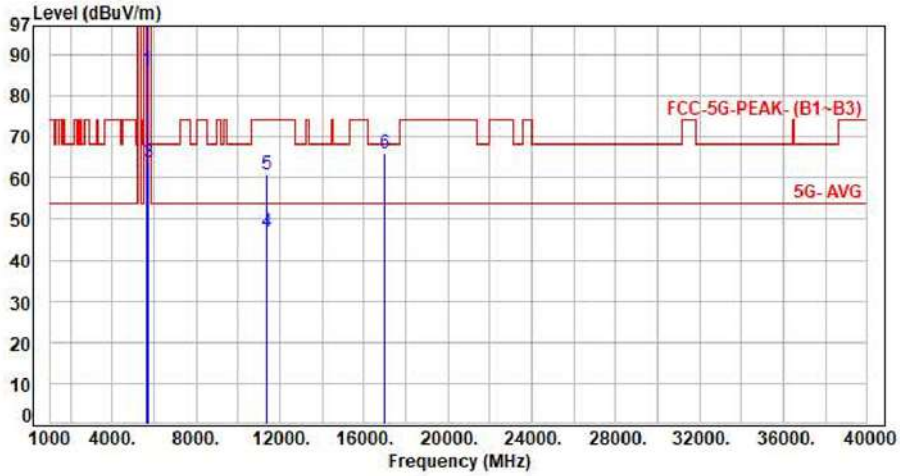
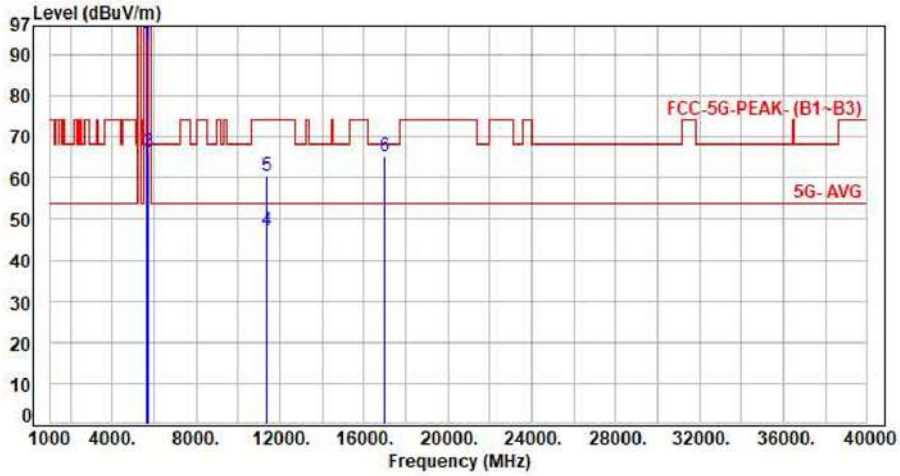
Test Mode : 2TX 11ax40 CH134 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5670.00 | 7.48 | 78.93 | 86.41 | 200.00 | -113.59 | Average | 105 | 297 | P |
| 2 | 5670.00 | 7.48 | 91.67 | 99.15 | 200.00 | -100.85 | Peak | 105 | 297 | P |
| 3 | 5725.00 | 7.43 | 56.24 | 63.67 | 68.20 | -4.53 | Peak | 105 | 297 | P |
| 4 | 11340.00 | 17.96 | 28.73 | 46.69 | 54.00 | -7.31 | Average | 100 | 152 | P |
| 5 | 11340.00 | 17.96 | 42.85 | 60.81 | 74.00 | -13.19 | Peak | 100 | 152 | P |
| 6 | 17010.00 | 23.47 | 42.42 | 65.89 | 68.20 | -2.31 | Peak | 100 | 12 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

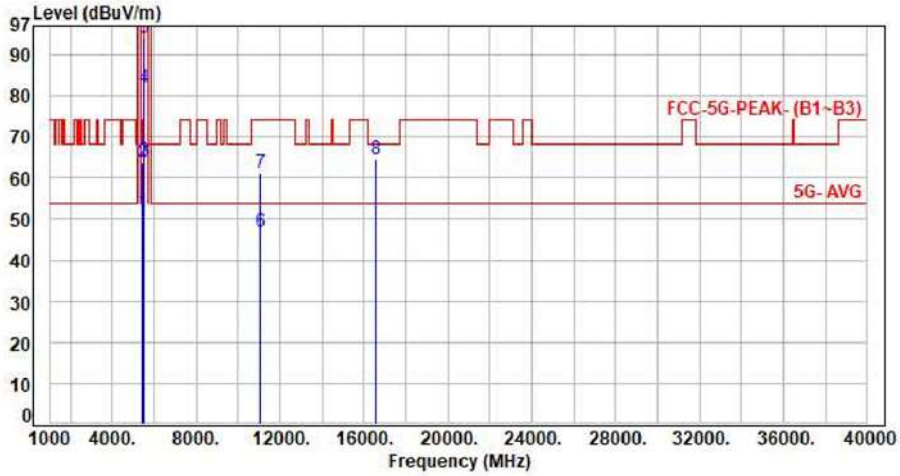
Test Mode : 2TX 11ax40 CH134 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5670.00 | 7.48 | 85.53 | 93.01 | 200.00 | -106.99 | Average | 100 | 154 | P |
| 2 | 5670.00 | 7.48 | 99.20 | 106.68 | 200.00 | -93.32 | Peak | 100 | 154 | P |
| 3 | 5725.00 | 7.43 | 58.77 | 66.20 | 68.20 | -2.00 | Peak | 100 | 154 | P |
| 4 | 11340.00 | 17.96 | 29.07 | 47.03 | 54.00 | -6.97 | Average | 100 | 288 | P |
| 5 | 11340.00 | 17.96 | 42.68 | 60.64 | 74.00 | -13.36 | Peak | 100 | 288 | P |
| 6 | 17010.00 | 23.47 | 41.94 | 65.41 | 68.20 | -2.79 | Peak | 100 | 265 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

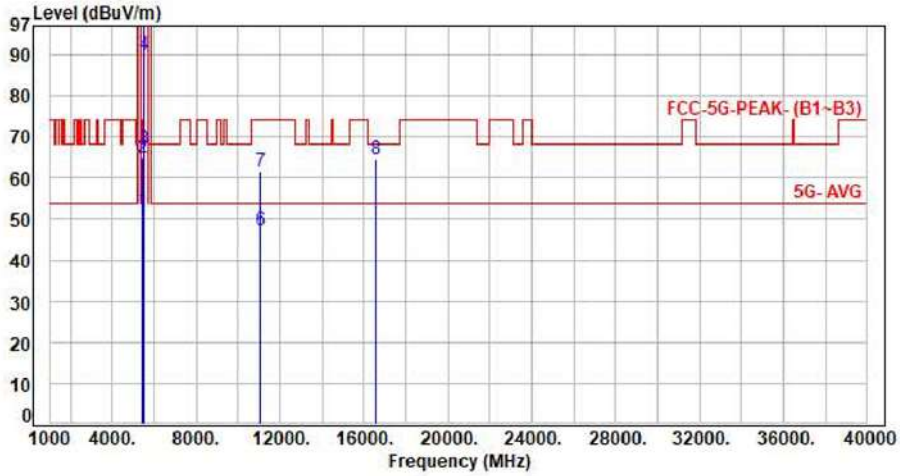
Test Mode : 2TX 11ax80 CH106 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 44.16 | 51.71 | 54.00 | -2.29 | Average | 100 | 296 | P |
| 2 | 5460.00 | 7.55 | 56.42 | 63.97 | 74.00 | -10.03 | Peak | 100 | 296 | P |
| 3 | 5470.00 | 7.58 | 56.54 | 64.12 | 68.20 | -4.08 | Peak | 100 | 296 | P |
| 4 | 5530.00 | 7.63 | 74.08 | 81.71 | 200.00 | -118.29 | Average | 100 | 296 | P |
| 5 | 5530.00 | 7.63 | 86.59 | 94.22 | 200.00 | -105.78 | Peak | 100 | 296 | P |
| 6 | 11060.00 | 17.87 | 29.03 | 46.90 | 54.00 | -7.10 | Average | 100 | 150 | P |
| 7 | 11060.00 | 17.87 | 43.24 | 61.11 | 74.00 | -12.89 | Peak | 100 | 150 | P |
| 8 | 16590.00 | 21.59 | 42.87 | 64.46 | 68.20 | -3.74 | Peak | 100 | 12 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

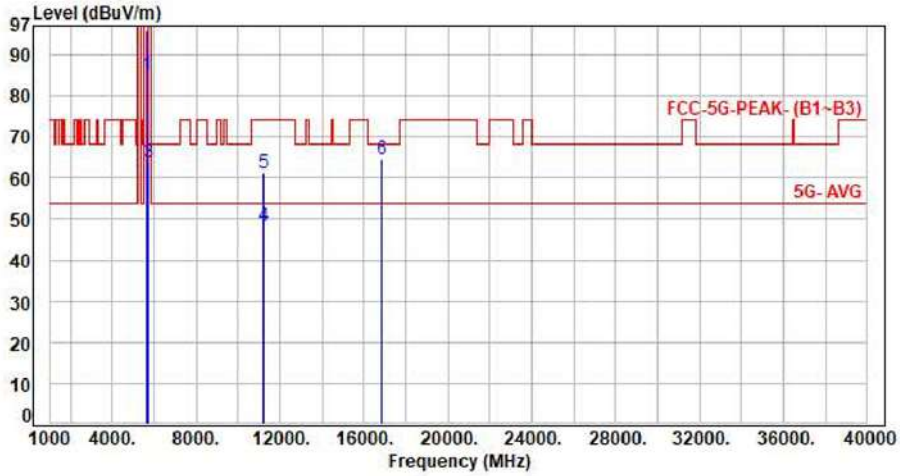
Test Mode : 2TX 11ax80 CH106 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 44.51 | 52.06 | 54.00 | -1.94 | Average | 100 | 155 | P |
| 2 | 5460.00 | 7.55 | 57.46 | 65.01 | 74.00 | -8.99 | Peak | 100 | 155 | P |
| 3 | 5470.00 | 7.58 | 59.42 | 67.00 | 68.20 | -1.20 | Peak | 100 | 155 | P |
| 4 | 5530.00 | 7.63 | 82.21 | 89.84 | 200.00 | -110.16 | Average | 100 | 155 | P |
| 5 | 5530.00 | 7.63 | 93.86 | 101.49 | 200.00 | -98.51 | Peak | 100 | 155 | P |
| 6 | 11060.00 | 17.87 | 29.36 | 47.23 | 54.00 | -6.77 | Average | 100 | 290 | P |
| 7 | 11060.00 | 17.87 | 43.54 | 61.41 | 74.00 | -12.59 | Peak | 100 | 290 | P |
| 8 | 16590.00 | 21.59 | 42.93 | 64.52 | 68.20 | -3.68 | Peak | 100 | 267 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

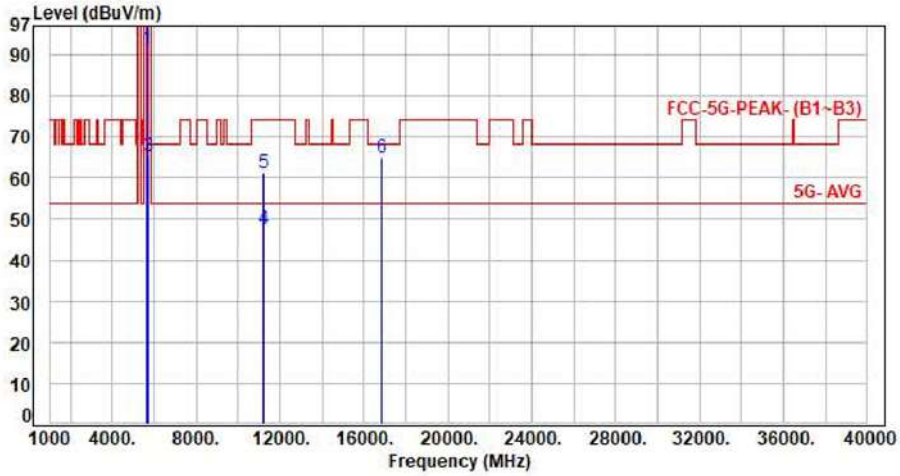
Test Mode : 2TX 11ax80 CH122 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5610.00 | 7.51 | 77.57 | 85.08 | 200.00 | -114.92 | Average | 106 | 294 | P |
| 2 | 5610.00 | 7.51 | 88.55 | 96.06 | 200.00 | -103.94 | Peak | 106 | 294 | P |
| 3 | 5725.00 | 7.43 | 56.19 | 63.62 | 68.20 | -4.58 | Peak | 106 | 294 | P |
| 4 | 11220.00 | 17.88 | 30.46 | 48.34 | 54.00 | -5.66 | Average | 100 | 153 | P |
| 5 | 11220.00 | 17.88 | 43.29 | 61.17 | 74.00 | -12.83 | Peak | 100 | 153 | P |
| 6 | 16830.00 | 22.58 | 42.10 | 64.68 | 68.20 | -3.52 | Peak | 100 | 10 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

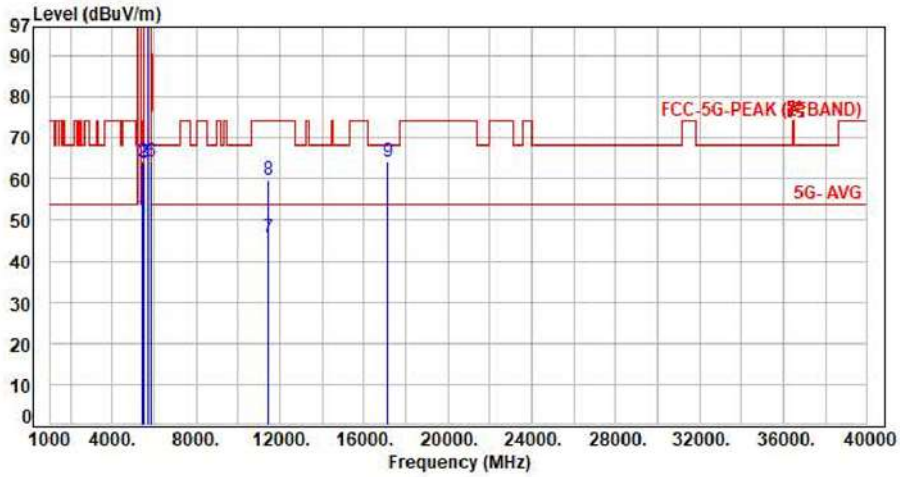
Test Mode : 2TX 11ax80 CH122 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5610.00 | 7.51 | 83.94 | 91.45 | 200.00 | -108.55 | Average | 100 | 160 | P |
| 2 | 5610.00 | 7.51 | 96.37 | 103.88 | 200.00 | -96.12 | Peak | 100 | 160 | P |
| 3 | 5725.00 | 7.43 | 57.79 | 65.22 | 68.20 | -2.98 | Peak | 100 | 160 | P |
| 4 | 11220.00 | 17.88 | 29.82 | 47.70 | 54.00 | -6.30 | Average | 100 | 292 | P |
| 5 | 11220.00 | 17.88 | 43.29 | 61.17 | 74.00 | -12.83 | Peak | 100 | 292 | P |
| 6 | 16830.00 | 22.58 | 42.16 | 64.74 | 68.20 | -3.46 | Peak | 100 | 267 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

