

Fig.51 Band Edges (802.11ac-HT40 Ch62, 5310MHz)

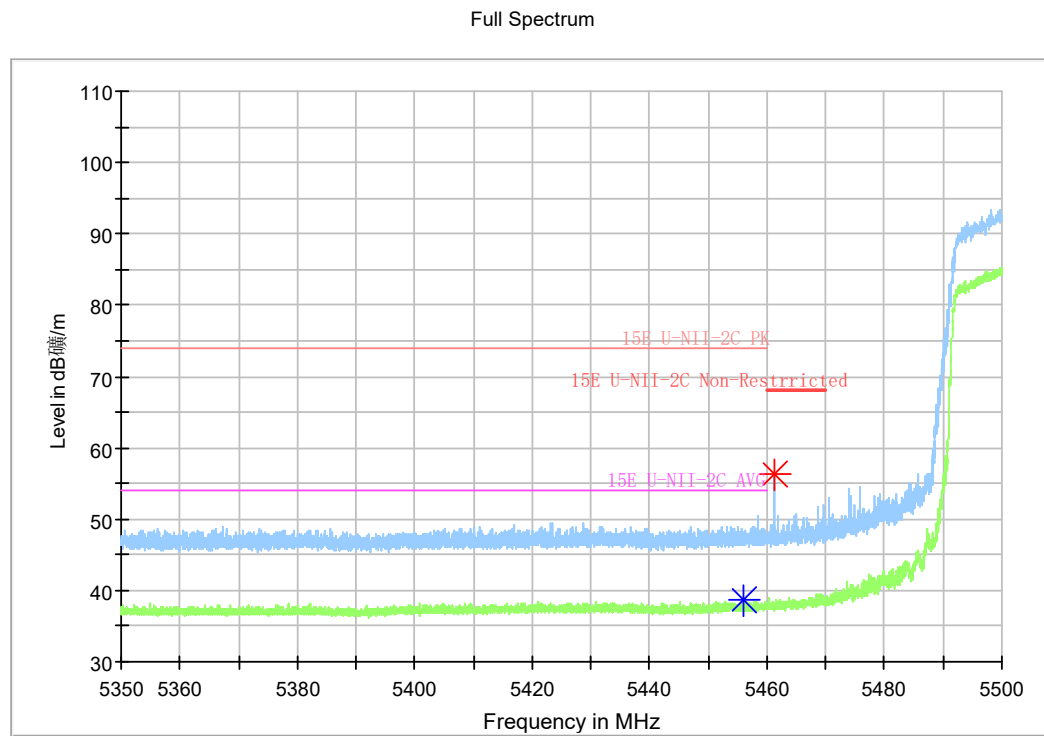


Fig.52 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

Full Spectrum

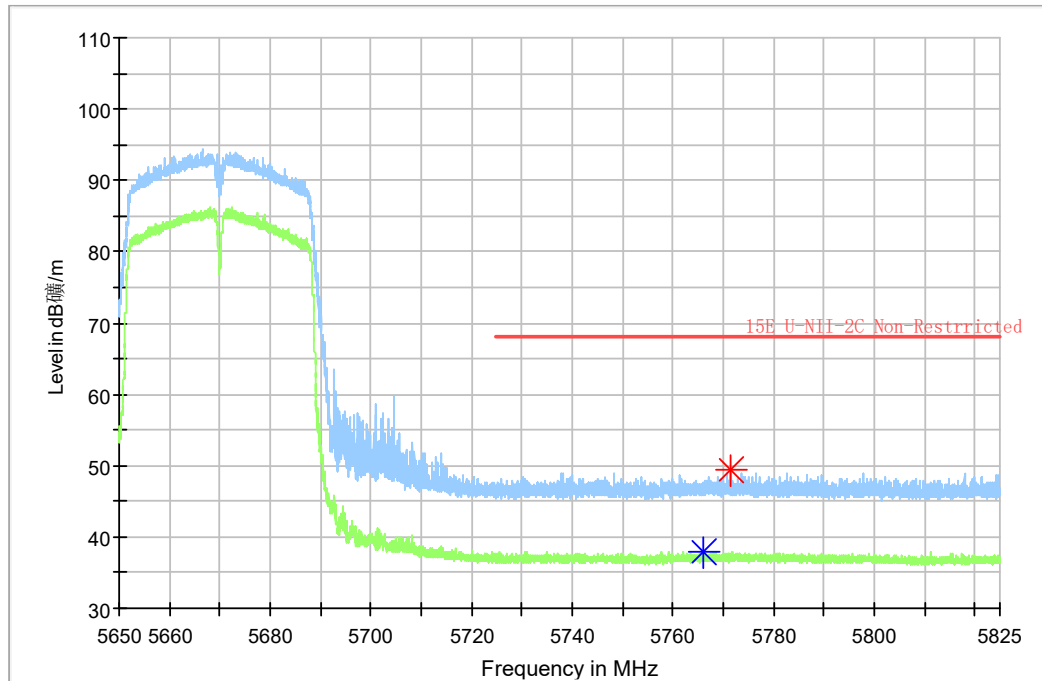


Fig.53 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

Full Spectrum

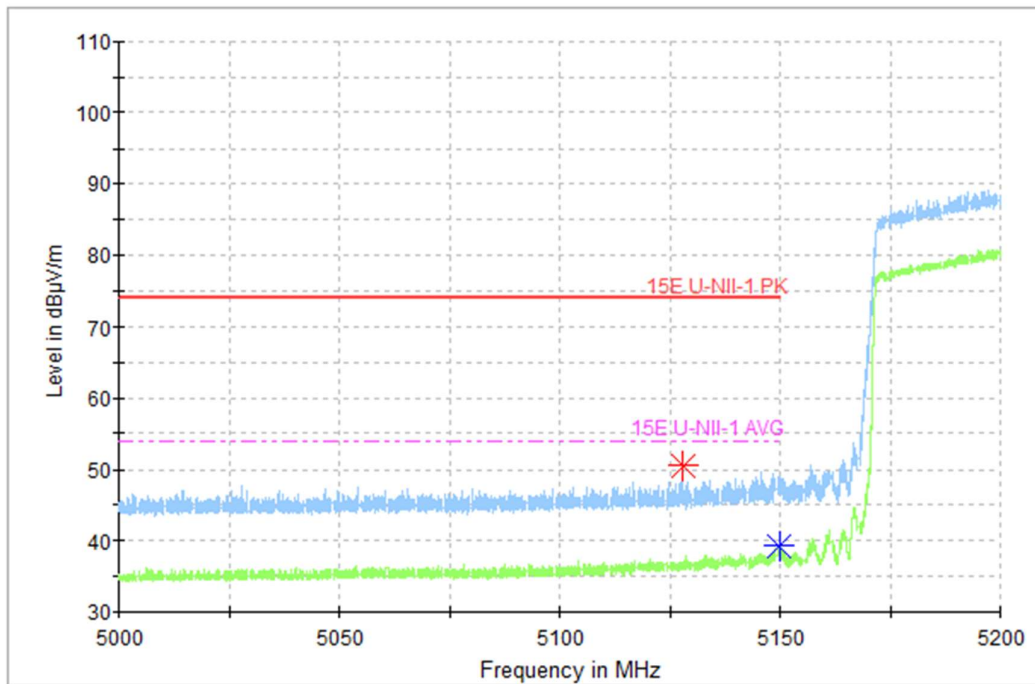


Fig.54 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

Full Spectrum

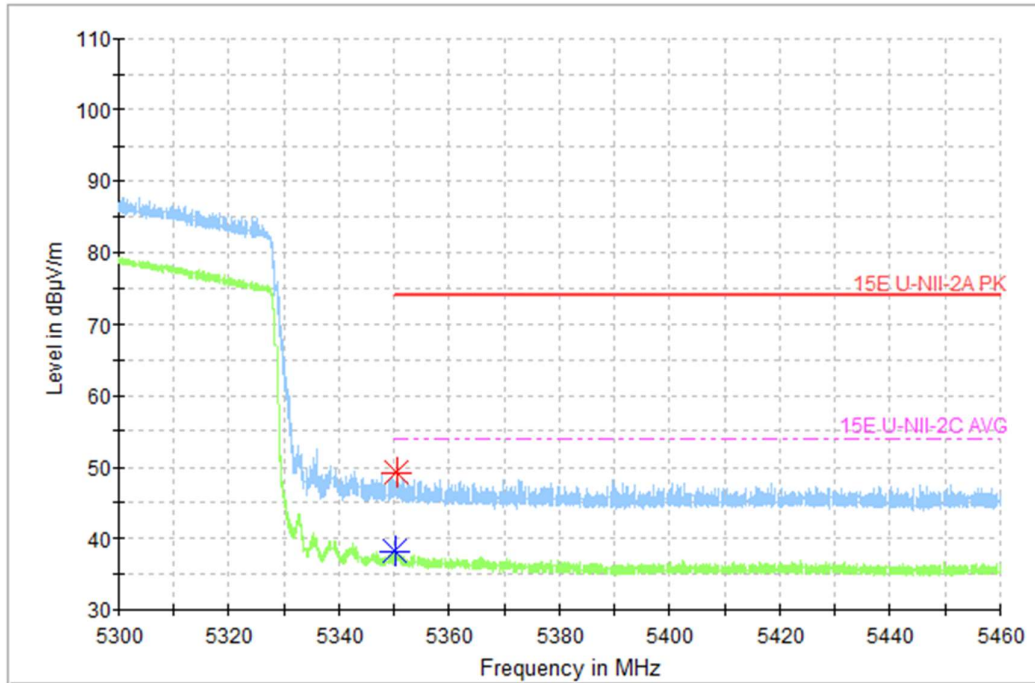


Fig.55 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

Full Spectrum

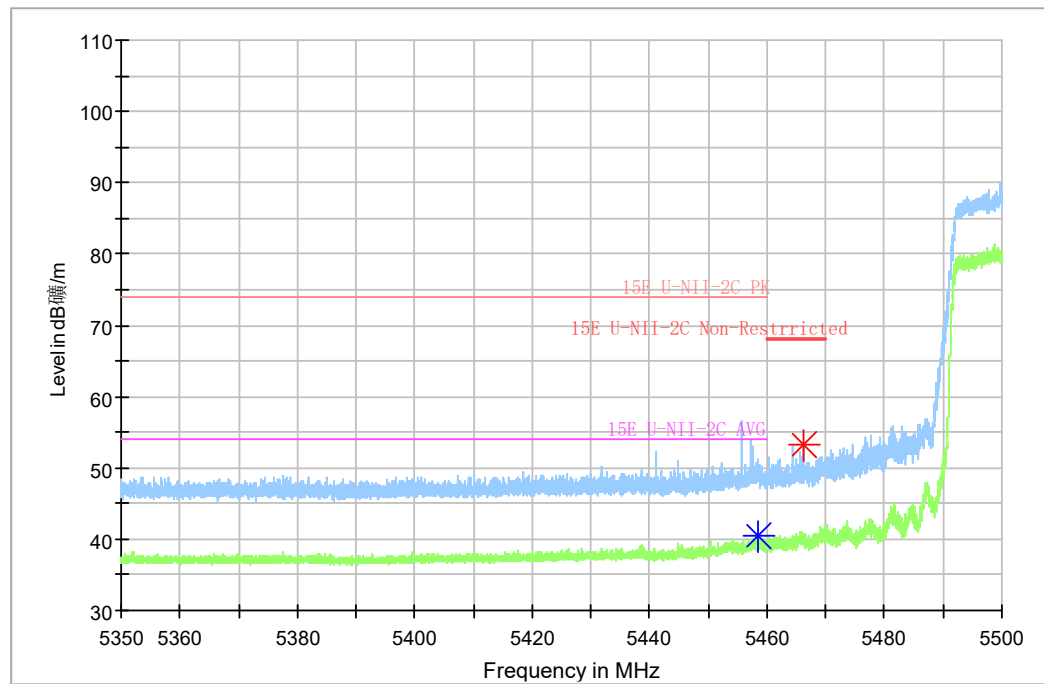


Fig.56 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

Full Spectrum

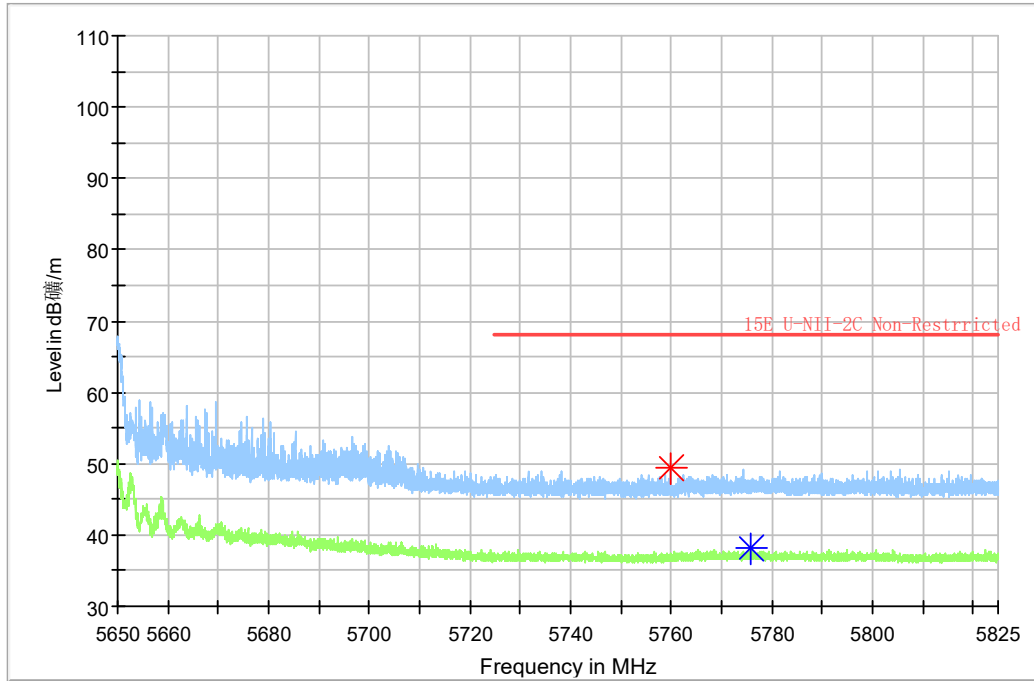


Fig.57 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

A.6. Transmitter Spurious Emission

Measurement Limit:

| Standard | Limit |
|------------------------|--------------|
| FCC 47 CFR Part 15.407 | -27 dBm/MHz |

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

| Frequency of emission (MHz) | Field strength(dB μ V/m) | Measurement distance(m) |
|-----------------------------|------------------------------|-------------------------|
| 30-88 | 40.0 | 3 |
| 88-216 | 43.5 | 3 |
| 216-960 | 46.0 | 3 |
| Above 960 | 54.0 | 3 |

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

Measurement Results:

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result= $P_{Mea}+A_{Rpl}= P_{Mea}+Cable Loss+Antenna Factor$

Average 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17963.700 | 38.26 | -29.59 | 45.95 | 21.90 | 54.00 | 15.74 | H |
| 17950.500 | 38.10 | -29.59 | 45.95 | 21.74 | 54.00 | 15.90 | H |
| 14479.450 | 32.49 | -29.56 | 41.90 | 20.15 | 54.00 | 21.51 | V |
| 14473.400 | 32.42 | -29.56 | 41.90 | 20.08 | 54.00 | 21.58 | V |
| 5149.560 | 37.67 | -28.00 | 34.00 | 31.67 | 54.00 | 16.33 | V |
| 5148.760 | 37.65 | -28.00 | 34.00 | 31.65 | 54.00 | 16.35 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17836.100 | 38.57 | -29.59 | 45.95 | 22.21 | 54.00 | 15.43 | V |
| 17940.050 | 38.56 | -29.59 | 45.95 | 22.20 | 54.00 | 15.44 | V |
| 14478.900 | 33.45 | -29.56 | 41.90 | 21.11 | 54.00 | 20.55 | H |
| 14497.050 | 33.40 | -29.56 | 41.90 | 21.06 | 54.00 | 20.60 | H |
| 11899.950 | 31.54 | -32.53 | 39.10 | 24.97 | 54.00 | 22.46 | H |
| 11871.350 | 31.45 | -32.73 | 39.15 | 25.03 | 54.00 | 22.55 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17929.050 | 38.67 | -29.59 | 45.95 | 22.31 | 54.00 | 15.33 | H |
| 17949.950 | 38.63 | -29.59 | 45.95 | 22.27 | 54.00 | 15.37 | H |
| 14476.700 | 33.50 | -29.56 | 41.90 | 21.16 | 54.00 | 20.50 | V |
| 14481.650 | 33.44 | -29.56 | 41.90 | 21.10 | 54.00 | 20.56 | V |
| 11907.650 | 31.30 | -32.53 | 39.10 | 24.73 | 54.00 | 22.70 | H |
| 11863.650 | 31.29 | -32.73 | 39.15 | 24.87 | 54.00 | 22.71 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17970.850 | 34.98 | -29.59 | 45.95 | 18.62 | 54.00 | 19.02 | V |
| 17926.300 | 34.96 | -29.59 | 45.95 | 18.60 | 54.00 | 19.04 | V |
| 13298.050 | 32.41 | -31.40 | 40.60 | 23.21 | 54.00 | 21.59 | H |
| 13268.350 | 32.10 | -31.40 | 40.60 | 22.90 | 54.00 | 21.90 | V |
| 11404.400 | 31.88 | -32.58 | 39.00 | 25.46 | 54.00 | 22.12 | V |
| 11399.450 | 31.64 | -32.58 | 39.00 | 25.22 | 54.00 | 22.36 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17892.200 | 35.21 | -29.59 | 45.95 | 18.85 | 54.00 | 18.79 | H |
| 17975.800 | 34.85 | -29.59 | 45.95 | 18.49 | 54.00 | 19.15 | H |
| 13292.000 | 32.33 | -31.40 | 40.60 | 23.13 | 54.00 | 21.67 | V |
| 13298.050 | 32.25 | -31.40 | 40.60 | 23.05 | 54.00 | 21.75 | V |
| 10741.100 | 31.81 | -33.62 | 38.40 | 27.03 | 54.00 | 22.19 | V |
| 11395.600 | 31.81 | -32.58 | 39.00 | 25.39 | 54.00 | 22.19 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17887.250 | 35.18 | -29.59 | 45.95 | 18.82 | 54.00 | 18.82 | V |
| 17875.700 | 35.07 | -29.59 | 45.95 | 18.71 | 54.00 | 18.93 | V |
| 13278.800 | 32.53 | -31.40 | 40.60 | 23.33 | 54.00 | 21.47 | V |
| 13294.200 | 32.45 | -31.40 | 40.60 | 23.25 | 54.00 | 21.55 | H |
| 5358.640 | 36.88 | -27.82 | 34.20 | 30.50 | 54.00 | 17.12 | V |
| 5351.552 | 36.83 | -27.82 | 34.20 | 30.45 | 54.00 | 17.17 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17898.800 | 36.12 | -29.59 | 45.95 | 19.76 | 54.00 | 17.88 | H |
| 17873.500 | 36.08 | -29.59 | 45.95 | 19.72 | 54.00 | 17.92 | H |
| 13259.000 | 34.24 | -31.62 | 40.50 | 25.36 | 54.00 | 19.76 | V |
| 13297.500 | 33.83 | -31.40 | 40.60 | 24.63 | 54.00 | 20.17 | V |
| 5421.640 | 39.34 | -27.94 | 34.30 | 32.98 | 54.00 | 14.66 | H |
| 5457.655 | 39.22 | -27.49 | 34.20 | 32.51 | 54.00 | 14.78 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17877.900 | 36.41 | -29.59 | 45.95 | 20.05 | 54.00 | 17.59 | V |
| 17874.600 | 36.25 | -29.59 | 45.95 | 19.89 | 54.00 | 17.75 | V |
| 13285.950 | 33.87 | -31.40 | 40.60 | 24.67 | 54.00 | 20.13 | V |
| 13266.700 | 33.67 | -31.62 | 40.50 | 24.79 | 54.00 | 20.33 | V |
| 11404.950 | 33.56 | -32.58 | 39.00 | 27.14 | 54.00 | 20.44 | H |
| 11395.050 | 33.20 | -32.58 | 39.00 | 26.78 | 54.00 | 20.80 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17928.500 | 38.25 | -29.59 | 45.95 | 21.89 | 54.00 | 15.75 | V |
| 17952.700 | 38.23 | -29.59 | 45.95 | 21.87 | 54.00 | 15.77 | H |
| 14478.350 | 32.80 | -29.56 | 41.90 | 20.46 | 54.00 | 21.20 | H |
| 14481.100 | 32.78 | -29.56 | 41.90 | 20.44 | 54.00 | 21.22 | V |
| 5146.460 | 36.89 | -27.79 | 34.00 | 30.68 | 54.00 | 17.11 | V |
| 5142.040 | 36.83 | -27.79 | 34.00 | 30.62 | 54.00 | 17.17 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17958.200 | 38.72 | -29.59 | 45.95 | 22.36 | 54.00 | 15.28 | V |
| 17951.050 | 38.32 | -29.59 | 45.95 | 21.96 | 54.00 | 15.68 | H |
| 14480.000 | 33.30 | -29.56 | 41.90 | 20.96 | 54.00 | 20.70 | V |
| 14472.850 | 33.27 | -29.56 | 41.90 | 20.93 | 54.00 | 20.73 | H |
| 11890.600 | 31.17 | -32.53 | 39.10 | 24.60 | 54.00 | 22.83 | V |
| 11919.750 | 31.06 | -32.53 | 39.10 | 24.49 | 54.00 | 22.94 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17935.100 | 38.87 | -29.59 | 45.95 | 22.51 | 54.00 | 15.13 | H |
| 17962.050 | 38.75 | -29.59 | 45.95 | 22.39 | 54.00 | 15.25 | H |
| 14493.750 | 34.06 | -29.56 | 41.90 | 21.72 | 54.00 | 19.94 | H |
| 14486.600 | 33.77 | -29.56 | 41.90 | 21.43 | 54.00 | 20.23 | H |
| 11863.650 | 31.86 | -32.73 | 39.15 | 25.44 | 54.00 | 22.14 | H |
| 11849.900 | 31.80 | -32.73 | 39.15 | 25.38 | 54.00 | 22.20 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17886.150 | 35.38 | -29.59 | 45.95 | 19.02 | 54.00 | 18.62 | V |
| 17934.000 | 35.25 | -29.59 | 45.95 | 18.89 | 54.00 | 18.75 | V |
| 13312.350 | 32.68 | -31.40 | 40.60 | 23.48 | 54.00 | 21.32 | V |
| 13301.350 | 32.41 | -31.40 | 40.60 | 23.21 | 54.00 | 21.59 | V |
| 10613.500 | 31.77 | -33.58 | 38.30 | 27.05 | 54.00 | 22.23 | H |
| 10737.250 | 31.71 | -33.62 | 38.40 | 26.93 | 54.00 | 22.29 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17877.350 | 35.25 | -29.59 | 45.95 | 18.89 | 54.00 | 18.75 | H |
| 17879.000 | 35.19 | -29.59 | 45.95 | 18.83 | 54.00 | 18.81 | V |
| 13285.950 | 32.25 | -31.40 | 40.60 | 23.05 | 54.00 | 21.75 | V |
| 13323.900 | 32.25 | -31.19 | 40.65 | 22.79 | 54.00 | 21.75 | H |
| 11396.150 | 31.85 | -32.58 | 39.00 | 25.43 | 54.00 | 22.15 | H |
| 10755.950 | 31.84 | -32.42 | 38.45 | 25.81 | 54.00 | 22.16 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17888.900 | 35.14 | -29.59 | 45.95 | 18.78 | 54.00 | 18.86 | H |
| 17904.850 | 35.11 | -29.59 | 45.95 | 18.75 | 54.00 | 18.89 | H |
| 13286.500 | 32.22 | -31.40 | 40.60 | 23.02 | 54.00 | 21.78 | H |
| 13287.050 | 32.17 | -31.40 | 40.60 | 22.97 | 54.00 | 21.83 | V |
| 5356.224 | 36.42 | -27.82 | 34.20 | 30.04 | 54.00 | 17.58 | V |
| 5375.056 | 36.39 | -27.82 | 34.20 | 30.01 | 54.00 | 17.61 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17899.900 | 35.88 | -29.59 | 45.95 | 19.52 | 54.00 | 18.12 | V |
| 17924.650 | 35.76 | -29.59 | 45.95 | 19.40 | 54.00 | 18.24 | V |
| 13281.550 | 33.69 | -31.40 | 40.60 | 24.49 | 54.00 | 20.31 | V |
| 13275.500 | 33.44 | -31.40 | 40.60 | 24.24 | 54.00 | 20.56 | H |
| 5458.195 | 38.86 | -27.49 | 34.20 | 32.15 | 54.00 | 15.14 | V |
| 5423.050 | 38.80 | -27.94 | 34.30 | 32.44 | 54.00 | 15.20 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17876.250 | 36.06 | -29.59 | 45.95 | 19.70 | 54.00 | 17.94 | V |
| 17952.150 | 36.06 | -29.59 | 45.95 | 19.70 | 54.00 | 17.94 | V |
| 13294.200 | 33.52 | -31.40 | 40.60 | 24.32 | 54.00 | 20.48 | H |
| 13300.250 | 33.47 | -31.40 | 40.60 | 24.27 | 54.00 | 20.53 | V |
| 10752.650 | 32.97 | -32.42 | 38.45 | 26.94 | 54.00 | 21.03 | V |
| 11303.750 | 32.84 | -32.41 | 38.70 | 26.55 | 54.00 | 21.16 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17961.500 | 35.18 | -29.59 | 45.95 | 18.82 | 54.00 | 18.82 | V |
| 17886.700 | 35.06 | -29.59 | 45.95 | 18.70 | 54.00 | 18.94 | V |
| 13267.250 | 32.87 | -31.62 | 40.50 | 23.99 | 54.00 | 21.13 | V |
| 13273.300 | 32.72 | -31.40 | 40.60 | 23.52 | 54.00 | 21.28 | V |
| 5149.140 | 37.47 | -28.00 | 34.00 | 31.47 | 54.00 | 16.53 | V |
| 5143.860 | 37.33 | -27.79 | 34.00 | 31.12 | 54.00 | 16.67 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17957.650 | 35.21 | -29.59 | 45.95 | 18.85 | 54.00 | 18.79 | H |
| 17882.300 | 35.12 | -29.59 | 45.95 | 18.76 | 54.00 | 18.88 | H |
| 13312.900 | 32.70 | -31.40 | 40.60 | 23.50 | 54.00 | 21.30 | V |
| 13295.300 | 32.69 | -31.40 | 40.60 | 23.49 | 54.00 | 21.31 | V |
| 10722.950 | 31.97 | -33.62 | 38.40 | 27.19 | 54.00 | 22.03 | H |
| 10744.950 | 31.88 | -32.42 | 38.45 | 25.85 | 54.00 | 22.12 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17899.900 | 35.08 | -29.59 | 45.95 | 18.72 | 54.00 | 18.92 | V |
| 17875.150 | 34.94 | -29.59 | 45.95 | 18.58 | 54.00 | 19.06 | V |
| 13299.700 | 32.56 | -31.40 | 40.60 | 23.36 | 54.00 | 21.44 | H |
| 13292.550 | 32.26 | -31.40 | 40.60 | 23.06 | 54.00 | 21.74 | H |
| 10737.800 | 31.66 | -33.62 | 38.40 | 26.88 | 54.00 | 22.34 | V |
| 10742.200 | 31.65 | -33.62 | 38.40 | 26.87 | 54.00 | 22.35 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17878.450 | 35.22 | -29.59 | 45.95 | 18.86 | 54.00 | 18.78 | V |
| 17880.100 | 34.91 | -29.59 | 45.95 | 18.55 | 54.00 | 19.09 | V |
| 13294.750 | 32.27 | -31.40 | 40.60 | 23.07 | 54.00 | 21.73 | H |
| 13295.850 | 32.01 | -31.40 | 40.60 | 22.81 | 54.00 | 21.99 | V |
| 5350.944 | 37.24 | -27.82 | 34.20 | 30.86 | 54.00 | 16.76 | V |
| 5350.144 | 37.05 | -27.82 | 34.20 | 30.67 | 54.00 | 16.95 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17968.650 | 36.10 | -29.59 | 45.95 | 19.74 | 54.00 | 17.90 | H |
| 17950.500 | 35.79 | -29.59 | 45.95 | 19.43 | 54.00 | 18.21 | H |
| 13307.950 | 33.71 | -31.40 | 40.60 | 24.51 | 54.00 | 20.29 | H |
| 13296.950 | 33.70 | -31.40 | 40.60 | 24.50 | 54.00 | 20.30 | V |
| 5429.230 | 38.67 | -27.94 | 34.30 | 32.31 | 54.00 | 15.33 | V |
| 5457.595 | 38.63 | -27.49 | 34.20 | 31.92 | 54.00 | 15.37 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17890.000 | 36.00 | -29.59 | 45.95 | 19.64 | 54.00 | 18.00 | V |
| 17915.850 | 35.83 | -29.59 | 45.95 | 19.47 | 54.00 | 18.17 | V |
| 13293.100 | 33.82 | -31.40 | 40.60 | 24.62 | 54.00 | 20.18 | V |
| 13267.250 | 33.28 | -31.62 | 40.50 | 24.40 | 54.00 | 20.72 | V |
| 10746.050 | 33.20 | -32.42 | 38.45 | 27.17 | 54.00 | 20.80 | V |
| 11308.150 | 32.85 | -32.41 | 38.70 | 26.56 | 54.00 | 21.15 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17877.350 | 35.85 | -29.59 | 45.95 | 19.49 | 54.00 | 18.15 | V |
| 17932.350 | 35.81 | -29.59 | 45.95 | 19.45 | 54.00 | 18.19 | H |
| 13320.050 | 33.69 | -31.19 | 40.65 | 24.23 | 54.00 | 20.31 | V |
| 13293.100 | 33.16 | -31.40 | 40.60 | 23.96 | 54.00 | 20.84 | V |
| 10747.150 | 32.96 | -32.42 | 38.45 | 26.93 | 54.00 | 21.04 | V |
| 11406.050 | 32.92 | -32.58 | 39.00 | 26.50 | 54.00 | 21.08 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17955.450 | 38.57 | -29.59 | 45.95 | 22.21 | 54.00 | 15.43 | H |
| 17941.150 | 38.33 | -29.59 | 45.95 | 21.97 | 54.00 | 15.67 | V |
| 14494.850 | 33.18 | -29.56 | 41.90 | 20.84 | 54.00 | 20.82 | V |
| 14488.250 | 32.92 | -29.56 | 41.90 | 20.58 | 54.00 | 21.08 | H |
| 5142.300 | 37.00 | -27.79 | 34.00 | 30.79 | 54.00 | 17.00 | V |
| 5146.400 | 36.95 | -27.79 | 34.00 | 30.74 | 54.00 | 17.05 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17964.250 | 38.72 | -29.59 | 45.95 | 22.36 | 54.00 | 15.28 | V |
| 17936.750 | 38.69 | -29.59 | 45.95 | 22.33 | 54.00 | 15.31 | V |
| 14493.750 | 33.19 | -29.56 | 41.90 | 20.85 | 54.00 | 20.81 | V |
| 14499.800 | 33.19 | -29.56 | 41.90 | 20.85 | 54.00 | 20.81 | H |
| 11859.250 | 31.05 | -32.73 | 39.15 | 24.63 | 54.00 | 22.95 | V |
| 11934.600 | 31.05 | -32.42 | 39.05 | 24.42 | 54.00 | 22.95 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17946.100 | 39.36 | -29.59 | 45.95 | 23.00 | 54.00 | 14.64 | H |
| 17949.400 | 38.97 | -29.59 | 45.95 | 22.61 | 54.00 | 15.03 | V |
| 14495.950 | 33.89 | -29.56 | 41.90 | 21.55 | 54.00 | 20.11 | V |
| 14485.500 | 33.88 | -29.56 | 41.90 | 21.54 | 54.00 | 20.12 | V |
| 11874.100 | 32.13 | -32.73 | 39.15 | 25.71 | 54.00 | 21.87 | H |
| 11908.750 | 31.86 | -32.53 | 39.10 | 25.29 | 54.00 | 22.14 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17875.150 | 35.00 | -29.59 | 45.95 | 18.64 | 54.00 | 19.00 | H |
| 17899.350 | 34.85 | -29.59 | 45.95 | 18.49 | 54.00 | 19.15 | H |
| 13300.250 | 32.76 | -31.40 | 40.60 | 23.56 | 54.00 | 21.24 | V |
| 13317.850 | 32.43 | -31.19 | 40.65 | 22.97 | 54.00 | 21.57 | H |
| 10753.200 | 32.23 | -32.42 | 38.45 | 26.20 | 54.00 | 21.77 | H |
| 11415.950 | 31.61 | -32.58 | 39.00 | 25.19 | 54.00 | 22.39 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17871.300 | 35.57 | -29.59 | 45.95 | 19.21 | 54.00 | 18.43 | V |
| 17886.700 | 34.97 | -29.59 | 45.95 | 18.61 | 54.00 | 19.03 | V |
| 13257.900 | 32.55 | -31.62 | 40.50 | 23.67 | 54.00 | 21.45 | H |
| 13292.000 | 32.54 | -31.40 | 40.60 | 23.34 | 54.00 | 21.46 | V |
| 10741.650 | 32.18 | -33.62 | 38.40 | 27.40 | 54.00 | 21.82 | V |
| 11430.800 | 31.80 | -32.58 | 39.00 | 25.38 | 54.00 | 22.20 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17907.600 | 35.48 | -29.59 | 45.95 | 19.12 | 54.00 | 18.52 | V |
| 17948.850 | 35.26 | -29.59 | 45.95 | 18.90 | 54.00 | 18.74 | V |
| 13291.450 | 32.68 | -31.40 | 40.60 | 23.48 | 54.00 | 21.32 | V |
| 13312.900 | 32.46 | -31.40 | 40.60 | 23.26 | 54.00 | 21.54 | V |
| 5399.264 | 37.25 | -27.94 | 34.30 | 30.89 | 54.00 | 16.75 | V |
| 5364.976 | 37.04 | -27.82 | 34.20 | 30.66 | 54.00 | 16.96 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17955.450 | 36.13 | -29.59 | 45.95 | 19.77 | 54.00 | 17.87 | H |
| 17882.300 | 35.98 | -29.59 | 45.95 | 19.62 | 54.00 | 18.02 | V |
| 13294.200 | 33.94 | -31.40 | 40.60 | 24.74 | 54.00 | 20.06 | H |
| 13323.900 | 33.88 | -31.19 | 40.65 | 24.42 | 54.00 | 20.12 | V |
| 5453.515 | 38.81 | -27.49 | 34.20 | 32.10 | 54.00 | 15.19 | V |
| 5454.235 | 38.81 | -27.49 | 34.20 | 32.10 | 54.00 | 15.19 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17953.250 | 35.97 | -29.59 | 45.95 | 19.61 | 54.00 | 18.03 | H |
| 17934.550 | 35.94 | -29.59 | 45.95 | 19.58 | 54.00 | 18.06 | H |
| 13270.550 | 33.76 | -31.40 | 40.60 | 24.56 | 54.00 | 20.24 | V |
| 13306.300 | 33.67 | -31.40 | 40.60 | 24.47 | 54.00 | 20.33 | V |
| 10739.450 | 32.96 | -33.62 | 38.40 | 28.18 | 54.00 | 21.04 | V |
| 11910.950 | 32.92 | -32.53 | 39.10 | 26.35 | 54.00 | 21.08 | H |

