

APPENDIX D: TOTAL EXPOSURE RATIO

FCC ID: ZNFV450VM	 PCTEST ENGINEERING LABORATORY, INC.	NEAR-FIELD POWER DENSITY EVALUATION REPORT	 LG	Approved by: Quality Manager
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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 D-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/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	b	a+b	
Head	LTE Band 13	0.135	0.403	0.230	0.768	0.480	1.250	0.125	0.605	
	LTE Band 5 (Cell)	0.137	0.403	0.230	0.770	0.481	1.250	0.125	0.606	
	LTE Band 66 (AWS)	0.186	0.403	0.230	0.819	0.512	1.250	0.125	0.637	
	LTE Band 2 (PCS)	0.135	0.403	0.230	0.768	0.480	1.250	0.125	0.605	
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/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	b	a+b	
Head	LTE Band 13	0.135	0.403	0.168	0.706	0.441	1.250	0.125	0.566	
	LTE Band 5 (Cell)	0.137	0.403	0.168	0.708	0.443	1.250	0.125	0.568	
	LTE Band 66 (AWS)	0.186	0.403	0.168	0.757	0.473	1.250	0.125	0.598	
	LTE Band 2 (PCS)	0.135	0.403	0.168	0.706	0.441	1.250	0.125	0.566	
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/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Head	LTE Band 13	0.135	0.450	0.168	0.108	0.861	0.538	1.250	0.125	0.663
	LTE Band 5 (Cell)	0.137	0.450	0.168	0.108	0.863	0.539	1.250	0.125	0.664
	LTE Band 66 (AWS)	0.186	0.450	0.168	0.108	0.912	0.570	1.250	0.125	0.695
	LTE Band 2 (PCS)	0.135	0.450	0.168	0.108	0.861	0.538	1.250	0.125	0.663

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.

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Table D-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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	5	4+5	b	a+b	
Head	LTE Band 13	0.135	0.403	0.230	0.768	0.480	2.040	1.110	3.150	0.315	0.795	
	LTE Band 5 (Cell)	0.137	0.403	0.230	0.770	0.481	2.040	1.110	3.150	0.315	0.796	
	LTE Band 66 (AWS)	0.186	0.403	0.230	0.819	0.512	2.040	1.110	3.150	0.315	0.827	
	LTE Band 2 (PCS)	0.135	0.403	0.230	0.768	0.480	2.040	1.110	3.150	0.315	0.795	
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	5	4+5	b	a+b	
Head	LTE Band 13	0.135	0.403	0.168	0.706	0.441	2.040	1.110	3.150	0.315	0.756	
	LTE Band 5 (Cell)	0.137	0.403	0.168	0.708	0.443	2.040	1.110	3.150	0.315	0.758	
	LTE Band 66 (AWS)	0.186	0.403	0.168	0.757	0.473	2.040	1.110	3.150	0.315	0.788	
	LTE Band 2 (PCS)	0.135	0.403	0.168	0.706	0.441	2.040	1.110	3.150	0.315	0.756	
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Head	LTE Band 13	0.135	0.450	0.168	0.108	0.861	0.538	2.040	1.110	3.150	0.315	0.853
	LTE Band 5 (Cell)	0.137	0.450	0.168	0.108	0.863	0.539	2.040	1.110	3.150	0.315	0.854
	LTE Band 66 (AWS)	0.186	0.450	0.168	0.108	0.912	0.570	2.040	1.110	3.150	0.315	0.885
	LTE Band 2 (PCS)	0.135	0.450	0.168	0.108	0.861	0.538	2.040	1.110	3.150	0.315	0.853

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.

