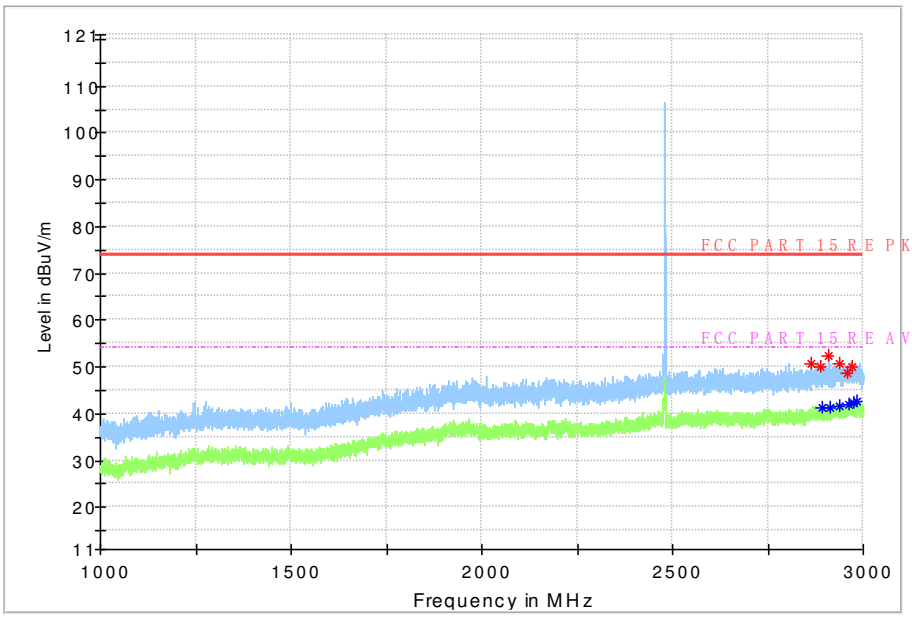

Fig. 57 Radiated Spurious Emission (GFSK, Ch78, 1 GHz ~3 GHz)

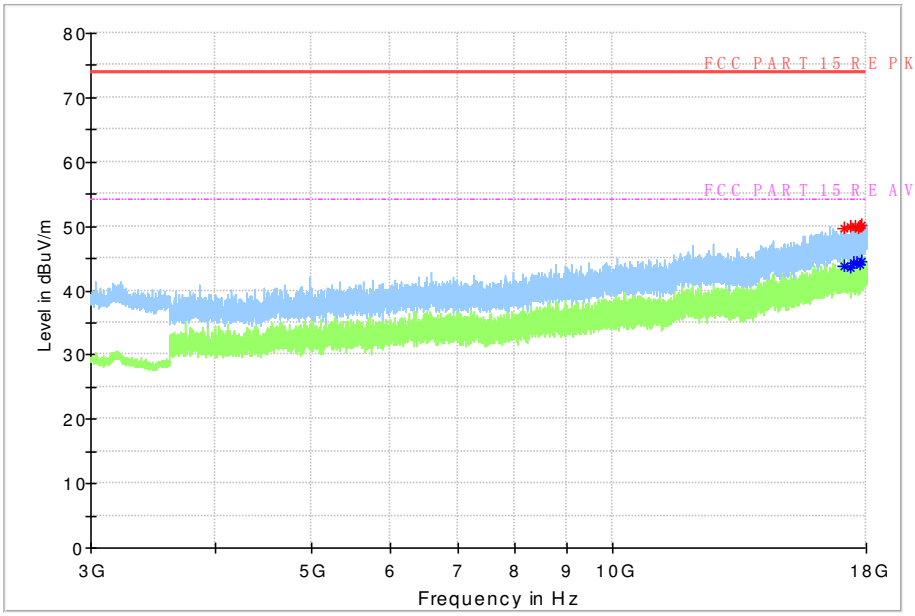

Fig. 58 Radiated Spurious Emission (GFSK, Ch78, 3 GHz ~18 GHz)

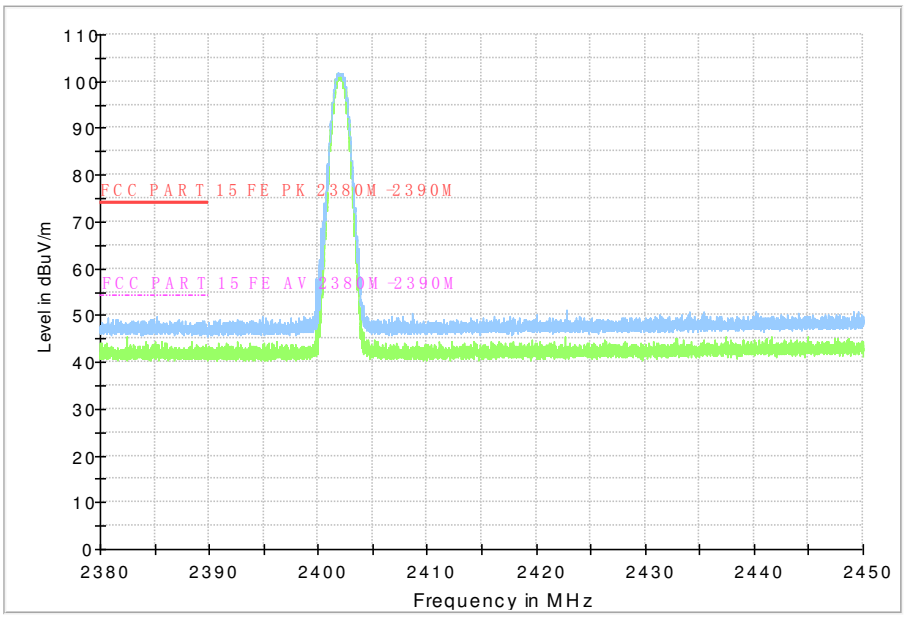

Fig. 59 Radiated Emission Power (GFSK, Ch0, 2380GHz~2450GHz)

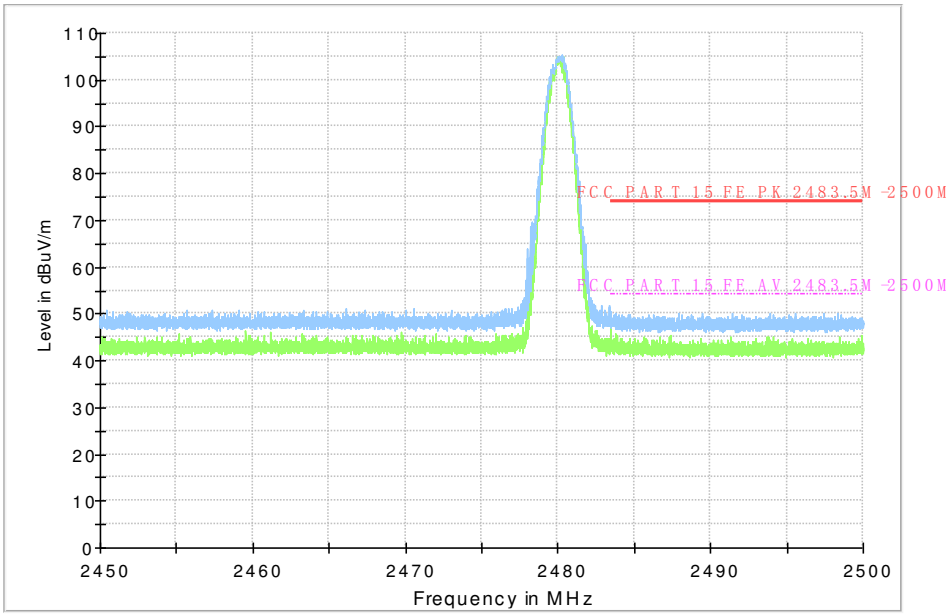

Fig. 60 Radiated Emission Power (GFSK, Ch78, 2450GHz~2500GHz)

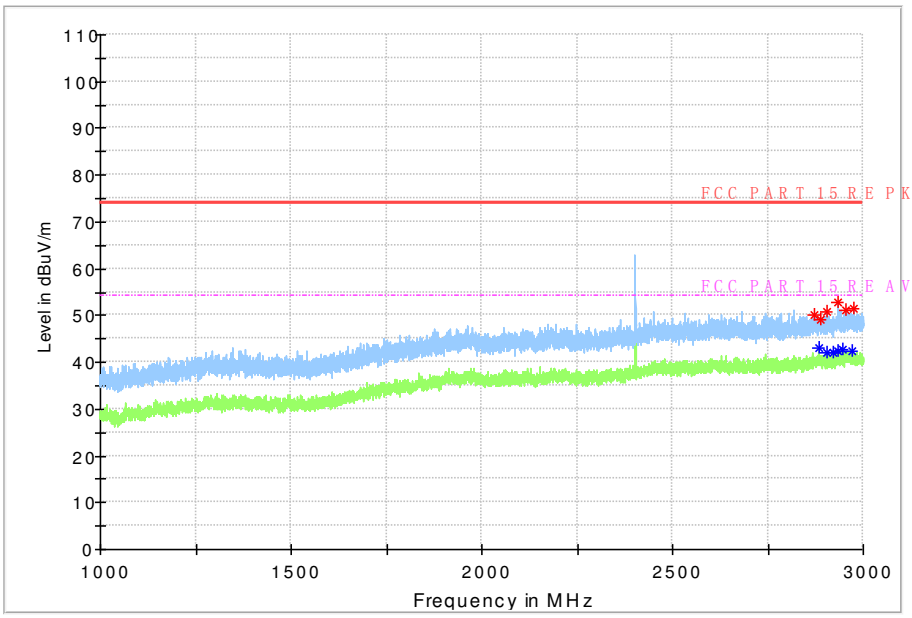

Fig. 61 Radiated Spurious Emission (π /4 DQPSK, Ch0, 1 GHz ~3 GHz)

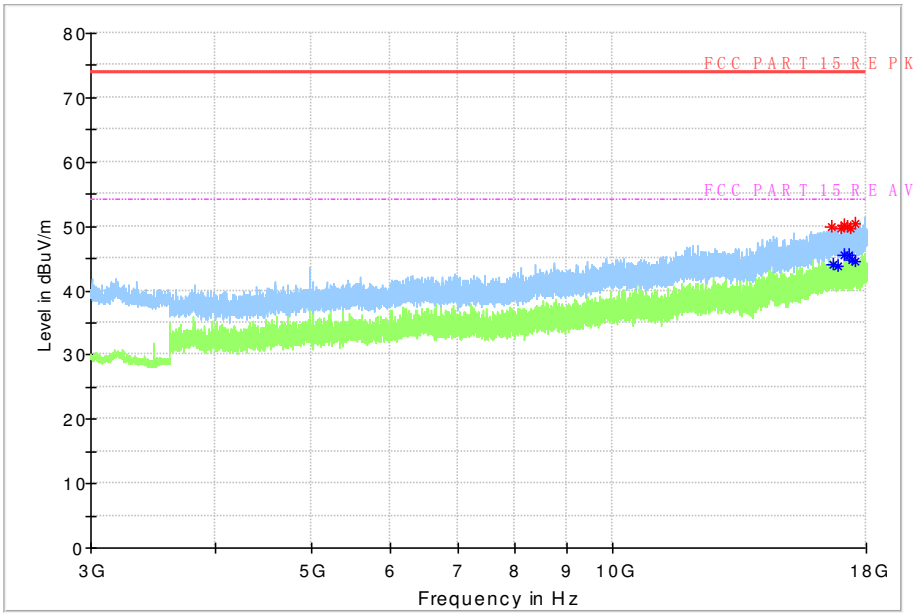

Fig. 62 Radiated Spurious Emission (π /4 DQPSK, Ch0, 3 GHz ~18 GHz)

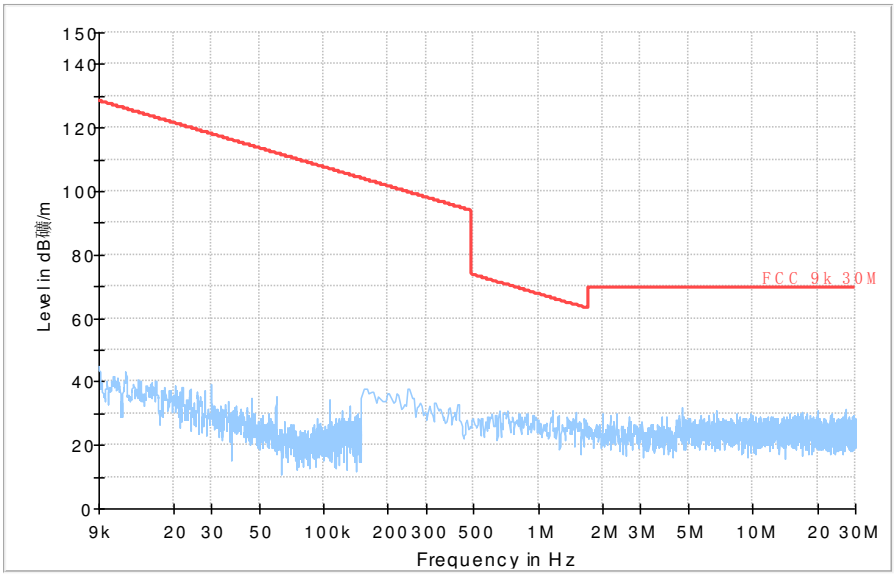

Fig. 63 Radiated Spurious Emission (π /4 DQPSK, Ch39, 9 kHz ~30 MHz)

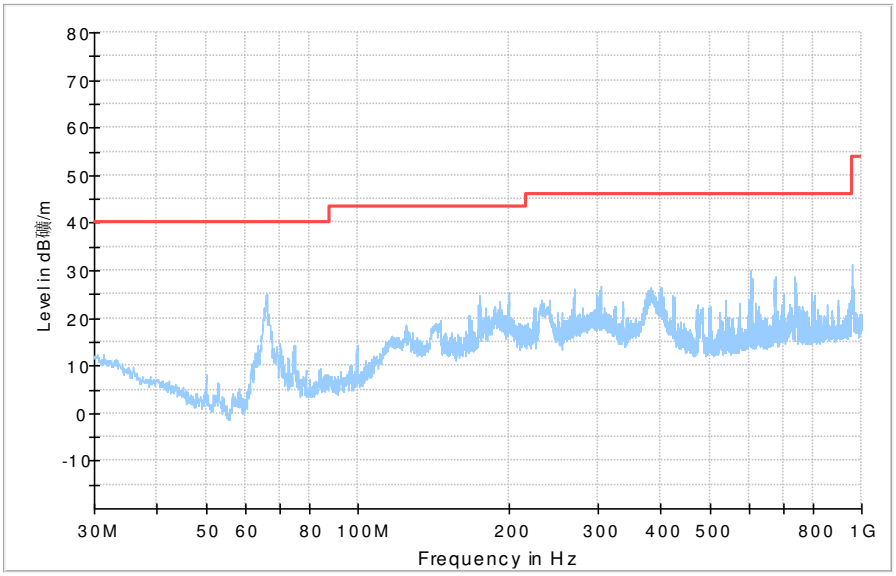

Fig. 64 Radiated Spurious Emission (π /4 DQPSK, Ch39, 30 MHz ~1 GHz)

