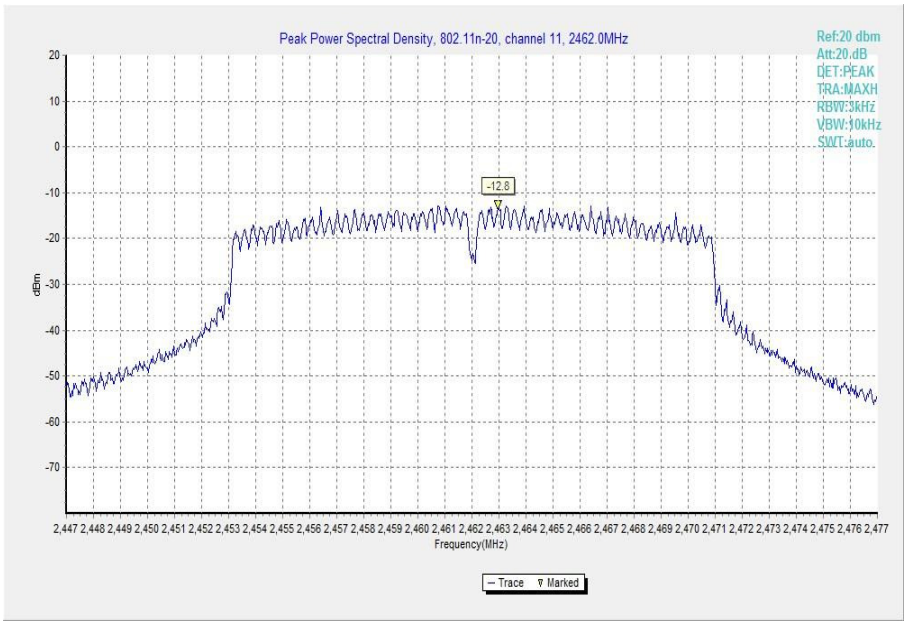

Fig.69 Power Spectral Density (802.11n-20MHz, Ch 11)

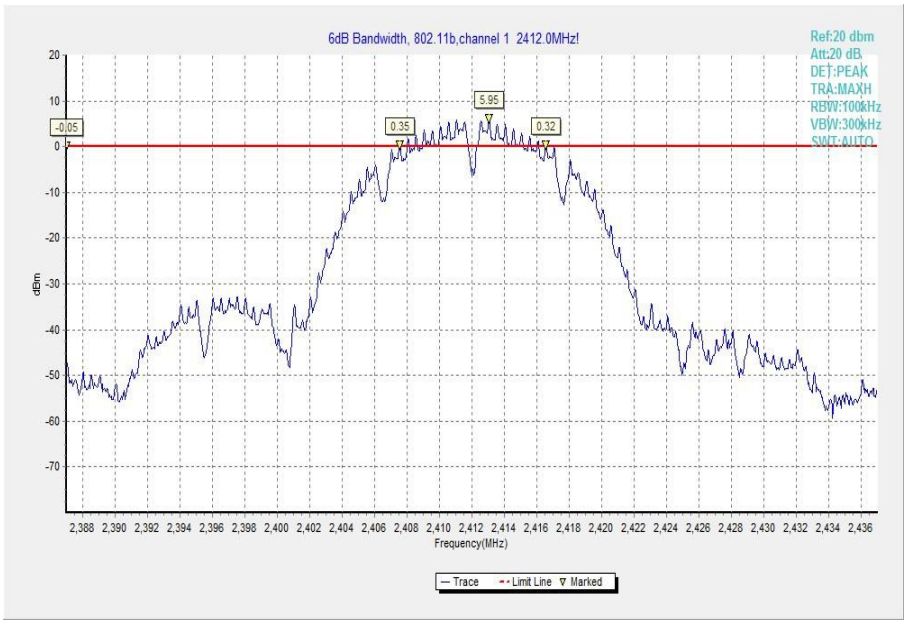

Fig.70 Occupied 6dB Bandwidth (802.11b, Ch 1)

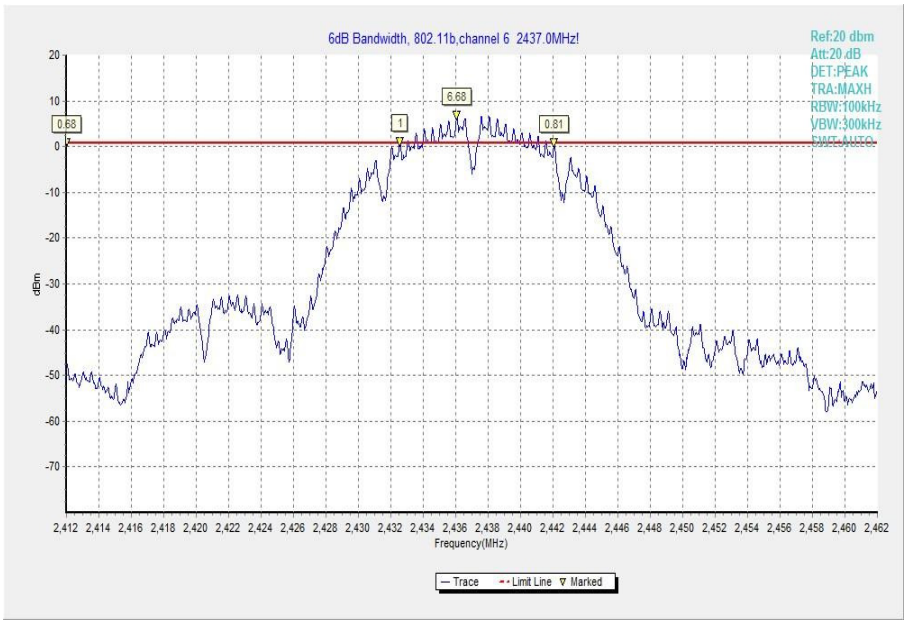

Fig.71 Occupied 6dB Bandwidth (802.11b, Ch 6)

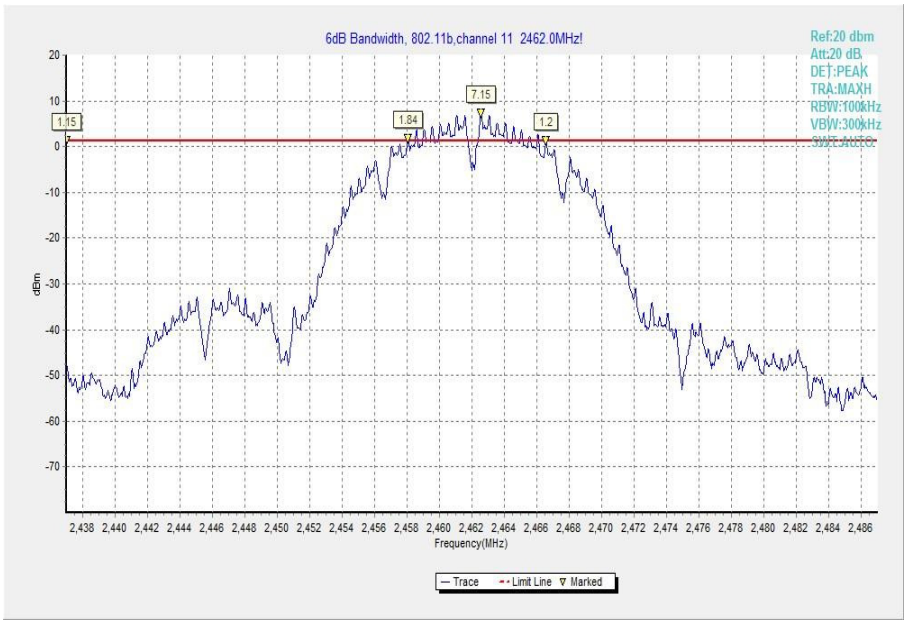

Fig.72 Occupied 6dB Bandwidth (802.11b, Ch 11)

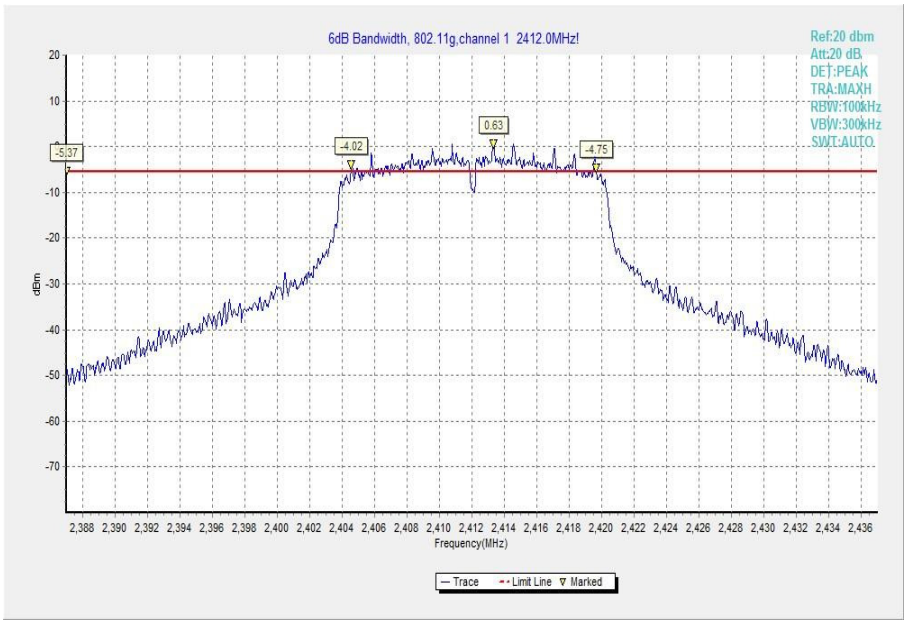

Fig.73 Occupied 6dB Bandwidth (802.11g, Ch 1)

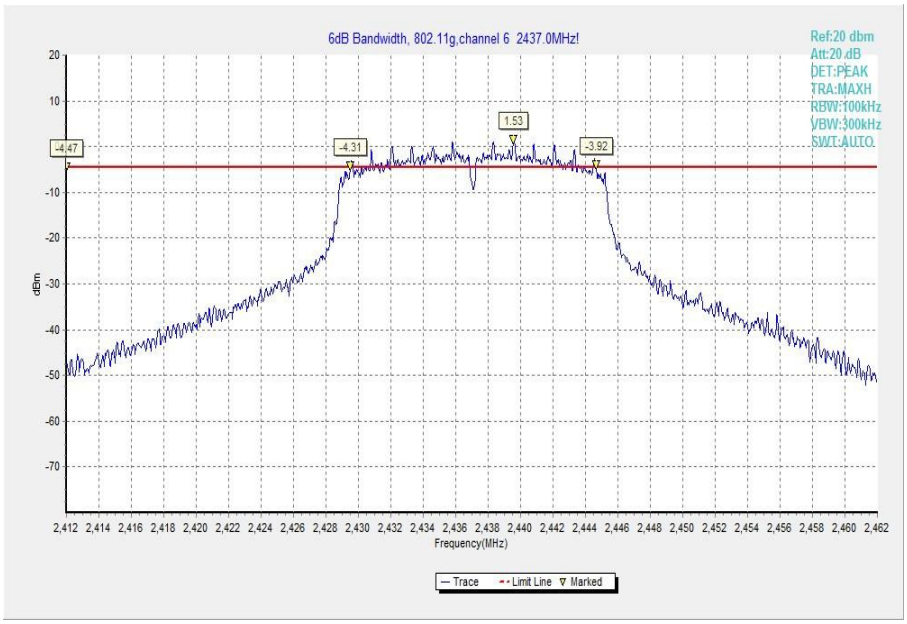

Fig.74 Occupied 6dB Bandwidth (802.11g, Ch 6)

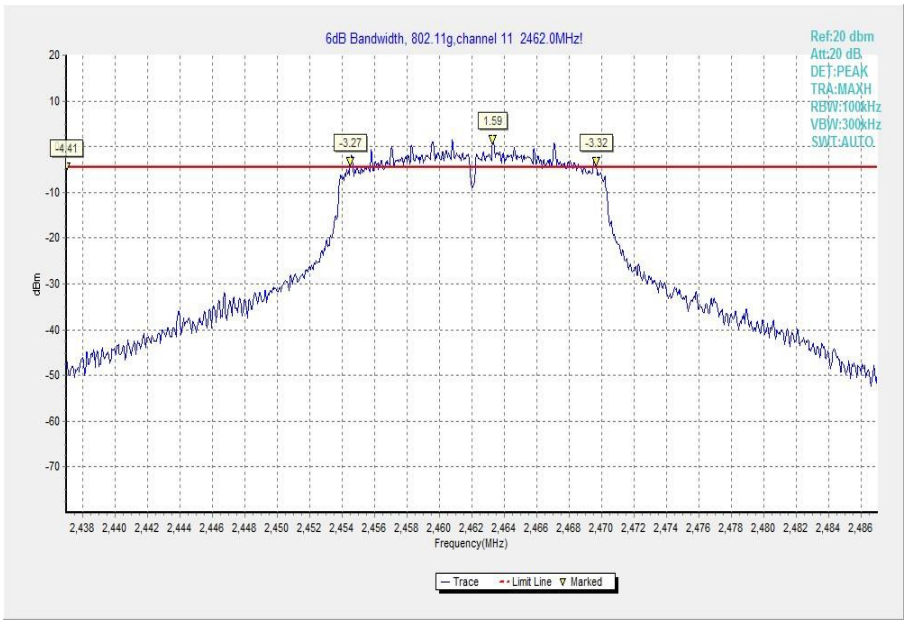

Fig.75 Occupied 6dB Bandwidth (802.11g, Ch 11)

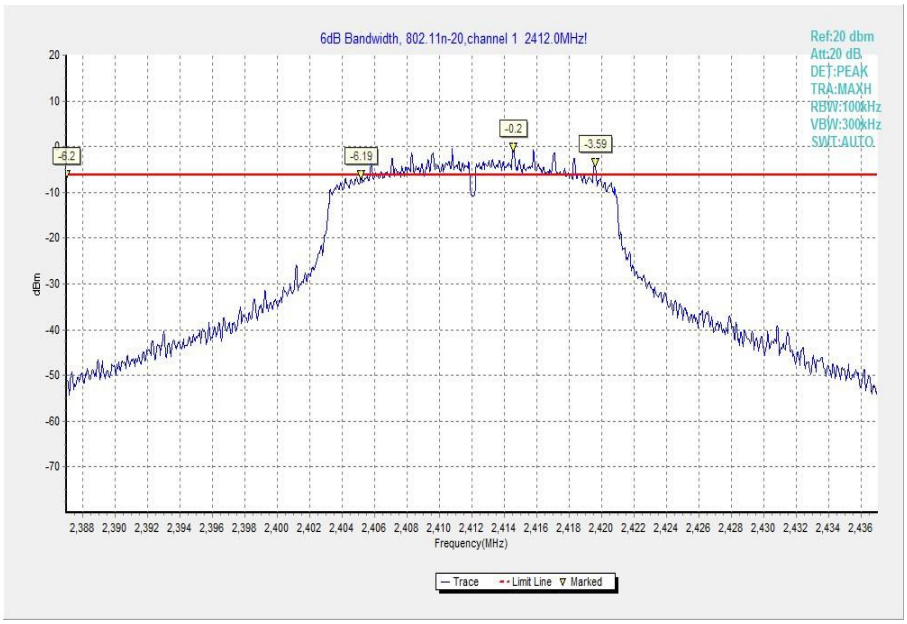

Fig.76 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 1)

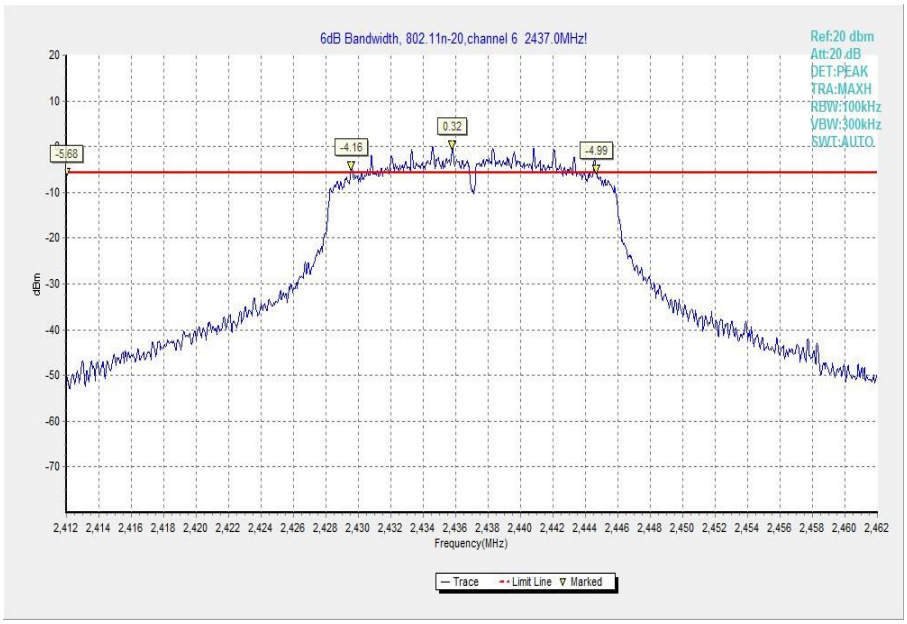

Fig.77 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 6)

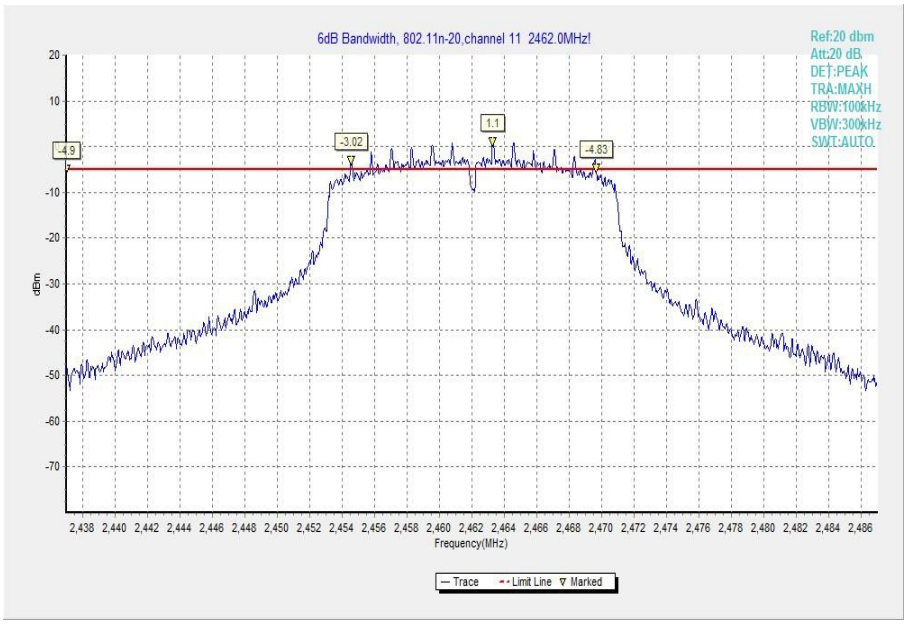

Fig.78 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 11)

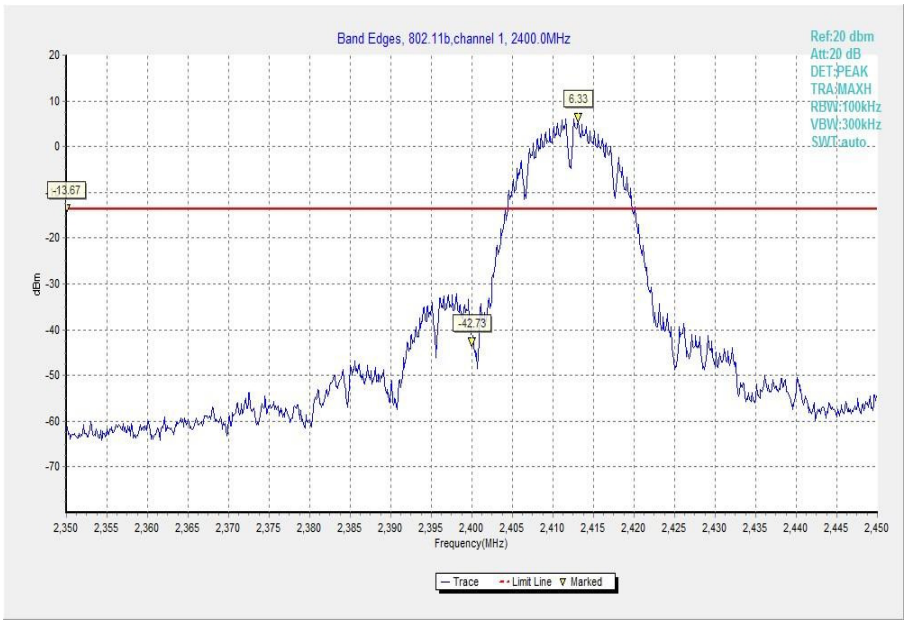

Fig.79 Band Edges (802.11b, Ch 1)

