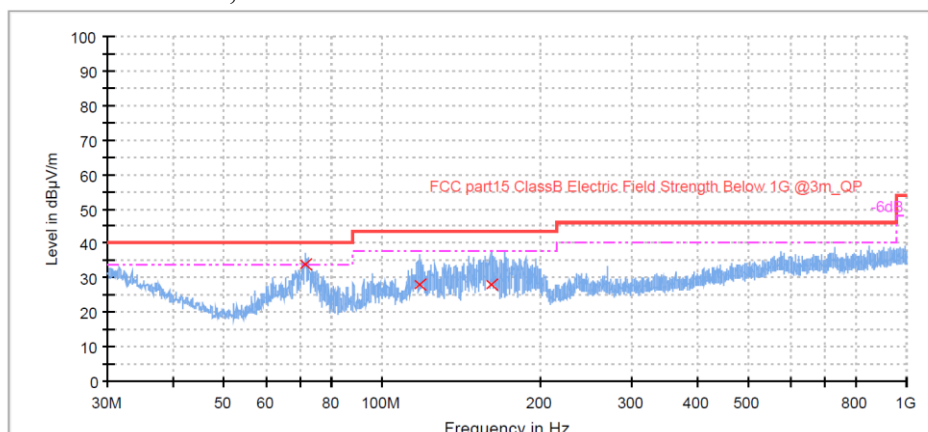


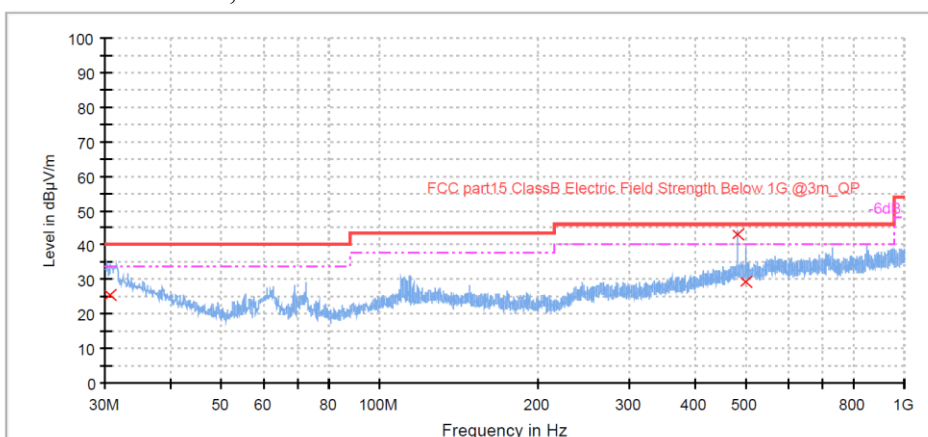
Figure 10: Spectral Diagrams, Radiated Spurious Emission, Mode B.2

30MHz-1000MHz, Horizontal

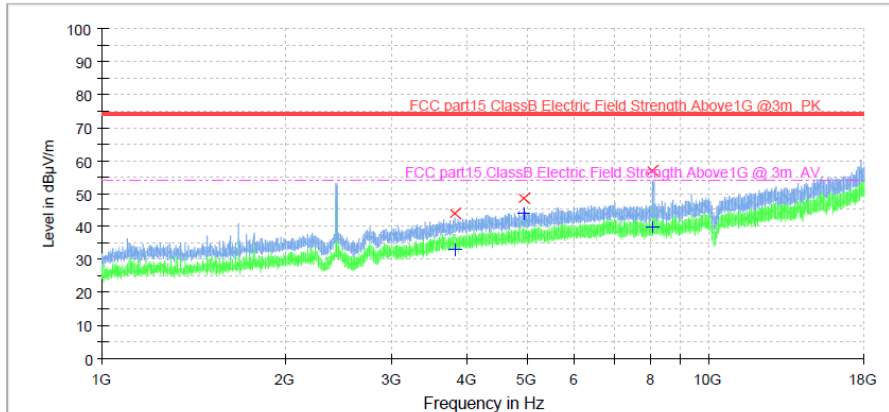

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
71.550000	33.8	1000.0	120.000	H	13.0	6.3	40.0
118.000000	27.8	1000.0	120.000	H	19.0	15.7	43.5
162.190000	27.9	1000.0	120.000	H	16.9	15.6	43.5

30MHz-1000MHz, Vertical


Limit and Margin

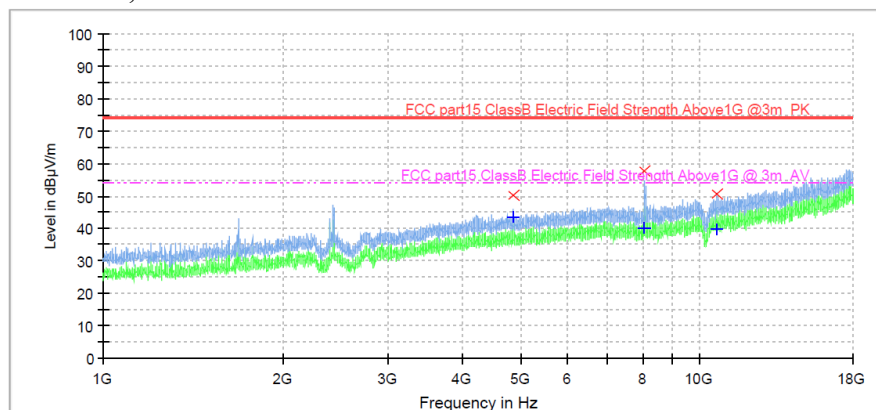
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.750000	25.7	1000.0	120.000	V	25.0	14.3	40.0
479.970000	43.2	1000.0	120.000	V	25.2	2.8	46.0
499.800000	29.3	1000.0	120.000	V	25.5	16.7	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3822.000000	44.1	1000.0	1000.000	150.0	H	0.0	1.2	29.9	74.0
4944.000000	48.4	1000.0	1000.000	150.0	H	0.0	4.1	25.6	74.0
8083.685000	56.9	1000.0	1000.000	150.0	H	0.0	8.9	17.1	74.0

Limit and Margin-AV

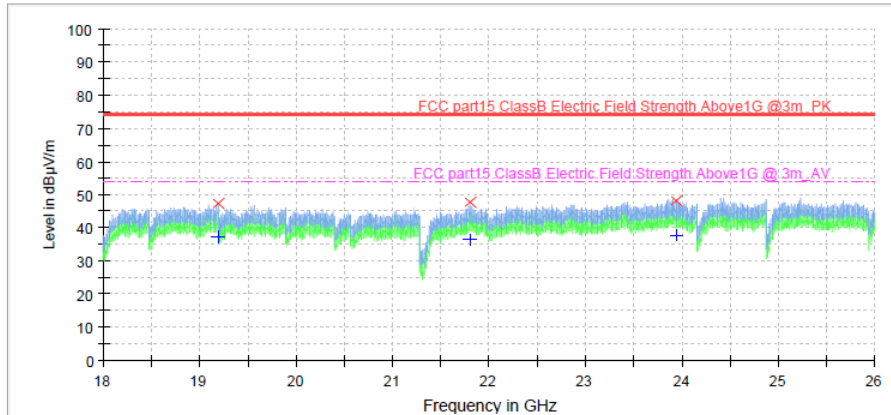
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3822.000000	33.2	1000.0	1000.000	150.0	H	0.0	1.2	20.9	54.0
4944.000000	44.1	1000.0	1000.000	150.0	H	0.0	4.1	9.9	54.0
8083.685000	39.8	1000.0	1000.000	150.0	H	0.0	8.9	14.2	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4864.310000	50.3	1000.0	1000.000	150.0	V	0.0	3.9	23.7	74.0
8070.935000	57.7	1000.0	1000.000	150.0	V	0.0	8.9	16.3	74.0
10686.810000	50.6	1000.0	1000.000	150.0	V	0.0	11.9	23.4	74.0

Limit and Margin-AV

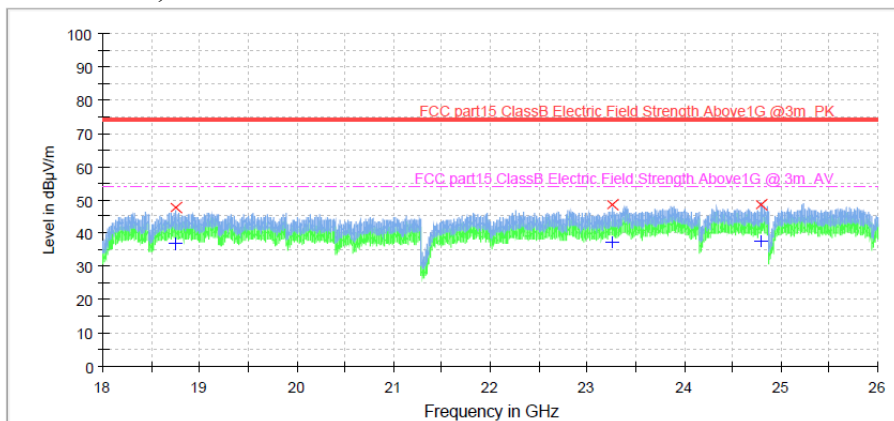
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4864.310000	43.7	1000.0	1000.000	150.0	V	0.0	3.9	10.4	54.0
8070.935000	40.1	1000.0	1000.000	150.0	V	0.0	8.9	13.9	54.0
10686.810000	39.6	1000.0	1000.000	150.0	V	0.0	11.9	14.4	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19185.500000	47.4	1000.0	1000.000	150.0	H	0.0	-9.3	26.6	74.0
21810.250000	47.6	1000.0	1000.000	150.0	H	0.0	-7.6	26.4	74.0
23945.000000	48.1	1000.0	1000.000	150.0	H	0.0	-4.5	25.9	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19185.500000	37.1	1000.0	1000.000	150.0	H	0.0	-9.3	16.9	54.0
21810.250000	36.5	1000.0	1000.000	150.0	H	0.0	-7.6	17.5	54.0
23945.000000	37.5	1000.0	1000.000	150.0	H	0.0	-4.5	16.5	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18745.500000	47.6	1000.0	1000.000	150.0	V	0.0	-9.2	26.4	74.0
23251.750000	48.4	1000.0	1000.000	150.0	V	0.0	-4.8	25.6	74.0
24791.500000	48.5	1000.0	1000.000	150.0	V	0.0	-4.4	25.5	74.0

Limit and Margin-AV

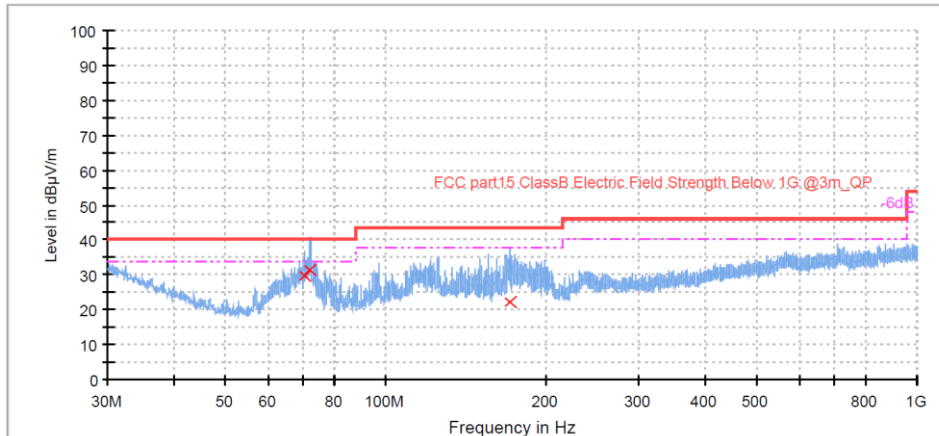
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18745.500000	36.7	1000.0	1000.000	150.0	V	0.0	-9.2	17.3	54.0
23251.750000	37.3	1000.0	1000.000	150.0	V	0.0	-4.8	16.7	54.0
24791.500000	37.6	1000.0	1000.000	150.0	V	0.0	-4.4	16.4	54.0

Prüfbericht - Nr.: CN254RKU 001
Test Report No.:

Seite 49 von 78
Page 49 of 78

Figure 11: Spectral Diagrams, Radiated Spurious Emission, Mode B.3

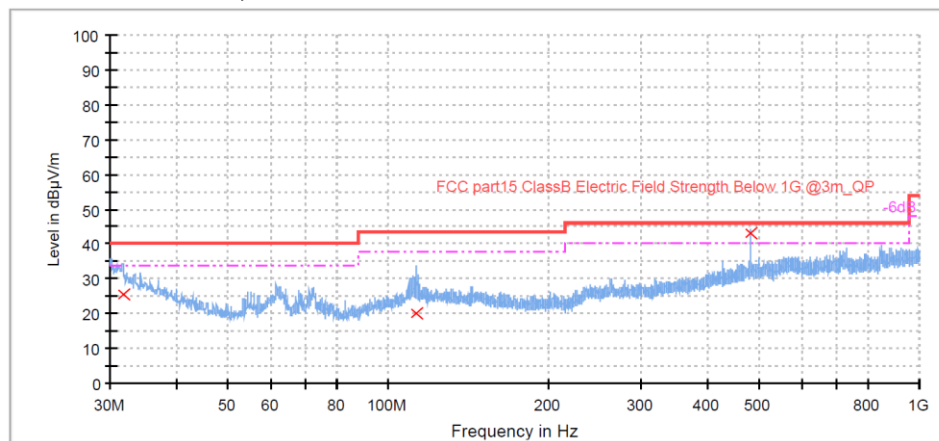
30MHz-1000MHz, Horizontal



Limit and Margin

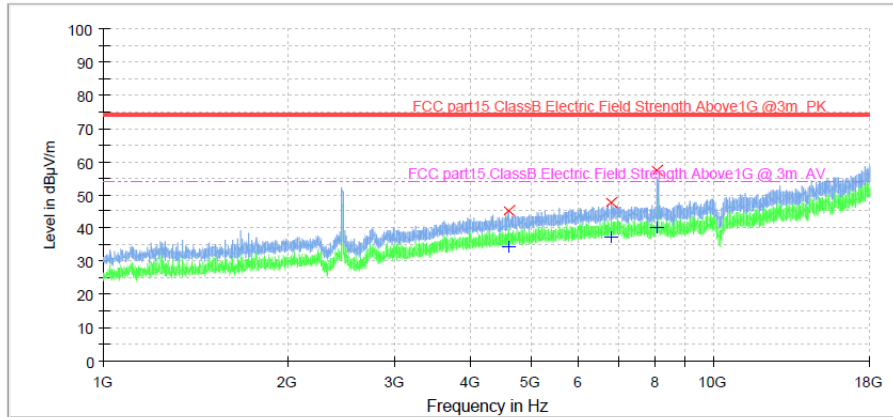
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
70.360000	29.7	1000.0	120.000	H	12.9	10.3	40.0
72.190000	31.4	1000.0	120.000	H	13.0	8.6	40.0
171.030000	22.2	1000.0	120.000	H	16.6	21.3	43.5

