



## **Appendix F**

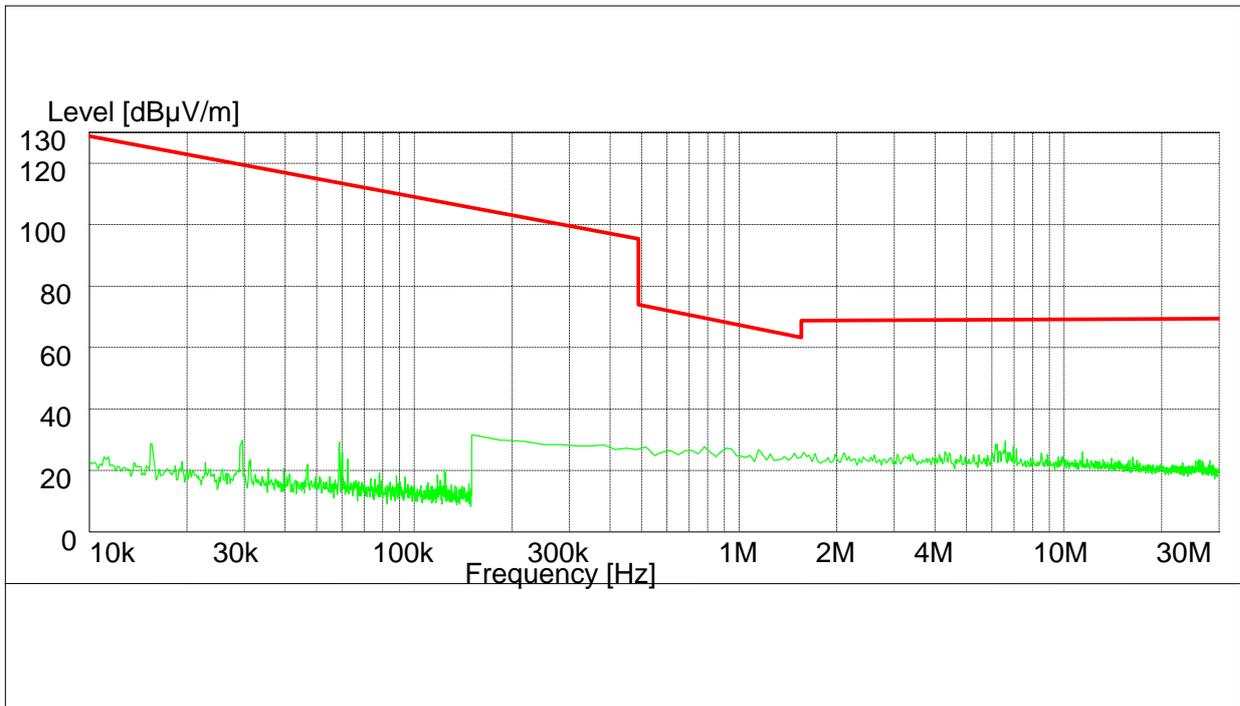
# Radiated spurious emission & spurious in restricted band

According to FCC Part 15.247 (d) & 15.205 & 15.209



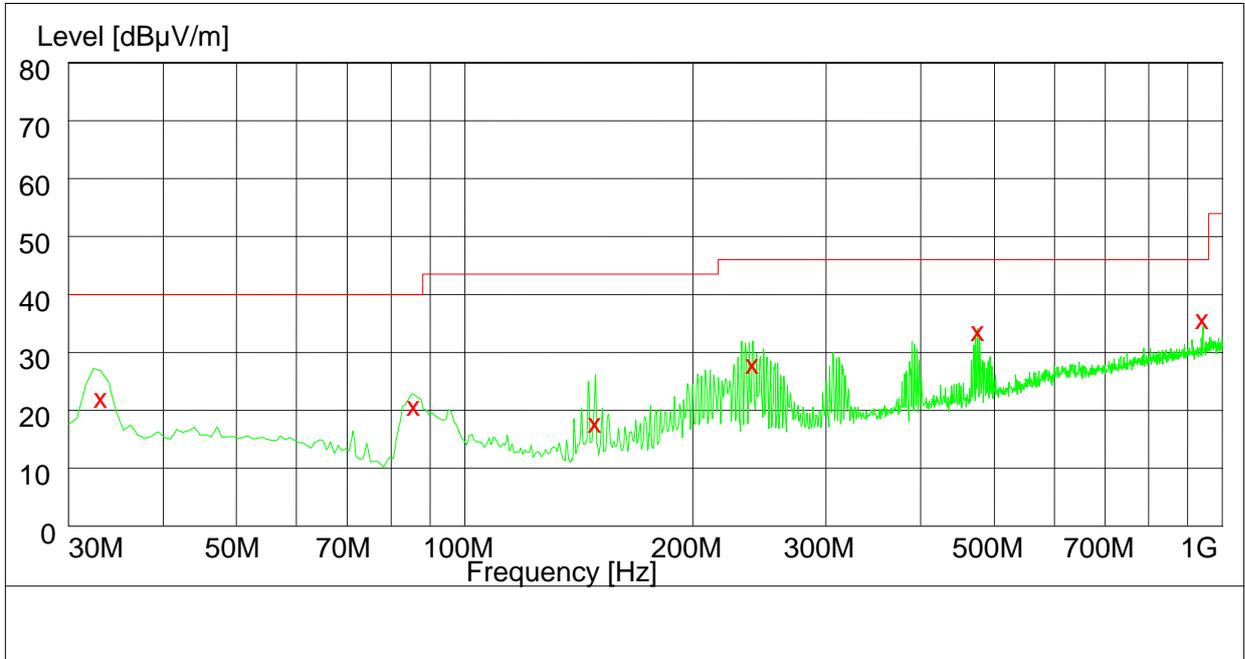
Note: This test was carried out in all the test modes, here only the worst test result was shown.