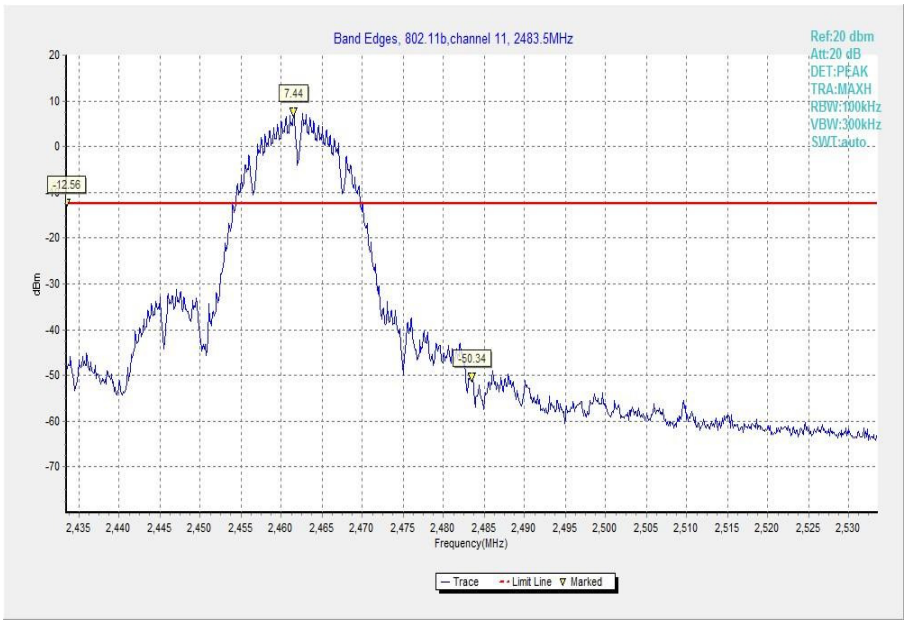

Fig.80 Band Edges (802.11b, Ch 11)

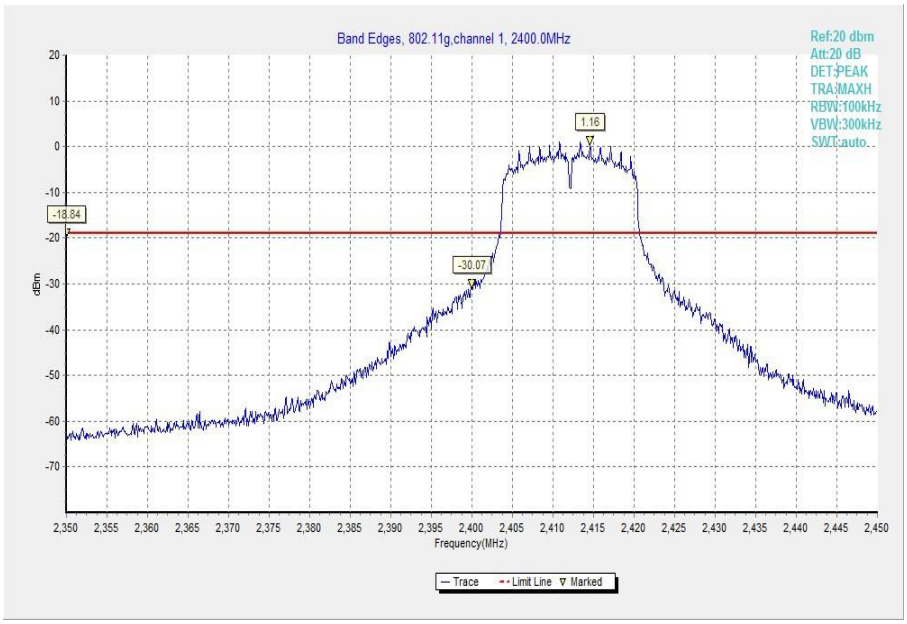

Fig.81 Band Edges (802.11g, Ch 1)

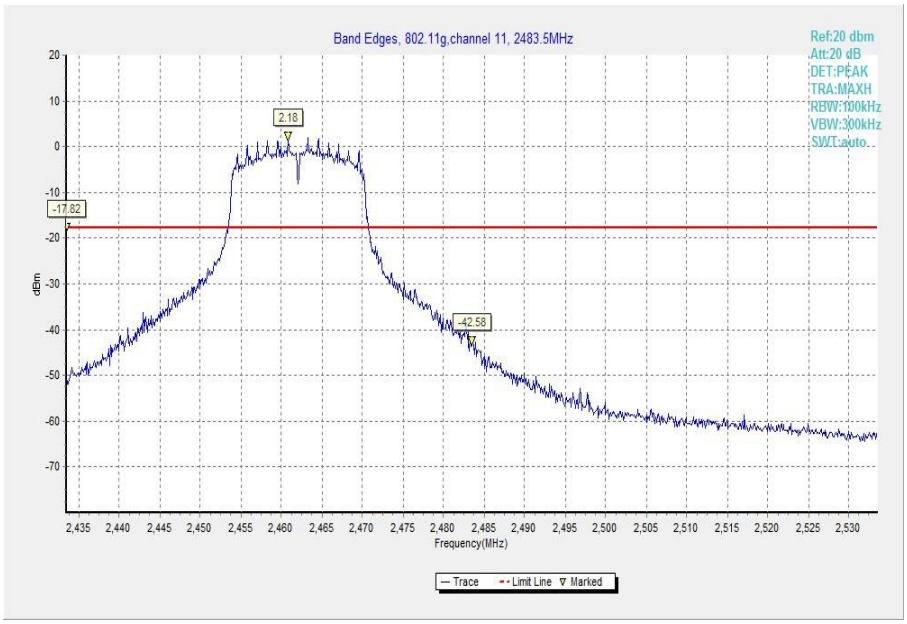

Fig.82 Band Edges (802.11g, Ch 11)

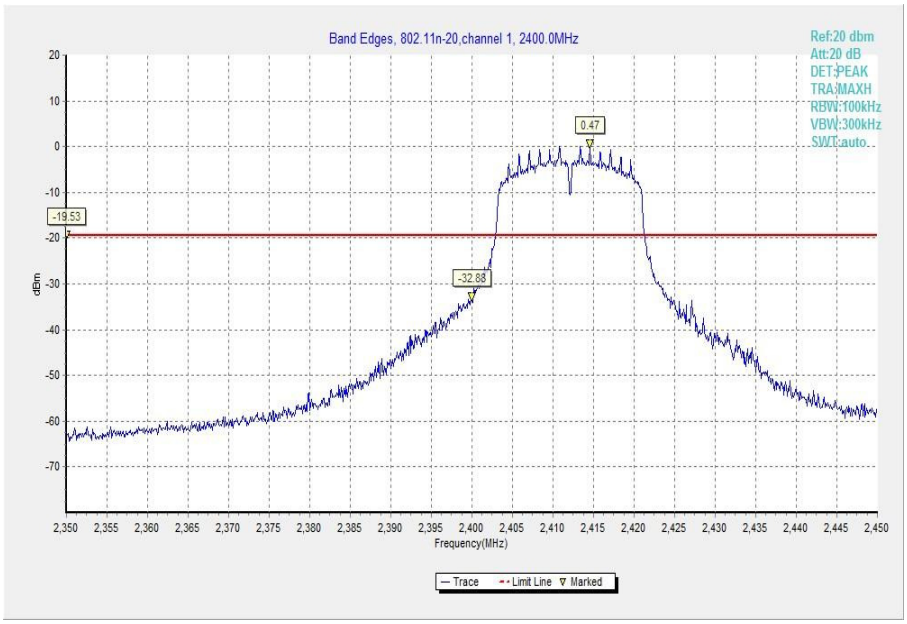

Fig.83 Band Edges (802.11 n-20MHz, Ch 1)

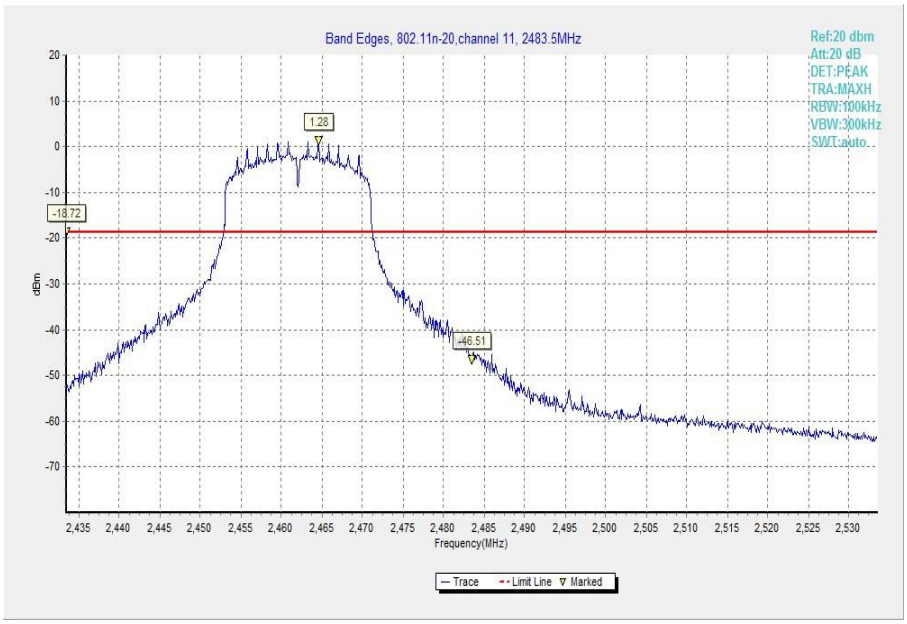

Fig.84 Band Edges (802.11 n-20MHz, Ch 11)

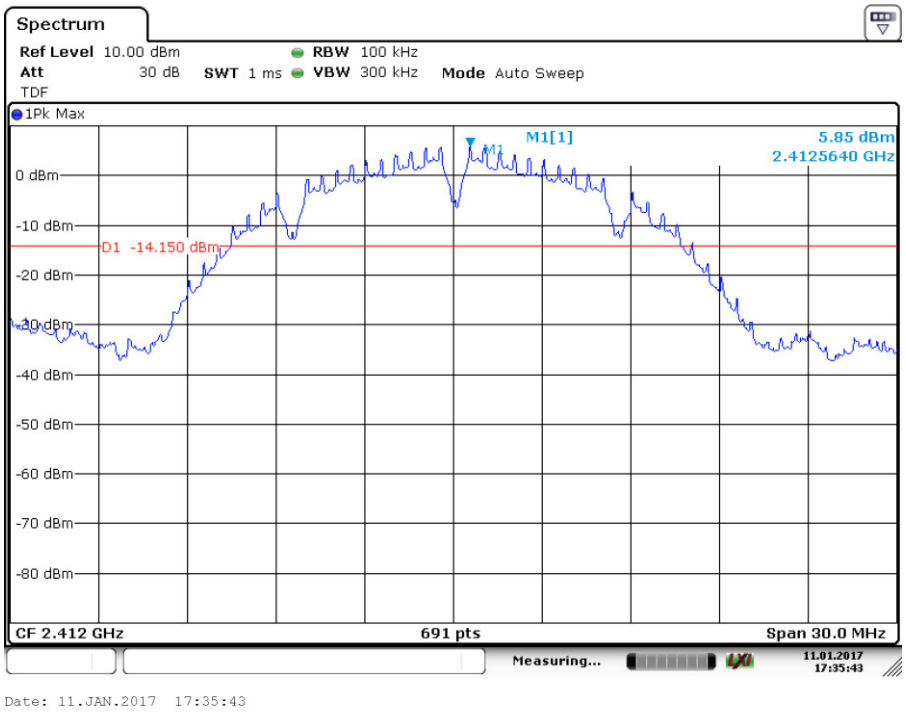

Fig.85 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)

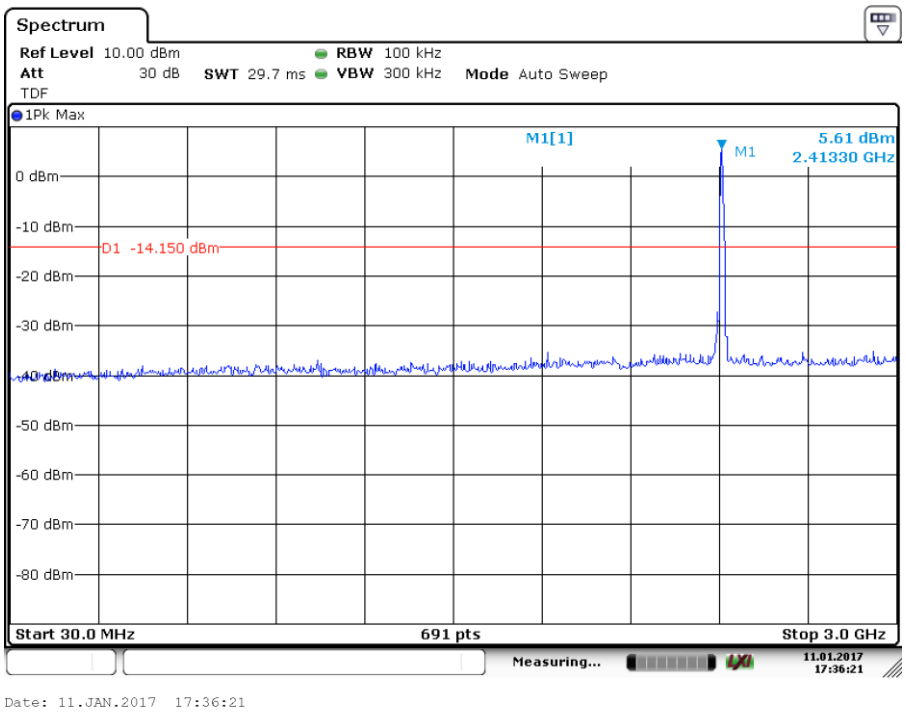

Fig.86 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-3 GHz)

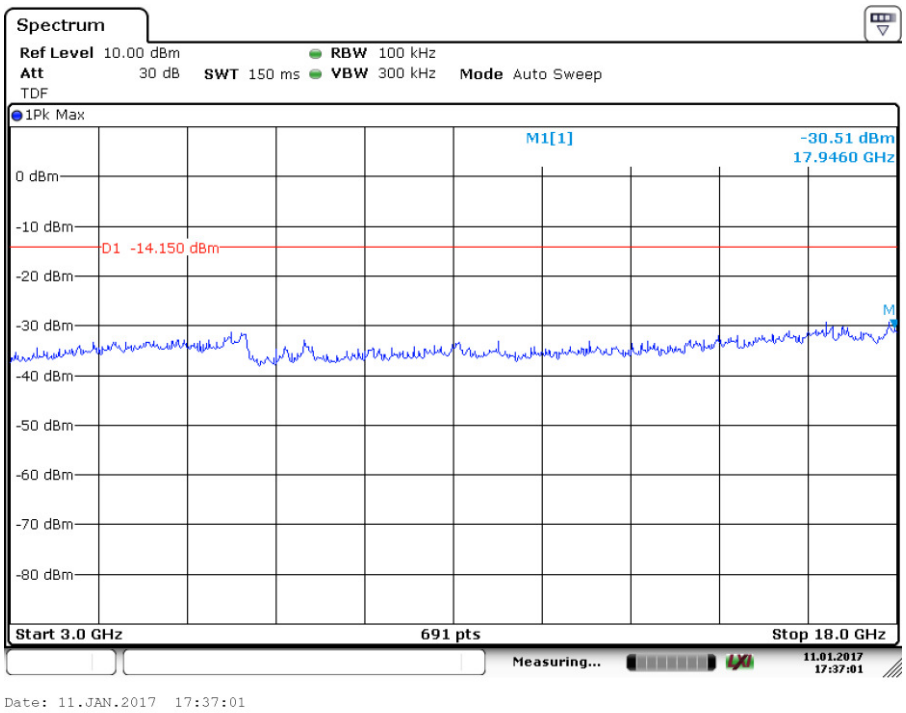

Fig.87 Conducted Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

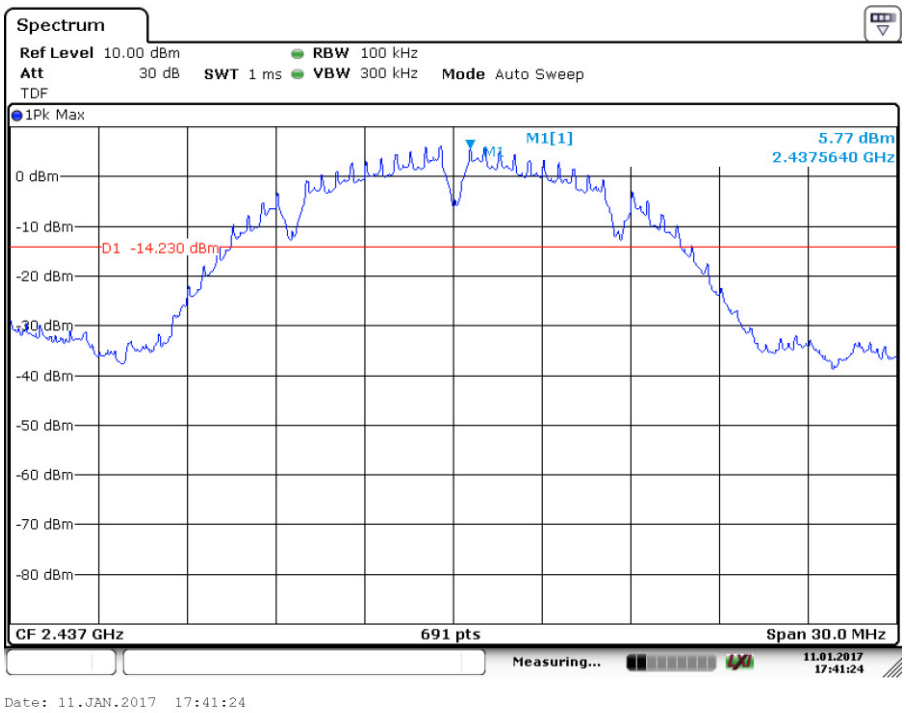

Fig.88 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)

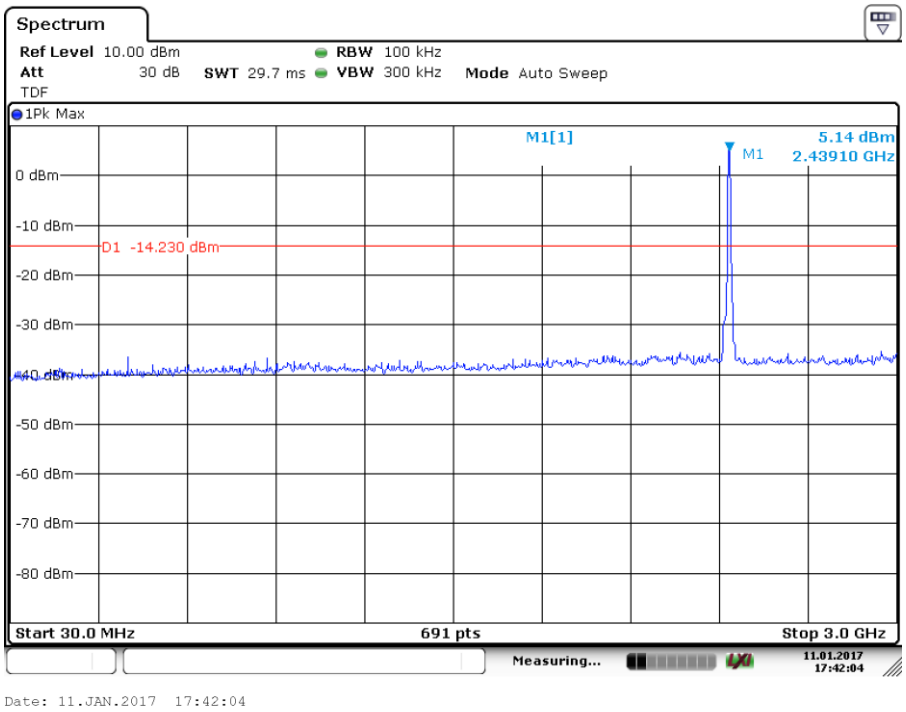

Fig.89 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-3 GHz)

