

B2

Project No.: 2407V20721E-RF

Test Mode: 11a 5260

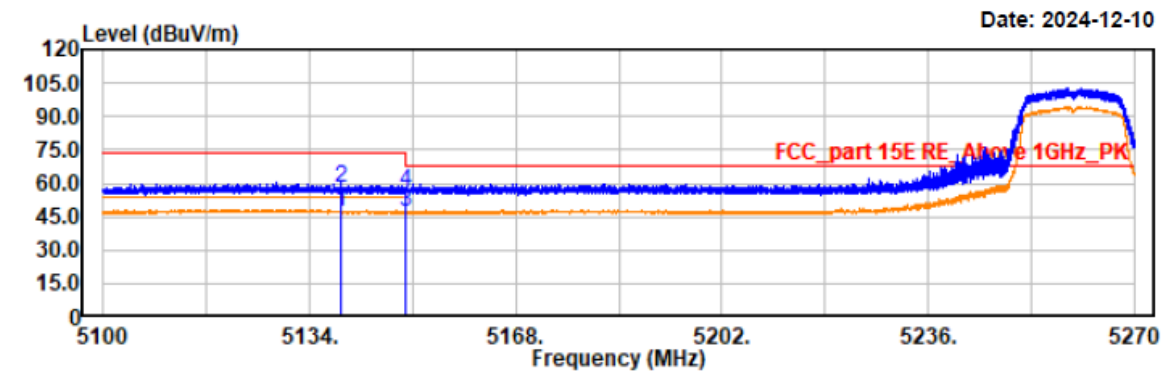
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



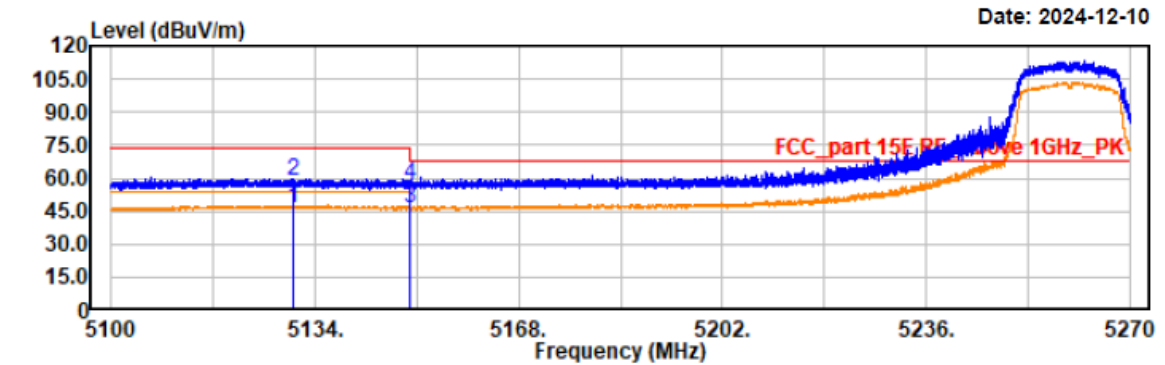
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5139.32     | 34.81           | 12.31          | 47.12            | 54.00           | 6.88         | horizontal | Average |
| 5139.32     | 45.39           | 12.31          | 57.70            | 74.00           | 16.30        | horizontal | Peak    |
| 5149.99     | 34.85           | 12.32          | 47.17            | 54.00           | 6.83         | horizontal | Average |
| 5150.00     | 44.25           | 12.32          | 56.57            | 74.00           | 17.43        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5260  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



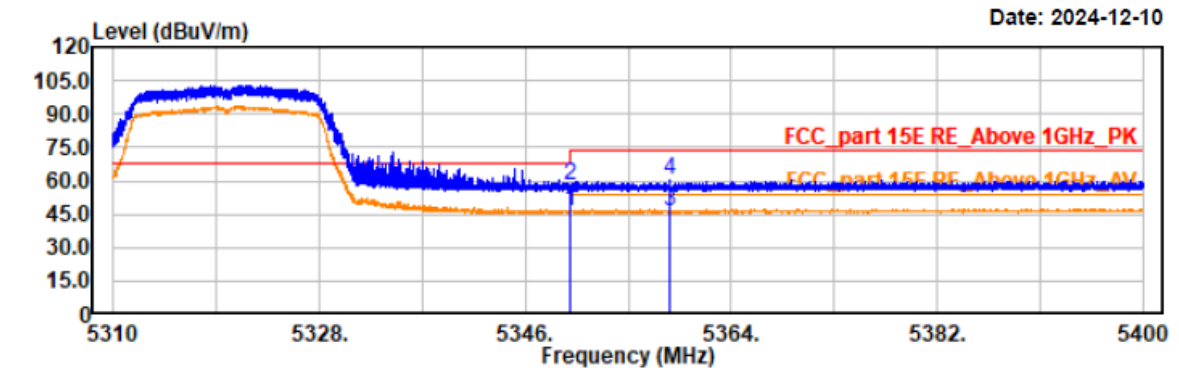
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5130.41     | 34.17           | 12.28          | 46.45            | 54.00           | 7.55         | vertical | Average |
| 5130.41     | 46.24           | 12.28          | 58.52            | 74.00           | 15.48        | vertical | Peak    |
| 5149.99     | 33.97           | 12.32          | 46.29            | 54.00           | 7.71         | vertical | Average |
| 5150.00     | 44.94           | 12.32          | 57.26            | 74.00           | 16.74        | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5320  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



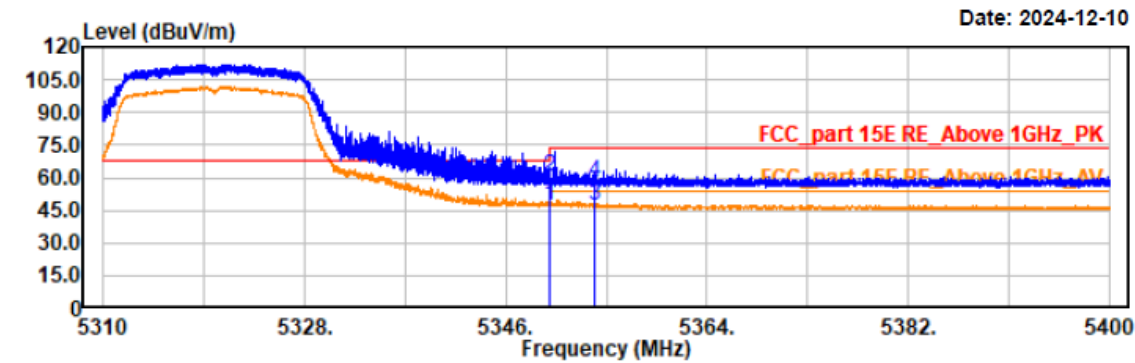
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5350.00     | 33.34           | 12.75          | 46.09            | 54.00           | 7.91         | horizontal | Average |
| 5350.01     | 45.39           | 12.75          | 58.14            | 74.00           | 15.86        | horizontal | Peak    |
| 5358.66     | 33.50           | 12.76          | 46.26            | 54.00           | 7.74         | horizontal | Average |
| 5358.66     | 47.45           | 12.76          | 60.21            | 74.00           | 13.79        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5320  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



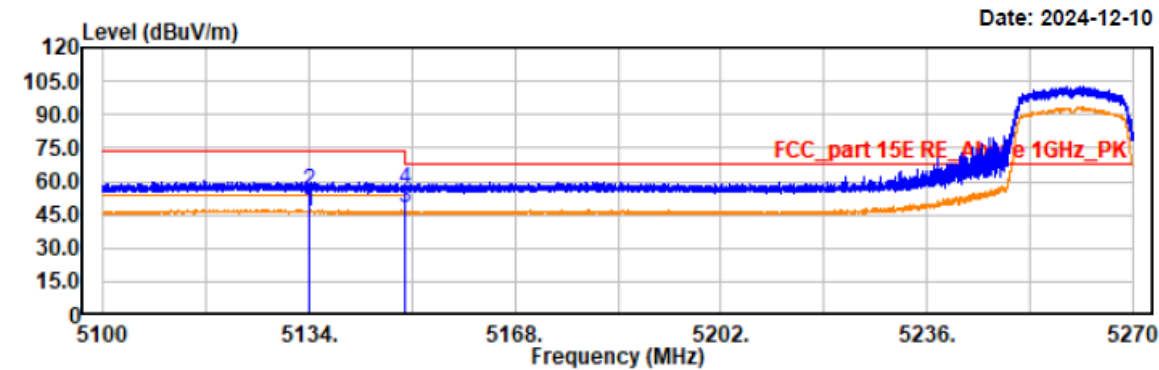
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5350.00     | 34.31           | 12.75          | 47.06            | 54.00           | 6.94         | vertical | Average |
| 5350.01     | 47.75           | 12.75          | 60.50            | 74.00           | 13.50        | vertical | Peak    |
| 5354.01     | 34.38           | 12.76          | 47.14            | 54.00           | 6.86         | vertical | Average |
| 5354.01     | 45.53           | 12.76          | 58.29            | 74.00           | 15.71        | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5260  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5133.92     | 33.87           | 12.30          | 46.17            | 54.00           | 7.83         | horizontal | Average |
| 5133.92     | 43.48           | 12.30          | 55.78            | 74.00           | 18.22        | horizontal | Peak    |
| 5150.00     | 35.29           | 12.32          | 47.61            | 54.00           | 6.39         | horizontal | Average |
| 5150.00     | 43.90           | 12.32          | 56.22            | 74.00           | 17.78        | horizontal | Peak    |

Project No.: 2407V20721E-RF

Test Mode: 11n20 5260

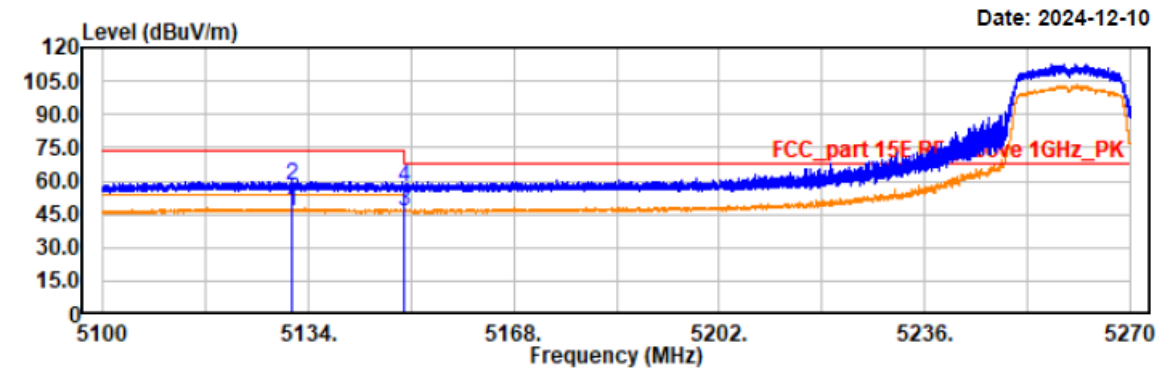
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5131.38     | 34.40           | 12.28          | 46.68            | 54.00           | 7.32         | vertical | Average |
| 5131.38     | 45.54           | 12.28          | 57.82            | 74.00           | 16.18        | vertical | Peak    |
| 5149.99     | 33.82           | 12.32          | 46.14            | 54.00           | 7.86         | vertical | Average |
| 5150.00     | 44.87           | 12.32          | 57.19            | 74.00           | 16.81        | vertical | Peak    |

Project No.: 2407V20721E-RF

Test Mode: 11n20 5320

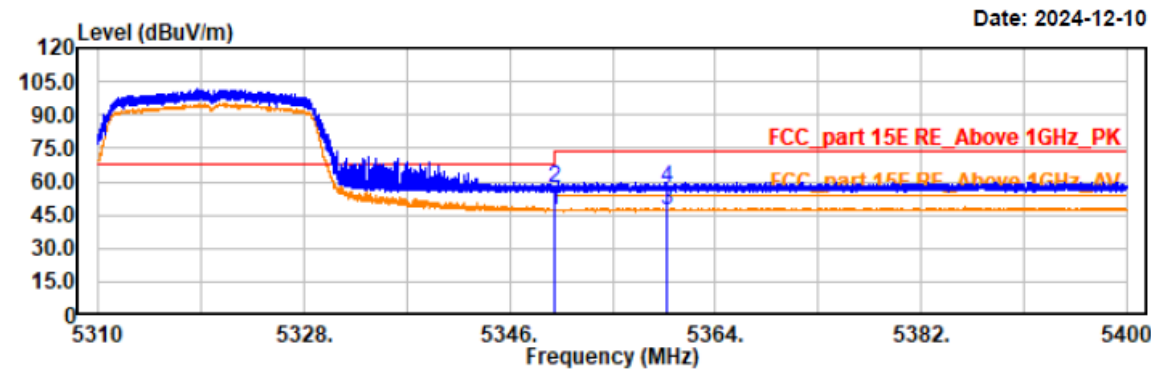
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5350.01     | 34.42           | 12.75          | 47.17            | 54.00           | 6.83         | horizontal | Average |
| 5350.01     | 44.08           | 12.75          | 56.83            | 74.00           | 17.17        | horizontal | Peak    |
| 5359.82     | 34.39           | 12.76          | 47.15            | 54.00           | 6.85         | horizontal | Average |
| 5359.82     | 44.05           | 12.76          | 56.81            | 74.00           | 17.19        | horizontal | Peak    |

Project No.: 2407V20721E-RF

Test Mode: 11n20 5320

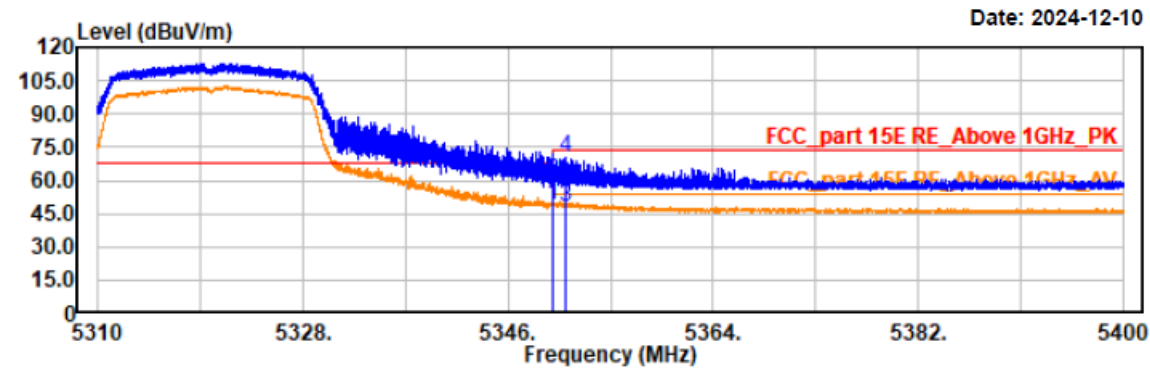
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



Trace: 1

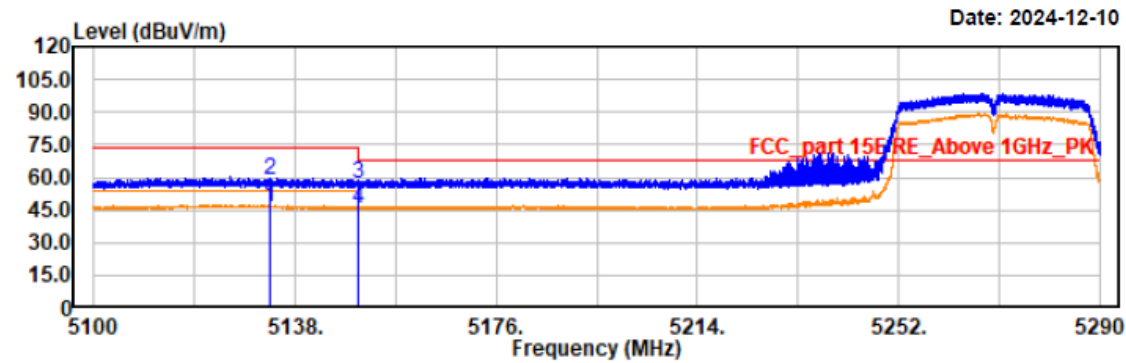
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5350.01     | 35.72           | 12.75          | 48.47            | 54.00           | 5.53         | vertical | Average |
| 5350.01     | 47.09           | 12.75          | 59.84            | 74.00           | 14.16        | vertical | Peak    |
| 5351.09     | 35.30           | 12.75          | 48.05            | 54.00           | 5.95         | vertical | Average |
| 5351.09     | 57.28           | 12.75          | 70.03            | 74.00           | 3.97         | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5270  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



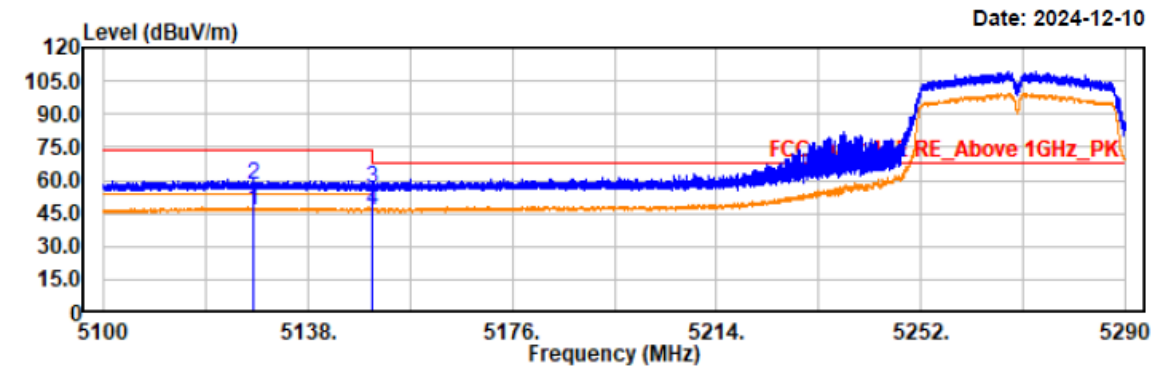
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5133.19     | 33.97           | 12.30          | 46.27            | 54.00           | 7.73         | horizontal | Average |
| 5133.19     | 46.38           | 12.30          | 58.68            | 74.00           | 15.32        | horizontal | Peak    |
| 5149.99     | 45.01           | 12.32          | 57.33            | 74.00           | 16.67        | horizontal | Peak    |
| 5149.99     | 33.40           | 12.32          | 45.72            | 54.00           | 8.28         | horizontal | Average |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5270  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



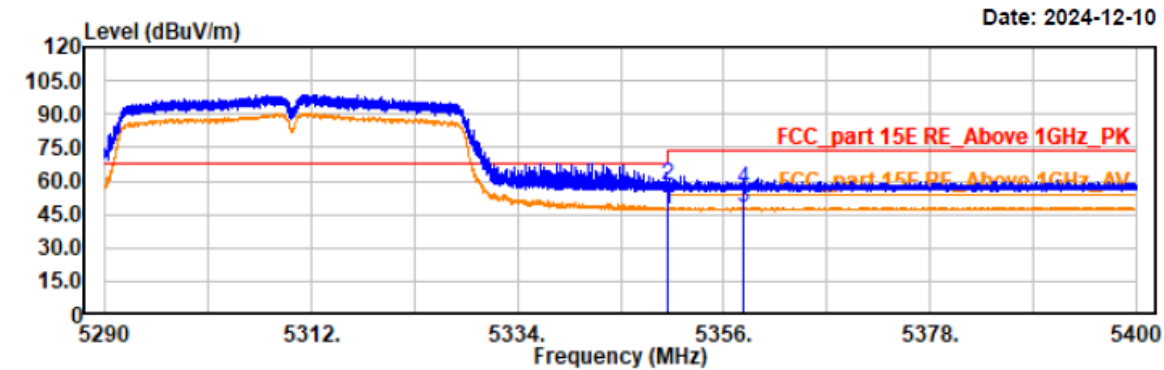
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5127.82     | 34.09           | 12.28          | 46.37            | 54.00           | 7.63         | vertical | Average |
| 5127.82     | 45.39           | 12.28          | 57.67            | 74.00           | 16.33        | vertical | Peak    |
| 5149.99     | 43.88           | 12.32          | 56.20            | 74.00           | 17.80        | vertical | Peak    |
| 5149.99     | 33.83           | 12.32          | 46.15            | 54.00           | 7.85         | vertical | Average |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5310  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



