

Fig. 51 Conducted Spurious Emission (8DPSK, Ch39, 30 MHz-1 GHz)

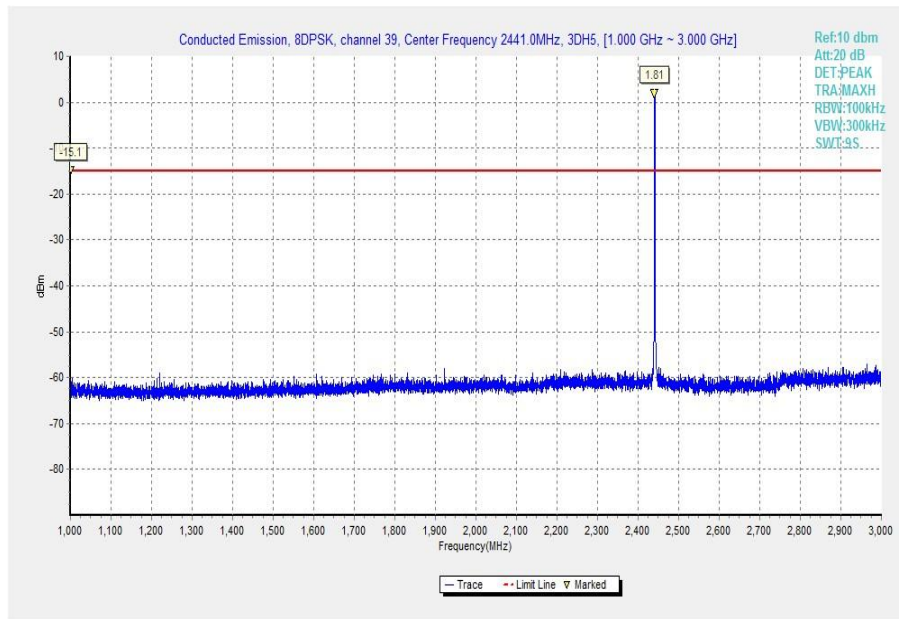


Fig. 52 Conducted Spurious Emission (8DPSK, Ch39, 1GHz-3 GHz)

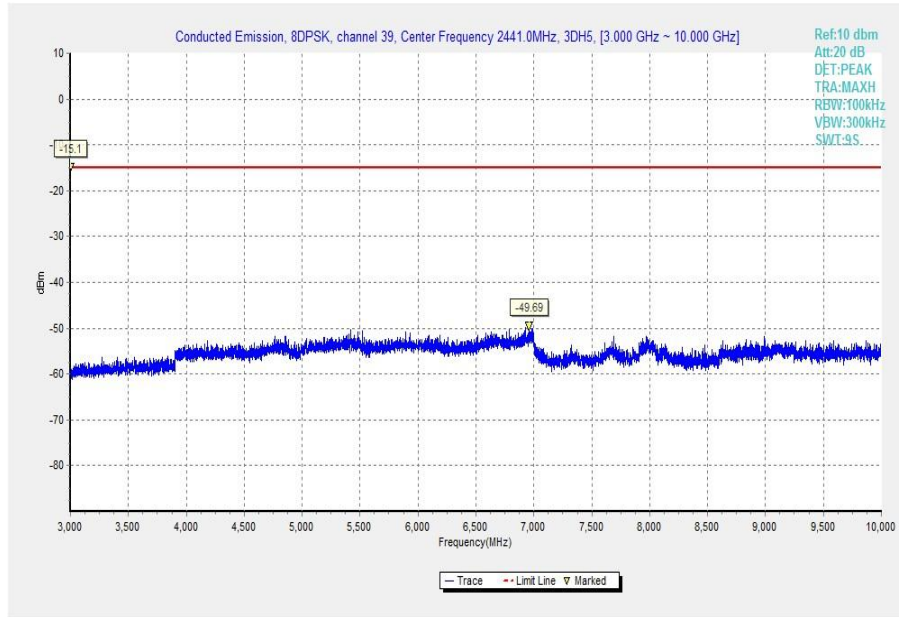


Fig. 53 Conducted Spurious Emission (8DPSK, Ch39, 3GHz-10 GHz)

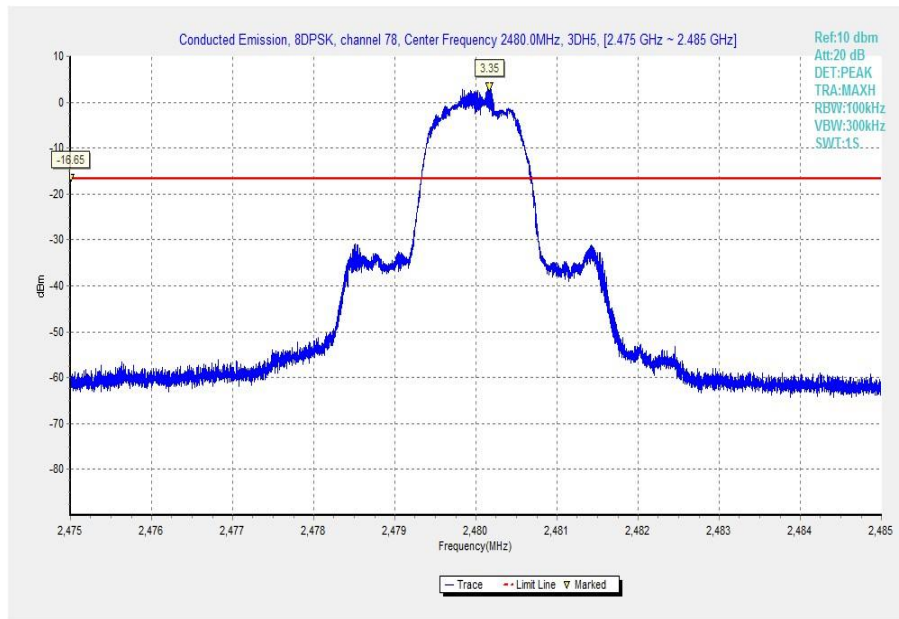


Fig. 54 Conducted Spurious Emission (8DPSK, Ch78, 2.480GHz)

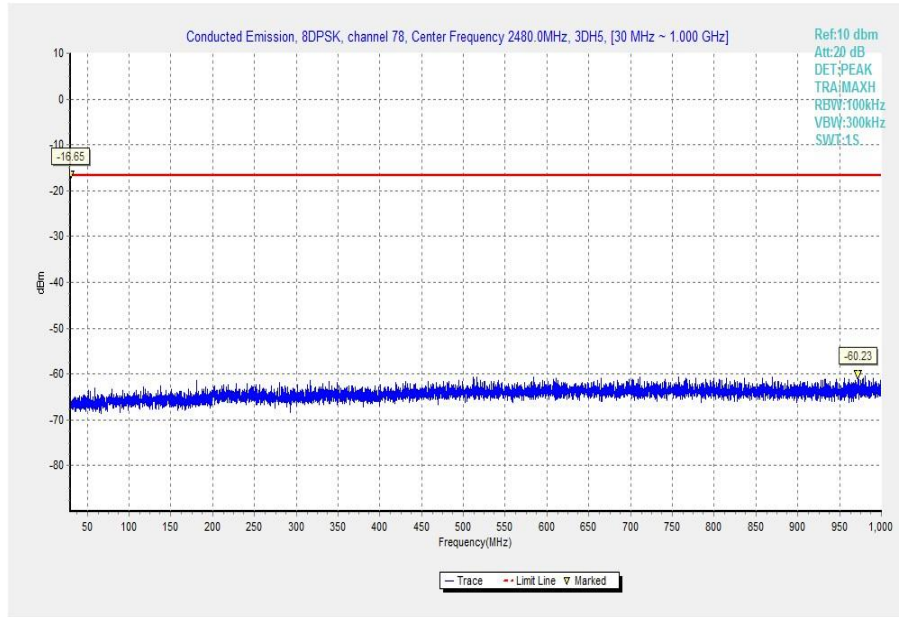


Fig. 55 Conducted Spurious Emission (8DPSK, Ch78, 30 MHz-1 GHz)

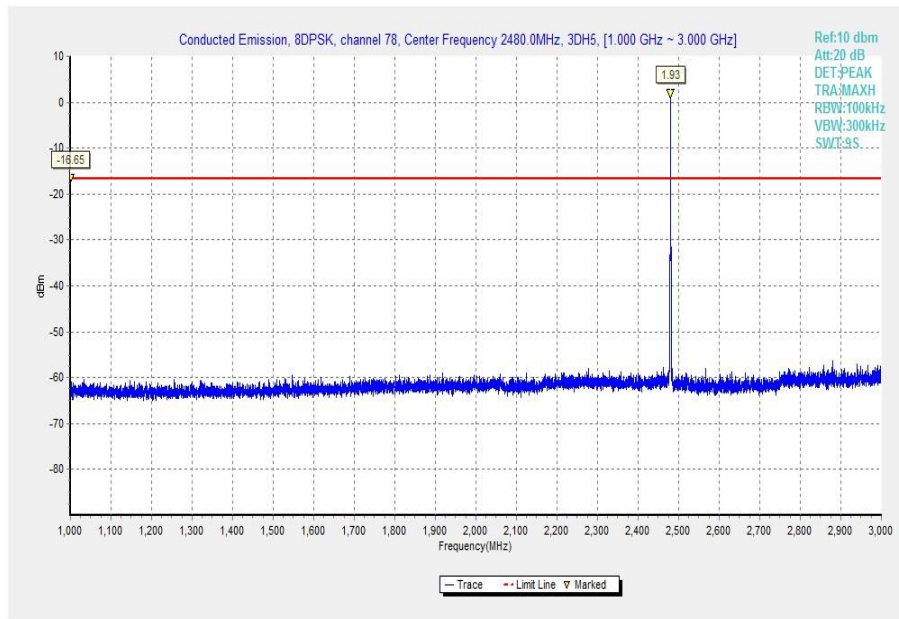


Fig. 56 Conducted Spurious Emission (8DPSK, Ch78, 1GHz-3 GHz)

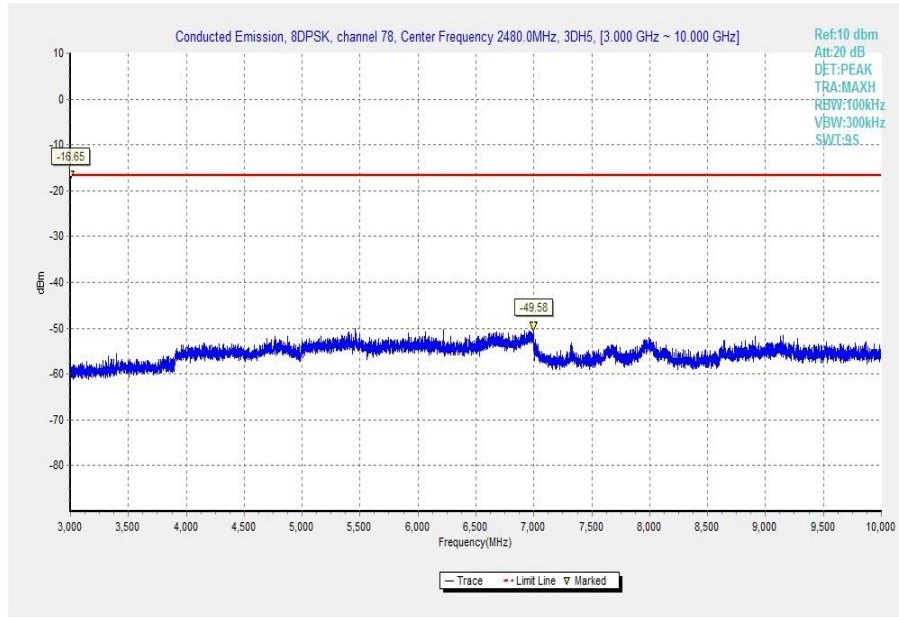


Fig. 57 Conducted Spurious Emission (8DPSK, Ch78, 3GHz-10 GHz)

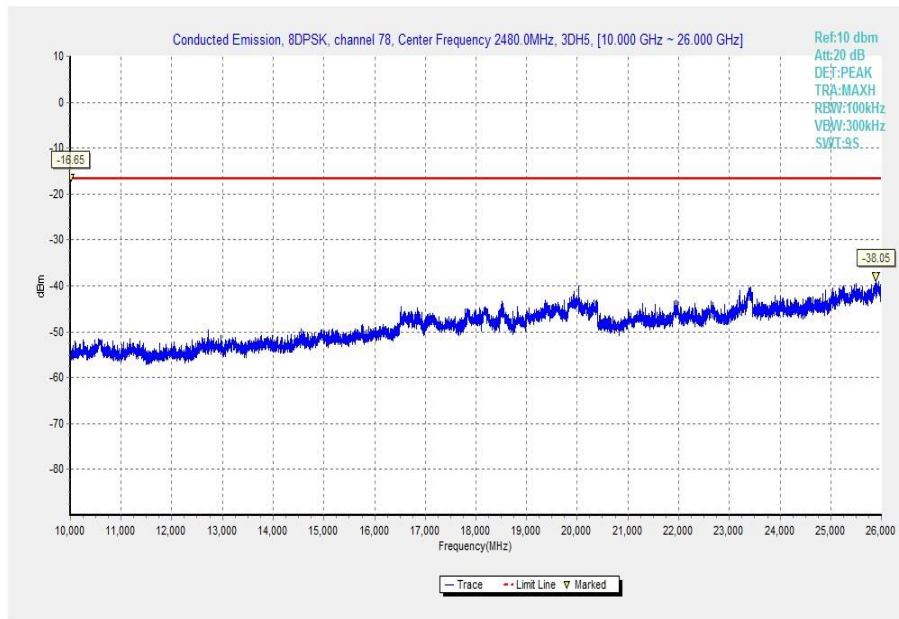


Fig. 58 Conducted Spurious Emission (All channel, 10 GHz-26 GHz)

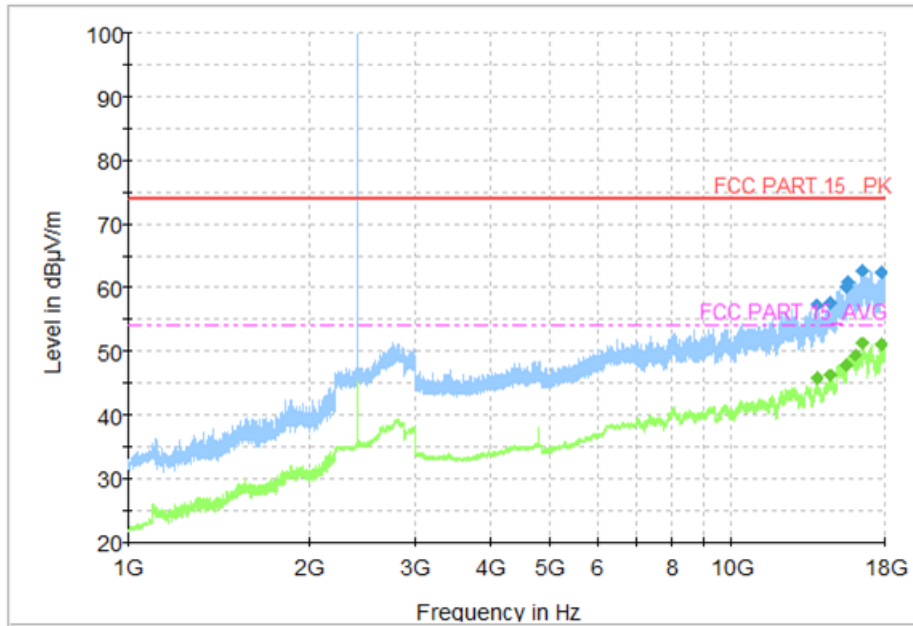


Fig. 59 Radiated Spurious Emission (GFSK, Ch0, 1 GHz ~18 GHz)