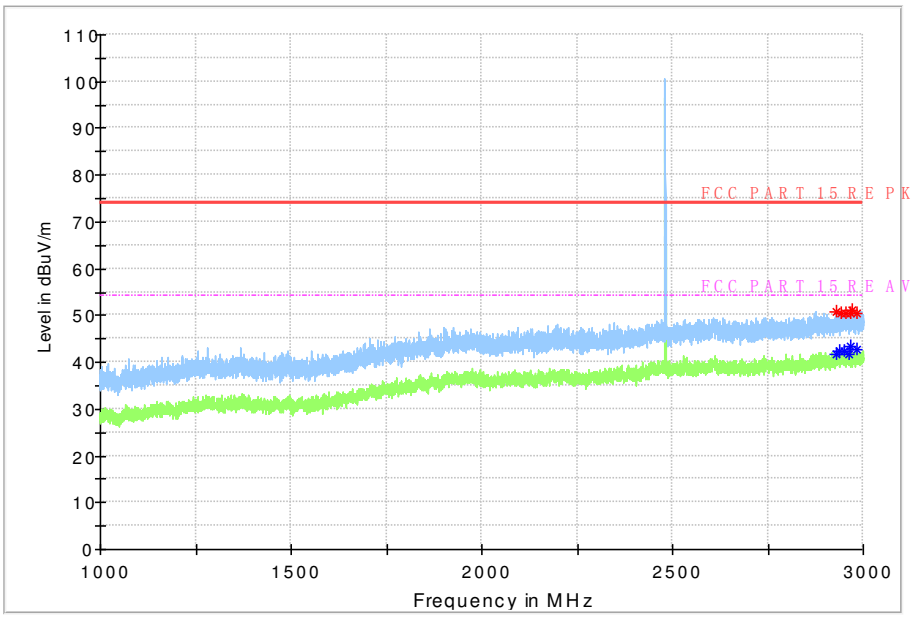

Fig. 65 Radiated Spurious Emission (π /4 DQPSK, Ch39, 1 GHz ~3 GHz)

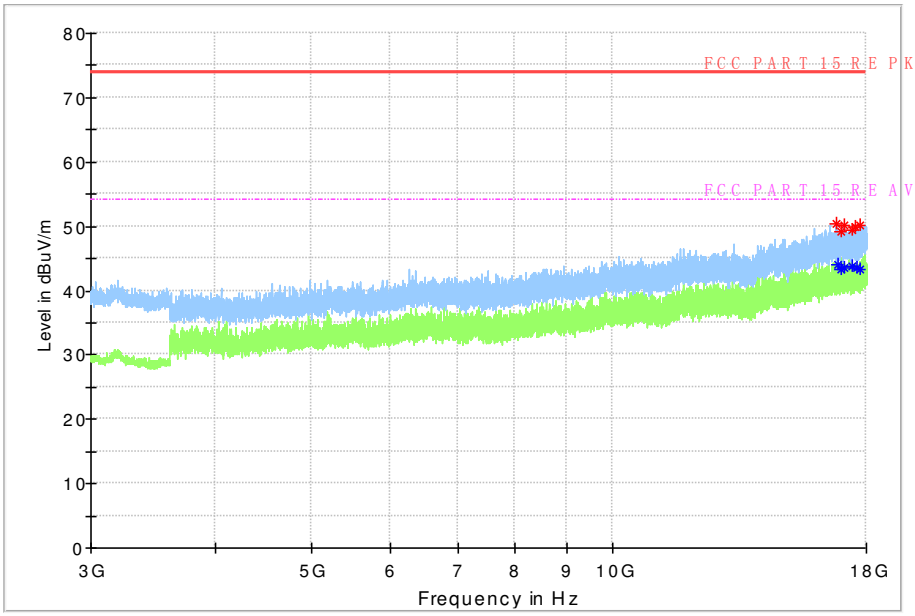

Fig. 66 Radiated Spurious Emission (π /4 DQPSK, Ch39, 3 GHz ~18 GHz)

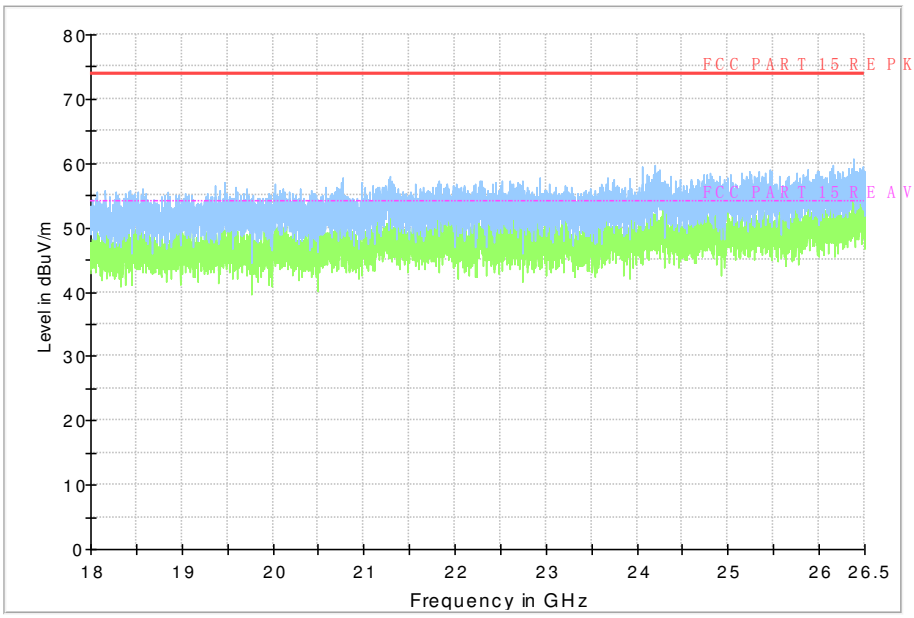

Fig. 67 Radiated Spurious Emission (π /4 DQPSK, Ch39, 18 GHz ~26.5 GHz)

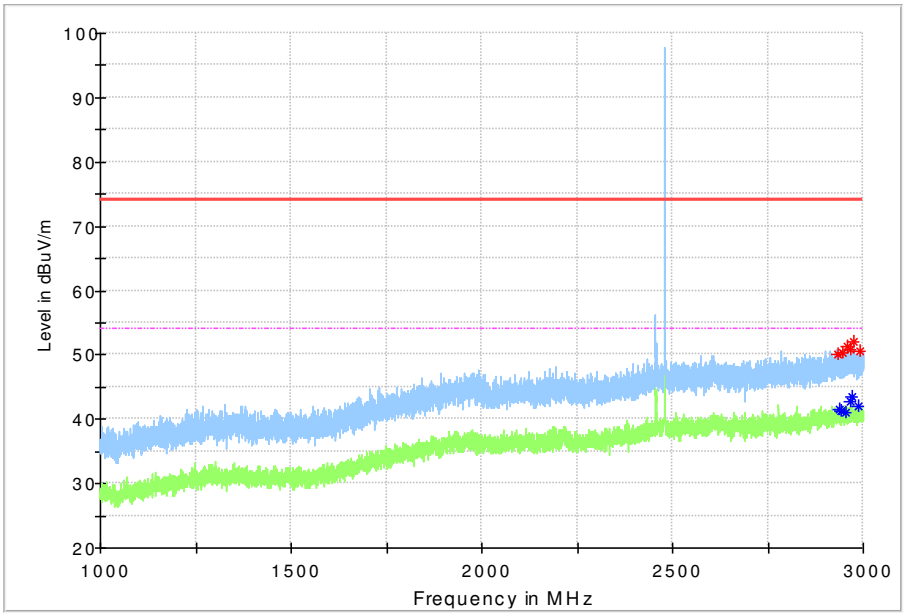

Fig. 68 Radiated Spurious Emission (π /4 DQPSK, Ch78, 1 GHz ~3 GHz)

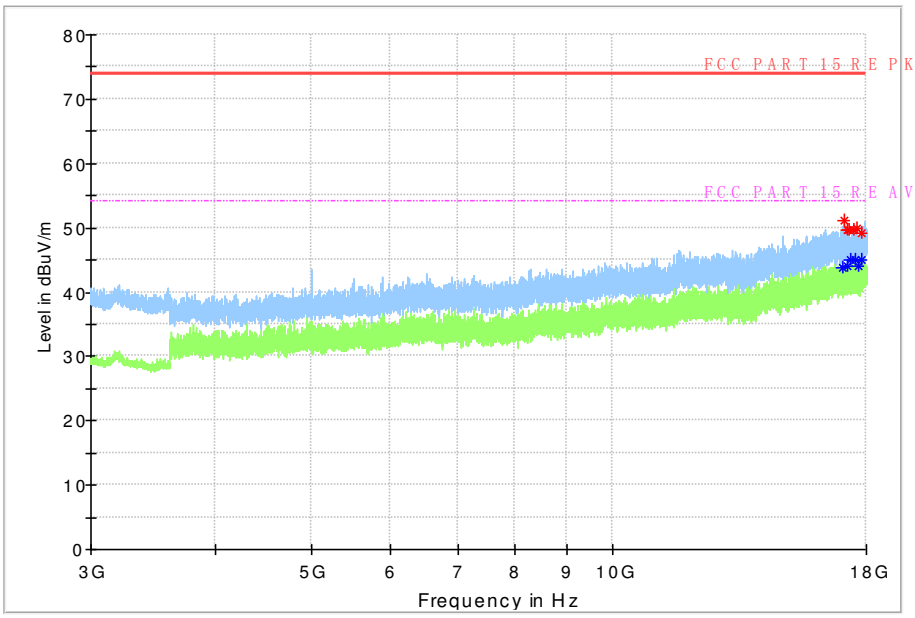

Fig. 69 Radiated Spurious Emission (π /4 DQPSK, Ch78, 3 GHz ~18 GHz)

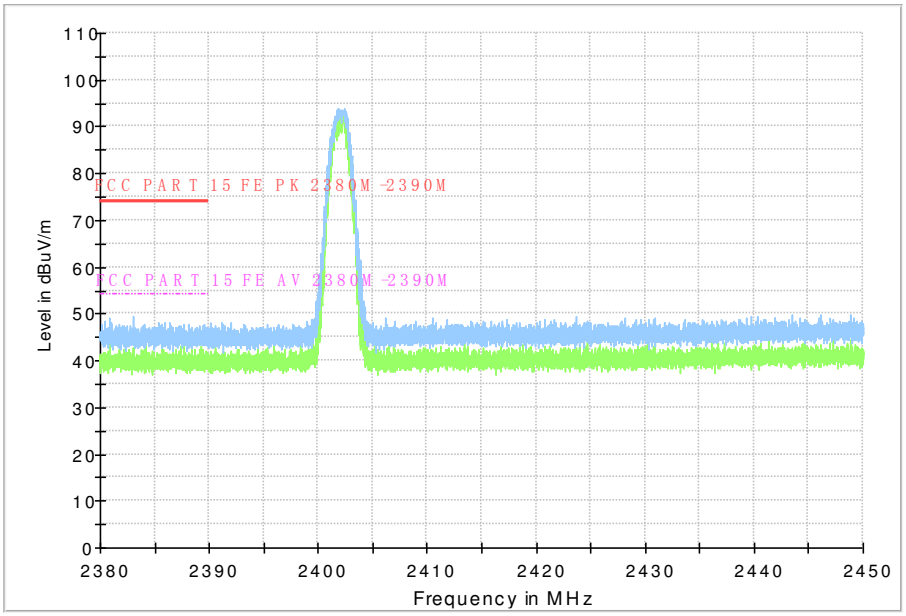

Fig. 70 Radiated Emission Power (π /4 DQPSK, Ch0, 2380GHz~2450GHz)

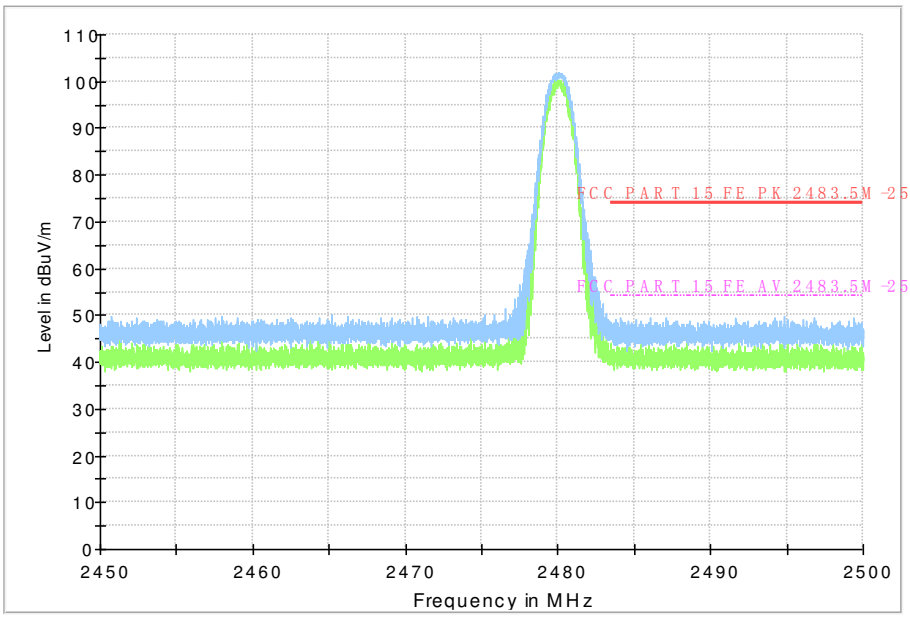

Fig. 71 Radiated Emission Power (π /4 DQPSK, Ch78, 2450GHz~2500GHz)

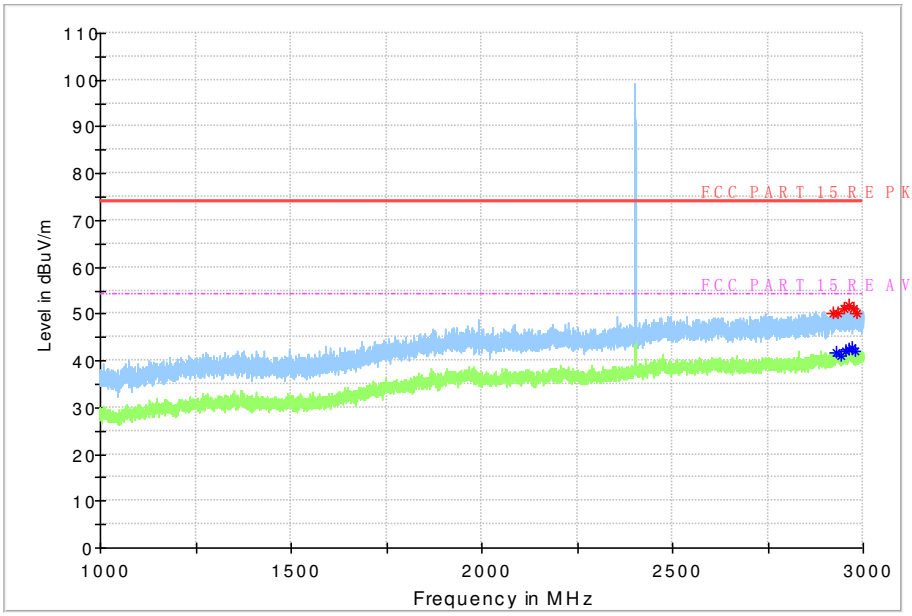

Fig. 72 Radiated Spurious Emission (8DPSK, Ch0, 1 GHz ~3 GHz)

