

## Channel 100

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17978.500       | 46.19                       | -25.50          | 46.66                 | 25.03                   | 54.00          | 7.81        | V                  |
| 17995.000       | 46.19                       | -25.50          | 46.66                 | 25.03                   | 54.00          | 7.81        | H                  |
| 11398.900       | 41.30                       | -32.42          | 38.79                 | 34.93                   | 54.00          | 12.70       | H                  |
| 11400.500       | 41.03                       | -32.42          | 38.79                 | 34.66                   | 54.00          | 12.97       | H                  |
| 5459.600        | 42.96                       | -27.18          | 34.17                 | 35.97                   | 54.00          | 11.04       | H                  |
| 5459.600        | 42.96                       | -27.18          | 34.17                 | 35.97                   | 54.00          | 11.04       | H                  |

## Channel 120

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17997.800       | 46.26                       | -25.50          | 46.66                 | 25.10                   | 54.00          | 7.74        | V                  |
| 17998.300       | 46.26                       | -25.50          | 46.66                 | 25.10                   | 54.00          | 7.74        | V                  |
| 11400.000       | 41.34                       | -32.42          | 38.79                 | 34.97                   | 54.00          | 12.66       | H                  |
| 11403.900       | 41.27                       | -32.42          | 38.79                 | 34.90                   | 54.00          | 12.73       | H                  |
| 14496.000       | 39.16                       | -28.59          | 42.46                 | 25.29                   | 54.00          | 14.84       | V                  |
| 14481.600       | 39.12                       | -28.59          | 42.46                 | 25.25                   | 54.00          | 14.88       | V                  |

## Channel 140

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17979.100       | 46.40                       | -25.50          | 46.66                 | 25.24                   | 54.00          | 7.60        | V                  |
| 17988.500       | 46.37                       | -25.50          | 46.66                 | 25.21                   | 54.00          | 7.63        | V                  |
| 11400.000       | 42.08                       | -32.42          | 38.79                 | 35.71                   | 54.00          | 11.92       | H                  |
| 11398.900       | 41.40                       | -32.42          | 38.79                 | 35.03                   | 54.00          | 12.60       | H                  |
| 14476.100       | 39.28                       | -28.59          | 42.46                 | 25.41                   | 54.00          | 14.72       | V                  |
| 14484.400       | 39.28                       | -28.59          | 42.46                 | 25.41                   | 54.00          | 14.72       | V                  |

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## Channel 36

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17986.200       | 45.94                       | -25.50          | 46.66                 | 24.78                   | 54.00          | 8.06        | V                  |
| 17987.900       | 45.94                       | -25.50          | 46.66                 | 24.78                   | 54.00          | 8.06        | H                  |
| 14482.200       | 39.13                       | -28.59          | 42.46                 | 25.26                   | 54.00          | 14.87       | V                  |
| 14494.900       | 39.12                       | -28.59          | 42.46                 | 25.25                   | 54.00          | 14.88       | H                  |
| 5149.500        | 50.30                       | -27.61          | 33.67                 | 44.24                   | 54.00          | 3.70        | H                  |
| 5150.000        | 50.16                       | -27.61          | 33.67                 | 44.10                   | 54.00          | 3.84        | H                  |

## Channel 40

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17980.200       | 46.08                       | -25.50          | 46.66                 | 24.92                   | 54.00          | 7.92        | V                  |
| 17998.300       | 46.08                       | -25.50          | 46.66                 | 24.92                   | 54.00          | 7.92        | H                  |
| 8320.000        | 40.20                       | -34.97          | 37.56                 | 37.60                   | 54.00          | 13.80       | H                  |
| 14499.200       | 39.14                       | -28.59          | 42.46                 | 25.27                   | 54.00          | 14.86       | V                  |
| 14492.100       | 39.00                       | -28.59          | 42.46                 | 25.13                   | 54.00          | 15.00       | H                  |
| 8319.500        | 38.19                       | -34.97          | 37.56                 | 35.59                   | 54.00          | 15.81       | H                  |

## Channel 48

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17992.300       | 46.12                       | -25.50          | 46.66                 | 24.96                   | 54.00          | 7.88        | V                  |
| 17993.400       | 46.10                       | -25.50          | 46.66                 | 24.94                   | 54.00          | 7.90        | V                  |
| 14481.100       | 39.37                       | -28.59          | 42.46                 | 25.50                   | 54.00          | 14.63       | V                  |
| 14474.500       | 39.10                       | -28.59          | 42.46                 | 25.23                   | 54.00          | 14.90       | H                  |
| 8383.800        | 38.14                       | -34.50          | 37.68                 | 34.96                   | 54.00          | 15.86       | H                  |
| 8384.400        | 35.54                       | -34.50          | 37.68                 | 32.36                   | 54.00          | 18.46       | H                  |

## Channel 52

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.700       | 46.07                       | -25.50          | 46.66                 | 24.91                   | 54.00          | 7.93        | V                  |
| 17995.600       | 46.03                       | -25.50          | 46.66                 | 24.87                   | 54.00          | 7.97        | V                  |
| 14474.500       | 38.85                       | -28.59          | 42.46                 | 24.98                   | 54.00          | 15.15       | V                  |
| 14494.300       | 38.85                       | -28.59          | 42.46                 | 24.98                   | 54.00          | 15.15       | V                  |
| 8415.700        | 37.95                       | -34.35          | 37.79                 | 34.51                   | 54.00          | 16.05       | H                  |
| 8416.200        | 35.44                       | -34.35          | 37.79                 | 32.00                   | 54.00          | 18.56       | H                  |

## Channel 56

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17998.300       | 46.03                       | -25.50          | 46.66                 | 24.87                   | 54.00          | 7.97        | H                  |
| 17995.000       | 45.92                       | -25.50          | 46.66                 | 24.76                   | 54.00          | 8.08        | V                  |
| 14497.600       | 39.06                       | -28.59          | 42.46                 | 25.19                   | 54.00          | 14.94       | H                  |
| 14483.300       | 38.93                       | -28.59          | 42.46                 | 25.06                   | 54.00          | 15.07       | H                  |
| 8415.700        | 38.06                       | -34.35          | 37.79                 | 34.62                   | 54.00          | 15.94       | H                  |
| 8416.200        | 34.70                       | -34.35          | 37.79                 | 31.26                   | 54.00          | 19.30       | H                  |

## Channel 64

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.700       | 46.20                       | -25.50          | 46.66                 | 25.04                   | 54.00          | 7.80        | V                  |
| 17988.500       | 46.16                       | -25.50          | 46.66                 | 25.00                   | 54.00          | 7.84        | H                  |
| 14496.500       | 39.27                       | -28.59          | 42.46                 | 25.40                   | 54.00          | 14.73       | H                  |
| 14493.800       | 39.20                       | -28.59          | 42.46                 | 25.33                   | 54.00          | 14.80       | V                  |
| 5350.300        | 52.98                       | -27.43          | 34.01                 | 46.40                   | 54.00          | 1.02        | H                  |
| 5350.100        | 52.95                       | -27.43          | 34.01                 | 46.37                   | 54.00          | 1.05        | H                  |

## Channel 100

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17997.800       | 46.24                       | -25.50          | 46.66                 | 25.08                   | 54.00          | 7.76        | H                  |
| 17987.900       | 46.23                       | -25.50          | 46.66                 | 25.07                   | 54.00          | 7.77        | V                  |
| 11400.000       | 42.11                       | -32.42          | 38.79                 | 35.74                   | 54.00          | 11.89       | H                  |
| 11402.800       | 41.92                       | -32.42          | 38.79                 | 35.55                   | 54.00          | 12.08       | H                  |
| 5459.800        | 42.57                       | -27.18          | 34.17                 | 35.58                   | 54.00          | 11.43       | H                  |
| 5457.900        | 42.48                       | -27.18          | 34.17                 | 35.49                   | 54.00          | 11.52       | H                  |

## Channel 120

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17990.100       | 46.25                       | -25.50          | 46.66                 | 25.09                   | 54.00          | 7.75        | V                  |
| 17998.300       | 46.18                       | -25.50          | 46.66                 | 25.02                   | 54.00          | 7.82        | V                  |
| 11401.600       | 42.05                       | -32.42          | 38.79                 | 35.68                   | 54.00          | 11.95       | H                  |
| 11400.000       | 41.85                       | -32.42          | 38.79                 | 35.48                   | 54.00          | 12.15       | H                  |
| 14480.000       | 39.67                       | -28.59          | 42.46                 | 25.80                   | 54.00          | 14.33       | V                  |
| 14496.000       | 39.36                       | -28.59          | 42.46                 | 25.49                   | 54.00          | 14.64       | V                  |

## Channel 140

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17998.900       | 46.22                       | -25.50          | 46.66                 | 25.06                   | 54.00          | 7.78        | H                  |
| 17985.200       | 46.14                       | -25.50          | 46.66                 | 24.98                   | 54.00          | 7.86        | V                  |
| 11400.000       | 42.05                       | -32.42          | 38.79                 | 35.68                   | 54.00          | 11.95       | H                  |
| 11400.500       | 41.59                       | -32.42          | 38.79                 | 35.22                   | 54.00          | 12.41       | H                  |
| 14487.100       | 39.65                       | -28.59          | 42.46                 | 25.78                   | 54.00          | 14.35       | V                  |
| 14479.500       | 39.40                       | -28.59          | 42.46                 | 25.53                   | 54.00          | 14.60       | V                  |

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## Channel 38

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17995.600       | 46.32                       | -25.50          | 46.66                 | 25.16                   | 54.00          | 7.68        | V                  |
| 17991.200       | 46.20                       | -25.50          | 46.66                 | 25.04                   | 54.00          | 7.80        | V                  |
| 8304.000        | 40.68                       | -34.97          | 37.56                 | 38.08                   | 54.00          | 13.32       | H                  |
| 14482.200       | 39.45                       | -28.59          | 42.46                 | 25.58                   | 54.00          | 14.55       | V                  |
| 5149.900        | 53.70                       | -27.61          | 33.67                 | 47.64                   | 54.00          | 0.30        | H                  |
| 5149.200        | 53.68                       | -27.61          | 33.67                 | 47.62                   | 54.00          | 0.32        | H                  |

## Channel 46

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.000       | 46.80                       | -25.50          | 46.66                 | 25.64                   | 54.00          | 7.20        | V                  |
| 17984.000       | 46.43                       | -25.50          | 46.66                 | 25.27                   | 54.00          | 7.57        | H                  |
| 8367.900        | 43.18                       | -34.50          | 37.68                 | 40.00                   | 54.00          | 10.82       | H                  |
| 14496.500       | 39.31                       | -28.59          | 42.46                 | 25.44                   | 54.00          | 14.69       | H                  |
| 14485.500       | 39.24                       | -28.59          | 42.46                 | 25.37                   | 54.00          | 14.76       | V                  |
| 8368.400        | 37.18                       | -34.50          | 37.68                 | 34.00                   | 54.00          | 16.82       | H                  |

## Channel 54

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17998.900       | 46.18                       | -25.50          | 46.66                 | 25.02                   | 54.00          | 7.82        | H                  |
| 17989.000       | 46.00                       | -25.50          | 46.66                 | 24.84                   | 54.00          | 8.00        | V                  |
| 14492.100       | 39.20                       | -28.59          | 42.46                 | 25.33                   | 54.00          | 14.80       | V                  |
| 14485.500       | 39.14                       | -28.59          | 42.46                 | 25.27                   | 54.00          | 14.86       | V                  |
| 8431.600        | 37.89                       | -34.35          | 37.79                 | 34.45                   | 54.00          | 16.11       | H                  |
| 8432.200        | 35.88                       | -34.35          | 37.79                 | 32.44                   | 54.00          | 18.12       | H                  |

Channel 62

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17987.900       | 46.47                       | -25.50          | 46.66                 | 25.31                   | 54.00          | 7.53        | H                  |
| 17995.600       | 46.21                       | -25.50          | 46.66                 | 25.05                   | 54.00          | 7.79        | H                  |
| 10626.700       | 41.22                       | -32.76          | 38.38                 | 35.60                   | 54.00          | 12.78       | H                  |
| 10626.100       | 40.68                       | -32.76          | 38.38                 | 35.06                   | 54.00          | 13.32       | H                  |
| 5350.300        | 53.06                       | -27.43          | 34.01                 | 46.48                   | 54.00          | 0.94        | H                  |
| 5350.500        | 52.82                       | -27.43          | 34.01                 | 46.24                   | 54.00          | 1.18        | H                  |