## Channel 1 10kHz to 30MHz





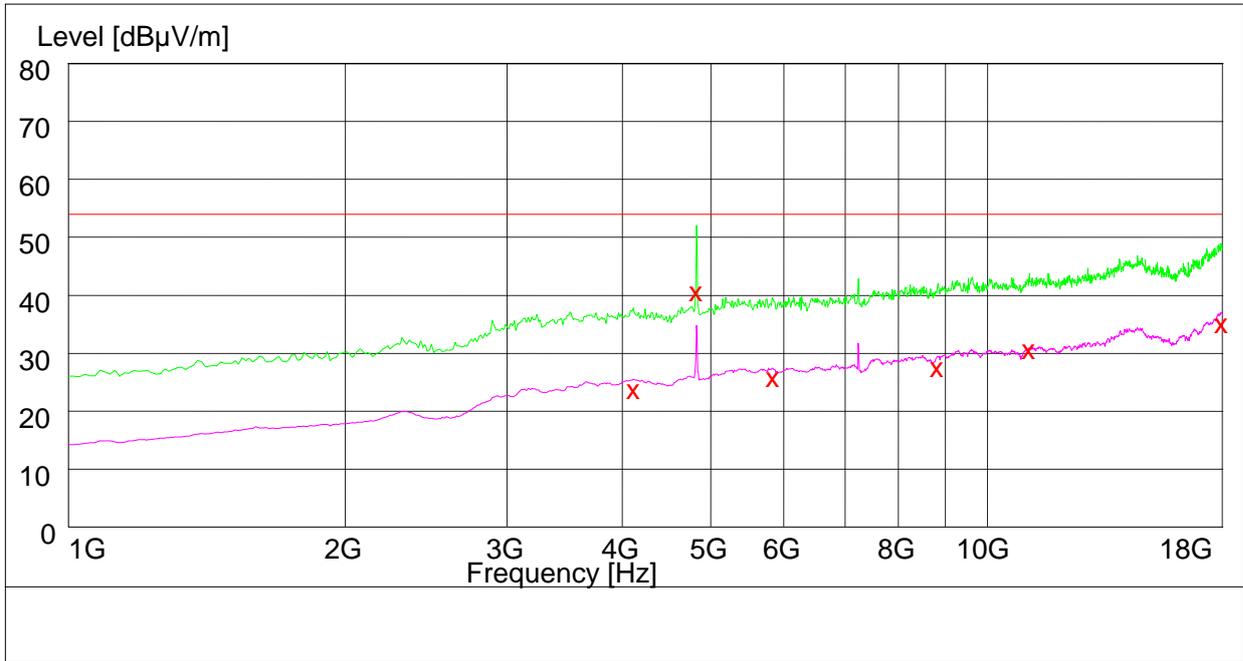
## 30MHz to 1GHz



| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Plarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|-------------|
| 33.120000     | 22.00        | 11.7      | 40.0         | 18.0      | 111.0     | 214.00      | VERTICAL    |
| 85.680000     | 20.60        | 10.4      | 40.0         | 19.4      | 124.0     | 109.00      | VERTICAL    |
| 148.800000    | 19.10        | 8.9       | 43.5         | 24.4      | 178.0     | 206.00      | VERTICAL    |
| 240.000000    | 29.10        | 14.0      | 46.0         | 16.9      | 132.0     | 292.00      | HORIZONTAL  |
| 476.040000    | 34.90        | 19.5      | 46.0         | 11.1      | 152.0     | 35.00       | HORIZONTAL  |
| 942.420000    | 36.90        | 26.6      | 46.0         | 9.1       | 104.0     | 297.00      | VERTICAL    |



