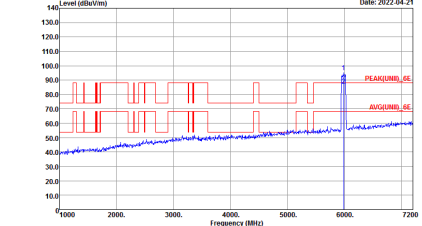
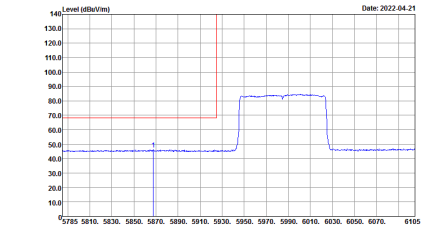
| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|-------------|---|---|
| ANT | 802.11ax HE40 Full CH03 5965MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE([UNIT]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK([UNIT]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE([UNIT]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|------|---|---|
| ANT | 802.11ax HE40 Full CH03 5965MHz | |
| 4+3 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT1)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT1)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT1)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

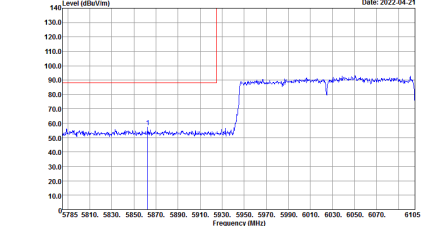
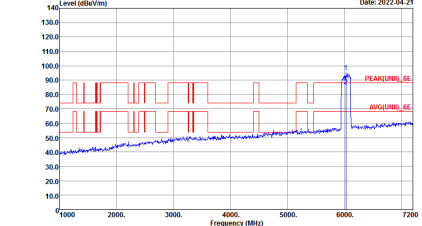
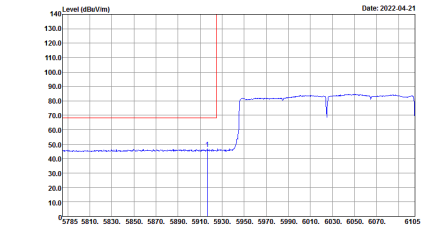
| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|-------------|---|---|
| ANT | 802.11ax HE80 Full CH07 5985MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE([UNIT]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK([UNIT]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE([UNIT]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



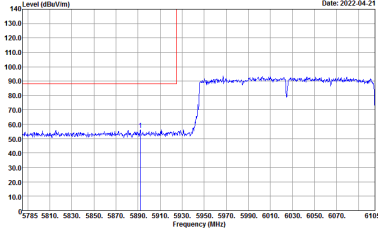
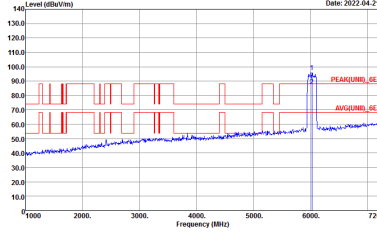
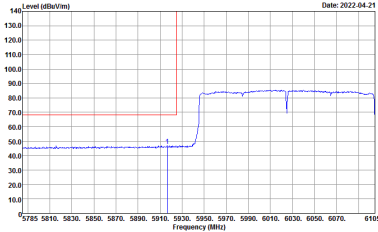
| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ax HE80 Full CH07 5985MHz | |
| 4+3 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|-------------|--|--|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE([UNI]),_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK([UNI]),_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE([UNI]),_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



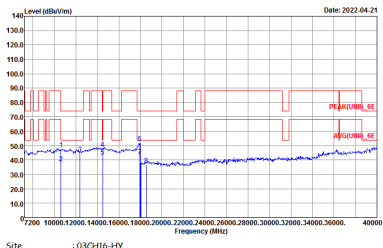
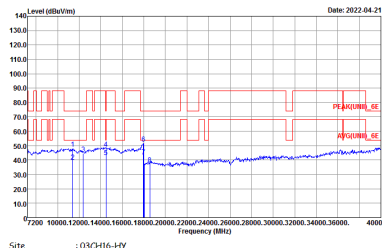
| WIFI | Band 5 5925~6425MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 4+3 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



