APPENDIX A: TOTAL EXPOSURE RATIO

The total exposure ratio (TER) is calculated by combining all SAR measurements and power density measurements after normalizing to their respective limits. The general expression is below.

$$TER = \sum_{n=1}^{N} \frac{SAR_n}{SAR_n,limit} + \sum_{m=1}^{M} \frac{S_{m,avg}}{S_m,limit} < 1$$

The TER shall be less than unity to ensure compliance with the limits.

(*) For test positions that were not required to be evaluated for WLAN SAR per FCC KDB publication 248227, the worst case WLAN SAR result for the applicable exposure conditions was used for simultaneous transmission analysis.

Worst-case power density results for each test configuration among all antenna arrays (QTM-0 and QTM-1) were considered for TER analysis.

Table A-1
Head SAR and n261 Power Density TER Analysis

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Head	LTE Band 13	0.152	0.528	0.229	0.909	0.568	1.870	0.187	0.755
	LTE Band 5 (Cell)	0.120	0.528	0.229	0.877	0.548	1.870	0.187	0.735
	LTE Band 66 (AWS)	0.150	0.528	0.229	0.907	0.567	1.870	0.187	0.754
	LTE Band 2 (PCS)	0.121	0.528	0.229	0.878	0.549	1.870	0.187	0.736

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Head	LTE Band 13	0.152	0.528	0.165	0.845	0.528	1.870	0.187	0.715
	LTE Band 5 (Cell)	0.120	0.528	0.165	0.813	0.508	1.870	0.187	0.695
	LTE Band 66 (AWS)	0.150	0.528	0.165	0.843	0.527	1.870	0.187	0.714
	LTE Band 2 (PCS)	0.121	0.528	0.165	0.814	0.509	1.870	0.187	0.696

Exposure Condition	Mode	LTE SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Head	LTE Band 13	0.152	0.368	0.165	0.217	0.902	0.564	1.870	0.187	0.751
	LTE Band 5 (Cell)	0.120	0.368	0.165	0.217	0.870	0.544	1.870	0.187	0.731
	LTE Band 66 (AWS)	0.150	0.368	0.165	0.217	0.900	0.563	1.870	0.187	0.750
	LTE Band 2 (PCS)	0.121	0.368	0.165	0.217	0.871	0.544	1.870	0.187	0.731

Note: Power density front side 2mm test results were used for TER analysis of head exposure condition.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Table A-2
Head SAR and n260 Power Density TER Analysis

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Head	LTE Band 13	0.152	0.528	0.229	0.909	0.568	1.010	0.640	1.650	0.165	0.733
	LTE Band 5 (Cell)	0.120	0.528	0.229	0.877	0.548	1.010	0.640	1.650	0.165	0.713
	LTE Band 66 (AWS)	0.150	0.528	0.229	0.907	0.567	1.010	0.640	1.650	0.165	0.732
	LTE Band 2 (PCS)	0.121	0.528	0.229	0.878	0.549	1.010	0.640	1.650	0.165	0.714

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Head	LTE Band 13	0.152	0.528	0.165	0.845	0.528	1.010	0.640	1.650	0.165	0.693
	LTE Band 5 (Cell)	0.120	0.528	0.165	0.813	0.508	1.010	0.640	1.650	0.165	0.673
	LTE Band 66 (AWS)	0.150	0.528	0.165	0.843	0.527	1.010	0.640	1.650	0.165	0.692
	LTE Band 2 (PCS)	0.121	0.528	0.165	0.814	0.509	1.010	0.640	1.650	0.165	0.674

Exposure Condition	Mode	LTE SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Head	LTE Band 13	0.152	0.368	0.165	0.217	0.902	0.564	1.010	0.640	1.650	0.165	0.729
	LTE Band 5 (Cell)	0.120	0.368	0.165	0.217	0.870	0.544	1.010	0.640	1.650	0.165	0.709
	LTE Band 66 (AWS)	0.150	0.368	0.165	0.217	0.900	0.563	1.010	0.640	1.650	0.165	0.728
	LTE Band 2 (PCS)	0.121	0.368	0.165	0.217	0.871	0.544	1.010	0.640	1.650	0.165	0.709

Note: Power density front side 2 mm test results were used for TER analysis of head exposure condition.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Table A-3
Body-worn SAR and n261 Power Density TER Analysis

