

**Annex B**

(informative)

**Declaration of product environmental attributes**

**Product Category**


<input type="checkbox"/> PC	<input type="checkbox"/> Monitor	<input type="checkbox"/> TV	<input type="checkbox"/> VCR	<input type="checkbox"/> Mobile Phone	<input type="checkbox"/> NoteBook	<input type="checkbox"/> Camcorder	<input type="checkbox"/> Hi-fi	<input type="checkbox"/> Printer/copier	<input type="checkbox"/> Others
	<input type="checkbox"/> Monitor*	<input type="checkbox"/> TV**						<input type="checkbox"/> Printer/copier***	
	<input type="checkbox"/> Without fan								

\*CRT monitors    \*\*Digital and Internet TV    \*\*\*Using the electrostatic process

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**1 Product Information / Description**

<b>Brand</b> <b>Type of Product</b> <b>Commercial Name</b> <b>Model Number</b> <b>Weight</b> <b>Dimension</b> <b>Supplier</b> <Name> <Postal address> Postal code/City/Country e-mail <Contact person's name> e-mail Telephone Mobile phone Fax Internet site (URL) <b>Additional Information</b>	Sharp	<b>Company Logo</b>  
	LCD Colour TV	
	LC-20SH2E	
	LC-20SH2E	
	7,100 kg	
	<h> 43 cm x <w> 58 cm x <d> 9 cm	
	Sharp Electrónica España, S.A.	
	Pol. Ind. Can Sant Joan. C/ Sena s/n, 08174 Sant Cugat del Vallés. Spain	
	Mr. Andreu L. Hermo	
	<a href="mailto:hermo@sees.sharp-eu.com">hermo@sees.sharp-eu.com</a>	
+ 34 935 819 750		
+		
+ 34 935 819 752		
<a href="http://www.sharp.es">www.sharp.es</a>		

**Environmental Programme Requirements** conformed by the supplier

<b>Programme names</b> <i>e.g. Energy Star</i> <i>e.g. TCO 03</i>	1 Energy using Products (EuP)
	2
	3

**Environmental Management Systems** under which the product has been developed, manufactured and / or delivered.

<b>System names</b> <i>e.g. ISO 14001</i> <i>e.g. EMAS</i>	1 ISO 14001
	2 EMAS
	3

## Product Environmental Attributes - Legal Requirements

Requirement met  
Yes No n.a.

### 4 Electromagnetic Emissions

The product complies with the following emission requirements, listing the applicable legislation and standards referring to human exposure to electromagnetic fields for example:

- |     |                                                                                                                                                                                                 |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 4.1 | ICNIRP levels as documented in European council recommendation on the limitation of exposure of the general public to electromagnetic fields <b>1999/519/EC</b> ;                               | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 4.2 | prEN 50392 'Generic standard to demonstrate compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)' | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |

### 8 Batteries

The batteries are in conformance with international, regional and national regulations, concerning:

- |        |                                                                                                          |                                                                                                             |
|--------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 8.1<a> | Restrictions on hazardous substances and preparations such as defined in the <b>98/101/EC</b> directive. | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 8.2<b> | Labelling requirements such as defined in the <b>93/86/EEC</b> .                                         | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 8.3<c> | Installation and removal.                                                                                | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 8.4<d> | Take back and recycling.                                                                                 | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |

### 9 Product Packaging

The packaging is in compliance to international, regional and national regulations, concerning:

- |        |                                                                                                                                                                                                                                    |                                                                                                             |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 9.2<a> | Restrictions on hazardous substances and preparations such as defined in the EU Directive <b>94/62/EEC</b> (requiring that the sum of the concentration of lead, cadmium, mercury, chromium-VI does not exceed 100 ppm by weight); | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 9.3<b> | Labelling requirements.                                                                                                                                                                                                            | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| 9.4<c> | Take back and recycling.                                                                                                                                                                                                           | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |

### 11 Product End of Life

11.1.1 Product take back systems complies with the applicable legislations.

Legislation names	1	Directive 2002/96	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	3		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

### 11.2 Disassembly

11.2.1 Parts that have to be separately treated are declared to be separable, in compliance with international, regional and national regulations;

Regulation names	1		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	3		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

This product meets above listed legal requirements.