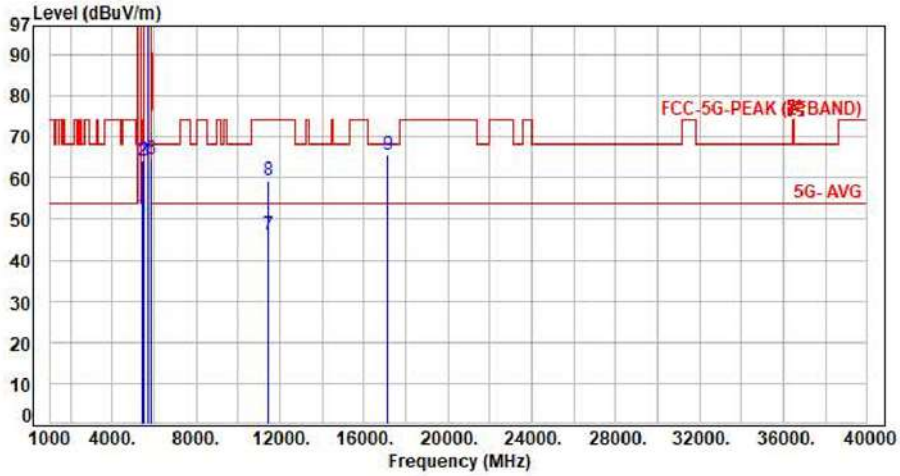
Test Mode : 2TX 11a CH144 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 43.33 | 50.88 | 54.00 | -3.12 | Average | 100 | 296 | P |
| 2 | 5460.00 | 7.55 | 56.53 | 64.08 | 74.00 | -9.92 | Peak | 100 | 296 | P |
| 3 | 5470.00 | 7.58 | 56.13 | 63.71 | 68.20 | -4.49 | Peak | 100 | 296 | P |
| 4 | 5720.00 | 7.43 | 93.43 | 100.86 | 200.00 | -99.14 | Average | 100 | 296 | P |
| 5 | 5720.00 | 7.43 | 105.33 | 112.76 | 200.00 | -87.24 | Peak | 100 | 296 | P |
| 6 | 5850.00 | 7.47 | 56.72 | 64.19 | 68.20 | -4.01 | Peak | 100 | 296 | P |
| 7 | 11440.00 | 16.43 | 29.24 | 45.67 | 54.00 | -8.33 | Average | 100 | 155 | P |
| 8 | 11440.00 | 16.43 | 43.16 | 59.59 | 74.00 | -14.41 | Peak | 100 | 155 | P |
| 9 | 17160.00 | 22.17 | 42.15 | 64.32 | 68.20 | -3.88 | Peak | 100 | 231 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

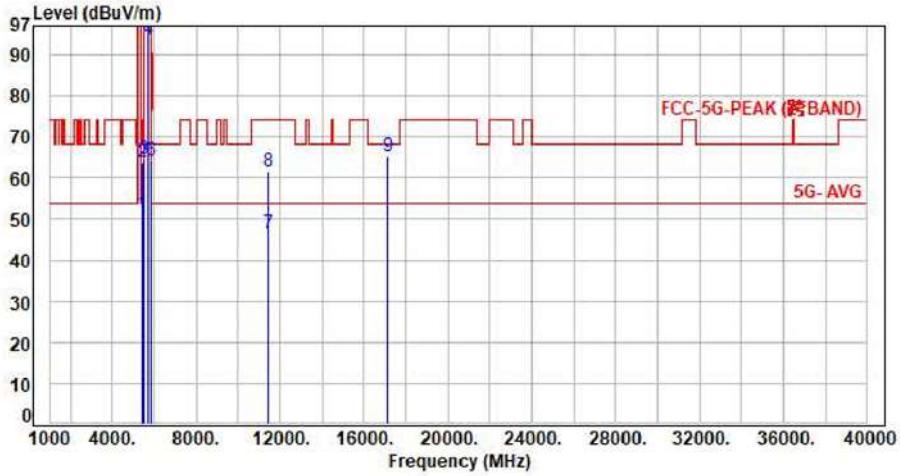
Test Mode : 2TX 11a CH144 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 43.23 | 50.78 | 54.00 | -3.22 | Average | 100 | 176 | P |
| 2 | 5460.00 | 7.55 | 56.46 | 64.01 | 74.00 | -9.99 | Peak | 100 | 176 | P |
| 3 | 5470.00 | 7.58 | 56.75 | 64.33 | 68.20 | -3.87 | Peak | 100 | 176 | P |
| 4 | 5720.00 | 7.43 | 100.22 | 107.65 | 200.00 | -92.35 | Average | 100 | 176 | P |
| 5 | 5720.00 | 7.43 | 111.35 | 118.78 | 200.00 | -81.22 | Peak | 100 | 176 | P |
| 6 | 5850.00 | 7.47 | 56.89 | 64.36 | 68.20 | -3.84 | Peak | 100 | 176 | P |
| 7 | 11440.00 | 16.43 | 29.57 | 46.00 | 54.00 | -8.00 | Average | 100 | 224 | P |
| 8 | 11440.00 | 16.43 | 42.96 | 59.39 | 74.00 | -14.61 | Peak | 100 | 224 | P |
| 9 | 17160.00 | 22.17 | 43.60 | 65.77 | 68.20 | -2.43 | Peak | 100 | 91 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

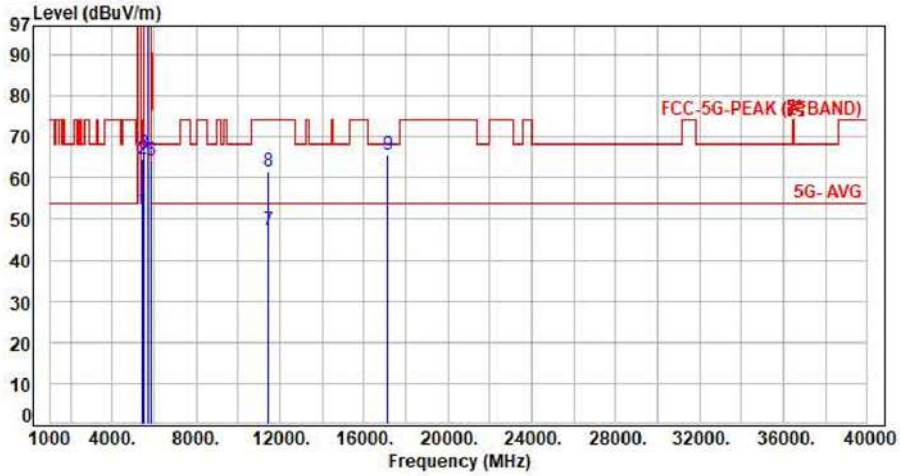
Test Mode : 2TX 11ax20 CH144 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 43.64 | 51.19 | 54.00 | -2.81 | Average | 100 | 302 | P |
| 2 | 5460.00 | 7.55 | 56.37 | 63.92 | 74.00 | -10.08 | Peak | 100 | 302 | P |
| 3 | 5470.00 | 7.58 | 56.78 | 64.36 | 68.20 | -3.84 | Peak | 100 | 302 | P |
| 4 | 5720.00 | 7.43 | 86.18 | 93.61 | 200.00 | -106.39 | Average | 100 | 302 | P |
| 5 | 5720.00 | 7.43 | 99.27 | 106.70 | 200.00 | -93.30 | Peak | 100 | 302 | P |
| 6 | 5850.00 | 7.47 | 56.69 | 64.16 | 68.20 | -4.04 | Peak | 100 | 302 | P |
| 7 | 11440.00 | 18.20 | 28.20 | 46.40 | 54.00 | -7.60 | Average | 100 | 163 | P |
| 8 | 11440.00 | 18.20 | 43.35 | 61.55 | 74.00 | -12.45 | Peak | 100 | 163 | P |
| 9 | 17160.00 | 24.13 | 41.27 | 65.40 | 68.20 | -2.80 | Peak | 100 | 17 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

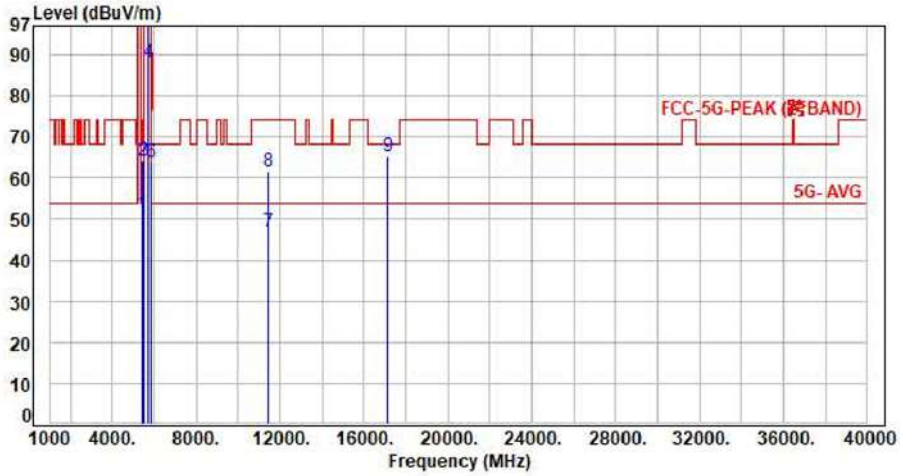
Test Mode : 2TX 11ax20 CH144 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 44.50 | 52.05 | 54.00 | -1.95 | Average | 100 | 162 | P |
| 2 | 5460.00 | 7.55 | 56.93 | 64.48 | 74.00 | -9.52 | Peak | 100 | 162 | P |
| 3 | 5470.00 | 7.58 | 58.26 | 65.84 | 68.20 | -2.36 | Peak | 100 | 162 | P |
| 4 | 5720.00 | 7.43 | 88.93 | 96.36 | 200.00 | -103.64 | Average | 100 | 162 | P |
| 5 | 5720.00 | 7.43 | 102.60 | 110.03 | 200.00 | -89.97 | Peak | 100 | 162 | P |
| 6 | 5850.00 | 7.47 | 56.78 | 64.25 | 68.20 | -3.95 | Peak | 100 | 162 | P |
| 7 | 11440.00 | 18.20 | 29.01 | 47.21 | 54.00 | -6.79 | Average | 100 | 294 | P |
| 8 | 11440.00 | 18.20 | 43.46 | 61.66 | 74.00 | -12.34 | Peak | 100 | 294 | P |
| 9 | 17160.00 | 24.13 | 41.41 | 65.54 | 68.20 | -2.66 | Peak | 100 | 257 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

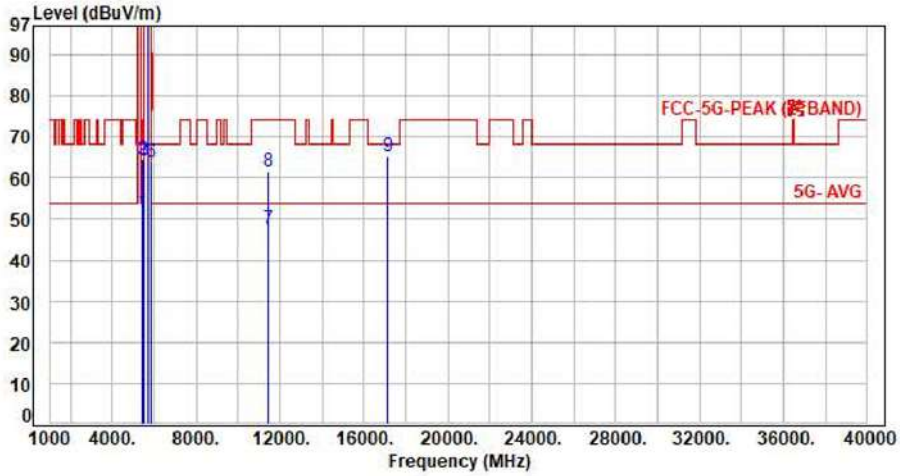
Test Mode : 2TX 11ax40 CH142 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 43.68 | 51.23 | 54.00 | -2.77 | Average | 100 | 298 | P |
| 2 | 5460.00 | 7.55 | 56.76 | 64.31 | 74.00 | -9.69 | Peak | 100 | 298 | P |
| 3 | 5470.00 | 7.58 | 56.52 | 64.10 | 68.20 | -4.10 | Peak | 100 | 298 | P |
| 4 | 5710.00 | 7.43 | 80.68 | 88.11 | 200.00 | -111.89 | Average | 100 | 298 | P |
| 5 | 5710.00 | 7.43 | 93.49 | 100.92 | 200.00 | -99.08 | Peak | 100 | 298 | P |
| 6 | 5850.00 | 7.47 | 56.48 | 63.95 | 68.20 | -4.25 | Peak | 100 | 298 | P |
| 7 | 11420.00 | 18.14 | 28.83 | 46.97 | 54.00 | -7.03 | Average | 100 | 158 | P |
| 8 | 11420.00 | 18.14 | 43.38 | 61.52 | 74.00 | -12.48 | Peak | 100 | 158 | P |
| 9 | 17130.00 | 24.09 | 41.28 | 65.37 | 68.20 | -2.83 | Peak | 100 | 13 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

