# FCC ID : NM8RHOD500

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 |
|---|---|---|---|
| CDMA | Low ,middle, High | 1.41 | |
| 11 b/g | Highest power | 0.198 | less than 0.8W/kg , other channels is unnecessary |
| Bluetooth | na | na | Distance between Bluetooth and CDMA antenna is 9 cm > 5cm and highest output power is 0.993 mW < 60/f(GHz) mW. Therefore, stand-alone SAR is unnecessary |

**Max SAR value of each mode :**

| Test mode | Max sar value of head ( W/kg ) | Max sar value of body ( W/kg ) |
|---|---|---|
| CDMA | 1.41 | 0.589 |
| 11 b/g | 0.093 | 0.198 |
| Bluetooth | na | na |

**Distance between antennas ( cm ) :**

| | CDMA | WLAN | BT |
|---|---|---|---|
| CDMA | | 9 | 9 |
| WLAN | 9 | | 0 |
| BT | 9 | 0 | |

Note

1) The EUT used the same antenna for Wireless LAN & Bluetooth function, but the two functions CAN NOT be used at the same time.

2) Please refer to" OpDes-Antenna_ NM8RHOD500 " for antenna separation distance

**Conclusion:**

1. Antenna Separation is 9cm > 5cm
2. Sum of SAR is 1.41+0.198=1.608 W / kg > 1.6 W/kg

SPLSRxy = (SARx+SARy) / Lxy

SPLSRxy= 1.608 / 7.4*= 0.217 < 0.3

( * Peak-locations spacing, please check P2 )

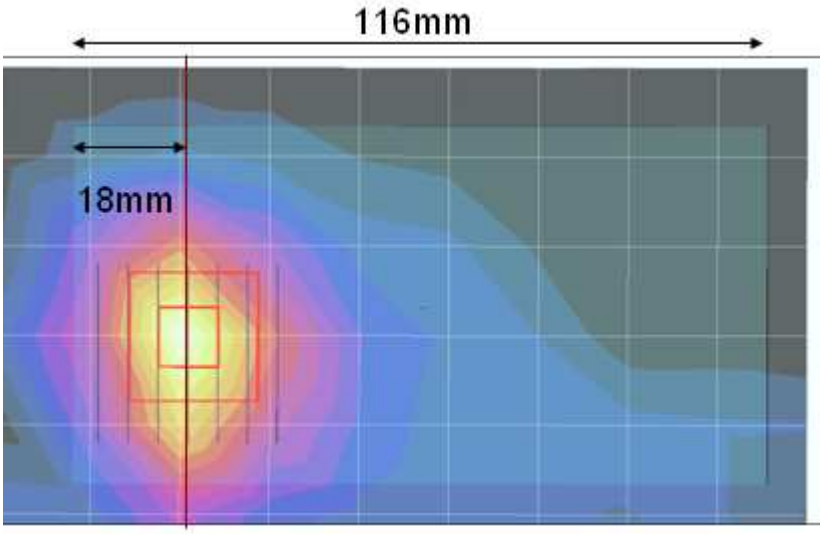
Accordingly, simultaneous Transmission SAR is not required for this EUT

**Peak-locations spacing**

The length of EUT is 116mm.
Peak SAR location of CDMA is 18mm away from top of EUT
Peak SAR location of WLAN is 92mm away from top of EUT
Peak-locations spacing = 92mm -18mm =74mm=7.4cm

**CDMA Peak SAR location**

M26 of Test Rpt-SAR (Mobile-1)_NM8RHOD500




**WLAN Peak SAR location**

M07 of Test Rpt-SAR (15C-WLAN-1)_NM8RHOD500