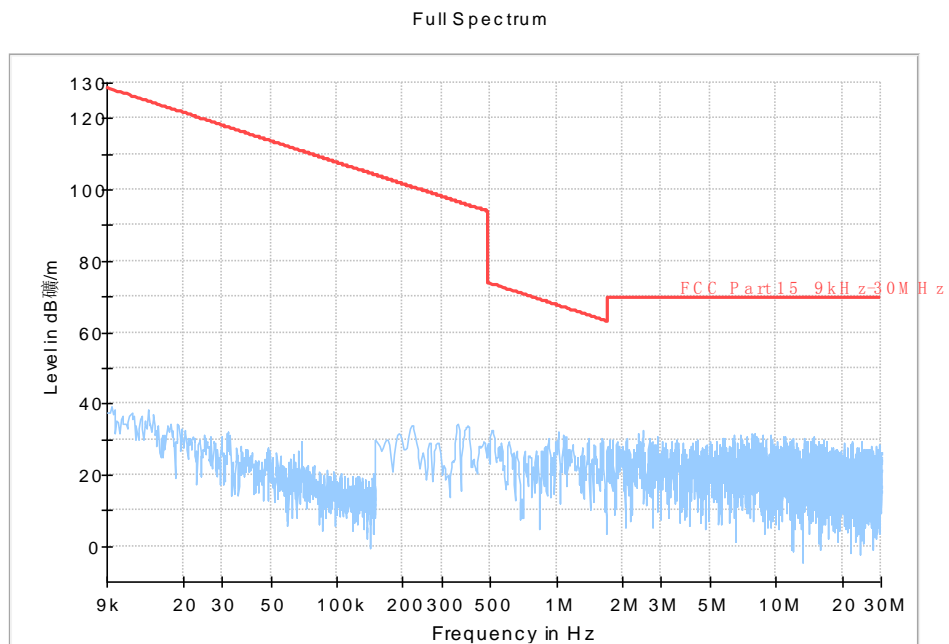


Fig. 60 Radiated Spurious Emission (GFSK, Ch39, 9 kHz ~30 MHz)

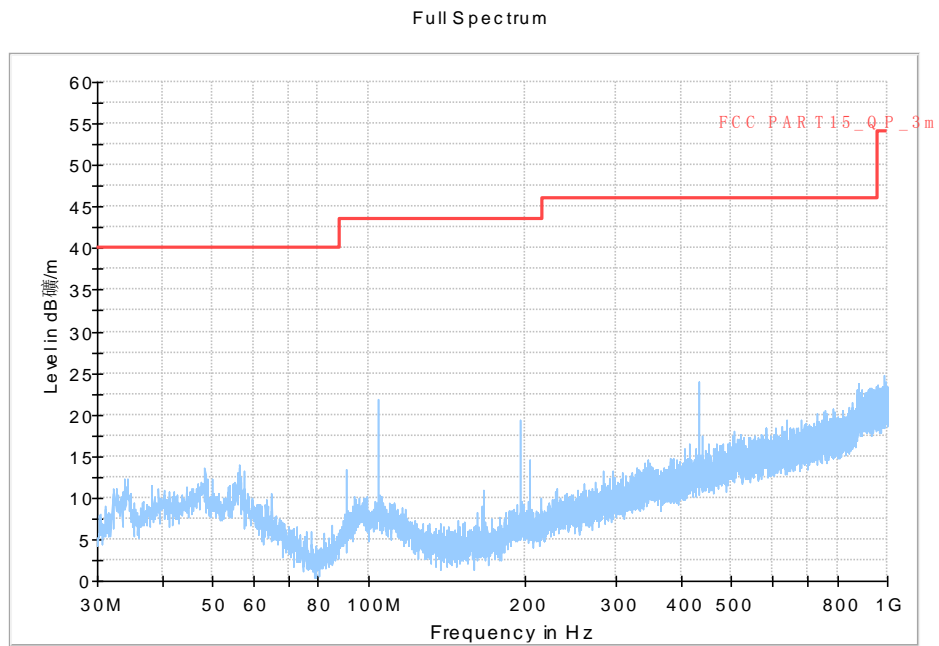


Fig. 61 Radiated Spurious Emission (GFSK, Ch39, 30 MHz ~1 GHz)

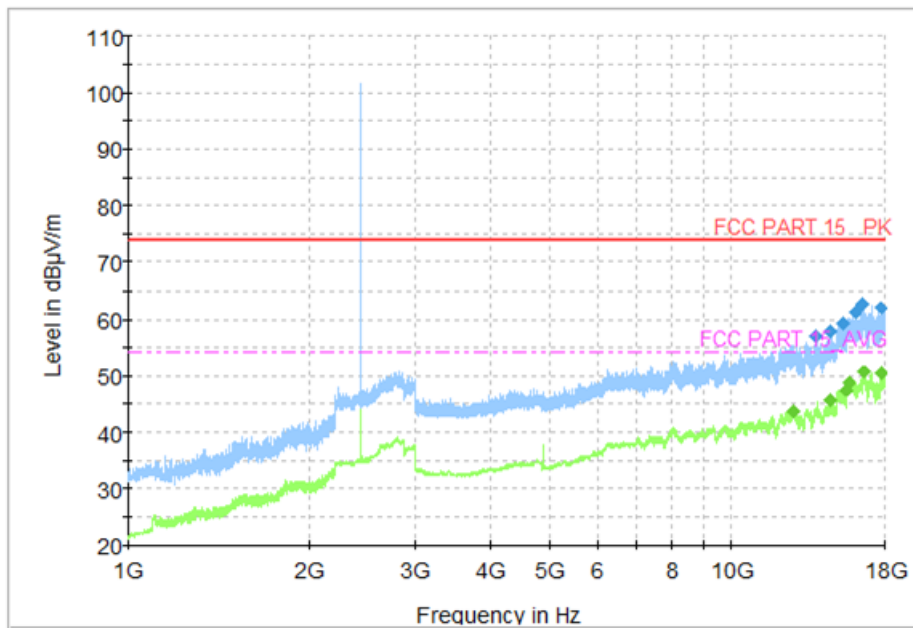


Fig. 62 Radiated Spurious Emission (GFSK, Ch39, 1 GHz ~18 GHz)

Full Spectrum

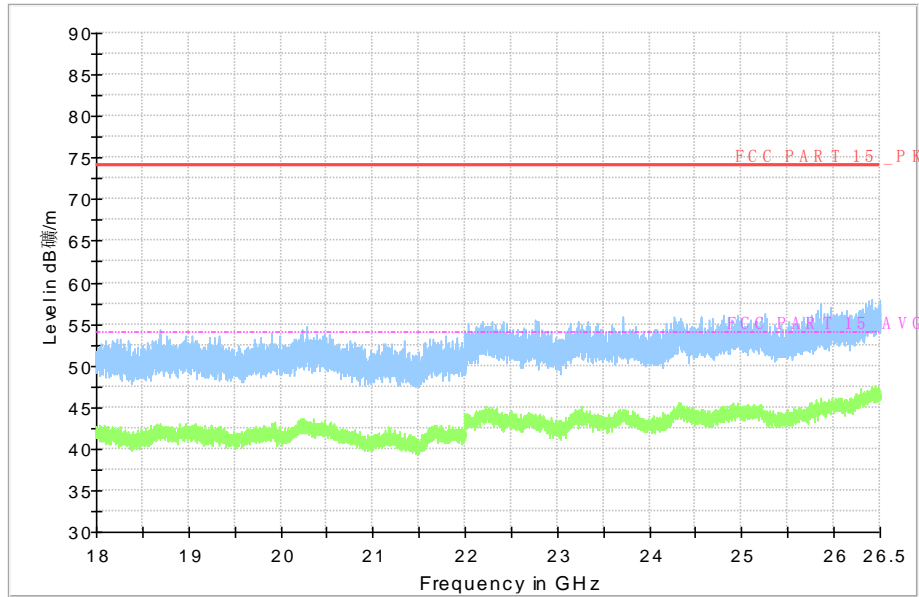


Fig. 63 Radiated Spurious Emission (GFSK, Ch39, 18 GHz ~26.5 GHz)

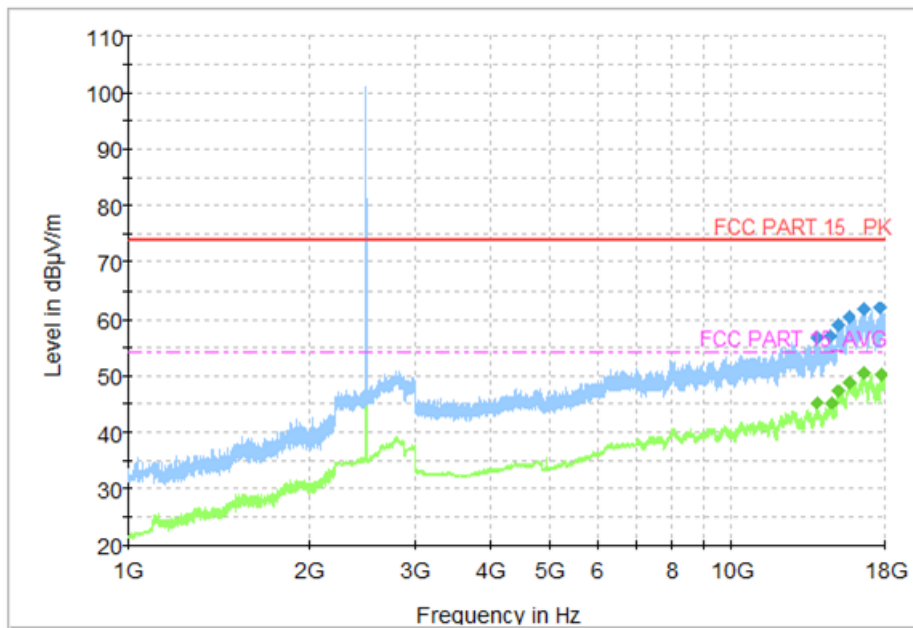


Fig. 64 Radiated Spurious Emission (GFSK, Ch78, 1 GHz ~18 GHz)

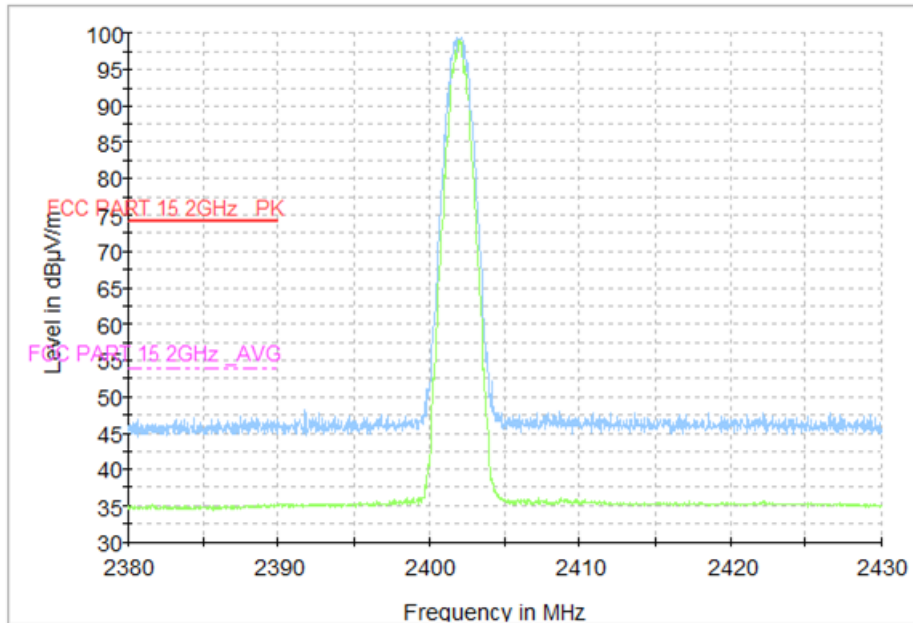


Fig. 65 Radiated Emission Power (GFSK, Ch0, 2380GHz~2450GHz)

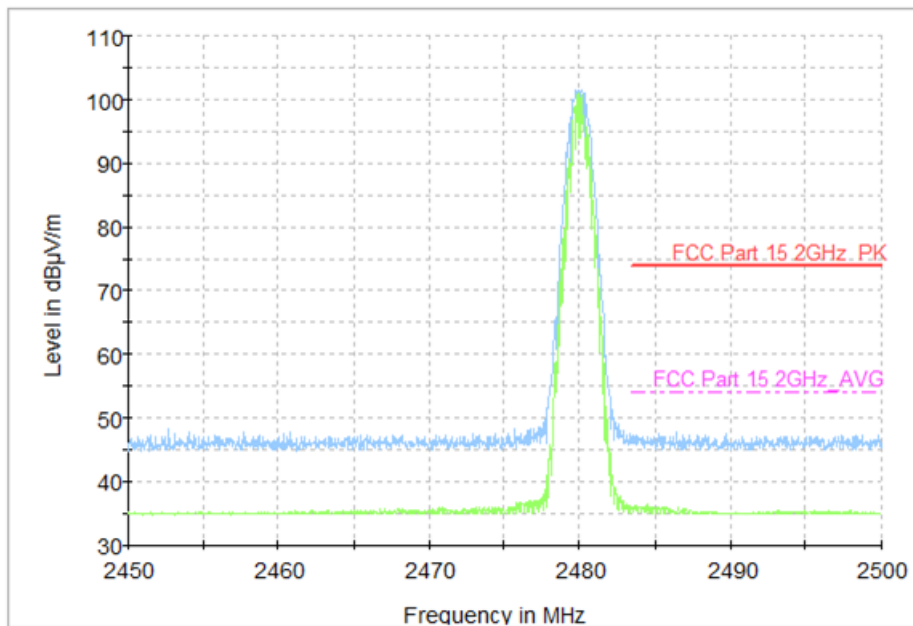


Fig. 66 Radiated Emission Power (GFSK, Ch78, 2450GHz~2500GHz)

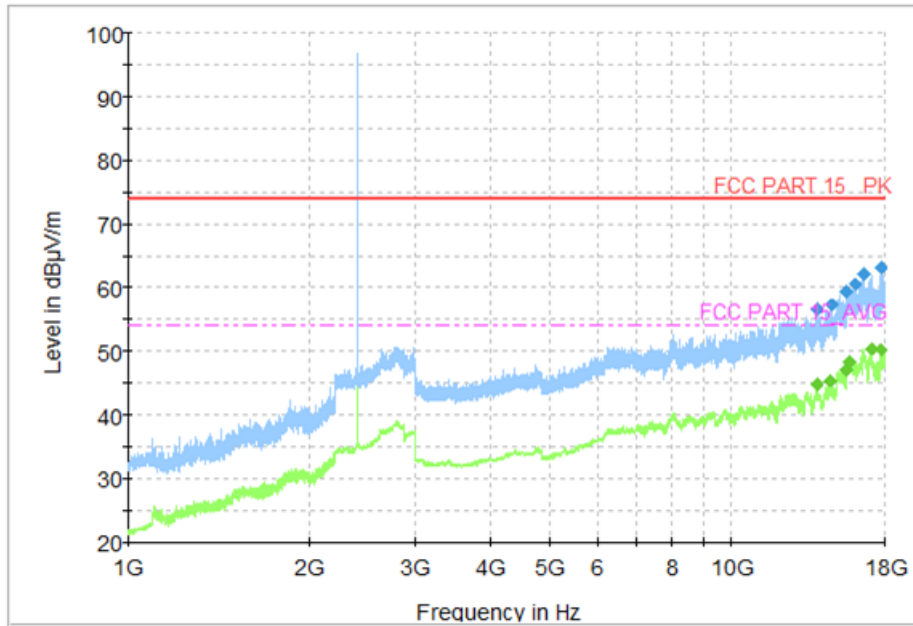


Fig. 67 Radiated Spurious Emission ($\pi/4$ DQPSK, Ch0, 1 GHz ~18 GHz)

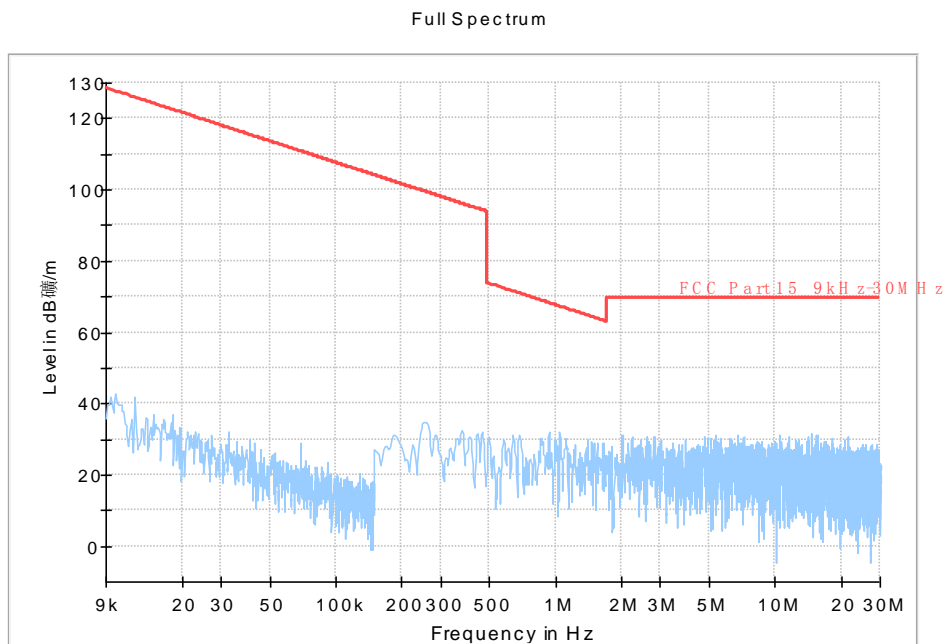


Fig. 68 Radiated Spurious Emission ($\pi/4$ DQPSK, Ch39, 9 kHz ~30 MHz)

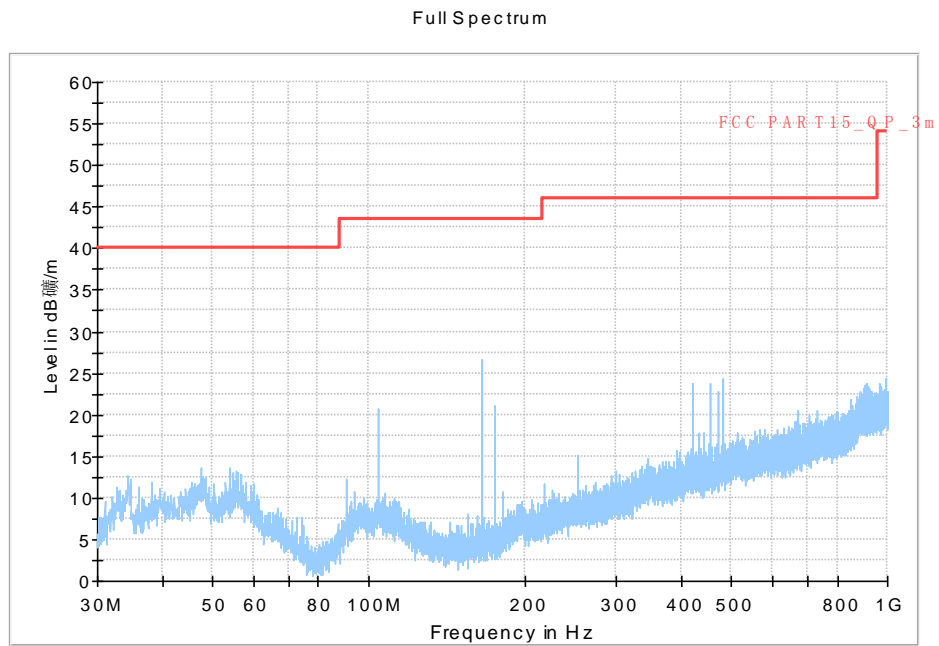


Fig. 69 Radiated Spurious Emission ($\pi/4$ DQPSK, Ch39, 30 MHz ~1 GHz)

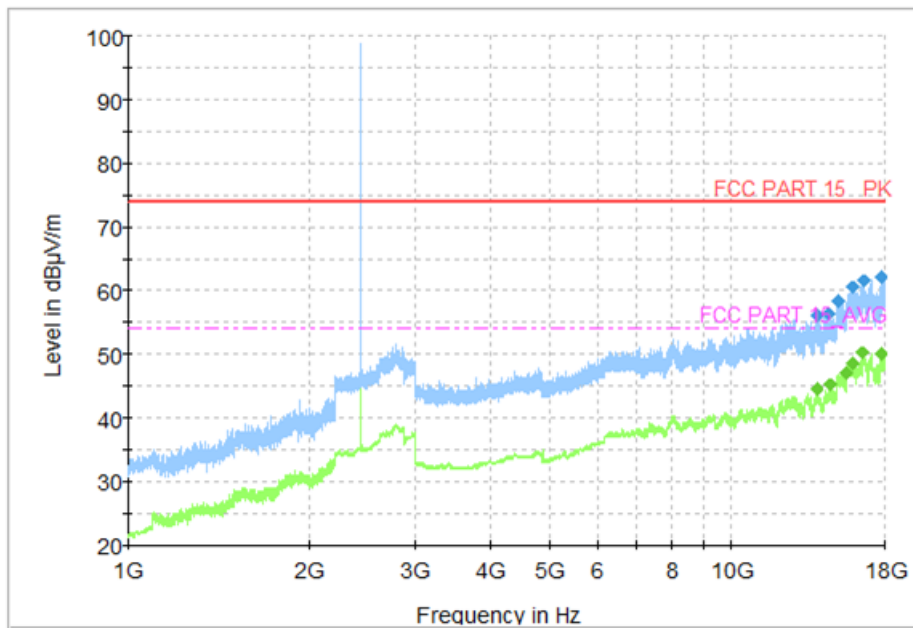


Fig. 70 Radiated Spurious Emission ($\pi/4$ DQPSK, Ch39, 1 GHz ~18 GHz)

Full Spectrum

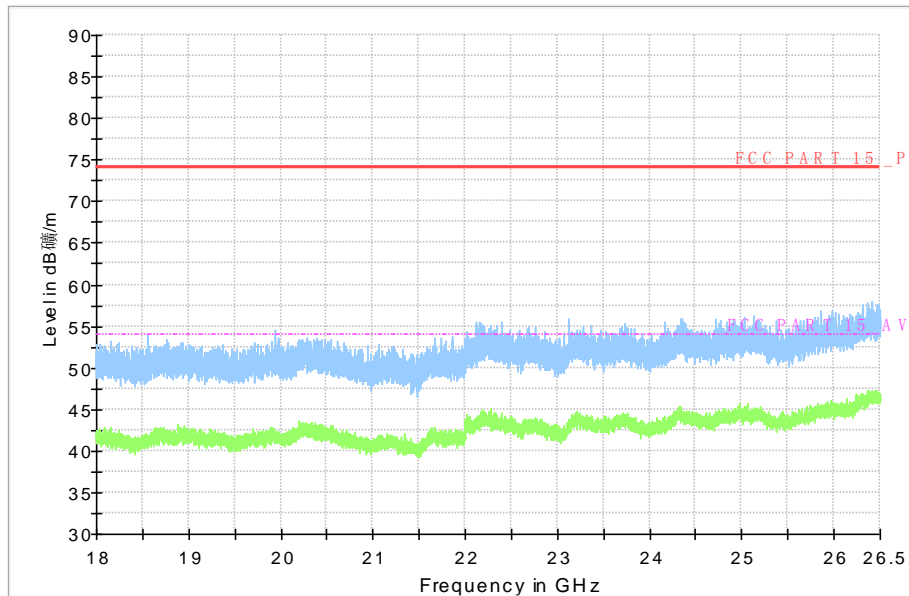


Fig. 71 Radiated Spurious Emission ($\pi/4$ DQPSK, Ch39, 18 GHz ~26.5 GHz)

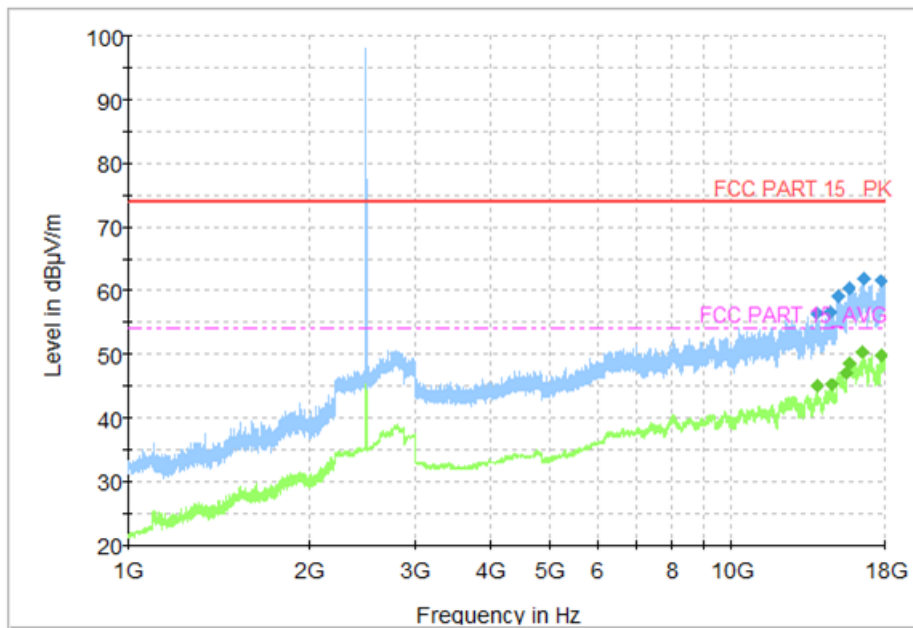


Fig. 72 Radiated Spurious Emission ($\pi/4$ DQPSK, Ch78, 1 GHz ~18 GHz)

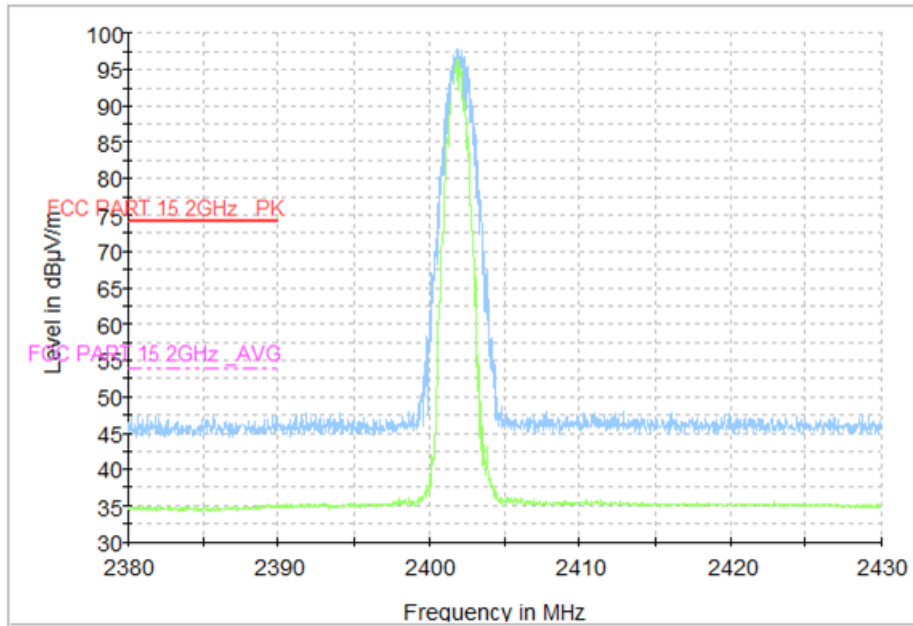


Fig. 73 Radiated Emission Power ($\pi/4$ DQPSK, Ch0, 2380GHz~2450GHz)

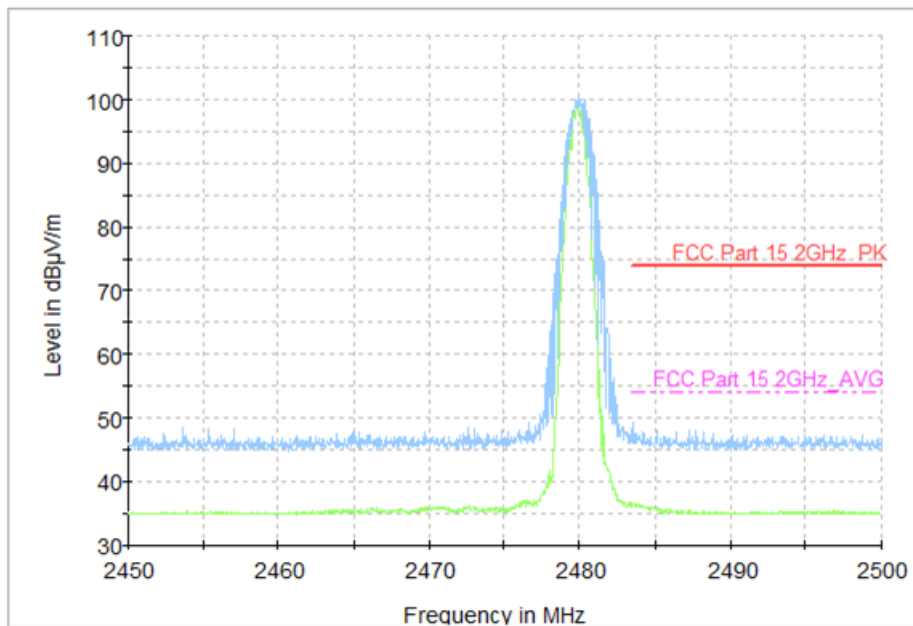


Fig. 74 Radiated Emission Power ($\pi/4$ DQPSK, Ch78, 2450GHz~2500GHz)

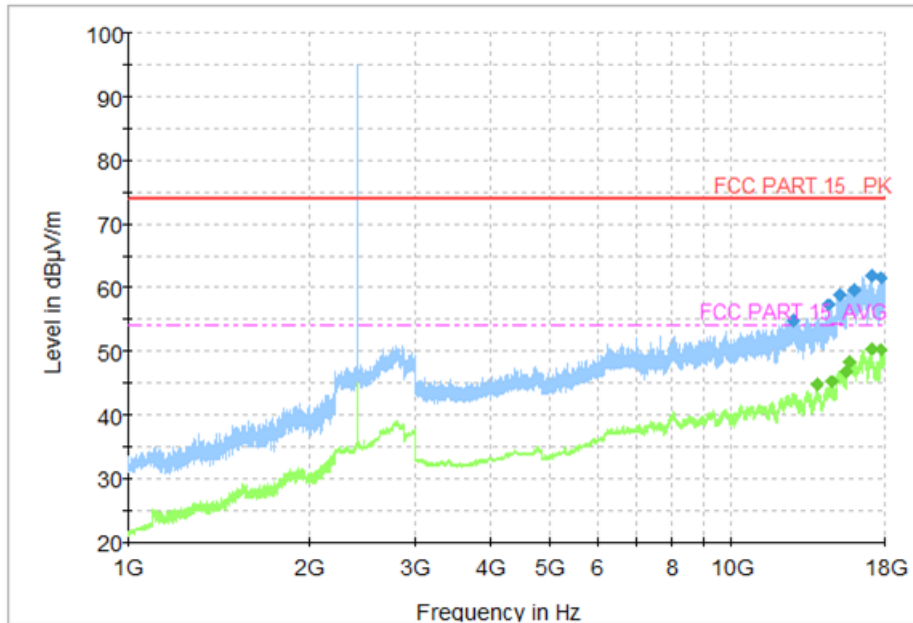


Fig. 75 Radiated Spurious Emission (8DPSK, Ch0, 1 GHz ~18 GHz)

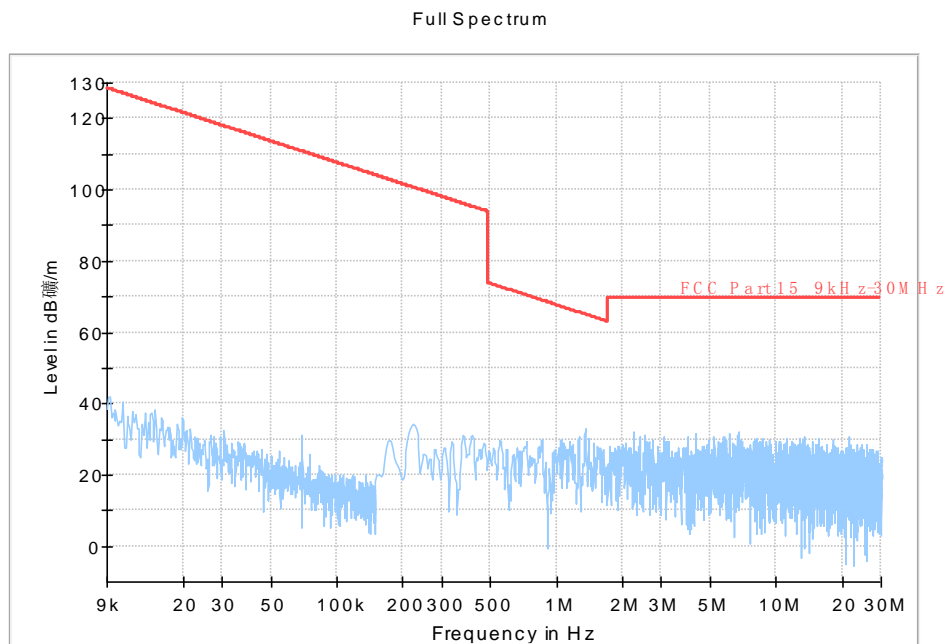


Fig. 76 Radiated Spurious Emission (8DPSK, Ch39, 9 kHz ~30 MHz)

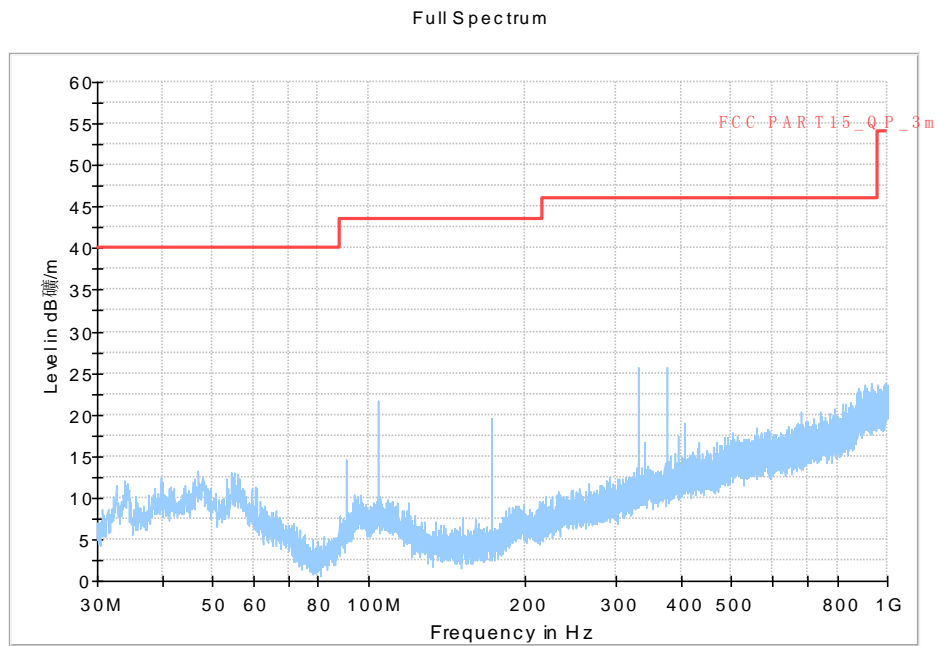


Fig. 77 Radiated Spurious Emission (8DPSK, Ch39, 30 MHz ~1 GHz)

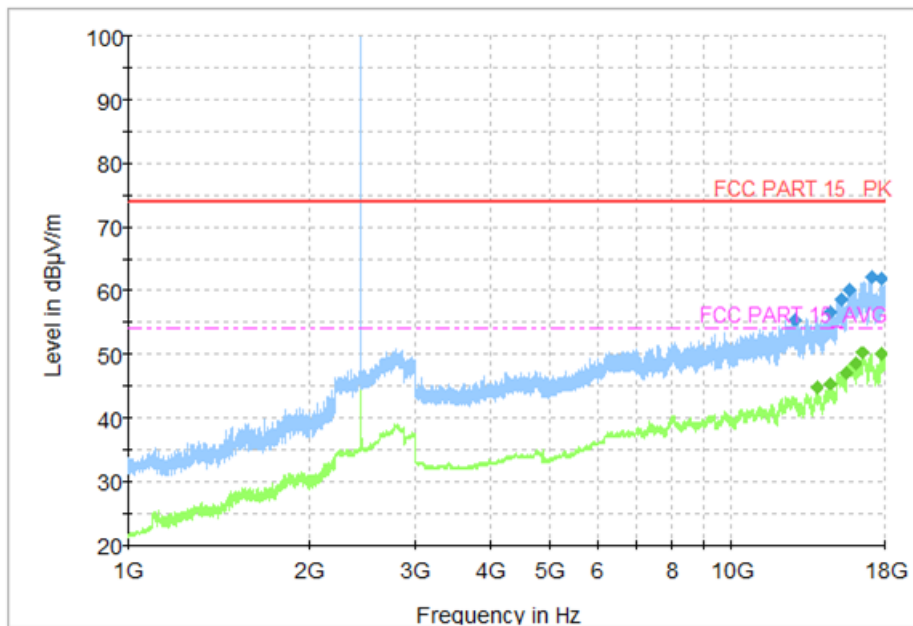


Fig. 78 Radiated Spurious Emission (8DPSK, Ch39, 1 GHz ~18 GHz)

Full Spectrum

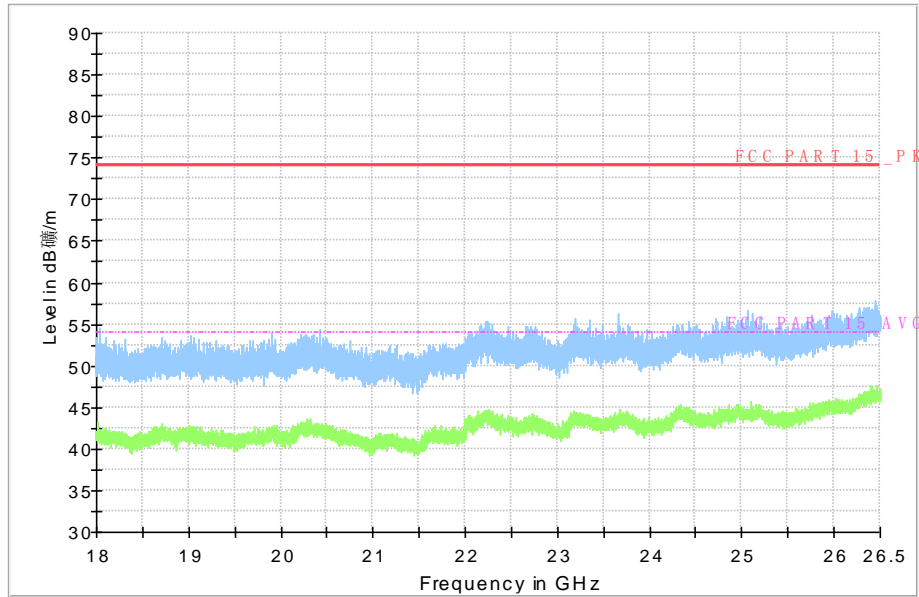


Fig. 79 Radiated Spurious Emission (8DPSK, Ch39, 18 GHz ~26.5 GHz)

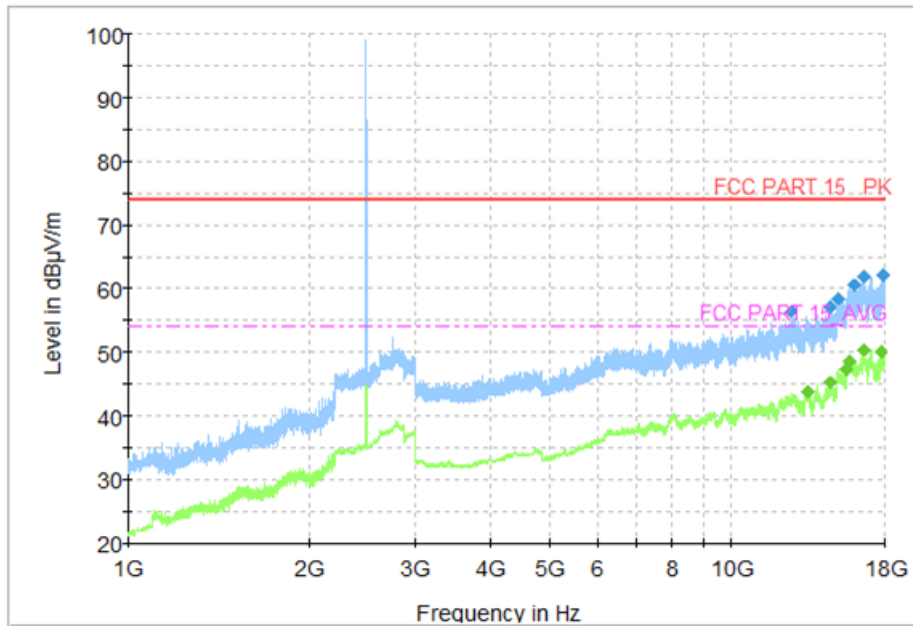


Fig. 80 Radiated Spurious Emission (8DPSK, Ch78, 1 GHz ~18 GHz)

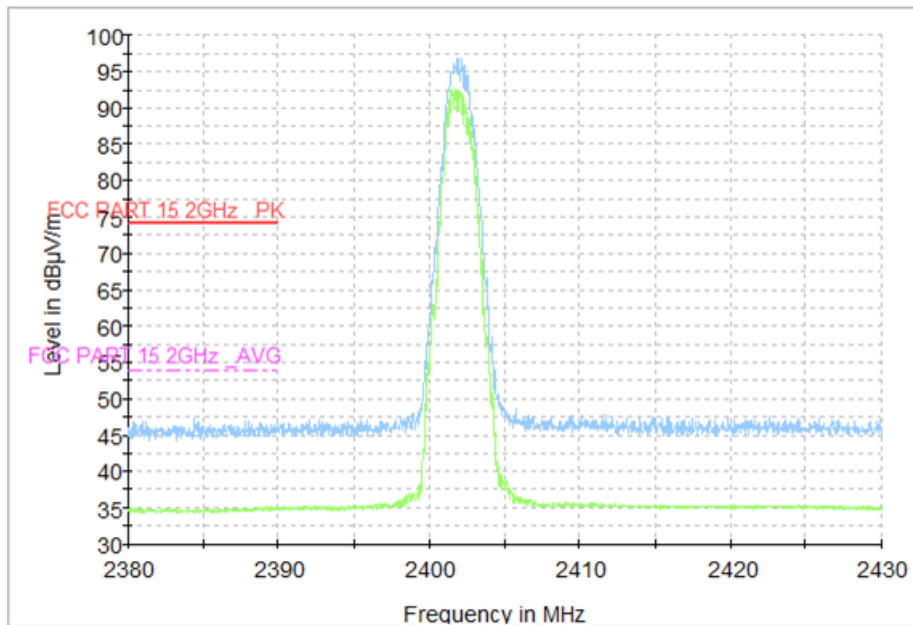


Fig. 81 Radiated Emission Power (8DPSK, Ch0, 2380GHz~2450GHz)

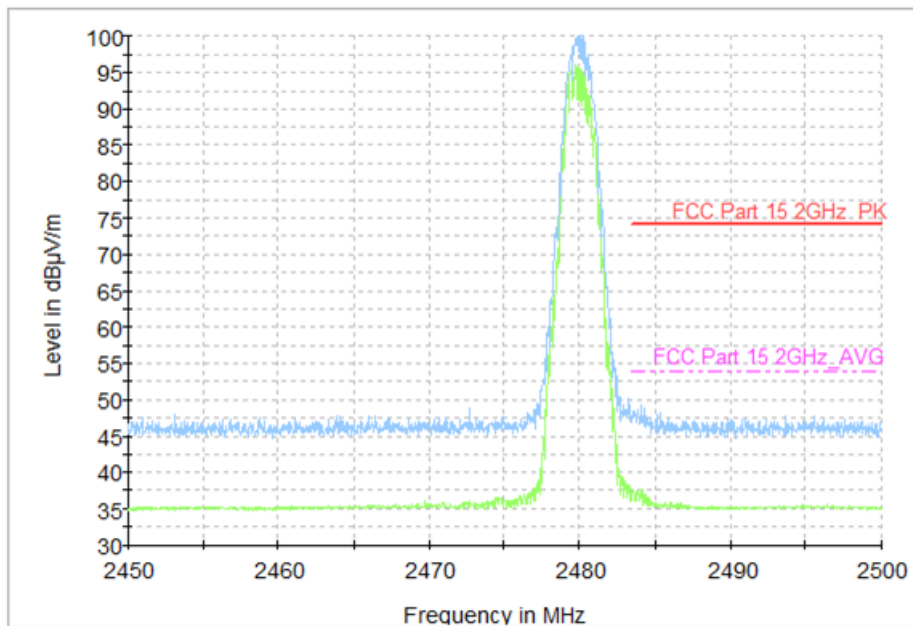


Fig. 82 Radiated Emission Power (8DPSK, Ch78, 2450GHz~2500GHz)

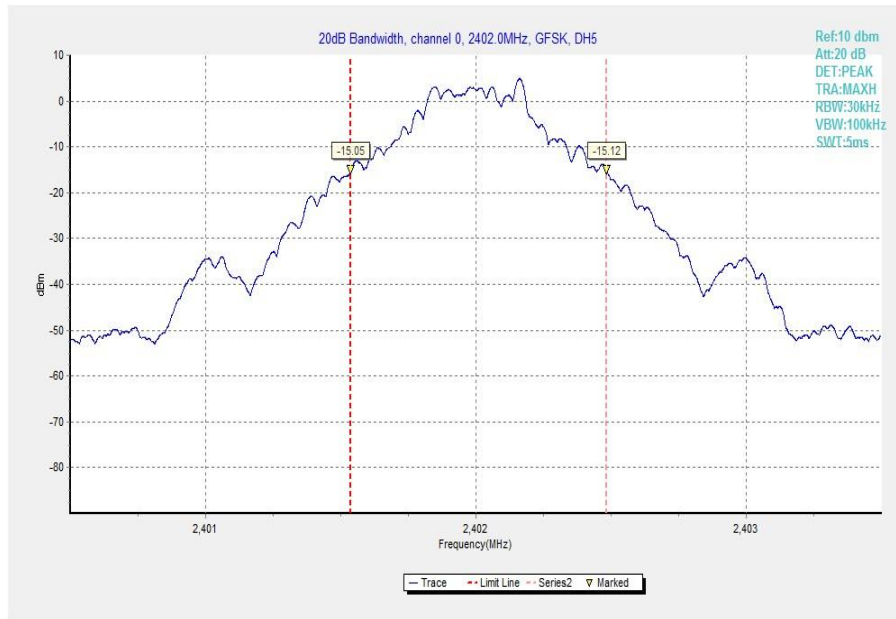


Fig. 83 Occupied 20dB Bandwidth (GFSK, Ch 0)