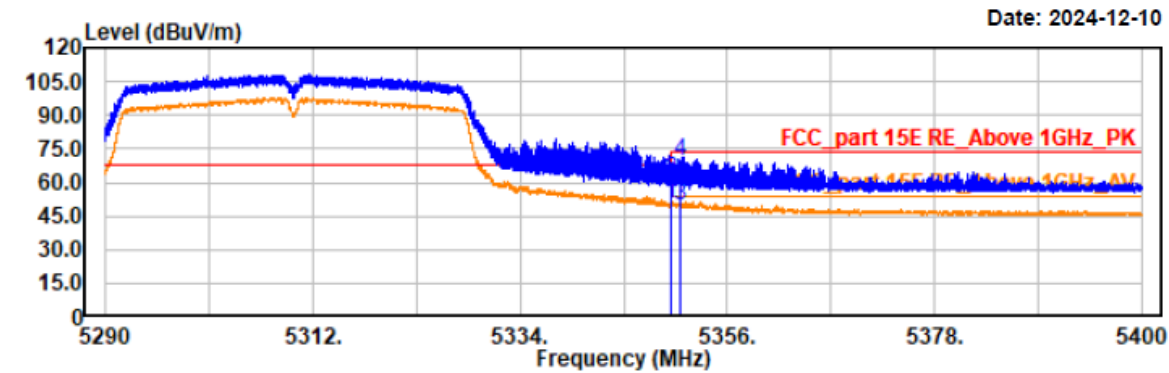
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5350.01     | 34.75           | 12.75          | 47.50            | 54.00           | 6.50         | horizontal | Average |
| 5350.01     | 45.54           | 12.75          | 58.29            | 74.00           | 15.71        | horizontal | Peak    |
| 5358.05     | 35.12           | 12.76          | 47.88            | 54.00           | 6.12         | horizontal | Average |
| 5358.05     | 43.62           | 12.76          | 56.38            | 74.00           | 17.62        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5310  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5350.01     | 38.11           | 12.75          | 50.86            | 54.00           | 3.14         | vertical | Average |
| 5350.01     | 48.34           | 12.75          | 61.09            | 74.00           | 12.91        | vertical | Peak    |
| 5351.04     | 37.09           | 12.75          | 49.84            | 54.00           | 4.16         | vertical | Average |
| 5351.04     | 57.06           | 12.75          | 69.81            | 74.00           | 4.19         | vertical | Peak    |

Project No.: 2407V20721E-RF

Test Mode: 11ac80 5290

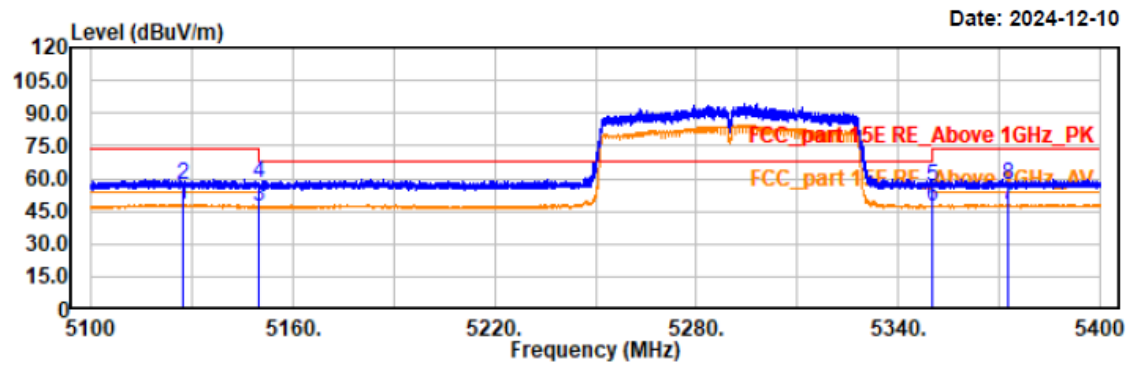
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



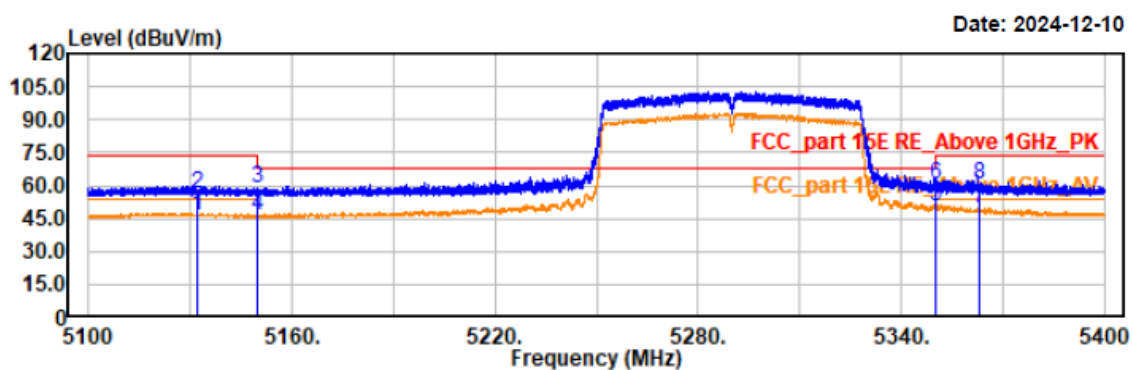
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5127.12     | 35.50           | 12.27          | 47.77            | 54.00           | 6.23         | horizontal | Average |
| 5127.12     | 44.99           | 12.27          | 57.26            | 74.00           | 16.74        | horizontal | Peak    |
| 5149.99     | 34.60           | 12.32          | 46.92            | 54.00           | 7.08         | horizontal | Average |
| 5149.99     | 45.99           | 12.32          | 58.31            | 74.00           | 15.69        | horizontal | Peak    |
| 5349.99     | 43.90           | 12.75          | 56.65            | 74.00           | 17.35        | horizontal | Peak    |
| 5350.00     | 34.81           | 12.75          | 47.56            | 54.00           | 6.44         | horizontal | Average |
| 5372.88     | 34.86           | 12.80          | 47.66            | 54.00           | 6.34         | horizontal | Average |
| 5372.88     | 44.29           | 12.80          | 57.09            | 74.00           | 16.91        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5290  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5132.01     | 34.23           | 12.28          | 46.51            | 54.00           | 7.49         | vertical | Average |
| 5132.01     | 44.38           | 12.28          | 56.66            | 74.00           | 17.34        | vertical | Peak    |
| 5149.98     | 46.14           | 12.32          | 58.46            | 74.00           | 15.54        | vertical | Peak    |
| 5149.99     | 33.95           | 12.32          | 46.27            | 54.00           | 7.73         | vertical | Average |
| 5349.99     | 37.74           | 12.75          | 50.49            | 54.00           | 3.51         | vertical | Average |
| 5350.00     | 47.76           | 12.75          | 60.51            | 74.00           | 13.49        | vertical | Peak    |
| 5362.89     | 37.16           | 12.77          | 49.93            | 54.00           | 4.07         | vertical | Average |
| 5362.89     | 47.83           | 12.77          | 60.60            | 74.00           | 13.40        | vertical | Peak    |

B3

Project No.: 2407V20721E-RF

Test Mode: 11a 5500

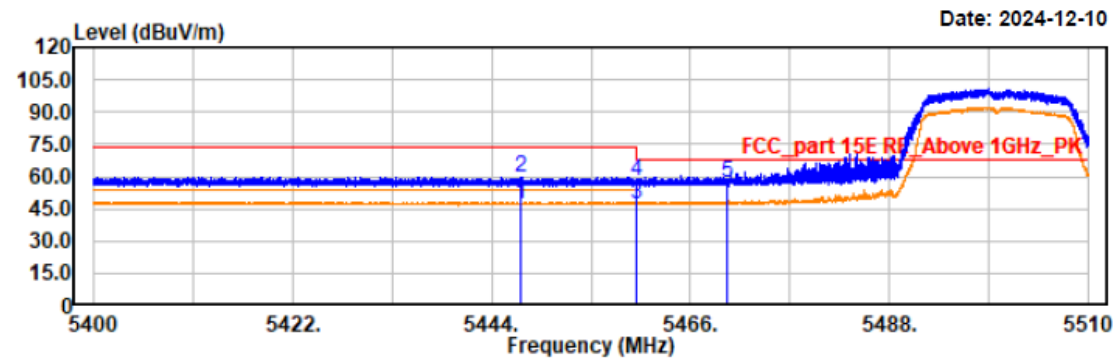
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



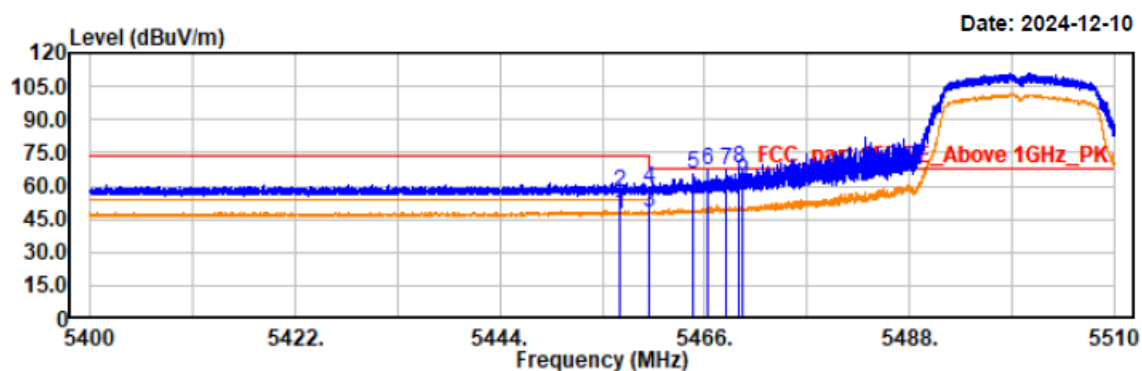
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5447.26     | 34.25           | 12.94          | 47.19            | 54.00           | 6.81         | horizontal | Average |
| 5447.26     | 46.46           | 12.94          | 59.40            | 74.00           | 14.60        | horizontal | Peak    |
| 5459.99     | 34.40           | 12.96          | 47.36            | 54.00           | 6.64         | horizontal | Average |
| 5459.99     | 44.77           | 12.96          | 57.73            | 74.00           | 16.27        | horizontal | Peak    |
| 5470.00     | 44.38           | 12.96          | 57.34            | 68.20           | 10.86        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5500  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



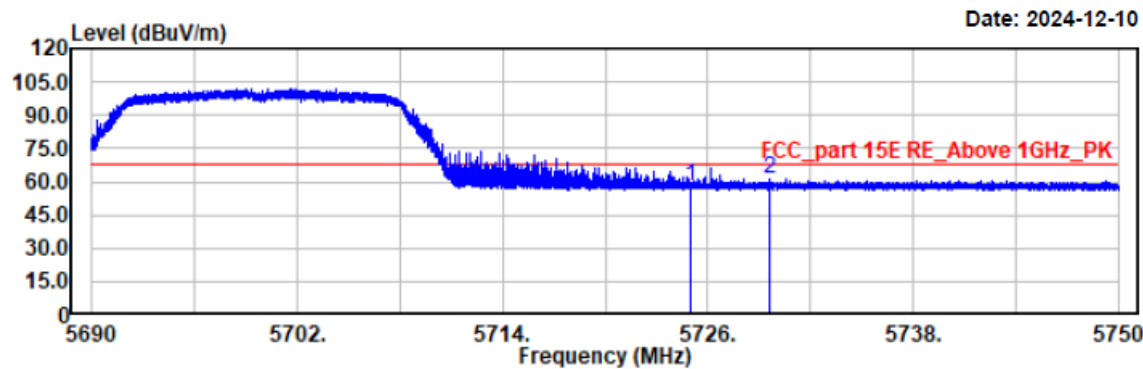
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5456.83     | 34.05           | 12.96          | 47.01            | 54.00           | 6.99         | vertical | Average |
| 5456.83     | 44.12           | 12.96          | 57.08            | 74.00           | 16.92        | vertical | Peak    |
| 5459.99     | 34.65           | 12.96          | 47.61            | 54.00           | 6.39         | vertical | Average |
| 5459.99     | 45.45           | 12.96          | 58.41            | 74.00           | 15.59        | vertical | Peak    |
| 5464.70     | 52.59           | 12.96          | 65.55            | 68.20           | 2.65         | vertical | Peak    |
| 5466.29     | 53.70           | 12.96          | 66.66            | 68.20           | 1.54         | vertical | Peak    |
| 5468.26     | 53.67           | 12.96          | 66.63            | 68.20           | 1.57         | vertical | Peak    |
| 5469.62     | 55.18           | 12.96          | 68.14            | 68.20           | 0.06         | vertical | Peak    |
| 5470.00     | 48.74           | 12.96          | 61.70            | 68.20           | 6.50         | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5700  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5725.00     | 44.63           | 13.45          | 58.08            | 68.20           | 10.12        | horizontal | Peak   |
| 5729.65     | 48.18           | 13.44          | 61.62            | 68.20           | 6.58         | horizontal | Peak   |

Project No.: 2407V20721E-RF

Test Mode: 11a 5700

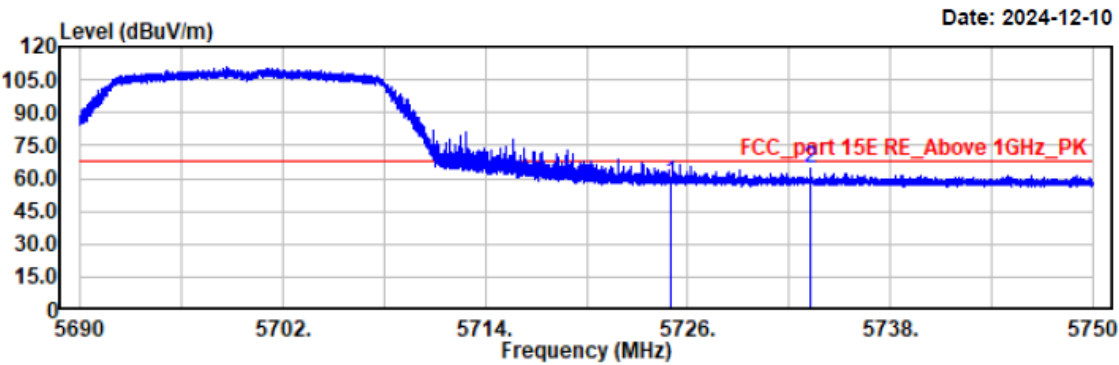
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz

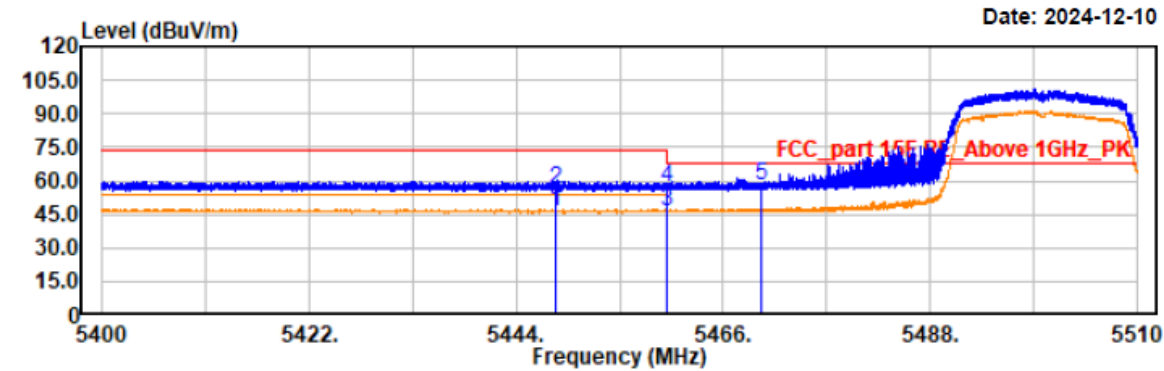


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5725.00     | 44.46           | 13.45          | 57.91            | 68.20           | 10.29        | vertical | Peak   |
| 5733.23     | 51.38           | 13.45          | 64.83            | 68.20           | 3.37         | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5500  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



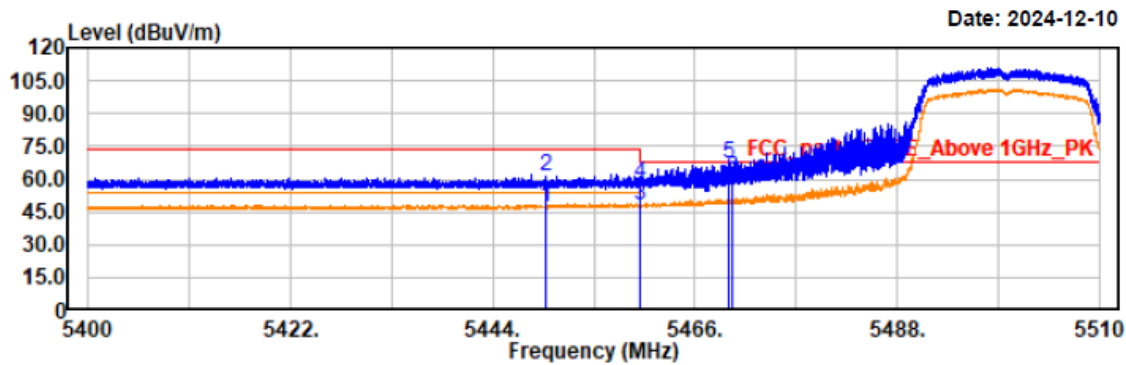
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5448.27     | 33.09           | 12.95          | 46.04            | 54.00           | 7.96         | horizontal | Average |
| 5448.27     | 42.97           | 12.95          | 55.92            | 74.00           | 18.08        | horizontal | Peak    |
| 5459.99     | 33.35           | 12.96          | 46.31            | 54.00           | 7.69         | horizontal | Average |
| 5459.99     | 44.53           | 12.96          | 57.49            | 74.00           | 16.51        | horizontal | Peak    |
| 5470.00     | 44.60           | 12.96          | 57.56            | 68.20           | 10.64        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5500  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Trace: 1

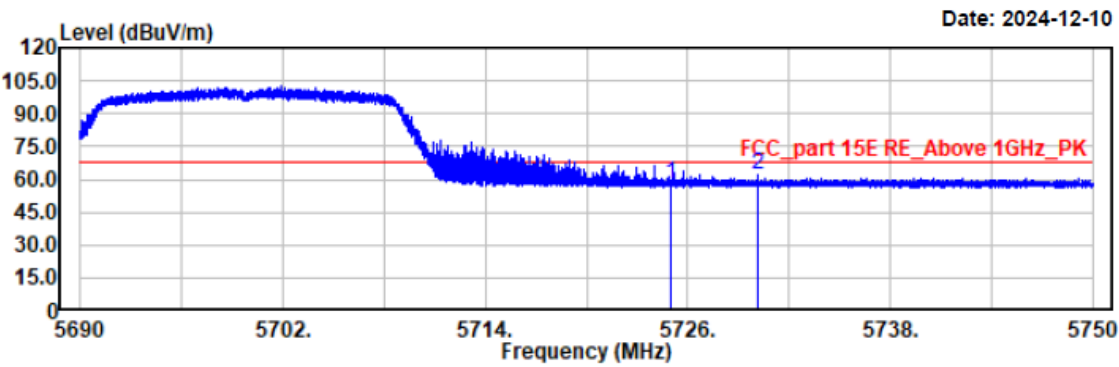
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5449.74     | 34.61           | 12.95          | 47.56            | 54.00           | 6.44         | vertical | Average |
| 5449.74     | 48.58           | 12.95          | 61.53            | 74.00           | 12.47        | vertical | Peak    |
| 5459.99     | 34.89           | 12.96          | 47.85            | 54.00           | 6.15         | vertical | Average |
| 5459.99     | 44.78           | 12.96          | 57.74            | 74.00           | 16.26        | vertical | Peak    |
| 5469.74     | 54.33           | 12.96          | 67.29            | 68.20           | 0.91         | vertical | Peak    |
| 5470.00     | 47.68           | 12.96          | 60.64            | 68.20           | 7.56         | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5700  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

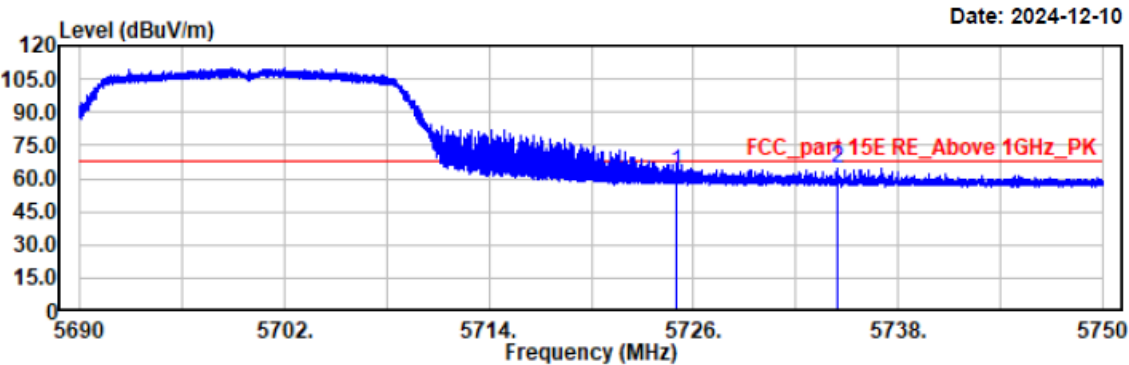


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5725.00     | 44.28           | 13.45          | 57.73            | 68.20           | 10.47        | horizontal | Peak   |
| 5730.18     | 48.92           | 13.44          | 62.36            | 68.20           | 5.84         | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5700  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5725.00     | 49.41           | 13.45          | 62.86            | 68.20           | 5.34         | vertical | Peak   |
| 5734.44     | 51.46           | 13.45          | 64.91            | 68.20           | 3.29         | vertical | Peak   |