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Table D-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/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	b	a+b	
Body-worn	LTE Band 13	0.673	0.061	0.174	0.908	0.568	0.741	0.074	0.642	
	LTE Band 5 (Cell)	0.969	0.061	0.174	1.204	0.753	0.741	0.074	0.827	
	LTE Band 66 (AWS)	0.584	0.061	0.174	0.819	0.512	0.741	0.074	0.586	
	LTE Band 2 (PCS)	0.554	0.061	0.174	0.789	0.493	0.741	0.074	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 (W/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	b	a+b	
Body-worn	LTE Band 13	0.673	0.061	0.163	0.897	0.561	0.741	0.074	0.635	
	LTE Band 5 (Cell)	0.969	0.061	0.163	1.193	0.746	0.741	0.074	0.820	
	LTE Band 66 (AWS)	0.584	0.061	0.163	0.808	0.505	0.741	0.074	0.579	
	LTE Band 2 (PCS)	0.554	0.061	0.163	0.778	0.486	0.741	0.074	0.560	
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/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	b	a+b
Body-worn	LTE Band 13	0.673	0.113	0.163	0.020	0.969	0.606	0.741	0.074	0.680
	LTE Band 5 (Cell)	0.969	0.113	0.163	0.020	1.265	0.791	0.741	0.074	0.865
	LTE Band 66 (AWS)	0.584	0.113	0.163	0.020	0.880	0.550	0.741	0.074	0.624
	LTE Band 2 (PCS)	0.554	0.113	0.163	0.020	0.850	0.531	0.741	0.074	0.605

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.

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Table D-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/m²)	S [M] (W/m²)	Σ S (W/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	5	4+5	b	a+b	
Body-worn	LTE Band 13	0.673	0.061	0.174	0.908	0.568	0.758	0.682	1.440	0.144	0.712	
	LTE Band 5 (Cell)	0.969	0.061	0.174	1.204	0.753	0.758	0.682	1.440	0.144	0.897	
	LTE Band 66 (AWS)	0.584	0.061	0.174	0.819	0.512	0.758	0.682	1.440	0.144	0.656	
	LTE Band 2 (PCS)	0.554	0.061	0.174	0.789	0.493	0.758	0.682	1.440	0.144	0.637	
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/m²)	S [M] (W/m²)	Σ S (W/m²)	S/10	TER	
		1	2	3	1+2+3	a	4	5	4+5	b	a+b	
Body-worn	LTE Band 13	0.673	0.061	0.163	0.897	0.561	0.758	0.682	1.440	0.144	0.705	
	LTE Band 5 (Cell)	0.969	0.061	0.163	1.193	0.746	0.758	0.682	1.440	0.144	0.890	
	LTE Band 66 (AWS)	0.584	0.061	0.163	0.808	0.505	0.758	0.682	1.440	0.144	0.649	
	LTE Band 2 (PCS)	0.554	0.061	0.163	0.778	0.486	0.758	0.682	1.440	0.144	0.630	
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Body-worn	LTE Band 13	0.673	0.113	0.163	0.020	0.969	0.606	0.758	0.682	1.440	0.144	0.750
	LTE Band 5 (Cell)	0.969	0.113	0.163	0.020	1.265	0.791	0.758	0.682	1.440	0.144	0.935
	LTE Band 66 (AWS)	0.584	0.113	0.163	0.020	0.880	0.550	0.758	0.682	1.440	0.144	0.694
	LTE Band 2 (PCS)	0.554	0.113	0.163	0.020	0.850	0.531	0.758	0.682	1.440	0.144	0.675

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.

