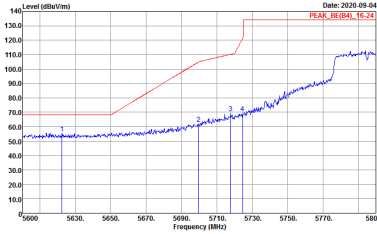
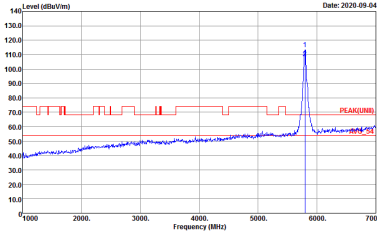
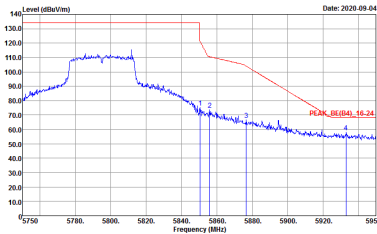
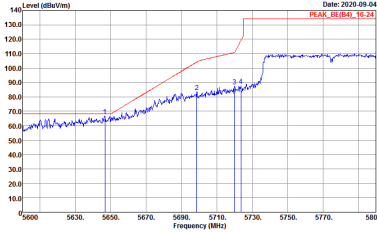
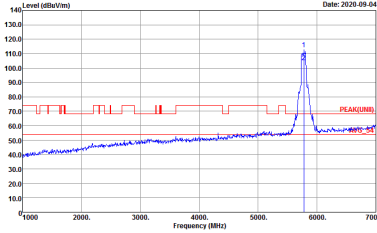
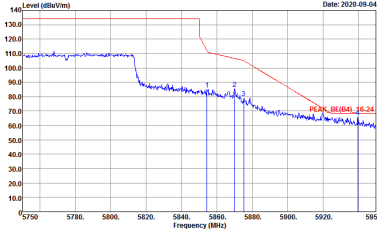




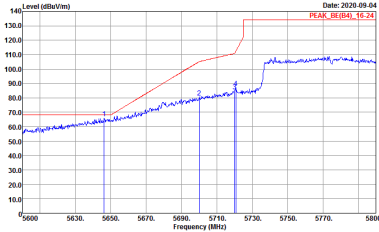
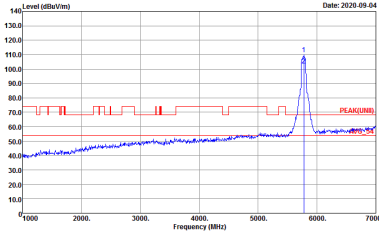
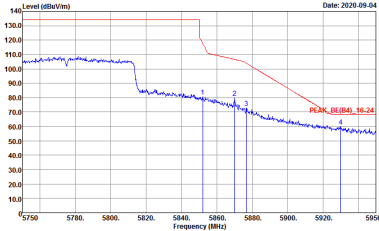
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 072944</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 072944</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 072944</p> | Left blank                                                                                                                                                                                                                                         |



Band 4 5725~5850MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                         |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 072944<br/>Setting : 18.5</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 072944<br/>Setting : 18.5</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 072944<br/>Setting : 18.5</p> | Left blank                                                                                                                                                                                                                                                              |

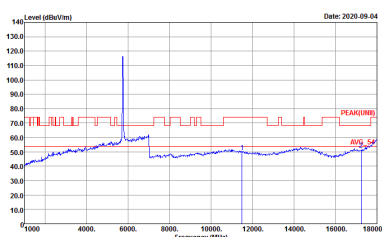
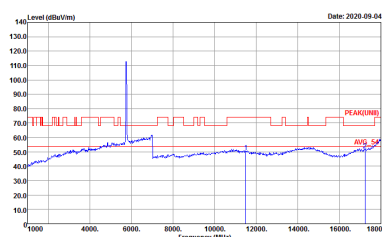


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                 |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Peak<br/>Project : 072944<br/>Setting : 18.5</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Peak<br/>Project : 072944<br/>Setting : 18.5</p></div> |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Peak<br/>Project : 072944<br/>Setting : 18.5</p></div> | Left blank                                                                                                                                                                                                                                                                      |

