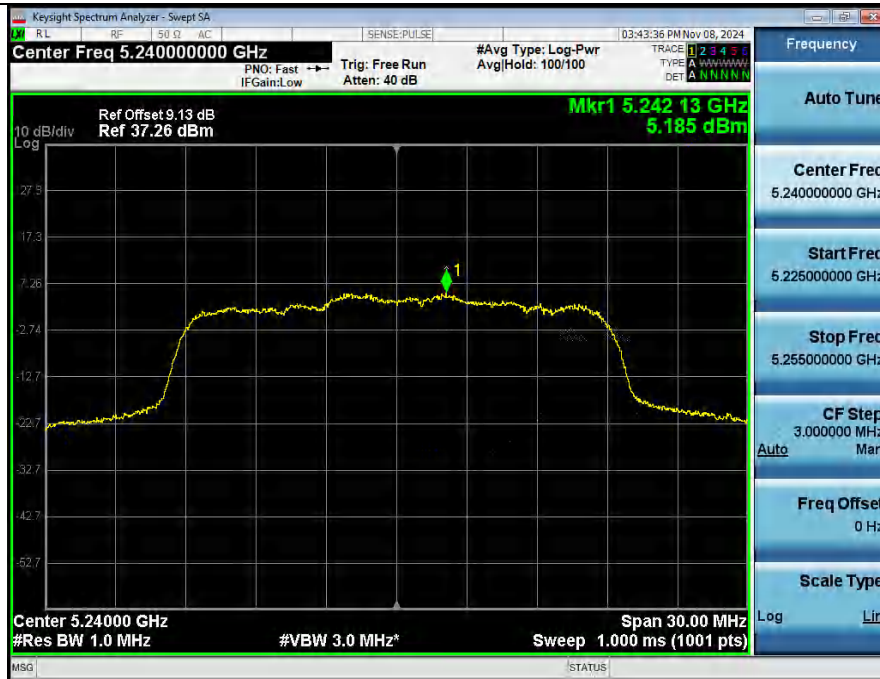


# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 113 of 308



Power\_Spectral\_Density NVNT\_ANT2\_802\_11a\_5240



Power\_Spectral\_Density NVNT\_ANT1\_802\_11n(HT20)\_5180

Appendix B  
CN24XTFJ 003  
Page 114 of 308

Prüfbericht - Produkte  
Test Report - Products



Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5180



Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5200

Appendix B

CN24XTFJ 003

Page 115 of 308

Prüfbericht - Produkte

Test Report - Products



Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5200



Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5240

Appendix B

CN24XTFJ 003

Page 116 of 308

Prüfbericht - Produkte

Test Report - Products



Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5240



Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT20)\_5180

Appendix B

CN24XTFJ 003

Page 117 of 308

Prüfbericht - Produkte

Test Report - Products



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT20)\_5180



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5200

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 118 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT20)\_5200



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5240

Appendix B

CN24XTFJ 003

Page 119 of 308

Prüfbericht - Produkte

Test Report - Products



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT20)\_5240



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE20)\_5180

## Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 120 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ax(HE20)\_5180



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE20)\_5200

## Appendix B

### CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 121 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ax(HE20)\_5200



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE20)\_5240

## Appendix B

### CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 122 of 308



Power Spectral Density NVNT ANT2 802\_11ax(HE20) 5240



Power Spectral Density NVNT ANT1 802\_11n(HT40) 5190

## Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 123 of 308



Power Spectral Density NVNT\_ANT2\_802\_11n(HT40)\_5190



Power Spectral Density NVNT\_ANT1\_802\_11n(HT40)\_5230

Appendix B  
CN24XTFJ 003  
Page 124 of 308

Prüfbericht - Produkte  
Test Report - Products



Power Spectral Density NVNT\_ANT2\_802\_11n(HT40)\_5230



Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT40)\_5190

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 125 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT40)\_5190



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT40)\_5230

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 126 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT40)\_5230