# 1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 4121.000000   | 25.10        | -5.7      | 54.0         | 28.9      | 115.0     | 198.00      | HORIZONTAL   |
| 4824.000000   | 40.70        | -4.1      | 54.0         | 13.3      | 100.0     | 322.00      | HORIZONTAL   |
| 5843.500000   | 27.10        | -1.8      | 54.0         | 26.9      | 151.0     | 92.00       | VERTICAL     |
| 8812.500000   | 28.80        | 3.6       | 54.0         | 25.2      | 146.0     | 264.00      | HORIZONTAL   |
| 11097.500000  | 30.50        | 6.9       | 54.0         | 23.5      | 100.0     | 132.00      | HORIZONTAL   |
| 17972.000000  | 36.30        | 17.1      | 54.0         | 17.7      | 168.0     | 169.00      | HORIZONTAL   |

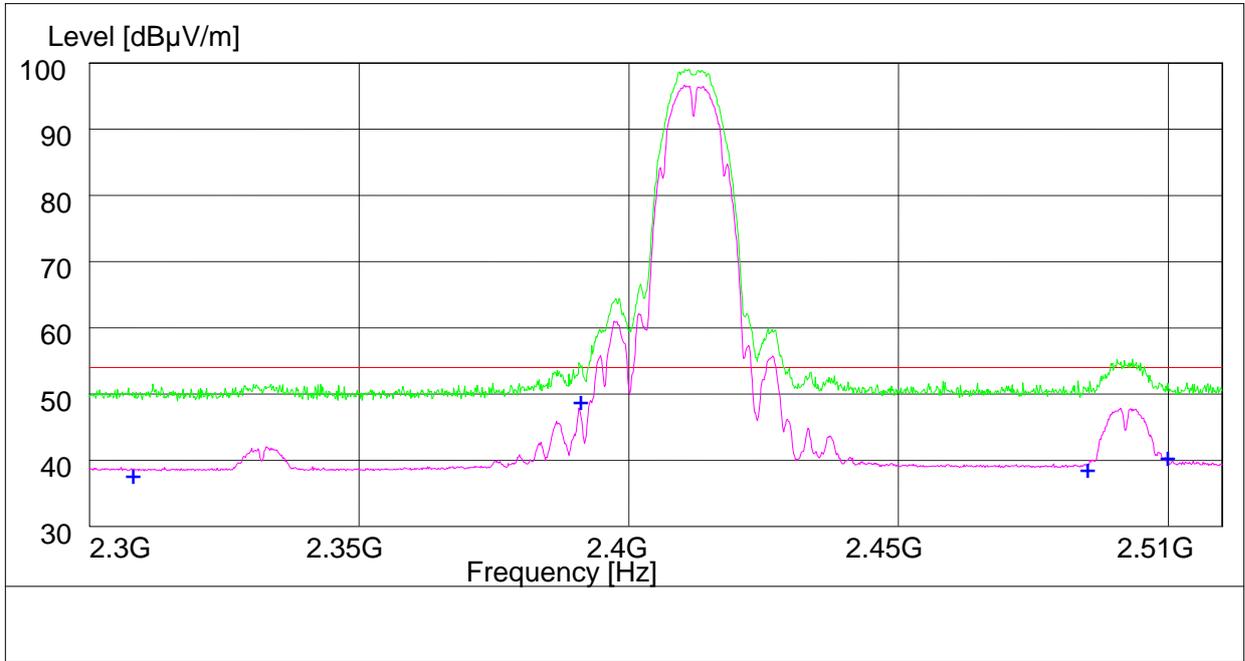


# 18GHz to 26GHz

Note: No peak found in pre- test.