Channel 102

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17986.200       | 46.11                       | -25.50          | 46.66                 | 24.95                   | 54.00          | 7.89        | V                  |
| 17988.500       | 46.08                       | -25.50          | 46.66                 | 24.92                   | 54.00          | 7.92        | V                  |
| 14492.100       | 38.74                       | -28.59          | 42.46                 | 24.87                   | 54.00          | 15.26       | H                  |
| 14481.600       | 38.73                       | -28.59          | 42.46                 | 24.86                   | 54.00          | 15.27       | V                  |
| 5458.000        | 39.93                       | -27.18          | 34.17                 | 32.94                   | 54.00          | 14.07       | H                  |
| 5459.600        | 39.90                       | -27.18          | 34.17                 | 32.91                   | 54.00          | 14.10       | H                  |

Channel 118

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.000       | 46.10                       | -25.50          | 46.66                 | 24.94                   | 54.00          | 7.90        | V                  |
| 17979.700       | 45.90                       | -25.50          | 46.66                 | 24.74                   | 54.00          | 8.10        | H                  |
| 14476.100       | 38.94                       | -28.59          | 42.46                 | 25.07                   | 54.00          | 15.06       | V                  |
| 14482.200       | 38.93                       | -28.59          | 42.46                 | 25.06                   | 54.00          | 15.07       | H                  |
| 11819.600       | 34.49                       | -31.85          | 39.05                 | 27.29                   | 54.00          | 19.51       | H                  |
| 11848.200       | 34.41                       | -31.85          | 39.05                 | 27.21                   | 54.00          | 19.59       | V                  |

Channel 134

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.000       | 46.07                       | -25.50          | 46.66                 | 24.91                   | 54.00          | 7.93        | V                  |
| 17991.200       | 46.06                       | -25.50          | 46.66                 | 24.90                   | 54.00          | 7.94        | V                  |
| 14476.700       | 38.97                       | -28.59          | 42.46                 | 25.10                   | 54.00          | 15.03       | V                  |
| 14493.200       | 38.97                       | -28.59          | 42.46                 | 25.10                   | 54.00          | 15.03       | H                  |
| 11841.100       | 34.43                       | -31.85          | 39.05                 | 27.23                   | 54.00          | 19.57       | V                  |
| 11910.400       | 34.38                       | -31.85          | 39.05                 | 27.18                   | 54.00          | 19.62       | V                  |

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Channel 36

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17998.900       | 46.27                       | -25.50          | 46.66                 | 25.11                   | 54.00          | 7.73        | V                  |
| 17972.500       | 46.05                       | -25.50          | 46.66                 | 24.89                   | 54.00          | 7.95        | V                  |
| 14488.800       | 39.17                       | -28.59          | 42.46                 | 25.30                   | 54.00          | 14.83       | H                  |
| 14481.600       | 39.12                       | -28.59          | 42.46                 | 25.25                   | 54.00          | 14.88       | H                  |
| 5149.800        | 49.60                       | -27.61          | 33.67                 | 43.54                   | 54.00          | 4.40        | H                  |
| 5149.200        | 49.49                       | -27.61          | 33.67                 | 43.43                   | 54.00          | 4.51        | H                  |

Channel 40

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.200       | 46.16                       | -25.50          | 46.66                 | 25.00                   | 54.00          | 7.84        | V                  |
| 17997.800       | 45.89                       | -25.50          | 46.66                 | 24.73                   | 54.00          | 8.11        | H                  |
| 14470.100       | 39.21                       | -28.59          | 42.46                 | 25.34                   | 54.00          | 14.79       | V                  |
| 14482.200       | 39.14                       | -28.59          | 42.46                 | 25.27                   | 54.00          | 14.86       | V                  |
| 8320.000        | 38.80                       | -34.97          | 37.56                 | 36.20                   | 54.00          | 15.20       | H                  |
| 8319.500        | 37.25                       | -34.97          | 37.56                 | 34.65                   | 54.00          | 16.75       | H                  |

## Channel 48

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17997.200       | 46.15                       | -25.50          | 46.66                 | 24.99                   | 54.00          | 7.85        | H                  |
| 17998.900       | 46.05                       | -25.50          | 46.66                 | 24.89                   | 54.00          | 7.95        | V                  |
| 14476.100       | 39.15                       | -28.59          | 42.46                 | 25.28                   | 54.00          | 14.85       | H                  |
| 14479.500       | 39.04                       | -28.59          | 42.46                 | 25.17                   | 54.00          | 14.96       | V                  |
| 8383.800        | 38.33                       | -34.50          | 37.68                 | 35.15                   | 54.00          | 15.67       | H                  |
| 8384.400        | 35.36                       | -34.50          | 37.68                 | 32.18                   | 54.00          | 18.64       | H                  |

## Channel 52

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17993.400       | 45.99                       | -25.50          | 46.66                 | 24.83                   | 54.00          | 8.01        | V                  |
| 17996.700       | 45.92                       | -25.50          | 46.66                 | 24.76                   | 54.00          | 8.08        | H                  |
| 14487.700       | 39.01                       | -28.59          | 42.46                 | 25.14                   | 54.00          | 14.99       | V                  |
| 14474.500       | 38.99                       | -28.59          | 42.46                 | 25.12                   | 54.00          | 15.01       | H                  |
| 8415.700        | 34.18                       | -34.35          | 37.79                 | 30.74                   | 54.00          | 19.82       | V                  |
| 11860.900       | 34.17                       | -31.85          | 39.05                 | 26.97                   | 54.00          | 19.83       | V                  |

## Channel 56

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.700       | 46.34                       | -25.50          | 46.66                 | 25.18                   | 54.00          | 7.66        | V                  |
| 17995.000       | 46.07                       | -25.50          | 46.66                 | 24.91                   | 54.00          | 7.93        | H                  |
| 14480.500       | 39.14                       | -28.59          | 42.46                 | 25.27                   | 54.00          | 14.86       | V                  |
| 14490.500       | 39.08                       | -28.59          | 42.46                 | 25.21                   | 54.00          | 14.92       | V                  |
| 8415.700        | 38.20                       | -34.35          | 37.79                 | 34.76                   | 54.00          | 15.80       | H                  |
| 8416.200        | 35.88                       | -34.35          | 37.79                 | 32.44                   | 54.00          | 18.12       | H                  |



## Channel 64

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.700       | 45.93                       | -25.50          | 46.66                 | 24.77                   | 54.00          | 8.07        | V                  |
| 17998.900       | 45.91                       | -25.50          | 46.66                 | 24.75                   | 54.00          | 8.09        | V                  |
| 14485.000       | 39.18                       | -28.59          | 42.46                 | 25.31                   | 54.00          | 14.82       | H                  |
| 14497.600       | 39.04                       | -28.59          | 42.46                 | 25.17                   | 54.00          | 14.96       | H                  |
| 5350.100        | 53.01                       | -27.43          | 34.01                 | 46.43                   | 54.00          | 0.99        | H                  |
| 5350.200        | 52.95                       | -27.43          | 34.01                 | 46.37                   | 54.00          | 1.05        | H                  |

## Channel 100

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.500       | 46.20                       | -25.50          | 46.66                 | 25.04                   | 54.00          | 7.80        | V                  |
| 17997.800       | 46.17                       | -25.50          | 46.66                 | 25.01                   | 54.00          | 7.83        | V                  |
| 11398.400       | 41.72                       | -32.42          | 38.79                 | 35.35                   | 54.00          | 12.28       | H                  |
| 11403.300       | 41.61                       | -32.42          | 38.79                 | 35.24                   | 54.00          | 12.39       | H                  |
| 5458.000        | 41.81                       | -27.18          | 34.17                 | 34.82                   | 54.00          | 12.19       | H                  |
| 5458.400        | 41.60                       | -27.18          | 34.17                 | 34.61                   | 54.00          | 12.40       | H                  |

## Channel 120

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17984.600       | 46.33                       | -25.50          | 46.66                 | 25.17                   | 54.00          | 7.67        | V                  |
| 17998.300       | 46.29                       | -25.50          | 46.66                 | 25.13                   | 54.00          | 7.71        | V                  |
| 11400.500       | 42.05                       | -32.42          | 38.79                 | 35.68                   | 54.00          | 11.95       | H                  |
| 11397.800       | 41.85                       | -32.42          | 38.79                 | 35.48                   | 54.00          | 12.15       | H                  |
| 14471.800       | 39.49                       | -28.59          | 42.46                 | 25.62                   | 54.00          | 14.51       | V                  |
| 14486.000       | 39.23                       | -28.59          | 42.46                 | 25.36                   | 54.00          | 14.77       | H                  |

## Channel 140

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.200       | 46.14                       | -25.50          | 46.66                 | 24.98                   | 54.00          | 7.86        | V                  |
| 17998.300       | 46.07                       | -25.50          | 46.66                 | 24.91                   | 54.00          | 7.93        | V                  |
| 11398.400       | 42.66                       | -32.42          | 38.79                 | 36.29                   | 54.00          | 11.34       | H                  |
| 11400.000       | 42.65                       | -32.42          | 38.79                 | 36.28                   | 54.00          | 11.35       | H                  |
| 14487.700       | 39.56                       | -28.59          | 42.46                 | 25.69                   | 54.00          | 14.44       | H                  |
| 14475.600       | 39.42                       | -28.59          | 42.46                 | 25.55                   | 54.00          | 14.58       | V                  |

**802.11ac-HT40**

## Channel 38

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17991.800       | 46.17                       | -25.50          | 46.66                 | 25.01                   | 54.00          | 7.83        | V                  |
| 17979.100       | 46.00                       | -25.50          | 46.66                 | 24.84                   | 54.00          | 8.00        | V                  |
| 8304.000        | 40.10                       | -34.97          | 37.56                 | 37.50                   | 54.00          | 13.90       | H                  |
| 8303.500        | 40.07                       | -34.97          | 37.56                 | 37.47                   | 54.00          | 13.93       | H                  |
| 5149.100        | 53.92                       | -27.61          | 33.67                 | 47.86                   | 54.00          | 0.08        | H                  |
| 5150.000        | 53.91                       | -27.61          | 33.67                 | 47.85                   | 54.00          | 0.09        | H                  |

## Channel 46

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17987.900       | 46.22                       | -25.50          | 46.66                 | 25.06                   | 54.00          | 7.78        | H                  |
| 17997.800       | 46.13                       | -25.50          | 46.66                 | 24.97                   | 54.00          | 7.87        | V                  |
| 8367.900        | 39.71                       | -34.50          | 37.68                 | 36.53                   | 54.00          | 14.29       | H                  |
| 14493.800       | 39.55                       | -28.59          | 42.46                 | 25.68                   | 54.00          | 14.45       | H                  |
| 14495.400       | 39.27                       | -28.59          | 42.46                 | 25.40                   | 54.00          | 14.73       | V                  |
| 8368.400        | 35.33                       | -34.50          | 37.68                 | 32.15                   | 54.00          | 18.67       | H                  |

## Channel 54

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17992.300       | 46.20                       | -25.50          | 46.66                 | 25.04                   | 54.00          | 7.80        | V                  |
| 17987.300       | 46.11                       | -25.50          | 46.66                 | 24.95                   | 54.00          | 7.89        | H                  |
| 14477.800       | 39.16                       | -28.59          | 42.46                 | 25.29                   | 54.00          | 14.84       | V                  |
| 14472.300       | 39.08                       | -28.59          | 42.46                 | 25.21                   | 54.00          | 14.92       | V                  |
| 8431.600        | 34.84                       | -34.35          | 37.79                 | 31.40                   | 54.00          | 19.16       | H                  |
| 11820.800       | 34.67                       | -31.85          | 39.05                 | 27.47                   | 54.00          | 19.33       | V                  |

## Channel 62

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17987.300       | 45.98                       | -25.50          | 46.66                 | 24.82                   | 54.00          | 8.02        | V                  |
| 17997.800       | 45.90                       | -25.50          | 46.66                 | 24.74                   | 54.00          | 8.10        | V                  |
| 14498.700       | 39.32                       | -28.59          | 42.46                 | 25.45                   | 54.00          | 14.68       | V                  |
| 14480.500       | 39.31                       | -28.59          | 42.46                 | 25.44                   | 54.00          | 14.69       | V                  |
| 5350.500        | 53.65                       | -27.43          | 34.01                 | 47.07                   | 54.00          | 0.35        | H                  |
| 5350.400        | 53.46                       | -27.43          | 34.01                 | 46.88                   | 54.00          | 0.54        | H                  |