Project No.: 2407V20721E-RF

Test Mode: 11n40 5510

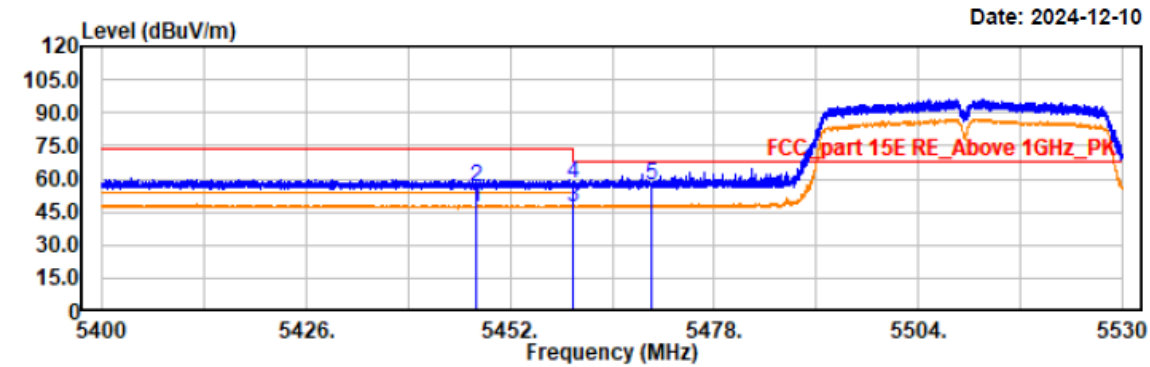
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

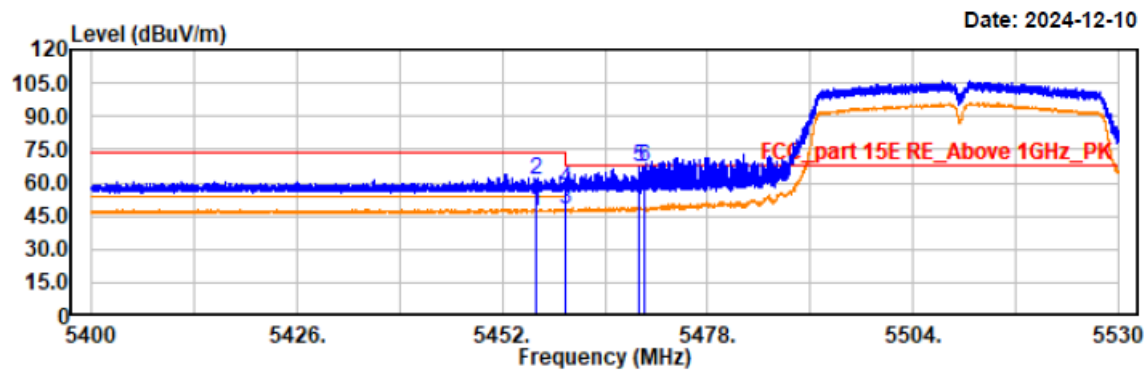
Power Source: AC120V/60Hz



| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5447.75     | 34.49           | 12.95          | 47.44            | 54.00           | 6.56         | horizontal | Average |
| 5447.75     | 43.65           | 12.95          | 56.60            | 74.00           | 17.40        | horizontal | Peak    |
| 5459.99     | 34.35           | 12.96          | 47.31            | 54.00           | 6.69         | horizontal | Average |
| 5460.00     | 44.56           | 12.96          | 57.52            | 74.00           | 16.48        | horizontal | Peak    |
| 5470.00     | 43.77           | 12.96          | 56.73            | 68.20           | 11.47        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5510  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



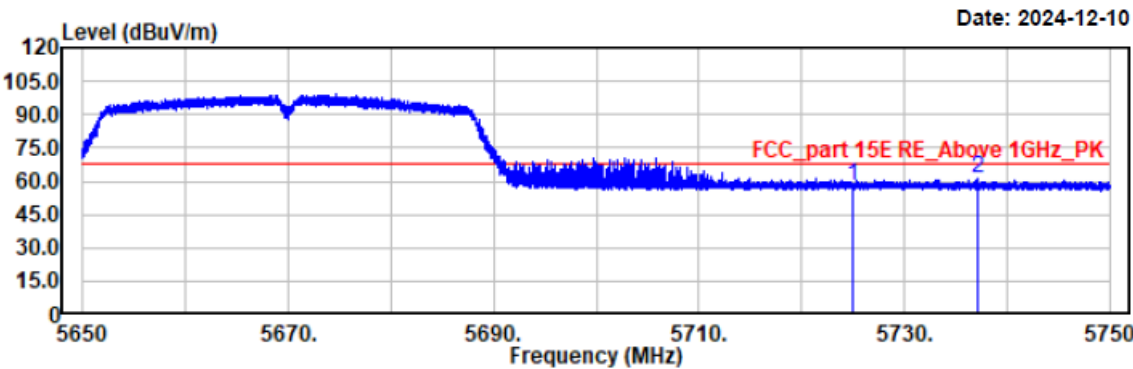
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5456.21     | 34.07           | 12.96          | 47.03            | 54.00           | 6.97         | vertical | Average |
| 5456.21     | 48.65           | 12.96          | 61.61            | 74.00           | 12.39        | vertical | Peak    |
| 5459.99     | 34.73           | 12.96          | 47.69            | 54.00           | 6.31         | vertical | Average |
| 5459.99     | 44.34           | 12.96          | 57.30            | 74.00           | 16.70        | vertical | Peak    |
| 5469.30     | 54.21           | 12.96          | 67.17            | 68.20           | 1.03         | vertical | Peak    |
| 5470.01     | 53.83           | 12.96          | 66.79            | 68.20           | 1.41         | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5670  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

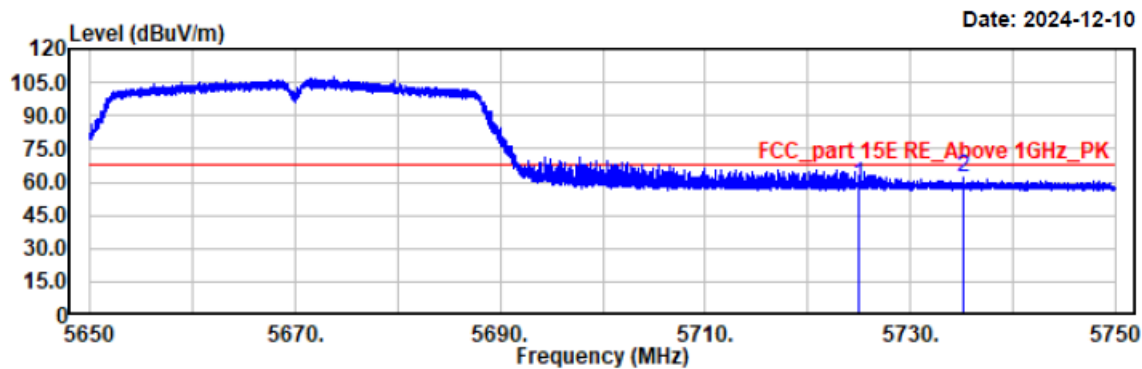


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5725.00     | 44.62           | 13.45          | 58.07            | 68.20           | 10.13        | horizontal | Peak   |
| 5737.15     | 47.55           | 13.45          | 61.00            | 68.20           | 7.20         | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5670  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

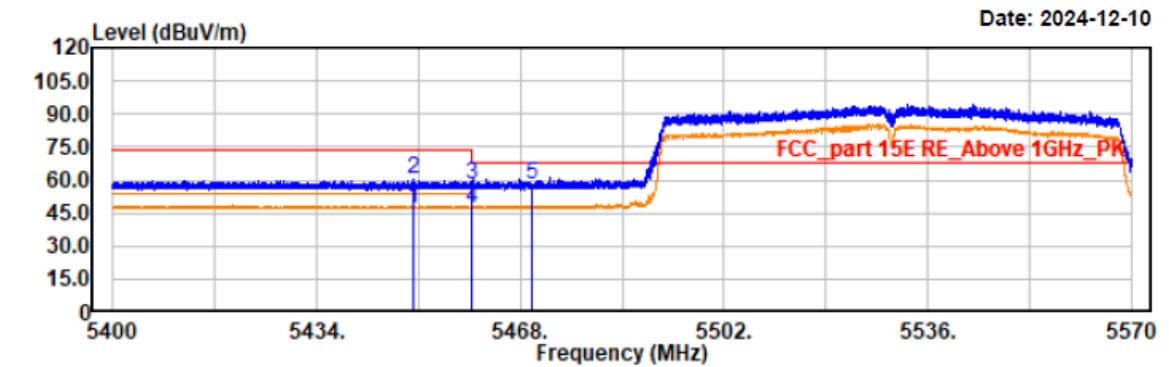


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5725.00     | 45.45           | 13.45          | 58.90            | 68.20           | 9.30         | vertical | Peak   |
| 5735.23     | 48.23           | 13.45          | 61.68            | 68.20           | 6.52         | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5530  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



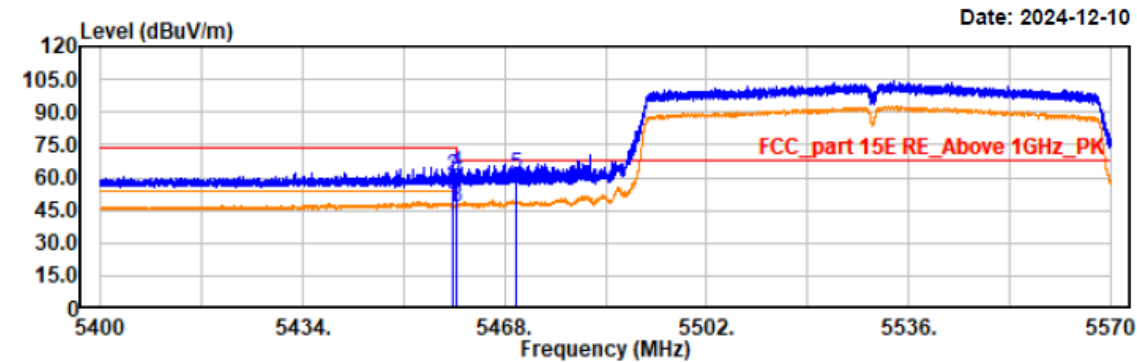
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|---------|
| 5450.03     | 34.23           | 12.95          | 47.18            | 54.00           | 6.82         | horizontal | Average |
| 5450.03     | 47.52           | 12.95          | 60.47            | 74.00           | 13.53        | horizontal | Peak    |
| 5459.99     | 44.80           | 12.96          | 57.76            | 74.00           | 16.24        | horizontal | Peak    |
| 5459.99     | 34.49           | 12.96          | 47.45            | 54.00           | 6.55         | horizontal | Average |
| 5470.01     | 45.07           | 12.96          | 58.03            | 68.20           | 10.17        | horizontal | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5530  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



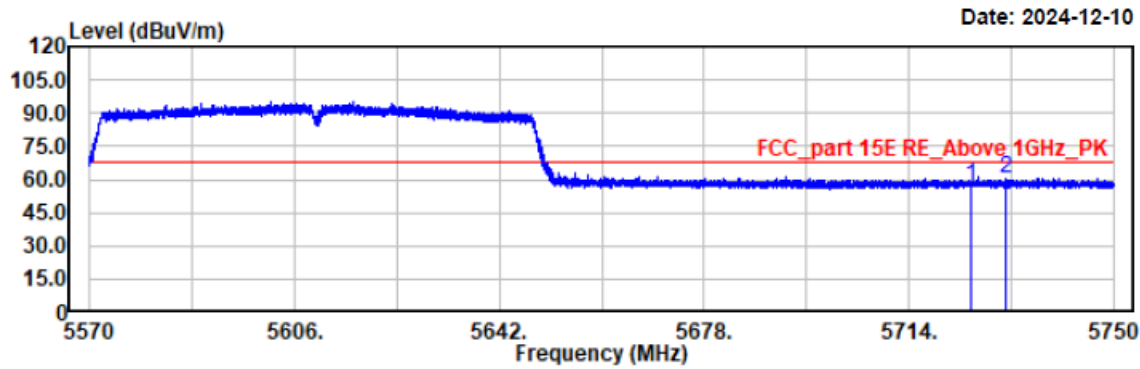
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto  
AV RBW:1MHz VBW:5kHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark  |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|---------|
| 5459.43     | 33.91           | 12.96          | 46.87            | 54.00           | 7.13         | vertical | Average |
| 5459.43     | 47.56           | 12.96          | 60.52            | 74.00           | 13.48        | vertical | Peak    |
| 5459.99     | 33.76           | 12.96          | 46.72            | 54.00           | 7.28         | vertical | Average |
| 5459.99     | 48.87           | 12.96          | 61.83            | 74.00           | 12.17        | vertical | Peak    |
| 5470.00     | 48.08           | 12.96          | 61.04            | 68.20           | 7.16         | vertical | Peak    |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5610  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

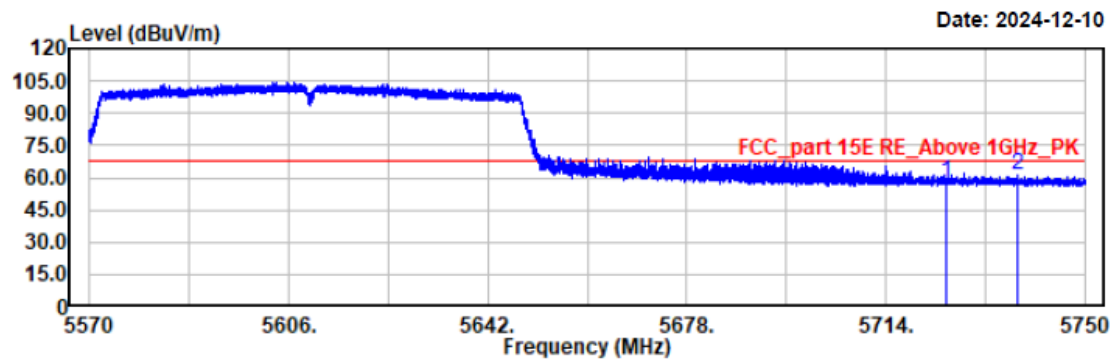


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5725.00     | 43.74           | 13.45          | 57.19            | 68.20           | 11.01        | horizontal | Peak   |
| 5730.92     | 47.27           | 13.45          | 60.72            | 68.20           | 7.48         | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5610  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



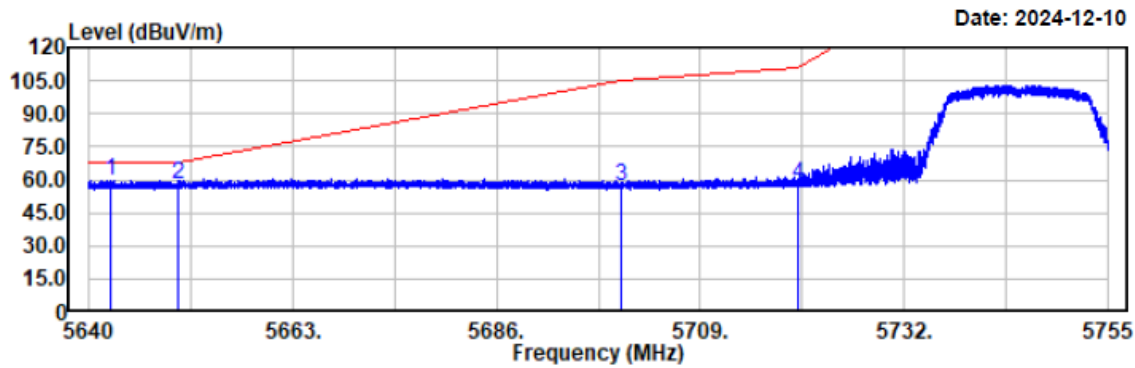
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5725.00     | 44.77           | 13.45          | 58.22            | 68.20           | 9.98         | vertical | Peak   |
| 5737.83     | 47.62           | 13.45          | 61.07            | 68.20           | 7.13         | vertical | Peak   |

B4:

Project No.: 2407V20721E-RF  
Test Mode: 11a 5745  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

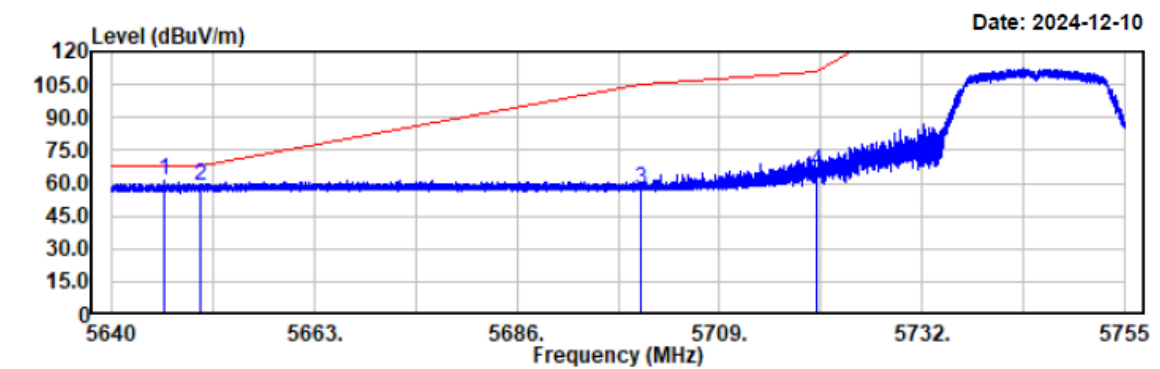


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5642.35     | 46.14           | 13.27          | 59.41            | 68.20           | 8.79         | horizontal | Peak   |
| 5650.00     | 44.46           | 13.28          | 57.74            | 68.20           | 10.46        | horizontal | Peak   |
| 5700.00     | 43.86           | 13.43          | 57.29            | 105.20          | 47.91        | horizontal | Peak   |
| 5720.00     | 44.62           | 13.44          | 58.06            | 110.80          | 52.74        | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5745  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

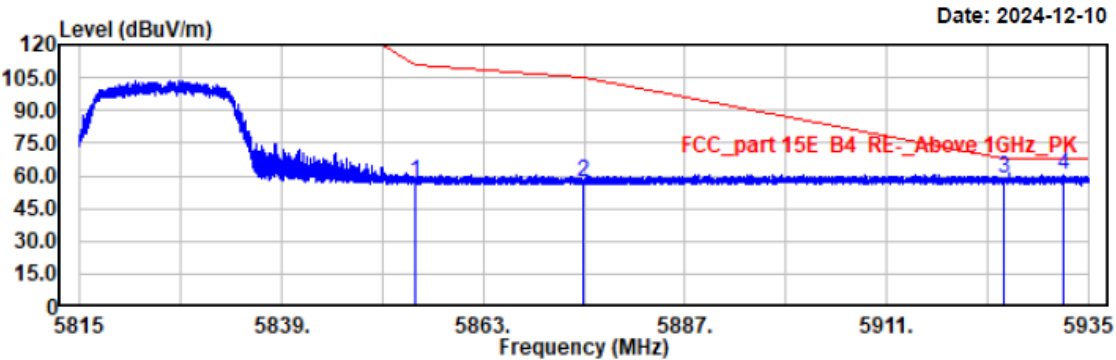


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5645.91     | 47.92           | 13.28          | 61.20            | 68.20           | 7.00         | vertical | Peak   |
| 5650.00     | 45.24           | 13.28          | 58.52            | 68.20           | 9.68         | vertical | Peak   |
| 5700.00     | 43.88           | 13.43          | 57.31            | 105.20          | 47.89        | vertical | Peak   |
| 5720.00     | 51.87           | 13.44          | 65.31            | 110.80          | 45.49        | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5825  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