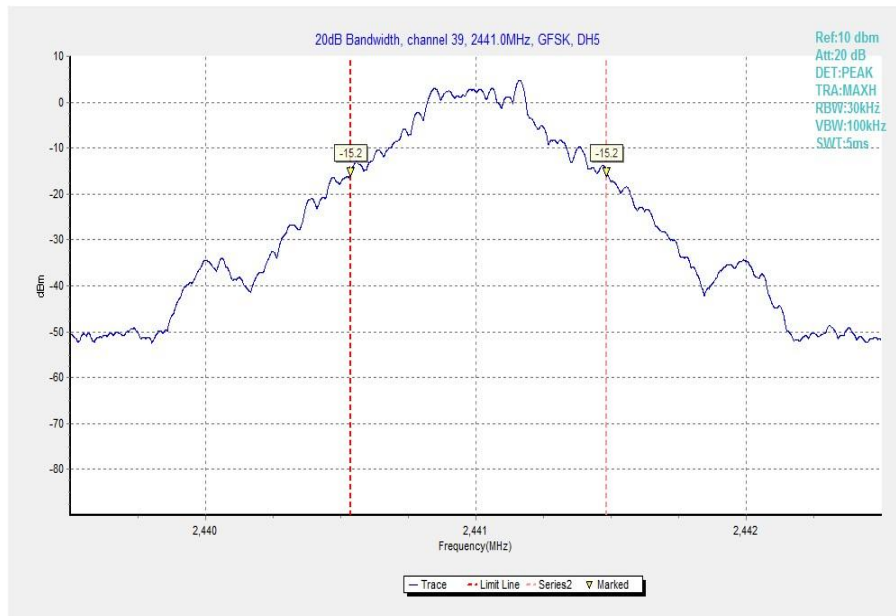


Fig. 84 Occupied 20dB Bandwidth (GFSK, Ch 39)

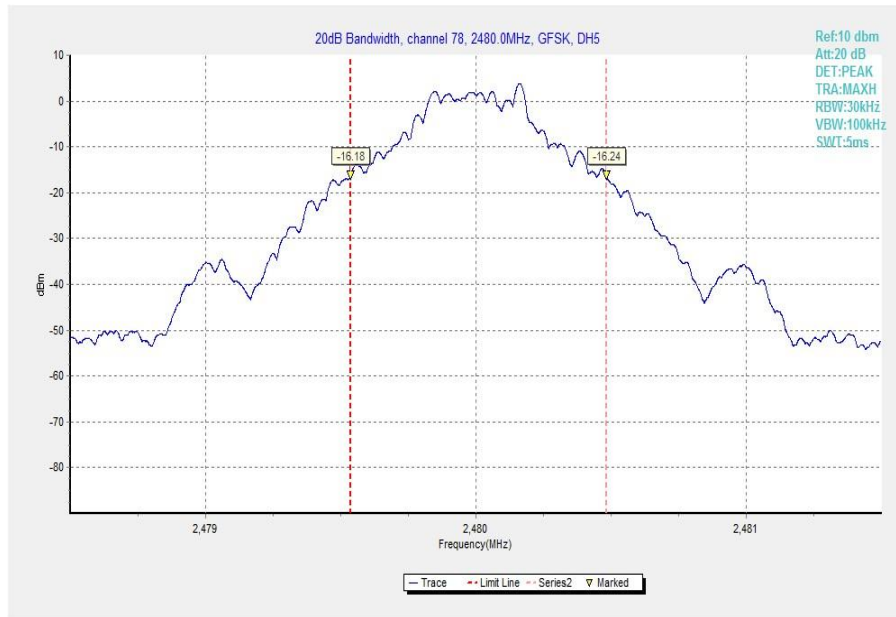


Fig. 85 Occupied 20dB Bandwidth (GFSK, Ch 78)

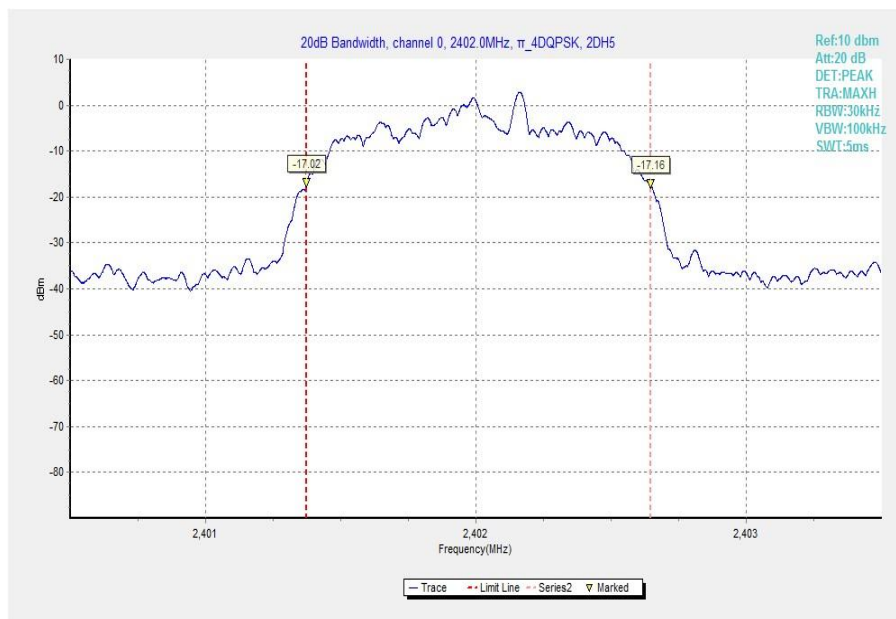


Fig. 86 Occupied 20dB Bandwidth (π /4 DQPSK, Ch 0)

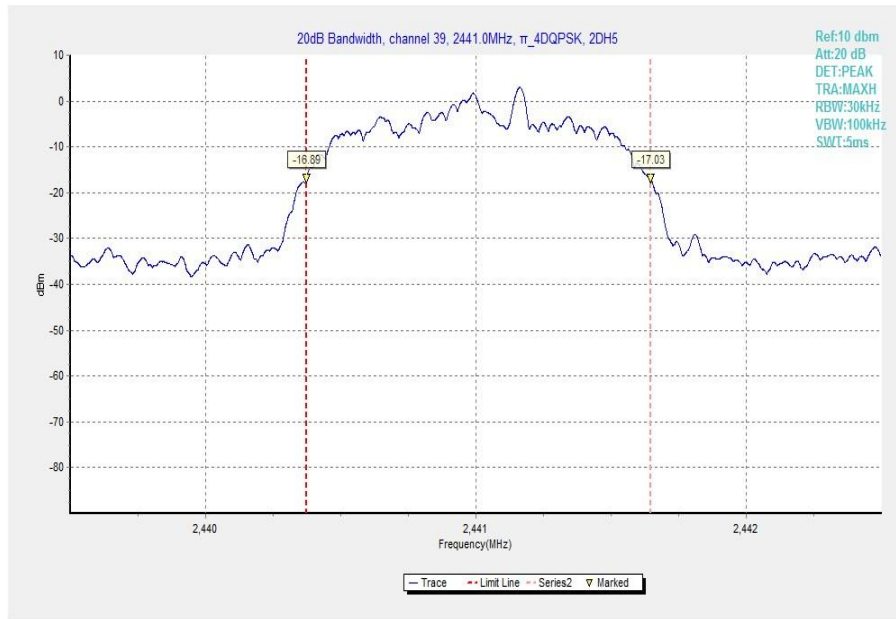


Fig. 87 Occupied 20dB Bandwidth (π /4 DQPSK, Ch 39)

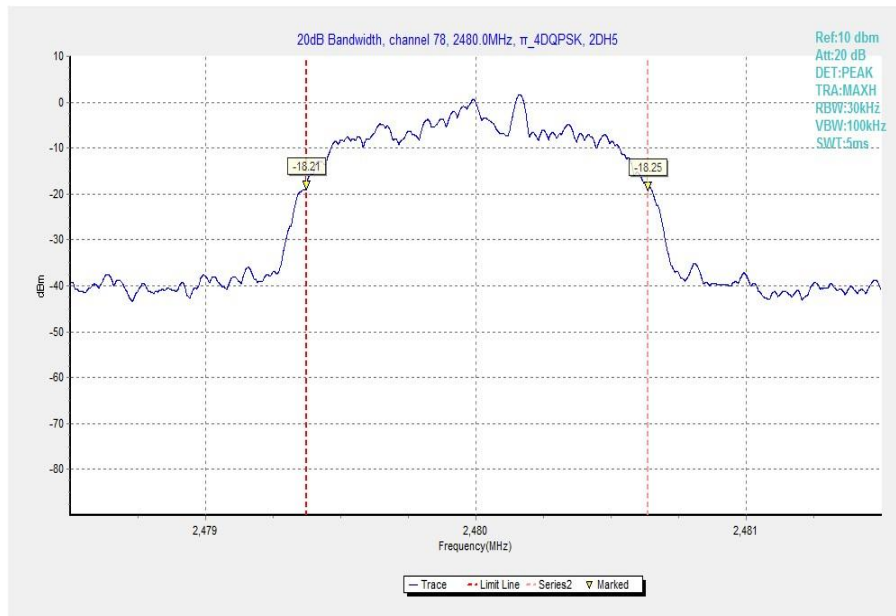


Fig. 88 Occupied 20dB Bandwidth (π /4 DQPSK, Ch 78)

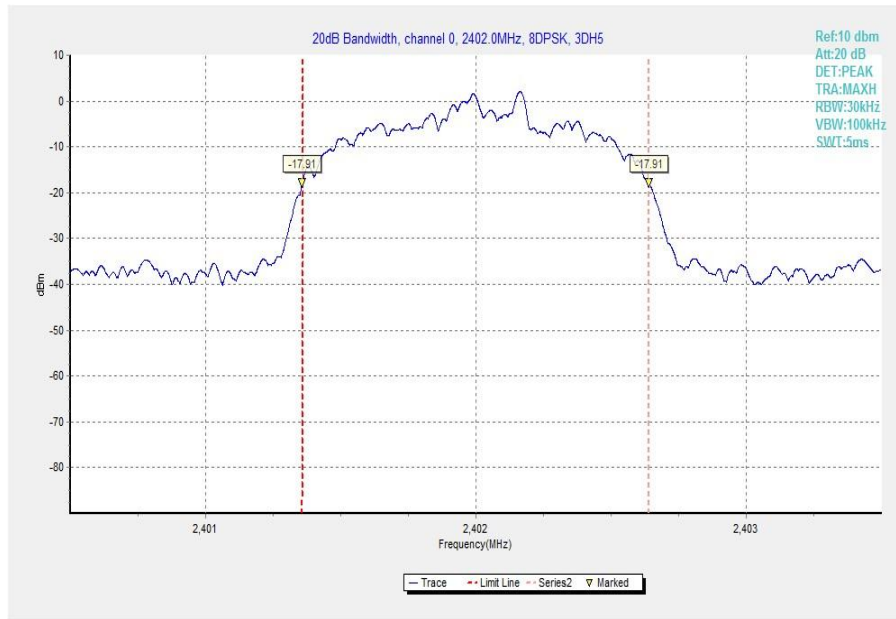


Fig. 89 Occupied 20dB Bandwidth (8DPSK, Ch 0)

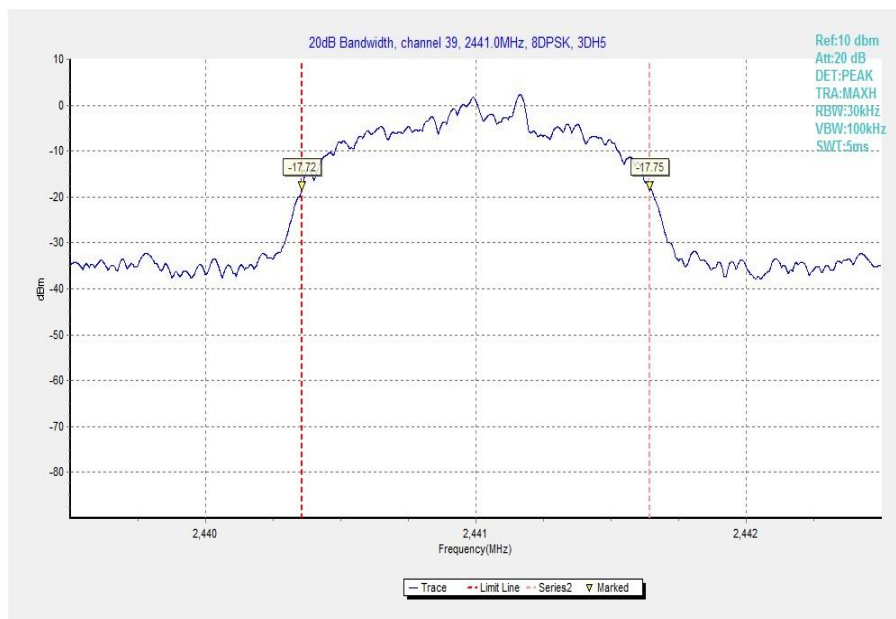


Fig. 90 Occupied 20dB Bandwidth (8DPSK, Ch 39)

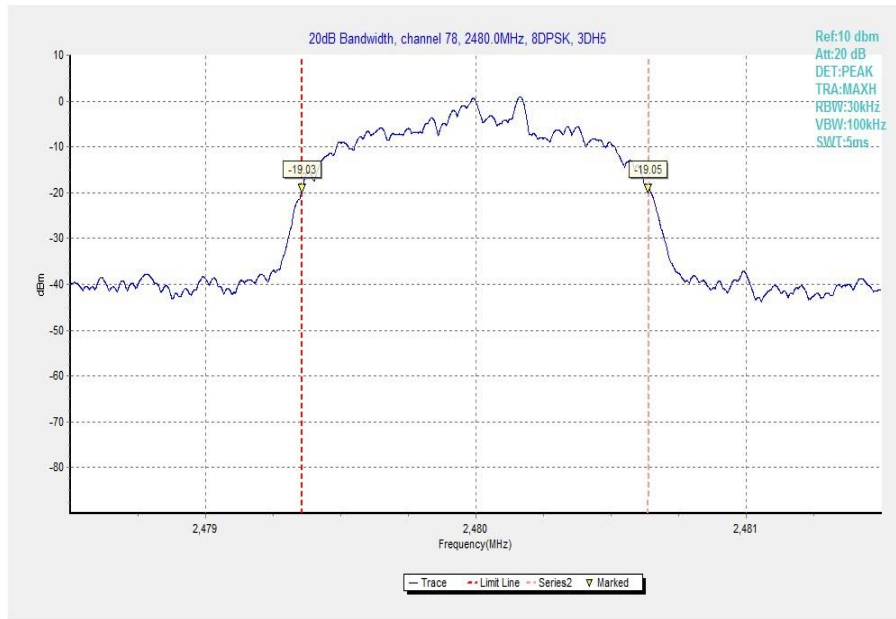


Fig. 91 Occupied 20dB Bandwidth (8DPSK, Ch 78)