30MHz-1000MHz, Vertical



Limit and Margin

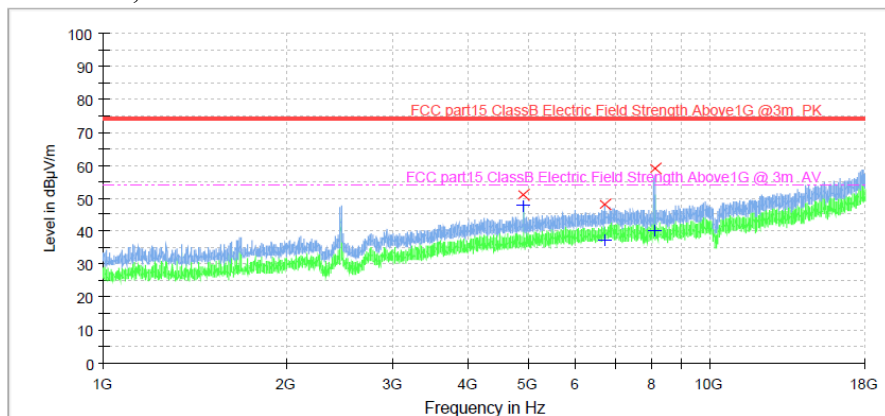
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.670000	25.6	1000.0	120.000	V	24.5	14.5	40.0
113.310000	19.9	1000.0	120.000	V	18.9	23.6	43.5
479.970000	43.1	1000.0	120.000	V	25.2	2.9	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4597.625000	45.3	1000.0	1000.000	150.0	H	0.0	3.1	28.8	74.0
6775.220000	47.8	1000.0	1000.000	150.0	H	0.0	8.0	26.2	74.0
8079.970000	57.2	1000.0	1000.000	150.0	H	0.0	8.9	16.8	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4597.625000	34.2	1000.0	1000.000	150.0	H	0.0	3.1	19.8	54.0
6775.220000	37.4	1000.0	1000.000	150.0	H	0.0	8.0	16.6	54.0
8079.970000	40.0	1000.0	1000.000	150.0	H	0.0	8.9	14.0	54.0

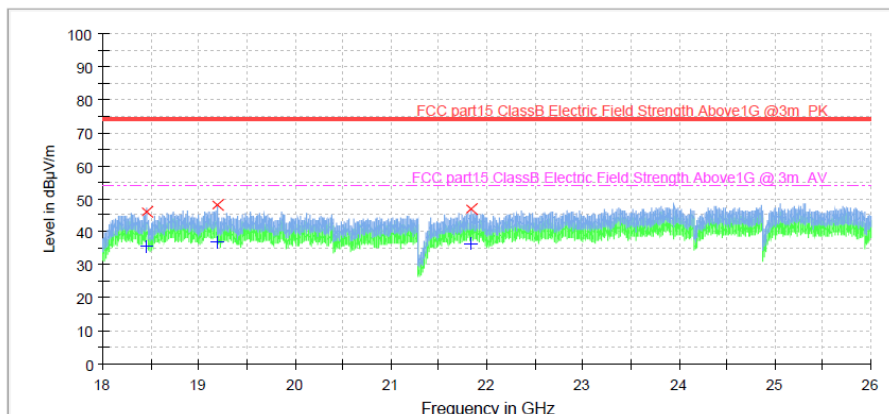
1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4923.810000	51.2	1000.0	1000.000	150.0	V	0.0	4.1	22.9	74.0
6695.000000	47.9	1000.0	1000.000	150.0	V	0.0	7.8	26.1	74.0
8100.685000	58.8	1000.0	1000.000	150.0	V	0.0	8.9	15.2	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4923.810000	47.5	1000.0	1000.000	150.0	V	0.0	4.1	6.5	54.0
6695.000000	37.2	1000.0	1000.000	150.0	V	0.0	7.8	16.8	54.0
8100.685000	40.3	1000.0	1000.000	150.0	V	0.0	8.9	13.7	54.0

18GHz-25GHz, Horizontal



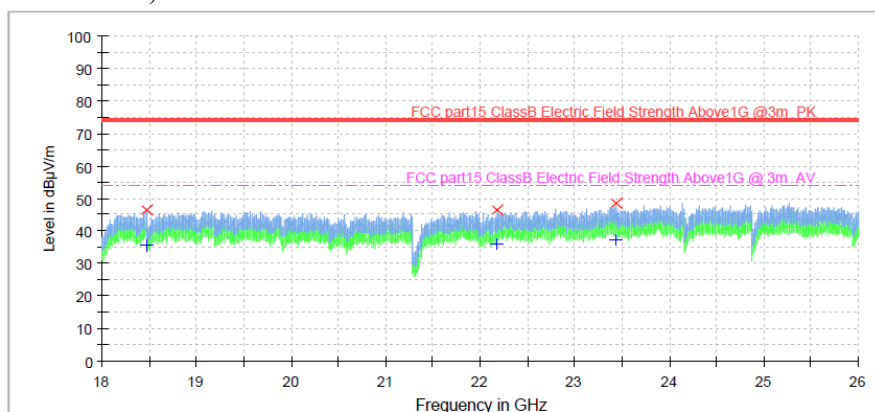
Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18459.000000	46.2	1000.0	1000.000	150.0	H	0.0	-9.2	27.9	74.0
19188.750000	48.1	1000.0	1000.000	150.0	H	0.0	-9.3	25.9	74.0
21839.000000	46.9	1000.0	1000.000	150.0	H	0.0	-7.5	27.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18459.000000	35.6	1000.0	1000.000	150.0	H	0.0	-9.2	18.4	54.0
19188.750000	36.9	1000.0	1000.000	150.0	H	0.0	-9.3	17.1	54.0
21839.000000	36.2	1000.0	1000.000	150.0	H	0.0	-7.5	17.8	54.0

18GHz-25GHz, Vertical



Limit and Margin-PK

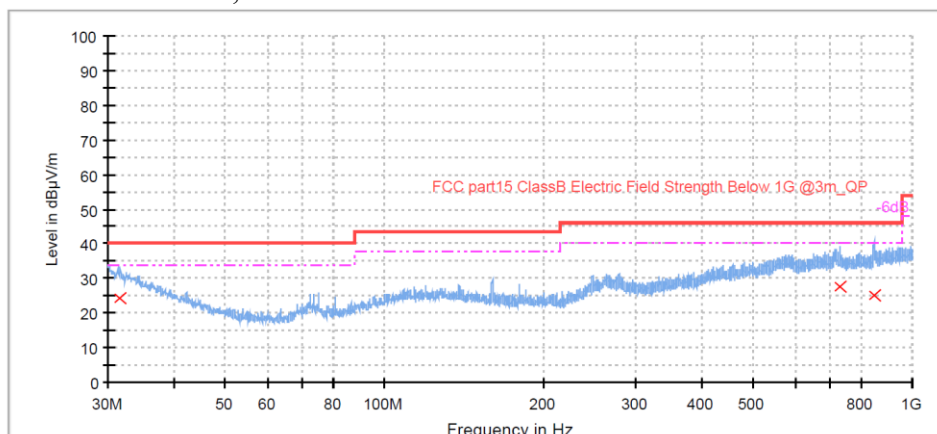
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18469.750000	46.6	1000.0	1000.000	150.0	V	0.0	-9.2	27.4	74.0
22180.250000	46.4	1000.0	1000.000	150.0	V	0.0	-6.9	27.6	74.0
23439.750000	48.4	1000.0	1000.000	150.0	V	0.0	-4.7	25.7	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18469.750000	35.6	1000.0	1000.000	150.0	V	0.0	-9.2	18.4	54.0
22180.250000	35.9	1000.0	1000.000	150.0	V	0.0	-6.9	18.1	54.0
23439.750000	37.2	1000.0	1000.000	150.0	V	0.0	-4.7	16.9	54.0

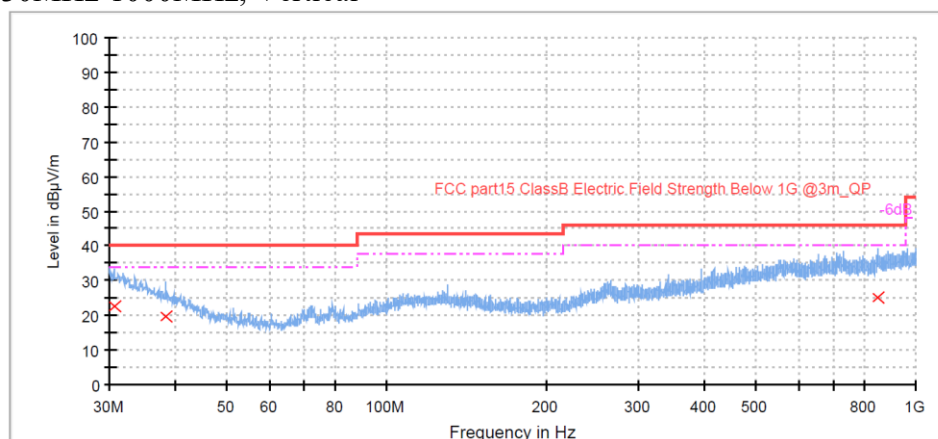
Figure 12: Spectral Diagrams, Radiated Spurious Emission, Mode F.1

30MHz-1000MHz, Horizontal

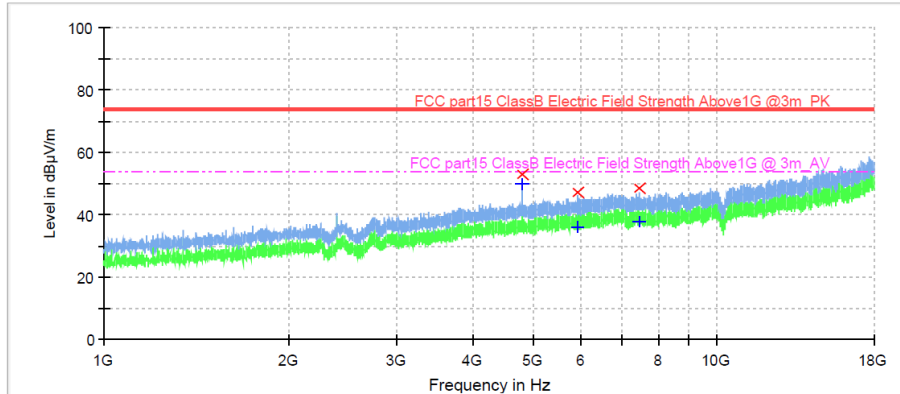

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.560000	24.1	1000.0	120.000	H	24.6	15.9	40.0
728.670000	27.5	1000.0	120.000	H	27.4	18.5	46.0
844.960000	25.0	1000.0	120.000	H	28.4	21.0	46.0

30MHz-1000MHz, Vertical


Limit and Margin

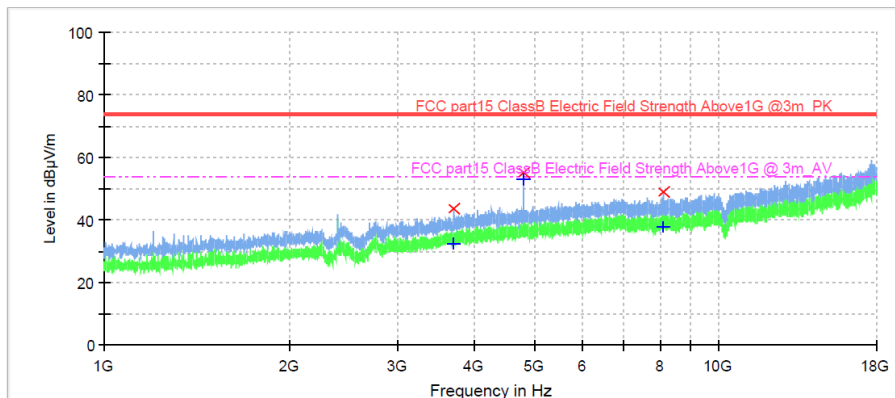
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.590000	22.6	1000.0	120.000	V	25.1	17.5	40.0
38.300000	19.7	1000.0	120.000	V	20.8	20.3	40.0
845.180000	25.1	1000.0	120.000	V	28.4	21.0	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4804.280000	53.1	1000.0	1000.000	150.0	H	0.0	3.7	21.0	74.0
5921.500000	47.2	1000.0	1000.000	150.0	H	0.0	6.6	26.8	74.0
7476.470000	48.6	1000.0	1000.000	150.0	H	0.0	8.5	25.4	74.0

Limit and Margin-AV

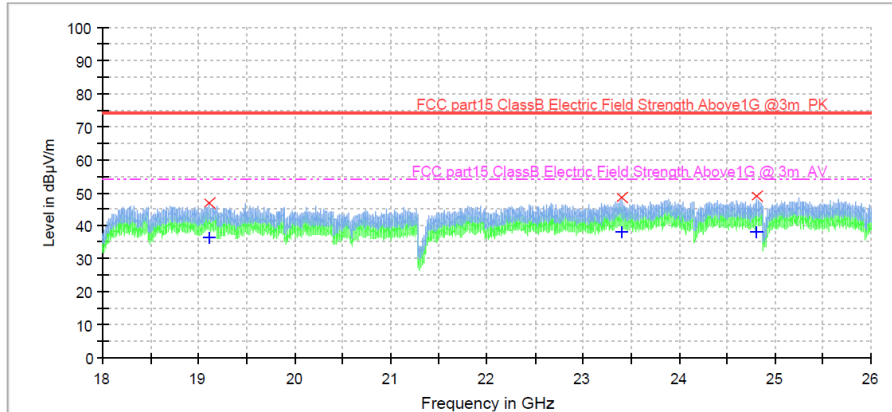
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4804.280000	49.6	1000.0	1000.000	150.0	H	0.0	3.7	4.4	54.0
5921.500000	36.1	1000.0	1000.000	150.0	H	0.0	6.6	17.9	54.0
7476.470000	37.6	1000.0	1000.000	150.0	H	0.0	8.5	16.4	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3696.095000	43.6	1000.0	1000.000	150.0	V	0.0	0.9	30.4	74.0
4804.280000	55.0	1000.0	1000.000	150.0	V	0.0	3.7	19.0	74.0
8127.250000	48.9	1000.0	1000.000	150.0	V	0.0	8.9	25.1	74.0