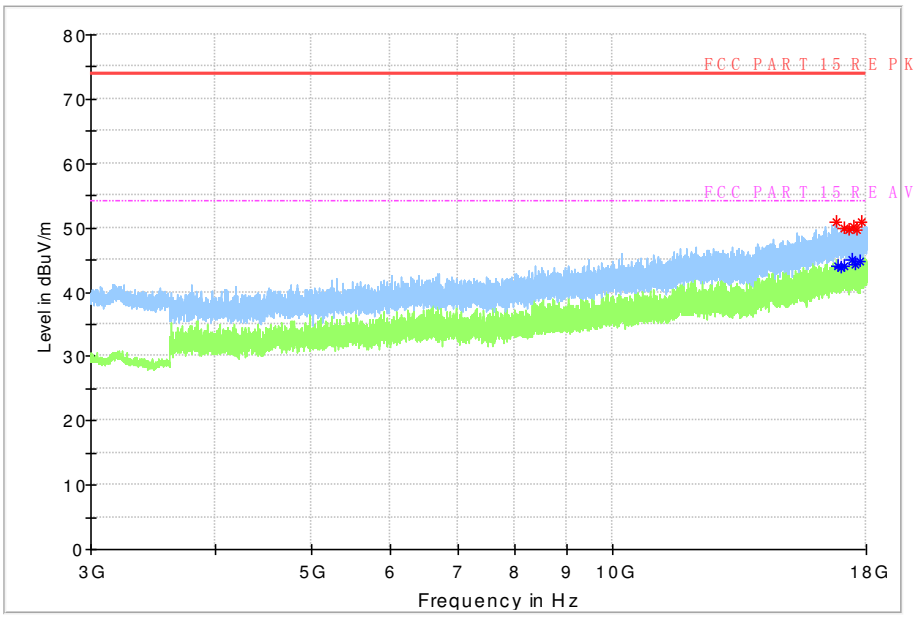

Fig. 73 Radiated Spurious Emission (8DPSK, Ch0, 3 GHz ~18 GHz)

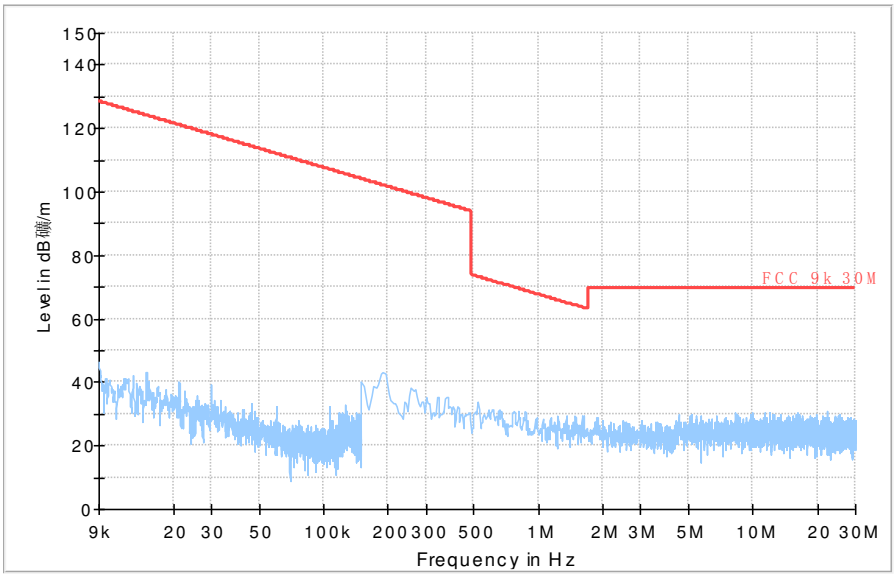

Fig. 74 Radiated Spurious Emission (8DPSK, Ch39, 9 kHz ~30 MHz)

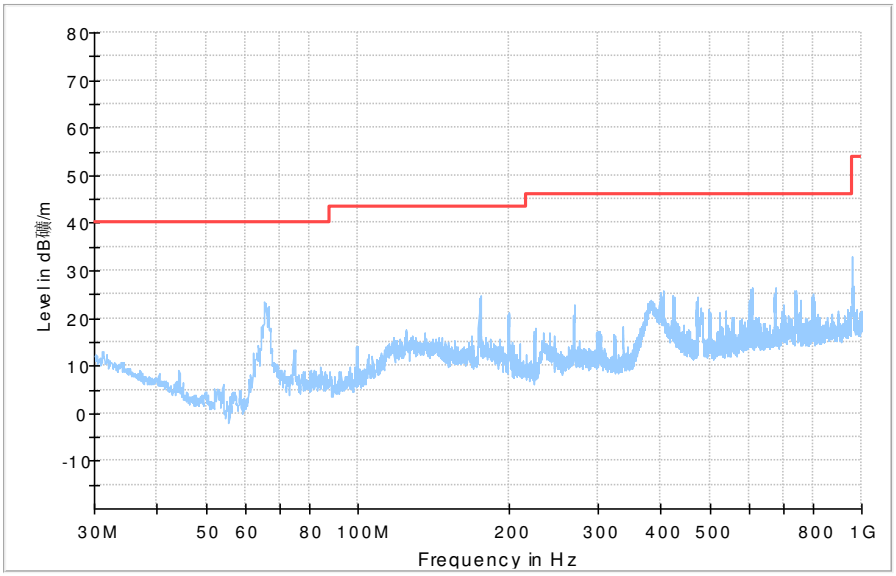

Fig. 75 Radiated Spurious Emission (8DPSK, Ch39, 30 MHz ~1 GHz)

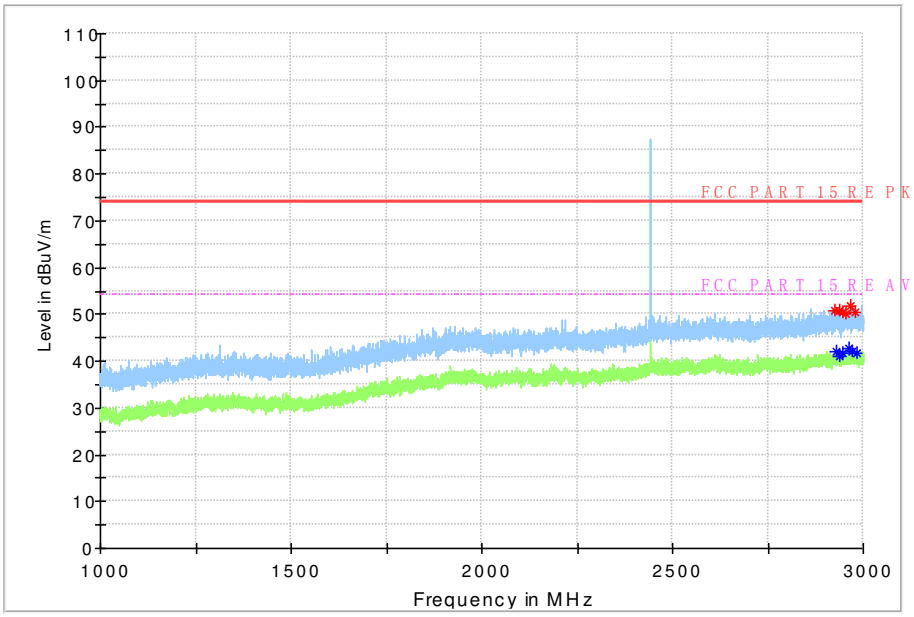

Fig. 76 Radiated Spurious Emission (8DPSK, Ch39, 1 GHz ~3 GHz)

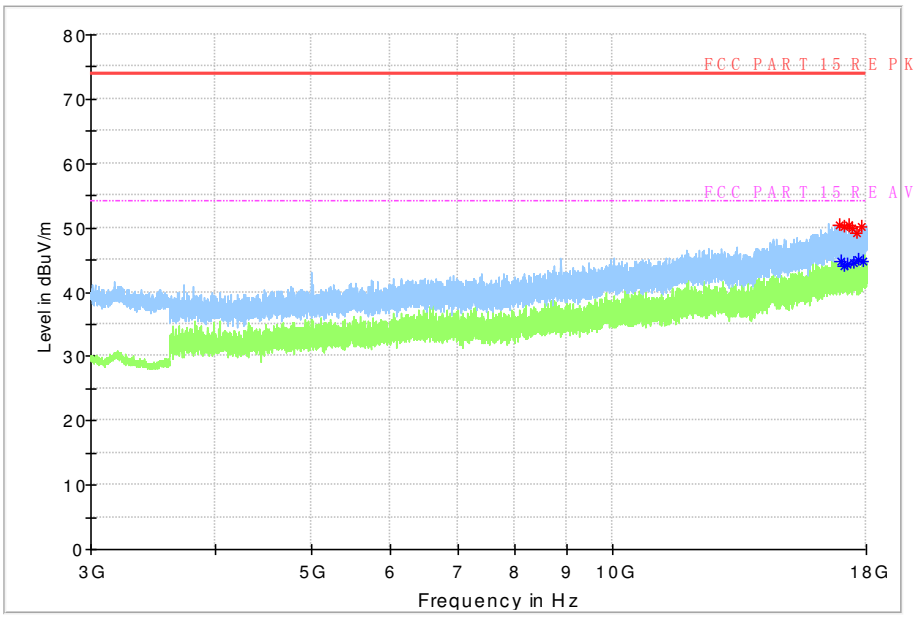

Fig. 77 Radiated Spurious Emission (8DPSK, Ch39, 3 GHz ~18 GHz)

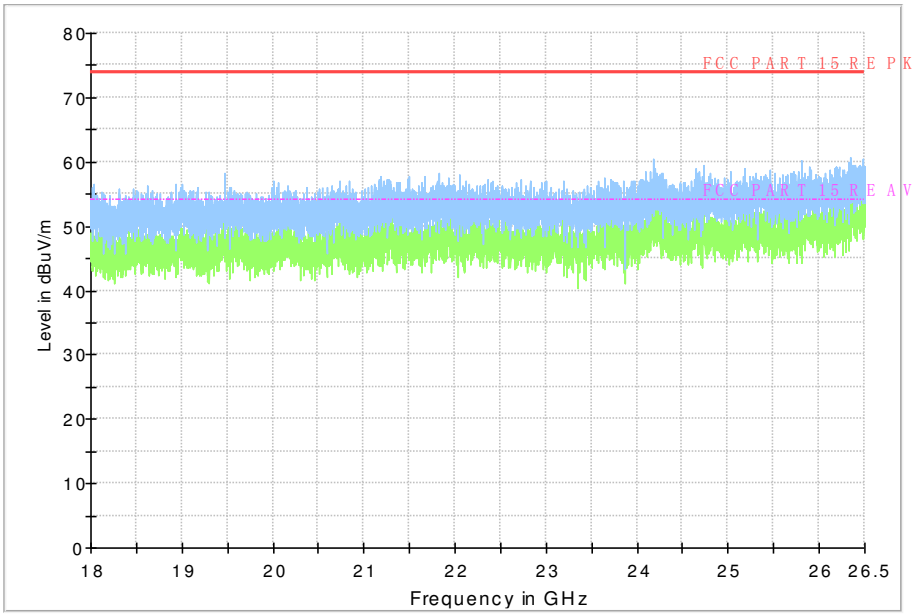

Fig. 78 Radiated Spurious Emission (8DPSK, Ch39, 18 GHz ~26.5 GHz)

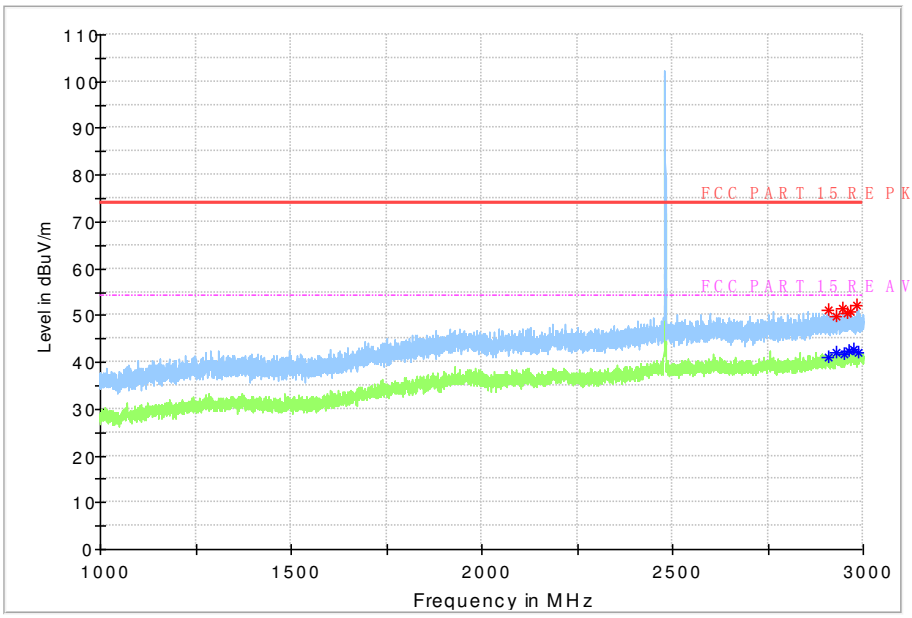

Fig. 79 Radiated Spurious Emission (8DPSK, Ch78, 1 GHz ~3 GHz)

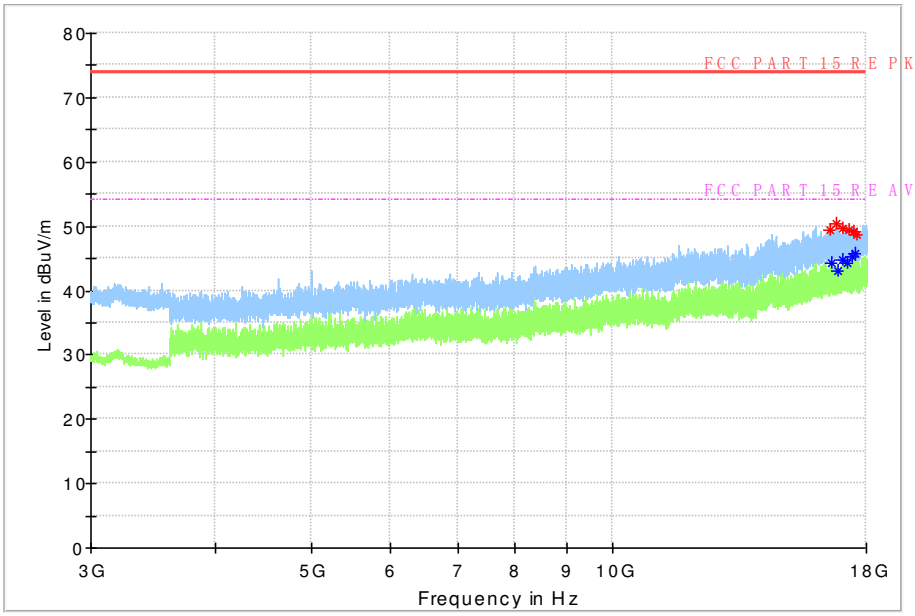

Fig. 80 Radiated Spurious Emission (8DPSK, Ch78, 3 GHz ~18 GHz)