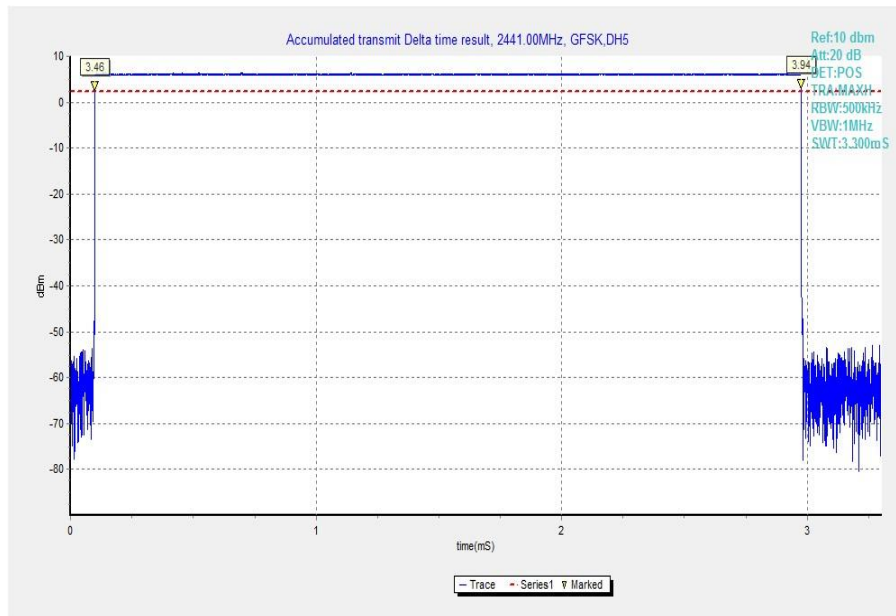


Fig. 92 Time of Occupancy(Dwell Time) (GFSK, Ch39)

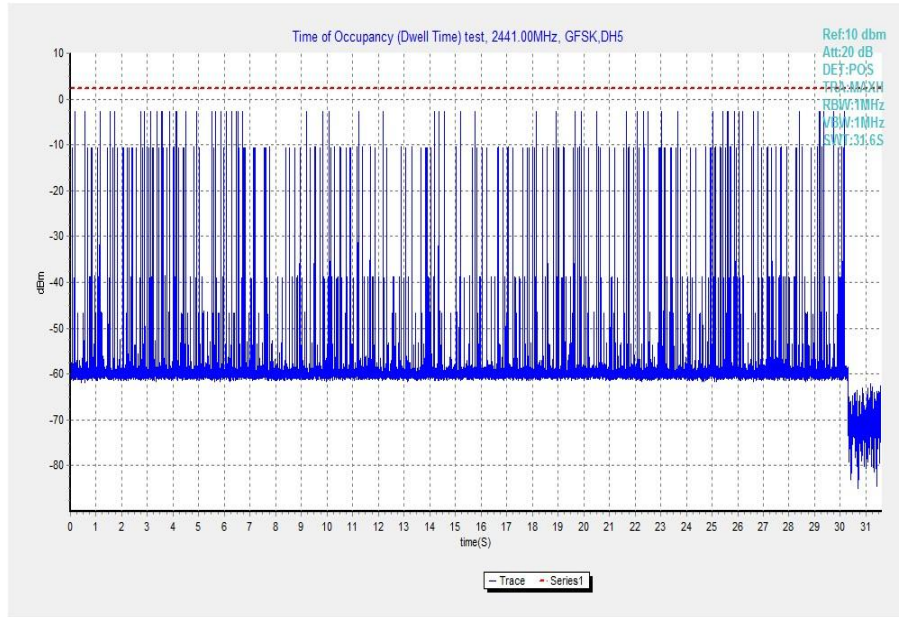


Fig. 93 Number of Transmissions (GFSK, Ch39)

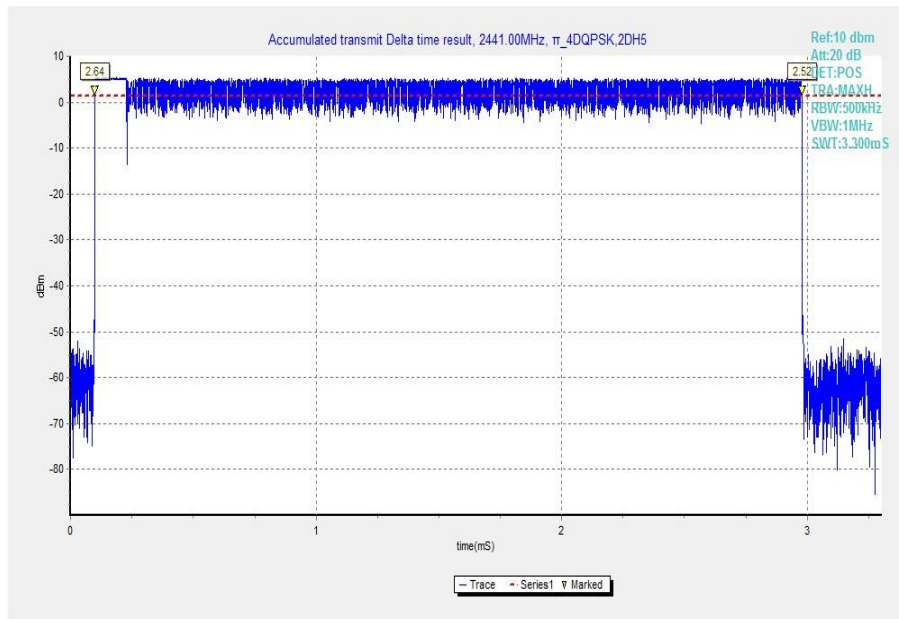


Fig. 94 Time of Occupancy(Dwell Time) ($\pi/4$ DQPSK, Ch39)

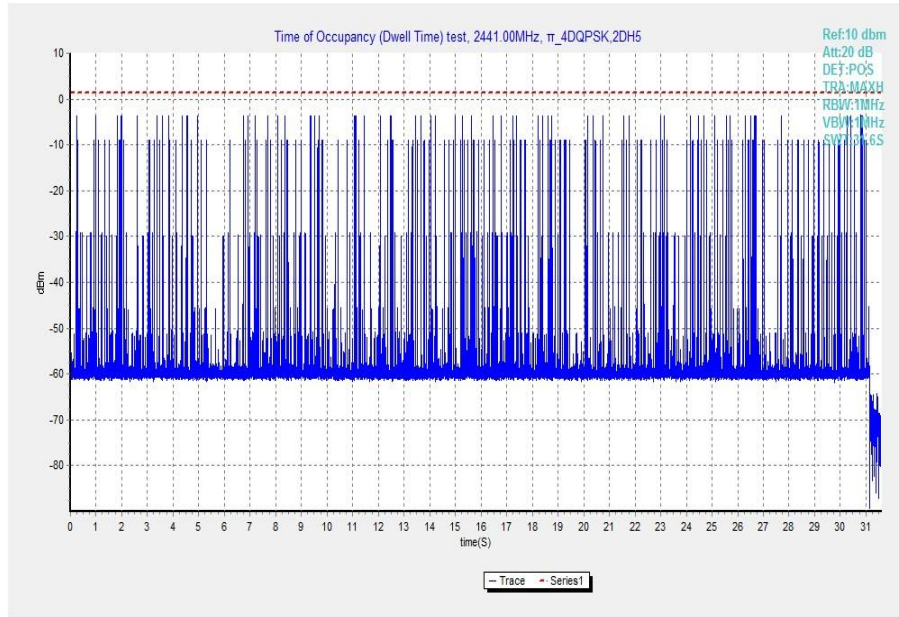


Fig. 95 Number of Transmissions (π /4 DQPSK, Ch39)

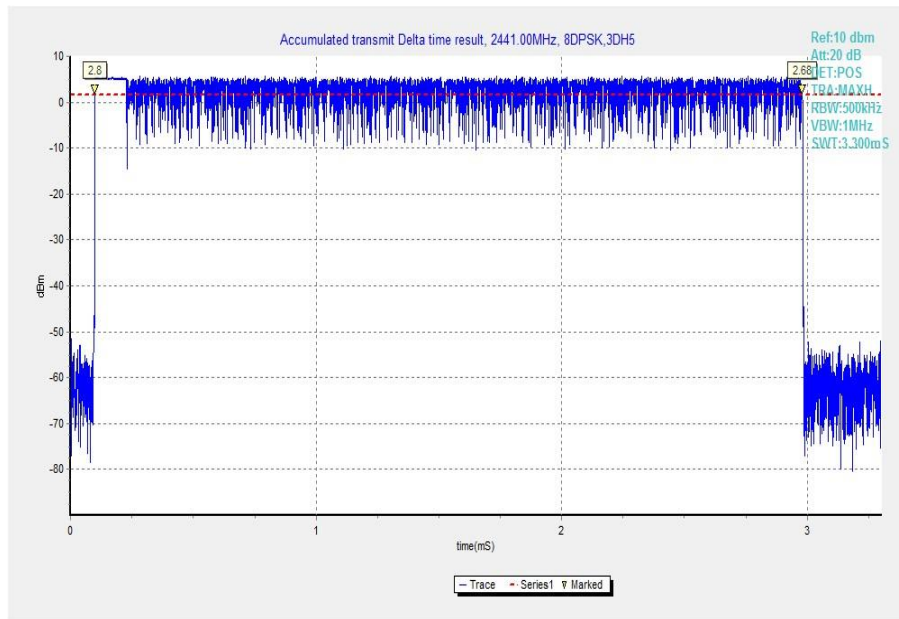


Fig. 96 Time of Occupancy(Dwell Time) (8DPSK, Ch39)

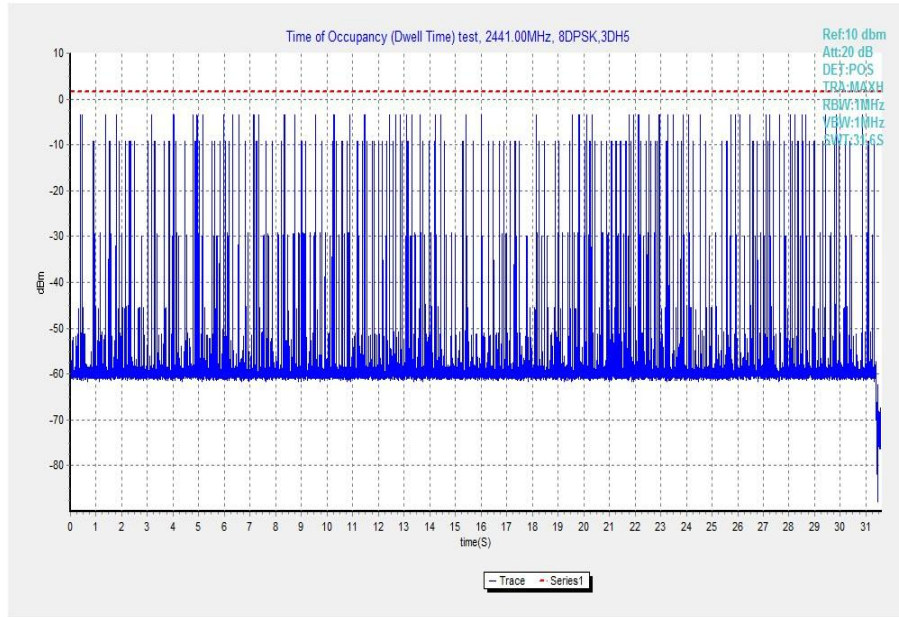


Fig. 97 Number of Transmissions (8DPSK, Ch39)

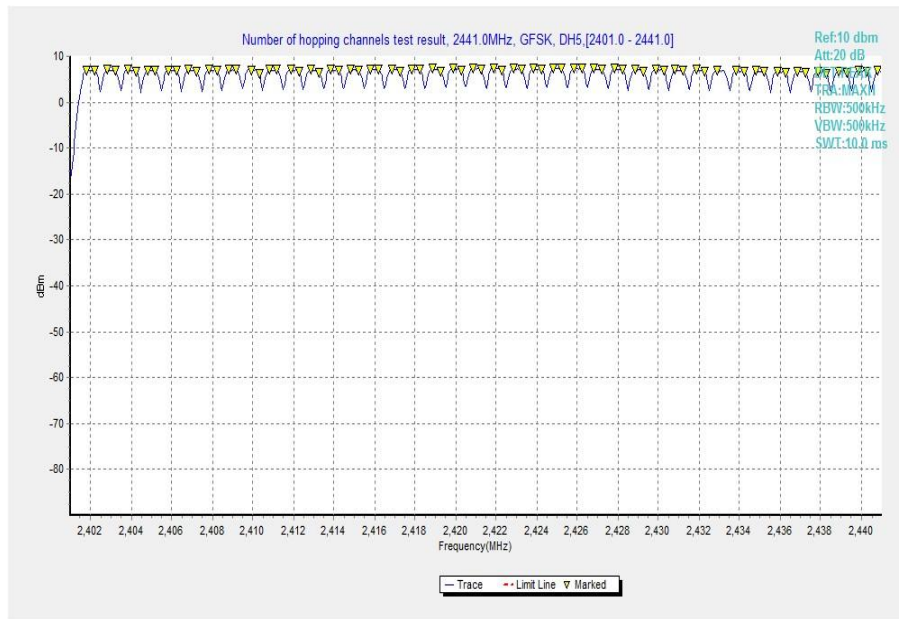


Fig. 98 Hopping channel ch0~39 (GFSK)

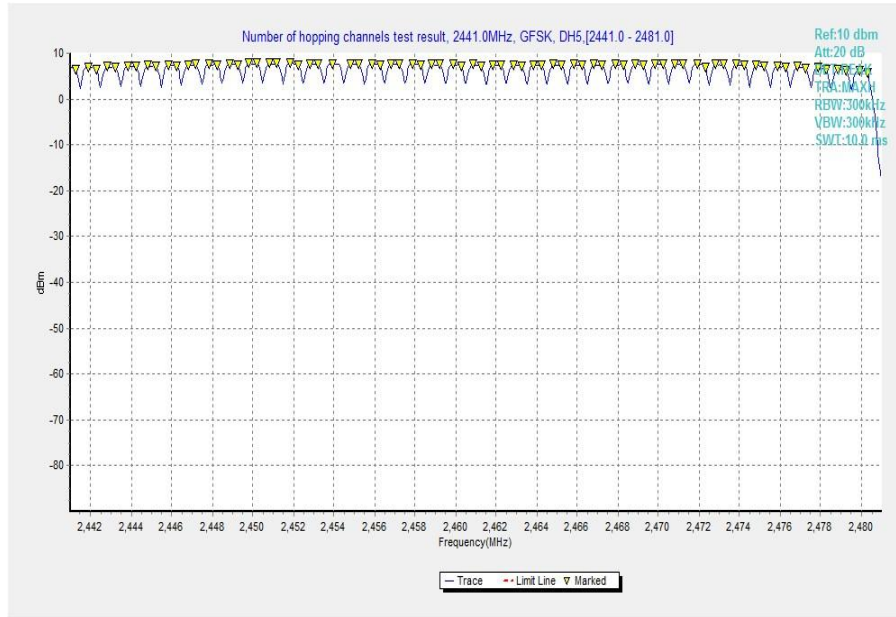


Fig. 99 Hopping channel ch39~78 (GFSK)

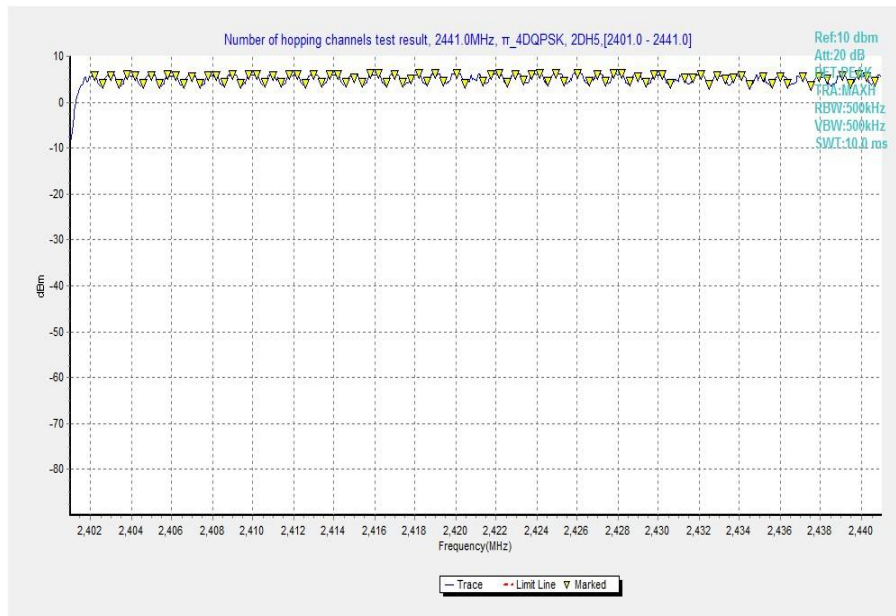


Fig. 100 Hopping channel ch0~39 (π /4 DQPSK)