## 2GHz to 3GHz



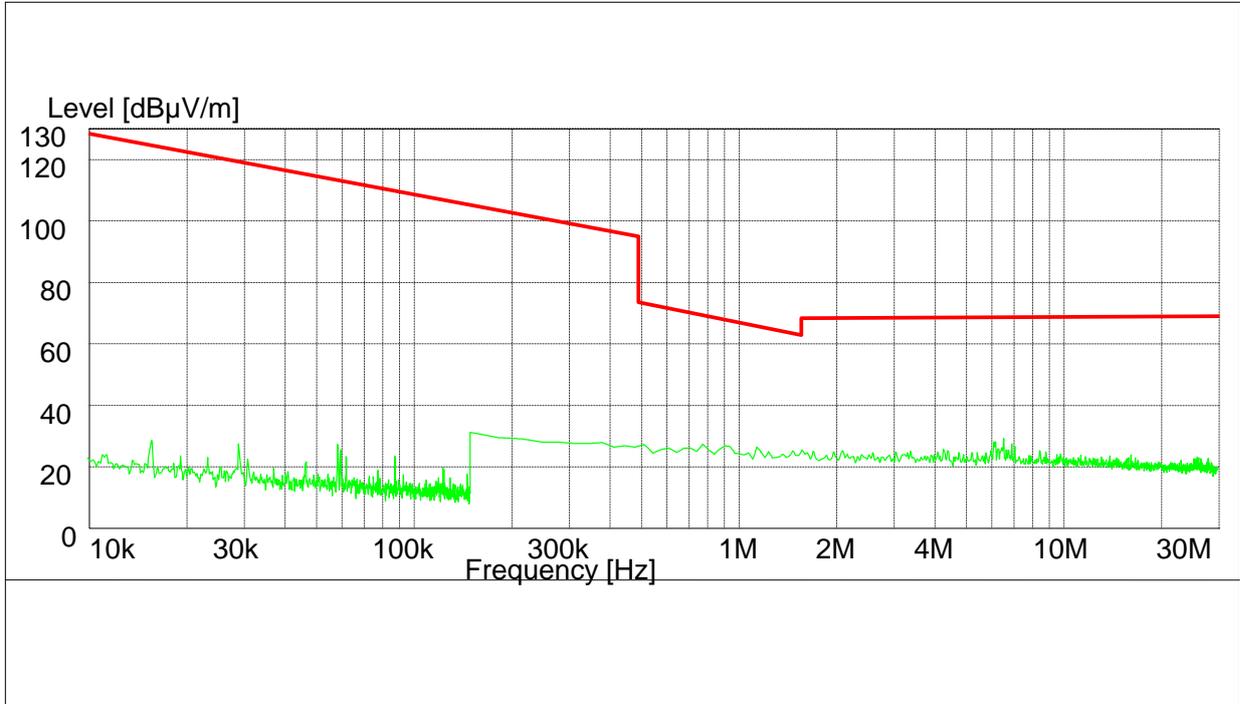
Note: The peak exceeds the limit line is carrier frequency.

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2310.000000   | 38.00        | 33.3      | 54.0         | 16.0      | 135.0     | 236.00      | VERTICAL     |
| 2390.000000   | 49.90        | 33.5      | 54.0         | 4.1       | 119.0     | 272.00      | HORIZONTAL   |
| 2483.500000   | 39.10        | 33.7      | 54.0         | 14.9      | 100.0     | 339.00      | HORIZONTAL   |
| 2500.000000   | 40.60        | 33.8      | 54.0         | 13.4      | 100.0     | 342.00      | VERTICAL     |