Limit and Margin-AV

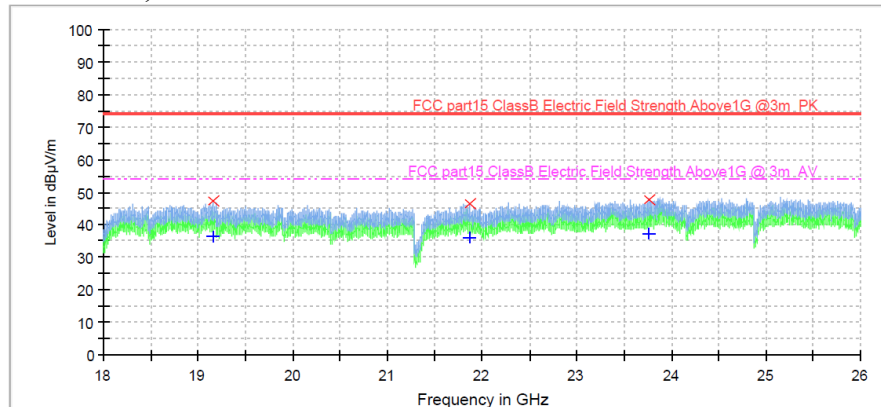
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3696.095000	32.3	1000.0	1000.000	150.0	V	0.0	0.9	21.7	54.0
4804.280000	52.9	1000.0	1000.000	150.0	V	0.0	3.7	1.2	54.0
8127.250000	37.8	1000.0	1000.000	150.0	V	0.0	8.9	16.2	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19104.250000	47.0	1000.0	1000.000	150.0	H	0.0	-9.2	27.0	74.0
23398.000000	48.5	1000.0	1000.000	150.0	H	0.0	-4.7	25.5	74.0
24813.750000	49.0	1000.0	1000.000	150.0	H	0.0	-4.4	25.0	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19104.250000	36.5	1000.0	1000.000	150.0	H	0.0	-9.2	17.5	54.0
23398.000000	38.1	1000.0	1000.000	150.0	H	0.0	-4.7	15.9	54.0
24813.750000	38.2	1000.0	1000.000	150.0	H	0.0	-4.4	15.8	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

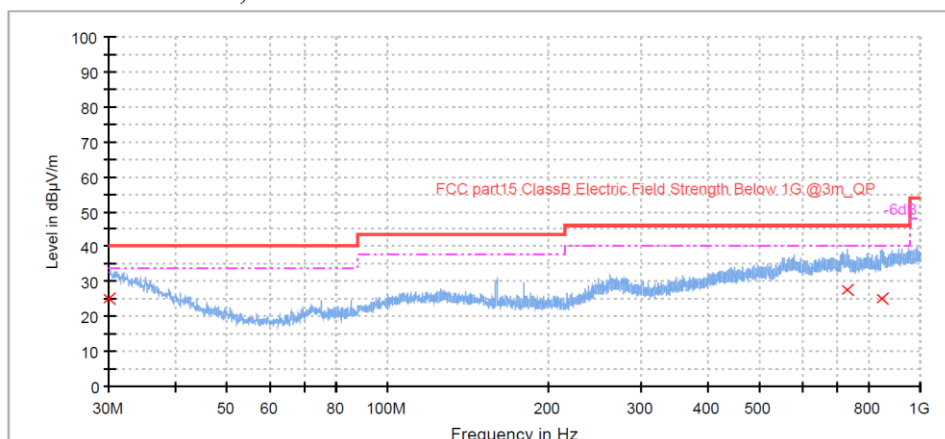
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19166.500000	47.3	1000.0	1000.000	150.0	V	0.0	-9.3	26.7	74.0
21872.500000	46.3	1000.0	1000.000	150.0	V	0.0	-7.5	27.7	74.0
23770.250000	47.5	1000.0	1000.000	150.0	V	0.0	-4.6	26.5	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19166.500000	36.6	1000.0	1000.000	150.0	V	0.0	-9.3	17.5	54.0
21872.500000	35.9	1000.0	1000.000	150.0	V	0.0	-7.5	18.1	54.0
23770.250000	37.3	1000.0	1000.000	150.0	V	0.0	-4.6	16.7	54.0

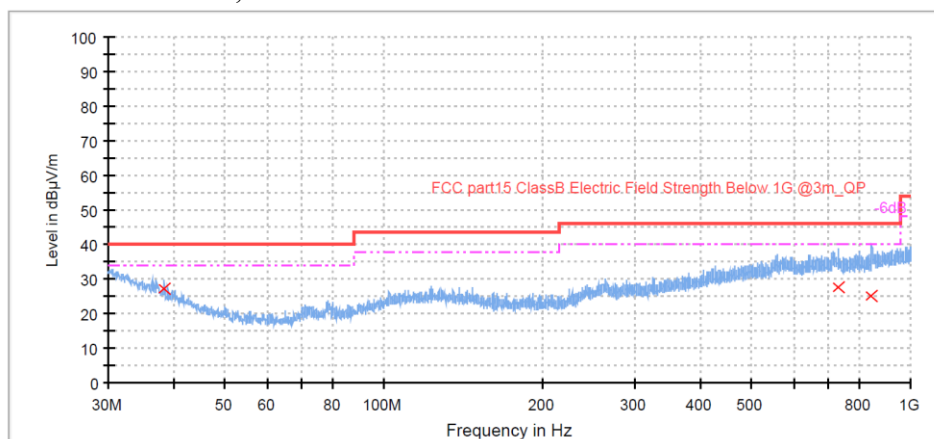
Figure 13: Spectral Diagrams, Radiated Spurious Emission, Mode F.2

30MHz-1000MHz, Horizontal

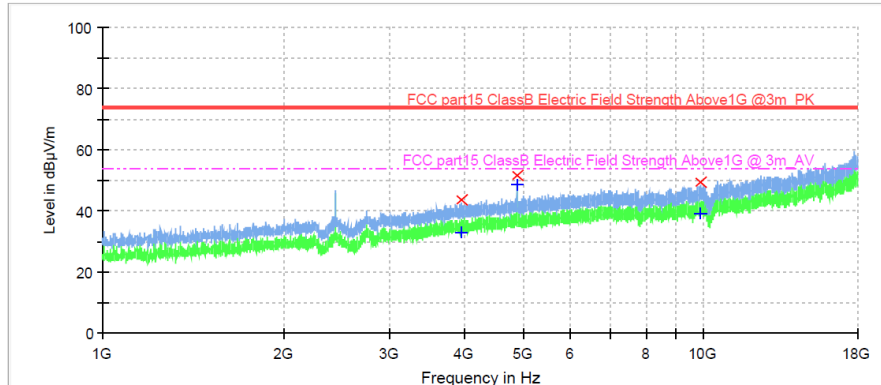

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.000000	25.0	1000.0	120.000	H	25.4	15.0	40.0
728.830000	27.5	1000.0	120.000	H	27.4	18.5	46.0
845.070000	25.0	1000.0	120.000	H	28.4	21.0	46.0

30MHz-1000MHz, Vertical


Limit and Margin

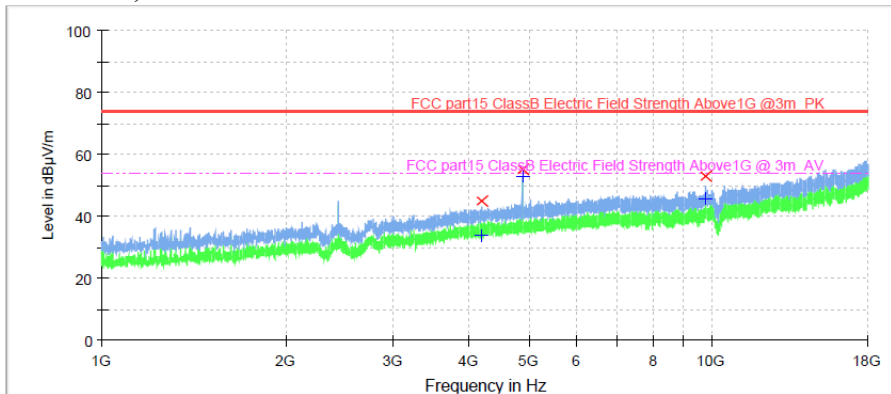
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
38.350000	27.0	1000.0	120.000	V	20.7	13.0	40.0
729.100000	27.6	1000.0	120.000	V	27.4	18.5	46.0
844.910000	24.9	1000.0	120.000	V	28.4	21.1	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3954.810000	43.7	1000.0	1000.000	150.0	H	0.0	1.6	30.3	74.0
4880.250000	51.7	1000.0	1000.000	150.0	H	0.0	3.9	22.3	74.0
9844.250000	49.4	1000.0	1000.000	150.0	H	0.0	11.2	24.6	74.0

Limit and Margin-AV

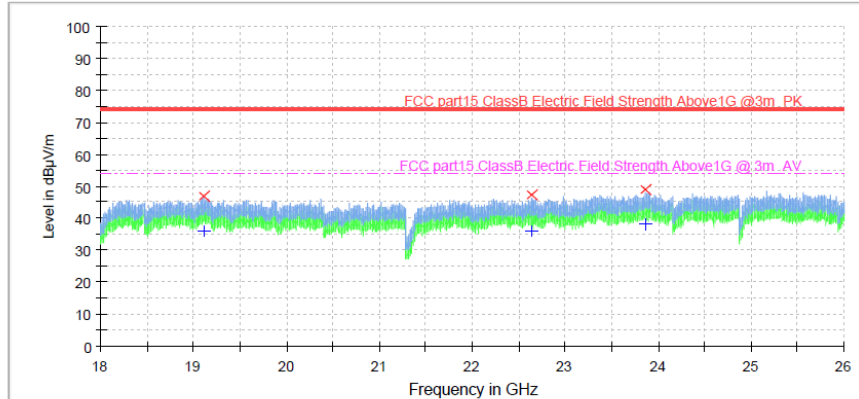
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3954.810000	33.0	1000.0	1000.000	150.0	H	0.0	1.6	21.1	54.0
4880.250000	48.6	1000.0	1000.000	150.0	H	0.0	3.9	5.4	54.0
9844.250000	39.0	1000.0	1000.000	150.0	H	0.0	11.2	15.0	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4197.595000	44.7	1000.0	1000.000	150.0	V	0.0	2.2	29.3	74.0
4880.250000	55.0	1000.0	1000.000	150.0	V	0.0	3.9	19.0	74.0
9760.310000	52.8	1000.0	1000.000	150.0	V	0.0	11.0	21.2	74.0

Limit and Margin-AV

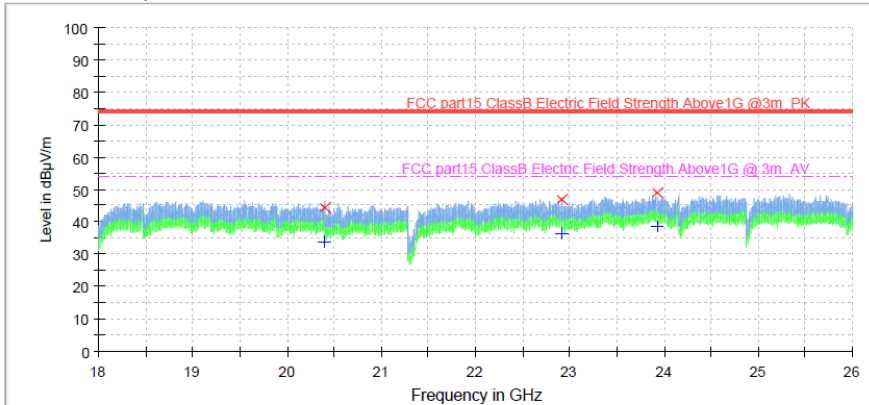
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4197.595000	33.7	1000.0	1000.000	150.0	V	0.0	2.2	20.3	54.0
4880.250000	52.7	1000.0	1000.000	150.0	V	0.0	3.9	1.3	54.0
9760.310000	45.6	1000.0	1000.000	150.0	V	0.0	11.0	8.4	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19117.750000	46.7	1000.0	1000.000	150.0	H	0.0	-9.2	27.3	74.0
22639.000000	47.4	1000.0	1000.000	150.0	H	0.0	-5.9	26.6	74.0
23868.000000	48.9	1000.0	1000.000	150.0	H	0.0	-4.5	25.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19117.750000	36.2	1000.0	1000.000	150.0	H	0.0	-9.2	17.8	54.0
22639.000000	36.1	1000.0	1000.000	150.0	H	0.0	-5.9	17.9	54.0
23868.000000	38.3	1000.0	1000.000	150.0	H	0.0	-4.5	15.7	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

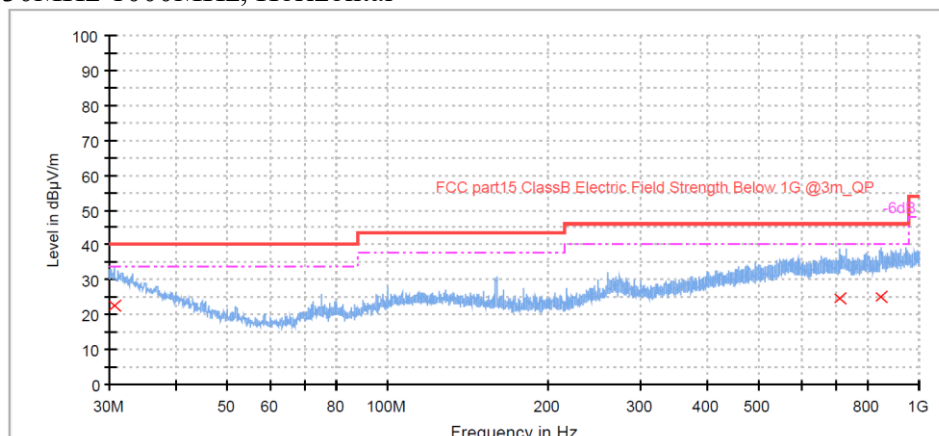
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
20395.000000	44.5	1000.0	1000.000	150.0	V	0.0	-9.1	29.5	74.0
22910.500000	46.9	1000.0	1000.000	150.0	V	0.0	-5.2	27.1	74.0
23919.500000	48.8	1000.0	1000.000	150.0	V	0.0	-4.5	25.2	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
20395.000000	34.1	1000.0	1000.000	150.0	V	0.0	-9.1	19.9	54.0
22910.500000	36.4	1000.0	1000.000	150.0	V	0.0	-5.2	17.6	54.0
23919.500000	38.4	1000.0	1000.000	150.0	V	0.0	-4.5	15.6	54.0