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE40)\_5190

Appendix B

CN24XTFJ 003

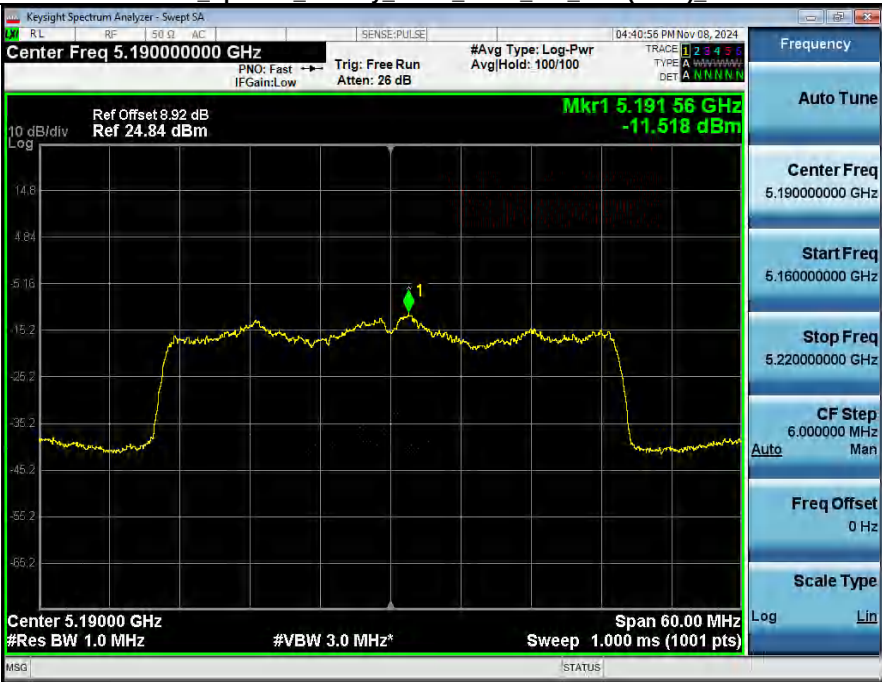
Page 127 of 308

Prüfbericht - Produkte

Test Report - Products



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ax(HE40)\_5190



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE40)\_5230

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 128 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ax(HE40)\_5230



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT80)\_5210

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 129 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT80)\_5210



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE80)\_5210

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 130 of 308



Power Spectral Density NVNT ANT2 802 11ax(HE80) 5210



## Appendix B

### CN24XTFJ 003

Prüfbericht - Produkte

Test Report - Products

Page 131 of 308

#### 3.2 Test Datas Bands U-NII-3

| Condition | Antenna | Modulation      | Frequency (MHz) | PSD_SA (dBm/RBW) | Duty factor (dB) | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Result |
|-----------|---------|-----------------|-----------------|------------------|------------------|------------------|--------------------|--------|
| NVNT      | ANT1    | 802.11a         | 5745.00         | 1.41             | 0.00             | 1.33             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11a         | 5745.00         | 1.99             | 0.00             | 1.90             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11a         | 5785.00         | 3.58             | 0.00             | 3.49             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11a         | 5785.00         | 2.25             | 0.00             | 2.16             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11a         | 5825.00         | 3.35             | 0.00             | 3.27             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11a         | 5825.00         | 3.93             | 0.00             | 3.84             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00         | 1.27             | 0.16             | 1.35             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5745.00         | 1.44             | 0.16             | 1.51             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00         | 2.47             | 0.16             | 2.54             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5785.00         | 1.62             | 0.16             | 1.70             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00         | 1.70             | 0.16             | 1.77             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5825.00         | 3.28             | 0.13             | 3.33             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00         | 0.91             | 0.22             | 1.05             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5745.00         | 0.73             | 0.22             | 0.87             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00         | 1.78             | 0.22             | 1.92             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5785.00         | 1.89             | 0.22             | 2.02             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00         | 1.86             | 0.22             | 2.00             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5825.00         | 1.26             | 0.22             | 1.40             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00         | -4.50            | 0.52             | -4.07            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5745.00         | -1.45            | 0.52             | -1.02            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00         | -1.98            | 0.52             | -1.55            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5785.00         | -1.88            | 0.52             | -1.44            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00         | -4.34            | 0.24             | -4.19            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5825.00         | -13.10           | 0.24             | -12.95           | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00         | -3.08            | 0.44             | -2.73            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11n(HT40)   | 5755.00         | -3.56            | 0.43             | -3.22            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00         | -4.86            | 0.43             | -4.52            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11n(HT40)   | 5795.00         | -5.42            | 0.43             | -5.08            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00         | -7.32            | 0.43             | -6.98            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5755.00         | -6.16            | 0.43             | -5.81            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00         | -9.70            | 0.91             | -8.88            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5795.00         | -8.15            | 0.93             | -7.31            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00         | -7.83            | 0.93             | -6.99            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5755.00         | -7.76            | 0.91             | -6.93            | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00         | -11.06           | 0.85             | -10.30           | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5795.00         | -13.60           | 0.85             | -12.84           | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00         | -9.74            | 0.97             | -8.85            | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT80) | 5775.00         | -12.85           | 0.97             | -11.96           | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00         | -10.02           | 0.31             | 1.33             | 30                 | Pass   |
| NVNT      | ANT2    | 802.11ax(HE80)  | 5775.00         | -12.55           | 0.31             | 1.90             | 30                 | Pass   |