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Body-worn	LTE Band 13	0.668	0.080	0.154	0.902	0.564	1.650	0.165	0.729
	LTE Band 5 (Cell)	0.979	0.080	0.154	1.213	0.758	1.650	0.165	0.923
	LTE Band 66 (AWS)	0.661	0.080	0.154	0.895	0.559	1.650	0.165	0.724
	LTE Band 2 (PCS)	0.472	0.080	0.154	0.706	0.441	1.650	0.165	0.606

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Body-worn	LTE Band 13	0.668	0.080	0.121	0.869	0.543	1.650	0.165	0.708
	LTE Band 5 (Cell)	0.979	0.080	0.121	1.180	0.738	1.650	0.165	0.903
	LTE Band 66 (AWS)	0.661	0.080	0.121	0.862	0.539	1.650	0.165	0.704
	LTE Band 2 (PCS)	0.472	0.080	0.121	0.673	0.421	1.650	0.165	0.586

Exposure Condition	Mode	LTE SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Body-worn	LTE Band 13	0.668	0.104	0.121	0.041	0.934	0.584	1.650	0.165	0.749
	LTE Band 5 (Cell)	0.979	0.104	0.121	0.041	1.245	0.778	1.650	0.165	0.943
	LTE Band 66 (AWS)	0.661	0.104	0.121	0.041	0.927	0.579	1.650	0.165	0.744
	LTE Band 2 (PCS)	0.472	0.104	0.121	0.041	0.738	0.461	1.650	0.165	0.626

Note: worst case back side power density at 2mm was used for body-worn TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Table A-4
Body-worn SAR and n260 Power Density TER Analysis

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Body-worn	LTE Band 13	0.668	0.080	0.154	0.902	0.564	0.731	0.525	1.256	0.126	0.689
	LTE Band 5 (Cell)	0.979	0.080	0.154	1.213	0.758	0.731	0.525	1.256	0.126	0.884
	LTE Band 66 (AWS)	0.661	0.080	0.154	0.895	0.559	0.731	0.525	1.256	0.126	0.685
	LTE Band 2 (PCS)	0.472	0.080	0.154	0.706	0.441	0.731	0.525	1.256	0.126	0.567

Exposure Condition	Mode	LTE SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Body-worn	LTE Band 13	0.668	0.080	0.121	0.869	0.543	0.731	0.525	1.256	0.126	0.669
	LTE Band 5 (Cell)	0.979	0.080	0.121	1.180	0.738	0.731	0.525	1.256	0.126	0.863
	LTE Band 66 (AWS)	0.661	0.080	0.121	0.862	0.539	0.731	0.525	1.256	0.126	0.664
	LTE Band 2 (PCS)	0.472	0.080	0.121	0.673	0.421	0.731	0.525	1.256	0.126	0.546

Exposure Condition	Mode	LTE SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Body-worn	LTE Band 13	0.668	0.104	0.121	0.041	0.934	0.584	0.731	0.525	1.256	0.126	0.709
	LTE Band 5 (Cell)	0.979	0.104	0.121	0.041	1.245	0.778	0.731	0.525	1.256	0.126	0.904
	LTE Band 66 (AWS)	0.661	0.104	0.121	0.041	0.927	0.579	0.731	0.525	1.256	0.126	0.705
	LTE Band 2 (PCS)	0.472	0.104	0.121	0.041	0.738	0.461	0.731	0.525	1.256	0.126	0.587

Note: worst case back side power density at 2mm was used for body-worn TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Table A-5
Hotspot SAR and n261 Power Density TER Analysis

Simult Tx	Configuration	LTE Band 13 SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.668	0.080	0.154	0.902	0.564	1.650	0.165	0.729
	Front	0.515	0.206*	0.154*	0.875	0.547	1.870	0.187	0.734
	Top	0.000	0.206	0.154*	0.360	0.225	0.516	0.051	0.276
	Bottom	0.207	0.000	0.000	0.207	0.129	0.000	0.000	0.129
	Right	0.390	0.028	0.147	0.565	0.353	4.520	0.452	0.805
	Left	0.131	0.000	0.000	0.131	0.082	4.190	0.419	0.501

