

802.11ax HEW20_Nss4,(MCS0)_4TX

MASK

6855MHz_TnomVnom

19/01/2021

CF Freq
6.855GHz

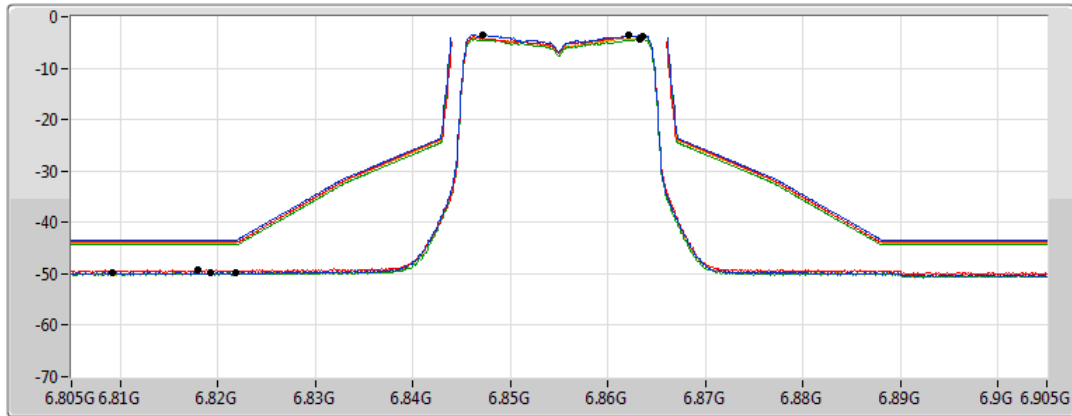
Span
100MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.84711G | -3.57 | 6.8092G | -49.71 | -43.57 | -6.14 | 1 |
| 6.86209G | -3.68 | 6.818G | -49.23 | -43.68 | -5.55 | 2 |
| 6.86329G | -4.40 | 6.8193G | -49.78 | -44.40 | -5.38 | 3 |
| 6.86359G | -3.95 | 6.8219G | -49.81 | -43.95 | -5.86 | 4 |

802.11ax HEW20_Nss4,(MCS0)_4TX

MASK

6875MHz Straddle 6.525-6.875GHz_TnomVnom

19/01/2021

CF Freq
6.875GHz

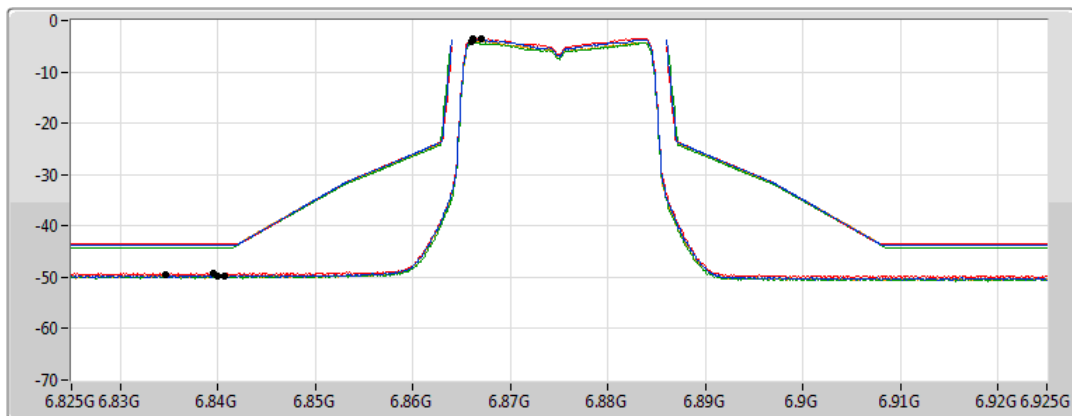
Span
100MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.86701G | -3.62 | 6.8346G | -49.62 | -43.62 | -6.00 | 1 |
| 6.86611G | -3.48 | 6.8396G | -49.19 | -43.48 | -5.71 | 2 |
| 6.86601G | -4.18 | 6.8399G | -49.77 | -44.18 | -5.59 | 3 |
| 6.86621G | -3.88 | 6.8407G | -49.72 | -43.88 | -5.84 | 4 |

802.11ax HEW20_Nss4,(MCS0)_4TX

MASK

6895MHz_TnomVnom

19/01/2021

CF Freq
6.895GHz

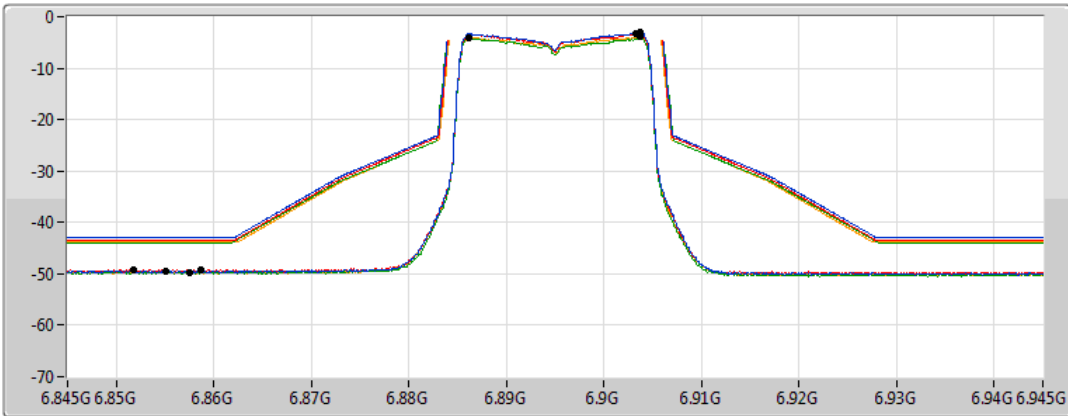
Span
100MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.90369G | -3.06 | 6.8586G | -49.32 | -43.06 | -6.26 | 1 |
| 6.90329G | -3.37 | 6.8517G | -49.21 | -43.37 | -5.84 | 2 |
| 6.88611G | -4.11 | 6.8575G | -49.64 | -44.11 | -5.53 | 3 |
| 6.90369G | -3.87 | 6.855G | -49.52 | -43.87 | -5.65 | 4 |

802.11ax HEW20_Nss4,(MCS0)_4TX

MASK

6995MHz_TnomVnom

19/01/2021

CF Freq
6.995GHz

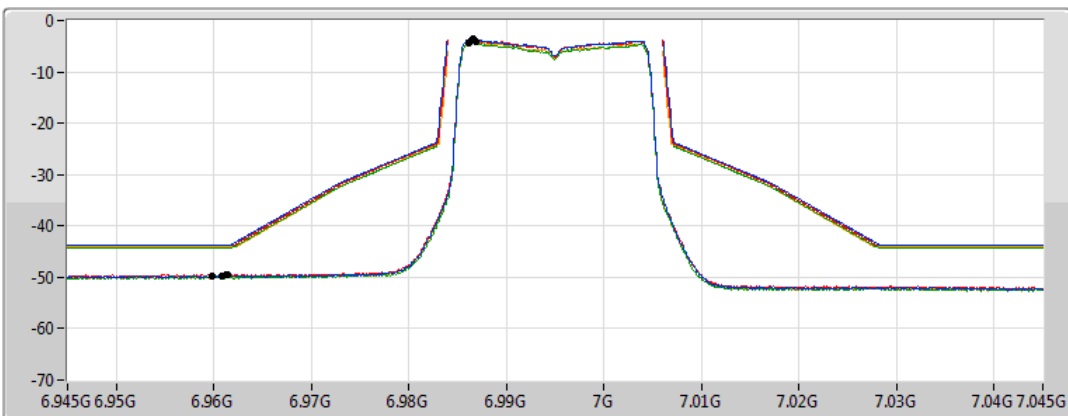
Span
100MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.98661G | -3.68 | 6.9614G | -49.58 | -43.68 | -5.90 | 1 |
| 6.98651G | -3.80 | 6.9612G | -49.52 | -43.80 | -5.72 | 2 |
| 6.98621G | -4.43 | 6.9598G | -49.89 | -44.43 | -5.46 | 3 |
| 6.98691G | -4.09 | 6.9608G | -49.71 | -44.09 | -5.62 | 4 |

802.11ax HEW20_Nss4,(MCS0)_4TX

MASK

7095MHz_TnomVnom

19/01/2021

CF Freq
7.095GHz

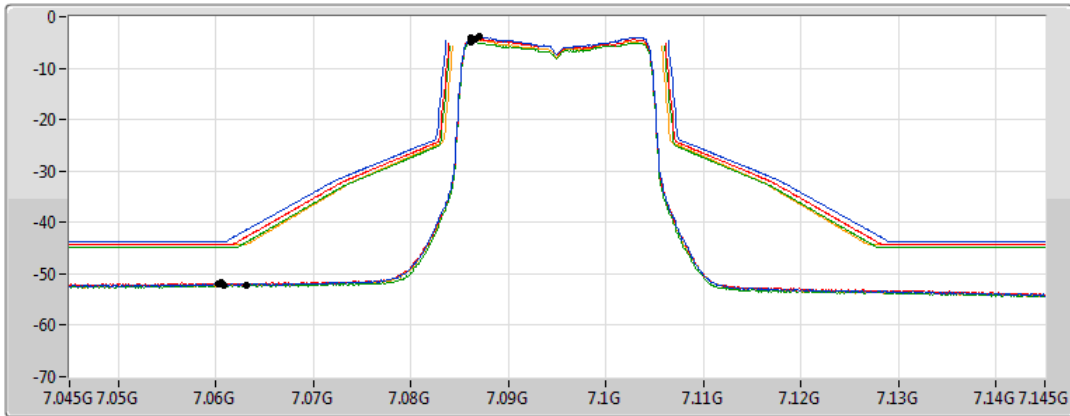
Span
100MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 7.08701G | -3.79 | 7.0603G | -51.98 | -43.79 | -8.19 | 1 |
| 7.08621G | -4.21 | 7.0606G | -51.72 | -44.21 | -7.51 | 2 |
| 7.08611G | -4.96 | 7.0608G | -52.13 | -44.96 | -7.17 | 3 |
| 7.08661G | -4.37 | 7.0631G | -52.12 | -44.36 | -7.76 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6125MHz_TnomVnom

19/01/2021

CF Freq
6.125GHz

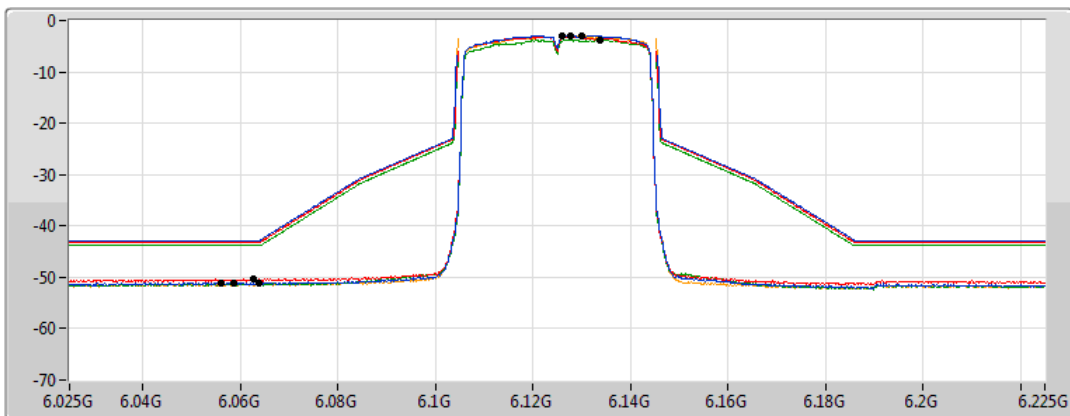
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.126G | -2.92 | 6.056G | -51.06 | -42.92 | -8.14 | 1 |
| 6.1276G | -3.08 | 6.0628G | -50.32 | -43.08 | -7.24 | 2 |
| 6.13379G | -3.72 | 6.0586G | -51.18 | -43.72 | -7.46 | 3 |
| 6.13G | -2.90 | 6.0638G | -51.18 | -42.90 | -8.28 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6245MHz_TnomVnom

19/01/2021

CF Freq
6.245GHz

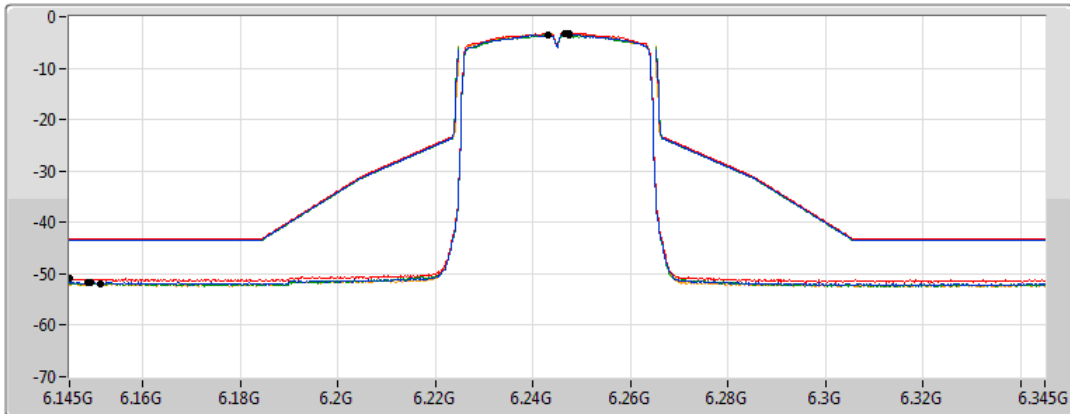
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.2474G | -3.48 | 6.1488G | -51.62 | -43.48 | -8.14 | 1 |
| 6.2466G | -3.22 | 6.145G | -50.89 | -43.22 | -7.67 | 2 |
| 6.243G | -3.61 | 6.1494G | -51.78 | -43.61 | -8.17 | 3 |
| 6.2474G | -3.18 | 6.1514G | -51.88 | -43.18 | -8.70 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6405MHz_TnomVnom

19/01/2021

CF Freq
6.405GHz

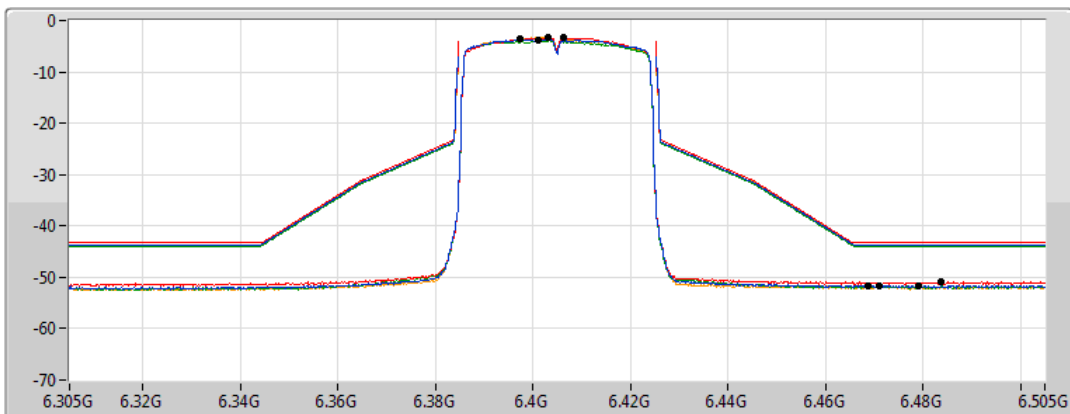
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.39741G | -3.64 | 6.4792G | -51.58 | -43.64 | -7.94 | 1 |
| 6.4062G | -3.25 | 6.4836G | -50.90 | -43.25 | -7.65 | 2 |
| 6.401G | -3.89 | 6.471G | -51.70 | -43.89 | -7.81 | 3 |
| 6.403G | -3.25 | 6.4686G | -51.71 | -43.25 | -8.46 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6445MHz_TnomVnom

19/01/2021

CF Freq
6.445GHz

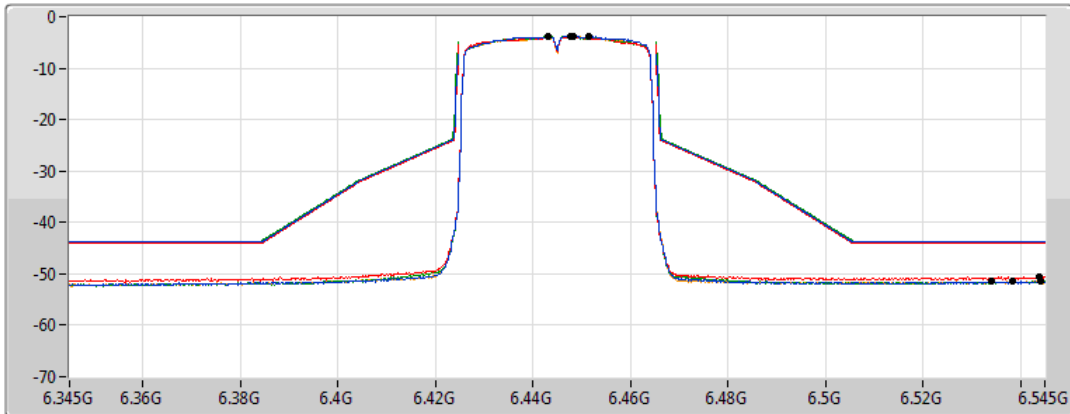
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.45139G | -3.87 | 6.5384G | -51.48 | -43.87 | -7.61 | 1 |
| 6.4476G | -3.95 | 6.5438G | -50.60 | -43.95 | -6.65 | 2 |
| 6.4432G | -3.81 | 6.534G | -51.50 | -43.81 | -7.69 | 3 |
| 6.4484G | -3.84 | 6.5442G | -51.44 | -43.84 | -7.60 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6485MHz_TnomVnom

19/01/2021

CF Freq
6.485GHz

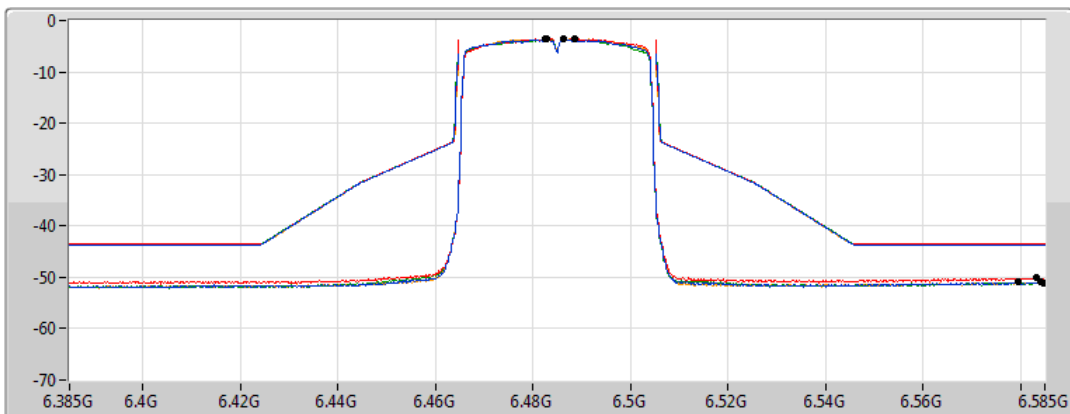
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.4864G | -3.68 | 6.5794G | -50.98 | -43.68 | -7.30 | 1 |
| 6.4886G | -3.57 | 6.5834G | -50.17 | -43.57 | -6.60 | 2 |
| 6.4828G | -3.62 | 6.5848G | -51.00 | -43.62 | -7.38 | 3 |
| 6.4826G | -3.56 | 6.584G | -50.97 | -43.56 | -7.41 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6525MHz Straddle 6.425-6.525GHz_TnomVnom

19/01/2021

CF Freq
6.525GHz

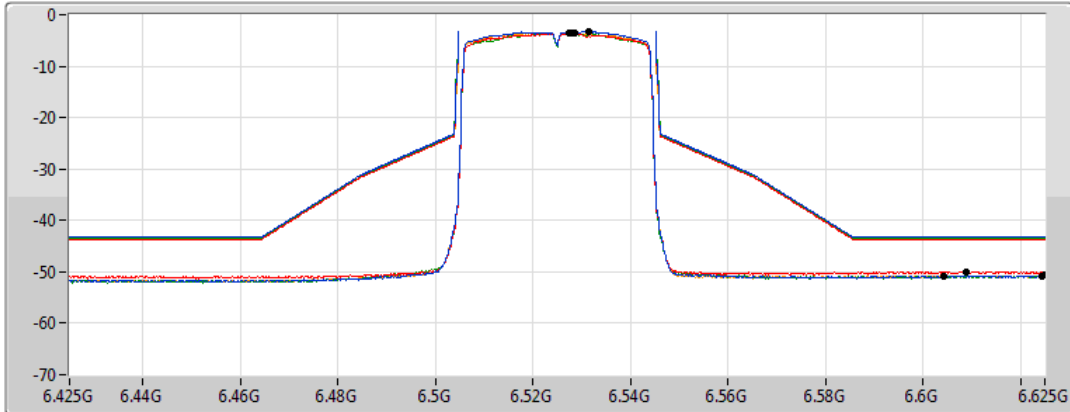
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.53159G | -3.21 | 6.625G | -50.68 | -43.21 | -7.47 | 1 |
| 6.5286G | -3.66 | 6.6088G | -49.96 | -43.66 | -6.30 | 2 |
| 6.5274G | -3.56 | 6.6244G | -50.78 | -43.56 | -7.22 | 3 |
| 6.5278G | -3.44 | 6.6044G | -50.74 | -43.44 | -7.30 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6565MHz_TnomVnom

19/01/2021

CF Freq
6.565GHz

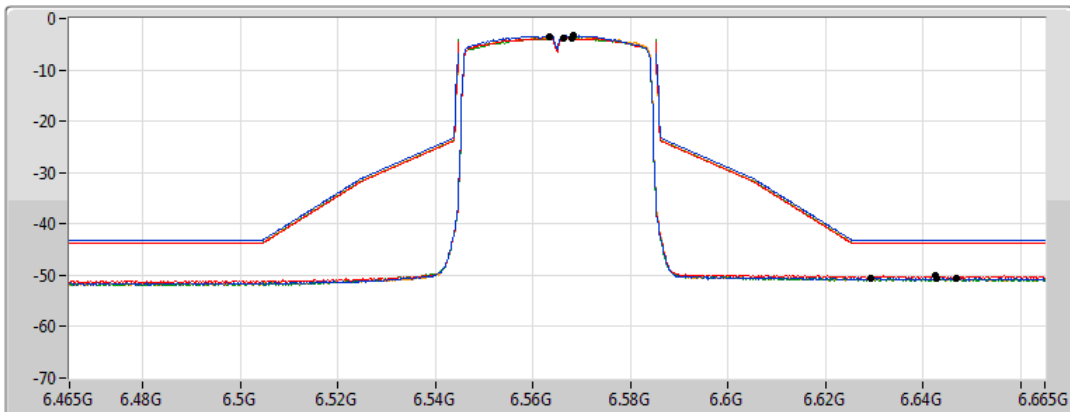
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.5682G | -3.30 | 6.647G | -50.57 | -43.30 | -7.27 | 1 |
| 6.568G | -3.83 | 6.6426G | -50.16 | -43.83 | -6.33 | 2 |
| 6.5664G | -3.82 | 6.6428G | -50.67 | -43.82 | -6.85 | 3 |
| 6.5634G | -3.62 | 6.6294G | -50.65 | -43.62 | -7.03 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6685MHz_TnomVnom

19/01/2021

CF Freq
6.685GHz

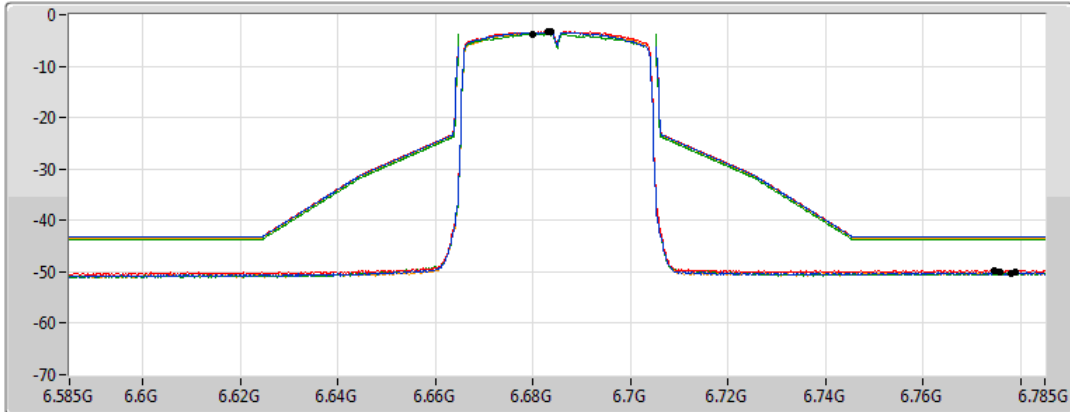
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.6836G | -3.33 | 6.779G | -50.11 | -43.33 | -6.78 | 1 |
| 6.6836G | -3.25 | 6.7746G | -49.71 | -43.25 | -6.46 | 2 |
| 6.68G | -3.72 | 6.778G | -50.24 | -43.72 | -6.52 | 3 |
| 6.683G | -3.34 | 6.7758G | -50.16 | -43.34 | -6.82 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6845MHz_TnomVnom

19/01/2021

CF Freq
6.845GHz

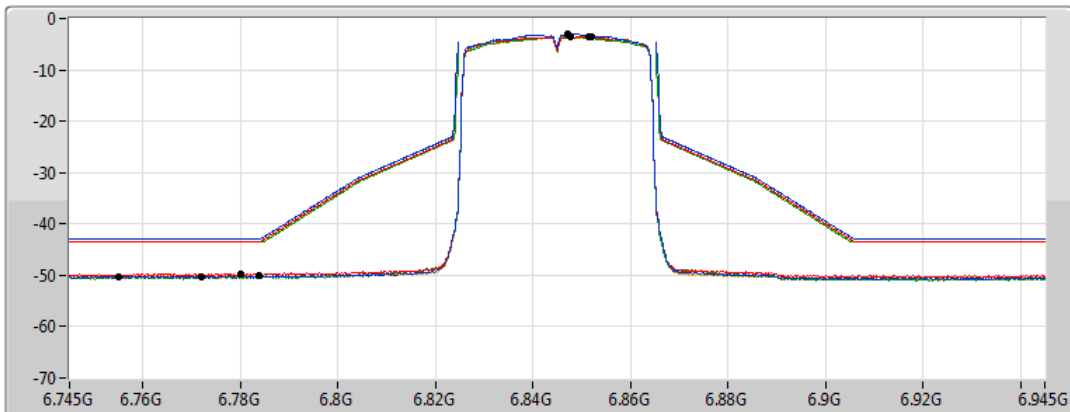
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.8472G | -2.97 | 6.7838G | -50.10 | -42.97 | -7.13 | 1 |
| 6.85139G | -3.50 | 6.78G | -49.71 | -43.50 | -6.21 | 2 |
| 6.8476G | -3.60 | 6.772G | -50.19 | -43.60 | -6.59 | 3 |
| 6.85219G | -3.49 | 6.755G | -50.18 | -43.49 | -6.69 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6885MHz Straddle 6.525-6.875GHz_TnomVnom

19/01/2021

CF Freq
6.885GHz

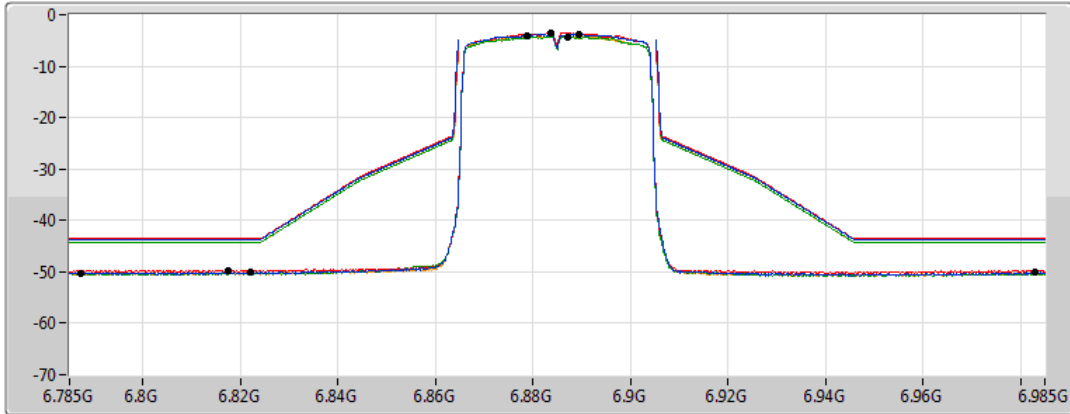
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.8894G | -3.82 | 6.822G | -50.02 | -43.82 | -6.20 | 1 |
| 6.8836G | -3.50 | 6.8176G | -49.68 | -43.50 | -6.18 | 2 |
| 6.8872G | -4.27 | 6.7874G | -50.23 | -44.27 | -5.96 | 3 |
| 6.87881G | -4.19 | 6.983G | -50.13 | -44.19 | -5.94 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

6925MHz_TnomVnom

19/01/2021

CF Freq
6.925GHz

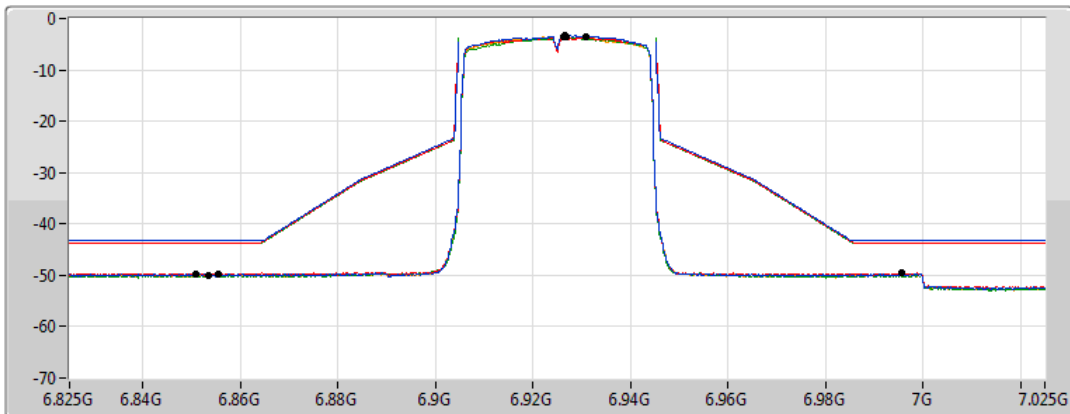
Span
200MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.9266G | -3.31 | 6.851G | -49.78 | -43.31 | -6.47 | 1 |
| 6.93099G | -3.67 | 6.9956G | -49.61 | -43.67 | -5.94 | 2 |
| 6.927G | -3.69 | 6.8554G | -49.89 | -43.69 | -6.20 | 3 |
| 6.9262G | -3.64 | 6.8536G | -49.91 | -43.64 | -6.27 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

7005MHz_TnomVnom

19/01/2021

CF Freq
7.005GHz

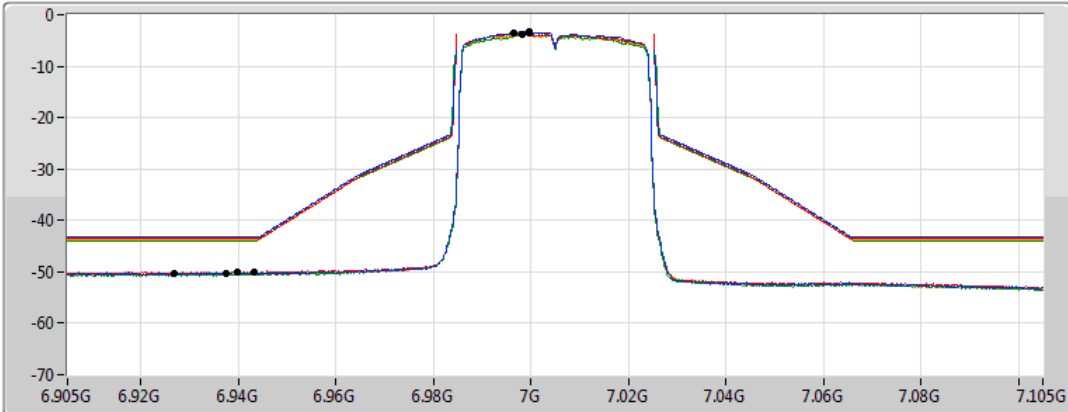
Span
200MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1

Port 2

Port 3

Port 4

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.99981G | -3.22 | 6.9432G | -50.10 | -43.22 | -6.88 | 1 |
| 6.99661G | -3.59 | 6.9398G | -49.96 | -43.59 | -6.37 | 2 |
| 6.99821G | -3.89 | 6.9268G | -50.37 | -43.89 | -6.48 | 3 |
| 6.99981G | -3.67 | 6.9376G | -50.30 | -43.67 | -6.63 | 4 |

802.11ax HEW40_Nss4,(MCS0)_4TX

MASK

7085MHz_TnomVnom

19/01/2021

CF Freq
7.085GHz

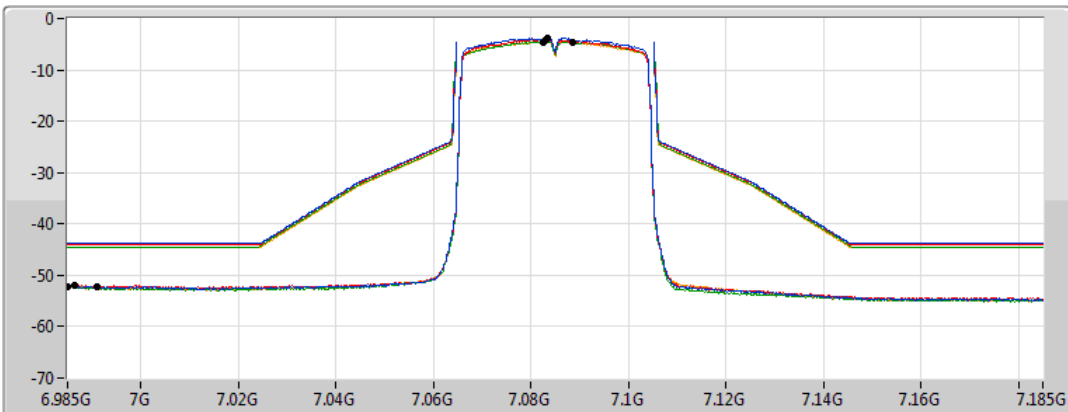
Span
200MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1

Port 2

Port 3

Port 4

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 7.0834G | -3.85 | 6.991G | -52.11 | -43.85 | -8.26 | 1 |
| 7.0832G | -4.04 | 6.9864G | -51.93 | -44.04 | -7.89 | 2 |
| 7.0826G | -4.52 | 6.985G | -52.24 | -44.52 | -7.72 | 3 |
| 7.0886G | -4.55 | 6.985G | -52.20 | -44.55 | -7.65 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6145MHz_TnomVnom

19/01/2021

CF Freq
6.145GHz

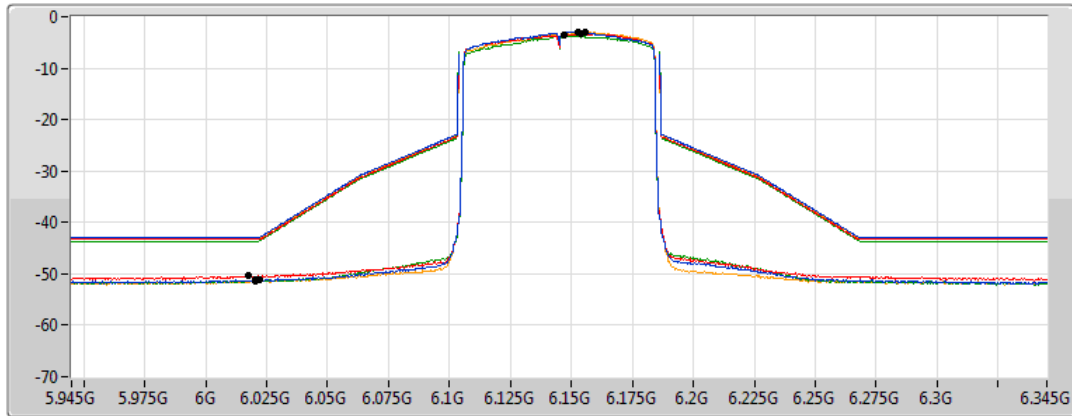
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.15259G | -2.91 | 6.0222G | -51.13 | -42.87 | -8.26 | 1 |
| 6.15379G | -3.30 | 6.0178G | -50.42 | -43.30 | -7.12 | 2 |
| 6.147G | -3.63 | 6.0202G | -51.26 | -43.63 | -7.63 | 3 |
| 6.15579G | -2.94 | 6.0206G | -51.29 | -42.94 | -8.35 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6225MHz_TnomVnom

19/01/2021

CF Freq
6.225GHz

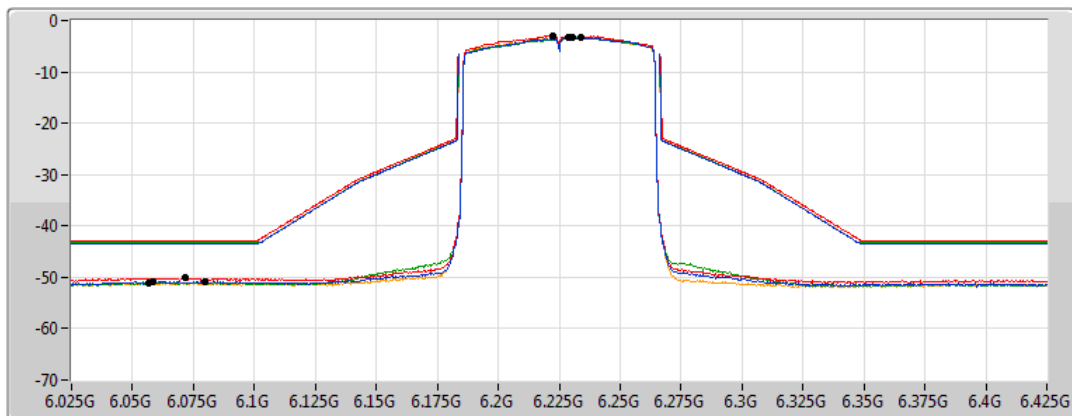
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.2286G | -3.40 | 6.0586G | -50.76 | -43.40 | -7.36 | 1 |
| 6.2226G | -2.99 | 6.0718G | -50.15 | -42.99 | -7.16 | 2 |
| 6.23019G | -3.30 | 6.0798G | -50.95 | -43.30 | -7.65 | 3 |
| 6.23379G | -3.21 | 6.0566G | -51.02 | -43.21 | -7.81 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6385MHz_TnomVnom

19/01/2021

CF Freq
6.385GHz

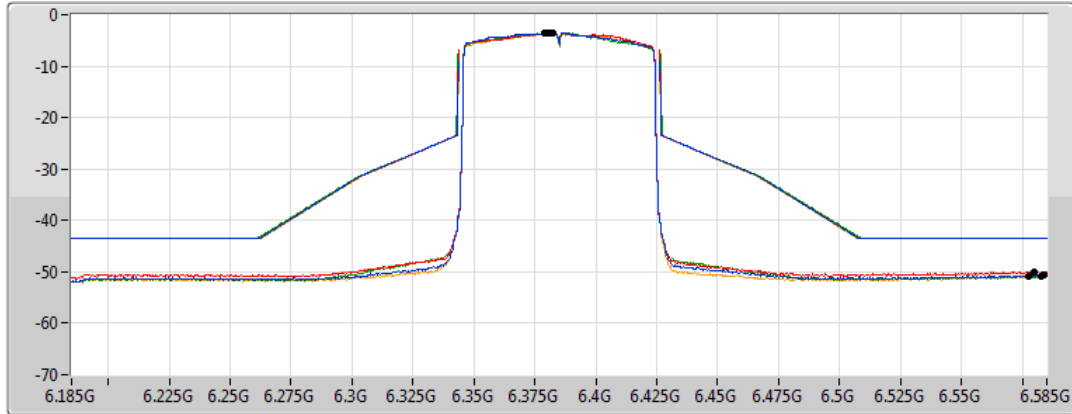
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.37901G | -3.45 | 6.5838G | -50.64 | -43.45 | -7.19 | 1 |
| 6.3826G | -3.53 | 6.5798G | -49.96 | -43.53 | -6.43 | 2 |
| 6.37941G | -3.56 | 6.5774G | -50.75 | -43.56 | -7.19 | 3 |
| 6.3814G | -3.51 | 6.5826G | -50.81 | -43.51 | -7.30 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6465MHz_TnomVnom

19/01/2021

CF Freq
6.465GHz

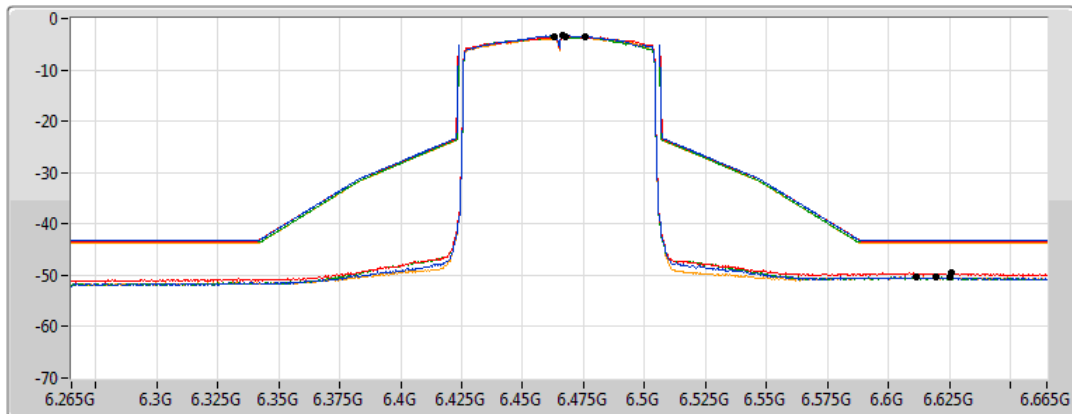
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.4666G | -3.27 | 6.6198G | -50.33 | -43.27 | -7.06 | 1 |
| 6.4678G | -3.43 | 6.6258G | -49.57 | -43.43 | -6.14 | 2 |
| 6.463G | -3.57 | 6.6114G | -50.39 | -43.57 | -6.82 | 3 |
| 6.47579G | -3.63 | 6.625G | -50.33 | -43.63 | -6.70 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6545MHz Straddle 6.425-6.525GHz_TnomVnom

19/01/2021

CF Freq
6.545GHz

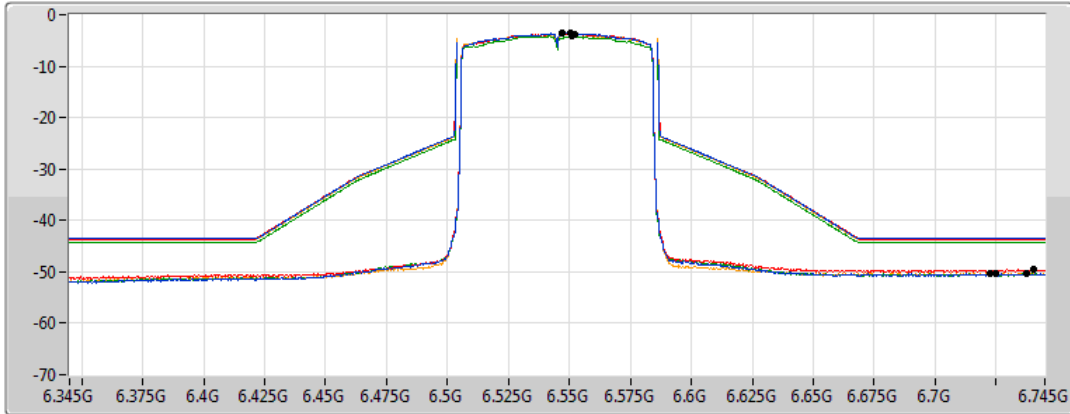
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.55059G | -3.57 | 6.725G | -50.32 | -43.57 | -6.75 | 1 |
| 6.547G | -3.62 | 6.7402G | -49.53 | -43.62 | -5.91 | 2 |
| 6.55099G | -4.20 | 6.7378G | -50.31 | -44.20 | -6.11 | 3 |
| 6.55219G | -3.75 | 6.7226G | -50.28 | -43.75 | -6.53 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6625MHz_TnomVnom

19/01/2021

CF Freq
6.625GHz

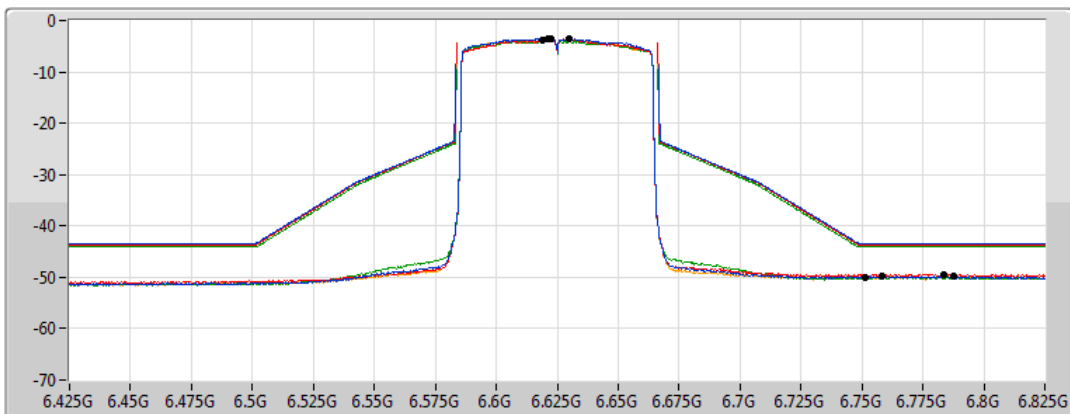
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.6214G | -3.54 | 6.7582G | -49.75 | -43.54 | -6.21 | 1 |
| 6.6298G | -3.63 | 6.7834G | -49.36 | -43.63 | -5.73 | 2 |
| 6.61901G | -3.93 | 6.7514G | -49.91 | -43.93 | -5.98 | 3 |
| 6.6222G | -3.56 | 6.7878G | -49.75 | -43.56 | -6.19 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6705MHz_TnomVnom

19/01/2021

CF Freq
6.705GHz

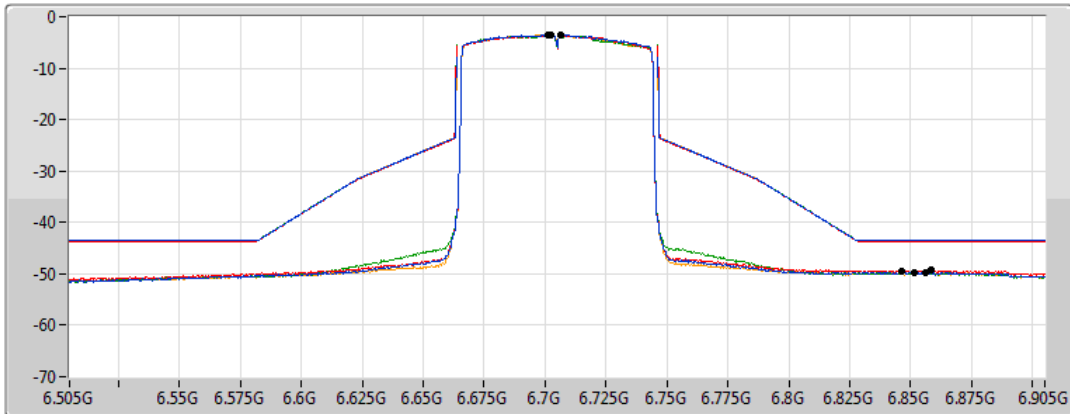
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.7014G | -3.54 | 6.8462G | -49.60 | -43.54 | -6.06 | 1 |
| 6.7066G | -3.68 | 6.8586G | -49.31 | -43.68 | -5.63 | 2 |
| 6.7022G | -3.60 | 6.8514G | -49.74 | -43.60 | -6.14 | 3 |
| 6.7022G | -3.47 | 6.8562G | -49.69 | -43.47 | -6.22 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6785MHz_TnomVnom

19/01/2021

CF Freq
6.785GHz

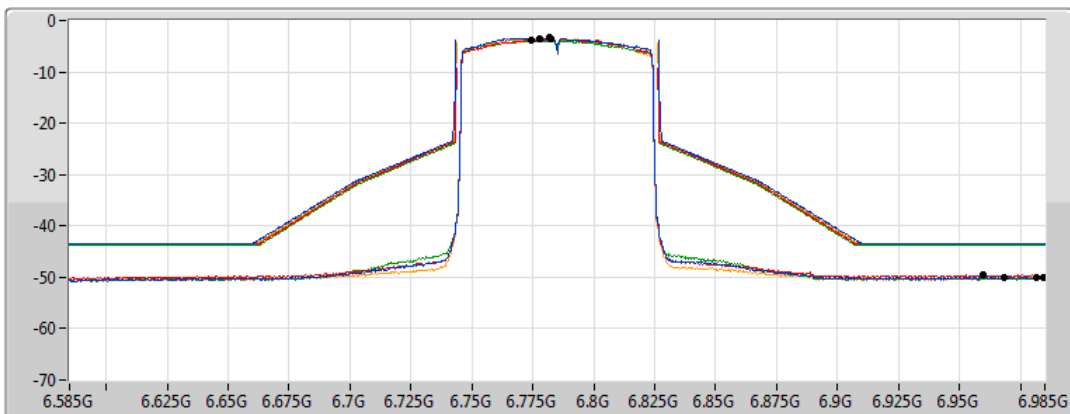
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.7818G | -3.40 | 6.9682G | -50.00 | -43.40 | -6.60 | 1 |
| 6.7826G | -3.57 | 6.9594G | -49.52 | -43.57 | -5.95 | 2 |
| 6.77421G | -3.88 | 6.9846G | -49.97 | -43.88 | -6.09 | 3 |
| 6.77781G | -3.47 | 6.9818G | -49.99 | -43.47 | -6.52 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6865MHz Straddle 6.525-6.875GHz_TnomVnom

19/01/2021

CF Freq
6.865GHz

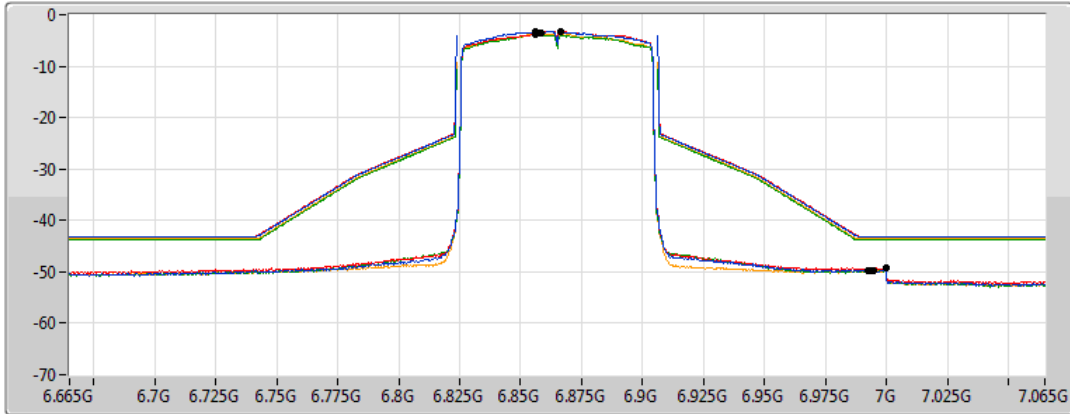
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.85621G | -3.26 | 6.9926G | -49.66 | -43.26 | -6.40 | 1 |
| 6.8662G | -3.16 | 6.9998G | -49.22 | -43.16 | -6.06 | 2 |
| 6.85621G | -3.79 | 6.995G | -49.75 | -43.79 | -5.96 | 3 |
| 6.85861G | -3.61 | 6.9934G | -49.78 | -43.61 | -6.17 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

6945MHz_TnomVnom

19/01/2021

CF Freq
6.945GHz

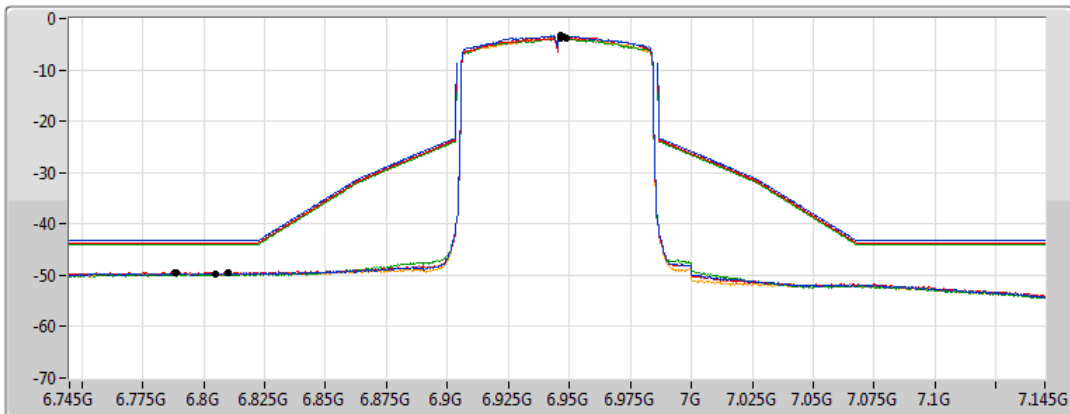
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|---------|----------|----------|------------|------------|------------|------|
| 6.9462G | -3.28 | 6.8098G | -49.49 | -43.28 | -6.21 | 1 |
| 6.9474G | -3.64 | 6.7886G | -49.42 | -43.64 | -5.78 | 2 |
| 6.9486G | -3.91 | 6.805G | -49.74 | -43.91 | -5.83 | 3 |
| 6.9462G | -3.76 | 6.7882G | -49.57 | -43.76 | -5.81 | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

MASK

7025MHz_TnomVnom

19/01/2021

CF Freq
7.025GHz

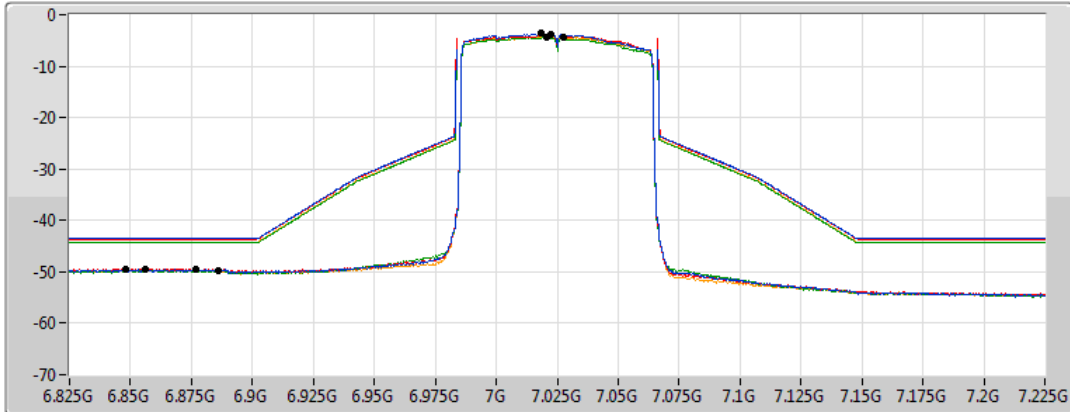
Span
400MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 7.01861G | -3.61 | 6.8482G | -49.57 | -43.61 | -5.96 | 1 |
| 7.0226G | -3.79 | 6.877G | -49.37 | -43.79 | -5.58 | 2 |
| 7.0206G | -4.39 | 6.8858G | -49.67 | -44.39 | -5.28 | 3 |
| 7.0278G | -4.31 | 6.8558G | -49.49 | -44.31 | -5.18 | 4 |

802.11ax HEW160_Nss4,(MCS0)_4TX

MASK

6185MHz_TnomVnom

19/01/2021

CF Freq
6.185GHz

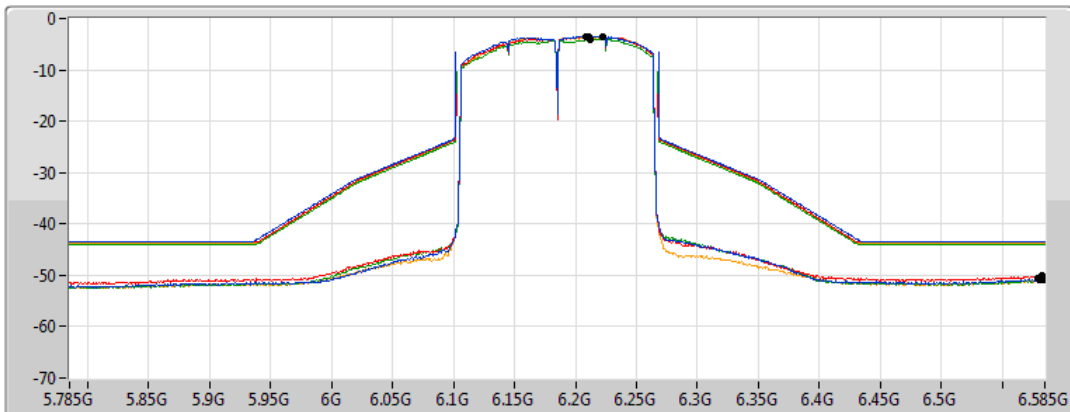
Span
800MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.20898G | -3.44 | 6.5794G | -50.59 | -43.44 | -7.15 | 1 |
| 6.22256G | -3.49 | 6.5826G | -49.99 | -43.49 | -6.50 | 2 |
| 6.21217G | -3.97 | 6.5842G | -50.87 | -43.97 | -6.90 | 3 |
| 6.21057G | -3.65 | 6.5802G | -50.95 | -43.65 | -7.30 | 4 |

802.11ax HEW160_Nss4,(MCS0)_4TX

MASK

6345MHz_TnomVnom

19/01/2021

CF Freq
6.345GHz

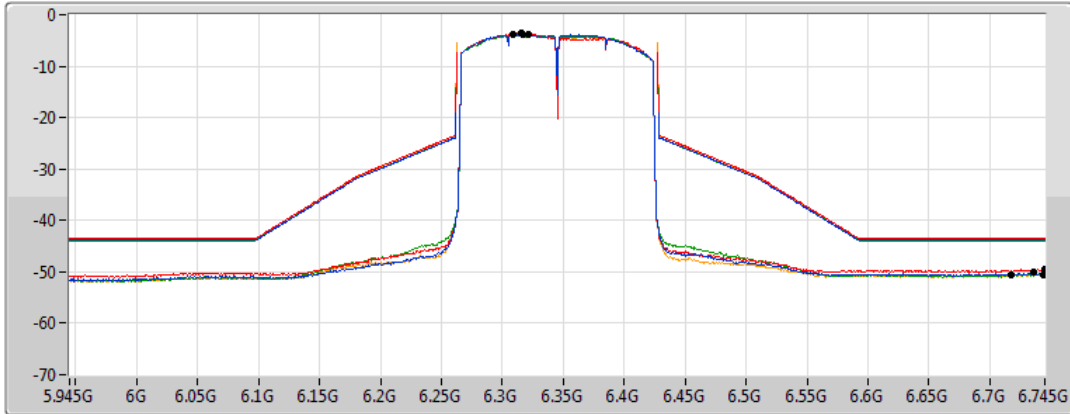
Span
800MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.31703G | -3.88 | 6.7354G | -50.14 | -43.88 | -6.26 | 1 |
| 6.31543G | -3.42 | 6.745G | -49.57 | -43.42 | -6.15 | 2 |
| 6.30824G | -3.93 | 6.7178G | -50.50 | -43.93 | -6.57 | 3 |
| 6.32182G | -3.77 | 6.7442G | -50.45 | -43.77 | -6.68 | 4 |

802.11ax HEW160_Nss4,(MCS0)_4TX

MASK

6505MHz Straddle 6.425-6.525GHz_TnomVnom

19/01/2021

CF Freq
6.505GHz

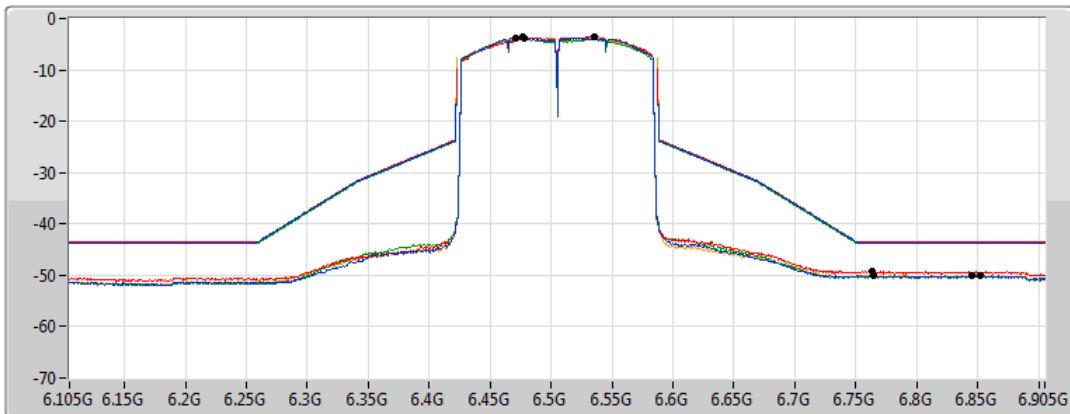
Span
800MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.47063G | -3.79 | 6.8522G | -50.08 | -43.79 | -6.29 | 1 |
| 6.53537G | -3.56 | 6.7634G | -49.25 | -43.56 | -5.69 | 2 |
| 6.47783G | -3.86 | 6.7642G | -50.15 | -43.86 | -6.29 | 3 |
| 6.47703G | -3.65 | 6.845G | -50.04 | -43.65 | -6.39 | 4 |

802.11ax HEW160_Nss4,(MCS0)_4TX

MASK

6665MHz_TnomVnom

19/01/2021

CF Freq
6.665GHz

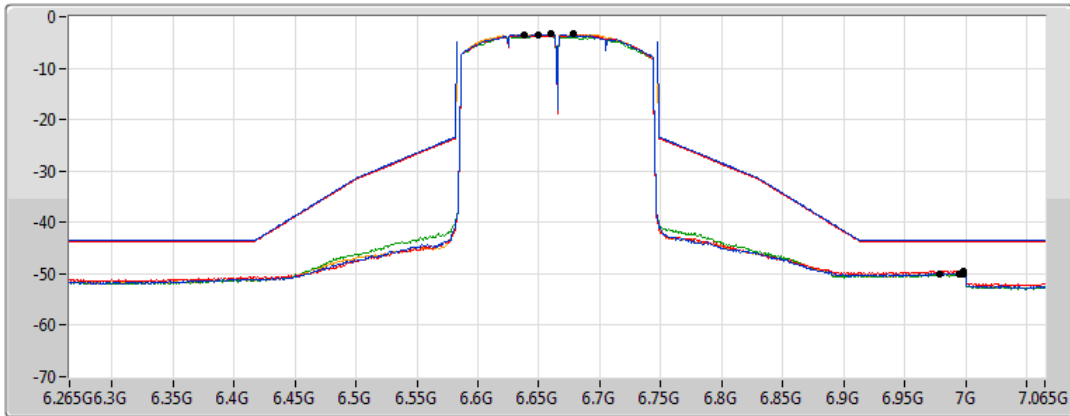
Span
800MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1

Port 2

Port 3

Port 4

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.65941G | -3.36 | 6.9986G | -49.91 | -43.36 | -6.55 | 1 |
| 6.63783G | -3.63 | 6.9986G | -49.37 | -43.63 | -5.74 | 2 |
| 6.64982G | -3.63 | 6.9786G | -50.01 | -43.63 | -6.38 | 3 |
| 6.67779G | -3.40 | 6.9946G | -49.94 | -43.40 | -6.54 | 4 |

802.11ax HEW160_Nss4,(MCS0)_4TX

MASK

6825MHz Straddle 6.525-6.875GHz_TnomVnom

19/01/2021

CF Freq
6.825GHz

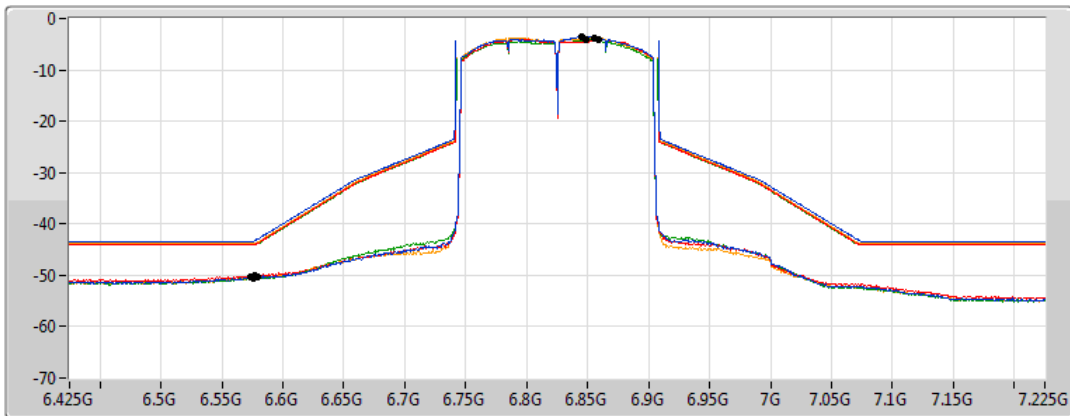
Span
800MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1

Port 2

Port 3

Port 4

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.84498G | -3.49 | 6.5738G | -50.40 | -43.49 | -6.91 | 1 |
| 6.85937G | -3.99 | 6.577G | -50.00 | -43.99 | -6.01 | 2 |
| 6.84898G | -4.02 | 6.5762G | -50.53 | -44.02 | -6.51 | 3 |
| 6.85537G | -3.70 | 6.5794G | -50.28 | -43.55 | -6.73 | 4 |

802.11ax HEW160_Nss4,(MCS0)_4TX

MASK

6985MHz_TnomVnom

19/01/2021

CF Freq
6.985GHz

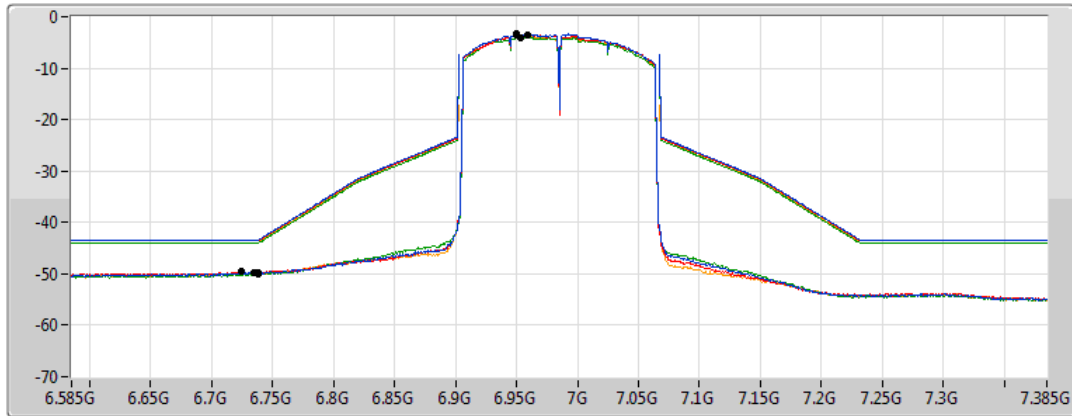
Span
800MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms


Detector Type
RMS



Port 1 

Port 2 

Port 3 

Port 4 

| Ref(Hz) | Ref(dBm) | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port |
|----------|----------|----------|------------|------------|------------|------|
| 6.94984G | -3.40 | 6.7346G | -49.75 | -43.40 | -6.35 | 1 |
| 6.95943G | -3.60 | 6.7242G | -49.57 | -43.60 | -5.97 | 2 |
| 6.95383G | -4.02 | 6.7386G | -49.98 | -43.99 | -5.99 | 3 |
| 6.94984G | -3.60 | 6.7386G | -49.72 | -43.60 | -6.12 | 4 |



| Contention Based protocol 802.11ax HEW20 | | | | | | | | | | |
|--|--------------|-----------------|-------------|------------------------------|------|--|---|--------------------------------|-----------------------|-------------|
| UNII Band | Test Channel | Bandwidth (MHz) | Freq. (MHz) | Interference Frequency (MHz) | | Threshold level of AWGN interference (dBm) | Number of AWGN Detected (out of 10 times) | AWGN Detection Probability (%) | Limit Probability (%) | Test Result |
| 5 | 49 | 20 | 6195 | Center | 6195 | -60.28 | 10 | 100 | 90 | Pass |
| 6 | 105 | 20 | 6475 | Center | 6475 | -59.85 | 10 | 100 | 90 | Pass |
| 7 | 149 | 20 | 6695 | Center | 6695 | -59.85 | 10 | 100 | 90 | Pass |
| 8 | 209 | 20 | 6995 | Center | 6995 | -59.63 | 10 | 100 | 90 | Pass |

| Contention Based protocol 802.11ax HEW160 | | | | | | | | | | |
|---|--------------|-----------------|-------------|------------------------------|------|--|---|--------------------------------|-----------------------|-------------|
| UNII Band | Test Channel | Bandwidth (MHz) | Freq. (MHz) | Interference Frequency (MHz) | | Threshold level of AWGN interference (dBm) | Number of AWGN Detected (out of 10 times) | AWGN Detection Probability (%) | Limit Probability (%) | Test Result |
| 5 | 47 | 160 | 6185 | Low edge | 6110 | -60.28 | 10 | 100 | 90 | Pass |
| | | | | Center | 6185 | -60.28 | 10 | 100 | 90 | Pass |
| | | | | High edge | 6260 | -60.28 | 10 | 100 | 90 | Pass |
| 6 | 111 | 160 | 6505 | Low edge | 6430 | -59.85 | 10 | 100 | 90 | Pass |
| | | | | Center | 6505 | -59.85 | 10 | 100 | 90 | Pass |
| | | | | High edge | 6580 | -59.85 | 10 | 100 | 90 | Pass |
| 7 | 143 | 160 | 6665 | Low edge | 6590 | -59.85 | 10 | 100 | 90 | Pass |
| | | | | Center | 6665 | -59.85 | 10 | 100 | 90 | Pass |
| | | | | High edge | 6740 | -59.85 | 10 | 100 | 90 | Pass |
| 8 | 207 | 160 | 6985 | Low edge | 6910 | -59.63 | 10 | 100 | 90 | Pass |
| | | | | Center | 6985 | -59.63 | 10 | 100 | 90 | Pass |
| | | | | High edge | 7060 | -59.63 | 10 | 100 | 90 | Pass |