## Channel 102

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17991.200       | 45.94                       | -25.50          | 46.66                 | 24.78                   | 54.00          | 8.06        | H                  |
| 17976.300       | 45.67                       | -25.50          | 46.66                 | 24.51                   | 54.00          | 8.33        | V                  |
| 14474.500       | 38.99                       | -28.59          | 42.46                 | 25.12                   | 54.00          | 15.01       | H                  |
| 14495.400       | 38.89                       | -28.59          | 42.46                 | 25.02                   | 54.00          | 15.11       | V                  |
| 5450.400        | 39.70                       | -27.18          | 34.17                 | 32.71                   | 54.00          | 14.30       | H                  |
| 5459.100        | 39.68                       | -27.18          | 34.17                 | 32.69                   | 54.00          | 14.32       | H                  |

**Channel 118**

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.000       | 45.95                       | -25.50          | 46.66                 | 24.79                   | 54.00          | 8.05        | V                  |
| 17992.800       | 45.70                       | -25.50          | 46.66                 | 24.54                   | 54.00          | 8.30        | H                  |
| 14499.200       | 39.00                       | -28.59          | 42.46                 | 25.13                   | 54.00          | 15.00       | V                  |
| 14498.100       | 38.85                       | -28.59          | 42.46                 | 24.98                   | 54.00          | 15.15       | V                  |
| 11844.400       | 34.26                       | -31.85          | 39.05                 | 27.06                   | 54.00          | 19.74       | V                  |
| 11837.800       | 34.13                       | -31.85          | 39.05                 | 26.93                   | 54.00          | 19.87       | H                  |

**Channel 134**

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17997.800       | 45.93                       | -25.50          | 46.66                 | 24.77                   | 54.00          | 8.07        | V                  |
| 17998.300       | 45.93                       | -25.50          | 46.66                 | 24.77                   | 54.00          | 8.07        | H                  |
| 14496.500       | 38.85                       | -28.59          | 42.46                 | 24.98                   | 54.00          | 15.15       | V                  |
| 14479.500       | 38.80                       | -28.59          | 42.46                 | 24.93                   | 54.00          | 15.20       | H                  |
| 11814.100       | 34.17                       | -31.85          | 39.05                 | 26.97                   | 54.00          | 19.83       | H                  |
| 11803.100       | 34.14                       | -31.85          | 39.05                 | 26.94                   | 54.00          | 19.86       | H                  |

**802.11ac-HT80**
**Channel 42**

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17996.700       | 46.09                       | -25.50          | 46.66                 | 24.93                   | 54.00          | 7.91        | V                  |
| 17994.500       | 45.94                       | -25.50          | 46.66                 | 24.78                   | 54.00          | 8.06        | V                  |
| 14481.100       | 39.23                       | -28.59          | 42.46                 | 25.36                   | 54.00          | 14.77       | V                  |
| 14471.200       | 39.03                       | -28.59          | 42.46                 | 25.16                   | 54.00          | 14.97       | V                  |
| 5150.000        | 50.82                       | -27.61          | 33.67                 | 44.76                   | 54.00          | 3.18        | H                  |
| 5149.800        | 50.60                       | -27.61          | 33.67                 | 44.54                   | 54.00          | 3.40        | H                  |

## Channel 58

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17981.800       | 45.99                       | -25.50          | 46.66                 | 24.83                   | 54.00          | 8.01        | H                  |
| 17998.900       | 45.94                       | -25.50          | 46.66                 | 24.78                   | 54.00          | 8.06        | V                  |
| 14486.000       | 39.21                       | -28.59          | 42.46                 | 25.34                   | 54.00          | 14.79       | V                  |
| 14486.600       | 39.18                       | -28.59          | 42.46                 | 25.31                   | 54.00          | 14.82       | H                  |
| 5352.600        | 52.16                       | -27.43          | 34.01                 | 45.58                   | 54.00          | 1.84        | H                  |
| 5351.000        | 52.00                       | -27.43          | 34.01                 | 45.42                   | 54.00          | 2.00        | H                  |

## Channel 106

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17981.800       | 45.80                       | -25.50          | 46.66                 | 24.64                   | 54.00          | 8.20        | H                  |
| 17995.600       | 45.79                       | -25.50          | 46.66                 | 24.63                   | 54.00          | 8.21        | V                  |
| 14474.500       | 38.96                       | -28.59          | 42.46                 | 25.09                   | 54.00          | 15.04       | V                  |
| 14499.200       | 38.75                       | -28.59          | 42.46                 | 24.88                   | 54.00          | 15.25       | V                  |
| 5457.600        | 45.12                       | -27.18          | 34.17                 | 38.13                   | 54.00          | 8.88        | H                  |
| 5458.600        | 45.09                       | -27.18          | 34.17                 | 38.10                   | 54.00          | 8.91        | H                  |

## Channel 122

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17992.800       | 45.97                       | -25.50          | 46.66                 | 24.81                   | 54.00          | 8.03        | V                  |
| 17994.000       | 45.93                       | -25.50          | 46.66                 | 24.77                   | 54.00          | 8.07        | V                  |
| 14493.800       | 39.13                       | -28.59          | 42.46                 | 25.26                   | 54.00          | 14.87       | H                  |
| 14480.000       | 38.88                       | -28.59          | 42.46                 | 25.01                   | 54.00          | 15.12       | V                  |
| 11857.000       | 34.27                       | -31.85          | 39.05                 | 27.07                   | 54.00          | 19.73       | H                  |
| 11845.000       | 34.21                       | -31.85          | 39.05                 | 27.01                   | 54.00          | 19.79       | H                  |

**PEAK Results:**
**802.11a**

## Channel 36

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17987.900       | 58.48                       | -25.50          | 46.66                 | 37.32                   | 74.00          | 15.52       | H                  |
| 17974.700       | 57.50                       | -25.50          | 46.66                 | 36.34                   | 74.00          | 16.50       | H                  |
| 10358.300       | 55.80                       | -33.68          | 38.17                 | 51.30                   | 68.30          | 12.50       | H                  |
| 10356.600       | 55.65                       | -33.68          | 38.17                 | 51.15                   | 68.30          | 12.65       | H                  |
| 5146.700        | 66.22                       | -27.61          | 33.67                 | 60.16                   | 74.00          | 7.78        | H                  |
| 5148.500        | 66.05                       | -27.61          | 33.67                 | 59.99                   | 74.00          | 7.95        | H                  |

## Channel 40

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.000       | 57.75                       | -25.50          | 46.66                 | 36.59                   | 74.00          | 16.25       | V                  |
| 17990.100       | 57.56                       | -25.50          | 46.66                 | 36.40                   | 74.00          | 16.44       | V                  |
| 10400.600       | 55.82                       | -33.22          | 38.19                 | 50.85                   | 68.30          | 12.48       | H                  |
| 10397.400       | 54.51                       | -33.22          | 38.19                 | 49.54                   | 68.30          | 13.79       | H                  |
| 14330.400       | 51.34                       | -28.42          | 42.34                 | 37.42                   | 68.30          | 16.96       | H                  |
| 14714.900       | 50.99                       | -28.32          | 41.35                 | 37.97                   | 68.30          | 17.31       | V                  |

## Channel 48

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17986.200       | 58.48                       | -25.50          | 46.66                 | 37.32                   | 74.00          | 15.52       | V                  |
| 17983.000       | 57.50                       | -25.50          | 46.66                 | 36.34                   | 74.00          | 16.50       | H                  |
| 10478.200       | 56.24                       | -32.99          | 38.27                 | 50.95                   | 68.30          | 12.06       | H                  |
| 10475.500       | 55.45                       | -32.99          | 38.27                 | 50.16                   | 68.30          | 12.85       | H                  |
| 14512.500       | 50.84                       | -28.59          | 42.46                 | 36.97                   | 68.30          | 17.46       | V                  |
| 14153.300       | 50.70                       | -28.99          | 42.00                 | 37.68                   | 68.30          | 17.60       | H                  |

## Channel 52

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17987.300       | 57.61                       | -25.50          | 46.66                 | 36.45                   | 74.00          | 16.39       | H                  |
| 17944.500       | 57.08                       | -25.50          | 46.66                 | 35.92                   | 74.00          | 16.92       | H                  |
| 14389.200       | 51.21                       | -28.42          | 42.34                 | 37.29                   | 68.30          | 17.09       | V                  |
| 14793.500       | 51.06                       | -28.32          | 41.35                 | 38.04                   | 68.30          | 17.24       | H                  |
| 10523.900       | 50.52                       | -32.99          | 38.27                 | 45.23                   | 68.30          | 17.78       | H                  |
| 10519.500       | 50.09                       | -32.99          | 38.27                 | 44.80                   | 68.30          | 18.21       | H                  |

## Channel 56

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17945.500       | 57.43                       | -25.50          | 46.66                 | 36.27                   | 74.00          | 16.57       | V                  |
| 17512.700       | 57.10                       | -26.85          | 45.25                 | 38.70                   | 68.30          | 11.20       | V                  |
| 14384.900       | 51.98                       | -28.42          | 42.34                 | 38.06                   | 68.30          | 16.32       | V                  |
| 14485.500       | 51.82                       | -28.59          | 42.46                 | 37.95                   | 74.00          | 22.18       | V                  |
| 10518.900       | 51.49                       | -32.99          | 38.27                 | 46.20                   | 68.30          | 16.81       | H                  |
| 10530.500       | 50.94                       | -32.99          | 38.27                 | 45.65                   | 68.30          | 17.36       | H                  |

## Channel 64

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17989.500       | 56.93                       | -25.50          | 46.66                 | 35.77                   | 74.00          | 17.07       | V                  |
| 17973.600       | 56.71                       | -25.50          | 46.66                 | 35.55                   | 74.00          | 17.29       | H                  |
| 10515.600       | 51.33                       | -32.99          | 38.27                 | 46.04                   | 68.30          | 16.97       | H                  |
| 10521.100       | 51.11                       | -32.99          | 38.27                 | 45.82                   | 68.30          | 17.19       | H                  |
| 5350.200        | 67.69                       | -27.43          | 34.01                 | 61.11                   | 74.00          | 6.31        | H                  |
| 5351.500        | 67.64                       | -27.43          | 34.01                 | 61.06                   | 74.00          | 6.36        | H                  |

## Channel 100

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17994.000       | 57.77                       | -25.50          | 46.66                 | 36.61                   | 74.00          | 16.23       | H                  |
| 17985.700       | 57.44                       | -25.50          | 46.66                 | 36.28                   | 74.00          | 16.56       | H                  |
| 11393.400       | 53.48                       | -32.42          | 38.79                 | 47.11                   | 74.00          | 20.52       | H                  |
| 11398.900       | 52.85                       | -32.42          | 38.79                 | 46.48                   | 74.00          | 21.15       | H                  |
| 5459.000        | 60.06                       | -27.18          | 34.17                 | 53.07                   | 74.00          | 13.94       | H                  |
| 5469.700        | 64.95                       | -27.18          | 34.17                 | 57.96                   | 68.30          | 3.35        | H                  |

## Channel 120

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17957.100       | 57.87                       | -25.50          | 46.66                 | 36.71                   | 74.00          | 16.13       | V                  |
| 17980.200       | 57.65                       | -25.50          | 46.66                 | 36.49                   | 74.00          | 16.35       | V                  |
| 11406.000       | 55.96                       | -32.42          | 38.79                 | 49.59                   | 74.00          | 18.04       | H                  |
| 11407.100       | 54.24                       | -32.42          | 38.79                 | 47.87                   | 74.00          | 19.76       | H                  |
| 14505.900       | 51.45                       | -28.59          | 42.46                 | 37.58                   | 68.30          | 16.85       | V                  |
| 14474.500       | 51.09                       | -28.59          | 42.46                 | 37.22                   | 74.00          | 22.91       | H                  |

## Channel 140

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17893.300       | 57.49                       | -25.50          | 46.66                 | 36.33                   | 74.00          | 16.51       | H                  |
| 17984.000       | 57.28                       | -25.50          | 46.66                 | 36.12                   | 74.00          | 16.72       | V                  |
| 11398.900       | 55.05                       | -32.42          | 38.79                 | 48.68                   | 74.00          | 18.95       | H                  |
| 11398.400       | 54.60                       | -32.42          | 38.79                 | 48.23                   | 74.00          | 19.40       | H                  |
| 5726.900        | 64.98                       | -27.07          | 34.31                 | 57.74                   | 68.30          | 3.32        | H                  |
| 5725.400        | 63.11                       | -27.07          | 34.31                 | 55.87                   | 68.30          | 5.19        | H                  |



