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Product Equality Declaration

Date: February 25, 2020

We, HMD Global Oy declare on our sole responsibility for the product of TA-1234, TA-1229, the detail differences as below:

1. Frequency band difference

SKU	SKU1 DS	SKU2 SS
Model	TA-1234	TA-1229
SIM slot	Double SIM	Single SIM
GSM 850	824 - 849 MHz, 869 - 894 MHz	824 - 849 MHz, 869 - 894 MHz
GSM 900	880 - 915 MHz, 925 - 960 MHz	880 - 915 MHz, 925 - 960 MHz
GSM 1800	1710 - 1785 MHz, 1805 - 1880 MHz	1710 - 1785 MHz, 1805 - 1880 MHz
GSM 1900	1850 - 1910 MHz, 1930 - 1990 MHz	1850 - 1910 MHz, 1930 - 1990 MHz
WCDMA 1	1920 – 1980 MHz, 2110 – 2170 MHz	1920 – 1980 MHz, 2110 – 2170 MHz
WCDMA 2	1850 – 1910 MHz, 1930 – 1990 MHz	1850 – 1910 MHz, 1930 – 1990 MHz
WCDMA 4	/	1710 – 1755 MHz, 2110 – 2155 MHz
WCDMA 5	824 - 849 MHz, 869 - 894 MHz	824 - 849 MHz, 869 - 894 MHz
WCDMA 8	880 - 915 MHz, 925 - 960 MHz	880 - 915 MHz, 925 - 960 MHz
LTE 1	1920 – 1980 MHz, 2110 – 2170 MHz	1920 – 1980 MHz, 2110 – 2170 MHz
LTE 2	/	1850 – 1910 MHz, 1930 – 1990 MHz
LTE 3	1710 – 1785 MHz, 1805 – 1880 MHz	1710 – 1785 MHz, 1805 – 1880 MHz
LTE 4	/	1710 – 1755 MHz, 2110 – 2155 MHz
LTE 5	824 - 849 MHz, 869 - 894 MHz	824 - 849 MHz, 869 - 894 MHz
LTE 7	2500 - 2570 MHz, 2620 – 2690 MHz	2500 - 2570 MHz, 2620 – 2690 MHz
LTE 8	880 - 915 MHz, 925 - 960 MHz	880 - 915 MHz, 925 - 960 MHz
LTE 12	/	699 – 716 MHz, 729 – 746 MHz
LTE 17	/	704 – 716 MHz, 734 – 746 MHz
LTE 13	/	777– 787 MHz, 746 – 756 MHz
LTE 20	832 – 862 MHz, 791 – 821 MHz	/
LTE 28	703 – 748 MHz, 758 – 803 MHz	703 – 748 MHz, 758 – 803 MHz
LTE 38	2570 – 2620 MHz	2570 – 2620 MHz
LTE 40	2300 – 2400 MHz	/
LTE 41	2535 – 2655 MHz	/
LTE 66	/	1710 – 1780 MHz, 2110-2180
LTE 38	/	
WLAN	2.4G/5G	2.4G/5G
Bluetooth	2402–2480 MHz	2402–2480 MHz

NFC	13.56 MHZ	13.56 MHZ

2. Board difference

SKU		SKU1 DS	SKU2 SS
Model		TA-1234	TA-1229
WWAN	IC	SM-6125	
	Component on PCB	See part 3: Band circuit difference for details.	
	Antenna	Same across all SKUs	
BT	IC	WCN3950	
	Component on PCB	Same across all SKUs	
	Antenna	Same across all SKUs	
WLAN 2.4GHz/5GHz	IC	WCN3950	
	Component on PCB	Same across all SKUs	
	Antenna	Same across all SKUs	

3. Band circuit difference

SKU	SKU1 DS	SKU2 SS
Model	TA-1234	TA-1229
B1 Duplexer(1814)	Same across	Same across
B2 Duplexer(1814)	User rx saw SAFFB1G96AB0F0AR1* for GSM900	Use Duplexer SAYEY1G88BA0B0A for GSM900 and band2
B3 Duplexer(1814)	Same across	Same across
B4 Duplexer(1814)	Same across	Same across
B5 Duplexer(1814)	Same across	Same across
B7 Duplexer(1814)	Same across	Same across
B8 Duplexer(1814)	Same across	Same across
B12/17 Duplexer(1814)	Same across	Same across
B20 Duplexer(1814)	Same across	Same across
B28A Duplexer(1814)	Same across	Same across
B28B Duplexer(1814)	Same across	Same across
B40 TRX_SAW	Same across	Same across
B40 DRX SAW	Same across	Same across
B38/41 TRX SAW	Same across	Same across
B38/41 DRX SAW	Same across	Same across
B1&3 DRx SAW	Same across	Same across
B2 DRx SAW	Same across	Same across
B5 DRx SAW	Same across	Same across
B7 DRx SAW	Same across	Same across
B8 DRX SAW	Same across	Same across

B20 DRX SAW	Same across	Same across
B28 DRX SAW	Same across	Same across

4. HW section

- RF trace: same across SKUs.

- PCB layout: same across SKUs.

- PCBA: for any DS/SS models under the same SKU the same PCBA will be used. For example, SKU1 DS/SS will share the same PCBA and the only difference is that SS model will have only one SIM slot. PCBA of each SKU is unique because the RF components will differ from SKU to SKU.

- WLAN/BT/GPS/Diversity antenna type, antenna pattern, antenna location, antenna matching value and chipset: Same across all SKUs

Except listings above, the others are all the same.
Should you have any questions or comments regarding this matter, please have my best attentions.

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