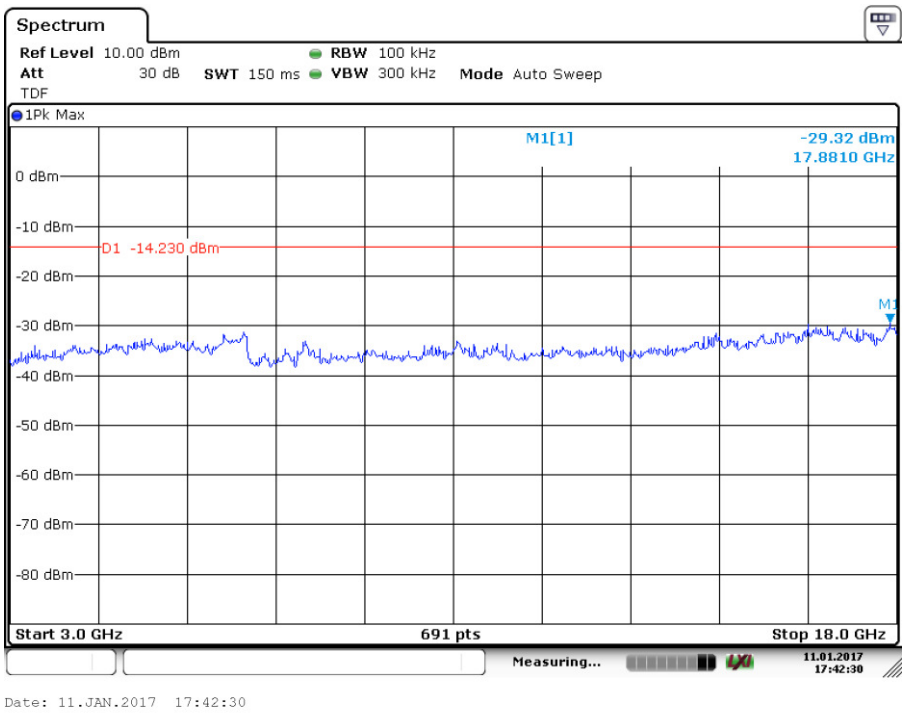

Fig.90 Conducted Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

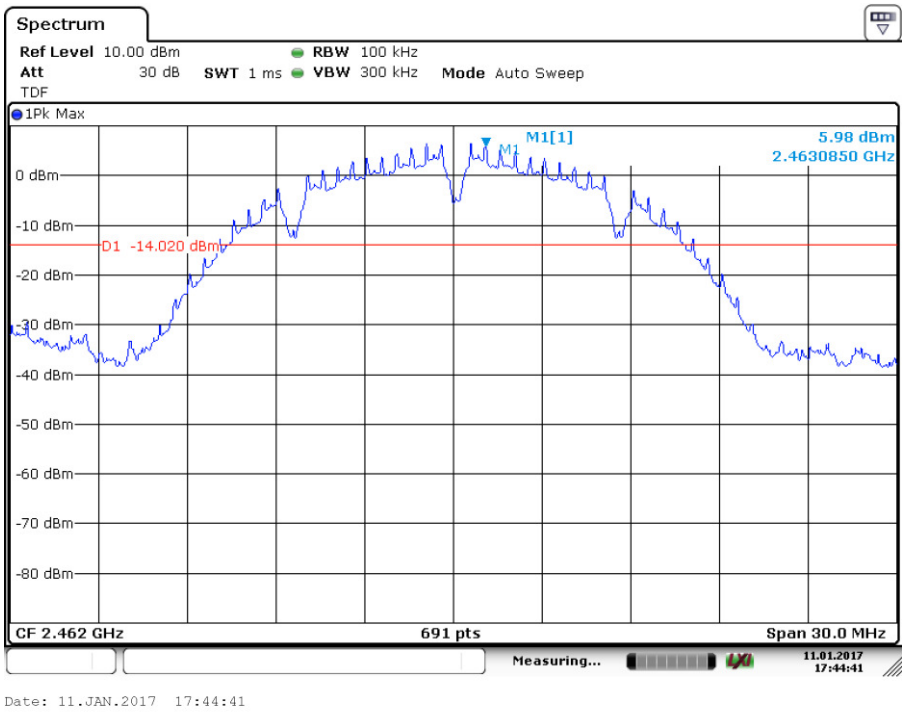

Fig.91 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)

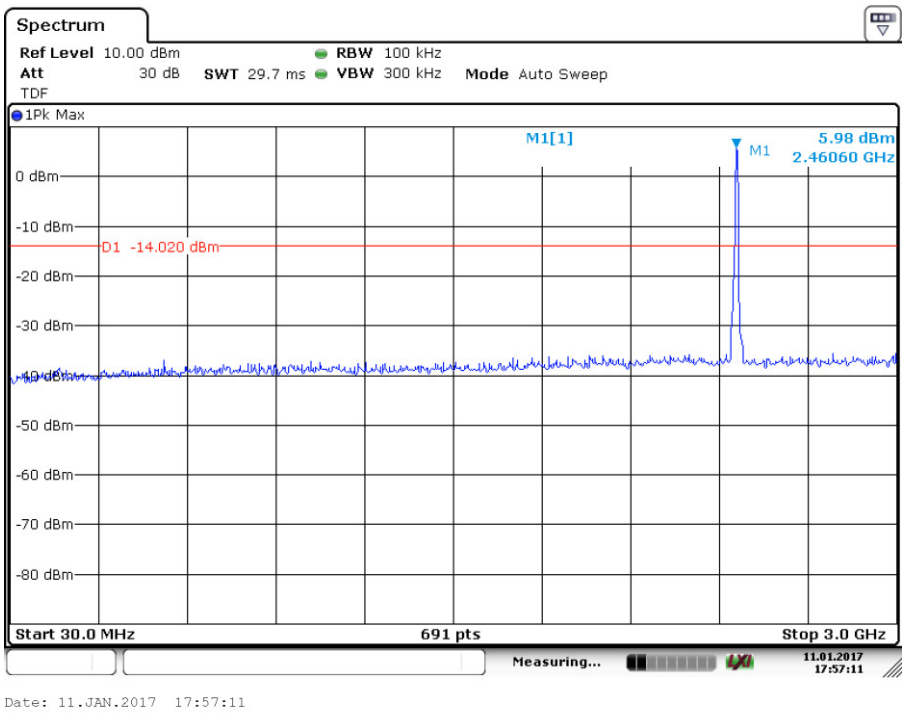

Fig.92 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-3 GHz)

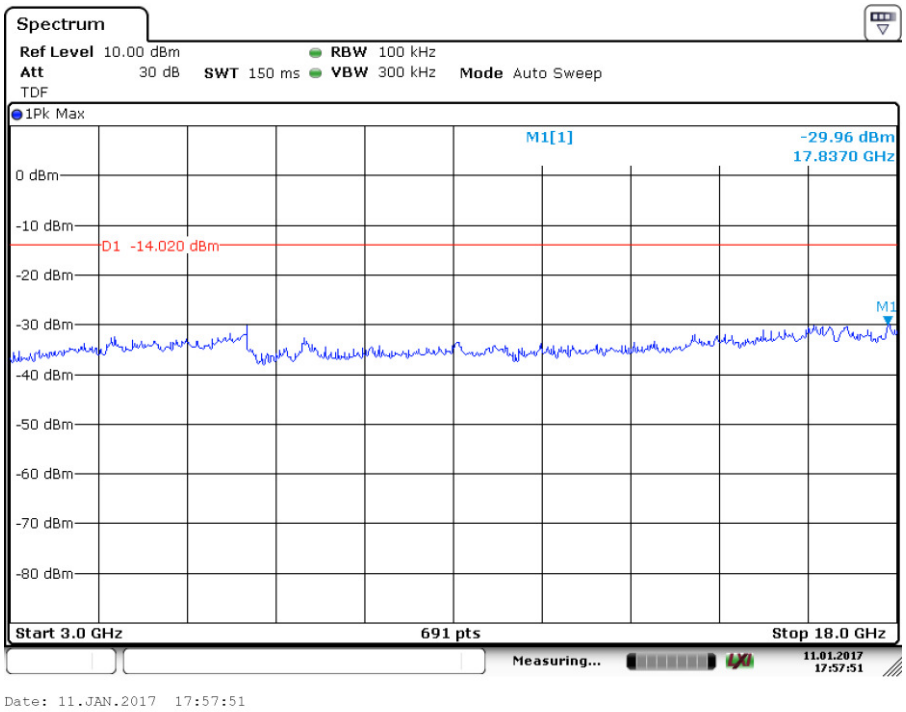

Fig.93 Conducted Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

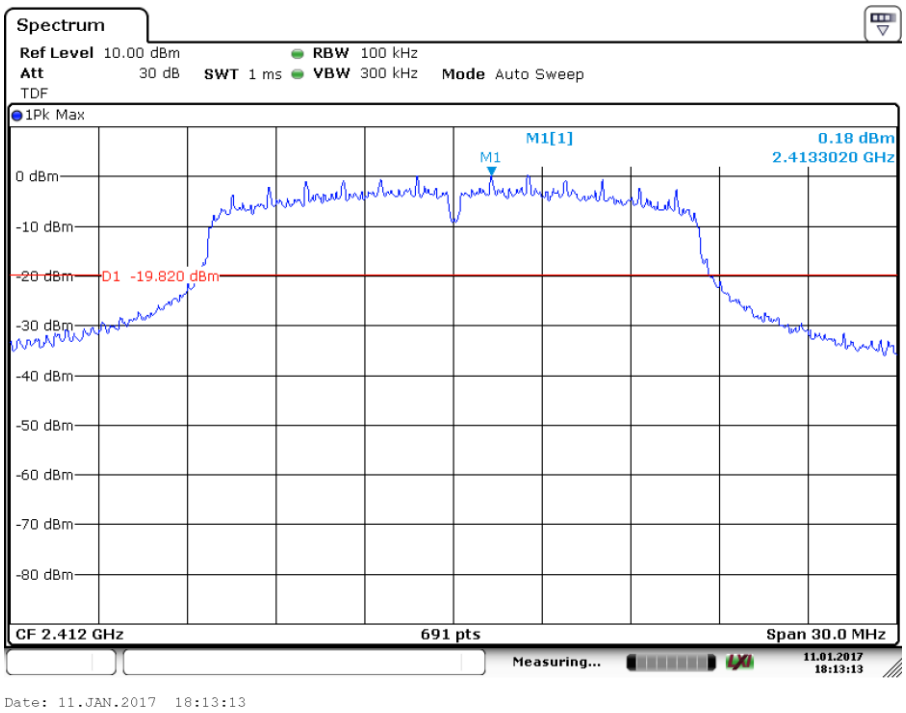

Fig.94 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)

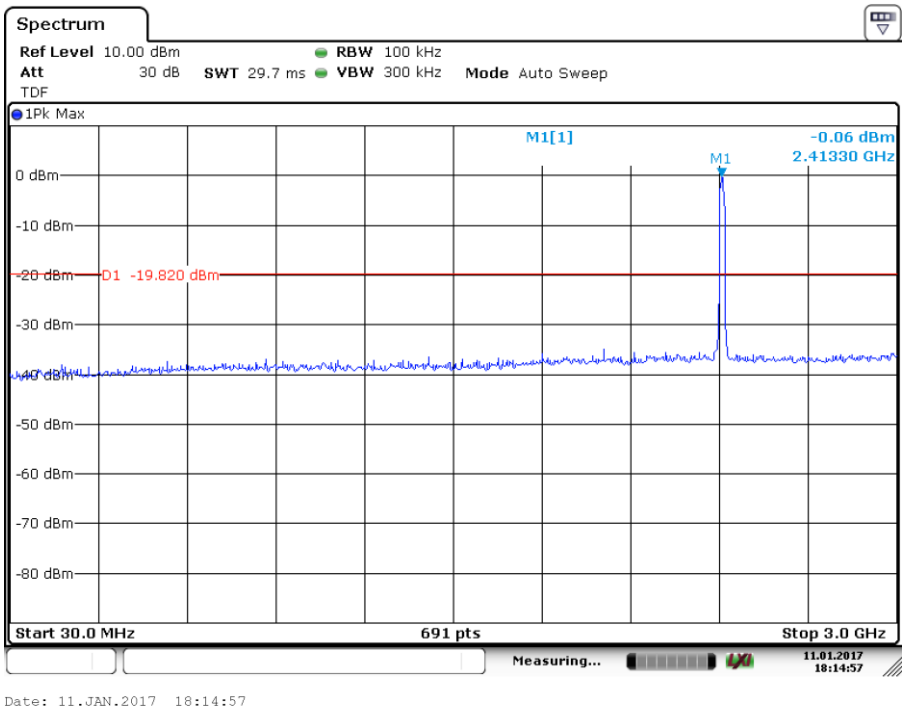

Fig.95 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-3 GHz)

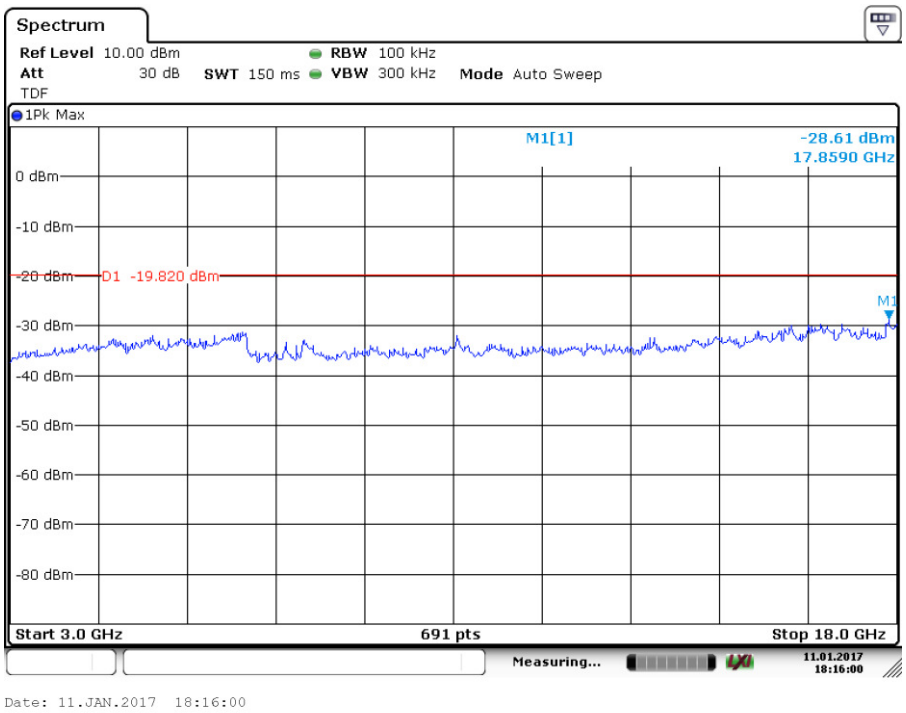

Fig.96 Conducted Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

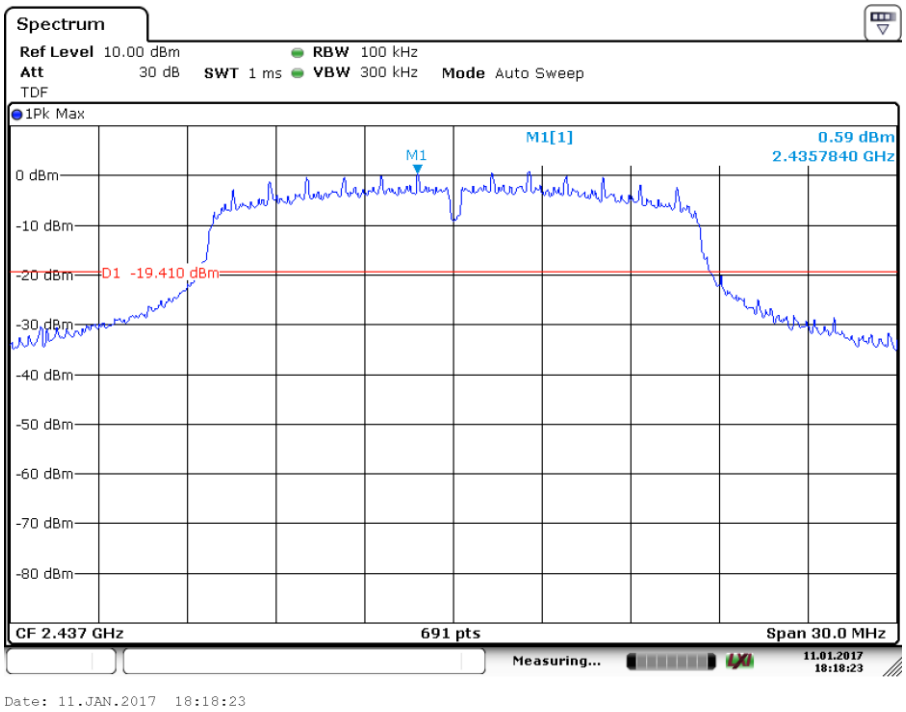

Fig.97 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)

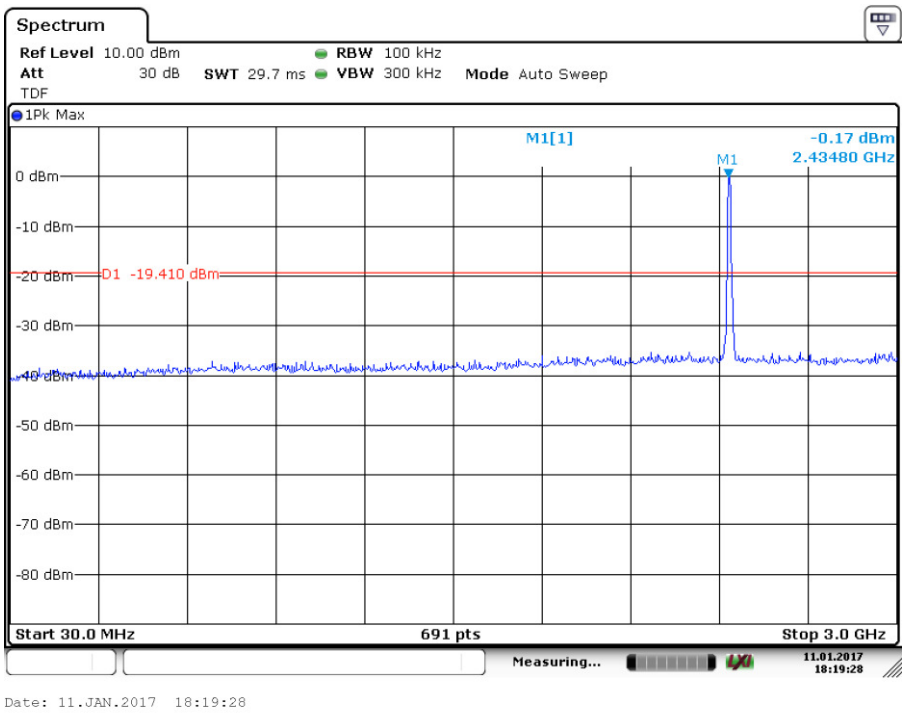

Fig.98 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-3 GHz)

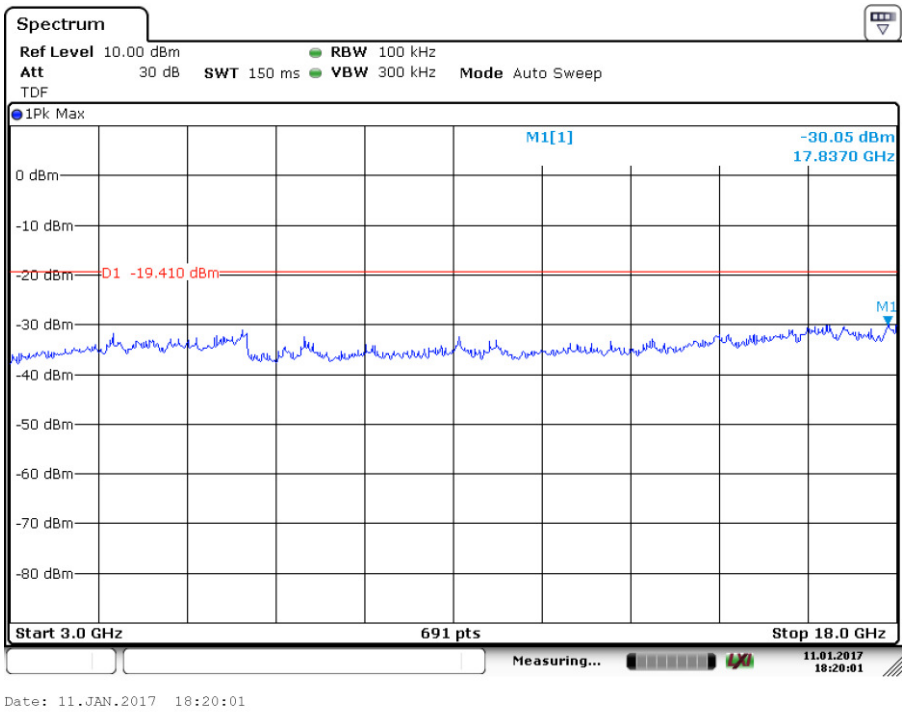

Fig.99 Conducted Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

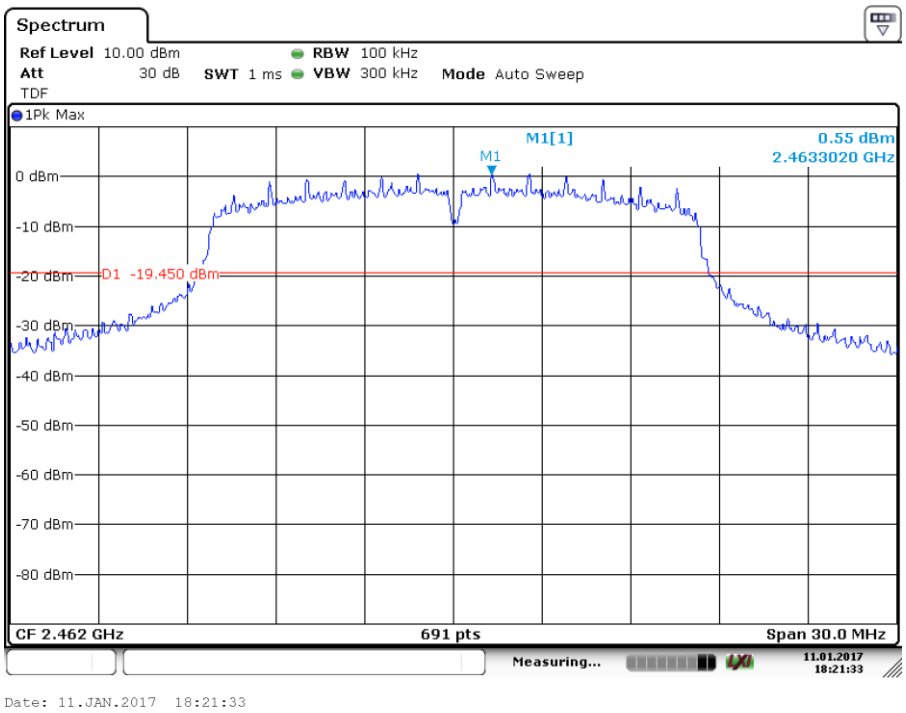

Fig.100 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)