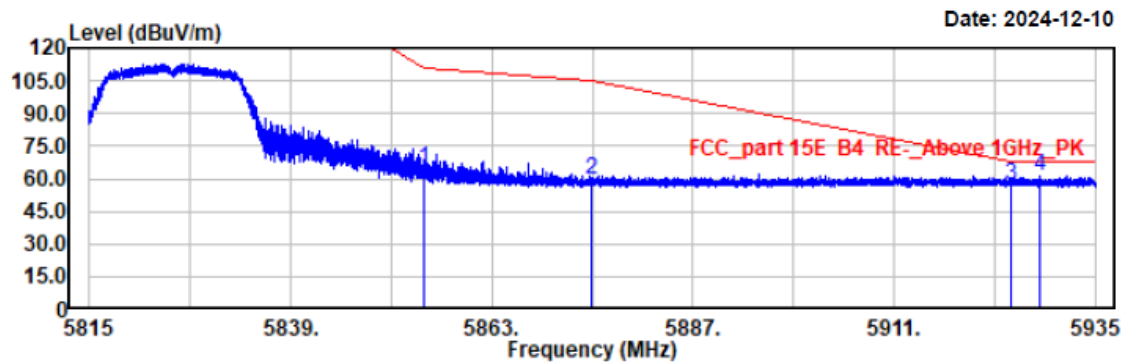


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5855.00     | 43.85           | 13.65          | 57.50            | 110.80          | 53.30        | horizontal | Peak   |
| 5875.00     | 43.82           | 13.67          | 57.49            | 105.20          | 47.71        | horizontal | Peak   |
| 5925.00     | 44.74           | 13.75          | 58.49            | 68.20           | 9.71         | horizontal | Peak   |
| 5932.13     | 46.74           | 13.77          | 60.51            | 68.20           | 7.69         | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11a 5825  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

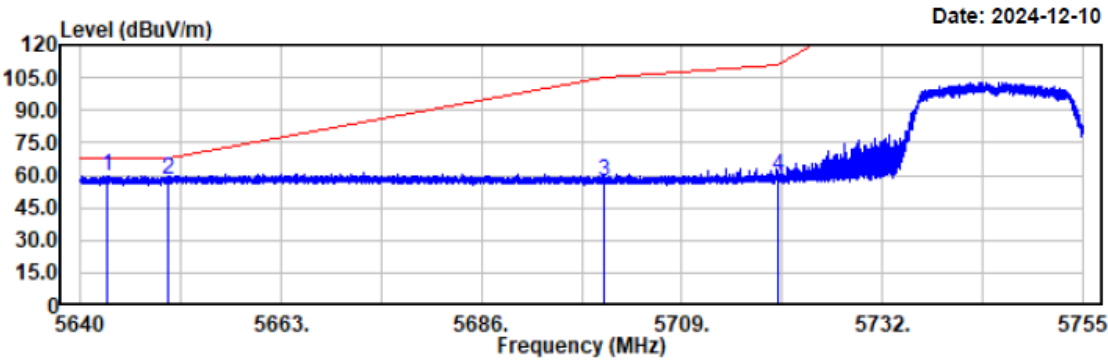


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5855.00     | 50.68           | 13.65          | 64.33            | 110.80          | 46.47        | vertical | Peak   |
| 5875.00     | 45.65           | 13.67          | 59.32            | 105.20          | 45.88        | vertical | Peak   |
| 5925.00     | 43.76           | 13.75          | 57.51            | 68.20           | 10.69        | vertical | Peak   |
| 5928.29     | 47.33           | 13.77          | 61.10            | 68.20           | 7.10         | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5745  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

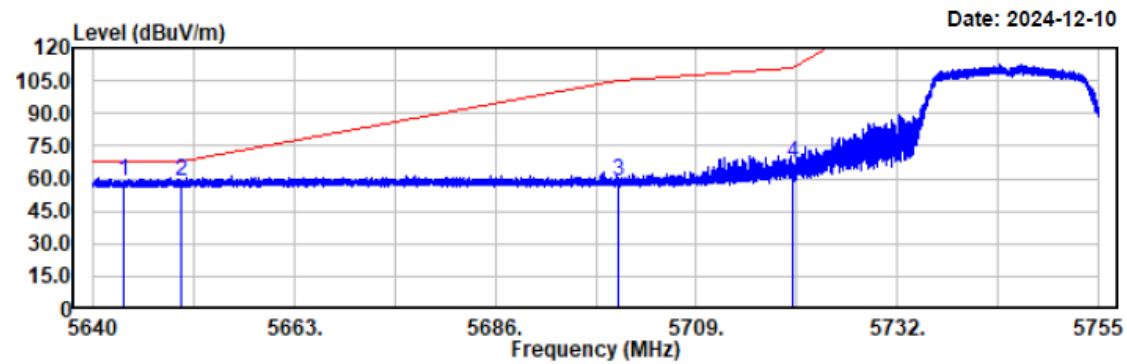


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5643.14     | 46.26           | 13.27          | 59.53            | 68.20           | 8.67         | horizontal | Peak   |
| 5650.00     | 44.45           | 13.28          | 57.73            | 68.20           | 10.47        | horizontal | Peak   |
| 5700.00     | 43.43           | 13.43          | 56.86            | 105.20          | 48.34        | horizontal | Peak   |
| 5720.00     | 46.25           | 13.44          | 59.69            | 110.80          | 51.11        | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5745  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

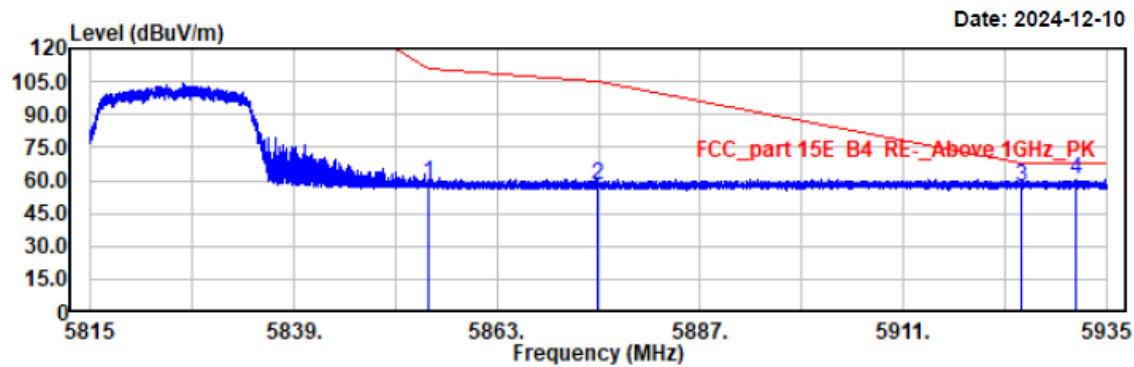


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5643.54     | 45.62           | 13.27          | 58.89            | 68.20           | 9.31         | vertical | Peak   |
| 5650.00     | 45.60           | 13.28          | 58.88            | 68.20           | 9.32         | vertical | Peak   |
| 5700.00     | 45.02           | 13.43          | 58.45            | 105.20          | 46.75        | vertical | Peak   |
| 5720.00     | 53.34           | 13.44          | 66.78            | 110.80          | 44.02        | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n20 5825  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5855.00     | 45.27           | 13.65          | 58.92            | 110.80          | 51.88        | horizontal | Peak   |
| 5875.00     | 44.49           | 13.67          | 58.16            | 105.20          | 47.04        | horizontal | Peak   |
| 5925.00     | 43.72           | 13.75          | 57.47            | 68.20           | 10.73        | horizontal | Peak   |
| 5931.44     | 46.58           | 13.77          | 60.35            | 68.20           | 7.85         | horizontal | Peak   |

Project No.: 2407V20721E-RF

Test Mode: 11n20 5825

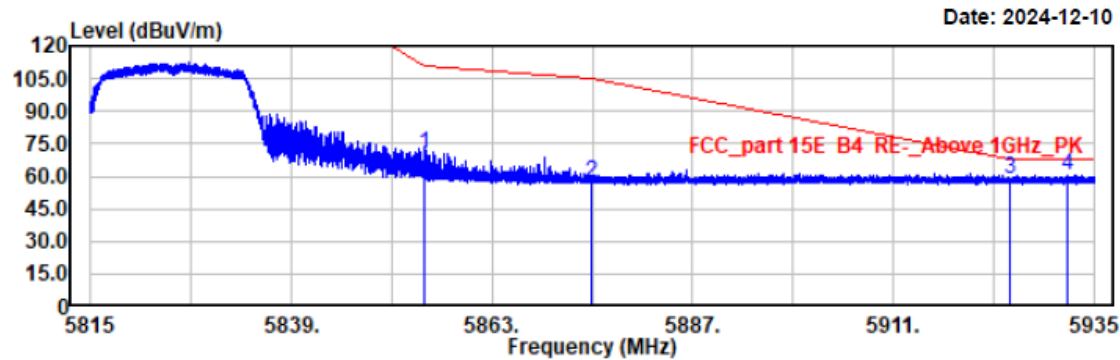
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz

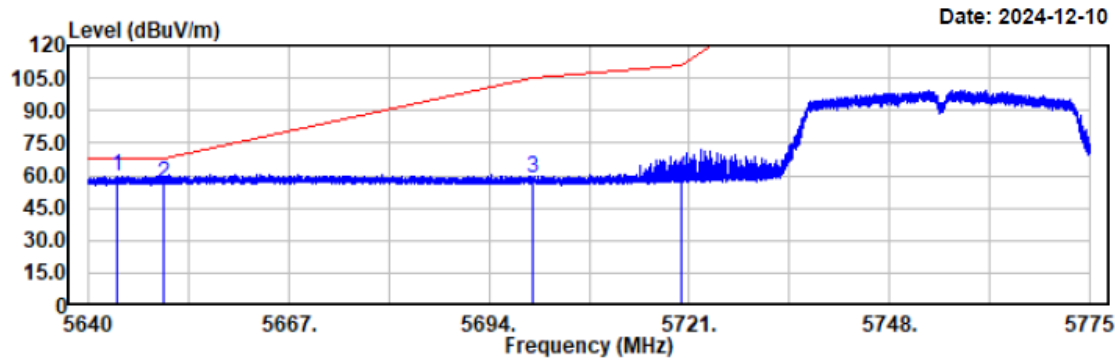


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5855.00     | 56.77           | 13.65          | 70.42            | 110.80          | 40.38        | vertical | Peak   |
| 5875.00     | 43.59           | 13.67          | 57.26            | 105.20          | 47.94        | vertical | Peak   |
| 5925.00     | 44.93           | 13.75          | 58.68            | 68.20           | 9.52         | vertical | Peak   |
| 5931.86     | 46.85           | 13.77          | 60.62            | 68.20           | 7.58         | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5755  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5643.94     | 46.69           | 13.27          | 59.96            | 68.20           | 8.24         | horizontal | Peak   |
| 5650.00     | 43.11           | 13.28          | 56.39            | 68.20           | 11.81        | horizontal | Peak   |
| 5700.00     | 45.06           | 13.43          | 58.49            | 105.20          | 46.71        | horizontal | Peak   |
| 5720.00     | 45.25           | 13.44          | 58.69            | 110.80          | 52.11        | horizontal | Peak   |

Project No.: 2407V20721E-RF

Test Mode: 11n40 5755

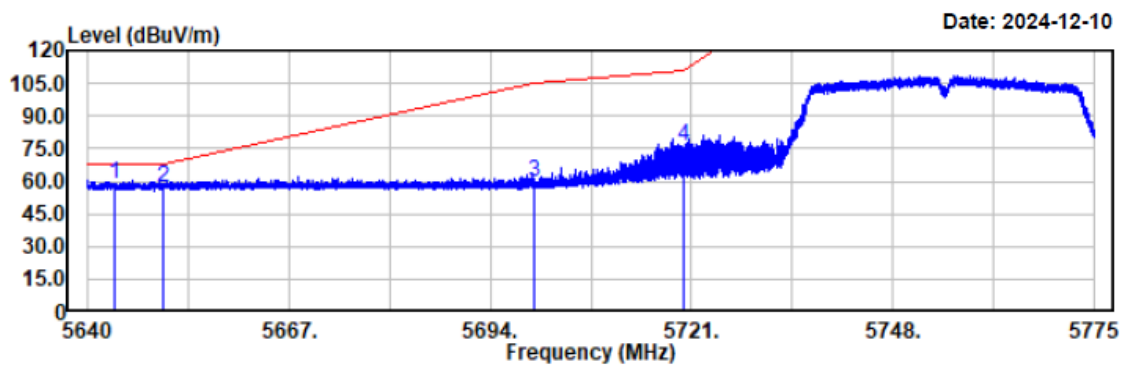
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz

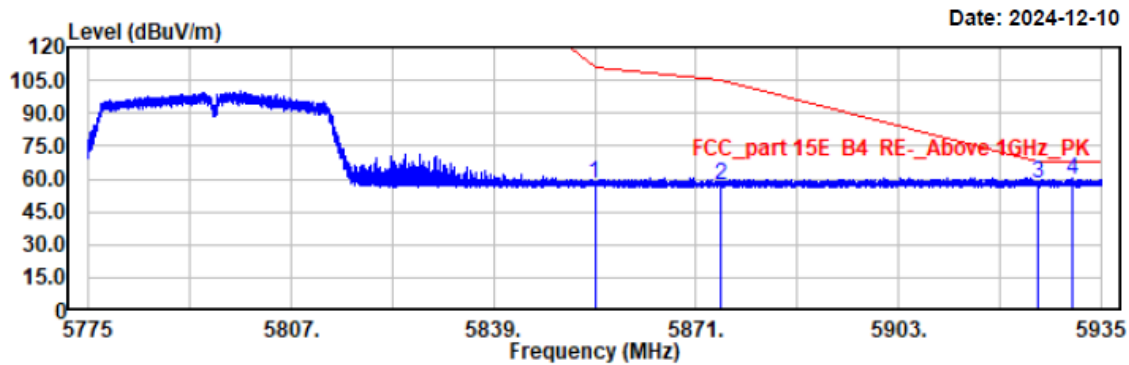


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5643.58     | 45.80           | 13.27          | 59.07            | 68.20           | 9.13         | vertical | Peak   |
| 5650.00     | 43.95           | 13.28          | 57.23            | 68.20           | 10.97        | vertical | Peak   |
| 5700.00     | 45.94           | 13.43          | 59.37            | 105.20          | 45.83        | vertical | Peak   |
| 5720.00     | 62.41           | 13.44          | 75.85            | 110.80          | 34.95        | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5795  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

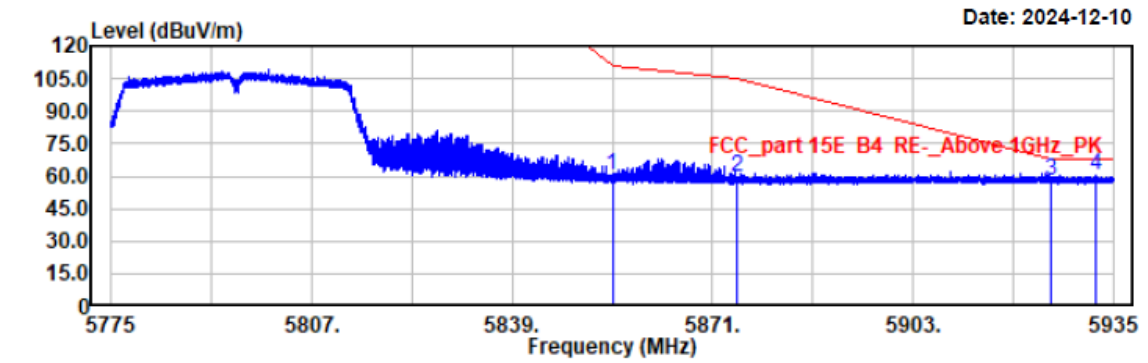


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5855.00     | 44.64           | 13.65          | 58.29            | 110.80          | 52.51        | horizontal | Peak   |
| 5875.00     | 43.83           | 13.67          | 57.50            | 105.20          | 47.70        | horizontal | Peak   |
| 5925.00     | 44.13           | 13.75          | 57.88            | 68.20           | 10.32        | horizontal | Peak   |
| 5930.49     | 45.98           | 13.77          | 59.75            | 68.20           | 8.45         | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11n40 5795  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

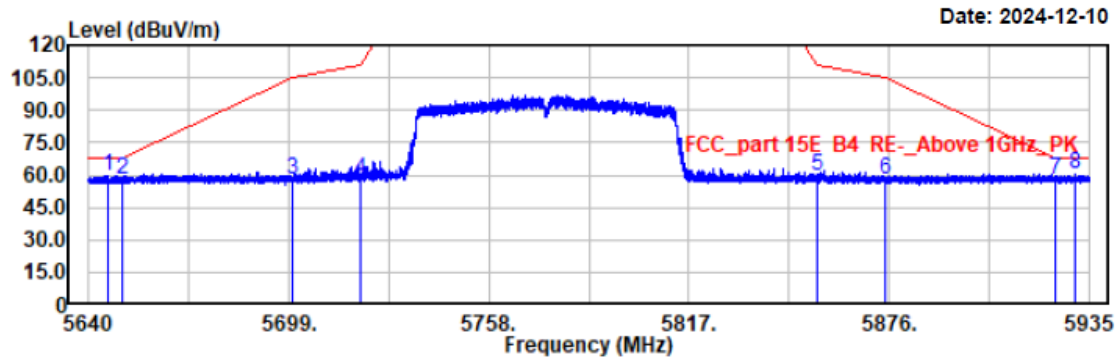


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5855.00     | 46.92           | 13.65          | 60.57            | 110.80          | 50.23        | vertical | Peak   |
| 5875.00     | 45.83           | 13.67          | 59.50            | 105.20          | 45.70        | vertical | Peak   |
| 5925.00     | 44.11           | 13.75          | 57.86            | 68.20           | 10.34        | vertical | Peak   |
| 5932.10     | 46.61           | 13.77          | 60.38            | 68.20           | 7.82         | vertical | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5775  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz

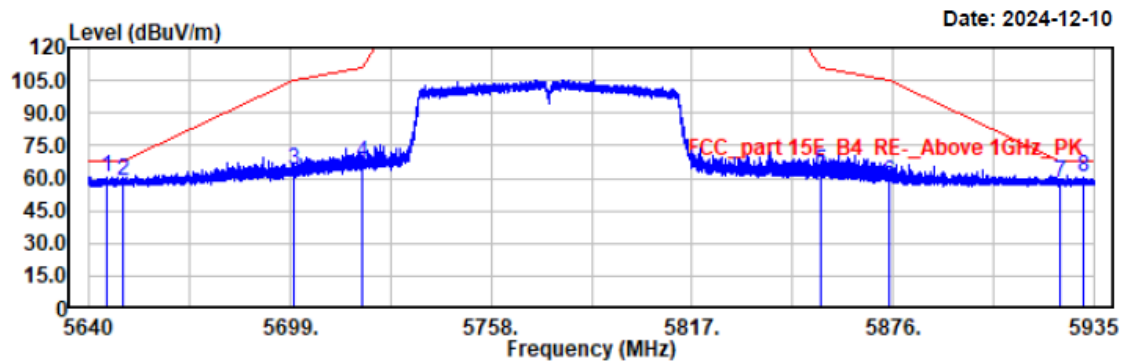


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity   | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|------------|--------|
| 5645.58     | 46.60           | 13.28          | 59.88            | 68.20           | 8.32         | horizontal | Peak   |
| 5650.00     | 44.43           | 13.28          | 57.71            | 68.20           | 10.49        | horizontal | Peak   |
| 5700.00     | 44.28           | 13.43          | 57.71            | 105.20          | 47.49        | horizontal | Peak   |
| 5720.00     | 44.36           | 13.44          | 57.80            | 110.80          | 53.00        | horizontal | Peak   |
| 5855.00     | 45.84           | 13.65          | 59.49            | 110.80          | 51.31        | horizontal | Peak   |
| 5875.00     | 44.10           | 13.67          | 57.77            | 105.20          | 47.43        | horizontal | Peak   |
| 5925.00     | 44.21           | 13.75          | 57.96            | 68.20           | 10.24        | horizontal | Peak   |
| 5930.84     | 46.50           | 13.77          | 60.27            | 68.20           | 7.93         | horizontal | Peak   |

Project No.: 2407V20721E-RF  
Test Mode: 11ac80 5775  
EUT Model: NLS-NQuire1000  
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa  
Tested by: Wlif Wu  
Power Source: AC120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

| Freq<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Polarity | Remark |
|-------------|-----------------|----------------|------------------|-----------------|--------------|----------|--------|
| 5645.13     | 46.97           | 13.28          | 60.25            | 68.20           | 7.95         | vertical | Peak   |
| 5650.00     | 45.25           | 13.28          | 58.53            | 68.20           | 9.67         | vertical | Peak   |
| 5700.00     | 50.31           | 13.43          | 63.74            | 105.20          | 41.46        | vertical | Peak   |
| 5720.00     | 53.36           | 13.44          | 66.80            | 110.80          | 44.00        | vertical | Peak   |
| 5855.00     | 49.49           | 13.65          | 63.14            | 110.80          | 47.66        | vertical | Peak   |
| 5875.00     | 44.45           | 13.67          | 58.12            | 105.20          | 47.08        | vertical | Peak   |
| 5925.00     | 44.15           | 13.75          | 57.90            | 68.20           | 10.30        | vertical | Peak   |
| 5932.05     | 46.80           | 13.77          | 60.57            | 68.20           | 7.63         | vertical | Peak   |

## **FCC §15.407(a) (e)–EMISSION BANDWIDTH**

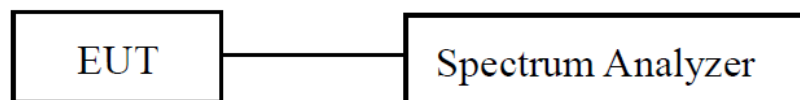
### **Applicable Standard**

FCC §15.407 (a), (h), (h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid cochannel operation with radar systems.

