APPENDIX D: 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.

Table D-1
Total Exposure Ratio (1g SAR and 60 GHz Keyssa)

Max Σ Reported 1g SAR	1g SAR Limit	Max Σ Reported 1g SAR Ratio to Limit	60 GHz Keyssa S	S Limit	Max Σ Reported Power Density Ratio to Limit	Σ Ratio to Limit
W/kg	W/kg		mW/cm²	mW/cm²		
1.341	1.600	0.838	0.013	1.000	0.013	0.851

Table D-2
Total Exposure Ratio (10g SAR and 60 GHz Keyssa)

Max Σ Reported 10g SAR	10g SAR Limit	Max Σ Reported 10g SAR Ratio to Limit	60 GHz Keyssa S	S Limit	Max Σ Reported Power Density Ratio to Limit	Σ Ratio to Limit
W/kg	W/kg		mW/cm²	mW/cm²		
1.365	4.000	0.341	0.013	1.000	0.013	0.354

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