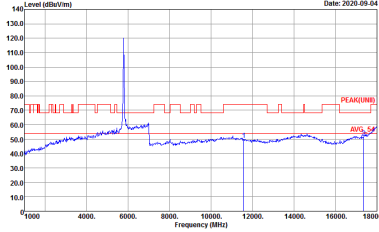
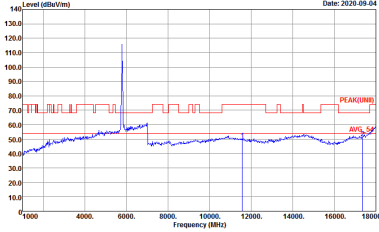


## Band 4 - 5725~5850MHz

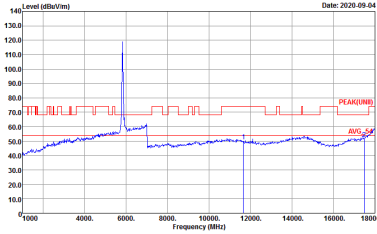
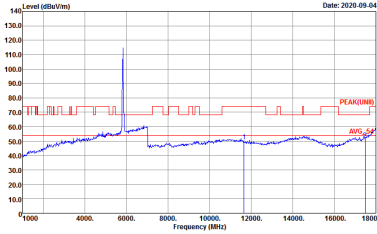
## WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                           |                                                                                                                                                                                                       |
| 1+2          | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 072944</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 072944</p> |

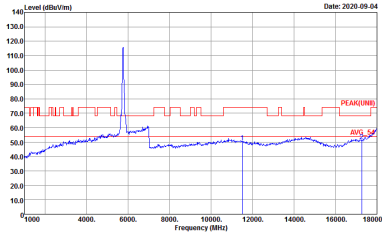
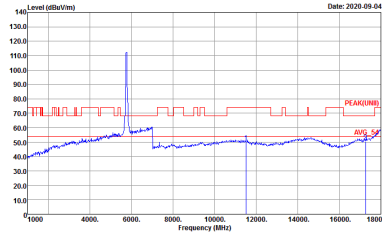


|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
| ANT          | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 072944</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 072944</p></div> |

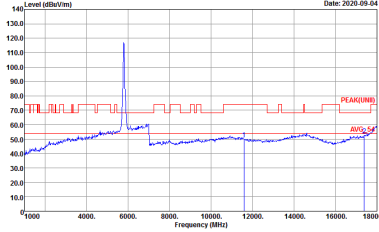
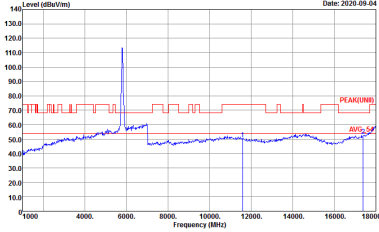


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 072944</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 072944</p></div> |

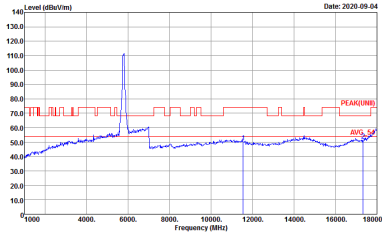
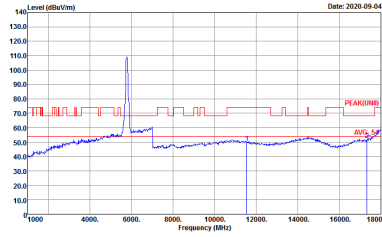
**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                              |                                                                                                                                                                                                          |
| 1+2                            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 072944</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 072944</p> |



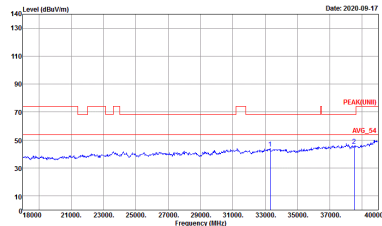
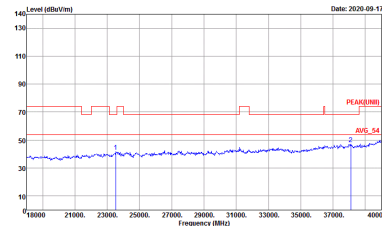
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 072944</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 072944</p></div> |