### **FCC §15.407 (e)**

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### **EUT Setup**



### **Test Procedure**

#### **26dB Emission Bandwidth:**

According to ANSI C63.10-2013 Section 12.4.1

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max hold
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

#### **6 dB emission bandwidth:**

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW)  $\geq 3$  RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

### **99% Occupied Bandwidth:**

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured andwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

**Test Data**

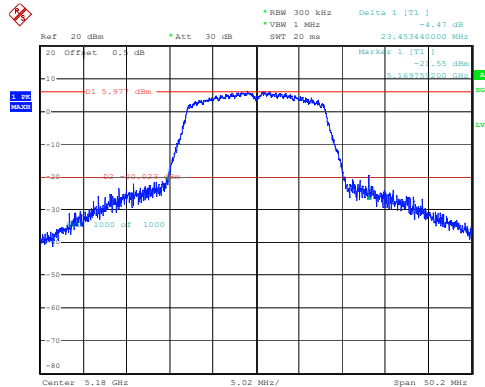
|                       |                             |                              |                                              |
|-----------------------|-----------------------------|------------------------------|----------------------------------------------|
| <b>Test Mode:</b>     | Transmitting                | <b>Test Engineer:</b>        | Stein Peng                                   |
| <b>Test Date:</b>     | 2024-08-06                  | <b>Test Voltage:</b>         | AC120V/60Hz                                  |
| <b>Test Result:</b>   | Compliance                  | <b>Environment:</b>          | Temp.: 24.0°C<br>Humi.: 65%<br>Atm :100.2kPa |
| <b>5150-5250 MHz:</b> |                             |                              |                                              |
| <b>Test Modes</b>     | <b>Test Frequency (MHz)</b> | <b>26 dB Bandwidth (MHz)</b> | <b>99% Occupied Bandwidth (MHz)</b>          |
| 802.11a               | 5180                        | 23.453                       | 16.6                                         |
|                       | 5200                        | 20.401                       | 16.6                                         |
|                       | 5240                        | 20.361                       | 16.6                                         |
| 802.11n ht20          | 5180                        | 21.915                       | 17.68                                        |
|                       | 5200                        | 22.118                       | 17.68                                        |
|                       | 5240                        | 21.583                       | 17.68                                        |
| 802.11n ht40          | 5190                        | 41.2                         | 36.24                                        |
|                       | 5230                        | 41.12                        | 36.32                                        |
| 802.11ac vht80        | 5210                        | 81.76                        | 75.36                                        |
| <b>5250-5350 MHz:</b> |                             |                              |                                              |
| <b>Test Modes</b>     | <b>Test Frequency (MHz)</b> | <b>26 dB Bandwidth (MHz)</b> | <b>99% Occupied Bandwidth (MHz)</b>          |
| 802.11a               | 5260                        | 20.321                       | 16.56                                        |
|                       | 5280                        | 20.281                       | 16.56                                        |
|                       | 5320                        | 20.240                       | 16.64                                        |
| 802.11n ht20          | 5260                        | 20.726                       | 17.68                                        |
|                       | 5280                        | 20.685                       | 17.64                                        |
|                       | 5320                        | 22.277                       | 17.64                                        |
| 802.11n ht40          | 5270                        | 41.12                        | 36.24                                        |
|                       | 5310                        | 41.04                        | 36.24                                        |
| 802.11ac vht80        | 5290                        | 81.76                        | 75.52                                        |

| <b>5470-5725 MHz:</b>                             |                             |                              |                                     |
|---------------------------------------------------|-----------------------------|------------------------------|-------------------------------------|
| <b>Test Modes</b>                                 | <b>Test Frequency (MHz)</b> | <b>26 dB Bandwidth (MHz)</b> | <b>99% Occupied Bandwidth (MHz)</b> |
| 802.11a                                           | 5500                        | 21.689                       | 16.64                               |
|                                                   | 5580                        | 20.2                         | 16.56                               |
|                                                   | 5700                        | 21.526                       | 16.6                                |
|                                                   | 5720                        | 21.329                       | 16.6                                |
| 802.11n ht20                                      | 5500                        | 20.889                       | 17.68                               |
|                                                   | 5580                        | 22.157                       | 17.68                               |
|                                                   | 5700                        | 25.272                       | 17.64                               |
|                                                   | 5720                        | 20.726                       | 17.64                               |
| 802.11n ht40                                      | 5510                        | 41.12                        | 36.32                               |
|                                                   | 5550                        | 41.2                         | 36.32                               |
|                                                   | 5670                        | 41.28                        | 36.24                               |
|                                                   | 5710                        | 41.12                        | 36.32                               |
| 802.11ac vht80                                    | 5530                        | 81.76                        | 75.52                               |
|                                                   | 5610                        | 81.76                        | 75.52                               |
|                                                   | 5690                        | 81.6                         | 75.52                               |
| <b>5725-5850 MHz:</b>                             |                             |                              |                                     |
| <b>Test Modes</b>                                 | <b>Test Frequency (MHz)</b> | <b>6 dB Bandwidth (MHz)</b>  | <b>99% Occupied Bandwidth (MHz)</b> |
| 802.11a                                           | 5745                        | 15.24                        | 16.6                                |
|                                                   | 5785                        | 15.2                         | 16.52                               |
|                                                   | 5825                        | 15.2                         | 16.52                               |
| 802.11n ht20                                      | 5745                        | 15.24                        | 17.68                               |
|                                                   | 5785                        | 15.16                        | 17.68                               |
|                                                   | 5825                        | 15.24                        | 17.68                               |
| 802.11n ht40                                      | 5755                        | 35.2                         | 36.24                               |
|                                                   | 5795                        | 35.28                        | 36.24                               |
| 802.11ac vht80                                    | 5775                        | 75.52                        | 75.36                               |
| Note:6dB Emission Bandwidth Limit: $\geq 0.5$ MHz |                             |                              |                                     |

26dB Emission Bandwidth:

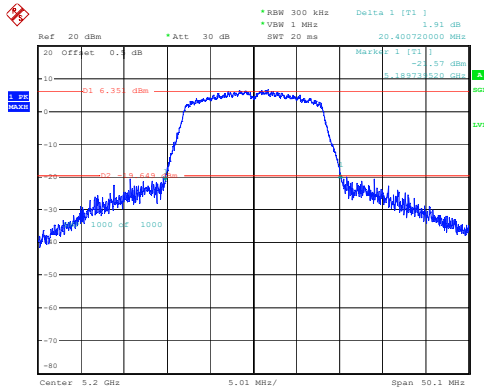
5150-5250MHz:

a\_5180MHz\_Chain 0



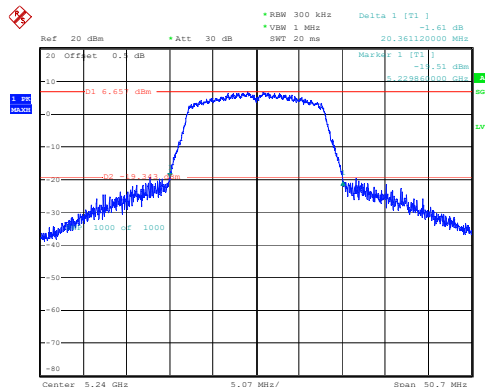
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:34:14

a\_5200MHz\_Chain 0



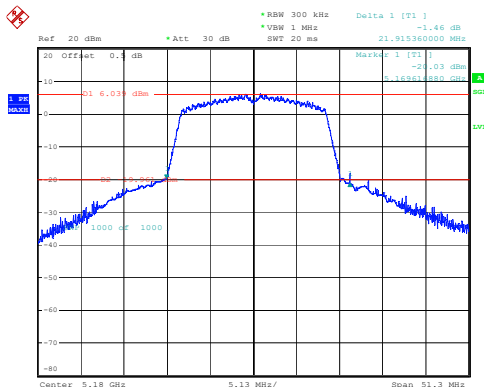
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Date: 6.AUG.2024 11:36:23

a\_5240MHz\_Chain 0



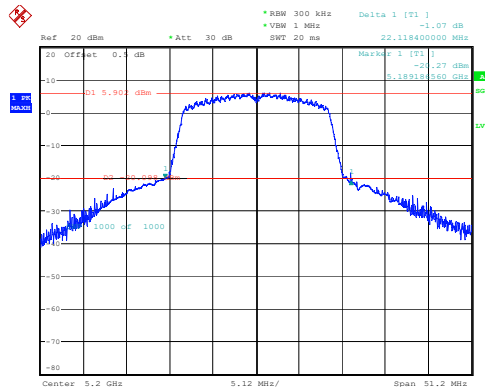
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Date: 6.AUG.2024 11:38:39

n20\_5180MHz\_Chain 0



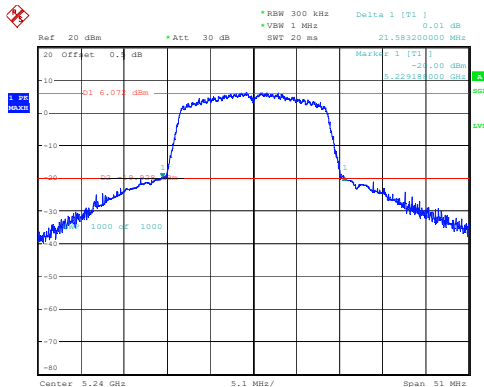
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Date: 6.AUG.2024 13:11:30

n20\_5200MHz\_Chain 0



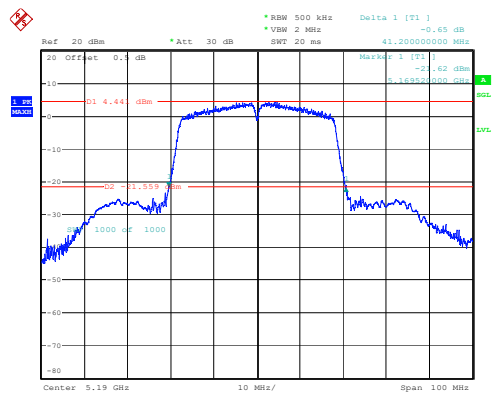
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Date: 6.AUG.2024 13:14:39

n20\_5240MHz\_Chain 0



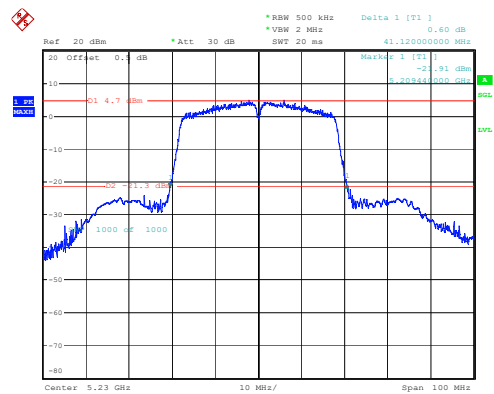
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Date: 6.AUG.2024 13:17:01

n40\_5190MHz\_Chain 0



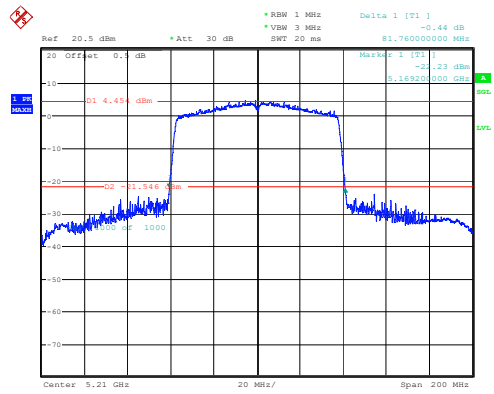
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 14:17:20

n40\_5230MHz\_Chain 0



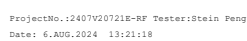
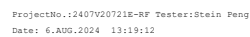
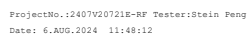
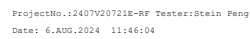
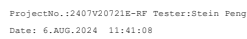
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Date: 6.AUG.2024 14:20:50

ac80\_5210MHz\_Chain 0

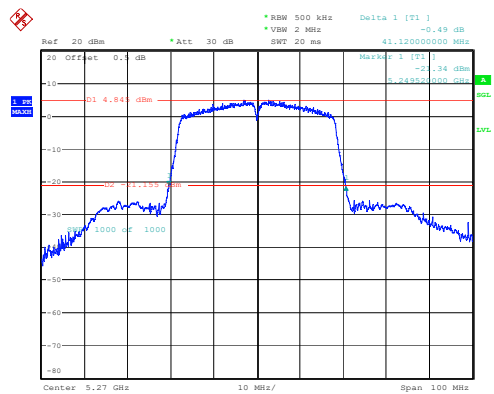


ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 16:00:49

## a\_5260MHz\_Chain 0

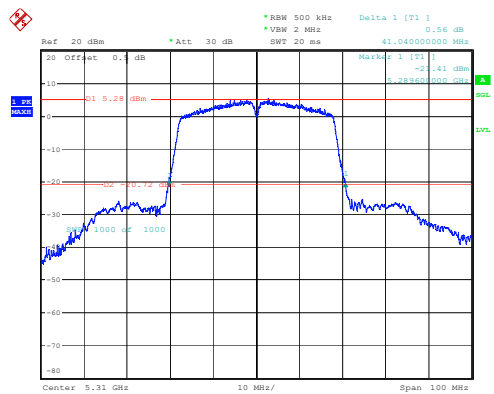


n40\_5270MHz\_Chain 0



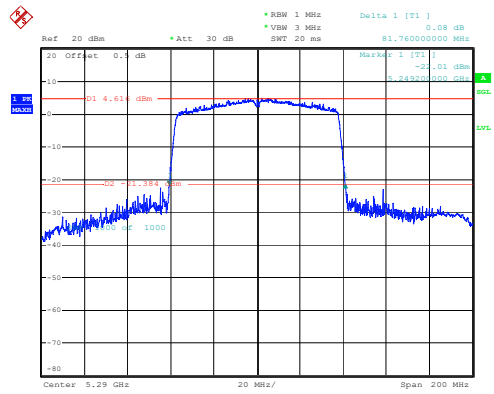
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Date: 6.AUG.2024 14:22:47

n40\_5310MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 14:24:52

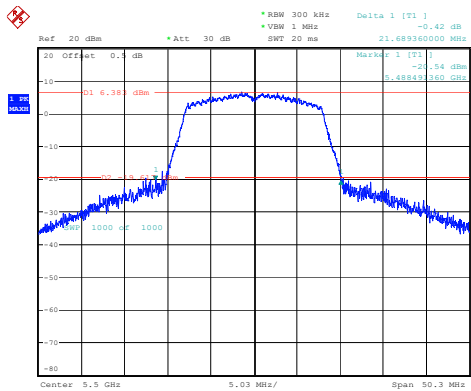
ac80\_5290MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 16:03:25

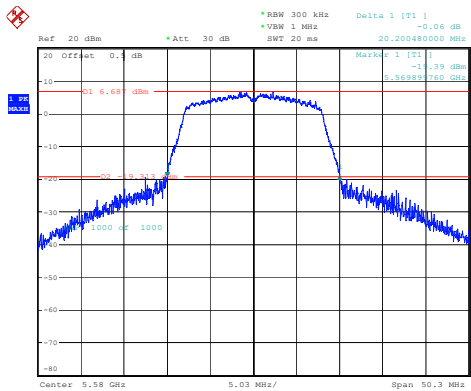
5470-5725 MHz:

a\_5500MHz\_Chain 0



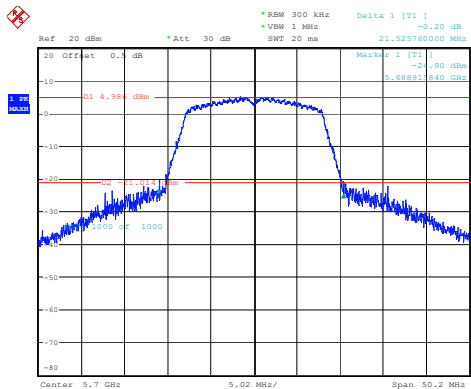
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:50:25

a\_5580MHz\_Chain 0



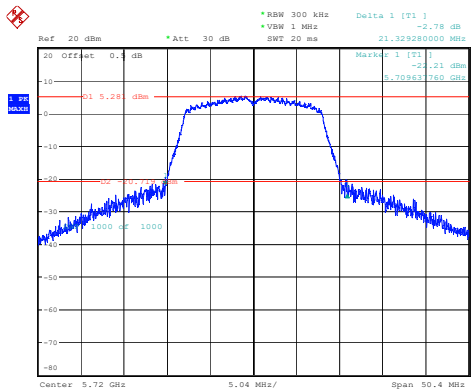
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:52:35

a\_5700MHz\_Chain 0



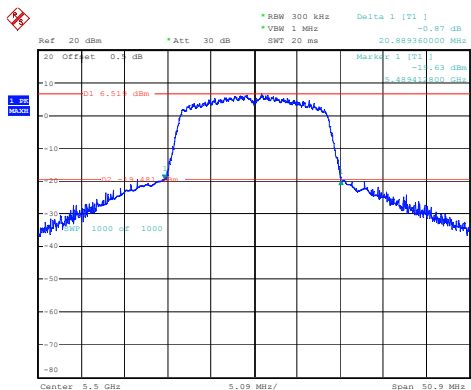
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:57:17

a\_5720MHz\_Chain 0



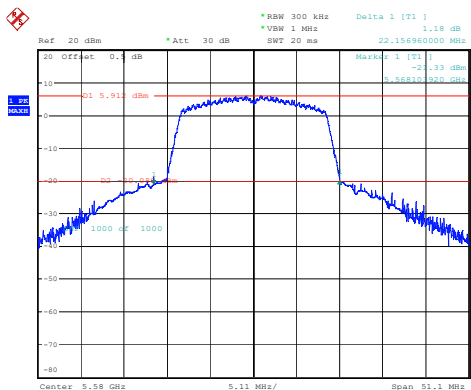
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 12:01:27

n20\_5500MHz\_Chain 0



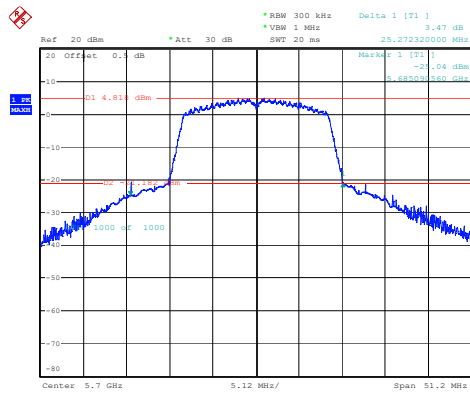
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 13:26:09

n20\_5580MHz\_Chain 0



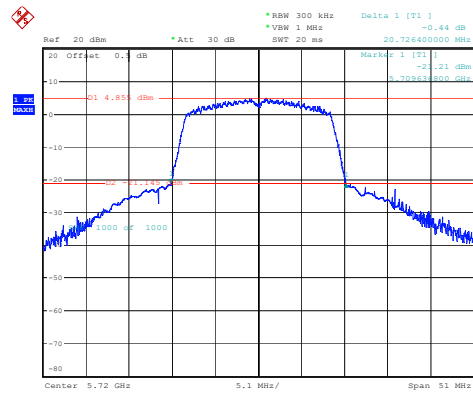
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 13:29:13

n20\_5700MHz\_Chain 0



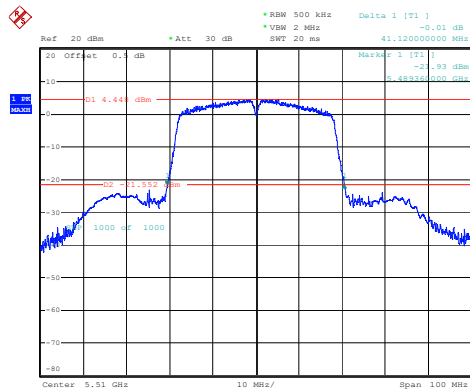
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Date: 6.AUG.2024 13:31:29

n20\_5720MHz\_Chain 0



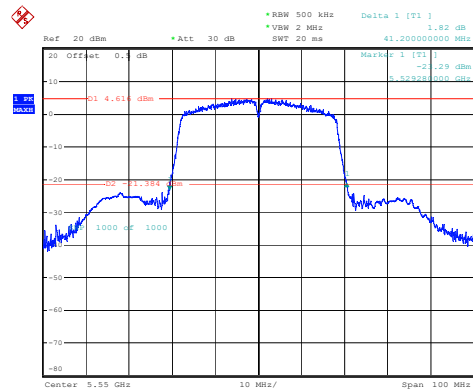
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 13:36:38

n40\_5510MHz\_Chain 0



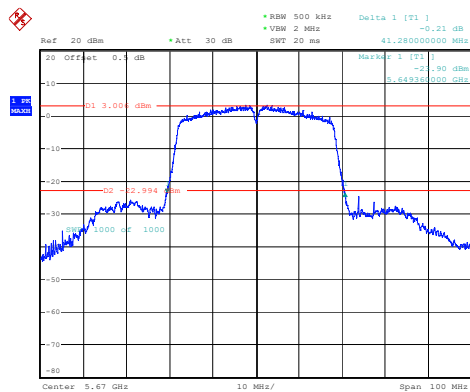
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Date: 6.AUG.2024 14:26:59

n40\_5550MHz\_Chain 0



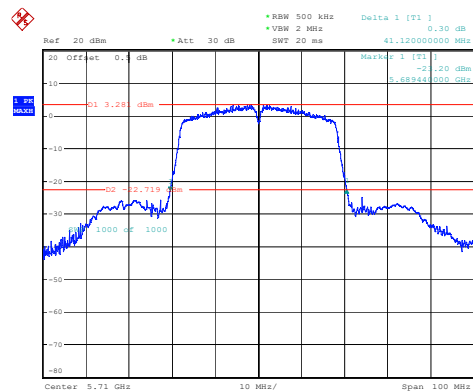
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 14:28:57

n40\_5670MHz\_Chain 0



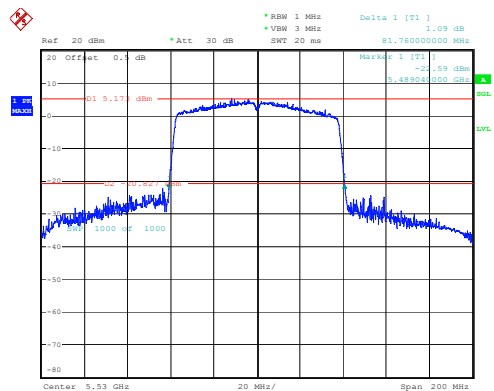
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n40\_5710MHz\_Chain 0



