

VDE Testing and Certification Institute • Merianstr. 28 • 63069 Offenbach • Germany

Date: August 23th, 2022
From: Dr. Michael Riess, VDE
To: Motorola

Subject: **Recyclability and Recoverability Report by VDE Testing and Certification Institute**

XT2255

Description of Methodology

The calculation is based on a disassembly assessment of the product. The disassembly is done down to the level of “functional units” similar to what is done in recycling facilities. Based on Material Assessment data the composition of each functional unit is evaluated regarding compatibility of the overall material composition of the functional unit with material fractions, similar to the requirements of the European WEEE directive 2012/19/EU.

The functional unit material compatibility assessment allows the calculation of the recyclability and recoverability¹⁾. Formulas for calculation:

$$\text{recyclability} = \sum(\text{mass of recyclable product fractions/materials}) \div (\text{total mass of product}) \times 100$$

$$\text{recoverability} = \sum(\text{mass of recyclable product fractions/materials} + \text{mass of further serving useful purpose product material-mixes}) \div (\text{total mass of product}) \times 100$$

¹⁾ Percentage of materials that are compatible with materials recycling processes or that can go into energy recovery process

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	Dr. Michael Riess	

Annex

Based on Testreport-298238-TL7-1 the product achieves a recycling quote of 72.94 % and a recovery quote of 83.02 %.

Required Records:

1. Total weight of mobile phone (with Battery): 165.081 g = 0.364 lbs
2. Fraction Assessment for recycling:

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Battery	FK2219-00	22-237 Smart Phone, Model series XT2255, Battery	64,065	64,065	100%	YES	
Copper alloy	FK2233-00	22-237 Smart Phone, Model series XT2255, Copper foil	3,595	3,595	100%	YES	
Copper alloy	FK2242-01	22-237 Smart Phone, Model series XT2255, Copper glue strip 1	0,177	0,177	100%	YES	
Copper alloy	FK2242-02	22-237 Smart Phone, Model series XT2255, Copper glue strip 2	0,025	0,025	100%	YES	
Copper alloy	FK2242-03	22-237 Smart Phone, Model series XT2255, Copper glue strip 3	0,496	0,496	100%	YES	
Ferrous alloy	FK2246-01	22-237 Smart Phone, Model series XT2255, Black screws 1	0,774	0,774	100%	YES	
Ferrous alloy	FK2246-02	22-237 Smart Phone, Model series XT2255, Black screw 2	0,042	0,042	100%	YES	
Glass	FK2232-00	22-237 Smart Phone, Model series XT2255, Front glass with LCD	18,620	18,620	100%	YES	
Non recyclable	FK2201-00	22-237 Smart Phone, Model series XT2255, SIM Card holder	0,415	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2202-00	22-237 Smart Phone, Model series XT2255, Backside cover	6,969	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2203-00	22-237 Smart Phone, Model series XT2255, Backside camera cover	3,052	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2205-00	22-237 Smart Phone, Model series XT2255, Black plastic net 1	0,014	0	0%	NO	Material Mix more than 5% differing materials

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	FK2206-00	22-237 Smart Phone, Model series XT2255, Black foam pads 1	0,020	0	0%	NO	Phthalate
Non recyclable	FK2217-00	22-237 Smart Phone, Model series XT2255, Thermal paste	0,309	0	0%	NO	Non remeltable
Non recyclable	FK2229-00	22-237 Smart Phone, Model series XT2255, Humidity Indicator 1+2	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2230-00	22-237 Smart Phone, Model series XT2255, Red rubber part 1+2	0,011	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2234-00	22-237 Smart Phone, Model series XT2255, Back foil	1,811	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2235-00	22-237 Smart Phone, Model series XT2255, Inner housing	27,470	0	0%	NO	Material Mix more than 5% differing materials, Lead
Non recyclable	FK2236-01	22-237 Smart Phone, Model series XT2255, Black glue 1	0,283	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2236-03	22-237 Smart Phone, Model series XT2255, Black glue 3	0,025	0	0%	NO	Material Mix more than 5% differing materials, Phthalate
Non recyclable	FK2237-01	22-237 Smart Phone, Model series XT2255, Black glue foil 1	0,655	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2237-02	22-237 Smart Phone, Model series XT2255, Black glue foil 2	0,424	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2237-03	22-237 Smart Phone, Model series XT2255, Black glue foil 3	0,618	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2237-04	22-237 Smart Phone, Model series XT2255, Black glue foil 4	0,048	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2237-05	22-237 Smart Phone, Model series XT2255, Black glue foil 5	0,908	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2237-06	22-237 Smart Phone, Model series XT2255, Black glue foil 6	0,457	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-01	22-237 Smart Phone, Model series XT2255, Black shock pad 1	0,203	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-02	22-237 Smart Phone, Model series XT2255, Black shock pad 2	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-03	22-237 Smart Phone, Model series XT2255, Black shock pad 3	0,022	0	0%	NO	Material Mix more than 5% differing materials, Phthalate
Non recyclable	FK2238-04	22-237 Smart Phone, Model series XT2255, Black shock pad 4	0,014	0	0%	NO	Material Mix more than 5% differing materials

