

Testing Appendix

Appendix H. Analysis of Simultaneous Transmission

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.

< Tablet & Laptop Mode >

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
A	WLAN2.4G Ant 2 + BT Ant 1	Yes
B	WLAN5G Ant 2 + BT Ant 1	Yes
C	WLAN5G Ant 1 + BT Ant 1	Yes
D	WLAN5G Ant (1+2) + BT Ant 1	Yes
E	WLAN6G Ant 2 + BT Ant 1	Yes
F	WLAN6G Ant 1 + BT Ant 1	Yes
G	WLAN6G Ant (1+2) + BT Ant 1	Yes

Simultaneous Transmission SAR Evaluation (Tablet Mode)									
Position	Test Gap (mm)	1	2	3	4	5	6	7	8
		WLAN 2.4GHz Ant 2	Max WLAN 5GHz Ant 1	Max WLAN 5GHz Ant 2	Max WLAN 5GHz Ant 1+2	Max WLAN 6GHz Ant 1	Max WLAN 6GHz Ant 2	Max WLAN 6GHz Ant 1+2	Max BT Ant 1
Right Side	0	1.153	0.021	1.029	0.233	0.032	0.175	0.038	0.000
Left Side	0	0.040	0.740	0.169	0.282	0.206	0.029	0.058	0.066

Simultaneous Transmission SAR Evaluation (Tablet Mode)						
A (1+8)	B (3+8)	C (2+8)	D (4+8)	E (6+8)	F (5+8)	G (7+8)
Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg
1.153	1.029	0.021	0.233	0.175	0.032	0.038
0.106	0.235	0.806	0.348	0.095	0.272	0.124

Simultaneous Transmission SAR Evaluation (Laptop Mode)									
Position	Test Gap (cm)	1	2	3	4	5	6	7	8
		WLAN 2.4GHz Ant 2	Max WLAN 5GHz Ant 1	Max WLAN 5GHz Ant 2	Max WLAN 5GHz Ant 1+2	Max WLAN 6GHz Ant 1	Max WLAN 6GHz Ant 2	Max WLAN 6GHz Ant 1+2	Max BT Ant 1
Bottom	0	1.193	0.309	0.937	0.227	0.211	0.523	0.051	0.128

Simultaneous Transmission SAR Evaluation (Laptop Mode)						
A (1+8)	B (3+8)	C (2+8)	D (4+8)	E (6+8)	F (5+8)	G (7+8)
Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg
1.321	1.065	0.437	0.355	0.651	0.339	0.179

Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.