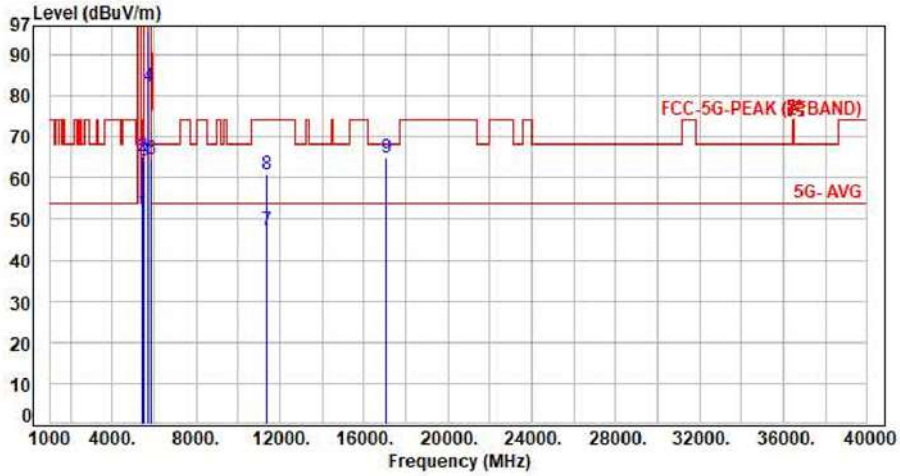
Test Mode : 2TX 11ax40 CH142 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 44.16 | 51.71 | 54.00 | -2.29 | Average | 100 | 160 | P |
| 2 | 5460.00 | 7.55 | 56.97 | 64.52 | 74.00 | -9.48 | Peak | 100 | 160 | P |
| 3 | 5470.00 | 7.58 | 56.47 | 64.05 | 68.20 | -4.15 | Peak | 100 | 160 | P |
| 4 | 5710.00 | 7.43 | 89.97 | 97.40 | 200.00 | -102.60 | Average | 100 | 160 | P |
| 5 | 5710.00 | 7.43 | 102.24 | 109.67 | 200.00 | -90.33 | Peak | 100 | 160 | P |
| 6 | 5850.00 | 7.47 | 56.42 | 63.89 | 68.20 | -4.31 | Peak | 100 | 160 | P |
| 7 | 11420.00 | 18.14 | 29.27 | 47.41 | 54.00 | -6.59 | Average | 100 | 294 | P |
| 8 | 11420.00 | 18.14 | 43.52 | 61.66 | 74.00 | -12.34 | Peak | 100 | 294 | P |
| 9 | 17130.00 | 24.09 | 41.30 | 65.39 | 68.20 | -2.81 | Peak | 100 | 266 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

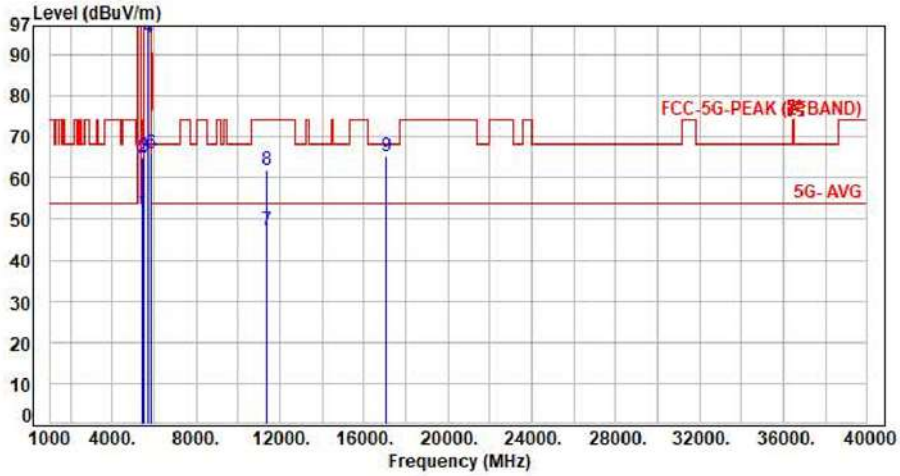
Test Mode : 2TX 11ax80 CH138 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 44.05 | 51.60 | 54.00 | -2.40 | Average | 100 | 298 | P |
| 2 | 5460.00 | 7.55 | 57.72 | 65.27 | 74.00 | -8.73 | Peak | 100 | 298 | P |
| 3 | 5470.00 | 7.58 | 56.48 | 64.06 | 68.20 | -4.14 | Peak | 100 | 298 | P |
| 4 | 5690.00 | 7.44 | 74.81 | 82.25 | 200.00 | -117.75 | Average | 100 | 298 | P |
| 5 | 5690.00 | 7.44 | 88.18 | 95.62 | 200.00 | -104.38 | Peak | 100 | 298 | P |
| 6 | 5850.00 | 7.47 | 57.09 | 64.56 | 68.20 | -3.64 | Peak | 100 | 298 | P |
| 7 | 11380.00 | 18.06 | 29.31 | 47.37 | 54.00 | -6.63 | Average | 100 | 155 | P |
| 8 | 11380.00 | 18.06 | 42.89 | 60.95 | 74.00 | -13.05 | Peak | 100 | 155 | P |
| 9 | 17070.00 | 23.85 | 41.05 | 64.90 | 68.20 | -3.30 | Peak | 100 | 15 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

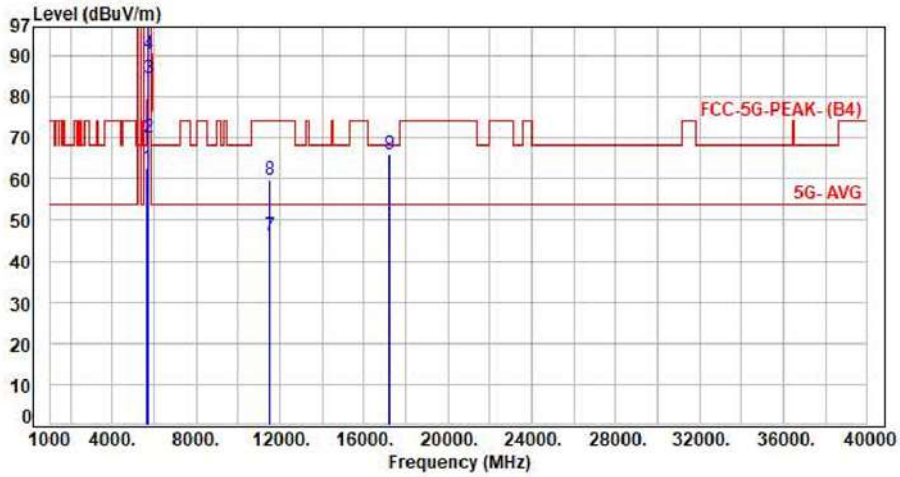
Test Mode : 2TX 11ax80 CH138 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5460.00 | 7.55 | 44.19 | 51.74 | 54.00 | -2.26 | Average | 100 | 156 | P |
| 2 | 5460.00 | 7.55 | 57.26 | 64.81 | 74.00 | -9.19 | Peak | 100 | 156 | P |
| 3 | 5470.00 | 7.58 | 57.56 | 65.14 | 68.20 | -3.06 | Peak | 100 | 156 | P |
| 4 | 5690.00 | 7.44 | 86.69 | 94.13 | 200.00 | -105.87 | Average | 100 | 156 | P |
| 5 | 5690.00 | 7.44 | 99.68 | 107.12 | 200.00 | -92.88 | Peak | 100 | 156 | P |
| 6 | 5850.00 | 7.47 | 58.58 | 66.05 | 68.20 | -2.15 | Peak | 100 | 156 | P |
| 7 | 11380.00 | 18.06 | 29.22 | 47.28 | 54.00 | -6.72 | Average | 100 | 287 | P |
| 8 | 11380.00 | 18.06 | 43.99 | 62.05 | 74.00 | -11.95 | Peak | 100 | 287 | P |
| 9 | 17070.00 | 23.85 | 41.60 | 65.45 | 68.20 | -2.75 | Peak | 100 | 259 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

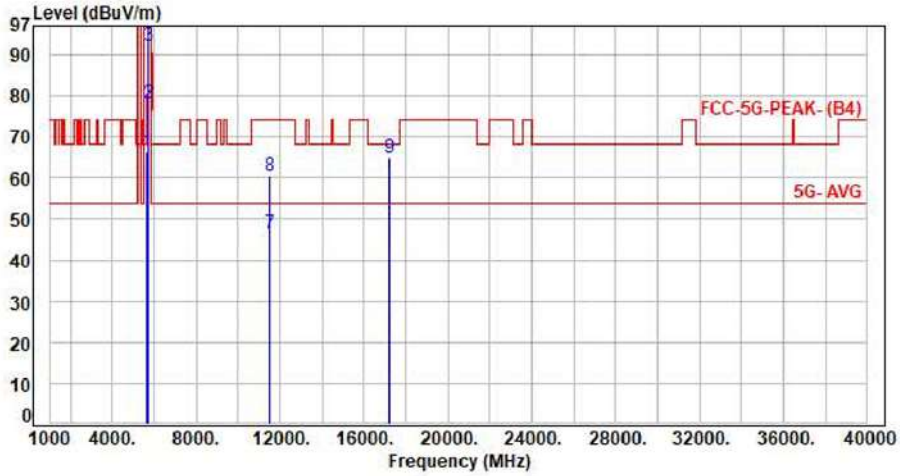
Test Mode : 2TX 11a CH149 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 55.32 | 62.83 | 68.20 | -5.37 | Peak | 100 | 294 | P |
| 2 | 5700.00 | 7.43 | 62.57 | 70.00 | 105.20 | -35.20 | Peak | 100 | 294 | P |
| 3 | 5720.00 | 7.43 | 76.95 | 84.38 | 110.80 | -26.42 | Peak | 100 | 294 | P |
| 4 | 5725.00 | 7.43 | 83.07 | 90.50 | 122.20 | -31.70 | Peak | 100 | 294 | P |
| 5 | 5745.00 | 7.44 | 93.50 | 100.94 | 200.00 | -99.06 | Average | 100 | 294 | P |
| 6 | 5745.00 | 7.44 | 106.71 | 114.15 | 200.00 | -85.85 | Peak | 100 | 294 | P |
| 7 | 11490.00 | 16.52 | 29.68 | 46.20 | 54.00 | -7.80 | Average | 100 | 156 | P |
| 8 | 11490.00 | 16.52 | 43.30 | 59.82 | 74.00 | -14.18 | Peak | 100 | 156 | P |
| 9 | 17235.00 | 22.43 | 43.49 | 65.92 | 68.20 | -2.28 | Peak | 100 | 235 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

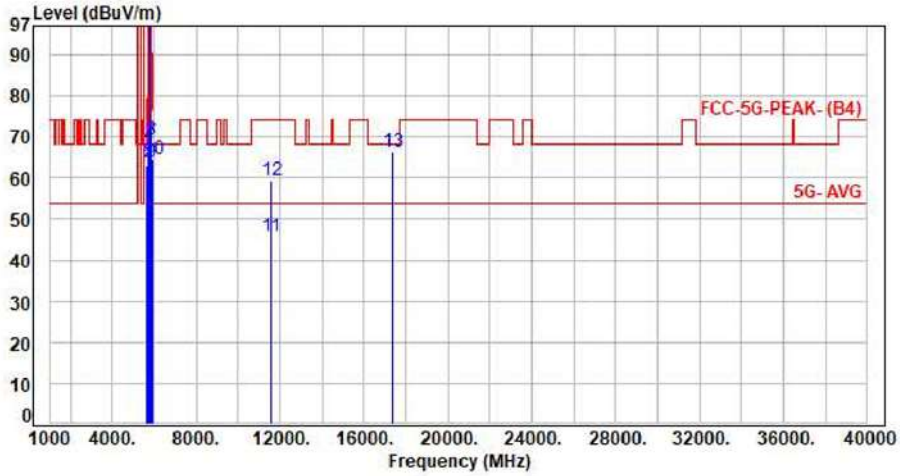
Test Mode : 2TX 11a CH149 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 58.94 | 66.45 | 68.20 | -1.75 | Peak | 113 | 176 | P |
| 2 | 5700.00 | 7.43 | 70.94 | 78.37 | 105.20 | -26.83 | Peak | 113 | 176 | P |
| 3 | 5720.00 | 7.43 | 84.70 | 92.13 | 110.80 | -18.67 | Peak | 113 | 176 | P |
| 4 | 5725.00 | 7.43 | 89.04 | 96.47 | 122.20 | -25.73 | Peak | 113 | 176 | P |
| 5 | 5745.00 | 7.44 | 100.58 | 108.02 | 200.00 | -91.98 | Average | 113 | 176 | P |
| 6 | 5745.00 | 7.44 | 111.69 | 119.13 | 200.00 | -80.87 | Peak | 113 | 176 | P |
| 7 | 11490.00 | 16.52 | 29.91 | 46.43 | 54.00 | -7.57 | Average | 100 | 226 | P |
| 8 | 11490.00 | 16.52 | 43.84 | 60.36 | 74.00 | -13.64 | Peak | 100 | 226 | P |
| 9 | 17235.00 | 22.43 | 42.59 | 65.02 | 68.20 | -3.18 | Peak | 100 | 91 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

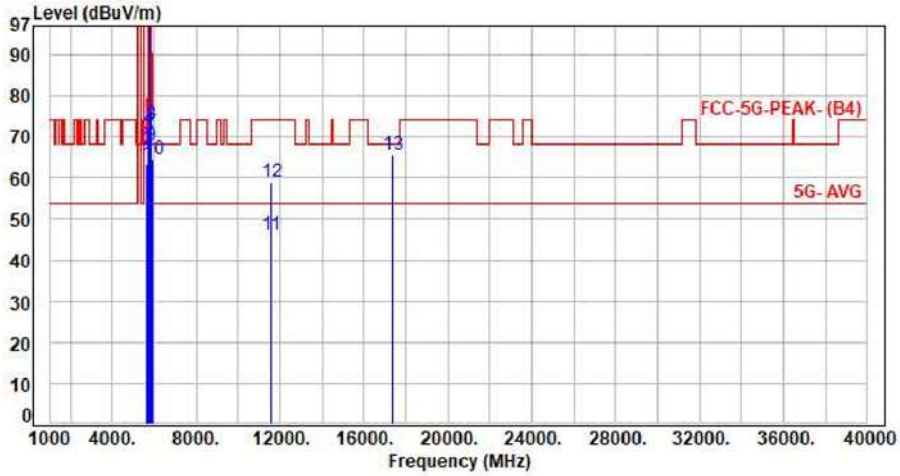
Test Mode : 2TX 11a CH157 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 55.47 | 62.98 | 68.20 | -5.22 | Peak | 100 | 290 | P |
| 2 | 5700.00 | 7.43 | 56.23 | 63.66 | 105.20 | -41.54 | Peak | 100 | 290 | P |
| 3 | 5720.00 | 7.43 | 58.53 | 65.96 | 110.80 | -44.84 | Peak | 100 | 290 | P |
| 4 | 5725.00 | 7.43 | 60.26 | 67.69 | 122.20 | -54.51 | Peak | 100 | 290 | P |
| 5 | 5785.00 | 7.45 | 93.58 | 101.03 | 200.00 | -98.97 | Average | 100 | 290 | P |
| 6 | 5785.00 | 7.45 | 104.70 | 112.15 | 200.00 | -87.85 | Peak | 100 | 290 | P |
| 7 | 5850.00 | 7.47 | 61.17 | 68.64 | 122.20 | -53.56 | Peak | 100 | 290 | P |
| 8 | 5855.00 | 7.49 | 61.83 | 69.32 | 110.80 | -41.48 | Peak | 100 | 290 | P |
| 9 | 5875.00 | 7.57 | 56.17 | 63.74 | 105.20 | -41.46 | Peak | 100 | 290 | P |
| 10 | 5925.00 | 7.73 | 56.93 | 64.66 | 68.20 | -3.54 | Peak | 100 | 290 | P |
| 11 | 11570.00 | 16.76 | 29.10 | 45.86 | 54.00 | -8.14 | Average | 100 | 152 | P |
| 12 | 11570.00 | 16.76 | 42.66 | 59.42 | 74.00 | -14.58 | Peak | 100 | 152 | P |
| 13 | 17355.00 | 23.20 | 43.17 | 66.37 | 68.20 | -1.83 | Peak | 100 | 230 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

