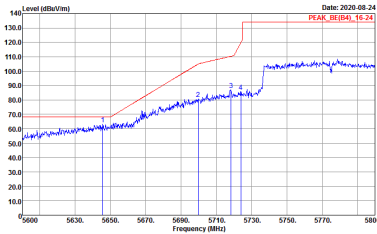
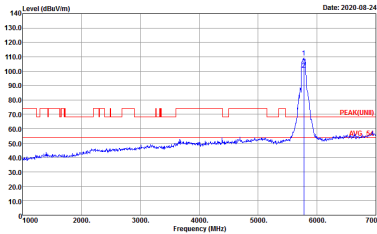
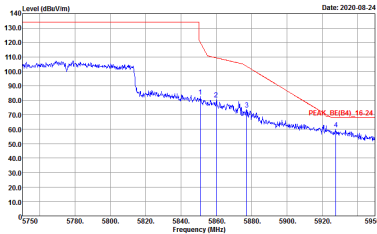
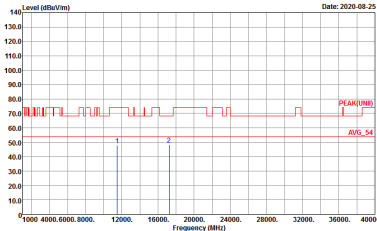
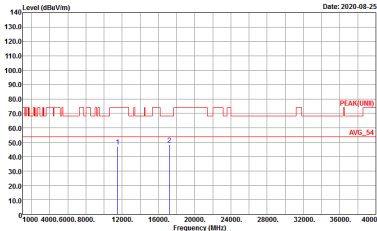




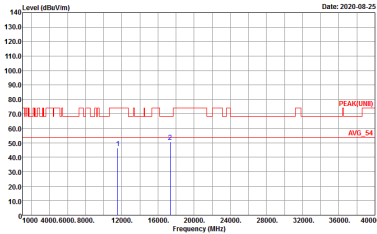
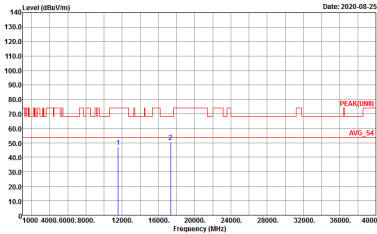
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                     |                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                           |                                                                                                                                                                                                                    |
| 0+1  | Vertical                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>   |  <p>Site : 03CH13-HY<br/>Condition : PEAK(B4)_16-24 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
|      |  <p>Site : 03CH13-HY<br/>Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | Left blank                                                                                                                                                                                                         |



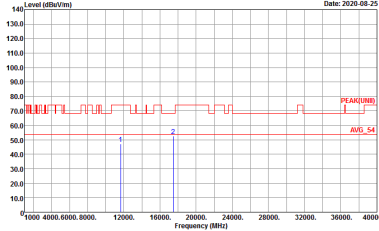
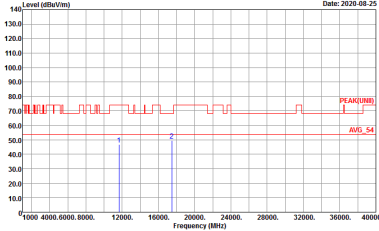
**Band 4 - 5725~5850MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                            |                                                                                                                                                                             |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                 |                                                                                                                                                                             |
| 0+1          | Horizontal                                                                                                                                                                   | Vertical                                                                                                                                                                    |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL</p></div> |



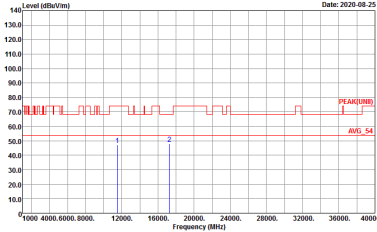
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                  |                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH157 5785MHz                                                                                                                                       |                                                                                                                                                                   |
| 0+1          | Horizontal                                                                                                                                                         | Vertical                                                                                                                                                          |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL</p> |
|              |                                                                                                                                                                    |                                                                                                                                                                   |



