

EMI (Emission) ..... 2  
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# EMI (Emission)

## Conducted Emission

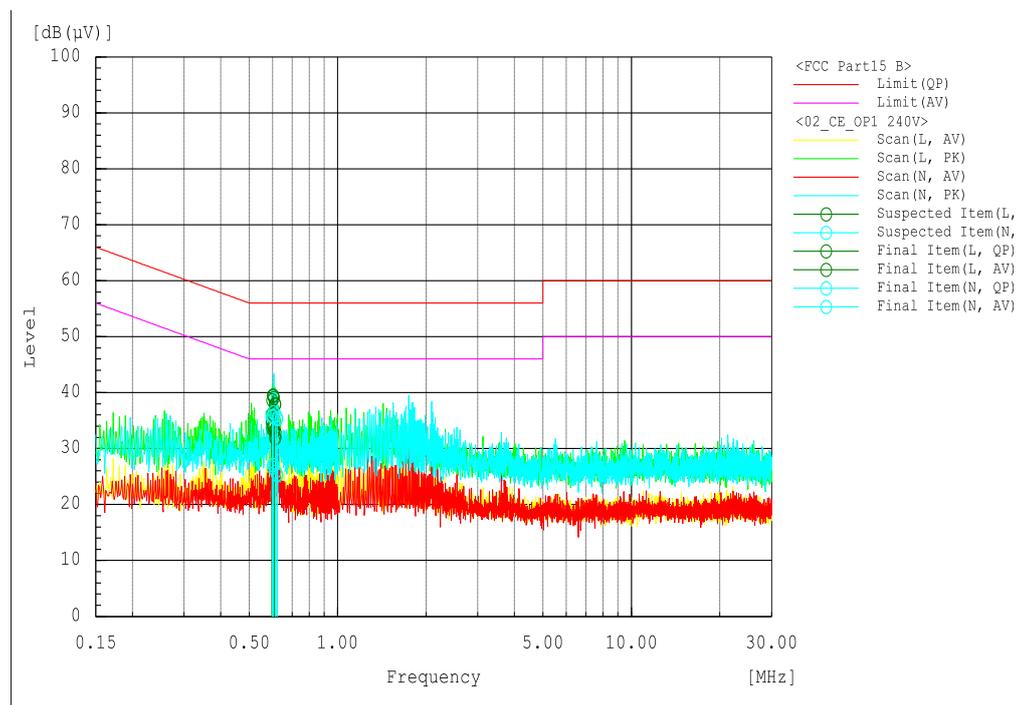
AC mains input/output port, Wired network port, DC power input/output port (Test position depend on DUT and auxiliary, necessary result mentioned below)

Noise	NOTE
0.15MHz -30MHz	The background noise of test environment is clear, There were no emission below 30MHz. test result was not reported.