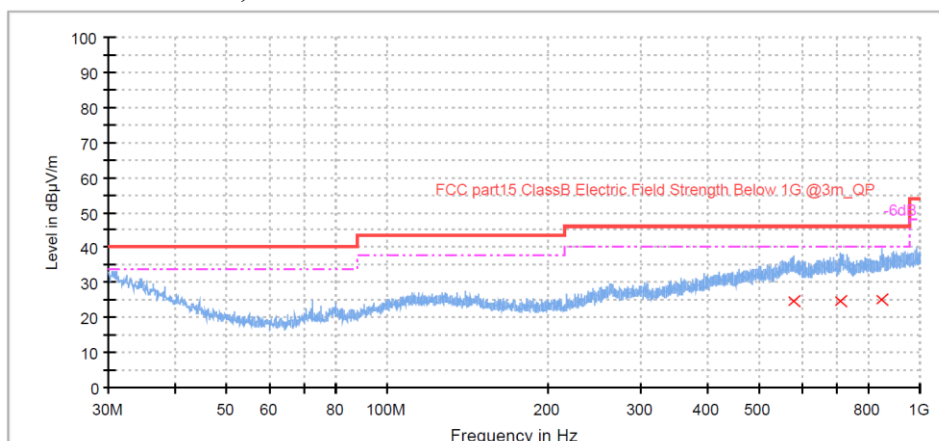
Figure 14: Spectral Diagrams, Radiated Spurious Emission, Mode F.3

30MHz-1000MHz, Horizontal


Limit and Margin

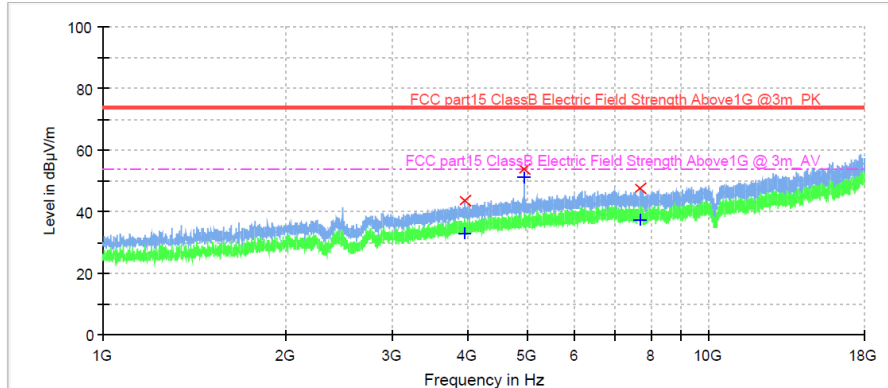
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.650000	22.5	1000.0	120.000	H	25.1	17.5	40.0
709.320000	24.5	1000.0	120.000	H	26.9	21.5	46.0
846.090000	24.9	1000.0	120.000	H	28.4	21.1	46.0

30MHz-1000MHz, Vertical


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
578.480000	24.6	1000.0	120.000	V	27.1	21.4	46.0
710.450000	24.7	1000.0	120.000	V	27.0	21.3	46.0
845.120000	25.0	1000.0	120.000	V	28.4	21.0	46.0

1GHz-18GHz, Horizontal



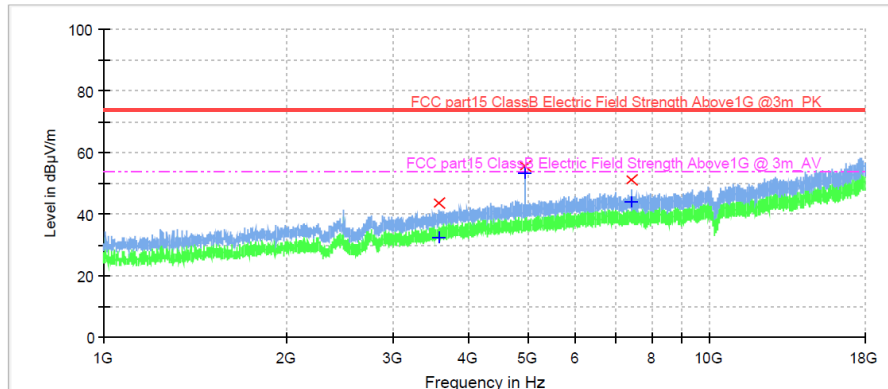
Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3952.155000	43.4	1000.0	1000.000	150.0	H	0.0	1.5	30.6	74.0
4959.935000	53.8	1000.0	1000.000	150.0	H	0.0	4.2	20.2	74.0
7676.750000	47.7	1000.0	1000.000	150.0	H	0.0	8.7	26.3	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3952.155000	33.1	1000.0	1000.000	150.0	H	0.0	1.5	20.9	54.0
4959.935000	51.1	1000.0	1000.000	150.0	H	0.0	4.2	2.9	54.0
7676.750000	37.2	1000.0	1000.000	150.0	H	0.0	8.7	16.8	54.0

1GHz-18GHz, Vertical

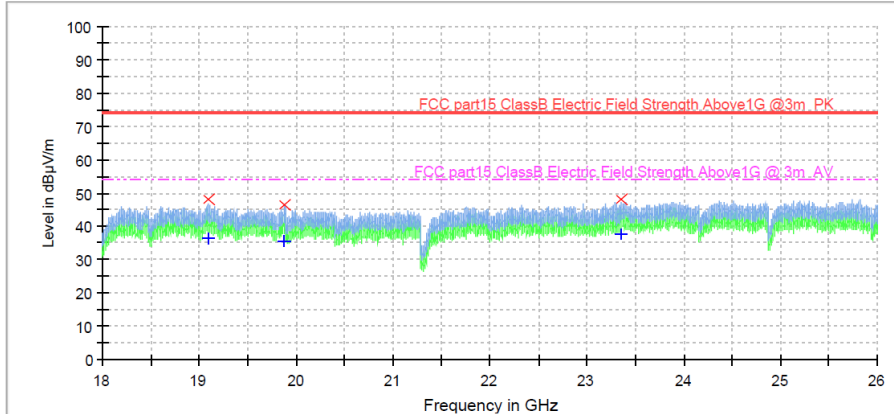


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3566.470000	43.4	1000.0	1000.000	150.0	V	0.0	0.5	30.6	74.0
4959.935000	55.5	1000.0	1000.000	150.0	V	0.0	4.2	18.5	74.0
7440.345000	51.2	1000.0	1000.000	150.0	V	0.0	8.5	22.8	74.0

Limit and Margin-AV

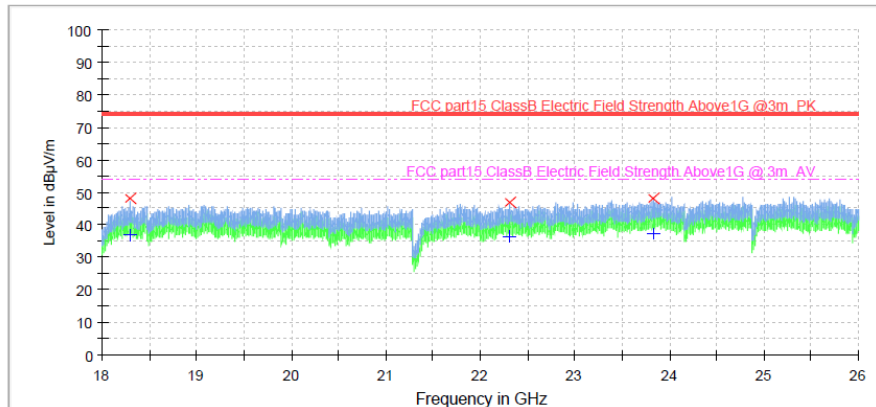
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3566.470000	32.2	1000.0	1000.000	150.0	V	0.0	0.5	21.8	54.0
4959.935000	53.4	1000.0	1000.000	150.0	V	0.0	4.2	0.6	54.0
7440.345000	43.9	1000.0	1000.000	150.0	V	0.0	8.5	10.1	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19091.250000	48.1	1000.0	1000.000	150.0	H	0.0	-9.2	25.9	74.0
19882.500000	46.5	1000.0	1000.000	150.0	H	0.0	-9.3	27.5	74.0
23354.250000	48.0	1000.0	1000.000	150.0	H	0.0	-4.7	26.0	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19091.250000	36.4	1000.0	1000.000	150.0	H	0.0	-9.2	17.6	54.0
19882.500000	35.7	1000.0	1000.000	150.0	H	0.0	-9.3	18.3	54.0
23354.250000	37.5	1000.0	1000.000	150.0	H	0.0	-4.7	16.5	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

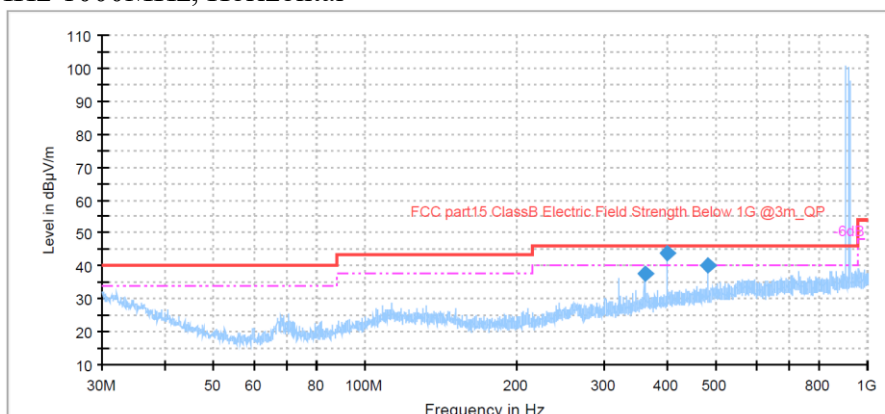
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18293.000000	47.9	1000.0	1000.000	150.0	V	0.0	-9.3	26.1	74.0
22305.750000	46.7	1000.0	1000.000	150.0	V	0.0	-6.7	27.3	74.0
23828.500000	48.0	1000.0	1000.000	150.0	V	0.0	-4.5	26.0	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18293.000000	37.0	1000.0	1000.000	150.0	V	0.0	-9.3	17.0	54.0
22305.750000	36.4	1000.0	1000.000	150.0	V	0.0	-6.7	17.6	54.0
23828.500000	37.2	1000.0	1000.000	150.0	V	0.0	-4.5	16.8	54.0

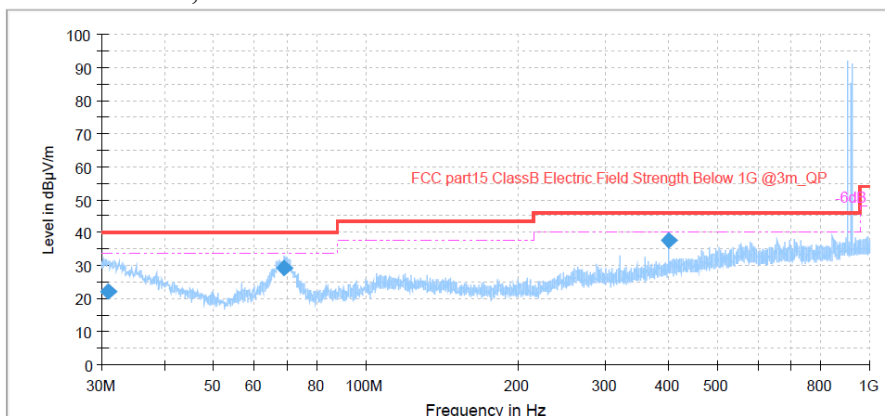
Figure 15: Spectral Diagrams, Radiated Spurious Emission, Mode G

30MHz-1000MHz, Horizontal

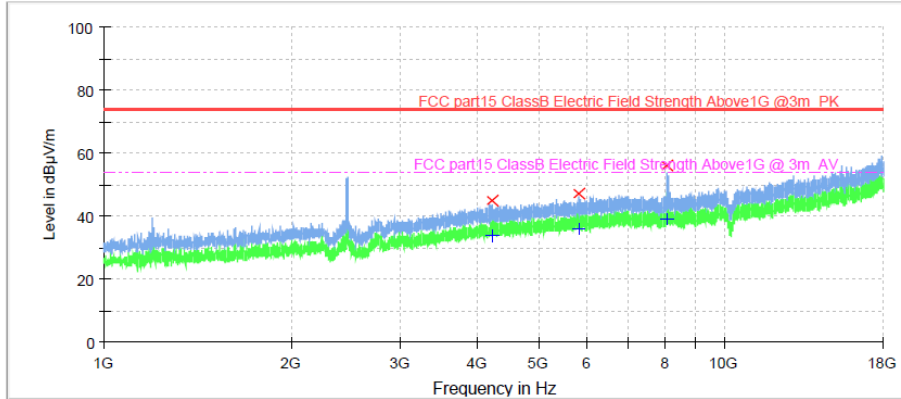

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
359.981667	37.53	46.00	8.47	1000.0	120.000	150.0	H	203.0	22.3
399.981111	43.86	46.00	2.14	1000.0	120.000	182.0	H	40.0	23.2
479.992222	39.96	46.00	6.04	1000.0	120.000	150.0	H	47.0	25.2

30MHz-1000MHz, Vertical


Final Result

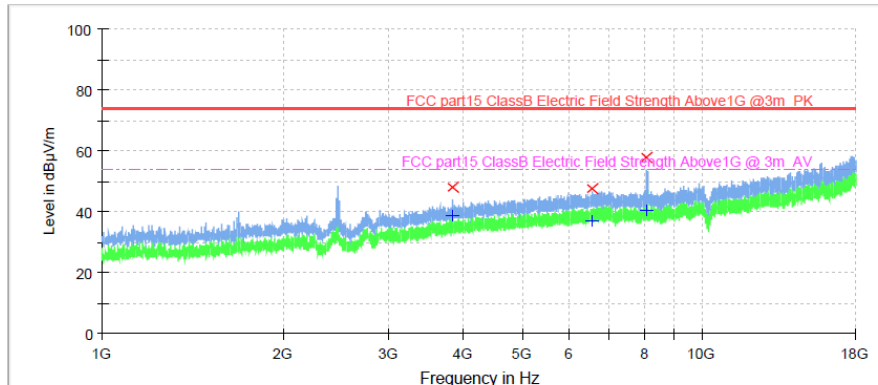
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.798889	22.19	40.00	17.81	1000.0	120.000	172.0	V	148.0	25.0
68.769444	29.18	40.00	10.82	1000.0	120.000	150.0	V	239.0	12.9
399.981111	37.68	46.00	8.32	1000.0	120.000	132.0	V	332.0	23.2

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4222.560000	44.9	1000.0	1000.000	150.0	H	0.0	2.2	29.1	74.0
5820.560000	47.0	1000.0	1000.000	150.0	H	0.0	6.4	27.0	74.0
8069.345000	55.9	1000.0	1000.000	150.0	H	0.0	8.9	18.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4222.560000	34.0	1000.0	1000.000	150.0	H	0.0	2.2	20.0	54.0
5820.560000	36.1	1000.0	1000.000	150.0	H	0.0	6.4	18.0	54.0
8069.345000	39.0	1000.0	1000.000	150.0	H	0.0	8.9	15.0	54.0