**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                              |                                                                                                                                                                                                          |
| 1+2                            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 072944</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 072944</p> |

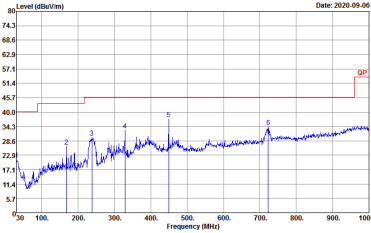
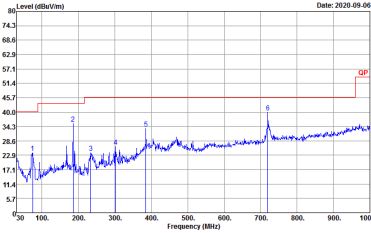


Emission above 18GHz  
5GHz WIFI 802.11ac VHT80 (SHF)

| WIFI         | 5GHz WIFI                                                                                                                                                                                                        |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 SHF                                                                                                                                                                                               |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| QP /<br>Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) In SHF HORN BBH49170584 HORIZONTAL<br/>Detector : Peak<br/>Project : 072944</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) In SHF HORN BBH49170584 VERTICAL<br/>Detector : Peak<br/>Project : 072944</p> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |



**Emission below 1GHz**  
**5GHz WIFI 802.11ac VHT80 (LF)**

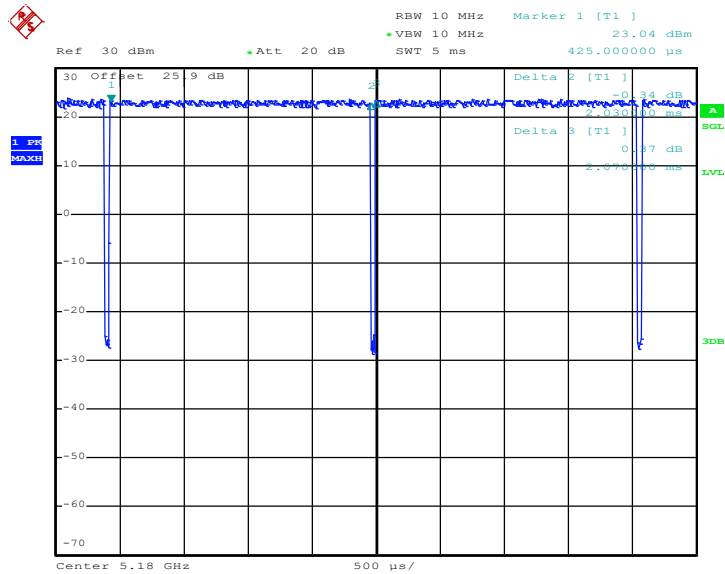
| WIFI                 | 5GHz WIFI                                                                                                                                                                                          |                                                                                                                                                                                                   |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                                                                  |                                                                                                                                                                                                   |
| 1+2                  | Horizontal                                                                                                                                                                                         | Vertical                                                                                                                                                                                          |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m BTL06_47020406 HORIZONTAL<br/>Detector : Peak<br/>Project : 072944</p> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m BTL06_47020406 VERTICAL<br/>Detector : Peak<br/>Project : 072944</p> |
|                      |                                                                                                                                                                                                    |                                                                                                                                                                                                   |