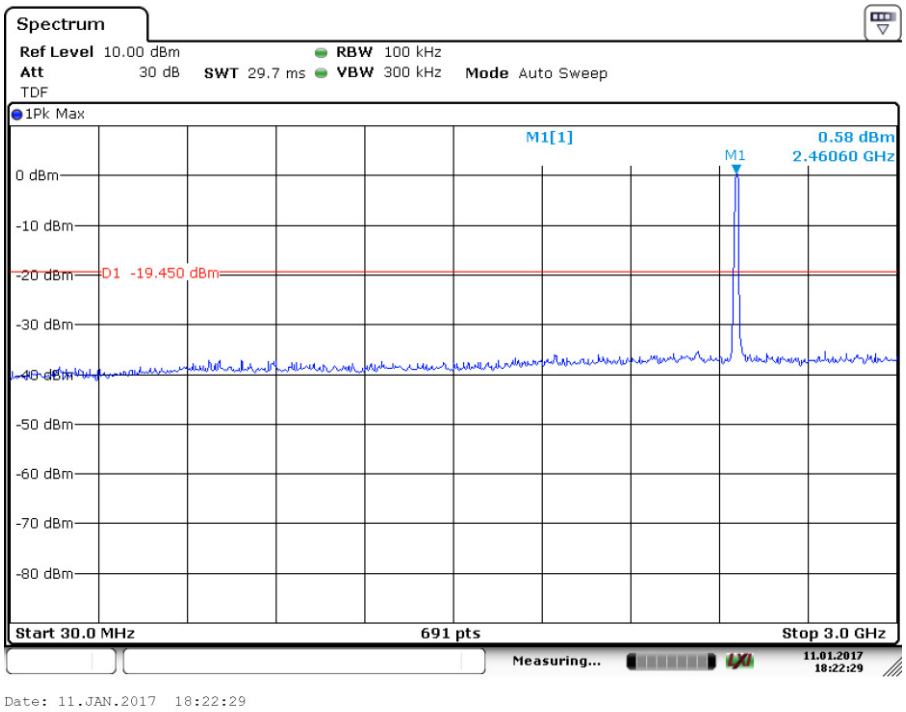

Fig.101 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-3 GHz)

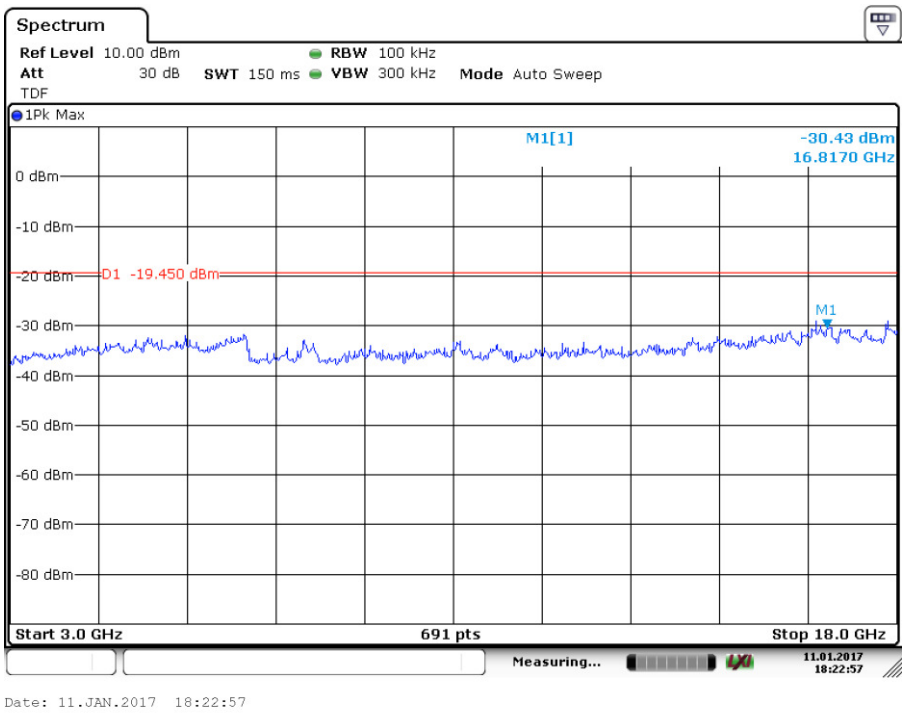

Fig.102 Conducted Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

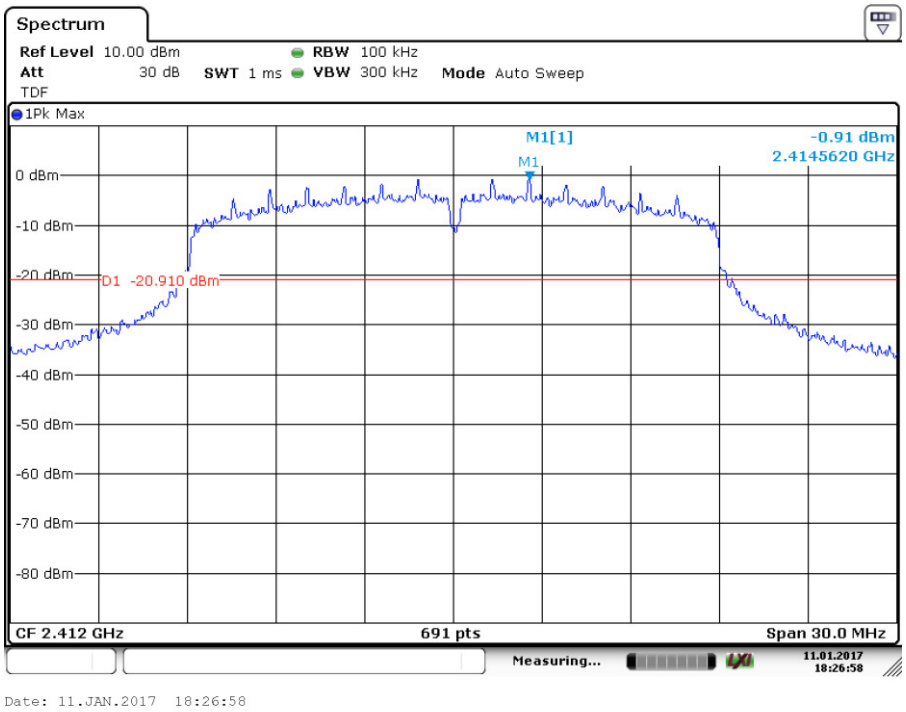

Fig.103 Conducted Spurious Emission (802.11n-20MHz, Ch1, Center Frequency)

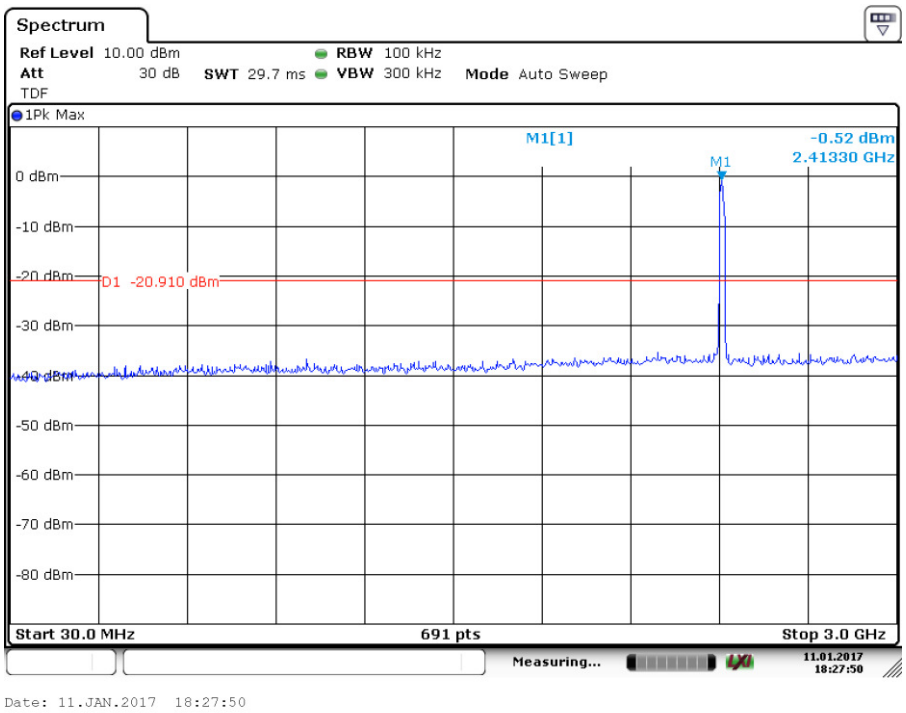

Fig.104 Conducted Spurious Emission (802.11n-20MHz, Ch1, 30 MHz-3 GHz)

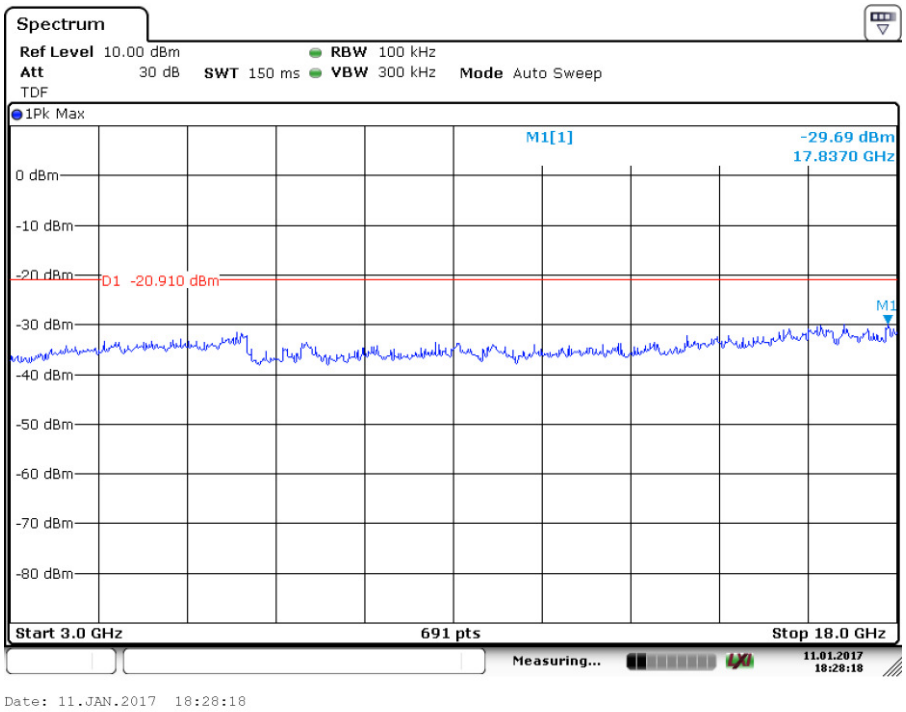

Fig.105 Conducted Spurious Emission (802.11n-20MHz, Ch1, 3 GHz-18 GHz)

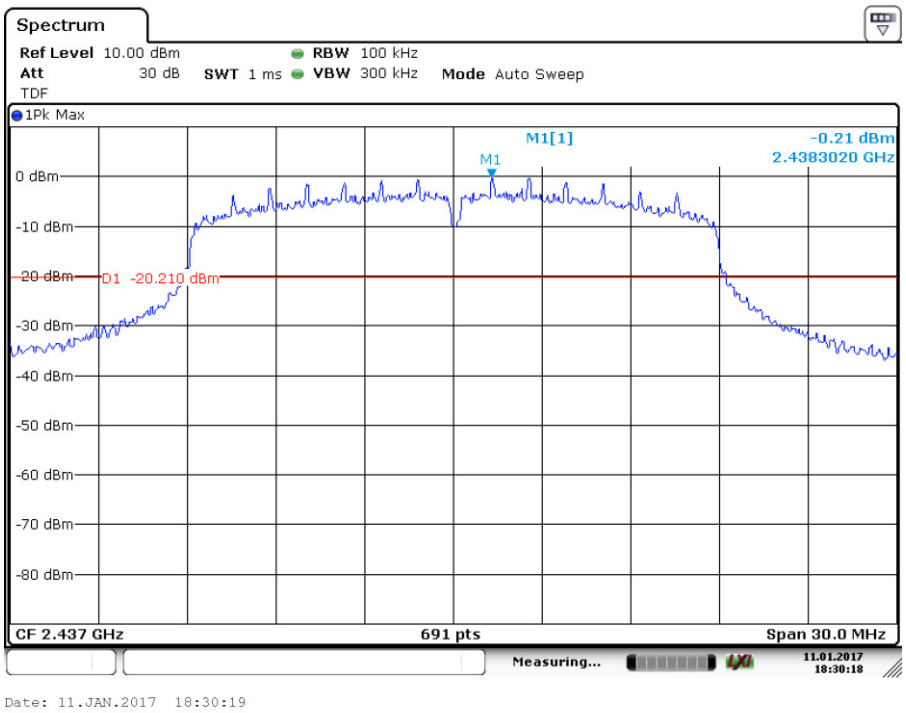

Fig.106 Conducted Spurious Emission (802.11n-20MHz, Ch6, Center Frequency)

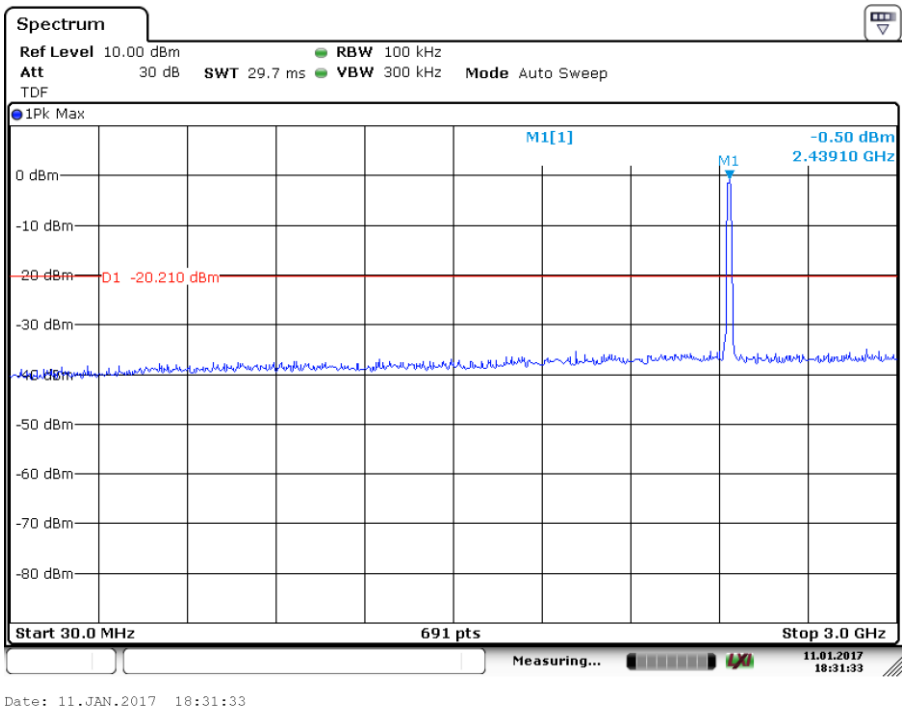

Fig.107 Conducted Spurious Emission (802.11n-20MHz, Ch6, 30 MHz-3 GHz)

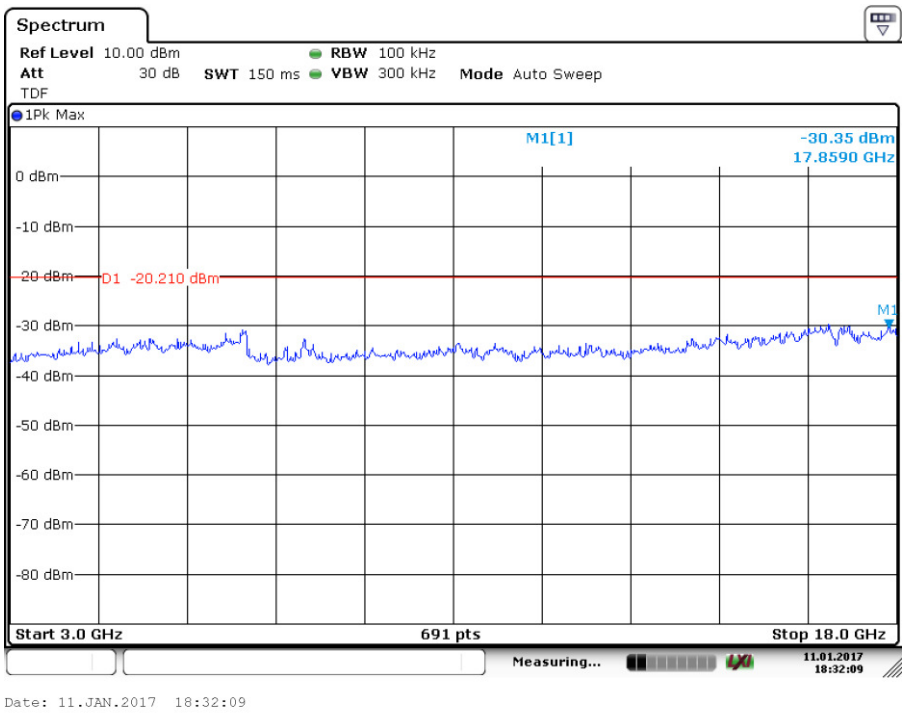

Fig.108 Conducted Spurious Emission (802.11n-20MHz, Ch6, 3 GHz-18 GHz)

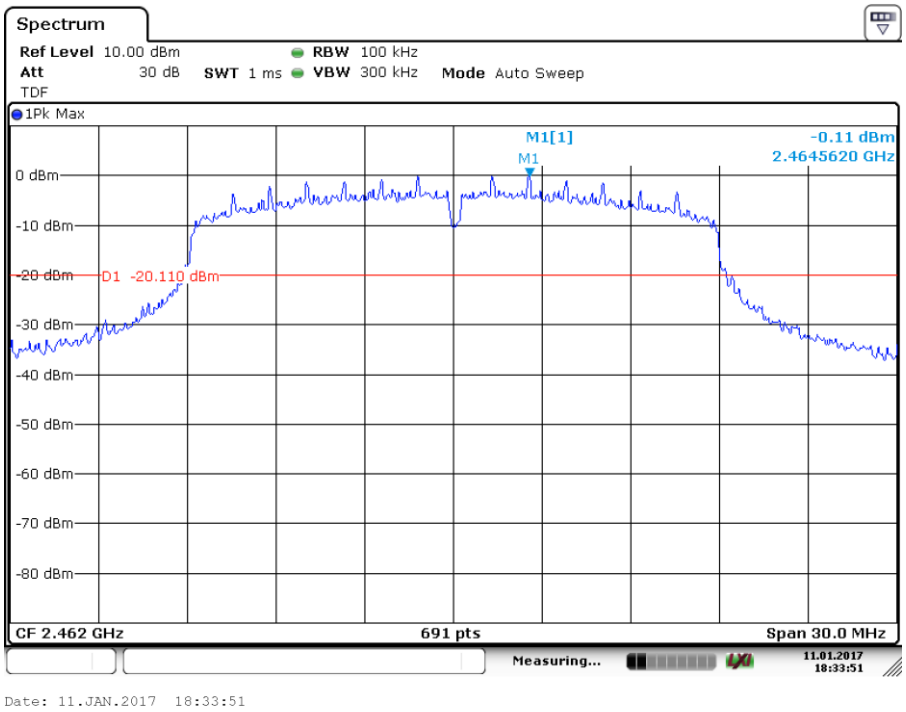

Fig.109 Conducted Spurious Emission (802.11n-20MHz, Ch11, Center Frequency)