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Table D-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/m²)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.673	0.100*	0.174	0.947	0.592	0.741	0.074	0.666
	Front	0.516	0.100*	0.174*	0.790	0.494	1.250	0.125	0.619
	Top	0.000	0.100	0.174*	0.274	0.171	0.469	0.047	0.218
	Bottom	0.209	0.000	0.000	0.209	0.131	0.000	0.000	0.131
	Right	0.331	0.100*	0.174*	0.605	0.378	3.500	0.350	0.728
	Left	0.185	0.000	0.000	0.185	0.116	4.340	0.434	0.550
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/m²)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.969	0.100*	0.174	1.243	0.777	0.741	0.074	0.851
	Front	0.711	0.100*	0.174*	0.985	0.616	1.250	0.125	0.741
	Top	0.000	0.100	0.174*	0.274	0.171	0.469	0.047	0.218
	Bottom	0.235	0.000	0.000	0.235	0.147	0.000	0.000	0.147
	Right	0.381	0.100*	0.174*	0.655	0.409	3.500	0.350	0.759
	Left	0.120	0.000	0.000	0.120	0.075	4.340	0.434	0.509
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/m²)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.584	0.100*	0.174	0.858	0.536	0.741	0.074	0.610
	Front	0.603	0.100*	0.174*	0.877	0.548	1.250	0.125	0.673
	Top	0.000	0.100	0.174*	0.274	0.171	0.469	0.047	0.218
	Bottom	1.227	0.000	0.000	1.227	0.767	0.000	0.000	0.767
	Right	0.179	0.100*	0.174*	0.453	0.283	3.500	0.350	0.633
	Left	0.282	0.000	0.000	0.282	0.176	4.340	0.434	0.610
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/m²)	S/10	TER
		1	2	3	1+2+3	a	4	b	a+b
Hotspot SAR	Back	0.554	0.100*	0.174	0.828	0.518	0.741	0.074	0.592
	Front	0.600	0.100*	0.174*	0.874	0.546	1.250	0.125	0.671
	Top	0.000	0.100	0.174*	0.274	0.171	0.469	0.047	0.218
	Bottom	1.149	0.000	0.000	1.149	0.718	0.000	0.000	0.718
	Right	0.137	0.100*	0.174*	0.411	0.257	3.500	0.350	0.607
	Left	0.169	0.000	0.000	0.169	0.106	4.340	0.434	0.540

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.

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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	0.673	0.100*	0.144	0.917	0.573	0.741	0.074	0.647
	Front	0.516	0.100*	0.144*	0.760	0.475	1.250	0.125	0.600
	Top	0.000	0.100	0.144*	0.244	0.153	0.469	0.047	0.199
	Bottom	0.209	0.000	0.000	0.209	0.131	0.000	0.000	0.131
	Right	0.331	0.100*	0.144*	0.575	0.359	3.500	0.350	0.709
	Left	0.185	0.000	0.000	0.185	0.116	4.340	0.434	0.550
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	0.969	0.100*	0.144	1.213	0.758	0.741	0.074	0.832
	Front	0.711	0.100*	0.144*	0.955	0.597	1.250	0.125	0.722
	Top	0.000	0.100	0.144*	0.244	0.153	0.469	0.047	0.199
	Bottom	0.235	0.000	0.000	0.235	0.147	0.000	0.000	0.147
	Right	0.381	0.100*	0.144*	0.625	0.391	3.500	0.350	0.741
	Left	0.120	0.000	0.000	0.120	0.075	4.340	0.434	0.509
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	0.584	0.100*	0.144	0.828	0.518	0.741	0.074	0.592
	Front	0.603	0.100*	0.144*	0.847	0.529	1.250	0.125	0.654
	Top	0.000	0.100	0.144*	0.244	0.153	0.469	0.047	0.199
	Bottom	1.227	0.000	0.000	1.227	0.767	0.000	0.000	0.767
	Right	0.179	0.100*	0.144*	0.423	0.264	3.500	0.350	0.614
	Left	0.282	0.000	0.000	0.282	0.176	4.340	0.434	0.610
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	0.554	0.100*	0.144	0.798	0.499	0.741	0.074	0.573
	Front	0.600	0.100*	0.144*	0.844	0.528	1.250	0.125	0.653
	Top	0.000	0.100	0.144*	0.244	0.153	0.469	0.047	0.199
	Bottom	1.149	0.000	0.000	1.149	0.718	0.000	0.000	0.718
	Right	0.137	0.100*	0.144*	0.381	0.238	3.500	0.350	0.588
	Left	0.169	0.000	0.000	0.169	0.106	4.340	0.434	0.540

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.