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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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17965.350 | 35.28 | -29.59 | 45.95 | 18.92 | 54.00 | 18.72 | V |
| 17900.450 | 35.27 | -29.59 | 45.95 | 18.91 | 54.00 | 18.73 | V |
| 13283.750 | 32.46 | -31.40 | 40.60 | 23.26 | 54.00 | 21.54 | H |
| 13398.150 | 32.40 | -31.84 | 40.70 | 23.54 | 54.00 | 21.60 | H |
| 5149.160 | 37.82 | -28.00 | 34.00 | 31.82 | 54.00 | 16.18 | H |
| 5149.660 | 37.72 | -28.00 | 34.00 | 31.72 | 54.00 | 16.28 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17889.450 | 35.17 | -29.59 | 45.95 | 18.81 | 54.00 | 18.83 | V |
| 17910.350 | 35.04 | -29.59 | 45.95 | 18.68 | 54.00 | 18.96 | H |
| 13277.150 | 32.60 | -31.40 | 40.60 | 23.40 | 54.00 | 21.40 | H |
| 13296.400 | 32.58 | -31.40 | 40.60 | 23.38 | 54.00 | 21.42 | V |
| 10753.750 | 32.06 | -32.42 | 38.45 | 26.03 | 54.00 | 21.94 | H |
| 10748.800 | 31.94 | -32.42 | 38.45 | 25.91 | 54.00 | 22.06 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17892.750 | 34.84 | -29.59 | 45.95 | 18.48 | 54.00 | 19.16 | H |
| 17916.950 | 34.79 | -29.59 | 45.95 | 18.43 | 54.00 | 19.21 | V |
| 13264.500 | 32.16 | -31.62 | 40.50 | 23.28 | 54.00 | 21.84 | H |
| 13274.950 | 31.98 | -31.40 | 40.60 | 22.78 | 54.00 | 22.02 | V |
| 11399.450 | 31.25 | -32.58 | 39.00 | 24.83 | 54.00 | 22.75 | V |
| 10748.800 | 31.21 | -32.42 | 38.45 | 25.18 | 54.00 | 22.79 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17913.100 | 34.98 | -29.59 | 45.95 | 18.62 | 54.00 | 19.02 | V |
| 17986.250 | 34.81 | -29.59 | 45.95 | 18.45 | 54.00 | 19.19 | V |
| 13300.800 | 32.24 | -31.40 | 40.60 | 23.04 | 54.00 | 21.76 | H |
| 13272.750 | 32.22 | -31.40 | 40.60 | 23.02 | 54.00 | 21.78 | V |
| 5351.680 | 37.14 | -27.82 | 34.20 | 30.76 | 54.00 | 16.86 | V |
| 5353.808 | 36.99 | -27.82 | 34.20 | 30.61 | 54.00 | 17.01 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17962.050 | 35.96 | -29.59 | 45.95 | 19.60 | 54.00 | 18.04 | V |
| 17894.950 | 35.91 | -29.59 | 45.95 | 19.55 | 54.00 | 18.09 | V |
| 13305.750 | 33.37 | -31.40 | 40.60 | 24.17 | 54.00 | 20.63 | V |
| 13326.100 | 33.27 | -31.19 | 40.65 | 23.81 | 54.00 | 20.73 | H |
| 5451.220 | 38.50 | -27.49 | 34.20 | 31.79 | 54.00 | 15.50 | V |
| 5457.940 | 38.47 | -27.49 | 34.20 | 31.76 | 54.00 | 15.53 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17935.100 | 36.03 | -29.59 | 45.95 | 19.67 | 54.00 | 17.97 | V |
| 17940.050 | 35.81 | -29.59 | 45.95 | 19.45 | 54.00 | 18.19 | V |
| 13280.450 | 33.31 | -31.40 | 40.60 | 24.11 | 54.00 | 20.69 | V |
| 13299.150 | 33.26 | -31.40 | 40.60 | 24.06 | 54.00 | 20.74 | V |
| 10737.250 | 32.70 | -33.62 | 38.40 | 27.92 | 54.00 | 21.30 | H |
| 11400.000 | 32.67 | -32.58 | 39.00 | 26.25 | 54.00 | 21.33 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17920.250 | 35.80 | -29.59 | 45.95 | 19.44 | 54.00 | 18.20 | V |
| 17886.150 | 35.73 | -29.59 | 45.95 | 19.37 | 54.00 | 18.27 | V |
| 13304.100 | 33.43 | -31.40 | 40.60 | 24.23 | 54.00 | 20.57 | V |
| 13323.900 | 33.41 | -31.19 | 40.65 | 23.95 | 54.00 | 20.59 | V |
| 10740.000 | 32.83 | -33.62 | 38.40 | 28.05 | 54.00 | 21.17 | H |
| 11403.300 | 32.75 | -32.58 | 39.00 | 26.33 | 54.00 | 21.25 | V |