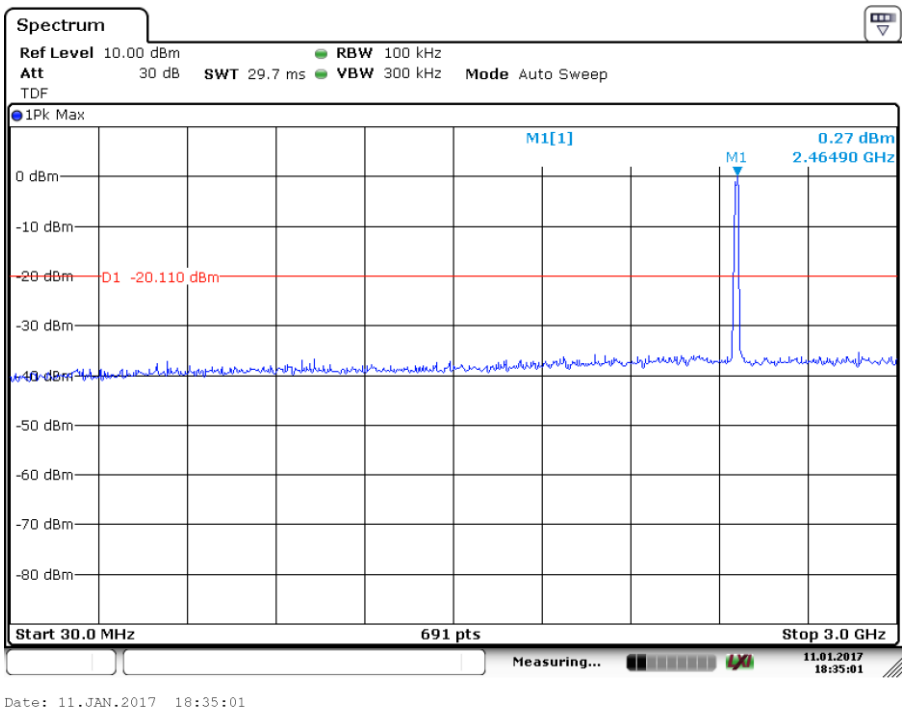

Fig.110 Conducted Spurious Emission (802.11n-20MHz, Ch11, 30 MHz-3 GHz)

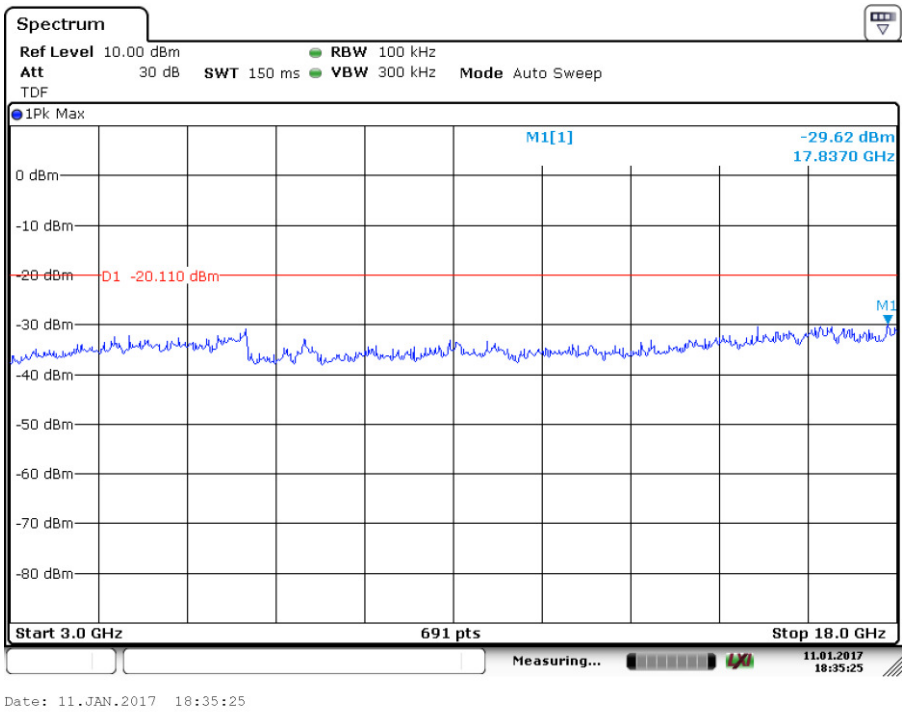

Fig.111 Conducted Spurious Emission (802.11n-20MHz, Ch11, 3 GHz-18 GHz)

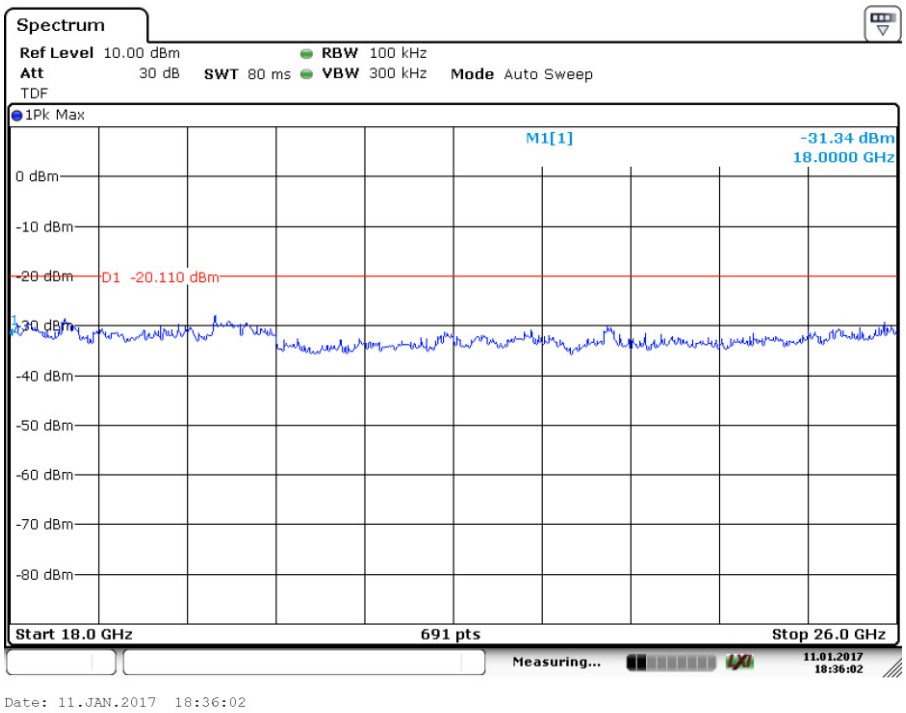

Fig.112 Conducted Spurious Emission (All channels, 18 GHz-26 GHz)

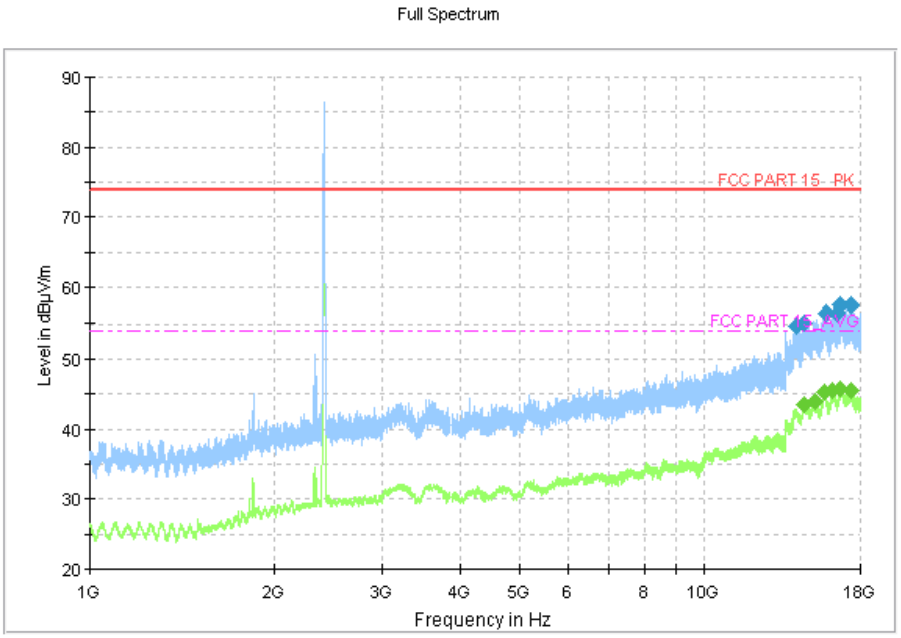

Fig.113 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-18GHz)

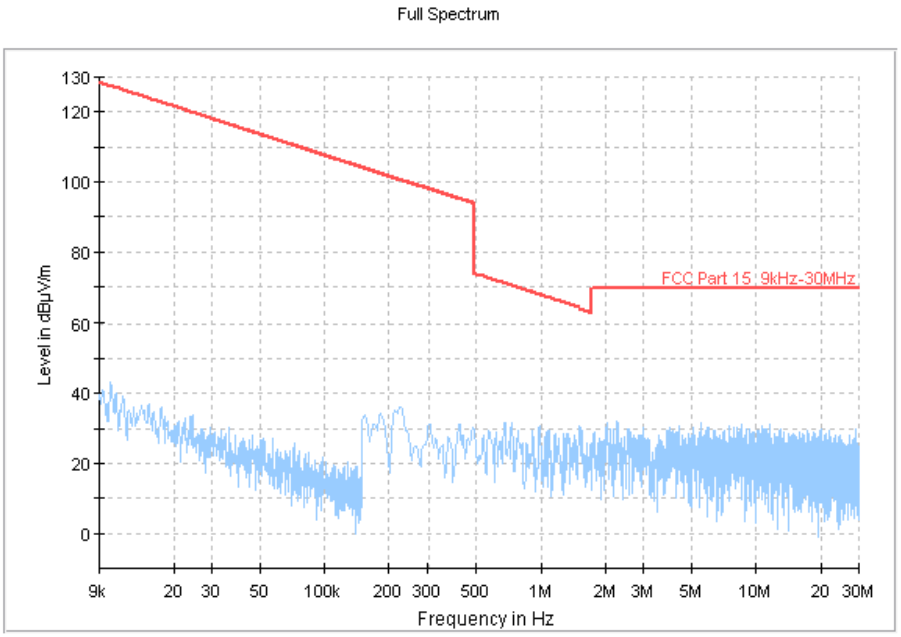

Fig.114 Radiated Spurious Emission (802.11b, Ch6, 9kHz-30MHz)

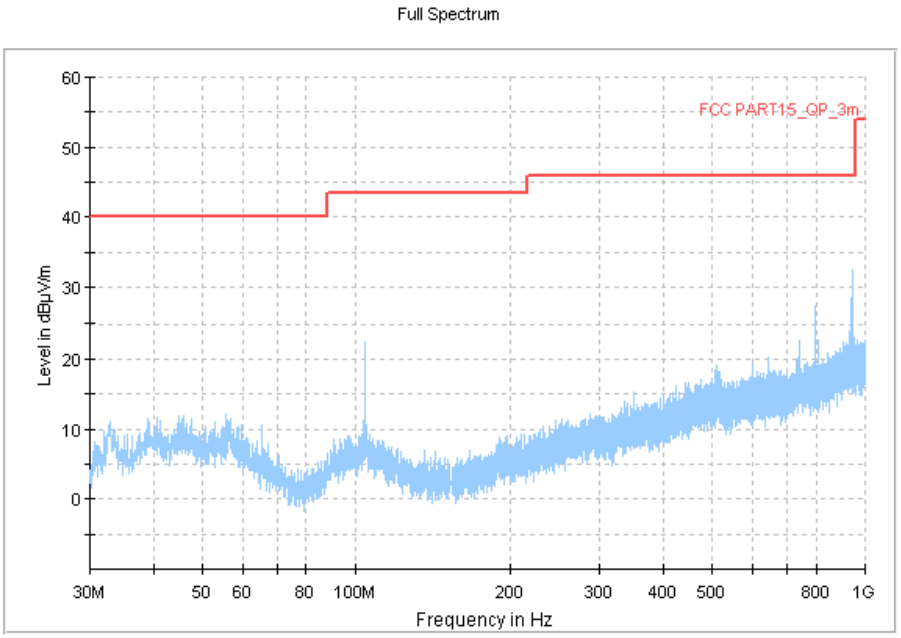

Fig.115 Radiated Spurious Emission (802.11b, Ch6, 30MHz-1 GHz)

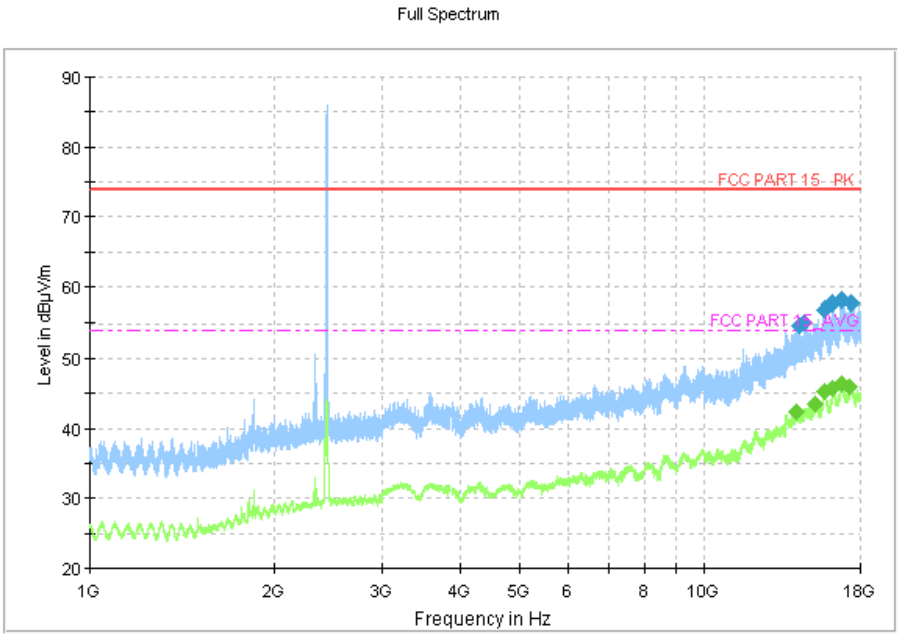

Fig.116 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-18GHz)

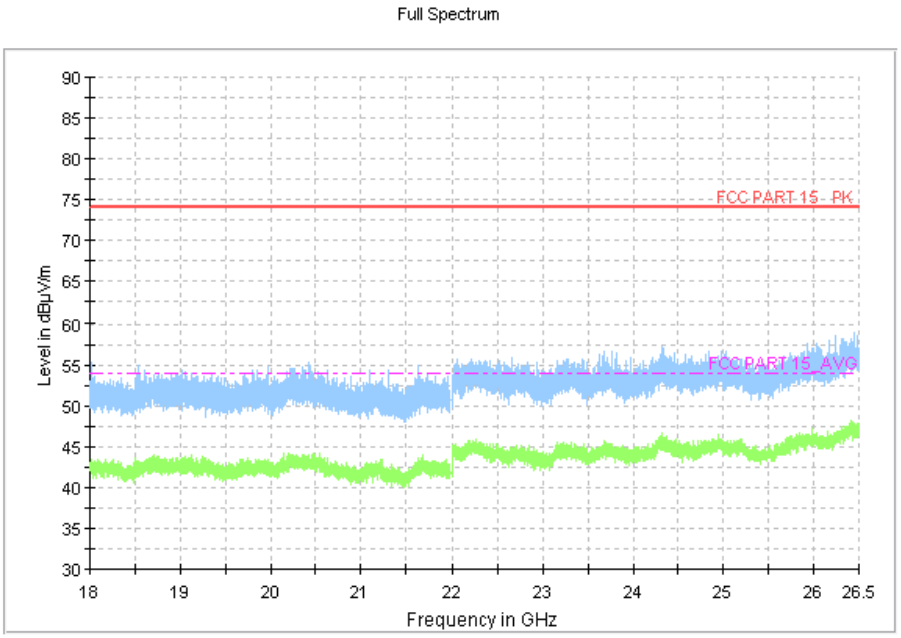

Fig.117 Radiated Spurious Emission (802.11b, Ch6, 18 GHz-26.5GHz)

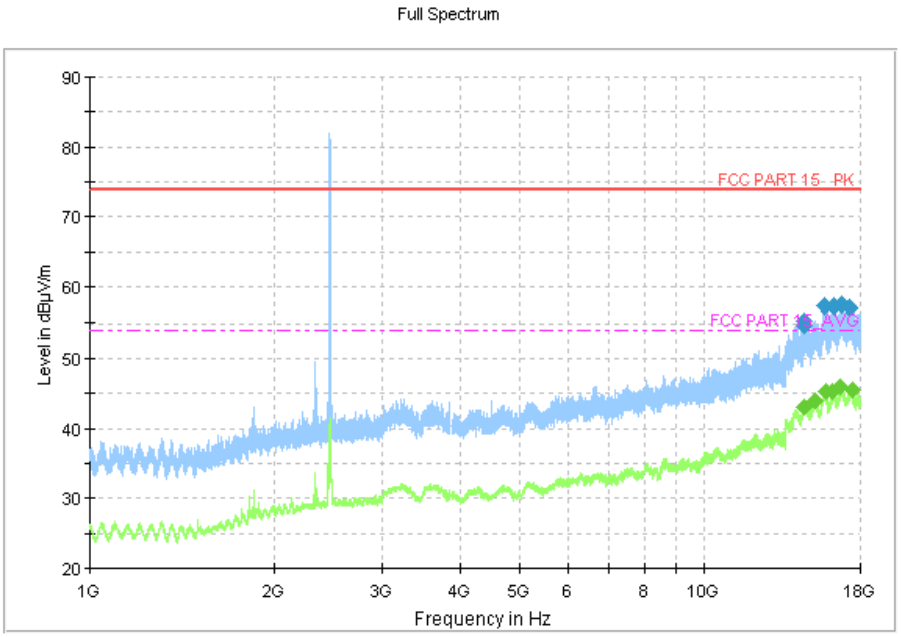

Fig.118 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-18GHz)

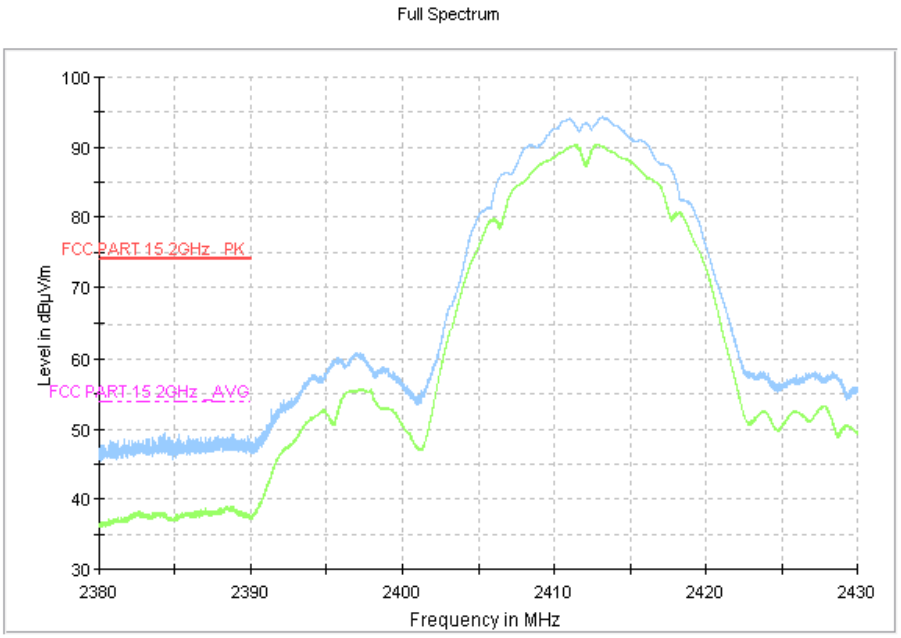

Fig.119 Radiated Emission Power (802.11b, Ch1, 2380GHz~2450GHz)