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	FK2238-05	22-237 Smart Phone, Model series XT2255, Black shock pad 5	0,007	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-06	22-237 Smart Phone, Model series XT2255, Black shock pad 6	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-07	22-237 Smart Phone, Model series XT2255, Black shock pad 7	0,011	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-08	22-237 Smart Phone, Model series XT2255, Black shock pad 8	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-09	22-237 Smart Phone, Model series XT2255, Black shock pad 9	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-10	22-237 Smart Phone, Model series XT2255, Black shock pad 10	0,006	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-11	22-237 Smart Phone, Model series XT2255, Black shock pad 11	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-12	22-237 Smart Phone, Model series XT2255, Black shock pad 12	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-13	22-237 Smart Phone, Model series XT2255, Black shock pad 13	0,020	0	0%	NO	Material Mix more than 5% differing materials, Phthalate
Non recyclable	FK2238-14	22-237 Smart Phone, Model series XT2255, Black shock pad 14	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-15	22-237 Smart Phone, Model series XT2255, Black shock pad 15	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2238-16	22-237 Smart Phone, Model series XT2255, Black shock pad 16	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2239-01	22-237 Smart Phone, Model series XT2255, Label 1	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2239-02	22-237 Smart Phone, Model series XT2255, Label 2	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2239-03	22-237 Smart Phone, Model series XT2255, Label 3	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2239-04	22-237 Smart Phone, Model series XT2255, Label 4	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2239-05	22-237 Smart Phone, Model series XT2255, Label 5	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2240-01	22-237 Smart Phone, Model series XT2255, Clear glue foil 1	0,001	0	0%	NO	Material Mix more than 5% differing materials