Simult Tx	Configuration	LTE Band 5 (Cell) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.979	0.080	0.154	1.213	0.758	1.650	0.165	0.923
	Front	0.600	0.206*	0.154*	0.960	0.600	1.870	0.187	0.787
	Top	0.000	0.206	0.154*	0.360	0.225	0.516	0.051	0.276
	Bottom	0.248	0.000	0.000	0.248	0.155	0.000	0.000	0.155
	Right	0.503	0.028	0.147	0.678	0.424	4.520	0.452	0.876
	Left	0.136	0.000	0.000	0.136	0.085	4.190	0.419	0.504

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.661	0.080	0.154	0.895	0.559	1.650	0.165	0.724
	Front	0.614	0.206*	0.154*	0.974	0.609	1.870	0.187	0.796
	Top	0.000	0.206	0.154*	0.360	0.225	0.516	0.051	0.276
	Bottom	1.034	0.000	0.000	1.034	0.646	0.000	0.000	0.646
	Right	0.154	0.028	0.147	0.329	0.206	4.520	0.452	0.658
	Left	0.229	0.000	0.000	0.229	0.143	4.190	0.419	0.562

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.472	0.080	0.154	0.706	0.441	1.650	0.165	0.606
	Front	0.433	0.206*	0.154*	0.793	0.496	1.870	0.187	0.683
	Top	0.000	0.206	0.154*	0.360	0.225	0.516	0.051	0.276
	Bottom	1.069	0.000	0.000	1.069	0.668	0.000	0.000	0.668
	Right	0.112	0.028	0.147	0.287	0.179	4.520	0.452	0.631
	Left	0.153	0.000	0.000	0.153	0.096	4.190	0.419	0.515

Note: Worst case back and front side, left, right, and top edge power density at 2mm was used for hotspot TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Simult Tx	Configuration	LTE Band 13 SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.668	0.080	0.121	0.869	0.543	1.650	0.165	0.708
	Front	0.515	0.206*	0.300*	1.021	0.638	1.870	0.187	0.825
	Top	0.000	0.206	0.300*	0.506	0.316	0.516	0.051	0.367
	Bottom	0.207	0.000	0.000	0.207	0.129	0.000	0.000	0.129
	Right	0.390	0.028	0.039	0.457	0.286	4.520	0.452	0.738
	Left	0.131	0.000	0.000	0.131	0.082	4.190	0.419	0.501

Simult Tx	Configuration	LTE Band 5 (Cell) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.979	0.080	0.121	1.180	0.738	1.650	0.165	0.903
	Front	0.600	0.206*	0.300*	1.106	0.691	1.870	0.187	0.878
	Top	0.000	0.206	0.300*	0.506	0.316	0.516	0.051	0.367
	Bottom	0.248	0.000	0.000	0.248	0.155	0.000	0.000	0.155
	Right	0.503	0.028	0.039	0.570	0.356	4.520	0.452	0.808
	Left	0.136	0.000	0.000	0.136	0.085	4.190	0.419	0.504

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.661	0.080	0.121	0.862	0.539	1.650	0.165	0.704
	Front	0.614	0.206*	0.300*	1.120	0.700	1.870	0.187	0.887
	Top	0.000	0.206	0.300*	0.506	0.316	0.516	0.051	0.367
	Bottom	1.034	0.000	0.000	1.034	0.646	0.000	0.000	0.646
	Right	0.154	0.028	0.039	0.221	0.138	4.520	0.452	0.590
	Left	0.229	0.000	0.000	0.229	0.143	4.190	0.419	0.562

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.472	0.080	0.121	0.673	0.421	1.650	0.165	0.586
	Front	0.433	0.206*	0.300*	0.939	0.587	1.870	0.187	0.774
	Top	0.000	0.206	0.300*	0.506	0.316	0.516	0.051	0.367
	Bottom	1.069	0.000	0.000	1.069	0.668	0.000	0.000	0.668
	Right	0.112	0.028	0.039	0.179	0.112	4.520	0.452	0.564
	Left	0.153	0.000	0.000	0.153	0.096	4.190	0.419	0.515

Note: Worst case back and front side, left, right, and top edge power density at 2mm was used for hotspot TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Simult Tx	Configuration	LTE Band 13 SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Hotspot SAR	Back	0.668	0.095	0.121	0.041	0.925	0.578	1.650	0.165	0.743
	Front	0.515	0.196*	0.300*	0.028	1.039	0.649	1.870	0.187	0.836
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.516	0.051	0.390
	Bottom	0.207	0.000	0.000	0.000	0.207	0.129	0.000	0.000	0.129
	Right	0.390	0.040	0.039	0.011	0.480	0.300	4.520	0.452	0.752
	Left	0.131	0.000	0.000	0.000	0.131	0.082	4.190	0.419	0.501