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## Channel 36

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17982.400       | 57.48                       | -25.50          | 46.66                 | 36.32                   | 74.00          | 16.52       | V                  |
| 17978.500       | 57.45                       | -25.50          | 46.66                 | 36.29                   | 74.00          | 16.55       | H                  |
| 10368.200       | 51.68                       | -33.22          | 38.19                 | 46.71                   | 68.30          | 16.62       | H                  |
| 10364.900       | 51.48                       | -33.22          | 38.19                 | 46.51                   | 68.30          | 16.82       | H                  |
| 5149.500        | 70.71                       | -27.61          | 33.67                 | 64.65                   | 74.00          | 3.29        | H                  |
| 5149.200        | 69.88                       | -27.61          | 33.67                 | 63.82                   | 74.00          | 4.12        | H                  |

## Channel 40

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17973.000       | 57.28                       | -25.50          | 46.66                 | 36.12                   | 74.00          | 16.72       | V                  |
| 17977.500       | 57.10                       | -25.50          | 46.66                 | 35.94                   | 74.00          | 16.90       | H                  |
| 10395.100       | 50.92                       | -33.22          | 38.19                 | 45.95                   | 68.30          | 17.38       | V                  |
| 14381.500       | 50.82                       | -28.42          | 42.34                 | 36.90                   | 68.30          | 17.48       | V                  |
| 14513.500       | 50.81                       | -28.59          | 42.46                 | 36.94                   | 68.30          | 17.49       | H                  |
| 10399.000       | 49.64                       | -33.22          | 38.19                 | 44.67                   | 68.30          | 18.66       | H                  |

## Channel 48

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17985.200       | 57.31                       | -25.50          | 46.66                 | 36.15                   | 74.00          | 16.69       | V                  |
| 17981.800       | 57.04                       | -25.50          | 46.66                 | 35.88                   | 74.00          | 16.96       | V                  |
| 10477.600       | 56.20                       | -32.99          | 38.27                 | 50.91                   | 68.30          | 12.10       | H                  |
| 10478.200       | 55.62                       | -32.99          | 38.27                 | 50.33                   | 68.30          | 12.68       | H                  |
| 14314.500       | 50.90                       | -28.42          | 42.34                 | 36.98                   | 68.30          | 17.40       | V                  |
| 14282.500       | 50.82                       | -28.42          | 42.34                 | 36.90                   | 68.30          | 17.48       | H                  |

## Channel 52

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17989.500       | 57.63                       | -25.50          | 46.66                 | 36.47                   | 74.00          | 16.37       | H                  |
| 17980.200       | 57.59                       | -25.50          | 46.66                 | 36.43                   | 74.00          | 16.41       | V                  |
| 10517.200       | 52.07                       | -32.99          | 38.27                 | 46.78                   | 68.30          | 16.23       | V                  |
| 10519.500       | 51.67                       | -32.99          | 38.27                 | 46.38                   | 68.30          | 16.63       | V                  |
| 14497.600       | 50.75                       | -28.59          | 42.46                 | 36.88                   | 74.00          | 23.25       | V                  |
| 14314.500       | 50.59                       | -28.42          | 42.34                 | 36.67                   | 68.30          | 17.71       | V                  |

## Channel 56

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17976.900       | 57.13                       | -25.50          | 46.66                 | 35.97                   | 74.00          | 16.87       | V                  |
| 17986.200       | 56.87                       | -25.50          | 46.66                 | 35.71                   | 74.00          | 17.13       | V                  |
| 10522.200       | 51.94                       | -32.99          | 38.27                 | 46.65                   | 68.30          | 16.36       | V                  |
| 10522.800       | 51.74                       | -32.99          | 38.27                 | 46.45                   | 68.30          | 16.56       | V                  |
| 14519.000       | 51.46                       | -28.59          | 42.46                 | 37.59                   | 68.30          | 16.84       | H                  |
| 14406.900       | 51.18                       | -28.59          | 42.46                 | 37.31                   | 68.30          | 17.12       | H                  |

## Channel 64

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17995.600       | 57.35                       | -25.50          | 46.66                 | 36.19                   | 74.00          | 16.65       | H                  |
| 17996.200       | 57.23                       | -25.50          | 46.66                 | 36.07                   | 74.00          | 16.77       | V                  |
| 10522.200       | 52.68                       | -32.99          | 38.27                 | 47.39                   | 68.30          | 15.62       | V                  |
| 10520.500       | 52.15                       | -32.99          | 38.27                 | 46.86                   | 68.30          | 16.15       | V                  |
| 5350.500        | 70.51                       | -27.43          | 34.01                 | 63.93                   | 74.00          | 3.49        | H                  |
| 5350.300        | 70.49                       | -27.43          | 34.01                 | 63.91                   | 74.00          | 3.51        | H                  |

## Channel 100

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17989.500       | 57.74                       | -25.50          | 46.66                 | 36.58                   | 74.00          | 16.26       | V                  |
| 17990.100       | 57.46                       | -25.50          | 46.66                 | 36.30                   | 74.00          | 16.54       | H                  |
| 11392.300       | 55.95                       | -32.42          | 38.79                 | 49.58                   | 74.00          | 18.05       | H                  |
| 11394.000       | 55.59                       | -32.42          | 38.79                 | 49.22                   | 74.00          | 18.41       | H                  |
| 5459.400        | 61.23                       | -27.18          | 34.17                 | 54.24                   | 74.00          | 12.77       | H                  |
| 5466.200        | 65.55                       | -27.18          | 34.17                 | 58.56                   | 68.30          | 2.75        | H                  |

## Channel 120

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17957.100       | 57.83                       | -25.50          | 46.66                 | 36.67                   | 74.00          | 16.17       | H                  |
| 17985.200       | 57.23                       | -25.50          | 46.66                 | 36.07                   | 74.00          | 16.77       | V                  |
| 11398.900       | 53.54                       | -32.42          | 38.79                 | 47.17                   | 74.00          | 20.46       | H                  |
| 11395.600       | 53.34                       | -32.42          | 38.79                 | 46.97                   | 74.00          | 20.66       | H                  |
| 14498.700       | 51.20                       | -28.59          | 42.46                 | 37.33                   | 74.00          | 22.80       | H                  |
| 14309.500       | 50.93                       | -28.42          | 42.34                 | 37.01                   | 68.30          | 17.37       | V                  |

## Channel 140

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17973.000       | 57.35                       | -25.50          | 46.66                 | 36.19                   | 74.00          | 16.65       | H                  |
| 17996.200       | 57.35                       | -25.50          | 46.66                 | 36.19                   | 74.00          | 16.65       | V                  |
| 11396.100       | 55.34                       | -32.42          | 38.79                 | 48.97                   | 74.00          | 18.66       | H                  |
| 11397.200       | 54.73                       | -32.42          | 38.79                 | 48.36                   | 74.00          | 19.27       | H                  |
| 5725.100        | 66.40                       | -27.07          | 34.31                 | 59.16                   | 68.30          | 1.90        | V                  |
| 5725.200        | 66.33                       | -27.07          | 34.31                 | 59.09                   | 68.30          | 1.97        | V                  |

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## Channel 38

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17989.500       | 57.88                       | -25.50          | 46.66                 | 36.72                   | 74.00          | 16.12       | H                  |
| 17987.300       | 57.76                       | -25.50          | 46.66                 | 36.60                   | 74.00          | 16.24       | H                  |
| 10397.400       | 52.99                       | -33.22          | 38.19                 | 48.02                   | 68.30          | 15.31       | H                  |
| 10398.500       | 51.88                       | -33.22          | 38.19                 | 46.91                   | 68.30          | 16.42       | H                  |
| 5147.600        | 73.59                       | -27.61          | 33.67                 | 67.53                   | 74.00          | 0.41        | H                  |
| 5149.700        | 72.71                       | -27.61          | 33.67                 | 66.65                   | 74.00          | 1.29        | H                  |

## Channel 46

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17992.300       | 57.44                       | -25.50          | 46.66                 | 36.28                   | 74.00          | 16.56       | H                  |
| 17991.800       | 57.27                       | -25.50          | 46.66                 | 36.11                   | 74.00          | 16.73       | H                  |
| 10468.300       | 52.67                       | -32.99          | 38.27                 | 47.38                   | 68.30          | 15.63       | H                  |
| 14698.400       | 51.64                       | -28.32          | 41.35                 | 38.62                   | 68.30          | 16.66       | V                  |
| 14351.300       | 51.52                       | -28.42          | 42.34                 | 37.60                   | 68.30          | 16.78       | V                  |
| 10467.200       | 51.03                       | -33.22          | 38.19                 | 46.06                   | 68.30          | 17.27       | H                  |

## Channel 54

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17982.400       | 57.99                       | -25.50          | 46.66                 | 36.83                   | 74.00          | 16.01       | V                  |
| 17898.800       | 57.12                       | -25.50          | 46.66                 | 35.96                   | 74.00          | 16.88       | V                  |
| 14721.500       | 51.11                       | -28.32          | 41.35                 | 38.09                   | 68.30          | 17.19       | V                  |
| 14075.200       | 51.09                       | -29.44          | 41.66                 | 38.87                   | 68.30          | 17.21       | V                  |
| 10555.800       | 50.42                       | -32.99          | 38.27                 | 45.13                   | 68.30          | 17.88       | H                  |
| 10556.300       | 50.07                       | -32.99          | 38.27                 | 44.78                   | 68.30          | 18.23       | H                  |

## Channel 62

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17981.300       | 57.96                       | -25.50          | 46.66                 | 36.80                   | 74.00          | 16.04       | H                  |
| 17984.000       | 57.94                       | -25.50          | 46.66                 | 36.78                   | 74.00          | 16.06       | V                  |
| 10625.000       | 51.69                       | -32.76          | 38.38                 | 46.07                   | 74.00          | 22.31       | H                  |
| 14430.000       | 51.48                       | -28.59          | 42.46                 | 37.61                   | 68.30          | 16.82       | H                  |
| 5352.000        | 70.06                       | -27.43          | 34.01                 | 63.48                   | 74.00          | 3.94        | H                  |
| 5351.600        | 69.93                       | -27.43          | 34.01                 | 63.35                   | 74.00          | 4.07        | H                  |

## Channel 102

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17948.800       | 57.47                       | -25.50          | 46.66                 | 36.31                   | 74.00          | 16.53       | H                  |
| 17995.600       | 57.24                       | -25.50          | 46.66                 | 36.08                   | 74.00          | 16.76       | H                  |
| 14287.000       | 50.99                       | -28.42          | 42.34                 | 37.07                   | 68.30          | 17.31       | H                  |
| 14397.000       | 50.99                       | -28.59          | 42.46                 | 37.12                   | 68.30          | 17.31       | V                  |
| 5459.800        | 59.04                       | -27.18          | 34.17                 | 52.05                   | 74.00          | 14.96       | H                  |
| 5469.500        | 61.71                       | -27.18          | 34.17                 | 54.72                   | 68.30          | 6.59        | H                  |

## Channel 118

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17988.500       | 57.76                       | -25.50          | 46.66                 | 36.60                   | 74.00          | 16.24       | V                  |
| 17965.300       | 57.05                       | -25.50          | 46.66                 | 35.89                   | 74.00          | 16.95       | H                  |
| 14471.200       | 51.23                       | -28.59          | 42.46                 | 37.36                   | 74.00          | 22.77       | H                  |
| 14408.000       | 50.80                       | -28.59          | 42.46                 | 36.93                   | 68.30          | 17.50       | V                  |
| 11901.600       | 46.60                       | -31.85          | 39.05                 | 39.40                   | 74.00          | 27.40       | V                  |
| 11815.800       | 46.19                       | -31.85          | 39.05                 | 38.99                   | 74.00          | 27.81       | V                  |

Channel 134

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17984.000       | 58.29                       | -25.50          | 46.66                 | 37.13                   | 74.00          | 15.71       | V                  |
| 17963.200       | 57.37                       | -25.50          | 46.66                 | 36.21                   | 74.00          | 16.63       | V                  |
| 14463.500       | 50.85                       | -28.59          | 42.46                 | 36.98                   | 68.30          | 17.45       | H                  |
| 14311.100       | 50.62                       | -28.42          | 42.34                 | 36.70                   | 68.30          | 17.68       | V                  |
| 5728.400        | 61.32                       | -27.07          | 34.31                 | 54.08                   | 68.30          | 6.98        | H                  |
| 5726.900        | 61.31                       | -27.07          | 34.31                 | 54.07                   | 68.30          | 6.99        | H                  |