### Mode 2

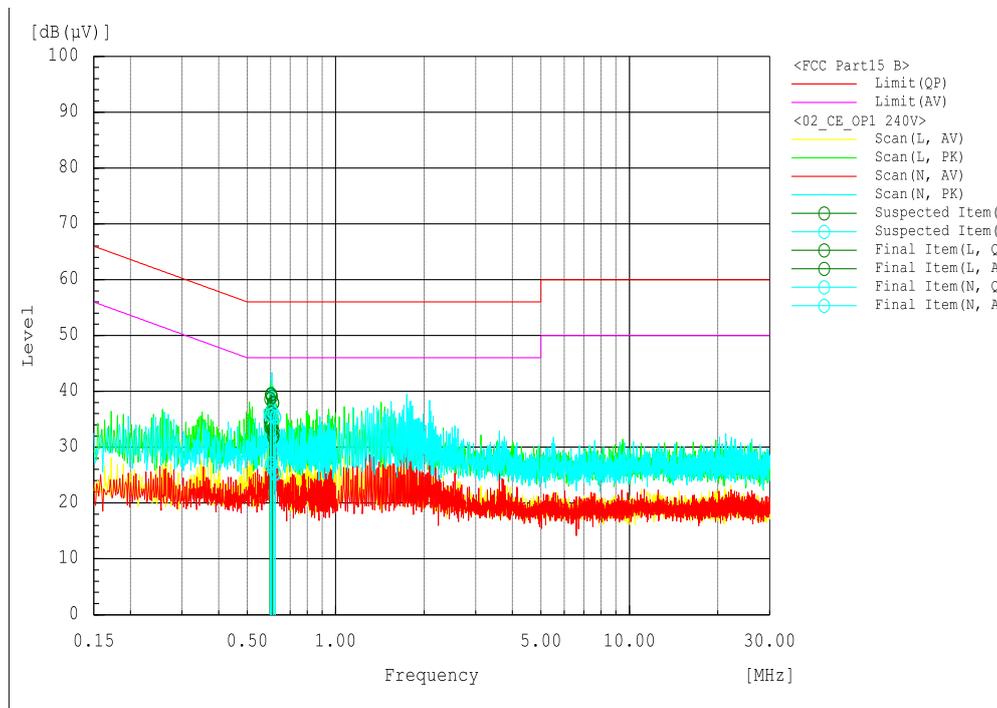
#### AC 100V

Frequency (MHz)	Line	Reading QuasiPeak (dBμV)	Reading Average (dBμV)	Correction factor (dB)	Corrected QuasiPeak (dBμV)	Corrected Average (dBμV)	Limit QuasiPeak (dBμV)	Limit Average (dBμV)	Margin QuasiPeak (dBμV)	Margin Average (dBμV)	Verdict
0.599	N	15.7	7.0	19.9	35.6	26.9	56.0	46.0	20.4	19.1	Pass
0.605	N	16.8	7.0	19.9	36.7	26.9	56.0	46.0	19.3	19.1	Pass
0.607	N	16.9	6.9	19.9	36.8	26.8	56.0	46.0	19.2	19.2	Pass
0.607	N	16.9	7.0	19.9	36.8	26.9	56.0	46.0	19.2	19.1	Pass
0.622	N	15.7	5.6	19.9	35.6	25.5	56.0	46.0	20.4	20.5	Pass
1.832	N	13.7	0.0	19.9	33.6	19.9	56.0	46.0	22.4	26.1	Pass
0.592	L	16.9	11.2	19.9	36.8	31.1	56.0	46.0	19.2	14.9	Pass
0.601	L	19.6	14.2	19.9	39.5	34.1	56.0	46.0	16.5	11.9	Pass
0.603	L	19.6	14.1	19.9	39.5	34.0	56.0	46.0	16.5	12.0	Pass
0.605	L	19.3	13.6	19.9	39.2	33.5	56.0	46.0	16.8	12.5	Pass
0.606	L	19.2	13.3	19.9	39.1	33.2	56.0	46.0	16.9	12.8	Pass
0.614	L	17.8	11.8	19.9	37.7	31.7	56.0	46.0	18.3	14.3	Pass