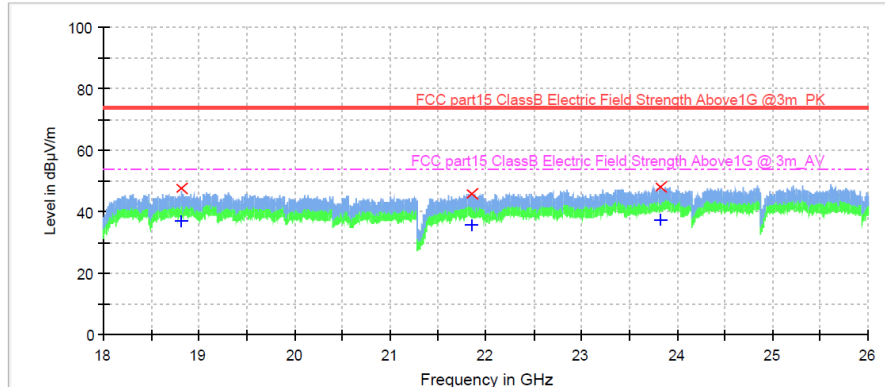
1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3829.435000	48.0	1000.0	1000.000	150.0	V	0.0	1.2	26.0	74.0
6555.810000	47.5	1000.0	1000.000	150.0	V	0.0	7.6	26.5	74.0
8076.780000	57.9	1000.0	1000.000	150.0	V	0.0	8.9	16.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3829.435000	38.6	1000.0	1000.000	150.0	V	0.0	1.2	15.4	54.0
6555.810000	37.0	1000.0	1000.000	150.0	V	0.0	7.6	17.0	54.0
8076.780000	40.3	1000.0	1000.000	150.0	V	0.0	8.9	13.7	54.0

18GHz-25GHz, Horizontal



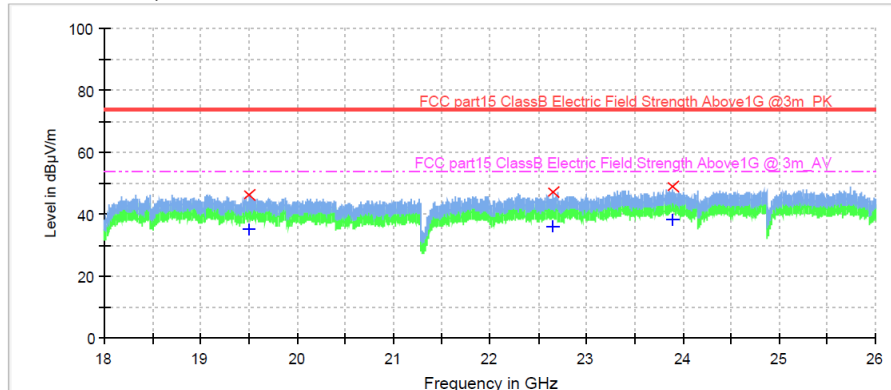
Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18809.500000	47.7	1000.0	1000.000	150.0	H	0.0	-9.2	26.3	74.0
21856.000000	46.0	1000.0	1000.000	150.0	H	0.0	-7.5	28.0	74.0
23830.000000	47.9	1000.0	1000.000	150.0	H	0.0	-4.5	26.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18809.500000	36.9	1000.0	1000.000	150.0	H	0.0	-9.2	17.1	54.0
21856.000000	35.6	1000.0	1000.000	150.0	H	0.0	-7.5	18.4	54.0
23830.000000	37.3	1000.0	1000.000	150.0	H	0.0	-4.5	16.7	54.0

18GHz-25GHz, Vertical



Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19498.500000	46.4	1000.0	1000.000	150.0	V	0.0	-9.4	27.6	74.0
22650.250000	47.1	1000.0	1000.000	150.0	V	0.0	-5.9	26.9	74.0
23899.250000	48.8	1000.0	1000.000	150.0	V	0.0	-4.5	25.2	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19498.500000	35.0	1000.0	1000.000	150.0	V	0.0	-9.4	19.0	54.0
22650.250000	35.9	1000.0	1000.000	150.0	V	0.0	-5.9	18.2	54.0
23899.250000	38.2	1000.0	1000.000	150.0	V	0.0	-4.5	15.8	54.0

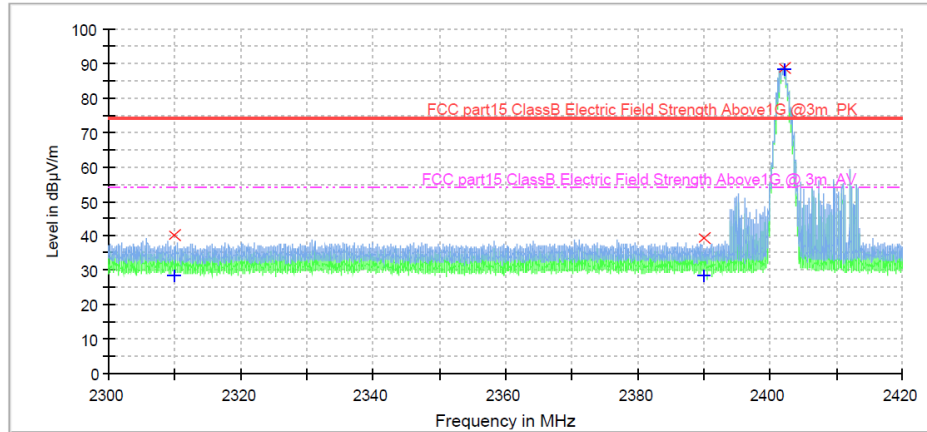
Remark: All the modes had been tested, but only the worst data was recorded in the report.

Prüfbericht - Nr.: CN254RKU 001
Test Report No.:

Seite 64 von 78
Page 64 of 78

Figure 16: Spectral Diagrams, Restricted frequency bands

2310MHz-2390MHz, Mode A.1

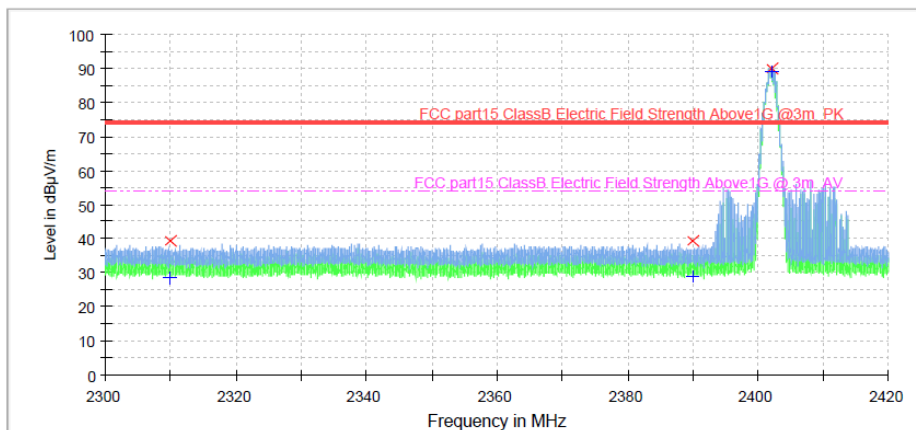


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2310.000000	40.0	1000.0	1000.000	150.0	H	0.0	-5.5	34.0	74.0
2390.000000	39.5	1000.0	1000.000	150.0	H	0.0	-5.0	34.5	74.0
2402.035000	88.8	1000.0	1000.000	150.0	H	0.0	-5.0	-14.8	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2310.000000	28.5	1000.0	1000.000	150.0	H	0.0	-5.5	25.5	54.0
2390.000000	28.7	1000.0	1000.000	150.0	H	0.0	-5.0	25.3	54.0
2402.035000	88.2	1000.0	1000.000	150.0	H	0.0	-5.0	-34.2	54.0

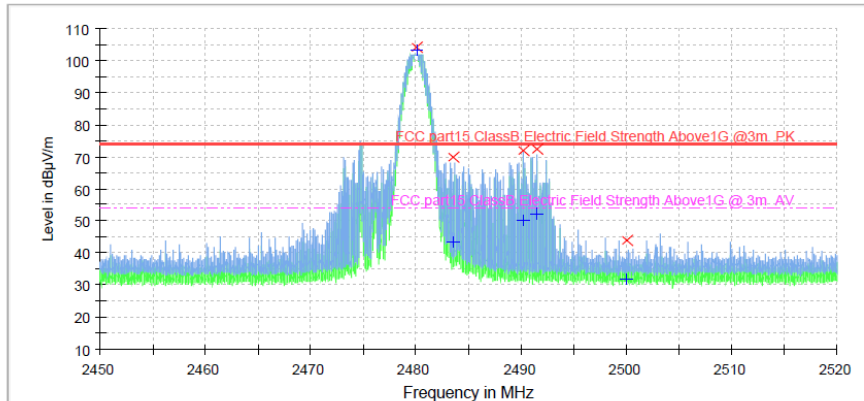


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2310.000000	39.5	1000.0	1000.000	150.0	V	0.0	-5.5	34.5	74.0
2390.000000	39.5	1000.0	1000.000	150.0	V	0.0	-5.0	34.5	74.0
2402.185000	90.2	1000.0	1000.000	150.0	V	0.0	-5.0	-16.2	74.0

Limit and Margin-AV

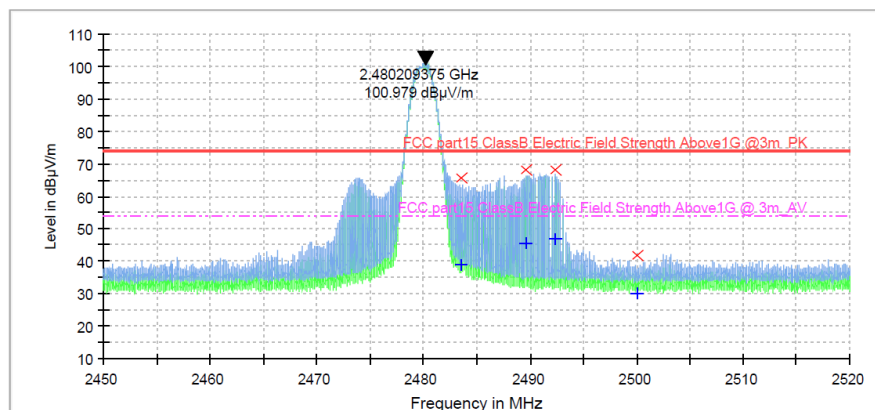
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2310.000000	28.5	1000.0	1000.000	150.0	V	0.0	-5.5	25.5	54.0
2390.000000	28.9	1000.0	1000.000	150.0	V	0.0	-5.0	25.1	54.0
2402.185000	89.2	1000.0	1000.000	150.0	V	0.0	-5.0	-35.2	54.0

2483.5MHz-2500MHz, Mode A.3

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2480.125000	104.1	1000.0	1000.000	150.0	H	98.0	-4.5	-30.1	74.0
2483.500000	69.9	1000.0	1000.000	150.0	H	11.0	-4.5	4.1	74.0
2490.200000	72.1	1000.0	1000.000	150.0	H	11.0	-4.5	1.9	74.0
2491.505000	72.5	1000.0	1000.000	150.0	H	0.0	-4.5	1.5	74.0
2500.000000	44.0	1000.0	1000.000	150.0	H	11.0	-4.4	30.0	74.0

Limit and Margin-AV

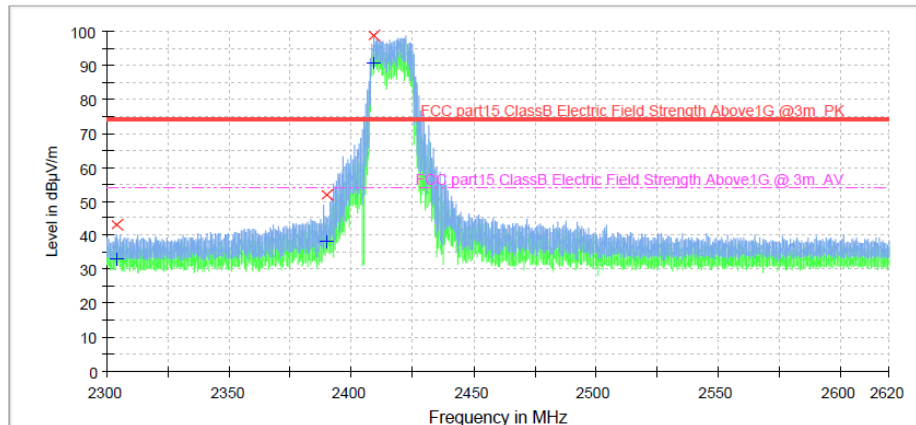
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2480.125000	103.3	1000.0	1000.000	150.0	H	98.0	-4.5	-49.3	54.0
2483.500000	43.4	1000.0	1000.000	150.0	H	11.0	-4.5	10.6	54.0
2490.200000	50.2	1000.0	1000.000	150.0	H	11.0	-4.5	3.8	54.0
2491.505000	52.4	1000.0	1000.000	150.0	H	0.0	-4.5	1.6	54.0
2500.000000	31.8	1000.0	1000.000	150.0	H	11.0	-4.4	22.2	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2483.500000	65.5	1000.0	1000.000	150.0	V	0.0	-4.5	8.5	74.0
2489.640000	68.1	1000.0	1000.000	150.0	V	0.0	-4.5	5.9	74.0
2492.330000	68.3	1000.0	1000.000	150.0	V	0.0	-4.5	5.8	74.0
2500.000000	41.8	1000.0	1000.000	150.0	V	0.0	-4.4	32.2	74.0