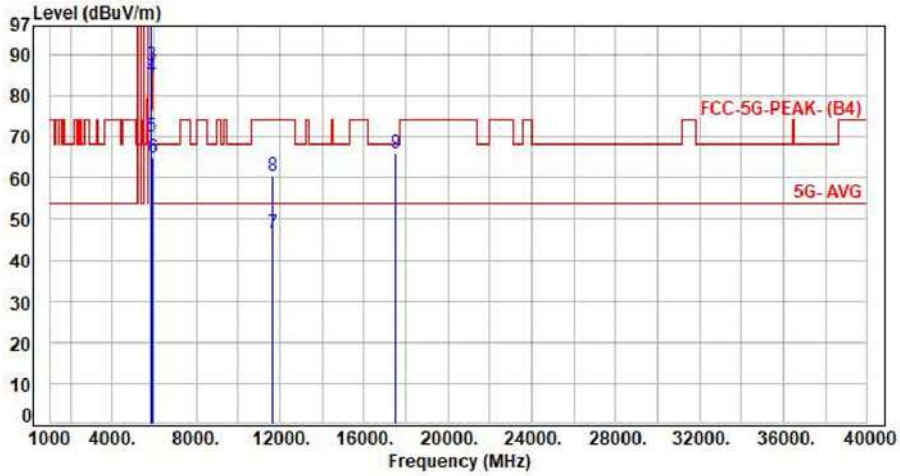
Test Mode : 2TX 11a CH157 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 55.98 | 63.49 | 68.20 | -4.71 | Peak | 109 | 176 | P |
| 2 | 5700.00 | 7.43 | 59.87 | 67.30 | 105.20 | -37.90 | Peak | 109 | 176 | P |
| 3 | 5720.00 | 7.43 | 63.14 | 70.57 | 110.80 | -40.23 | Peak | 109 | 176 | P |
| 4 | 5725.00 | 7.43 | 64.42 | 71.85 | 122.20 | -50.35 | Peak | 109 | 176 | P |
| 5 | 5785.00 | 7.45 | 100.72 | 108.17 | 200.00 | -91.83 | Average | 109 | 176 | P |
| 6 | 5785.00 | 7.45 | 112.92 | 120.37 | 200.00 | -79.63 | Peak | 109 | 176 | P |
| 7 | 5850.00 | 7.47 | 63.80 | 71.27 | 122.20 | -50.93 | Peak | 109 | 176 | P |
| 8 | 5855.00 | 7.49 | 65.55 | 73.04 | 110.80 | -37.76 | Peak | 109 | 176 | P |
| 9 | 5875.00 | 7.57 | 60.44 | 68.01 | 105.20 | -37.19 | Peak | 109 | 176 | P |
| 10 | 5925.00 | 7.73 | 56.77 | 64.50 | 68.20 | -3.70 | Peak | 109 | 176 | P |
| 11 | 11570.00 | 16.76 | 29.35 | 46.11 | 54.00 | -7.89 | Average | 100 | 221 | P |
| 12 | 11570.00 | 16.76 | 42.43 | 59.19 | 74.00 | -14.81 | Peak | 100 | 221 | P |
| 13 | 17355.00 | 23.20 | 42.58 | 65.78 | 68.20 | -2.42 | Peak | 100 | 95 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

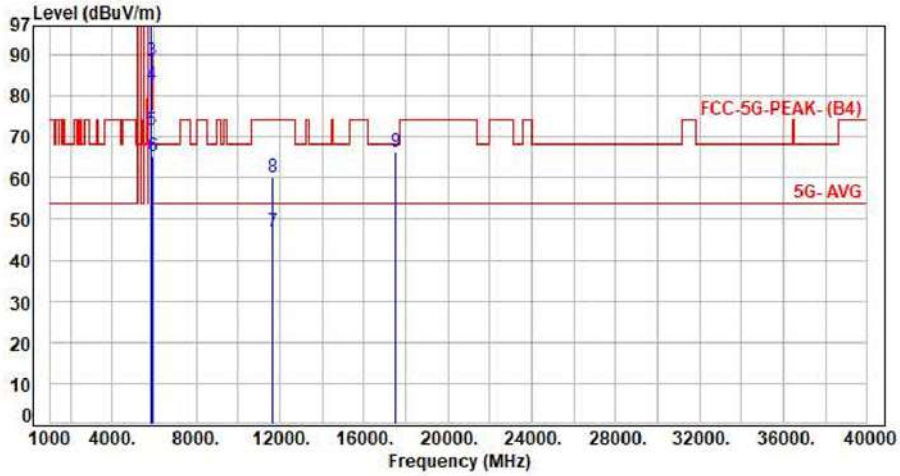
Test Mode : 2TX 11a CH165 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5825.00 | 7.46 | 94.84 | 102.30 | 200.00 | -97.70 | Average | 103 | 292 | P |
| 2 | 5825.00 | 7.46 | 107.17 | 114.63 | 200.00 | -85.37 | Peak | 103 | 292 | P |
| 3 | 5850.00 | 7.47 | 79.78 | 87.25 | 122.20 | -34.95 | Peak | 103 | 292 | P |
| 4 | 5855.00 | 7.49 | 77.06 | 84.55 | 110.80 | -26.25 | Peak | 103 | 292 | P |
| 5 | 5875.00 | 7.57 | 62.41 | 69.98 | 105.20 | -35.22 | Peak | 103 | 292 | P |
| 6 | 5925.00 | 7.73 | 57.23 | 64.96 | 68.20 | -3.24 | Peak | 103 | 292 | P |
| 7 | 11650.00 | 16.91 | 29.41 | 46.32 | 54.00 | -7.68 | Average | 100 | 159 | P |
| 8 | 11650.00 | 16.91 | 43.61 | 60.52 | 74.00 | -13.48 | Peak | 100 | 159 | P |
| 9 | 17475.00 | 23.91 | 42.18 | 66.09 | 68.20 | -2.11 | Peak | 100 | 234 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

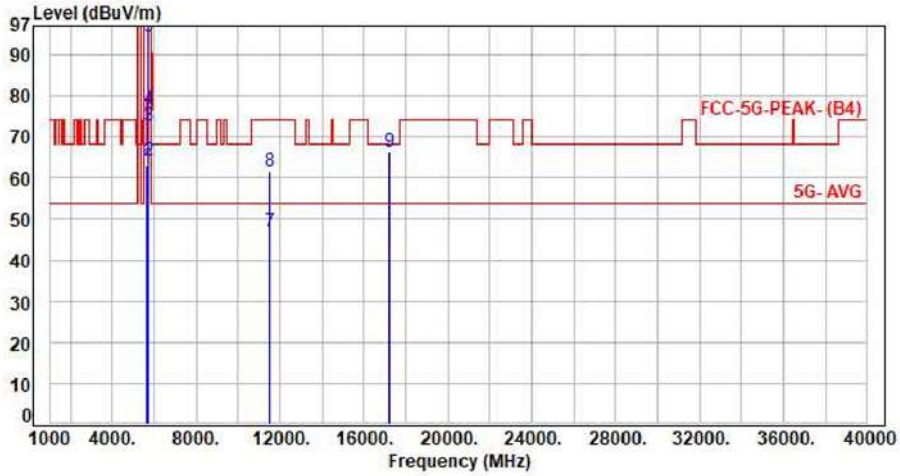
Test Mode : 2TX 11a CH165 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5825.00 | 7.46 | 99.86 | 107.32 | 200.00 | -92.68 | Average | 100 | 172 | P |
| 2 | 5825.00 | 7.46 | 111.81 | 119.27 | 200.00 | -80.73 | Peak | 100 | 172 | P |
| 3 | 5850.00 | 7.47 | 80.95 | 88.42 | 122.20 | -33.78 | Peak | 100 | 172 | P |
| 4 | 5855.00 | 7.49 | 75.16 | 82.65 | 110.80 | -28.15 | Peak | 100 | 172 | P |
| 5 | 5875.00 | 7.57 | 63.83 | 71.40 | 105.20 | -33.80 | Peak | 100 | 172 | P |
| 6 | 5925.00 | 7.73 | 57.54 | 65.27 | 68.20 | -2.93 | Peak | 100 | 172 | P |
| 7 | 11650.00 | 16.91 | 29.83 | 46.74 | 54.00 | -7.26 | Average | 100 | 221 | P |
| 8 | 11650.00 | 16.91 | 43.36 | 60.27 | 74.00 | -13.73 | Peak | 100 | 221 | P |
| 9 | 17475.00 | 23.91 | 42.41 | 66.32 | 68.20 | -1.88 | Peak | 100 | 90 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

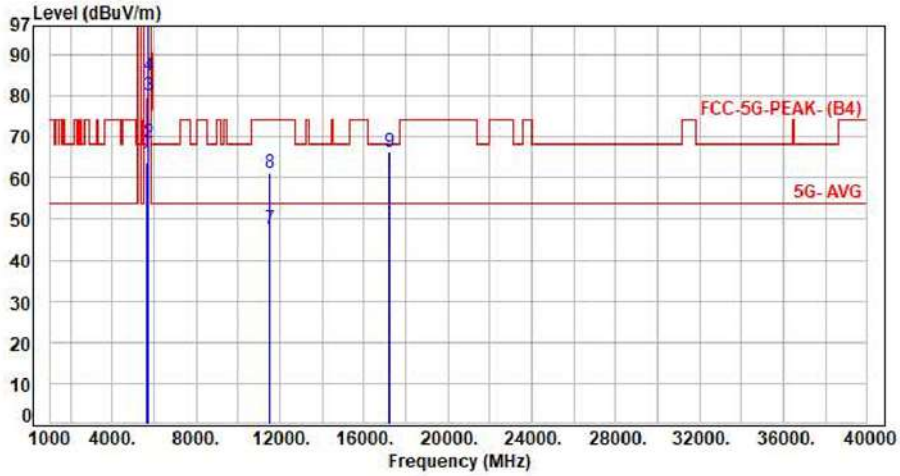
Test Mode : 2TX 11ax20 CH149 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 55.74 | 63.25 | 68.20 | -4.95 | Peak | 100 | 303 | P |
| 2 | 5700.00 | 7.43 | 56.69 | 64.12 | 105.20 | -41.08 | Peak | 100 | 303 | P |
| 3 | 5720.00 | 7.43 | 65.29 | 72.72 | 110.80 | -38.08 | Peak | 100 | 303 | P |
| 4 | 5725.00 | 7.43 | 69.20 | 76.63 | 122.20 | -45.57 | Peak | 100 | 303 | P |
| 5 | 5745.00 | 7.44 | 87.06 | 94.50 | 200.00 | -105.50 | Average | 100 | 303 | P |
| 6 | 5745.00 | 7.44 | 100.26 | 107.70 | 200.00 | -92.30 | Peak | 100 | 303 | P |
| 7 | 11490.00 | 18.33 | 28.58 | 46.91 | 54.00 | -7.09 | Average | 100 | 158 | P |
| 8 | 11490.00 | 18.33 | 43.29 | 61.62 | 74.00 | -12.38 | Peak | 100 | 158 | P |
| 9 | 17235.00 | 24.37 | 41.85 | 66.22 | 68.20 | -1.98 | Peak | 100 | 13 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

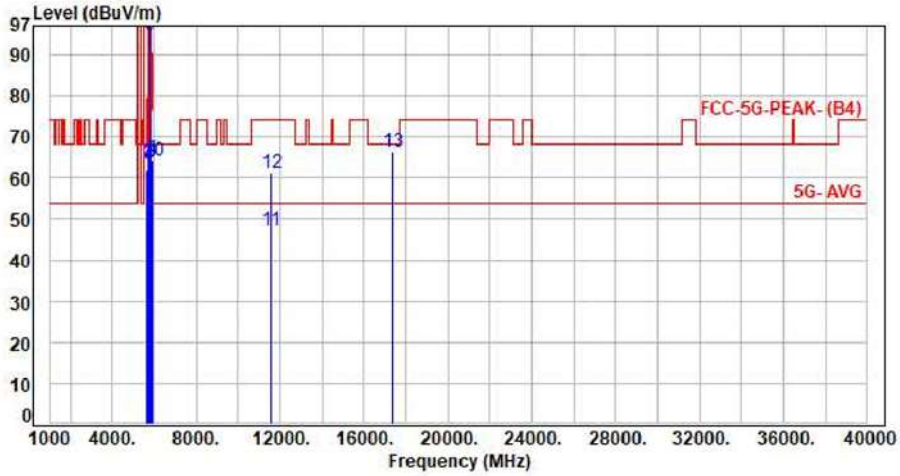
Test Mode : 2TX 11ax20 CH149 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 56.39 | 63.90 | 68.20 | -4.30 | Peak | 100 | 156 | P |
| 2 | 5700.00 | 7.43 | 61.22 | 68.65 | 105.20 | -36.55 | Peak | 100 | 156 | P |
| 3 | 5720.00 | 7.43 | 72.57 | 80.00 | 110.80 | -30.80 | Peak | 100 | 156 | P |
| 4 | 5725.00 | 7.43 | 77.38 | 84.81 | 122.20 | -37.39 | Peak | 100 | 156 | P |
| 5 | 5745.00 | 7.44 | 93.94 | 101.38 | 200.00 | -98.62 | Average | 100 | 156 | P |
| 6 | 5745.00 | 7.44 | 106.38 | 113.82 | 200.00 | -86.18 | Peak | 100 | 156 | P |
| 7 | 11490.00 | 18.33 | 29.14 | 47.47 | 54.00 | -6.53 | Average | 100 | 289 | P |
| 8 | 11490.00 | 18.33 | 42.88 | 61.21 | 74.00 | -12.79 | Peak | 100 | 289 | P |
| 9 | 17235.00 | 24.37 | 42.04 | 66.41 | 68.20 | -1.79 | Peak | 100 | 255 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