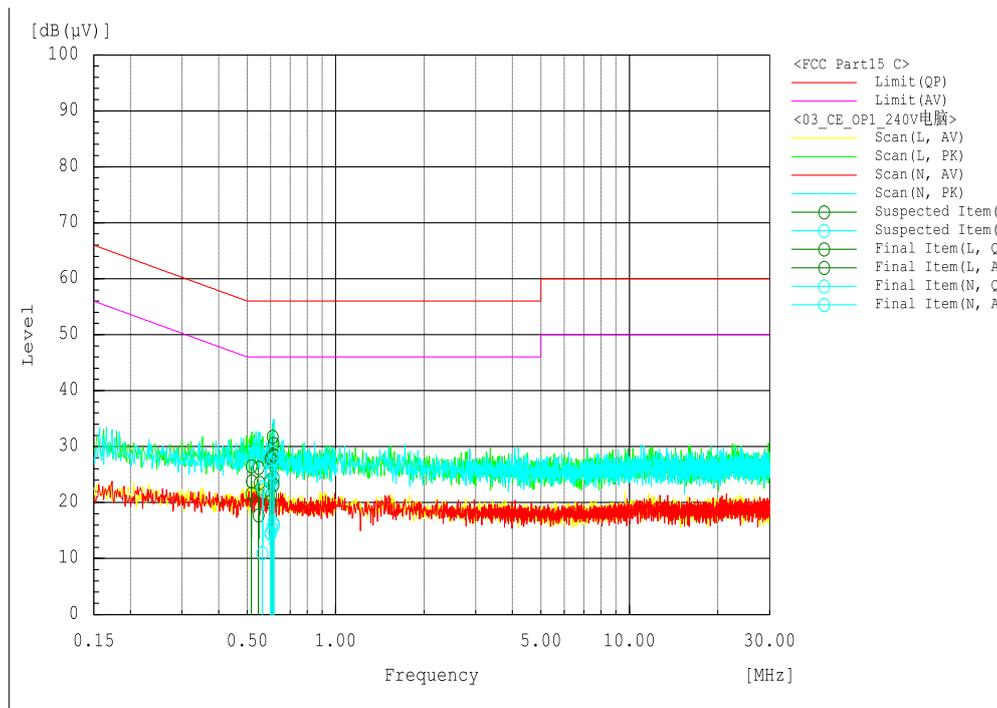
AC 240V

Frequency (MHz)	Line	Reading QuasiPeak (dBμV)	Reading Average (dBμV)	Correction factor (dB)	Corrected QuasiPeak (dBμV)	Corrected Average (dBμV)	Limit QuasiPeak (dBμV)	Limit Average (dBμV)	Margin QuasiPeak (dBμV)	Margin Average (dBμV)	Verdict
0.598	L	18.7	13.7	19.9	38.6	33.6	56.0	46.0	17.4	12.4	Pass
0.603	L	19.6	14.1	19.9	39.5	34.0	56.0	46.0	16.5	12.0	Pass
0.601	L	19.5	14.3	19.9	39.4	34.2	56.0	46.0	16.6	11.8	Pass
0.607	L	19.1	13.2	19.9	39.0	33.1	56.0	46.0	17.0	12.9	Pass
0.612	L	18.0	12.1	19.9	37.9	32.0	56.0	46.0	18.1	14.0	Pass
0.613	L	18.0	11.9	19.9	37.9	31.8	56.0	46.0	18.1	14.2	Pass
0.599	N	15.8	6.8	19.9	35.7	26.7	56.0	46.0	20.3	19.3	Pass
0.602	N	15.9	7.2	19.9	35.8	27.1	56.0	46.0	20.2	18.9	Pass
0.604	N	16.6	7.2	19.9	36.5	27.1	56.0	46.0	19.5	18.9	Pass
0.614	N	16.2	6.0	19.9	36.1	25.9	56.0	46.0	19.9	20.1	Pass
0.621	N	15.6	5.5	19.9	35.5	25.4	56.0	46.0	20.5	20.6	Pass
0.623	N	15.4	5.3	19.9	35.3	25.2	56.0	46.0	20.7	20.8	Pass



**Mode 5**

Frequency (MHz)	Line	Reading QuasiPeak (dBμV)	Reading Average (dBμV)	Correction factor (dB)	Corrected QuasiPeak (dBμV)	Corrected Average (dBμV)	Limit QuasiPeak (dBμV)	Limit Average (dBμV)	Margin QuasiPeak (dBμV)	Margin Average (dBμV)	Verdict
0.563	N	2.8	-8.9	19.9	22.7	11.0	56.0	46.0	33.3	35.0	Pass
0.600	N	5.5	-5.3	19.9	25.4	14.6	56.0	46.0	30.6	31.4	Pass
0.599	N	5.6	-5.4	19.9	25.5	14.5	56.0	46.0	30.5	31.5	Pass
0.606	N	7.2	-4.5	19.9	27.1	15.4	56.0	46.0	28.9	30.6	Pass
0.613	N	9.0	-3.4	19.9	28.9	16.5	56.0	46.0	27.1	29.5	Pass
0.616	N	8.0	-3.9	19.9	27.9	16.0	56.0	46.0	28.1	30.0	Pass
0.517	L	6.6	1.6	19.9	26.5	21.5	56.0	46.0	29.5	24.5	Pass
0.546	L	6.3	-2.2	19.9	26.2	17.7	56.0	46.0	29.8	28.3	Pass
0.599	L	7.9	0.2	19.9	27.8	20.1	56.0	46.0	28.2	25.9	Pass
0.602	L	8.1	1.5	19.9	28.0	21.4	56.0	46.0	28.0	24.6	Pass
0.610	L	11.9	8.7	19.9	31.8	28.6	56.0	46.0	24.2	17.4	Pass
0.615	L	10.6	3.3	19.9	30.5	23.2	56.0	46.0	25.5	22.8	Pass