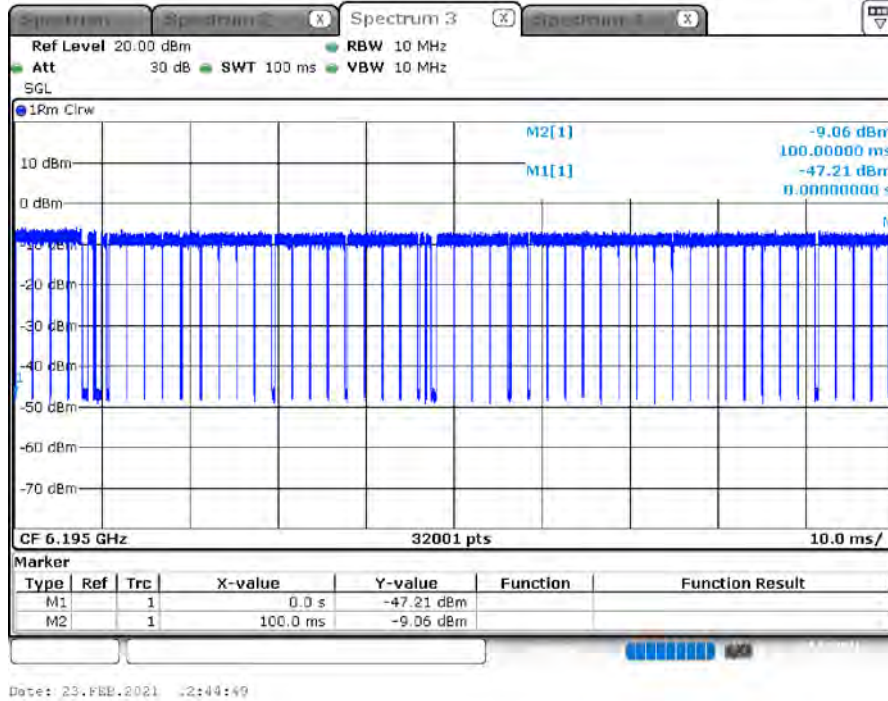
Note:

UNII 5 AWGN Level = -62 dBm + Min. Gain(1.72 dBi) = -60.28 dBm

UNII 6 & 7 AWGN Level = -62 dBm + Min. Gain(2.15 dBi) = -59.85 dBm

UNII 8 AWGN Level = -62 dBm + Min. Gain(2.37dBi) = -59.63 dBm

20MHz: Traffic Loading Plot

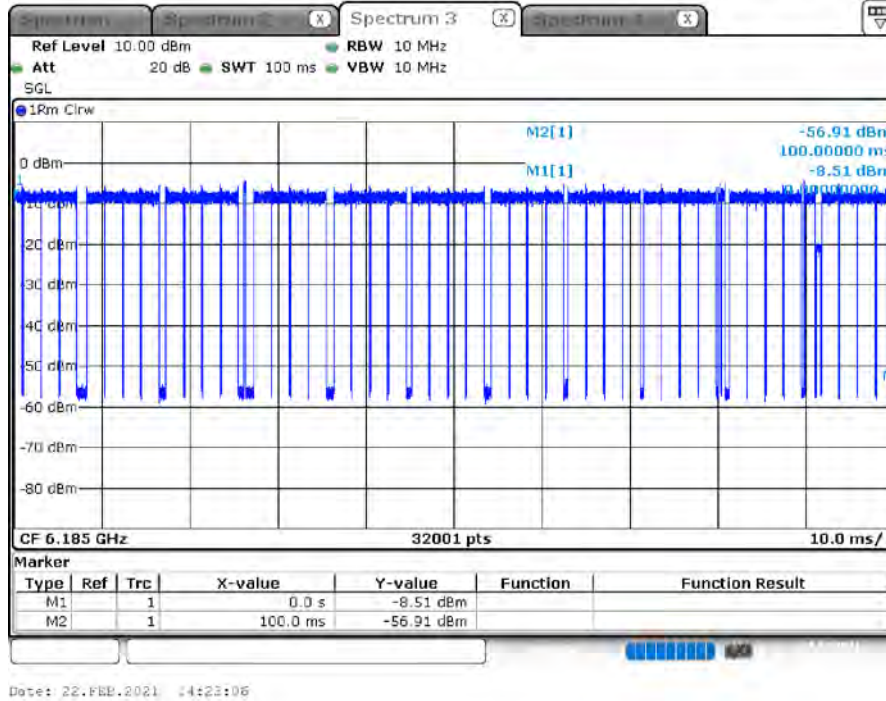


20MHz: Traffic Loading Calculation

R&S | Agilent

| | | | | |
|----------------------------|------------------|-----------------------|---------------------|--------------------|
| VISA session GPIB0::20: | Threshold (dBm) | Marker 1 (sec) | Space Time of Point | No. of Pulse |
| | Mean Level (dBm) | Marker 2 (sec) | Mark 1 Point | Close TX Time(sec) |
| | RMS Level (dBm) | Total Trace of Points | Mark 2 Point | Duty (%) |
| | -40 | 0 | 0.000003 | 29536 |
| | -8.87 | 0.1 | 1 | 92.3m |
| | -8.81 | 32001 | 32001 | 92.3 |

160 MHz: Traffic Loading Plot

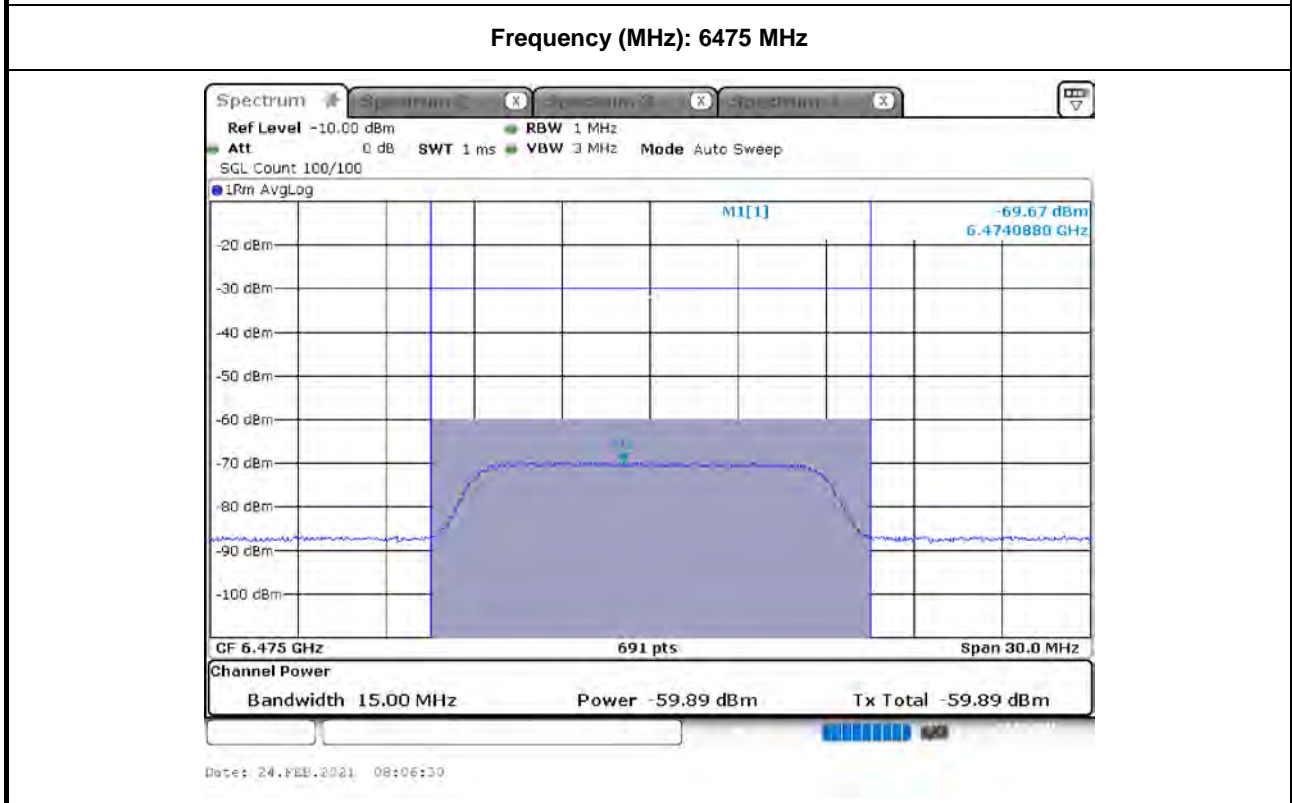
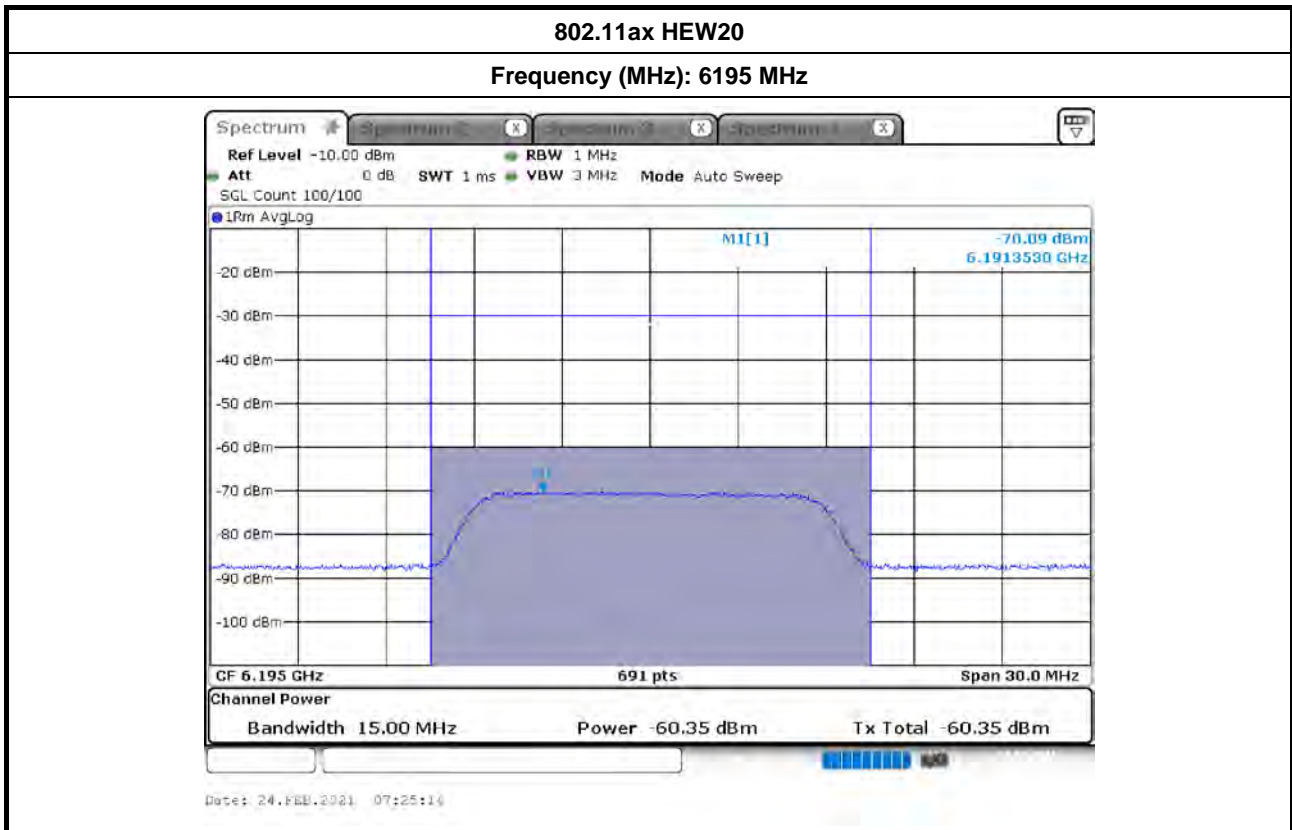


160 MHz: Traffic Loading Calculation

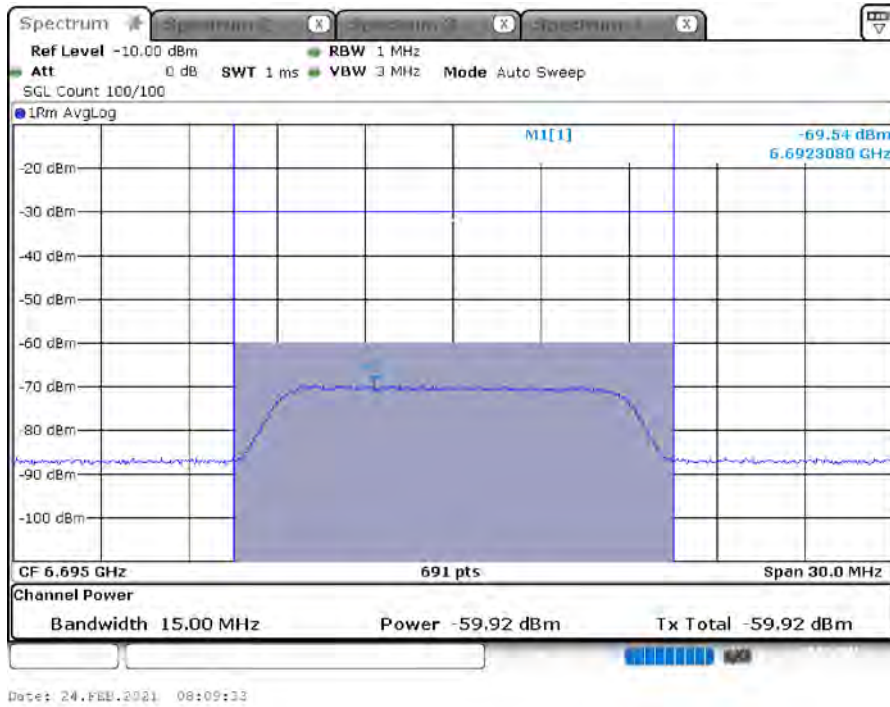
R&S | Agilent

| | | | | |
|---------------------------|---------------------------|--------------------------------|---------------------------------|----------------------------------|
| VISA session GPIB0::20 | Threshold (dBm) -40 | Marker 1 (sec) 0 | Space Time of Point 0.000003 | No. of Pulse 28495 |
| | Mean Level (dBm) -8.46 | Marker 2 (sec) 0.1 | Mark 1 Point 1 | Close TX Time(sec) 89.046875m |
| | RMS Level (dBm) -8.39 | Total Trace of Points 32001 | Mark 2 Point 32001 | Duty (%) 89.05 |