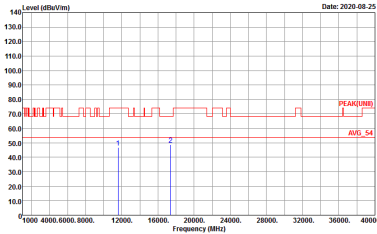
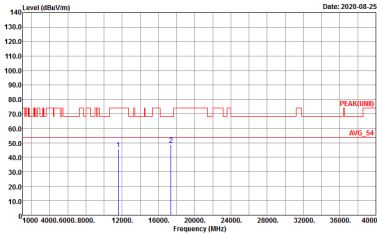
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                  |                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                       |                                                                                                                                                                   |
| 0+1          | Horizontal                                                                                                                                                         | Vertical                                                                                                                                                          |
| Peak<br>Avg. |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL</p> |  <p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL</p> |
|              |                                                                                                                                                                    |                                                                                                                                                                   |



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

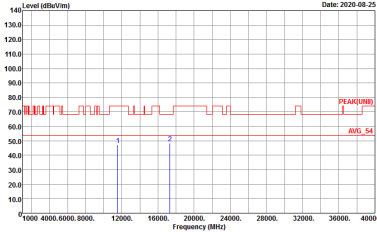
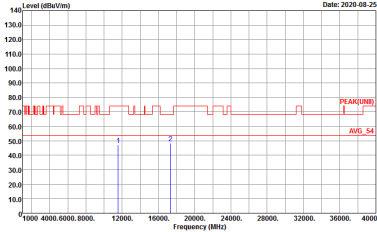
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                   |                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH151 5755MHz                                                                                                                                        |                                                                                                                                                                    |
| 0+1          | Horizontal                                                                                                                                                          | Vertical                                                                                                                                                           |
| Peak<br>Avg. |  <p>Site : 03C413-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL</p> |  <p>Site : 03C413-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL</p> |



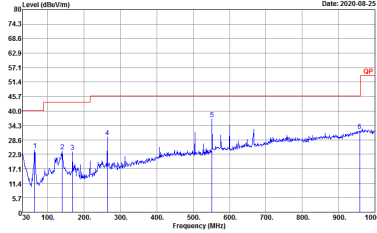
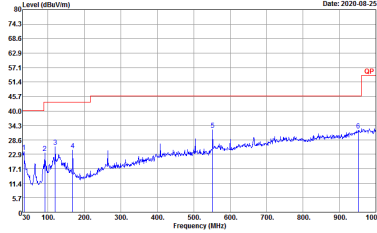
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                            |                                                                                                                                                                             |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                 |                                                                                                                                                                             |
| 0+1          | Horizontal                                                                                                                                                                   | Vertical                                                                                                                                                                    |
| Peak<br>Avg. | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL</p></div> | <div><p>Site : 03CH13-HY<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL</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                                                                                                                                        |                                                                                                                                                                    |
| 0+1                        | Horizontal                                                                                                                                                          | Vertical                                                                                                                                                           |
| <b>Peak</b><br><b>Avg.</b> |  <p>Site : 03C413-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL</p> |  <p>Site : 03C413-14Y<br/>Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL</p> |
|                            |                                                                                                                                                                     |                                                                                                                                                                    |

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

| WIFI                 | 5GHz 5725~5850MHz                                                                                                                                       |                                                                                                                                                        |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                       |                                                                                                                                                        |
| 0+1                  | Horizontal                                                                                                                                              | Vertical                                                                                                                                               |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH13-HY<br/> Condition : QP 3m BIL06_40103 HORIZONTAL</p> |  <p>Site : 03CH13-HY<br/> Condition : QP 3m BIL06_40103 VERTICAL</p> |
|                      |                                                                                                                                                         |                                                                                                                                                        |

