

Annex 2

Indicative notebook computer BOM (Bill of Materials)

Coverage of proposed hazardous substance criterion

| Sub-assemblies | Description | Mass (g) | C2(a) SVHC | A1(a) Substitutes | A1(b) Hazard restrictions | A1(c) Substance restrictions | A1(d) Specific derogations |
|--------------------------|---|--------------|------------|-------------------|---------------------------|------------------------------|----------------------------|
| Battery | 14.4V, 32WH Li-ion battery | 244 | | | | | |
| | Battery sub-total | 244 | | | | | |
| Casing and bezel | RAM cover, plastic, PC+ABS | 28 | | | | | |
| | Metal screws | 4.2 | | | | | |
| | HD cover, plastic PC+ABS | 28 | | | | | |
| | Backplate, PC/ABS plastic | 231 | | | | | |
| | Frontplate, PC/ABS plastic, | 38 | | | | | |
| | Frontplate, PC/ABS plastic | 215 | | | | | |
| | ABS housing for speakers | 3.2 | | | | | |
| | Brackets main hinge - "Mg alloy"- 2x6.3g | 13 | | | | | |
| | Front frame - PC-ABS plastic | 40 | | | | | |
| | Metal screws | 4.2 | | | | | |
| | Backplate PC-ABS plastic | 240 | | | | | |
| | Display frame - steel clamps | 60 | | | | | |
| | Casing sub-total | 904.6 | | | | | |
| PWB daughtercards | Small daughtercard: 13x77mm 6 layer, negligible IC's | 2.7 | | | | | |
| | Small daughtercard: 25x35mm, 4 layer | 2.5 | | | | | |
| | On-board connectors | 3 | | | | | |
| | Wireless antenna - wires | 6.6 | | | | | |
| | Wireless antenna - metal, non- magnetic | 4.3 | | | | | |
| | Small PWB, 1x10cm | 8 | | | | | |
| | Wireless board - PCB 5x3cm, 4 layer | 3.6 | | | | | |
| | Wireless board - metal shield, magnetic | 1.2 | | | | | |
| | Wireless board - large IC 225-pin packaged BGA SMT | 0.3 | | | | | |
| | Silicon die, by mass ratio | 5.5 | | | | | |
| | Wireless board small IC's | 0.4 | | | | | |
| | Daughtercards sub-total | 38.1 | | | | | |
| PWB mainboard | Main logic board 15x19+11x6cm, 6 layer | 102 | | | | | |
| | Plastic spill guard | 5.8 | | | | | |
| | 3V CR2032 Li battery | 2.9 | | | | | |
| | Heatsink - copper bar (heat conductor) | 17 | | | | | |
| | Heatsink - fins (non-magnetic) | 4 | | | | | |
| | Heatsink - heat spreader (non- magnetic) | 16 | | | | | |
| | PCMCIA card port | 17 | | | | | |
| | RAM slots, 2x5g each, 6.5cm | 10 | | | | | |
| | Ethernet port | 2.7 | | | | | |
| | Voice data port | 1.8 | | | | | |
| | USB port, 2x2g each | 4 | | | | | |
| | VGA port | 3.8 | | | | | |
| | Stereo mini port, 2x1g each | 1.9 | | | | | |
| | Power port | 1.5 | | | | | |
| | Misc. connectors | 8.1 | | | | | |
| | CPU - large metal heat spreader, non-magnetic | 8.8 | | | | | |
| | CPU - plastic socket | 5.7 | | | | | |
| | CPU - Intel 1.83/2M/667 398-pin bare die; 35x35mm, 8x11mm die | 6.2 | | | | | |
| | CPU unmarked 1469-pin bare die 37x37mm PBC 11x11mm die | 4.7 | | | | | |
| | CPU Intel NH82820 652-pin | 3.5 | | | | | |
| | 128-pin SMT 21x21mm | 1.4 | | | | | |
| | 128-pin SMT 15x15mm | 0.5 | | | | | |
| | 72-pin DIP 17x7mm | 0.3 | | | | | |
| | 48-pin DIP 16x7mm | 0.7 | | | | | |
| | Small IC's | 3.3 | | | | | |

| | | | | | | | |
|-----------------------|--|---------------|--|--|--|--|--|
| | Small inductors | 11 | | | | | |
| | Small caps | 2.5 | | | | | |
| | Misc. connectors | 6 | | | | | |
| | Misc. tiny bits | 7.2 | | | | | |
| | Mainboard sub-total | 260.3 | | | | | |
| RAM | RAM PCB, 2x, each 30x67mm 6- layer | 5.7 | | | | | |
| | 16X RAM IC's, each 84-pin 0.2g, 12x10mm (64MB) | 3.2 | | | | | |
| | RAM sub-total | 8.9 | | | | | |
| Display | LCD module 36x21.5cm | 540 | | | | | |
| | Display, reflective backplate, flexible plastic tape | 13 | | | | | |
| | Display sub-total | 553 | | | | | |
| Power supply | Power cable | 160 | | | | | |
| | Power cord | 64 | | | | | |
| | Plastic casing | 58 | | | | | |
| | Bare PCB 2-layer 5x11cm | 17 | | | | | |
| | Cylindrical electrolytic caps | 12 | | | | | |
| | Ceramic caps | 3 | | | | | |
| | Coils - large cylindrical wound | 53 | | | | | |
| | Coils - toroidal | 6 | | | | | |
| | Capacitor - box (film) | 6 | | | | | |
| | Power plug | 11 | | | | | |
| | Metal frame, aluminum | 31 | | | | | |
| | Power transistors | 5 | | | | | |
| | LED | 0 | | | | | |
| | Power resistors | 1 | | | | | |
| | Fuse | 1 | | | | | |
| | Rubbery coatings | 2 | | | | | |
| | Small transistors | 0 | | | | | |
| | Small diodes | 0 | | | | | |
| | Small IC's | 0 | | | | | |
| | Small metal brackets, magnetic | 1 | | | | | |
| | Small plastic bits | 1 | | | | | |
| | Power supply sub-total | 432 | | | | | |
| Interior parts | DVD-RW drive, 180g, 13x12.1x1.3cm | 180 | | | | | |
| | Stickers on wireless chip | 0 | | | | | |
| | HD carriage, metal, magnetic | 34 | | | | | |
| | Speakers | 3 | | | | | |
| | PCMCIA card tray - PC/ABS | 6 | | | | | |
| | Other interior parts sub-total | 223 | | | | | |
| Keyboard | Keys, PC/ABS plastic | 25 | | | | | |
| | Plastic bumpers (white plastic) | 10 | | | | | |
| | Metal brackets -steel | 1 | | | | | |
| | Rubber/silicone bumpers | 3 | | | | | |
| | Papery film layer | 4 | | | | | |
| | Flexible circuit board - | 8 | | | | | |
| | Metal backplate - non-magnetic | 45 | | | | | |
| | Trackpad - Metal plate, non- | 9 | | | | | |
| | Trackpad - Sticker | 1 | | | | | |
| | Trackpad - Small PCB - 7.5g , 7 x | 8 | | | | | |
| | Keyboard sub-total | 114 | | | | | |
| | Notebook total | 2777.9 | | | | | |

Criteria coverage sub-totals

| | |
|------------------------------|-------|
| C2(a) SVHC | 96.3% |
| A1(a) Substitutes | 43.8% |
| A1(b) Hazard restrictions | 1.3% |
| A1(c) Substance restrictions | 59.4% |
| A1(d) Specific derogations | 37.6% |