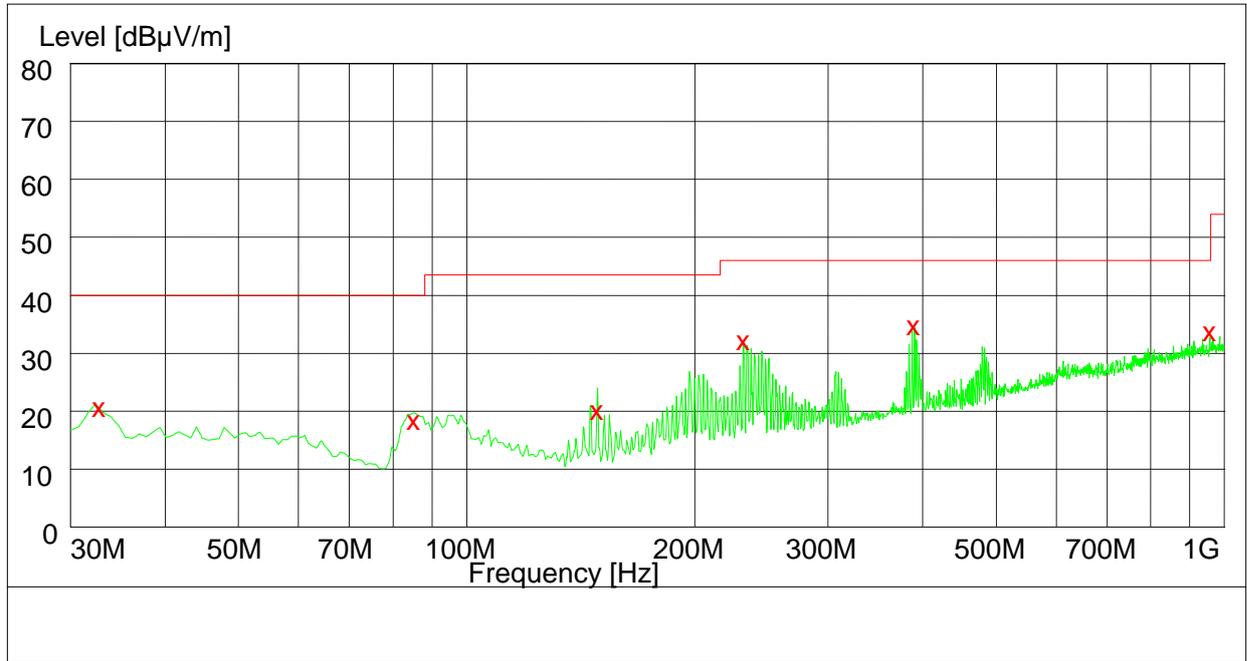
# Channel 6

## 10 kHz to 30MHz





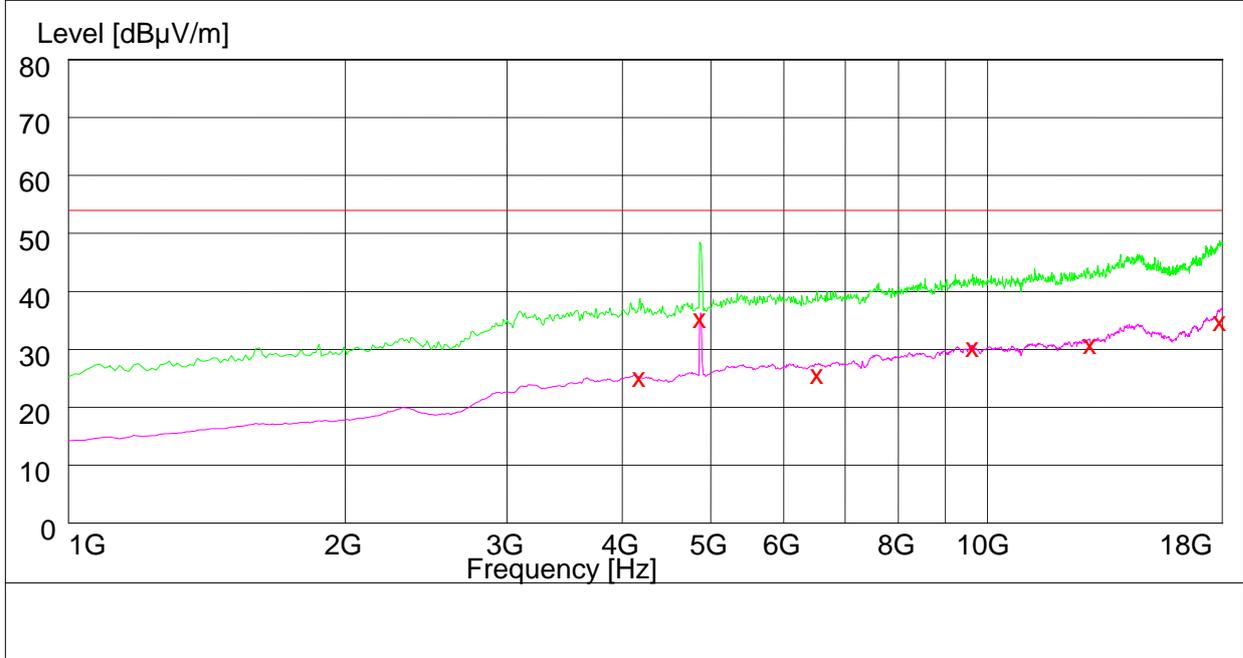
## 30MHz to 1GHz



| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 32.760000     | 20.10        | 11.7      | 40.0         | 19.9      | 100.0     | 52.00       | VERTICAL     |
| 85.320000     | 19.60        | 10.3      | 40.0         | 20.4      | 124.0     | 103.00      | VERTICAL     |
| 148.800000    | 20.00        | 8.9       | 43.5         | 23.5      | 105.0     | 360.00      | VERTICAL     |
| 232.020000    | 32.40        | 13.6      | 46.0         | 13.6      | 114.0     | 202.00      | HORIZONTAL   |
| 389.820000    | 35.90        | 17.9      | 46.0         | 10.1      | 132.0     | 304.00      | HORIZONTAL   |
| 957.360000    | 35.00        | 26.7      | 46.0         | 11.0      | 125.0     | 46.00       | HORIZONTAL   |



# 1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 4179.000000   | 25.00        | -5.6      | 54.0         | 29.0      | 105.0     | 90.00       | HORIZONTAL   |
| 4869.500000   | 36.60        | -4.0      | 54.0         | 17.4      | 100.0     | 323.00      | HORIZONTAL   |
| 6529.000000   | 26.80        | -0.9      | 54.0         | 27.2      | 141.0     | 223.00      | VERTICAL     |
| 9630.000000   | 30.20        | 5.1       | 54.0         | 23.8      | 163.0     | 47.00       | HORIZONTAL   |
| 12933.500000  | 30.70        | 8.7       | 54.0         | 23.3      | 200.0     | 108.00      | VERTICAL     |
| 17896.000000  | 36.00        | 16.6      | 54.0         | 18.0      | 101.0     | 71.00       | HORIZONTAL   |