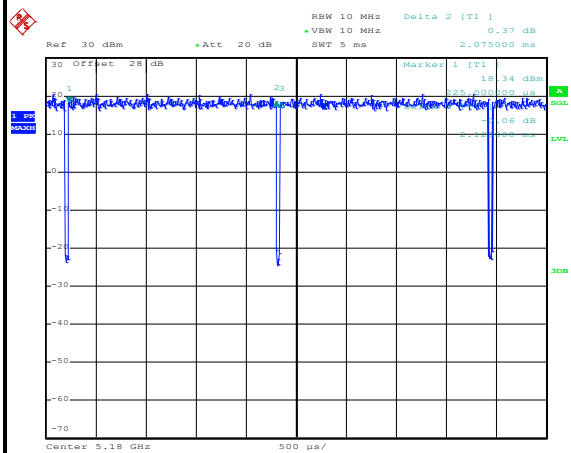
## Appendix D. Duty Cycle Plots

| Antenna | Band                           | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|--------------------------------|---------------|-------|----------|-------------|-----------------|
| 0       | 802.11a                        | 97.65         | 2075  | 0.48     | 1kHz        | 0.10            |
| 1       | 802.11a                        | 97.65         | 2075  | 0.48     | 1kHz        | 0.10            |
| 0+1     | 802.11a for Ant. 0             | 97.64         | 2065  | 0.48     | 1kHz        | 0.10            |
| 0+1     | 802.11a for Ant. 1             | 97.87         | 2070  | 0.48     | 1kHz        | 0.09            |
| 0       | 5GHz 802.11ac VHT20            | 97.98         | 1940  | 0.52     | 1kHz        | 0.09            |
| 1       | 5GHz 802.11ac VHT20            | 97.49         | 1940  | 0.52     | 1kHz        | 0.11            |
| 0+1     | 5GHz 802.11ac VHT20 for Ant. 0 | 97.73         | 1935  | 0.52     | 1kHz        | 0.10            |
| 0+1     | 5GHz 802.11ac VHT20 for Ant. 1 | 97.74         | 1945  | 0.51     | 1kHz        | 0.10            |
| 0       | 5GHz 802.11ac VHT40            | 95.98         | 955   | 1.05     | 3kHz        | 0.18            |
| 1       | 5GHz 802.11ac VHT40            | 95.48         | 950   | 1.05     | 3kHz        | 0.20            |
| 0+1     | 5GHz 802.11ac VHT40 for Ant. 0 | 95.48         | 951   | 1.05     | 3kHz        | 0.20            |
| 0+1     | 5GHz 802.11ac VHT40 for Ant. 1 | 95.77         | 951   | 1.05     | 3kHz        | 0.19            |
| 0       | 5GHz 802.11ac VHT80            | 92.00         | 460   | 2.17     | 3kHz        | 0.36            |
| 1       | 5GHz 802.11ac VHT80            | 92.00         | 460   | 2.17     | 3kHz        | 0.36            |
| 0+1     | 5GHz 802.11ac VHT80 for Ant. 0 | 92.00         | 460   | 2.17     | 3kHz        | 0.36            |
| 0+1     | 5GHz 802.11ac VHT80 for Ant. 1 | 92.80         | 464   | 2.16     | 3kHz        | 0.32            |



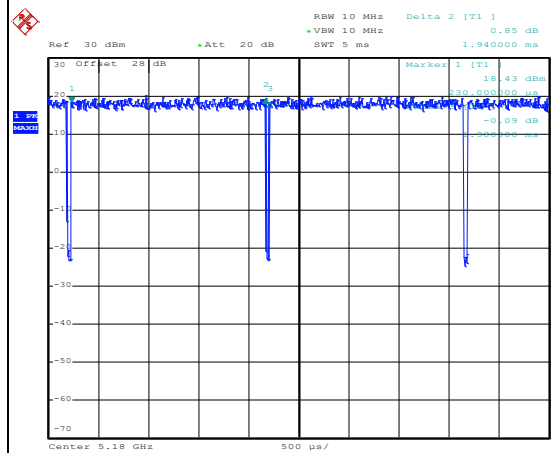
&lt;Ant. 0&gt;