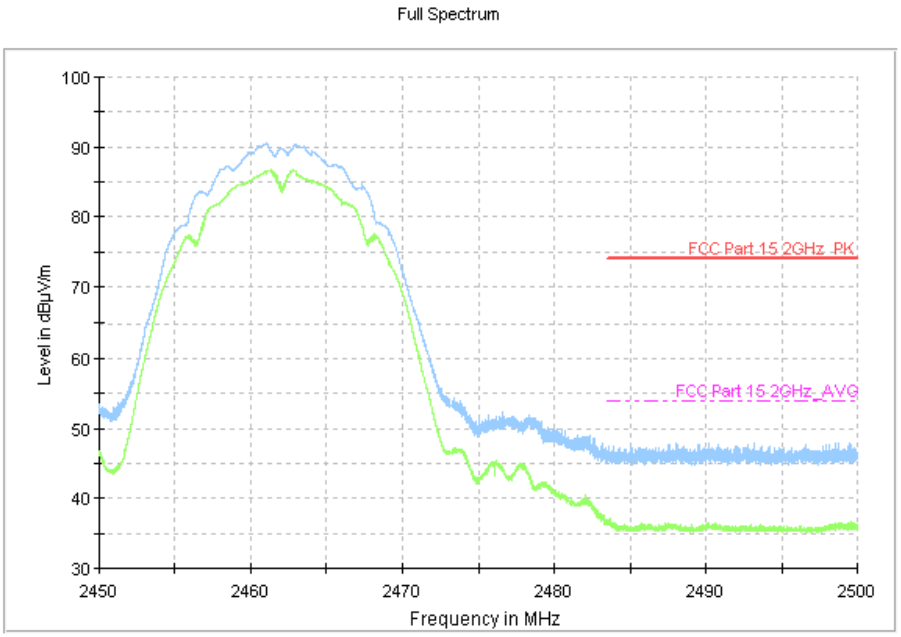

Fig.120 Radiated Emission Power (802.11b, Ch11, 2450GHz~2500GHz)

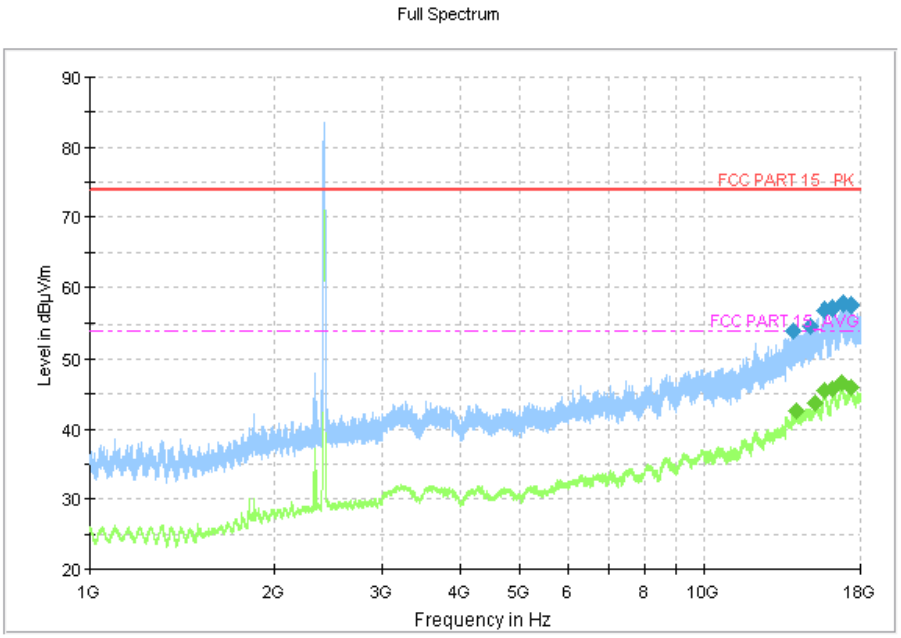

Fig.121 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-18 GHz)

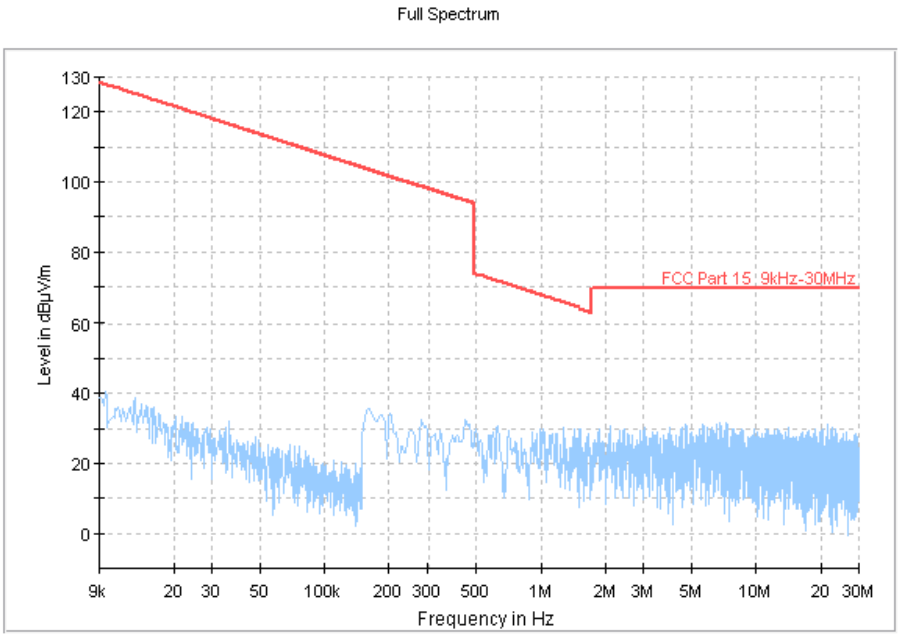

Fig.122 Radiated Spurious Emission (802.11g, Ch6, 9kHz-30MHz)

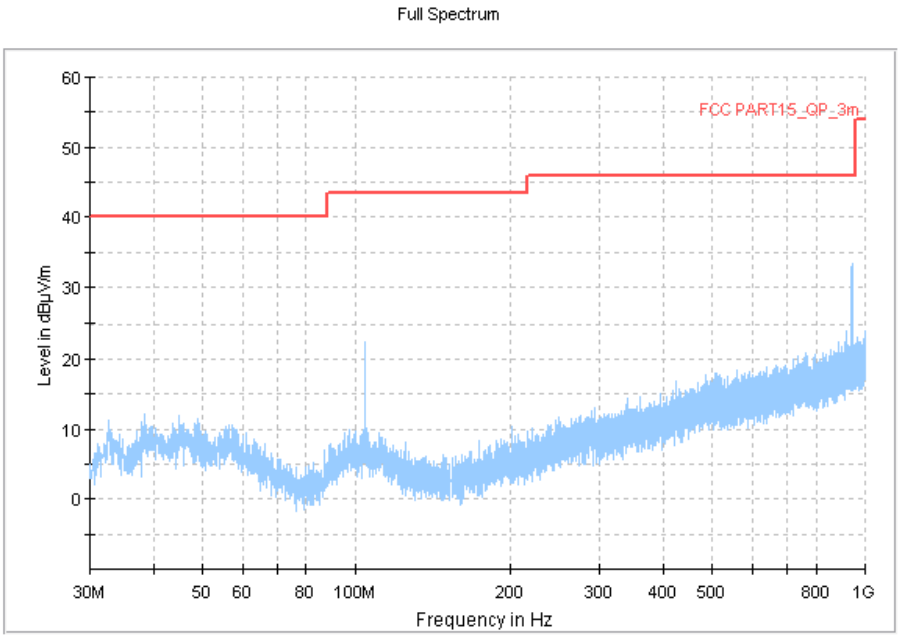

Fig.123 Radiated Spurious Emission (802.11g, Ch6, 30MHz-1 GHz)

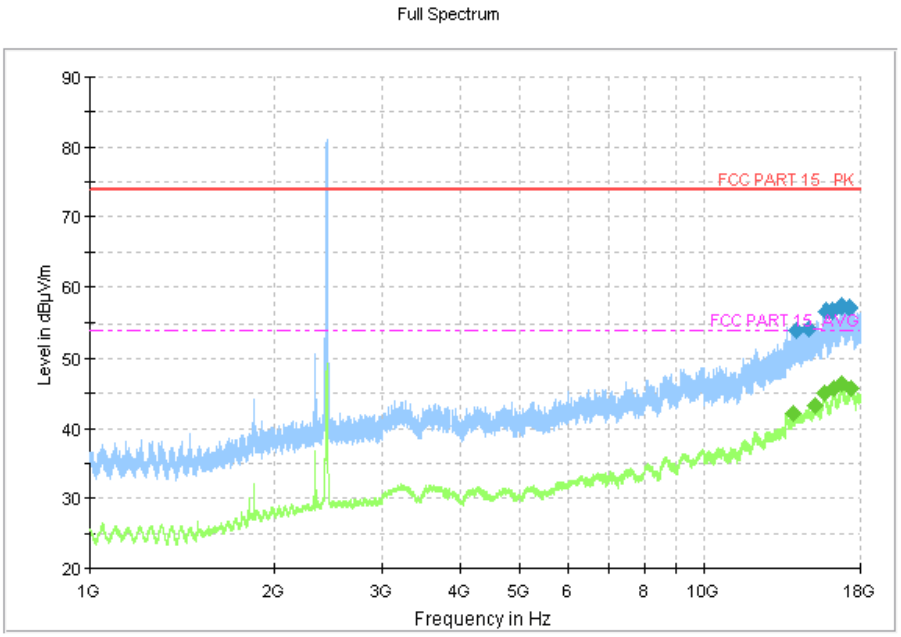

Fig.124 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-18 GHz)

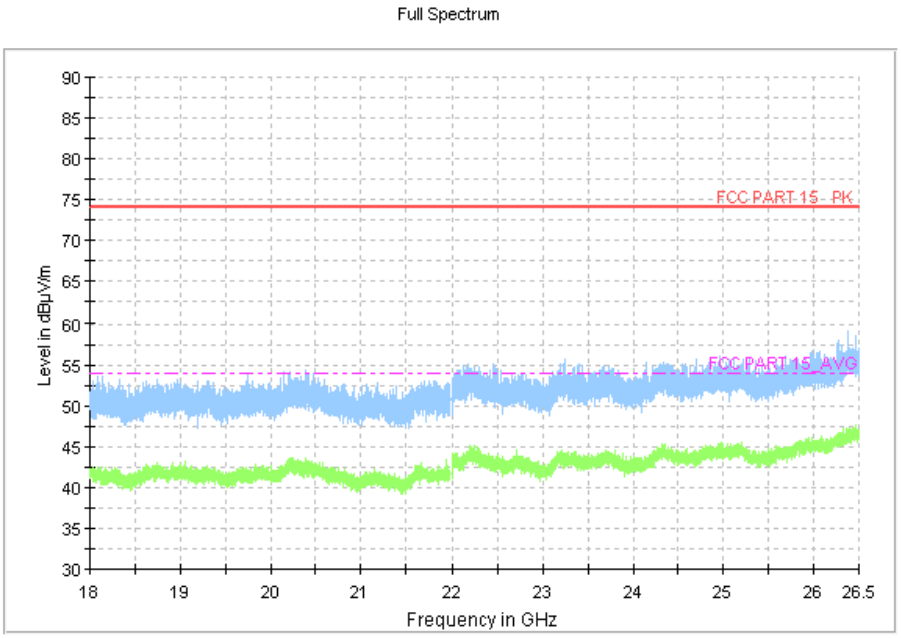

Fig.125 Radiated Spurious Emission (802.11g, Ch6, 18 GHz-26.5 GHz)

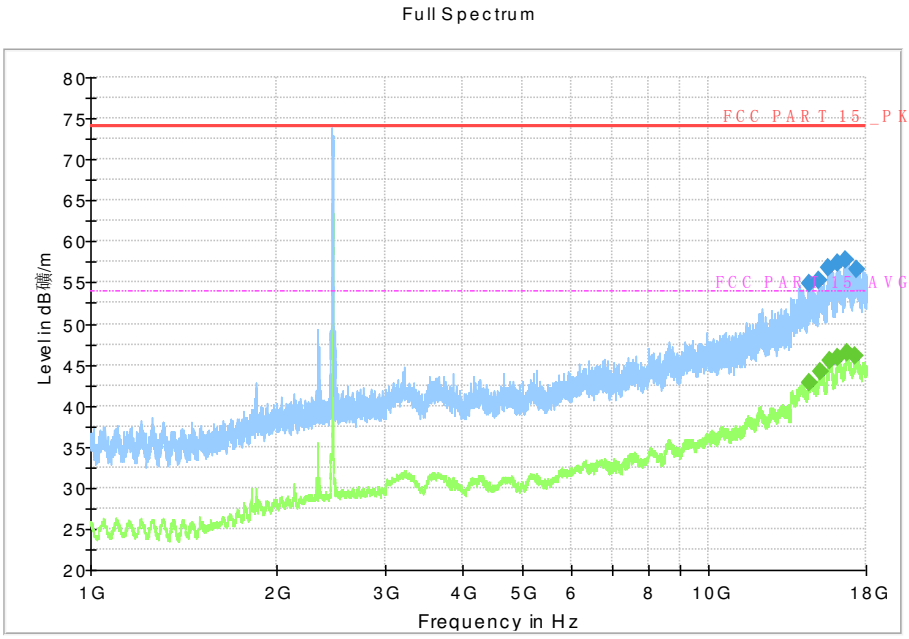

Fig.126 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-18 GHz)

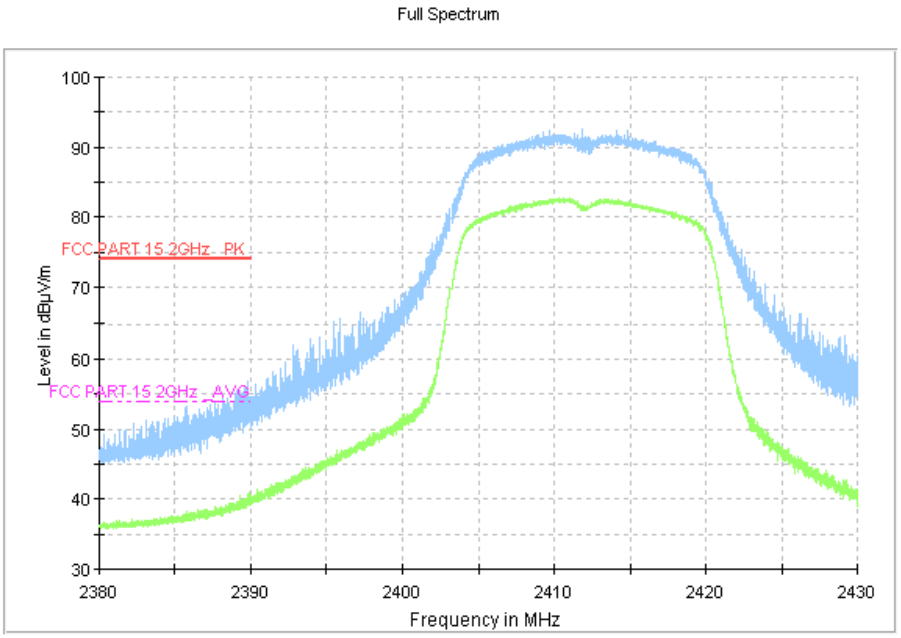

Fig.127 Radiated Emission Power (802.11g, Ch1, 2380GHz~2450GHz)

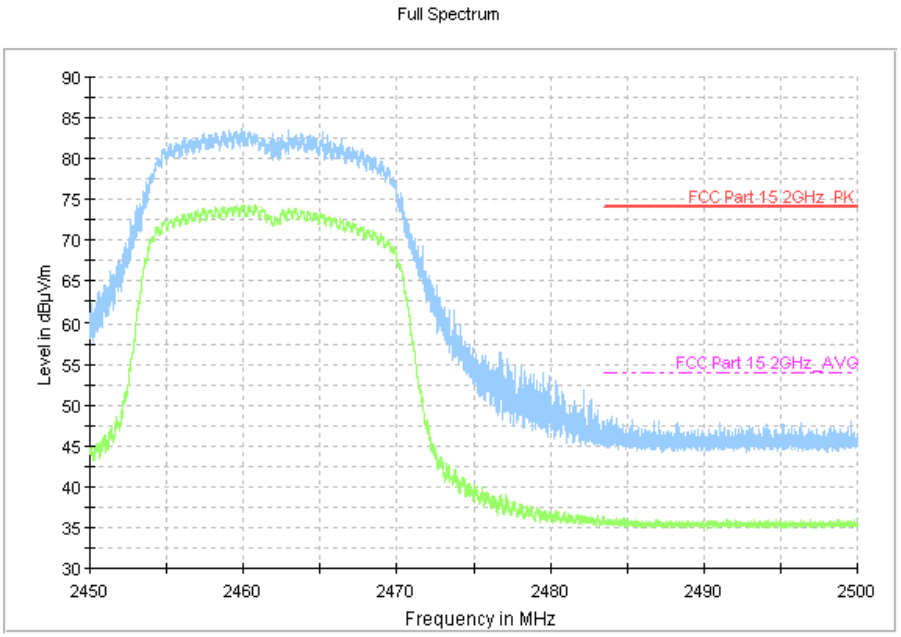

Fig.128 Radiated Emission Power (802.11g, Ch11, 2450GHz~2500GHz)

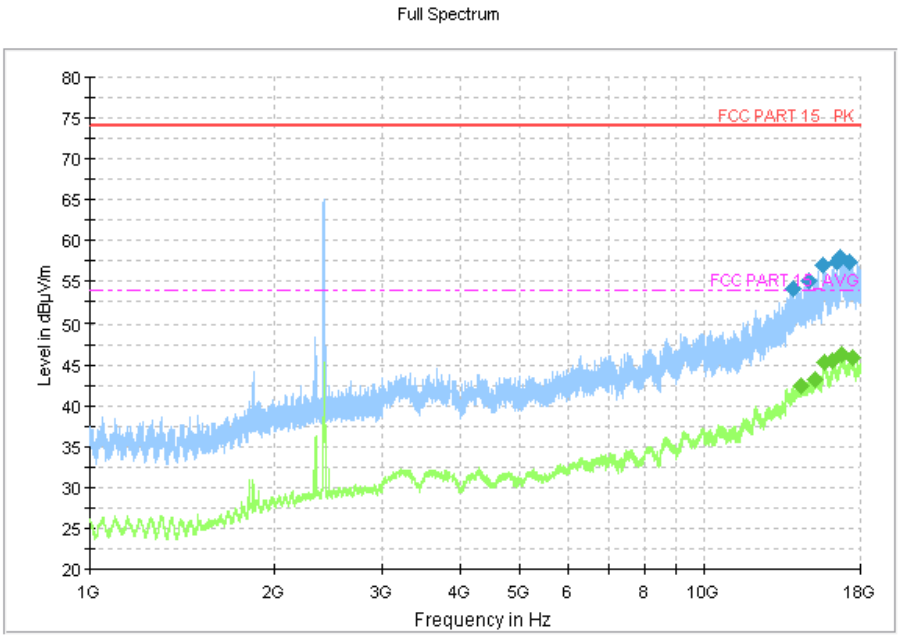

Fig.129 Radiated Spurious Emission (802.11n-20MHz, Ch1, 1 GHz-18 GHz)

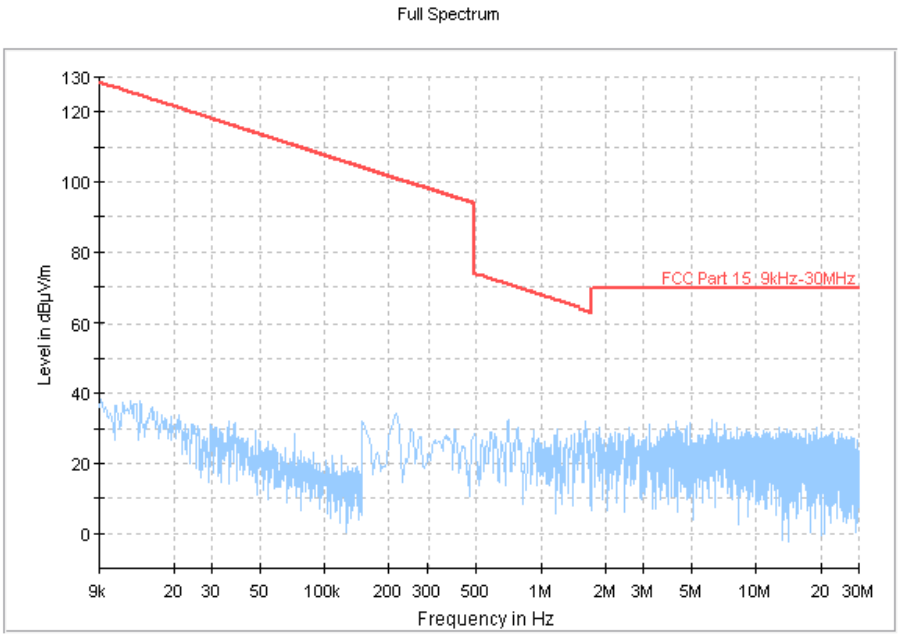

Fig.130 Radiated Spurious Emission (802.11n-20MHz, Ch6, 9kHz-30MHz)