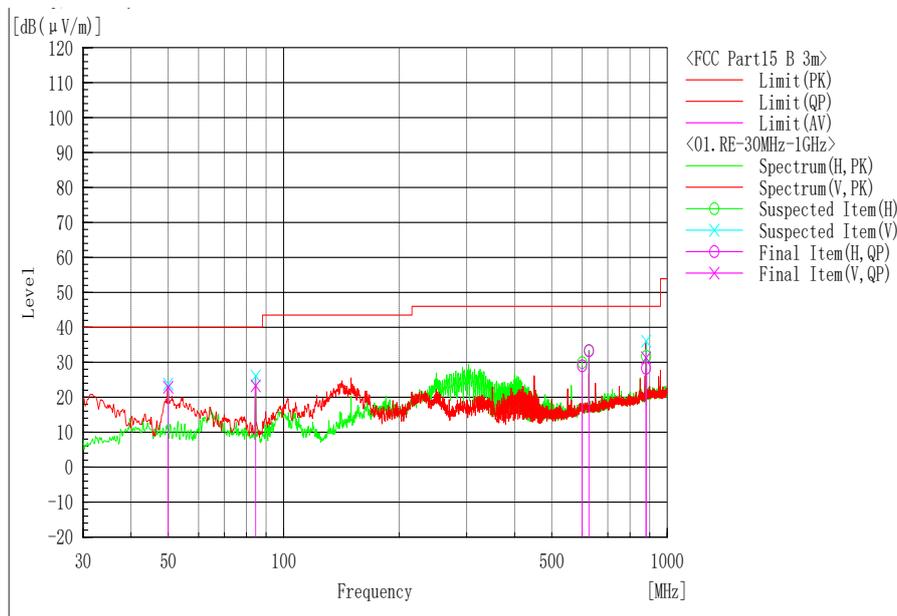


## Radiated emission

Enclosure port of ancillary equipment (Test position depend on DUT and auxiliary, necessary result mentioned below)

### Mode 2

Frequency (MHz)	Reading (dB $\mu$ V)	Quasi Peak (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Meas. Time(ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction factor (dB)
50.01	43.9	22.9	40.0	17.1	1000.0	120.000	102.0	V	79.6	-21.0
84.522	49.9	23.3	40.0	16.7	1000.0	120.000	110.0	V	143.9	-26.6
599.992	41.5	29.0	46.0	17.0	1000.0	120.000	110.0	H	217.8	-12.5
624.992	45.7	33.3	46.0	12.7	1000.0	120.000	110.0	H	218.2	-12.4
880.797	37.0	28.3	46.0	17.7	1000.0	120.000	234.0	H	0.0	-8.7
880.786	40.0	31.3	46.0	14.7	1000.0	120.000	104.0	V	4.7	-8.7