## 802.11a



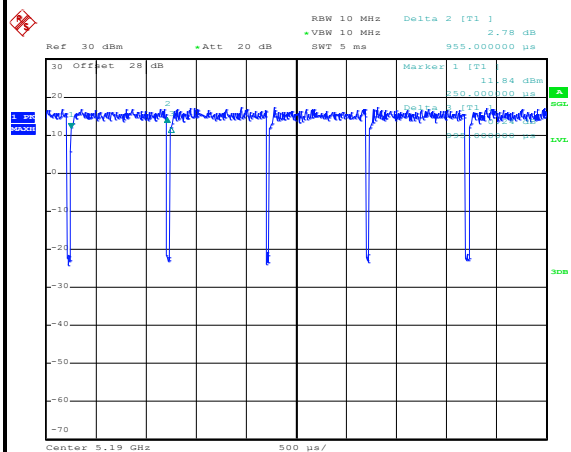
Date: 6.AUG.2020 19:20:07

## 802.11n VHT20



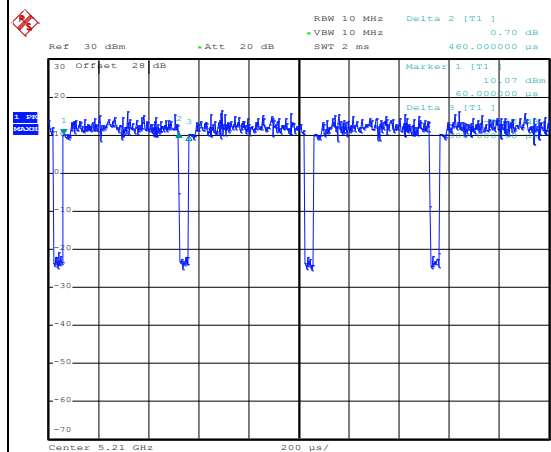
Date: 6.AUG.2020 19:13:39

## 802.11n VHT40



Date: 6.AUG.2020 19:14:56

## 802.11ac VHT80



Date: 6.AUG.2020 19:16:03



RBW 10 MHz Delta 2 [T1] -1.83 dB  
 VBW 10 MHz SWT 5 ms 2.075000 ms

Ref 30 dBm Att 20 dB

Marker 1 [T1] 18.52 dBm  
 335.000000 us -1.33 dB  
 2.155000 us

Center 5.18 GHz 500 us/

Ref 30 dBm \*Att 20 dB SWT 5 ms Delta 2 [T1] 0.98 dB 1.940000 ms

30 OFFset 28 dB

Marker 1 [T1] 18.43 dBm 65.000000 us 0.27 dB 1.000000 ms

Center 5.18 GHz 500 μs

RBW 10 MHz Delta 2 [T1] 4.55 dB  
 VSW 10 MHz  
 SWT 5 ms 550.000000 μs

Ref 30 dBm \*Att 20 dB

30 Off Set 28 dB

Marker 1 [T1] 12 45 dBm  
 550.000000 μs

Center 5.19 GHz 500 μs

VNA MAGN

RBW 10 MHz Delta 2 [T1] 1.92 dB  
VSW 10 MHz  
SWF 2 ms 462.000000 μs

Ref 30 dBm +Att 20 dB

30 Offset 28 dB

Marker 1 [T1] 9.80 dBm 72.000000 μs  
Delta 2 [T2] 1.92 dB 72.000000 μs  
Delta 3 [T3] 1.92 dB 72.000000 μs