## Appendix D. Duty Cycle Plots

| Antenna | Band                          | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|-------------------------------|---------------|-------|----------|-------------|-----------------|
| 1       | 802.11a                       | 98.07         | -     | -        | 10Hz        | 0.08            |
| 2       | 802.11a                       | 98.01         | -     | -        | 10Hz        | 0.09            |
| 1+2     | 802.11a for Ant. 1            | 98.11         | -     | -        | 10Hz        | 0.08            |
| 1+2     | 802.11a for Ant. 2            | 98.35         | -     | -        | 10Hz        | 0.07            |
| 1       | 5GHz 802.11n VHT20            | 98.21         | -     | -        | 10Hz        | 0.08            |
| 2       | 5GHz 802.11n VHT20            | 98.21         | -     | -        | 10Hz        | 0.08            |
| 1+2     | 5GHz 802.11n VHT20 for Ant. 1 | 97.98         | 1910  | 0.52     | 1kHz        | 0.09            |
| 1+2     | 5GHz 802.11n VHT20 for Ant. 2 | 98.20         | -     | -        | 10Hz        | 0.08            |
| 1       | 5GHz 802.11n VHT40            | 96.43         | 925   | 1.08     | 3kHz        | 0.16            |
| 2       | 5GHz 802.11n VHT40            | 96.43         | 945   | 1.06     | 3kHz        | 0.16            |
| 1+2     | 5GHz 802.11n VHT40 for Ant. 1 | 96.41         | 940   | 1.06     | 3kHz        | 0.16            |
| 1+2     | 5GHz 802.11n VHT40 for Ant. 2 | 96.41         | 940   | 1.06     | 3kHz        | 0.16            |
| 1       | 5GHz 802.11n VHT80            | 91.87         | 452   | 2.21     | 3kHz        | 0.37            |
| 2       | 5GHz 802.11n VHT80            | 91.87         | 452   | 2.21     | 3kHz        | 0.37            |
| 1+2     | 5GHz 802.11n VHT80 for Ant. 1 | 91.87         | 452   | 2.21     | 3kHz        | 0.37            |
| 1+2     | 5GHz 802.11n VHT80 for Ant. 2 | 91.94         | 456   | 2.19     | 3kHz        | 0.36            |

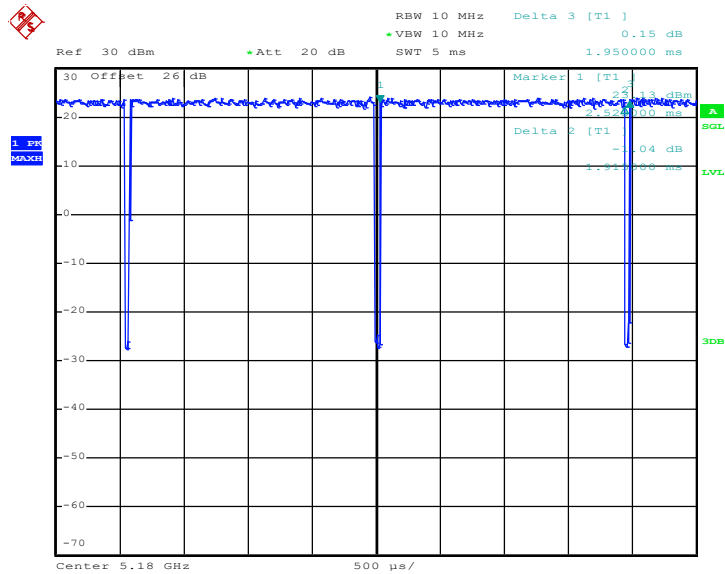
<Ant. 1>

## 802.11a



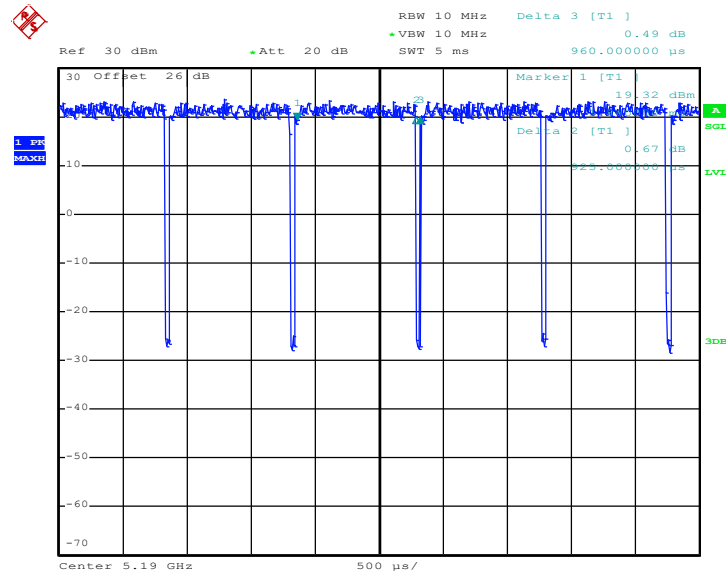
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## 802.11ac VHT20