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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	0.673	0.108	0.144	0.020	0.945	0.591	0.741	0.074	0.665
	Front	0.516	0.108*	0.144*	0.016	0.784	0.490	1.250	0.125	0.615
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.469	0.047	0.235
	Bottom	0.209	0.000	0.000	0.000	0.209	0.131	0.000	0.000	0.131
	Right	0.331	0.108*	0.144*	0.006	0.589	0.368	3.500	0.350	0.718
	Left	0.185	0.000	0.000	0.000	0.185	0.116	4.340	0.434	0.550
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	0.969	0.108	0.144	0.020	1.241	0.776	0.741	0.074	0.850
	Front	0.711	0.108*	0.144*	0.016	0.979	0.612	1.250	0.125	0.737
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.469	0.047	0.235
	Bottom	0.235	0.000	0.000	0.000	0.235	0.147	0.000	0.000	0.147
	Right	0.381	0.108*	0.144*	0.006	0.639	0.399	3.500	0.350	0.749
	Left	0.120	0.000	0.000	0.000	0.120	0.075	4.340	0.434	0.509
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	0.584	0.108	0.144	0.020	0.856	0.535	0.741	0.074	0.609
	Front	0.603	0.108*	0.144*	0.016	0.871	0.544	1.250	0.125	0.669
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.469	0.047	0.235
	Bottom	1.227	0.000	0.000	0.000	1.227	0.767	0.000	0.000	0.767
	Right	0.179	0.108*	0.144*	0.006	0.437	0.273	3.500	0.350	0.623
	Left	0.282	0.000	0.000	0.000	0.282	0.176	4.340	0.434	0.610
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	0.554	0.108	0.144	0.020	0.826	0.516	0.741	0.074	0.590
	Front	0.600	0.108*	0.144*	0.016	0.868	0.543	1.250	0.125	0.668
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.469	0.047	0.235
	Bottom	1.149	0.000	0.000	0.000	1.149	0.718	0.000	0.000	0.718
	Right	0.137	0.108*	0.144*	0.006	0.395	0.247	3.500	0.350	0.597
	Left	0.169	0.000	0.000	0.000	0.169	0.106	4.340	0.434	0.540

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.

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Table D-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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.673	0.100*	0.174	0.947	0.592	0.758	0.682	1.440	0.144	0.736
	Front	0.516	0.100*	0.174*	0.790	0.494	2.040	1.110	3.150	0.315	0.809
	Top	0.000	0.100	0.174*	0.274	0.171	0.386	0.353	0.739	0.074	0.245
	Bottom	0.209	0.000	0.000	0.209	0.131	0.000	0.000	0.000	0.000	0.131
	Right	0.331	0.100*	0.174*	0.605	0.378	2.230	2.240	4.470	0.447	0.825
	Left	0.185	0.000	0.000	0.185	0.116	2.600	2.140	4.740	0.474	0.590
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.969	0.100*	0.174	1.243	0.777	0.758	0.682	1.440	0.144	0.921
	Front	0.711	0.100*	0.174*	0.985	0.616	2.040	1.110	3.150	0.315	0.931
	Top	0.000	0.100	0.174*	0.274	0.171	0.386	0.353	0.739	0.074	0.245
	Bottom	0.235	0.000	0.000	0.235	0.147	0.000	0.000	0.000	0.000	0.147
	Right	0.381	0.100*	0.174*	0.655	0.409	2.230	2.240	4.470	0.447	0.856
	Left	0.120	0.000	0.000	0.120	0.075	2.600	2.140	4.740	0.474	0.549
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.584	0.100*	0.174	0.858	0.536	0.758	0.682	1.440	0.144	0.680
	Front	0.603	0.100*	0.174*	0.877	0.548	2.040	1.110	3.150	0.315	0.863
	Top	0.000	0.100	0.174*	0.274	0.171	0.386	0.353	0.739	0.074	0.245
	Bottom	1.227	0.000	0.000	1.227	0.767	0.000	0.000	0.000	0.000	0.767
	Right	0.179	0.100*	0.174*	0.453	0.283	2.230	2.240	4.470	0.447	0.730
	Left	0.282	0.000	0.000	0.282	0.176	2.600	2.140	4.740	0.474	0.650
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.554	0.100*	0.174	0.828	0.518	0.758	0.682	1.440	0.144	0.662
	Front	0.600	0.100*	0.174*	0.874	0.546	2.040	1.110	3.150	0.315	0.861
	Top	0.000	0.100	0.174*	0.274	0.171	0.386	0.353	0.739	0.074	0.245
	Bottom	1.149	0.000	0.000	1.149	0.718	0.000	0.000	0.000	0.000	0.718
	Right	0.137	0.100*	0.174*	0.411	0.257	2.230	2.240	4.470	0.447	0.704
	Left	0.169	0.000	0.000	0.169	0.106	2.600	2.140	4.740	0.474	0.580

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.

