FCC ID : MQ4WR5208

No simultaneous SAR justification

Per "648474 D01 SAR Handsets Multi Xmiter and Ant, v01r05", Test mode of SAR is as below

Test mode	Test channel	Max sar value (W/kg)	Remark
11b	Highest power	0.15	less than 0.8W/kg , other channels is unnecessary
USB Dongle	NA	1.6W/kg	This condition is defined by FCC in tracking No.948528

Max SAR value (W/ kg) of each mode :

Test mode	BODY
11b	0.15
USB Dongle	1.6

Distance between 2 Peak SAR location

For Router
Peak SAR location is measured.

For USB dongle
Peak SAR location is defined by FCC in tracking no.:948528

"Assume the dongle has 1.6 W/kg SAR and apply the SAR to peak location ratio in KDB 648474 30 to determine simultaneous transmission SAR test exclusion or evaluation requirements. Assume the peak SAR location on the dongle is at 2 cm from the USB connector end of the dongle (measurement without including the connector) "

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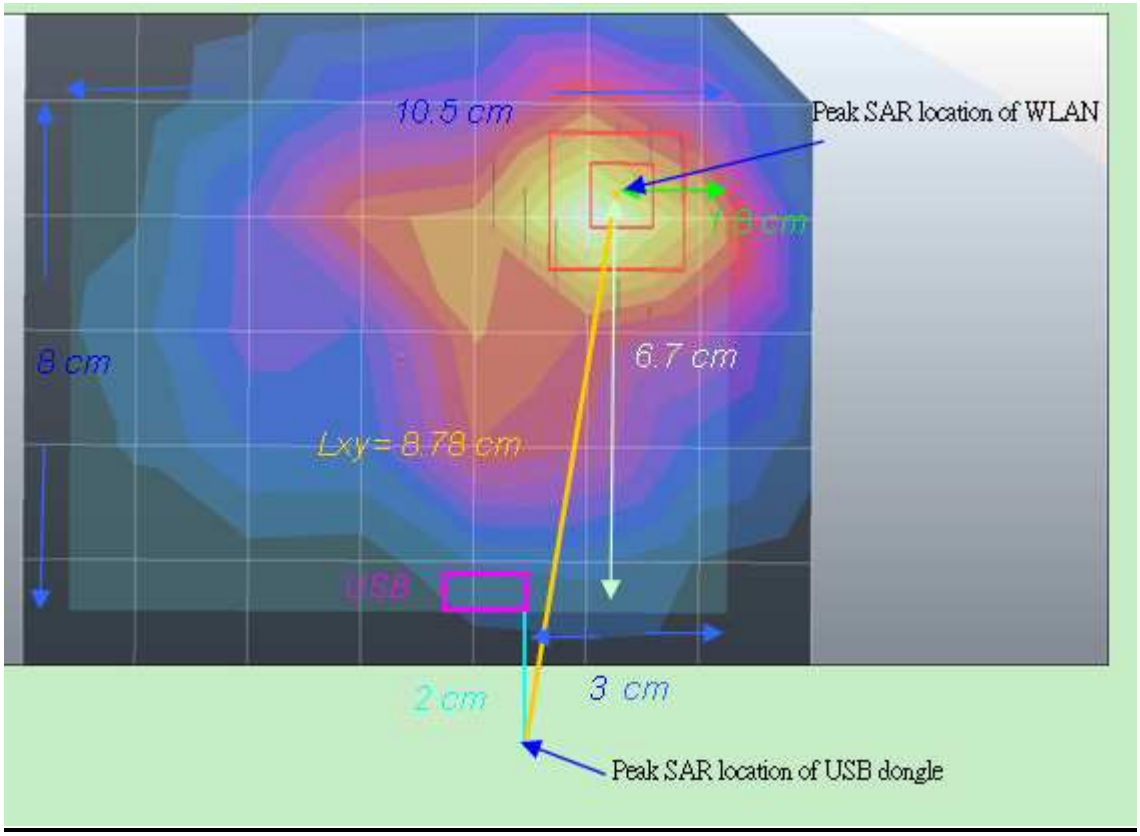

Lxy = Distance between 2 peak sar location

$= \sqrt{((6.7+2)^2 + (3 - 1.8)^2)}$

=8.78 cm

Conclusion:

Sum of SAR = 0.15 + 1.6 = 1.75 W/kg

Distance between 2 Peak SAR location = 8.78cm

SPLSR = 1.75 / 8.78 =0.199 < 0.3

Accordingly, simultaneous Transmission SAR is not required for this EUT