



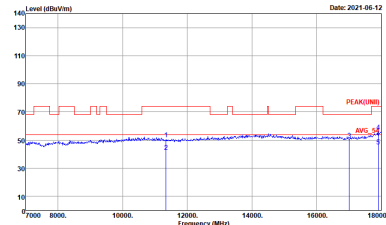
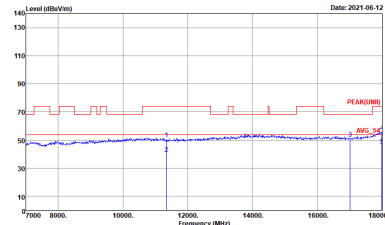
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
|----------------------|---|---|
| ANT | 802.11n HT40 CH102 5510MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK[UNII] 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK[UNII] 3m 91200_002360_1091103 VERTICAL</p> |



| | | |
|----------------------|---|---|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11n HT40 CH110 5550MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 VERTICAL</p> |



| | | |
|--------------|---|--|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11n HT40 CH134 5670MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. |  <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 HORIZONTAL</p> |  <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 VERTICAL</p> |



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
|----------------------------|---|---|
| ANT | 802.11ac VHT80 CH106 5530MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 VERTICAL</p> |



| | | |
|----------------------|---|---|
| WIFI | Band 3 5470~5725MHz Harmonic @ 3m | |
| ANT | 802.11ac VHT80 CH122 5610MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 91200_002360_1091103 VERTICAL</p> |



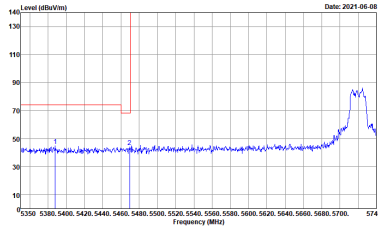
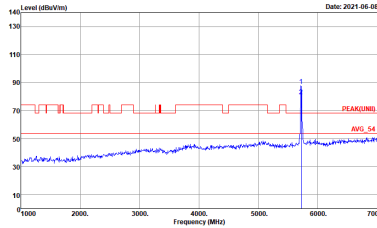
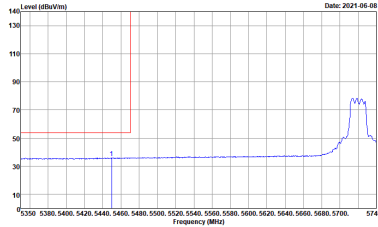
Band 3 - Straddle Channel
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|-------------|--|---|
| ANT | 802.11a CH144 5720MHz - L | |
| 0+1 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH20-HY Condition : STRADDLES U-NII-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | <p>Site : 03CH20-HY Condition : PEAK(UMB) 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH20-HY Condition : U-NII-1A2A AVERAGE 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p> | <p>Left blank</p> |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH144 5720MHz - R | |
| 0+1 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH20-HV Condition : STRADDLES U-NET-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |



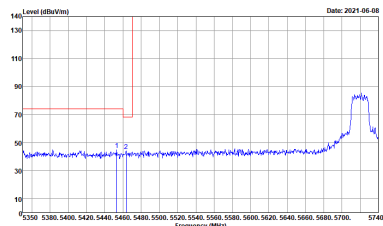
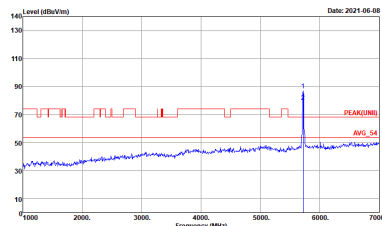
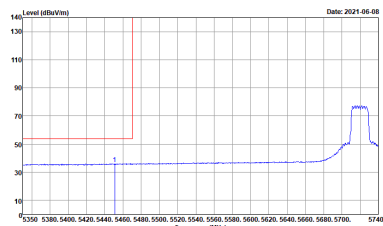
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11a CH144 5720MHz - L | |
| 0+1 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH20-HY Condition : STRADDLES U-NII-1&2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH20-HY Condition : PEAK(U-NII) 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH20-HY Condition : U-NII-1&2A AVERAGE 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