L 1.92 dBm

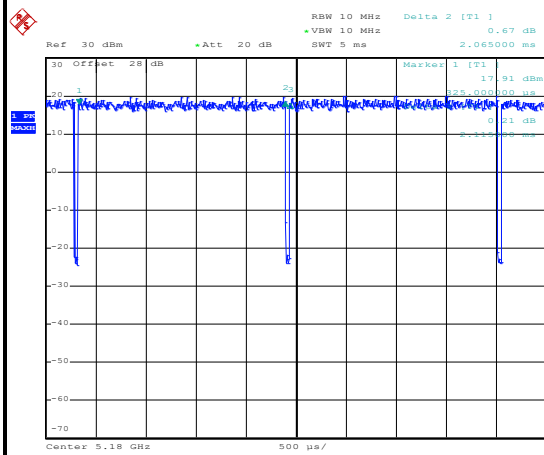
Center 5.21 GHz 200 μs

Page Number : D3 of D5



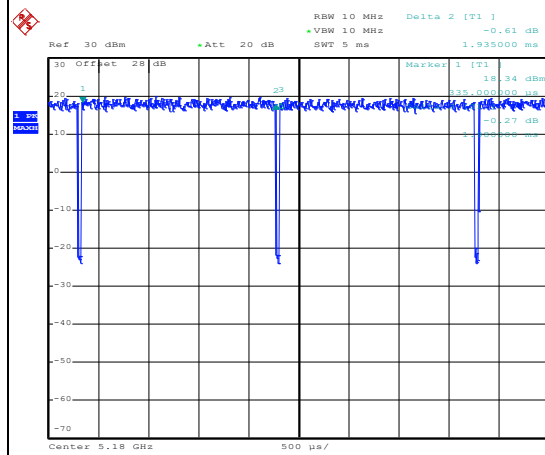
## MIMO &lt;Ant. 0&gt;