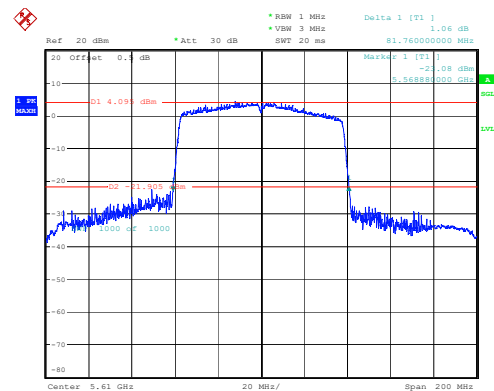
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 14:35:58

ac80\_5530MHz\_Chain 0



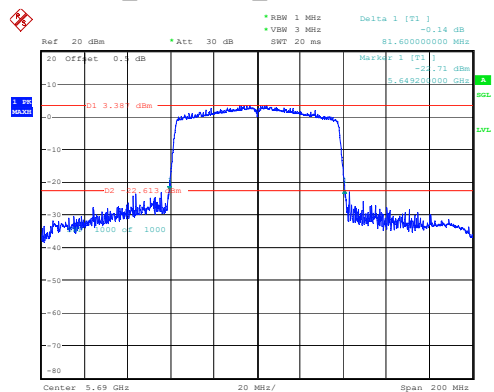
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 16:06:56

ac80\_5610MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 16:11:24

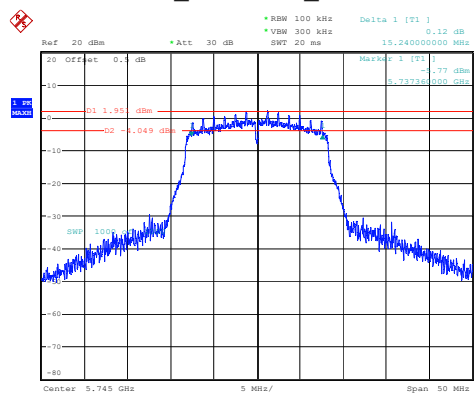
ac80\_5690MHz\_Chain 0 90.290MHz



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 16:14:21

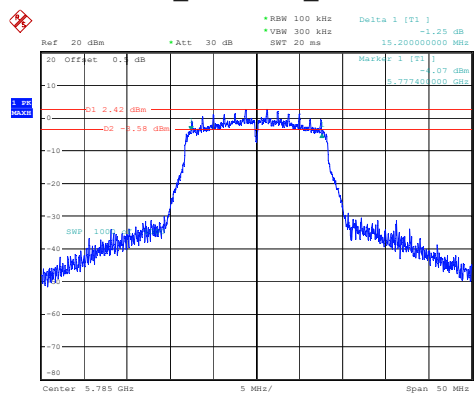
5725-5850 MHz:

a\_5745MHz\_Chain 0



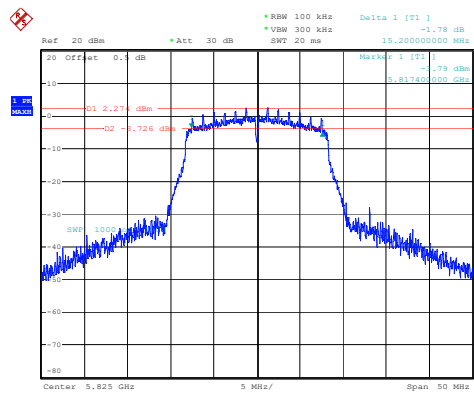
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 13:04:04

a\_5785MHz\_Chain 0



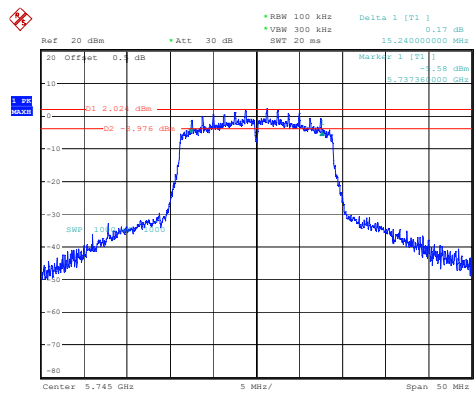
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Date: 6.AUG.2024 13:05:18

a\_5825MHz\_Chain 0



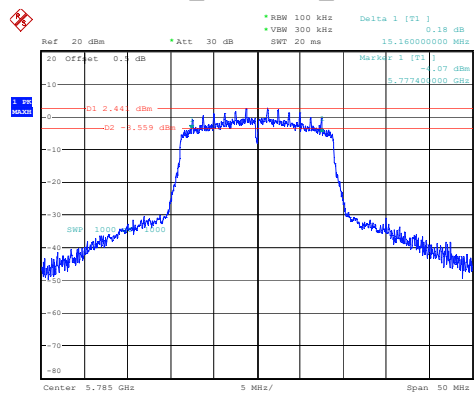
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Date: 6.AUG.2024 13:06:50

n20\_5745MHz\_Chain 0



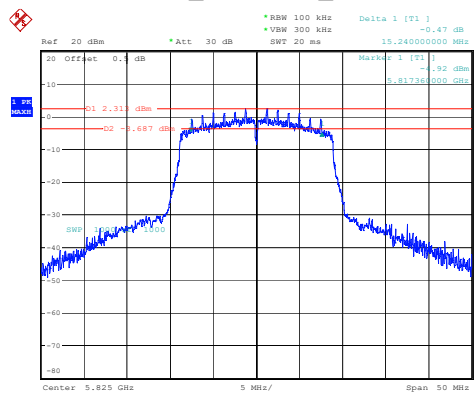
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Date: 6.AUG.2024 13:38:02

n20\_5785MHz\_Chain 0



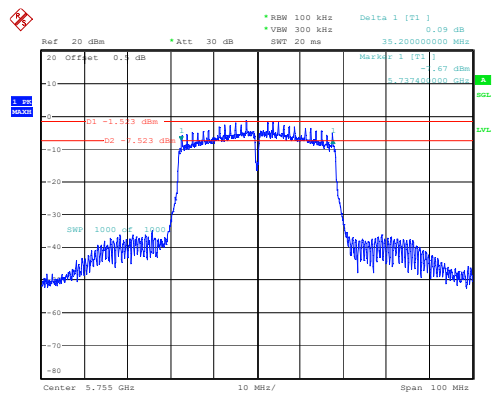
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 13:39:46

n20\_5825MHz\_Chain 0



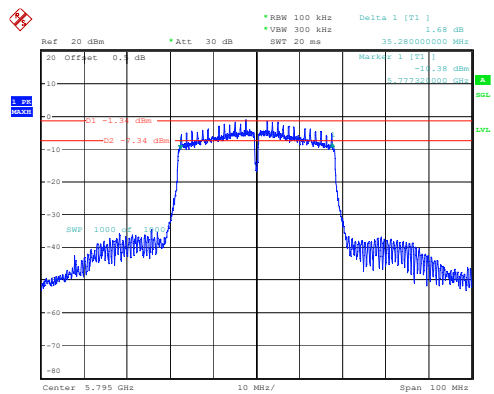
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 13:40:54

n40\_5755MHz\_Chain 0



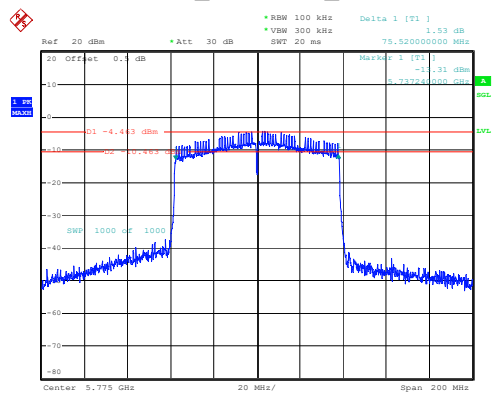
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 14:37:48

n40\_5795MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 14:39:40

ac80\_5775MHz\_Chain 0

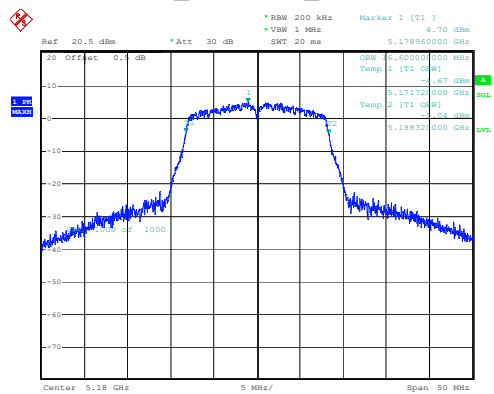


ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 16:17:44

99% Occupied Bandwidth:

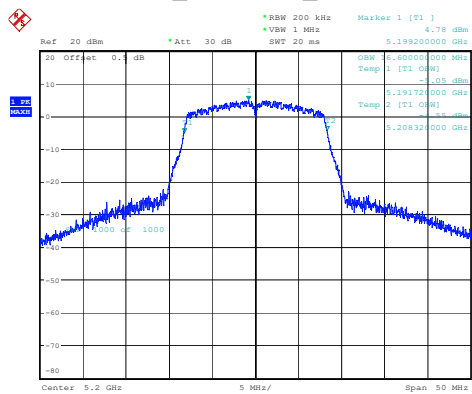
5150-5250 MHz:

a\_5180MHz\_Chain 0



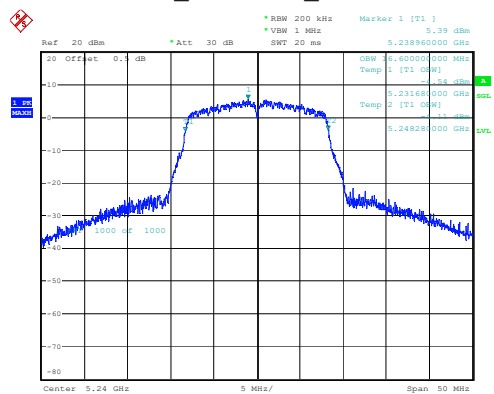
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Date: 6.AUG.2024 09:13:36

a\_5200MHz\_Chain 0



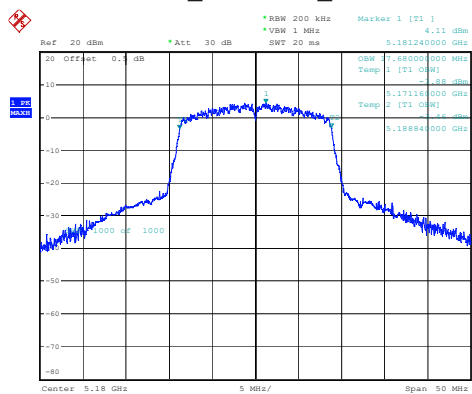
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:14:58

a\_5240MHz\_Chain 0



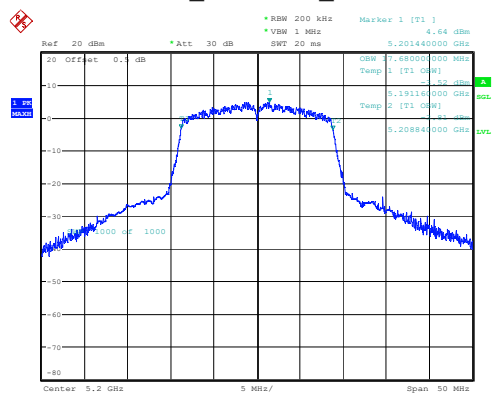
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:16:28

n20\_5180MHz\_Chain 0



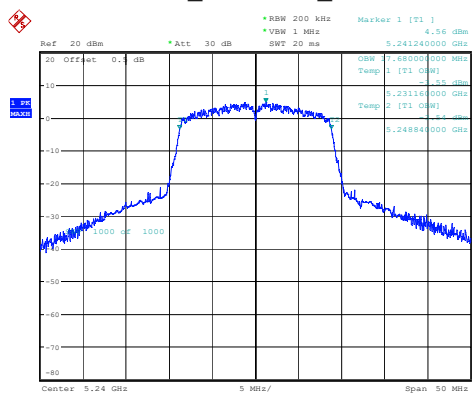
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:35:39

n20\_5200MHz\_Chain 0



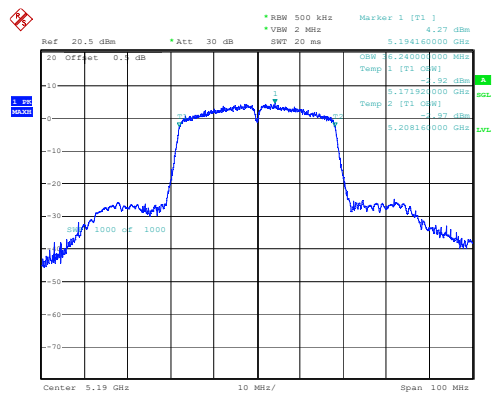
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:36:54

n20\_5240MHz\_Chain 0



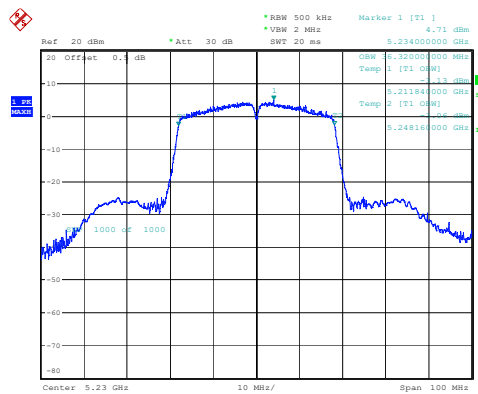
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:38:11

n40\_5190MHz\_Chain 0



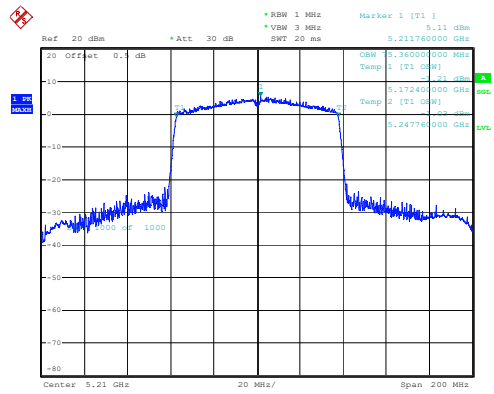
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:29:00

n40\_5230MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:30:57

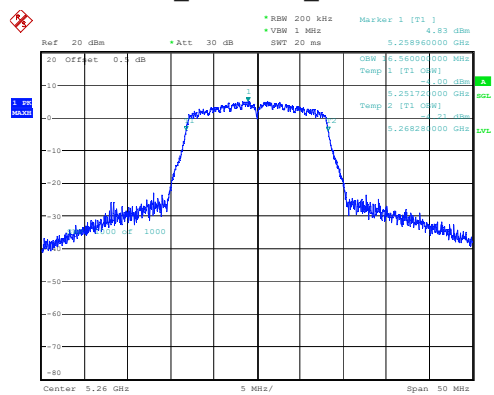
ac80\_5210MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:17:24

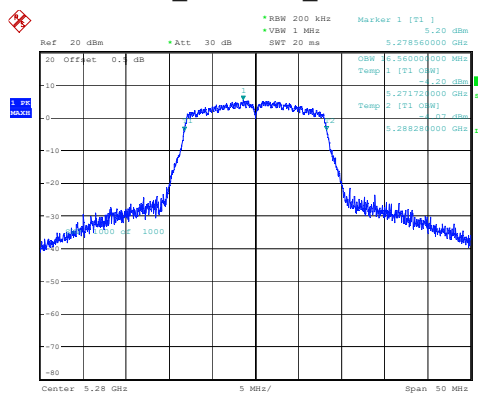
5250-5350 MHz:

a\_5260MHz\_Chain 0



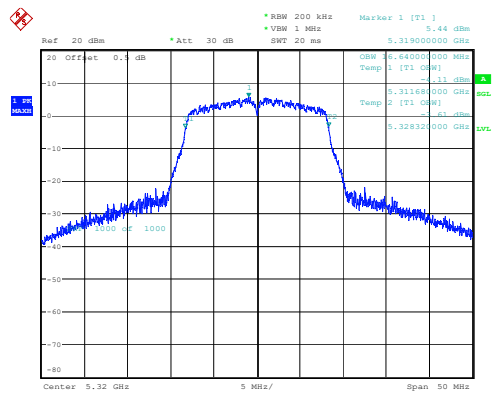
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:17:48

a\_5280MHz\_Chain 0



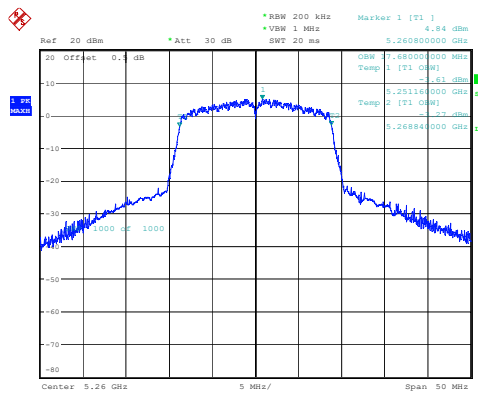
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:19:54

a\_5320MHz\_Chain 0



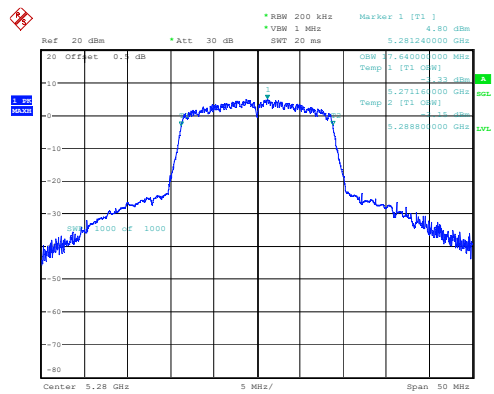
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:21:12

n20\_5260MHz\_Chain 0



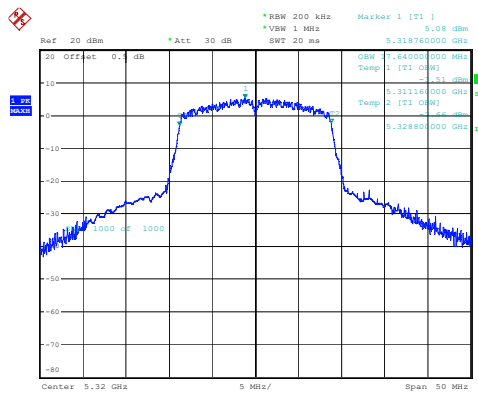
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:40:14

n20\_5280MHz\_Chain 0



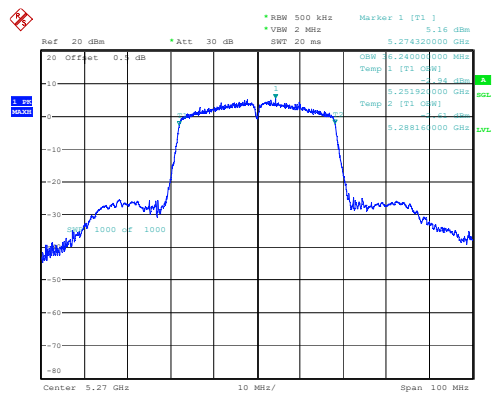
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:41:32

n20\_5320MHz\_Chain 0



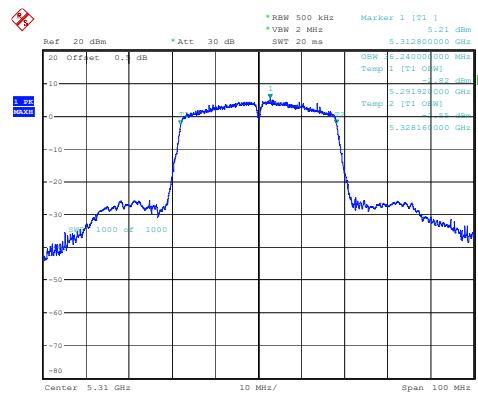
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:42:49

n40\_5270MHz\_Chain 0



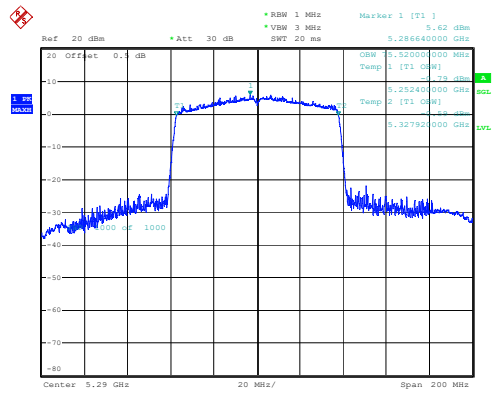
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:32:53

n40\_5310MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:35:00

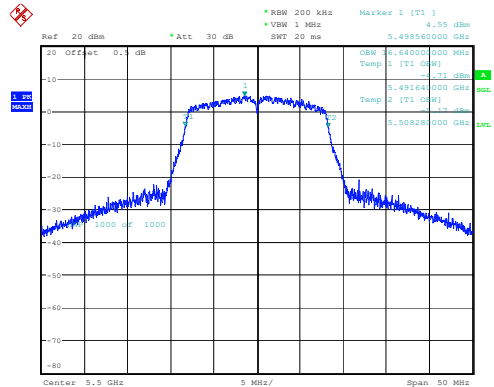
ac80\_5290MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:19:20