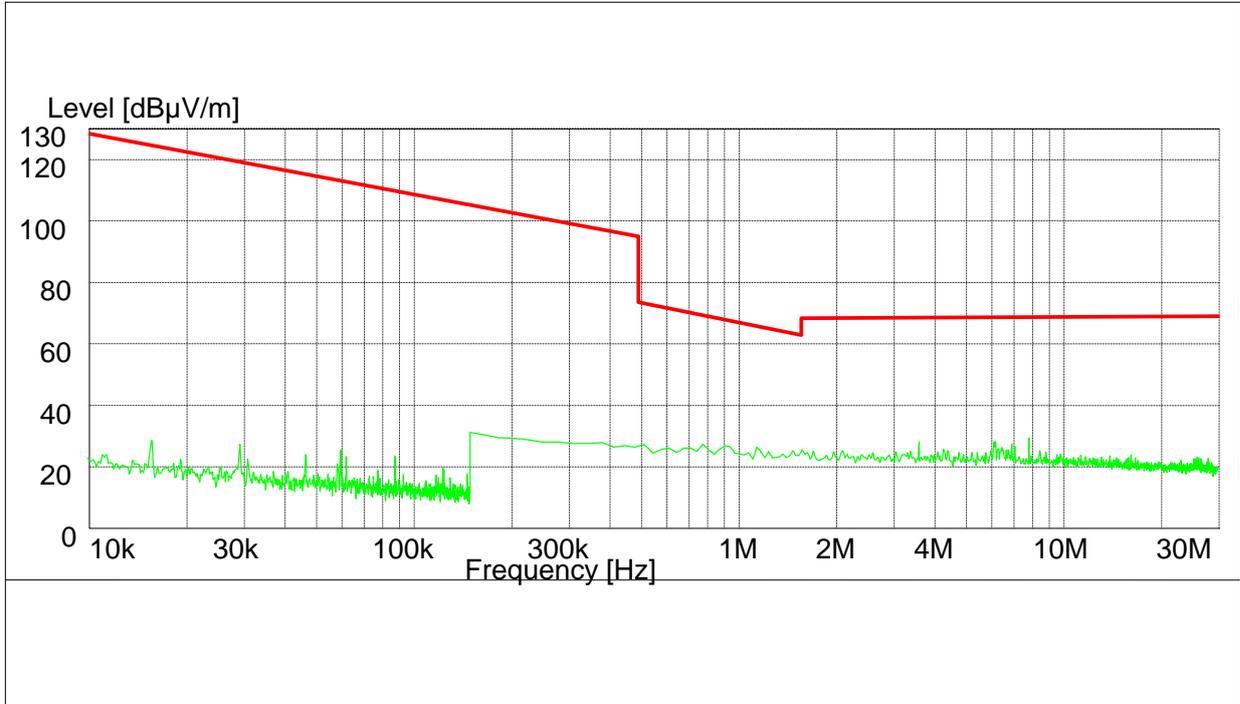


# 18GHz to 26GHz

Note: No peak found in pre- test.