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Channel 36

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17953.800       | 56.92                       | -25.50          | 46.66                 | 35.76                   | 74.00          | 17.08       | V                  |
| 17984.000       | 56.78                       | -25.50          | 46.66                 | 35.62                   | 74.00          | 17.22       | H                  |
| 10358.900       | 52.06                       | -33.68          | 38.17                 | 47.56                   | 68.30          | 16.24       | H                  |
| 10366.000       | 51.89                       | -33.22          | 38.19                 | 46.92                   | 68.30          | 16.41       | V                  |
| 5148.800        | 68.32                       | -27.61          | 33.67                 | 62.26                   | 74.00          | 5.68        | H                  |
| 5148.700        | 66.87                       | -27.61          | 33.67                 | 60.81                   | 74.00          | 7.13        | H                  |

Channel 40

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17995.600       | 57.80                       | -25.50          | 46.66                 | 36.64                   | 74.00          | 16.20       | H                  |
| 17996.200       | 56.85                       | -25.50          | 46.66                 | 35.69                   | 74.00          | 17.15       | V                  |
| 10393.500       | 51.85                       | -33.22          | 38.19                 | 46.88                   | 68.30          | 16.45       | H                  |
| 10389.600       | 51.47                       | -33.22          | 38.19                 | 46.50                   | 68.30          | 16.83       | H                  |
| 14393.600       | 51.14                       | -28.59          | 42.46                 | 37.27                   | 68.30          | 17.16       | V                  |
| 14395.300       | 50.92                       | -28.59          | 42.46                 | 37.05                   | 68.30          | 17.38       | V                  |

## Channel 48

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17979.700       | 58.42                       | -25.50          | 46.66                 | 37.26                   | 74.00          | 15.58       | H                  |
| 17990.100       | 57.69                       | -25.50          | 46.66                 | 36.53                   | 74.00          | 16.31       | V                  |
| 10479.300       | 55.57                       | -32.99          | 38.27                 | 50.28                   | 68.30          | 12.73       | H                  |
| 10479.900       | 55.35                       | -32.99          | 38.27                 | 50.06                   | 68.30          | 12.95       | H                  |
| 14617.000       | 51.43                       | -27.29          | 41.90                 | 36.82                   | 68.30          | 16.87       | H                  |
| 14372.800       | 51.23                       | -28.42          | 42.34                 | 37.31                   | 68.30          | 17.07       | V                  |

## Channel 52

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17988.500       | 58.76                       | -25.50          | 46.66                 | 37.60                   | 74.00          | 15.24       | V                  |
| 17995.000       | 57.51                       | -25.50          | 46.66                 | 36.35                   | 74.00          | 16.49       | V                  |
| 14509.100       | 50.94                       | -28.59          | 42.46                 | 37.07                   | 68.30          | 17.36       | H                  |
| 14511.400       | 50.71                       | -28.59          | 42.46                 | 36.84                   | 68.30          | 17.59       | H                  |
| 10523.300       | 50.69                       | -32.99          | 38.27                 | 45.40                   | 68.30          | 17.61       | V                  |
| 10523.900       | 50.44                       | -32.99          | 38.27                 | 45.15                   | 68.30          | 17.86       | V                  |

## Channel 56

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17970.800       | 57.41                       | -25.50          | 46.66                 | 36.25                   | 74.00          | 16.59       | V                  |
| 17975.800       | 57.12                       | -25.50          | 46.66                 | 35.96                   | 74.00          | 16.88       | H                  |
| 14335.400       | 51.19                       | -28.42          | 42.34                 | 37.27                   | 68.30          | 17.11       | V                  |
| 10519.500       | 50.90                       | -32.99          | 38.27                 | 45.61                   | 68.30          | 17.40       | V                  |
| 14406.900       | 50.89                       | -28.59          | 42.46                 | 37.02                   | 68.30          | 17.41       | V                  |
| 10521.100       | 49.79                       | -32.99          | 38.27                 | 44.50                   | 68.30          | 18.51       | V                  |

## Channel 64

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17987.300       | 57.03                       | -25.50          | 46.66                 | 35.87                   | 74.00          | 16.97       | H                  |
| 17985.200       | 56.99                       | -25.50          | 46.66                 | 35.83                   | 74.00          | 17.01       | H                  |
| 14349.100       | 50.97                       | -28.42          | 42.34                 | 37.05                   | 68.30          | 17.33       | H                  |
| 13996.000       | 50.91                       | -29.44          | 41.66                 | 38.69                   | 68.30          | 17.39       | H                  |
| 5350.900        | 69.67                       | -27.43          | 34.01                 | 63.09                   | 74.00          | 4.33        | H                  |
| 5357.600        | 69.64                       | -27.43          | 34.01                 | 63.06                   | 74.00          | 4.36        | H                  |

## Channel 100

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17998.900       | 57.23                       | -25.50          | 46.66                 | 36.07                   | 74.00          | 16.77       | H                  |
| 17995.600       | 57.13                       | -25.50          | 46.66                 | 35.97                   | 74.00          | 16.87       | H                  |
| 11398.900       | 54.81                       | -32.42          | 38.79                 | 48.44                   | 74.00          | 19.19       | H                  |
| 11396.100       | 54.77                       | -32.42          | 38.79                 | 48.40                   | 74.00          | 19.23       | H                  |
| 5459.400        | 57.69                       | -27.18          | 34.17                 | 50.70                   | 74.00          | 16.31       | H                  |
| 5468.800        | 66.89                       | -27.18          | 34.17                 | 59.90                   | 68.30          | 1.41        | H                  |

## Channel 120

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17997.200       | 57.62                       | -25.50          | 46.66                 | 36.46                   | 74.00          | 16.38       | H                  |
| 17885.000       | 57.20                       | -25.50          | 46.66                 | 36.04                   | 74.00          | 16.80       | V                  |
| 11400.500       | 54.31                       | -32.42          | 38.79                 | 47.94                   | 74.00          | 19.69       | H                  |
| 11406.000       | 54.02                       | -32.42          | 38.79                 | 47.65                   | 74.00          | 19.98       | H                  |
| 14302.400       | 51.70                       | -28.42          | 42.34                 | 37.78                   | 68.30          | 16.60       | H                  |
| 14592.200       | 50.98                       | -27.29          | 41.90                 | 36.37                   | 68.30          | 17.32       | H                  |



## Channel 140

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17979.100       | 57.45                       | -25.50          | 46.66                 | 36.29                   | 74.00          | 16.55       | H                  |
| 17971.400       | 57.26                       | -25.50          | 46.66                 | 36.10                   | 74.00          | 16.74       | V                  |
| 11398.900       | 55.40                       | -32.42          | 38.79                 | 49.03                   | 74.00          | 18.60       | H                  |
| 11397.200       | 54.86                       | -32.42          | 38.79                 | 48.49                   | 74.00          | 19.14       | H                  |
| 5727.700        | 67.33                       | -27.07          | 34.31                 | 60.09                   | 68.30          | 0.97        | H                  |
| 5725.000        | 65.72                       | -27.07          | 34.31                 | 58.48                   | 68.30          | 2.58        | H                  |

**802.11ac-HT40**

## Channel 38

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17979.100       | 58.89                       | -25.50          | 46.66                 | 37.73                   | 74.00          | 15.11       | V                  |
| 17961.000       | 57.49                       | -25.50          | 46.66                 | 36.33                   | 74.00          | 16.51       | H                  |
| 10382.500       | 55.22                       | -33.22          | 38.19                 | 50.25                   | 68.30          | 13.08       | H                  |
| 10375.900       | 54.27                       | -33.22          | 38.19                 | 49.30                   | 68.30          | 14.03       | H                  |
| 5149.100        | 73.39                       | -27.61          | 33.67                 | 67.33                   | 74.00          | 0.61        | H                  |
| 5149.600        | 72.52                       | -27.61          | 33.67                 | 66.46                   | 74.00          | 1.48        | H                  |

## Channel 46

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17978.000       | 57.18                       | -25.50          | 46.66                 | 36.02                   | 74.00          | 16.82       | H                  |
| 17968.700       | 57.17                       | -25.50          | 46.66                 | 36.01                   | 74.00          | 16.83       | V                  |
| 14455.200       | 52.24                       | -28.59          | 42.46                 | 38.37                   | 68.30          | 16.06       | V                  |
| 14493.800       | 51.80                       | -28.59          | 42.46                 | 37.93                   | 74.00          | 22.20       | H                  |
| 10454.500       | 51.04                       | -33.22          | 38.19                 | 46.07                   | 68.30          | 17.26       | H                  |
| 10454.000       | 51.03                       | -33.22          | 38.19                 | 46.06                   | 68.30          | 17.27       | H                  |

## Channel 54

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17995.600       | 57.51                       | -25.50          | 46.66                 | 36.35                   | 74.00          | 16.49       | H                  |
| 17981.800       | 57.38                       | -25.50          | 46.66                 | 36.22                   | 74.00          | 16.62       | V                  |
| 10527.100       | 51.31                       | -32.99          | 38.27                 | 46.02                   | 68.30          | 16.99       | H                  |
| 10528.200       | 51.28                       | -32.99          | 38.27                 | 45.99                   | 68.30          | 17.02       | H                  |
| 14724.800       | 50.78                       | -28.32          | 41.35                 | 37.76                   | 68.30          | 17.52       | V                  |
| 14420.000       | 50.74                       | -28.59          | 42.46                 | 36.87                   | 68.30          | 17.56       | H                  |

## Channel 62

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17952.700       | 57.74                       | -25.50          | 46.66                 | 36.58                   | 74.00          | 16.26       | V                  |
| 17989.000       | 57.19                       | -25.50          | 46.66                 | 36.03                   | 74.00          | 16.81       | H                  |
| 14308.400       | 51.18                       | -28.42          | 42.34                 | 37.26                   | 68.30          | 17.12       | H                  |
| 14430.000       | 51.12                       | -28.59          | 42.46                 | 37.25                   | 68.30          | 17.18       | V                  |
| 5351.400        | 70.94                       | -27.43          | 34.01                 | 64.36                   | 74.00          | 3.06        | H                  |
| 5351.200        | 70.10                       | -27.43          | 34.01                 | 63.52                   | 74.00          | 3.90        | H                  |

## Channel 102

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17919.700       | 57.34                       | -25.50          | 46.66                 | 36.18                   | 74.00          | 16.66       | V                  |
| 17986.800       | 57.05                       | -25.50          | 46.66                 | 35.89                   | 74.00          | 16.95       | V                  |
| 14389.200       | 50.53                       | -28.42          | 42.34                 | 36.61                   | 68.30          | 17.77       | H                  |
| 14320.000       | 50.46                       | -28.42          | 42.34                 | 36.54                   | 68.30          | 17.84       | H                  |
| 5455.300        | 53.85                       | -27.18          | 34.17                 | 46.86                   | 74.00          | 20.15       | H                  |
| 5463.400        | 59.46                       | -27.18          | 34.17                 | 52.47                   | 68.30          | 8.84        | H                  |

## Channel 118

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17941.200       | 57.05                       | -25.50          | 46.66                 | 35.89                   | 74.00          | 16.95       | V                  |
| 17998.300       | 56.94                       | -25.50          | 46.66                 | 35.78                   | 74.00          | 17.06       | H                  |
| 14490.500       | 51.17                       | -28.59          | 42.46                 | 37.30                   | 74.00          | 22.83       | V                  |
| 14484.400       | 51.10                       | -28.59          | 42.46                 | 37.23                   | 74.00          | 22.90       | H                  |
| 11824.000       | 46.31                       | -31.85          | 39.05                 | 39.11                   | 74.00          | 27.69       | H                  |
| 11412.600       | 46.08                       | -32.42          | 38.79                 | 39.71                   | 74.00          | 27.92       | V                  |

## Channel 134

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17992.300       | 57.54                       | -25.50          | 46.66                 | 36.38                   | 74.00          | 16.46       | V                  |
| 17925.800       | 56.89                       | -25.50          | 46.66                 | 35.73                   | 74.00          | 17.11       | V                  |
| 14257.200       | 51.30                       | -28.42          | 42.34                 | 37.38                   | 68.30          | 17.00       | H                  |
| 14322.100       | 51.04                       | -28.42          | 42.34                 | 37.12                   | 68.30          | 17.26       | V                  |
| 5725.600        | 62.77                       | -27.07          | 34.31                 | 55.53                   | 68.30          | 5.53        | H                  |
| 5725.100        | 62.41                       | -27.07          | 34.31                 | 55.17                   | 68.30          | 5.89        | H                  |