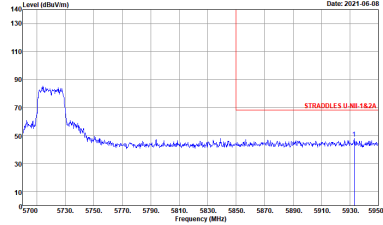
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11a CH144 5720MHz - R | |
| 0+1 | Vertical | Fundamental |
| Peak | <p>Site : 03CF20-HV Condition : STRADDLES U-NET-1A2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto</p> | Left blank |



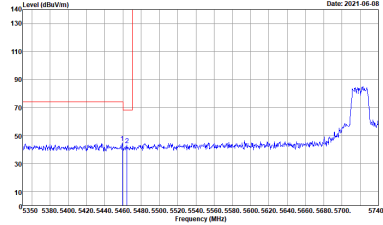
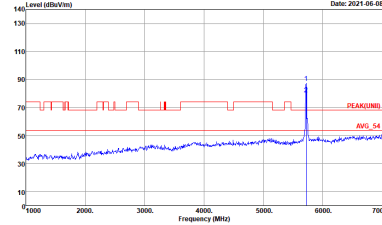
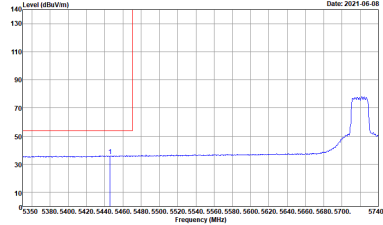
**Band 3 – Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11n CH144 5720MHz - L | |
| 0+1 | Horizontal | Fundamental |
| Peak |  <p>Site Condition : 03CH20-HY : 5 STRADDLES U-NII-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site Condition : 03CH20-HY : PEAK(U-NII) 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site Condition : 03CH20-HY : U-NII-1A2A AVERAGE 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



| | | |
|-------------|--|--------------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11n CH144 5720MHz - R | |
| 0+1 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH20-HV Condition : STRADDLES U-NET-1A2A 3m 91200_002360_1091103 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |



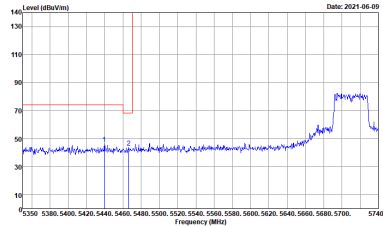
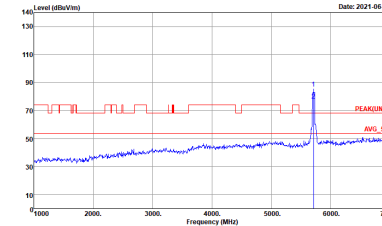
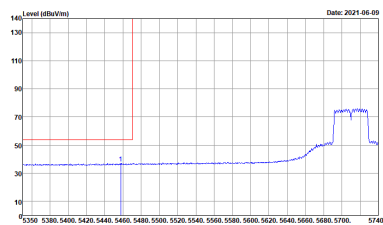
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11n CH144 5720MHz - L | |
| 0+1 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH20-HY Condition : STRADDLES U-NII-1&2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH20-HY Condition : PEAK(U-NII) 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH20-HY Condition : U-NII-1&2A AVERAGE 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p> | Left blank |



| | | |
|-------------|--|--------------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11n CH144 5720MHz - R | |
| 0+1 | Vertical | Fundamental |
| Peak | <p>Site : 03CF20-44V Condition : STRADOLLES U-NET-1A2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto</p> | Left blank |



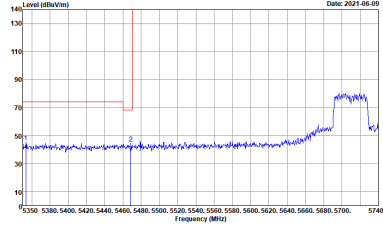
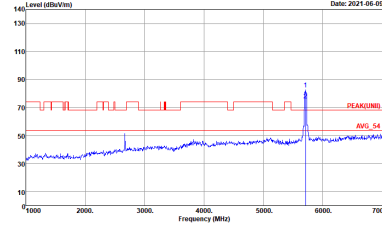
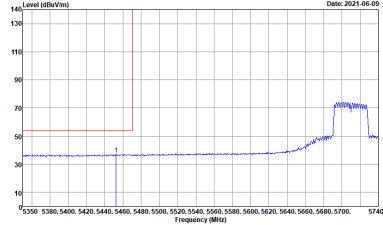
**Band 3 – Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|-------------|---|--|
| ANT | 802.11n CH142 5710MHz - L | |
| 0+1 | Horizontal | Fundamental |
| Peak |  <p>Site : 03CH20-HY Condition : 5 STRADLES U-NII-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH20-HY Condition : PEAK(U-NII) 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH20-HY Condition : U-NII-1A2A AVERAGE 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11n CH142 5710MHz - R | |
| 0+1 | Horizontal | Fundamental |
| Peak | <p>Site : 03CH20-HV Condition : STRADDLES U-NET-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |



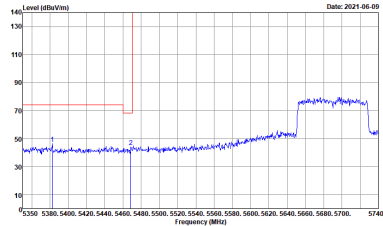
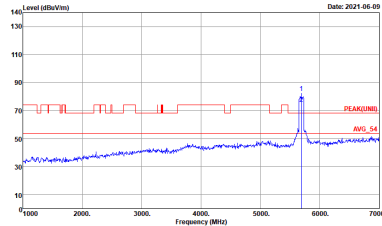
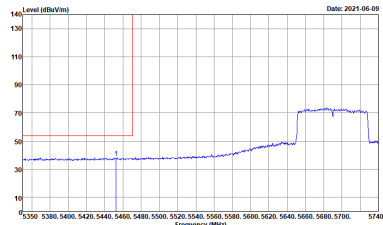
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|--|
| ANT | 802.11n CH142 5710MHz - L | |
| 0+1 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH20-HY Condition : STRADDLES U-NII-1&2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH20-HY Condition : PEAK(U-NII) 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH20-HY Condition : U-NII-1&2A AVERAGE 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto</p> | Left blank |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|---|-------------|
| ANT | 802.11n CH142 5710MHz - R | |
| 0+1 | Vertical | Fundamental |
| Peak | <p>Site : 03CF20-44V Condition : STRADDLES U-NET-1A2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SWT:Auto</p> | Left blank |



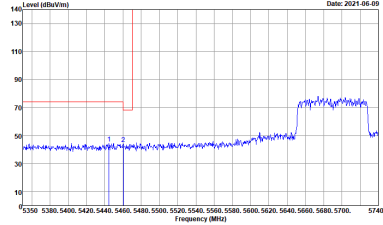
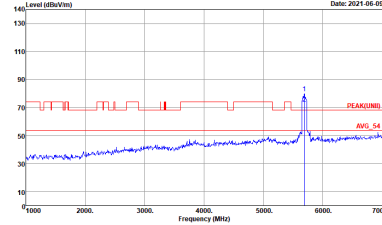
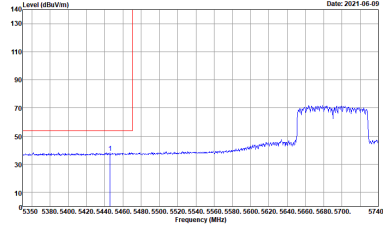
Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|-----------------------------------|---|--|
| ANT | 802.11ac VHT80 CH138 5690MHz - L | |
| 0+1 | Horizontal | Fundamental |
| <p align="center">Peak</p> |  <p>Site : 03CH20-HY Condition : STRADDES U-NII-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH20-HY Condition : PEAK(U-NII) 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| <p align="center">Avg.</p> |  <p>Site : 03CH20-HY Condition : U-NII-1A2A AVERAGE 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p> | <p align="center">Left blank</p> |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|-------------|
| ANT | 802.11ac VHT80 CH138 5690MHz - R | |
| 0+1 | Horizontal | Fundamental |
| Peak | <p>Site : 03CQ20-HV Condition : STRAIDOLE S(U) NI-1A2A 3m 91200_002360_1091103 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank |



| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
|------|--|---|
| ANT | 802.11ac VHT80 CH138 5690MHz - L | |
| 0+1 | Vertical | Fundamental |
| Peak |  <p>Site : 03CH20-HY Condition : STRADDLES U-NII-1&2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH20-HY Condition : PEAK(UM) 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH20-HY Condition : U-NII-1&2A AVERAGE 3m 91200_002360_1091103 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p> | Left blank |



| | | |
|-------------|--|--------------------|
| WIFI | Band 3 Straddle Channel Band Edge @ 3m | |
| ANT | 802.11ac VHT80 CH138 5690MHz - R | |
| 0+1 | Vertical | Fundamental |
| Peak | <p>Site : 03CF20-HV Condition : STRADOLEE U-NET-1A2A 3m 91200_002360_1091103 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p> | Left blank |



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
|----------------------------|---|---|
| ANT | 802.11a CH144 5720MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK(UNII) 3m 9120D_002360_1091103 VERTICAL</p> |



Band 3 – Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
|----------------------|---|---|
| ANT | 802.11n HT20 CH144 5720MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK[UNII] 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK[UNII] 3m 91200_002360_1091103 VERTICAL</p> |



Band 3 – Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
|----------------------------|---|---|
| ANT | 802.11n HT40 CH142 5710MHz | |
| 0+1 | Horizontal | Vertical |
| Peak Avg. | <p>Site : 03CH20-HY Condition : PEAK[UNII] 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAK[UNII] 3m 91200_002360_1091103 VERTICAL</p> |



Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI | Band 3 Straddle Channel Harmonic @ 3m | |
|---------------------------------------|---|---|
| ANT | 802.11ac VHT80 CH138 5690MHz | |
| 0+1 | Horizontal | Vertical |
| <p>Peak</p> <p>Avg.</p> | <p>Site : 03CH20-HY Condition : PEAKUNII] 3m 91200_002360_1091103 HORIZONTAL</p> | <p>Site : 03CH20-HY Condition : PEAKUNII] 3m 91200_002360_1091103 VERTICAL</p> |

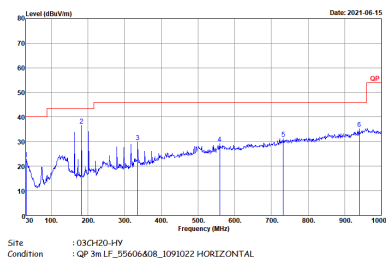
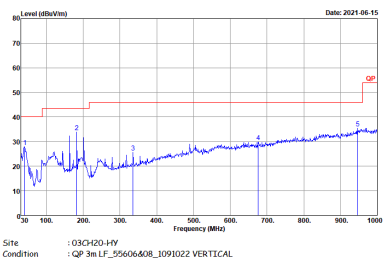


Emission above 18GHz
5GHz WIFI 802.11n HT40 (SHF)

| WIFI | 5GHz WIFI | |
|------|--|--|
| ANT | 802.11n HT40 Super High Frequency (SHF) | |
| 0+1 | Horizontal | Vertical |
| Peak | <p>Horizontal spectrum plot showing Level (dBuV/m) vs Frequency (MHz). The plot includes a red line for the signal level and a blue line for the noise floor. A peak is identified at 3800 MHz. The site is 03CH20-HY and the condition is PEAK(UNII) 1m SHF_BBHA917000993 HORIZONTAL.</p> | <p>Vertical spectrum plot showing Level (dBuV/m) vs Frequency (MHz). The plot includes a red line for the signal level and a blue line for the noise floor. A peak is identified at 3800 MHz. The site is 03CH20-HY and the condition is PEAK(UNII) 1m SHF_BBHA917000993 VERTICAL.</p> |



Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

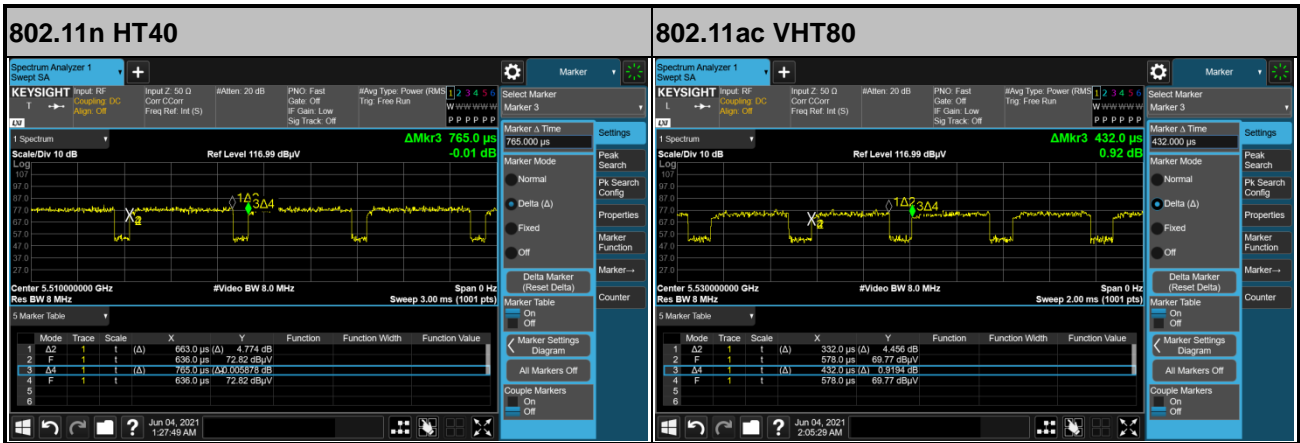
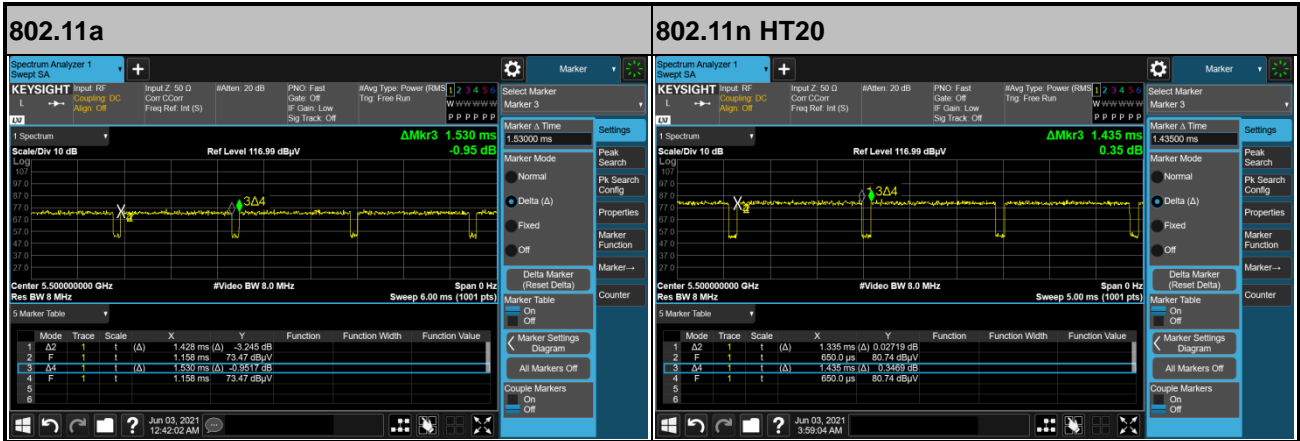
| WIFI | 5GHz WIFI | |
|--------------|--|---|
| ANT | 802.11n HT40 LF | |
| 0+1 | Horizontal | Vertical |
| QP / Peak |  <p>Site : 03CH20-HY Condition : QP 3m LF_55606608_1091022 HORIZONTAL</p> |  <p>Site : 03CH20-HY Condition : QP 3m LF_55606608_1091022 VERTICAL</p> |