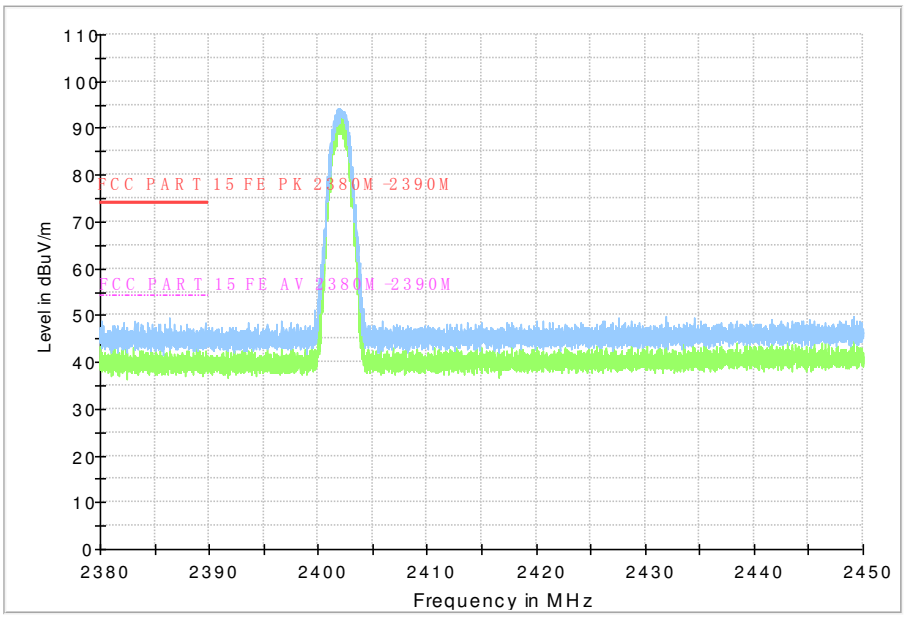

Fig. 81 Radiated Emission Power (8DPSK, Ch0, 2380GHz~2450GHz)

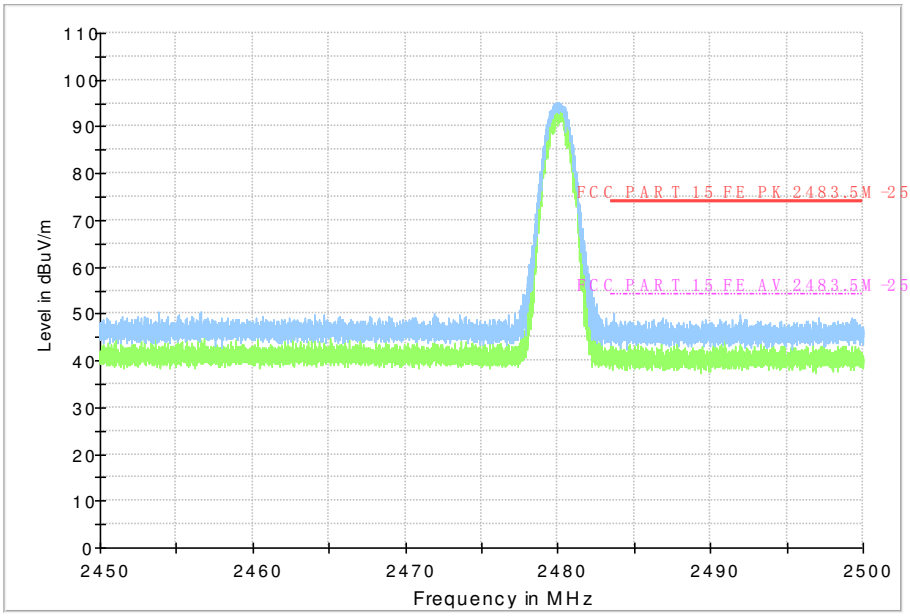

Fig. 82 Radiated Emission Power (8DPSK, Ch78, 2450GHz~2500GHz)

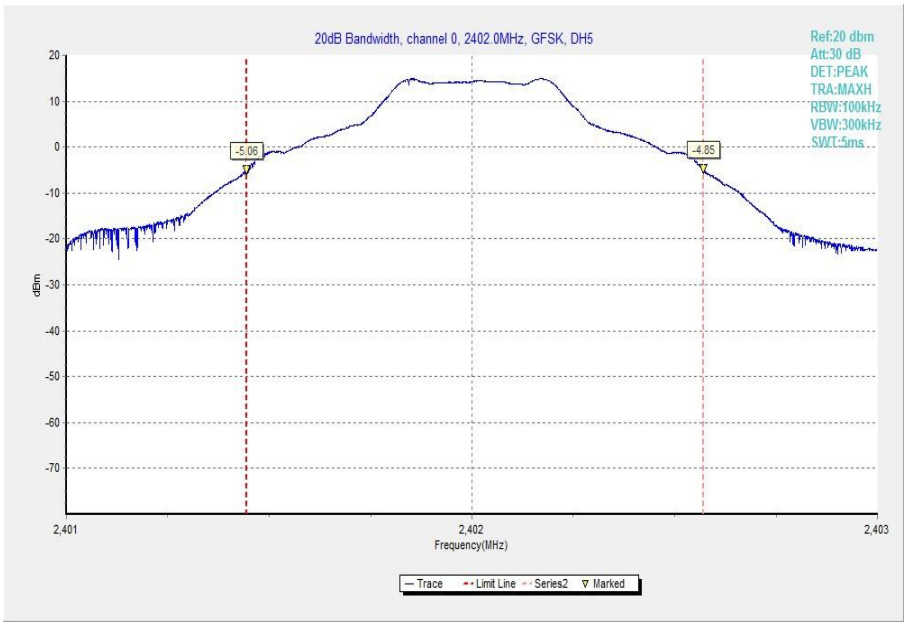

Fig. 83 Occupied 20dB Bandwidth (GFSK, Ch 0)

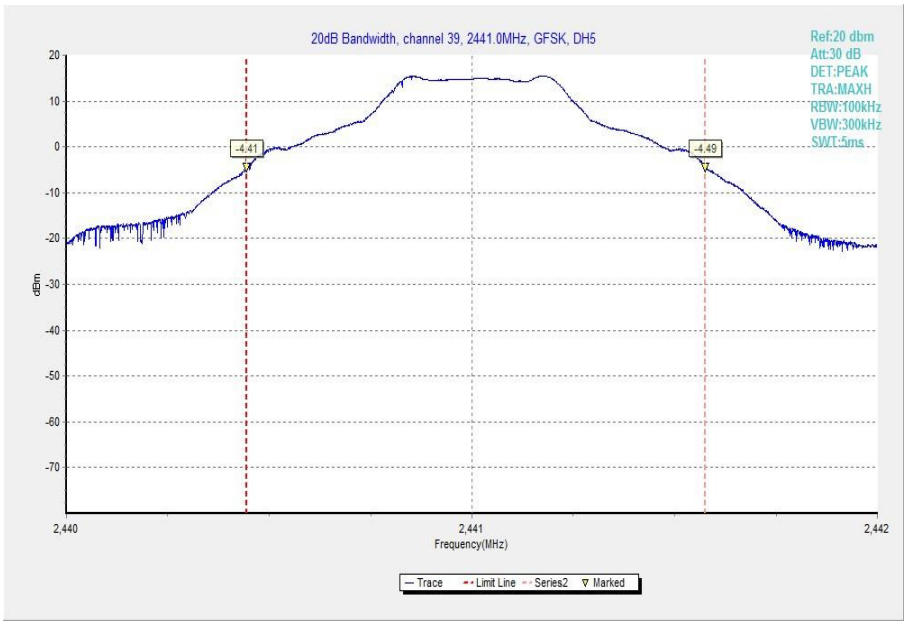

Fig. 84 Occupied 20dB Bandwidth (GFSK, Ch 39)

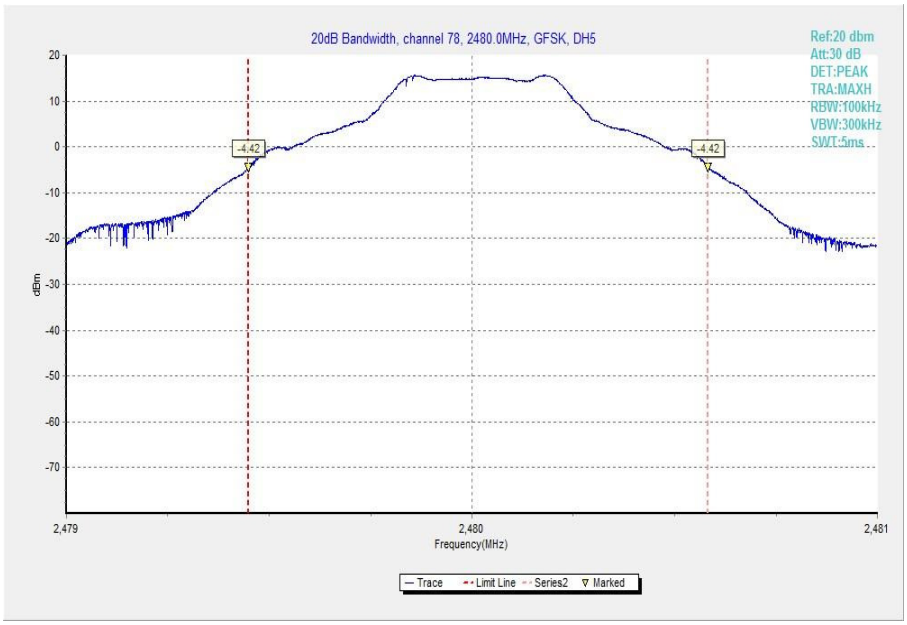

Fig. 85 Occupied 20dB Bandwidth (GFSK, Ch 78)

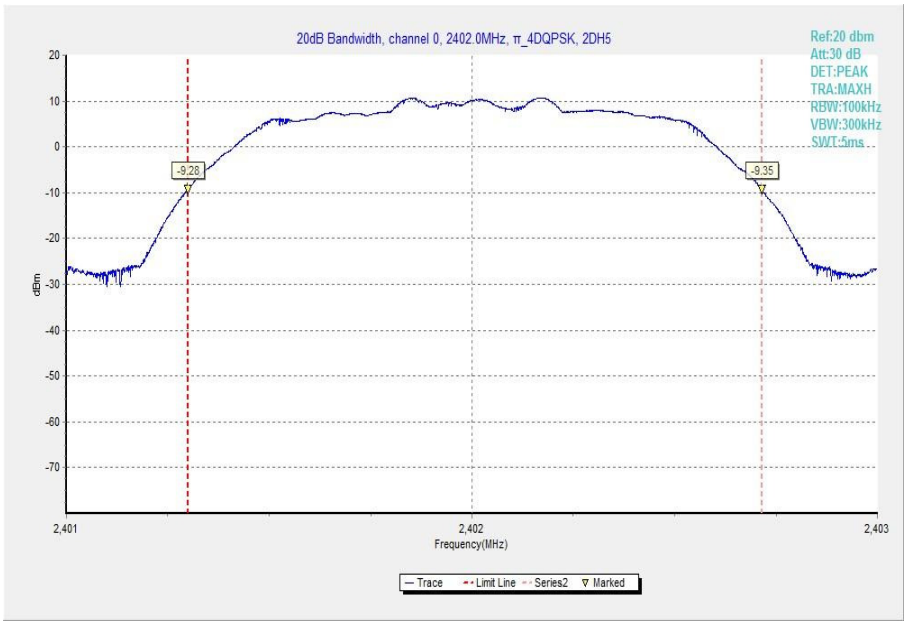

Fig. 86 Occupied 20dB Bandwidth (π /4 DQPSK, Ch 0)

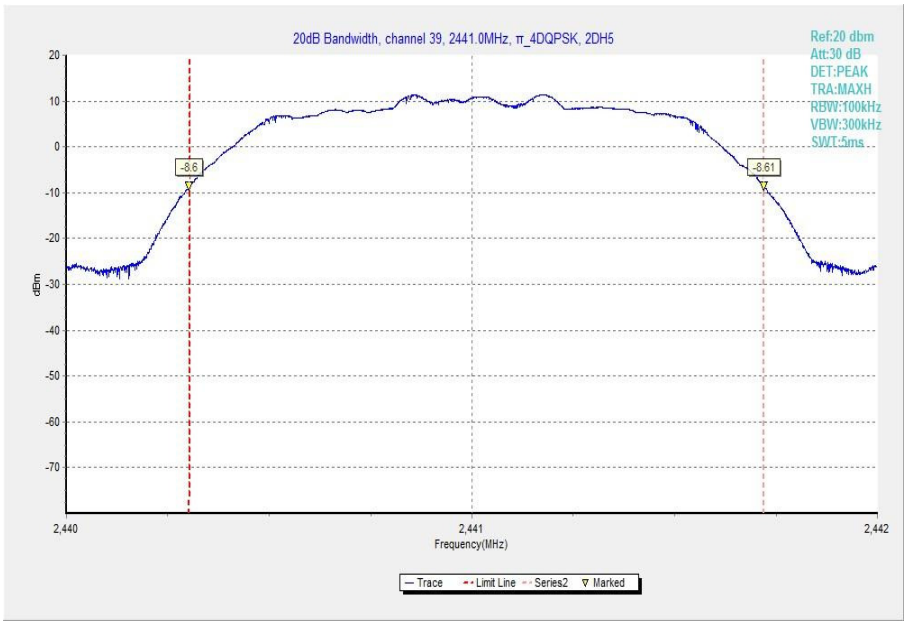

Fig. 87 Occupied 20dB Bandwidth (π /4 DQPSK, Ch 39)

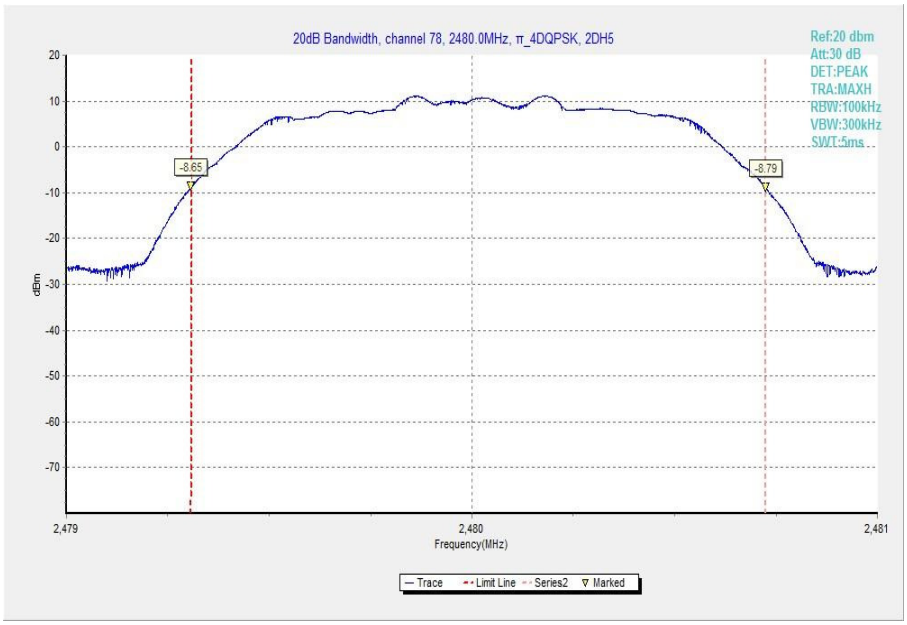

Fig. 88 Occupied 20dB Bandwidth (π /4 DQPSK, Ch 78)