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## Channel 42

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17972.500       | 57.78                       | -25.50          | 46.66                 | 36.62                   | 74.00          | 16.22       | V                  |
| 17946.100       | 57.16                       | -25.50          | 46.66                 | 36.00                   | 74.00          | 16.84       | V                  |
| 14684.600       | 51.93                       | -28.32          | 41.35                 | 38.91                   | 68.30          | 16.37       | V                  |
| 14699.500       | 51.40                       | -28.32          | 41.35                 | 38.38                   | 68.30          | 16.90       | H                  |
| 5144.600        | 70.02                       | -27.61          | 33.67                 | 63.96                   | 74.00          | 3.98        | H                  |
| 5149.800        | 69.62                       | -27.61          | 33.67                 | 63.56                   | 74.00          | 4.38        | H                  |

## Channel 58

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17989.500       | 58.26                       | -25.50          | 46.66                 | 37.10                   | 74.00          | 15.74       | H                  |
| 17994.500       | 57.44                       | -25.50          | 46.66                 | 36.28                   | 74.00          | 16.56       | H                  |
| 14430.000       | 51.27                       | -28.59          | 42.46                 | 37.40                   | 68.30          | 17.03       | H                  |
| 14735.200       | 50.99                       | -28.32          | 41.35                 | 37.97                   | 68.30          | 17.31       | V                  |
| 5350.300        | 71.09                       | -27.43          | 34.01                 | 64.51                   | 74.00          | 2.91        | H                  |
| 5352.600        | 69.52                       | -27.43          | 34.01                 | 62.94                   | 74.00          | 4.48        | H                  |

## Channel 106

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17976.900       | 57.15                       | -25.50          | 46.66                 | 35.99                   | 74.00          | 16.85       | H                  |
| 17997.800       | 56.80                       | -25.50          | 46.66                 | 35.64                   | 74.00          | 17.20       | H                  |
| 14461.300       | 50.57                       | -28.59          | 42.46                 | 36.70                   | 68.30          | 17.73       | H                  |
| 14606.000       | 50.55                       | -27.29          | 41.90                 | 35.94                   | 68.30          | 17.75       | H                  |
| 5448.400        | 64.50                       | -27.18          | 34.17                 | 57.51                   | 74.00          | 9.50        | H                  |
| 5465.700        | 66.27                       | -27.18          | 34.17                 | 59.28                   | 68.30          | 2.03        | H                  |

## Channel 122

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17976.900       | 57.07                       | -25.50          | 46.66                 | 35.91                   | 74.00          | 16.93       | H                  |
| 17989.000       | 56.81                       | -25.50          | 46.66                 | 35.65                   | 74.00          | 17.19       | H                  |
| 14597.700       | 50.68                       | -27.29          | 41.90                 | 36.07                   | 68.30          | 17.62       | H                  |
| 14396.400       | 50.62                       | -28.59          | 42.46                 | 36.75                   | 68.30          | 17.68       | H                  |
| 5728.100        | 56.54                       | -27.07          | 34.31                 | 49.30                   | 68.30          | 11.76       | H                  |
| 5734.400        | 55.42                       | -27.07          | 34.31                 | 48.18                   | 68.30          | 12.88       | H                  |

### A.7. AC Powerline Conducted Emission (150kHz- 30MHz)

**Test Condition:**

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120         | 60             |

**Measurement uncertainty:**

Expanded measurement uncertainty for this test item is  $U = 3.10\text{dB}$ ,  $k=2$ .

**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

| Frequency range (MHz) | Quasi-peak Limit (dB $\mu$ V) | Result (dB $\mu$ V) |        | Conclusion |
|-----------------------|-------------------------------|---------------------|--------|------------|
|                       |                               | With charger AE2    |        |            |
|                       |                               | 802.11a             | Idle   |            |
| 0.15 to 0.5           | 66 to 56                      | Fig.58              | Fig.59 | <b>P</b>   |
| 0.5 to 5              | 56                            |                     |        |            |
| 5 to 30               | 60                            |                     |        |            |

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

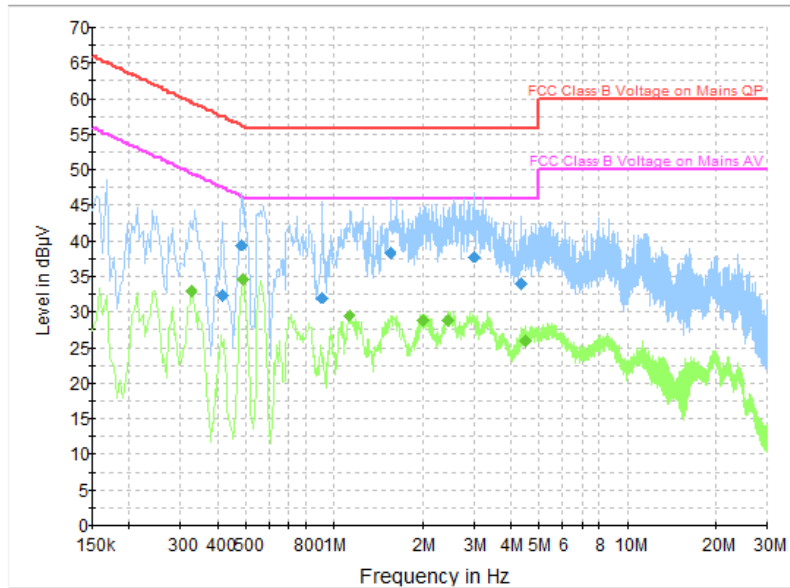
| Frequency range (MHz) | Average Limit (dB $\mu$ V) | Result (dB $\mu$ V) |        | Conclusion |
|-----------------------|----------------------------|---------------------|--------|------------|
|                       |                            | With charger AE2    |        |            |
|                       |                            | 802.11a             | Idle   |            |
| 0.15 to 0.5           | 67 56 to 46                | Fig.58              | Fig.59 | <b>P</b>   |
| 0.5 to 5              | 46                         |                     |        |            |
| 5 to 30               | 50                         |                     |        |            |

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

**Conclusion: PASS**

Test graphs as below:

**Traffic:**



**Fig.58 Conducted Emission (802.11a, Ch36, TX)**

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

**Final Result 1**

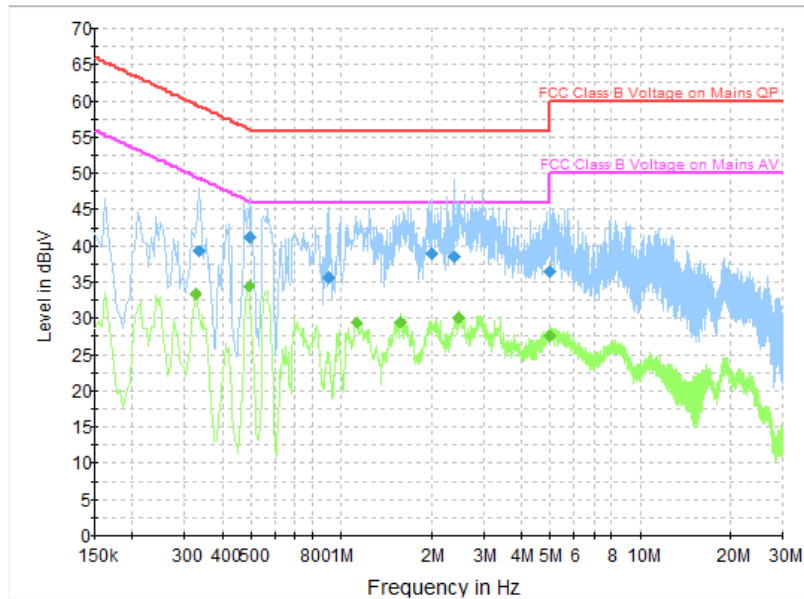
| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.415500        | 32.4             | 1000.0          | 9.000           | On     | N    | 19.9       | 25.2        | 57.5         |
| 0.483000        | 39.5             | 1000.0          | 9.000           | On     | N    | 20.0       | 16.8        | 56.3         |
| 0.910500        | 32.1             | 1000.0          | 9.000           | On     | N    | 19.8       | 23.9        | 56.0         |
| 1.549500        | 38.4             | 1000.0          | 9.000           | On     | N    | 19.7       | 17.6        | 56.0         |
| 3.012000        | 37.8             | 1000.0          | 9.000           | On     | N    | 19.7       | 18.2        | 56.0         |
| 4.362000        | 34.0             | 1000.0          | 9.000           | On     | N    | 19.7       | 22.0        | 56.0         |

**Final Result 2**

| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.325500        | 33.0             | 1000.0          | 9.000           | On     | L1   | 19.9       | 16.5        | 49.6         |
| 0.487500        | 34.7             | 1000.0          | 9.000           | On     | L1   | 19.9       | 11.5        | 46.2         |
| 1.126500        | 29.5             | 1000.0          | 9.000           | On     | L1   | 19.5       | 16.5        | 46.0         |
| 2.004000        | 28.9             | 1000.0          | 9.000           | On     | N    | 19.7       | 17.1        | 46.0         |
| 2.440500        | 29.0             | 1000.0          | 9.000           | On     | N    | 19.7       | 17.0        | 46.0         |
| 4.515000        | 26.0             | 1000.0          | 9.000           | On     | L1   | 19.6       | 20.0        | 46.0         |

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

Idle:



**Fig.59 Conducted Emission(802.11a, IDLE)**

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

### Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.334500        | 39.2             | 1000.0          | 9.000           | On     | N    | 19.9       | 20.1        | 59.3         |
| 0.496500        | 41.2             | 1000.0          | 9.000           | On     | N    | 20.0       | 14.8        | 56.1         |
| 0.910500        | 35.6             | 1000.0          | 9.000           | On     | N    | 19.8       | 20.4        | 56.0         |
| 1.999500        | 39.0             | 1000.0          | 9.000           | On     | N    | 19.7       | 17.0        | 56.0         |
| 2.391000        | 38.4             | 1000.0          | 9.000           | On     | N    | 19.8       | 17.6        | 56.0         |
| 4.969500        | 36.4             | 1000.0          | 9.000           | On     | N    | 19.7       | 19.6        | 56.0         |

### Final Result 2

| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.325500        | 33.3             | 1000.0          | 9.000           | On     | L1   | 19.9       | 16.3        | 49.6         |
| 0.492000        | 34.5             | 1000.0          | 9.000           | On     | L1   | 19.9       | 11.6        | 46.1         |
| 1.126500        | 29.3             | 1000.0          | 9.000           | On     | L1   | 19.5       | 16.7        | 46.0         |
| 1.576500        | 29.5             | 1000.0          | 9.000           | On     | N    | 19.7       | 16.5        | 46.0         |
| 2.472000        | 30.0             | 1000.0          | 9.000           | On     | N    | 19.7       | 16.0        | 46.0         |
| 4.983000        | 27.6             | 1000.0          | 9.000           | On     | N    | 19.7       | 18.4        | 46.0         |

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

### A.8. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

- 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 bandwidth.
- 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).

#### Measurement Uncertainty:

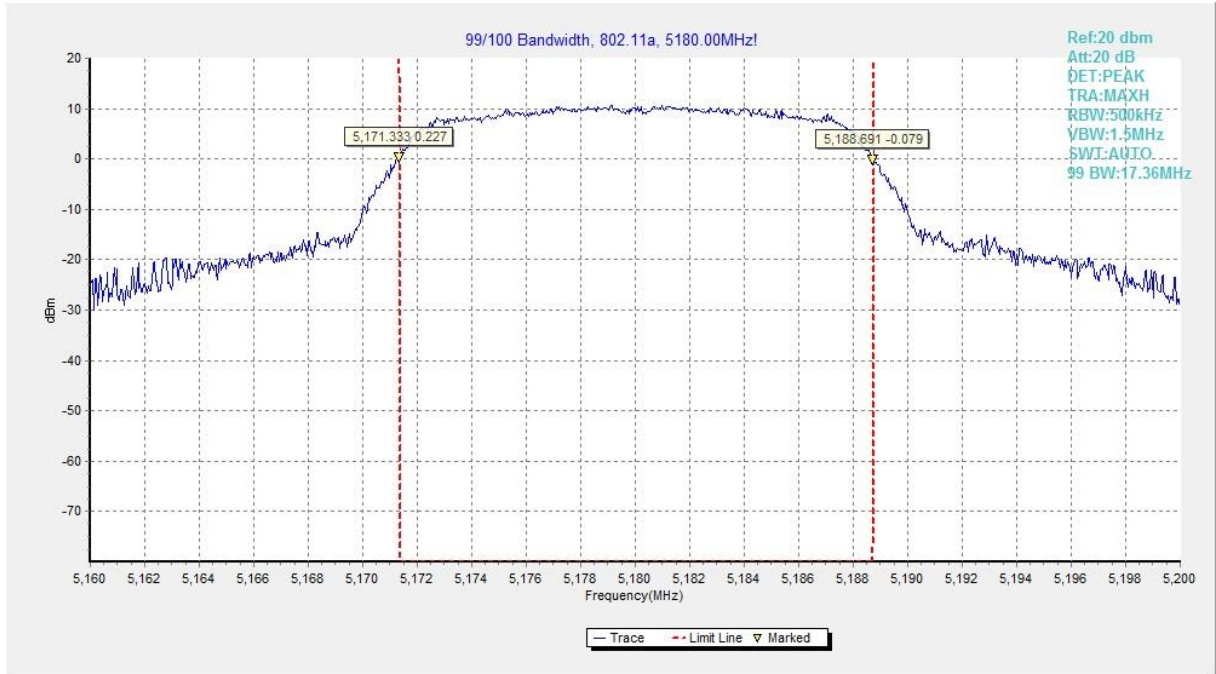
|                         |         |
|-------------------------|---------|
| Measurement Uncertainty | 60.80Hz |
|-------------------------|---------|

