FCC ID : NM8RAPH800

No simultaneous SAR justification

Per " 648474 D01 SAR Handsets Multi Xmiter and Ant v01r02" , Test mode of SAR is as below :

License device:

Low, middle , and high channels are tested .

Unlicensed device (11b/g):

Highest output power channel of 11b / g mode are tested and max SAR is 0.081 W/kg < 0.8 W/kg, SAR evaluation for other channels is unnecessary.

Unlicensed device (Bluetooth):

Distance between Bluetooth antenna and Mobile phone antenna is 7.409 cm > 5 cm and highest output power is 0.908mW < 2 x 12mW (P_{ref}) , stand-alone Sar is unnecessary.

Per " 648474 D01 SAR Handsets Multi Xmiter and Ant v01r02" , EUT complies with following condition:

1) For licensed GSM and unlicensed WLAN, the SAR to antenna separation ratio of simultaneous transmitting antenna pairs are all < 0.3
2) Sum of SAR is 0.98 W/kg < 1.6 W/kg

Accordingly, simultaneous Transmission SAR is not required for this EUT.

Please refer to" OpDes-Antenna_NM8RAPH800 " for TX separation distance and individual SAR value. Separation distance (cm)

	GSM	WLAN	Bluetooth
GSM		7.409	7.409
WLAN	7.409		0
Bluetooth	7.409	0	

Note :The EUT used the same antenna in Wireless LAN & Bluetooth function, but the two functions can not work at the same time.

SAR value (W/kg)

Tx	Max SAR (W/kg) for Head	Max SAR (W/kg) for Body
GSM	0.908	0.734
WLAN	0.072	0.081