**Appendix F. Duty Cycle Plots**

| Antenna | Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---------|---------------------|---------------|-------|----------|-------------|
| 0 | 802.11a | 93.33 | 1428 | 0.70 | 1kHz |
| 0 | 5GHz 802.11n HT20 | 93.03 | 1335 | 0.75 | 1kHz |
| 0 | 5GHz 802.11n HT40 | 86.67 | 663 | 1.51 | 3kHz |
| 0 | 5GHz 802.11ac VHT80 | 76.85 | 332 | 3.01 | 10kHz |
| 1 | 802.11a | 93.44 | 1425 | 0.70 | 1kHz |
| 1 | 5GHz 802.11n HT20 | 93.10 | 1336 | 0.75 | 1kHz |
| 1 | 5GHz 802.11n HT40 | 87.06 | 666 | 1.50 | 3kHz |
| 1 | 5GHz 802.11ac VHT80 | 76.85 | 332 | 3.01 | 10kHz |
| 0+1 | 802.11a | 93.46 | 1430 | 0.70 | 1kHz |
| 0+1 | 5GHz 802.11n HT20 | 92.68 | 1330 | 0.75 | 1kHz |
| 0+1 | 5GHz 802.11n HT40 | 86.67 | 663 | 1.51 | 3kHz |
| 0+1 | 5GHz 802.11ac VHT80 | 76.85 | 332 | 3.01 | 10kHz |

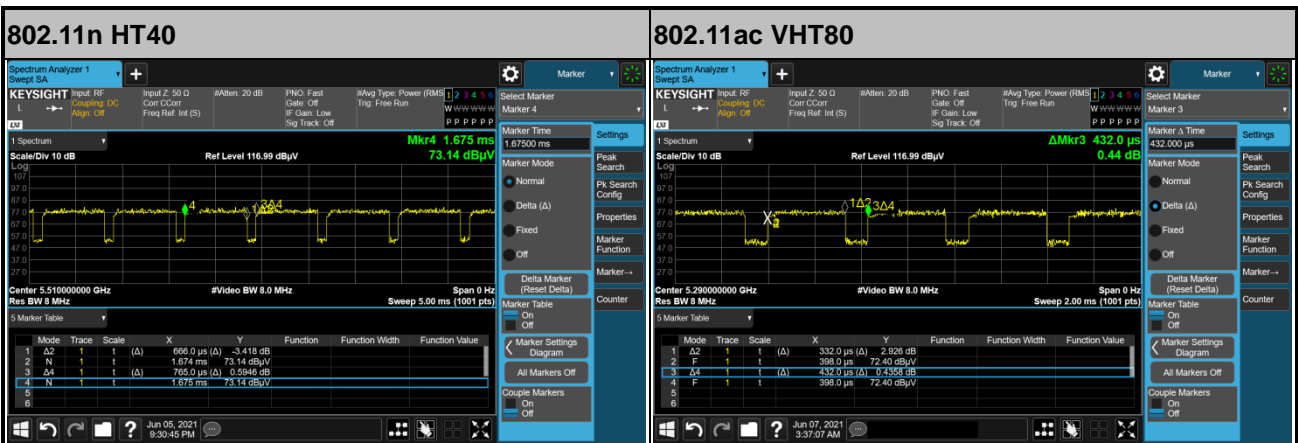
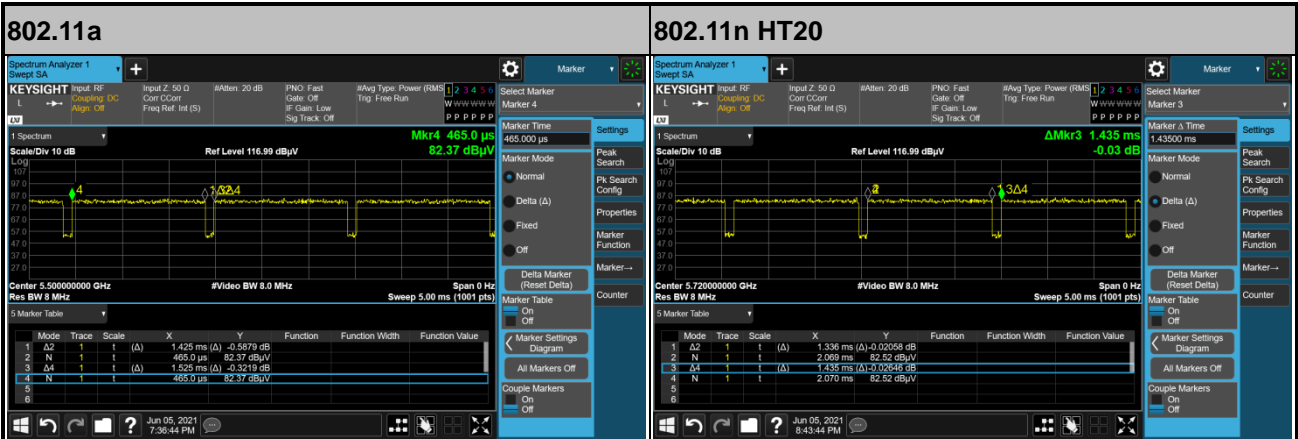


