SONY

Sony Mobile Communications International AB
2 International Business Park #01-10 Tower One The Strategy Singapore 609930 Tel +65 6880 8388 Fax +65 6793 2311

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Ms Woo Yim Leng
Senior Manager (Resource Management & Standards)
Info-communications Media Development Authority
10 Pasir Panjang Road
#10-01 Mapletree Business City
Singapore 117438

Revision of the Technical Specification for Cellular Mobile Terminal (IMDA TS CMT Issue 1)

With reference to IMDA request for comments to the above.

Sony Mobile would like to feedback on point 5.1 Operating Frequencies
In specific, with reference to E-UTRAN Band 38 & 40, which IMDA has specified to operate within the ranges 2570-2615MHz & 2300-2340MHz respectively

5.1 Operating Frequencies

5.1.1 The CMT shall operate within the frequency bands given in Table1.

Table 1: CMT Operating Frequency Bands

UTRA FDD Band	E-UTRAN Band	Direction of Transmission	Frequency Range
I	1	Transmit	1920 MHz – 1980 MHz
		Receive	2110 MHz – 2170 MHz
III	3	Transmit	1710 MHz – 1785 MHz
		Receive	1805 MHz – 1880 MHz
VII	7	Transmit	2500 MHz – 2570 MHz
		Receive	2620 MHz – 2690 MHz
VIII	8	Transmit	880 MHz – 915 MHz
		Receive	925 MHz – 960 MHz
-	38	Transmit and Receive	2570 MHz – 2615 MHz Note 1
-	40	Transmit and Receive	2300 MHz – 2340 MHz Note 2

Note 1: CMT operating in band 38 shall only transmit and receive within the indicated frequency range.
Note 2: CMT operating in band 40 shall only transmit and receive within the indicated frequency range.

5.1.2 The precise operating frequency range of a CMT shall follow that of the Network Operator from whom the service is obtained.

Sony Mobile would like to encourage IMDA to adopt the frequency range as proposed in 3GPP TS 36.101 (3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception).
Wherein the E-UTRAN Band 38 & 40 operating frequencies are within the ranges 2570-2620MHz & 2300-2400MHz respectively.

Below please see excerpt from the mentioned 3GPP document for reference.

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5.5 Operating bands

E-UTRA is designed to operate in the operating bands defined in Table 5.5-1.

Table 5.5-1 E-UTRA operating bands

E-UTRA Operating Band	Uplink (UL) operating band BS receive UE transmit	Downlink (DL) operating band BS transmit UE receive	Duplex Mode
	F_{UL_low} – F_{UL_high}	F_{DL_low} – F_{DL_high}	
1	1920 MHz – 1980 MHz	2110 MHz – 2170 MHz	FDD
2	1850 MHz – 1910 MHz	1930 MHz – 1990 MHz	FDD
3	1710 MHz – 1785 MHz	1805 MHz – 1880 MHz	FDD
4	1710 MHz – 1755 MHz	2110 MHz – 2155 MHz	FDD
5	824 MHz – 849 MHz	869 MHz – 894MHz	FDD
6	830 MHz – 840 MHz	875 MHz – 885 MHz	FDD
7	2500 MHz – 2570 MHz	2620 MHz – 2690 MHz	FDD
8	880 MHz – 915 MHz	925 MHz – 960 MHz	FDD
9	1749.9 MHz – 1784.9 MHz	1844.9 MHz – 1879.9 MHz	FDD
10	1710 MHz – 1770 MHz	2110 MHz – 2170 MHz	FDD
11	1427.9 MHz – 1447.9 MHz	1475.9 MHz – 1495.9 MHz	FDD
12	698 MHz – 716 MHz	728 MHz – 746 MHz	FDD
13	777 MHz – 787 MHz	746 MHz – 756 MHz	FDD
14	788 MHz – 798 MHz	758 MHz – 768 MHz	FDD
17	704 MHz – 716 MHz	734 MHz – 746 MHz	FDD
...			
33	1900 MHz – 1920 MHz	1900 MHz – 1920 MHz	TDD
34	2010 MHz – 2025 MHz	2010 MHz – 2025 MHz	TDD
35	1850 MHz – 1910 MHz	1850 MHz – 1910 MHz	TDD
36	1930 MHz – 1990 MHz	1930 MHz – 1990 MHz	TDD
37	1910 MHz – 1930 MHz	1910 MHz – 1930 MHz	TDD
38	2570 MHz – 2620 MHz	2570 MHz – 2620 MHz	TDD
39	1880 MHz – 1920 MHz	1880 MHz – 1920 MHz	TDD
40	2300 MHz – 2400 MHz	2300 MHz – 2400 MHz	TDD

For your consideration.

Thank you.

Yours sincerely,

Jesper Hansen
Senior Manager
Customer Portfolio Management SEAO & India
Sony Mobile Communications International AB
2 International Business Park
#1-10 Tower One The Strategy
Singapore 609930
Tel: +65 68808451