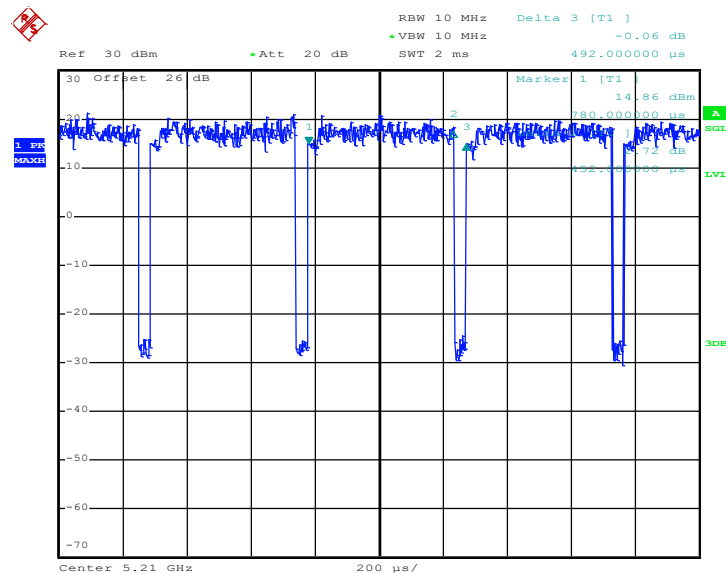
Date: 19.AUG.2020 11:48:38

## 802.11ac VHT40



Date: 19.AUG.2020 11:56:12

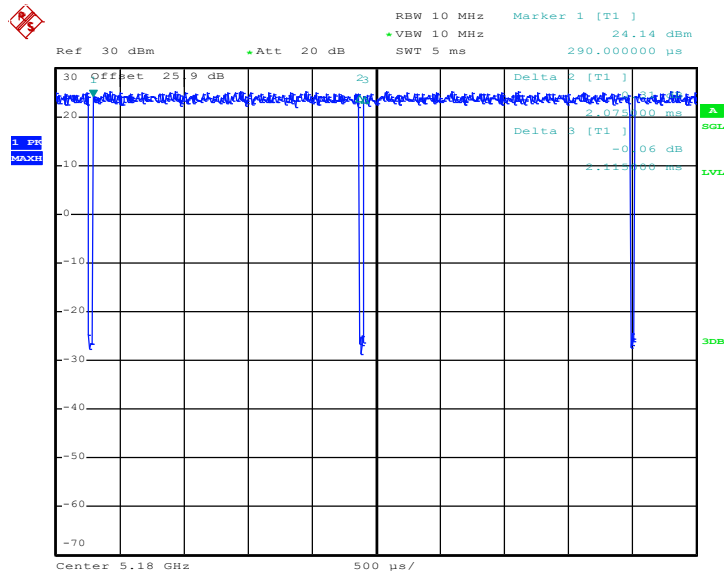
## 802.11ac VHT80



Date: 19.AUG.2020 12:00:34

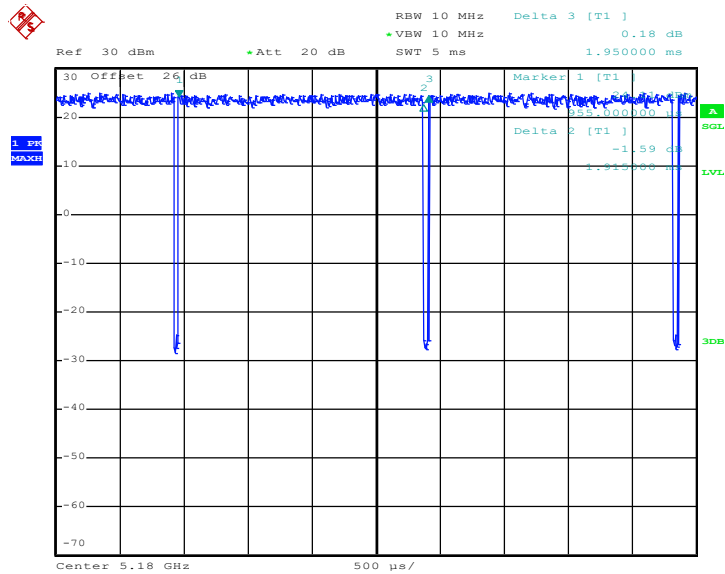
<Ant. 2>