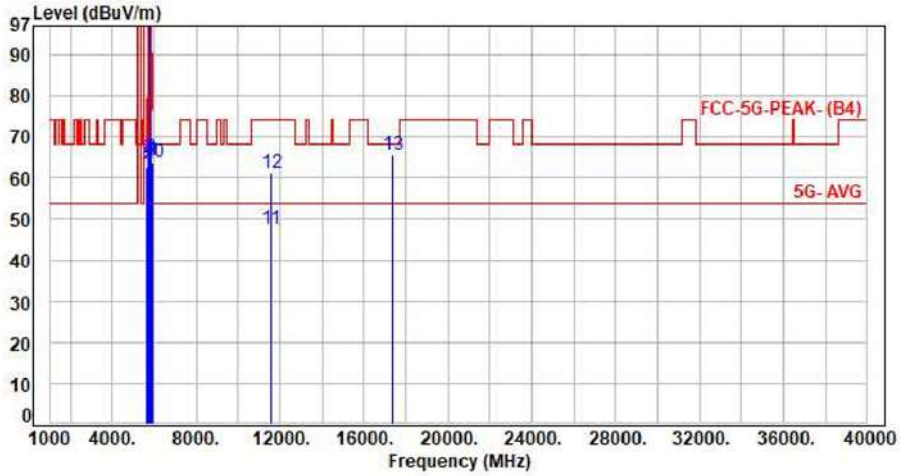
Test Mode : 2TX 11ax20 CH157 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 54.39 | 61.90 | 68.20 | -6.30 | Peak | 100 | 307 | P |
| 2 | 5700.00 | 7.43 | 56.27 | 63.70 | 105.20 | -41.50 | Peak | 100 | 307 | P |
| 3 | 5720.00 | 7.43 | 55.94 | 63.37 | 110.80 | -47.43 | Peak | 100 | 307 | P |
| 4 | 5725.00 | 7.43 | 55.88 | 63.31 | 122.20 | -58.89 | Peak | 100 | 307 | P |
| 5 | 5785.00 | 7.45 | 87.51 | 94.96 | 200.00 | -105.04 | Average | 100 | 307 | P |
| 6 | 5785.00 | 7.45 | 100.02 | 107.47 | 200.00 | -92.53 | Peak | 100 | 307 | P |
| 7 | 5850.00 | 7.47 | 57.22 | 64.69 | 122.20 | -57.51 | Peak | 100 | 307 | P |
| 8 | 5855.00 | 7.49 | 56.39 | 63.88 | 110.80 | -46.92 | Peak | 100 | 307 | P |
| 9 | 5875.00 | 7.57 | 56.27 | 63.84 | 105.20 | -41.36 | Peak | 100 | 307 | P |
| 10 | 5925.00 | 7.73 | 56.33 | 64.06 | 68.20 | -4.14 | Peak | 100 | 307 | P |
| 11 | 11570.00 | 18.58 | 28.73 | 47.31 | 54.00 | -6.69 | Average | 100 | 154 | P |
| 12 | 11570.00 | 18.58 | 42.69 | 61.27 | 74.00 | -12.73 | Peak | 100 | 154 | P |
| 13 | 17355.00 | 25.24 | 41.22 | 66.46 | 68.20 | -1.74 | Peak | 100 | 13 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

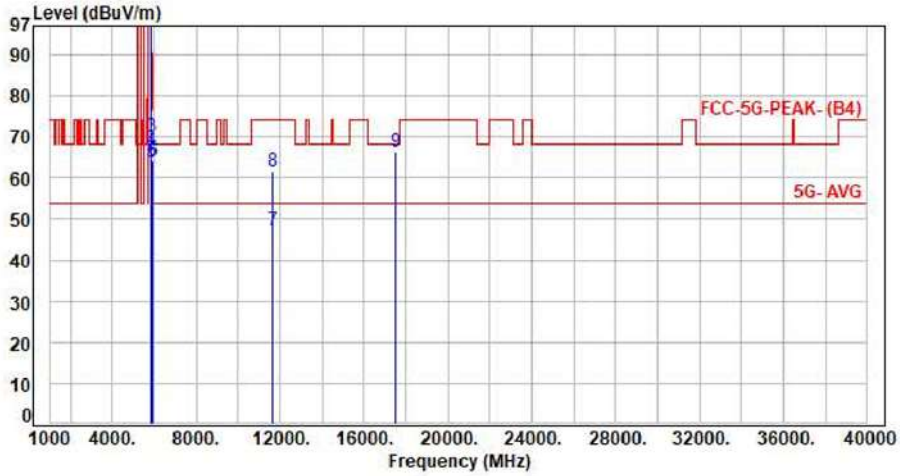
Test Mode : 2TX 11ax20 CH157 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 55.34 | 62.85 | 68.20 | -5.35 | Peak | 100 | 162 | P |
| 2 | 5700.00 | 7.43 | 56.18 | 63.61 | 105.20 | -41.59 | Peak | 100 | 162 | P |
| 3 | 5720.00 | 7.43 | 57.34 | 64.77 | 110.80 | -46.03 | Peak | 100 | 162 | P |
| 4 | 5725.00 | 7.43 | 56.87 | 64.30 | 122.20 | -57.90 | Peak | 100 | 162 | P |
| 5 | 5785.00 | 7.45 | 94.27 | 101.72 | 200.00 | -98.28 | Average | 100 | 162 | P |
| 6 | 5785.00 | 7.45 | 105.94 | 113.39 | 200.00 | -86.61 | Peak | 100 | 162 | P |
| 7 | 5850.00 | 7.47 | 56.38 | 63.85 | 122.20 | -58.35 | Peak | 100 | 162 | P |
| 8 | 5855.00 | 7.49 | 56.64 | 64.13 | 110.80 | -46.67 | Peak | 100 | 162 | P |
| 9 | 5875.00 | 7.57 | 57.38 | 64.95 | 105.20 | -40.25 | Peak | 100 | 162 | P |
| 10 | 5925.00 | 7.73 | 56.18 | 63.91 | 68.20 | -4.29 | Peak | 100 | 162 | P |
| 11 | 11570.00 | 18.58 | 29.00 | 47.58 | 54.00 | -6.42 | Average | 100 | 306 | P |
| 12 | 11570.00 | 18.58 | 42.49 | 61.07 | 74.00 | -12.93 | Peak | 100 | 306 | P |
| 13 | 17355.00 | 25.24 | 40.28 | 65.52 | 68.20 | -2.68 | Peak | 100 | 274 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

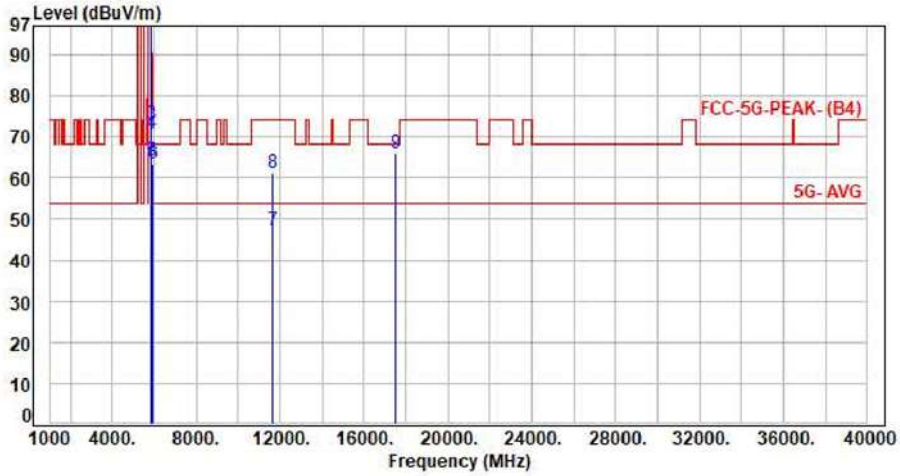
Test Mode : 2TX 11ax20 CH165 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5825.00 | 7.46 | 88.63 | 96.09 | 200.00 | -103.91 | Average | 100 | 297 | P |
| 2 | 5825.00 | 7.46 | 101.45 | 108.91 | 200.00 | -91.09 | Peak | 100 | 297 | P |
| 3 | 5850.00 | 7.47 | 62.58 | 70.05 | 122.20 | -52.15 | Peak | 100 | 297 | P |
| 4 | 5855.00 | 7.49 | 59.11 | 66.60 | 110.80 | -44.20 | Peak | 100 | 297 | P |
| 5 | 5875.00 | 7.57 | 56.39 | 63.96 | 105.20 | -41.24 | Peak | 100 | 297 | P |
| 6 | 5925.00 | 7.73 | 56.29 | 64.02 | 68.20 | -4.18 | Peak | 100 | 297 | P |
| 7 | 11650.00 | 18.67 | 28.49 | 47.16 | 54.00 | -6.84 | Average | 100 | 144 | P |
| 8 | 11650.00 | 18.67 | 43.10 | 61.77 | 74.00 | -12.23 | Peak | 100 | 144 | P |
| 9 | 17475.00 | 25.92 | 40.44 | 66.36 | 68.20 | -1.84 | Peak | 100 | 15 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

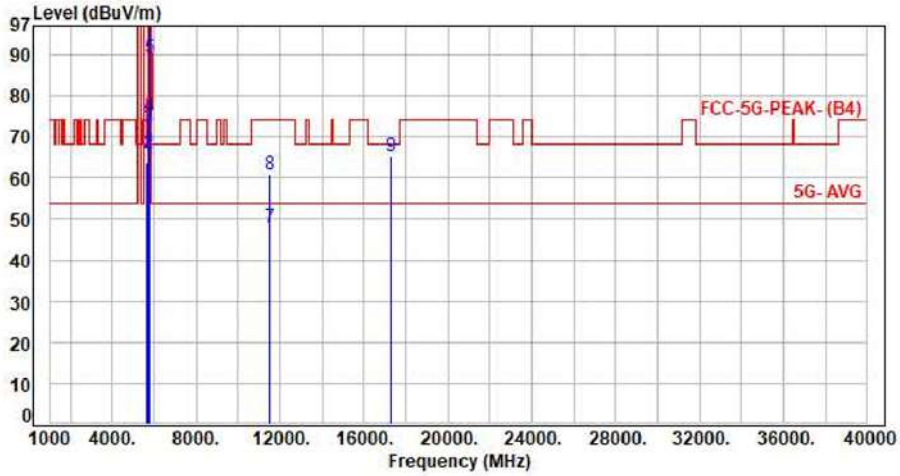
Test Mode : 2TX 11ax20 CH165 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5825.00 | 7.46 | 94.58 | 102.04 | 200.00 | -97.96 | Average | 100 | 162 | P |
| 2 | 5825.00 | 7.46 | 106.93 | 114.39 | 200.00 | -85.61 | Peak | 100 | 162 | P |
| 3 | 5850.00 | 7.47 | 65.54 | 73.01 | 122.20 | -49.19 | Peak | 100 | 162 | P |
| 4 | 5855.00 | 7.49 | 63.48 | 70.97 | 110.80 | -39.83 | Peak | 100 | 162 | P |
| 5 | 5875.00 | 7.57 | 56.62 | 64.19 | 105.20 | -41.01 | Peak | 100 | 162 | P |
| 6 | 5925.00 | 7.73 | 55.86 | 63.59 | 68.20 | -4.61 | Peak | 100 | 162 | P |
| 7 | 11650.00 | 18.67 | 28.57 | 47.24 | 54.00 | -6.76 | Average | 100 | 295 | P |
| 8 | 11650.00 | 18.67 | 42.39 | 61.06 | 74.00 | -12.94 | Peak | 100 | 295 | P |
| 9 | 17475.00 | 25.92 | 40.28 | 66.20 | 68.20 | -2.00 | Peak | 100 | 257 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

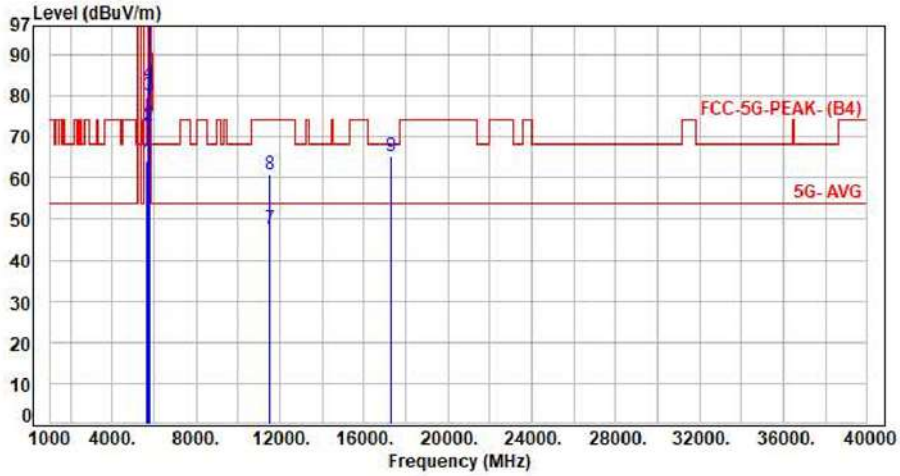
Test Mode : 2TX 11ax40 CH151 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 56.25 | 63.76 | 68.20 | -4.44 | Peak | 100 | 299 | P |
| 2 | 5700.00 | 7.43 | 58.76 | 66.19 | 105.20 | -39.01 | Peak | 100 | 299 | P |
| 3 | 5720.00 | 7.43 | 64.86 | 72.29 | 110.80 | -38.51 | Peak | 100 | 299 | P |
| 4 | 5725.00 | 7.43 | 67.53 | 74.96 | 122.20 | -47.24 | Peak | 100 | 299 | P |
| 5 | 5755.00 | 7.44 | 81.69 | 89.13 | 200.00 | -110.87 | Average | 100 | 299 | P |
| 6 | 5755.00 | 7.44 | 95.04 | 102.48 | 200.00 | -97.52 | Peak | 100 | 299 | P |
| 7 | 11510.00 | 18.39 | 29.38 | 47.77 | 54.00 | -6.23 | Average | 100 | 157 | P |
| 8 | 11510.00 | 18.39 | 42.46 | 60.85 | 74.00 | -13.15 | Peak | 100 | 157 | P |
| 9 | 17265.00 | 24.63 | 40.74 | 65.37 | 68.20 | -2.83 | Peak | 100 | 13 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