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	FK2240-02	22-237 Smart Phone, Model series XT2255, Clear glue foil 2	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2240-03	22-237 Smart Phone, Model series XT2255, Clear glue foil 3	0,192	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2240-04	22-237 Smart Phone, Model series XT2255, Clear glue foil 4	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2240-05	22-237 Smart Phone, Model series XT2255, Clear glue foil 5	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2241-01	22-237 Smart Phone, Model series XT2255, Black glue strip 1	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2241-02	22-237 Smart Phone, Model series XT2255, Black glue strip 2	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2243-01	22-237 Smart Phone, Model series XT2255, Metallic glue strip 1	0,004	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2243-02	22-237 Smart Phone, Model series XT2255, Metallic glue strip 2	0,006	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2243-03	22-237 Smart Phone, Model series XT2255, Metallic glue strip 3	0,037	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2243-04	22-237 Smart Phone, Model series XT2255, Metallic glue strip 4	0,107	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2243-05	22-237 Smart Phone, Model series XT2255, Metallic glue strip 5	0,075	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2243-06	22-237 Smart Phone, Model series XT2255, Metallic glue strip 6	0,083	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2244-01	22-237 Smart Phone, Model series XT2255, Metallic shock pad 1	0,008	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2244-02	22-237 Smart Phone, Model series XT2255, Metallic shock pad 2	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2244-03	22-237 Smart Phone, Model series XT2255, Metallic shock pad 3+4	0,044	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	FK2245-01	22-237 Smart Phone, Model series XT2255, Black rubber cover 1	0,148	0	0%	NO	Non remeltable
Non recyclable	FK2245-02	22-237 Smart Phone, Model series XT2255, Black rubber cover 2	0,103	0	0%	NO	Non remeltable
PWB and mixed Electronics	FK2207-00	22-237 Smart Phone, Model series XT2255, Antenna flex 1	0,078	0,078	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
PWB and mixed Electronics	FK2208-00	22-237 Smart Phone, Model series XT2255, Antenna flex 2	0,045	0,045	100%	YES	
PWB and mixed Electronics	FK2209-00	22-237 Smart Phone, Model series XT2255, Antenna flex 3	0,022	0,022	100%	YES	
PWB and mixed Electronics	FK2210-00	22-237 Smart Phone, Model series XT2255, Antenna flex 4	0,053	0,053	100%	YES	
PWB and mixed Electronics	FK2211-00	22-237 Smart Phone, Model series XT2255, Antenna flex 5	0,033	0,033	100%	YES	
PWB and mixed Electronics	FK2213-00	22-237 Smart Phone, Model series XT2255, Backside camera 1	0,223	0,223	100%	YES	
PWB and mixed Electronics	FK2214-00	22-237 Smart Phone, Model series XT2255, Backside camera 2	0,312	0,312	100%	YES	
PWB and mixed Electronics	FK2215-00	22-237 Smart Phone, Model series XT2255, Backside camera 3	1,437	1,437	100%	YES	
PWB and mixed Electronics	FK2216-00	22-237 Smart Phone, Model series XT2255, Front camera	0,256	0,256	100%	YES	
PWB and mixed Electronics	FK2218-00	22-237 Smart Phone, Model series XT2255, Main PWB	12,803	12,803	100%	YES	
PWB and mixed Electronics	FK2219-01	22-237 Smart Phone, Model series XT2255, Battery, Flex	0,853	0,853	100%	YES	
PWB and mixed Electronics	FK2220-00	22-237 Smart Phone, Model series XT2255, Black connection cable	0,173	0,173	100%	YES	
PWB and mixed Electronics	FK2221-00	22-237 Smart Phone, Model series XT2255, White connection cable	0,225	0,225	100%	YES	
PWB and mixed Electronics	FK2222-00	22-237 Smart Phone, Model series XT2255, PWB Connection flex	0,578	0,578	100%	YES	
PWB and mixed Electronics	FK2223-00	22-237 Smart Phone, Model series XT2255, Sensor	0,143	0,143	100%	YES	
PWB and mixed Electronics	FK2224-00	22-237 Smart Phone, Model series XT2255, SUB PWB	1,652	1,652	100%	YES	
PWB and mixed Electronics	FK2225-00	22-237 Smart Phone, Model series XT2255, Speaker assembly	2,643	2,643	100%	YES	
PWB and mixed Electronics	FK2226-00	22-237 Smart Phone, Model series XT2255, Vibra call	0,901	0,901	100%	YES	
PWB and mixed Electronics	FK2227-00	22-237 Smart Phone, Model series XT2255, Top speaker	0,992	0,992	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
PWB and mixed Electronics	FK2228-00	22-237 Smart Phone, Model series XT2255, Power button flex	0,180	0,180	100%	YES	
PWB and mixed Electronics	FK2231-00	22-237 Smart Phone, Model series XT2255, Display LED flex	1,242	1,242	100%	YES	
Recyclable Plastic	FK2204-00	22-237 Smart Phone, Model series XT2255, Light guide	0,057	0,057	100%	YES	
Recyclable Plastic	FK2212-00	22-237 Smart Phone, Model series XT2255, Black plastic cover	7,625	7,625	100%	YES	
Recyclable Plastic	FK2236-02	22-237 Smart Phone, Model series XT2255, Black glue 2	0,081	0,081	100%	YES	
Recyclable Plastic	FK2241-03	22-237 Smart Phone, Model series XT2255, Black glue strip 3	0,001	0,001	100%	YES	
			165,081	120,402			