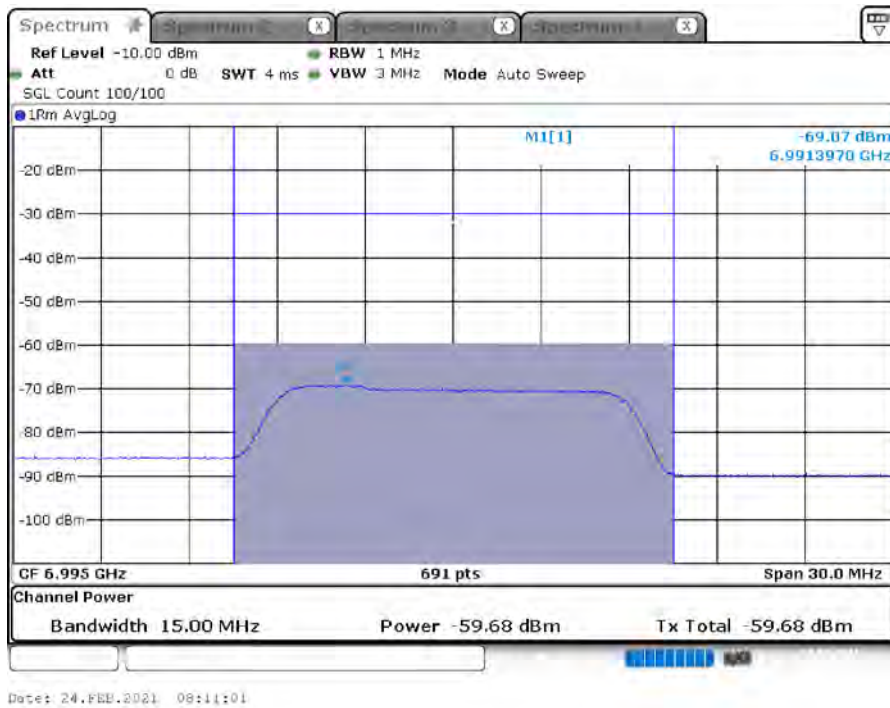
Incumbent signal (AWGN) Plot



Frequency (MHz): 6695 MHz

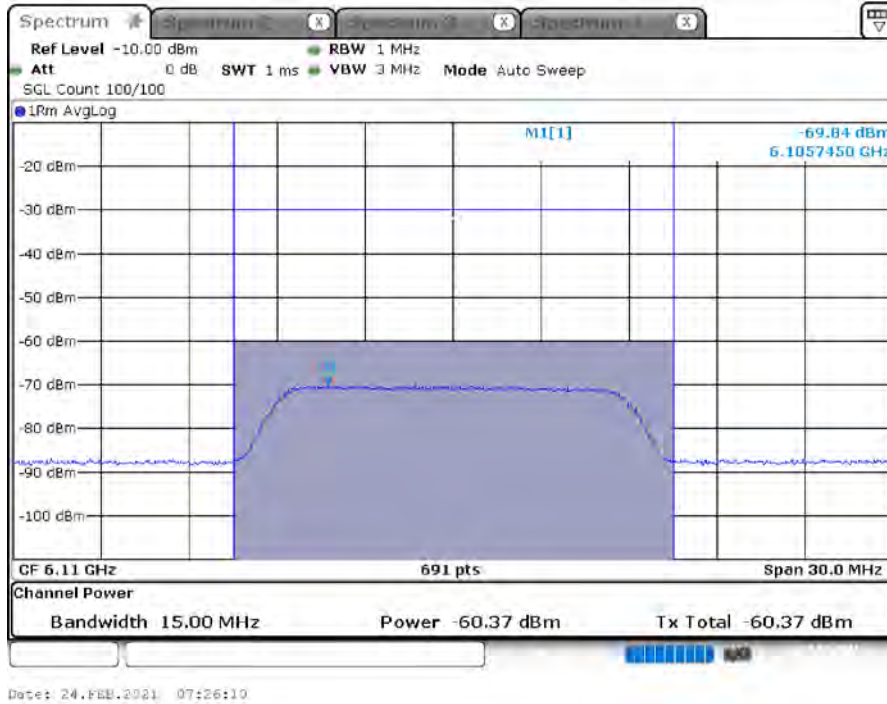


Frequency (MHz): 6995 MHz



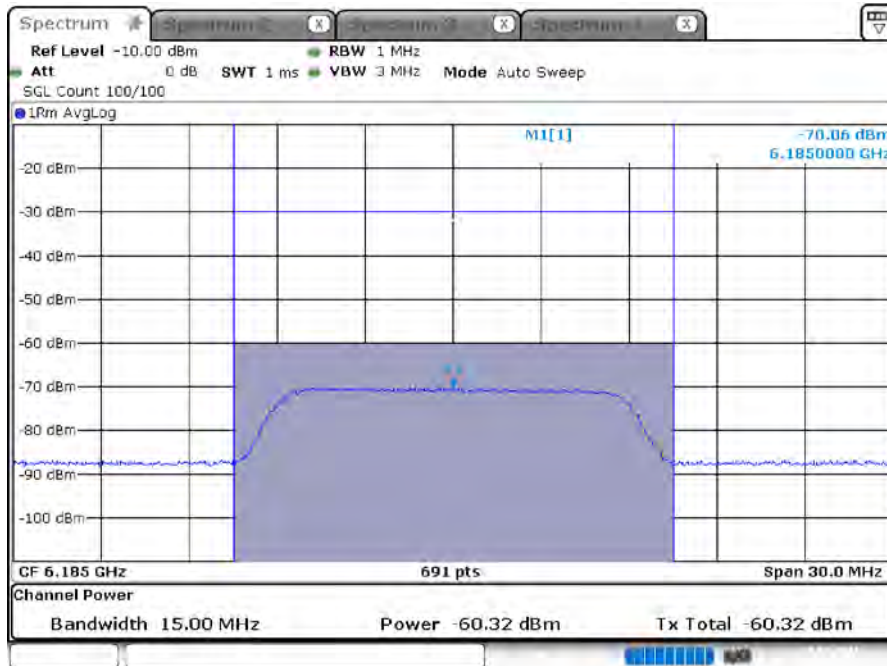
802.11ax HEW160

Frequency (MHz): 6110 MHz



Date: 24.FEB.2021 07:26:10

Frequency (MHz): 6185 MHz

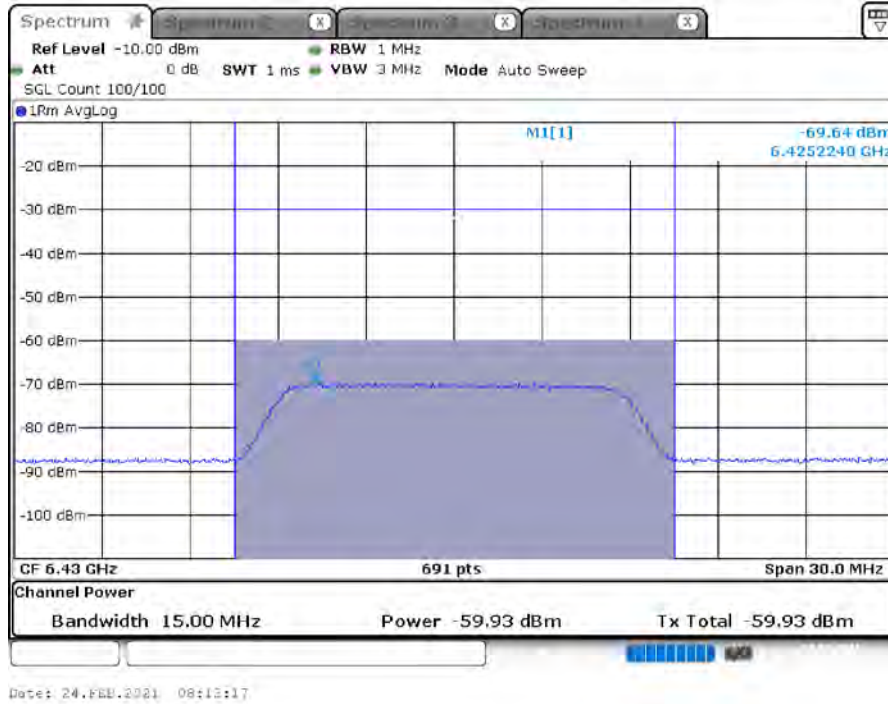


Date: 24.FEB.2021 07:27:08

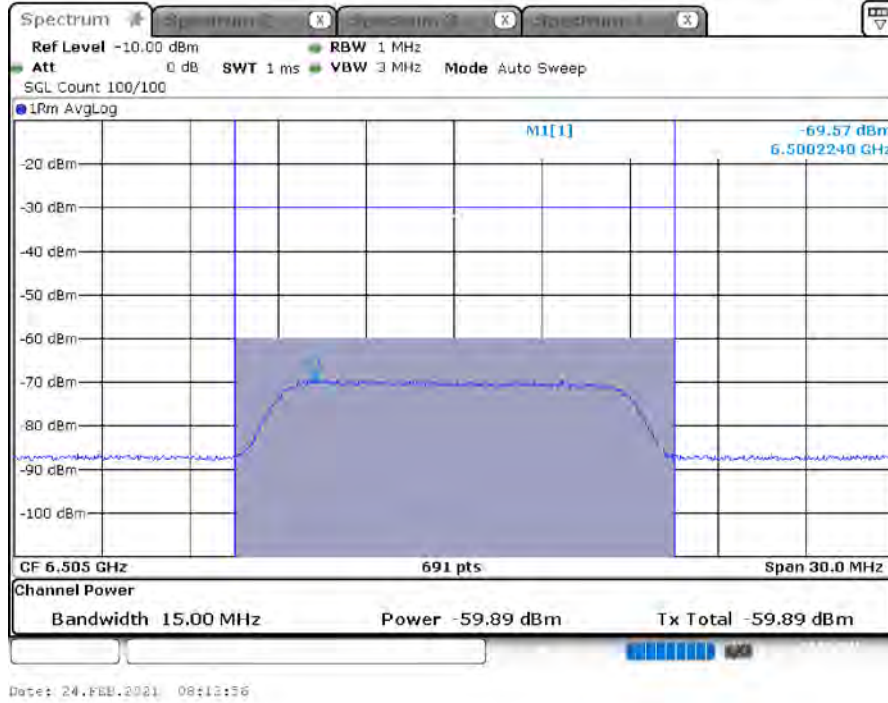
Frequency (MHz): 6260 MHz



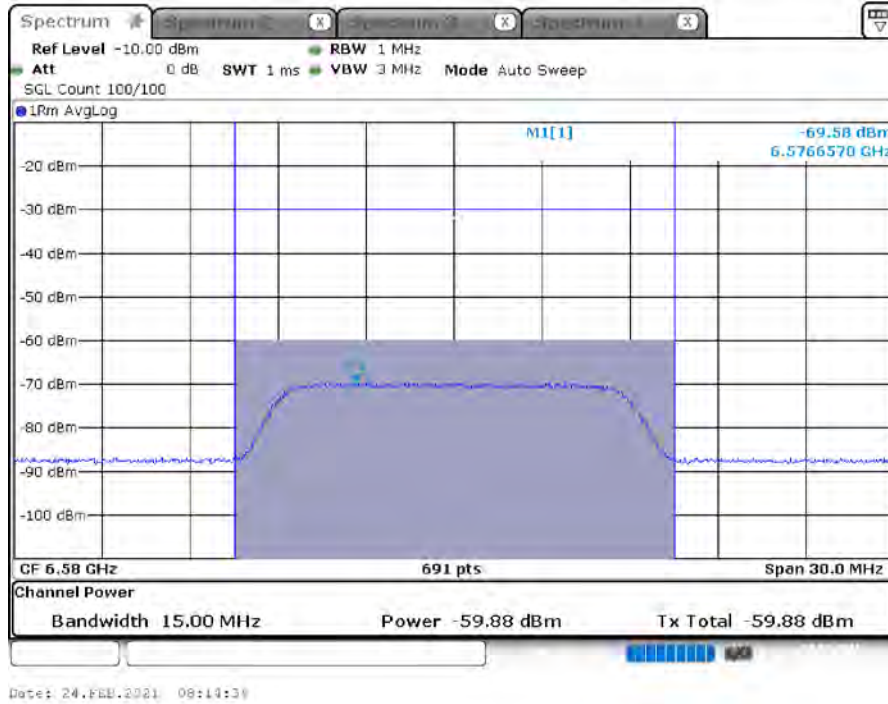
Frequency (MHz): 6430 MHz



Frequency (MHz): 6505 MHz



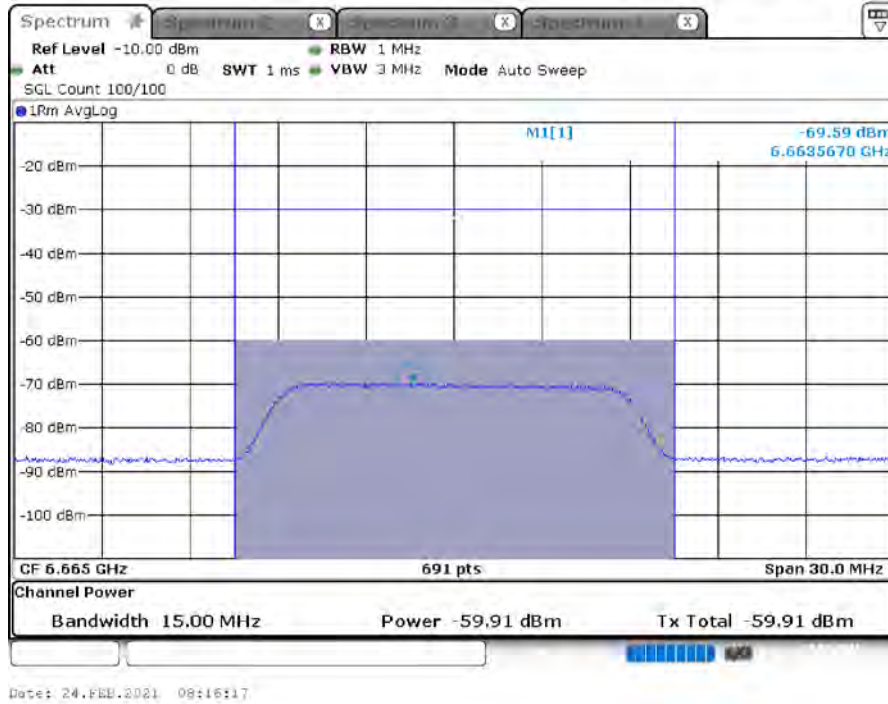
Frequency (MHz): 6580 MHz



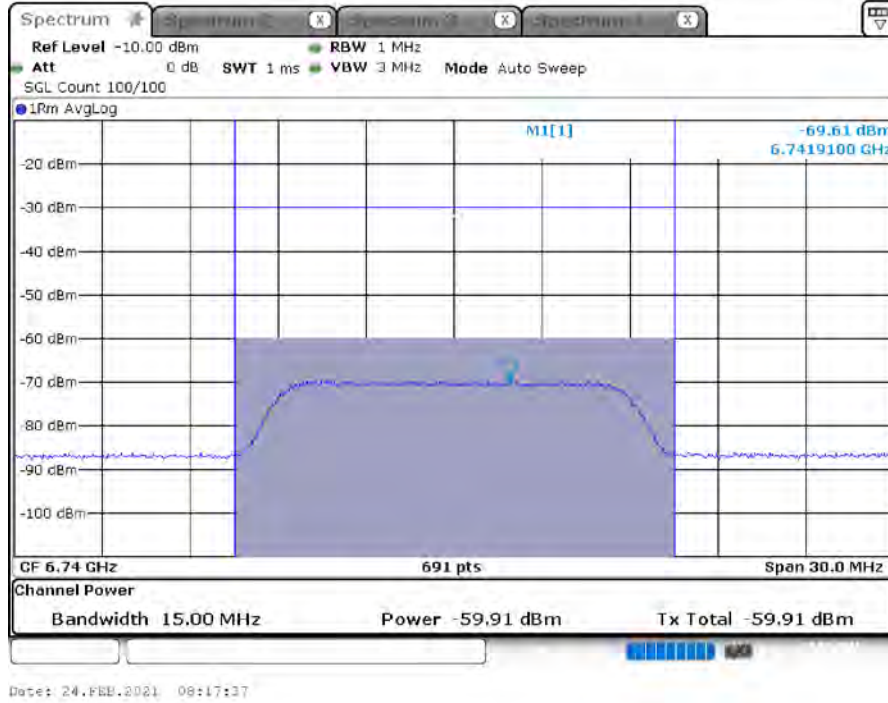
Frequency (MHz): 6590 MHz



Frequency (MHz): 6665 MHz



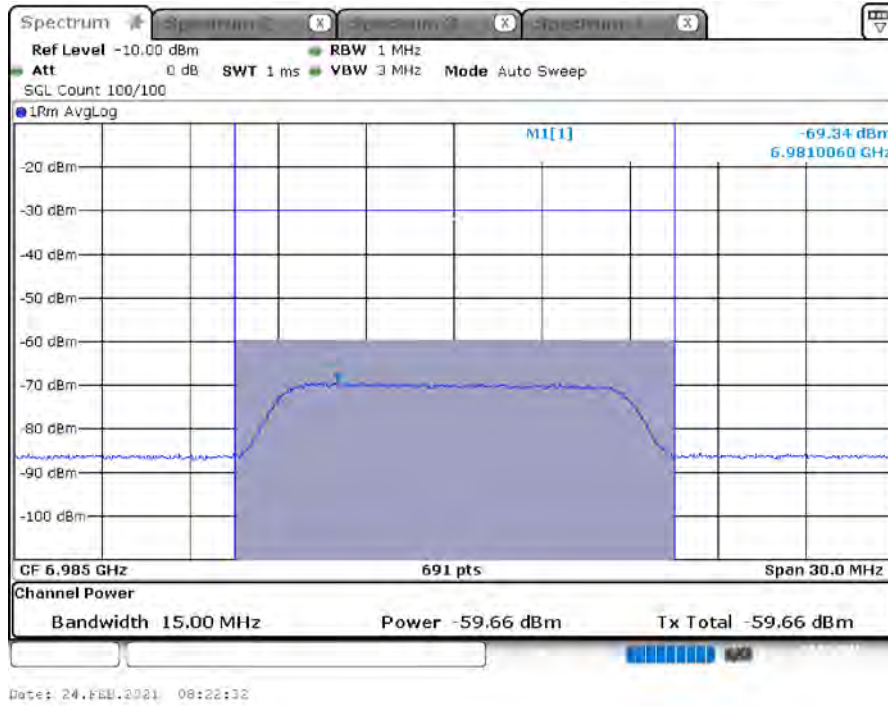
Frequency (MHz): 6740 MHz



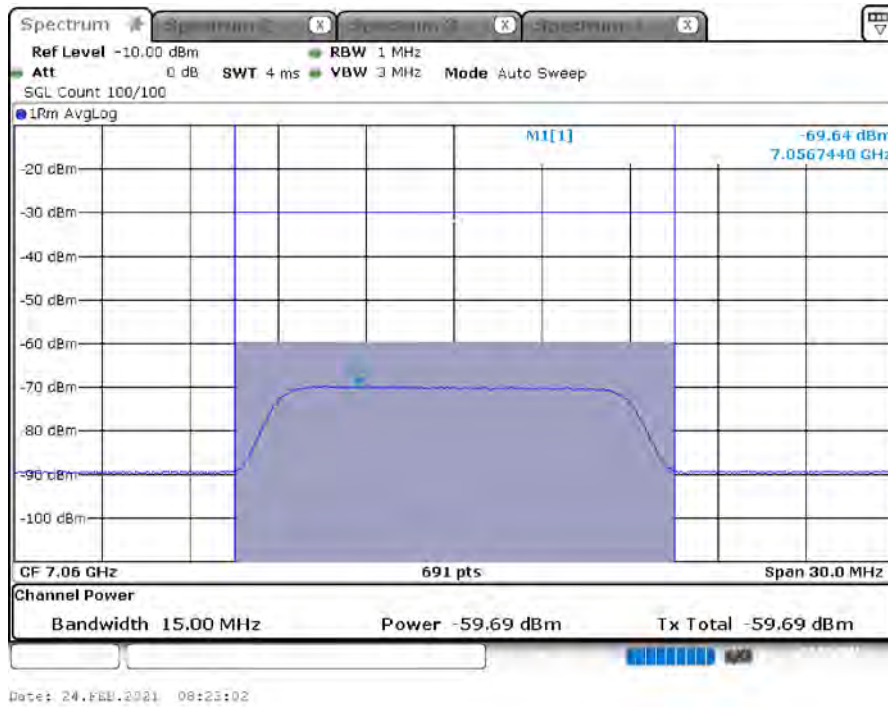
Frequency (MHz): 6910 MHz



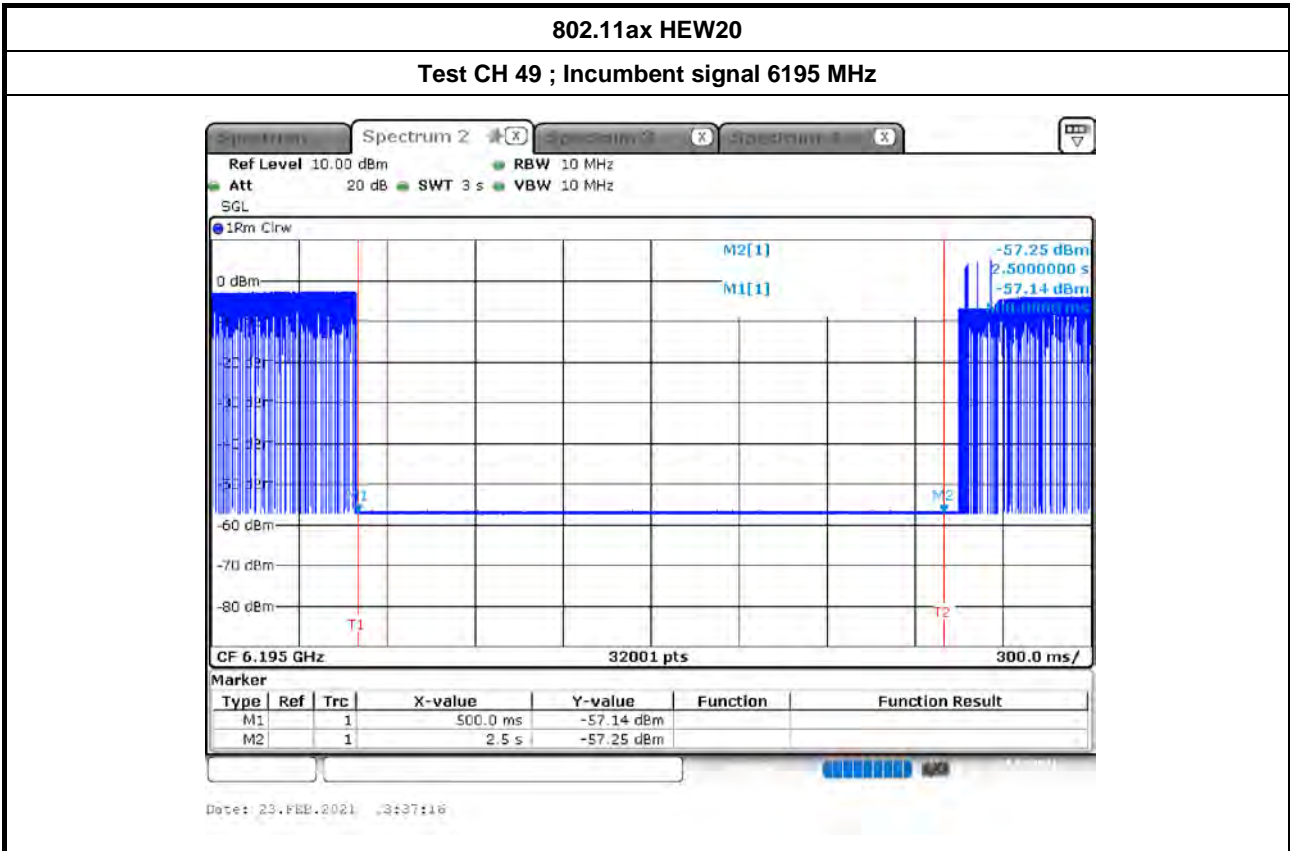
