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Product Equality Declaration

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We, HMD Global Oy declare on our sole responsibility for the product of SKU1(TA-1196), SKU2(TA-1178), the detail differences as below:

1. Frequency band difference

Bands/Modes	HMD	HMD
Model	DS: TA-1196	SS:TA-1178
FCC ID	DS: 2AJOTTA-1196	SS:2AJOTTA-1178
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
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	/
LTE 40	2300 – 2400 MHz	/
LTE 41	2535 – 2655 MHz	/
LTE 66	/	1710 – 1780 MHz, 2110 – 2180 MHz
WLAN	2.4G/5G	2.4G/5G
Bluetooth	2402–2480 MHz	2402–2480 MHz
NFC	13.56 MHZ	13.56 MHZ

2. Board difference

		SKU1	SKU2
WWAN	IC	SDR660	
	Component on PCB	See part 3: Band circuit difference for details.	
	Antenna	See part 4: Same across ROW and LATAM	
BT	IC	WCN3980	
	Component on PCB	Same across all SKUs	
	Antenna	See part 4: Same across ROW and LATAM	
WLAN 2.4GHz/5GHz	IC	WCN3980	
	Component on PCB	Same across all SKUs	
	Antenna	See part 4: Same across ROW and LATAM	

3. Band circuit difference

Commodity	SKU1	SKU2
B1 Duplexer(1814)	Quadplexer_ K6QZ2G140Q3ZC	SFXG50FY902
B2 Duplexer(1814)	/	Quadplexer_ K6QZ2G140Q3ZC
B3 Duplexer(1814)	Quadplexer_ K6QZ2G140Q3ZC	D6DA1G842K2C7-Z
B4 Duplexer(1814)	/	Quadplexer_ K6QZ2G140Q3ZC
B5 Duplexer(1814)	SFX836EYJ02	SFX836EYJ02
B7 Duplexer(1814)	SD18-2535R8UUB1	SD18-2535R8UUB1
B8 Duplexer(1814)	SFX897FYT02	SFX897FYT02
B12/17 Duplexer(1814)	/	PJD5DA737M5K2H2-Z
B13 Duplexer(1814)	/	LF1005-NR77NBA
B20 Duplexer(1814)	PJD5DA737M5K2H2-Z	/
B28A Duplexer(1814)	SAYEY718MBC0F0AR0*	SAYEY718MBC0F0AR0*
B28B Duplexer(1814)	SAYEY733MBC0F0AR0*	SAYEY733MBC0F0AR0*
B66 Duplexer(1814)	/	Quadplexer_ K6QZ2G140Q3ZC
B40 TRX_SAW	SFDG35CQC02	/
B40 DRX SAW	HDFB40DRSS-B5	/
B38/41 TRX SAW	SFDG26AA402	/
B38/41 DRX SAW	SFHG96AA402	/
B1 DRx dual_SAW	SAWFD1G84AA0F0AR15	SAWFD1G84AA0F0AR15
B3 DRx dual_SAW	SAWFD1G84AA0F0AR15	MS11U1G84-RX03S
B2/DCS1900 DRx SAW	SAFFB1G96AB0F0AR1*	SAWFD1G84AA0F0AR15
B4 DRx SAW	/	SAWFD1G84AA0F0AR15
B5 DRx SAW	SWRA881MUA01	SWRA881MUA01
B7 DRx SAW	MS11U2G65-RX07C	MS11U2G65-RX07C
B8 DRX SAW	SWRA942MUA01	SWRA942MUA01
B20 DRX SAW	SFH806DA402	/
B28 DRX SAW	SFH780AA402	SFH780AA402
B66 DRX SAW	/	SAWFD1G84AA0F0AR15

4. HW section

- RF trace: same across SKU1 and SKU2.

- PCB layout: same across SKU1 and SKU2.

- 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 SKU1 and SKU2.

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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