Simult Tx	Configuration	LTE Band 5 (Cell) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Hotspot SAR	Back	0.979	0.095	0.121	0.041	1.236	0.773	1.650	0.165	0.938
	Front	0.600	0.196*	0.300*	0.028	1.124	0.703	1.870	0.187	0.890
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.516	0.051	0.390
	Bottom	0.248	0.000	0.000	0.000	0.248	0.155	0.000	0.000	0.155
	Right	0.503	0.040	0.039	0.011	0.593	0.371	4.520	0.452	0.823
	Left	0.136	0.000	0.000	0.000	0.136	0.085	4.190	0.419	0.504

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Hotspot SAR	Back	0.661	0.095	0.121	0.041	0.918	0.574	1.650	0.165	0.739
	Front	0.614	0.196*	0.300*	0.028	1.138	0.711	1.870	0.187	0.898
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.516	0.051	0.390
	Bottom	1.034	0.000	0.000	0.000	1.034	0.646	0.000	0.000	0.646
	Right	0.154	0.040	0.039	0.011	0.244	0.153	4.520	0.452	0.605
	Left	0.229	0.000	0.000	0.000	0.229	0.143	4.190	0.419	0.562

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Hotspot SAR	Back	0.472	0.095	0.121	0.041	0.729	0.456	1.650	0.165	0.621
	Front	0.433	0.196*	0.300*	0.028	0.957	0.598	1.870	0.187	0.785
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.516	0.051	0.390
	Bottom	1.069	0.000	0.000	0.000	1.069	0.668	0.000	0.000	0.668
	Right	0.112	0.040	0.039	0.011	0.202	0.126	4.520	0.452	0.578
	Left	0.153	0.000	0.000	0.000	0.153	0.096	4.190	0.419	0.515

Note: Worst case back and front side, left, right, and top edge power density at 2mm was used for hotspot TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Table A-6
Hotspot SAR and n260 Power Density TER Analysis

Simult Tx	Configuration	LTE Band 13 SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.668	0.080	0.154	0.902	0.564	0.731	0.525	1.256	0.126	0.689
	Front	0.515	0.206*	0.154*	0.875	0.547	1.010	0.640	1.650	0.165	0.712
	Top	0.000	0.206	0.154*	0.360	0.225	0.540	0.363	0.860	0.080	0.305
	Bottom	0.207	0.000	0.000	0.207	0.129	0.000	0.000	0.000	0.000	0.129
	Right	0.390	0.028	0.147	0.565	0.353	2.630	2.350	4.980	0.498	0.851
	Left	0.131	0.000	0.000	0.131	0.082	2.070	2.350	4.420	0.442	0.524

Simult Tx	Configuration	LTE Band 5 (Cell) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.979	0.080	0.154	1.213	0.758	0.731	0.525	1.256	0.126	0.884
	Front	0.600	0.206*	0.154*	0.960	0.600	1.010	0.640	1.650	0.165	0.765
	Top	0.000	0.206	0.154*	0.360	0.225	0.540	0.363	0.860	0.080	0.305
	Bottom	0.248	0.000	0.000	0.248	0.155	0.000	0.000	0.000	0.000	0.155
	Right	0.503	0.028	0.147	0.678	0.424	2.630	2.350	4.980	0.498	0.922
	Left	0.136	0.000	0.000	0.136	0.085	2.070	2.350	4.420	0.442	0.527

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.661	0.080	0.154	0.895	0.559	0.731	0.525	1.256	0.126	0.685
	Front	0.614	0.206*	0.154*	0.974	0.609	1.010	0.640	1.650	0.165	0.774
	Top	0.000	0.206	0.154*	0.360	0.225	0.540	0.363	0.860	0.080	0.305
	Bottom	1.034	0.000	0.000	1.034	0.646	0.000	0.000	0.000	0.000	0.646
	Right	0.154	0.028	0.147	0.329	0.206	2.630	2.350	4.980	0.498	0.704
	Left	0.229	0.000	0.000	0.229	0.143	2.070	2.350	4.420	0.442	0.585