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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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.673	0.100*	0.144	0.917	0.573	0.758	0.682	1.440	0.144	0.717
	Front	0.516	0.100*	0.144*	0.760	0.475	2.040	1.110	3.150	0.315	0.790
	Top	0.000	0.100	0.144*	0.244	0.153	0.386	0.353	0.739	0.074	0.226
	Bottom	0.209	0.000	0.000	0.209	0.131	0.000	0.000	0.000	0.000	0.131
	Right	0.331	0.100*	0.144*	0.575	0.359	2.230	2.240	4.470	0.447	0.806
	Left	0.185	0.000	0.000	0.185	0.116	2.600	2.140	4.740	0.474	0.590
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.969	0.100*	0.144	1.213	0.758	0.758	0.682	1.440	0.144	0.902
	Front	0.711	0.100*	0.144*	0.955	0.597	2.040	1.110	3.150	0.315	0.912
	Top	0.000	0.100	0.144*	0.244	0.153	0.386	0.353	0.739	0.074	0.226
	Bottom	0.235	0.000	0.000	0.235	0.147	0.000	0.000	0.000	0.000	0.147
	Right	0.381	0.100*	0.144*	0.625	0.391	2.230	2.240	4.470	0.447	0.838
	Left	0.120	0.000	0.000	0.120	0.075	2.600	2.140	4.740	0.474	0.549
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.584	0.100*	0.144	0.828	0.518	0.758	0.682	1.440	0.144	0.662
	Front	0.603	0.100*	0.144*	0.847	0.529	2.040	1.110	3.150	0.315	0.844
	Top	0.000	0.100	0.144*	0.244	0.153	0.386	0.353	0.739	0.074	0.226
	Bottom	1.227	0.000	0.000	1.227	0.767	0.000	0.000	0.000	0.000	0.767
	Right	0.179	0.100*	0.144*	0.423	0.264	2.230	2.240	4.470	0.447	0.711
	Left	0.282	0.000	0.000	0.282	0.176	2.600	2.140	4.740	0.474	0.650
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	1+2+3	a	4	5	4+5	b	a+b
Hotspot SAR	Back	0.554	0.100*	0.144	0.798	0.499	0.758	0.682	1.440	0.144	0.643
	Front	0.600	0.100*	0.144*	0.844	0.528	2.040	1.110	3.150	0.315	0.843
	Top	0.000	0.100	0.144*	0.244	0.153	0.386	0.353	0.739	0.074	0.226
	Bottom	1.149	0.000	0.000	1.149	0.718	0.000	0.000	0.000	0.000	0.718
	Right	0.137	0.100*	0.144*	0.381	0.238	2.230	2.240	4.470	0.447	0.685
	Left	0.169	0.000	0.000	0.169	0.106	2.600	2.140	4.740	0.474	0.580

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.