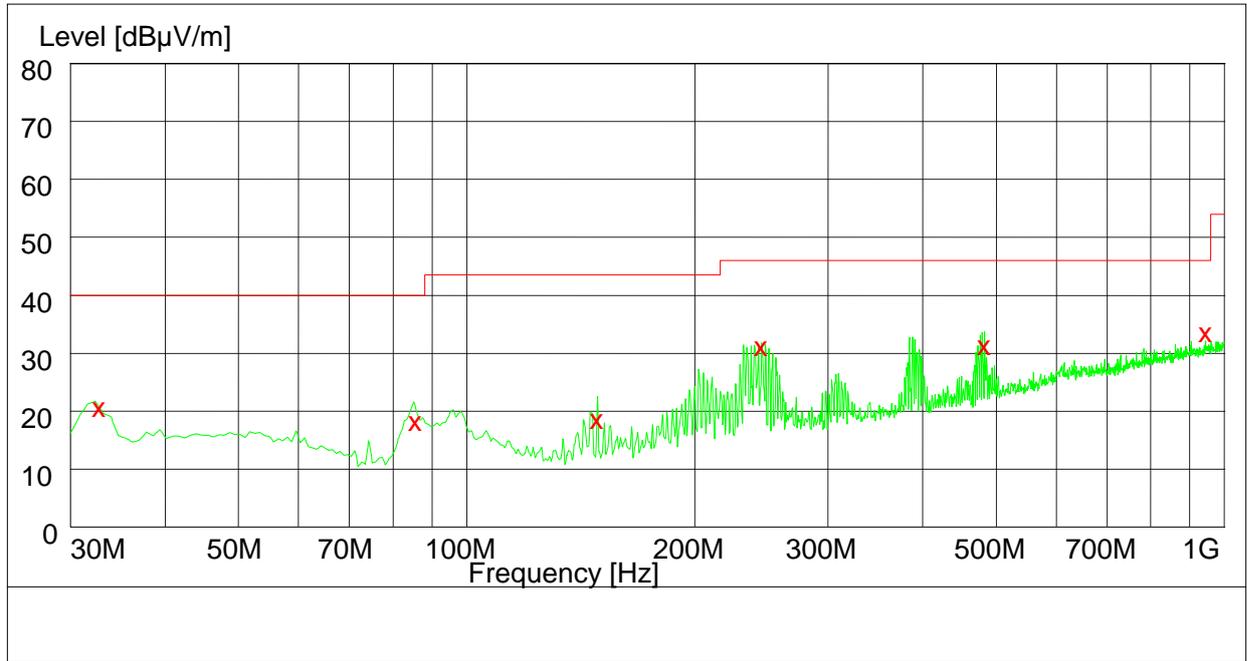


# Channel 11 10 kHz to 30 MHz





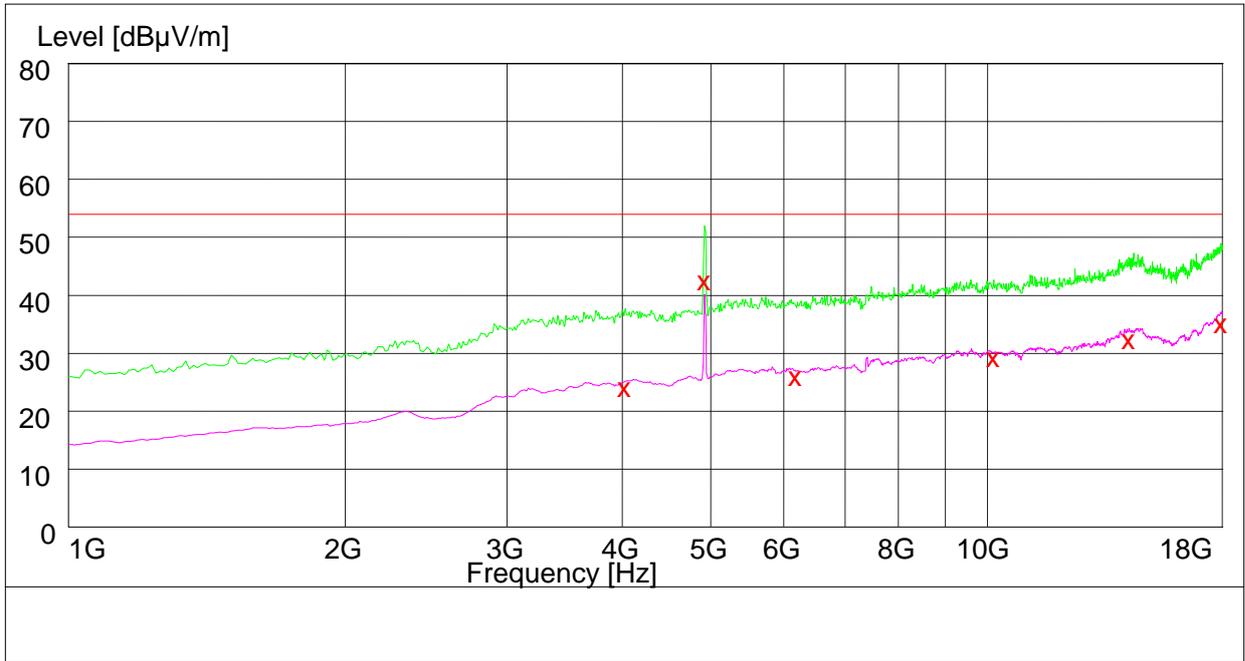
## 30MHz to 1GHz



| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 32.760000     | 20.80        | 11.7      | 40.0         | 19.2      | 140.0     | 51.00       | VERTICAL     |
| 85.620000     | 19.50        | 10.4      | 40.0         | 20.5      | 221.0     | 0.00        | VERTICAL     |
| 148.860000    | 19.80        | 8.9       | 43.5         | 23.7      | 105.0     | 359.00      | VERTICAL     |
| 245.280000    | 32.40        | 14.1      | 46.0         | 13.6      | 120.0     | 211.00      | HORIZONTAL   |
| 482.460000    | 32.50        | 19.7      | 46.0         | 13.5      | 100.0     | 16.00       | HORIZONTAL   |
| 945.780000    | 34.80        | 26.6      | 46.0         | 11.2      | 173.0     | 68.00       | VERTICAL     |