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	2.4 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.472	0.080	0.154	0.706	0.441	0.731	0.525	1.256	0.126	0.567
	Front	0.433	0.206*	0.154*	0.793	0.496	1.010	0.640	1.650	0.165	0.661
	Top	0.000	0.206	0.154*	0.360	0.225	0.540	0.363	0.860	0.080	0.305
	Bottom	1.069	0.000	0.000	1.069	0.668	0.000	0.000	0.000	0.000	0.668
	Right	0.112	0.028	0.147	0.287	0.179	2.630	2.350	4.980	0.498	0.677
	Left	0.153	0.000	0.000	0.153	0.096	2.070	2.350	4.420	0.442	0.538

Note: Worst case back and front side, left, right, and top edge power density at 2mm was used for hotspot TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Simult Tx	Configuration	LTE Band 13 SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.668	0.080	0.121	0.869	0.543	0.731	0.525	1.256	0.126	0.669
	Front	0.515	0.206*	0.300*	1.021	0.638	1.010	0.640	1.650	0.165	0.803
	Top	0.000	0.206	0.300*	0.506	0.316	0.540	0.363	0.860	0.080	0.396
	Bottom	0.207	0.000	0.000	0.207	0.129	0.000	0.000	0.000	0.000	0.129
	Right	0.390	0.028	0.039	0.457	0.286	2.630	2.350	4.980	0.498	0.784
	Left	0.131	0.000	0.000	0.131	0.082	2.070	2.350	4.420	0.442	0.524

Simult Tx	Configuration	LTE Band 5 (Cell) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.979	0.080	0.121	1.180	0.738	0.731	0.525	1.256	0.126	0.863
	Front	0.600	0.206*	0.300*	1.106	0.691	1.010	0.640	1.650	0.165	0.856
	Top	0.000	0.206	0.300*	0.506	0.316	0.540	0.363	0.860	0.080	0.396
	Bottom	0.248	0.000	0.000	0.248	0.155	0.000	0.000	0.000	0.000	0.155
	Right	0.503	0.028	0.039	0.570	0.356	2.630	2.350	4.980	0.498	0.854
	Left	0.136	0.000	0.000	0.136	0.085	2.070	2.350	4.420	0.442	0.527

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.661	0.080	0.121	0.862	0.539	0.731	0.525	1.256	0.126	0.664
	Front	0.614	0.206*	0.300*	1.120	0.700	1.010	0.640	1.650	0.165	0.865
	Top	0.000	0.206	0.300*	0.506	0.316	0.540	0.363	0.860	0.080	0.396
	Bottom	1.034	0.000	0.000	1.034	0.646	0.000	0.000	0.000	0.000	0.646
	Right	0.154	0.028	0.039	0.221	0.138	2.630	2.350	4.980	0.498	0.636
	Left	0.229	0.000	0.000	0.229	0.143	2.070	2.350	4.420	0.442	0.585

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	2.4 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.472	0.080	0.121	0.673	0.421	0.731	0.525	1.256	0.126	0.546
	Front	0.433	0.206*	0.300*	0.939	0.587	1.010	0.640	1.650	0.165	0.752
	Top	0.000	0.206	0.300*	0.506	0.316	0.540	0.363	0.860	0.080	0.396
	Bottom	1.069	0.000	0.000	1.069	0.668	0.000	0.000	0.000	0.000	0.668
	Right	0.112	0.028	0.039	0.179	0.112	2.630	2.350	4.980	0.498	0.610
	Left	0.153	0.000	0.000	0.153	0.096	2.070	2.350	4.420	0.442	0.538

Note: Worst case back and front side, left, right, and top edge power density at 2mm was used for hotspot TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Simult Tx	Configuration	LTE Band 13 SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.668	0.095	0.121	0.041	0.925	0.578	0.731	0.525	1.256	0.126	0.704
	Front	0.515	0.196*	0.300*	0.028	1.039	0.649	1.010	0.640	1.650	0.165	0.814
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.540	0.363	0.860	0.080	0.419
	Bottom	0.207	0.000	0.000	0.000	0.207	0.129	0.000	0.000	0.000	0.000	0.129
	Right	0.390	0.040	0.039	0.011	0.480	0.300	2.630	2.350	4.980	0.498	0.798
	Left	0.131	0.000	0.000	0.000	0.131	0.082	2.070	2.350	4.420	0.442	0.524