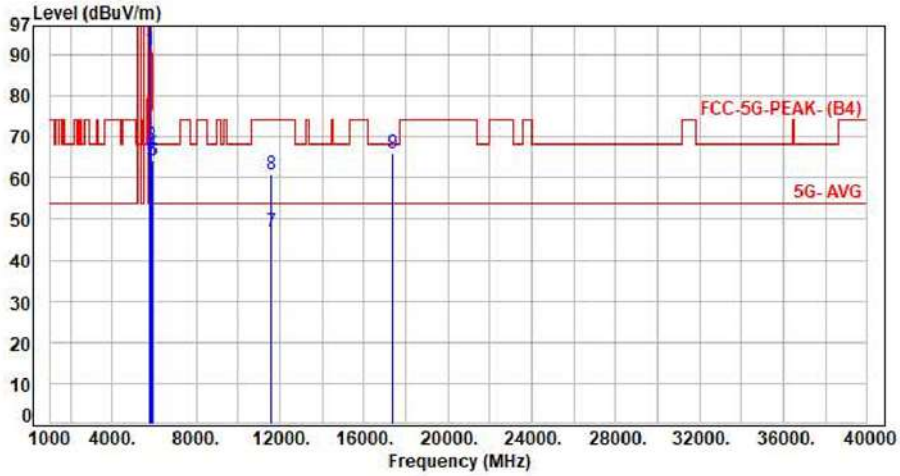
Test Mode : 2TX 11ax40 CH151 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 56.64 | 64.15 | 68.20 | -4.05 | Peak | 100 | 164 | P |
| 2 | 5700.00 | 7.43 | 65.16 | 72.59 | 105.20 | -32.61 | Peak | 100 | 164 | P |
| 3 | 5720.00 | 7.43 | 72.50 | 79.93 | 110.80 | -30.87 | Peak | 100 | 164 | P |
| 4 | 5725.00 | 7.43 | 75.39 | 82.82 | 122.20 | -39.38 | Peak | 100 | 164 | P |
| 5 | 5755.00 | 7.44 | 89.26 | 96.70 | 200.00 | -103.30 | Average | 100 | 164 | P |
| 6 | 5755.00 | 7.44 | 102.84 | 110.28 | 200.00 | -89.72 | Peak | 100 | 164 | P |
| 7 | 11510.00 | 18.39 | 29.17 | 47.56 | 54.00 | -6.44 | Average | 100 | 294 | P |
| 8 | 11510.00 | 18.39 | 42.59 | 60.98 | 74.00 | -13.02 | Peak | 100 | 294 | P |
| 9 | 17265.00 | 24.63 | 40.55 | 65.18 | 68.20 | -3.02 | Peak | 100 | 271 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

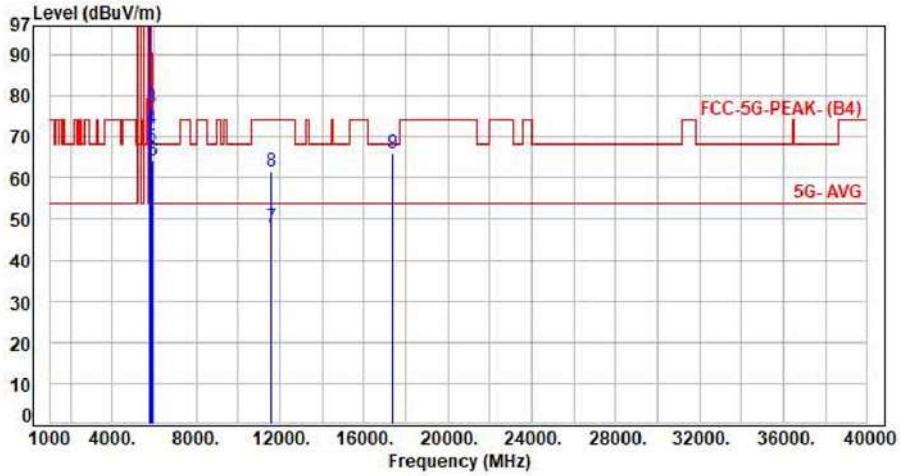
Test Mode : 2TX 11ax40 CH159 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5795.00 | 7.45 | 83.73 | 91.18 | 200.00 | -108.82 | Average | 100 | 297 | P |
| 2 | 5795.00 | 7.45 | 96.47 | 103.92 | 200.00 | -96.08 | Peak | 100 | 297 | P |
| 3 | 5850.00 | 7.47 | 60.36 | 67.83 | 122.20 | -54.37 | Peak | 100 | 297 | P |
| 4 | 5855.00 | 7.49 | 58.47 | 65.96 | 110.80 | -44.84 | Peak | 100 | 297 | P |
| 5 | 5875.00 | 7.57 | 56.58 | 64.15 | 105.20 | -41.05 | Peak | 100 | 297 | P |
| 6 | 5925.00 | 7.73 | 56.33 | 64.06 | 68.20 | -4.14 | Peak | 100 | 297 | P |
| 7 | 11590.00 | 18.62 | 28.29 | 46.91 | 54.00 | -7.09 | Average | 100 | 156 | P |
| 8 | 11590.00 | 18.62 | 42.12 | 60.74 | 74.00 | -13.26 | Peak | 100 | 156 | P |
| 9 | 17385.00 | 25.34 | 40.69 | 66.03 | 68.20 | -2.17 | Peak | 100 | 11 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

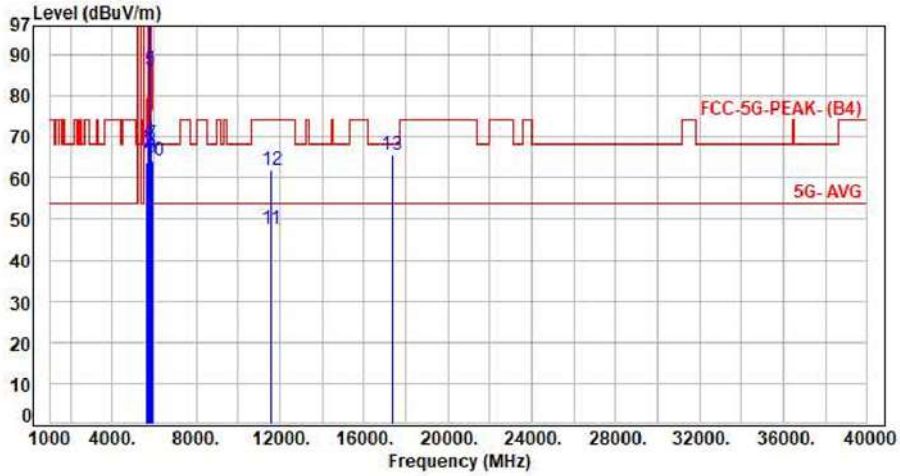
Test Mode : 2TX 11ax40 CH159 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5795.00 | 7.45 | 90.10 | 97.55 | 200.00 | -102.45 | Average | 100 | 161 | P |
| 2 | 5795.00 | 7.45 | 102.94 | 110.39 | 200.00 | -89.61 | Peak | 100 | 161 | P |
| 3 | 5850.00 | 7.47 | 69.59 | 77.06 | 122.20 | -45.14 | Peak | 100 | 161 | P |
| 4 | 5855.00 | 7.49 | 64.27 | 71.76 | 110.80 | -39.04 | Peak | 100 | 161 | P |
| 5 | 5875.00 | 7.57 | 59.84 | 67.41 | 105.20 | -37.79 | Peak | 100 | 161 | P |
| 6 | 5925.00 | 7.73 | 56.38 | 64.11 | 68.20 | -4.09 | Peak | 100 | 161 | P |
| 7 | 11590.00 | 18.62 | 29.28 | 47.90 | 54.00 | -6.10 | Average | 100 | 300 | P |
| 8 | 11590.00 | 18.62 | 42.94 | 61.56 | 74.00 | -12.44 | Peak | 100 | 300 | P |
| 9 | 17385.00 | 25.34 | 40.68 | 66.02 | 68.20 | -2.18 | Peak | 100 | 259 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

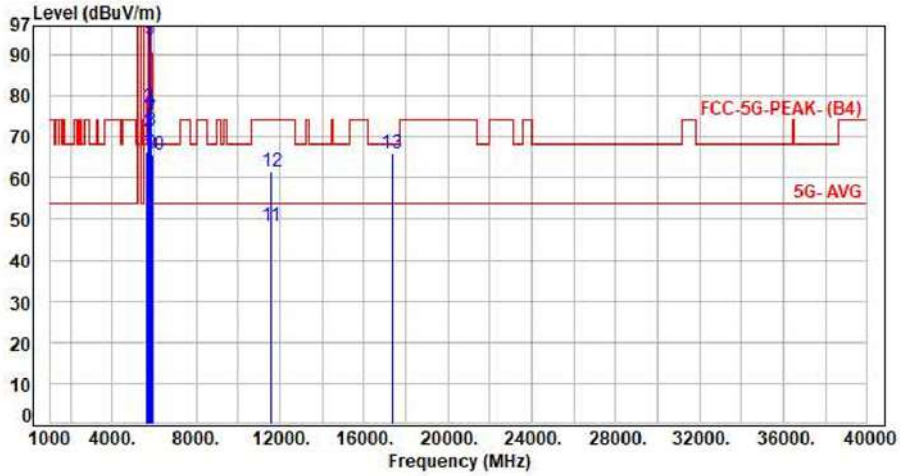
Test Mode : 2TX 11ax80 CH155 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Vertical




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 56.12 | 63.63 | 68.20 | -4.57 | Peak | 100 | 297 | P |
| 2 | 5700.00 | 7.43 | 58.81 | 66.24 | 105.20 | -38.96 | Peak | 100 | 297 | P |
| 3 | 5720.00 | 7.43 | 59.03 | 66.46 | 110.80 | -44.34 | Peak | 100 | 297 | P |
| 4 | 5725.00 | 7.43 | 61.71 | 69.14 | 122.20 | -53.06 | Peak | 100 | 297 | P |
| 5 | 5775.00 | 7.45 | 78.90 | 86.35 | 200.00 | -113.65 | Average | 100 | 297 | P |
| 6 | 5775.00 | 7.45 | 90.68 | 98.13 | 200.00 | -101.87 | Peak | 100 | 297 | P |
| 7 | 5850.00 | 7.47 | 60.71 | 68.18 | 122.20 | -54.02 | Peak | 100 | 297 | P |
| 8 | 5855.00 | 7.49 | 59.24 | 66.73 | 110.80 | -44.07 | Peak | 100 | 297 | P |
| 9 | 5875.00 | 7.57 | 57.24 | 64.81 | 105.20 | -40.39 | Peak | 100 | 297 | P |
| 10 | 5925.00 | 7.73 | 56.53 | 64.26 | 68.20 | -3.94 | Peak | 100 | 297 | P |
| 11 | 11550.00 | 18.54 | 28.89 | 47.43 | 54.00 | -6.57 | Average | 100 | 153 | P |
| 12 | 11550.00 | 18.54 | 43.28 | 61.82 | 74.00 | -12.18 | Peak | 100 | 153 | P |
| 13 | 17325.00 | 25.10 | 40.61 | 65.71 | 68.20 | -2.49 | Peak | 100 | 11 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : 2TX 11ax80 CH155 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal




| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg) | P/F |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 7.51 | 58.76 | 66.27 | 68.20 | -1.93 | Peak | 100 | 159 | P |
| 2 | 5700.00 | 7.43 | 63.64 | 71.07 | 105.20 | -34.13 | Peak | 100 | 159 | P |
| 3 | 5720.00 | 7.43 | 69.74 | 77.17 | 110.80 | -33.63 | Peak | 100 | 159 | P |
| 4 | 5725.00 | 7.43 | 68.87 | 76.30 | 122.20 | -45.90 | Peak | 100 | 159 | P |
| 5 | 5775.00 | 7.45 | 86.15 | 93.60 | 200.00 | -106.40 | Average | 100 | 159 | P |
| 6 | 5775.00 | 7.45 | 98.22 | 105.67 | 200.00 | -94.33 | Peak | 100 | 159 | P |
| 7 | 5850.00 | 7.47 | 67.00 | 74.47 | 122.20 | -47.73 | Peak | 100 | 159 | P |
| 8 | 5855.00 | 7.49 | 64.23 | 71.72 | 110.80 | -39.08 | Peak | 100 | 159 | P |
| 9 | 5875.00 | 7.57 | 58.49 | 66.06 | 105.20 | -39.14 | Peak | 100 | 159 | P |
| 10 | 5925.00 | 7.73 | 57.77 | 65.50 | 68.20 | -2.70 | Peak | 100 | 159 | P |
| 11 | 11550.00 | 18.54 | 29.70 | 48.24 | 54.00 | -5.76 | Average | 100 | 294 | P |
| 12 | 11550.00 | 18.54 | 43.17 | 61.71 | 74.00 | -12.29 | Peak | 100 | 294 | P |
| 13 | 17325.00 | 25.10 | 40.94 | 66.04 | 68.20 | -2.16 | Peak | 100 | 267 | P |

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

## 6.7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|---|---|---|---|
| 0.09000 – 0.11000 | 16.42000 – 16.42300 | 399.9 – 410.0 | 4.500 – 5.150 |
| 0.49500 – 0.505** | 16.69475 – 16.69525 | 608.0 – 614.0 | 5.350 – 5.460 |
| 2.17350 – 2.19050 | 16.80425 – 16.80475 | 960.0 – 1240.0 | 7.250 – 7.750 |
| 4.12500 – 4.12800 | 25.50000 – 25.67000 | 1300.0 – 1427.0 | 8.025 – 8.500 |
| 4.17725 – 4.17775 | 37.50000 – 38.25000 | 1435.0 – 1626.5 | 9.000 – 9.200 |
| 4.20725 – 4.20775 | 73.00000 – 74.60000 | 1645.5 – 1646.5 | 9.300 – 9.500 |
| 6.21500 – 6.21800 | 74.80000 – 75.20000 | 1660.0 – 1710.0 | 10.600 – 12.700 |
| 6.26775 – 6.26825 | 108.00000 – 121.94000 | 1718.8 – 1722.2 | 13.250 – 13.400 |
| 6.31175 – 6.31225 | 123.00000 – 138.00000 | 2200.0 – 2300.0 | 14.470 – 14.500 |
| 8.29100 – 8.29400 | 149.90000 – 150.05000 | 2310.0 – 2390.0 | 15.350 – 16.200 |
| 8.36200 – 8.36600 | 156.52475 – 156.52525 | 2483.5 – 2500.0 | 17.700 – 21.400 |
| 8.37625 – 8.38675 | 156.70000 – 156.90000 | 2655.0 – 2900.0 | 22.010 – 23.120 |
| 8.41425 – 8.41475 | 162.01250 – 167.17000 | 3260.0 – 3267.0 | 23.600 – 24.000 |
| 12.29000 – 12.29300 | 167.72000 – 173.20000 | 3332.0 – 3339.0 | 31.200 – 31.800 |
| 12.51975 – 12.52025 | 240.00000 – 285.00000 | 3345.8 – 3358.0 | 36.430 – 36.500 |
| 12.57675 – 12.57725 | 322.00000 – 335.40000 | 3600.0 – 4400.0 | Above 38.6 |
| 13.36000 – 13.41000 | | | |

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

# 7. On Time, Duty Cycle and Measurement methods

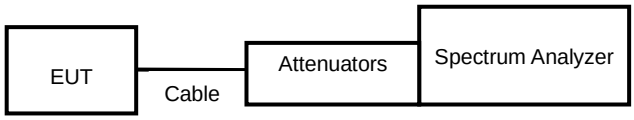
## 7.1. Test Limit

None; for reporting purposes only.