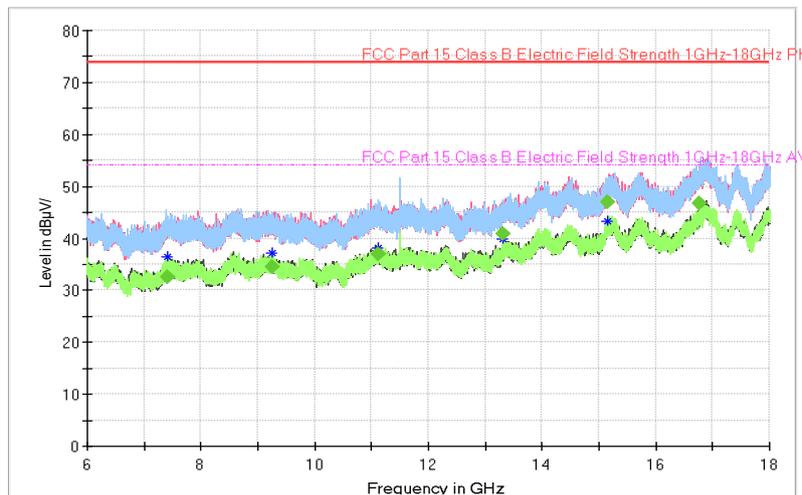


Frequency (MHz)	Reading Max Peak (dBμV)	Reading Average (dBμV)	Max Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time(ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction factor (dB)
7416.800000	---	53.74	---	32.54	54.00	21.46	1000.0	1000.000	124.9	H	156.0	-21.2
9260.000000	---	53.79	---	34.49	54.00	19.51	1000.0	1000.000	206.6	H	157.0	-19.3
11111.200000	---	51.33	---	37.03	54.00	16.97	1000.0	1000.000	224.8	V	165.0	-14.3
13323.200000	---	53.95	---	40.85	54.00	13.15	1000.0	1000.000	99.9	V	201.0	-13.1
15158.000000	---	53.89	---	46.89	54.00	7.11	1000.0	1000.000	224.9	H	20.0	-7.0
16773.600000	---	54.14	---	46.74	54.00	7.26	1000.0	1000.000	224.9	V	156.0	-7.4

Full Spectrum



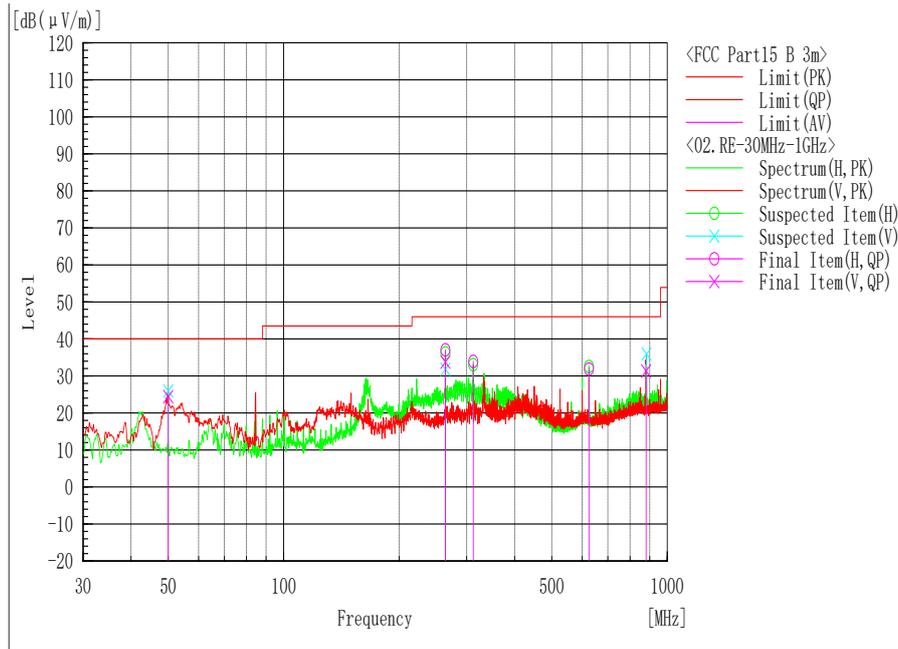
Full Spectrum



Frequency range	NOTE
1800MHz -40000MHz	There were no emission above 18GHz found within 20db of the limit. Thus, test result was not reported according to part 15.31(o)