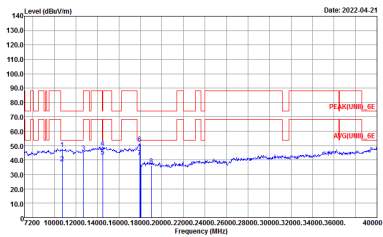
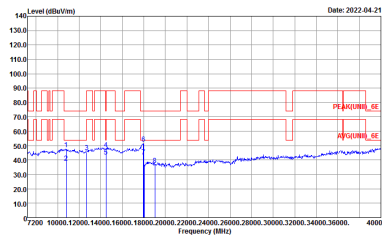
Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| | | |
|----------------------------|--|--|
| WIFI | Band 5 5925~6425MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-FY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak</p> | <p>Site : 03CH16-FY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



| | | |
|--------------|---|--|
| WIFI | Band 5 5925~6425MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH47 6185MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 HCRIZONTAL Detector : Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



| | | |
|--------------|---|--|
| WIFI | Band 5 5925~6425MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH79 6345MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 HCRIZONTAL Detector : Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



Band 6 6425~6525MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

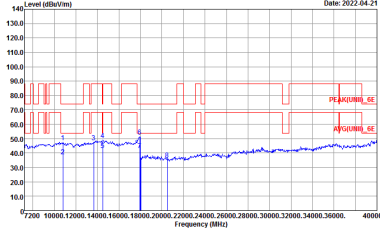
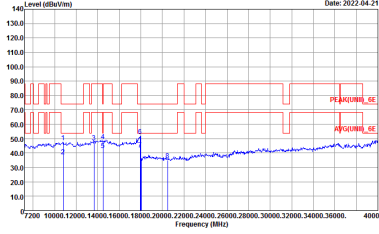
| | | |
|----------------------|---|---|
| WIFI | Band 6 6425~6525MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH111 6505MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak</p> | <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



**Band 7 6525~6875MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

| | | |
|----------------------|--|--|
| WIFI | Band 7 6525~6875MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH143 6665MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-FY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak</p> | <p>Site : 03CH16-FY Condition : PEAK(UNII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



| | | |
|--------------|---|--|
| WIFI | Band 7 6525~6875MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH175 6825MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 HCRIZONTAL Detector : Peak</p> |  <p>Site : 03CH16-HY Condition : PEAK(LINII)_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



Band 8 - 6875~7125MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

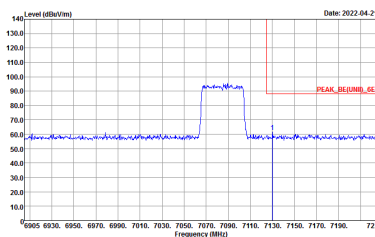
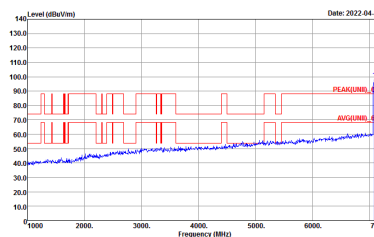
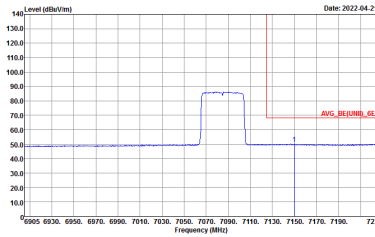
Table with 2 columns (WIFI, ANT) and 2 rows (4+3, Peak, Avg.). It contains spectral analysis plots for Horizontal and Fundamental signals, and a 'Left blank' plot. Each plot shows Level (dBV/m) vs Frequency (MHz) with various annotations like 'PEAK_BE(UNII)_6E' and 'AVG_BE(UNII)_6E'.