## 7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

## 7.3. Test Setup Layout




## 7.4. Test Result and Data

| Modulation Type | On Time (ms) | Period Time (ms) | Duty Cycle (%) |
|---|---|---|---|
| 802.11a,6M | 1.40 | 1.50 | 93.78% |
| 802.11ac VHT20 | 1.32 | 1.42 | 93.36% |
| 802.11ac VHT40 | 0.66 | 0.76 | 87.41% |
| 802.11ac VHT80 | 0.33 | 0.43 | 77.28% |
| 802.11ax HE20 | 1.03 | 1.12 | 91.85% |
| 802.11ax HE40 | 0.55 | 0.64 | 85.17% |
| 802.11ax HE80 | 0.29 | 0.39 | 75.00% |

## 7.5. Measurement Methods

| | |
|---|---|
| 26 dB and 6dB Emission BW | KDB 789033 D02 v02r01, Section C |
| 99% Occupied BW | KDB 789033 D02 v02r01, Section D |
| Conducted Output Power | KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G) |
| Power Spectral Density | KDB 789033 D02 v02r01, Section F |
| Unwanted emissions in restricted bands | KDB 789033 D02 v02r01, Sections G and H |
| Unwanted emissions in non-restricted bands | KDB 789033 D02 v02r01, Sections G and H |

Modulation Type: 802.11a (6Mbps)


Modulation Type: 802.11ac VHT80 (29.3Mbps)


Modulation Type: 802.11ac VHT20 (6.5Mbps)


Modulation Type: 802.11ax HE20 (7.3Mbps)


Modulation Type: 802.11ac VHT40 (13.5Mbps)


Modulation Type: 802.11ax HE40 (14.6Mbps)

Modulation Type: 802.11ax HE80 (30.6Mbps)

# 8. 6dB Bandwidth & 99% Occupied Bandwidth

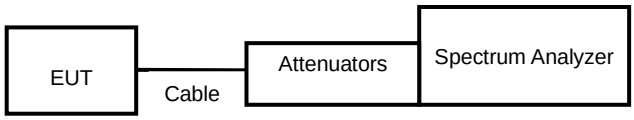
## 8.1. Test Limit

FCC §15.407
The minimum 6 dB bandwidth shall be at least 500 kHz.

## 8.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to100KHz, the VBW >= 3 x RBW, peak detector and max hold.

## 8.3. Test Setup Layout



## 8.4. Test Result and Data

In the 5.8G Band

| Modulation Type | Channel | Frequency (MHz) | 6dB Bandwidth(MHz) | | Minimum Limit (MHz) |
|---|---|---|---|---|---|
| | | | ANT A | ANT B | |
| 11a | 149 | 5745 | 16.06 | 16.04 | 0.50 |
| 11a | 157 | 5785 | 16.04 | 16.04 | 0.50 |
| 11a | 165 | 5825 | 15.95 | 16.29 | 0.50 |
| 11ac VHT20 | 149 | 5745 | 16.90 | 17.56 | 0.50 |
| 11ac VHT20 | 157 | 5785 | 16.93 | 17.57 | 0.50 |
| 11ac VHT20 | 165 | 5825 | 16.82 | 17.54 | 0.50 |
| 11ac VHT40 | 151 | 5755 | 36.02 | 36.32 | 0.50 |
| 11ac VHT40 | 159 | 5795 | 35.18 | 35.42 | 0.50 |
| 11ac VHT80 | 155 | 5775 | 75.38 | 75.57 | 0.50 |
| 11ax HE20 | 149 | 5745 | 18.87 | 18.84 | 0.50 |
| 11ax HE20 | 157 | 5785 | 18.78 | 18.38 | 0.50 |
| 11ax HE20 | 165 | 5825 | 18.30 | 18.88 | 0.50 |
| 11ax HE40 | 151 | 5755 | 37.68 | 37.53 | 0.50 |
| 11ax HE40 | 159 | 5795 | 37.55 | 37.35 | 0.50 |
| 11ax HE80 | 155 | 5775 | 77.31 | 77.64 | 0.50 |

In the 5.8G Band

| Modulation Type | Channel | Frequency (MHz) | 99% Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 149 | 5745 | 19.88 | 22.34 |
| 11a | 157 | 5785 | 19.89 | 22.44 |
| 11a | 165 | 5825 | 18.33 | 19.18 |
| 11ac VHT20 | 149 | 5745 | 20.84 | 22.72 |
| 11ac VHT20 | 157 | 5785 | 20.22 | 22.91 |
| 11ac VHT20 | 165 | 5825 | 20.52 | 22.81 |
| 11ac VHT40 | 151 | 5755 | 37.21 | 38.50 |
| 11ac VHT40 | 159 | 5795 | 37.16 | 38.63 |
| 11ac VHT80 | 155 | 5775 | 75.63 | 75.73 |
| 11ax HE20 | 149 | 5745 | 18.98 | 18.98 |
| 11ax HE20 | 157 | 5785 | 18.95 | 18.99 |
| 11ax HE20 | 165 | 5825 | 18.95 | 19.00 |
| 11ax HE40 | 151 | 5755 | 37.93 | 38.02 |
| 11ax HE40 | 159 | 5795 | 37.86 | 38.00 |
| 11ax HE80 | 155 | 5775 | 77.21 | 77.14 |

| UNII Emission Bandwidth Result (Extends across 5725MHz band) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation Type | Data Rate / MCS | Frequency (MHz) | 6dB Bandwidth(MHz) | | 99% Bandwidth(MHz) | |
| | | | ANT A | ANT B | ANT A | ANT B |
| 11a | 6 Mbps | 5720 | 3.18 | 3.18 | 10.74 | 11.34 |
| 11ac VHT20 | NSS1-MCS0 | 5720 | 3.78 | 3.78 | 11.54 | 12.86 |
| 11ac VHT40 | NSS1-MCS0 | 5710 | 3.18 | 3.20 | 40.09 | 41.49 |
| 11ac VHT80 | NSS1-MCS0 | 5690 | 2.91 | 3.15 | 69.08 | 79.25 |
| 11ax HE20 | NSS1-MCS0 | 5720 | 4.26 | 4.44 | 5.64 | 7.45 |
| 11ax HE40 | NSS1-MCS0 | 5710 | 3.98 | 3.88 | 21.37 | 24.30 |
| 11ax HE80 | NSS1-MCS0 | 5690 | 4.02 | 3.93 | 42.81 | 50.51 |

6dB Bandwidth-ANT A

Modulation Type: 802.11a (6Mbps)

CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)

CH149

CH157

CH157

CH165

CH165

6dB Bandwidth-ANT A

Modulation Type: 802.11ac, VHT40 (13.5Mbps)

CH151


Modulation Type: 802.11ac, VHT80 (29.3Mbps)

CH155


CH159

6dB Bandwidth-ANT A

Modulation Type: 802.11ax HE20 CH149

Modulation Type: 802.11ax HE40 CH151

Modulation Type: 802.11ax HE20 CH157

Modulation Type: 802.11ax HE40 CH159

Modulation Type: 802.11ax HE20 CH165

Modulation Type: 802.11ax HE80 CH155

6dB Bandwidth-ANT B

Modulation Type: 802.11a (6Mbps)

CH149


Modulation Type: 802.11ac, VHT20 (6.5Mbps)

CH149


CH157


CH157


CH165


CH165

6dB Bandwidth-ANT B

Modulation Type: 802.11ac, VHT40 (13.5Mbps)

CH151


Modulation Type: 802.11ac, VHT80 (29.3Mbps)

CH155


CH159

6dB Bandwidth-ANT B

Modulation Type: 802.11ax HE20 CH149

Modulation Type: 802.11ax HE40 CH151

Modulation Type: 802.11ax HE20 CH157

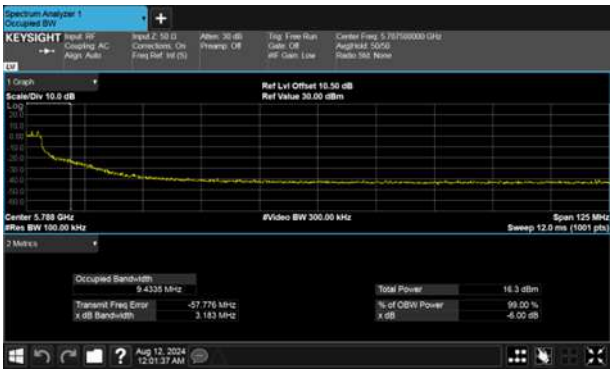
Modulation Type: 802.11ax HE40 CH159

Modulation Type: 802.11ax HE20 CH165

Modulation Type: 802.11ax HE80 CH155

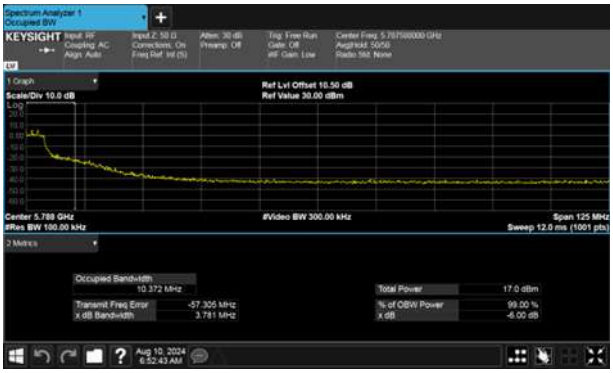
6dB Bandwidth-ANT A
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11a (6Mbps)
CH144

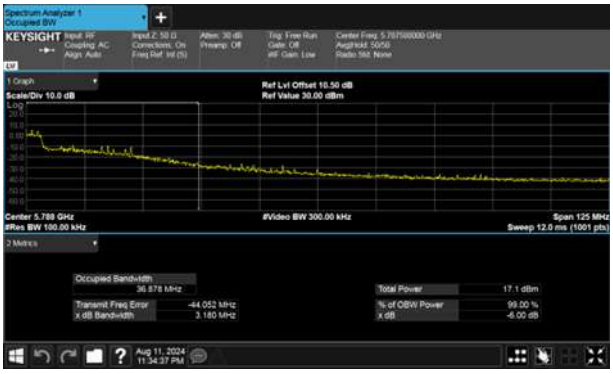


Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH138

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH142



6dB Bandwidth-ANT A
Extends across 5725MHz Band, Straddle Channel

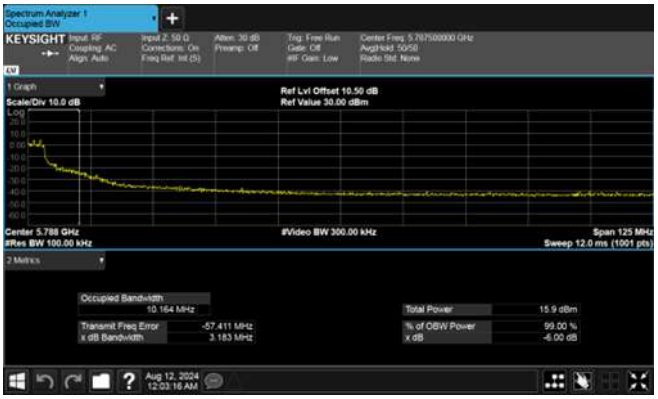
Modulation Type: 802.11ax HE20 (7.3Mbps)
CH144


Modulation Type: 802.11ax HE40 (14.6Mbps)
CH142


Modulation Type: 802.11ax HE80 (30.6Mbps)
CH138

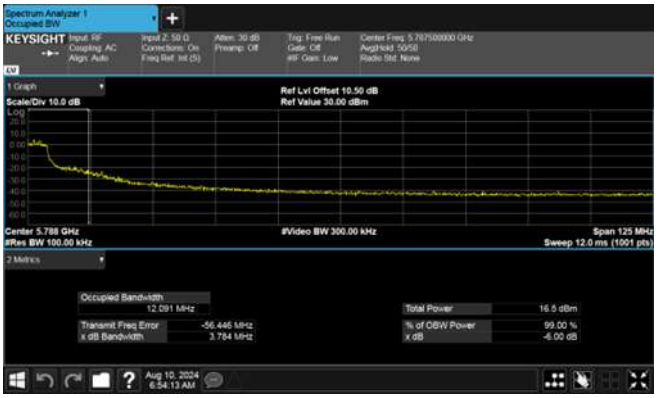
6dB Bandwidth-ANT B
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11a (6Mbps)
CH144

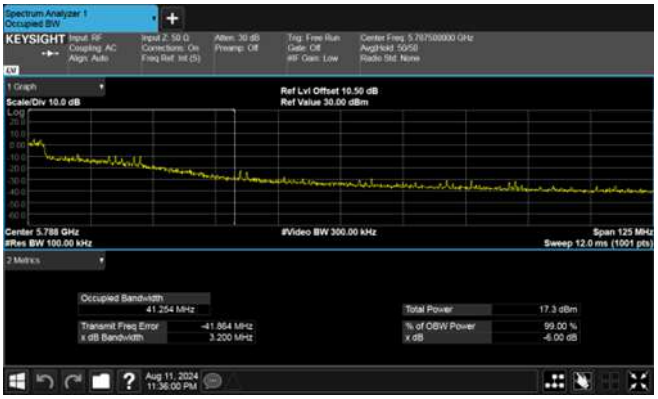



Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH138


Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH144

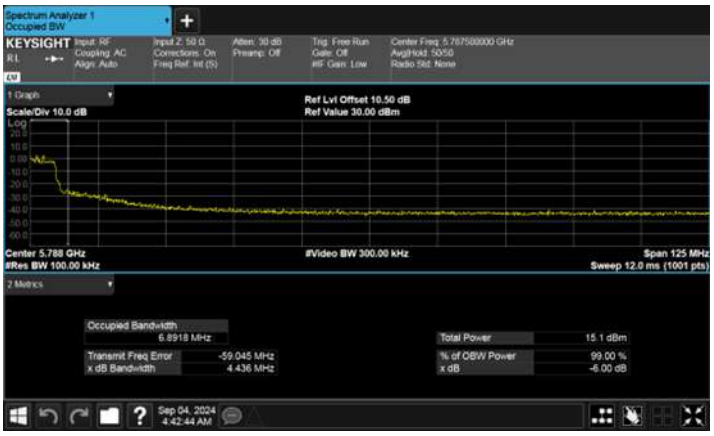



Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH142

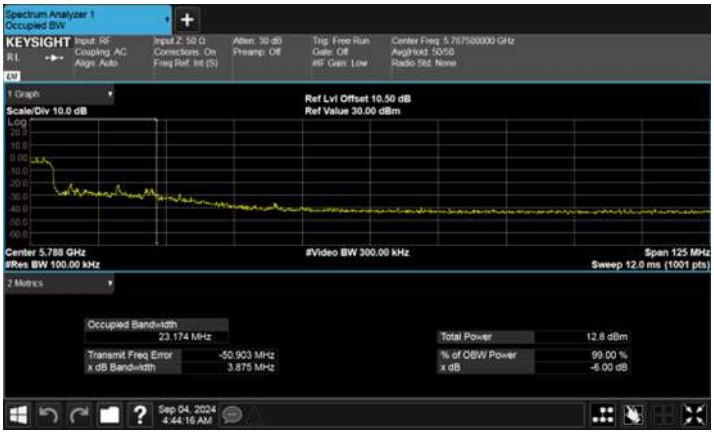


6dB Bandwidth-ANT B
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH144




Modulation Type: 802.11ax HE40 (14.6Mbps)
CH142




Modulation Type: 802.11ax HE80 (30.6Mbps)
CH138

99% Occupied Bandwidth-ANT A

Modulation Type: 802.11a (6Mbps)