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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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17882.850 | 34.78 | -29.59 | 45.95 | 18.42 | 54.00 | 19.22 | H |
| 17915.300 | 34.54 | -29.59 | 45.95 | 18.18 | 54.00 | 19.46 | H |
| 13305.750 | 31.97 | -31.40 | 40.60 | 22.77 | 54.00 | 22.03 | H |
| 13299.150 | 31.81 | -31.40 | 40.60 | 22.61 | 54.00 | 22.19 | H |
| 5149.480 | 39.09 | -28.00 | 34.00 | 33.09 | 54.00 | 14.91 | H |
| 5149.720 | 38.97 | -28.00 | 34.00 | 32.97 | 54.00 | 15.03 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17940.600 | 34.61 | -29.59 | 45.95 | 18.25 | 54.00 | 19.39 | H |
| 17938.950 | 34.57 | -29.59 | 45.95 | 18.21 | 54.00 | 19.43 | H |
| 13281.550 | 32.57 | -31.40 | 40.60 | 23.37 | 54.00 | 21.43 | H |
| 13263.950 | 32.00 | -31.62 | 40.50 | 23.12 | 54.00 | 22.00 | V |
| 5350.160 | 37.78 | -27.82 | 34.20 | 31.40 | 54.00 | 16.22 | H |
| 5350.128 | 37.72 | -27.82 | 34.20 | 31.34 | 54.00 | 16.28 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17891.650 | 35.74 | -29.59 | 45.95 | 19.38 | 54.00 | 18.26 | V |
| 17897.700 | 35.57 | -29.59 | 45.95 | 19.21 | 54.00 | 18.43 | V |
| 13317.300 | 33.38 | -31.19 | 40.65 | 23.92 | 54.00 | 20.62 | V |
| 13275.500 | 33.35 | -31.40 | 40.60 | 24.15 | 54.00 | 20.65 | H |
| 5458.300 | 40.39 | -27.49 | 34.20 | 33.68 | 54.00 | 13.61 | V |
| 5459.980 | 40.13 | -27.49 | 34.20 | 33.42 | 54.00 | 13.87 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17954.900 | 35.63 | -29.59 | 45.95 | 19.27 | 54.00 | 18.37 | H |
| 17938.950 | 35.58 | -29.59 | 45.95 | 19.22 | 54.00 | 18.42 | V |
| 13289.800 | 33.36 | -31.40 | 40.60 | 24.16 | 54.00 | 20.64 | V |
| 13295.850 | 33.30 | -31.40 | 40.60 | 24.10 | 54.00 | 20.70 | V |
| 11379.650 | 32.72 | -33.31 | 38.85 | 27.18 | 54.00 | 21.28 | V |
| 10742.200 | 32.49 | -33.62 | 38.40 | 27.71 | 54.00 | 21.51 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17877.350 | 49.22 | -29.59 | 45.95 | 32.86 | 74.00 | 24.78 | H |
| 17935.100 | 48.30 | -29.59 | 45.95 | 31.94 | 74.00 | 25.70 | V |
| 14702.200 | 43.95 | -30.04 | 41.50 | 32.49 | 68.20 | 24.25 | V |
| 14699.450 | 43.81 | -30.04 | 41.50 | 32.35 | 68.20 | 24.39 | V |
| 5148.780 | 51.98 | -28.00 | 34.00 | 45.98 | 74.00 | 22.02 | V |
| 5148.760 | 51.90 | -28.00 | 34.00 | 45.90 | 74.00 | 22.10 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17963.150 | 49.67 | -29.59 | 45.95 | 33.31 | 74.00 | 24.33 | V |
| 17876.250 | 48.95 | -29.59 | 45.95 | 32.59 | 74.00 | 25.05 | V |
| 14581.750 | 45.05 | -29.14 | 41.90 | 32.29 | 68.20 | 23.15 | V |
| 14392.550 | 44.89 | -30.24 | 41.90 | 33.23 | 68.20 | 23.31 | V |
| 11888.950 | 42.31 | -32.53 | 39.10 | 35.74 | 74.00 | 31.69 | V |
| 11407.150 | 42.16 | -32.58 | 39.00 | 35.74 | 74.00 | 31.84 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17949.400 | 49.68 | -29.59 | 45.95 | 33.32 | 74.00 | 24.32 | H |
| 17946.650 | 48.86 | -29.59 | 45.95 | 32.50 | 74.00 | 25.14 | V |
| 14681.300 | 45.45 | -30.04 | 41.50 | 33.99 | 68.20 | 22.75 | V |
| 14596.600 | 45.37 | -29.14 | 41.90 | 32.61 | 68.20 | 22.83 | V |
| 11881.800 | 42.69 | -32.53 | 39.10 | 36.12 | 74.00 | 31.31 | H |
| 11877.950 | 42.17 | -32.73 | 39.15 | 35.75 | 74.00 | 31.83 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17337.800 | 46.21 | -28.74 | 43.40 | 31.55 | 68.20 | 21.99 | H |
| 17411.500 | 46.13 | -29.44 | 43.80 | 31.77 | 68.20 | 22.07 | H |
| 13957.500 | 43.69 | -30.81 | 41.40 | 33.10 | 68.20 | 24.51 | V |
| 13894.800 | 43.46 | -31.25 | 41.30 | 33.41 | 68.20 | 24.74 | H |
| 11401.650 | 42.90 | -32.58 | 39.00 | 36.48 | 74.00 | 31.10 | V |
| 10547.500 | 42.17 | -33.72 | 38.25 | 37.64 | 68.20 | 26.03 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17839.950 | 46.33 | -29.59 | 45.95 | 29.97 | 74.00 | 27.67 | V |
| 17409.300 | 46.26 | -29.44 | 43.80 | 31.90 | 68.20 | 21.94 | H |
| 13342.600 | 43.25 | -31.19 | 40.65 | 33.79 | 74.00 | 30.75 | H |
| 13494.400 | 43.02 | -31.51 | 40.70 | 33.83 | 68.20 | 25.18 | V |
| 10617.350 | 42.82 | -33.58 | 38.30 | 38.10 | 74.00 | 31.18 | V |
| 11324.650 | 42.36 | -32.41 | 38.70 | 36.07 | 74.00 | 31.64 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17347.700 | 46.68 | -28.74 | 43.40 | 32.02 | 68.20 | 21.52 | V |
| 16942.350 | 46.60 | -29.68 | 40.60 | 35.68 | 68.20 | 21.60 | H |
| 13939.350 | 43.50 | -30.81 | 41.40 | 32.91 | 68.20 | 24.70 | V |
| 13958.050 | 43.48 | -30.81 | 41.40 | 32.89 | 68.20 | 24.72 | H |
| 5387.392 | 48.11 | -27.82 | 34.20 | 41.73 | 74.00 | 25.89 | H |
| 5358.992 | 47.59 | -27.82 | 34.20 | 41.21 | 74.00 | 26.41 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17338.900 | 47.87 | -28.74 | 43.40 | 33.21 | 68.20 | 20.33 | H |
| 16905.500 | 47.41 | -29.28 | 40.30 | 36.39 | 68.20 | 20.79 | H |
| 13273.850 | 44.78 | -31.40 | 40.60 | 35.58 | 74.00 | 29.22 | V |
| 14061.450 | 44.67 | -30.20 | 41.70 | 33.17 | 68.20 | 23.53 | H |
| 5420.740 | 50.11 | -27.94 | 34.30 | 43.75 | 74.00 | 23.89 | V |
| 5469.715 | 50.43 | -27.49 | 34.20 | 43.72 | 68.20 | 17.77 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17382.900 | 47.70 | -29.44 | 43.80 | 33.34 | 68.20 | 20.50 | H |
| 17362.550 | 47.58 | -28.74 | 43.40 | 32.92 | 68.20 | 20.62 | H |
| 13275.500 | 44.89 | -31.40 | 40.60 | 35.69 | 74.00 | 29.11 | V |
| 14033.950 | 44.89 | -31.31 | 41.60 | 34.60 | 68.20 | 23.31 | H |
| 5725.985 | 58.16 | -27.47 | 34.10 | 51.53 | 68.20 | 10.04 | V |
| 5725.670 | 57.76 | -27.47 | 34.10 | 51.13 | 68.20 | 10.44 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17954.350 | 48.94 | -29.59 | 45.95 | 32.58 | 74.00 | 25.06 | V |
| 17968.650 | 48.76 | -29.59 | 45.95 | 32.40 | 74.00 | 25.24 | V |
| 14711.550 | 45.43 | -30.13 | 41.35 | 34.21 | 68.20 | 22.77 | H |
| 14669.750 | 44.21 | -30.04 | 41.50 | 32.75 | 68.20 | 23.99 | V |
| 5110.880 | 47.56 | -27.79 | 34.00 | 41.35 | 74.00 | 26.44 | V |
| 5126.080 | 47.34 | -27.79 | 34.00 | 41.13 | 74.00 | 26.66 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17974.150 | 49.33 | -29.59 | 45.95 | 32.97 | 74.00 | 24.67 | V |
| 17875.700 | 49.00 | -29.59 | 45.95 | 32.64 | 74.00 | 25.00 | V |
| 14695.600 | 44.82 | -30.04 | 41.50 | 33.36 | 68.20 | 23.38 | V |
| 14504.200 | 44.77 | -29.56 | 41.90 | 32.43 | 68.20 | 23.43 | V |
| 11857.600 | 42.25 | -32.73 | 39.15 | 35.83 | 74.00 | 31.75 | V |
| 11814.150 | 42.24 | -32.09 | 39.20 | 35.13 | 74.00 | 31.76 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17894.950 | 50.38 | -29.59 | 45.95 | 34.02 | 74.00 | 23.62 | V |
| 17870.200 | 50.24 | -29.59 | 45.95 | 33.88 | 74.00 | 23.76 | V |
| 14719.800 | 45.38 | -30.13 | 41.35 | 34.16 | 68.20 | 22.82 | V |
| 14673.050 | 45.04 | -30.04 | 41.50 | 33.58 | 68.20 | 23.16 | V |
| 11866.950 | 42.62 | -32.73 | 39.15 | 36.20 | 74.00 | 31.38 | V |
| 10754.850 | 42.16 | -32.42 | 38.45 | 36.13 | 74.00 | 31.84 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16928.050 | 46.50 | -29.28 | 40.30 | 35.48 | 68.20 | 21.70 | H |
| 17980.750 | 46.46 | -29.59 | 45.95 | 30.10 | 74.00 | 27.54 | H |
| 13690.750 | 43.88 | -30.98 | 41.00 | 33.86 | 68.20 | 24.32 | V |
| 12990.050 | 43.80 | -32.02 | 40.10 | 35.72 | 68.20 | 24.40 | V |
| 11216.850 | 42.59 | -32.42 | 38.60 | 36.41 | 74.00 | 31.41 | H |
| 10717.450 | 42.48 | -33.62 | 38.40 | 37.70 | 74.00 | 31.52 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17369.150 | 48.12 | -28.74 | 43.40 | 33.46 | 68.20 | 20.08 | V |
| 16963.800 | 46.47 | -29.68 | 40.60 | 35.55 | 68.20 | 21.73 | V |
| 14053.750 | 43.62 | -31.31 | 41.60 | 33.33 | 68.20 | 24.58 | V |
| 13362.950 | 43.24 | -31.19 | 40.65 | 33.78 | 74.00 | 30.76 | V |
| 10544.200 | 42.90 | -33.31 | 38.20 | 38.01 | 68.20 | 25.30 | V |
| 11337.300 | 42.65 | -33.31 | 38.85 | 37.11 | 74.00 | 31.35 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17332.850 | 46.75 | -28.74 | 43.40 | 32.09 | 68.20 | 21.45 | H |
| 17348.250 | 46.27 | -28.74 | 43.40 | 31.61 | 68.20 | 21.93 | V |
| 13448.750 | 43.70 | -31.37 | 40.70 | 34.37 | 68.20 | 24.50 | V |
| 13897.550 | 43.32 | -31.25 | 41.30 | 33.27 | 68.20 | 24.88 | H |
| 5404.208 | 47.83 | -27.94 | 34.30 | 41.47 | 74.00 | 26.17 | V |
| 5438.880 | 47.83 | -27.94 | 34.30 | 41.47 | 74.00 | 26.17 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16944.550 | 47.21 | -29.68 | 40.60 | 36.29 | 68.20 | 20.99 | H |
| 16945.100 | 47.11 | -29.68 | 40.60 | 36.19 | 68.20 | 21.09 | V |
| 13794.150 | 44.60 | -30.98 | 41.20 | 34.38 | 68.20 | 23.60 | H |
| 13940.450 | 44.56 | -30.81 | 41.40 | 33.97 | 68.20 | 23.64 | V |
| 5454.385 | 49.62 | -27.49 | 34.20 | 42.91 | 74.00 | 24.38 | V |
| 5469.490 | 53.37 | -27.49 | 34.20 | 46.66 | 68.20 | 14.83 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17349.900 | 47.32 | -28.74 | 43.40 | 32.66 | 68.20 | 20.88 | V |
| 17039.150 | 47.11 | -29.30 | 41.10 | 35.31 | 68.20 | 21.09 | H |
| 14118.100 | 44.98 | -30.93 | 41.70 | 34.20 | 68.20 | 23.22 | V |
| 12523.650 | 44.84 | -31.84 | 39.10 | 37.58 | 74.00 | 29.16 | V |
| 5725.373 | 58.02 | -27.47 | 34.10 | 51.39 | 68.20 | 10.18 | V |
| 5725.512 | 57.51 | -27.47 | 34.10 | 50.88 | 68.20 | 10.69 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16977.550 | 46.81 | -29.68 | 40.60 | 35.89 | 68.20 | 21.39 | H |
| 17448.900 | 46.35 | -28.70 | 44.20 | 30.85 | 68.20 | 21.85 | H |
| 14023.500 | 43.67 | -31.31 | 41.60 | 33.38 | 68.20 | 24.53 | V |
| 13941.000 | 43.53 | -30.81 | 41.40 | 32.94 | 68.20 | 24.67 | V |
| 5145.360 | 48.90 | -27.79 | 34.00 | 42.69 | 74.00 | 25.10 | V |
| 5141.580 | 48.14 | -27.79 | 34.00 | 41.93 | 74.00 | 25.86 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17358.700 | 46.84 | -28.74 | 43.40 | 32.18 | 68.20 | 21.36 | H |
| 17356.500 | 46.80 | -28.74 | 43.40 | 32.14 | 68.20 | 21.40 | V |
| 13862.900 | 43.72 | -31.25 | 41.30 | 33.67 | 68.20 | 24.48 | V |
| 12837.700 | 43.62 | -31.96 | 39.90 | 35.68 | 68.20 | 24.58 | V |
| 10655.850 | 42.53 | -32.67 | 38.35 | 36.85 | 74.00 | 31.47 | V |
| 11818.550 | 42.47 | -32.09 | 39.20 | 35.36 | 74.00 | 31.53 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16933.000 | 46.19 | -29.68 | 40.60 | 35.27 | 68.20 | 22.01 | V |
| 16923.650 | 46.18 | -29.28 | 40.30 | 35.16 | 68.20 | 22.02 | H |