## 802.11a



Date: 18.AUG.2020 01:15:42

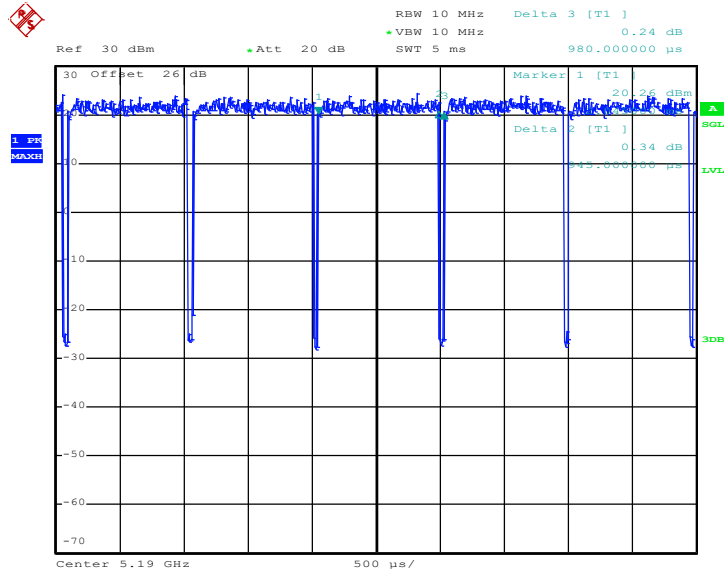
## 802.11ac VHT20



Date: 19.AUG.2020 11:49:28

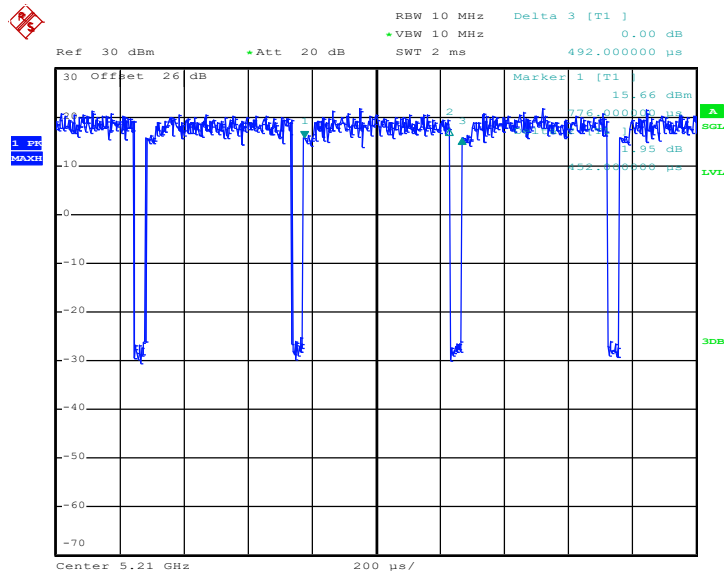


802.11ac VHT40

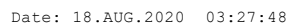


Date: 19.AUG.2020 11:57:01

802.11ac VHT80