Simult Tx	Configuration	LTE Band 5 (Cell) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.979	0.095	0.121	0.041	1.236	0.773	0.731	0.525	1.256	0.126	0.898
	Front	0.600	0.196*	0.300*	0.028	1.124	0.703	1.010	0.640	1.650	0.165	0.868
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.540	0.363	0.860	0.080	0.419
	Bottom	0.248	0.000	0.000	0.000	0.248	0.155	0.000	0.000	0.000	0.000	0.155
	Right	0.503	0.040	0.039	0.011	0.593	0.371	2.630	2.350	4.980	0.498	0.869
	Left	0.136	0.000	0.000	0.000	0.136	0.085	2.070	2.350	4.420	0.442	0.527

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.661	0.095	0.121	0.041	0.918	0.574	0.731	0.525	1.256	0.126	0.699
	Front	0.614	0.196*	0.300*	0.028	1.138	0.711	1.010	0.640	1.650	0.165	0.876
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.540	0.363	0.860	0.080	0.419
	Bottom	1.034	0.000	0.000	0.000	1.034	0.646	0.000	0.000	0.000	0.000	0.646
	Right	0.154	0.040	0.039	0.011	0.244	0.153	2.630	2.350	4.980	0.498	0.651
	Left	0.229	0.000	0.000	0.000	0.229	0.143	2.070	2.350	4.420	0.442	0.585

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Bluetooth SAR (W/kg)	Σ SAR (W/kg)	SAR/1.6	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.472	0.095	0.121	0.041	0.729	0.456	0.731	0.525	1.256	0.126	0.581
	Front	0.433	0.196*	0.300*	0.028	0.957	0.598	1.010	0.640	1.650	0.165	0.763
	Top	0.000	0.196*	0.300*	0.047	0.543	0.339	0.540	0.363	0.860	0.080	0.419
	Bottom	1.069	0.000	0.000	0.000	1.069	0.668	0.000	0.000	0.000	0.000	0.668
	Right	0.112	0.040	0.039	0.011	0.202	0.126	2.630	2.350	4.980	0.498	0.624
	Left	0.153	0.000	0.000	0.000	0.153	0.096	2.070	2.350	4.420	0.442	0.538

Note: Worst case back and front side, left, right, and top edge power density at 2mm was used for hotspot TER analysis.

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Table A-7
Phablet SAR and n261 Power Density TER Analysis

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S (W/m^2)	S/10	TER
		1	2	1+2	a	3	b	a+b
Phablet SAR	Back	1.459	0.306	1.765	0.441	1.650	0.165	0.606
	Front	2.318	0.306*	2.624	0.656	1.870	0.187	0.843
	Top	0.000	0.306*	0.306	0.077	0.516	0.051	0.128
	Bottom	2.505	0.000	2.505	0.626	0.000	0.000	0.626
	Right	0.259	0.206	0.465	0.116	4.520	0.452	0.568
	Left	0.690	0.000	0.690	0.173	4.190	0.419	0.592

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S (W/m^2)	S/10	TER
		1	2	1+2	a	3	b	a+b
Phablet SAR	Back	1.336	0.306	1.642	0.411	1.650	0.165	0.576
	Front	1.923	0.306*	2.229	0.557	1.870	0.187	0.744
	Top	0.000	0.306*	0.306	0.077	0.516	0.051	0.128
	Bottom	2.242	0.000	2.242	0.561	0.000	0.000	0.561
	Right	0.199	0.206	0.405	0.101	4.520	0.452	0.553
	Left	0.560	0.000	0.560	0.140	4.190	0.419	0.559

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Per FCC guidance, the bands/modes that are not required to be evaluated for phablet SAR are not considered for TER analysis.

Note: Per FCC guidance, power density measurements at test separation distance of 2mm was used for phablet configuration due to probe restraints.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Note: The most conservative SAR value across distances was used for TER evaluation.

