10.28 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is ≤ 100MHz, refer to P6s.

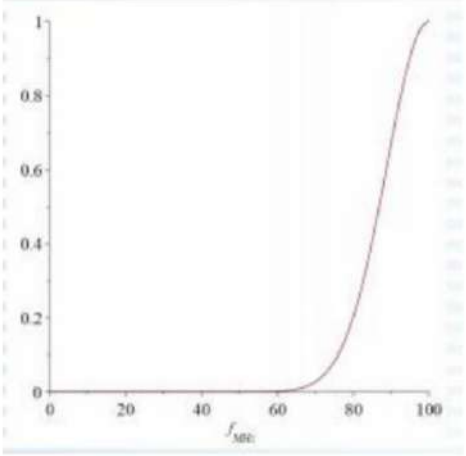
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \le 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \le 300 \\ P_{7}(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

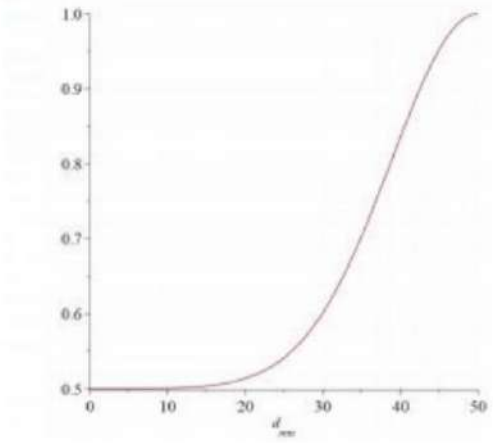
2. For portable products, when using a distance of ≤ 50mm, such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) P_{431b1}(50., 100.) \cdot \left(1. + log10\left(\frac{100.}{f_{MHz}}\right)\right) \quad d_{mm} \le 50 \text{ and } f_{MHz} \le 100$$

3. The smoothing functions Sf and Sd in P6s calculate the limits based on KDB 447498 V06 and are calculated as follows.

$$S_f(f_{MHz}) := exp\left(-10\frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right) \qquad S_d(d_{mm}) := 0.5 + 0.5 \cdot exp\left(-10\frac{(d_{mm} - d_{max})^2}{\Delta d^2}\right)$$





d≤50mm				
f Max(MHz)	100		d Max(mm)	50
f MHz	13.56		d(mm)	5
△f(MHz)	100		△d	50
$S_f(f_{MHz})$	0.000568861		S_d（dmm）	0.50015177
P6s(mW)	443.1257378			
Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW.				

4. According to the ANSI C63.10 clause 11.12.2.2:

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship: E = EIRP - 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dBuV/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	54.74	10	6	-24.06
Note: 1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz). 2.ERP= 54.74+20*Log(10) - 104.8 + 6 =-24.06 (dBm)					

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =1.6 · Pant / Pth [W/kg]

Estimated SAR	1.6 ·Pant / Pth [W/kg]		
Pmeas.(dBm)	-24.06	Pmeas.(mW)	0.00393
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

10.28.1 Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_S}\left(\frac{SAR_k}{SAR_{\lim}}\right) + \sum_{k=1}^{N_f}\left(\frac{MPE_{field,\,k}}{MPE_{field,\,\lim}}\right)^2 + \sum_{k=1}^{N_{PD}}\left(\frac{MPE_{PD,\,k}}{MPE_{PD,\,\lim}}\right)$$

The maximum SAR value for Simultaneous Transmission is 1.586 [W/kg]. Therefore, the worst TER =(1.586+0.001)/1.6 = 0.992＜1,the NFC SAR transmit simultaneously Pass.

11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10, the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20, or when the original or repeated measurement is >= 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated 1th Measured SAR (W/kg)	Largest to Smallest SAR Radio
1880	WCDMA Band2	Head	Right Tilt	0.901	Yes	0.892	1.01
2610	LTE Band38	Head	Right Tilt	0.865	Yes	0.849	1.02
2549.5	LTE Band41	Head	Right Tilt	1.020	Yes	1.000	1.02
2535	NR n7	Hotspot	Bottom Edge	1.020	Yes	0.987	1.03
2600	NR n38	Hotspot	Back Side	0.873	Yes	0.868	1.01
2640	NR n41	Hotspot	Bottom Edge	1.070	Yes	1.030	1.04
5550	WIFI 5.6GHz	Head	Left Cheek	0.800	Yes	0.794	1.01
5550	WIFI 5.6GHz	Body-Worn	Back Side	0.879	Yes	0.875	1.00
5775	WIFI 5.8GHz	Body-Worn	Back Side	0.976	Yes	0.970	1.01
5775	WIFI 5.8GHz	Hotspot	Back Side	0.916	Yes	0.913	1.00
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WLAN 5GHz(Ant.9) + BT(Ant.9)	Yes	Yes	Yes	Yes
2	WLAN 5GHz(Ant.10) + BT(Ant.9)	Yes	Yes	Yes	Yes
3	WLAN 5GHz MIMO+ BT(Ant.9)	Yes	Yes	Yes	Yes
4	WWAN+WLAN 2.4GHz(Ant.9)	Yes	Yes	Yes	Yes
5	WWAN+WLAN 2.4GHz(Ant.10)	Yes	Yes	Yes	Yes
6	WWAN+WLAN 2.4GHz MIMO	Yes	Yes	Yes	Yes
7	WWAN+WLAN 5GHz(Ant.9)	Yes	Yes	Yes	Yes
8	WWAN+WLAN 5GHz(Ant.10)	Yes	Yes	Yes	Yes
9	WWAN+WLAN 5GHz MIMO	Yes	Yes	Yes	Yes
10	WWAN+BT	Yes	Yes	Yes	Yes
11	WWAN+WLAN 5GHz(Ant.9) + BT(Ant.9)	Yes	Yes	Yes	Yes
12	WWAN+WLAN 5GHz(Ant.10) + BT(Ant.9)	Yes	Yes	Yes	Yes
13	WWAN+WLAN 5GHz MIMO+ BT(Ant.9)	Yes	Yes	Yes	Yes

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM Voice/GPRS/EDGE/WCDMA/LTE/SA(5G NR)/EN-DC(LTE + 5G NR)).
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. The simultaneous transmission combinations of multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations is shown in this report.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level2		
Left Cheek	0.899	0.243	**1.142**
Left Tilt	0.887	0.211	1.098
Right Cheek	0.322	0.051	0.373
Right Tilt	0.330	0.061	0.391
Note: 1: The highest Summed 1g SAR is 1.142 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level6		
Front Side 15mm	0.220	0.088	0.308
Back Side 15mm	0.979	0.156	**1.135**
Note: 1: The highest Summed 1g SAR is 1.135 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.2.3 Sum Head SAR of Simultaneous Transmission

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level6		
Front Side 10mm	0.188	0.129	0.317
Back Side 10mm	1.149	0.293	**1.442**
Left Edge 10mm	0.882	0.107	0.989
Right Edge 10mm	0.000	0.000	0.000
Top Edge 10mm	0.844	0.205	1.049
Bottom Edge 10mm	0.000	0.000	0.000
Note: 1: The highest Summed 1g SAR is 1.442 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.			

12.2.4 Specific Simultaneous Transmission SAR Evaluation for WLAN with BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5GWIFI Max.	Bluetooth	1+2
	Level6		
Front Side 0mm	0.719	0.523	1.242
Back Side 0mm	1.083	0.816	**1.899**
Left Edge 0mm	1.191	0.460	1.651
Right Edge 0mm	0.000	0.000	0.000
Top Edge 0mm	0.902	0.773	1.675
Bottom Edge 0mm	0.000	0.000	0.000
Note: 1: The highest Summed 10g SAR is 1.899 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.			

12.2.5 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4GWIFI Max.	5GWIFI Max.	5GWIFI Max.	Bluetooth Max.	Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
			State4&6	Level3	Level3	Level4						
GSM850	Ant.0	Left Cheek	0.182	0.411	0.359	0.359	0.272	0.243	0.593	0.541	0.454	0.784
		Left Tilt	0.101	0.329	0.483	0.483	0.260	0.211	0.430	0.584	0.361	0.795
		Right Cheek	0.189	0.220	0.161	0.161	0.138	0.051	0.409	0.350	0.327	0.401
		Right Tilt	0.105	0.286	0.176	0.176	0.187	0.061	0.391	0.281	0.292	0.342
GSM1900	Ant.0	Left Cheek	0.053	0.411	0.359	0.359	0.272	0.243	0.464	0.412	0.325	0.655
		Left Tilt	0.021	0.329	0.483	0.483	0.260	0.211	0.350	0.504	0.281	0.715
		Right Cheek	0.054	0.220	0.161	0.161	0.138	0.051	0.274	0.215	0.192	0.266
		Right Tilt	0.027	0.286	0.176	0.176	0.187	0.061	0.313	0.203	0.214	0.264
WCDMA B2	Ant.1	Left Cheek	0.509	0.411	0.359	0.359	0.272	0.243	0.920	0.868	0.781	1.111
		Left Tilt	0.591	0.329	0.483	0.483	0.260	0.211	0.920	1.074	0.851	1.285
		Right Cheek	0.861	0.220	0.161	0.161	0.138	0.051	1.081	1.022	0.999	1.073
		Right Tilt	0.952	0.286	0.176	0.176	0.187	0.061	1.238	1.128	1.139	1.189
WCDMA B2	Ant.0	Left Cheek	0.147	0.411	0.359	0.359	0.272	0.243	0.558	0.506	0.419	0.749
		Left Tilt	0.103	0.329	0.483	0.483	0.260	0.211	0.432	0.586	0.363	0.797
		Right Cheek	0.113	0.220	0.161	0.161	0.138	0.051	0.333	0.274	0.251	0.325
		Right Tilt	0.087	0.286	0.176	0.176	0.187	0.061	0.373	0.263	0.274	0.324
WCDMA B4	Ant.1	Left Cheek	0.375	0.411	0.359	0.359	0.272	0.243	0.786	0.734	0.647	0.977
		Left Tilt	0.445	0.329	0.483	0.483	0.260	0.211	0.774	0.928	0.705	1.139
		Right Cheek	0.627	0.220	0.161	0.161	0.138	0.051	0.847	0.788	0.765	0.839
		Right Tilt	0.689	0.286	0.176	0.176	0.187	0.061	0.975	0.865	0.876	0.926
WCDMA B4	Ant.0	Left Cheek	0.085	0.411	0.359	0.359	0.272	0.243	0.496	0.444	0.357	0.687
		Left Tilt	0.033	0.329	0.483	0.483	0.260	0.211	0.362	0.516	0.293	0.727
		Right Cheek	0.117	0.220	0.161	0.161	0.138	0.051	0.337	0.278	0.255	0.329
		Right Tilt	0.037	0.286	0.176	0.176	0.187	0.061	0.323	0.213	0.224	0.274
WCDMA B5	Ant.1	Left Cheek	0.410	0.411	0.359	0.359	0.272	0.243	0.821	0.769	0.682	1.012
		Left Tilt	0.318	0.329	0.483	0.483	0.260	0.211	0.647	0.801	0.578	1.012
		Right Cheek	0.579	0.220	0.161	0.161	0.138	0.051	0.799	0.740	0.717	0.791
		Right Tilt	0.438	0.286	0.176	0.176	0.187	0.061	0.724	0.614	0.625	0.675
WCDMA B5	Ant.0	Left Cheek	0.199	0.411	0.359	0.359	0.272	0.243	0.610	0.558	0.471	0.801
		Left Tilt	0.117	0.329	0.483	0.483	0.260	0.211	0.446	0.600	0.377	0.811
		Right Cheek	0.177	0.220	0.161	0.161	0.138	0.051	0.397	0.338	0.315	0.389
		Right Tilt	0.089	0.286	0.176	0.176	0.187	0.061	0.375	0.265	0.276	0.326
LTE B2	Ant.1	Left Cheek	0.494	0.411	0.359	0.359	0.272	0.243	0.905	0.853	0.766	1.096
		Left Tilt	0.640	0.329	0.483	0.483	0.260	0.211	0.969	1.123	0.900	1.334
		Right Cheek	0.799	0.220	0.161	0.161	0.138	0.051	1.019	0.960	0.937	1.011
		Right Tilt	0.935	0.286	0.176	0.176	0.187	0.061	1.221	1.111	1.122	1.172

LTE B2	Ant.0	Left Cheek	0.129	0.411	0.359	0.359	0.272	0.243	0.540	0.488	0.401	0.731
		Left Tilt	0.076	0.329	0.483	0.483	0.260	0.211	0.405	0.559	0.336	0.770
		Right Cheek	0.112	0.220	0.161	0.161	0.138	0.051	0.332	0.273	0.250	0.324
		Right Tilt	0.081	0.286	0.176	0.176	0.187	0.061	0.367	0.257	0.268	0.318
LTE B4	Ant.1	Left Cheek	0.445	0.411	0.359	0.359	0.272	0.243	0.856	0.804	0.717	1.047
		Left Tilt	0.545	0.329	0.483	0.483	0.260	0.211	0.874	1.028	0.805	1.239
		Right Cheek	0.755	0.220	0.161	0.161	0.138	0.051	0.975	0.916	0.893	0.967
		Right Tilt	0.775	0.286	0.176	0.176	0.187	0.061	1.061	0.951	0.962	1.012
LTE B4	Ant.0	Left Cheek	0.076	0.411	0.359	0.359	0.272	0.243	0.487	0.435	0.348	0.678
		Left Tilt	0.041	0.329	0.483	0.483	0.260	0.211	0.370	0.524	0.301	0.735
		Right Cheek	0.116	0.220	0.161	0.161	0.138	0.051	0.336	0.277	0.254	0.328
		Right Tilt	0.045	0.286	0.176	0.176	0.187	0.061	0.331	0.221	0.232	0.282
LTE B4	Ant.4	Left Cheek	0.209	0.411	0.359	0.359	0.272	0.243	0.620	0.568	0.481	0.811
		Left Tilt	0.051	0.329	0.483	0.483	0.260	0.211	0.380	0.534	0.311	0.745
		Right Cheek	0.436	0.220	0.161	0.161	0.138	0.051	0.656	0.597	0.574	0.648
		Right Tilt	0.065	0.286	0.176	0.176	0.187	0.061	0.351	0.241	0.252	0.302
LTE B5	Ant.1	Left Cheek	0.398	0.411	0.359	0.359	0.272	0.243	0.809	0.757	0.670	1.000
		Left Tilt	0.305	0.329	0.483	0.483	0.260	0.211	0.634	0.788	0.565	0.999
		Right Cheek	0.537	0.220	0.161	0.161	0.138	0.051	0.757	0.698	0.675	0.749
		Right Tilt	0.401	0.286	0.176	0.176	0.187	0.061	0.687	0.577	0.588	0.638
LTE B5	Ant.0	Left Cheek	0.192	0.411	0.359	0.359	0.272	0.243	0.603	0.551	0.464	0.794
		Left Tilt	0.102	0.329	0.483	0.483	0.260	0.211	0.431	0.585	0.362	0.796
		Right Cheek	0.173	0.220	0.161	0.161	0.138	0.051	0.393	0.334	0.311	0.385
		Right Tilt	0.087	0.286	0.176	0.176	0.187	0.061	0.373	0.263	0.274	0.324
LTE B7	Ant.1	Left Cheek	0.223	0.411	0.359	0.359	0.272	0.243	0.634	0.582	0.495	0.825
		Left Tilt	0.297	0.329	0.483	0.483	0.260	0.211	0.626	0.780	0.557	0.991
		Right Cheek	0.601	0.220	0.161	0.161	0.138	0.051	0.821	0.762	0.739	0.813
		Right Tilt	0.662	0.286	0.176	0.176	0.187	0.061	0.948	0.838	0.849	0.899
LTE B7	Ant.0	Left Cheek	0.273	0.411	0.359	0.359	0.272	0.243	0.684	0.632	0.545	0.875
		Left Tilt	0.068	0.329	0.483	0.483	0.260	0.211	0.397	0.551	0.328	0.762
		Right Cheek	0.122	0.220	0.161	0.161	0.138	0.051	0.342	0.283	0.260	0.334
		Right Tilt	0.134	0.286	0.176	0.176	0.187	0.061	0.420	0.310	0.321	0.371
LTE B7	Ant.4	Left Cheek	0.522	0.411	0.359	0.359	0.272	0.243	0.933	0.881	0.794	1.124
		Left Tilt	0.100	0.329	0.483	0.483	0.260	0.211	0.429	0.583	0.360	0.794
		Right Cheek	0.737	0.220	0.161	0.161	0.138	0.051	0.957	0.898	0.875	0.949
		Right Tilt	0.148	0.286	0.176	0.176	0.187	0.061	0.434	0.324	0.335	0.385
LTE B12	Ant.1	Left Cheek	0.285	0.411	0.359	0.359	0.272	0.243	0.696	0.644	0.557	0.887
		Left Tilt	0.262	0.329	0.483	0.483	0.260	0.211	0.591	0.745	0.522	0.956
		Right Cheek	0.428	0.220	0.161	0.161	0.138	0.051	0.648	0.589	0.566	0.640
		Right Tilt	0.388	0.286	0.176	0.176	0.187	0.061	0.674	0.564	0.575	0.625
LTE B12	Ant.0	Left Cheek	0.086	0.411	0.359	0.359	0.272	0.243	0.497	0.445	0.358	0.688
		Left Tilt	0.030	0.329	0.483	0.483	0.260	0.211	0.359	0.513	0.290	0.724
		Right Cheek	0.076	0.220	0.161	0.161	0.138	0.051	0.296	0.237	0.214	0.288

		Right Tilt	0.034	0.286	0.176	0.176	0.187	0.061	0.320	0.210	0.221	0.271
LTE B13	Ant.1	Left Cheek	0.291	0.411	0.359	0.359	0.272	0.243	0.702	0.650	0.563	0.893
		Left Tilt	0.242	0.329	0.483	0.483	0.260	0.211	0.571	0.725	0.502	0.936
		Right Cheek	0.434	0.220	0.161	0.161	0.138	0.051	0.654	0.595	0.572	0.646
		Right Tilt	0.354	0.286	0.176	0.176	0.187	0.061	0.640	0.530	0.541	0.591
LTE B13	Ant.0	Left Cheek	0.131	0.411	0.359	0.359	0.272	0.243	0.542	0.490	0.403	0.733
		Left Tilt	0.083	0.329	0.483	0.483	0.260	0.211	0.412	0.566	0.343	0.777
		Right Cheek	0.115	0.220	0.161	0.161	0.138	0.051	0.335	0.276	0.253	0.327
		Right Tilt	0.072	0.286	0.176	0.176	0.187	0.061	0.358	0.248	0.259	0.309
LTE B17	Ant.1	Left Cheek	0.279	0.411	0.359	0.359	0.272	0.243	0.690	0.638	0.551	0.881
		Left Tilt	0.245	0.329	0.483	0.483	0.260	0.211	0.574	0.728	0.505	0.939
		Right Cheek	0.428	0.220	0.161	0.161	0.138	0.051	0.648	0.589	0.566	0.640
		Right Tilt	0.398	0.286	0.176	0.176	0.187	0.061	0.684	0.574	0.585	0.635
LTE B17	Ant.0	Left Cheek	0.087	0.411	0.359	0.359	0.272	0.243	0.498	0.446	0.359	0.689
		Left Tilt	0.042	0.329	0.483	0.483	0.260	0.211	0.371	0.525	0.302	0.736
		Right Cheek	0.076	0.220	0.161	0.161	0.138	0.051	0.296	0.237	0.214	0.288
		Right Tilt	0.034	0.286	0.176	0.176	0.187	0.061	0.320	0.210	0.221	0.271
LTE B26	Ant.1	Left Cheek	0.335	0.411	0.359	0.359	0.272	0.243	0.746	0.694	0.607	0.937
		Left Tilt	0.256	0.329	0.483	0.483	0.260	0.211	0.585	0.739	0.516	0.950
		Right Cheek	0.469	0.220	0.161	0.161	0.138	0.051	0.689	0.630	0.607	0.681
		Right Tilt	0.367	0.286	0.176	0.176	0.187	0.061	0.653	0.543	0.554	0.604
LTE B26	Ant.0	Left Cheek	0.172	0.411	0.359	0.359	0.272	0.243	0.583	0.531	0.444	0.774
		Left Tilt	0.095	0.329	0.483	0.483	0.260	0.211	0.424	0.578	0.355	0.789
		Right Cheek	0.143	0.220	0.161	0.161	0.138	0.051	0.363	0.304	0.281	0.355
		Right Tilt	0.087	0.286	0.176	0.176	0.187	0.061	0.373	0.263	0.274	0.324
LTE B66	Ant.1	Left Cheek	0.391	0.411	0.359	0.359	0.272	0.243	0.802	0.750	0.663	0.993
		Left Tilt	0.449	0.329	0.483	0.483	0.260	0.211	0.778	0.932	0.709	1.143
		Right Cheek	0.495	0.220	0.161	0.161	0.138	0.051	0.715	0.656	0.633	0.707
		Right Tilt	0.615	0.286	0.176	0.176	0.187	0.061	0.901	0.791	0.802	0.852
LTE B66	Ant.0	Left Cheek	0.084	0.411	0.359	0.359	0.272	0.243	0.495	0.443	0.356	0.686
		Left Tilt	0.057	0.329	0.483	0.483	0.260	0.211	0.386	0.540	0.317	0.751
		Right Cheek	0.127	0.220	0.161	0.161	0.138	0.051	0.347	0.288	0.265	0.339
		Right Tilt	0.056	0.286	0.176	0.176	0.187	0.061	0.342	0.232	0.243	0.293
LTE B66	Ant.4	Left Cheek	0.215	0.411	0.359	0.359	0.272	0.243	0.626	0.574	0.487	0.817
		Left Tilt	0.048	0.329	0.483	0.483	0.260	0.211	0.377	0.531	0.308	0.742
		Right Cheek	0.581	0.220	0.161	0.161	0.138	0.051	0.801	0.742	0.719	0.793
		Right Tilt	0.065	0.286	0.176	0.176	0.187	0.061	0.351	0.241	0.252	0.302
LTE B38	Ant.1	Left Cheek	0.384	0.411	0.359	0.359	0.272	0.243	0.795	0.743	0.656	0.986
		Left Tilt	0.474	0.329	0.483	0.483	0.260	0.211	0.803	0.957	0.734	1.168
		Right Cheek	0.986	0.220	0.161	0.161	0.138	0.051	1.206	1.147	1.124	1.198
		Right Tilt	1.035	0.286	0.176	0.176	0.187	0.061	1.321	1.211	1.222	1.272
LTE B38	Ant.0	Left Cheek	0.146	0.411	0.359	0.359	0.272	0.243	0.557	0.505	0.418	0.748
		Left Tilt	0.060	0.329	0.483	0.483	0.260	0.211	0.389	0.543	0.320	0.754