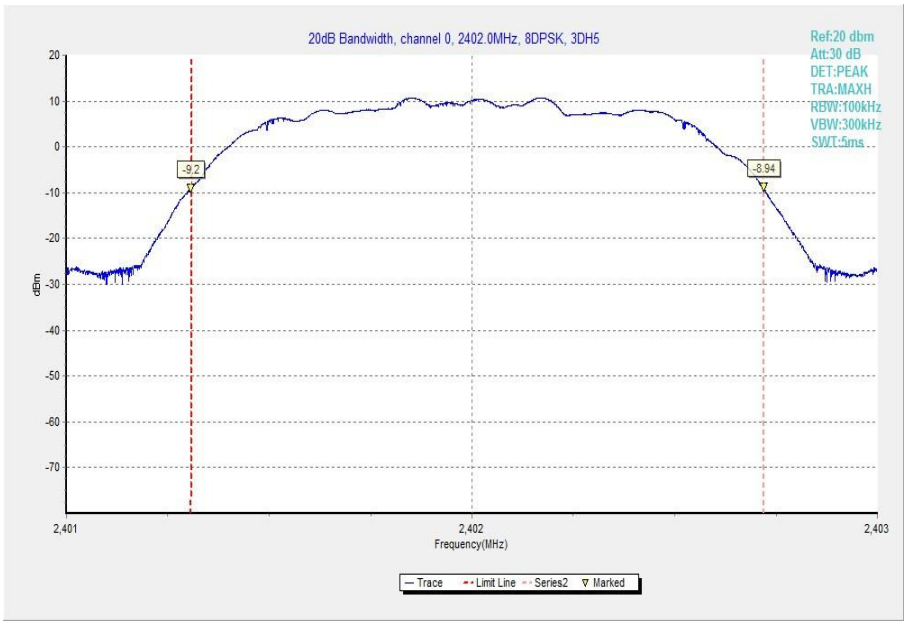

Fig. 89 Occupied 20dB Bandwidth (8DPSK, Ch 0)

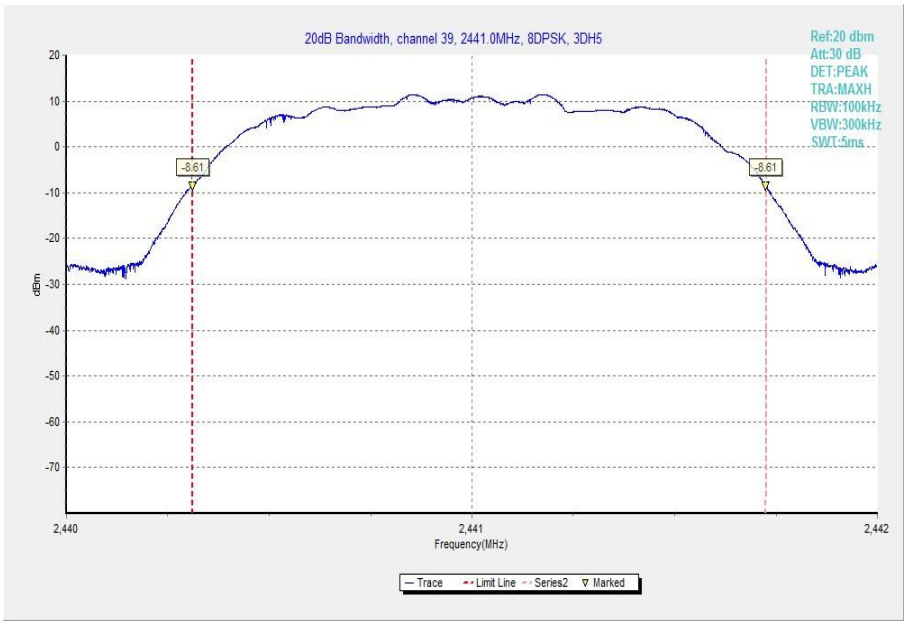

Fig. 90 Occupied 20dB Bandwidth (8DPSK, Ch 39)

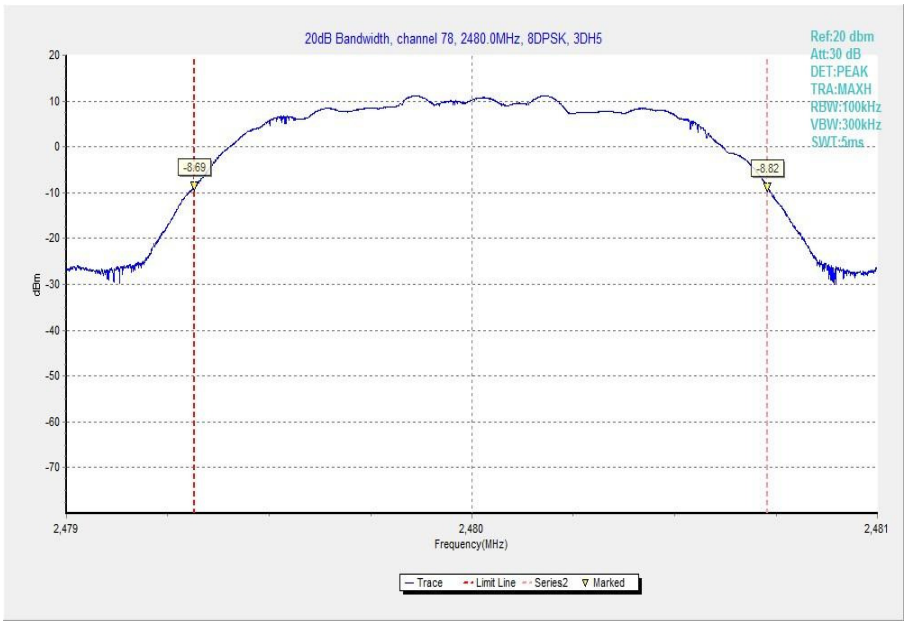

Fig. 91 Occupied 20dB Bandwidth (8DPSK, Ch 78)

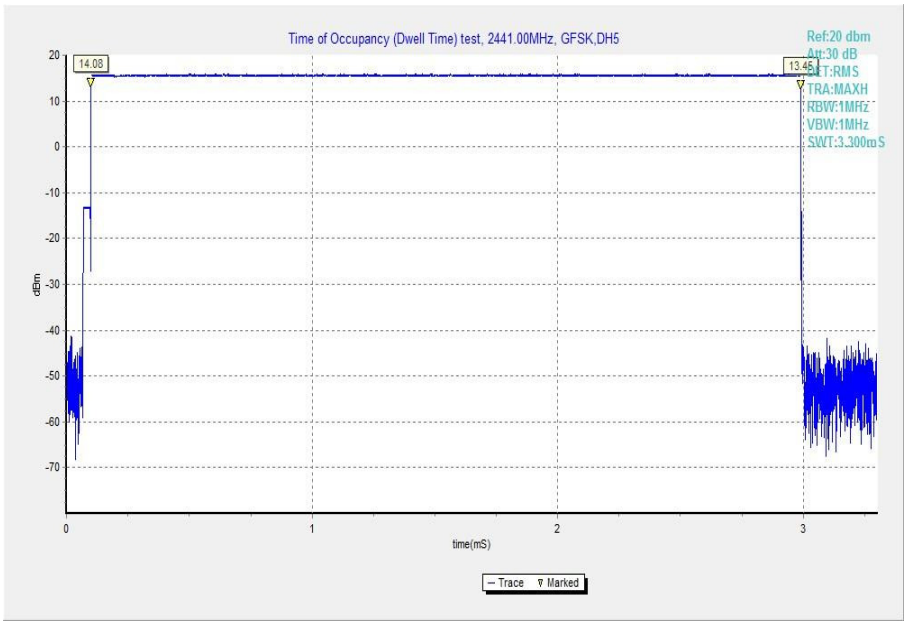

Fig. 92 Time of Occupancy(Dwell Time) (GFSK, Ch39)

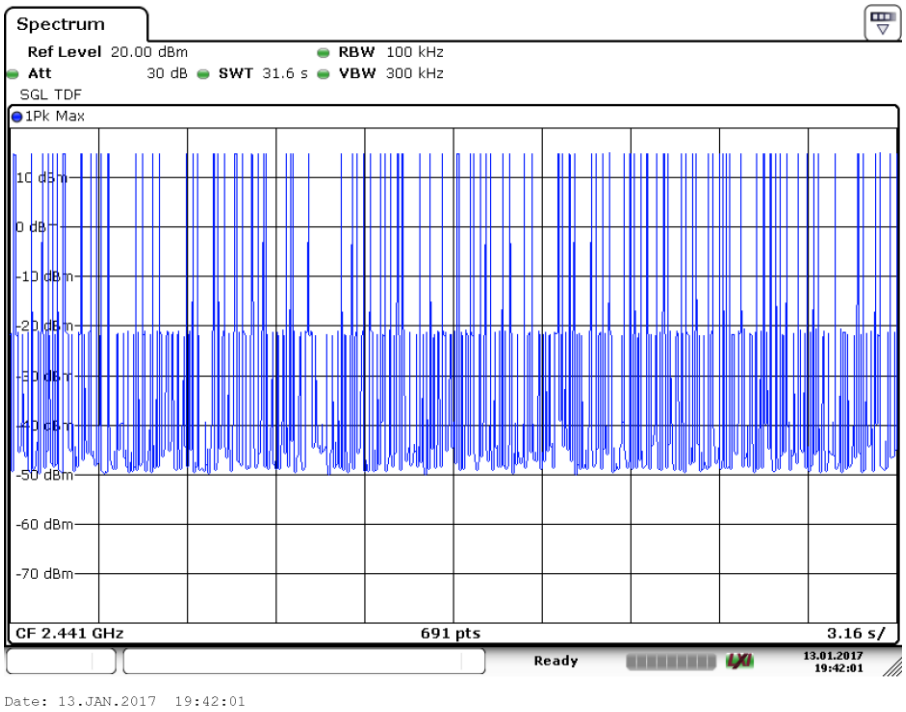

Fig. 93 Number of Transmissions (GFSK, Ch39)

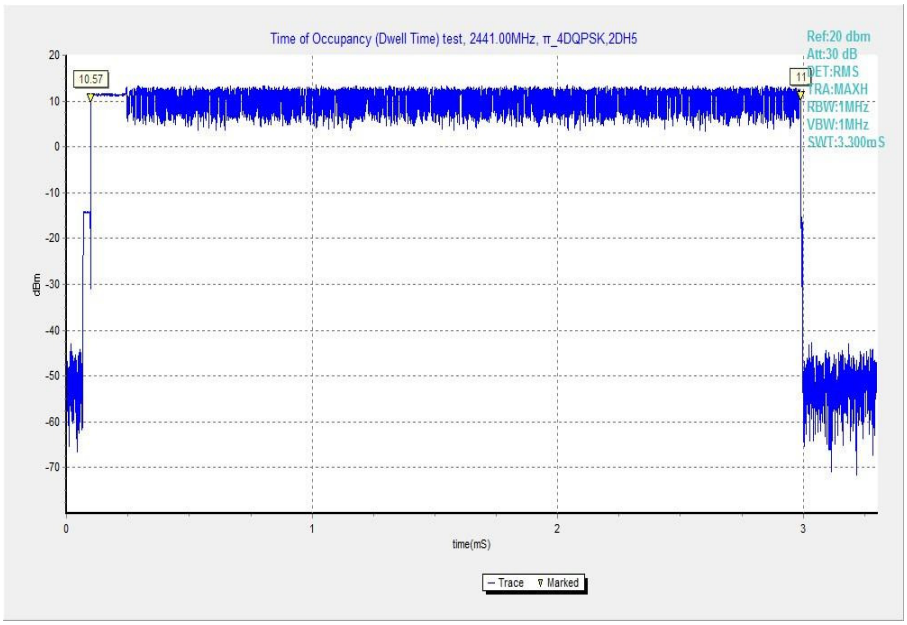

Fig. 94 Time of Occupancy(Dwell Time) (π /4 DQPSK, Ch39)

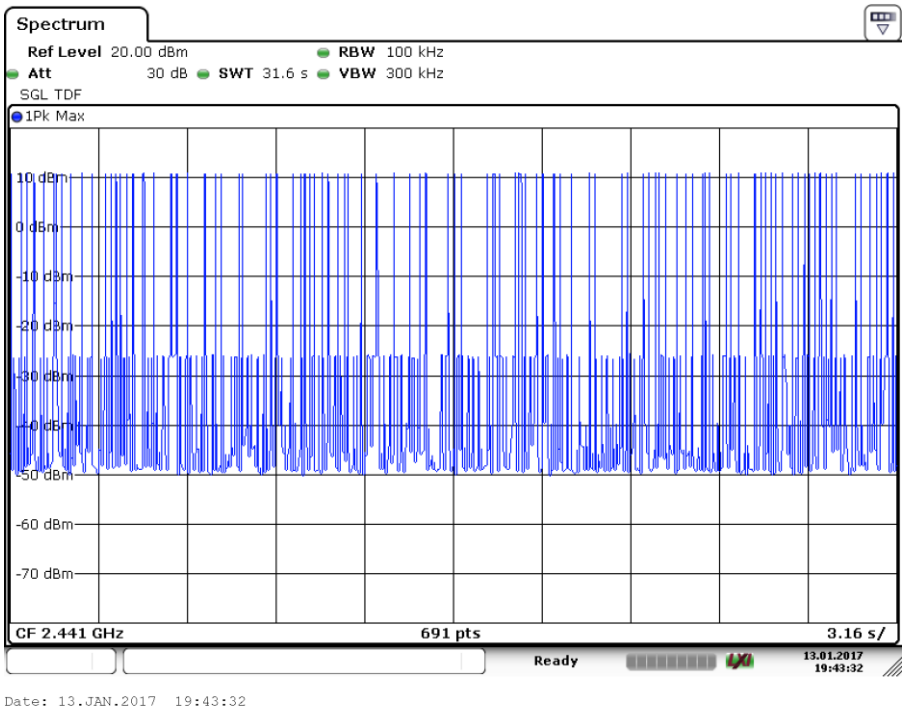

Fig. 95 Number of Transmissions (π /4 DQPSK, Ch39)

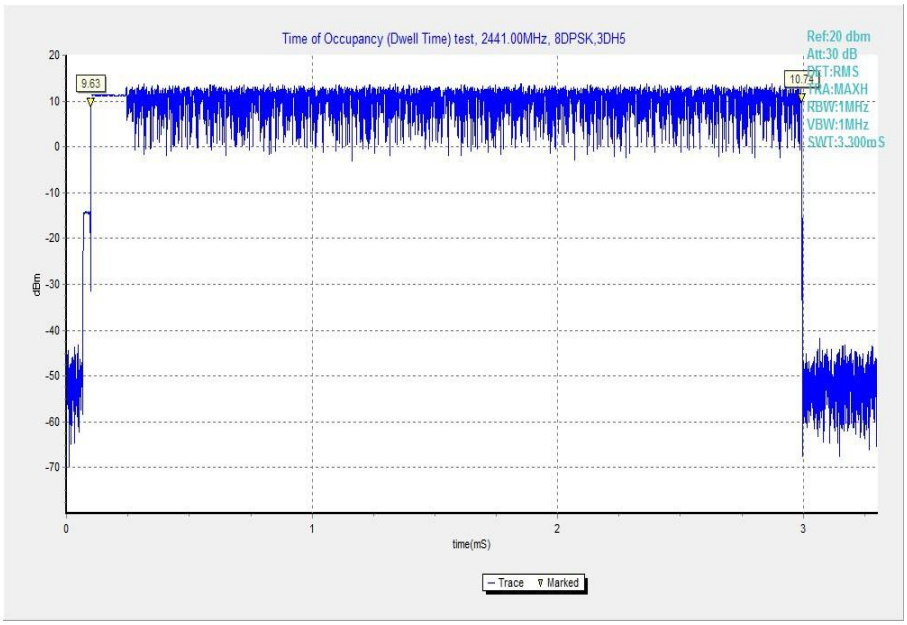

Fig. 96 Time of Occupancy(Dwell Time) (8DPSK, Ch39)