## 802.11a



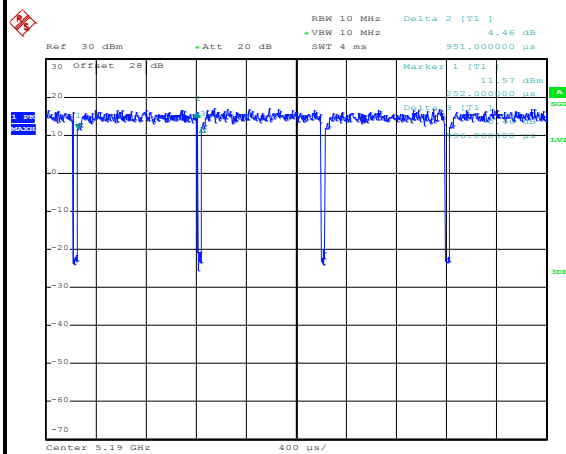
Date: 6.AUG.2020 18:24:01

## 802.11ac VHT20



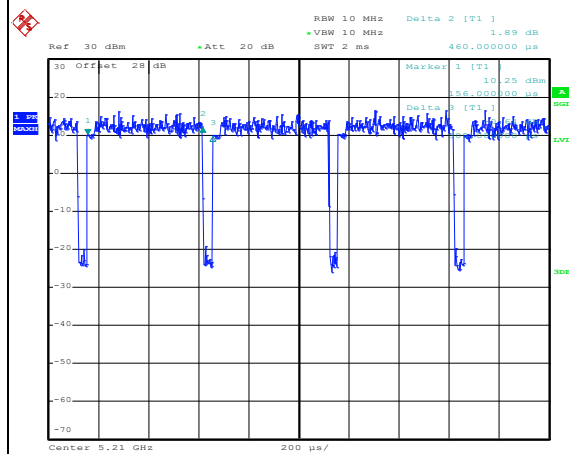
Date: 6.AUG.2020 18:37:03

## 802.11ac VHT40



Date: 6.AUG.2020 18:39:45

## 802.11ac VHT80

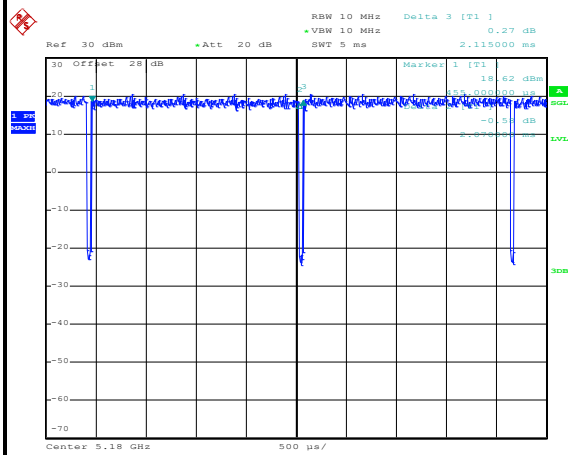


Date: 6.AUG.2020 19:03:53



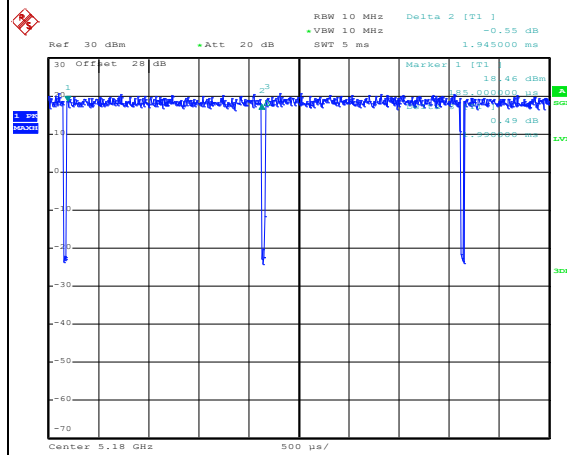
## MIMO &lt;Ant. 1&gt;

## 802.11a



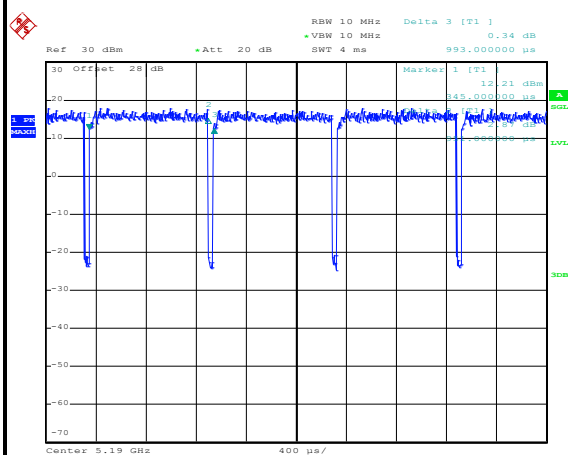
Date: 6.AUG.2020 18:26:17

## 802.11n VHT20



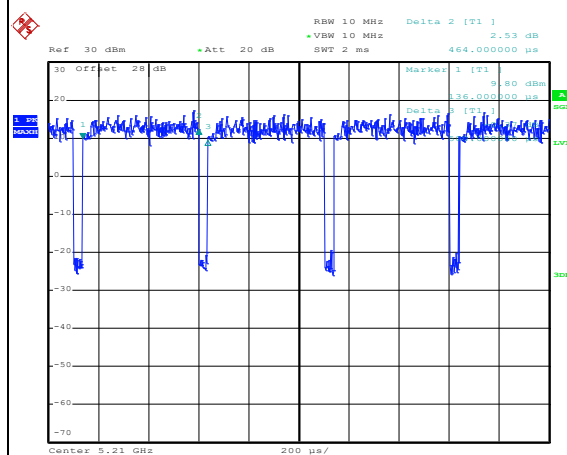
Date: 6.AUG.2020 18:38:02

## 802.11n VHT40



Date: 6.AUG.2020 19:02:09

## 802.11ac VHT80



Date: 6.AUG.2020 19:04:53