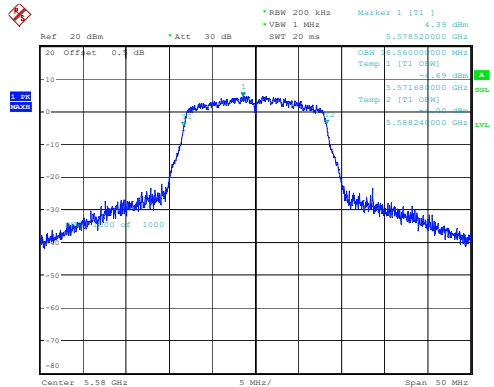
5470-5725 MHz:

a\_5500MHz\_Chain 0



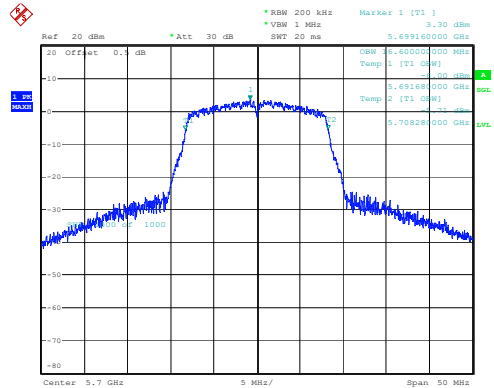
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:22:34

a\_5580MHz\_Chain 0



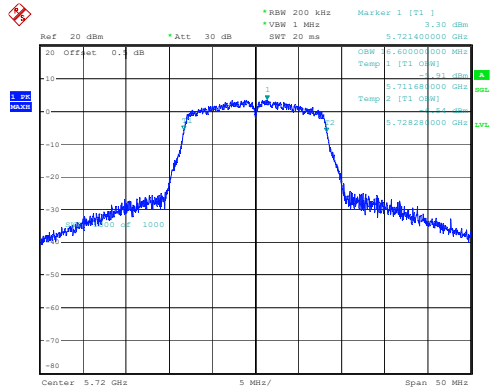
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:23:59

a\_5700MHz\_Chain 0



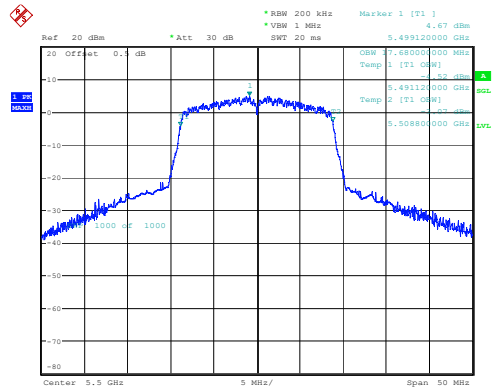
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:25:29

a\_5720MHz\_Chain 0



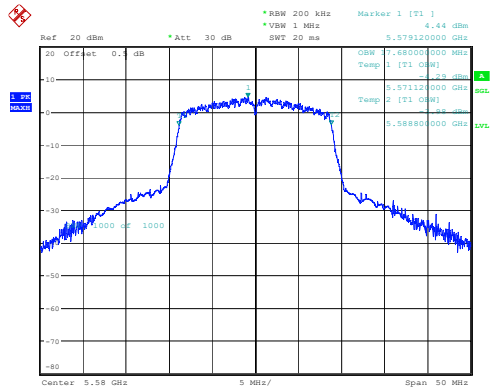
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Date: 6.AUG.2024 09:27:56

n20\_5500MHz\_Chain 0



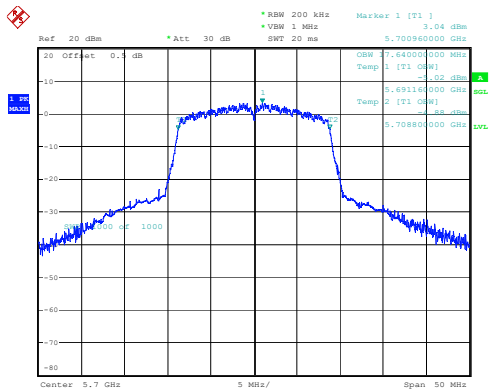
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:45:01

n20\_5580MHz\_Chain 0



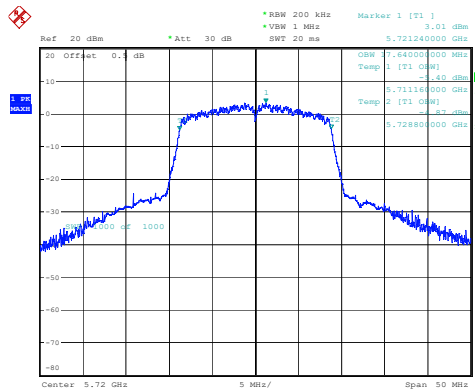
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:47:29

n20\_5700MHz\_Chain 0z



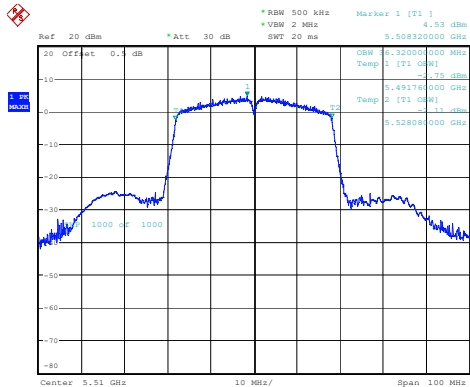
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:48:46

n20\_5720MHz\_Chain 0



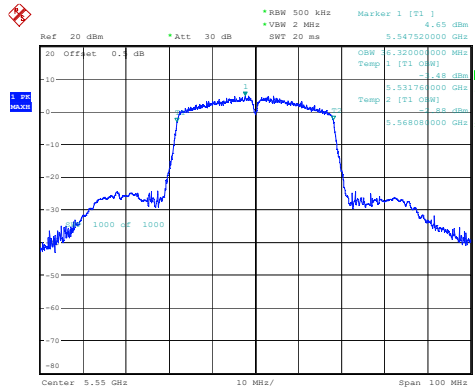
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:52:07

n40\_5510MHz\_Chain 0



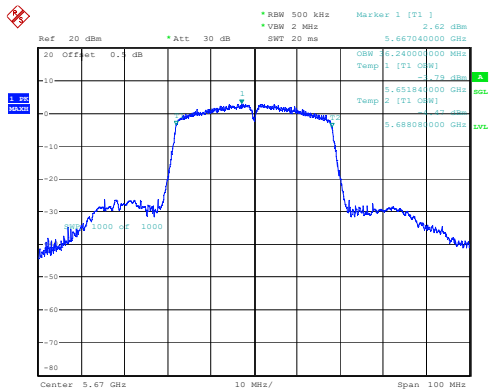
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:37:14

n40\_5550MHz\_Chain 0



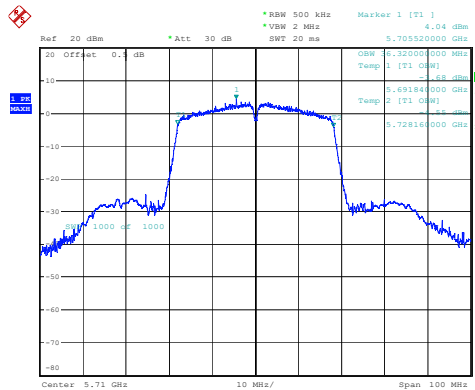
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:39:09

n40\_5670MHz\_Chain 0



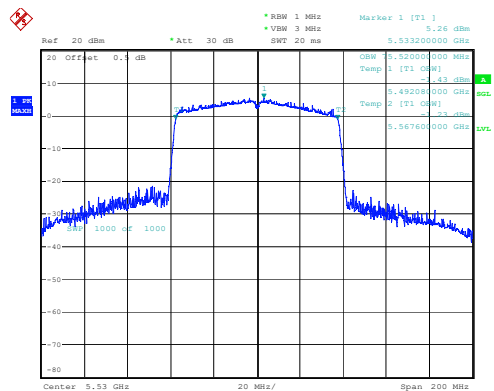
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:41:04

n40\_5710MHz\_Chain 0



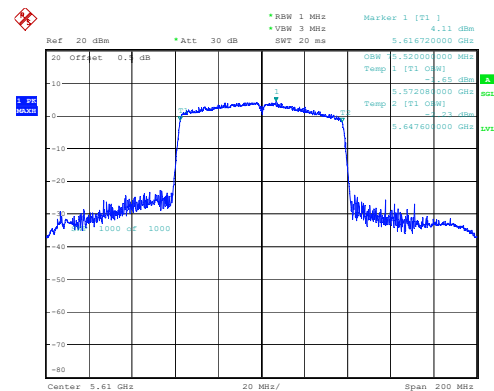
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:46:21

ac80\_5530MHz\_Chain 0



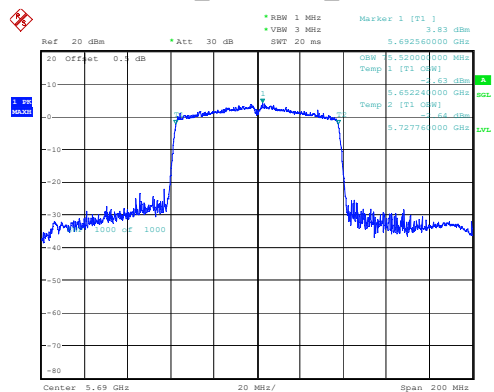
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:22:45

ac80\_5610MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:25:19

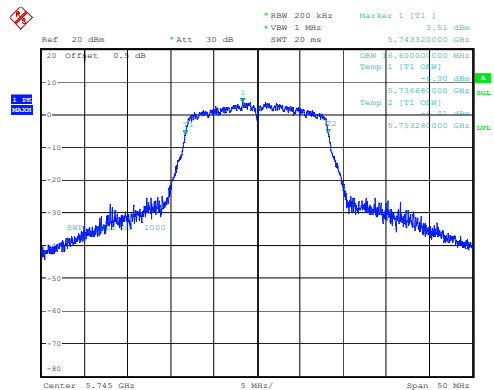
ac80\_5690MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:29:16

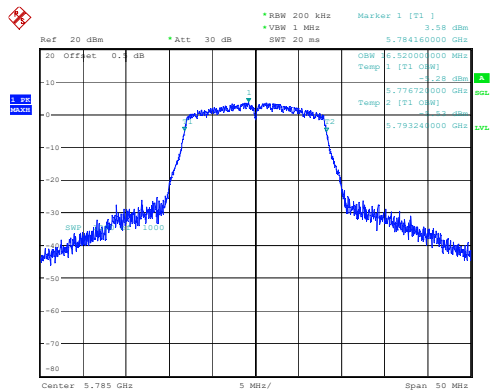
5725-5850 MHz:

a\_5745MHz\_Chain 0



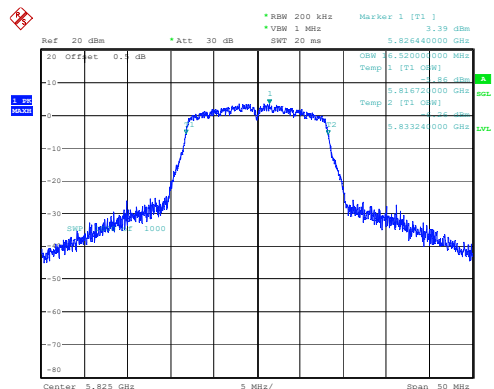
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Date: 6.AUG.2024 09:29:15

a\_5785MHz\_Chain 0



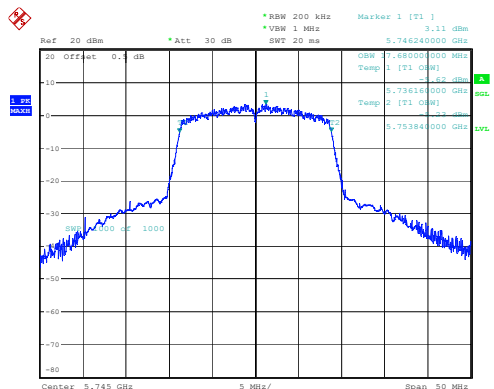
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:30:33

a\_5825MHz\_Chain 0



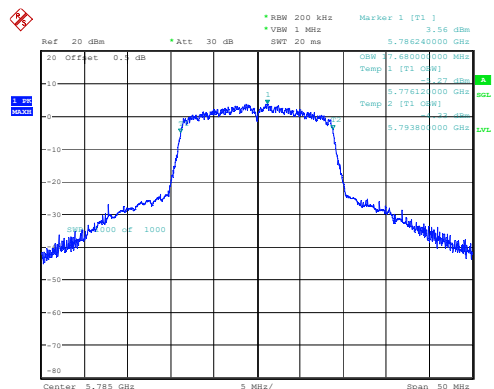
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:33:51

n20\_5745MHz\_Chain 0



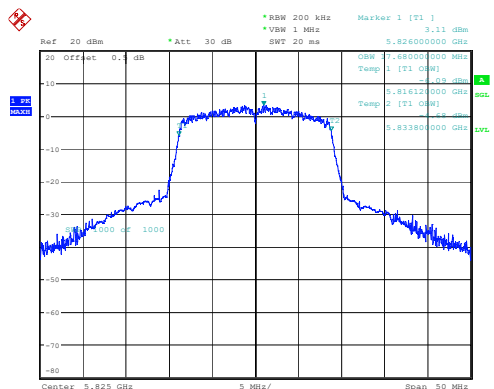
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:53:25

n20\_5785MHz\_Chain 0



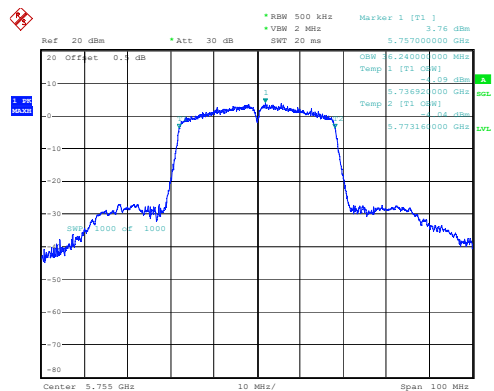
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Date: 6.AUG.2024 09:54:42

n20\_5825MHz\_Chain 0



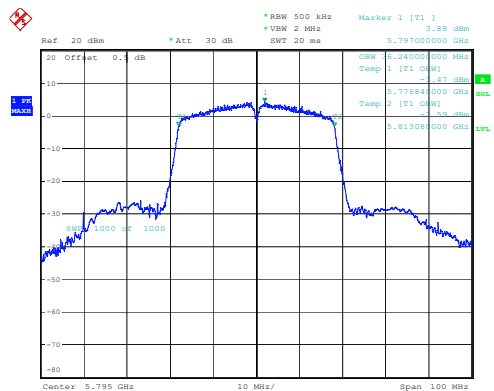
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 09:56:51

n40\_5755MHz\_Chain 0



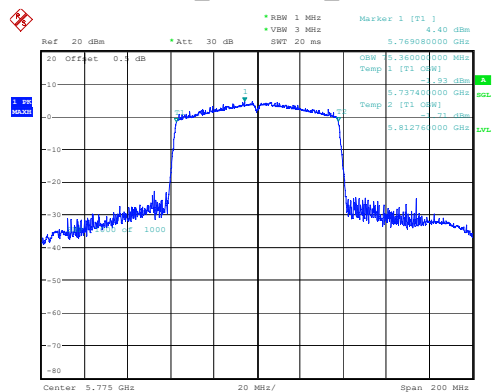
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Date: 6.AUG.2024 10:48:21

n40\_5795MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 10:50:24

ac80\_5775MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 6.AUG.2024 11:31:18

## **FCC §15.407(a) - MAXIMUM CONDUCTED OUTPUT POWER**

### **Applicable Standard**

#### **FCC §15.407(a) (1)(iv)**

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

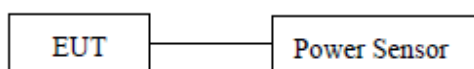
#### **FCC §15.407(a) (2)**

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **FCC §15.407(a) (3)(i)**

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

### **EUT Setup**



### **Test Procedure**

According to ANSI C63.10-2013 Section 12.3.3.1

Method PM-G is measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

**Test Data**

|                |                      |                                          |                                              |
|----------------|----------------------|------------------------------------------|----------------------------------------------|
| Test Mode:     | Transmitting         | Test Engineer:                           | Stein Peng                                   |
| Test Date:     | 2024-08-06           | Test Voltage:                            | AC120V/60Hz                                  |
| Test Result:   | Compliance           | Environment:                             | Temp.: 24.0°C<br>Humi.: 65%<br>Atm.:100.2kPa |
| Test Modes     | Test Frequency (MHz) | Max. Conducted Average Output Power(dBm) |                                              |
|                |                      | Reading                                  | Limit                                        |
| 5150-5250 MHz  |                      |                                          |                                              |
| 802.11a        | 5180                 | 13.716                                   | 24                                           |
|                | 5200                 | 13.851                                   | 24                                           |
|                | 5240                 | 13.926                                   | 24                                           |
| 802.11n ht20   | 5180                 | 13.015                                   | 24                                           |
|                | 5200                 | 13.216                                   | 24                                           |
|                | 5240                 | 13.477                                   | 24                                           |
| 802.11n ht40   | 5190                 | 11.013                                   | 24                                           |
|                | 5230                 | 12.117                                   | 24                                           |
| 802.11ac vht80 | 5210                 | 10.616                                   | 24                                           |
| 5250-5350 MHz  |                      |                                          |                                              |
| 802.11a        | 5260                 | 13.852                                   | 24                                           |
|                | 5280                 | 13.817                                   | 24                                           |
|                | 5320                 | 13.673                                   | 24                                           |
| 802.11n ht20   | 5260                 | 13.515                                   | 24                                           |
|                | 5280                 | 13.627                                   | 24                                           |
|                | 5320                 | 13.851                                   | 24                                           |
| 802.11n ht40   | 5270                 | 12.351                                   | 24                                           |
|                | 5310                 | 11.493                                   | 24                                           |
| 802.11ac vht80 | 5290                 | 10.514                                   | 24                                           |
| 5470-5725 MHz  |                      |                                          |                                              |
| 802.11a        | 5500                 | 12.053                                   | 24                                           |
|                | 5580                 | 11.531                                   | 24                                           |
|                | 5700                 | 10.585                                   | 24                                           |
|                | 5720                 | 10.598                                   | 24                                           |
| 802.11n ht20   | 5500                 | 11.962                                   | 24                                           |
|                | 5580                 | 11.353                                   | 24                                           |
|                | 5700                 | 10.544                                   | 24                                           |
|                | 5720                 | 10.406                                   | 24                                           |
| 802.11n ht40   | 5510                 | 9.631                                    | 24                                           |
|                | 5550                 | 10.457                                   | 24                                           |
|                | 5670                 | 9.532                                    | 24                                           |
|                | 5710                 | 9.135                                    | 24                                           |
| 802.11ac vht80 | 5530                 | 9.216                                    | 24                                           |
|                | 5610                 | 9.544                                    | 24                                           |
|                | 5690                 | 8.975                                    | 24                                           |

| Test Modes     | Test Frequency<br>(MHz) | Max. Conducted Average Output Power(dBm) |            |
|----------------|-------------------------|------------------------------------------|------------|
|                |                         | Reading(dBm)                             | Limit(dBm) |
| 5725-5850 MHz  |                         |                                          |            |
| 802.11a        | 5745                    | 10.932                                   | 30         |
|                | 5785                    | 10.623                                   | 30         |
|                | 5825                    | 10.464                                   | 30         |
| 802.11n ht40   | 5745                    | 10.768                                   | 30         |
|                | 5785                    | 10.603                                   | 30         |
|                | 5825                    | 10.313                                   | 30         |
| 802.11n ht40   | 5755                    | 9.457                                    | 30         |
|                | 5795                    | 9.335                                    | 30         |
| 802.11ac vht80 | 5775                    | 9.063                                    | 30         |

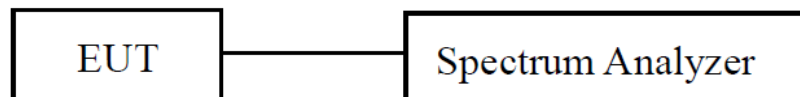
Note: The device is a client device.