3. Fraction Assessment for recovery:

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Battery	FK2219-00	22-237 Smart Phone, Model series XT2255, Battery	64,065	64,065	100%	YES	
Copper alloy	FK2233-00	22-237 Smart Phone, Model series XT2255, Copper foil	3,595	3,595	100%	YES	
Copper alloy	FK2242-01	22-237 Smart Phone, Model series XT2255, Copper glue strip 1	0,177	0,177	100%	YES	
Copper alloy	FK2242-02	22-237 Smart Phone, Model series XT2255, Copper glue strip 2	0,025	0,025	100%	YES	
Copper alloy	FK2242-03	22-237 Smart Phone, Model series XT2255, Copper glue strip 3	0,496	0,496	100%	YES	
Ferrous alloy	FK2246-01	22-237 Smart Phone, Model series XT2255, Black screws 1	0,774	0,774	100%	YES	
Ferrous alloy	FK2246-02	22-237 Smart Phone, Model series XT2255, Black screw 2	0,042	0,042	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Glass	FK2232-00	22-237 Smart Phone, Model series XT2255, Front glass with LCD	18,620	18,620	100%	YES	
Non recyclable	FK2201-00	22-237 Smart Phone, Model series XT2255, SIM Card holder	0,415	0,415	100%	YES	
Non recyclable	FK2202-00	22-237 Smart Phone, Model series XT2255, Backside cover	6,969	6,969	100%	YES	
Non recyclable	FK2203-00	22-237 Smart Phone, Model series XT2255, Backside camera cover	3,052	3,052	100%	YES	
Non recyclable	FK2205-00	22-237 Smart Phone, Model series XT2255, Black plastic net 1	0,014	0,014	100%	YES	
Non recyclable	FK2206-00	22-237 Smart Phone, Model series XT2255, Black foam pads 1	0,020	0,020	100%	YES	
Non recoverable	FK2217-00	22-237 Smart Phone, Model series XT2255, Thermal paste	0,309	0	0%	NO	Non remeltable
Non recyclable	FK2229-00	22-237 Smart Phone, Model series XT2255, Humidity Indicator 1+2	0,002	0,002	100%	YES	
Non recyclable	FK2230-00	22-237 Smart Phone, Model series XT2255, Red rubber part 1+2	0,011	0,011	100%	YES	
Non recyclable	FK2234-00	22-237 Smart Phone, Model series XT2255, Back foil	1,811	1,811	100%	YES	
Non recoverable	FK2235-00	22-237 Smart Phone, Model series XT2255, Inner housing	27,470	0	0%	NO	Lead
Non recyclable	FK2236-01	22-237 Smart Phone, Model series XT2255, Black glue 1	0,283	0,283	100%	YES	
Non recyclable	FK2236-03	22-237 Smart Phone, Model series XT2255, Black glue 3	0,025	0,025	100%	YES	
Non recyclable	FK2237-01	22-237 Smart Phone, Model series XT2255, Black glue foil 1	0,655	0,655	100%	YES	
Non recyclable	FK2237-02	22-237 Smart Phone, Model series XT2255, Black glue foil 2	0,424	0,424	100%	YES	
Non recyclable	FK2237-03	22-237 Smart Phone, Model series XT2255, Black glue foil 3	0,618	0,618	100%	YES	
Non recyclable	FK2237-04	22-237 Smart Phone, Model series XT2255, Black glue foil 4	0,048	0,048	100%	YES	
Non recyclable	FK2237-05	22-237 Smart Phone, Model series XT2255, Black glue foil 5	0,908	0,908	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	FK2237-06	22-237 Smart Phone, Model series XT2255, Black glue foil 6	0,457	0,457	100%	YES	
Non recyclable	FK2238-01	22-237 Smart Phone, Model series XT2255, Black shock pad 1	0,203	0,203	100%	YES	
Non recyclable	FK2238-02	22-237 Smart Phone, Model series XT2255, Black shock pad 2	0,001	0,001	100%	YES	
Non recyclable	FK2238-03	22-237 Smart Phone, Model series XT2255, Black shock pad 3	0,022	0,022	100%	YES	
Non recyclable	FK2238-04	22-237 Smart Phone, Model series XT2255, Black shock pad 4	0,014	0,014	100%	YES	