#### Measurement Result:

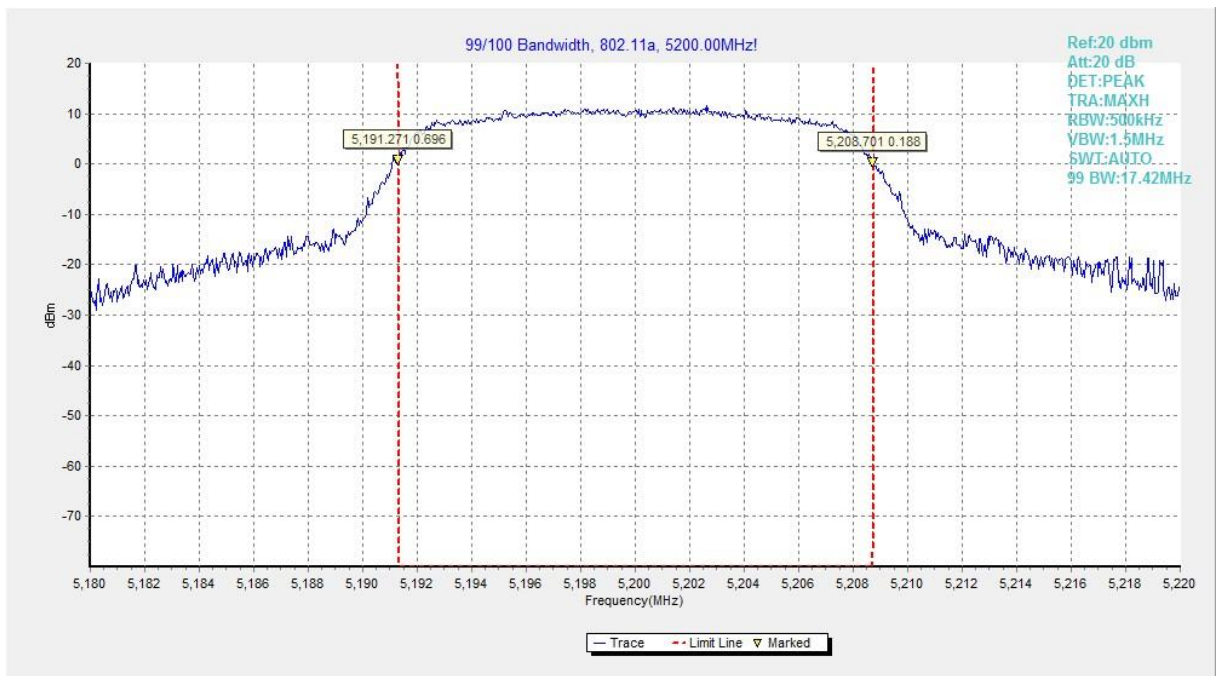
| Mode             | Frequency | 99% Occupied bandwidth ( MHz) |       | conclusion |
|------------------|-----------|-------------------------------|-------|------------|
| 802.11a          | 5180 MHz  | Fig.60                        | 17.36 | P          |
|                  | 5200 MHz  | Fig.61                        | 17.42 | P          |
|                  | 5240 MHz  | Fig.62                        | 17.34 | P          |
| 802.11n<br>HT20  | 5180 MHz  | Fig.63                        | 18.25 | P          |
|                  | 5200 MHz  | Fig.64                        | 18.24 | P          |
|                  | 5240 MHz  | Fig.65                        | 18.24 | P          |
| 802.11n<br>HT40  | 5190 MHz  | Fig.66                        | 36.19 | P          |
|                  | 5230 MHz  | Fig.67                        | 36.20 | P          |
| 802.11ac<br>HT80 | 5210 MHz  | Fig.68                        | 75.35 | P          |



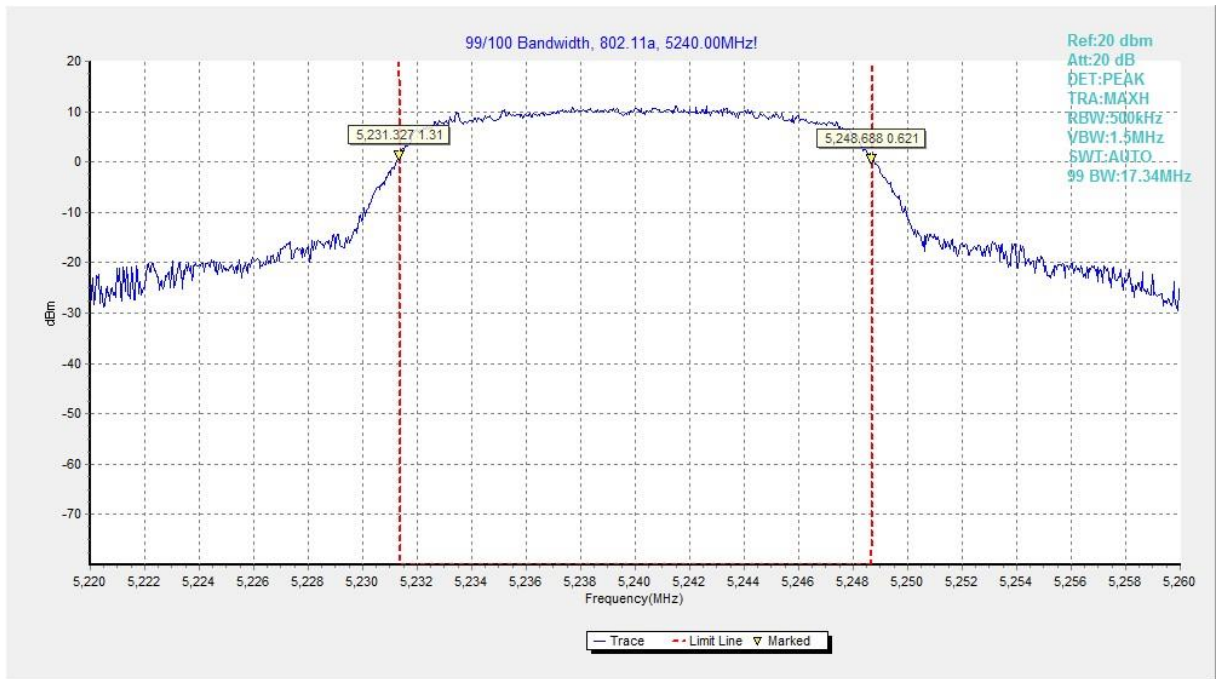
**Conclusion: PASS**  
**Test graphs as below:**



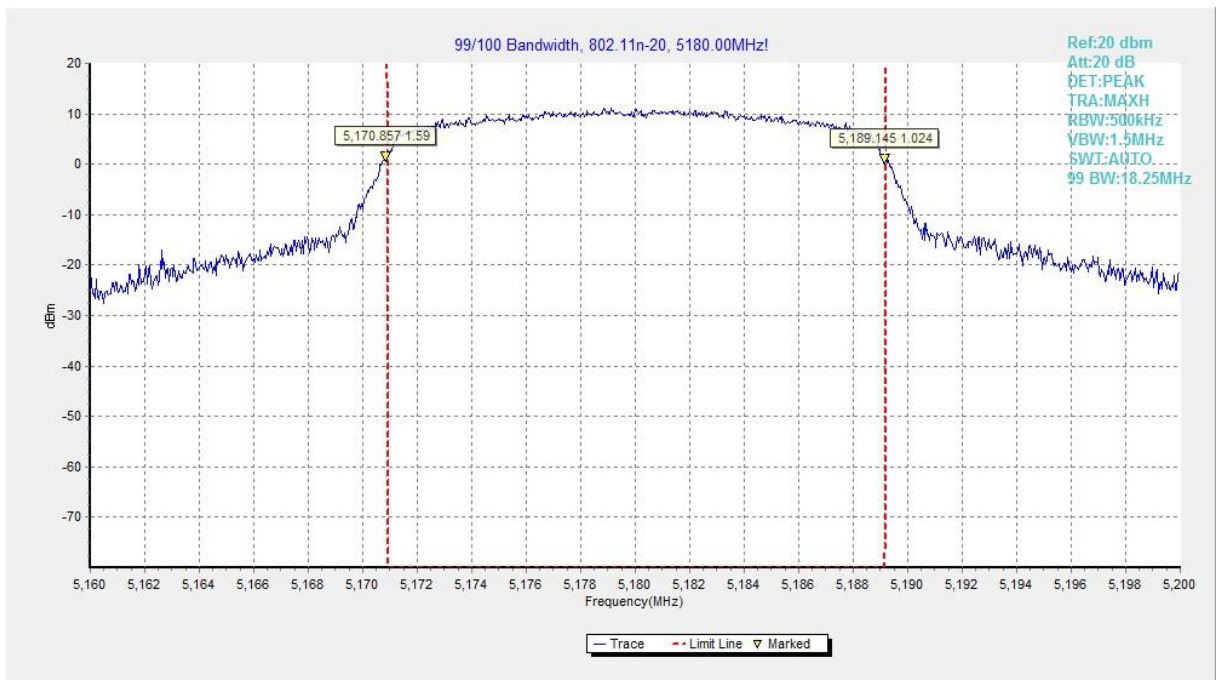
**Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)**



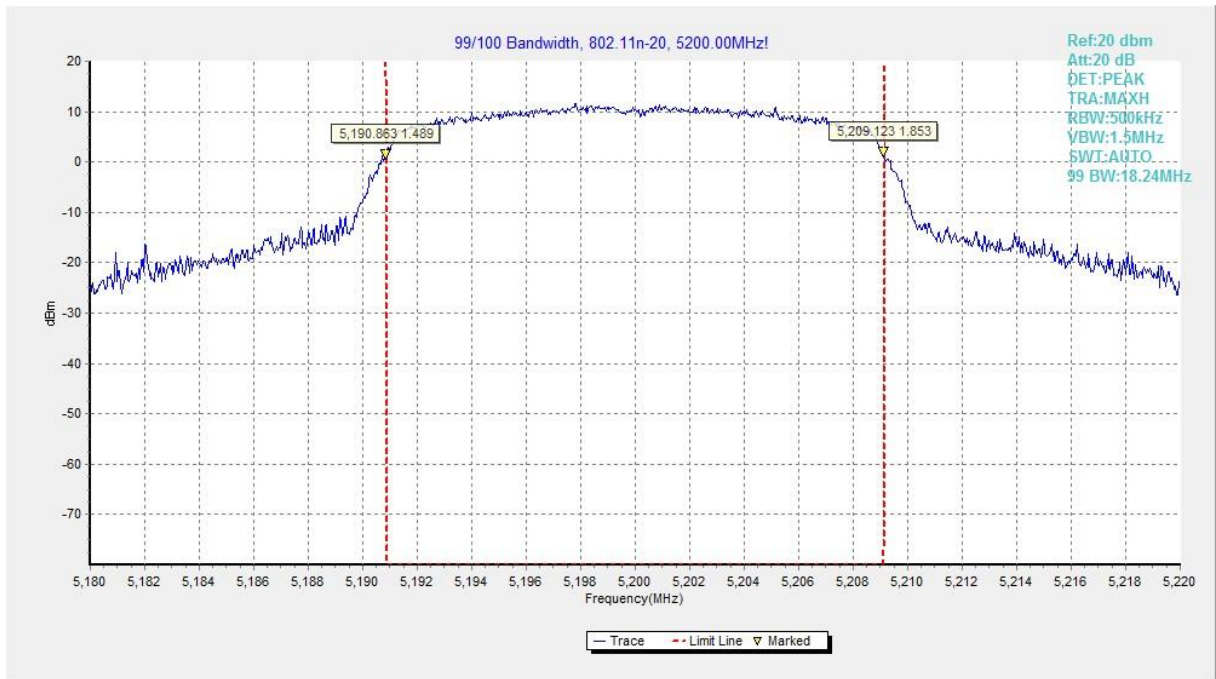
**Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)**