## **FCC §15.407(a) - POWER SPECTRAL DENSITY**

### **Applicable Standard**

FCC §15.407(a) (1)(i); FCC §15.407(a) (2); FCC §15.407(a) (3)(i)

### **EUT Setup**



### **Test Procedure**

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

#### **Duty cycle $\geq 98\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

#### **Duty cycle $< 98\%$ , duty cycle variations are less than $\pm 2\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

#### **Duty cycle $< 98\%$ , duty cycle variations exceed $\pm 2\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

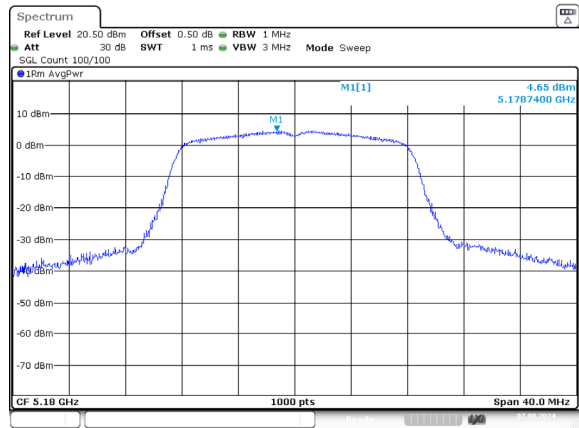
**Test Data**

|                |                         |                      |                              |                                             |       |                                              |  |
|----------------|-------------------------|----------------------|------------------------------|---------------------------------------------|-------|----------------------------------------------|--|
| Test Mode:     |                         | Transmitting         |                              | Test Engineer:                              |       | Stein Peng                                   |  |
| Test Date:     |                         | 2024-08-07           |                              | Test Voltage:                               |       | AC120V/60Hz                                  |  |
| Test Result:   |                         | Compliance           |                              | Environment:                                |       | Temp.: 24.3°C<br>Humi.: 59%<br>Atm: 100.5kPa |  |
| Test Modes     | Test Frequency<br>(MHz) | Reading<br>(dBm/MHz) | Duty Cycle<br>Factor<br>(dB) | Maximum Power Spectral Density<br>(dBm/MHz) |       |                                              |  |
|                |                         |                      |                              | Result                                      | Limit |                                              |  |
| 5150-5250 MHz  |                         |                      |                              |                                             |       |                                              |  |
| 802.11a        | 5180                    | 4.65                 | 0.14                         | 4.79                                        | 11    |                                              |  |
|                | 5200                    | 4.78                 | 0.14                         | 4.92                                        | 11    |                                              |  |
|                | 5240                    | 5.33                 | 0.14                         | 5.47                                        | 11    |                                              |  |
| 802.11n ht20   | 5180                    | 4.47                 | 0.15                         | 4.62                                        | 11    |                                              |  |
|                | 5200                    | 4.69                 | 0.15                         | 4.84                                        | 11    |                                              |  |
|                | 5240                    | 5.09                 | 0.15                         | 5.24                                        | 11    |                                              |  |
| 802.11n ht40   | 5190                    | -0.65                | 0.29                         | -0.36                                       | 11    |                                              |  |
|                | 5230                    | 0.76                 | 0.29                         | 1.05                                        | 11    |                                              |  |
| 802.11ac vht80 | 5210                    | -3.84                | 0.28                         | -3.56                                       | 11    |                                              |  |
| 5250-5350 MHz  |                         |                      |                              |                                             |       |                                              |  |
| 802.11a        | 5260                    | 5.57                 | 0.14                         | 5.71                                        | 11    |                                              |  |
|                | 5280                    | 5.48                 | 0.14                         | 5.62                                        | 11    |                                              |  |
|                | 5320                    | 5.28                 | 0.14                         | 5.42                                        | 11    |                                              |  |
| 802.11n ht20   | 5260                    | 5.12                 | 0.15                         | 5.27                                        | 11    |                                              |  |
|                | 5280                    | 5.32                 | 0.15                         | 5.47                                        | 11    |                                              |  |
|                | 5320                    | 5.62                 | 0.15                         | 5.77                                        | 11    |                                              |  |
| 802.11n ht40   | 5270                    | 0.99                 | 0.49                         | 1.48                                        | 11    |                                              |  |
|                | 5310                    | -0.24                | 0.49                         | 0.25                                        | 11    |                                              |  |
| 802.11ac vht80 | 5290                    | -3.56                | 0.61                         | -2.95                                       | 11    |                                              |  |
| 5470-5725 MHz  |                         |                      |                              |                                             |       |                                              |  |
| 802.11a        | 5500                    | 4.57                 | 0.14                         | 4.71                                        | 11    |                                              |  |
|                | 5580                    | 3.65                 | 0.14                         | 3.79                                        | 11    |                                              |  |
|                | 5700                    | 2.13                 | 0.14                         | 2.27                                        | 11    |                                              |  |
|                | 5720                    | 2.15                 | 0.14                         | 2.29                                        | 11    |                                              |  |
| 802.11n ht20   | 5500                    | 4.14                 | 0.15                         | 4.29                                        | 11    |                                              |  |
|                | 5580                    | 3.4                  | 0.15                         | 3.55                                        | 11    |                                              |  |
|                | 5700                    | 1.97                 | 0.15                         | 2.12                                        | 11    |                                              |  |
|                | 5720                    | 1.82                 | 0.15                         | 1.97                                        | 11    |                                              |  |
| 802.11n ht40   | 5510                    | -1.3                 | 0.29                         | -1.01                                       | 11    |                                              |  |
|                | 5550                    | -0.25                | 0.29                         | 0.04                                        | 11    |                                              |  |
|                | 5670                    | -2.09                | 0.29                         | -1.80                                       | 11    |                                              |  |
|                | 5710                    | -2.13                | 0.29                         | -1.84                                       | 11    |                                              |  |
| 802.11ac vht80 | 5530                    | -4.59                | 0.61                         | -3.98                                       | 11    |                                              |  |
|                | 5610                    | -4.4                 | 0.61                         | -3.79                                       | 11    |                                              |  |
|                | 5690                    | -5.4                 | 0.61                         | -4.79                                       | 11    |                                              |  |

| Test Modes     | Test Frequency<br>(MHz) | Reading<br>(dBm /500kHz) | Duty Cycle<br>Factor<br>(dB) | Maximum Power Spectral Density<br>(dBm /500kHz) |       |
|----------------|-------------------------|--------------------------|------------------------------|-------------------------------------------------|-------|
|                |                         |                          |                              | Result                                          | Limit |
| 5725-5850 MHz  |                         |                          |                              |                                                 |       |
| 802.11a        | 5745                    | 0.06                     | 0.14                         | 0.20                                            | 30    |
|                | 5785                    | 0.03                     | 0.14                         | 0.17                                            | 30    |
|                | 5825                    | 0.04                     | 0.14                         | 0.18                                            | 30    |
| 802.11n ht20   | 5745                    | -0.3                     | 0.15                         | -0.15                                           | 30    |
|                | 5785                    | -0.32                    | 0.15                         | -0.17                                           | 30    |
|                | 5825                    | -0.18                    | 0.15                         | -0.03                                           | 30    |
| 802.11n ht40   | 5755                    | -4.41                    | 0.28                         | -4.13                                           | 30    |
|                | 5795                    | -4.95                    | 0.28                         | -4.67                                           | 30    |
| 802.11ac vht80 | 5775                    | -7.98                    | 0.61                         | -7.37                                           | 30    |

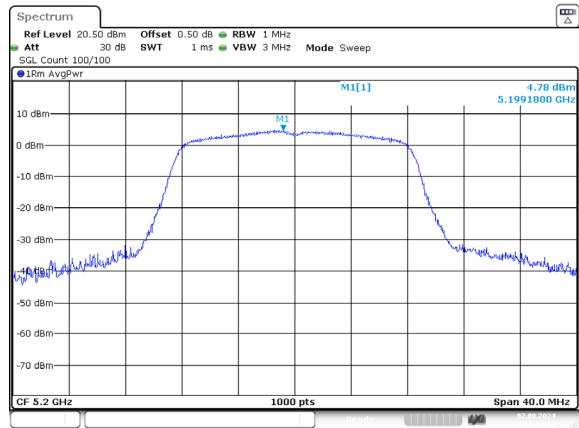
5150-5250 MHz:

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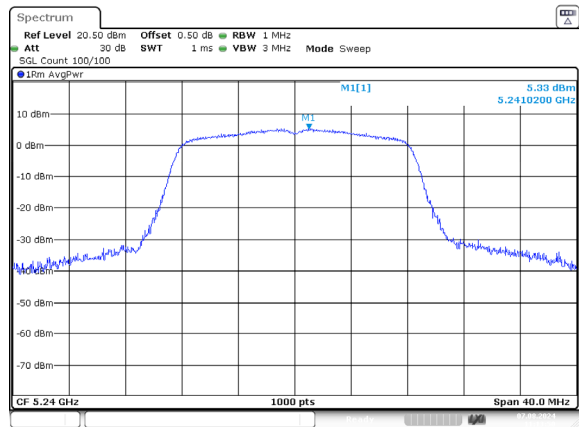
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Date: 7.AUG.2024 11:12:41

a\_5200MHz\_Chain 0



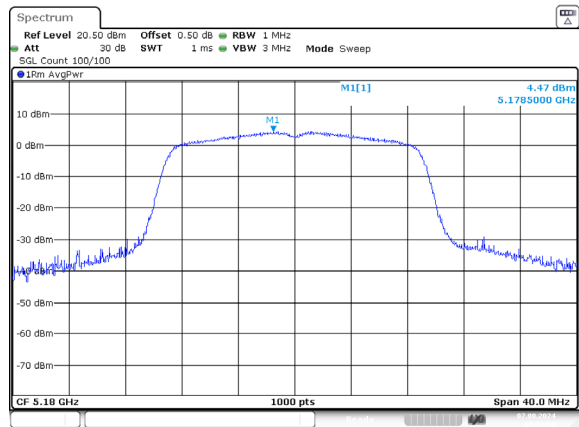
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Date: 7.AUG.2024 11:12:56

a\_5240MHz\_Chain 0



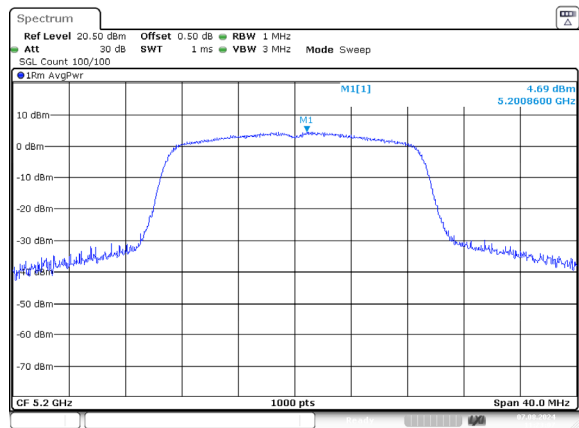
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Date: 7.AUG.2024 11:13:50

n20\_5180MHz\_Chain 0



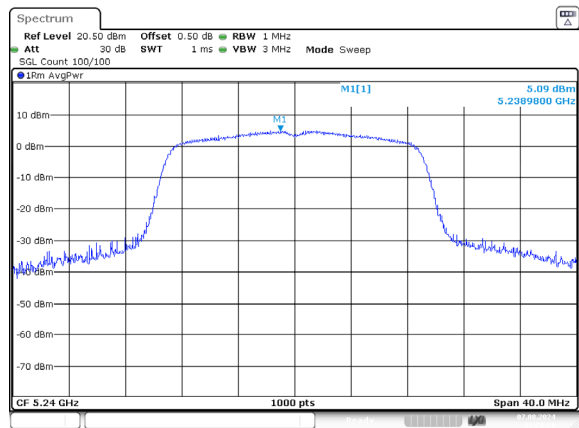
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Date: 7.AUG.2024 11:22:52

n20\_5200MHz\_Chain 0z



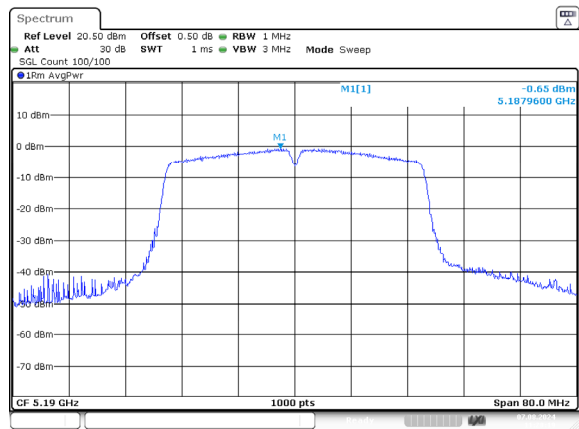
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Date: 7.AUG.2024 11:23:07

n20\_5240MHz\_Chain 0



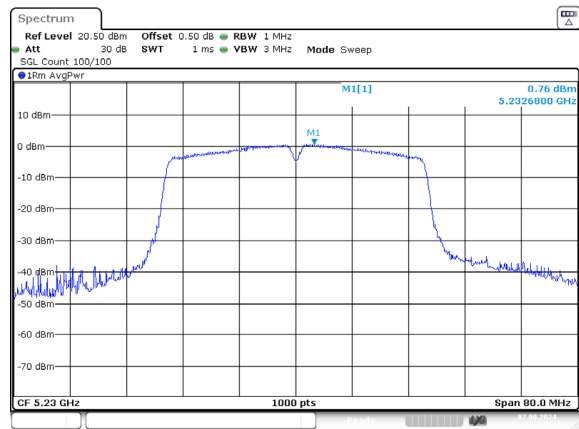
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Date: 7.AUG.2024 11:23:26

n40\_5190MHz\_Chain 0



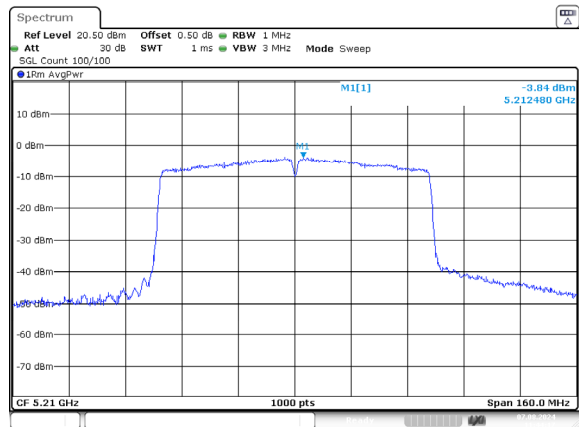
ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 7.AUG.2024 11:28:19

n40\_5230MHz\_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng  
Date: 7.AUG.2024 11:28:37

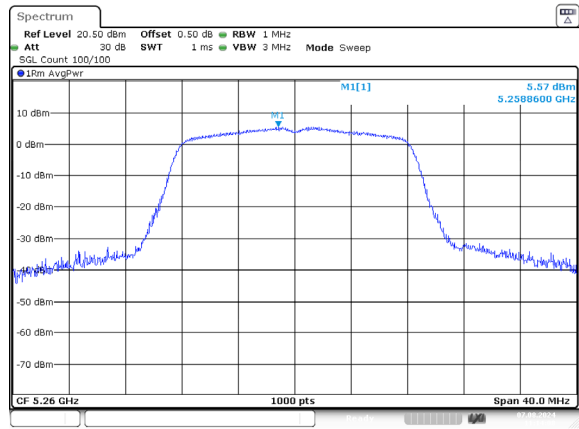
ac80\_5210MHz\_Chain 0



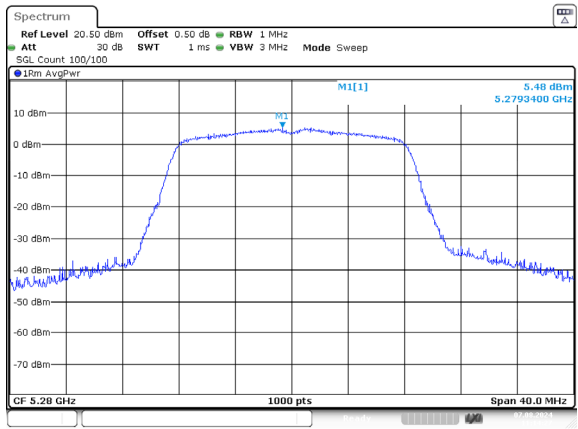
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Date: 7.AUG.2024 11:44:17

5250-5350 MHz:

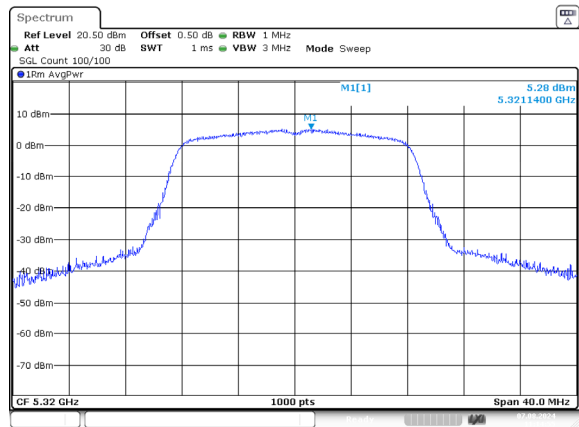
a\_5260MHz\_Chain 0



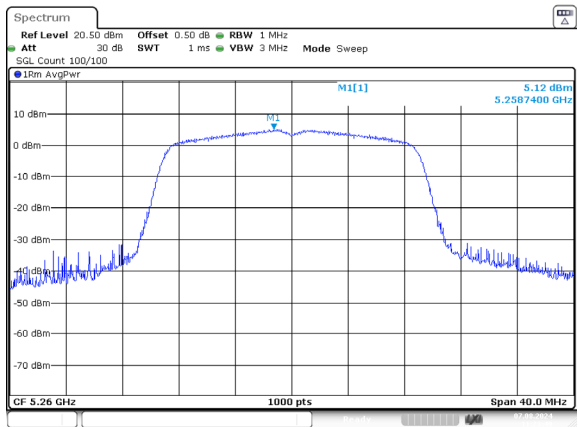
a\_5280MHz\_Chain 0



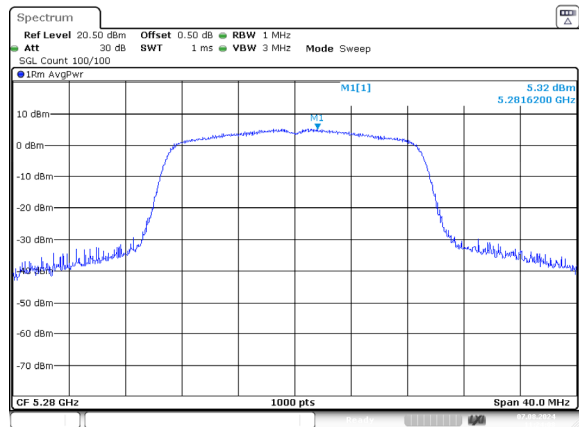
a\_5320MHz\_Chain 0



n20\_5260MHz\_Chain 0



n20\_5280MHz\_Chain 0



n20\_5320MHz\_Chain 0