Limit and Margin-AV

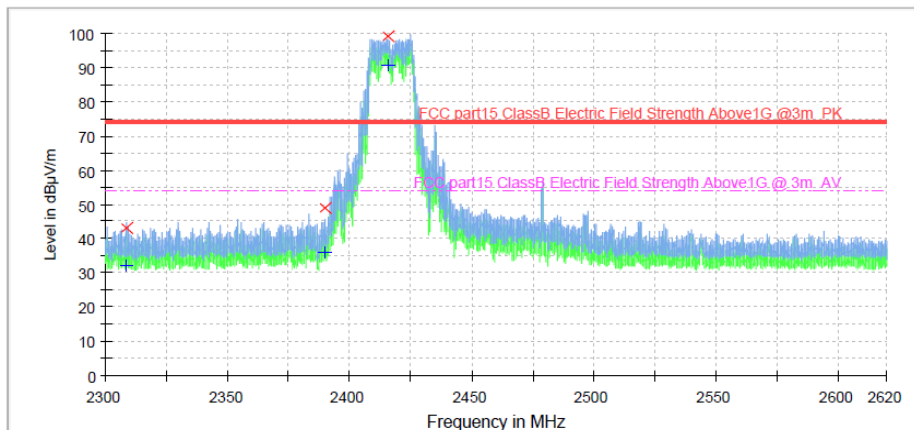
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2483.500000	39.0	1000.0	1000.000	150.0	V	0.0	-4.5	15.0	54.0
2489.640000	45.6	1000.0	1000.000	150.0	V	0.0	-4.5	8.4	54.0
2492.330000	46.8	1000.0	1000.000	150.0	V	0.0	-4.5	7.2	54.0
2500.000000	30.1	1000.0	1000.000	150.0	V	0.0	-4.4	24.0	54.0

2310MHz-2390MHz, Mode B.1

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2304.150000	43.0	1000.0	1000.000	150.0	H	0.0	-5.4	31.0	74.0
2390.000000	51.9	1000.0	1000.000	150.0	H	0.0	-5.0	22.2	74.0
2409.370000	98.8	1000.0	1000.000	150.0	H	0.0	-4.8	-24.8	74.0

Limit and Margin-AV

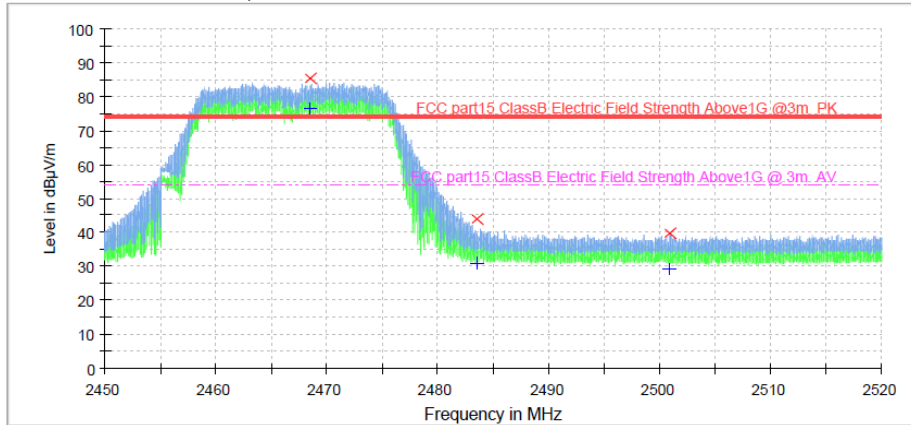
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2304.150000	33.0	1000.0	1000.000	150.0	H	0.0	-5.4	21.0	54.0
2390.000000	38.1	1000.0	1000.000	150.0	H	0.0	-5.0	15.9	54.0
2409.370000	90.7	1000.0	1000.000	150.0	H	0.0	-4.8	-36.7	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2308.620000	43.2	1000.0	1000.000	150.0	V	0.0	-5.4	30.8	74.0
2390.000000	48.8	1000.0	1000.000	150.0	V	0.0	-5.0	25.2	74.0
2415.750000	99.1	1000.0	1000.000	150.0	V	0.0	-4.8	-25.1	74.0

Limit and Margin-AV

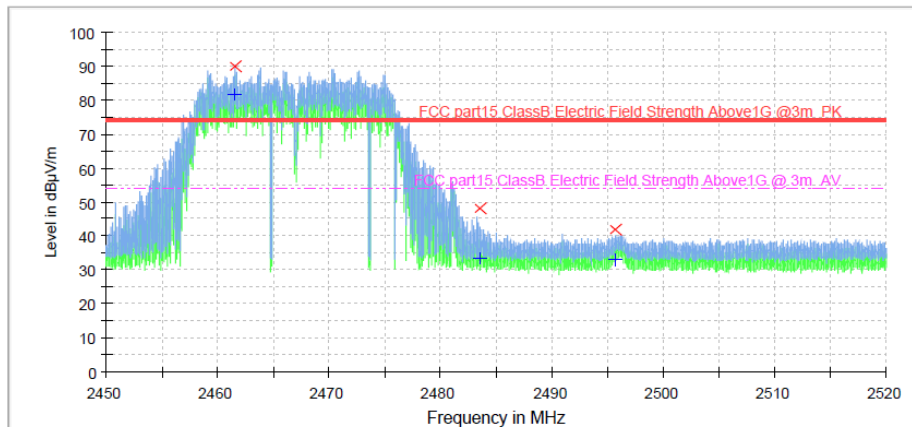
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2308.620000	32.1	1000.0	1000.000	150.0	V	0.0	-5.4	21.9	54.0
2390.000000	36.1	1000.0	1000.000	150.0	V	0.0	-5.0	17.9	54.0
2415.750000	90.6	1000.0	1000.000	150.0	V	0.0	-4.8	-36.6	54.0

2483.5MHz-2500MHz, Mode B.3

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2468.515000	85.6	1000.0	1000.000	150.0	H	22.0	-4.5	-11.6	74.0
2483.500000	43.8	1000.0	1000.000	150.0	H	0.0	-4.5	30.2	74.0
2500.850000	39.9	1000.0	1000.000	150.0	H	0.0	-4.4	34.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2468.515000	76.7	1000.0	1000.000	150.0	H	22.0	-4.5	-22.7	54.0
2483.500000	31.0	1000.0	1000.000	150.0	H	0.0	-4.5	23.0	54.0
2500.850000	29.2	1000.0	1000.000	150.0	H	0.0	-4.4	24.8	54.0

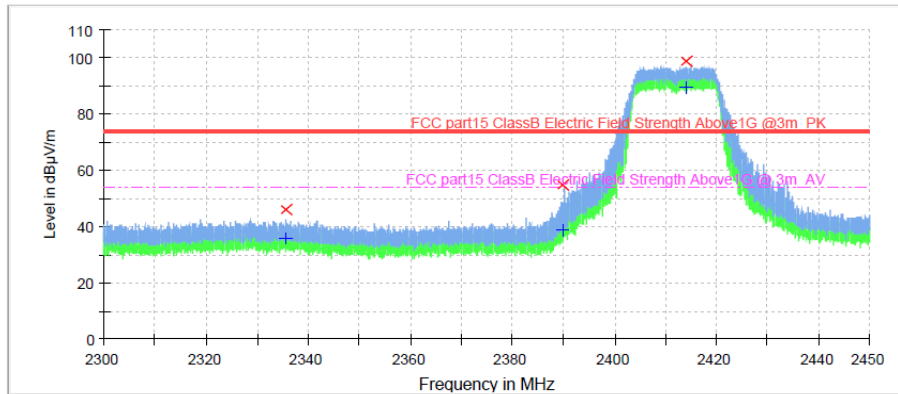

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2461.605000	89.9	1000.0	1000.000	150.0	V	0.0	-4.6	-15.9	74.0
2483.500000	47.9	1000.0	1000.000	150.0	V	0.0	-4.5	26.1	74.0
2495.740000	42.0	1000.0	1000.000	150.0	V	0.0	-4.4	32.0	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2461.605000	81.7	1000.0	1000.000	150.0	V	0.0	-4.6	-27.7	54.0
2483.500000	33.6	1000.0	1000.000	150.0	V	0.0	-4.5	20.4	54.0
2495.740000	33.2	1000.0	1000.000	150.0	V	0.0	-4.4	20.8	54.0

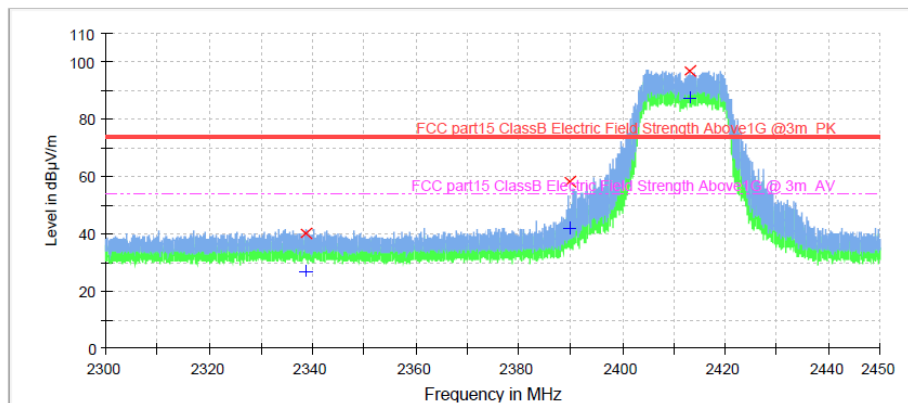
2310MHz-2390MHz, Mode C.1


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2335.650000	45.8	1000.0	1000.000	150.0	H	0.0	-5.3	28.2	74.0
2390.000000	54.5	1000.0	1000.000	150.0	H	0.0	-5.0	19.5	74.0
2414.055000	98.9	1000.0	1000.000	150.0	H	0.0	-4.8	-24.9	74.0

Limit and Margin-AV

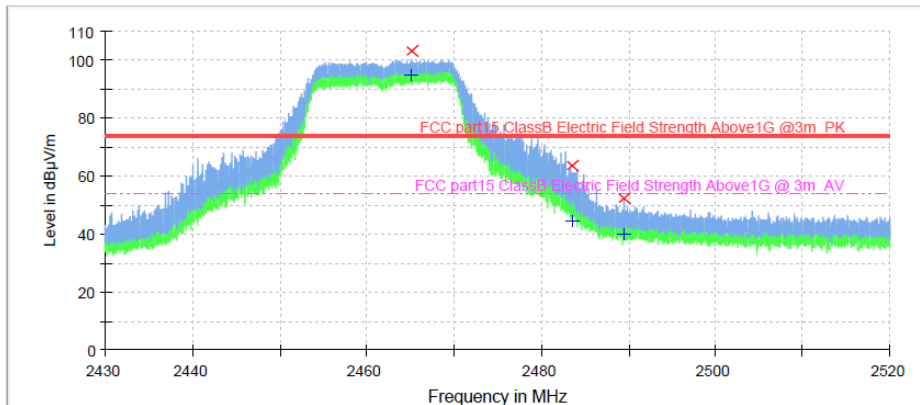
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2335.650000	35.5	1000.0	1000.000	150.0	H	0.0	-5.3	18.5	54.0
2390.000000	38.5	1000.0	1000.000	150.0	H	0.0	-5.0	15.5	54.0
2414.055000	89.4	1000.0	1000.000	150.0	H	0.0	-4.8	-35.4	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2338.590000	40.1	1000.0	1000.000	150.0	V	0.0	-5.2	33.9	74.0
2390.000000	58.0	1000.0	1000.000	150.0	V	0.0	-5.0	16.0	74.0
2413.015000	96.6	1000.0	1000.000	150.0	V	48.0	-4.8	-22.6	74.0

Limit and Margin-AV

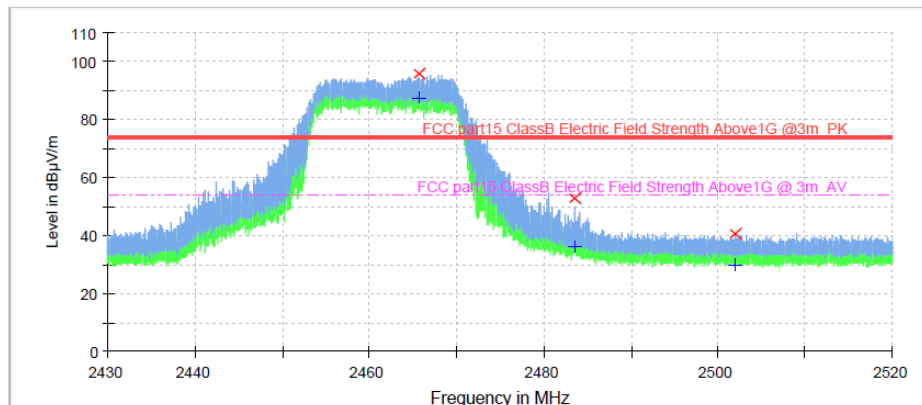
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2338.590000	26.9	1000.0	1000.000	150.0	V	0.0	-5.2	27.1	54.0
2390.000000	41.8	1000.0	1000.000	150.0	V	0.0	-5.0	12.2	54.0
2413.015000	87.5	1000.0	1000.000	150.0	V	48.0	-4.8	-33.5	54.0

2483.5MHz-2500MHz, Mode C.3

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2465.065000	103.3	1000.0	1000.000	150.0	H	0.0	-4.5	-29.3	74.0
2483.500000	63.4	1000.0	1000.000	150.0	H	0.0	-4.5	10.6	74.0
2489.575000	52.3	1000.0	1000.000	150.0	H	0.0	-4.4	21.7	74.0

Limit and Margin-AV

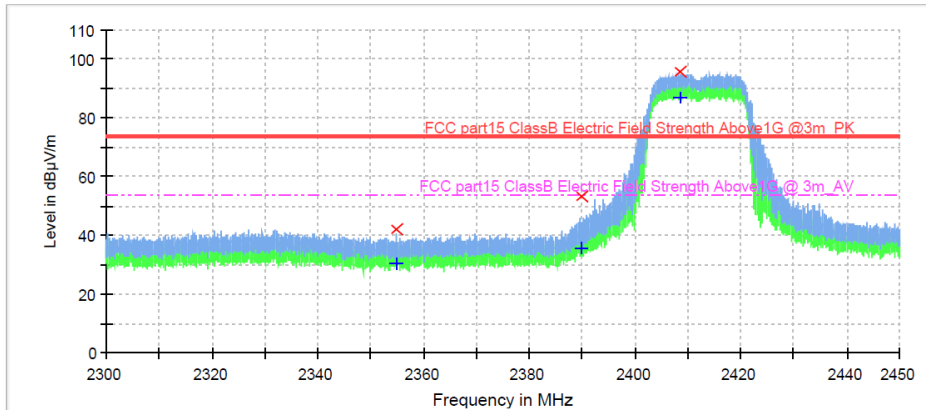
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2465.065000	94.6	1000.0	1000.000	150.0	H	0.0	-4.5	-40.6	54.0
2483.500000	44.3	1000.0	1000.000	150.0	H	0.0	-4.5	9.7	54.0
2489.575000	40.0	1000.0	1000.000	150.0	H	0.0	-4.4	14.0	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2465.720000	95.9	1000.0	1000.000	150.0	V	152.0	-4.5	-21.9	74.0
2483.500000	52.7	1000.0	1000.000	150.0	V	0.0	-4.5	21.3	74.0
2501.990000	40.8	1000.0	1000.000	150.0	V	0.0	-4.4	33.3	74.0