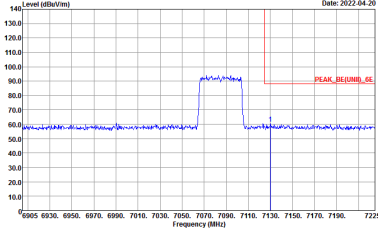
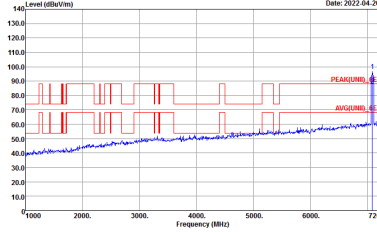
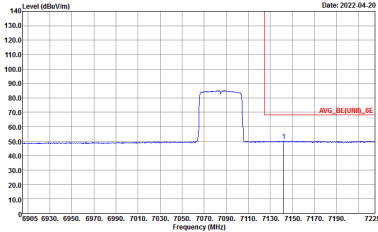
| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ax HE20 Full CH229 7095MHz | |
| 4+3 | Vertical | Fundamental |
| Peak | <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



Band 8 - 6875~7125MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

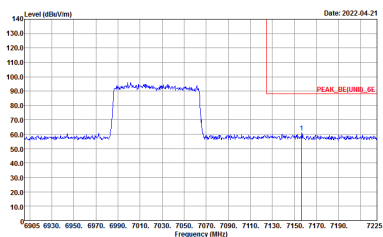
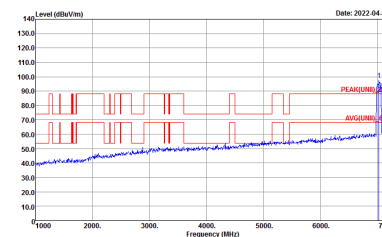
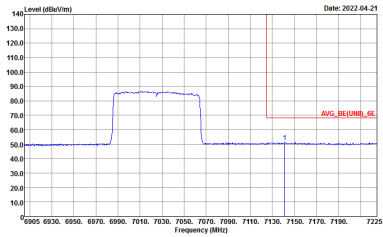
| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ax HE40 Full CH227 7085MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : PEAK_BE([UNI]),_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : PEAK([UNI]),_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : AVG_BE([UNI]),_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



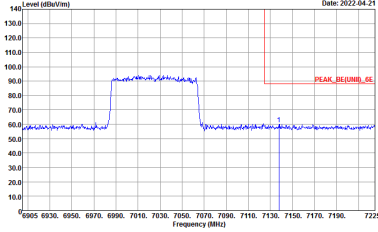
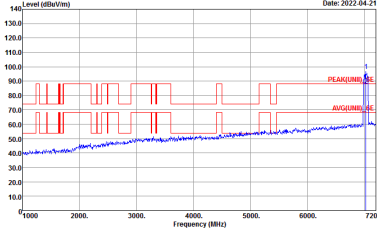
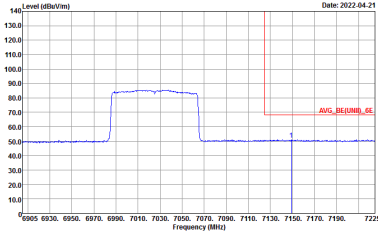
| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ax HE40 Full CH227 7085MHz | |
| 4+3 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



Band 8 - 6875~7125MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

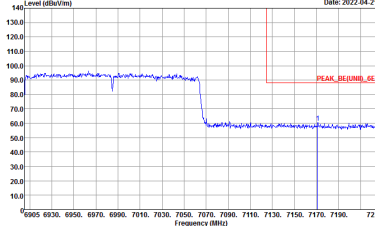
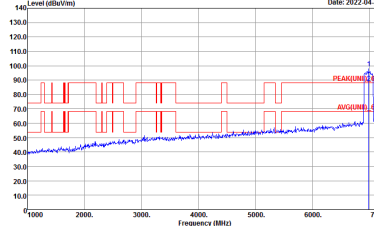
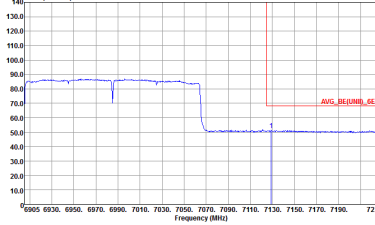
| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|-------------|--|--|
| ANT | 802.11ax HE80 Full CH215 7025MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE[UNII]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK[UNII]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE[UNII]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ax HE80 Full CH215 7025MHz | |
| 4+3 | Vertical | Fundamental |
| Peak |  <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11ax HE160 Full CH207 6985MHz | |
| 4+3 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH16-HY Condition : PEAK_BE[UNII]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH16-HY Condition : PEAK[UNII]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH16-HY Condition : AVG_BE[UNII]_6E 3m 91200_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



| WIFI | Band 8 6875~7125MHz Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ax HE160 Full CH207 6985MHz | |
| 4+3 | Vertical | Fundamental |
| Peak | <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Date: 2022-04-21</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_6E 3m 91200_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