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S (W/m^2)	S/10	TER
		1	2	1+2	a	3	b	a+b
Phablet SAR	Back	1.459	0.810	2.269	0.567	1.650	0.165	0.732
	Front	2.318	0.810*	3.128	0.782	1.870	0.187	0.969
	Top	0.000	0.810*	0.810	0.203	0.516	0.051	0.254
	Bottom	2.505	0.000	2.505	0.626	0.000	0.000	0.626
	Right	0.259	0.093	0.352	0.088	4.520	0.452	0.540
	Left	0.690	0.000	0.690	0.173	4.190	0.419	0.592

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S (W/m^2)	S/10	TER
		1	2	1+2	a	3	b	a+b
Phablet SAR	Back	1.336	0.810	2.146	0.537	1.650	0.165	0.702
	Front	1.923	0.810*	2.733	0.683	1.870	0.187	0.870
	Top	0.000	0.810*	0.810	0.203	0.516	0.051	0.254
	Bottom	2.242	0.000	2.242	0.561	0.000	0.000	0.561
	Right	0.199	0.093	0.292	0.073	4.520	0.452	0.525
	Left	0.560	0.000	0.560	0.140	4.190	0.419	0.559

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Per FCC guidance, the bands/modes that are not required to be evaluated for phablet SAR are not considered for TER analysis.

Note: Per FCC guidance, power density measurements at test separation distance of 2mm was used for phablet configuration due to probe restraints.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Note: The most conservative SAR value across distances was used for TER evaluation.

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN MIMO SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S (W/m^2)	S/10	TER
		1	2	1+2	a	3	b	a+b
Phablet SAR	Back	1.459	0.915	2.374	0.594	1.650	0.165	0.759
	Front	2.318	0.242	2.560	0.640	1.870	0.187	0.827
	Top	0.000	1.830*	1.830	0.458	0.516	0.051	0.509
	Bottom	2.505	0.000	2.505	0.626	0.000	0.000	0.626
	Right	0.259	0.290	0.549	0.137	4.520	0.452	0.589
	Left	0.690	0.000	0.690	0.173	4.190	0.419	0.592

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN MIMO SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S (W/m^2)	S/10	TER
		1	2	1+2	a	3	b	a+b
Phablet SAR	Back	1.336	0.915	2.251	0.563	1.650	0.165	0.728
	Front	1.923	0.242	2.165	0.541	1.870	0.187	0.728
	Top	0.000	1.830*	1.830	0.458	0.516	0.051	0.509
	Bottom	2.242	0.000	2.242	0.561	0.000	0.000	0.561
	Right	0.199	0.290	0.489	0.122	4.520	0.452	0.574
	Left	0.560	0.000	0.560	0.140	4.190	0.419	0.559

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Per FCC guidance, the bands/modes that are not required to be evaluated for phablet SAR are not considered for TER analysis.

Note: Per FCC guidance, power density measurements at test separation distance of 2mm was used for phablet configuration due to probe restraints.

Note: NR Band n261 was evaluated using MIMO (H+V) polarization.

Note: The most conservative SAR value across distances was used for TER evaluation.

Table A-8
Phablet SAR and n260 Power Density TER Analysis

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	1+2	a	3	4	3+4	b	a+b
Phablet SAR	Back	1.459	0.306	1.765	0.441	0.731	0.525	1.256	0.126	0.567
	Front	2.318	0.306*	2.624	0.656	1.010	0.640	1.650	0.165	0.821
	Top	0.000	0.306*	0.306	0.077	0.540	0.363	0.860	0.080	0.157
	Bottom	2.505	0.000	2.505	0.626	0.000	0.000	0.000	0.000	0.626
	Right	0.259	0.206	0.465	0.116	2.630	2.350	4.980	0.498	0.614
	Left	0.690	0.000	0.690	0.173	2.070	2.350	4.420	0.442	0.615

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN Ant 1 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	1+2	a	3	4	3+4	b	a+b
Phablet SAR	Back	1.336	0.306	1.642	0.411	0.731	0.525	1.256	0.126	0.536
	Front	1.923	0.306*	2.229	0.557	1.010	0.640	1.650	0.165	0.722
	Top	0.000	0.306*	0.306	0.077	0.540	0.363	0.860	0.080	0.157
	Bottom	2.242	0.000	2.242	0.561	0.000	0.000	0.000	0.000	0.561
	Right	0.199	0.206	0.405	0.101	2.630	2.350	4.980	0.498	0.599
	Left	0.560	0.000	0.560	0.140	2.070	2.350	4.420	0.442	0.582

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Per FCC guidance, the bands/modes that are not required to be evaluated for phablet SAR are not considered for TER analysis.

Note: Per FCC guidance, power density measurements at test separation distance of 2mm was used for phablet configuration due to probe restraints.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Note: The most conservative SAR value across distances was used for TER evaluation.