Limit and Margin-AV

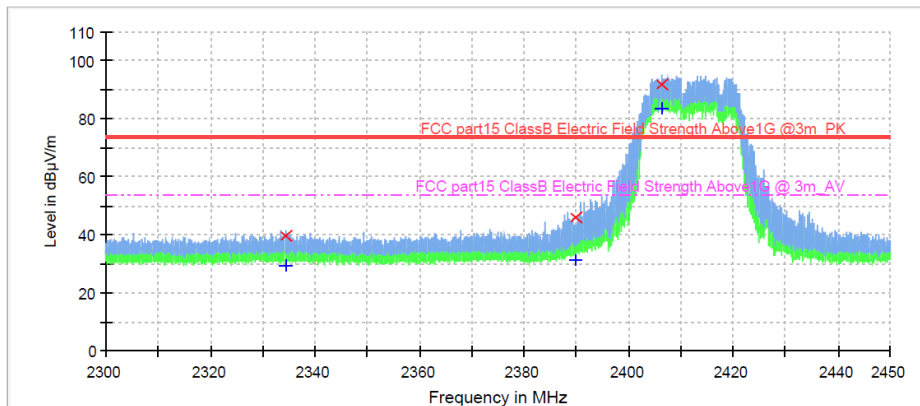
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2465.720000	87.5	1000.0	1000.000	150.0	V	152.0	-4.5	-33.5	54.0
2483.500000	36.4	1000.0	1000.000	150.0	V	0.0	-4.5	17.6	54.0
2501.990000	29.7	1000.0	1000.000	150.0	V	0.0	-4.4	24.4	54.0

2310MHz-2390MHz, Mode D.1

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2355.005000	42.0	1000.0	1000.000	150.0	H	0.0	-5.1	32.0	74.0
2390.000000	53.1	1000.0	1000.000	150.0	H	0.0	-5.0	20.9	74.0
2408.560000	95.8	1000.0	1000.000	150.0	H	0.0	-4.9	-21.8	74.0

Limit and Margin-AV

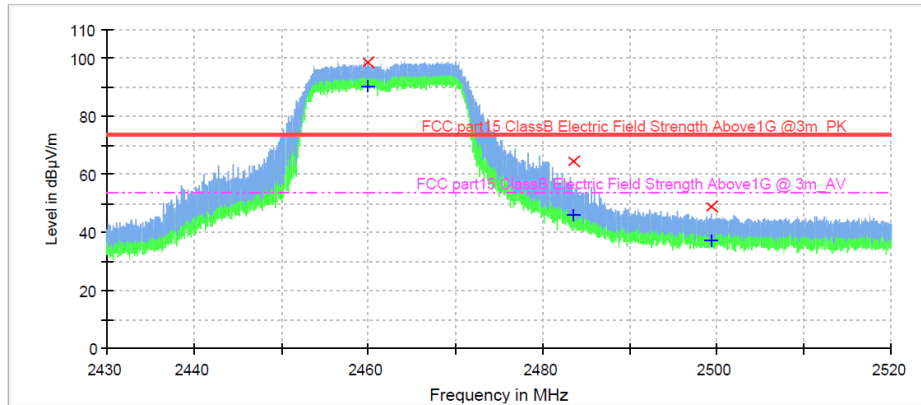
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2355.005000	30.5	1000.0	1000.000	150.0	H	0.0	-5.1	23.5	54.0
2390.000000	35.8	1000.0	1000.000	150.0	H	0.0	-5.0	18.2	54.0
2408.560000	86.9	1000.0	1000.000	150.0	H	0.0	-4.9	-32.9	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2334.255000	39.8	1000.0	1000.000	150.0	V	0.0	-5.3	34.2	74.0
2390.000000	45.8	1000.0	1000.000	150.0	V	0.0	-5.0	28.2	74.0
2406.320000	91.8	1000.0	1000.000	150.0	V	229.0	-4.9	-17.8	74.0

Limit and Margin-AV

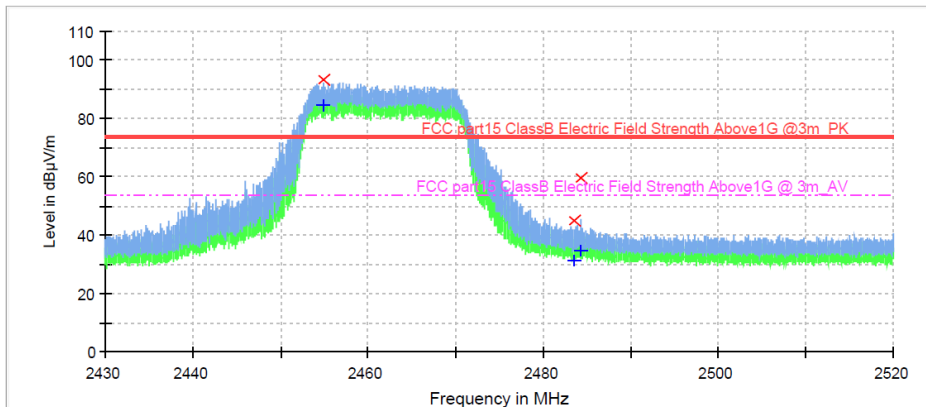
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2334.255000	29.5	1000.0	1000.000	150.0	V	0.0	-5.3	24.5	54.0
2390.000000	31.4	1000.0	1000.000	150.0	V	0.0	-5.0	22.6	54.0
2406.320000	83.4	1000.0	1000.000	150.0	V	229.0	-4.9	-29.4	54.0

2483.5MHz-2500MHz, Mode D.3

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2460.025000	98.8	1000.0	1000.000	150.0	H	0.0	-4.6	-24.8	74.0
2483.500000	64.7	1000.0	1000.000	150.0	H	0.0	-4.5	9.3	74.0
2499.435000	48.7	1000.0	1000.000	150.0	H	0.0	-4.4	25.4	74.0

Limit and Margin-AV

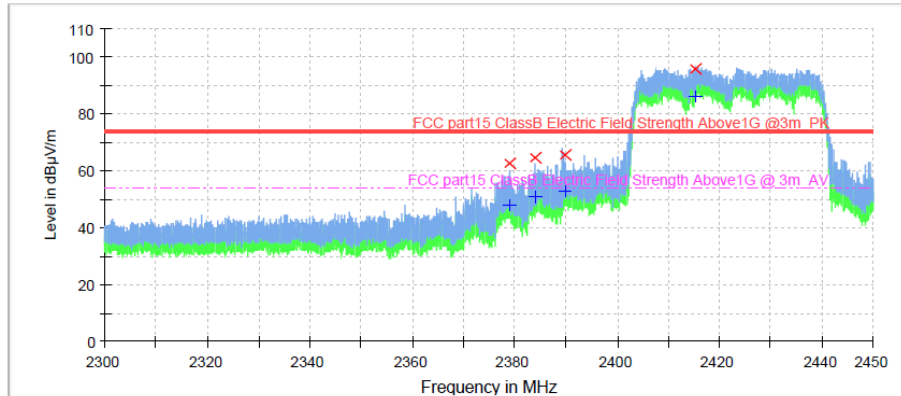
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2460.025000	90.5	1000.0	1000.000	150.0	H	0.0	-4.6	-36.5	54.0
2483.500000	45.9	1000.0	1000.000	150.0	H	0.0	-4.5	8.1	54.0
2499.435000	37.1	1000.0	1000.000	150.0	H	0.0	-4.4	16.9	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2454.905000	93.3	1000.0	1000.000	150.0	V	297.0	-4.6	-19.3	74.0
2483.500000	45.0	1000.0	1000.000	150.0	V	0.0	-4.5	29.0	74.0
2484.210000	59.5	1000.0	1000.000	150.0	V	0.0	-4.4	14.5	74.0

Limit and Margin-AV

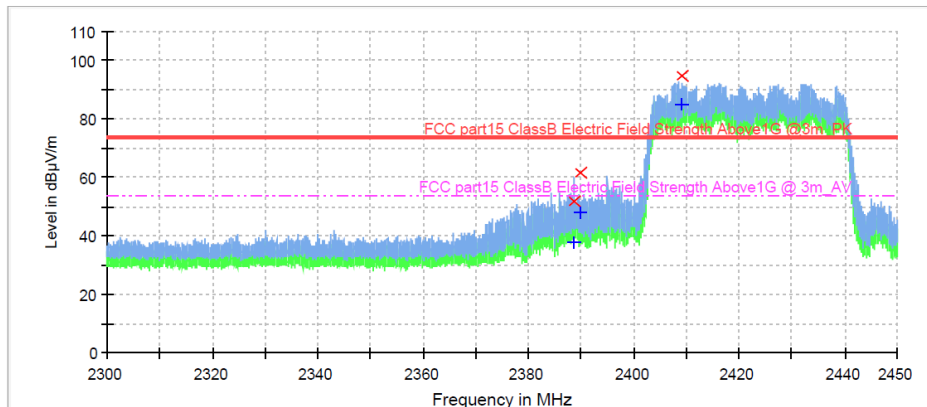
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2454.905000	84.6	1000.0	1000.000	150.0	V	297.0	-4.6	-30.6	54.0
2483.500000	31.5	1000.0	1000.000	150.0	V	0.0	-4.5	22.5	54.0
2484.210000	34.8	1000.0	1000.000	150.0	V	0.0	-4.4	19.2	54.0

2310MHz-2390MHz, Mode E.1

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2378.965000	62.7	1000.0	1000.000	150.0	H	355.0	-5.0	11.3	74.0
2384.000000	64.3	1000.0	1000.000	150.0	H	0.0	-5.0	9.7	74.0
2390.000000	65.3	1000.0	1000.000	150.0	H	0.0	-5.0	8.7	74.0
2415.355000	95.9	1000.0	1000.000	150.0	H	41.0	-4.8	-21.9	74.0

Limit and Margin-AV

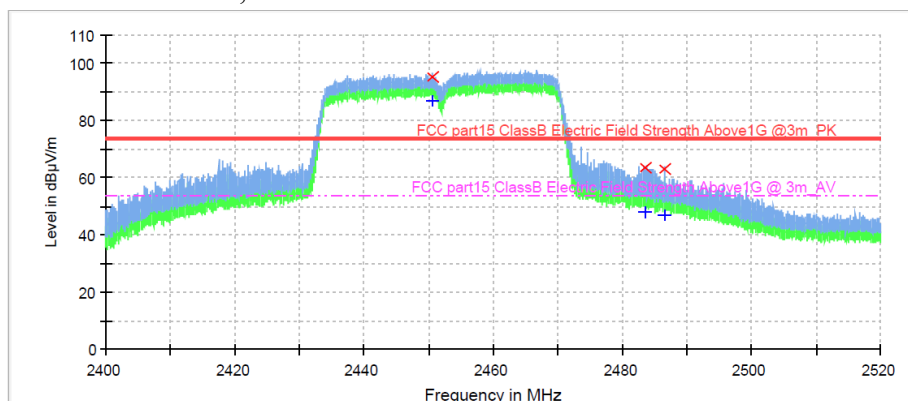
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2378.965000	47.9	1000.0	1000.000	150.0	H	355.0	-5.0	6.1	54.0
2384.000000	50.7	1000.0	1000.000	150.0	H	0.0	-5.0	3.3	54.0
2390.000000	53.0	1000.0	1000.000	150.0	H	0.0	-5.0	1.0	54.0
2415.355000	86.3	1000.0	1000.000	150.0	H	41.0	-4.8	-32.3	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2388.740000	52.0	1000.0	1000.000	150.0	V	0.0	-5.0	22.0	74.0
2390.000000	61.5	1000.0	1000.000	150.0	V	0.0	-5.0	12.5	74.0
2409.015000	94.8	1000.0	1000.000	150.0	V	312.0	-4.9	-20.8	74.0

Limit and Margin-AV

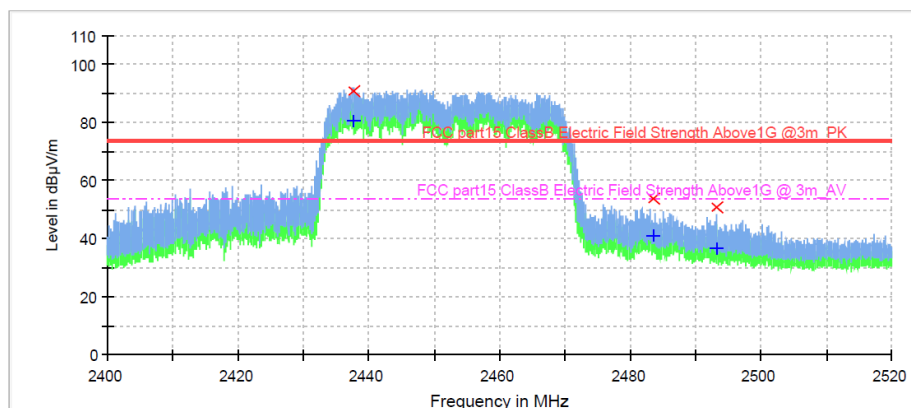
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2388.740000	37.6	1000.0	1000.000	150.0	V	0.0	-5.0	16.4	54.0
2390.000000	48.1	1000.0	1000.000	150.0	V	0.0	-5.0	6.0	54.0
2409.015000	85.1	1000.0	1000.000	150.0	V	312.0	-4.9	-31.1	54.0

2483.5MHz-2500MHz, Mode E.3

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2450.490000	95.4	1000.0	1000.000	150.0	H	0.0	-4.6	-21.4	74.0
2483.500000	63.5	1000.0	1000.000	150.0	H	0.0	-4.5	10.5	74.0
2486.535000	63.0	1000.0	1000.000	150.0	H	0.0	-4.4	11.0	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2450.490000	86.9	1000.0	1000.000	150.0	H	0.0	-4.6	-32.9	54.0
2483.500000	48.1	1000.0	1000.000	150.0	H	0.0	-4.5	5.9	54.0
2486.535000	47.1	1000.0	1000.000	150.0	H	0.0	-4.4	6.9	54.0

