

Annex I. Analysis of Simultaneous Transmission SAR.

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Head Exposure Condition	Body Exposure Condition	Hotspot Exposure Condition	Extremity Exposure Condition
A	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
B	WWAN + WLAN 5GHz	Yes	Yes	Yes	Yes
C	WWAN + BT	Yes	Yes	Yes	Yes
D	WWAN + WLAN 5GHz +BT	Yes	Yes	Yes	Yes
Notes	1. The WLAN 2.4GHz and BT cannot transmit simultaneously. 2. Simultaneous TX Combination B, C can be covered by D				

Simultaneous Transmission SAR Evaluation (Head)						
Position	1	2	3	4	A(1+2)	D(1+3+4)
	Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	BT Ant 0	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
Right Cheek	0.41	0.18	0.07	0.05	0.59	0.53
Right Tilted	0.27	0.06	0.03	0.00	0.33	0.30
Left Cheek	0.66	0.11	0.05	0.00	0.77	0.71
Left Tilted	0.32	0.06	0.03	0.00	0.38	0.35

Simultaneous Transmission SAR Evaluation(Body-worn)						
Position	1	2	3	4	A(1+2)	D(1+3+4)
	Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	BT Ant 0	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
Front Face	0.73	0.00	0.00	0.00	0.73	0.73
Rear Face	0.78	0.12	0.23	0.03	0.90	1.04

Simultaneous Transmission SAR Evaluation (Hotspot)						
Position	1	2	3	4	A(1+2)	D(1+3+4)
	Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	BT Ant 0	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
Front Face	0.62	0.06	0.06	0.00	0.68	0.68
Rear Face	1.12	0.26	0.21	0.07	1.38	1.40
Left Side	0.78	0.18	0.11	0.00	0.96	0.89
Right Side	0.40	0.00	0.00	0.00	0.40	0.40
Top Side	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Side	0.99	0.00	0.00	0.00	0.99	0.99

Simultaneous Transmission SAR Evaluation (Extremity)			
Position	1	3	B(1+3)
	Max WWAN	Max WLAN 5GHz	Summimg result
	10g SAR W/kg	10g SAR W/kg	10g SAR W/kg
Front Face	2.30	0.06	2.36
Rear Face	2.83	0.64	3.47
Left Side	1.73	0.04	1.77
Right Side	1.01	0.00	1.01
Top Side	0.00	0.00	0.00
Bottom Side	1.99	0.00	1.99