<Ant. 0>



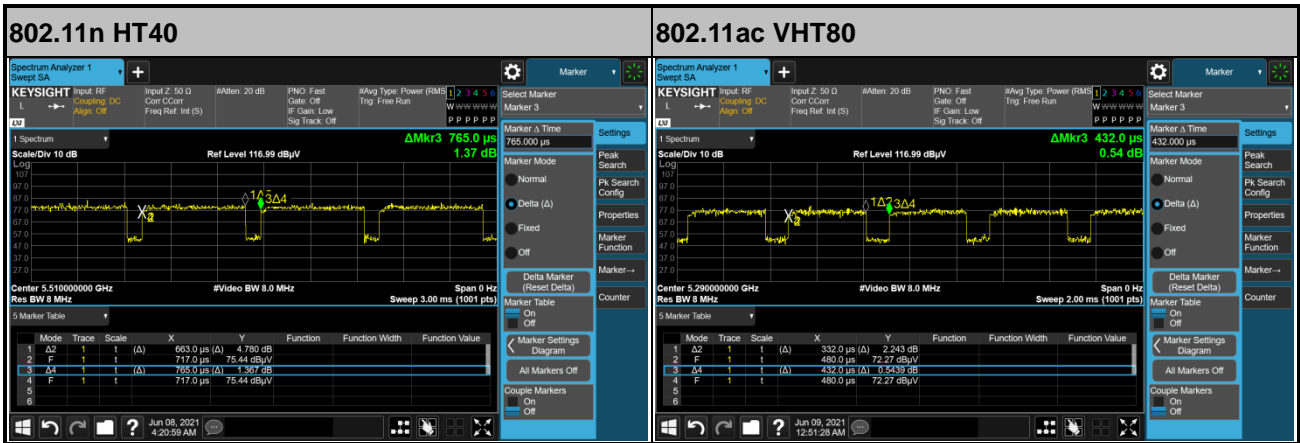
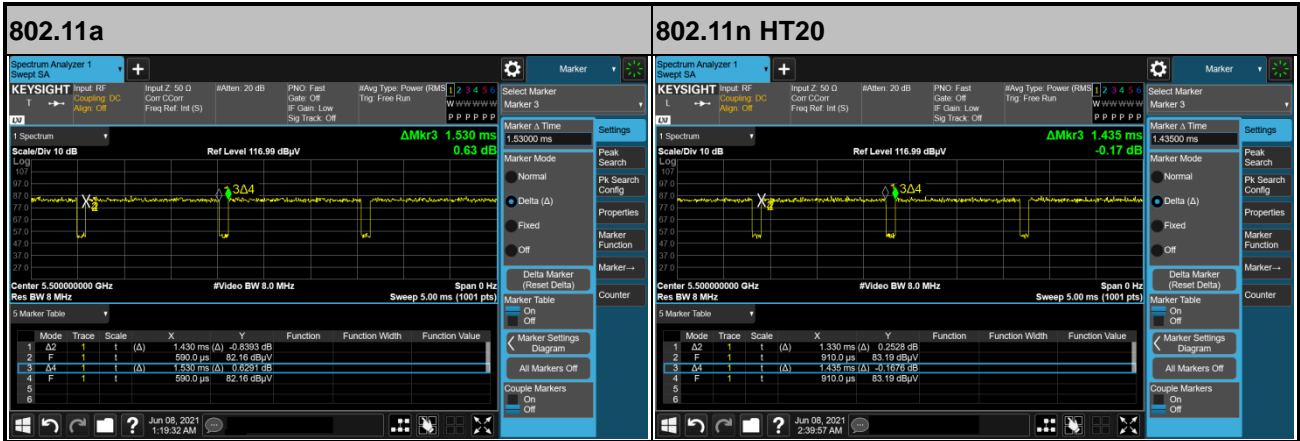


<Ant. 1>





MIMO <Ant. 0+1>



—THE END—