Band 8 - 6875~7125MHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| | | |
|--------------|--|--|
| WIFI | Band 8 6875~7125MHz Harmonic @ 3m | |
| ANT | 802.11ax HE160 Full CH207 6985MHz | |
| 4+3 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH16-FY Condition : PEAK[UNII]_6E 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak</p> | <p>Site : 03CH16-FY Condition : PEAK[UNII]_6E 1m SHF ANT_9170_00993 VERTICAL Detector : Peak</p> |



Emission below 1GHz
5GHz WIFI 802.11ax HE160 Full (LF)

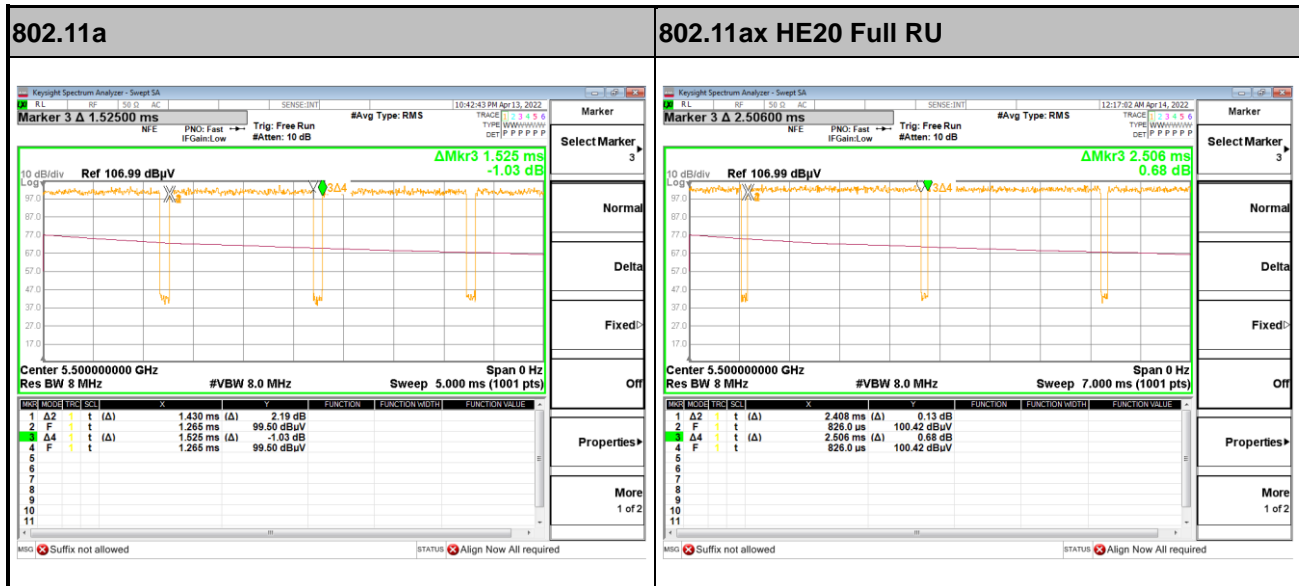
| | | |
|--------------|---|---|
| WIFI | 5GHz WIFI | |
| ANT | 802.11ax HE160 Full LF | |
| 4+3 | Horizontal | Vertical |
| QP / Peak | <p>Site : 03CH16-HY Condition : QP 3m BIL06_47020_211009 HORIZONTAL Detector : Peak</p> | <p>Site : 03CH16-HY Condition : QP 3m BIL06_47020_211009 VERTICAL Detector : Peak</p> |