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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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.673	0.108	0.144	0.020	0.945	0.591	0.758	0.682	1.440	0.144	0.735
	Front	0.516	0.108*	0.144*	0.016	0.784	0.490	2.040	1.110	3.150	0.315	0.805
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.386	0.353	0.739	0.074	0.262
	Bottom	0.209	0.000	0.000	0.000	0.209	0.131	0.000	0.000	0.000	0.000	0.131
	Right	0.331	0.108*	0.144*	0.006	0.589	0.368	2.230	2.240	4.470	0.447	0.815
	Left	0.185	0.000	0.000	0.000	0.185	0.116	2.600	2.140	4.740	0.474	0.590
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.969	0.108	0.144	0.020	1.241	0.776	0.758	0.682	1.440	0.144	0.920
	Front	0.711	0.108*	0.144*	0.016	0.979	0.612	2.040	1.110	3.150	0.315	0.927
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.386	0.353	0.739	0.074	0.262
	Bottom	0.235	0.000	0.000	0.000	0.235	0.147	0.000	0.000	0.000	0.000	0.147
	Right	0.381	0.108*	0.144*	0.006	0.639	0.399	2.230	2.240	4.470	0.447	0.846
	Left	0.120	0.000	0.000	0.000	0.120	0.075	2.600	2.140	4.740	0.474	0.549
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.584	0.108	0.144	0.020	0.856	0.535	0.758	0.682	1.440	0.144	0.679
	Front	0.603	0.108*	0.144*	0.016	0.871	0.544	2.040	1.110	3.150	0.315	0.859
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.386	0.353	0.739	0.074	0.262
	Bottom	1.227	0.000	0.000	0.000	1.227	0.767	0.000	0.000	0.000	0.000	0.767
	Right	0.179	0.108*	0.144*	0.006	0.437	0.273	2.230	2.240	4.470	0.447	0.720
	Left	0.282	0.000	0.000	0.000	0.282	0.176	2.600	2.140	4.740	0.474	0.650
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/m²)	S [V] (W/m²)	Σ S (W/m²)	S/10	TER
		1	2	3	4	1+2+3+4	a	5	6	5+6	b	a+b
Hotspot SAR	Back	0.554	0.108	0.144	0.020	0.826	0.516	0.758	0.682	1.440	0.144	0.660
	Front	0.600	0.108*	0.144*	0.016	0.868	0.543	2.040	1.110	3.150	0.315	0.858
	Top	0.000	0.108*	0.144*	0.049	0.301	0.188	0.386	0.353	0.739	0.074	0.262
	Bottom	1.149	0.000	0.000	0.000	1.149	0.718	0.000	0.000	0.000	0.000	0.718
	Right	0.137	0.108*	0.144*	0.006	0.395	0.247	2.230	2.240	4.470	0.447	0.694
	Left	0.169	0.000	0.000	0.000	0.169	0.106	2.600	2.140	4.740	0.474	0.580

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.

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Table D-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	1.695	0.368	2.063	0.516	0.741	0.074	0.590
	Front	1.846	0.140	1.986	0.497	1.250	0.125	0.622
	Top	0.000	0.368*	0.368	0.092	0.469	0.047	0.139
	Bottom	2.655	0.000	2.655	0.664	0.000	0.000	0.664
	Right	0.260	0.368*	0.628	0.157	3.500	0.350	0.507
	Left	0.747	0.000	0.747	0.187	4.340	0.434	0.621
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	1.574	0.368	1.942	0.486	0.741	0.074	0.560
	Front	1.877	0.140	2.017	0.504	1.250	0.125	0.629
	Top	0.000	0.368*	0.368	0.092	0.469	0.047	0.139
	Bottom	2.367	0.000	2.367	0.592	0.000	0.000	0.592
	Right	0.289	0.368*	0.657	0.164	3.500	0.350	0.514
	Left	0.755	0.000	0.755	0.189	4.340	0.434	0.623

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.

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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	1.695	0.875	2.570	0.643	0.741	0.074	0.717
	Front	1.846	0.050	1.896	0.474	1.250	0.125	0.599
	Top	0.000	0.875*	0.875	0.219	0.469	0.047	0.266
	Bottom	2.655	0.000	2.655	0.664	0.000	0.000	0.664
	Right	0.260	0.875*	1.135	0.284	3.500	0.350	0.634
	Left	0.747	0.000	0.747	0.187	4.340	0.434	0.621
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	1.574	0.875	2.449	0.612	0.741	0.074	0.686
	Front	1.877	0.050	1.927	0.482	1.250	0.125	0.607
	Top	0.000	0.875*	0.875	0.219	0.469	0.047	0.266
	Bottom	2.367	0.000	2.367	0.592	0.000	0.000	0.592
	Right	0.289	0.875*	1.164	0.291	3.500	0.350	0.641
	Left	0.755	0.000	0.755	0.189	4.340	0.434	0.623

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.

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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	1.695	0.986	2.681	0.670	0.741	0.074	0.744
	Front	1.846	0.179	2.025	0.506	1.250	0.125	0.631
	Top	0.000	0.986*	0.986	0.247	0.469	0.047	0.293
	Bottom	2.655	0.000	2.655	0.664	0.000	0.000	0.664
	Right	0.260	0.986*	1.246	0.312	3.500	0.350	0.662
	Left	0.747	0.000	0.747	0.187	4.340	0.434	0.621
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	1.574	0.986	2.560	0.640	0.741	0.074	0.714
	Front	1.877	0.179	2.056	0.514	1.250	0.125	0.639
	Top	0.000	0.986*	0.986	0.247	0.469	0.047	0.293
	Bottom	2.367	0.000	2.367	0.592	0.000	0.000	0.592
	Right	0.289	0.986*	1.275	0.319	3.500	0.350	0.669
	Left	0.755	0.000	0.755	0.189	4.340	0.434	0.623

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.