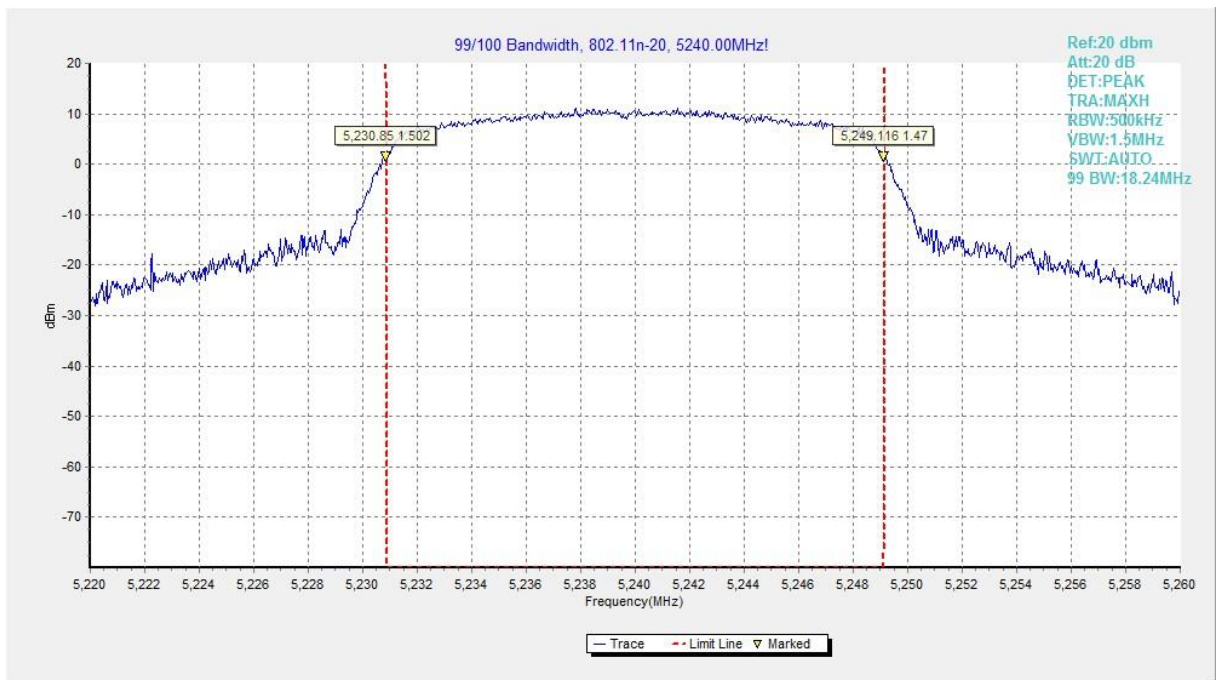
**Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)**



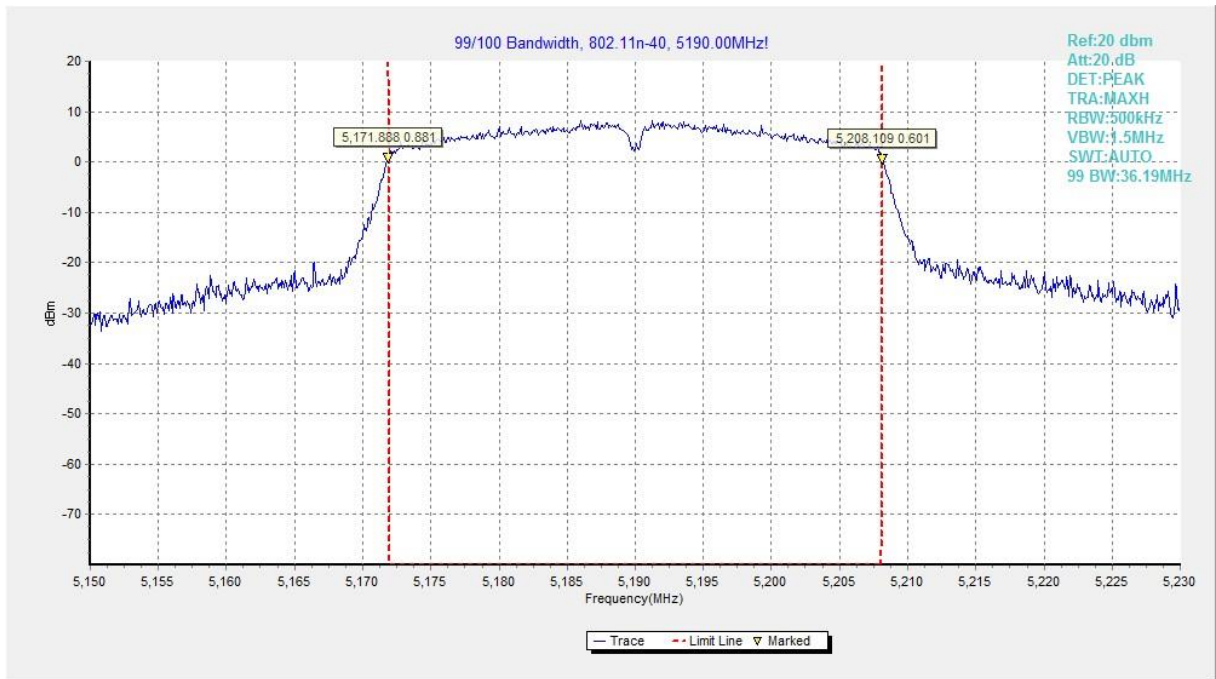
**Fig.63 99% Occupied bandwidth (802.11n-HT20, 5180MHz)**



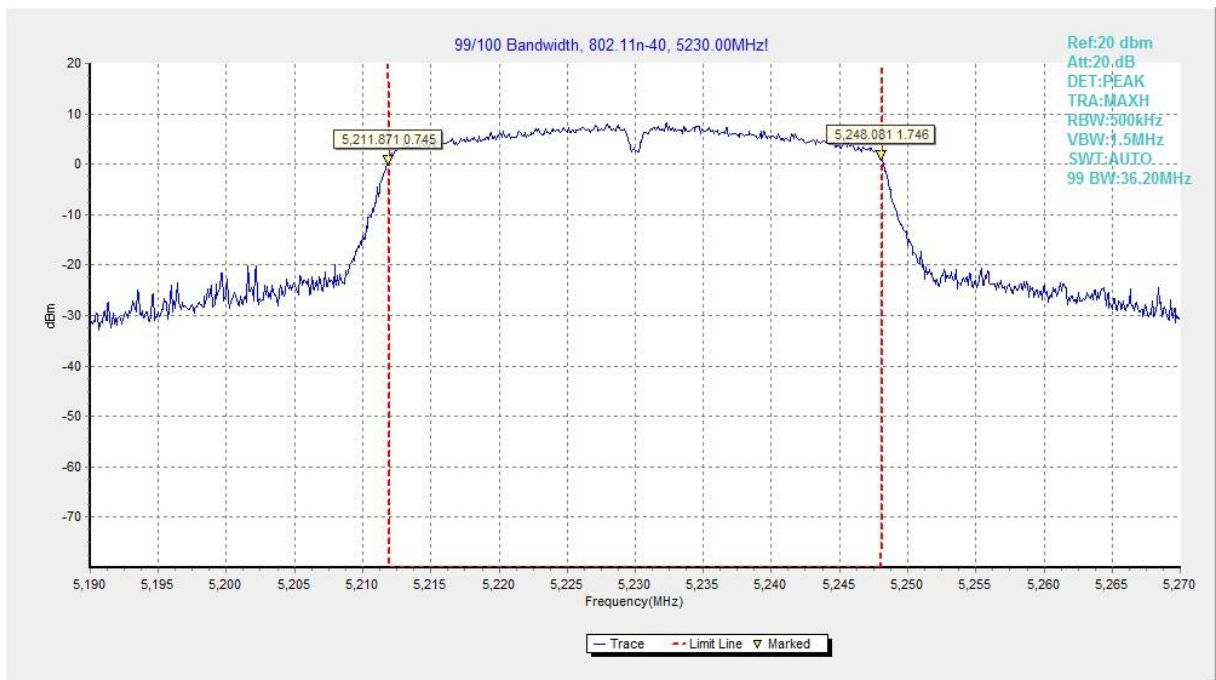
**Fig.64 99% Occupied bandwidth (802.11n-HT20, 5200MHz)**



**Fig.65 99% Occupied bandwidth (802.11n-HT20, 5240MHz)**

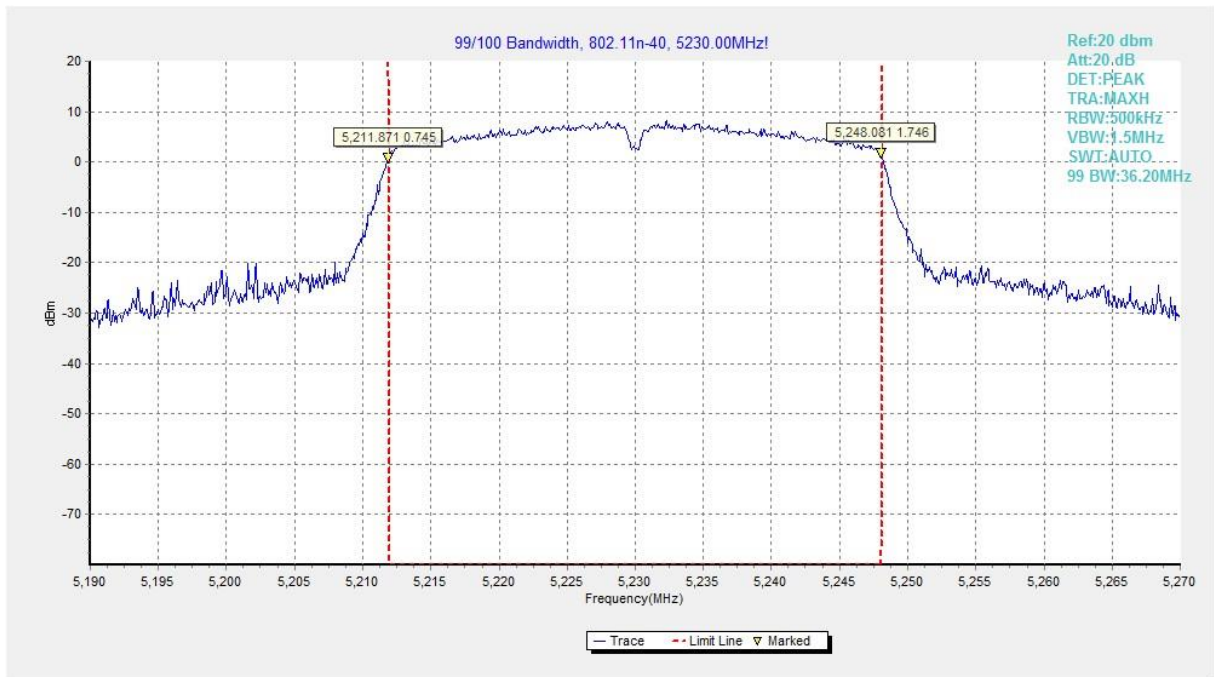


**Fig.66 99% Occupied bandwidth (802.11n-HT40, 5190MHz)**



**Fig.67 99% Occupied bandwidth (802.11n-HT40, 5230MHz)**





**Fig.68 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)**




## A.9. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500 mW).

## ANNEX B: EUT parameters

Disclaimer: The worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

## ANNEX C: Accreditation Certificate

|  |  |
|--|--|
| <p>United States Department of Commerce<br/>National Institute of Standards and Technology</p>    |  |
| <hr/> <h3>Certificate of Accreditation to ISO/IEC 17025:2017</h3> <hr/>  |  |
| <p>NVLAP LAB CODE: 600118-0</p>  |  |
| <p><b>Telecommunication Technology Labs, CAICT</b><br/>Beijing<br/>China</p>   |  |
| <p><i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services,<br/>listed on the Scope of Accreditation, for:</i></p>   |  |
| <p><b>Electromagnetic Compatibility &amp; Telecommunications</b></p>   |  |
| <p><i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.<br/>This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality<br/>management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i></p> |  |
| <hr/> <p>2020-09-29 through 2021-09-30<br/><i>Effective Dates</i></p>  | <br><hr/> <p><i>[Signature]</i><br/>For the National Voluntary Laboratory Accreditation Program</p> |

\*\*\* END OF REPORT BODY \*\*\*