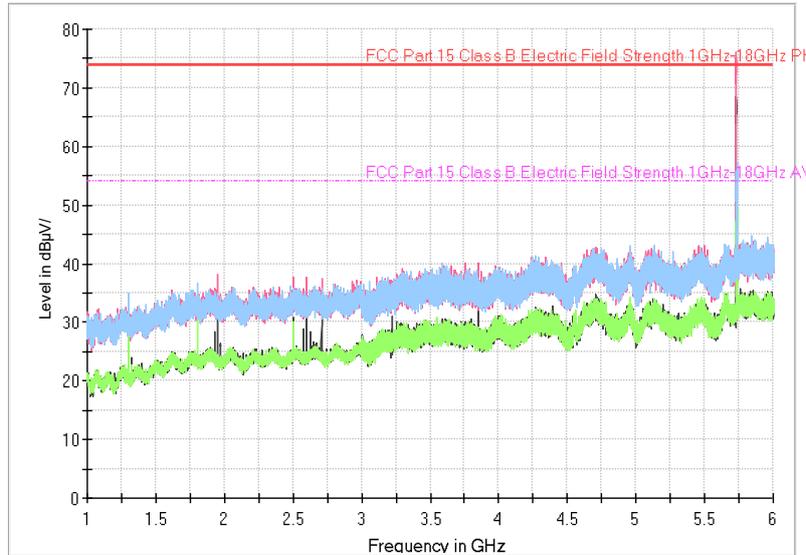
**Mode 5**

Frequency (MHz)	Reading (dB $\mu$ V)	Quasi Peak (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Meas. Time(ms)	Bandwidth (khz)	Height (cm)	Pol	Azimuth (deg)	Correction factor (dB)
50.003	45.4	24.4	40.0	15.6	1000.0	120.000	102.0	V	70.0	-21.0
263.996	57.9	37.0	46.0	9.0	1000.0	120.000	101.0	H	45.9	-20.9
264.002	54.6	33.7	46.0	12.3	1000.0	120.000	168.0	V	112.0	-20.9
312.002	53.7	33.9	46.0	12.1	1000.0	120.000	101.0	H	44.6	-19.8
624.996	44.3	31.9	46.0	14.1	1000.0	120.000	110.0	H	225.6	-12.4
880.631	40.0	31.3	46.0	14.7	1000.0	120.000	109.0	V	317.1	-8.7

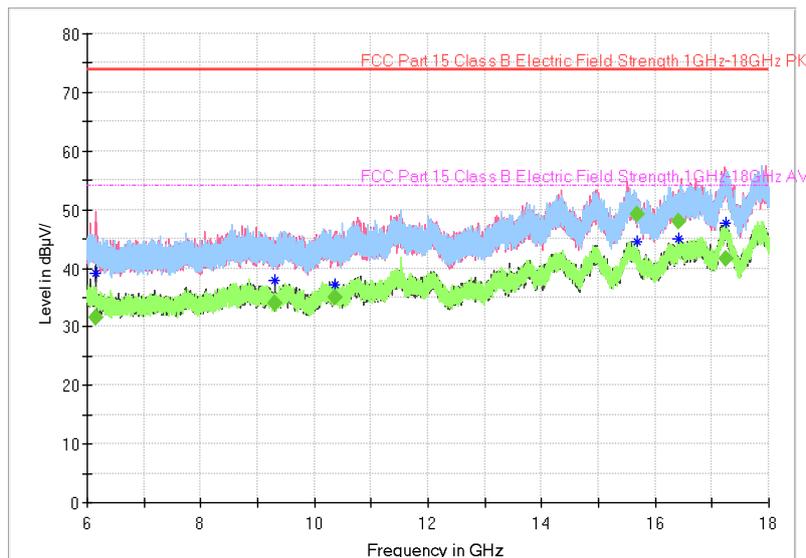


Frequency (MHz)	Reading Max Peak (dBμV)	Reading Average (dBμV)	Max Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time(ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Correction factor (dB)
6160.000000	---	52.3	---	31.50	54.00	22.50	1000.0	1000.000	125.0	V	-13.0	-20.8
9312.000000	---	53.3	---	34.00	54.00	20.00	1000.0	1000.000	119.6	V	25.0	-19.3
10356.400000	---	53.02	---	34.92	54.00	19.08	1000.0	1000.000	211.9	V	205.0	-18.1
15671.600000	---	52.13	---	49.13	54.00	4.87	1000.0	1000.000	113.4	H	205.0	-3.0
16413.200000	---	52.46	---	47.96	54.00	6.04	1000.0	1000.000	118.6	V	198.0	-4.5
17233.600000	---	51.41	---	41.51	54.00	12.49	1000.0	1000.000	99.9	H	-15.0	-9.9

Full Spectrum



Full Spectrum



Frequency range	NOTE
1800MHz -40000MHz	There were no emission above 18GHz found within 20db of the limit. Thus, test result was not reported according to part 15.31(o)