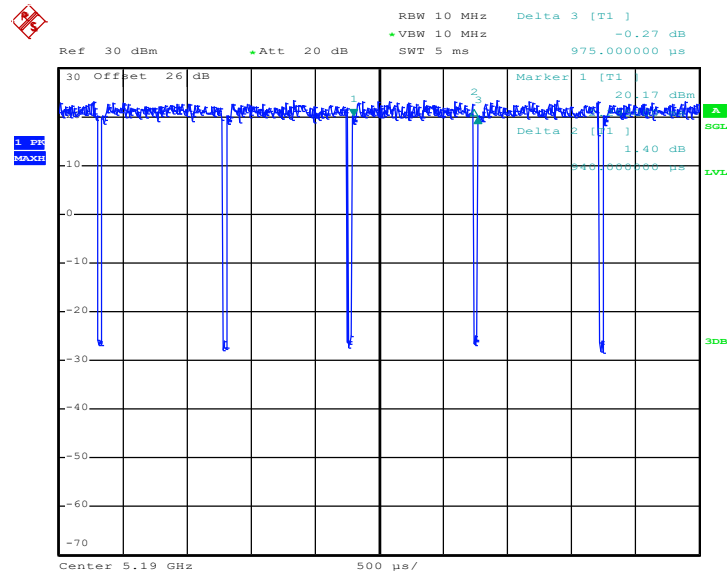


Date: 19.AUG.2020 12:01:43



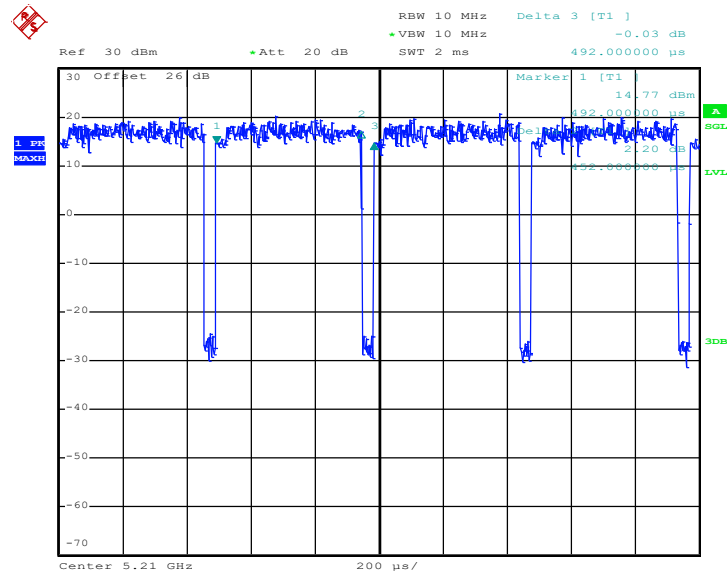


802.11ac VHT40



Date: 19.AUG.2020 11:54:07

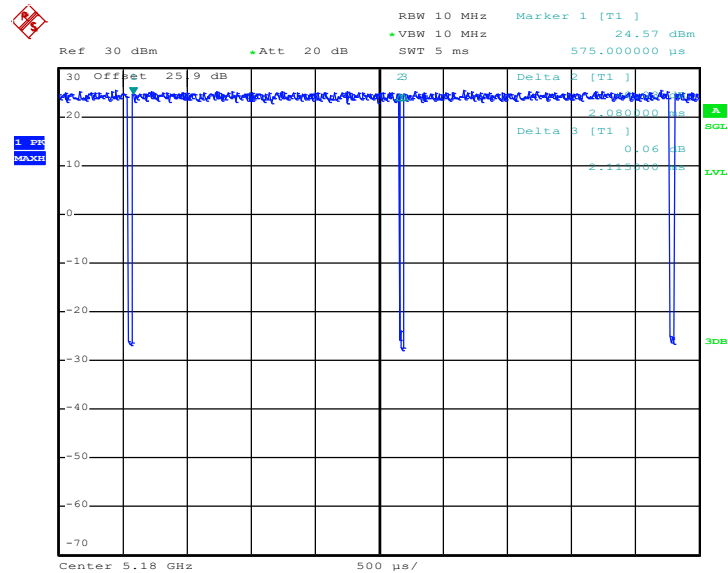
802.11ac VHT80



Date: 19.AUG.2020 12:03:08

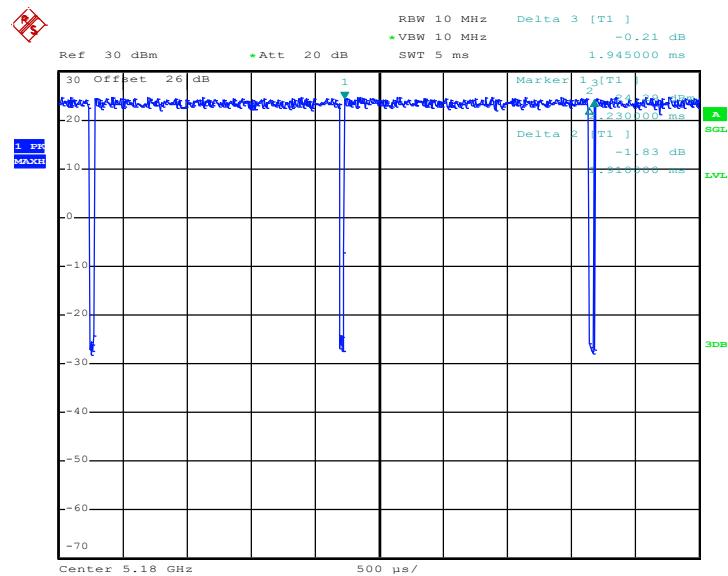