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	1+2	a	3	4	3+4	b	a+b
Phablet SAR	Back	1.459	0.810	2.269	0.567	0.731	0.525	1.256	0.126	0.693
	Front	2.318	0.810*	3.128	0.782	1.010	0.640	1.650	0.165	0.947
	Top	0.000	0.810*	0.810	0.203	0.540	0.363	0.860	0.080	0.283
	Bottom	2.505	0.000	2.505	0.626	0.000	0.000	0.000	0.000	0.626
	Right	0.259	0.093	0.352	0.088	2.630	2.350	4.980	0.498	0.586
	Left	0.690	0.000	0.690	0.173	2.070	2.350	4.420	0.442	0.615

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN Ant 2 SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	1+2	a	3	4	3+4	b	a+b
Phablet SAR	Back	1.336	0.810	2.146	0.537	0.731	0.525	1.256	0.126	0.662
	Front	1.923	0.810*	2.733	0.683	1.010	0.640	1.650	0.165	0.848
	Top	0.000	0.810*	0.810	0.203	0.540	0.363	0.860	0.080	0.283
	Bottom	2.242	0.000	2.242	0.561	0.000	0.000	0.000	0.000	0.561
	Right	0.199	0.093	0.292	0.073	2.630	2.350	4.980	0.498	0.571
	Left	0.560	0.000	0.560	0.140	2.070	2.350	4.420	0.442	0.582

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Per FCC guidance, the bands/modes that are not required to be evaluated for phablet SAR are not considered for TER analysis.

Note: Per FCC guidance, power density measurements at test separation distance of 2mm was used for phablet configuration due to probe restraints.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Note: The most conservative SAR value across distances was used for TER evaluation.

Simult Tx	Configuration	LTE Band 66 (AWS) SAR (W/kg)	5 GHz WLAN MIMO SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	1+2	a	3	4	3+4	b	a+b
Phablet SAR	Back	1.459	0.915	2.374	0.594	0.731	0.525	1.256	0.126	0.719
	Front	2.318	0.242	2.560	0.640	1.010	0.640	1.650	0.165	0.805
	Top	0.000	1.830*	1.830	0.458	0.540	0.363	0.860	0.080	0.538
	Bottom	2.505	0.000	2.505	0.626	0.000	0.000	0.000	0.000	0.626
	Right	0.259	0.290	0.549	0.137	2.630	2.350	4.980	0.498	0.635
	Left	0.690	0.000	0.690	0.173	2.070	2.350	4.420	0.442	0.615

Simult Tx	Configuration	LTE Band 2 (PCS) SAR (W/kg)	5 GHz WLAN MIMO SAR (W/kg)	Σ SAR (W/kg)	SAR/4	S [H] (W/m^2)	S [V] (W/m^2)	Σ S (W/m^2)	S/10	TER
		1	2	1+2	a	3	4	3+4	b	a+b
Phablet SAR	Back	1.336	0.915	2.251	0.563	0.731	0.525	1.256	0.126	0.688
	Front	1.923	0.242	2.165	0.541	1.010	0.640	1.650	0.165	0.706
	Top	0.000	1.830*	1.830	0.458	0.540	0.363	0.860	0.080	0.538
	Bottom	2.242	0.000	2.242	0.561	0.000	0.000	0.000	0.000	0.561
	Right	0.199	0.290	0.489	0.122	2.630	2.350	4.980	0.498	0.620
	Left	0.560	0.000	0.560	0.140	2.070	2.350	4.420	0.442	0.582

Note: Some WLAN configurations were evaluated at a higher power level as a more conservative evaluation.

Note: Per FCC guidance, the device edges that are not required to be evaluated are indicated 0 for TER analysis.

Note: Per FCC guidance, the bands/modes that are not required to be evaluated for phablet SAR are not considered for TER analysis.

Note: Per FCC guidance, power density measurements at test separation distance of 2mm was used for phablet configuration due to probe restraints.

Note: Due to SW and HW limitations, NR Band n260 was evaluated using SISO H polarization and SISO V polarization.

Note: The most conservative SAR value across distances was used for TER evaluation.

Simultaneous Transmission Conclusion

The above numerical summed PD and SAR for all the worst-case simultaneous transmission conditions were below the TER limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the TER limit and no further test cases are required.