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Table D-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	1.695	0.368	2.063	0.516	0.758	0.682	1.440	0.144	0.660
	Front	1.846	0.140	1.986	0.497	2.040	1.110	3.150	0.315	0.812
	Top	0.000	0.368*	0.368	0.092	0.386	0.353	0.739	0.074	0.166
	Bottom	2.655	0.000	2.655	0.664	0.000	0.000	0.000	0.000	0.664
	Right	0.260	0.368*	0.628	0.157	2.230	2.240	4.470	0.447	0.604
	Left	0.747	0.000	0.747	0.187	2.600	2.140	4.740	0.474	0.661
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	1.574	0.368	1.942	0.486	0.758	0.682	1.440	0.144	0.630
	Front	1.877	0.140	2.017	0.504	2.040	1.110	3.150	0.315	0.819
	Top	0.000	0.368*	0.368	0.092	0.386	0.353	0.739	0.074	0.166
	Bottom	2.367	0.000	2.367	0.592	0.000	0.000	0.000	0.000	0.592
	Right	0.289	0.368*	0.657	0.164	2.230	2.240	4.470	0.447	0.611
	Left	0.755	0.000	0.755	0.189	2.600	2.140	4.740	0.474	0.663

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.

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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	1.695	0.875	2.570	0.643	0.758	0.682	1.440	0.144	0.787
	Front	1.846	0.050	1.896	0.474	2.040	1.110	3.150	0.315	0.789
	Top	0.000	0.875*	0.875	0.219	0.386	0.353	0.739	0.074	0.293
	Bottom	2.655	0.000	2.655	0.664	0.000	0.000	0.000	0.000	0.664
	Right	0.260	0.875*	1.135	0.284	2.230	2.240	4.470	0.447	0.731
	Left	0.747	0.000	0.747	0.187	2.600	2.140	4.740	0.474	0.661
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	1.574	0.875	2.449	0.612	0.758	0.682	1.440	0.144	0.756
	Front	1.877	0.050	1.927	0.482	2.040	1.110	3.150	0.315	0.797
	Top	0.000	0.875*	0.875	0.219	0.386	0.353	0.739	0.074	0.293
	Bottom	2.367	0.000	2.367	0.592	0.000	0.000	0.000	0.000	0.592
	Right	0.289	0.875*	1.164	0.291	2.230	2.240	4.470	0.447	0.738
	Left	0.755	0.000	0.755	0.189	2.600	2.140	4.740	0.474	0.663

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.

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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	1.695	0.986	2.681	0.670	0.758	0.682	1.440	0.144	0.814
	Front	1.846	0.179	2.025	0.506	2.040	1.110	3.150	0.315	0.821
	Top	0.000	0.986*	0.986	0.247	0.386	0.353	0.739	0.074	0.320
	Bottom	2.655	0.000	2.655	0.664	0.000	0.000	0.000	0.000	0.664
	Right	0.260	0.986*	1.246	0.312	2.230	2.240	4.470	0.447	0.759
	Left	0.747	0.000	0.747	0.187	2.600	2.140	4.740	0.474	0.661
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	1.574	0.986	2.560	0.640	0.758	0.682	1.440	0.144	0.784
	Front	1.877	0.179	2.056	0.514	2.040	1.110	3.150	0.315	0.829
	Top	0.000	0.986*	0.986	0.247	0.386	0.353	0.739	0.074	0.320
	Bottom	2.367	0.000	2.367	0.592	0.000	0.000	0.000	0.000	0.592
	Right	0.289	0.986*	1.275	0.319	2.230	2.240	4.470	0.447	0.766
	Left	0.755	0.000	0.755	0.189	2.600	2.140	4.740	0.474	0.663

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.

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