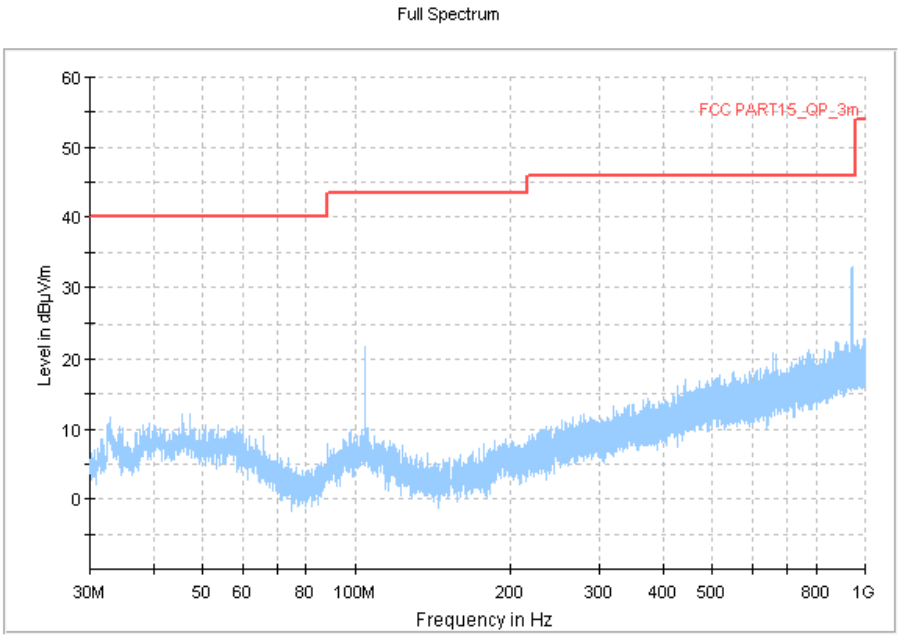

Fig.131 Radiated Spurious Emission (802.11n-20MHz, Ch6, 30MHz-1 GHz)

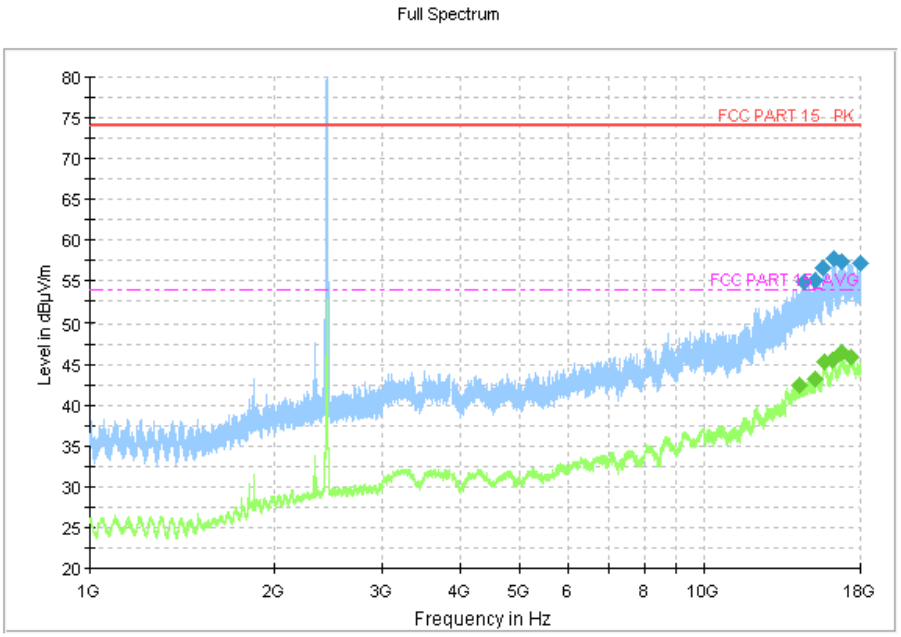

Fig.132 Radiated Spurious Emission (802.11n-20MHz, Ch6, 1 GHz-18 GHz)

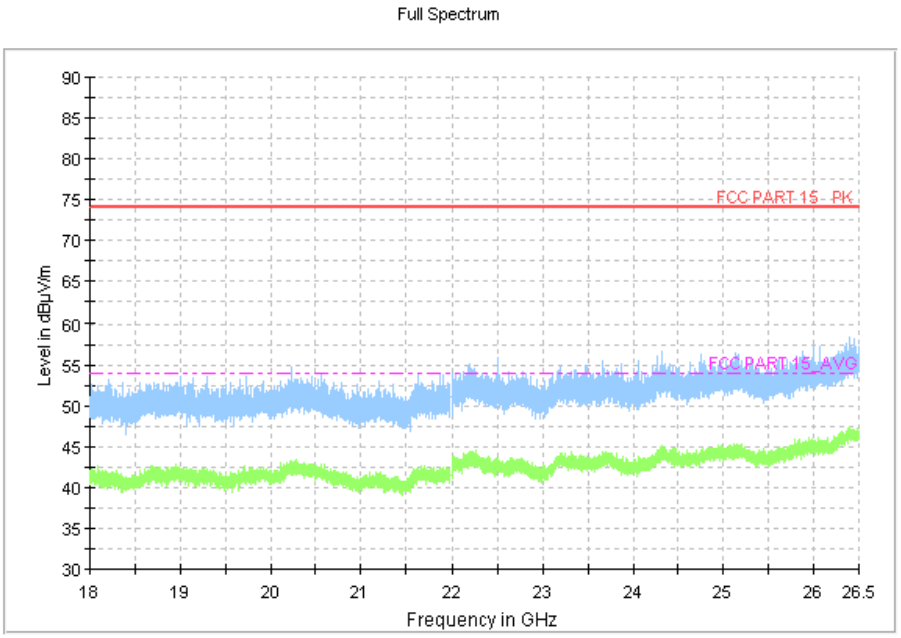

Fig.133 Radiated Spurious Emission (802.11n-20MHz, Ch6, 18 GHz-26.5 GHz)

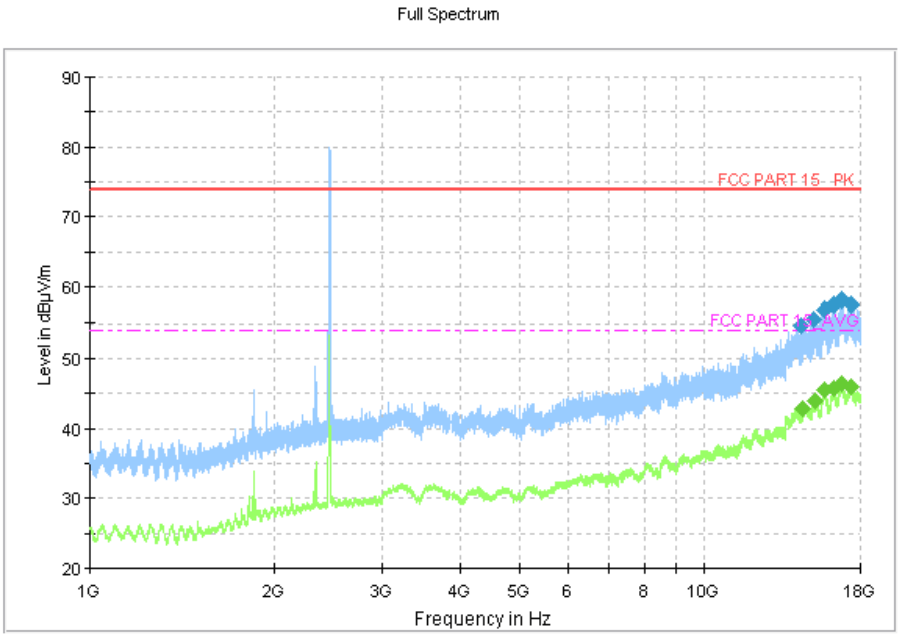

Fig.134 Radiated Spurious Emission (802.11n-20MHz, Ch11, 1 GHz-18 GHz)

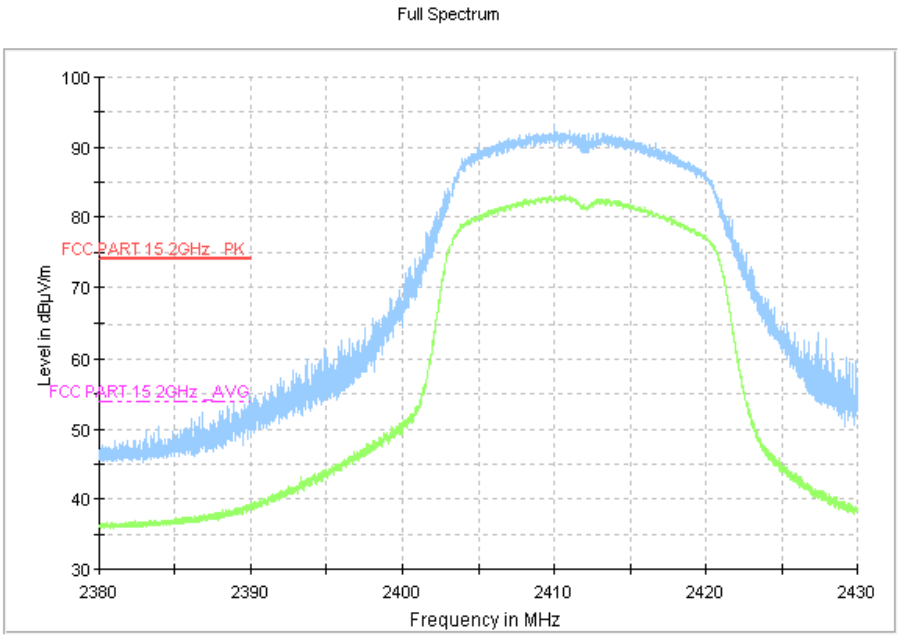

Fig.135 Radiated Emission Power (802.11n-20MHz, Ch1, 2380GHz~2450GHz)

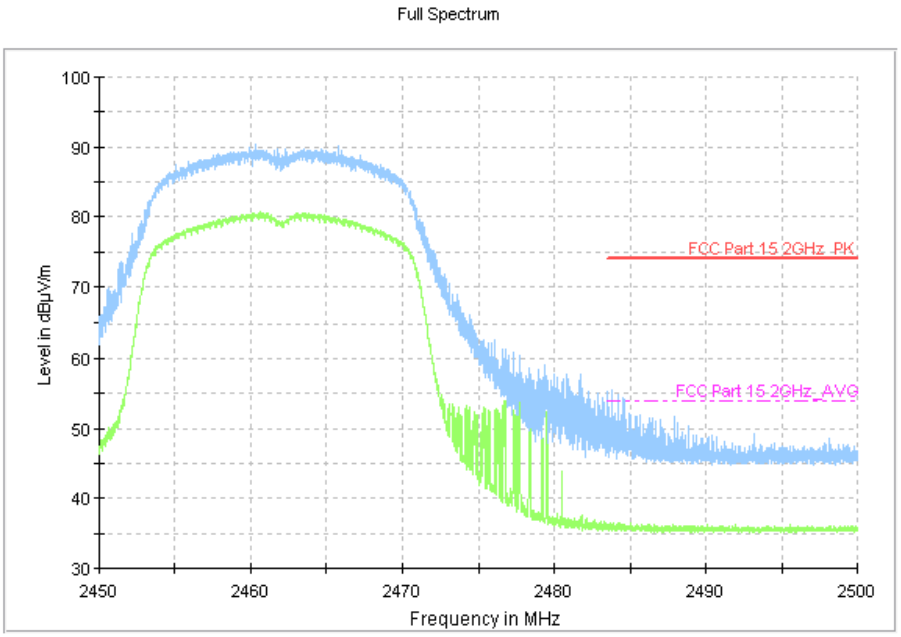

Fig.136 Radiated Emission Power (802.11n-20MHz, Ch11, 2450GHz~2500GHz)

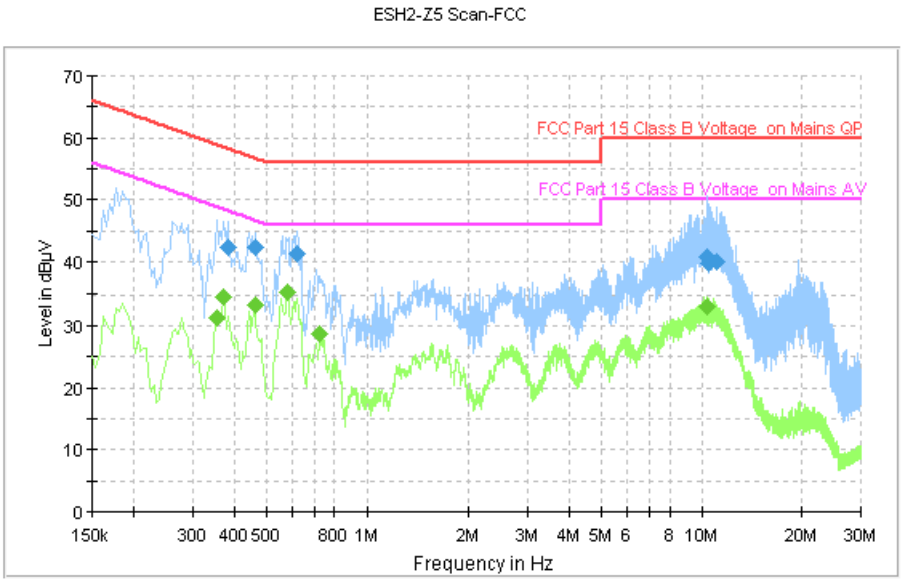

Fig.137 AC Powerline Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.382000	42.3	GND	N	9.6	15.9	58.2
0.462000	42.3	GND	N	9.7	14.4	56.7
0.618000	41.4	GND	N	9.6	14.6	56.0
10.394000	40.7	GND	N	9.9	19.3	60.0
10.534000	39.9	GND	N	9.9	20.1	60.0
11.114000	40.1	GND	N	9.9	19.9	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.354000	31.3	GND	N	9.6	17.5	48.9
0.370000	34.5	GND	N	9.6	14.0	48.5
0.462000	33.3	GND	N	9.7	13.3	46.7
0.578000	35.3	GND	N	9.6	10.7	46.0
0.722000	28.6	GND	N	9.5	17.4	46.0
10.394000	33.0	GND	N	9.9	17.0	50.0

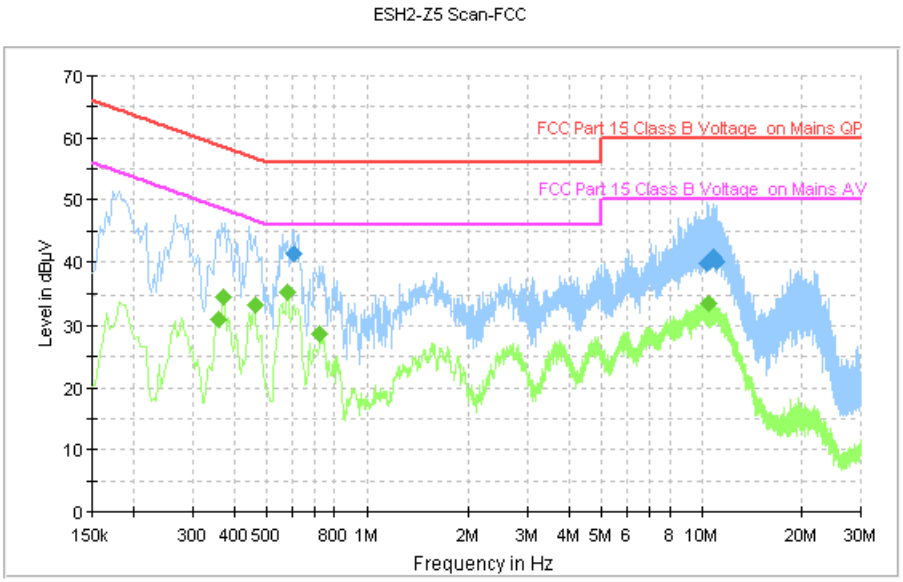

Fig.138 AC Power line Conducted Emission (Idle, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.602000	41.3	GND	N	9.6	14.7	56.0
10.318000	39.7	GND	N	9.9	20.3	60.0
10.486000	40.1	GND	N	9.9	19.9	60.0
10.838000	40.7	GND	N	9.9	19.3	60.0
10.906000	40.3	GND	N	9.9	19.7	60.0
11.090000	40.1	GND	N	9.9	19.9	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.358000	31.0	GND	N	9.6	17.8	48.8
0.370000	34.6	GND	N	9.6	13.9	48.5
0.462000	33.4	GND	N	9.7	13.3	46.7
0.578000	35.3	GND	N	9.6	10.7	46.0
0.722000	28.6	GND	N	9.5	17.4	46.0
10.466000	33.7	GND	N	9.9	16.3	50.0

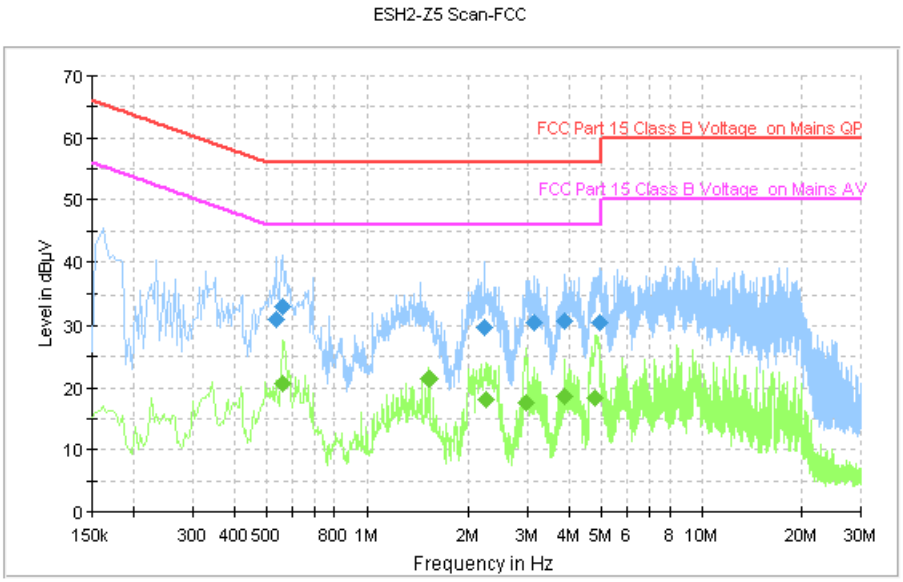

Fig.139 AC Powerline Conducted Emission (Traffic, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.534000	31.0	GND	N	9.7	25.0	56.0
0.562000	33.2	GND	N	9.7	22.8	56.0
2.222000	29.7	GND	N	9.6	26.3	56.0
3.138000	30.5	GND	N	9.6	25.5	56.0
3.862000	30.8	GND	N	9.6	25.2	56.0
4.946000	30.5	GND	N	9.6	25.5	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.562000	20.6	GND	N	9.7	25.4	46.0
1.538000	21.6	GND	N	9.6	24.4	46.0
2.262000	18.0	GND	N	9.6	28.0	46.0
2.970000	17.5	GND	N	9.6	28.5	46.0
3.882000	18.7	GND	N	9.6	27.3	46.0
4.806000	18.4	GND	N	9.6	27.6	46.0

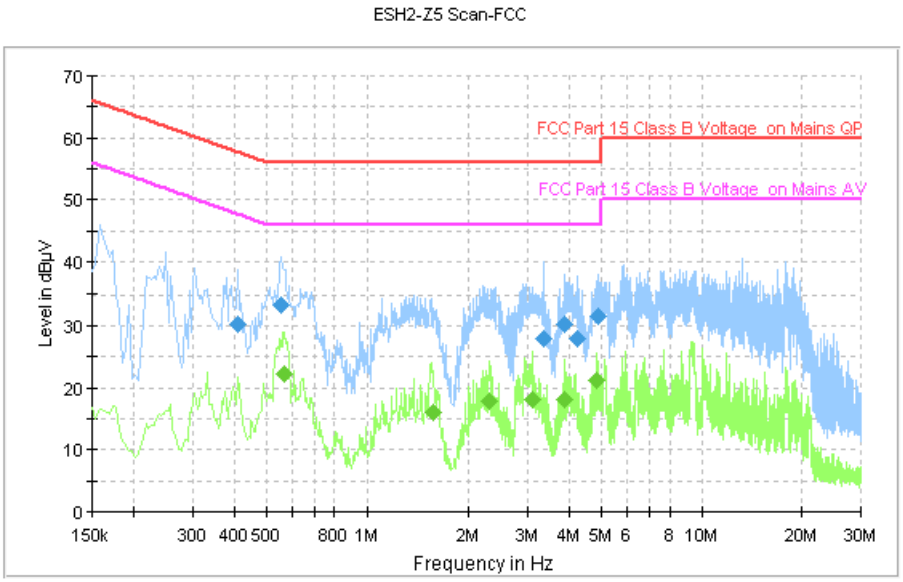

Fig.140 AC Power line Conducted Emission (Idle, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.410000	30.2	GND	N	9.7	27.4	57.6
0.554000	33.4	GND	N	9.7	22.6	56.0
3.354000	27.9	GND	N	9.6	28.1	56.0
3.890000	30.1	GND	N	9.6	25.9	56.0
4.250000	28.0	GND	N	9.6	28.0	56.0
4.902000	31.6	GND	N	9.6	24.4	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.566000	22.2	GND	N	9.7	23.8	46.0
1.558000	16.1	GND	N	9.6	29.9	46.0
2.302000	17.7	GND	N	9.6	28.3	46.0
3.106000	18.1	GND	N	9.6	27.9	46.0
3.894000	18.2	GND	N	9.6	27.8	46.0
4.854000	21.1	GND	N	9.6	24.9	46.0