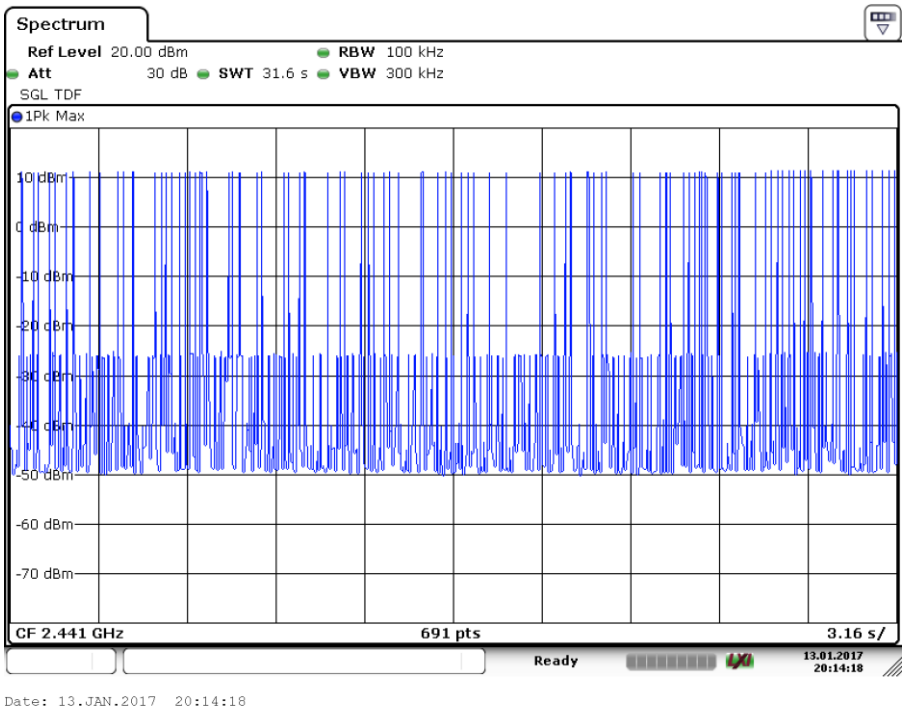

Fig. 97 Number of Transmissions (8DPSK, Ch39)

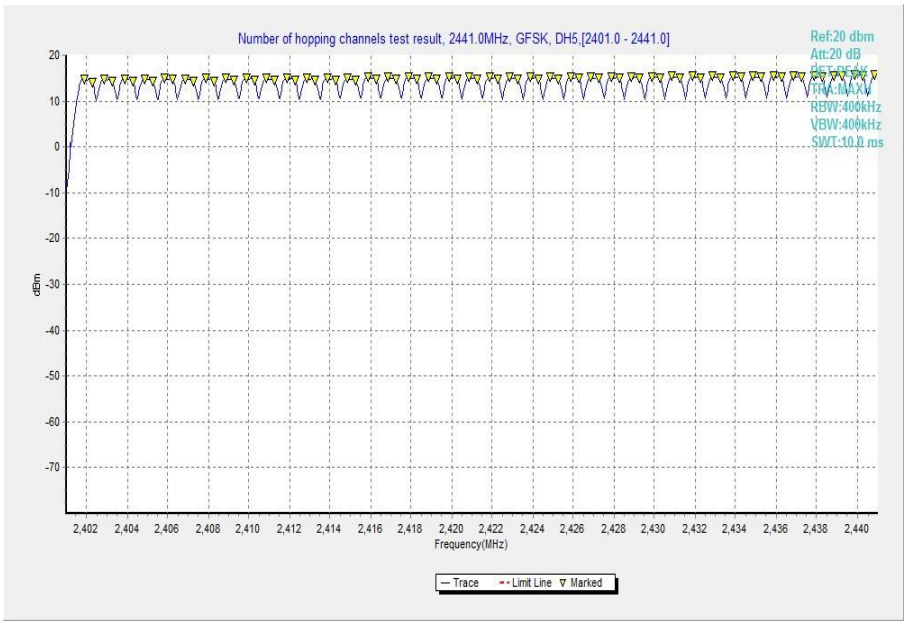

Fig. 98 Hopping channel ch0~39 (GFSK, Ch39)

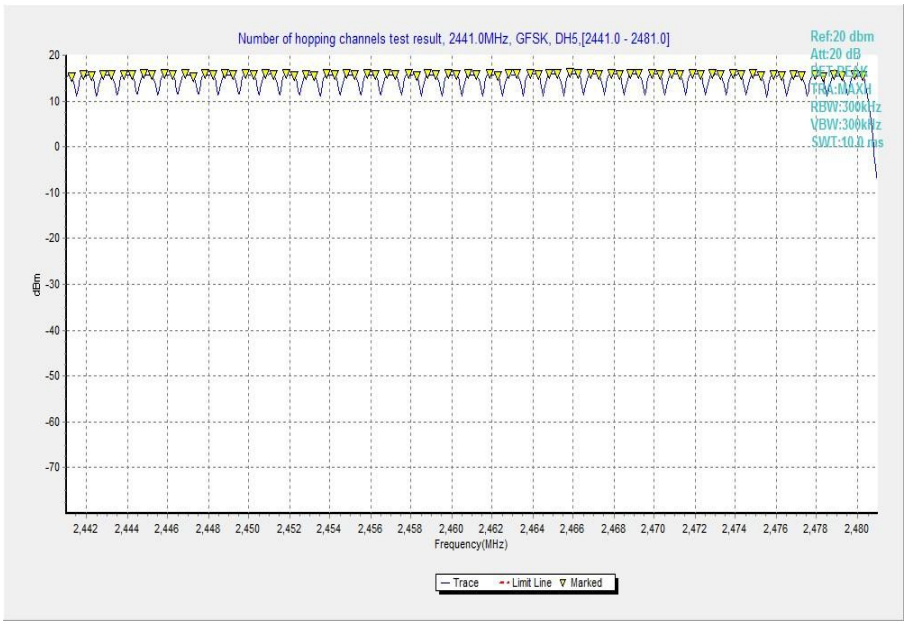

Fig. 99 Hopping channel ch39~78 (GFSK, Ch39)

Fig. 100 Hopping channel ch0~39 (π /4 DQPSK, Ch39)

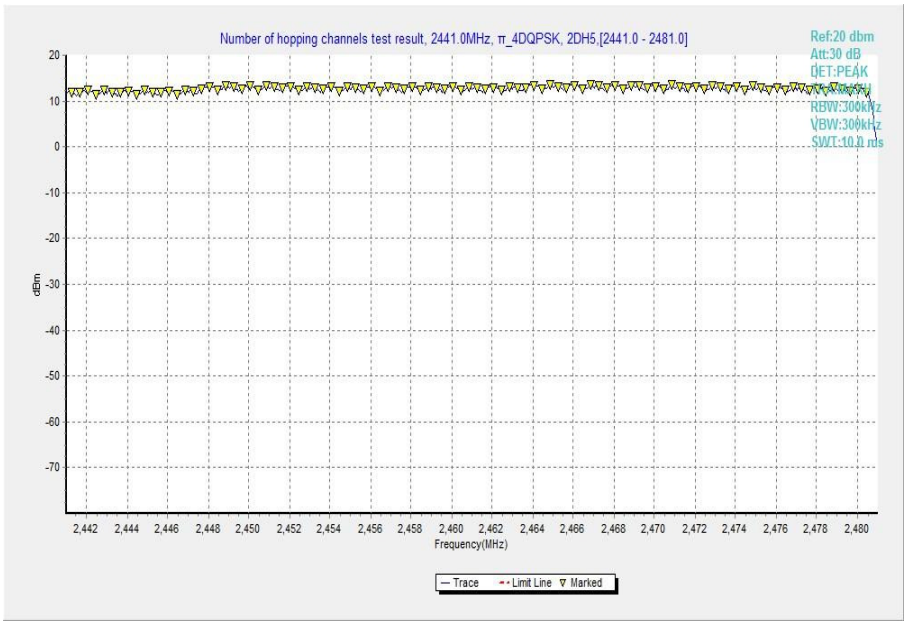

Fig. 101 Hopping channel ch39~78 (π /4 DQPSK, Ch39)

Fig. 102 Hopping channel ch0~39 (8DPSK, Ch39)

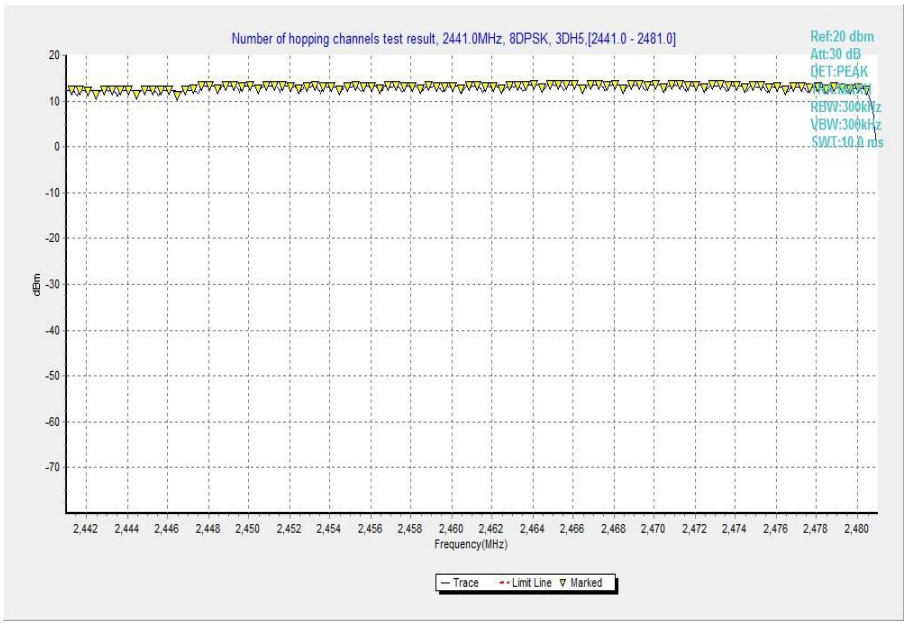

Fig. 103 Hopping channel ch39~78 (8DPSK, Ch39)

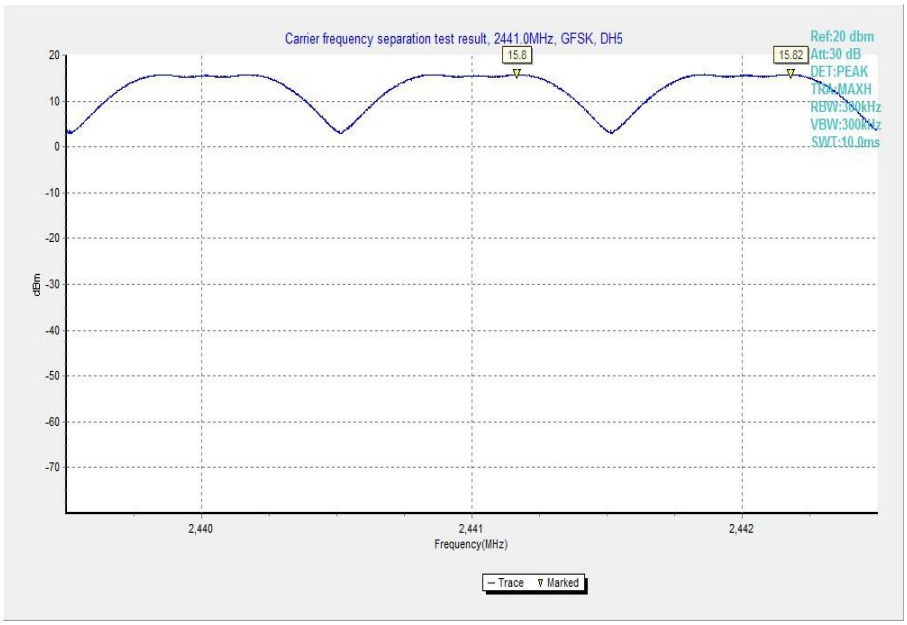

Fig. 104 Carrier Frequency Separation (GFSK, Ch39)

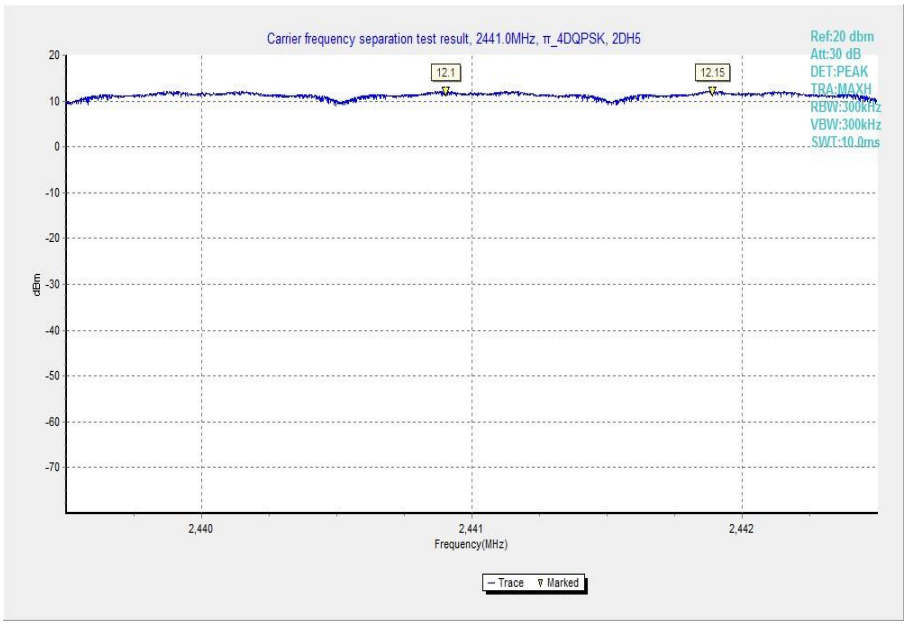

Fig. 105 Carrier Frequency Separation (π /4 DQPSK, Ch39)

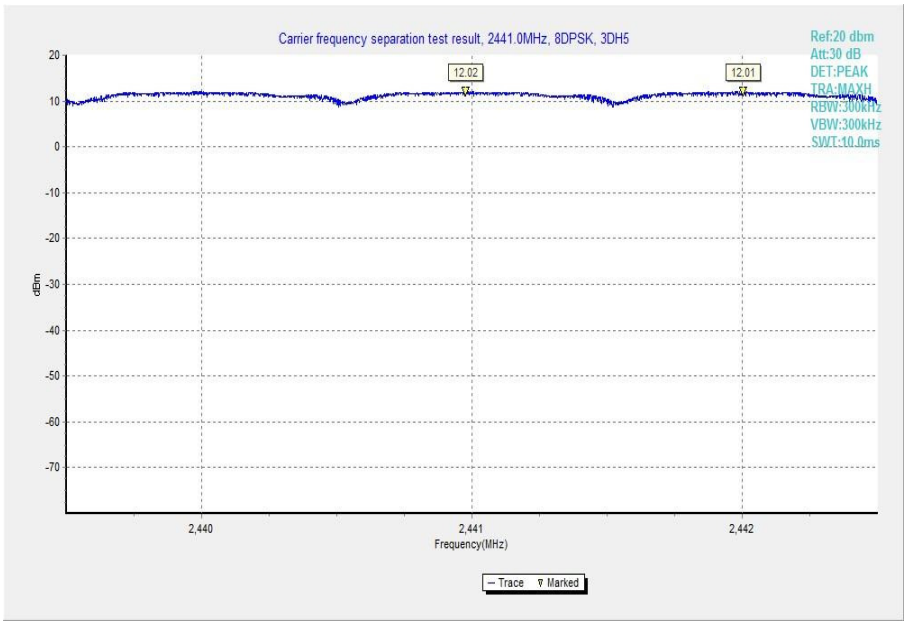

Fig. 106 Carrier Frequency Separation (8DPSK, Ch39)