Frequency (MHz): 6985 MHz



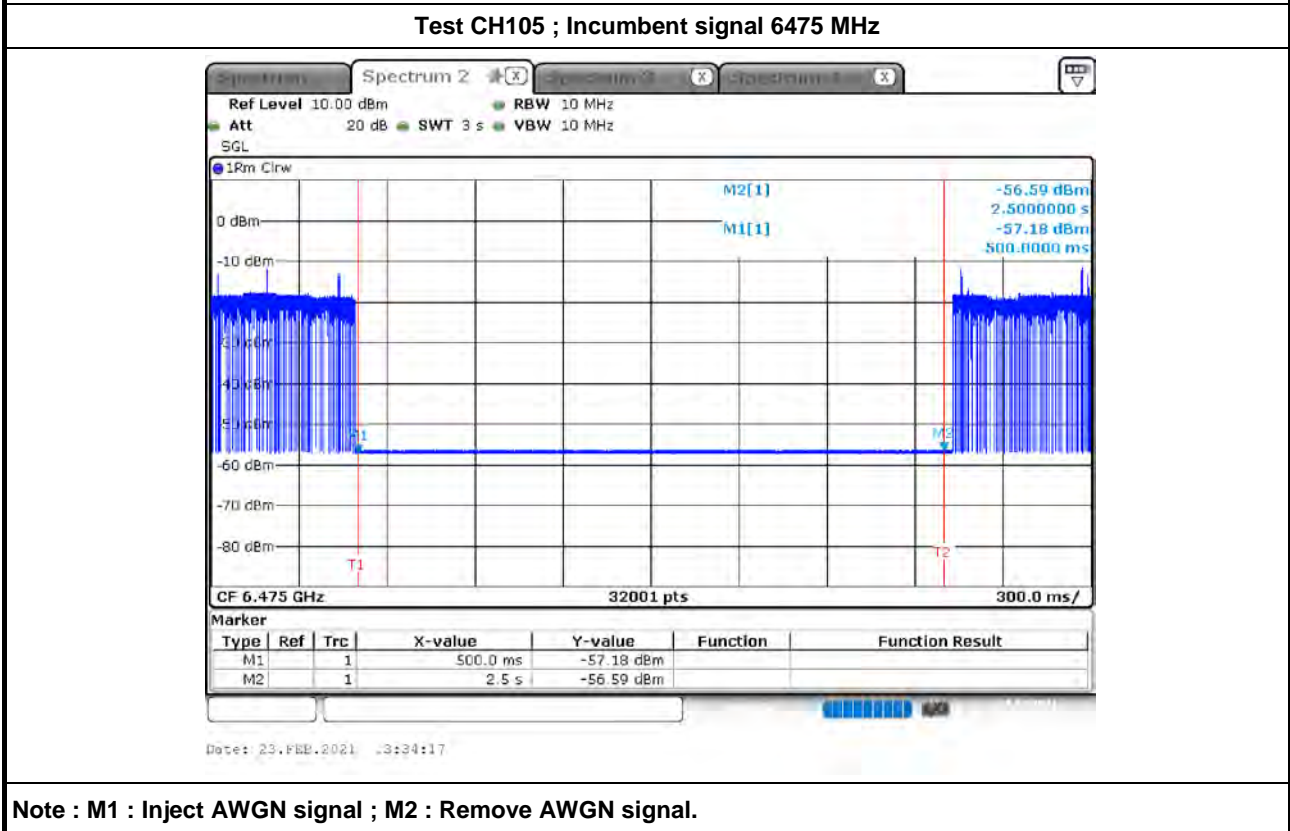
Frequency (MHz): 7060 MHz



Contention-Based Protocol Plot

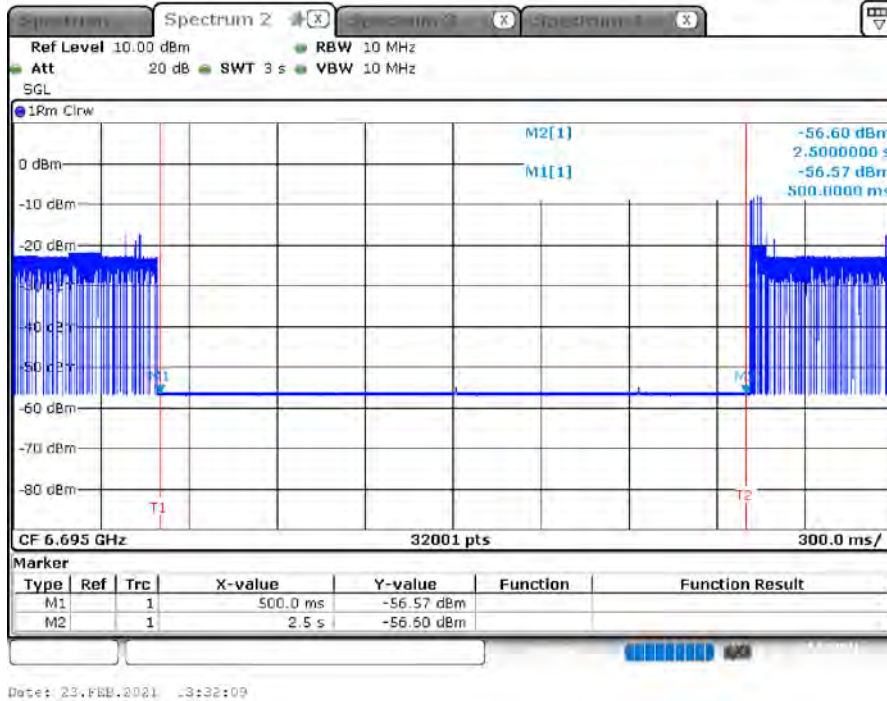


Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.



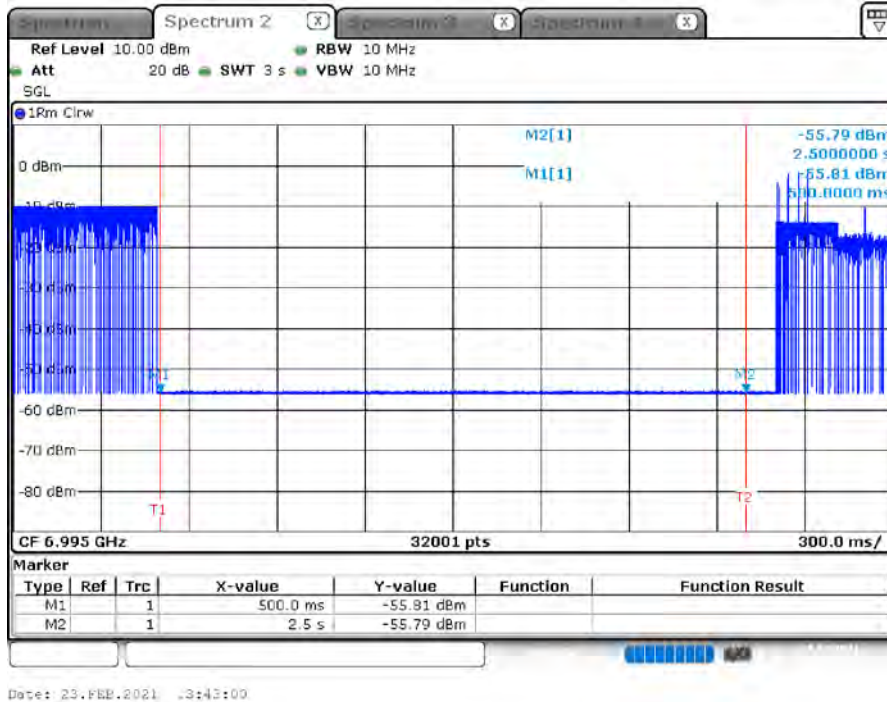
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH149 ; Incumbent signal 6695MHz



Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

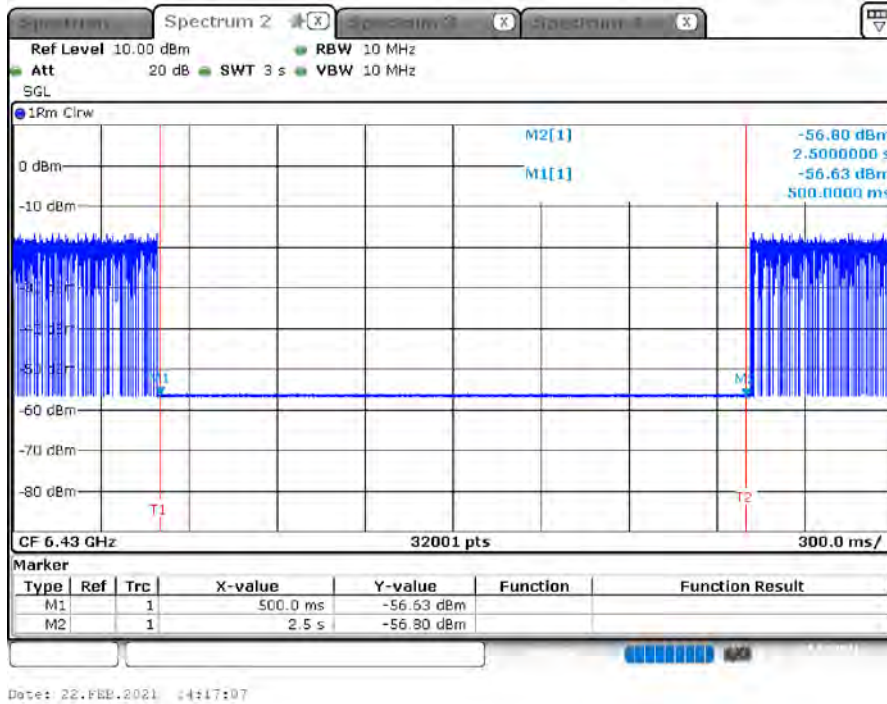
Test CH209 ; Incumbent signal 6995 MHz



Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

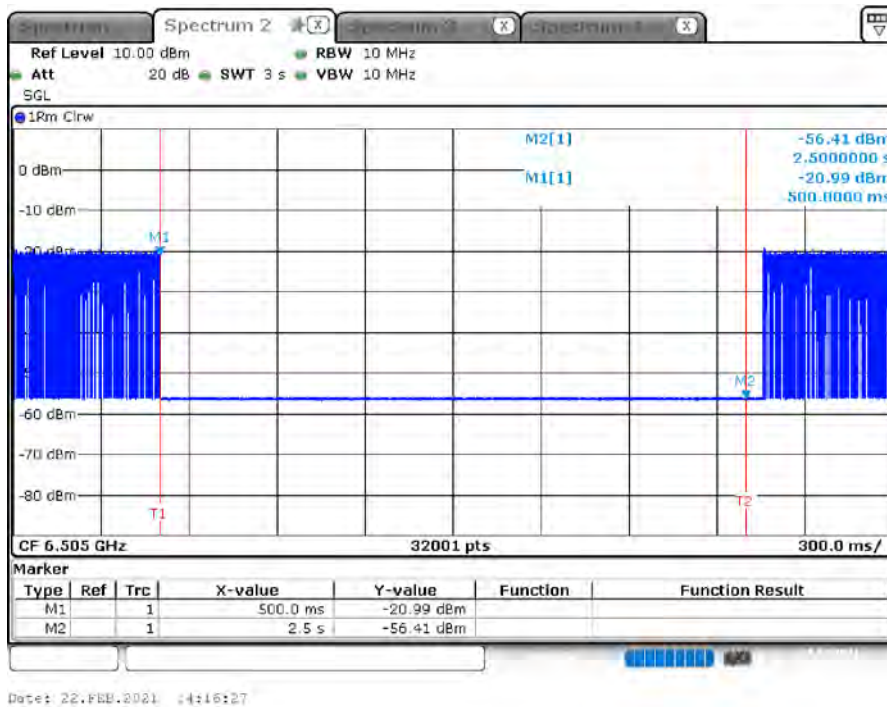
802.11ax HEW160

Test CH47 ; Incumbent signal 6430 MHz



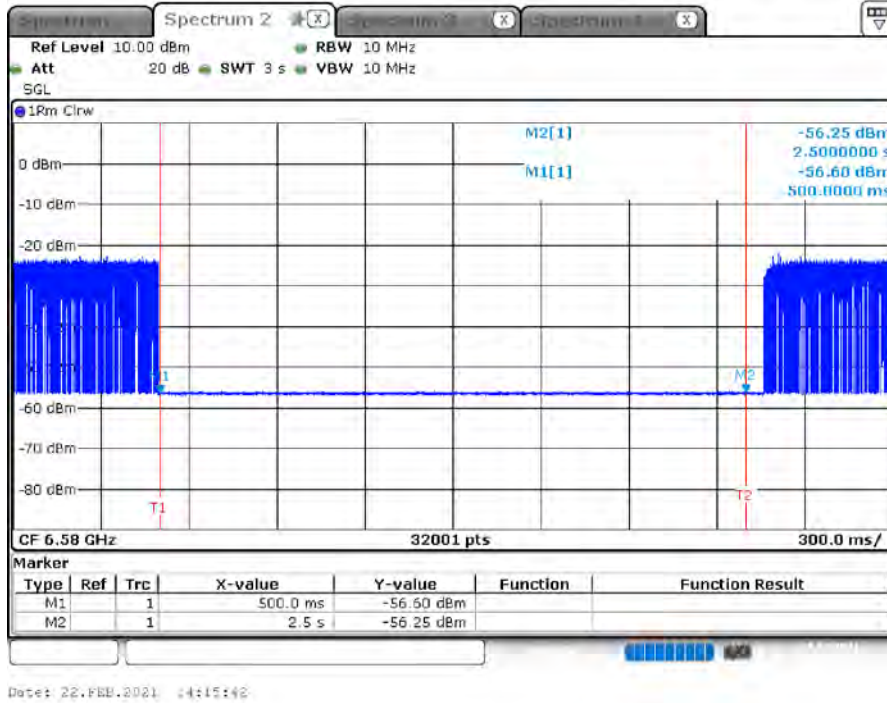
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH47 ; Incumbent signal 6505 MHz



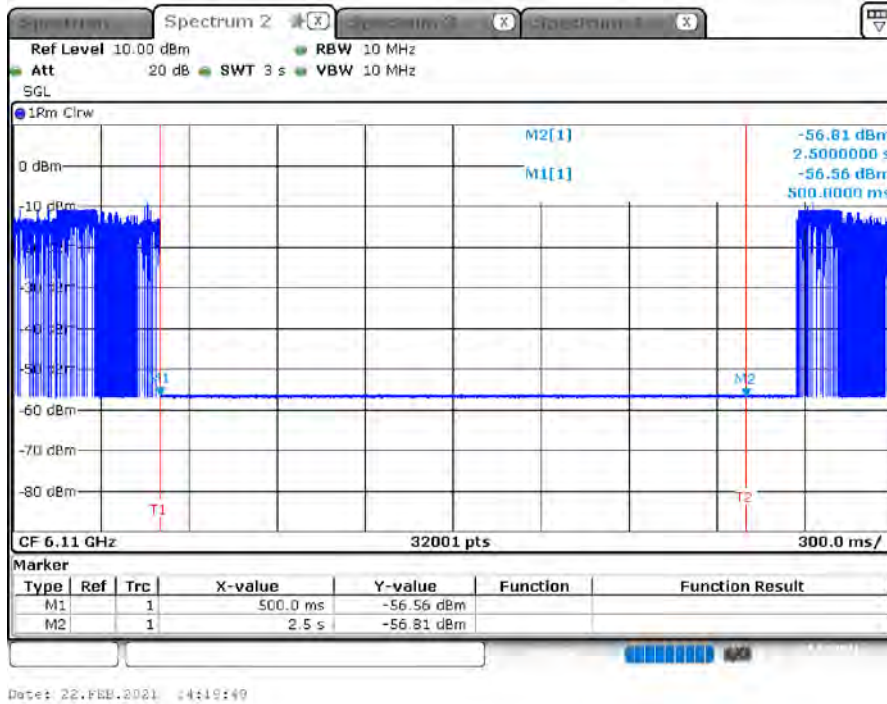
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH47 ; Incumbent signal 6580 MHz