		Right Cheek	0.063	0.220	0.161	0.161	0.138	0.051	0.283	0.224	0.201	0.275
		Right Tilt	0.028	0.286	0.176	0.176	0.187	0.061	0.314	0.204	0.215	0.265
LTE B38	Ant.4	Left Cheek	0.421	0.411	0.359	0.359	0.272	0.243	0.832	0.780	0.693	1.023
		Left Tilt	0.126	0.329	0.483	0.483	0.260	0.211	0.455	0.609	0.386	0.820
		Right Cheek	0.669	0.220	0.161	0.161	0.138	0.051	0.889	0.830	0.807	0.881
		Right Tilt	0.157	0.286	0.176	0.176	0.187	0.061	0.443	0.333	0.344	0.394
LTE B41	Ant.1	Left Cheek	0.361	0.411	0.359	0.359	0.272	0.243	0.772	0.720	0.633	0.963
		Left Tilt	0.447	0.329	0.483	0.483	0.260	0.211	0.776	0.930	0.707	1.141
		Right Cheek	1.079	0.220	0.161	0.161	0.138	0.051	1.299	1.240	1.217	1.291
		Right Tilt	1.116	0.286	0.176	0.176	0.187	0.061	**1.402**	1.292	1.303	1.353
LTE B41	Ant.0	Left Cheek	0.105	0.411	0.359	0.359	0.272	0.243	0.516	0.464	0.377	0.707
		Left Tilt	0.049	0.329	0.483	0.483	0.260	0.211	0.378	0.532	0.309	0.743
		Right Cheek	0.045	0.220	0.161	0.161	0.138	0.051	0.265	0.206	0.183	0.257
		Right Tilt	0.030	0.286	0.176	0.176	0.187	0.061	0.316	0.206	0.217	0.267
LTE B41	Ant.4	Left Cheek	0.428	0.411	0.359	0.359	0.272	0.243	0.839	0.787	0.700	1.030
		Left Tilt	0.106	0.329	0.483	0.483	0.260	0.211	0.435	0.589	0.366	0.800
		Right Cheek	0.545	0.220	0.161	0.161	0.138	0.051	0.765	0.706	0.683	0.757
		Right Tilt	0.171	0.286	0.176	0.176	0.187	0.061	0.457	0.347	0.358	0.408
n5	Ant.1	Left Cheek	0.279	0.411	0.359	0.359	0.272	0.243	0.690	0.638	0.551	0.881
		Left Tilt	0.260	0.329	0.483	0.483	0.260	0.211	0.589	0.743	0.520	0.954
		Right Cheek	0.442	0.220	0.161	0.161	0.138	0.051	0.662	0.603	0.580	0.654
		Right Tilt	0.368	0.286	0.176	0.176	0.187	0.061	0.654	0.544	0.555	0.605
n5	Ant.0	Left Cheek	0.092	0.411	0.359	0.359	0.272	0.243	0.503	0.451	0.364	0.694
		Left Tilt	0.052	0.329	0.483	0.483	0.260	0.211	0.381	0.535	0.312	0.746
		Right Cheek	0.084	0.220	0.161	0.161	0.138	0.051	0.304	0.245	0.222	0.296
		Right Tilt	0.038	0.286	0.176	0.176	0.187	0.061	0.324	0.214	0.225	0.275
n7	Ant.1	Left Cheek	0.164	0.411	0.359	0.359	0.272	0.243	0.575	0.523	0.436	0.766
		Left Tilt	0.179	0.329	0.483	0.483	0.260	0.211	0.508	0.662	0.439	0.873
		Right Cheek	0.472	0.220	0.161	0.161	0.138	0.051	0.692	0.633	0.610	0.684
		Right Tilt	0.749	0.286	0.176	0.176	0.187	0.061	1.035	0.925	0.936	0.986
n7	Ant.0	Left Cheek	0.054	0.411	0.359	0.359	0.272	0.243	0.465	0.413	0.326	0.656
		Left Tilt	0.048	0.329	0.483	0.483	0.260	0.211	0.377	0.531	0.308	0.742
		Right Cheek	0.045	0.220	0.161	0.161	0.138	0.051	0.265	0.206	0.183	0.257
		Right Tilt	0.037	0.286	0.176	0.176	0.187	0.061	0.323	0.213	0.224	0.274
n7	Ant.4	Left Cheek	0.407	0.411	0.359	0.359	0.272	0.243	0.818	0.766	0.679	1.009
		Left Tilt	0.098	0.329	0.483	0.483	0.260	0.211	0.427	0.581	0.358	0.792
		Right Cheek	0.666	0.220	0.161	0.161	0.138	0.051	0.886	0.827	0.804	0.878
		Right Tilt	0.141	0.286	0.176	0.176	0.187	0.061	0.427	0.317	0.328	0.378
n66	Ant.1	Left Cheek	0.375	0.411	0.359	0.359	0.272	0.243	0.786	0.734	0.647	0.977
		Left Tilt	0.527	0.329	0.483	0.483	0.260	0.211	0.856	1.010	0.787	1.221
		Right Cheek	0.621	0.220	0.161	0.161	0.138	0.051	0.841	0.782	0.759	0.833
		Right Tilt	0.676	0.286	0.176	0.176	0.187	0.061	0.962	0.852	0.863	0.913
n66	Ant.0	Left Cheek	0.069	0.411	0.359	0.359	0.272	0.243	0.480	0.428	0.341	0.671

		Left Tilt	0.047	0.329	0.483	0.483	0.260	0.211	0.376	0.530	0.307	0.741
		Right Cheek	0.102	0.220	0.161	0.161	0.138	0.051	0.322	0.263	0.240	0.314
		Right Tilt	0.046	0.286	0.176	0.176	0.187	0.061	0.332	0.222	0.233	0.283
n66	Ant.4	Left Cheek	0.379	0.411	0.359	0.359	0.272	0.243	0.790	0.738	0.651	0.981
		Left Tilt	0.111	0.329	0.483	0.483	0.260	0.211	0.440	0.594	0.371	0.805
		Right Cheek	0.769	0.220	0.161	0.161	0.138	0.051	0.989	0.930	0.907	0.981
		Right Tilt	0.139	0.286	0.176	0.176	0.187	0.061	0.425	0.315	0.326	0.376
n38	Ant.1	Left Cheek	0.312	0.411	0.359	0.359	0.272	0.243	0.723	0.671	0.584	0.914
		Left Tilt	0.422	0.329	0.483	0.483	0.260	0.211	0.751	0.905	0.682	1.116
		Right Cheek	0.659	0.220	0.161	0.161	0.138	0.051	0.879	0.820	0.797	0.871
		Right Tilt	0.811	0.286	0.176	0.176	0.187	0.061	1.097	0.987	0.998	1.048
n38	Ant.0	Left Cheek	0.114	0.411	0.359	0.359	0.272	0.243	0.525	0.473	0.386	0.716
		Left Tilt	0.043	0.329	0.483	0.483	0.260	0.211	0.372	0.526	0.303	0.737
		Right Cheek	0.048	0.220	0.161	0.161	0.138	0.051	0.268	0.209	0.186	0.260
		Right Tilt	0.023	0.286	0.176	0.176	0.187	0.061	0.309	0.199	0.210	0.260
n38	Ant.4	Left Cheek	0.596	0.411	0.359	0.359	0.272	0.243	1.007	0.955	0.868	1.198
		Left Tilt	0.180	0.329	0.483	0.483	0.260	0.211	0.509	0.663	0.440	0.874
		Right Cheek	0.983	0.220	0.161	0.161	0.138	0.051	1.203	1.144	1.121	1.195
		Right Tilt	0.248	0.286	0.176	0.176	0.187	0.061	0.534	0.424	0.435	0.485
n41	Ant.1	Left Cheek	0.230	0.411	0.359	0.359	0.272	0.243	0.641	0.589	0.502	0.832
		Left Tilt	0.300	0.329	0.483	0.483	0.260	0.211	0.629	0.783	0.560	0.994
		Right Cheek	0.532	0.220	0.161	0.161	0.138	0.051	0.752	0.693	0.670	0.744
		Right Tilt	0.724	0.286	0.176	0.176	0.187	0.061	1.010	0.900	0.911	0.961
n41	Ant.0	Left Cheek	0.153	0.411	0.359	0.359	0.272	0.243	0.564	0.512	0.425	0.755
		Left Tilt	0.043	0.329	0.483	0.483	0.260	0.211	0.372	0.526	0.303	0.737
		Right Cheek	0.114	0.220	0.161	0.161	0.138	0.051	0.334	0.275	0.252	0.326
		Right Tilt	0.044	0.286	0.176	0.176	0.187	0.061	0.330	0.220	0.231	0.281
n41	Ant.4	Left Cheek	0.565	0.411	0.359	0.359	0.272	0.243	0.976	0.924	0.837	1.167
		Left Tilt	0.173	0.329	0.483	0.483	0.260	0.211	0.502	0.656	0.433	0.867
		Right Cheek	0.728	0.220	0.161	0.161	0.138	0.051	0.948	0.889	0.866	0.940
		Right Tilt	0.239	0.286	0.176	0.176	0.187	0.061	0.525	0.415	0.426	0.476

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.402 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.6 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4GWIFI Max.	5GWIFI Max.	5GWIFI Max.	Bluetooth Max.	Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
			State3&5	Level7	Level7	Level8						
GSM850	Ant.0	Front Side 15mm	0.178	0.075	0.157	0.157	0.096	0.029	0.253	0.335	0.274	0.364
		Back Side 15mm	0.196	0.088	0.319	0.319	0.156	0.045	0.284	0.515	0.352	0.560
GSM1900	Ant.0	Front Side 15mm	0.091	0.075	0.157	0.157	0.096	0.029	0.166	0.248	0.187	0.277
		Back Side 15mm	0.118	0.088	0.319	0.319	0.156	0.045	0.206	0.437	0.274	0.482
WCDMA B2	Ant.1	Front Side 15mm	0.154	0.075	0.157	0.157	0.096	0.029	0.229	0.311	0.250	0.340
		Back Side 15mm	0.321	0.088	0.319	0.319	0.156	0.045	0.409	0.640	0.477	0.685
WCDMA B2	Ant.0	Front Side 15mm	0.131	0.075	0.157	0.157	0.096	0.029	0.206	0.288	0.227	0.317
		Back Side 15mm	0.187	0.088	0.319	0.319	0.156	0.045	0.275	0.506	0.343	0.551
WCDMA B4	Ant.1	Front Side 15mm	0.094	0.075	0.157	0.157	0.096	0.029	0.169	0.251	0.190	0.280
		Back Side 15mm	0.166	0.088	0.319	0.319	0.156	0.045	0.254	0.485	0.322	0.530
WCDMA B4	Ant.0	Front Side 15mm	0.139	0.075	0.157	0.157	0.096	0.029	0.214	0.296	0.235	0.325
		Back Side 15mm	0.185	0.088	0.319	0.319	0.156	0.045	0.273	0.504	0.341	0.549
WCDMA B5	Ant.1	Front Side 15mm	0.057	0.075	0.157	0.157	0.096	0.029	0.132	0.214	0.153	0.243
		Back Side 15mm	0.098	0.088	0.319	0.319	0.156	0.045	0.186	0.417	0.254	0.462
WCDMA B5	Ant.0	Front Side 15mm	0.182	0.075	0.157	0.157	0.096	0.029	0.257	0.339	0.278	0.368
		Back Side 15mm	0.189	0.088	0.319	0.319	0.156	0.045	0.277	0.508	0.345	0.553
LTE B2	Ant.1	Front Side 15mm	0.201	0.075	0.157	0.157	0.096	0.029	0.276	0.358	0.297	0.387
		Back Side 15mm	0.402	0.088	0.319	0.319	0.156	0.045	0.490	0.721	0.558	0.766
LTE B2	Ant.0	Front Side 15mm	0.148	0.075	0.157	0.157	0.096	0.029	0.223	0.305	0.244	0.334
		Back Side 15mm	0.225	0.088	0.319	0.319	0.156	0.045	0.313	0.544	0.381	0.589
LTE B4	Ant.1	Front Side 15mm	0.149	0.075	0.157	0.157	0.096	0.029	0.224	0.306	0.245	0.335
		Back Side 15mm	0.285	0.088	0.319	0.319	0.156	0.045	0.373	0.604	0.441	0.649
LTE B4	Ant.0	Front Side 15mm	0.174	0.075	0.157	0.157	0.096	0.029	0.249	0.331	0.270	0.360
		Back Side 15mm	0.246	0.088	0.319	0.319	0.156	0.045	0.334	0.565	0.402	0.610
LTE B4	Ant.4	Front Side 15mm	0.063	0.075	0.157	0.157	0.096	0.029	0.138	0.220	0.159	0.249
		Back Side 15mm	0.077	0.088	0.319	0.319	0.156	0.045	0.165	0.396	0.233	0.441
LTE B5	Ant.1	Front Side 15mm	0.078	0.075	0.157	0.157	0.096	0.029	0.153	0.235	0.174	0.264
		Back Side 15mm	0.140	0.088	0.319	0.319	0.156	0.045	0.228	0.459	0.296	0.504
LTE B5	Ant.0	Front Side 15mm	0.165	0.075	0.157	0.157	0.096	0.029	0.240	0.322	0.261	0.351
		Back Side 15mm	0.178	0.088	0.319	0.319	0.156	0.045	0.266	0.497	0.334	0.542
LTE B7	Ant.1	Front Side 15mm	0.052	0.075	0.157	0.157	0.096	0.029	0.127	0.209	0.148	0.238
		Back Side 15mm	0.285	0.088	0.319	0.319	0.156	0.045	0.373	0.604	0.441	0.649
LTE B7	Ant.0	Front Side 15mm	0.182	0.075	0.157	0.157	0.096	0.029	0.257	0.339	0.278	0.368
		Back Side 15mm	0.207	0.088	0.319	0.319	0.156	0.045	0.295	0.526	0.363	0.571
LTE B7	Ant.4	Front Side 15mm	0.138	0.075	0.157	0.157	0.096	0.029	0.213	0.295	0.234	0.324

		Back Side 15mm	0.157	0.088	0.319	0.319	0.156	0.045	0.245	0.476	0.313	0.521
LTE B12	Ant.1	Front Side 15mm	0.171	0.075	0.157	0.157	0.096	0.029	0.246	0.328	0.267	0.357
		Back Side 15mm	0.253	0.088	0.319	0.319	0.156	0.045	0.341	0.572	0.409	0.617
LTE B12	Ant.0	Front Side 15mm	0.112	0.075	0.157	0.157	0.096	0.029	0.187	0.269	0.208	0.298
		Back Side 15mm	0.119	0.088	0.319	0.319	0.156	0.045	0.207	0.438	0.275	0.483
LTE B13	Ant.1	Front Side 15mm	0.103	0.075	0.157	0.157	0.096	0.029	0.178	0.260	0.199	0.289
		Back Side 15mm	0.211	0.088	0.319	0.319	0.156	0.045	0.299	0.530	0.367	0.575
LTE B13	Ant.0	Front Side 15mm	0.128	0.075	0.157	0.157	0.096	0.029	0.203	0.285	0.224	0.314
		Back Side 15mm	0.135	0.088	0.319	0.319	0.156	0.045	0.223	0.454	0.291	0.499
LTE B17	Ant.1	Front Side 15mm	0.131	0.075	0.157	0.157	0.096	0.029	0.206	0.288	0.227	0.317
		Back Side 15mm	0.221	0.088	0.319	0.319	0.156	0.045	0.309	0.540	0.377	0.585
LTE B17	Ant.0	Front Side 15mm	0.117	0.075	0.157	0.157	0.096	0.029	0.192	0.274	0.213	0.303
		Back Side 15mm	0.128	0.088	0.319	0.319	0.156	0.045	0.216	0.447	0.284	0.492
LTE B26	Ant.1	Front Side 15mm	0.071	0.075	0.157	0.157	0.096	0.029	0.146	0.228	0.167	0.257
		Back Side 15mm	0.123	0.088	0.319	0.319	0.156	0.045	0.211	0.442	0.279	0.487
LTE B26	Ant.0	Front Side 15mm	0.144	0.075	0.157	0.157	0.096	0.029	0.219	0.301	0.240	0.330
		Back Side 15mm	0.145	0.088	0.319	0.319	0.156	0.045	0.233	0.464	0.301	0.509
LTE B66	Ant.1	Front Side 15mm	0.114	0.075	0.157	0.157	0.096	0.029	0.189	0.271	0.210	0.300
		Back Side 15mm	0.215	0.088	0.319	0.319	0.156	0.045	0.303	0.534	0.371	0.579
LTE B66	Ant.0	Front Side 15mm	0.171	0.075	0.157	0.157	0.096	0.029	0.246	0.328	0.267	0.357
		Back Side 15mm	0.221	0.088	0.319	0.319	0.156	0.045	0.309	0.540	0.377	0.585
LTE B66	Ant.4	Front Side 15mm	0.092	0.075	0.157	0.157	0.096	0.029	0.167	0.249	0.188	0.278
		Back Side 15mm	0.125	0.088	0.319	0.319	0.156	0.045	0.213	0.444	0.281	0.489
LTE B38	Ant.1	Front Side 15mm	0.066	0.075	0.157	0.157	0.096	0.029	0.141	0.223	0.162	0.252
		Back Side 15mm	0.359	0.088	0.319	0.319	0.156	0.045	0.447	0.678	0.515	0.723
LTE B38	Ant.0	Front Side 15mm	0.150	0.075	0.157	0.157	0.096	0.029	0.225	0.307	0.246	0.336
		Back Side 15mm	0.153	0.088	0.319	0.319	0.156	0.045	0.241	0.472	0.309	0.517
LTE B38	Ant.4	Front Side 15mm	0.066	0.075	0.157	0.157	0.096	0.029	0.141	0.223	0.162	0.252
		Back Side 15mm	0.077	0.088	0.319	0.319	0.156	0.045	0.165	0.396	0.233	0.441
LTE B41	Ant.1	Front Side 15mm	0.075	0.075	0.157	0.157	0.096	0.029	0.150	0.232	0.171	0.261
		Back Side 15mm	0.094	0.088	0.319	0.319	0.156	0.045	0.182	0.413	0.250	0.458
LTE B41	Ant.0	Front Side 15mm	0.153	0.075	0.157	0.157	0.096	0.029	0.228	0.310	0.249	0.339
		Back Side 15mm	0.190	0.088	0.319	0.319	0.156	0.045	0.278	0.509	0.346	0.554
LTE B41	Ant.4	Front Side 15mm	0.054	0.075	0.157	0.157	0.096	0.029	0.129	0.211	0.150	0.240
		Back Side 15mm	0.055	0.088	0.319	0.319	0.156	0.045	0.143	0.374	0.211	0.419
n5	Ant.1	Front Side 15mm	0.092	0.075	0.157	0.157	0.096	0.029	0.167	0.249	0.188	0.278
		Back Side 15mm	0.160	0.088	0.319	0.319	0.156	0.045	0.248	0.479	0.316	0.524
n5	Ant.0	Front Side 15mm	0.042	0.075	0.157	0.157	0.096	0.029	0.117	0.199	0.138	0.228
		Back Side 15mm	0.065	0.088	0.319	0.319	0.156	0.045	0.153	0.384	0.221	0.429
n7	Ant.1	Front Side 15mm	0.043	0.075	0.157	0.157	0.096	0.029	0.118	0.200	0.139	0.229
		Back Side 15mm	0.223	0.088	0.319	0.319	0.156	0.045	0.311	0.542	0.379	0.587
n7	Ant.0	Front Side 15mm	0.082	0.075	0.157	0.157	0.096	0.029	0.157	0.239	0.178	0.268
		Back Side 15mm	0.093	0.088	0.319	0.319	0.156	0.045	0.181	0.412	0.249	0.457

n7	Ant.4	Front Side 15mm	0.154	0.075	0.157	0.157	0.096	0.029	0.229	0.311	0.250	0.340
		Back Side 15mm	0.174	0.088	0.319	0.319	0.156	0.045	0.262	0.493	0.330	0.538
n66	Ant.1	Front Side 15mm	0.148	0.075	0.157	0.157	0.096	0.029	0.223	0.305	0.244	0.334
		Back Side 15mm	0.263	0.088	0.319	0.319	0.156	0.045	0.351	0.582	0.419	0.627
n66	Ant.0	Front Side 15mm	0.029	0.075	0.157	0.157	0.096	0.029	0.104	0.186	0.125	0.215
		Back Side 15mm	0.039	0.088	0.319	0.319	0.156	0.045	0.127	0.358	0.195	0.403
n66	Ant.4	Front Side 15mm	0.094	0.075	0.157	0.157	0.096	0.029	0.169	0.251	0.190	0.280
		Back Side 15mm	0.118	0.088	0.319	0.319	0.156	0.045	0.206	0.437	0.274	0.482
n38	Ant.1	Front Side 15mm	0.131	0.075	0.157	0.157	0.096	0.029	0.206	0.288	0.227	0.317
		Back Side 15mm	0.488	0.088	0.319	0.319	0.156	0.045	0.576	0.807	0.644	**0.852**
n38	Ant.0	Front Side 15mm	0.138	0.075	0.157	0.157	0.096	0.029	0.213	0.295	0.234	0.324
		Back Side 15mm	0.160	0.088	0.319	0.319	0.156	0.045	0.248	0.479	0.316	0.524
n38	Ant.4	Front Side 15mm	0.121	0.075	0.157	0.157	0.096	0.029	0.196	0.278	0.217	0.307
		Back Side 15mm	0.128	0.088	0.319	0.319	0.156	0.045	0.216	0.447	0.284	0.492
n41	Ant.1	Front Side 15mm	0.118	0.075	0.157	0.157	0.096	0.029	0.193	0.275	0.214	0.304
		Back Side 15mm	0.448	0.088	0.319	0.319	0.156	0.045	0.536	0.767	0.604	0.812
n41	Ant.0	Front Side 15mm	0.138	0.075	0.157	0.157	0.096	0.029	0.213	0.295	0.234	0.324
		Back Side 15mm	0.170	0.088	0.319	0.319	0.156	0.045	0.258	0.489	0.326	0.534
n41	Ant.4	Front Side 15mm	0.145	0.075	0.157	0.157	0.096	0.029	0.220	0.302	0.241	0.331
		Back Side 15mm	0.158	0.088	0.319	0.319	0.156	0.045	0.246	0.477	0.314	0.522

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.852 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.7 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4GWIFI Max.	5GWIFI Max.	5GWIFI Max.	Bluetooth Max.	Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
			State3&5	Level7	Level7	Level8						
GSM850	Ant.0	Front Side 10mm	0.205	0.098	0.073	0.073	0.154	0.043	0.303	0.278	0.359	0.321
		Back Side 10mm	0.256	0.136	0.451	0.451	0.293	0.078	0.392	0.707	0.549	0.785
		Left Edge 10mm	0.100	0.255	0.348	0.348	0.398	0.031	0.355	0.448	0.498	0.479
		Right Edge 10mm	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.250	0.250
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.166	0.000	0.000	0.000	0.000	0.000	0.166	0.166	0.166	0.166
GSM1900	Ant.0	Front Side 10mm	0.158	0.098	0.073	0.073	0.154	0.043	0.256	0.231	0.312	0.274
		Back Side 10mm	0.174	0.136	0.451	0.451	0.293	0.078	0.310	0.625	0.467	0.703
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.073	0.000	0.000	0.000	0.000	0.000	0.073	0.073	0.073	0.073
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.267	0.000	0.000	0.000	0.000	0.000	0.267	0.267	0.267	0.267
WCDMA B2	Ant.1	Front Side 10mm	0.271	0.098	0.073	0.073	0.154	0.043	0.369	0.344	0.425	0.387
		Back Side 10mm	0.713	0.136	0.451	0.451	0.293	0.078	0.849	1.164	1.006	1.242
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.153	0.000	0.000	0.000	0.000	0.000	0.153	0.153	0.153	0.153
		Top Edge 10mm	0.682	0.139	0.336	0.336	0.315	0.065	0.821	1.018	0.997	1.083
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.0	Front Side 10mm	0.318	0.098	0.073	0.073	0.154	0.043	0.416	0.391	0.472	0.434
		Back Side 10mm	0.436	0.136	0.451	0.451	0.293	0.078	0.572	0.887	0.729	0.965
		Left Edge 10mm	0.062	0.255	0.348	0.348	0.398	0.031	0.317	0.410	0.460	0.441
		Right Edge 10mm	0.080	0.000	0.000	0.000	0.000	0.000	0.080	0.080	0.080	0.080
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.683	0.000	0.000	0.000	0.000	0.000	0.683	0.683	0.683	0.683
WCDMA B4	Ant.1	Front Side 10mm	0.134	0.098	0.073	0.073	0.154	0.043	0.232	0.207	0.288	0.250
		Back Side 10mm	0.318	0.136	0.451	0.451	0.293	0.078	0.454	0.769	0.611	0.847
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.071	0.000	0.000	0.000	0.000	0.000	0.071	0.071	0.071	0.071
		Top Edge 10mm	0.294	0.139	0.336	0.336	0.315	0.065	0.433	0.630	0.609	0.695
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.0	Front Side 10mm	0.263	0.098	0.073	0.073	0.154	0.043	0.361	0.336	0.417	0.379
		Back Side 10mm	0.353	0.136	0.451	0.451	0.293	0.078	0.489	0.804	0.646	0.882
		Left Edge 10mm	0.045	0.255	0.348	0.348	0.398	0.031	0.300	0.393	0.443	0.424
		Right Edge 10mm	0.111	0.000	0.000	0.000	0.000	0.000	0.111	0.111	0.111	0.111
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.505	0.000	0.000	0.000	0.000	0.000	0.505	0.505	0.505	0.505

WCDMA B5	Ant.1	Front Side 10mm	0.099	0.098	0.073	0.073	0.154	0.043	0.197	0.172	0.253	0.215
		Back Side 10mm	0.230	0.136	0.451	0.451	0.293	0.078	0.366	0.681	0.523	0.759
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.046	0.000	0.000	0.000	0.000	0.000	0.046	0.046	0.046	0.046
		Top Edge 10mm	0.129	0.139	0.336	0.336	0.315	0.065	0.268	0.465	0.444	0.530
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.0	Front Side 10mm	0.172	0.098	0.073	0.073	0.154	0.043	0.270	0.245	0.326	0.288
		Back Side 10mm	0.257	0.136	0.451	0.451	0.293	0.078	0.393	0.708	0.550	0.786
		Left Edge 10mm	0.083	0.255	0.348	0.348	0.398	0.031	0.338	0.431	0.481	0.462
		Right Edge 10mm	0.208	0.000	0.000	0.000	0.000	0.000	0.208	0.208	0.208	0.208
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.150	0.000	0.000	0.000	0.000	0.000	0.150	0.150	0.150	0.150
LTE B2	Ant.1	Front Side 10mm	0.249	0.098	0.073	0.073	0.154	0.043	0.347	0.322	0.403	0.365
		Back Side 10mm	0.645	0.136	0.451	0.451	0.293	0.078	0.781	1.096	0.938	1.174
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.147	0.000	0.000	0.000	0.000	0.000	0.147	0.147	0.147	0.147
		Top Edge 10mm	0.761	0.139	0.336	0.336	0.315	0.065	0.900	1.097	1.076	1.162
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.0	Front Side 10mm	0.269	0.098	0.073	0.073	0.154	0.043	0.367	0.342	0.423	0.385
		Back Side 10mm	0.392	0.136	0.451	0.451	0.293	0.078	0.528	0.843	0.685	0.921
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.075	0.000	0.000	0.000	0.000	0.000	0.075	0.075	0.075	0.075
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.701	0.000	0.000	0.000	0.000	0.000	0.701	0.701	0.701	0.701
LTE B4	Ant.1	Front Side 10mm	0.196	0.098	0.073	0.073	0.154	0.043	0.294	0.269	0.350	0.312
		Back Side 10mm	0.472	0.136	0.451	0.451	0.293	0.078	0.608	0.923	0.765	1.001
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.108	0.000	0.000	0.000	0.000	0.000	0.108	0.108	0.108	0.108
		Top Edge 10mm	0.639	0.139	0.336	0.336	0.315	0.065	0.778	0.975	0.954	1.040
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.0	Front Side 10mm	0.312	0.098	0.073	0.073	0.154	0.043	0.410	0.385	0.466	0.428
		Back Side 10mm	0.481	0.136	0.451	0.451	0.293	0.078	0.617	0.932	0.774	1.010
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.106	0.000	0.000	0.000	0.000	0.000	0.106	0.106	0.106	0.106
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.691	0.000	0.000	0.000	0.000	0.000	0.691	0.691	0.691	0.691
LTE B4	Ant.4	Front Side 10mm	0.115	0.098	0.073	0.073	0.154	0.043	0.213	0.188	0.269	0.231
		Back Side 10mm	0.153	0.136	0.451	0.451	0.293	0.078	0.289	0.604	0.446	0.682
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.246	0.000	0.000	0.000	0.000	0.000	0.246	0.246	0.246	0.246
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.1	Front Side 10mm	0.126	0.098	0.073	0.073	0.154	0.043	0.224	0.199	0.280	0.242

