

The difference of draft for CISPR 32 Edition 3

The third edition of CISPR 32 is under drafted, according to the content of published DRAFT (COMMITTEE DRAFT, CD), there are three points worth paying attention to as follow:

1. Add the concept and limit requirement for the Wireless Power transmission (Wireless Power Transfer (WPT)) (such as Wireless charging equipment). Limit requirements include radiated emissions (9 k ~ 30 MHz) and conduction emissions (9 k ~ 150 KHZ), and the type of equipment is divided into Class A and Class B. The following is limit requirement for Class B equipment.

Table A.15 – Requirements for radiated emissions at frequencies below 30 MHz of Class B equipment with WPT ports

Table clause	Frequency range MHz	Measurement				Class B limits	
		Facility	Antenna	Distance	Detector type / bandwidth	dB(μA/m)	dB(μA)
A15.1	0,009 to 0,10	OATS / SAC	"0,6 m" loop	3 m	Quasi Peak / 200 Hz	30	-
	7 to 4					-	
	Quasi Peak / 9 kHz				4 to -22	-	
					-22	-	
A15.2	0,009 to 0,10	Any	LLAS	-	Quasi Peak / 200 Hz	-	50
	27 to 24					-	
	Quasi Peak / 9 kHz				24 to -2.5	-	
					-2.5 to -7	-	

Apply the requirements of A.15.1 or A.15.2 across the entire frequency range

These limits only apply when the WPT function is active.

Table A.17 – Requirements for conducted emissions at frequencies below 150 kHz from the AC mains power ports of Class B equipment with WPT ports

Table clause	Frequency range MHz	Measurement		Class B limits dB(μV)
		Coupling device (see Table A.8)	Detector type / bandwidth	
A17.1	0,009 to 0,050	AMN	Quasi Peak / 200 Hz	110
	90 to 80			

These limits only apply when the WPT function is active.

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2. Modify the limit requirement of radiated emissions above 1 GHz

- To adjust the limit requirement of 1 GHz ~ 3 GHz are the same as limit requirements of 3 GHz - 6 GHz. The following is the limit requirements for Class B equipment :
- NOTE: The second edition of the Class B equipment limit requirement :

Average : **50 dB (1-3 GHz)**, 54 dB (3-6 GHz) Peak : **70 dB (1 -3 GHz)**, 74 dB (3-6 GHz)

Table A.5 – Requirements for radiated emissions at frequencies above 1 GHz for class B equipment

Table clause	Frequency range MHz	Measurement			Class B limits dB(μV/m)
		Facility (see table A.1)	Distance m	Detector type/ bandwidth	
A5.1	1 000 to 6 000	FSOATS	3	Average/ 1 MHz	54
A5.2	1 000 to 6 000			Peak/ 1 MHz	74
A5.3	1 000 to 6 000	RVC	n/a	Average / 1 MHz	54
A5.4	1 000 to 6 000			Peak / 1 MHz	74

Apply A5.1 and A5.2 or A5.3 and A5.4 across the frequency range from 1 000 MHz to the highest required frequency of measurement derived from Table 1 .

These requirements are not applicable to the local oscillator and harmonics frequencies of equipment covered by Table A.7.

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- 3, Add concept and limit requirement of the DC power port (DC distribution network. The DC power port).
- The following is the limit requirement for DC power port of Class B equipment, these limit requirements are the same as limit requirements for AC power port of Class A equipment.

Table A.YY – Requirements for conducted emissions from the DC power ports of Class B equipment

Applicable to				
1. DC power ports (3.1.12) where the connection from the DC port to the power source may be with a cable 3m or greater in length				
Table clause	Frequency range MHz	Coupling device (see Table A.8)	Detector type / bandwidth	Class B limits dB(μV)
AY.1	0,15 to 0,5	AMN	Quasi Peak / 9 kHz	79
	0,5 to 30			73
AY.2	0,15 to 0,5	AMN	Average / 9 kHz	66
	0,5 to 30			60

Apply AY.1 and AY.2 across the entire frequency range.