Non recyclable	FK2238-05	22-237 Smart Phone, Model series XT2255, Black shock pad 5	0,007	0,007	100%	YES	
Non recyclable	FK2238-06	22-237 Smart Phone, Model series XT2255, Black shock pad 6	0,009	0,009	100%	YES	
Non recyclable	FK2238-07	22-237 Smart Phone, Model series XT2255, Black shock pad 7	0,011	0,011	100%	YES	
Non recyclable	FK2238-08	22-237 Smart Phone, Model series XT2255, Black shock pad 8	0,009	0,009	100%	YES	
Non recyclable	FK2238-09	22-237 Smart Phone, Model series XT2255, Black shock pad 9	0,003	0,003	100%	YES	
Non recyclable	FK2238-10	22-237 Smart Phone, Model series XT2255, Black shock pad 10	0,006	0,006	100%	YES	
Non recyclable	FK2238-11	22-237 Smart Phone, Model series XT2255, Black shock pad 11	0,005	0,005	100%	YES	
Non recyclable	FK2238-12	22-237 Smart Phone, Model series XT2255, Black shock pad 12	0,005	0,005	100%	YES	
Non recyclable	FK2238-13	22-237 Smart Phone, Model series XT2255, Black shock pad 13	0,020	0,020	100%	YES	
Non recyclable	FK2238-14	22-237 Smart Phone, Model series XT2255, Black shock pad 14	0,009	0,009	100%	YES	
Non recyclable	FK2238-15	22-237 Smart Phone, Model series XT2255, Black shock pad 15	0,001	0,001	100%	YES	
Non recyclable	FK2238-16	22-237 Smart Phone, Model series XT2255, Black shock pad 16	0,009	0,009	100%	YES	
Non recyclable	FK2239-01	22-237 Smart Phone, Model series XT2255, Label 1	0,009	0,009	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	FK2239-02	22-237 Smart Phone, Model series XT2255, Label 2	0,009	0,009	100%	YES	
Non recyclable	FK2239-03	22-237 Smart Phone, Model series XT2255, Label 3	0,002	0,002	100%	YES	
Non recyclable	FK2239-04	22-237 Smart Phone, Model series XT2255, Label 4	0,009	0,009	100%	YES	
Non recyclable	FK2239-05	22-237 Smart Phone, Model series XT2255, Label 5	0,003	0,003	100%	YES	
Non recyclable	FK2240-01	22-237 Smart Phone, Model series XT2255, Clear glue foil 1	0,001	0,001	100%	YES	
Non recyclable	FK2240-02	22-237 Smart Phone, Model series XT2255, Clear glue foil 2	0,005	0,005	100%	YES	
Non recyclable	FK2240-03	22-237 Smart Phone, Model series XT2255, Clear glue foil 3	0,192	0,192	100%	YES	
Non recyclable	FK2240-04	22-237 Smart Phone, Model series XT2255, Clear glue foil 4	0,003	0,003	100%	YES	
Non recyclable	FK2240-05	22-237 Smart Phone, Model series XT2255, Clear glue foil 5	0,001	0,001	100%	YES	
Non recyclable	FK2241-01	22-237 Smart Phone, Model series XT2255, Black glue strip 1	0,001	0,001	100%	YES	
Non recyclable	FK2241-02	22-237 Smart Phone, Model series XT2255, Black glue strip 2	0,001	0,001	100%	YES	
Non recyclable	FK2243-01	22-237 Smart Phone, Model series XT2255, Metallic glue strip 1	0,004	0,004	100%	YES	
Non recyclable	FK2243-02	22-237 Smart Phone, Model series XT2255, Metallic glue strip 2	0,006	0,006	100%	YES	
Non recyclable	FK2243-03	22-237 Smart Phone, Model series XT2255, Metallic glue strip 3	0,037	0,037	100%	YES	
Non recyclable	FK2243-04	22-237 Smart Phone, Model series XT2255, Metallic glue strip 4	0,107	0,107	100%	YES	
Non recyclable	FK2243-05	22-237 Smart Phone, Model series XT2255, Metallic glue strip 5	0,075	0,075	100%	YES	
Non recyclable	FK2243-06	22-237 Smart Phone, Model series XT2255, Metallic glue strip 6	0,083	0,083	100%	YES	
Non recyclable	FK2244-01	22-237 Smart Phone, Model series XT2255, Metallic shock pad 1	0,008	0,008	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	FK2244-02	22-237 Smart Phone, Model series XT2255, Metallic shock pad 2	0,003	0,003	100%	YES	