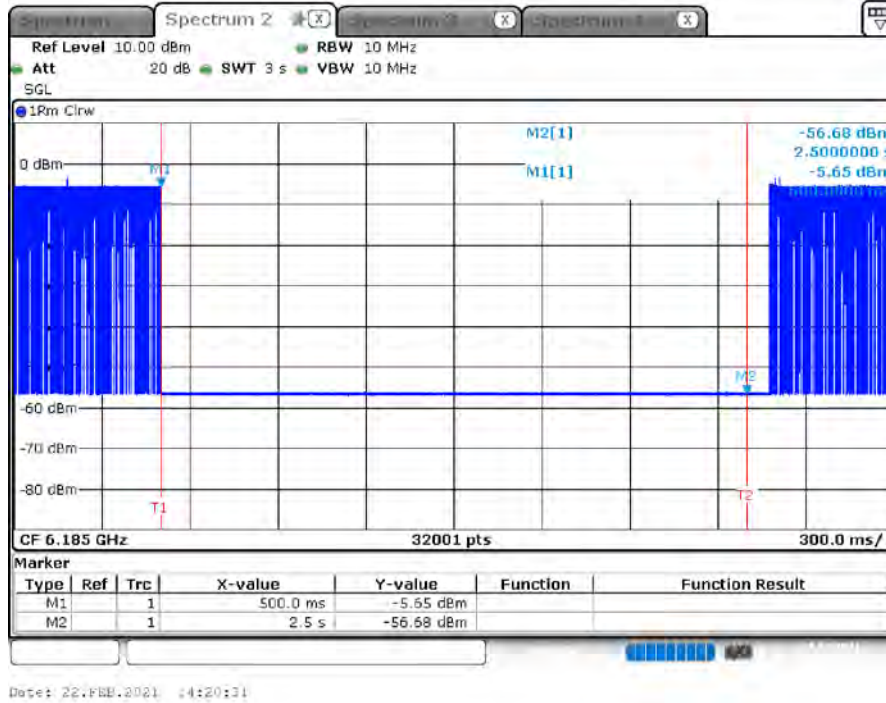
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH111 ; Incumbent signal 6110 MHz



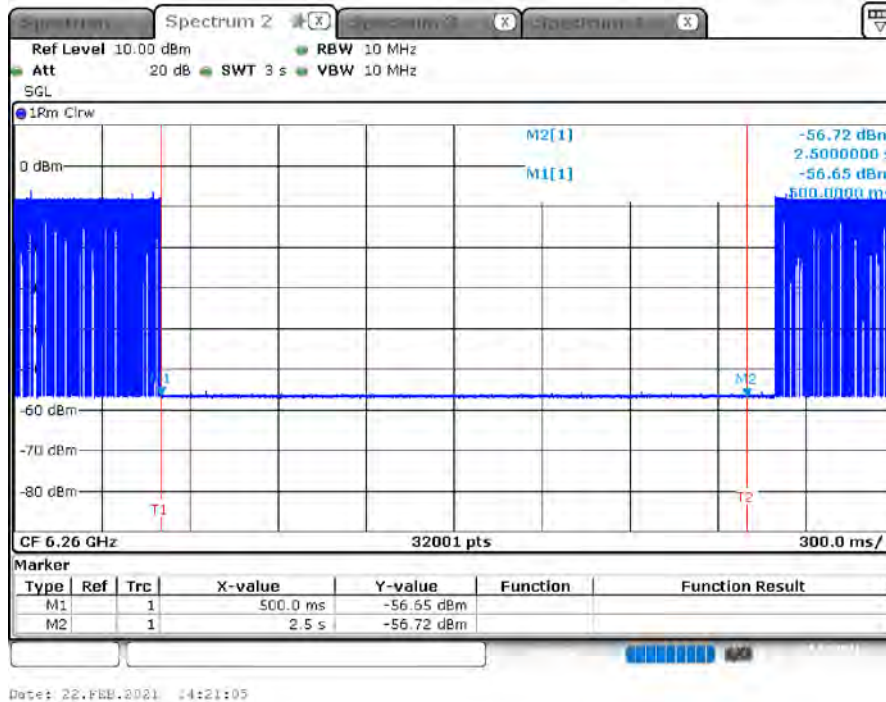
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH111 ; Incumbent signal 6185 MHz



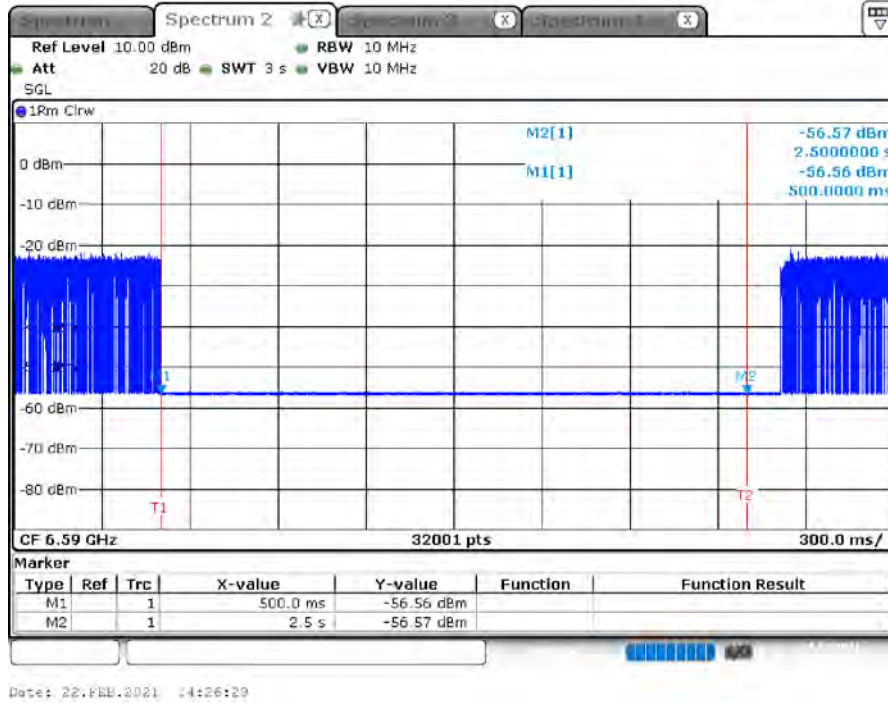
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH111 ; Incumbent signal 6260 MHz



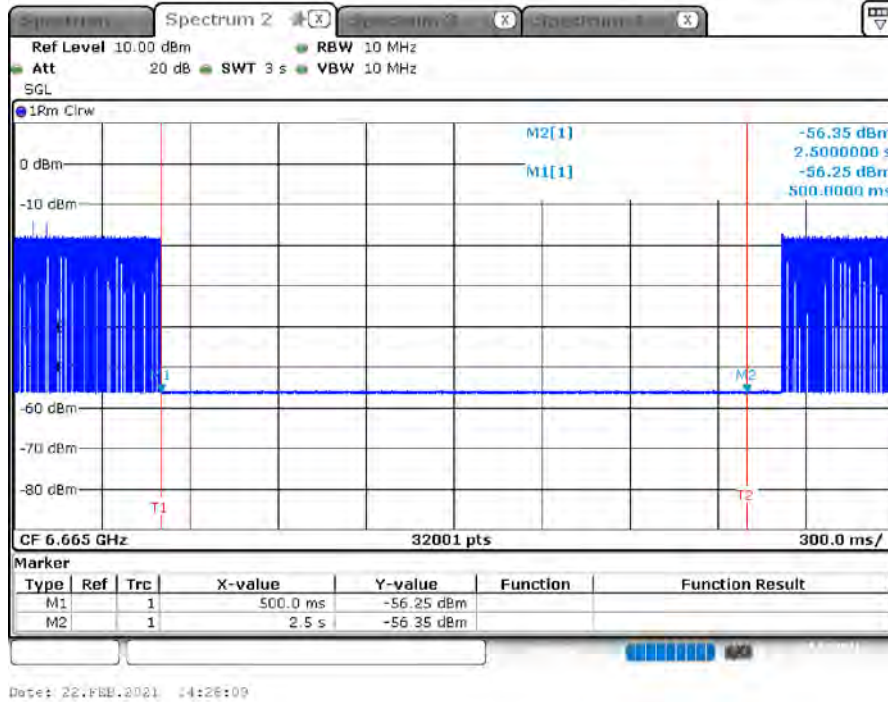
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH143 ; Incumbent signal 6590 MHz



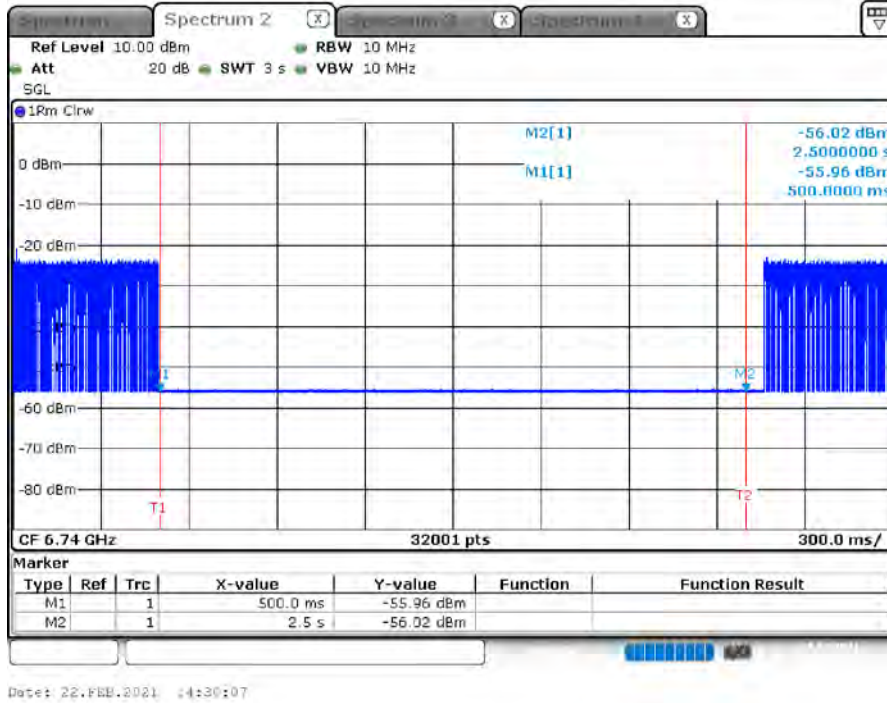
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH143 ; Incumbent signal 6665 MHz



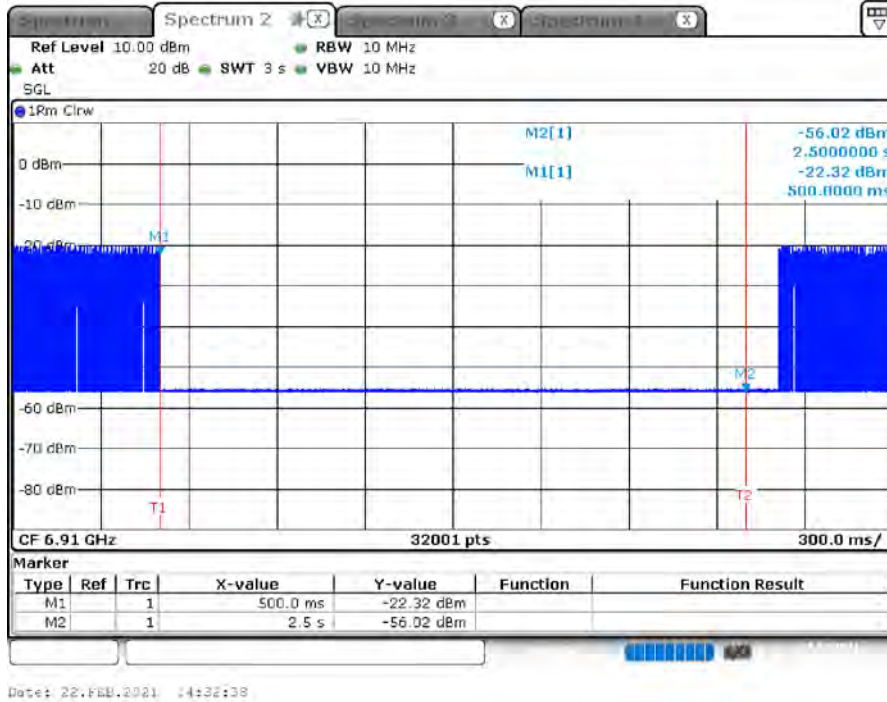
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH143 ; Incumbent signal 6740 MHz



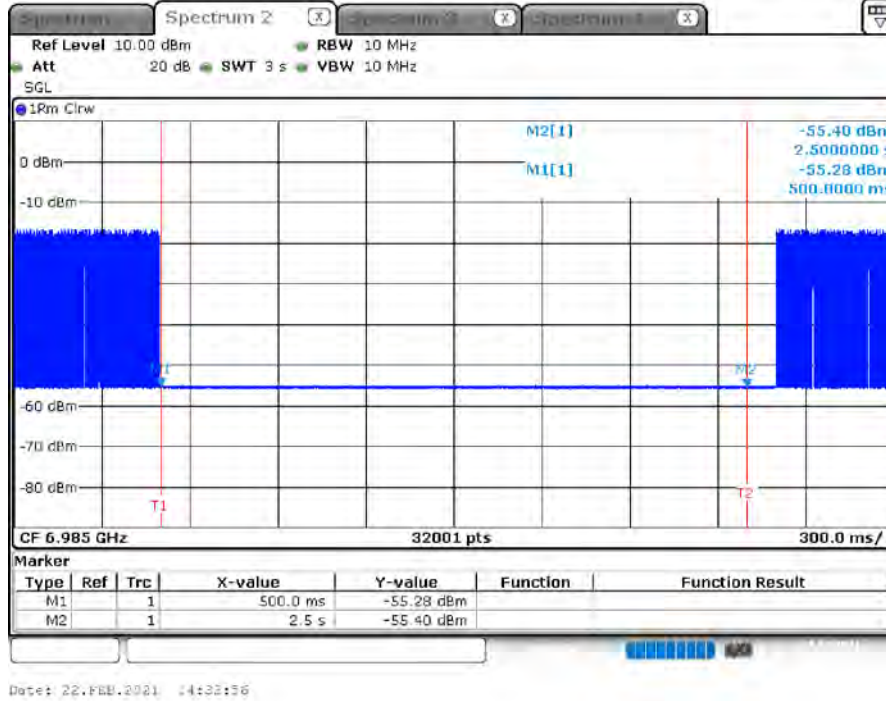
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH 207 ; Incumbent signal 6910 MHz



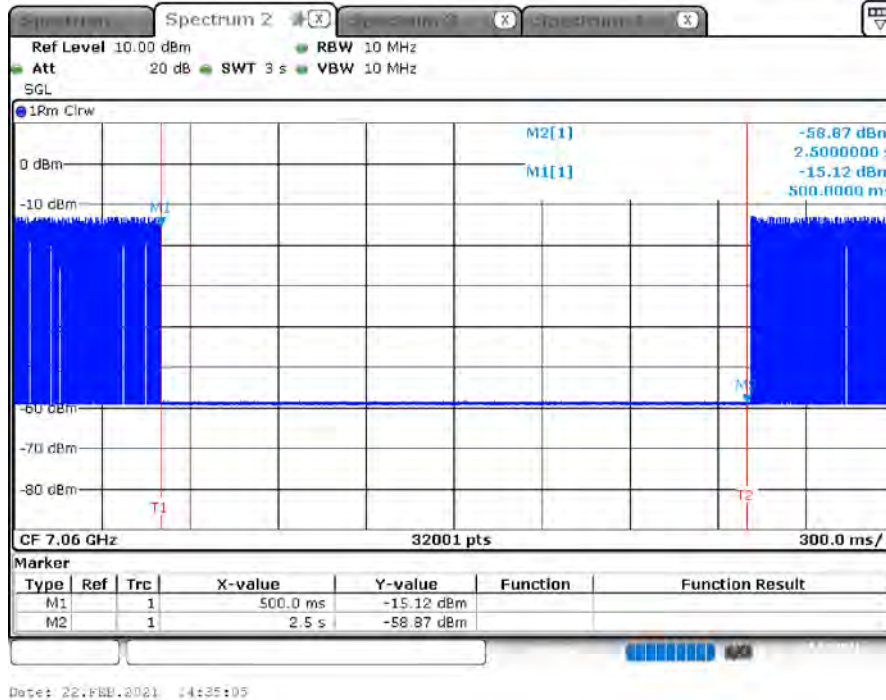
Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH 207 ; Incumbent signal 6985 MHz



Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.

Test CH 207 ; Incumbent signal 7060 MHz



Note : M1 : Inject AWGN signal ; M2 : Remove AWGN signal.



| Contention Based Protocol Threshold Level Verify | | | | | | | |
|--|--------------|-----------------|-------------|------------------------------|------|--|---------------------|
| UNII Band | Test Channel | Bandwidth (MHz) | Freq. (MHz) | Intefference Frequency (MHz) | | Threshold Level of AWGN Interference (dBm) | Situation of EUT |
| 5 | 49 | 20 | 6195 | Center | 6195 | -66.28 | Start transmission. |
| 5 | 47 | 160 | 6185 | Low edge | 6110 | -65.28 | Start transmission. |
| | | | | Center | 6185 | -62.28 | Start transmission. |
| | | | | High edge | 6260 | -62.28 | Start transmission. |

Contention Based Protocol Threshold Level Verify Plot

Bandwidth (MHz): 20

Frequency (MHz): 6195 MHz (Threshold Level: -66.28 dBm)