## Product Environmental Attributes - Market Requirements

### 2 Extension of Product Lifetime

2.1	The product is upgradable as follows; <span style="float: right;"><i>e.g. memory up to 512 MB</i></span>	
	<attribute>	up to <unit>
1	<input type="text"/>	up to <input type="text"/>
2	<input type="text"/>	up to <input type="text"/>
3	<input type="text"/>	up to <input type="text"/>
4	<input type="text"/>	up to <input type="text"/>
5	<input type="text"/>	up to <input type="text"/>
	<attribute>	up to <unit>
6	<input type="text"/>	up to <input type="text"/>
7	<input type="text"/>	up to <input type="text"/>
8	<input type="text"/>	up to <input type="text"/>
9	<input type="text"/>	up to <input type="text"/>
10	<input type="text"/>	up to <input type="text"/>
2.2	The manufacturer offers spare parts availability	7 years after end of production.
2.3	The manufacturer offers service availability	7 years after end of production.
2.4	The manufacturer offers warranty	2 years
	The service warranty / policy is as follows	
1	Spanish law 23/2003	
2	<input type="text"/>	
3	<input type="text"/>	
2.5	Restrictions for spare parts and service availability are as follows (if they are restricted);	
1	Electronic parts: spare parts availability is 7 years years after end of production.	
2	Mechanical parts: spare parts availability is 5 years years after end of production.	
3	Decorative parts: spare parts availability is 4 years years after end of production.	

### 3 Power Consumption

3.1	Power consumption in watts (rms) for ENERGY USING MODES For the product the following power consumption has been measured:	
	<mode> <span style="float: right;"><i>e.g. Play, stand-by passive</i></span>	<standard / applied test protocol>
1	off mode (AC unplug)	Measurement
2	off mode (AC plug)	Measurement
3	stand-by	Measurement
4	on mode	EN 62087:2002
5	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>
	<power>	
		0,000 [watts]
		0,755 [watts]
		0,755 [watts]
		44,35 [watts]
		<input type="text"/> [watts]
		<input type="text"/> [watts]
		<input type="text"/> [watts]

*Some example modes are; operational modes, inactive modes, off mode and no load mode.*

### 4 Electromagnetic Emissions

4.3	The product comlies with the limits defined in:	
	<standard / programme>	<i>e.g. MPR II-1990:8, TCO'99</i>
1	EN55013:2001 + A1:2003	
2	EN55020:2002 + A1:2003	
3	EN61000-3-2 / EN61000-3-3	

### 5 Noise Emissions

5.1	declared sound power and sound pressure levels	
	<b>Sound power levels</b> $L_{WA_d}$	<b>Sound pressure levels</b> $L_{pAm}$
		Location <input type="text"/>
		Position of the unit <input type="text"/>
		Distance <input type="text"/> [m]
	<operational mode> <span style="float: right;"><i>e.g. HDD access</i></span>	<description>
1	n.a.	n.a.
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>
	<level>	<level>
	$L_{WA_d}$	$L_{pAm}$
	n.a. [bel]	n.a. [dB(A)]
	<input type="text"/> [bel]	<input type="text"/> [dB(A)]
	<input type="text"/> [bel]	<input type="text"/> [dB(A)]
	<input type="text"/> [bel]	<input type="text"/> [dB(A)]
	<input type="text"/> [bel]	<input type="text"/> [dB(A)]
	<input type="text"/> [bel]	<input type="text"/> [dB(A)]