CH149


Modulation Type: 802.11ac, VHT20 (6.5Mbps)

CH149


CH157


CH157


CH165


CH165

99% Occupied Bandwidth-ANT A

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151


Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155


CH159

99% Occupied Bandwidth-ANT A

Modulation Type: 802.11ax HE20 CH149


Modulation Type: 802.11ax HE40 CH151


Modulation Type: 802.11ax HE20 CH157


Modulation Type: 802.11ax HE40 CH159


Modulation Type: 802.11ax HE20 CH165


Modulation Type: 802.11ax HE80 CH155

99% Occupied Bandwidth -ANT B

Modulation Type: 802.11a (6Mbps)

CH149


Modulation Type: 802.11ac, VHT20 (6.5Mbps)

CH149


CH157


CH157


CH165


CH165

99% Occupied Bandwidth-ANT B

Modulation Type: 802.11ac, VHT40 (13.5Mbps)

CH151


Modulation Type: 802.11ac, VHT80 (29.3Mbps)

CH155


CH159

99% Occupied Bandwidth-ANT B

Modulation Type: 802.11ax HE20 CH149


Modulation Type: 802.11ax HE40 CH151


Modulation Type: 802.11ax HE20 CH157


Modulation Type: 802.11ax HE40 CH159


Modulation Type: 802.11ax HE20 CH165


Modulation Type: 802.11ax HE80 CH155

99% Occupied Bandwidth-ANT A
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11a (6Mbps)
CH144


Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH138


Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH144


Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH142

99% Occupied Bandwidth-ANT A
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH144


Modulation Type: 802.11ax HE40 (14.6Mbps)
CH142


Modulation Type: 802.11ax HE80 (30.6Mbps)
CH138

99% Occupied Bandwidth-ANT B
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11a (6Mbps)
CH144


Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH138


Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH144


Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH142

99% Occupied Bandwidth-ANT B
Extends across 5725MHz Band, Straddle Channel

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH144


Modulation Type: 802.11ax HE40 (14.6Mbps)
CH142


Modulation Type: 802.11ax HE80 (30.6Mbps)
CH138

# 9. 26dB Bandwidth & 99% Occupied Bandwidth

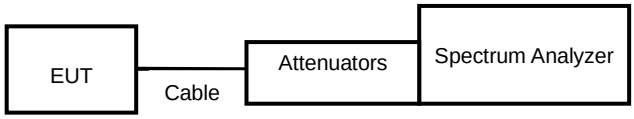
## 9.1. Test Limit

None; for reporting purposes only.

## 9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW >= 3 x RBW, peak detector and max hold.

## 9.3. Test Setup Layout



## 9.4. Test Result and Data

In the 5.2G Band

| Mode | Channel | Frequency (MHz) | 26dB Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 36 | 5180 | 22.89 | 21.23 |
| 11a | 40 | 5200 | 26.04 | 21.72 |
| 11a | 48 | 5240 | 28.74 | 23.93 |
| 11ac VHT20 | 36 | 5180 | 26.83 | 21.78 |
| 11ac VHT20 | 40 | 5200 | 28.97 | 30 |
| 11ac VHT20 | 48 | 5240 | 29.99 | 25 |
| 11ac VHT40 | 38 | 5190 | 48.29 | 40.7 |
| 11ac VHT40 | 46 | 5230 | 57.27 | 45.88 |
| 11ac VHT80 | 42 | 5210 | 81.7 | 81.21 |
| 11ax HE20 | 36 | 5180 | 21.64 | 21.28 |
| 11ax HE20 | 40 | 5200 | 25.02 | 21.59 |
| 11ax HE20 | 48 | 5240 | 21.63 | 21.1 |
| 11ax HE40 | 38 | 5190 | 40.86 | 40.65 |
| 11ax HE40 | 46 | 5230 | 55.09 | 50.39 |
| 11ax HE80 | 42 | 5210 | 81.48 | 81.66 |

In the 5.3G Band

| Mode | Channel | Frequency (MHz) | 26dB Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 52 | 5260 | 29.56 | 23.63 |
| 11a | 60 | 5300 | 25.83 | 24.45 |
| 11a | 64 | 5320 | 21.48 | 21.44 |
| 11ac VHT20 | 52 | 5260 | 28.75 | 24.64 |
| 11ac VHT20 | 60 | 5300 | 29.74 | 27.89 |
| 11ac VHT20 | 64 | 5320 | 26.37 | 22.66 |
| 11ac VHT40 | 54 | 5270 | 55.26 | 54.32 |
| 11ac VHT40 | 62 | 5310 | 40.93 | 40.34 |
| 11ac VHT80 | 58 | 5290 | 81.63 | 81.21 |
| 11ax HE20 | 52 | 5260 | 23.95 | 22.71 |
| 11ax HE20 | 60 | 5300 | 21.58 | 21.59 |
| 11ax HE20 | 64 | 5320 | 21.56 | 21.18 |
| 11ax HE40 | 54 | 5270 | 43.49 | 44.92 |
| 11ax HE40 | 62 | 5310 | 40.9 | 40.87 |
| 11ax HE80 | 58 | 5290 | 81.98 | 81.71 |

In the 5.5G Band

| Mode | Channel | Frequency (MHz) | 26dB Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 100 | 5500 | 21.43 | 21.40 |
| 11a | 120 | 5600 | 24.06 | 26.70 |
| 11a | 140 | 5700 | 21.51 | 21.35 |
| 11ac VHT20 | 100 | 5500 | 21.76 | 21.61 |
| 11ac VHT20 | 120 | 5600 | 29.58 | 29.24 |
| 11ac VHT20 | 140 | 5700 | 21.92 | 21.72 |
| 11ac VHT40 | 102 | 5510 | 40.81 | 40.59 |
| 11ac VHT40 | 118 | 5590 | 60.00 | 60.00 |
| 11ac VHT40 | 134 | 5670 | 51.05 | 46.10 |
| 11ac VHT80 | 106 | 5530 | 81.79 | 81.49 |
| 11ac VHT80 | 122 | 5610 | 81.71 | 86.74 |
| 11ax HE20 | 100 | 5500 | 21.57 | 21.49 |
| 11ax HE20 | 120 | 5600 | 21.51 | 22.91 |
| 11ax HE20 | 140 | 5700 | 21.44 | 21.48 |
| 11ax HE40 | 102 | 5510 | 40.86 | 40.92 |
| 11ax HE40 | 118 | 5590 | 47.73 | 47.10 |
| 11ax HE40 | 134 | 5670 | 40.94 | 40.83 |
| 11ax HE80 | 106 | 5530 | 81.77 | 81.39 |
| 11ax HE80 | 122 | 5610 | 81.61 | 81.50 |

In the 5.2G Band

| Modulation Type | Channel | Frequency (MHz) | 99% Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 36 | 5180 | 16.99 | 16.70 |
| 11a | 40 | 5200 | 17.31 | 16.75 |
| 11a | 48 | 5240 | 17.42 | 16.86 |
| 11ac VHT20 | 36 | 5180 | 18.20 | 17.85 |
| 11ac VHT20 | 40 | 5200 | 18.21 | 18.72 |
| 11ac VHT20 | 48 | 5240 | 18.47 | 17.93 |
| 11ac VHT40 | 38 | 5190 | 36.60 | 36.45 |
| 11ac VHT40 | 46 | 5230 | 36.71 | 36.51 |
| 11ac VHT80 | 42 | 5210 | 75.60 | 75.53 |
| 11ax HE20 | 36 | 5180 | 18.97 | 18.92 |
| 11ax HE20 | 40 | 5200 | 19.02 | 18.96 |
| 11ax HE20 | 48 | 5240 | 18.99 | 18.98 |
| 11ax HE40 | 38 | 5190 | 37.86 | 37.79 |
| 11ax HE40 | 46 | 5230 | 37.89 | 37.89 |
| 11ax HE80 | 42 | 5210 | 77.19 | 77.11 |

In the 5.3G Band

| Modulation Type | Channel | Frequency (MHz) | 99% Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 52 | 5260 | 17.43 | 16.86 |
| 11a | 60 | 5300 | 17.19 | 16.85 |
| 11a | 64 | 5320 | 17.01 | 16.73 |
| 11ac VHT20 | 52 | 5260 | 18.24 | 17.92 |
| 11ac VHT20 | 60 | 5300 | 18.25 | 18.01 |
| 11ac VHT20 | 64 | 5320 | 18.11 | 17.91 |
| 11ac VHT40 | 54 | 5270 | 36.75 | 36.67 |
| 11ac VHT40 | 62 | 5310 | 36.53 | 36.47 |
| 11ac VHT80 | 58 | 5290 | 75.58 | 75.56 |
| 11ax HE20 | 52 | 5260 | 18.96 | 18.96 |
| 11ax HE20 | 60 | 5300 | 18.99 | 18.96 |
| 11ax HE20 | 64 | 5320 | 18.94 | 18.91 |
| 11ax HE40 | 54 | 5270 | 37.84 | 37.85 |
| 11ax HE40 | 62 | 5310 | 37.92 | 37.80 |
| 11ax HE80 | 58 | 5290 | 77.15 | 77.28 |

In the 5.5G Band

| Modulation Type | Channel | Frequency (MHz) | 99% Bandwidth(MHz) | |
|---|---|---|---|---|
| | | | ANT A | ANT B |
| 11a | 100 | 5500 | 16.95 | 16.70 |
| 11a | 120 | 5600 | 17.13 | 17.03 |
| 11a | 140 | 5700 | 16.95 | 16.70 |
| 11ac VHT20 | 100 | 5500 | 18.04 | 17.83 |
| 11ac VHT20 | 120 | 5600 | 18.26 | 18.23 |
| 11ac VHT20 | 140 | 5700 | 18.02 | 17.85 |
| 11ac VHT40 | 102 | 5510 | 36.54 | 36.46 |
| 11ac VHT40 | 118 | 5590 | 38.09 | 38.94 |
| 11ac VHT40 | 134 | 5670 | 36.62 | 36.54 |
| 11ac VHT80 | 106 | 5530 | 75.51 | 75.47 |
| 11ac VHT80 | 122 | 5610 | 75.54 | 75.51 |
| 11ax HE20 | 100 | 5500 | 18.94 | 18.92 |
| 11ax HE20 | 120 | 5600 | 18.96 | 18.98 |
| 11ax HE20 | 140 | 5700 | 18.94 | 18.92 |
| 11ax HE40 | 102 | 5510 | 37.80 | 37.79 |
| 11ax HE40 | 118 | 5590 | 37.96 | 37.92 |
| 11ax HE40 | 134 | 5670 | 37.84 | 37.81 |
| 11ax HE80 | 106 | 5530 | 77.10 | 77.06 |
| 11ax HE80 | 122 | 5610 | 77.16 | 77.15 |

| UNII Emission Bandwidth Result (Within 5470-5725MHz band) | | | | | | |
|---|---|---|---|---|---|---|
| Modulation Type | Data Rate / MCS | Frequency (MHz) | 26dB Bandwidth(MHz) | | 99% Bandwidth(MHz) | |
| | | | ANT A | ANT B | ANT A | ANT B |
| 11a | 6 Mbps | 5720 | 18.24 | 16.36 | 13.89 | 13.64 |
| 11ac VHT20 | NSS1-MCS0 | 5720 | 20.44 | 17.02 | 14.51 | 14.40 |
| 11ac VHT40 | NSS1-MCS0 | 5710 | 61.99 | 60.51 | 44.98 | 43.19 |
| 11ac VHT80 | NSS1-MCS0 | 5690 | 82.39 | 84.72 | 72.56 | 72.50 |
| 11ax HE20 | NSS1-MCS0 | 5720 | 15.75 | 15.91 | 14.48 | 14.58 |
| 11ax HE40 | NSS1-MCS0 | 5710 | 36.32 | 35.66 | 33.93 | 33.86 |
| 11ax HE80 | NSS1-MCS0 | 5690 | 75.95 | 75.73 | 73.30 | 73.42 |

26dB Bandwidth Band 1-ANT A

Modulation Type: 802.11a (6Mbps)

CH36

802.11ac VHT20 (6.5Mbps)

CH36

CH40

CH40

CH48

CH48

26dB Bandwidth Band 1-ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38


Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42


CH46

26dB Bandwidth Band 1-ANT A

Modulation Type: 802.11ax HE20 CH36

Modulation Type: 802.11ax HE40 CH38

Modulation Type: 802.11ax HE20 CH40

Modulation Type: 802.11ax HE40 CH46

Modulation Type: 802.11ax HE20 CH48

Modulation Type: 802.11ax HE80 CH42

26dB Bandwidth Band 2-ANT A
Modulation Type: 802.11a (6Mbps)
CH52

802.11ac VHT20 (6.5Mbps)
CH52

CH60

CH60

CH64

CH64

26dB Bandwidth Band 2-ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54


Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58


CH62

26dB Bandwidth Band 2-ANT A

Modulation Type: 802.11ax HE20 CH52


Modulation Type: 802.11ax HE40 CH54


Modulation Type: 802.11ax HE20 CH60


Modulation Type: 802.11ax HE40 CH62


Modulation Type: 802.11ax HE20 CH64


Modulation Type: 802.11ax HE80 CH58

26dB Bandwidth Band 3-ANT A
Modulation Type: 802.11a (6Mbps)
CH100

802.11ac VHT20 (6.5Mbps)
CH100

CH120

CH120

CH140

CH140

26dB Bandwidth Band 3-ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106

CH118

CH122

CH134

26dB Bandwidth Band 3-ANT A

Modulation Type: 802.11ax HE20 CH100

Modulation Type: 802.11ax HE40 CH102

Modulation Type: 802.11ax HE20 CH120

Modulation Type: 802.11ax HE40 CH118

Modulation Type: 802.11ax HE20 CH140

Modulation Type: 802.11ax HE40 CH134

26dB Bandwidth Band 3-ANT A
Modulation Type: 802.11ax HE80 CH106


Modulation Type: 802.11ax HE80 CH122

26dB Bandwidth Band 1-ANT B

Modulation Type: 802.11a (6Mbps)

CH36

802.11ac VHT20 (6.5Mbps)

CH36

CH40

CH40

CH48

CH48

26dB Bandwidth Band 1-ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38


Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42


CH46

26dB Bandwidth Band 1-ANT B

Modulation Type: 802.11ax HE20 CH36


Modulation Type: 802.11ax HE40 CH38


Modulation Type: 802.11ax HE20 CH40


Modulation Type: 802.11ax HE40 CH46


Modulation Type: 802.11ax HE20 CH48


Modulation Type: 802.11ax HE80 CH42

26dB Bandwidth Band 2-ANT B
Modulation Type: 802.11a (6Mbps)
CH52

802.11ac VHT20 (6.5Mbps)
CH52

CH60

CH60

CH64

CH64