| 13912.950 | 43.66 | -30.81 | 41.40 | 33.07 | 68.20 | 24.54 | V |
| 14032.300 | 43.32 | -31.31 | 41.60 | 33.03 | 68.20 | 24.88 | H |
| 9431.000 | 42.53 | -33.60 | 37.90 | 38.23 | 74.00 | 31.47 | H |
| 10654.750 | 42.23 | -32.67 | 38.35 | 36.55 | 74.00 | 31.77 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17033.100 | 46.16 | -29.30 | 41.10 | 34.36 | 68.20 | 22.04 | H |
| 16979.750 | 45.88 | -29.68 | 40.60 | 34.96 | 68.20 | 22.32 | H |
| 13938.250 | 43.16 | -30.81 | 41.40 | 32.57 | 68.20 | 25.04 | V |
| 11116.750 | 43.11 | -33.04 | 38.60 | 37.55 | 74.00 | 30.89 | V |
| 5418.400 | 47.90 | -27.94 | 34.30 | 41.54 | 74.00 | 26.10 | V |
| 5411.600 | 47.78 | -27.94 | 34.30 | 41.42 | 74.00 | 26.22 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16946.200 | 47.15 | -29.68 | 40.60 | 36.23 | 68.20 | 21.05 | V |
| 16973.150 | 47.04 | -29.68 | 40.60 | 36.12 | 68.20 | 21.16 | V |
| 14024.600 | 44.22 | -31.31 | 41.60 | 33.93 | 68.20 | 23.98 | V |
| 14044.400 | 44.22 | -31.31 | 41.60 | 33.93 | 68.20 | 23.98 | H |
| 5457.715 | 52.06 | -27.49 | 34.20 | 45.35 | 74.00 | 21.94 | V |
| 5467.330 | 51.65 | -27.49 | 34.20 | 44.94 | 68.20 | 16.55 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17362.550 | 47.21 | -28.74 | 43.40 | 32.55 | 68.20 | 20.99 | H |
| 17347.700 | 47.09 | -28.74 | 43.40 | 32.43 | 68.20 | 21.11 | V |
| 13291.450 | 44.80 | -31.40 | 40.60 | 35.60 | 74.00 | 29.20 | V |
| 14013.050 | 44.38 | -31.31 | 41.60 | 34.09 | 68.20 | 23.82 | V |
| 9403.500 | 43.71 | -33.86 | 37.90 | 39.67 | 74.00 | 30.29 | H |
| 10737.800 | 43.62 | -33.62 | 38.40 | 38.84 | 74.00 | 30.38 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17343.300 | 47.25 | -28.74 | 43.40 | 32.59 | 68.20 | 20.95 | V |
| 17391.700 | 47.16 | -29.44 | 43.80 | 32.80 | 68.20 | 21.04 | V |
| 14704.950 | 44.74 | -30.13 | 41.35 | 33.52 | 68.20 | 23.46 | V |
| 13939.350 | 44.51 | -30.81 | 41.40 | 33.92 | 68.20 | 23.69 | V |
| 5800.028 | 49.73 | -27.65 | 34.10 | 43.28 | 68.20 | 18.47 | V |
| 5730.797 | 49.53 | -27.47 | 34.10 | 42.90 | 68.20 | 18.67 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17970.850 | 48.64 | -29.59 | 45.95 | 32.28 | 74.00 | 25.36 | V |
| 17965.900 | 48.58 | -29.59 | 45.95 | 32.22 | 74.00 | 25.42 | H |
| 14587.800 | 45.45 | -29.14 | 41.90 | 32.69 | 68.20 | 22.75 | H |
| 14710.450 | 45.08 | -30.13 | 41.35 | 33.86 | 68.20 | 23.12 | V |
| 5117.920 | 48.39 | -27.79 | 34.00 | 42.18 | 74.00 | 25.61 | V |
| 5147.660 | 48.15 | -27.79 | 34.00 | 41.94 | 74.00 | 25.85 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17916.400 | 49.77 | -29.59 | 45.95 | 33.41 | 74.00 | 24.23 | H |
| 17887.800 | 48.89 | -29.59 | 45.95 | 32.53 | 74.00 | 25.11 | H |
| 14691.200 | 45.48 | -30.04 | 41.50 | 34.02 | 68.20 | 22.72 | H |
| 14392.550 | 44.77 | -30.24 | 41.90 | 33.11 | 68.20 | 23.43 | V |
| 11900.500 | 42.49 | -32.53 | 39.10 | 35.92 | 74.00 | 31.51 | V |
| 11934.050 | 42.22 | -32.42 | 39.05 | 35.59 | 74.00 | 31.78 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17866.350 | 50.41 | -29.59 | 45.95 | 34.05 | 74.00 | 23.59 | H |
| 17966.450 | 50.19 | -29.59 | 45.95 | 33.83 | 74.00 | 23.81 | V |
| 14586.700 | 45.93 | -29.14 | 41.90 | 33.17 | 68.20 | 22.27 | H |
| 14569.650 | 45.81 | -29.14 | 41.90 | 33.05 | 68.20 | 22.39 | H |
| 11890.050 | 42.34 | -32.53 | 39.10 | 35.77 | 74.00 | 31.66 | V |
| 11594.700 | 42.23 | -32.72 | 39.20 | 35.75 | 74.00 | 31.77 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16914.850 | 46.38 | -29.28 | 40.30 | 35.36 | 68.20 | 21.82 | H |
| 16914.300 | 46.35 | -29.28 | 40.30 | 35.33 | 68.20 | 21.85 | H |
| 14038.350 | 43.75 | -31.31 | 41.60 | 33.46 | 68.20 | 24.45 | H |
| 13909.100 | 43.51 | -31.25 | 41.30 | 33.46 | 68.20 | 24.69 | V |
| 8602.150 | 43.01 | -34.87 | 37.50 | 40.38 | 68.20 | 25.19 | H |
| 11375.250 | 42.84 | -33.31 | 38.85 | 37.30 | 74.00 | 31.16 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17371.900 | 46.59 | -28.74 | 43.40 | 31.93 | 68.20 | 21.61 | H |
| 17358.700 | 46.39 | -28.74 | 43.40 | 31.73 | 68.20 | 21.81 | H |
| 10605.800 | 43.88 | -33.58 | 38.30 | 39.16 | 74.00 | 30.12 | V |
| 13902.500 | 43.50 | -31.25 | 41.30 | 33.45 | 68.20 | 24.70 | V |
| 13946.500 | 43.44 | -30.81 | 41.40 | 32.85 | 68.20 | 24.76 | V |
| 11381.850 | 42.89 | -33.31 | 38.85 | 37.35 | 74.00 | 31.11 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16924.200 | 46.49 | -29.28 | 40.30 | 35.47 | 68.20 | 21.71 | H |
| 17380.150 | 46.07 | -29.44 | 43.80 | 31.71 | 68.20 | 22.13 | H |
| 13941.000 | 44.19 | -30.81 | 41.40 | 33.60 | 68.20 | 24.01 | V |
| 13310.150 | 44.17 | -31.40 | 40.60 | 34.97 | 74.00 | 29.83 | V |
| 5441.216 | 48.62 | -27.94 | 34.30 | 42.26 | 74.00 | 25.38 | V |
| 5405.936 | 48.35 | -27.94 | 34.30 | 41.99 | 74.00 | 25.65 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16951.150 | 47.75 | -29.68 | 40.60 | 36.83 | 68.20 | 20.45 | H |
| 17344.950 | 47.51 | -28.74 | 43.40 | 32.85 | 68.20 | 20.69 | H |
| 13908.550 | 45.66 | -31.25 | 41.30 | 35.61 | 68.20 | 22.54 | H |
| 13426.200 | 44.84 | -31.37 | 40.70 | 35.51 | 68.20 | 23.36 | H |
| 5435.185 | 50.00 | -27.94 | 34.30 | 43.64 | 74.00 | 24.00 | V |
| 5464.045 | 49.71 | -27.49 | 34.20 | 43.00 | 68.20 | 18.49 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17030.350 | 47.42 | -29.30 | 41.10 | 35.62 | 68.20 | 20.78 | V |
| 16940.700 | 47.09 | -29.68 | 40.60 | 36.17 | 68.20 | 21.11 | V |
| 12846.500 | 44.68 | -31.96 | 39.90 | 36.74 | 68.20 | 23.52 | V |
| 14076.300 | 44.68 | -30.20 | 41.70 | 33.18 | 68.20 | 23.52 | V |
| 5729.100 | 51.70 | -27.47 | 34.10 | 45.07 | 68.20 | 16.50 | V |
| 5728.243 | 50.69 | -27.47 | 34.10 | 44.06 | 68.20 | 17.51 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16948.950 | 47.02 | -29.68 | 40.60 | 36.10 | 68.20 | 21.18 | V |
| 16937.400 | 46.52 | -29.68 | 40.60 | 35.60 | 68.20 | 21.68 | V |
| 13591.750 | 44.16 | -31.27 | 40.80 | 34.63 | 68.20 | 24.04 | V |
| 13946.500 | 43.70 | -30.81 | 41.40 | 33.11 | 68.20 | 24.50 | V |
| 5139.160 | 48.18 | -27.79 | 34.00 | 41.97 | 74.00 | 25.82 | H |
| 5148.980 | 48.08 | -28.00 | 34.00 | 42.08 | 74.00 | 25.92 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16848.850 | 46.53 | -29.50 | 40.00 | 36.03 | 68.20 | 21.67 | H |
| 17418.100 | 46.53 | -29.44 | 43.80 | 32.17 | 68.20 | 21.67 | H |
| 14038.350 | 44.22 | -31.31 | 41.60 | 33.93 | 68.20 | 23.98 | H |
| 13932.750 | 43.98 | -30.81 | 41.40 | 33.39 | 68.20 | 24.22 | V |
| 10759.250 | 42.71 | -32.42 | 38.45 | 36.68 | 74.00 | 31.29 | H |
| 10729.550 | 42.69 | -33.62 | 38.40 | 37.91 | 74.00 | 31.31 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17348.800 | 46.41 | -28.74 | 43.40 | 31.75 | 68.20 | 21.79 | V |
| 17332.850 | 46.03 | -28.74 | 43.40 | 31.37 | 68.20 | 22.17 | V |
| 13691.300 | 43.07 | -30.98 | 41.00 | 33.05 | 68.20 | 25.13 | H |
| 13320.050 | 42.89 | -31.19 | 40.65 | 33.43 | 74.00 | 31.11 | H |
| 11436.300 | 42.46 | -33.09 | 39.05 | 36.50 | 74.00 | 31.54 | V |
| 11396.150 | 41.99 | -32.58 | 39.00 | 35.57 | 74.00 | 32.01 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16973.150 | 45.87 | -29.68 | 40.60 | 34.95 | 68.20 | 22.33 | V |
| 17355.400 | 45.77 | -28.74 | 43.40 | 31.11 | 68.20 | 22.43 | V |
| 14021.300 | 43.34 | -31.31 | 41.60 | 33.05 | 68.20 | 24.86 | V |
| 13328.300 | 43.04 | -31.19 | 40.65 | 33.58 | 74.00 | 30.96 | H |
| 5352.320 | 48.28 | -27.82 | 34.20 | 41.90 | 74.00 | 25.72 | V |
| 5366.288 | 48.28 | -27.82 | 34.20 | 41.90 | 74.00 | 25.72 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17045.750 | 47.77 | -29.30 | 41.10 | 35.97 | 68.20 | 20.43 | H |
| 16988.000 | 47.26 | -29.38 | 40.85 | 35.79 | 68.20 | 20.94 | V |
| 14015.250 | 44.21 | -31.31 | 41.60 | 33.92 | 68.20 | 23.99 | H |
| 14710.450 | 44.14 | -30.13 | 41.35 | 32.92 | 68.20 | 24.06 | H |
| 5458.510 | 50.46 | -27.49 | 34.20 | 43.75 | 74.00 | 23.54 | V |
| 5461.225 | 56.35 | -27.49 | 34.20 | 49.64 | 68.20 | 11.85 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17382.350 | 46.89 | -29.44 | 43.80 | 32.53 | 68.20 | 21.31 | H |
| 17286.100 | 46.86 | -29.54 | 42.90 | 33.50 | 68.20 | 21.34 | H |
| 14002.050 | 44.47 | -30.64 | 41.50 | 33.61 | 68.20 | 23.73 | V |
| 14027.900 | 44.46 | -31.31 | 41.60 | 34.17 | 68.20 | 23.74 | V |
| 10745.500 | 43.95 | -32.42 | 38.45 | 37.92 | 74.00 | 30.05 | H |
| 10740.000 | 43.49 | -33.62 | 38.40 | 38.71 | 74.00 | 30.51 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16925.850 | 47.46 | -29.28 | 40.30 | 36.44 | 68.20 | 20.74 | V |
| 17362.000 | 47.26 | -28.74 | 43.40 | 32.60 | 68.20 | 20.94 | H |
| 13993.250 | 44.42 | -30.64 | 41.50 | 33.56 | 68.20 | 23.78 | V |
| 13949.800 | 44.40 | -30.81 | 41.40 | 33.81 | 68.20 | 23.80 | H |
| 5771.398 | 49.34 | -27.21 | 34.00 | 42.55 | 68.20 | 18.86 | V |
| 5737.972 | 49.02 | -27.47 | 34.10 | 42.39 | 68.20 | 19.18 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17337.800 | 45.98 | -28.74 | 43.40 | 31.32 | 68.20 | 22.22 | V |
| 16922.550 | 45.72 | -29.28 | 40.30 | 34.70 | 68.20 | 22.48 | V |
| 13925.050 | 42.83 | -30.81 | 41.40 | 32.24 | 68.20 | 25.37 | H |
| 13512.000 | 42.74 | -31.51 | 40.70 | 33.55 | 68.20 | 25.46 | V |
| 5128.000 | 50.40 | -27.79 | 34.00 | 44.19 | 74.00 | 23.60 | V |
| 5146.060 | 49.67 | -27.79 | 34.00 | 43.46 | 74.00 | 24.33 | 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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17332.300 | 47.63 | -28.74 | 43.40 | 32.97 | 68.20 | 20.57 | V |
| 17332.850 | 45.86 | -28.74 | 43.40 | 31.20 | 68.20 | 22.34 | H |
| 13945.400 | 43.89 | -30.81 | 41.40 | 33.30 | 68.20 | 24.31 | H |
| 11170.100 | 43.19 | -32.61 | 38.60 | 37.20 | 74.00 | 30.81 | H |
| 5350.640 | 49.12 | -27.82 | 34.20 | 42.74 | 74.00 | 24.88 | V |
| 5353.776 | 48.26 | -27.82 | 34.20 | 41.88 | 74.00 | 25.74 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 16939.600 | 47.08 | -29.68 | 40.60 | 36.16 | 68.20 | 21.12 | V |
| 16937.400 | 46.93 | -29.68 | 40.60 | 36.01 | 68.20 | 21.27 | V |
| 13617.600 | 45.05 | -31.29 | 40.90 | 35.44 | 68.20 | 23.15 | V |
| 14020.750 | 44.24 | -31.31 | 41.60 | 33.95 | 68.20 | 23.96 | V |
| 5455.705 | 56.59 | -27.49 | 34.20 | 49.88 | 74.00 | 17.41 | V |
| 5466.340 | 53.22 | -27.49 | 34.20 | 46.51 | 68.20 | 14.98 | V |