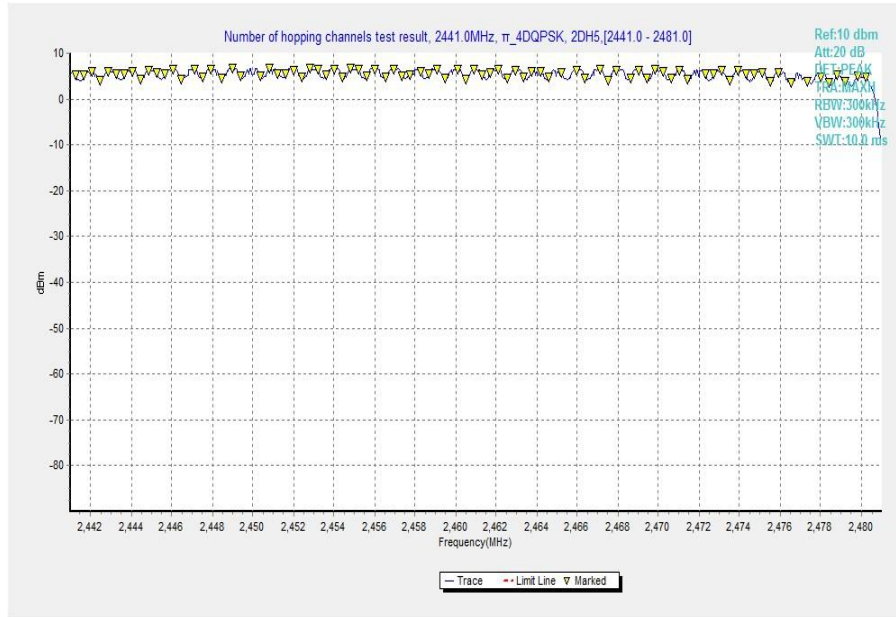


Fig. 101 Hopping channel ch39~78 ($\pi/4$ DQPSK)

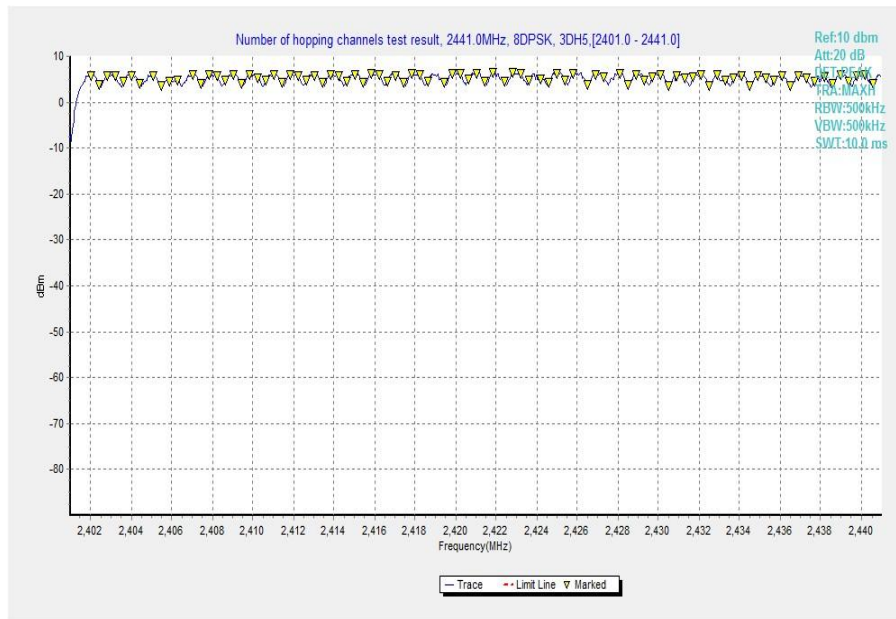


Fig. 102 Hopping channel ch0~39 (8DPSK)

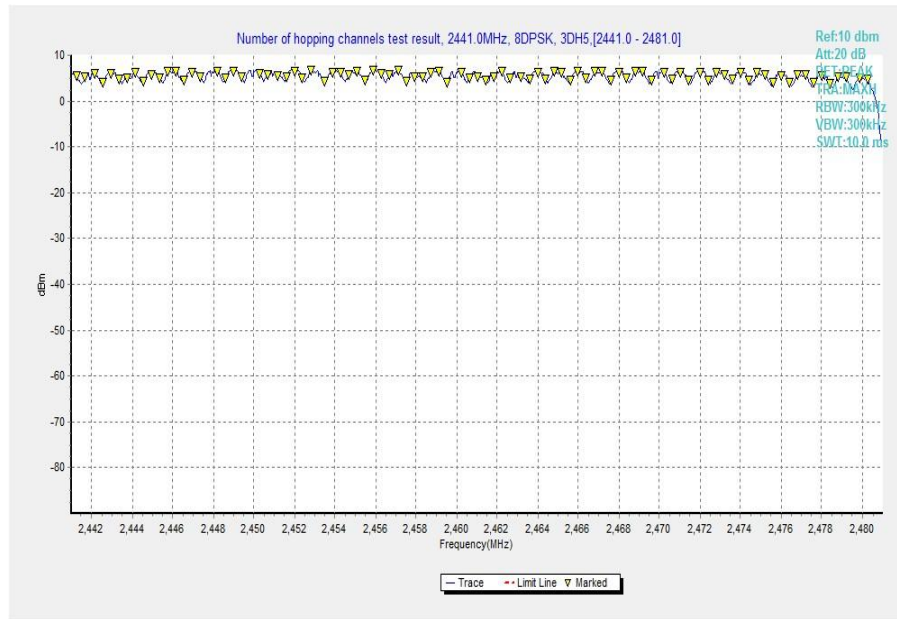


Fig. 103 Hopping channel ch39~78 (8DPSK)

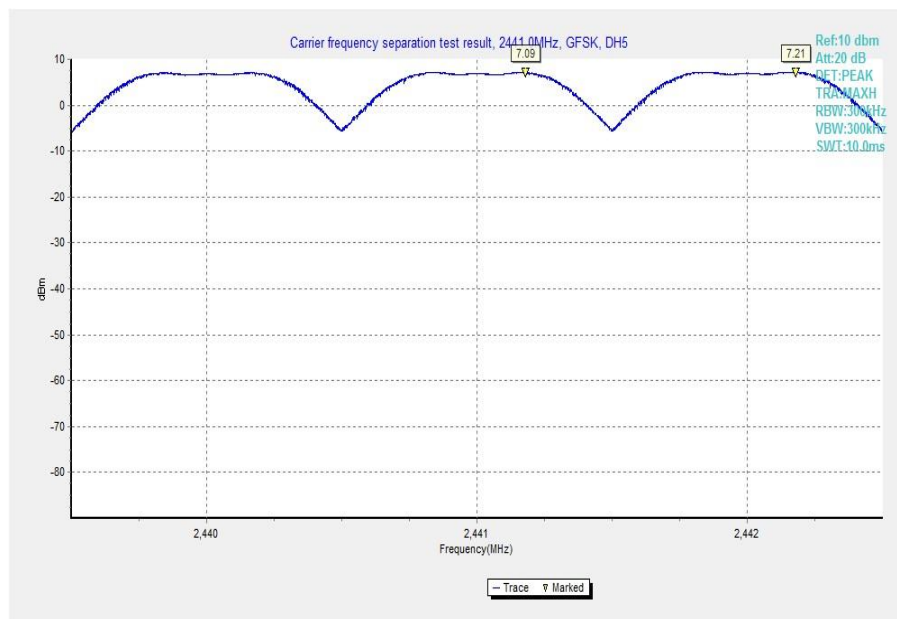


Fig. 104 Carrier Frequency Separation (GFSK, Ch39)

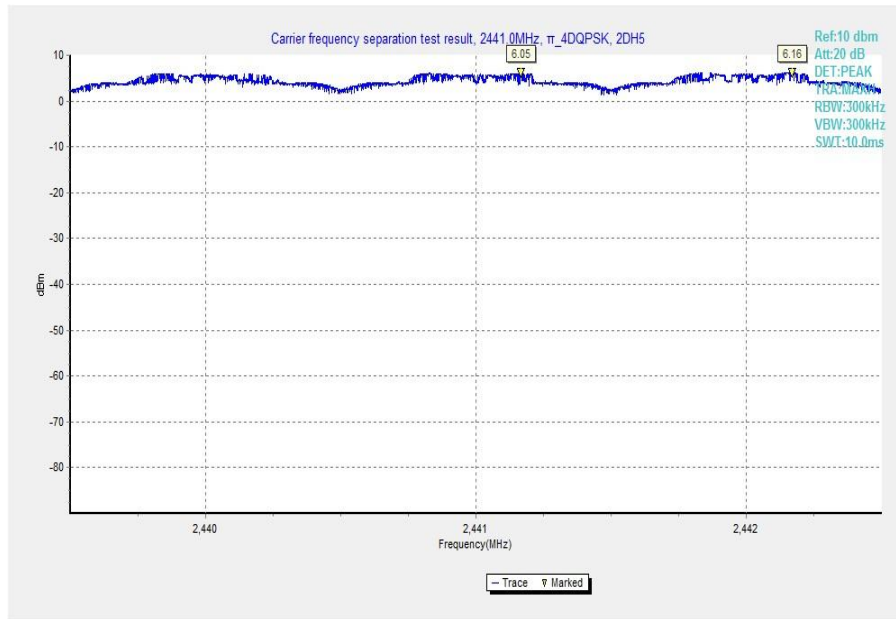


Fig. 105 Carrier Frequency Separation (π /4 DQPSK, Ch39)

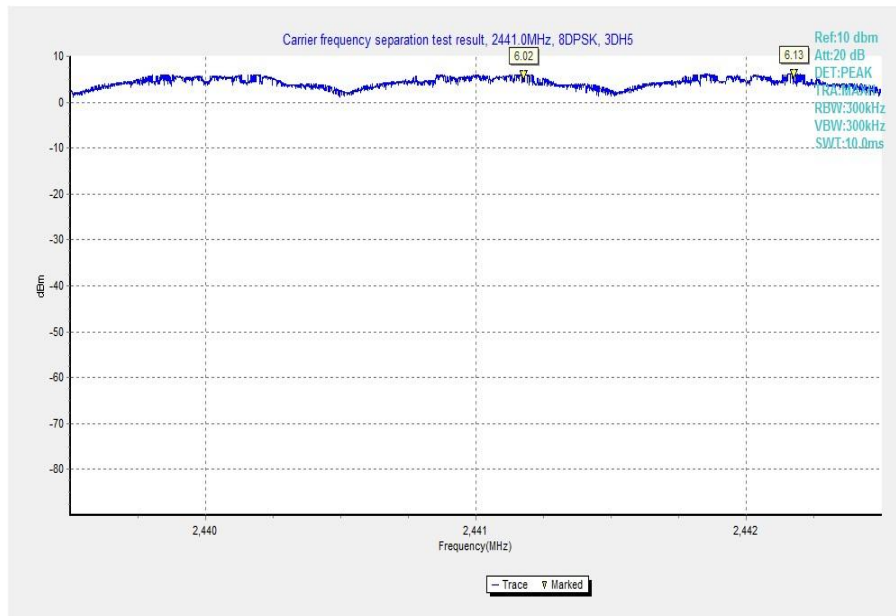


Fig. 106 Carrier Frequency Separation (8DPSK, Ch39)

ESH2-Z5 Scan-FCC

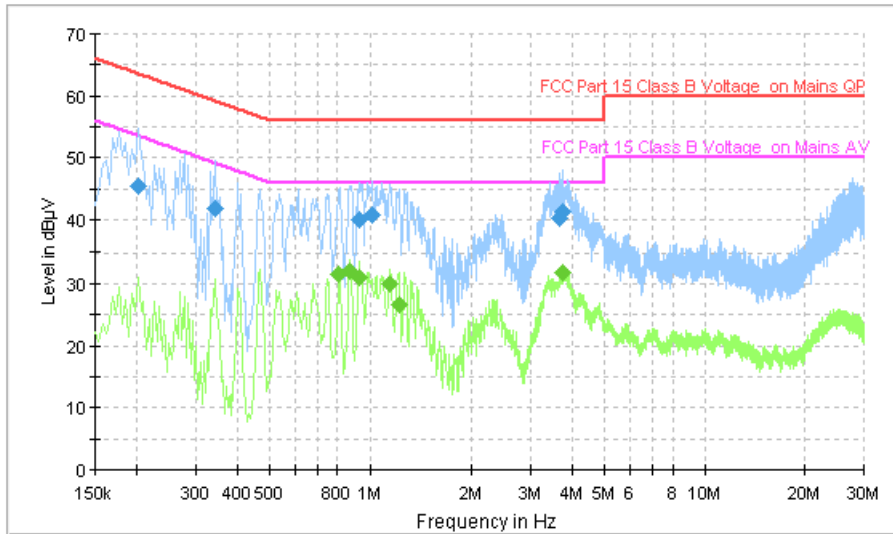


Fig. 107 AC Power line Conducted Emission (Traffic, AE1, 120V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	45.4	GND	N	9.6	18.1	63.5
0.342000	42.0	GND	N	9.6	17.2	59.2
0.930000	40.0	GND	N	9.6	16.0	56.0
1.018000	40.8	GND	N	9.5	15.2	56.0
3.670000	40.3	GND	N	9.6	15.7	56.0
3.758000	41.3	GND	N	9.6	14.7	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.810000	31.6	GND	N	9.6	14.4	46.0
0.870000	32.1	GND	N	9.6	13.9	46.0
0.930000	31.1	GND	N	9.6	14.9	46.0
1.154000	30.1	GND	N	9.5	15.9	46.0
1.222000	26.6	GND	N	9.6	19.4	46.0
3.758000	31.9	GND	N	9.6	14.1	46.0

ESH2-Z5 Scan-FCC

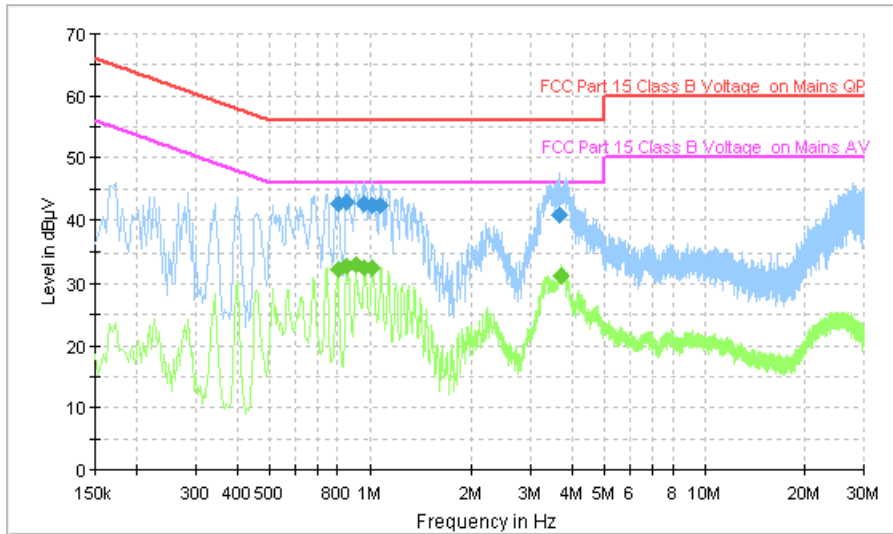


Fig. 108 AC Power line Conducted Emission (Idle, AE1, 120V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.802000	42.6	GND	N	9.6	13.4	56.0
0.854000	42.8	GND	N	9.5	13.2	56.0
0.966000	42.5	GND	N	9.6	13.5	56.0
1.022000	42.2	GND	N	9.5	13.8	56.0
1.078000	42.3	GND	N	9.6	13.7	56.0
3.678000	40.8	GND	N	9.6	15.2	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.802000	32.2	GND	N	9.6	13.8	46.0
0.854000	32.8	GND	N	9.5	13.2	46.0
0.910000	33.0	GND	N	9.6	13.0	46.0
0.966000	32.6	GND	N	9.6	13.4	46.0
1.018000	32.4	GND	N	9.5	13.6	46.0
3.694000	31.2	GND	N	9.6	14.8	46.0