# 1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 4030.000000   | 24.70        | -5.7      | 54.0         | 29.3      | 191.0     | 66.00       | HORIZONTAL   |
| 4923.500000   | 43.70        | -3.8      | 54.0         | 10.3      | 104.0     | 0.00        | VERTICAL     |
| 6181.000000   | 26.40        | -1.4      | 54.0         | 27.6      | 187.0     | 353.00      | VERTICAL     |
| 10155.000000  | 29.70        | 5.3       | 54.0         | 24.3      | 151.0     | 134.00      | VERTICAL     |
| 14240.500000  | 33.60        | 11.6      | 54.0         | 20.4      | 200.0     | 262.00      | VERTICAL     |
| 17949.000000  | 36.20        | 17.0      | 54.0         | 17.8      | 100.0     | 261.00      | HORIZONTAL   |

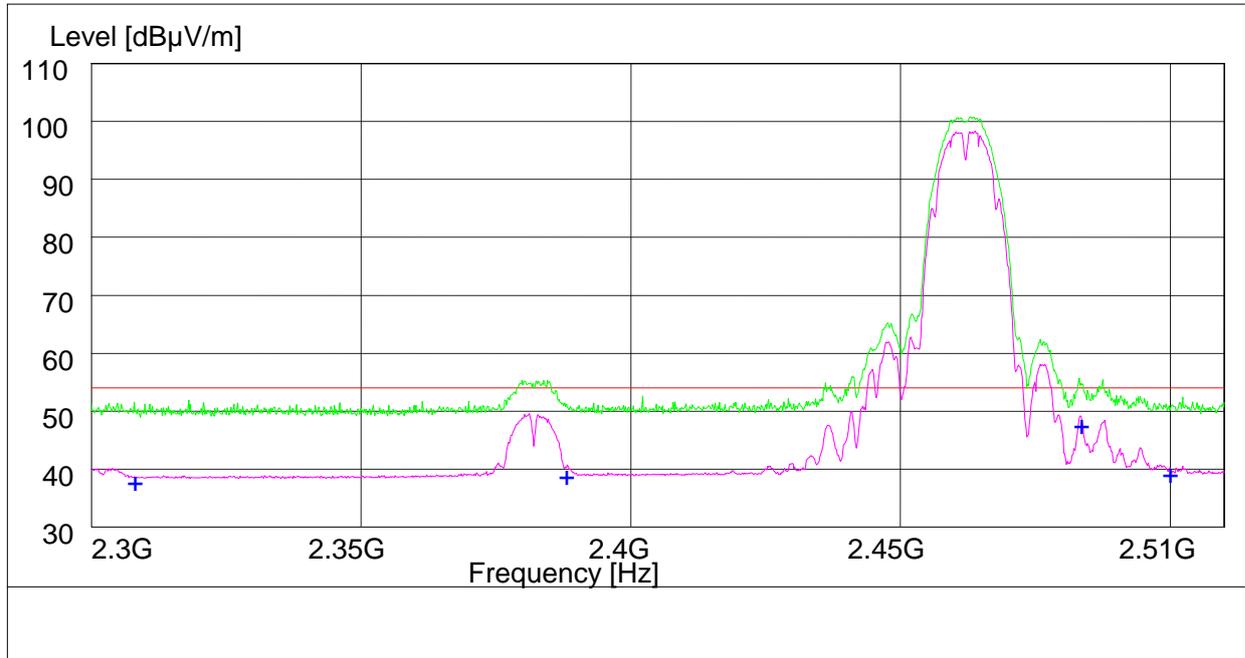


# 18GHz to 26GHz

Note: No peak found in pre- test.



## 2GHz to 3GHz



Note: The peak exceeds the limit line is carrier frequency.

| Frequency MHz | Level dBμV/m | Transd dB | Limit dBμV/m | Margin dB | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|-----------|-------------|--------------|
| 2310.000000   | 38.00        | 33.3      | 54.0         | 16.0      | 133.0     | 204.00      | VERTICAL     |
| 2390.000000   | 39.90        | 33.5      | 54.0         | 14.1      | 118.0     | 65.00       | HORIZONTAL   |
| 2483.500000   | 48.80        | 33.7      | 54.0         | 5.2       | 106.0     | 347.00      | VERTICAL     |
| 2500.000000   | 39.90        | 33.8      | 54.0         | 14.1      | 103.0     | 342.00      | HORIZONTAL   |