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) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17358.700 | 47.21 | -28.74 | 43.40 | 32.55 | 68.20 | 20.99 | H |
| 17446.700 | 46.95 | -28.70 | 44.20 | 31.45 | 68.20 | 21.25 | V |
| 13284.850 | 44.86 | -31.40 | 40.60 | 35.66 | 74.00 | 29.14 | H |
| 14020.750 | 44.71 | -31.31 | 41.60 | 34.42 | 68.20 | 23.49 | V |
| 5759.970 | 49.35 | -27.21 | 34.00 | 42.56 | 68.20 | 18.85 | H |
| 5805.417 | 49.14 | -27.65 | 34.10 | 42.69 | 68.20 | 19.06 | H |

Conclusion: PASS

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

Summary

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section

Method of Measurement:

See Clause 6.2 of ANSI C63.10 specifically.

See Clause 4 and Clause 5 of ANSI C63.10 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

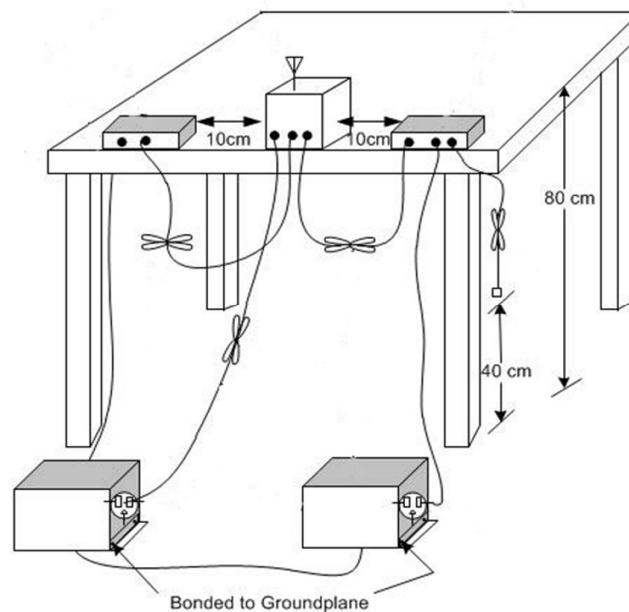
The measurement bandwidth is:

| Frequency of Emission (MHz) | RBW/IF bandwidth |
|-----------------------------|------------------|
| 0.15-30 | 9kHz |

Test Condition:

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

Test setup



Measurement Result and limit:

WLAN (Quasi-peak Limit)

| Frequency range (MHz) | Quasi-peak Limit (dB μ V) | Result (dB μ V) | | Conclusion |
|-----------------------|-------------------------------|---------------------|--------|------------|
| | | With charger | | |
| | | 11a mode | Idle | |
| 0.15 to 0.5 | 66 to 56 | Fig.58 | Fig.59 | P |
| 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 μ V) | Result (dB μ V) | | Conclusion |
|-----------------------|----------------------------|---------------------|--------|------------|
| | | With charger | | |
| | | 11a mode | Idle | |
| 0.15 to 0.5 | 56 to 46 | Fig.58 | Fig.59 | P |
| 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:

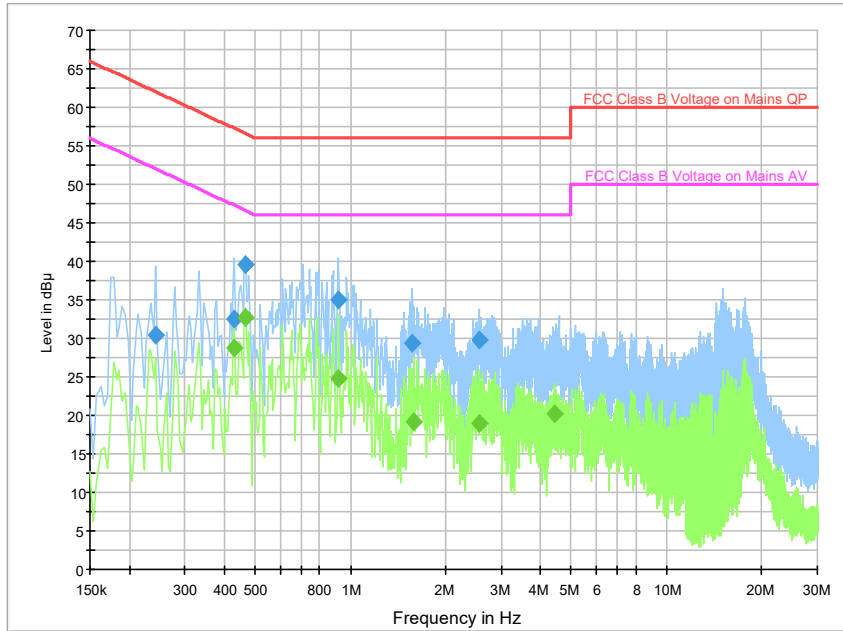


Fig.58 Conducted Emission(802.11a, Ch40, TX)

Note: 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 | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|------------|-----------------|--------|------|------------|-------------|--------------|
| 0.242000 | 30.4 | 2000.0 | 9.000 | On | L1 | 19.7 | 31.7 | 62.0 |
| 0.430000 | 32.6 | 2000.0 | 9.000 | On | N | 19.7 | 24.7 | 57.3 |
| 0.466000 | 39.6 | 2000.0 | 9.000 | On | L1 | 19.7 | 17.0 | 56.6 |
| 0.914000 | 35.0 | 2000.0 | 9.000 | On | L1 | 19.7 | 21.0 | 56.0 |
| 1.574000 | 29.4 | 2000.0 | 9.000 | On | N | 19.6 | 26.6 | 56.0 |
| 2.566000 | 29.8 | 2000.0 | 9.000 | On | N | 19.6 | 26.2 | 56.0 |

Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|-----------------|------------|-----------------|--------|------|------------|-------------|--------------|
| 0.430000 | 28.7 | 2000.0 | 9.000 | On | L1 | 19.7 | 18.5 | 47.3 |
| 0.466000 | 32.7 | 2000.0 | 9.000 | On | L1 | 19.7 | 13.9 | 46.6 |
| 0.918000 | 24.7 | 2000.0 | 9.000 | On | L1 | 19.7 | 21.3 | 46.0 |
| 1.590000 | 19.3 | 2000.0 | 9.000 | On | N | 19.6 | 26.7 | 46.0 |
| 2.566000 | 18.9 | 2000.0 | 9.000 | On | N | 19.6 | 27.1 | 46.0 |
| 4.402000 | 20.2 | 2000.0 | 9.000 | On | L1 | 19.6 | 25.8 | 46.0 |

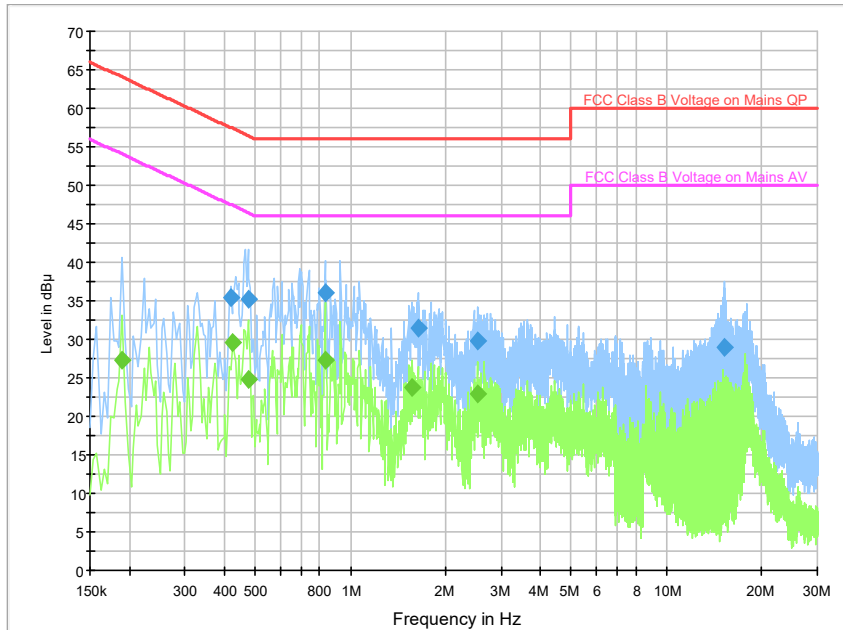


Fig.59 Conducted Emission(802.11a, IDLE)

Note: 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 | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|------------------|------------|-----------------|--------|------|------------|-------------|--------------|
| 0.418000 | 35.5 | 2000.0 | 9.000 | On | L1 | 19.7 | 22.0 | 57.5 |
| 0.474000 | 35.2 | 2000.0 | 9.000 | On | N | 19.7 | 21.3 | 56.4 |
| 0.830000 | 36.0 | 2000.0 | 9.000 | On | L1 | 19.7 | 20.0 | 56.0 |
| 1.634000 | 31.4 | 2000.0 | 9.000 | On | N | 19.6 | 24.6 | 56.0 |
| 2.518000 | 29.8 | 2000.0 | 9.000 | On | L1 | 19.6 | 26.2 | 56.0 |
| 15.162000 | 29.1 | 2000.0 | 9.000 | On | L1 | 19.7 | 30.9 | 60.0 |

Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|-----------------|-----------------|------------|-----------------|--------|------|------------|-------------|--------------|
| 0.190000 | 27.3 | 2000.0 | 9.000 | On | L1 | 19.7 | 26.7 | 54.0 |
| 0.426000 | 29.7 | 2000.0 | 9.000 | On | L1 | 19.7 | 17.7 | 47.3 |
| 0.474000 | 24.8 | 2000.0 | 9.000 | On | N | 19.7 | 21.7 | 46.4 |
| 0.830000 | 27.2 | 2000.0 | 9.000 | On | L1 | 19.7 | 18.8 | 46.0 |
| 1.574000 | 23.8 | 2000.0 | 9.000 | On | L1 | 19.6 | 22.2 | 46.0 |
| 2.514000 | 22.8 | 2000.0 | 9.000 | On | L1 | 19.6 | 23.2 | 46.0 |

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 |
|-------------------------|---------|

EUT ID: UT03a

Measurement Result:

| Mode | Frequency | 99% Occupied bandwidth (MHz) | | conclusion |
|---------------------|-----------|-------------------------------|-------|------------|
| 802.11a | 5180 MHz | Fig.60 | 17.11 | P |
| | 5200 MHz | Fig.61 | 17.07 | P |
| | 5240 MHz | Fig.62 | 17.10 | P |
| 802.11n HT20 | 5180 MHz | Fig.63 | 17.99 | P |
| | 5200 MHz | Fig.64 | 18.01 | P |
| | 5240 MHz | Fig.65 | 17.98 | P |
| 802.11n HT40 | 5190 MHz | Fig.66 | 36.04 | P |
| | 5230 MHz | Fig.67 | 36.13 | P |
| 802.11ac (VHT80) | 5210 MHz | Fig.68 | 75.28 | P |

Test graphs as below:

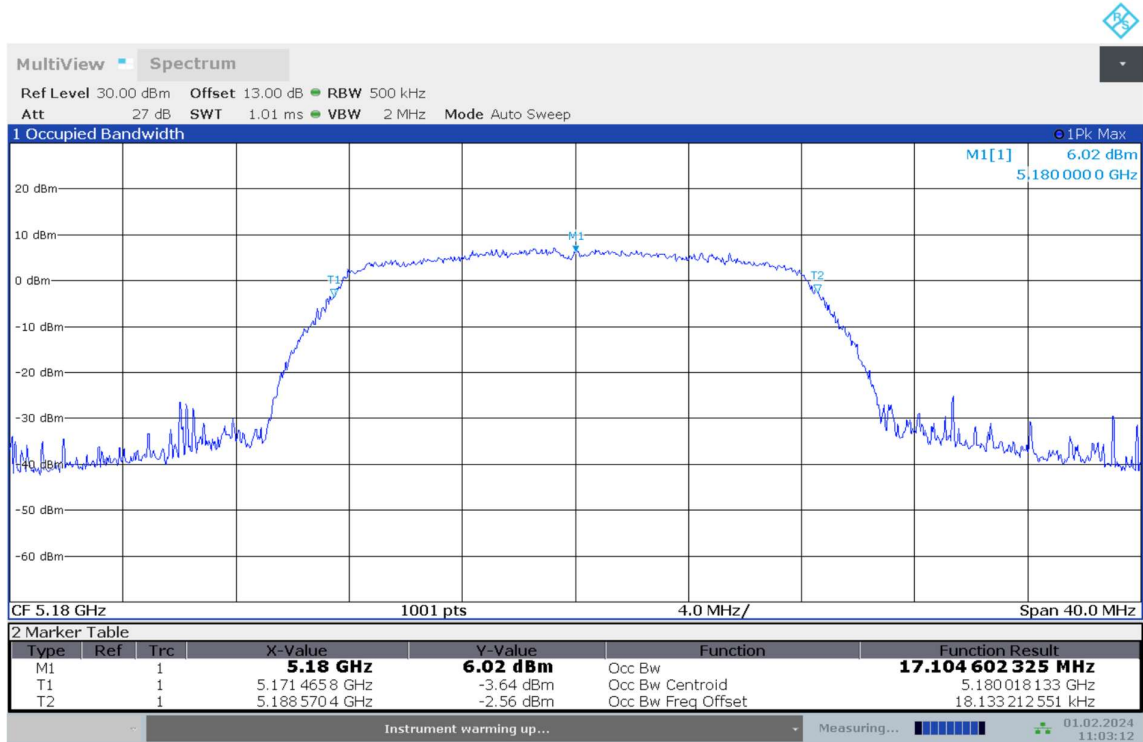


Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)

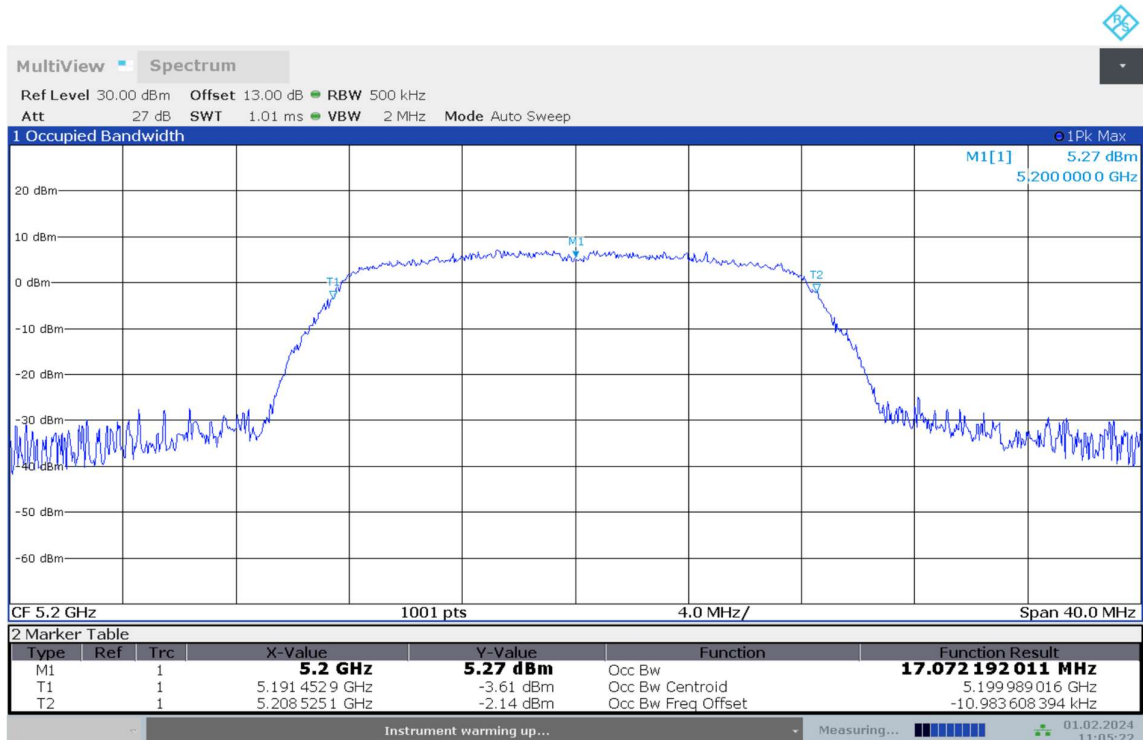


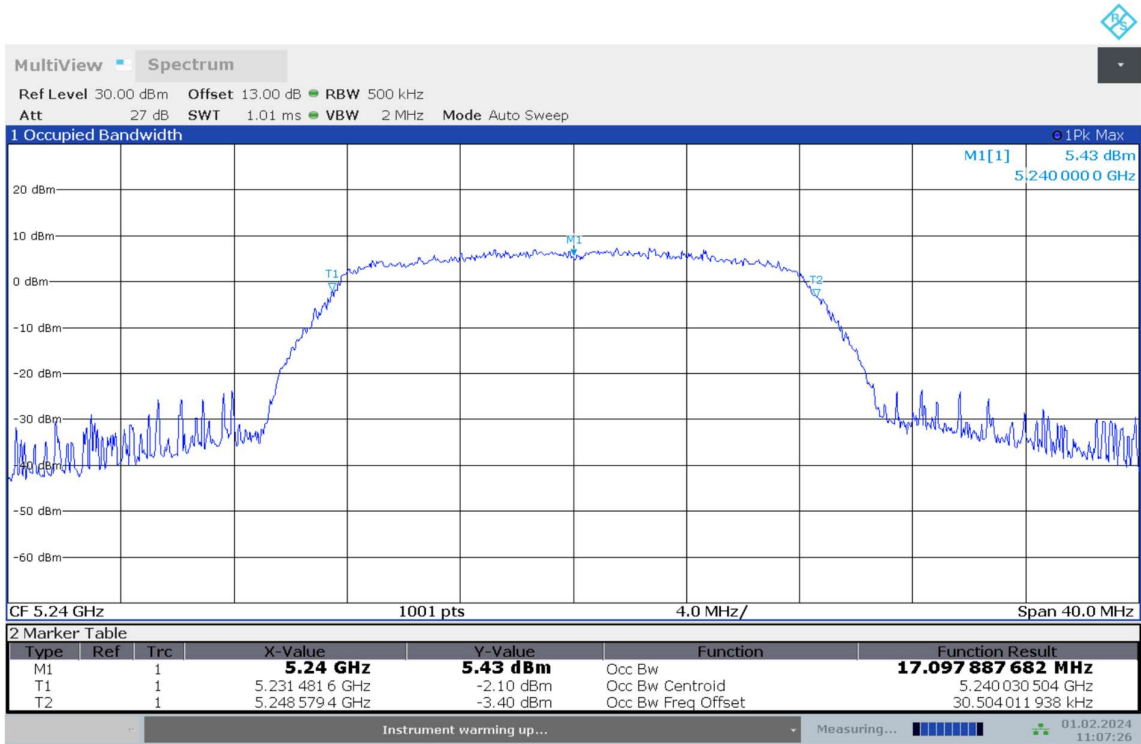
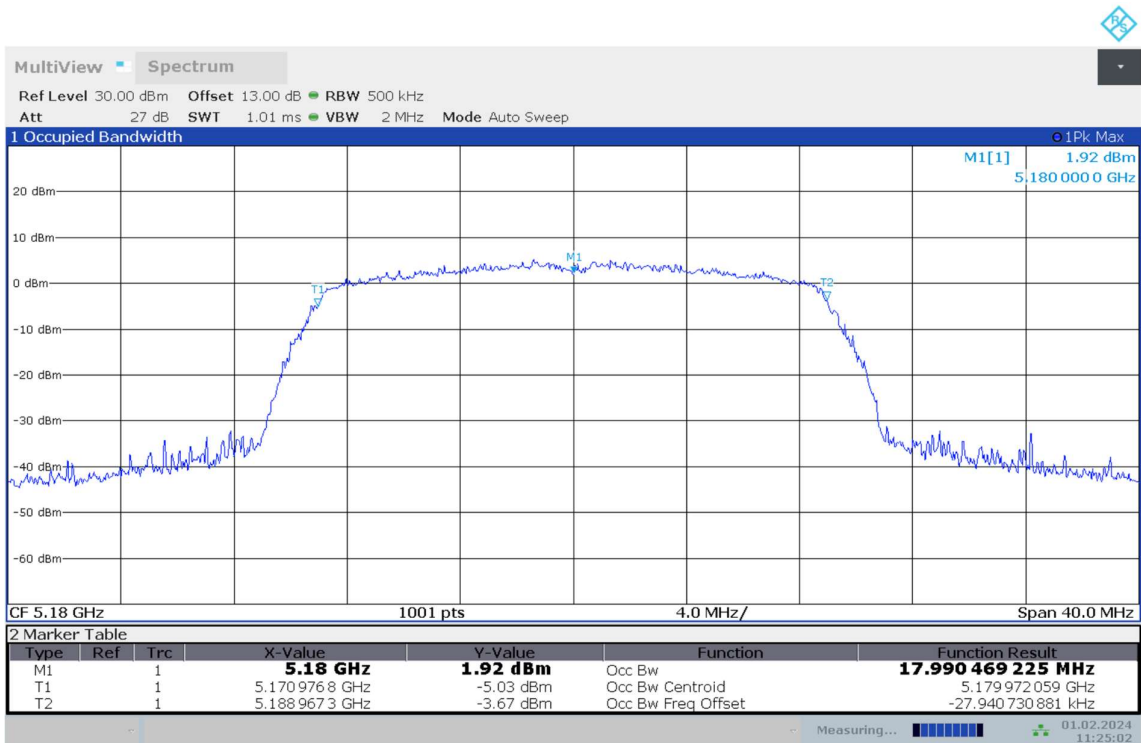
Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)