		Back Side 10mm	0.295	0.136	0.451	0.451	0.293	0.078	0.431	0.746	0.588	0.824
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.087	0.000	0.000	0.000	0.000	0.000	0.087	0.087	0.087	0.087
		Top Edge 10mm	0.170	0.139	0.336	0.336	0.315	0.065	0.309	0.506	0.485	0.571
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.0	Front Side 10mm	0.161	0.098	0.073	0.073	0.154	0.043	0.259	0.234	0.315	0.277
		Back Side 10mm	0.255	0.136	0.451	0.451	0.293	0.078	0.391	0.706	0.548	0.784
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.154	0.000	0.000	0.000	0.000	0.000	0.154	0.154	0.154	0.154
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.121	0.000	0.000	0.000	0.000	0.000	0.121	0.121	0.121	0.121
LTE B7	Ant.1	Front Side 10mm	0.093	0.098	0.073	0.073	0.154	0.043	0.191	0.166	0.247	0.209
		Back Side 10mm	0.699	0.136	0.451	0.451	0.293	0.078	0.835	1.150	0.992	1.228
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.167	0.000	0.000	0.000	0.000	0.000	0.167	0.167	0.167	0.167
		Top Edge 10mm	0.377	0.139	0.336	0.336	0.315	0.065	0.516	0.713	0.692	0.778
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.0	Front Side 10mm	0.295	0.098	0.073	0.073	0.154	0.043	0.393	0.368	0.449	0.411
		Back Side 10mm	0.335	0.136	0.451	0.451	0.293	0.078	0.471	0.786	0.628	0.864
		Left Edge 10mm	0.063	0.255	0.348	0.348	0.398	0.031	0.318	0.411	0.461	0.442
		Right Edge 10mm	0.105	0.000	0.000	0.000	0.000	0.000	0.105	0.105	0.105	0.105
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.668	0.000	0.000	0.000	0.000	0.000	0.668	0.668	0.668	0.668
LTE B7	Ant.4	Front Side 10mm	0.228	0.098	0.073	0.073	0.154	0.043	0.326	0.301	0.382	0.344
		Back Side 10mm	0.256	0.136	0.451	0.451	0.293	0.078	0.392	0.707	0.549	0.785
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.380	0.000	0.000	0.000	0.000	0.000	0.380	0.380	0.380	0.380
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.1	Front Side 10mm	0.106	0.098	0.073	0.073	0.154	0.043	0.204	0.179	0.260	0.222
		Back Side 10mm	0.248	0.136	0.451	0.451	0.293	0.078	0.384	0.699	0.541	0.777
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.179	0.000	0.000	0.000	0.000	0.000	0.179	0.179	0.179	0.179
		Top Edge 10mm	0.126	0.139	0.336	0.336	0.315	0.065	0.265	0.462	0.441	0.527
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.0	Front Side 10mm	0.112	0.098	0.073	0.073	0.154	0.043	0.210	0.185	0.266	0.228
		Back Side 10mm	0.145	0.136	0.451	0.451	0.293	0.078	0.281	0.596	0.438	0.674
		Left Edge 10mm	0.096	0.255	0.348	0.348	0.398	0.031	0.351	0.444	0.494	0.475
		Right Edge 10mm	0.133	0.000	0.000	0.000	0.000	0.000	0.133	0.133	0.133	0.133
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.066	0.000	0.000	0.000	0.000	0.000	0.066	0.066	0.066	0.066
LTE B13	Ant.1	Front Side 10mm	0.154	0.098	0.073	0.073	0.154	0.043	0.252	0.227	0.308	0.270
		Back Side 10mm	0.318	0.136	0.451	0.451	0.293	0.078	0.454	0.769	0.611	0.847

		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.091	0.000	0.000	0.000	0.000	0.000	0.091	0.091	0.091	0.091
		Top Edge 10mm	0.167	0.139	0.336	0.336	0.315	0.065	0.306	0.503	0.482	0.568
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B13	Ant.0	Front Side 10mm	0.128	0.098	0.073	0.073	0.154	0.043	0.226	0.201	0.282	0.244
		Back Side 10mm	0.194	0.136	0.451	0.451	0.293	0.078	0.330	0.645	0.487	0.723
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.106	0.000	0.000	0.000	0.000	0.000	0.106	0.106	0.106	0.106
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.078	0.000	0.000	0.000	0.000	0.000	0.078	0.078	0.078	0.078
LTE B17	Ant.1	Front Side 10mm	0.158	0.098	0.073	0.073	0.154	0.043	0.256	0.231	0.312	0.274
		Back Side 10mm	0.341	0.136	0.451	0.451	0.293	0.078	0.477	0.792	0.634	0.870
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.098	0.000	0.000	0.000	0.000	0.000	0.098	0.098	0.098	0.098
		Top Edge 10mm	0.203	0.139	0.336	0.336	0.315	0.065	0.342	0.539	0.518	0.604
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B17	Ant.0	Front Side 10mm	0.110	0.098	0.073	0.073	0.154	0.043	0.208	0.183	0.264	0.226
		Back Side 10mm	0.159	0.136	0.451	0.451	0.293	0.078	0.295	0.610	0.452	0.688
		Left Edge 10mm	0.071	0.255	0.348	0.348	0.398	0.031	0.326	0.419	0.469	0.450
		Right Edge 10mm	0.112	0.000	0.000	0.000	0.000	0.000	0.112	0.112	0.112	0.112
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.082	0.000	0.000	0.000	0.000	0.000	0.082	0.082	0.082	0.082
LTE B26	Ant.1	Front Side 10mm	0.097	0.098	0.073	0.073	0.154	0.043	0.195	0.170	0.251	0.213
		Back Side 10mm	0.167	0.136	0.451	0.451	0.293	0.078	0.303	0.618	0.460	0.696
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.062	0.000	0.000	0.000	0.000	0.000	0.062	0.062	0.062	0.062
		Top Edge 10mm	0.123	0.139	0.336	0.336	0.315	0.065	0.262	0.459	0.438	0.524
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B26	Ant.0	Front Side 10mm	0.110	0.098	0.073	0.073	0.154	0.043	0.208	0.183	0.264	0.226
		Back Side 10mm	0.172	0.136	0.451	0.451	0.293	0.078	0.308	0.623	0.465	0.701
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.170	0.000	0.000	0.000	0.000	0.000	0.170	0.170	0.170	0.170
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.098	0.000	0.000	0.000	0.000	0.000	0.098	0.098	0.098	0.098
LTE B66	Ant.1	Front Side 10mm	0.154	0.098	0.073	0.073	0.154	0.043	0.252	0.227	0.308	0.270
		Back Side 10mm	0.355	0.136	0.451	0.451	0.293	0.078	0.491	0.806	0.648	0.884
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.098	0.000	0.000	0.000	0.000	0.000	0.098	0.098	0.098	0.098
		Top Edge 10mm	0.533	0.139	0.336	0.336	0.315	0.065	0.672	0.869	0.848	0.934
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.0	Front Side 10mm	0.288	0.098	0.073	0.073	0.154	0.043	0.386	0.361	0.442	0.404
		Back Side 10mm	0.397	0.136	0.451	0.451	0.293	0.078	0.533	0.848	0.690	0.926
		Left Edge 10mm	0.038	0.255	0.348	0.348	0.398	0.031	0.293	0.386	0.436	0.417

		Right Edge 10mm	0.109	0.000	0.000	0.000	0.000	0.000	0.109	0.109	0.109	0.109
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.653	0.000	0.000	0.000	0.000	0.000	0.653	0.653	0.653	0.653
LTE B66	Ant.4	Front Side 10mm	0.166	0.098	0.073	0.073	0.154	0.043	0.264	0.239	0.320	0.282
		Back Side 10mm	0.216	0.136	0.451	0.451	0.293	0.078	0.352	0.667	0.509	0.745
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.350	0.000	0.000	0.000	0.000	0.000	0.350	0.350	0.350	0.350
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.1	Front Side 10mm	0.111	0.098	0.073	0.073	0.154	0.043	0.209	0.184	0.265	0.227
		Back Side 10mm	0.759	0.136	0.451	0.451	0.293	0.078	0.895	1.210	1.052	1.288
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.207	0.000	0.000	0.000	0.000	0.000	0.207	0.207	0.207	0.207
		Top Edge 10mm	0.394	0.139	0.336	0.336	0.315	0.065	0.533	0.730	0.709	0.795
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.0	Front Side 10mm	0.326	0.098	0.073	0.073	0.154	0.043	0.424	0.399	0.480	0.442
		Back Side 10mm	0.337	0.136	0.451	0.451	0.293	0.078	0.473	0.788	0.630	0.866
		Left Edge 10mm	0.125	0.255	0.348	0.348	0.398	0.031	0.380	0.473	0.523	0.504
		Right Edge 10mm	0.117	0.000	0.000	0.000	0.000	0.000	0.117	0.117	0.117	0.117
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.708	0.000	0.000	0.000	0.000	0.000	0.708	0.708	0.708	0.708
LTE B38	Ant.4	Front Side 10mm	0.116	0.098	0.073	0.073	0.154	0.043	0.214	0.189	0.270	0.232
		Back Side 10mm	0.147	0.136	0.451	0.451	0.293	0.078	0.283	0.598	0.440	0.676
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.218	0.000	0.000	0.000	0.000	0.000	0.218	0.218	0.218	0.218
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.1	Front Side 10mm	0.122	0.098	0.073	0.073	0.154	0.043	0.220	0.195	0.276	0.238
		Back Side 10mm	0.975	0.136	0.451	0.451	0.293	0.078	1.111	1.426	1.268	1.504
		Left Edge 10mm	0.183	0.255	0.348	0.348	0.398	0.031	0.438	0.531	0.581	0.562
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.437	0.139	0.336	0.336	0.315	0.065	0.576	0.773	0.752	0.838
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.0	Front Side 10mm	0.110	0.098	0.073	0.073	0.154	0.043	0.208	0.183	0.264	0.226
		Back Side 10mm	0.333	0.136	0.451	0.451	0.293	0.078	0.469	0.784	0.626	0.862
		Left Edge 10mm	0.065	0.255	0.348	0.348	0.398	0.031	0.320	0.413	0.463	0.444
		Right Edge 10mm	0.105	0.000	0.000	0.000	0.000	0.000	0.105	0.105	0.105	0.105
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.691	0.000	0.000	0.000	0.000	0.000	0.691	0.691	0.691	0.691
LTE B41	Ant.4	Front Side 10mm	0.142	0.098	0.073	0.073	0.154	0.043	0.240	0.215	0.296	0.258
		Back Side 10mm	0.187	0.136	0.451	0.451	0.293	0.078	0.323	0.638	0.480	0.716
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.234	0.000	0.000	0.000	0.000	0.000	0.234	0.234	0.234	0.234

		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n5	Ant.1	Front Side 10mm	0.138	0.098	0.073	0.073	0.154	0.043	0.236	0.211	0.292	0.254
		Back Side 10mm	0.286	0.136	0.451	0.451	0.293	0.078	0.422	0.737	0.579	0.815
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.068	0.000	0.000	0.000	0.000	0.000	0.068	0.068	0.068	0.068
		Top Edge 10mm	0.133	0.139	0.336	0.336	0.315	0.065	0.272	0.469	0.448	0.534
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n5	Ant.0	Front Side 10mm	0.086	0.098	0.073	0.073	0.154	0.043	0.184	0.159	0.240	0.202
		Back Side 10mm	0.133	0.136	0.451	0.451	0.293	0.078	0.269	0.584	0.426	0.662
		Left Edge 10mm	0.042	0.255	0.348	0.348	0.398	0.031	0.297	0.390	0.440	0.421
		Right Edge 10mm	0.102	0.000	0.000	0.000	0.000	0.000	0.102	0.102	0.102	0.102
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.107	0.000	0.000	0.000	0.000	0.000	0.107	0.107	0.107	0.107
n7	Ant.1	Front Side 10mm	0.078	0.098	0.073	0.073	0.154	0.043	0.176	0.151	0.232	0.194
		Back Side 10mm	0.567	0.136	0.451	0.451	0.293	0.078	0.703	1.018	0.860	1.096
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.149	0.000	0.000	0.000	0.000	0.000	0.149	0.149	0.149	0.149
		Top Edge 10mm	0.266	0.139	0.336	0.336	0.315	0.065	0.405	0.602	0.581	0.667
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n7	Ant.0	Front Side 10mm	0.122	0.098	0.073	0.073	0.154	0.043	0.220	0.195	0.276	0.238
		Back Side 10mm	0.129	0.136	0.451	0.451	0.293	0.078	0.265	0.580	0.422	0.658
		Left Edge 10mm	0.049	0.255	0.348	0.348	0.398	0.031	0.304	0.397	0.447	0.428
		Right Edge 10mm	0.092	0.000	0.000	0.000	0.000	0.000	0.092	0.092	0.092	0.092
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	1.043	0.000	0.000	0.000	0.000	0.000	1.043	1.043	1.043	1.043
n7	Ant.4	Front Side 10mm	0.199	0.098	0.073	0.073	0.154	0.043	0.297	0.272	0.353	0.315
		Back Side 10mm	0.377	0.136	0.451	0.451	0.293	0.078	0.513	0.828	0.670	0.906
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.357	0.000	0.000	0.000	0.000	0.000	0.357	0.357	0.357	0.357
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n66	Ant.1	Front Side 10mm	0.208	0.098	0.073	0.073	0.154	0.043	0.306	0.281	0.362	0.324
		Back Side 10mm	0.494	0.136	0.451	0.451	0.293	0.078	0.630	0.945	0.787	1.023
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.116	0.000	0.000	0.000	0.000	0.000	0.116	0.116	0.116	0.116
		Top Edge 10mm	0.369	0.139	0.336	0.336	0.315	0.065	0.508	0.705	0.684	0.770
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n66	Ant.0	Front Side 10mm	0.171	0.098	0.073	0.073	0.154	0.043	0.269	0.244	0.325	0.287
		Back Side 10mm	0.210	0.136	0.451	0.451	0.293	0.078	0.346	0.661	0.503	0.739
		Left Edge 10mm	0.025	0.255	0.348	0.348	0.398	0.031	0.280	0.373	0.423	0.404
		Right Edge 10mm	0.088	0.000	0.000	0.000	0.000	0.000	0.088	0.088	0.088	0.088
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401

		Bottom Edge 10mm	0.582	0.000	0.000	0.000	0.000	0.000	0.582	0.582	0.582	0.582
n66	Ant.4	Front Side 10mm	0.245	0.098	0.073	0.073	0.154	0.043	0.343	0.318	0.399	0.361
		Back Side 10mm	0.335	0.136	0.451	0.451	0.293	0.078	0.471	0.786	0.628	0.864
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.494	0.000	0.000	0.000	0.000	0.000	0.494	0.494	0.494	0.494
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n38	Ant.1	Front Side 10mm	0.176	0.098	0.073	0.073	0.154	0.043	0.274	0.249	0.330	0.292
		Back Side 10mm	1.057	0.136	0.451	0.451	0.293	0.078	1.193	1.508	1.350	**1.586**
		Left Edge 10mm	0.312	0.255	0.348	0.348	0.398	0.031	0.567	0.660	0.710	0.691
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.682	0.139	0.336	0.336	0.315	0.065	0.821	1.018	0.997	1.083
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n38	Ant.0	Front Side 10mm	0.474	0.098	0.073	0.073	0.154	0.043	0.572	0.547	0.628	0.590
		Back Side 10mm	0.487	0.136	0.451	0.451	0.293	0.078	0.623	0.938	0.780	1.016
		Left Edge 10mm	0.184	0.255	0.348	0.348	0.398	0.031	0.439	0.532	0.582	0.563
		Right Edge 10mm	0.170	0.000	0.000	0.000	0.000	0.000	0.170	0.170	0.170	0.170
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	1.033	0.000	0.000	0.000	0.000	0.000	1.033	1.033	1.033	1.033
n38	Ant.4	Front Side 10mm	0.323	0.098	0.073	0.073	0.154	0.043	0.421	0.396	0.477	0.439
		Back Side 10mm	0.364	0.136	0.451	0.451	0.293	0.078	0.500	0.815	0.657	0.893
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.533	0.000	0.000	0.000	0.000	0.000	0.533	0.533	0.533	0.533
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n41	Ant.1	Front Side 10mm	0.135	0.098	0.073	0.073	0.154	0.043	0.233	0.208	0.289	0.251
		Back Side 10mm	0.796	0.136	0.451	0.451	0.293	0.078	0.932	1.247	1.089	1.325
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.220	0.000	0.000	0.000	0.000	0.000	0.220	0.220	0.220	0.220
		Top Edge 10mm	0.519	0.139	0.336	0.336	0.315	0.065	0.658	0.855	0.834	0.920
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n41	Ant.0	Front Side 10mm	0.527	0.098	0.073	0.073	0.154	0.043	0.625	0.600	0.681	0.643
		Back Side 10mm	0.583	0.136	0.451	0.451	0.293	0.078	0.719	1.034	0.876	1.112
		Left Edge 10mm	0.198	0.255	0.348	0.348	0.398	0.031	0.453	0.546	0.596	0.577
		Right Edge 10mm	0.169	0.000	0.000	0.000	0.000	0.000	0.169	0.169	0.169	0.169
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	1.173	0.000	0.000	0.000	0.000	0.000	1.173	1.173	1.173	1.173
n41	Ant.4	Front Side 10mm	0.403	0.098	0.073	0.073	0.154	0.043	0.501	0.476	0.557	0.519
		Back Side 10mm	0.512	0.136	0.451	0.451	0.293	0.078	0.648	0.963	0.805	1.041
		Left Edge 10mm	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		Right Edge 10mm	0.632	0.000	0.000	0.000	0.000	0.000	0.632	0.632	0.632	0.632
		Top Edge 10mm	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.586 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.8 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4GWIFI Max.	5GWIFI Max.	5GWIFI Max.	Bluetooth Max.	Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
			State3&5	Level7	Level7	Level8						
LTE B2	Ant.0	Bottom Edge 0mm	2.057	0.000	0.000	0.000	0.000	0.000	2.057	2.057	2.057	2.057
LTE B7	Ant.1	Back Side 0mm	0.862	0.426	0.587	0.587	0.816	0.256	1.288	1.449	1.678	1.705
		Top Edge 0mm	0.868	0.359	0.490	0.490	0.773	0.246	1.227	1.358	1.641	1.604
LTE B7	Ant.0	Bottom Edge 0mm	0.781	0.000	0.000	0.000	0.000	0.000	0.781	0.781	0.781	0.781
LTE B38	Ant.1	Back Side 0mm	1.353	0.426	0.587	0.587	0.816	0.256	1.779	1.940	2.169	2.196
LTE B41	Ant.1	Back Side 0mm	1.372	0.426	0.587	0.587	0.816	0.256	1.798	1.959	2.188	2.215
n7	Ant.1	Back Side 0mm	1.001	0.426	0.587	0.587	0.816	0.256	1.427	1.588	1.817	1.844
n38	Ant.1	Back Side 0mm	1.974	0.426	0.587	0.587	0.816	0.256	2.400	2.561	2.790	**2.817**
n41	Ant.1	Back Side 0mm	1.785	0.426	0.587	0.587	0.816	0.256	2.211	2.372	2.601	2.628
		Right Edge 0mm	0.978	0.000	0.000	0.000	0.000	0.000	0.978	0.978	0.978	0.978
		Top Edge 0mm	1.704	0.359	0.490	0.490	0.773	0.246	2.063	2.194	2.477	2.440
n41	Ant.0	Bottom Edge 0mm	1.304	0.000	0.000	0.000	0.000	0.000	1.304	1.304	1.304	1.304

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 2.817 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.9 Head Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

.5	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR								SUM SAR			
		LTE SAR	LTE Max Power	LTE Max Power State4&6		NR SAR	NR Max Power	NR Max Power State4&6		LTE SAR State4&6	NR SAR State4&6	1 ENDC (LTE+NR) State4&6	2 2.4GWIFI Max. Level3	3 5GWIFI Max. Level3	4 5GWIFI Max. Level4	5 Bluetooth Max.	6 Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
DC_7A+n5A	Ant.1	0.223	19.50	19.30	Ant.0	0.092	24.20	24.20	Left Cheek	0.213	0.092	0.305	0.411	0.359	0.359	0.272	0.243	0.716	0.664	0.577	0.907
		0.297	19.50	19.30		0.052	24.20	24.20	Left Tilt	0.284	0.052	0.336	0.329	0.483	0.483	0.260	0.211	0.665	0.819	0.596	1.030
		0.601	19.50	19.30		0.084	24.20	24.20	Right Cheek	0.574	0.084	0.658	0.220	0.161	0.161	0.138	0.051	0.878	0.819	0.796	0.870
		0.662	19.50	19.30		0.038	24.20	24.20	Right Tilt	0.632	0.038	0.670	0.286	0.176	0.176	0.187	0.061	0.956	0.846	0.857	0.907
DC_7A+n5A	Ant.4	0.522	19.80	19.60	Ant.0	0.092	24.20	24.20	Left Cheek	0.499	0.092	0.591	0.411	0.359	0.359	0.272	0.243	1.002	0.950	0.863	1.193
		0.100	19.80	19.60		0.052	24.20	24.20	Left Tilt	0.095	0.052	0.147	0.329	0.483	0.483	0.260	0.211	0.476	0.630	0.407	0.841
		0.737	19.80	19.60		0.084	24.20	24.20	Right Cheek	0.704	0.084	0.788	0.220	0.161	0.161	0.138	0.051	1.008	0.949	0.926	1.000
		0.148	19.80	19.60		0.038	24.20	24.20	Right Tilt	0.141	0.038	0.179	0.286	0.176	0.176	0.187	0.061	0.465	0.355	0.366	0.416
DC_66A+n5A	Ant.1	0.391	22.00	20.80	Ant.0	0.092	24.20	24.20	Left Cheek	0.297	0.092	0.389	0.411	0.359	0.359	0.272	0.243	0.800	0.748	0.661	0.991
		0.449	22.00	20.80		0.052	24.20	24.20	Left Tilt	0.341	0.052	0.393	0.329	0.483	0.483	0.260	0.211	0.722	0.876	0.653	1.087
		0.495	22.00	20.80		0.084	24.20	24.20	Right Cheek	0.375	0.084	0.459	0.220	0.161	0.161	0.138	0.051	0.679	0.620	0.597	0.671
		0.615	22.00	20.80		0.038	24.20	24.20	Right Tilt	0.467	0.038	0.505	0.286	0.176	0.176	0.187	0.061	0.791	0.681	0.692	0.742
DC_66A+n5A	Ant.4	0.215	18.60	18.60	Ant.0	0.092	24.20	24.20	Left Cheek	0.215	0.092	0.307	0.411	0.359	0.359	0.272	0.243	0.718	0.666	0.579	0.909
		0.048	18.60	18.60		0.052	24.20	24.20	Left Tilt	0.048	0.052	0.100	0.329	0.483	0.483	0.260	0.211	0.429	0.583	0.360	0.794
		0.581	18.60	18.60		0.084	24.20	24.20	Right Cheek	0.581	0.084	0.665	0.220	0.161	0.161	0.138	0.051	0.885	0.826	0.803	0.877
		0.065	18.60	18.60		0.038	24.20	24.20	Right Tilt	0.065	0.038	0.103	0.286	0.176	0.176	0.187	0.061	0.389	0.279	0.290	0.340
DC_5A+n7A	Ant.0	0.192	24.50	24.30	Ant.1	0.164	21.00	21.00	Left Cheek	0.183	0.164	0.347	0.411	0.359	0.359	0.272	0.243	0.758	0.706	0.619	0.949
		0.102	24.50	24.30		0.179	21.00	21.00	Left Tilt	0.097	0.179	0.276	0.329	0.483	0.483	0.260	0.211	0.605	0.759	0.536	0.970
		0.173	24.50	24.30		0.472	21.00	21.00	Right Cheek	0.165	0.472	0.637	0.220	0.161	0.161	0.138	0.051	0.857	0.798	0.775	0.849
		0.087	24.50	24.30		0.749	21.00	21.00	Right Tilt	0.083	0.749	0.832	0.286	0.176	0.176	0.187	0.061	1.118	1.008	1.019	1.069
DC_5A+n7A	Ant.0	0.192	24.50	24.30	Ant.4	0.407	20.20	20.20	Left Cheek	0.183	0.407	0.590	0.411	0.359	0.359	0.272	0.243	1.001	0.949	0.862	1.192
		0.102	24.50	24.30		0.098	20.20	20.20	Left Tilt	0.097	0.098	0.195	0.329	0.483	0.483	0.260	0.211	0.524	0.678	0.455	0.889
		0.173	24.50	24.30		0.666	20.20	20.20	Right Cheek	0.165	0.666	0.831	0.220	0.161	0.161	0.138	0.051	1.051	0.992	0.969	1.043
		0.087	24.50	24.30		0.141	20.20	20.20	Right Tilt	0.083	0.141	0.224	0.286	0.176	0.176	0.187	0.061	0.510	0.400	0.411	0.461
DC_66A+n7A	Ant.0	0.084	24.00	23.80	Ant.1	0.164	21.00	21.00	Left Cheek	0.080	0.164	0.244	0.411	0.359	0.359	0.272	0.243	0.655	0.603	0.516	0.846
		0.057	24.00	23.80		0.179	21.00	21.00	Left Tilt	0.054	0.179	0.233	0.329	0.483	0.483	0.260	0.211	0.562	0.716	0.493	0.927
		0.127	24.00	23.80		0.472	21.00	21.00	Right Cheek	0.121	0.472	0.593	0.220	0.161	0.161	0.138	0.051	0.813	0.754	0.731	0.805
		0.056	24.00	23.80		0.749	21.00	21.00	Right Tilt	0.053	0.749	0.802	0.286	0.176	0.176	0.187	0.061	1.088	0.978	0.989	1.039
DC_66A+n7A	Ant.0	0.084	24.00	23.80	Ant.4	0.407	20.20	20.20	Left Cheek	0.080	0.407	0.487	0.411	0.359	0.359	0.272	0.243	0.898	0.846	0.759	1.089
		0.057	24.00	23.80		0.098	20.20	20.20	Left Tilt	0.054	0.098	0.152	0.329	0.483	0.483	0.260	0.211	0.481	0.635	0.412	0.846
		0.127	24.00	23.80		0.666	20.20	20.20	Right Cheek	0.121	0.666	0.787	0.220	0.161	0.161	0.138	0.051	1.007	0.948	0.925	0.999
		0.056	24.00	23.80		0.141	20.20	20.20	Right Tilt	0.053	0.141	0.194	0.286	0.176	0.176	0.187	0.061	0.480	0.370	0.381	0.431
DC_2A+n66A	Ant.0	0.129	23.50	23.30	Ant.1	0.375	22.20	22.20	Left Cheek	0.123	0.375	0.498	0.411	0.359	0.359	0.272	0.243	0.909	0.857	0.770	1.100
		0.076	23.50	23.30		0.527	22.20	22.20	Left Tilt	0.073	0.527	0.600	0.329	0.483	0.483	0.260	0.211	0.929	1.083	0.860	1.294
		0.112	23.50	23.30		0.621	22.20	22.20	Right Cheek	0.107	0.621	0.728	0.220	0.161	0.161	0.138	0.051	0.948	0.889	0.866	0.940
		0.081	23.50	23.30		0.676	22.20	22.20	Right Tilt	0.077	0.676	0.753	0.286	0.176	0.176	0.187	0.061	1.039	0.929	0.940	0.990

DC_2A+n66A	Ant.0	0.129	23.50	23.30	Ant.4	0.379	20.20	20.20	Left Cheek	0.123	0.379	0.502	0.411	0.359	0.359	0.272	0.243	0.913	0.861	0.774	1.104
		0.076	23.50	23.30		0.111	20.20	20.20	Left Tilt	0.073	0.111	0.184	0.329	0.483	0.483	0.260	0.211	0.513	0.667	0.444	0.878
		0.112	23.50	23.30		0.769	20.20	20.20	Right Cheek	0.107	0.769	0.876	0.220	0.161	0.161	0.138	0.051	1.096	1.037	1.014	1.088
		0.081	23.50	23.30		0.139	20.20	20.20	Right Tilt	0.077	0.139	0.216	0.286	0.176	0.176	0.187	0.061	0.502	0.392	0.403	0.453
DC_5A+n66A	Ant.0	0.192	24.50	24.30	Ant.1	0.375	22.20	22.20	Left Cheek	0.183	0.375	0.558	0.411	0.359	0.359	0.272	0.243	0.969	0.917	0.830	1.160
		0.102	24.50	24.30		0.527	22.20	22.20	Left Tilt	0.097	0.527	0.624	0.329	0.483	0.483	0.260	0.211	0.953	1.107	0.884	1.318
		0.173	24.50	24.30		0.621	22.20	22.20	Right Cheek	0.165	0.621	0.786	0.220	0.161	0.161	0.138	0.051	1.006	0.947	0.924	0.998
		0.087	24.50	24.30		0.676	22.20	22.20	Right Tilt	0.083	0.676	0.759	0.286	0.176	0.176	0.187	0.061	1.045	0.935	0.946	0.996
DC_5A+n66A	Ant.0	0.192	24.50	24.30	Ant.4	0.379	20.20	20.20	Left Cheek	0.183	0.379	0.562	0.411	0.359	0.359	0.272	0.243	0.973	0.921	0.834	1.164
		0.102	24.50	24.30		0.111	20.20	20.20	Left Tilt	0.097	0.111	0.208	0.329	0.483	0.483	0.260	0.211	0.537	0.691	0.468	0.902
		0.173	24.50	24.30		0.769	20.20	20.20	Right Cheek	0.165	0.769	0.934	0.220	0.161	0.161	0.138	0.051	1.154	1.095	1.072	1.146
		0.087	24.50	24.30		0.139	20.20	20.20	Right Tilt	0.083	0.139	0.222	0.286	0.176	0.176	0.187	0.061	0.508	0.398	0.409	0.459
DC_7A+n66A	Ant.0	0.273	23.50	23.30	Ant.1	0.375	22.20	22.20	Left Cheek	0.261	0.375	0.636	0.411	0.359	0.359	0.272	0.243	1.047	0.995	0.908	1.238
		0.068	23.50	23.30		0.527	22.20	22.20	Left Tilt	0.065	0.527	0.592	0.329	0.483	0.483	0.260	0.211	0.921	1.075	0.852	1.286
		0.122	23.50	23.30		0.621	22.20	22.20	Right Cheek	0.117	0.621	0.738	0.220	0.161	0.161	0.138	0.051	0.958	0.899	0.876	0.950
		0.134	23.50	23.30		0.676	22.20	22.20	Right Tilt	0.128	0.676	0.804	0.286	0.176	0.176	0.187	0.061	1.090	0.980	0.991	1.041
DC_7A+n66A	Ant.0	0.273	23.50	23.30	Ant.4	0.379	20.20	20.20	Left Cheek	0.261	0.379	0.640	0.411	0.359	0.359	0.272	0.243	1.051	0.999	0.912	1.242
		0.068	23.50	23.30		0.111	20.20	20.20	Left Tilt	0.065	0.111	0.176	0.329	0.483	0.483	0.260	0.211	0.505	0.659	0.436	0.870
		0.122	23.50	23.30		0.769	20.20	20.20	Right Cheek	0.117	0.769	0.886	0.220	0.161	0.161	0.138	0.051	1.106	1.047	1.024	1.098
		0.134	23.50	23.30		0.139	20.20	20.20	Right Tilt	0.128	0.139	0.267	0.286	0.176	0.176	0.187	0.061	0.553	0.443	0.454	0.504
DC_26A+n41A	Ant.0	0.172	24.50	24.30	Ant.1	0.230	19.10	19.10	Left Cheek	0.164	0.230	0.394	0.411	0.359	0.359	0.272	0.243	0.805	0.753	0.666	0.996
		0.095	24.50	24.30		0.300	19.10	19.10	Left Tilt	0.091	0.300	0.391	0.329	0.483	0.483	0.260	0.211	0.720	0.874	0.651	1.085
		0.143	24.50	24.30		0.532	19.10	19.10	Right Cheek	0.137	0.532	0.669	0.220	0.161	0.161	0.138	0.051	0.889	0.830	0.807	0.881
		0.087	24.50	24.30		0.724	19.10	19.10	Right Tilt	0.083	0.724	0.807	0.286	0.176	0.176	0.187	0.061	1.093	0.983	0.994	1.044
DC_26A+n41A	Ant.0	0.172	24.50	24.30	Ant.4	0.565	19.20	19.20	Left Cheek	0.164	0.565	0.729	0.411	0.359	0.359	0.272	0.243	1.140	1.088	1.001	**1.331**
		0.095	24.50	24.30		0.173	19.20	19.20	Left Tilt	0.091	0.173	0.264	0.329	0.483	0.483	0.260	0.211	0.593	0.747	0.524	0.958
		0.143	24.50	24.30		0.728	19.20	19.20	Right Cheek	0.137	0.728	0.865	0.220	0.161	0.161	0.138	0.051	1.085	1.026	1.003	1.077
		0.087	24.50	24.30		0.239	19.20	19.20	Right Tilt	0.083	0.239	0.322	0.286	0.176	0.176	0.187	0.061	0.608	0.498	0.509	0.559

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.331 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.10 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR								SUM SAR			
		LTE SAR	LTE Max Power	LTE Max Power State3&5		NR SAR	NR Max Power	NR Max Power State3&5		LTE SAR State3&5	NR SAR State3&5	1 ENDC (LTE+NR) State3&5	2 2.4GWIFI Max. Level7	3 5GWIFI Max. Level7	4 5GWIFI Max. Level8	5 Bluetooth Max.	6 Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
DC_7A+n5A	Ant.1	0.052	17.30	17.10	Ant.0	0.042	24.20	24.20	Front Side 15mm	0.050	0.042	0.092	0.075	0.157	0.157	0.096	0.029	0.167	0.249	0.188	0.278
		0.285	17.30	17.10		0.065	24.20	24.20	Back Side 15mm	0.272	0.065	0.337	0.088	0.319	0.319	0.156	0.045	0.425	0.656	0.493	0.701
DC_7A+n5A	Ant.4	0.138	21.50	21.30	Ant.0	0.042	24.20	24.20	Front Side 15mm	0.132	0.042	0.174	0.075	0.157	0.157	0.096	0.029	0.249	0.331	0.270	0.360
		0.157	21.50	21.30		0.065	24.20	24.20	Back Side 15mm	0.150	0.065	0.215	0.088	0.319	0.319	0.156	0.045	0.303	0.534	0.371	0.579
DC_66A+n5A	Ant.1	0.114	23.60	22.40	Ant.0	0.042	24.20	24.20	Front Side 15mm	0.086	0.042	0.128	0.075	0.157	0.157	0.096	0.029	0.203	0.285	0.224	0.314
		0.215	23.60	22.40		0.065	24.20	24.20	Back Side 15mm	0.163	0.065	0.228	0.088	0.319	0.319	0.156	0.045	0.316	0.547	0.384	0.592
DC_66A+n5A	Ant.4	0.092	22.50	22.80	Ant.0	0.042	24.20	24.20	Front Side 15mm	0.099	0.042	0.141	0.075	0.157	0.157	0.096	0.029	0.216	0.298	0.237	0.327
		0.125	22.50	22.80		0.065	24.20	24.20	Back Side 15mm	0.134	0.065	0.199	0.088	0.319	0.319	0.156	0.045	0.287	0.518	0.355	0.563
DC_5A+n7A	Ant.0	0.165	24.50	24.30	Ant.1	0.043	18.20	18.20	Front Side 15mm	0.158	0.043	0.201	0.075	0.157	0.157	0.096	0.029	0.276	0.358	0.297	0.387
		0.178	24.50	24.30		0.223	18.20	18.20	Back Side 15mm	0.170	0.223	0.393	0.088	0.319	0.319	0.156	0.045	0.481	0.712	0.549	0.757
DC_5A+n7A	Ant.0	0.165	24.50	24.30	Ant.4	0.154	21.70	21.70	Front Side 15mm	0.158	0.154	0.312	0.075	0.157	0.157	0.096	0.029	0.387	0.469	0.408	0.498
		0.178	24.50	24.30		0.174	21.70	21.70	Back Side 15mm	0.170	0.174	0.344	0.088	0.319	0.319	0.156	0.045	0.432	0.663	0.500	0.708
DC_66A+n7A	Ant.0	0.171	22.00	21.80	Ant.1	0.043	18.20	18.20	Front Side 15mm	0.163	0.043	0.206	0.075	0.157	0.157	0.096	0.029	0.281	0.363	0.302	0.392
		0.221	22.00	21.80		0.223	18.20	18.20	Back Side 15mm	0.211	0.223	0.434	0.088	0.319	0.319	0.156	0.045	0.522	0.753	0.590	0.798
DC_66A+n7A	Ant.0	0.171	22.00	21.80	Ant.4	0.154	21.70	21.70	Front Side 15mm	0.163	0.154	0.317	0.075	0.157	0.157	0.096	0.029	0.392	0.474	0.413	0.503
		0.221	22.00	21.80		0.174	21.70	21.70	Back Side 15mm	0.211	0.174	0.385	0.088	0.319	0.319	0.156	0.045	0.473	0.704	0.541	0.749
DC_2A+n66A	Ant.0	0.148	20.70	20.50	Ant.1	0.148	23.70	23.70	Front Side 15mm	0.141	0.148	0.289	0.075	0.157	0.157	0.096	0.029	0.364	0.446	0.385	0.475
		0.225	20.70	20.50		0.263	23.70	23.70	Back Side 15mm	0.215	0.263	0.478	0.088	0.319	0.319	0.156	0.045	0.566	0.797	0.634	0.842

DC_2A+n66A	Ant.0	0.148	20.70	20.50	Ant.4	0.094	22.70	22.70	Front Side 15mm	0.141	0.094	0.235	0.075	0.157	0.157	0.096	0.029	0.310	0.392	0.331	0.421
		0.225	20.70	20.50		0.118	22.70	22.70	Back Side 15mm	0.215	0.118	0.333	0.088	0.319	0.319	0.156	0.045	0.421	0.652	0.489	0.697
DC_5A+n66A	Ant.0	0.165	24.50	24.30	Ant.1	0.148	23.70	23.70	Front Side 15mm	0.158	0.148	0.306	0.075	0.157	0.157	0.096	0.029	0.381	0.463	0.402	0.492
		0.178	24.50	24.30		0.263	23.70	23.70	Back Side 15mm	0.170	0.263	0.433	0.088	0.319	0.319	0.156	0.045	0.521	0.752	0.589	0.797
DC_5A+n66A	Ant.0	0.165	24.50	24.30	Ant.4	0.094	22.70	22.70	Front Side 15mm	0.158	0.094	0.252	0.075	0.157	0.157	0.096	0.029	0.327	0.409	0.348	0.438
		0.178	24.50	24.30		0.118	22.70	22.70	Back Side 15mm	0.170	0.118	0.288	0.088	0.319	0.319	0.156	0.045	0.376	0.607	0.444	0.652
DC_7A+n66A	Ant.0	0.182	20.40	20.20	Ant.1	0.148	23.70	23.70	Front Side 15mm	0.174	0.148	0.322	0.075	0.157	0.157	0.096	0.029	0.397	0.479	0.418	0.508
		0.207	20.40	20.20		0.263	23.70	23.70	Back Side 15mm	0.198	0.263	0.461	0.088	0.319	0.319	0.156	0.045	0.549	0.780	0.617	0.825
DC_7A+n66A	Ant.0	0.182	20.40	20.20	Ant.4	0.094	22.70	22.70	Front Side 15mm	0.174	0.094	0.268	0.075	0.157	0.157	0.096	0.029	0.343	0.425	0.364	0.454
		0.207	20.40	20.20		0.118	22.70	22.70	Back Side 15mm	0.198	0.118	0.316	0.088	0.319	0.319	0.156	0.045	0.404	0.635	0.472	0.680
DC_26A+n41A	Ant.0	0.144	24.50	24.30	Ant.1	0.118	17.50	17.50	Front Side 15mm	0.138	0.118	0.256	0.075	0.157	0.157	0.096	0.029	0.331	0.413	0.352	0.442
		0.145	24.50	24.30		0.448	17.50	17.50	Back Side 15mm	0.138	0.448	0.586	0.088	0.319	0.319	0.156	0.045	0.674	0.905	0.742	**0.950**
DC_26A+n41A	Ant.0	0.144	24.50	24.30	Ant.4	0.145	22.70	22.70	Front Side 15mm	0.138	0.145	0.283	0.075	0.157	0.157	0.096	0.029	0.358	0.440	0.379	0.469
		0.145	24.50	24.30		0.158	22.70	22.70	Back Side 15mm	0.138	0.158	0.296	0.088	0.319	0.319	0.156	0.045	0.384	0.615	0.452	0.660

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.950 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.11 Hotspot Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	4G		ENDC	NR Antenna	SA		ENDC	Position	Stand alone SAR								SUM SAR			
		LTE SAR	LTE Max Power	LTE Max Power State3&5		NR SAR	NR Max Power	NR Max Power State3&5		LTE SAR State3&5	NR SAR State3&5	1 ENDC (LTE+NR) State3&5	2 2.4GWIFI Max. Level7	3 5GWIFI Max. Level7	4 5GWIFI Max. Level8	5 Bluetooth Max.	6 Bluetooth Ant.9	1+2	1+3	1+5	1+4+6
DC_7A+n5A	Ant.1	0.093	17.30	17.10	Ant.0	0.086	24.20	24.20	Front Side 10mm	0.089	0.086	0.175	0.098	0.073	0.073	0.154	0.043	0.273	0.248	0.329	0.291
		0.699	17.30	17.10		0.133	24.20	24.20	Back Side 10mm	0.668	0.133	0.801	0.136	0.451	0.451	0.293	0.078	0.937	1.252	1.094	1.330
		0.000	17.30	17.10		0.042	24.20	24.20	Left Edge 10mm	0.000	0.042	0.042	0.255	0.348	0.348	0.398	0.031	0.297	0.390	0.440	0.421
		0.167	17.30	17.10		0.102	24.20	24.20	Right Edge 10mm	0.159	0.102	0.261	0.000	0.000	0.000	0.000	0.000	0.261	0.261	0.261	0.261
		0.377	17.30	17.10		0.000	24.20	24.20	Top Edge 10mm	0.360	0.000	0.360	0.139	0.336	0.336	0.315	0.065	0.499	0.696	0.675	0.761
		0.000	17.30	17.10		0.107	24.20	24.20	Bottom Edge 10mm	0.000	0.107	0.107	0.000	0.000	0.000	0.000	0.000	0.107	0.107	0.107	0.107
DC_7A+n5A	Ant.4	0.228	21.50	21.30	Ant.0	0.086	24.20	24.20	Front Side 10mm	0.218	0.086	0.304	0.098	0.073	0.073	0.154	0.043	0.402	0.377	0.458	0.420
		0.256	21.50	21.30		0.133	24.20	24.20	Back Side 10mm	0.244	0.133	0.377	0.136	0.451	0.451	0.293	0.078	0.513	0.828	0.670	0.906
		0.000	21.50	21.30		0.042	24.20	24.20	Left Edge 10mm	0.000	0.042	0.042	0.255	0.348	0.348	0.398	0.031	0.297	0.390	0.440	0.421
		0.380	21.50	21.30		0.102	24.20	24.20	Right Edge 10mm	0.363	0.102	0.465	0.000	0.000	0.000	0.000	0.000	0.465	0.465	0.465	0.465
		0.000	21.50	21.30		0.000	24.20	24.20	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.000	21.50	21.30		0.107	24.20	24.20	Bottom Edge 10mm	0.000	0.107	0.107	0.000	0.000	0.000	0.000	0.000	0.107	0.107	0.107	0.107
DC_66A+n5A	Ant.1	0.154	23.60	22.40	Ant.0	0.086	24.20	24.20	Front Side 10mm	0.117	0.086	0.203	0.098	0.073	0.073	0.154	0.043	0.301	0.276	0.357	0.319
		0.355	23.60	22.40		0.133	24.20	24.20	Back Side 10mm	0.269	0.133	0.402	0.136	0.451	0.451	0.293	0.078	0.538	0.853	0.695	0.931
		0.000	23.60	22.40		0.042	24.20	24.20	Left Edge 10mm	0.000	0.042	0.042	0.255	0.348	0.348	0.398	0.031	0.297	0.390	0.440	0.421
		0.098	23.60	22.40		0.102	24.20	24.20	Right Edge 10mm	0.074	0.102	0.176	0.000	0.000	0.000	0.000	0.000	0.176	0.176	0.176	0.176
		0.533	23.60	22.40		0.000	24.20	24.20	Top Edge 10mm	0.404	0.000	0.404	0.139	0.336	0.336	0.315	0.065	0.543	0.740	0.719	0.805
		0.000	23.60	22.40		0.107	24.20	24.20	Bottom Edge 10mm	0.000	0.107	0.107	0.000	0.000	0.000	0.000	0.000	0.107	0.107	0.107	0.107
DC_66A+n5A	Ant.4	0.166	22.50	22.80	Ant.0	0.086	24.20	24.20	Front Side 10mm	0.178	0.086	0.264	0.098	0.073	0.073	0.154	0.043	0.362	0.337	0.418	0.380
		0.216	22.50	22.80		0.133	24.20	24.20	Back Side 10mm	0.231	0.133	0.364	0.136	0.451	0.451	0.293	0.078	0.500	0.815	0.657	0.893
		0.000	22.50	22.80		0.042	24.20	24.20	Left Edge 10mm	0.000	0.042	0.042	0.255	0.348	0.348	0.398	0.031	0.297	0.390	0.440	0.421
		0.350	22.50	22.80		0.102	24.20	24.20	Right Edge 10mm	0.375	0.102	0.477	0.000	0.000	0.000	0.000	0.000	0.477	0.477	0.477	0.477
		0.000	22.50	22.80		0.000	24.20	24.20	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.000	22.50	22.80		0.107	24.20	24.20	Bottom Edge 10mm	0.000	0.107	0.107	0.000	0.000	0.000	0.000	0.000	0.107	0.107	0.107	0.107
DC_5A+n7A	Ant.0	0.161	24.50	24.30	Ant.1	0.078	18.20	18.20	Front Side 10mm	0.154	0.078	0.232	0.098	0.073	0.073	0.154	0.043	0.330	0.305	0.386	0.348
		0.255	24.50	24.30		0.567	18.20	18.20	Back Side 10mm	0.244	0.567	0.811	0.136	0.451	0.451	0.293	0.078	0.947	1.262	1.104	1.340
		0.000	24.50	24.30		0.000	18.20	18.20	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.154	24.50	24.30		0.149	18.20	18.20	Right Edge 10mm	0.147	0.149	0.296	0.000	0.000	0.000	0.000	0.000	0.296	0.296	0.296	0.296

		0.000	24.50	24.30		0.266	18.20	18.20	Top Edge 10mm	0.000	0.266	0.266	0.139	0.336	0.336	0.315	0.065	0.405	0.602	0.581	0.667
		0.121	24.50	24.30		0.000	18.20	18.20	Bottom Edge 10mm	0.116	0.000	0.116	0.000	0.000	0.000	0.000	0.000	0.116	0.116	0.116	0.116
DC_5A+n7A	Ant.0	0.161	24.50	24.30	Ant.4	0.199	21.70	21.70	Front Side 10mm	0.154	0.199	0.353	0.098	0.073	0.073	0.154	0.043	0.451	0.426	0.507	0.469
		0.255	24.50	24.30		0.377	21.70	21.70	Back Side 10mm	0.244	0.377	0.621	0.136	0.451	0.451	0.293	0.078	0.757	1.072	0.914	1.150
		0.000	24.50	24.30		0.000	21.70	21.70	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.154	24.50	24.30		0.357	21.70	21.70	Right Edge 10mm	0.147	0.357	0.504	0.000	0.000	0.000	0.000	0.000	0.504	0.504	0.504	0.504
		0.000	24.50	24.30		0.000	21.70	21.70	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.121	24.50	24.30		0.000	21.70	21.70	Bottom Edge 10mm	0.116	0.000	0.116	0.000	0.000	0.000	0.000	0.000	0.116	0.116	0.116	0.116
DC_66A+n7A	Ant.0	0.288	22.00	21.80	Ant.1	0.078	18.20	18.20	Front Side 10mm	0.275	0.078	0.353	0.098	0.073	0.073	0.154	0.043	0.451	0.426	0.507	0.469
		0.397	22.00	21.80		0.567	18.20	18.20	Back Side 10mm	0.379	0.567	0.946	0.136	0.451	0.451	0.293	0.078	1.082	1.397	1.239	1.475
		0.038	22.00	21.80		0.000	18.20	18.20	Left Edge 10mm	0.036	0.000	0.036	0.255	0.348	0.348	0.398	0.031	0.291	0.384	0.434	0.415
		0.109	22.00	21.80		0.149	18.20	18.20	Right Edge 10mm	0.104	0.149	0.253	0.000	0.000	0.000	0.000	0.000	0.253	0.253	0.253	0.253
		0.000	22.00	21.80		0.266	18.20	18.20	Top Edge 10mm	0.000	0.266	0.266	0.139	0.336	0.336	0.315	0.065	0.405	0.602	0.581	0.667
		0.653	22.00	21.80		0.000	18.20	18.20	Bottom Edge 10mm	0.624	0.000	0.624	0.000	0.000	0.000	0.000	0.000	0.624	0.624	0.624	0.624
DC_66A+n7A	Ant.0	0.288	22.00	21.80	Ant.4	0.199	21.70	21.70	Front Side 10mm	0.275	0.199	0.474	0.098	0.073	0.073	0.154	0.043	0.572	0.547	0.628	0.590
		0.397	22.00	21.80		0.377	21.70	21.70	Back Side 10mm	0.379	0.377	0.756	0.136	0.451	0.451	0.293	0.078	0.892	1.207	1.049	1.285
		0.038	22.00	21.80		0.000	21.70	21.70	Left Edge 10mm	0.036	0.000	0.036	0.255	0.348	0.348	0.398	0.031	0.291	0.384	0.434	0.415
		0.109	22.00	21.80		0.357	21.70	21.70	Right Edge 10mm	0.104	0.357	0.461	0.000	0.000	0.000	0.000	0.000	0.461	0.461	0.461	0.461
		0.000	22.00	21.80		0.000	21.70	21.70	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.653	22.00	21.80		0.000	21.70	21.70	Bottom Edge 10mm	0.624	0.000	0.624	0.000	0.000	0.000	0.000	0.000	0.624	0.624	0.624	0.624
DC_2A+n66A	Ant.0	0.269	20.70	20.50	Ant.1	0.208	23.70	23.70	Front Side 10mm	0.257	0.208	0.465	0.098	0.073	0.073	0.154	0.043	0.563	0.538	0.619	0.581
		0.392	20.70	20.50		0.494	23.70	23.70	Back Side 10mm	0.374	0.494	0.868	0.136	0.451	0.451	0.293	0.078	1.004	1.319	1.161	1.397
		0.000	20.70	20.50		0.000	23.70	23.70	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.075	20.70	20.50		0.116	23.70	23.70	Right Edge 10mm	0.072	0.116	0.188	0.000	0.000	0.000	0.000	0.000	0.188	0.188	0.188	0.188
		0.000	20.70	20.50		0.369	23.70	23.70	Top Edge 10mm	0.000	0.369	0.369	0.139	0.336	0.336	0.315	0.065	0.508	0.705	0.684	0.770
		0.701	20.70	20.50		0.000	23.70	23.70	Bottom Edge 10mm	0.669	0.000	0.669	0.000	0.000	0.000	0.000	0.000	0.669	0.669	0.669	0.669
DC_2A+n66A	Ant.0	0.269	20.70	20.50	Ant.4	0.245	22.70	22.70	Front Side 10mm	0.257	0.245	0.502	0.098	0.073	0.073	0.154	0.043	0.600	0.575	0.656	0.618
		0.392	20.70	20.50		0.335	22.70	22.70	Back Side 10mm	0.374	0.335	0.709	0.136	0.451	0.451	0.293	0.078	0.845	1.160	1.002	1.238
		0.000	20.70	20.50		0.000	22.70	22.70	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.075	20.70	20.50		0.494	22.70	22.70	Right Edge 10mm	0.072	0.494	0.566	0.000	0.000	0.000	0.000	0.000	0.566	0.566	0.566	0.566
		0.000	20.70	20.50		0.000	22.70	22.70	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.701	20.70	20.50		0.000	22.70	22.70	Bottom Edge 10mm	0.669	0.000	0.669	0.000	0.000	0.000	0.000	0.000	0.669	0.669	0.669	0.669

DC_5A+n66A	Ant.0	0.161	24.50	24.30	Ant.1	0.208	23.70	23.70	Front Side 10mm	0.154	0.208	0.362	0.098	0.073	0.073	0.154	0.043	0.460	0.435	0.516	0.478
		0.255	24.50	24.30		0.494	23.70	23.70	Back Side 10mm	0.244	0.494	0.738	0.136	0.451	0.451	0.293	0.078	0.874	1.189	1.031	1.267
		0.000	24.50	24.30		0.000	23.70	23.70	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.154	24.50	24.30		0.116	23.70	23.70	Right Edge 10mm	0.147	0.116	0.263	0.000	0.000	0.000	0.000	0.000	0.263	0.263	0.263	0.263
		0.000	24.50	24.30		0.369	23.70	23.70	Top Edge 10mm	0.000	0.369	0.369	0.139	0.336	0.336	0.315	0.065	0.508	0.705	0.684	0.770
		0.121	24.50	24.30		0.000	23.70	23.70	Bottom Edge 10mm	0.116	0.000	0.116	0.000	0.000	0.000	0.000	0.000	0.116	0.116	0.116	0.116
DC_5A+n66A	Ant.0	0.161	24.50	24.30	Ant.4	0.245	22.70	22.70	Front Side 10mm	0.154	0.245	0.399	0.098	0.073	0.073	0.154	0.043	0.497	0.472	0.553	0.515
		0.255	24.50	24.30		0.335	22.70	22.70	Back Side 10mm	0.244	0.335	0.579	0.136	0.451	0.451	0.293	0.078	0.715	1.030	0.872	1.108
		0.000	24.50	24.30		0.000	22.70	22.70	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.154	24.50	24.30		0.494	22.70	22.70	Right Edge 10mm	0.147	0.494	0.641	0.000	0.000	0.000	0.000	0.000	0.641	0.641	0.641	0.641
		0.000	24.50	24.30		0.000	22.70	22.70	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.121	24.50	24.30		0.000	22.70	22.70	Bottom Edge 10mm	0.116	0.000	0.116	0.000	0.000	0.000	0.000	0.000	0.116	0.116	0.116	0.116
DC_7A+n66A	Ant.0	0.295	20.40	20.20	Ant.1	0.208	23.70	23.70	Front Side 10mm	0.282	0.208	0.490	0.098	0.073	0.073	0.154	0.043	0.588	0.563	0.644	0.606
		0.335	20.40	20.20		0.494	23.70	23.70	Back Side 10mm	0.320	0.494	0.814	0.136	0.451	0.451	0.293	0.078	0.950	1.265	1.107	1.343
		0.063	20.40	20.20		0.000	23.70	23.70	Left Edge 10mm	0.060	0.000	0.060	0.255	0.348	0.348	0.398	0.031	0.315	0.408	0.458	0.439
		0.105	20.40	20.20		0.116	23.70	23.70	Right Edge 10mm	0.100	0.116	0.216	0.000	0.000	0.000	0.000	0.000	0.216	0.216	0.216	0.216
		0.000	20.40	20.20		0.369	23.70	23.70	Top Edge 10mm	0.000	0.369	0.369	0.139	0.336	0.336	0.315	0.065	0.508	0.705	0.684	0.770
		0.668	20.40	20.20		0.000	23.70	23.70	Bottom Edge 10mm	0.638	0.000	0.638	0.000	0.000	0.000	0.000	0.000	0.638	0.638	0.638	0.638
DC_7A+n66A	Ant.0	0.295	20.40	20.20	Ant.4	0.245	22.70	22.70	Front Side 10mm	0.282	0.245	0.527	0.098	0.073	0.073	0.154	0.043	0.625	0.600	0.681	0.643
		0.335	20.40	20.20		0.335	22.70	22.70	Back Side 10mm	0.320	0.335	0.655	0.136	0.451	0.451	0.293	0.078	0.791	1.106	0.948	1.184
		0.063	20.40	20.20		0.000	22.70	22.70	Left Edge 10mm	0.060	0.000	0.060	0.255	0.348	0.348	0.398	0.031	0.315	0.408	0.458	0.439
		0.105	20.40	20.20		0.494	22.70	22.70	Right Edge 10mm	0.100	0.494	0.594	0.000	0.000	0.000	0.000	0.000	0.594	0.594	0.594	0.594
		0.000	20.40	20.20		0.000	22.70	22.70	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.668	20.40	20.20		0.000	22.70	22.70	Bottom Edge 10mm	0.638	0.000	0.638	0.000	0.000	0.000	0.000	0.000	0.638	0.638	0.638	0.638
DC_26A+n41A	Ant.0	0.110	24.50	24.30	Ant.1	0.135	17.50	17.50	Front Side 10mm	0.105	0.135	0.240	0.098	0.073	0.073	0.154	0.043	0.338	0.313	0.394	0.356
		0.172	24.50	24.30		0.796	17.50	17.50	Back Side 10mm	0.164	0.796	0.960	0.136	0.451	0.451	0.293	0.078	1.096	1.411	1.253	**1.489**
		0.000	24.50	24.30		0.000	17.50	17.50	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379
		0.170	24.50	24.30		0.220	17.50	17.50	Right Edge 10mm	0.162	0.220	0.382	0.000	0.000	0.000	0.000	0.000	0.382	0.382	0.382	0.382
		0.000	24.50	24.30		0.519	17.50	17.50	Top Edge 10mm	0.000	0.519	0.519	0.139	0.336	0.336	0.315	0.065	0.658	0.855	0.834	0.920
		0.098	24.50	24.30		0.000	17.50	17.50	Bottom Edge 10mm	0.094	0.000	0.094	0.000	0.000	0.000	0.000	0.000	0.094	0.094	0.094	0.094
DC_26A+n41A	Ant.0	0.110	24.50	24.30	Ant.4	0.403	22.70	22.70	Front Side 10mm	0.105	0.403	0.508	0.098	0.073	0.073	0.154	0.043	0.606	0.581	0.662	0.624
		0.172	24.50	24.30		0.512	22.70	22.70	Back Side 10mm	0.164	0.512	0.676	0.136	0.451	0.451	0.293	0.078	0.812	1.127	0.969	1.205
		0.000	24.50	24.30		0.000	22.70	22.70	Left Edge 10mm	0.000	0.000	0.000	0.255	0.348	0.348	0.398	0.031	0.255	0.348	0.398	0.379

		0.170	24.50	24.30		0.632	22.70	22.70	Right Edge 10mm	0.162	0.632	0.794	0.000	0.000	0.000	0.000	0.000	0.794	0.794	0.794	0.794
		0.000	24.50	24.30		0.000	22.70	22.70	Top Edge 10mm	0.000	0.000	0.000	0.139	0.336	0.336	0.315	0.065	0.139	0.336	0.315	0.401
		0.098	24.50	24.30		0.000	22.70	22.70	Bottom Edge 10mm	0.094	0.000	0.094	0.000	0.000	0.000	0.000	0.000	0.094	0.094	0.094	0.094

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.489 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY6	16.0.0.116	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2021/07/05	2024/07/05
835MHz Validation Dipole	Speag	D835V2	SN: 4d277	2021/09/09	2024/09/09
1750MHz Validation Dipole	Speag	D1750V2	SN: 1183	2021/07/06	2024/07/06
1950MHz Validation Dipole	Speag	D1950V2	SN: 1240	2021/09/13	2024/09/13
2450MHz Validation Dipole	Speag	D2450V2	SN: 1062	2021/07/05	2024/07/05
2600MHz Validation Dipole	Speag	D2600V2	SN: 1184	2021/07/05	2024/07/05
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/18
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/04
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2024/01/03	2025/01/03
Signal Generator	R&S	SMB100A	182396	2023/09/05	2024/09/05
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2023/06/29	2024/06/29
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4	EF5238001628	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.05.18	Head	750	21.2	0.90	41.91	0.89	41.94	1.12	-0.07
2024.05.19	Head	750	21.3	0.89	42.12	0.89	41.94	0.00	0.43
2024.04.29	Head	835	21.1	0.89	41.94	0.90	41.50	-1.11	1.06
2024.04.30	Head	835	21.4	0.91	41.64	0.90	41.50	1.11	0.34
2024.05.01	Head	835	21.5	0.90	42.02	0.90	41.50	0.00	1.25
2024.05.02	Head	1750	21.4	1.38	40.02	1.37	40.08	0.73	-0.15
2024.05.03	Head	1750	21.1	1.38	39.93	1.37	40.08	0.73	-0.37
2024.05.21	Head	1950	21.0	1.42	39.57	1.40	40.00	1.43	-1.08
2024.05.20	Head	1950	21.3	1.41	39.91	1.40	40.00	0.71	-0.23
2024.05.04	Head	2450	21.2	1.80	39.16	1.80	39.20	0.00	-0.10
2024.05.05	Head	2450	21.4	1.81	39.10	1.80	39.20	0.56	-0.26
2024.05.09	Head	2600	21.3	1.99	38.93	1.96	39.01	1.53	-0.21
2024.05.10	Head	2600	21.6	1.96	39.14	1.96	39.01	0.00	0.33
2024.05.11	Head	2600	21.5	1.97	39.12	1.96	39.01	0.51	0.28
2024.05.12	Head	2600	21.3	1.96	38.74	1.96	39.01	0.00	-0.69
2024.05.13	Head	2600	21.4	1.98	38.94	1.96	39.01	1.02	-0.18
2024.05.14	Head	2600	21.6	1.96	39.14	1.96	39.01	0.00	0.33
2024.05.15	Head	2600	21.3	1.99	38.74	1.96	39.01	1.53	-0.69
2024.05.16	Head	2600	21.4	1.97	39.05	1.96	39.01	0.51	0.10
2024.05.17	Head	2600	21.2	1.98	39.21	1.96	39.01	1.02	0.51
2024.05.06	Head	5250	21.5	4.73	35.79	4.71	35.93	0.42	-0.39
2024.05.07	Head	5600	21.5	5.11	35.92	5.07	35.53	0.79	1.10
2024.05.08	Head	5750	21.3	5.19	35.64	5.22	35.36	-0.57	0.79
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within itsspecification of 10 %(for 1 g).

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.05.18	Head	750	100	0.86	8.61	8.51	1.18
2024.05.19	Head	750	100	0.86	8.57	8.51	0.71
2024.04.29	Head	835	100	0.96	9.64	9.72	-0.82
2024.04.30	Head	835	100	0.96	9.55	9.72	-1.75
2024.05.01	Head	835	100	0.97	9.71	9.72	-0.10
2024.05.02	Head	1750	100	3.64	36.40	36.50	-0.27
2024.05.03	Head	1750	100	3.70	37.00	36.50	1.37
2024.05.21	Head	1950	100	4.12	41.20	41.40	-0.48
2024.05.20	Head	1950	100	4.21	42.10	41.40	1.69
2024.05.04	Head	2450	100	5.43	54.30	54.20	0.18
2024.05.05	Head	2450	100	5.38	53.80	54.20	-0.74
2024.05.09	Head	2600	100	5.78	57.80	57.20	1.05
2024.05.10	Head	2600	100	5.81	58.10	57.20	1.57
2024.05.11	Head	2600	100	5.75	57.50	57.20	0.52
2024.05.12	Head	2600	100	5.68	56.80	57.20	-0.70
2024.05.13	Head	2600	100	5.77	57.70	57.20	0.87
2024.05.14	Head	2600	100	5.81	58.10	57.20	1.57
2024.05.15	Head	2600	100	5.75	57.50	57.20	0.52
2024.05.16	Head	2600	100	5.84	58.40	57.20	2.10
2024.05.17	Head	2600	100	5.71	57.10	57.20	-0.17
2024.05.06	Head	5250	100	7.91	79.10	77.80	1.67
2024.05.07	Head	5600	100	8.18	81.80	81.20	0.74
2024.05.08	Head	5750	100	8.09	80.90	77.20	4.79
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.05.21	Head	1950	100	2.11	21.10	21.40	-1.40
2024.05.20	Head	1950	100	2.16	21.60	21.40	0.93
2024.05.04	Head	2450	100	2.56	25.60	25.20	1.59
2024.05.05	Head	2450	100	2.48	24.80	25.20	-1.59
2024.05.09	Head	2600	100	2.55	25.50	25.50	0.00
2024.05.10	Head	2600	100	2.56	25.60	25.50	0.39
2024.05.11	Head	2600	100	2.49	24.90	25.50	-2.35
2024.05.12	Head	2600	100	2.48	24.80	25.50	-2.75
2024.05.13	Head	2600	100	2.49	24.90	25.50	-2.35
2024.05.14	Head	2600	100	2.54	25.40	25.50	-0.39
2024.05.15	Head	2600	100	2.51	25.10	25.50	-1.57
2024.05.16	Head	2600	100	2.58	25.80	25.50	1.18
2024.05.17	Head	2600	100	2.48	24.80	25.50	-2.75
2024.05.06	Head	5250	100	2.29	22.90	22.10	3.62
2024.05.07	Head	5600	100	2.35	23.50	23.10	1.73
2024.05.08	Head	5750	100	2.26	22.60	21.70	4.15
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.31	0.897	41.9	22.3	21.2

Hardware Setup

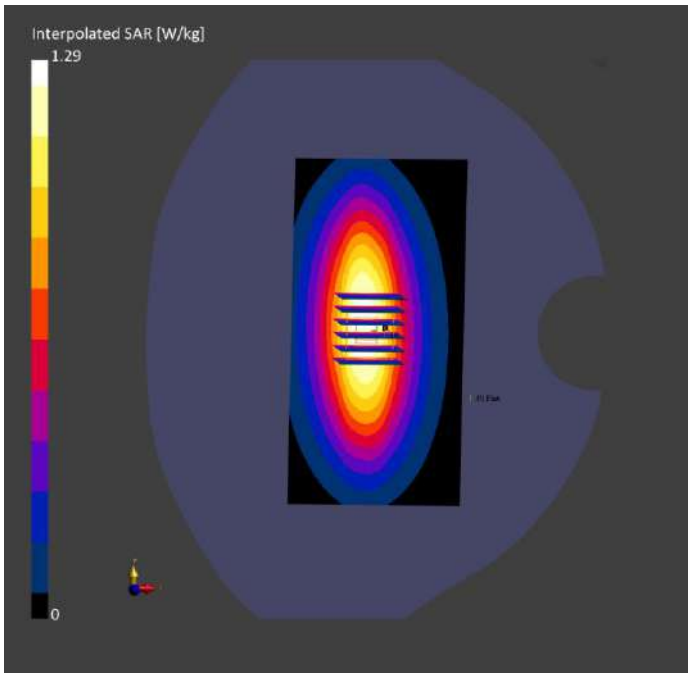
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.852	0.861
psSAR10g [W/kg]	0.560	0.564
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.5
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.29
0

System Performance Check Data (750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD700	CW, 0--	750.0, 100	10.31	0.894	42.1	22.4	21.3

Hardware Setup

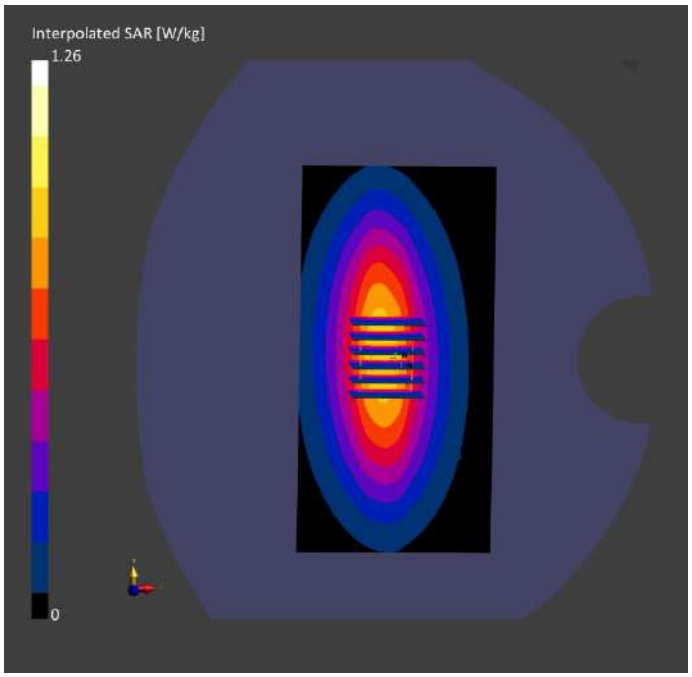
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.848	0.857
psSAR10g [W/kg]	0.551	0.561
Power Drift [dB]	-0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.5
Dist 3dB Peak [mm]		20.1


Interpolated SAR [W/kg]
1.26
0

System Performance Check Data (835MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.889	41.9	22.3	21.1

Hardware Setup

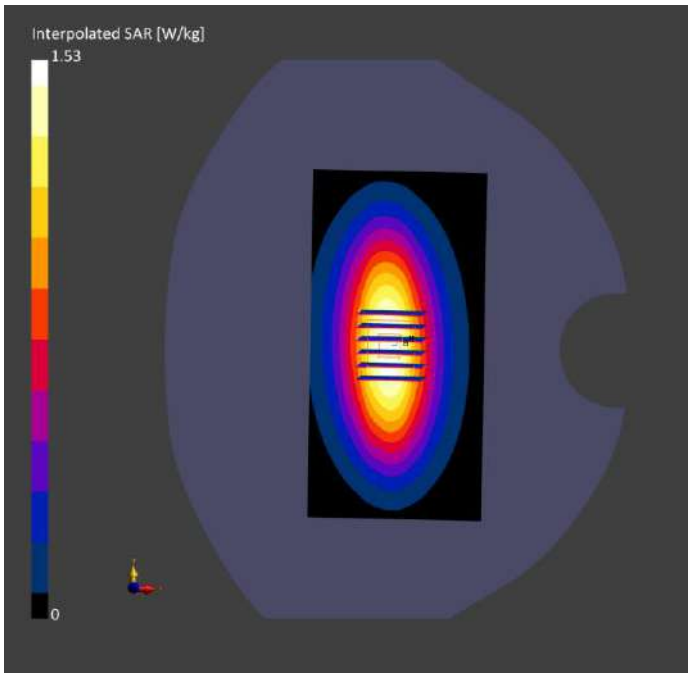
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.932	0.964
psSAR10g [W/kg]	0.621	0.631
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.2
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
1.53
0

System Performance Check Data (835MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.908	41.6	22.5	21.4

Hardware Setup

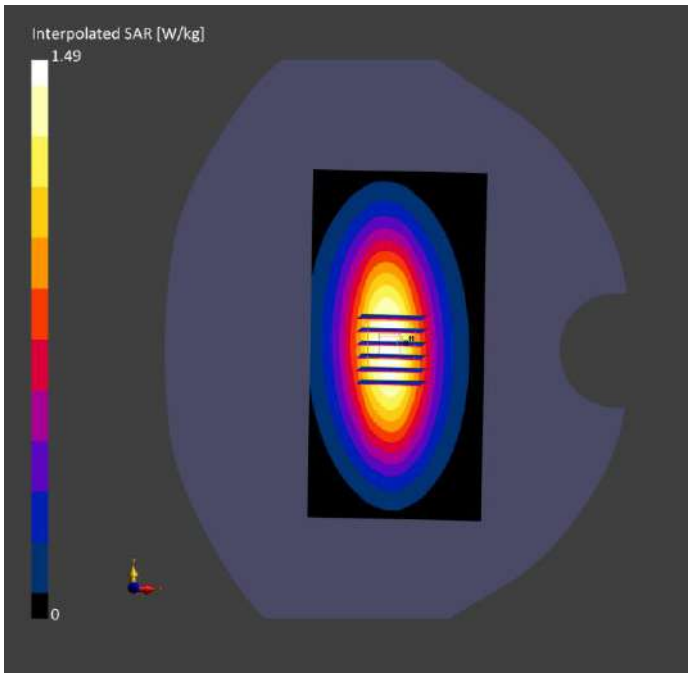
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.937	0.955
psSAR10g [W/kg]	0.613	0.620
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.1
Dist 3dB Peak [mm]		13.0


Interpolated SAR [W/kg]
1.49
0

System Performance Check Data (835MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD835V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD835	CW, 0--	835.0, 50	9.96	0.895	42.0	22.6	21.5

Hardware Setup

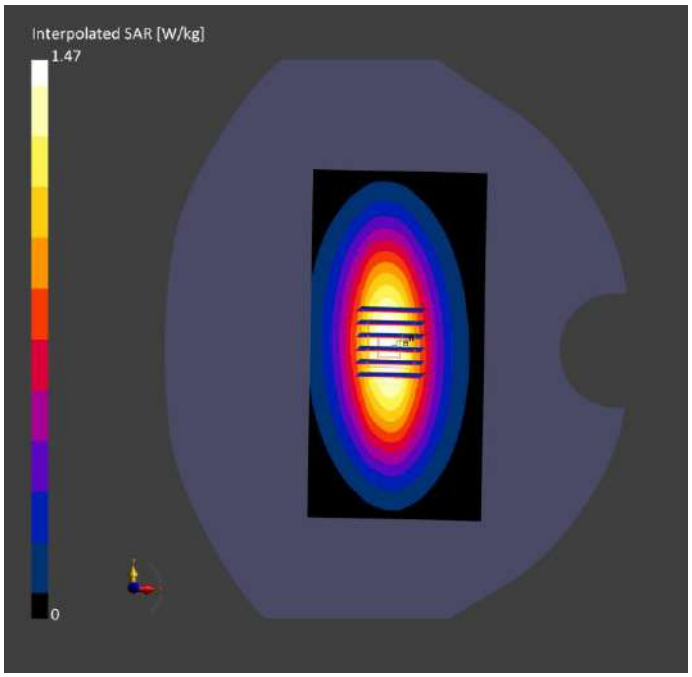
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-01	2024-05-01
psSAR1g [W/kg]	0.957	0.971
psSAR10g [W/kg]	0.616	0.638
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.3
Dist 3dB Peak [mm]		12.8


Interpolated SAR [W/kg]
1.47
0

System Performance Check Data (1750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.38	40.0	22.4	21.4

Hardware Setup

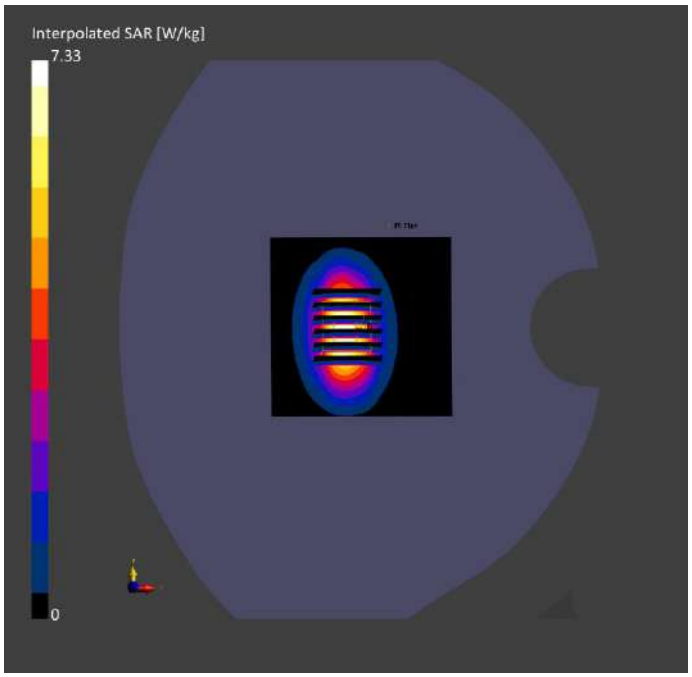
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	3.23	3.64
psSAR10g [W/kg]	1.91	1.93
Power Drift [dB]	-0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.1
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
7.33
0

System Performance Check Data (1750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1750V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1750	CW, 0--	1750.0, 50	8.52	1.38	39.9	22.3	21.1

Hardware Setup

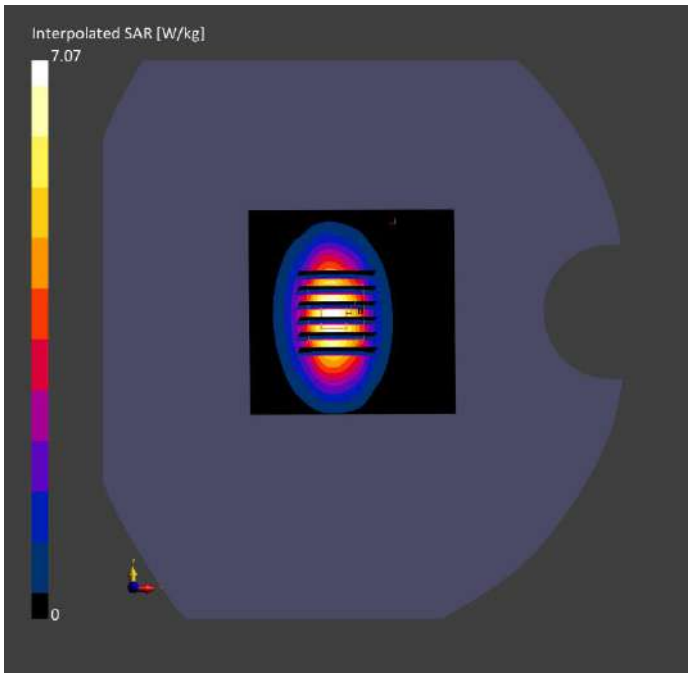
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	3.46	3.70
psSAR10g [W/kg]	1.89	1.95
Power Drift [dB]	-0.06	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		10.5


Interpolated SAR [W/kg]
7.07
0

System Performance Check Data (1950MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1950V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1950	CW, 0--	1950.0, 50	7.87	1.42	39.6	22.1	21.0

Hardware Setup

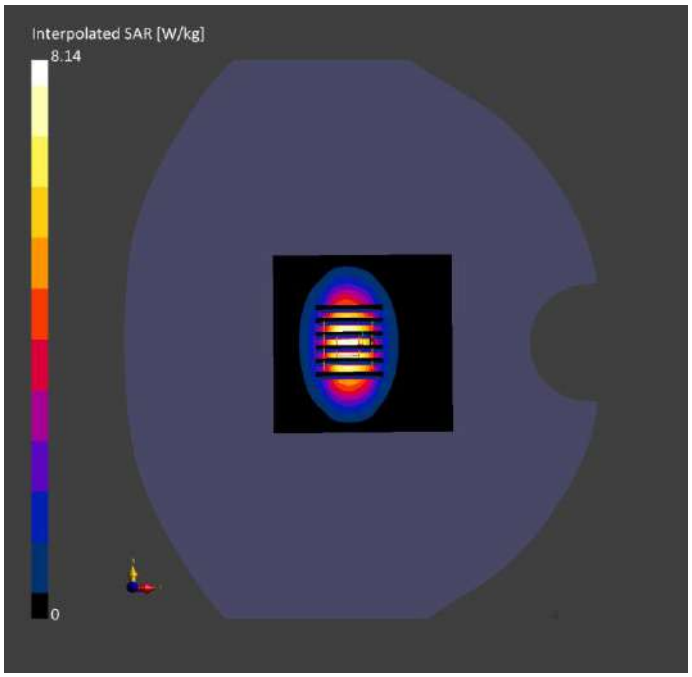
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	3.94	4.12
psSAR10g [W/kg]	1.98	2.11
Power Drift [dB]	-0.10	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
8.14
0

System Performance Check Data (1950MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D1950V2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D1950	CW, 0--	1950.0, 50	7.87	1.41	39.9	22.3	21.3

Hardware Setup

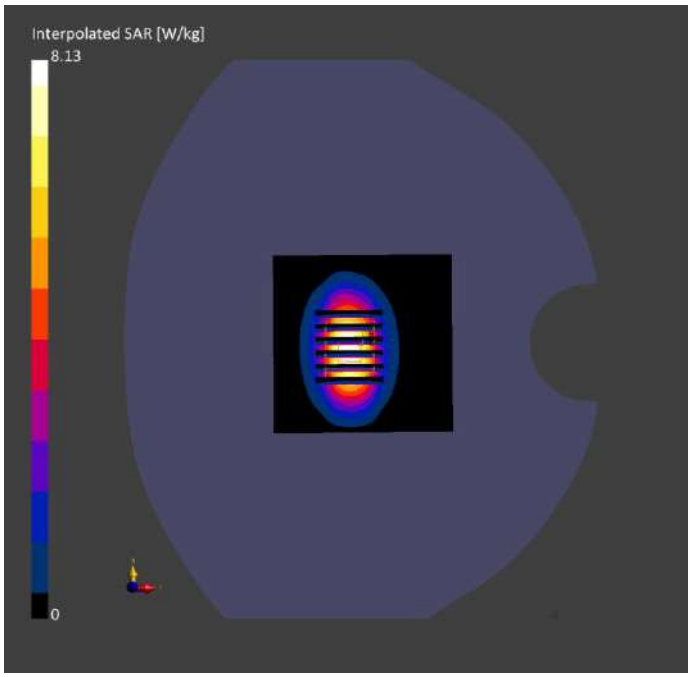
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-20	2024-05-20
psSAR1g [W/kg]	4.06	4.21
psSAR10g [W/kg]	2.10	2.16
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		9.6


Interpolated SAR [W/kg]
8.13
0

System Performance Check Data (2450MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D2450V2, SPEAG	40.0 x 8.0 x 8.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D2450	CW, 0--	2450.0, 50	7.47	1.80	39.2	22.4	21.2

Hardware Setup

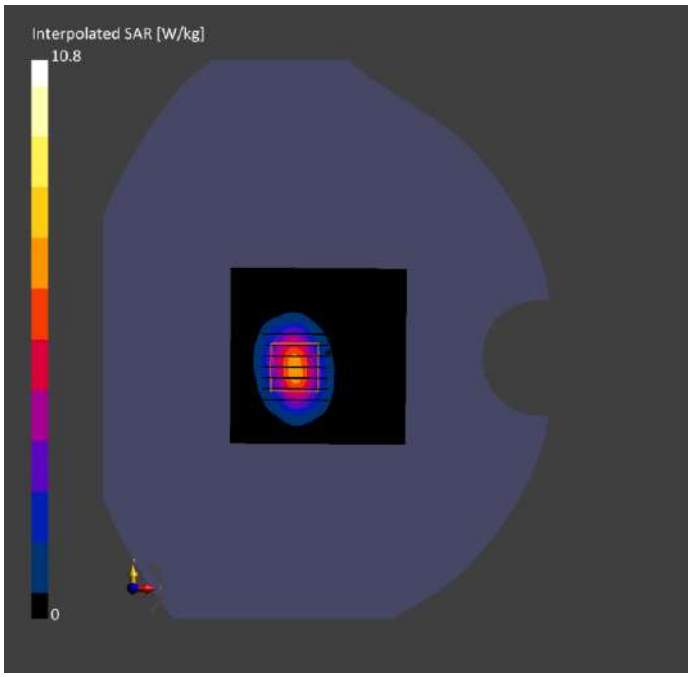
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-04	2024-05-04
psSAR1g [W/kg]	5.13	5.43
psSAR10g [W/kg]	2.23	2.56
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.2
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
10.8
0

System Performance Check Data (2450MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D2450V2, SPEAG	40.0 x 8.0 x 8.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D2450	CW, 0--	2450.0, 50	7.47	1.81	39.1	22.6	21.4

Hardware Setup

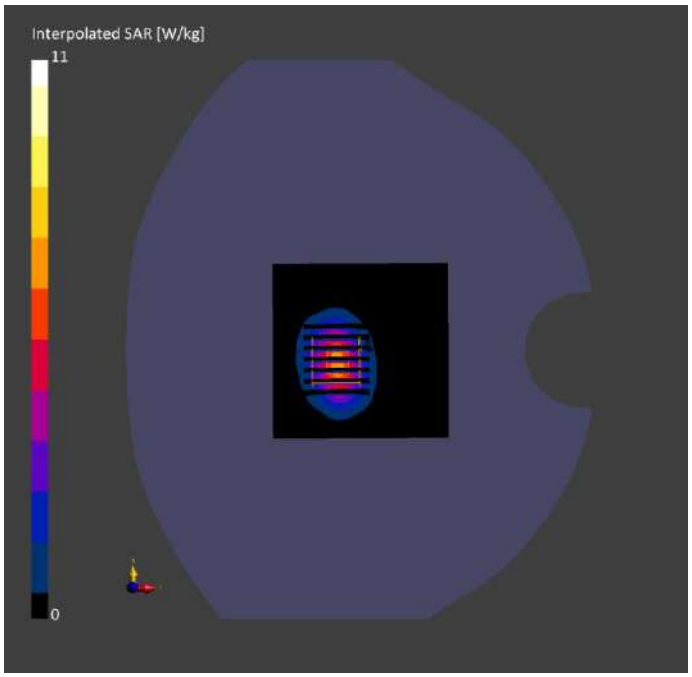
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-05	2024-05-05
psSAR1g [W/kg]	5.23	5.38
psSAR10g [W/kg]	2.22	2.48
Power Drift [dB]	-0.02	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.8
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
11
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.41	1.99	38.9	22.5	21.3

Hardware Setup

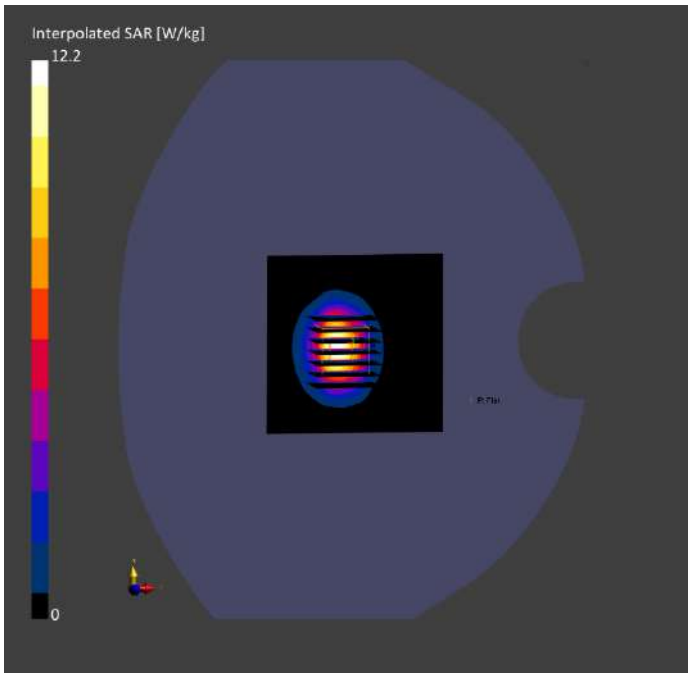
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-09	2024-05-09
psSAR1g [W/kg]	5.71	5.78
psSAR10g [W/kg]	2.46	2.55
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12.2
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.41	1.96	39.1	22.8	21.6

Hardware Setup

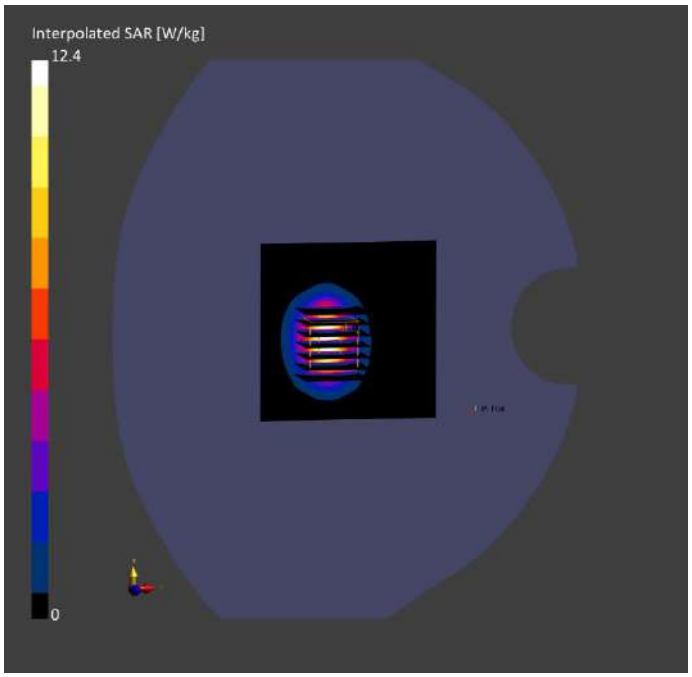
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-10	2024-05-10
psSAR1g [W/kg]	5.53	5.81
psSAR10g [W/kg]	2.40	2.56
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		8.4


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.41	1.97	39.1	22.7	21.5

Hardware Setup

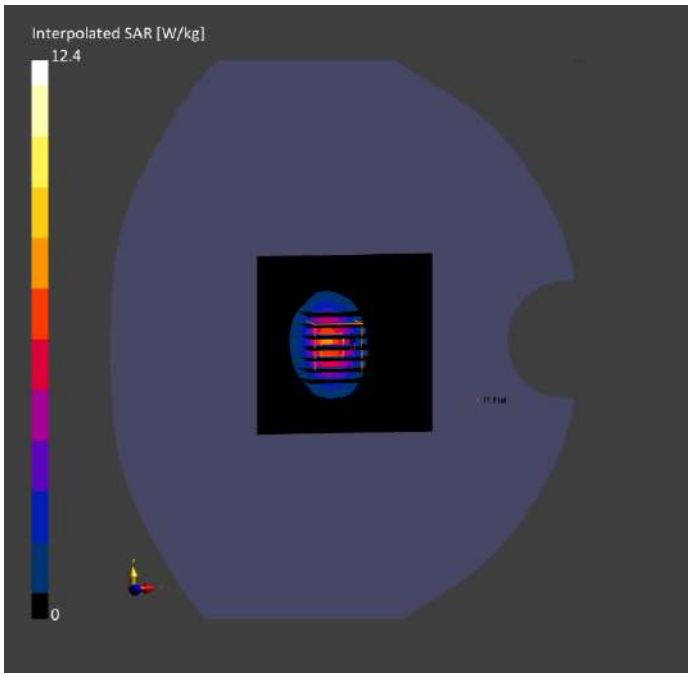
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-11	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-11	2024-05-11
psSAR1g [W/kg]	5.63	5.75
psSAR10g [W/kg]	2.35	2.49
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
12.4
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.41	1.96	38.7	22.4	21.3

Hardware Setup

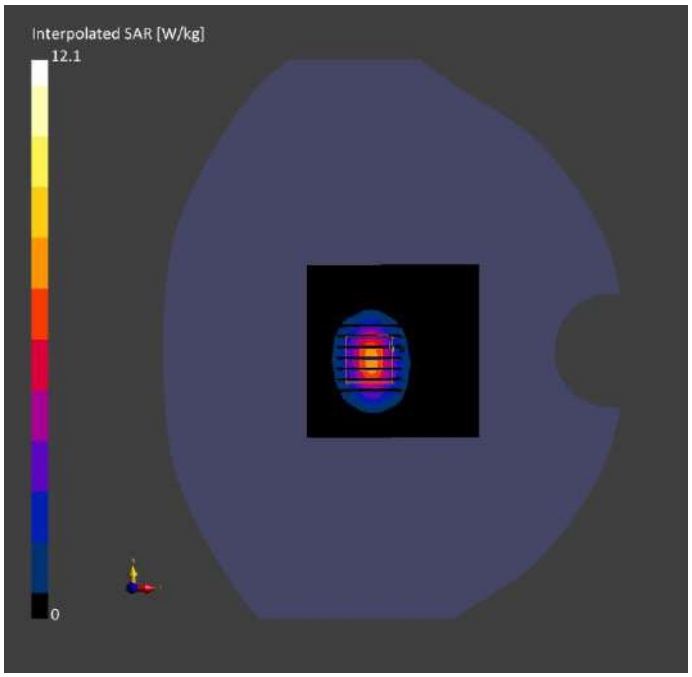
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	5.34	5.68
psSAR10g [W/kg]	2.28	2.48
Power Drift [dB]	0.12	-0.04
Power Scaling Scaling Factor [dB]	Disabled	Disabled
TSL Correction	No correction	No correction
M2/M1 [%]		80.5
Dist 3dB Peak [mm]		9.4


Interpolated SAR [W/kg]
12.1
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.98	38.9	22.5	21.4

Hardware Setup

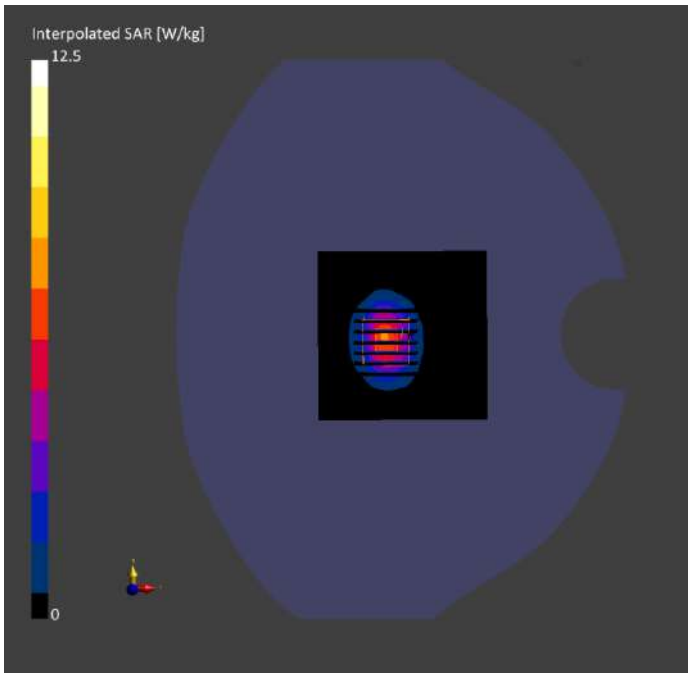
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	5.71	5.77
psSAR10g [W/kg]	2.40	2.49
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
12.5
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.96	39.1	22.7	21.6

Hardware Setup

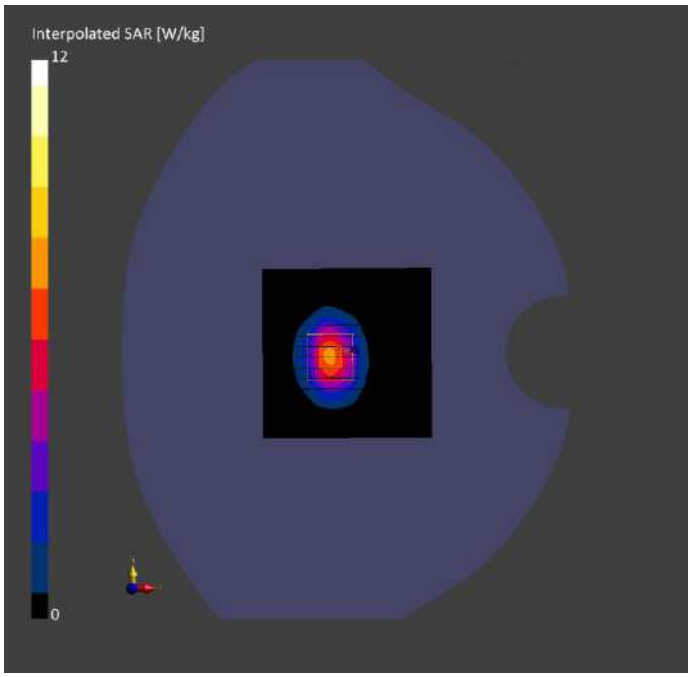
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-14	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-14	2024-05-14
psSAR1g [W/kg]	5.56	5.81
psSAR10g [W/kg]	2.36	2.54
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.1
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
12
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.99	38.7	22.4	21.3

Hardware Setup

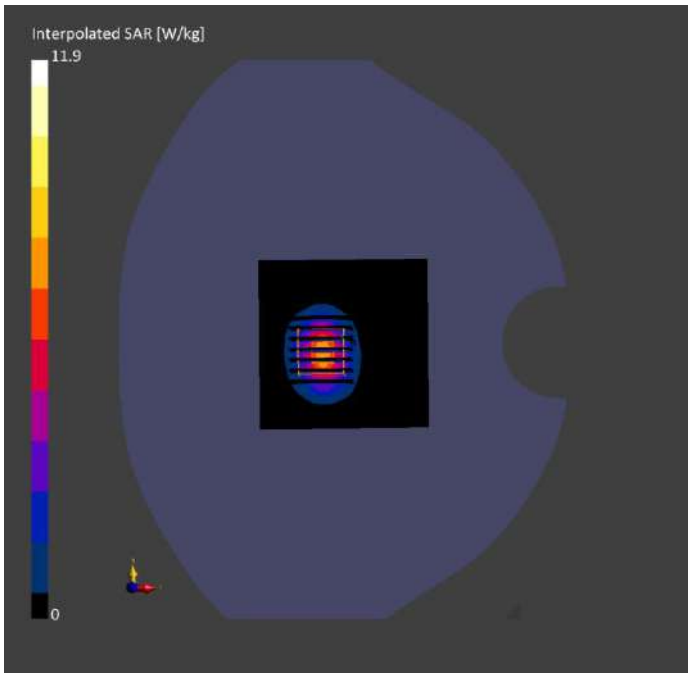
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	5.36	5.75
psSAR10g [W/kg]	2.43	2.51
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		8.9


Interpolated SAR [W/kg]
11.9
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600 V3	CW, 0--	2600.0, 50	7.41	1.97	39.1	22.5	21.4

Hardware Setup

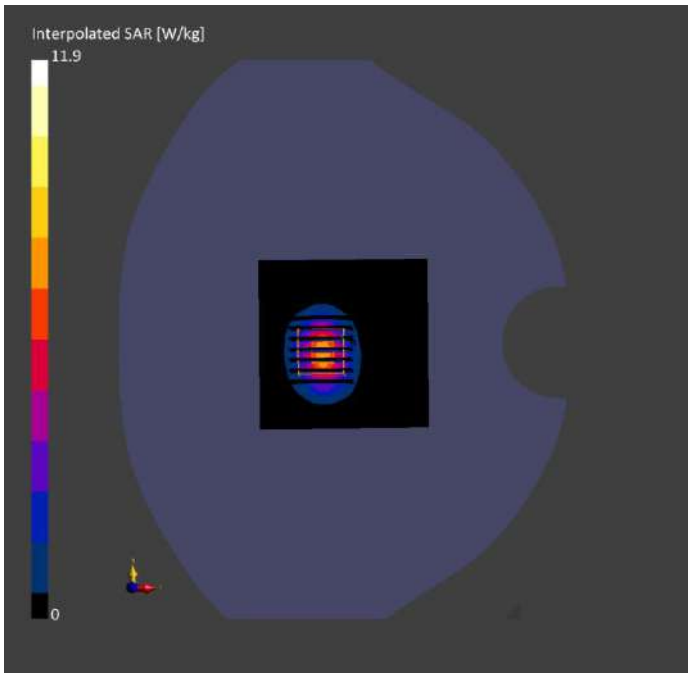
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-16	2024-05-16
psSAR1g [W/kg]	5.72	5.84
psSAR10g [W/kg]	2.48	2.58
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.4
Dist 3dB Peak [mm]		8.8


Interpolated SAR [W/kg]
11.9
0

System Performance Check Data (2600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
CD2600V3, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		CD2600V3	CW, 0--	2600.0, 50	7.41	1.98	39.2	22.4	21.2

Hardware Setup

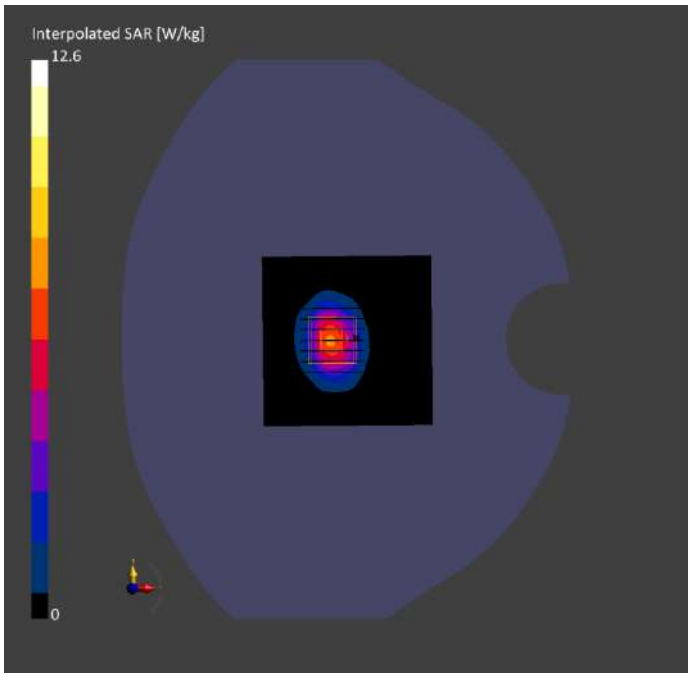
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-17	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-17	2024-05-17
psSAR1g [W/kg]	5.61	5.71
psSAR10g [W/kg]	2.35	2.48
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.6
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
12.6
0

System Performance Check Data (5250MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D5GHz	CW, 0--	5250.0, 25	5.41	4.73	35.8	22.7	21.5

Hardware Setup

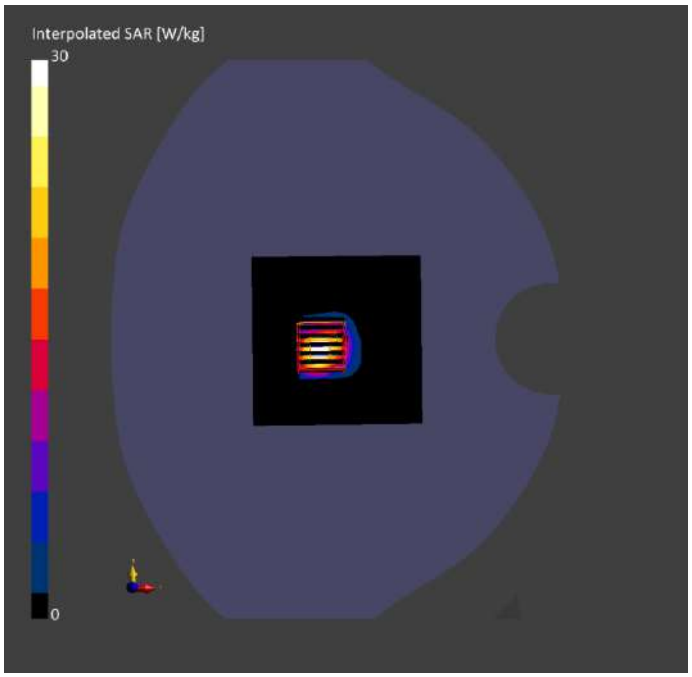
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-06	2024-05-06
psSAR1g [W/kg]	6.84	7.91
psSAR10g [W/kg]	2.16	2.29
Power Drift [dB]	-0.14	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		6.8


Interpolated SAR [W/kg]
30
0

System Performance Check Data (5600MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D5GHz	CW, 0--	5600.0, 60	4.58	5.11	35.9	22.6	21.5

Hardware Setup

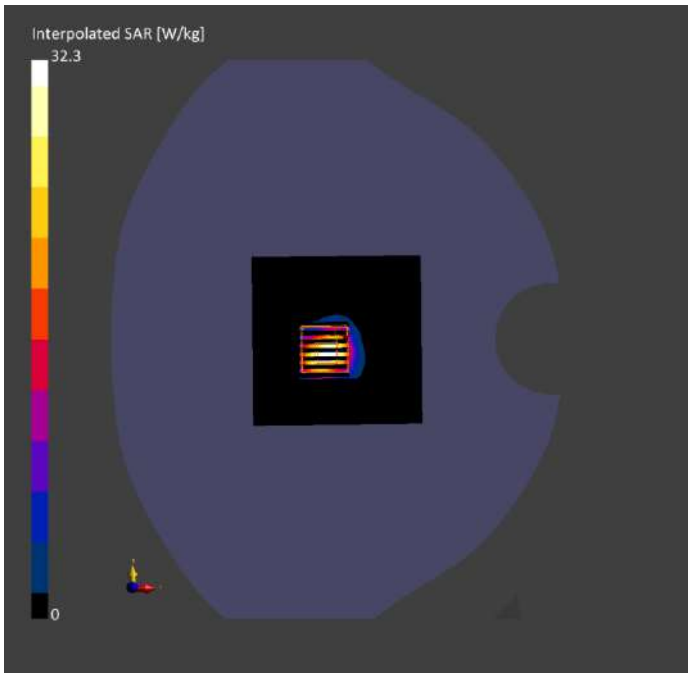
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-07	2024-05-07
psSAR1g [W/kg]	6.73	8.18
psSAR10g [W/kg]	2.15	2.35
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.2
Dist 3dB Peak [mm]		7.4


Interpolated SAR [W/kg]
32.3
0

System Performance Check Data (5750MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D5GHZV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL		D5GHz	CW, 0--	5750.0, 75	4.78	5.19	35.6	22.4	21.3

Hardware Setup

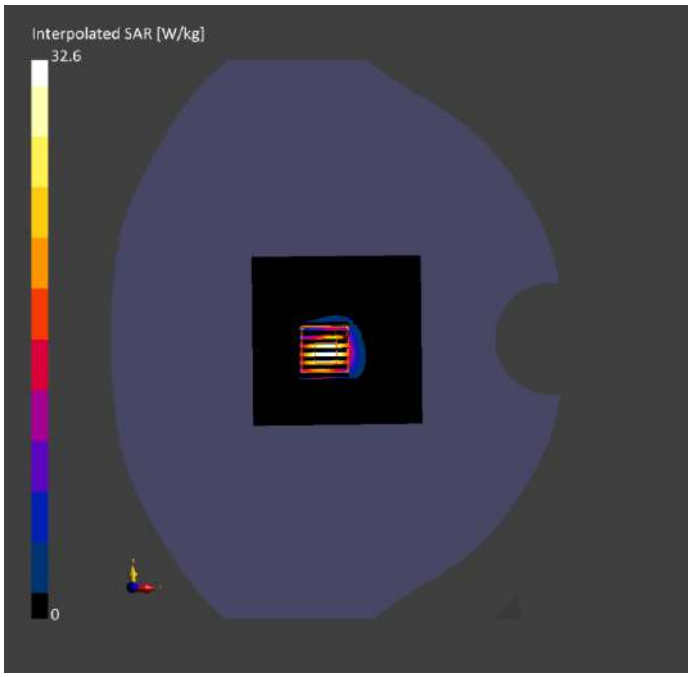
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-08	2024-05-08
psSAR1g [W/kg]	7.83	8.09
psSAR10g [W/kg]	2.11	2.26
Power Drift [dB]	-0.01	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		7.4


Interpolated SAR [W/kg]
32.6
0

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 2slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	GSM 850	GSM, 10024-DAC	836.6, 190	9.96	0.904	41.4	22.3	21.1

Hardware Setup

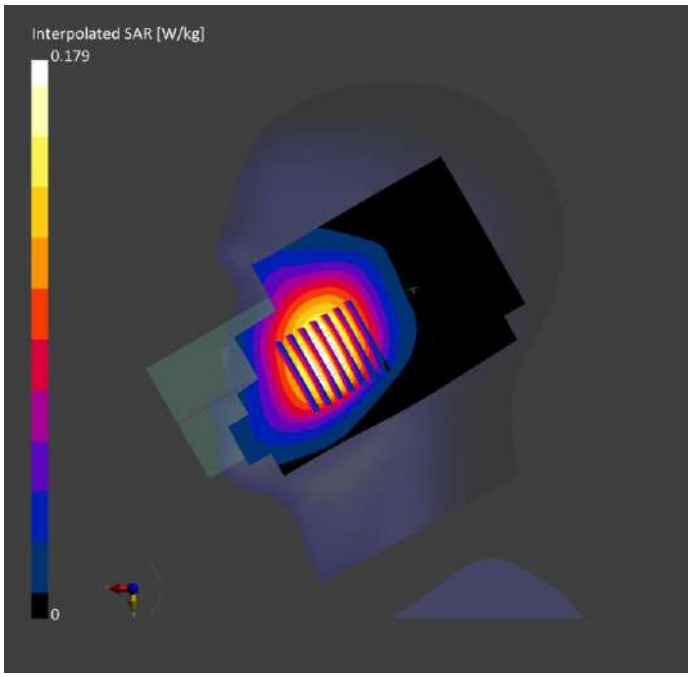
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.139	0.146
psSAR10g [W/kg]	0.095	0.115
Power Drift [dB]	-0.05	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		29.1


Interpolated SAR [W/kg]
0.179
0

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 2slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	GSM 850	GSM, 10024-DAC	836.6, 190	9.96	0.904	41.4	22.3	21.1

Hardware Setup

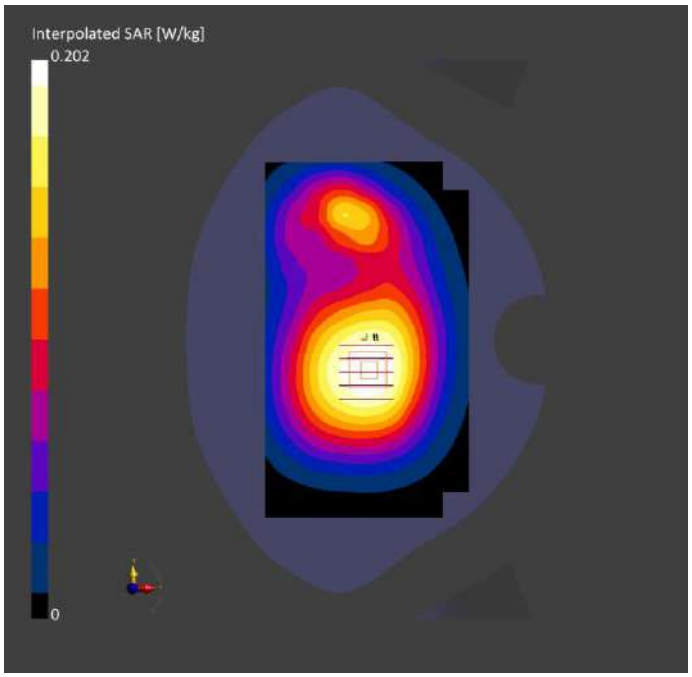
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.141	0.151
psSAR10g [W/kg]	0.10	0.115
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.0
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.202
0

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 2slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	GSM 850	GSM, 10024-DAC	836.6, 190	9.96	0.904	41.4	22.3	21.1

Hardware Setup

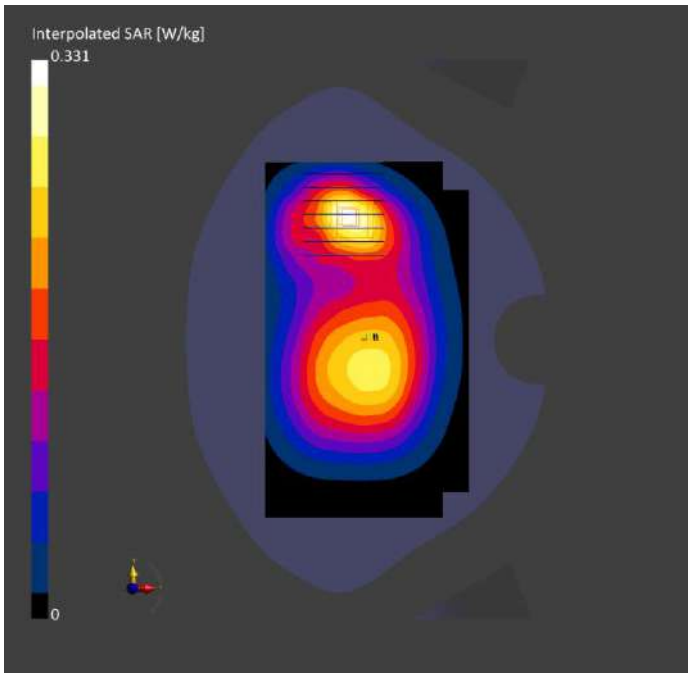
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.192	0.197
psSAR10g [W/kg]	0.124	0.120
Power Drift [dB]	-0.04	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		15.1


Interpolated SAR [W/kg]
0.331
0

Meas.4 Right Head with Cheek on High Channel in GPRS1900 2slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	PCS 1900	GSM, 10024-DAC	1909.8, 810	7.98	1.42	39.7	22.1	21.0

Hardware Setup

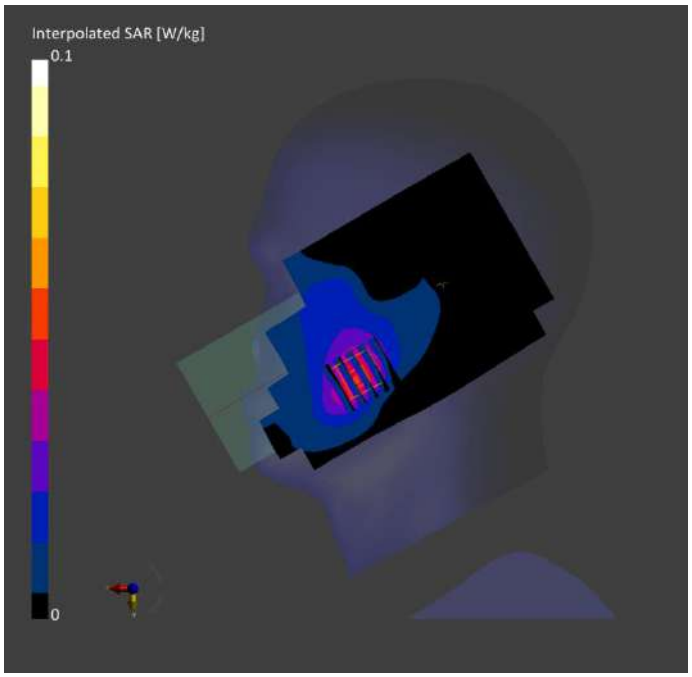
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.041	0.046
psSAR10g [W/kg]	0.024	0.030
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.5
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.1
0

Meas.5 Body Plane with Back Side 15mm on High Channel in GPRS1900 2slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	PCS 1900	GSM, 10024-DAC	1909.8, 810	7.98	1.42	39.7	22.1	21.0

Hardware Setup

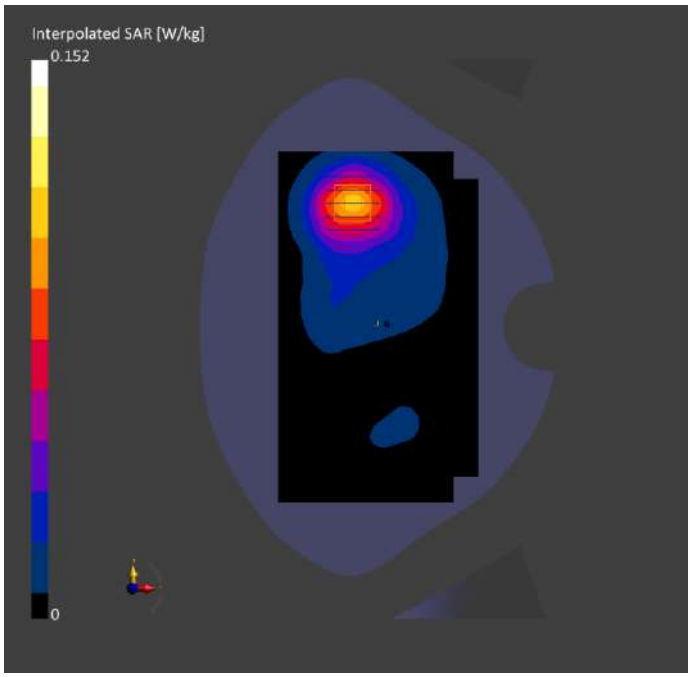
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.091	0.095
psSAR10g [W/kg]	0.052	0.059
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		16.5


Interpolated SAR [W/kg]
0.152
0

Meas.6 Body Plane with Bottom Edge 10mm on High Channel in GPRS1900 2slots mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	PCS 1900	GSM, 10024-DAC	1909.8, 810	7.98	1.42	39.7	22.1	21.0

Hardware Setup

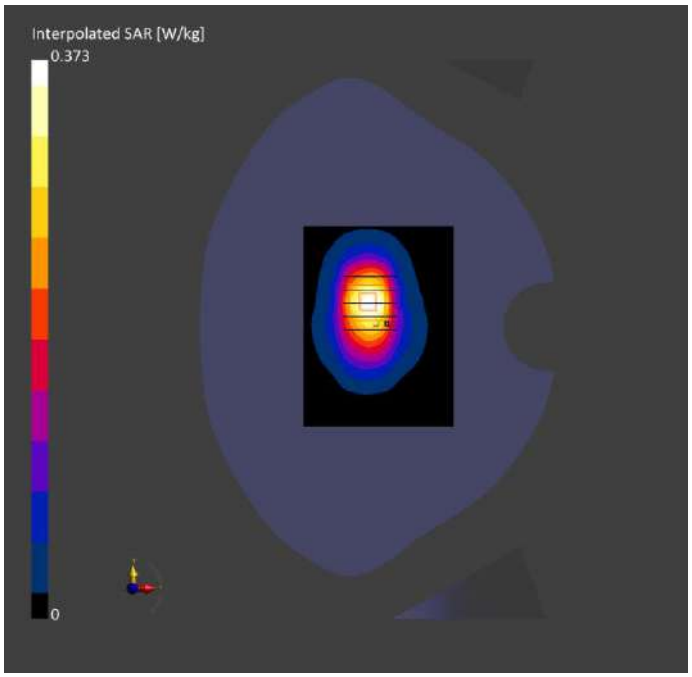
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.184	0.215
psSAR10g [W/kg]	0.104	0.119
Power Drift [dB]	0.00	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.6
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.373
0

Meas.7 Right Head with Tilt on Middle Channel in WCDMA Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	7.98	1.39	39.9	22.1	21.0

Hardware Setup

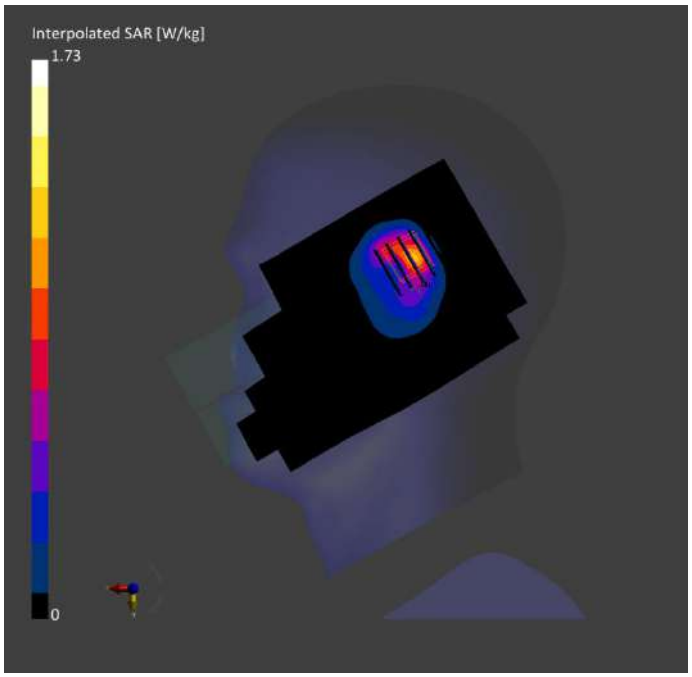
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.889	0.901
psSAR10g [W/kg]	0.452	0.441
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.6
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.73
0

Meas.8 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	WCDMA, 10011-CAC	1907.6, 9538	7.98	1.40	39.9	22.1	21.0

Hardware Setup

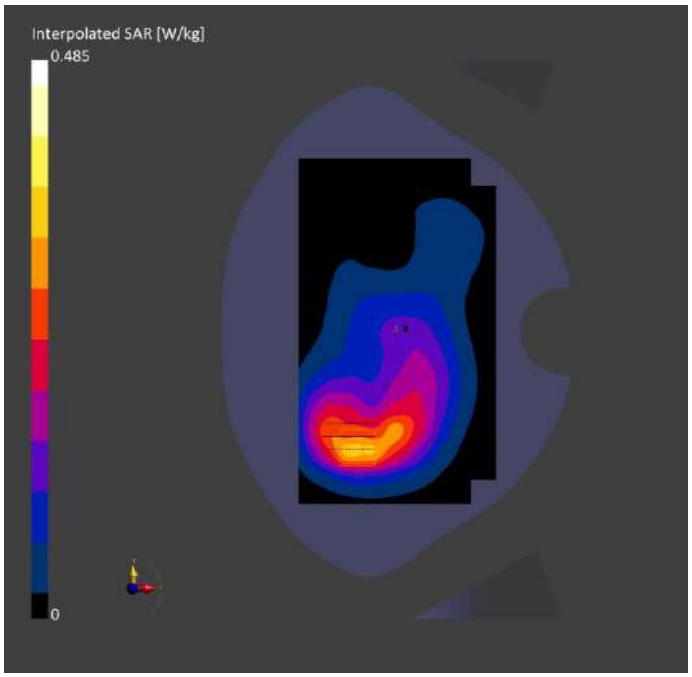
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.283	0.293
psSAR10g [W/kg]	0.166	0.176
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		12.9


Interpolated SAR [W/kg]
0.485
0

Meas.9 Body Plane with Back Side 10mm on High Channel in WCDMA Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 2	WCDMA, 10011-CAC	1907.6, 9538	7.98	1.40	39.9	22.1	21.0

Hardware Setup

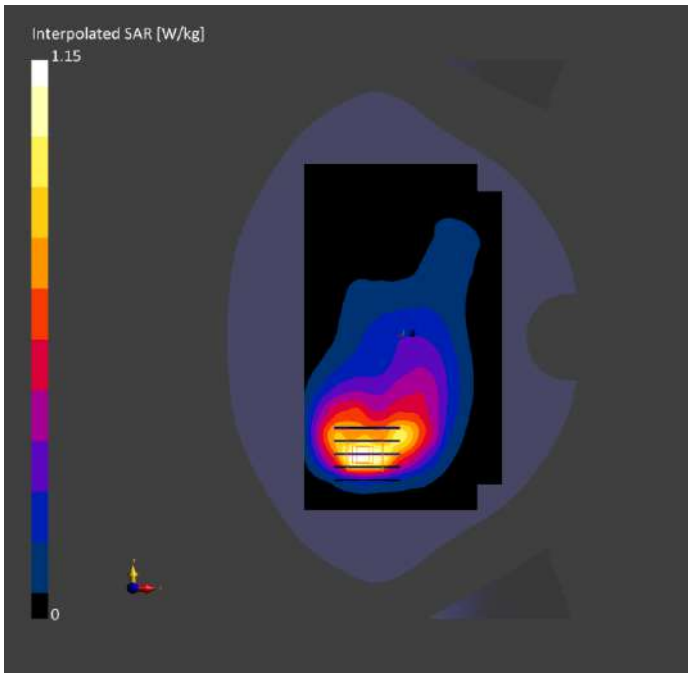
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-21	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21	2024-05-21
psSAR1g [W/kg]	0.620	0.652
psSAR10g [W/kg]	0.346	0.361
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		10.7


Interpolated SAR [W/kg]
1.15
0

Meas.10 Right Head with Tilt on High Channel in WCDMA Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.39	39.9	22.4	21.4