ESH2-Z5 Scan-FCC

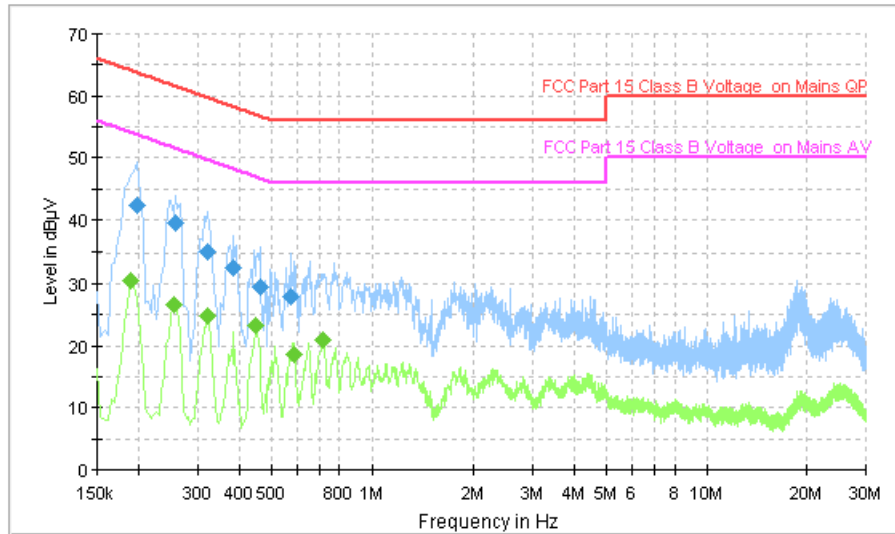


Fig. 109 AC Power line Conducted Emission (Traffic, AE2, 120V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	42.3	GND	N	9.6	21.4	63.7
0.258000	39.5	GND	N	9.6	22.0	61.5
0.322000	35.1	GND	N	9.6	24.6	59.7
0.386000	32.6	GND	N	9.6	25.6	58.1
0.462000	29.3	GND	N	9.7	27.3	56.7
0.570000	27.8	GND	N	9.7	28.2	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	30.4	GND	N	9.6	23.7	54.0
0.254000	26.5	GND	N	9.6	25.1	51.6
0.322000	24.9	GND	N	9.6	24.8	49.7
0.450000	23.2	GND	N	9.7	23.6	46.9
0.586000	18.7	GND	N	9.6	27.3	46.0
0.710000	20.9	GND	N	9.5	25.1	46.0

ESH2-Z5 Scan-FCC

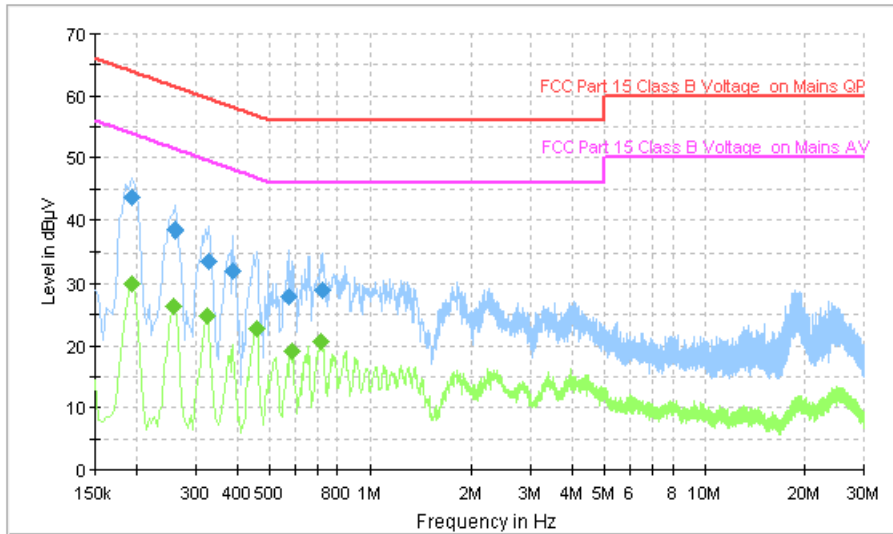


Fig. 110 AC Power line Conducted Emission (Idle, AE2, 120V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	43.6	GND	N	9.6	20.3	63.9
0.262000	38.6	GND	N	9.6	22.8	61.4
0.330000	33.5	GND	N	9.6	26.0	59.5
0.390000	32.0	GND	N	9.6	26.0	58.1
0.574000	27.9	GND	N	9.7	28.1	56.0
0.718000	29.0	GND	N	9.5	27.0	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	30.0	GND	N	9.6	23.9	53.9
0.258000	26.3	GND	N	9.6	25.2	51.5
0.326000	24.9	GND	N	9.6	24.6	49.6
0.458000	22.8	GND	N	9.7	23.9	46.7
0.582000	19.1	GND	N	9.6	26.9	46.0
0.710000	20.7	GND	N	9.5	25.3	46.0

ESH2-Z5 Scan-FCC

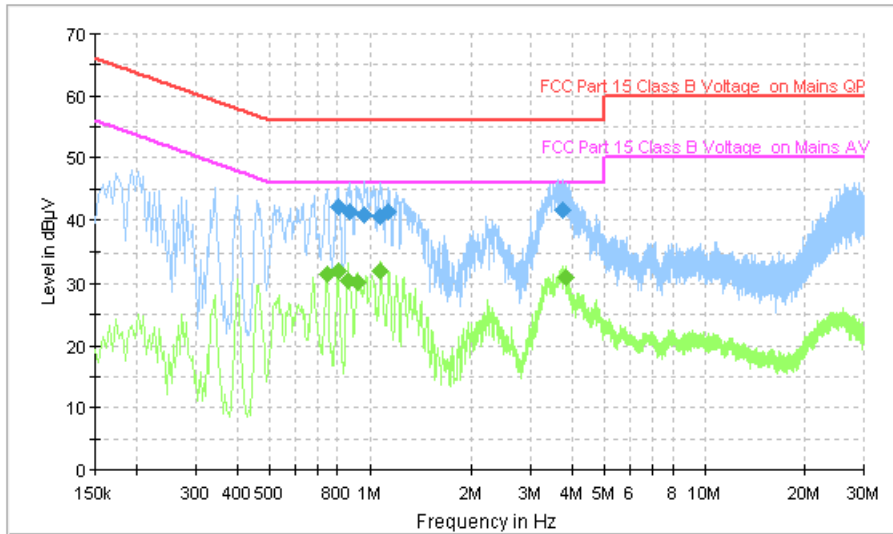


Fig. 111 AC Power line Conducted Emission (Traffic, AE1, 240V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.802000	42.1	GND	N	9.6	13.9	56.0
0.870000	41.3	GND	N	9.6	14.7	56.0
0.962000	40.7	GND	N	9.6	15.3	56.0
1.070000	40.6	GND	N	9.6	15.4	56.0
1.134000	41.3	GND	N	9.6	14.7	56.0
3.766000	41.5	GND	N	9.6	14.5	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.742000	31.4	GND	N	9.5	14.6	46.0
0.802000	32.1	GND	N	9.6	13.9	46.0
0.862000	30.6	GND	N	9.6	15.4	46.0
0.918000	30.2	GND	N	9.6	15.8	46.0
1.078000	32.1	GND	N	9.6	13.9	46.0
3.814000	31.0	GND	N	9.6	15.0	46.0

ESH2-Z5 Scan-FCC

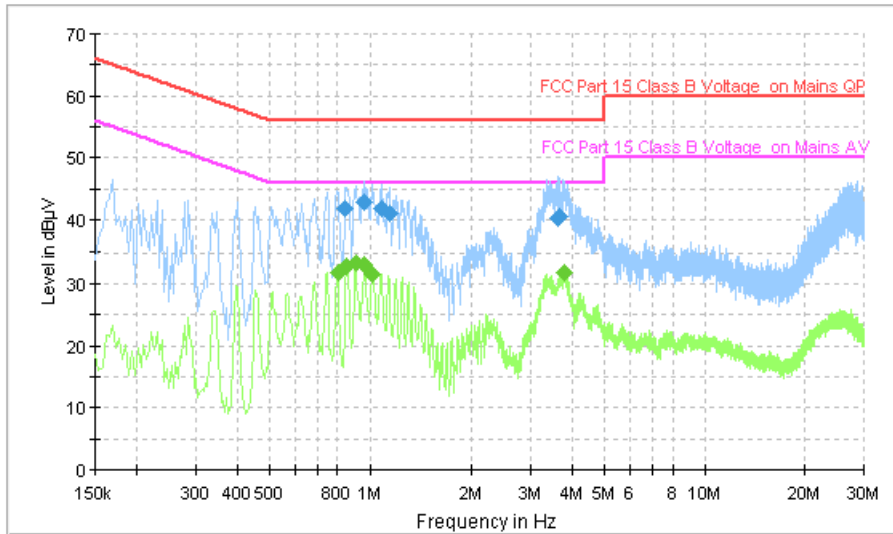


Fig. 112 AC Power line Conducted Emission (Idle, AE1, 240V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.846000	41.9	GND	N	9.5	14.1	56.0
0.962000	42.8	GND	N	9.6	13.2	56.0
1.082000	41.7	GND	N	9.6	14.3	56.0
1.146000	41.0	GND	N	9.6	15.0	56.0
3.622000	40.4	GND	N	9.6	15.6	56.0
3.670000	40.5	GND	N	9.6	15.5	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.802000	31.7	GND	N	9.6	14.3	46.0
0.854000	32.7	GND	N	9.5	13.3	46.0
0.906000	33.4	GND	N	9.6	12.6	46.0
0.962000	33.0	GND	N	9.6	13.0	46.0
1.018000	31.5	GND	N	9.5	14.5	46.0
3.794000	31.7	GND	N	9.6	14.3	46.0

ESH2-Z5 Scan-FCC

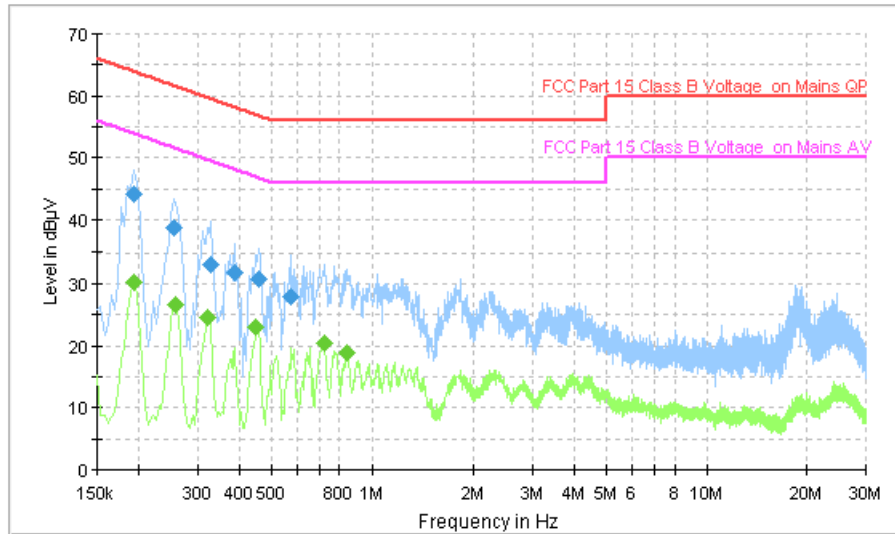


Fig. 113 AC Power line Conducted Emission (Traffic, AE2, 240V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	44.1	GND	N	9.6	19.7	63.9
0.254000	38.7	GND	N	9.6	22.9	61.6
0.330000	33.2	GND	N	9.6	26.3	59.5
0.390000	31.8	GND	N	9.6	26.3	58.1
0.458000	30.7	GND	N	9.7	26.0	56.7
0.574000	27.9	GND	N	9.7	28.1	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	30.3	GND	N	9.6	23.6	53.9
0.258000	26.7	GND	N	9.6	24.8	51.5
0.322000	24.6	GND	N	9.6	25.1	49.7
0.450000	22.9	GND	N	9.7	23.9	46.9
0.718000	20.4	GND	N	9.5	25.6	46.0
0.842000	18.8	GND	N	9.5	27.2	46.0

ESH2-Z5 Scan-FCC

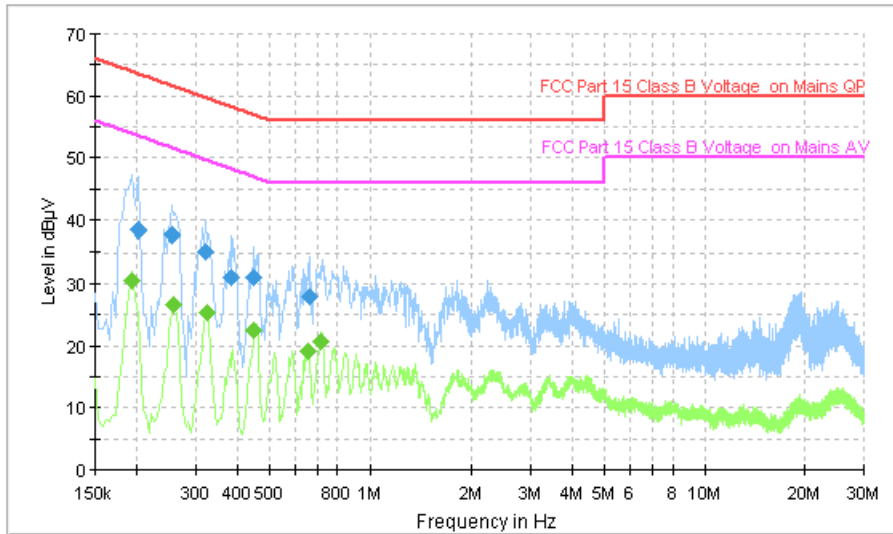


Fig. 114 AC Power line Conducted Emission (Idle, AE2, 240V)

MEASUREMENT RESULT: "QuasiPeak"

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	38.6	GND	N	9.6	24.9	63.5
0.254000	37.8	GND	N	9.6	23.9	61.6
0.322000	35.2	GND	N	9.6	24.5	59.7
0.382000	31.0	GND	N	9.6	27.3	58.2
0.450000	30.9	GND	N	9.7	26.0	56.9
0.658000	28.0	GND	N	9.6	28.0	56.0

MEASUREMENT RESULT: "Average"

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	30.5	GND	N	9.6	23.4	53.9
0.258000	26.7	GND	N	9.6	24.8	51.5
0.326000	25.3	GND	N	9.6	24.3	49.6
0.450000	22.4	GND	N	9.7	24.4	46.9
0.650000	19.1	GND	N	9.6	26.9	46.0
0.710000	20.7	GND	N	9.5	25.3	46.0



ANNEX C: Persons involved in this testing

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

END OF REPORT