6 Chemical Emissions										
6.1 The following chemical emissions have been measured according to ECMA-328:										
Chemical emission rates (VOC and ozone)					Dust emission rates					
<operational mode>		<emissions rate>								
<i>e.g. printing</i>		VOC			ozone		dust			
1	n.a.	n.a.	[micro-gr./hr]	n.a.	[micro-gr./hr]	n.a.	[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	
2			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	
3			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	
4			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	
5			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]	
7 Hazardous Substances and Preparations										
The product does not contain:										
not contain under survey n.a.										
7.1<a> Substances and preparations covered by <b>general limitation</b>										
asbestos;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
azo Colorants;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mercury and mercury compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CFCs, HCFCs;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PCBs, PCTs and PCN.								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.2<b> Substances and preparations covered by limitations in <b>plastic mechanical parts and housings</b>										
cadmium and cadmium compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
short chain choloparaffins;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lead or lead compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PBB, PBDE.								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.3<c> Substances and preparations covered by limitations in <b>paints, coatings or colouring agents</b>										
cadmium and cadmium compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TBT and TBTO;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
hexavalent chromium compound;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lead or lead compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>NOTE Substances and preparations covered by limitations in batteries and packaging are defined in clauses 5.8 and 5.9.</i>										
8 Batteries										
The product { <input checked="" type="checkbox"/> contains/ <input type="checkbox"/> does not contain } batteries.										
8.5 The product or accessory contains the following batteries:										
<battery or accumulator>		<type>		<num.>		<total weight>		<size>		
<i>e.g. Main / Back-up battery</i>		<i>e.g. Li-ion / NiCd</i>								
1	Remote control battery	Zn C	2	34,00	[g]	4,9	x	1,4	x	1,4
2					[g]		x		x	
3					[g]		x		x	
4					[g]		x		x	
5					[g]		x		x	
9 Product Packaging										
9.1 The following packaging is used:										
<packaging>			<type>		<num.>		<total weight>			
<i>e.g. Main carton / remote control bag</i>			<i>e.g. carton / PS</i>							
1	Main box		carton	1	1355	[g]				
2	LCD bag		PE	1	35,20	[g]				
3	Lateral protectors		EPS	2	526,00	[g]				
4	Owner's Manual bag		PE	3	21,90	[g]				
5	Remote control bag		PE	1	1,60	[g]				
6	AC cord bag		PE	1	2,70	[g]				
7						[g]				
8						[g]				
Requirement met										
Yes No n.a.										
9.5 The packaging materials are marked according to a standard.										
Name of Standard			<i>e.g. ISO 11469:2000</i>				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>			
9.6 Specific packaging take back programme and recycling services are available.										
<describe>										
Green Dot			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>							

<b>10 Documentation Materials</b>				
<b>10.1 Paper</b>				Requirement met Yes No n.a.
10.1.1	The documentation is made under use of recycled paper.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
10.1.2	The recycled content: is		% to	%
10.1.3	The paper is bleached by the following method; Chlorine is not used			
<b>10.2 Other Media</b>				
10.2.1	The media type is: e.g. magnetic tapes, CDs, DVDs		n.a.	
10.2.2	The disposal method is: e.g. system name or description			
<b>11 Product End of Life</b>				
<b>11.1 Product Take Back Information</b>				Requirement met Yes No n.a.
Regarding take-back systems for products and consumables,				
11.1.2	Customers are advised			
	to contact their supplier representatives for additional information;			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	to check the products manual;			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	to visit the following web page			
	URL ;	<a href="http://www.sharp-eu.com">www.sharp-eu.com</a>		
	other	to contact with local authorities or recycling service company		
<b>11.2 Disassembly</b>				
11.2.1	The following design features have been included in the product to enable easy disassembly, separation and / or recycling.			
	Disassembly down to the module level is possible using only commonly available tools;			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Reduction of the number of steps necessary for disassembly;			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Reduction of number of tools necessary for disassembly;			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Reduction of variety and number of connections;			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Marking of mechanical plastic parts according to <b>ISO11469:2000</b> as applicable.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>12 Additional Information Source</b>				
12.1	Further information sources are: e.g. Manufacturer's URL, representative name and telephone number etc., except for sources indicated in 1st. page.			
	1			
	2			
	3			