

Appendix J. Analysis of Simultaneous Transmission SAR.

The analysis of simultaneous transmission SAR are shown as below.

Note.

1.All testing was performed at SISO power levels. MIMO modes will operate at the same or lower power per chain than SISO modes. The simultaneous transmission analysis for MIMO modes using stand-alone SAR values for SISO modes represents a conservative estimate for the MIMO operating modes.

| Simultaneous TX Combination | Capable Transmit Configurations | Body Exposure Condition |
|-----------------------------|--|-------------------------|
| 1 | WLAN2.4G_Ant 2 + BT_Ant 1 | Yes |
| 2 | WLAN5G_Ant 2 + BT_Ant 1 | Yes |
| 3 | WLAN2.4G_Ant 1 + WLAN2.4G_Ant 2 | Yes |
| 4 | WLAN5G_Ant 1 + WLAN5G_Ant 2 | Yes |
| 5 | WLAN5G_MIMO + BT_Ant 1 | Yes |
| Notes | 1. Combination 2 is covered by combination 5 2. Combination 4 is covered by combination 5 3. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously. | |

Simultaneous Transmission SAR Evaluation (Low Power Mode)

| Position | A | B | C | D | E | F | G | H | I | J | K | B+K | A+B | C+G+K | D+H+K | E+I+K | F+J+K |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | WLAN 2.4GHz Ant 1 | WLAN 2.4GHz Ant 2 | WLAN 5.2GHz Ant 1 | WLAN 5.3GHz Ant 1 | WLAN 5.6GHz Ant 1 | WLAN 5.8GHz Ant 1 | WLAN 5.2GHz Ant 2 | WLAN 5.3GHz Ant 2 | WLAN 5.6GHz Ant 2 | WLAN 5.8GHz Ant 2 | BT Ant 1 | Summimg result 1g SAR W/kg | Summimg result 1g SAR W/kg | Summimg result 1g SAR W/kg | Summimg result 1g SAR W/kg | 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 | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg | 1g SAR W/kg |
| Rear Face | 0.97 | 1.17 | 0.63 | 0.86 | 0.54 | 0.66 | 0.53 | 0.62 | 0.65 | 0.78 | 0.22 | 1.39 | 2.14 | 1.38 | 1.70 | 1.41 | 1.66 |
| Left Side | 0.08 | 0.01 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.09 | 0.01 | 0.14 | 0.01 | 0.01 |
| Right Side | 0.03 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.10 | 0.12 | 0.01 | 0.01 | 0.01 | 0.01 |
| Top Side | 0.23 | 0.18 | 1.18 | 1.17 | 1.13 | 0.96 | 0.39 | 0.41 | 0.38 | 0.48 | 0.06 | 0.24 | 0.41 | 1.63 | 1.64 | 1.57 | 1.50 |
| Top Curve | 0.32 | 0.18 | 1.16 | 1.13 | 1.02 | 0.95 | 0.49 | 0.46 | 0.46 | 0.73 | 0.06 | 0.24 | 0.50 | 1.71 | 1.65 | 1.54 | 1.74 |
| Bottom Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |