

FCC ID : NM8DIAM500

No simultaneous SAR justification

Per “ 648474 D01 SAR Handsets Multi Xmitter 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 $0.14 \text{ W/kg} < 0.8 \text{ W/kg}$, SAR evaluation for other channels is unnecessary.

Unlicensed device (Bluetooth):

Distance between Bluetooth antenna and Mobile phone antenna is 7.922 cm $> 5 \text{ cm}$ and highest output power is $1.219\text{mW} < 2 \times 12\text{mW} (P_{\text{ref}})$, stand-alone Sar is unnecessary.

Per “ 648474 D01 SAR Handsets Multi Xmitter 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 $0.914 \text{ W/kg} < 1.6 \text{ W/kg}$

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

Please refer to following photos for TX separation distance and individual SAR value.
Separation distance (cm)

	GSM	WLAN	Bluetooth
GSM		7.922	7.922
WLAN	7.922		0
Bluetooth	7.922	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	0.673	0.857
WLAN	0.14	0.057