MIMO <Ant. 2>

## 802.11a



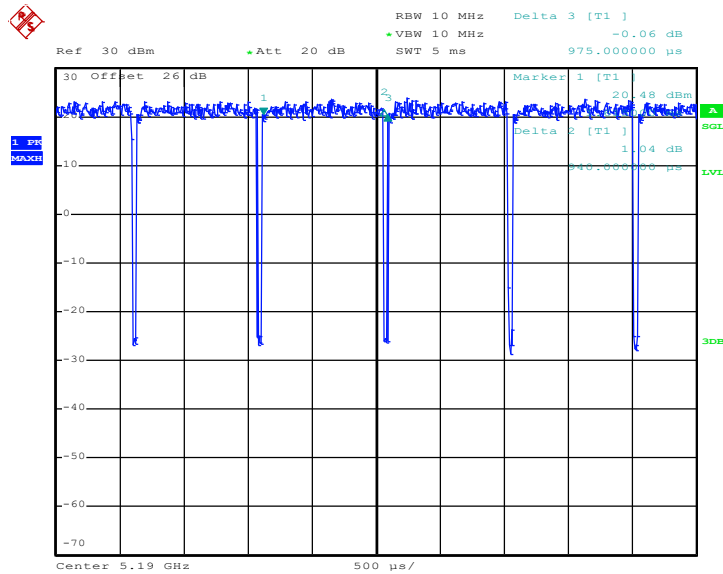
Date: 18.AUG.2020 03:32:06

## 802.11ac VHT20



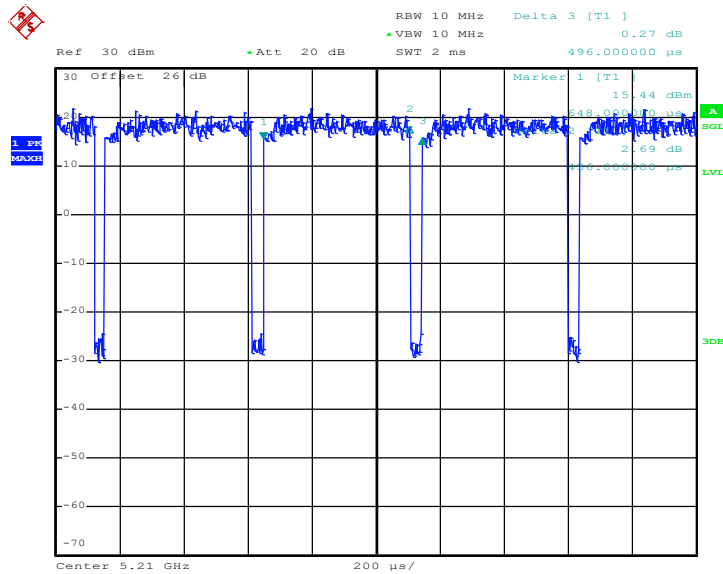
Date: 19.AUG.2020 11:52:59

## 802.11ac VHT40



Date: 19.AUG.2020 11:55:08

## 802.11ac VHT80



Date: 19.AUG.2020 12:04:08