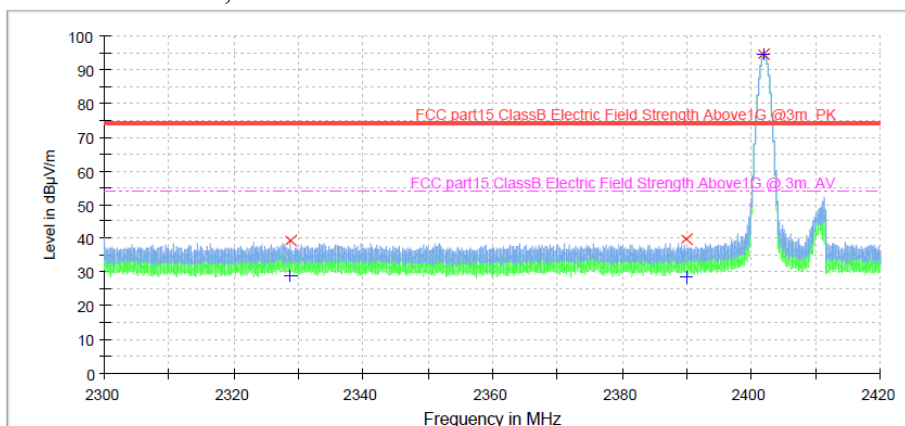

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2437.565000	91.0	1000.0	1000.000	150.0	V	0.0	-4.7	-17.0	74.0
2483.500000	53.9	1000.0	1000.000	150.0	V	0.0	-4.5	20.1	74.0
2493.140000	51.0	1000.0	1000.000	150.0	V	30.0	-4.4	23.0	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2437.565000	80.7	1000.0	1000.000	150.0	V	0.0	-4.7	-26.7	54.0
2483.500000	40.9	1000.0	1000.000	150.0	V	0.0	-4.5	13.1	54.0
2493.140000	36.9	1000.0	1000.000	150.0	V	30.0	-4.4	17.1	54.0

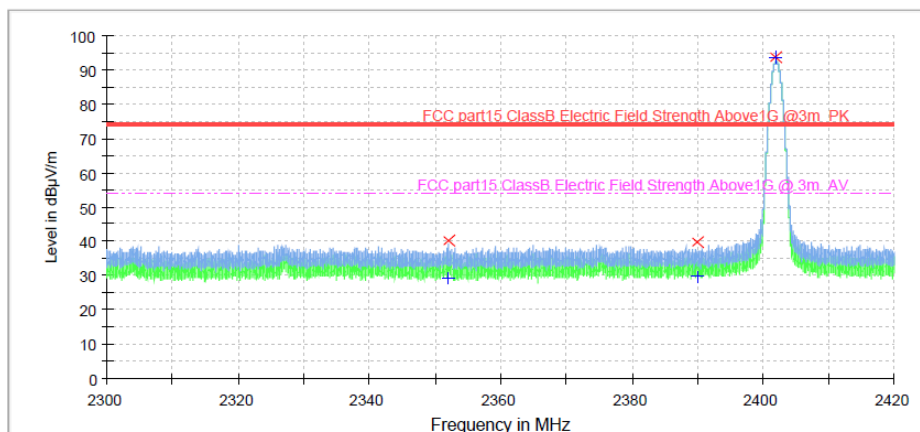
2310MHz-2390MHz, Mode F.1


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2328.765000	39.3	1000.0	1000.000	147.0	H	0.0	-5.3	34.7	74.0
2390.000000	39.6	1000.0	1000.000	147.0	H	0.0	-5.0	34.4	74.0
2401.935000	94.6	1000.0	1000.000	147.0	H	0.0	-4.9	-20.6	74.0

Limit and Margin-AV

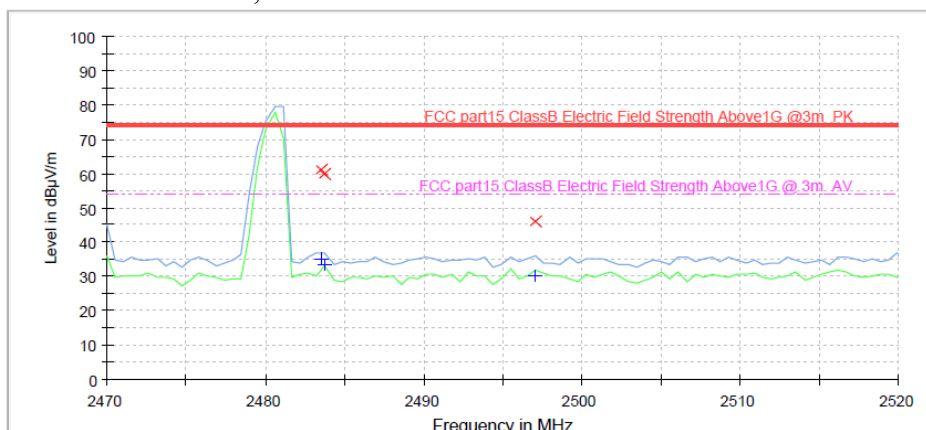
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2328.765000	28.8	1000.0	1000.000	147.0	H	0.0	-5.3	25.2	54.0
2390.000000	28.7	1000.0	1000.000	147.0	H	0.0	-5.0	25.4	54.0
2401.935000	94.5	1000.0	1000.000	147.0	H	0.0	-4.9	-40.5	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2351.950000	40.3	1000.0	1000.000	150.0	V	0.0	-5.2	33.7	74.0
2390.000000	39.6	1000.0	1000.000	150.0	V	0.0	-5.0	34.4	74.0
2402.005000	93.9	1000.0	1000.000	150.0	V	0.0	-4.9	-19.9	74.0

Limit and Margin-AV

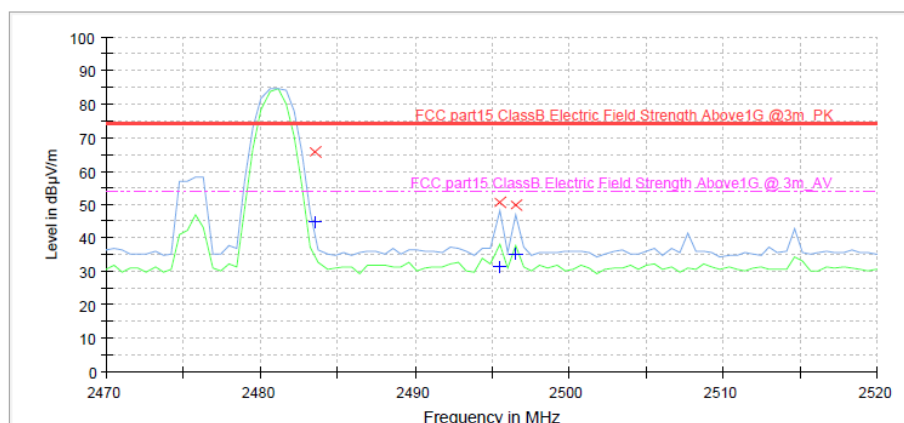
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2351.950000	29.5	1000.0	1000.000	150.0	V	0.0	-5.2	24.5	54.0
2390.000000	29.5	1000.0	1000.000	150.0	V	0.0	-5.0	24.5	54.0
2402.005000	93.7	1000.0	1000.000	150.0	V	0.0	-4.9	-39.7	54.0

2483.5MHz-2500MHz, Mode F.3

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2483.500000	61.0	1000.0	1000.000	150.0	H	0.0	-4.5	13.0	74.0
2483.780000	60.0	1000.0	1000.000	150.0	H	0.0	-4.4	14.0	74.0
2497.060000	46.2	1000.0	1000.000	150.0	H	0.0	-4.4	27.8	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2483.500000	35.3	1000.0	1000.000	150.0	H	0.0	-4.5	18.7	54.0
2483.780000	33.7	1000.0	1000.000	150.0	H	0.0	-4.4	20.3	54.0
2497.060000	30.0	1000.0	1000.000	150.0	H	0.0	-4.4	24.0	54.0


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2483.500000	65.7	1000.0	1000.000	150.0	V	0.0	-4.5	8.3	74.0
2495.470000	50.7	1000.0	1000.000	150.0	V	0.0	-4.4	23.3	74.0
2496.530000	49.6	1000.0	1000.000	150.0	V	0.0	-4.4	24.4	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2483.500000	44.6	1000.0	1000.000	150.0	V	0.0	-4.5	9.4	54.0
2495.470000	31.6	1000.0	1000.000	150.0	V	0.0	-4.4	22.4	54.0
2496.530000	35.1	1000.0	1000.000	150.0	V	0.0	-4.4	18.9	54.0

Prüfbericht - Nr.: CN254RKU 001

Test Report No.:

Seite 76 von 78

Page 76 of 78

4.1.7 Conducted Emission on AC Mains

Result:

Pass

Test Specification

Test standard : CFR47 FCC Part 15.207

Basic standard : ANSI C63.10: 2020 Clause 6.2

Frequency range : 0.15 – 30MHz

Limits : FCC Part 15.207(a)

Kind of test site : Shielded Room

Test Setup

Date of testing : 2024.09.20

Input voltage : AC 120V, 60Hz

Operational mode : Mode G

Temperature : 21°C

Relative humidity : 63%

Atmospheric pressure : 101.2 kPa

Remark:

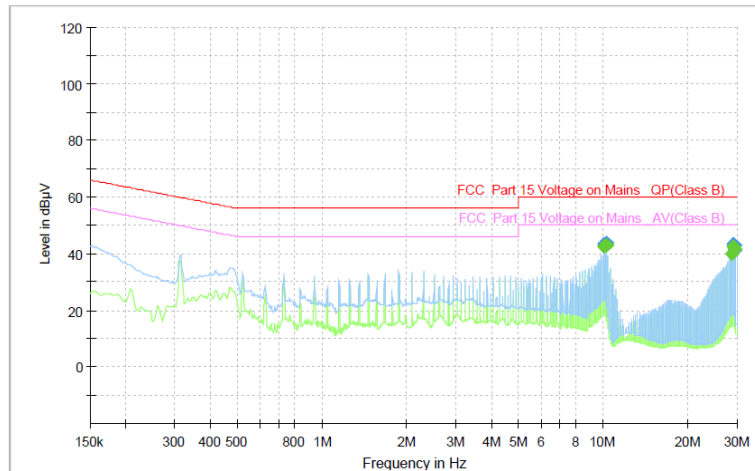
The measurement result is calculated based on the following formula by the test software:

Conducted Emission Level = Reading level + Correction

Prüfbericht - Nr.: CN254RKU 001
Test Report No.:

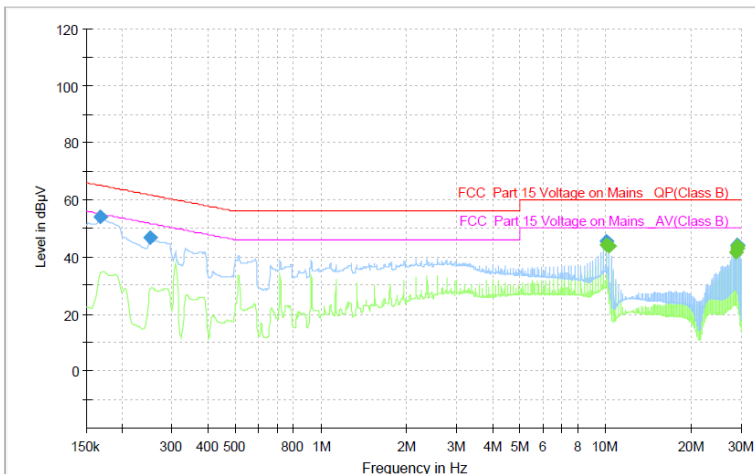
Seite 77 von 78
Page 77 of 78

Figure 17: Test Results of Conducted Emission on AC Mains



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
10.025250	---	42.46	50.00	7.54	1000.0	9.000	L1	OFF	10.4
10.025250	43.45	---	60.00	16.55	1000.0	9.000	L1	OFF	10.4
10.234500	---	42.74	50.00	7.26	1000.0	9.000	L1	OFF	10.4
10.234500	43.91	---	60.00	16.09	1000.0	9.000	L1	OFF	10.4
28.821750	---	39.91	50.00	10.09	1000.0	9.000	L1	OFF	11.4
29.031000	43.55	---	60.00	16.45	1000.0	9.000	L1	OFF	11.4
29.031000	---	42.60	50.00	7.40	1000.0	9.000	L1	OFF	11.4
29.240250	41.36	---	60.00	18.64	1000.0	9.000	L1	OFF	11.4
29.240250	---	41.57	50.00	8.43	1000.0	9.000	L1	OFF	11.4
29.449500	42.88	---	60.00	17.12	1000.0	9.000	L1	OFF	11.4



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.168000	54.27	---	65.06	10.79	1000.0	9.000	N	OFF	9.8
0.251250	46.96	---	61.72	14.75	1000.0	9.000	N	OFF	9.8
10.063500	45.59	---	60.00	14.41	1000.0	9.000	N	OFF	10.4
10.063500	---	44.08	50.00	5.92	1000.0	9.000	N	OFF	10.4
10.268250	---	43.65	50.00	6.35	1000.0	9.000	N	OFF	10.4
28.752000	---	41.54	50.00	8.46	1000.0	9.000	N	OFF	11.3
28.956750	---	42.85	50.00	7.15	1000.0	9.000	N	OFF	11.3
28.956750	43.65	---	60.00	16.35	1000.0	9.000	N	OFF	11.3
29.161500	44.28	---	60.00	15.72	1000.0	9.000	N	OFF	11.3
29.161500	---	43.74	50.00	6.26	1000.0	9.000	N	OFF	11.3

5. List of Tables

Table 1: List of Test and Measurement Equipment.....	5
Table 2: Measurement Uncertainty.....	5
Table 3: General Description of EUT.....	6
Table 4: Channel List.....	7
Table 5: List of Auxiliary Equipment.....	9
Table 6: Test result of 6dB Bandwidth.....	13
Table 7: Test result of Maximum Conducted Output Power.....	17
Table 8: Test result of Power Spectral Density.....	21

6. List of Figures

Figure 1: 6dB Bandwidth Measurement.....	14
Figure 2: Maximum Conducted Output Power.....	18
Figure 3: Power Spectral Density.....	22
Figure 4: Band Edge.....	26
Figure 5: Conducted Spurious Emission.....	28
Figure 6: Spectral Diagrams, Radiated Spurious Emission, Mode A.1.....	34
Figure 7: Spectral Diagrams, Radiated Spurious Emission, Mode A.2.....	37
Figure 8: Spectral Diagrams, Radiated Spurious Emission, Mode A.3.....	40
Figure 9: Spectral Diagrams, Radiated Spurious Emission, Mode B.1.....	43
Figure 10: Spectral Diagrams, Radiated Spurious Emission, Mode B.2.....	46
Figure 11: Spectral Diagrams, Radiated Spurious Emission, Mode B.3.....	49
Figure 12: Spectral Diagrams, Radiated Spurious Emission, Mode F.1.....	52
Figure 13: Spectral Diagrams, Radiated Spurious Emission, Mode F.2.....	55
Figure 14: Spectral Diagrams, Radiated Spurious Emission, Mode F.3.....	58
Figure 15: Spectral Diagrams, Radiated Spurious Emission, Mode G.....	61
Figure 16: Spectral Diagrams, Restricted frequency bands.....	64
Figure 17: Test Results of Conducted Emission on AC Mains.....	77

--The END --