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


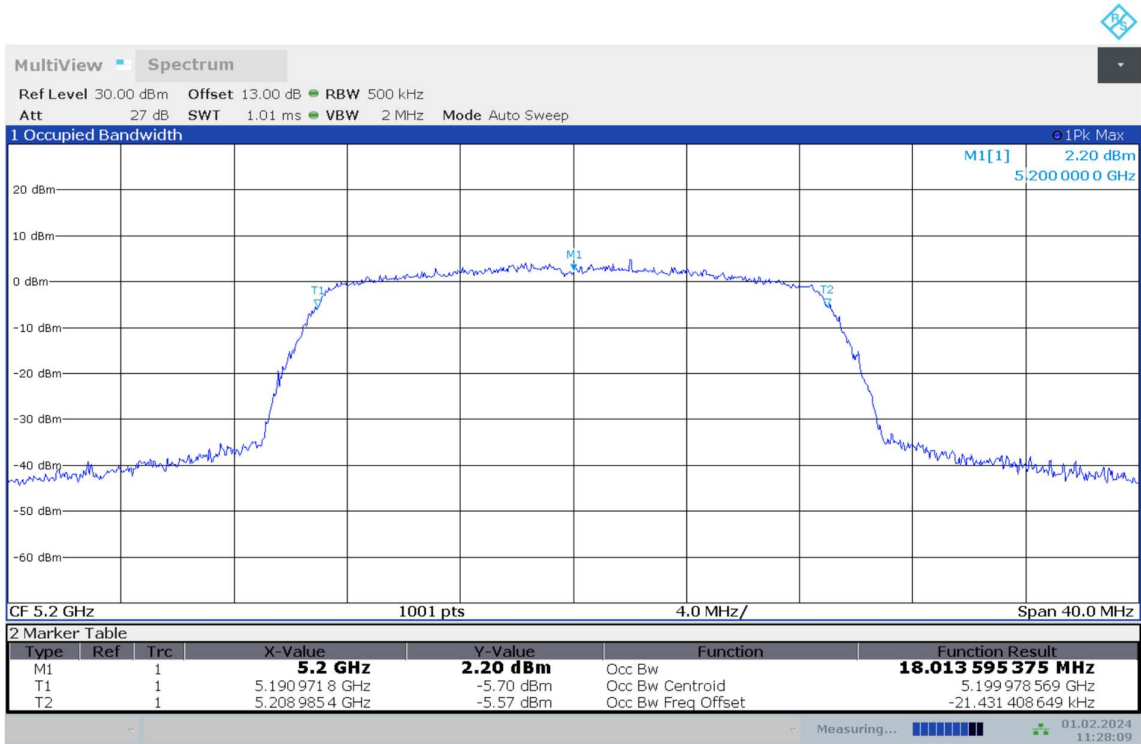
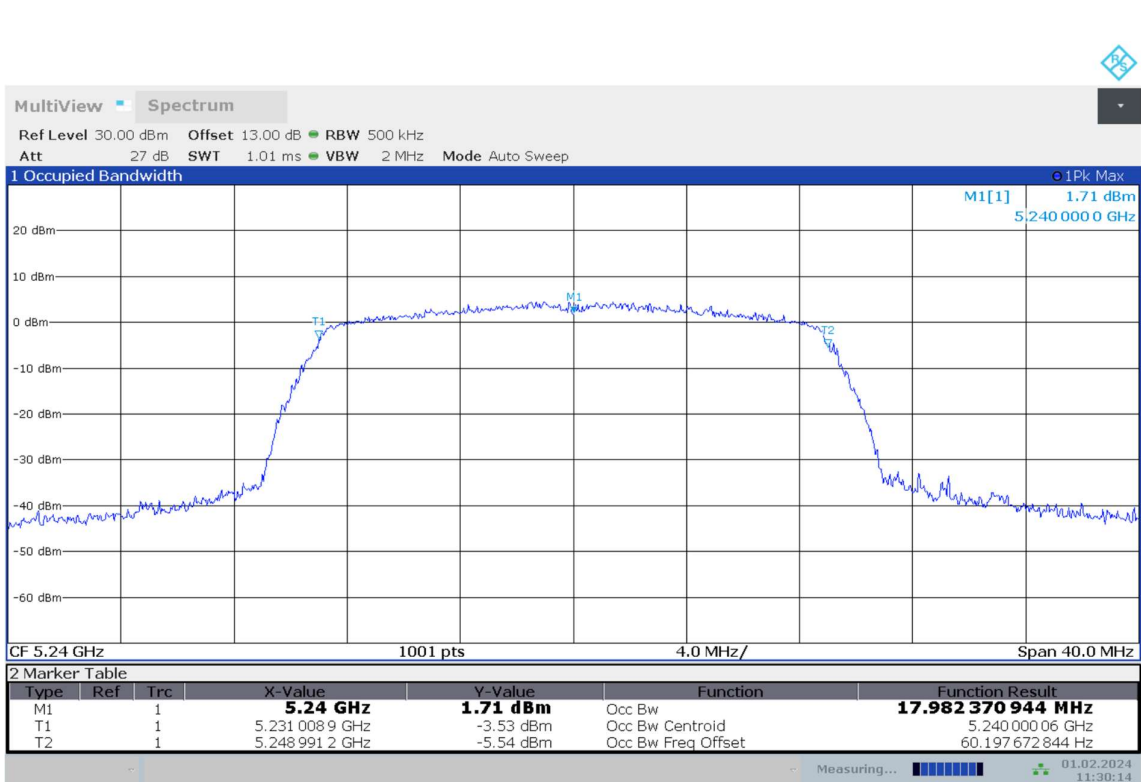
Fig.63 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

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


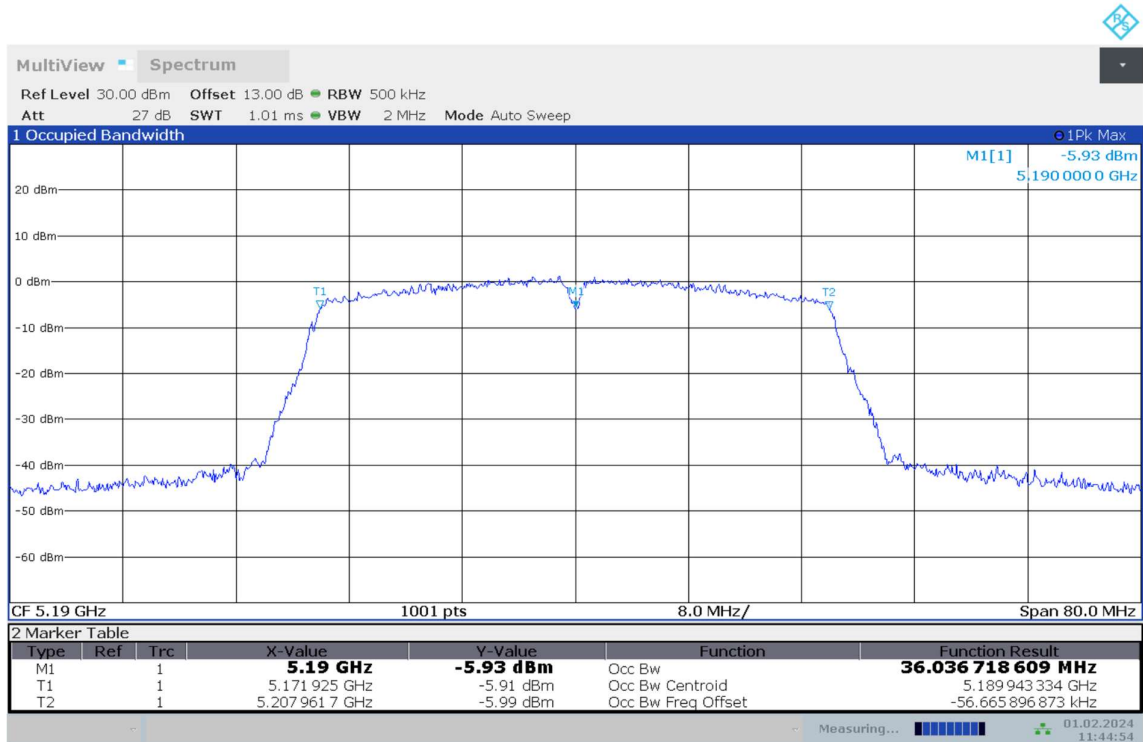
Fig.65 99% Occupied bandwidth (802.11n-HT20, 5240MHz)


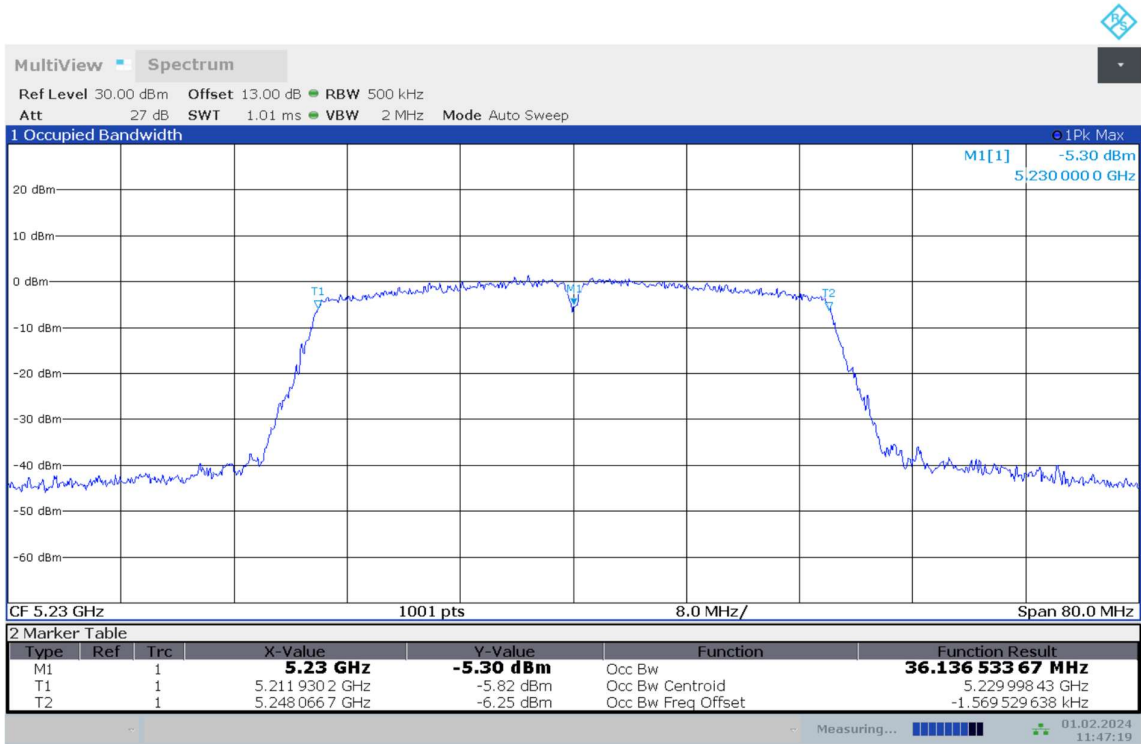
Fig.66 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

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


Fig.68 99% Occupied bandwidth (802.11ac-VHT80, 5210MHz)

Conclusion: PASS

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 antenna gain and 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



Accredited Laboratory

A2LA has accredited

TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 26th day of June 2023.



Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7049.01
Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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