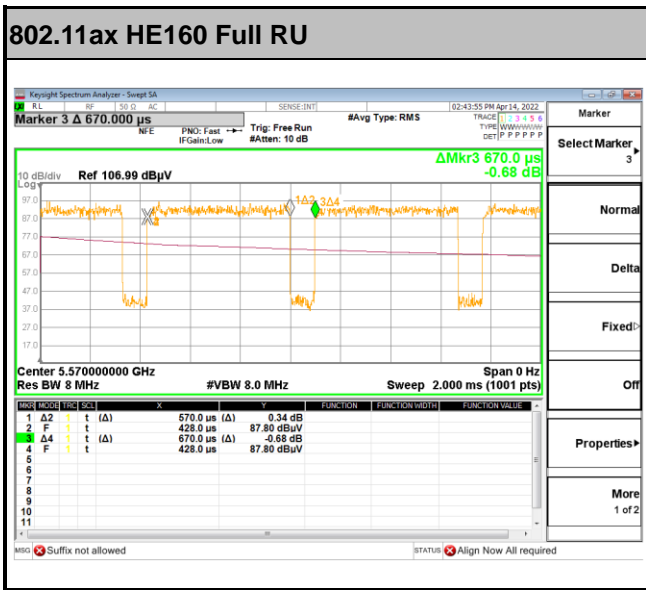
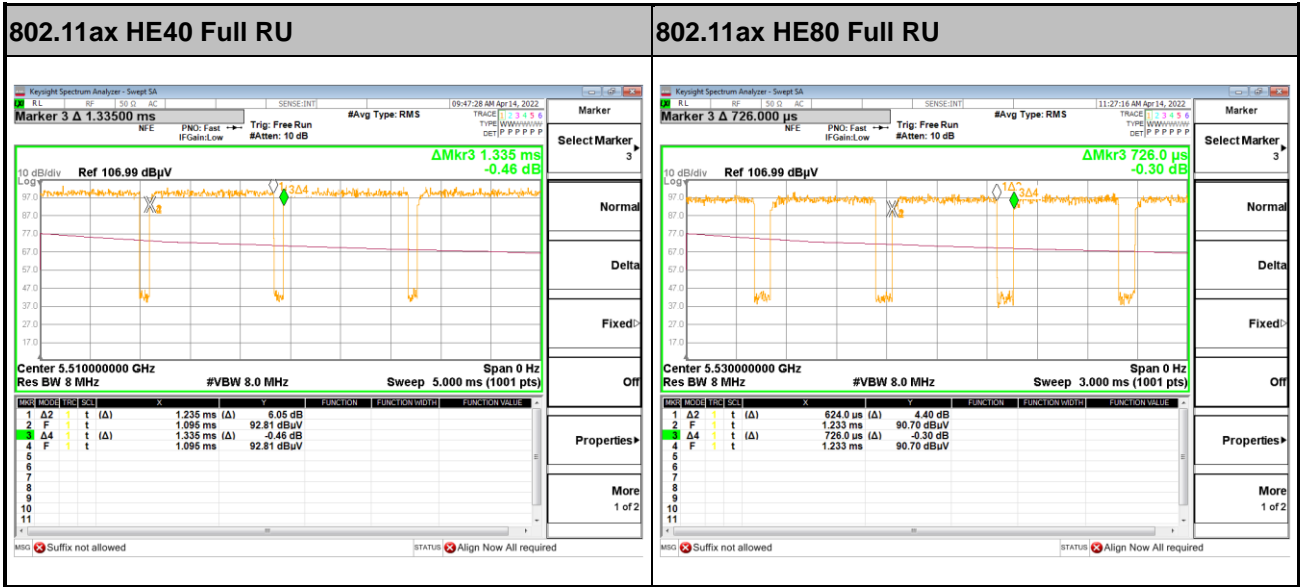


Appendix E. Duty Cycle Plots

| Antenna | Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|-----------------------------|---------------|-------|----------|-------------|
| 4+3 | 802.11a | 93.77 | 1430 | 0.70 | 1kHz |
| 4+3 | 5GHz 802.11ax HE20 Full RU | 96.09 | 2408 | 0.42 | 1kHz |
| 4+3 | 5GHz 802.11ax HE40 Full RU | 92.51 | 1235 | 0.81 | 1kHz |
| 4+3 | 5GHz 802.11ax HE80 Full RU | 85.95 | 624 | 1.60 | 3kHz |
| 4+3 | 5GHz 802.11ax HE160 Full RU | 85.07 | 570 | 1.75 | 3kHz |

MIMO <Ant. 4+3>





—THE END—