| Condition | Antenna | Mode            | Frequency (MHz) | MIMO PSD(dBm/500kHz) | Limit(dBm/500kHz) | Result |
|-----------|---------|-----------------|-----------------|----------------------|-------------------|--------|
| NVNT      | MIMO_TX | 802.11n(HT20)   | 5745.00         | 3.96                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11n(HT20)   | 5785.00         | 4.71                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11n(HT20)   | 5825.00         | 5.16                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ac(VHT20) | 5745.00         | 3.35                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ac(VHT20) | 5785.00         | 4.15                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ac(VHT20) | 5825.00         | 4.39                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ax(HE20)  | 5745.00         | 0.27                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ax(HE20)  | 5825.00         | 0.90                 | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11n(HT40)   | 5755.00         | -3.78                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11n(HT40)   | 5795.00         | -0.42                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ac(VHT40) | 5755.00         | -3.17                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ac(VHT40) | 5795.00         | -3.88                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ax(HE40)  | 5755.00         | -5.47                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ax(HE40)  | 5795.00         | -6.16                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ac(VHT80) | 5775.00         | -8.56                | 30                | Pass   |
| NVNT      | MIMO_TX | 802.11ax(HE80)  | 5775.00         | -7.60                | 30                | Pass   |

Note: The cable loss and duty cycle factor are taken into account in results, e.i.r.p.=P<sub>(Peak power)</sub>+ G



# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 133 of 308



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11a\_5785



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11a\_5825

Appendix B  
CN24XTFJ 003  
Page 134 of 308

Prüfbericht - Produkte  
Test Report - Products



Power\_Spectral\_Density NVNT\_ANT2\_802\_11a\_5825



Power\_Spectral\_Density NVNT\_ANT1\_802\_11n(HT20)\_5745

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 135 of 308



Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5745



Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5785

Appendix B  
CN24XTFJ 003  
Page 136 of 308

Prüfbericht - Produkte  
Test Report - Products



Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5785



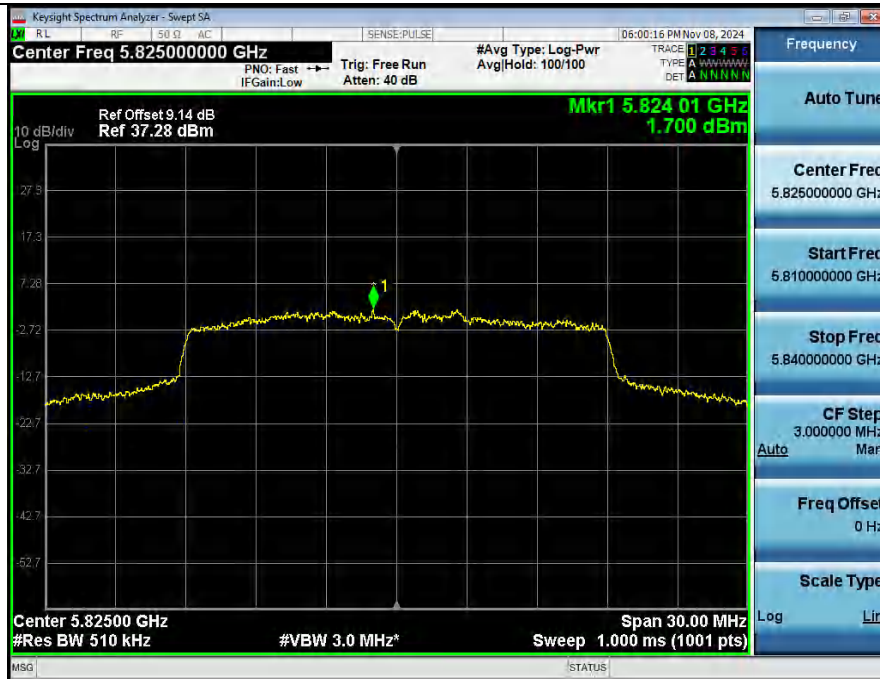
Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5825

# Appendix B

CN24XTFJ 003

Prüfbericht - Produkte  
Test Report - Products

Page 137 of 308



Power Spectral Density NVNT\_ANT2\_802\_11n(HT20)\_5825



Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT20)\_5745

Appendix B  
CN24XTFJ 003  
Page 138 of 308

Prüfbericht - Produkte  
Test Report - Products



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT20)\_5745



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785

Appendix B

CN24XTFJ 003

Page 139 of 308

Prüfbericht - Produkte

Test Report - Products



Power Spectral Density NVNT\_ANT2\_802\_11ac(VHT20)\_5785



Power Spectral Density NVNT\_ANT1\_802\_11ac(VHT20)\_5825

Appendix B

CN24XTFJ 003

Page 140 of 308

Prüfbericht - Produkte

Test Report - Products



Power\_Spectral\_Density\_NVNT\_ANT2\_802\_11ac(VHT20)\_5825



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE20)\_5745