

FCC ID : NM8RAPH700

No simultaneous SAR justification

Per "648474 D01 SAR Handsets Multi Xmitter and Ant v01r03", 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 0.364 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 7.16 cm > 5 cm and highest output power is 0.931mW < 2 x 12mW (Pref), stand-alone SAR is unnecessary.

Per "648474 D01 SAR Handsets Multi Xmitter and Ant v01r03", EUT complies with following condition:

- 1) Distance between GSM and 11b/g antenna is 7.16cm > 5cm
Distance between GSM and Bluetooth antenna is 7.16 cm > 5cm
- 2) Sum of SAR is 0.88 W/kg < 1.6 W/kg

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

Please refer to" OpDes-Antenna_ NM8RAPH500 " for TX separation distance and individual SAR value. Separation distance (cm)

	GSM	WLAN	Bluetooth
GSM		7.16	7.16
WLAN	7.16		0
Bluetooth	7.16	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	0.438	0.442
WLAN	0.107	0.364