Non recyclable	FK2244-03	22-237 Smart Phone, Model series XT2255, Metallic shock pad 3+4	0,044	0,044	100%	YES	
Non recoverable	FK2245-01	22-237 Smart Phone, Model series XT2255, Black rubber cover 1	0,148	0	0%	NO	Non combustible
Non recoverable	FK2245-02	22-237 Smart Phone, Model series XT2255, Black rubber cover 2	0,103	0	0%	NO	Non combustible
PWB and mixed Electronics	FK2207-00	22-237 Smart Phone, Model series XT2255, Antenna flex 1	0,078	0,078	100%	YES	
PWB and mixed Electronics	FK2208-00	22-237 Smart Phone, Model series XT2255, Antenna flex 2	0,045	0,045	100%	YES	
PWB and mixed Electronics	FK2209-00	22-237 Smart Phone, Model series XT2255, Antenna flex 3	0,022	0,022	100%	YES	
PWB and mixed Electronics	FK2210-00	22-237 Smart Phone, Model series XT2255, Antenna flex 4	0,053	0,053	100%	YES	
PWB and mixed Electronics	FK2211-00	22-237 Smart Phone, Model series XT2255, Antenna flex 5	0,033	0,033	100%	YES	
PWB and mixed Electronics	FK2213-00	22-237 Smart Phone, Model series XT2255, Backside camera 1	0,223	0,223	100%	YES	
PWB and mixed Electronics	FK2214-00	22-237 Smart Phone, Model series XT2255, Backside camera 2	0,312	0,312	100%	YES	
PWB and mixed Electronics	FK2215-00	22-237 Smart Phone, Model series XT2255, Backside camera 3	1,437	1,437	100%	YES	
PWB and mixed Electronics	FK2216-00	22-237 Smart Phone, Model series XT2255, Front camera	0,256	0,256	100%	YES	
PWB and mixed Electronics	FK2218-00	22-237 Smart Phone, Model series XT2255, Main PWB	12,803	12,803	100%	YES	
PWB and mixed Electronics	FK2219-01	22-237 Smart Phone, Model series XT2255, Battery, Flex	0,853	0,853	100%	YES	
PWB and mixed Electronics	FK2220-00	22-237 Smart Phone, Model series XT2255, Black connection cable	0,173	0,173	100%	YES	
PWB and mixed Electronics	FK2221-00	22-237 Smart Phone, Model series XT2255, White connection cable	0,225	0,225	100%	YES	
PWB and mixed Electronics	FK2222-00	22-237 Smart Phone, Model series XT2255, PWB Connection flex	0,578	0,578	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
PWB and mixed Electronics	FK2223-00	22-237 Smart Phone, Model series XT2255, Sensor	0,143	0,143	100%	YES	
PWB and mixed Electronics	FK2224-00	22-237 Smart Phone, Model series XT2255, SUB PWB	1,652	1,652	100%	YES	
PWB and mixed Electronics	FK2225-00	22-237 Smart Phone, Model series XT2255, Speaker assembly	2,643	2,643	100%	YES	
PWB and mixed Electronics	FK2226-00	22-237 Smart Phone, Model series XT2255, Vibra call	0,901	0,901	100%	YES	
PWB and mixed Electronics	FK2227-00	22-237 Smart Phone, Model series XT2255, Top speaker	0,992	0,992	100%	YES	
PWB and mixed Electronics	FK2228-00	22-237 Smart Phone, Model series XT2255, Power button flex	0,180	0,180	100%	YES	
PWB and mixed Electronics	FK2231-00	22-237 Smart Phone, Model series XT2255, Display LED flex	1,242	1,242	100%	YES	
Recyclable Plastic	FK2204-00	22-237 Smart Phone, Model series XT2255, Light guide	0,057	0,057	100%	YES	
Recyclable Plastic	FK2212-00	22-237 Smart Phone, Model series XT2255, Black plastic cover	7,625	7,625	100%	YES	
Recyclable Plastic	FK2236-02	22-237 Smart Phone, Model series XT2255, Black glue 2	0,081	0,081	100%	YES	
Recyclable Plastic	FK2241-03	22-237 Smart Phone, Model series XT2255, Black glue strip 3	0,001	0,001	100%	YES	
			165,081	137,051			