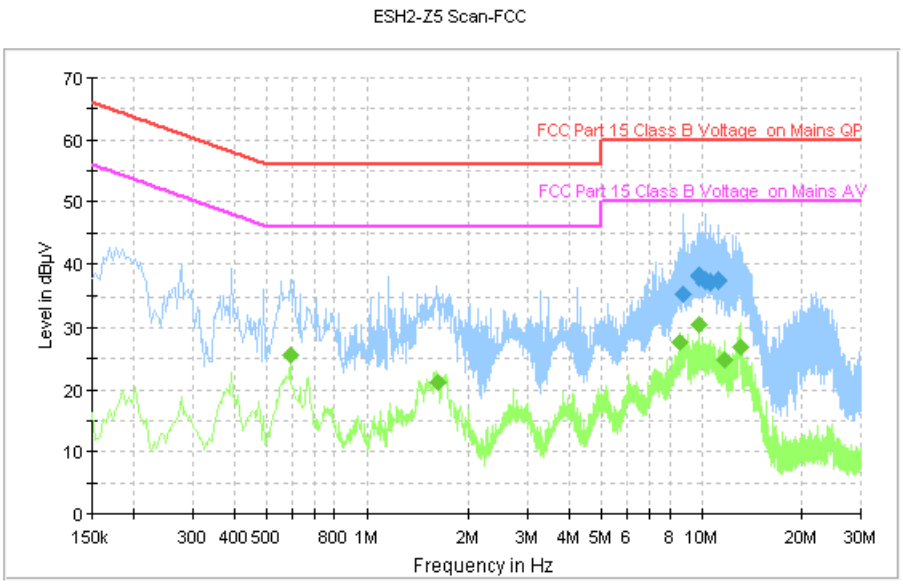

Fig. 107 AC Powerline Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
8.742000	35.3	GND	N	9.8	24.7	60.0
9.782000	38.0	GND	N	9.9	22.0	60.0
9.802000	38.3	GND	N	9.9	21.7	60.0
10.254000	37.6	GND	N	9.9	22.4	60.0
10.582000	37.3	GND	N	9.9	22.7	60.0
11.150000	37.6	GND	N	9.9	22.4	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.590000	25.7	GND	N	9.6	20.3	46.0
1.618000	21.2	GND	N	9.6	24.8	46.0
8.598000	27.8	GND	N	9.8	22.2	50.0
9.766000	30.5	GND	N	9.9	19.5	50.0
11.702000	24.7	GND	N	9.9	25.3	50.0
13.070000	26.8	GND	N	9.9	23.2	50.0

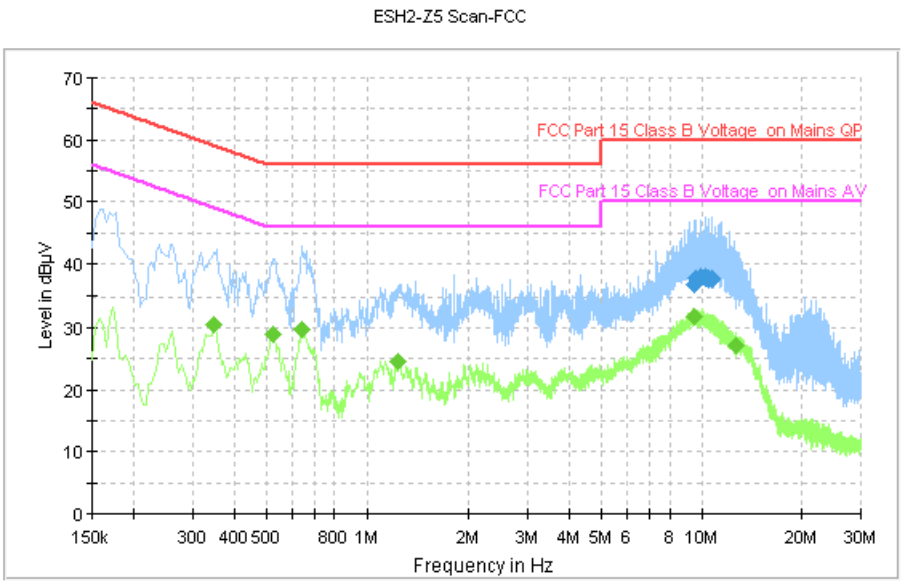

Fig. 108 AC Power line Conducted Emission (Idle, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
9.466000	37.0	GND	N	9.9	23.0	60.0
9.618000	37.6	GND	N	9.9	22.4	60.0
9.922000	38.1	GND	N	9.9	21.9	60.0
10.238000	38.0	GND	N	9.9	22.0	60.0
10.490000	37.6	GND	N	9.9	22.4	60.0
10.722000	37.7	GND	N	9.9	22.3	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.346000	30.5	GND	N	9.6	18.6	49.1
0.522000	28.8	GND	N	9.7	17.2	46.0
0.638000	29.8	GND	N	9.6	16.2	46.0
1.242000	24.5	GND	N	9.6	21.5	46.0
9.514000	31.8	GND	N	9.9	18.2	50.0
12.682000	27.0	GND	N	9.9	23.0	50.0

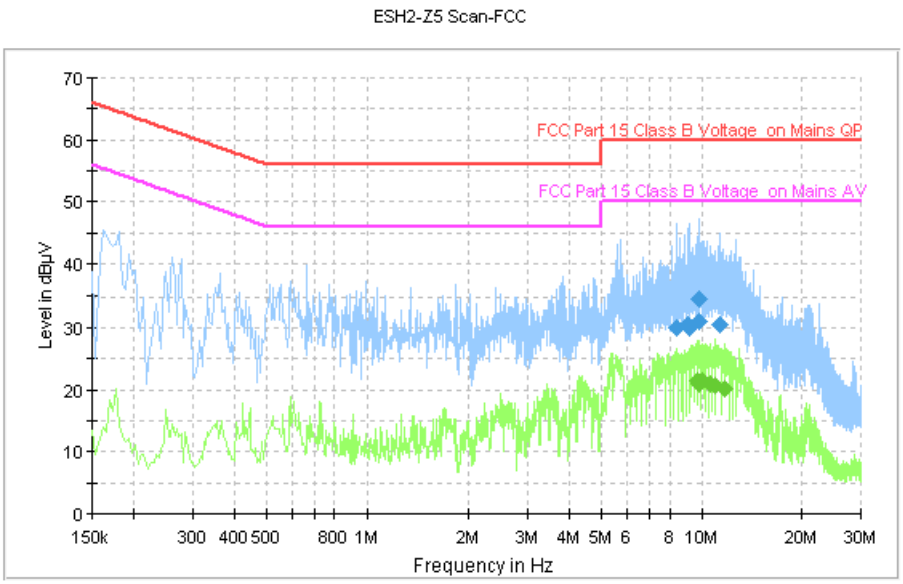

Fig. 109 AC Powerline Conducted Emission (Traffic, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
8.438000	29.9	GND	N	9.8	30.1	60.0
9.086000	30.4	GND	N	9.8	29.6	60.0
9.178000	30.0	GND	N	9.8	30.0	60.0
9.850000	34.7	GND	N	9.9	25.3	60.0
9.858000	30.9	GND	N	9.9	29.1	60.0
11.302000	30.5	GND	N	9.9	29.5	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
9.666000	21.3	GND	N	9.9	28.7	50.0
9.858000	21.0	GND	N	9.9	29.0	50.0
10.026000	21.4	GND	N	9.8	28.6	50.0
10.638000	21.0	GND	N	9.9	29.0	50.0
10.906000	20.7	GND	N	9.9	29.3	50.0
11.722000	20.1	GND	N	9.9	29.9	50.0

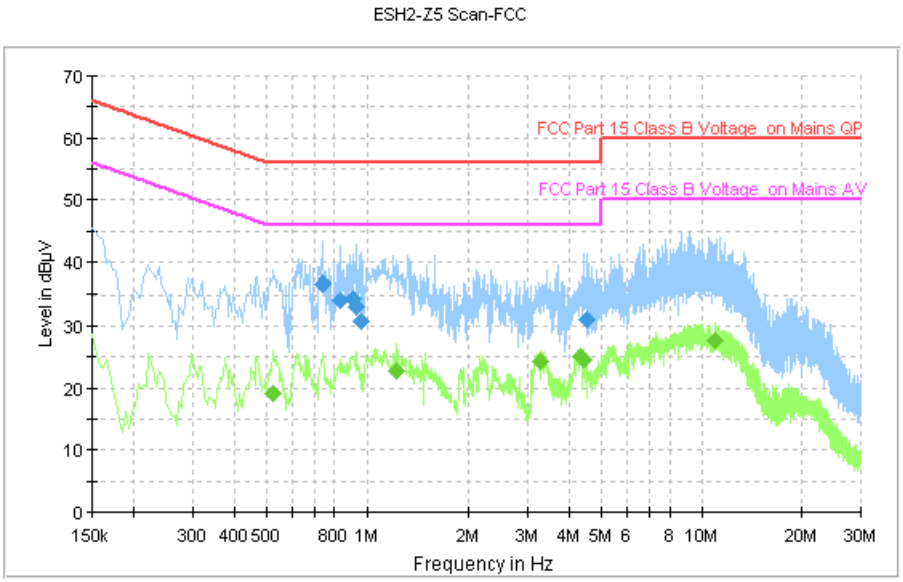

Fig. 110 AC Power line Conducted Emission (Idle, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.734000	36.6	GND	N	9.5	19.4	56.0
0.830000	34.0	GND	N	9.5	22.0	56.0
0.914000	34.4	GND	N	9.6	21.6	56.0
0.930000	33.2	GND	N	9.6	22.8	56.0
0.958000	30.8	GND	N	9.6	25.2	56.0
4.534000	31.1	GND	N	9.6	24.9	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.526000	19.1	GND	N	9.7	26.9	46.0
1.230000	22.8	GND	N	9.6	23.2	46.0
3.274000	24.2	GND	N	9.6	21.8	46.0
4.342000	25.2	GND	N	9.6	20.8	46.0
4.438000	24.6	GND	N	9.6	21.4	46.0
11.006000	27.7	GND	N	9.9	22.3	50.0

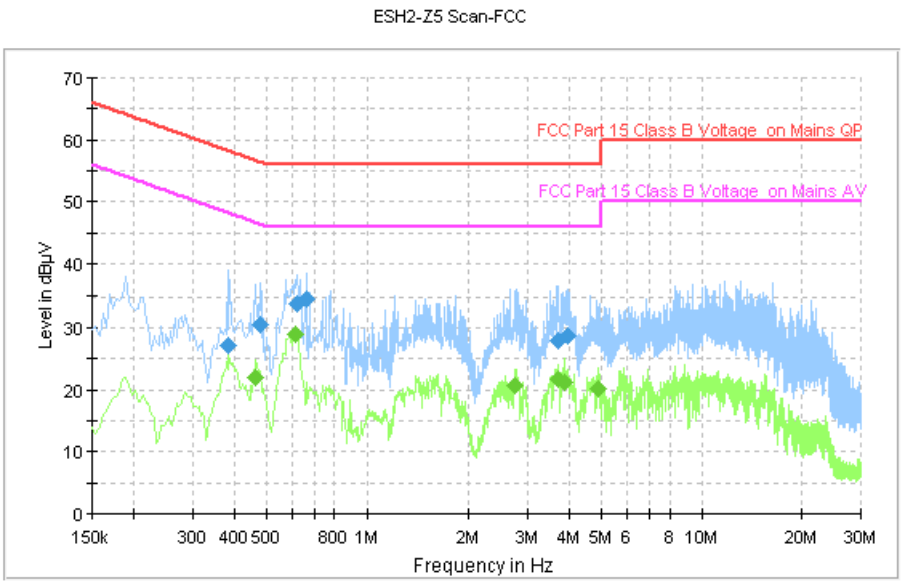

Fig. 111 AC Powerline Conducted Emission (Traffic, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.382000	27.2	GND	N	9.6	31.1	58.2
0.478000	30.5	GND	N	9.7	25.8	56.4
0.618000	33.7	GND	N	9.6	22.3	56.0
0.658000	34.6	GND	N	9.6	21.4	56.0
3.706000	28.0	GND	N	9.6	28.0	56.0
3.974000	28.5	GND	N	9.6	27.5	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.466000	21.9	GND	N	9.7	24.7	46.6
0.610000	28.8	GND	N	9.6	17.2	46.0
2.746000	20.8	GND	N	9.6	25.2	46.0
3.690000	21.7	GND	N	9.6	24.3	46.0
3.886000	21.3	GND	N	9.6	24.7	46.0
4.902000	20.1	GND	N	9.6	25.9	46.0

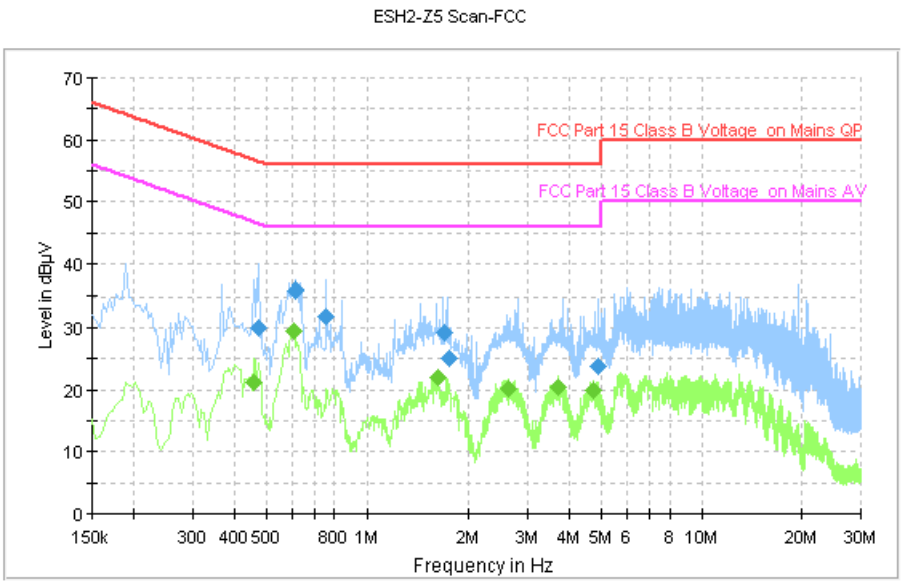

Fig. 112 AC Power line Conducted Emission (Idle, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.474000	30.0	GND	N	9.7	26.5	56.4
0.614000	36.0	GND	N	9.6	20.0	56.0
0.754000	31.7	GND	N	9.6	24.3	56.0
1.694000	29.2	GND	N	9.5	26.8	56.0
1.742000	25.0	GND	N	9.6	31.0	56.0
4.910000	23.8	GND	N	9.6	32.2	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.458000	21.2	GND	N	9.7	25.6	46.7
0.602000	29.5	GND	N	9.6	16.6	46.0
1.622000	21.8	GND	N	9.6	24.2	46.0
2.622000	20.2	GND	N	9.6	25.8	46.0
3.722000	20.3	GND	N	9.6	25.7	46.0
4.742000	19.9	GND	N	9.6	26.1	46.0

