FCC ID : TX2-RTL8192EHMC

No simultaneous SAR justification

Per “447498 D01 Mobile Portable RF Exposure v03r03” , Test mode of SAR is as below

Test mode	Test channel	Max sar value (W/kg)	Remark
11 b	Highest power	0.031	less than 0.8W/kg , other channels is unnecessary
11 g	Highest power	0.035	less than 0.8W/kg , other channels is unnecessary
11n 20MHz	Highest power	0.050	less than 0.8W/kg , other channels is unnecessary
11n 40MHz	Highest power	0.035	less than 0.8W/kg , other channels is unnecessary

Test mode	Test channel	Max sar value (W/kg)	Remark
Bluetooth	na	na	Distance between Bluetooth and CDMA antenna is 30cm > 5cm and highest output power is 3.1 mW < 60/f(GHz) mW. Therefore, stand-alone SAR is unnecessary

Distance between antennas (cm) :

	WLAN 1	WLAN 2	BT
WLAN 1		12.5	34
WLAN 2	12.5		30
BT	34	30	

Note

Please refer to” OpDes-Antenna_ TX2-RTL8192EHMC “ for antenna separation distance

Conclusion:

1. Antenna Separation is 30cm > 5cm
2. Sum of SAR is 0.050 W / kg < 1.6 W/kg

Accordingly, simultaneous Transmission SAR is not required for this EUT