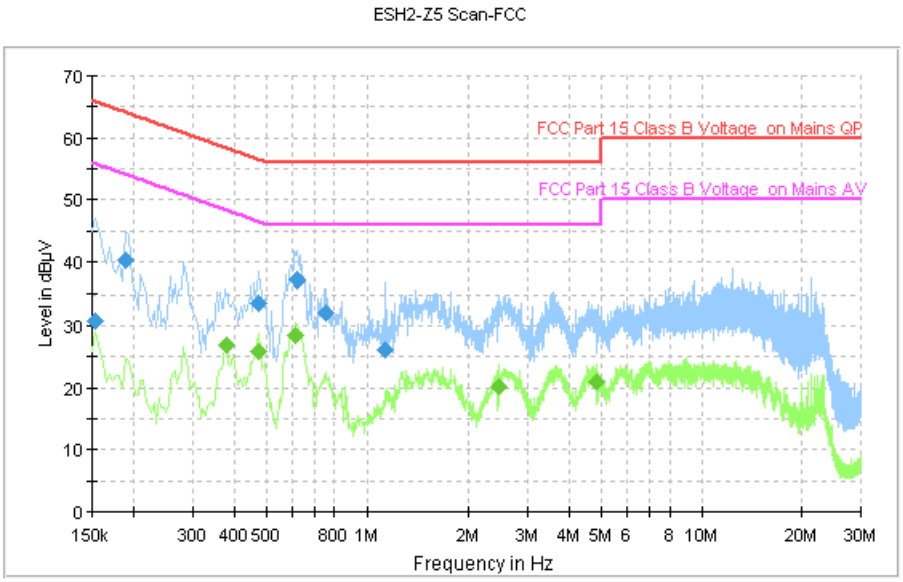

Fig.141 AC Powerline Conducted Emission (Traffic, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154000	30.9	GND	N	9.6	34.9	65.8
0.190000	40.4	GND	N	9.6	23.7	64.0
0.474000	33.5	GND	N	9.7	22.9	56.4
0.618000	37.3	GND	N	9.6	18.8	56.0
0.750000	31.9	GND	N	9.6	24.1	56.0
1.134000	26.1	GND	N	9.6	29.9	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.378000	27.0	GND	N	9.6	21.4	48.3
0.474000	25.8	GND	N	9.7	20.6	46.4
0.614000	28.5	GND	N	9.6	17.5	46.0
2.454000	20.0	GND	N	9.6	26.0	46.0
4.818000	20.9	GND	N	9.6	25.1	46.0
4.862000	20.9	GND	N	9.6	25.1	46.0

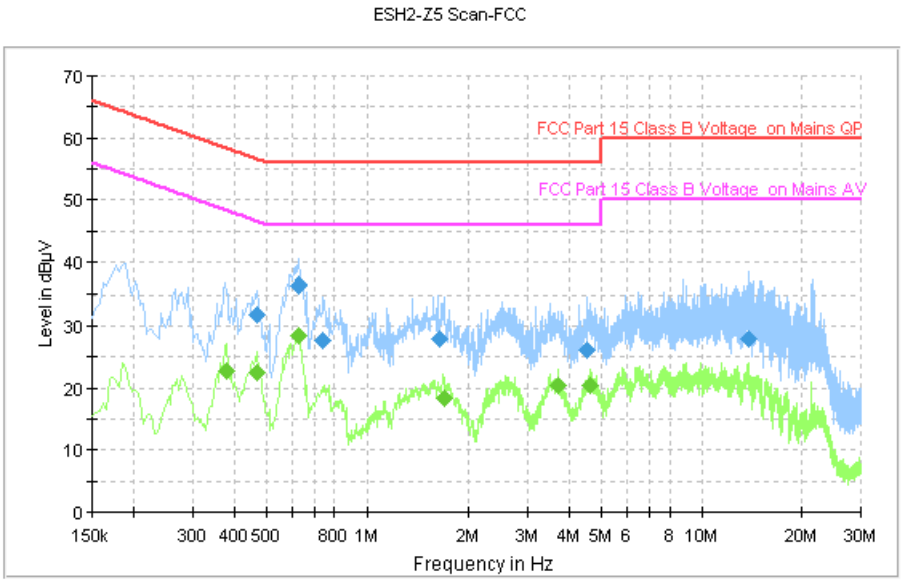

Fig.142 AC Power line Conducted Emission (Idle, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.470000	31.8	GND	N	9.7	24.7	56.5
0.622000	36.5	GND	N	9.6	19.5	56.0
0.738000	27.6	GND	N	9.5	28.4	56.0
1.638000	27.9	GND	N	9.5	28.1	56.0
4.510000	26.2	GND	N	9.6	29.8	56.0
13.810000	28.0	GND	N	9.9	32.0	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.378000	22.7	GND	N	9.6	25.7	48.3
0.470000	22.3	GND	N	9.7	24.2	46.5
0.626000	28.4	GND	N	9.6	17.6	46.0
1.694000	18.3	GND	N	9.5	27.7	46.0
3.706000	20.4	GND	N	9.6	25.6	46.0
4.614000	20.4	GND	N	9.6	25.6	46.0

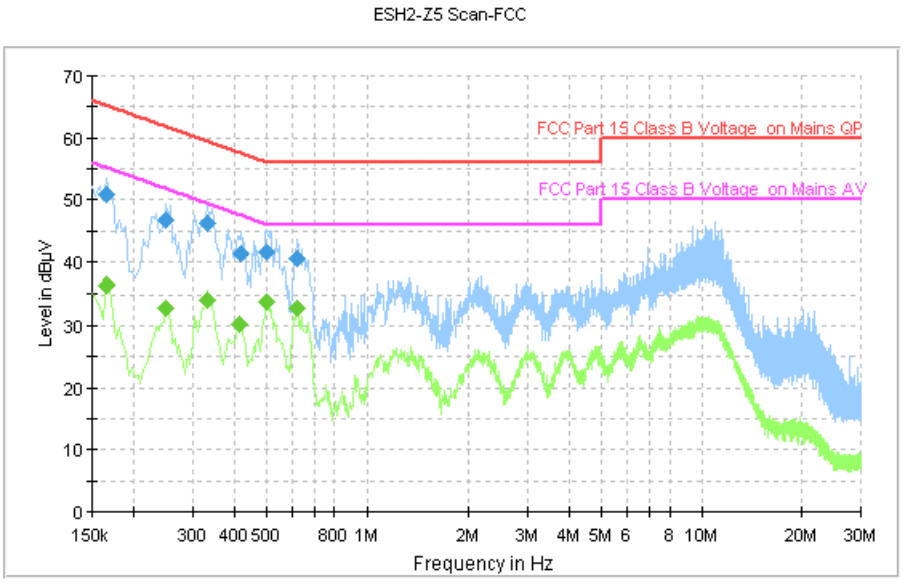

Fig.143 AC Powerline Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	50.9	GND	N	9.6	14.2	65.2
0.250000	46.6	GND	N	9.6	15.1	61.8
0.334000	46.1	GND	N	9.6	13.2	59.4
0.418000	41.2	GND	N	9.7	16.2	57.5
0.502000	41.6	GND	N	9.7	14.4	56.0
0.618000	40.7	GND	N	9.6	15.3	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	36.5	GND	N	9.6	18.6	55.2
0.250000	32.8	GND	N	9.6	18.9	51.8
0.334000	34.2	GND	N	9.6	15.2	49.4
0.414000	30.2	GND	N	9.7	17.4	47.6
0.502000	33.8	GND	N	9.7	12.2	46.0
0.618000	32.7	GND	N	9.6	13.3	46.0

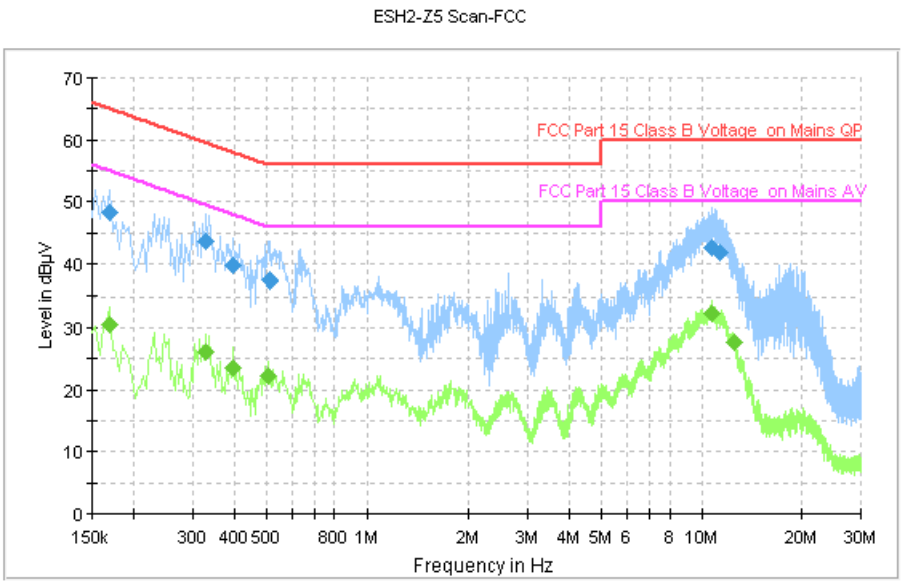

Fig.144 AC Power line Conducted Emission (Idle, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	48.2	GND	N	9.6	16.8	65.0
0.330000	43.7	GND	N	9.6	15.8	59.5
0.398000	39.7	GND	N	9.6	18.2	57.9
0.514000	37.4	GND	N	9.7	18.6	56.0
10.726000	42.6	GND	N	9.9	17.4	60.0
11.362000	41.8	GND	N	9.9	18.2	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	30.4	GND	N	9.6	24.5	55.0
0.330000	26.0	GND	N	9.6	23.5	49.5
0.398000	23.6	GND	N	9.6	24.3	47.9
0.506000	22.3	GND	N	9.7	23.7	46.0
10.742000	32.3	GND	N	9.9	17.7	50.0
12.478000	27.7	GND	N	9.9	22.3	50.0

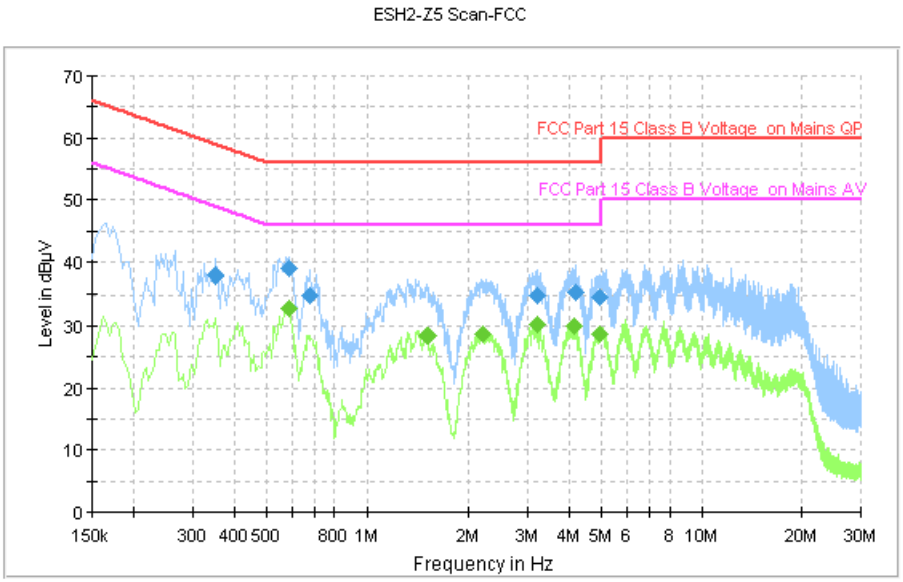

Fig.145 AC Powerline Conducted Emission (Traffic, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.350000	37.9	GND	N	9.6	21.1	59.0
0.582000	39.0	GND	N	9.6	17.0	56.0
0.678000	34.8	GND	N	9.5	21.2	56.0
3.214000	34.8	GND	N	9.6	21.2	56.0
4.166000	35.5	GND	N	9.6	20.5	56.0
4.950000	34.5	GND	N	9.6	21.5	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.582000	32.9	GND	N	9.6	13.1	46.0
1.506000	28.5	GND	N	9.6	17.5	46.0
2.194000	28.8	GND	N	9.6	17.2	46.0
3.206000	30.3	GND	N	9.6	15.7	46.0
4.130000	29.9	GND	N	9.6	16.1	46.0
4.930000	28.7	GND	N	9.6	17.3	46.0

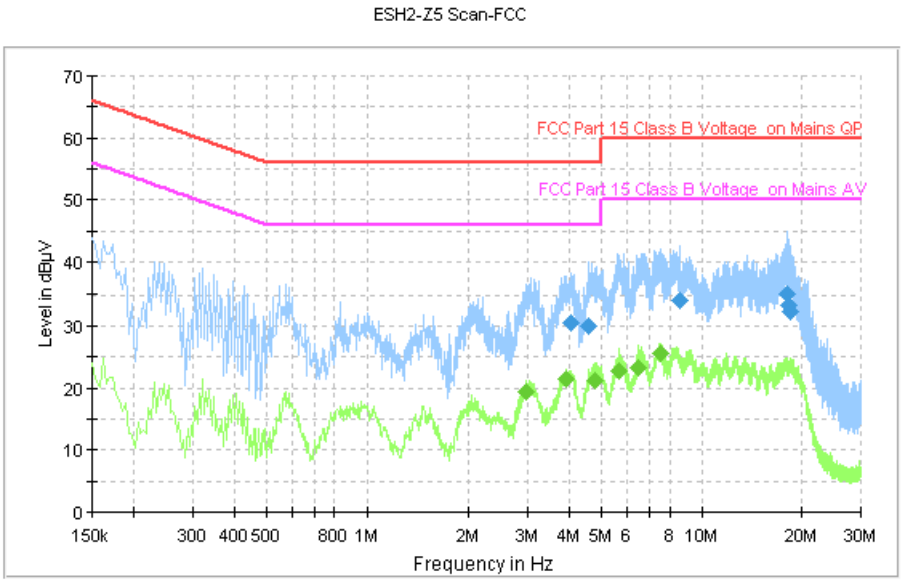

Fig.146 AC Power line Conducted Emission (Idle, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
4.074000	30.4	GND	N	9.6	25.6	56.0
4.570000	29.9	GND	N	9.6	26.1	56.0
8.550000	34.0	GND	N	9.8	26.0	60.0
18.014000	35.2	GND	N	9.9	24.8	60.0
18.226000	33.3	GND	N	9.9	26.7	60.0
18.394000	32.4	GND	N	9.9	27.6	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.974000	19.5	GND	N	9.6	26.5	46.0
3.926000	21.6	GND	N	9.6	24.4	46.0
4.758000	21.3	GND	N	9.6	24.7	46.0
5.638000	22.8	GND	N	9.7	27.2	50.0
6.458000	23.3	GND	N	9.7	26.7	50.0
7.502000	25.7	GND	N	9.8	24.3	50.0

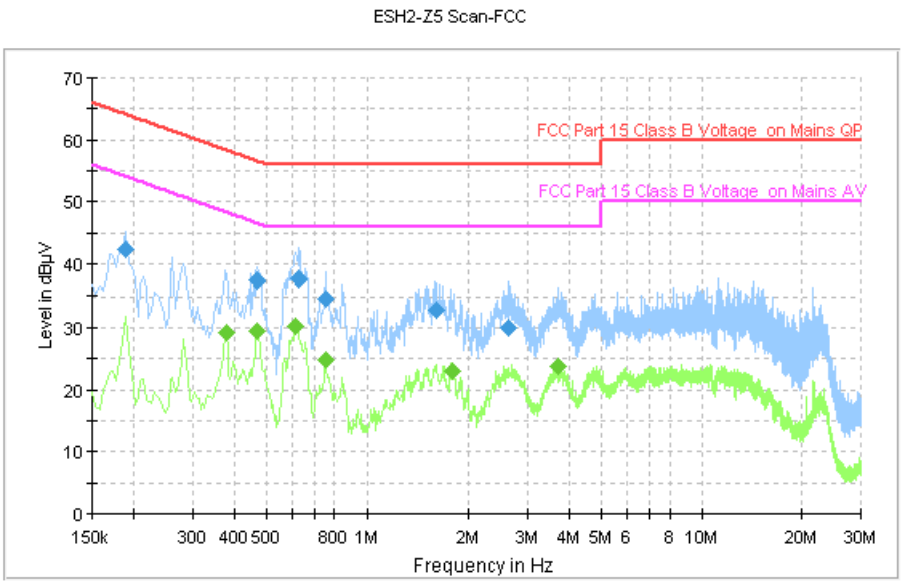

Fig.147 AC Powerline Conducted Emission (Traffic, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	42.3	GND	N	9.6	21.7	64.0
0.470000	37.4	GND	N	9.7	19.1	56.5
0.626000	37.7	GND	N	9.6	18.3	56.0
0.754000	34.7	GND	N	9.6	21.3	56.0
1.598000	32.8	GND	N	9.6	23.2	56.0
2.646000	29.9	GND	N	9.6	26.1	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.378000	29.2	GND	N	9.6	19.1	48.3
0.470000	29.5	GND	N	9.7	17.0	46.5
0.610000	30.2	GND	N	9.6	15.8	46.0
0.750000	24.8	GND	N	9.6	21.2	46.0
1.786000	23.0	GND	N	9.6	23.0	46.0
3.706000	23.8	GND	N	9.6	22.2	46.0

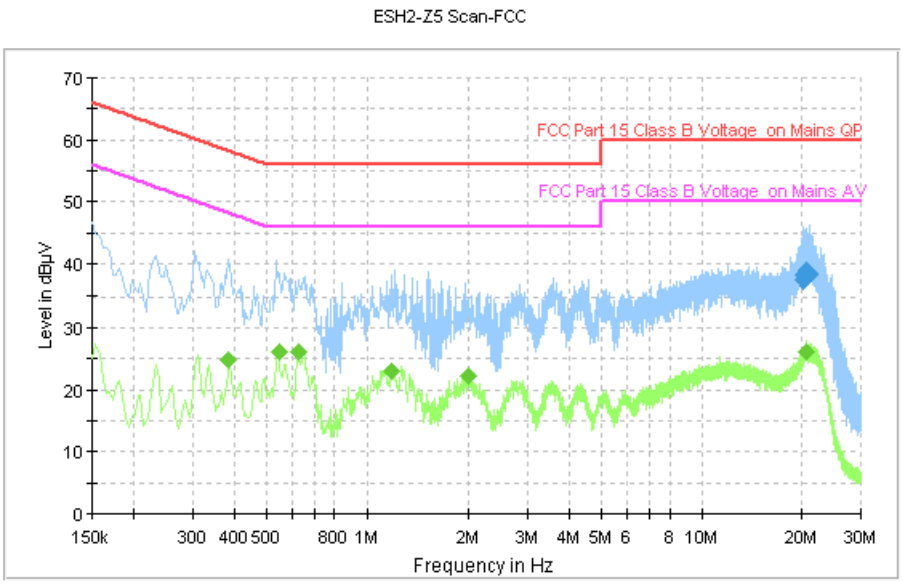

Fig.148 AC Power line Conducted Emission (Idle, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
20.150000	37.5	GND	N	10.0	22.5	60.0
20.206000	38.3	GND	N	10.0	21.7	60.0
20.502000	39.1	GND	N	10.0	20.9	60.0
20.666000	39.0	GND	N	10.0	21.0	60.0
20.990000	38.6	GND	N	10.0	21.4	60.0
21.078000	38.6	GND	N	10.0	21.4	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.386000	24.7	GND	N	9.6	23.4	48.1
0.546000	26.1	GND	N	9.7	19.9	46.0
0.622000	26.1	GND	N	9.6	19.9	46.0
1.186000	22.9	GND	N	9.5	23.1	46.0
1.994000	22.2	GND	N	9.6	23.8	46.0
20.654000	26.1	GND	N	10.0	23.9	50.0

ANNEX C: Persons involved in this testing

Test Name	Tester
Maximum Peak Output Power	An Ran, Tang Weisheng
Peak Power Spectral Density	An Ran, Tang Weisheng
Occupied 6dB Bandwidth	An Ran, Tang Weisheng
Band Edges Compliance	An Ran, Tang Weisheng
Transmitter Spurious Emission - Conducted	An Ran, Tang Weisheng
Transmitter Spurious Emission - Radiated	An Ran, Tang Weisheng
AC Powerline Conducted Emission	An Ran, Tang Weisheng

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