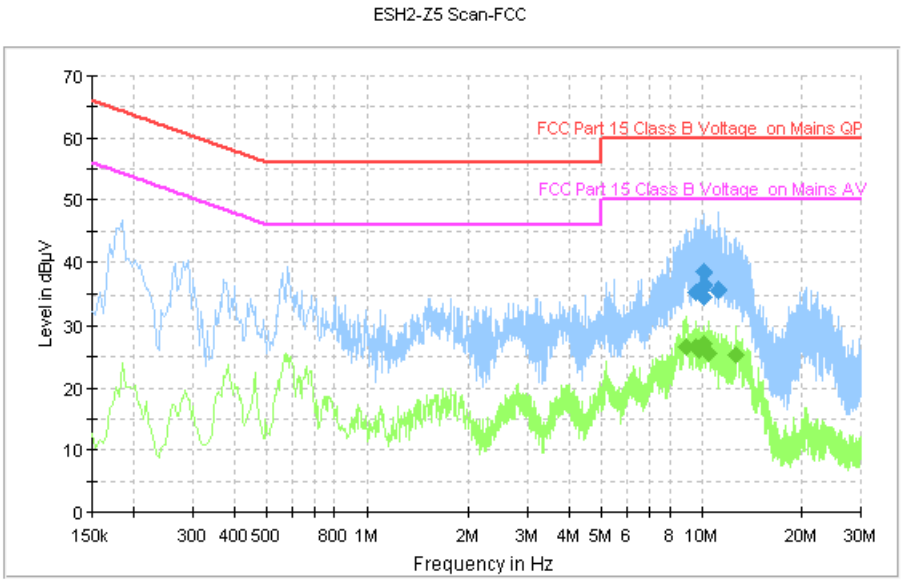

Fig. 113 AC Powerline Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
9.626000	35.3	GND	N	9.9	24.7	60.0
9.918000	35.7	GND	N	9.9	24.3	60.0
10.094000	36.4	GND	N	9.8	23.6	60.0
10.154000	34.7	GND	N	9.8	25.3	60.0
10.186000	38.5	GND	N	9.8	21.5	60.0
11.262000	35.6	GND	N	9.9	24.4	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
9.006000	26.6	GND	N	9.8	23.4	50.0
9.582000	26.7	GND	N	9.9	23.3	50.0
9.854000	26.0	GND	N	9.9	24.0	50.0
10.134000	27.2	GND	N	9.8	22.8	50.0
10.438000	25.6	GND	N	9.9	24.4	50.0
12.710000	25.2	GND	N	9.9	24.8	50.0

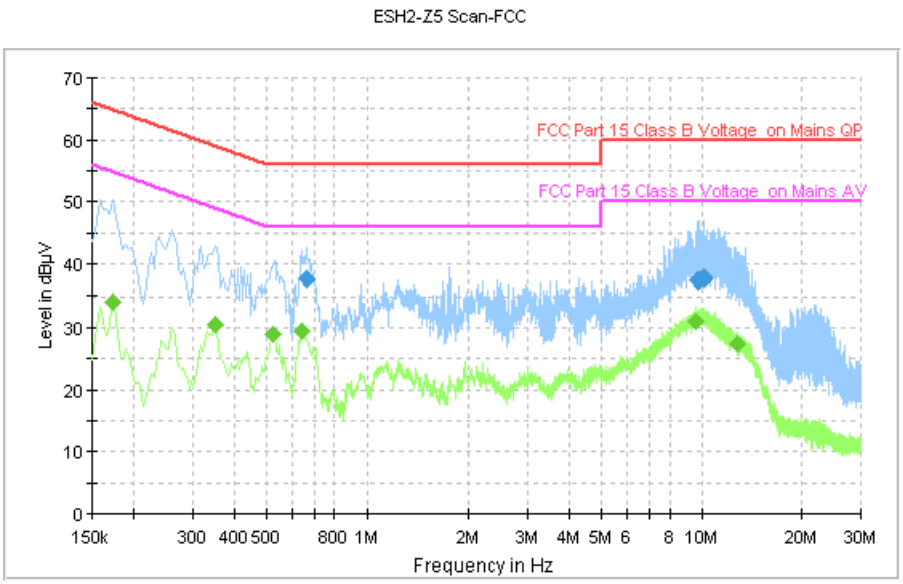

Fig. 114 AC Power line Conducted Emission (Idle, AE1)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.658000	37.6	GND	N	9.6	18.4	56.0
9.734000	37.4	GND	N	9.9	22.6	60.0
9.818000	37.4	GND	N	9.9	22.6	60.0
10.118000	37.9	GND	N	9.8	22.1	60.0
10.170000	37.6	GND	N	9.8	22.4	60.0
10.178000	37.9	GND	N	9.8	22.1	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	34.2	GND	N	9.6	20.5	54.8
0.350000	30.4	GND	N	9.6	18.6	49.0
0.526000	28.8	GND	N	9.7	17.2	46.0
0.642000	29.4	GND	N	9.6	16.6	46.0
9.630000	31.1	GND	N	9.9	18.9	50.0
12.766000	27.3	GND	N	9.9	22.7	50.0

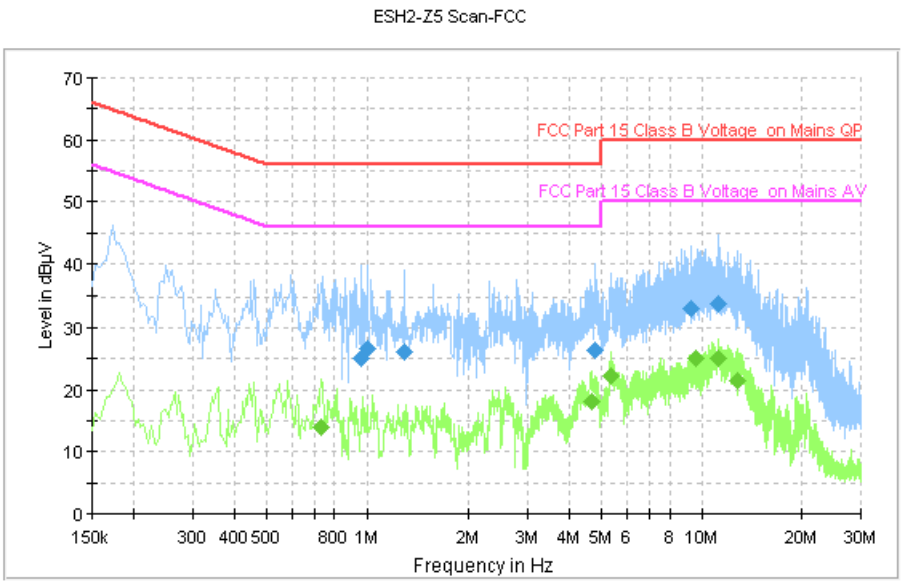

Fig. 115 AC Powerline Conducted Emission (Traffic, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.966000	25.1	GND	N	9.6	30.9	56.0
1.006000	26.7	GND	N	9.5	29.3	56.0
1.290000	26.1	GND	N	9.6	29.9	56.0
4.802000	26.5	GND	N	9.6	29.5	56.0
9.338000	33.2	GND	N	9.8	26.8	60.0
11.266000	33.9	GND	N	9.9	26.1	60.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.730000	13.9	GND	N	9.5	32.1	46.0
4.670000	18.2	GND	N	9.6	27.8	46.0
5.330000	22.2	GND	N	9.6	27.8	50.0
9.562000	25.1	GND	N	9.9	24.9	50.0
11.190000	25.0	GND	N	9.9	25.0	50.0
12.858000	21.3	GND	N	9.9	28.7	50.0

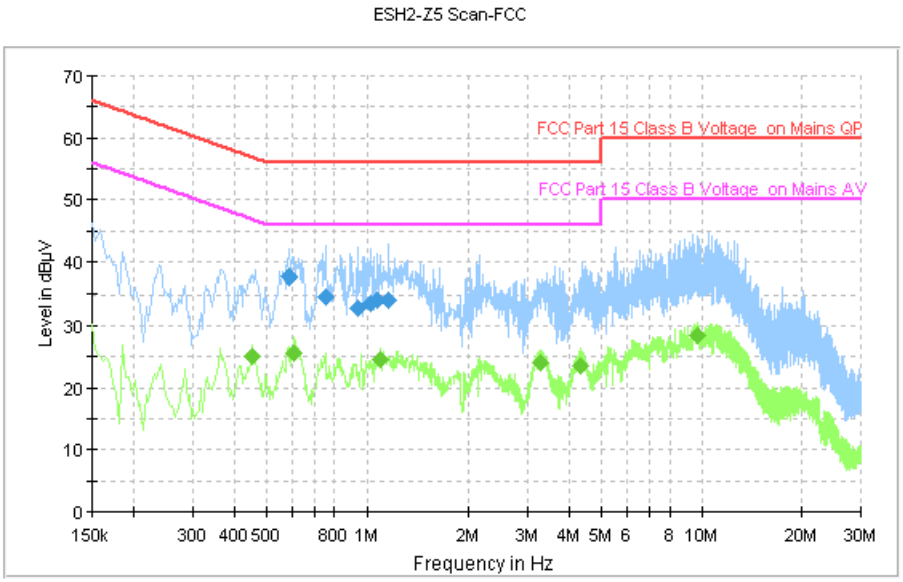

Fig. 116 AC Power line Conducted Emission (Idle, AE2)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.582000	37.6	GND	N	9.6	18.4	56.0
0.750000	34.7	GND	N	9.6	21.3	56.0
0.946000	32.9	GND	N	9.6	23.1	56.0
1.026000	33.5	GND	N	9.5	22.5	56.0
1.078000	34.0	GND	N	9.6	22.0	56.0
1.162000	34.0	GND	N	9.5	22.0	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.454000	25.2	GND	N	9.7	21.6	46.8
0.606000	25.5	GND	N	9.6	20.5	46.0
1.102000	24.6	GND	N	9.6	21.4	46.0
3.290000	24.1	GND	N	9.6	21.9	46.0
4.342000	23.6	GND	N	9.6	22.4	46.0
9.710000	28.5	GND	N	9.9	21.5	50.0

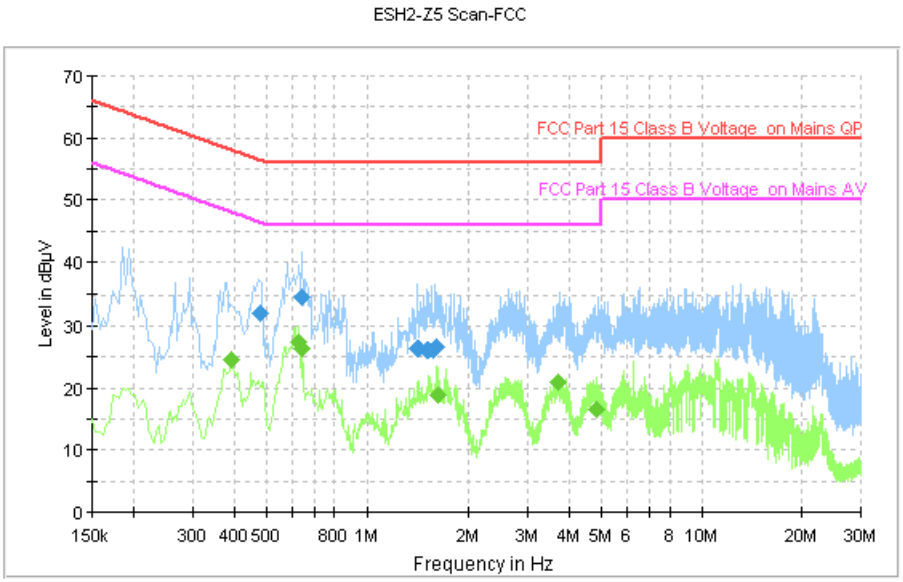

Fig. 117 AC Powerline Conducted Emission (Traffic, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.478000	32.0	GND	N	9.7	24.4	56.4
0.642000	34.6	GND	N	9.6	21.4	56.0
1.422000	26.3	GND	N	9.5	29.7	56.0
1.506000	26.2	GND	N	9.6	29.8	56.0
1.562000	26.0	GND	N	9.6	30.0	56.0
1.602000	26.6	GND	N	9.6	29.4	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.394000	24.7	GND	N	9.6	23.3	48.0
0.622000	27.4	GND	N	9.6	18.6	46.0
0.642000	26.2	GND	N	9.6	19.8	46.0
1.618000	18.9	GND	N	9.6	27.1	46.0
3.694000	21.0	GND	N	9.6	25.0	46.0
4.862000	16.5	GND	N	9.6	29.5	46.0

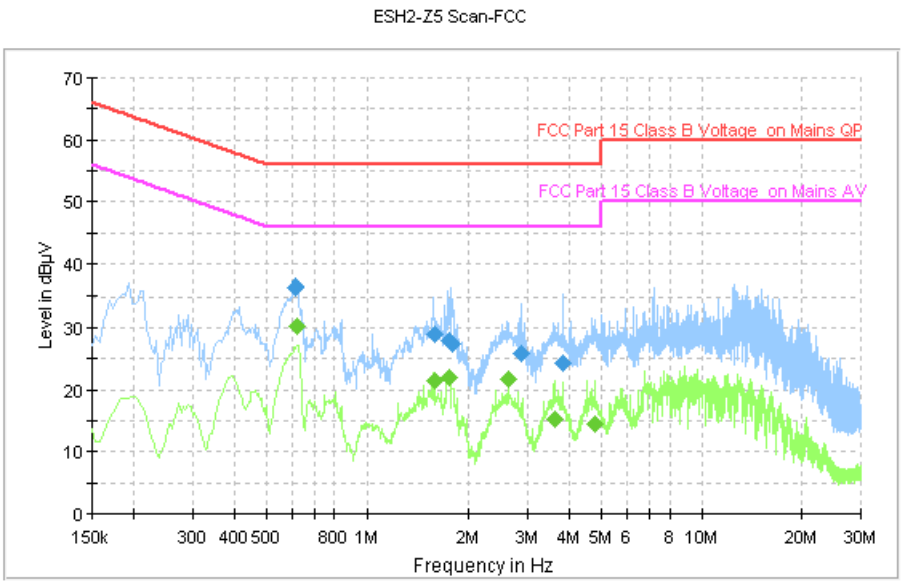

Fig. 118 AC Power line Conducted Emission (Idle, AE3)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.610000	36.5	GND	N	9.6	19.5	56.0
1.590000	28.9	GND	N	9.6	27.1	56.0
1.746000	27.8	GND	N	9.6	28.2	56.0
1.794000	27.4	GND	N	9.6	28.6	56.0
2.878000	25.8	GND	N	9.6	30.2	56.0
3.830000	24.3	GND	N	9.6	31.7	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.618000	30.3	GND	N	9.6	15.7	46.0
1.590000	21.4	GND	N	9.6	24.6	46.0
1.746000	21.9	GND	N	9.6	24.1	46.0
2.642000	21.7	GND	N	9.6	24.4	46.0
3.634000	15.2	GND	N	9.6	30.8	46.0
4.762000	14.4	GND	N	9.6	31.6	46.0

ANNEX C: Persons involved in this testing

Test Name	Tester
Maximum Peak Output Power	An Ran, Tang Weisheng
Band Edges Compliance	An Ran, Tang Weisheng
Conducted Spurious Emission	An Ran, Tang Weisheng
Radiated Spurious Emission	An Ran, Tang Weisheng
Occupied 20dB bandwidth	An Ran, Tang Weisheng
Time of Occupancy(Dwell Time)	An Ran, Tang Weisheng
Number of Hopping Channel	An Ran, Tang Weisheng
Carrier Frequency Separation	An Ran, Tang Weisheng
AC Powerline Conducted Emission	An Ran, Tang Weisheng

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