Hardware Setup

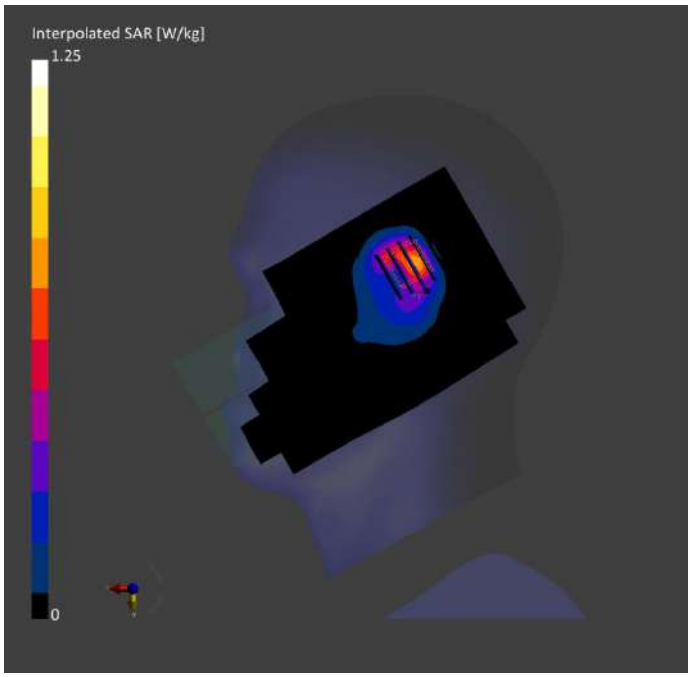
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	0.628	0.648
psSAR10g [W/kg]	0.325	0.322
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.25
0

Meas.11 Body Plane with Back Side 15mm on High Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.39	39.9	22.4	21.4

Hardware Setup

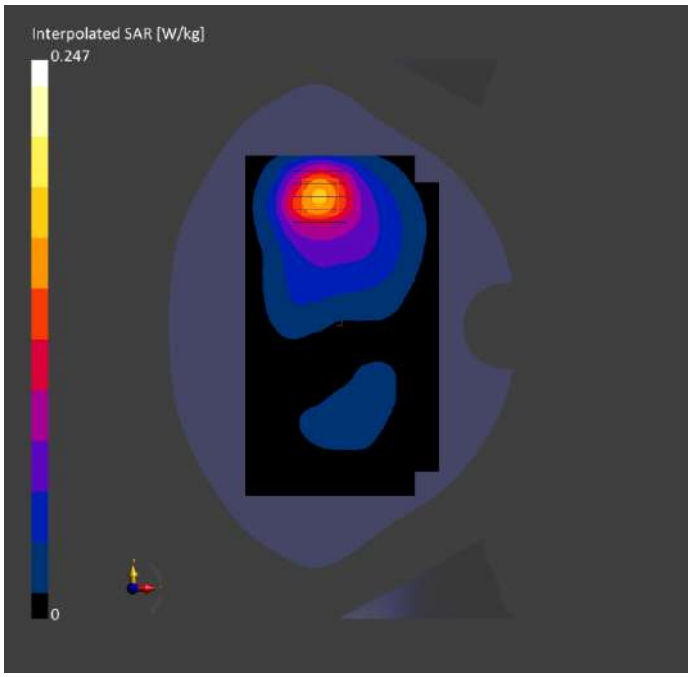
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	0.144	0.157
psSAR10g [W/kg]	0.087	0.096
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.2
Dist 3dB Peak [mm]		15.8


Interpolated SAR [W/kg]
0.247
0

Meas.12 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	WCDMA, 10011-CAC	1752.6, 1513	8.52	1.39	39.9	22.4	21.4

Hardware Setup

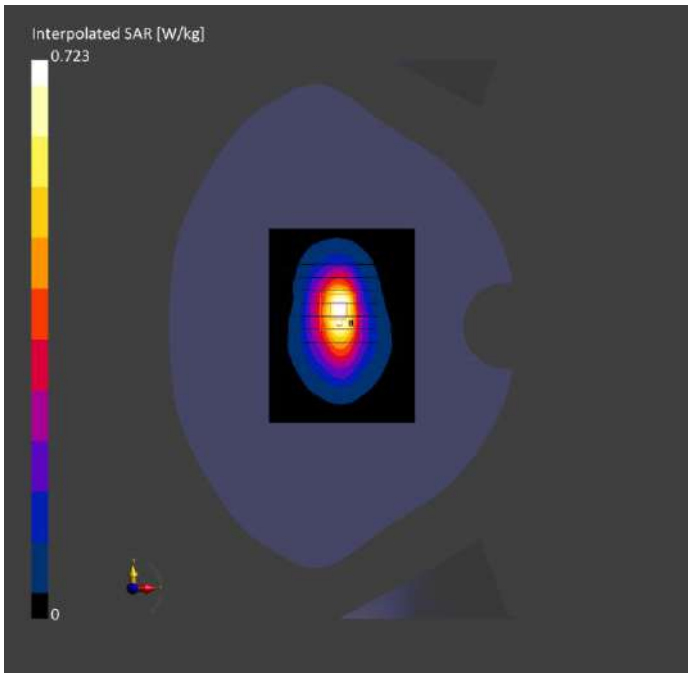
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	0.393	0.429
psSAR10g [W/kg]	0.216	0.236
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.9
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
0.723
0

Meas.13 Right Head with Cheek on High Channel in WCDMA Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 5	WCDMA, 10011-CAC	846.6, 4233	9.96	0.919	41.2	22.3	21.1

Hardware Setup

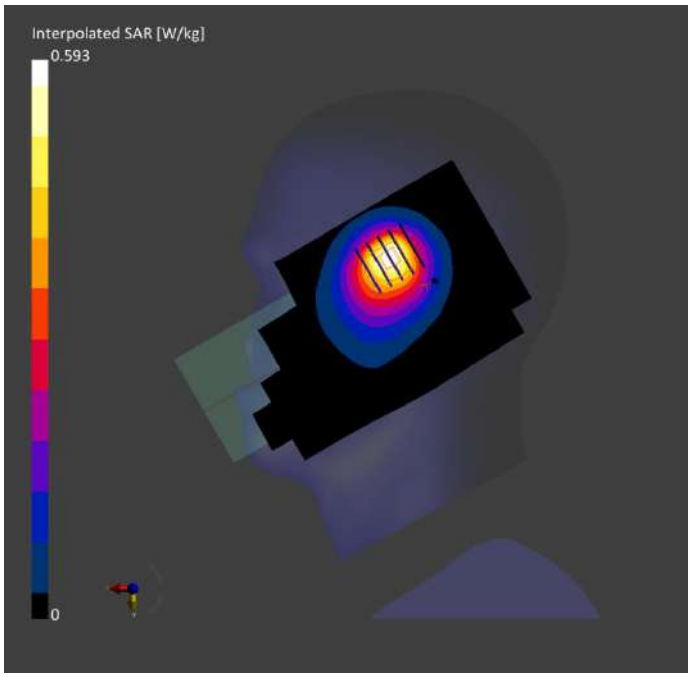
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.375	0.374
psSAR10g [W/kg]	0.241	0.237
Power Drift [dB]	-0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.5
Dist 3dB Peak [mm]		13.6


Interpolated SAR [W/kg]
0.593
0

Meas.14 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 5	WCDMA, 10011-CAC	846.6, 4233	9.96	0.919	41.2	22.3	21.1

Hardware Setup

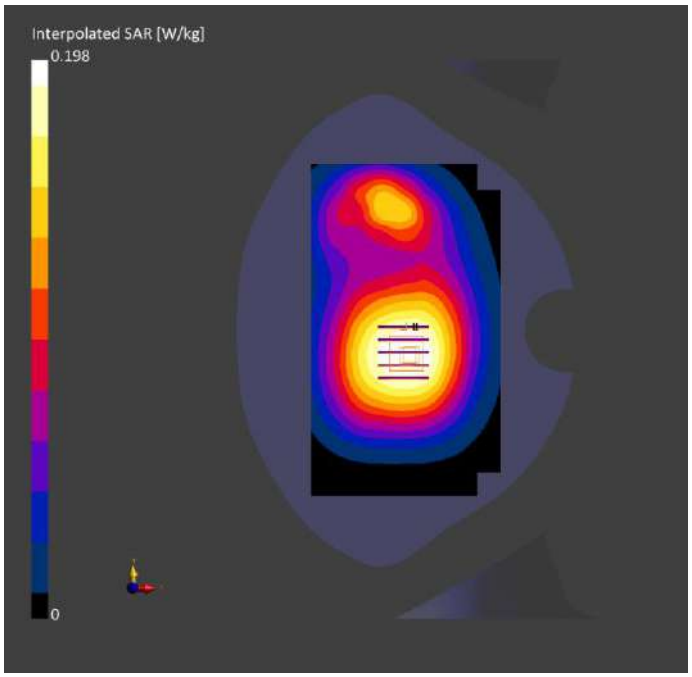
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.138	0.148
psSAR10g [W/kg]	0.098	0.112
Power Drift [dB]	0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		73.8
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.198
0

Meas.15 Body Plane with Back Side 10mm on High Channel in WCDMA Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 5	WCDMA, 10011-CAC	846.6, 4233	9.96	0.919	41.2	22.3	21.1

Hardware Setup

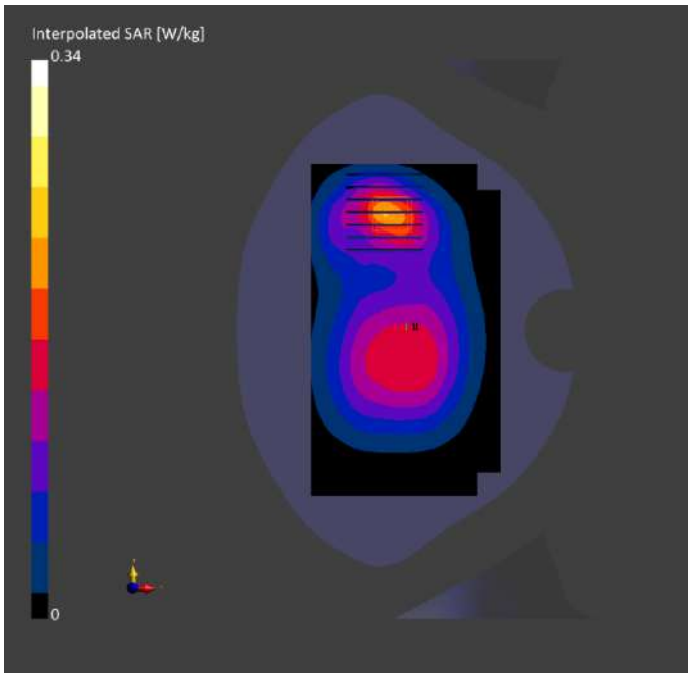
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-29	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-29	2024-04-29
psSAR1g [W/kg]	0.196	0.202
psSAR10g [W/kg]	0.126	0.123
Power Drift [dB]	0.02	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		13.6


Interpolated SAR [W/kg]
0.34
0

Meas.16 Right Head with Tilt on Middle Channel in LTE Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	7.98	1.39	40.5	22.3	21.3

Hardware Setup

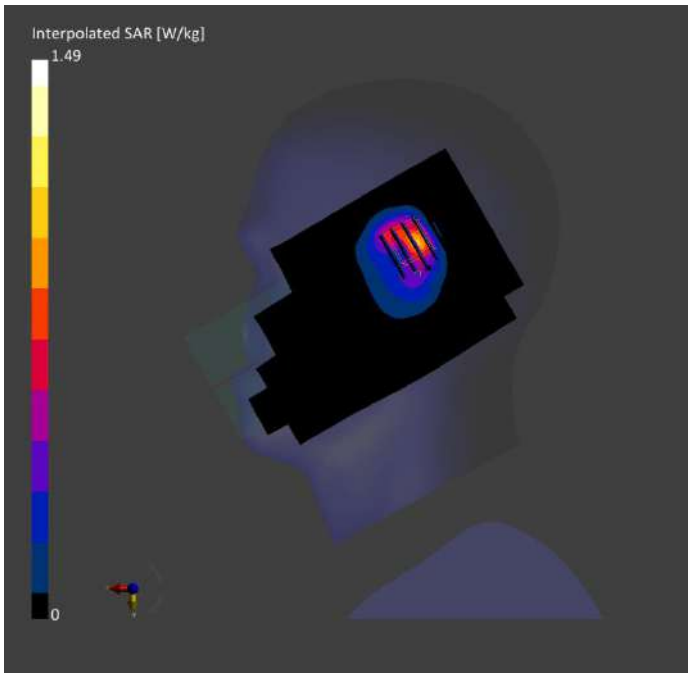
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-20	2024-05-20
psSAR1g [W/kg]	0.763	0.786
psSAR10g [W/kg]	0.391	0.387
Power Drift [dB]	0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
1.49
0

Meas.17 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	7.98	1.39	40.5	22.3	21.3

Hardware Setup

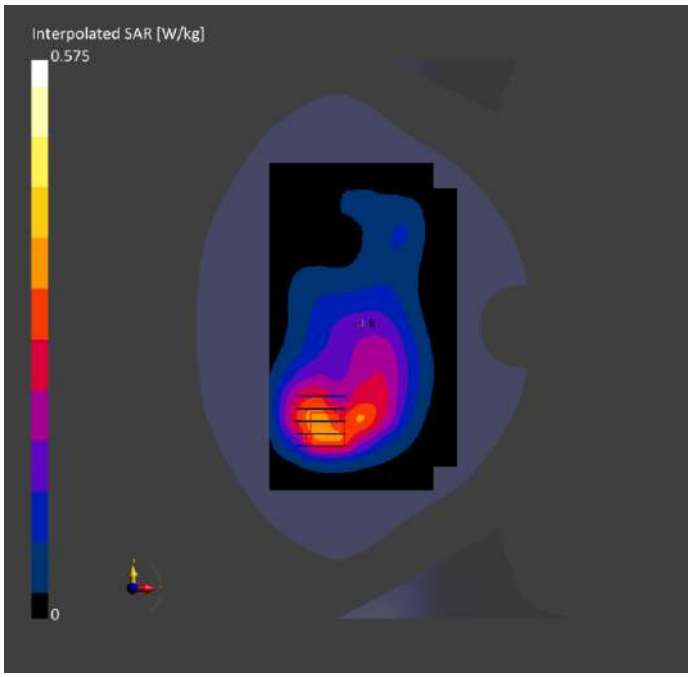
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-20	2024-05-20
psSAR1g [W/kg]	0.314	0.333
psSAR10g [W/kg]	0.189	0.197
Power Drift [dB]	-0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.9
Dist 3dB Peak [mm]		13.6


Interpolated SAR [W/kg]
0.575
0

Meas.18 Body Plane with Top Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 10.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	7.98	1.39	40.5	22.3	21.3

Hardware Setup

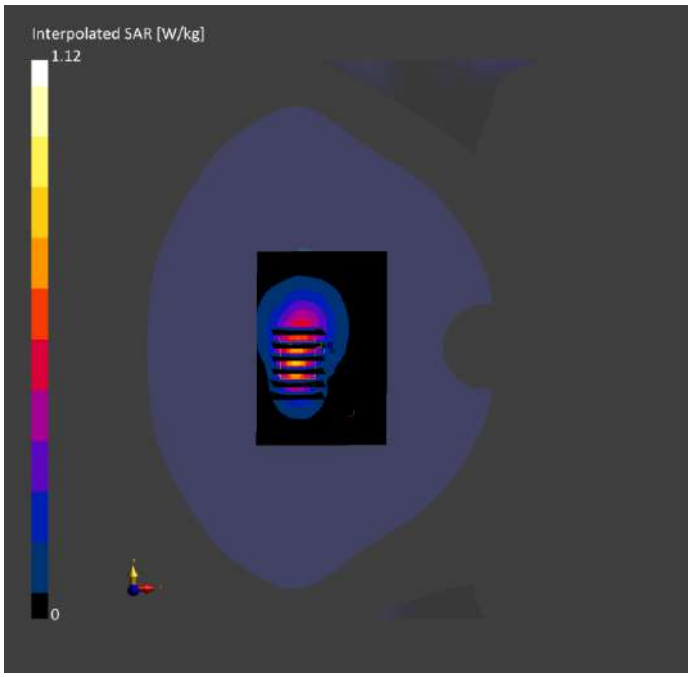
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	8.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-20	2024-05-20
psSAR1g [W/kg]	0.614	0.630
psSAR10g [W/kg]	0.326	0.340
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.8
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
1.12
0

Meas.19 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band2 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 0.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	7.98	1.39	40.5	22.3	21.3

Hardware Setup

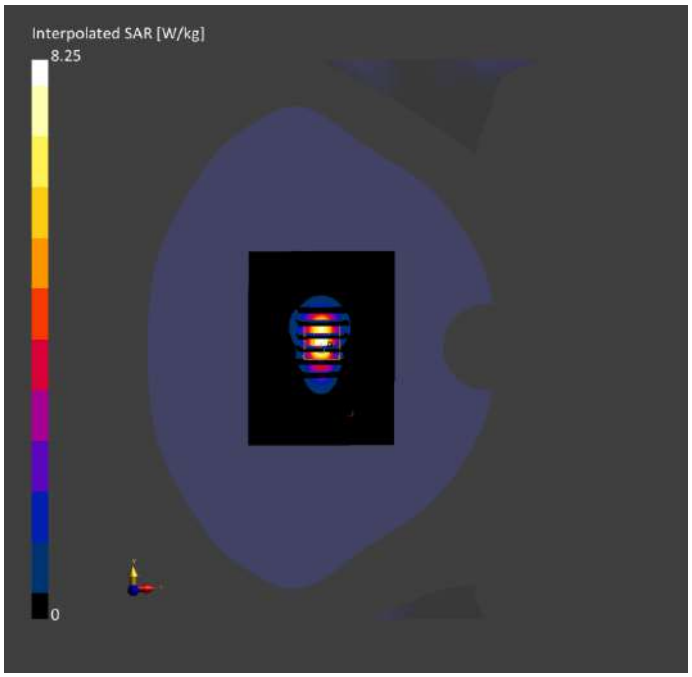
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-20	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-20	2024-05-20
psSAR1g [W/kg]	3.47	3.72
psSAR10g [W/kg]	1.63	1.59
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.2
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
8.25
0

Meas.20 Right Head with Tilt on Middle Channel in LTE Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.35	40.5	22.4	21.4

Hardware Setup

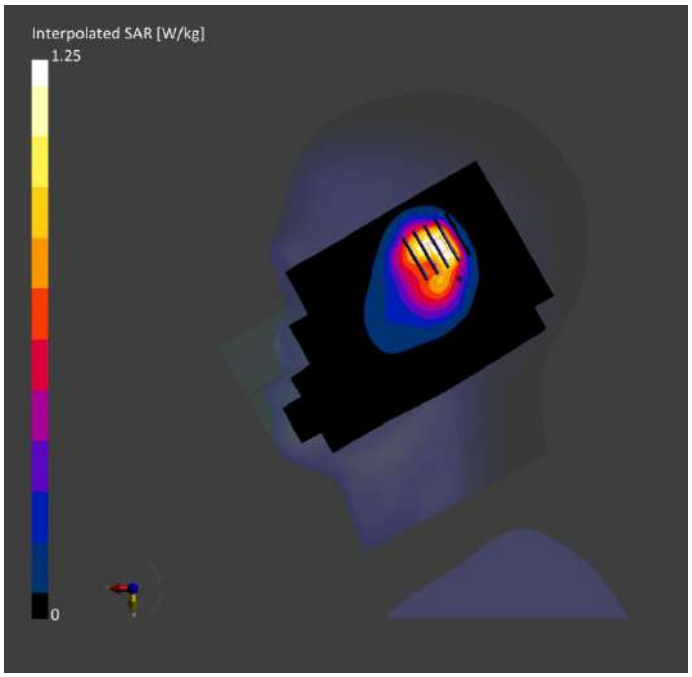
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	0.522	0.658
psSAR10g [W/kg]	0.298	0.334
Power Drift [dB]	0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
1.25
0

Meas.21 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.35	40.5	22.4	21.4

Hardware Setup

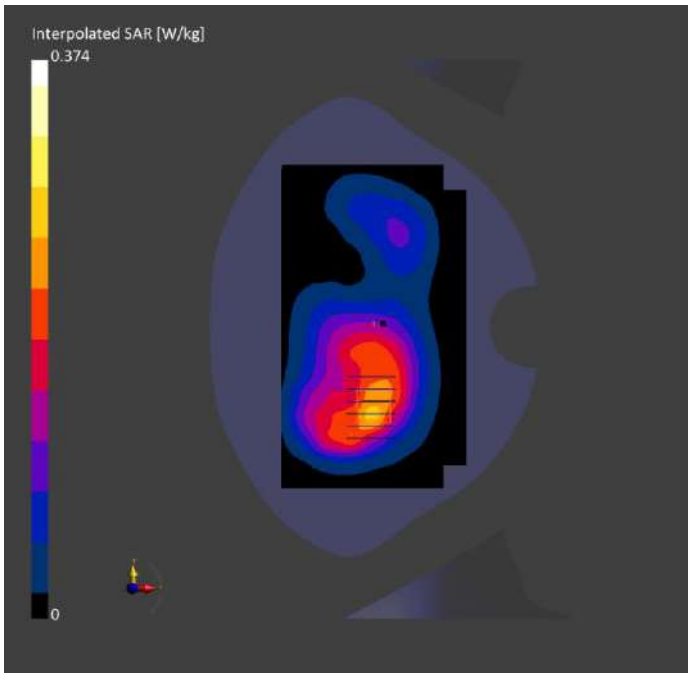
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	0.221	0.235
psSAR10g [W/kg]	0.133	0.146
Power Drift [dB]	0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.7
Dist 3dB Peak [mm]		15.8


Interpolated SAR [W/kg]
0.374
0

Meas.22 Body Plane with Bottom 10mm on Middle Channel in LTE Band4 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.52	1.35	40.5	22.4	21.4

Hardware Setup

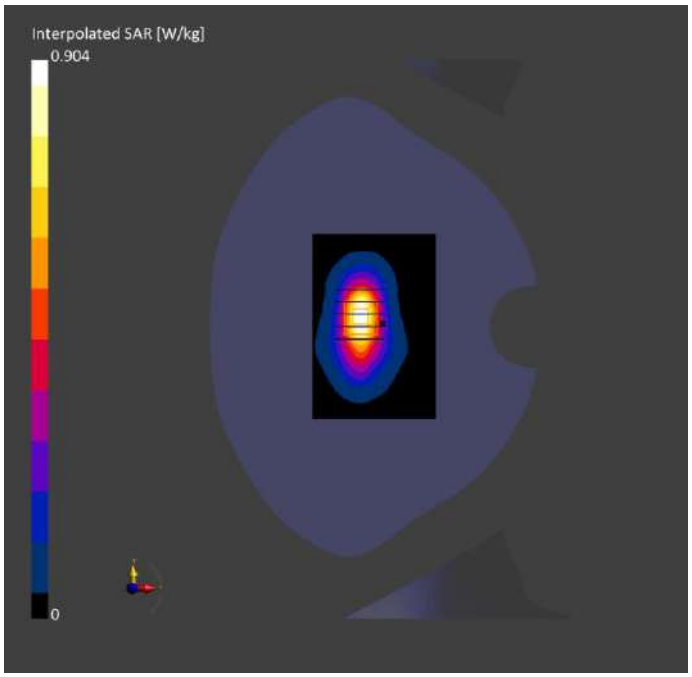
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-02	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	8.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-02	2024-05-02
psSAR1g [W/kg]	0.496	0.523
psSAR10g [W/kg]	0.268	0.287
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		10.1


Interpolated SAR [W/kg]
0.904
0

Meas.23 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.911	41.4	22.5	21.4

Hardware Setup

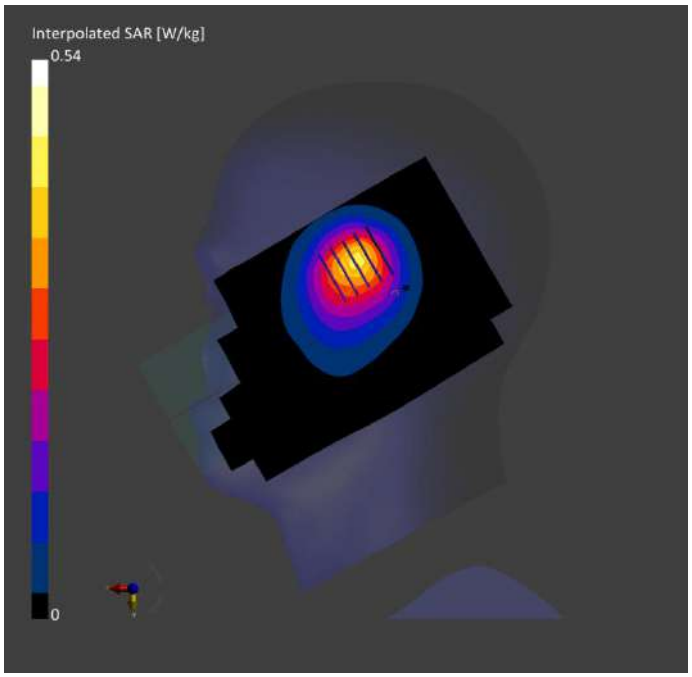
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.359	0.357
psSAR10g [W/kg]	0.233	0.230
Power Drift [dB]	-0.03	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.4
Dist 3dB Peak [mm]		14.8


Interpolated SAR [W/kg]
0.54
0

Meas.24 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.911	41.4	22.5	21.4

Hardware Setup

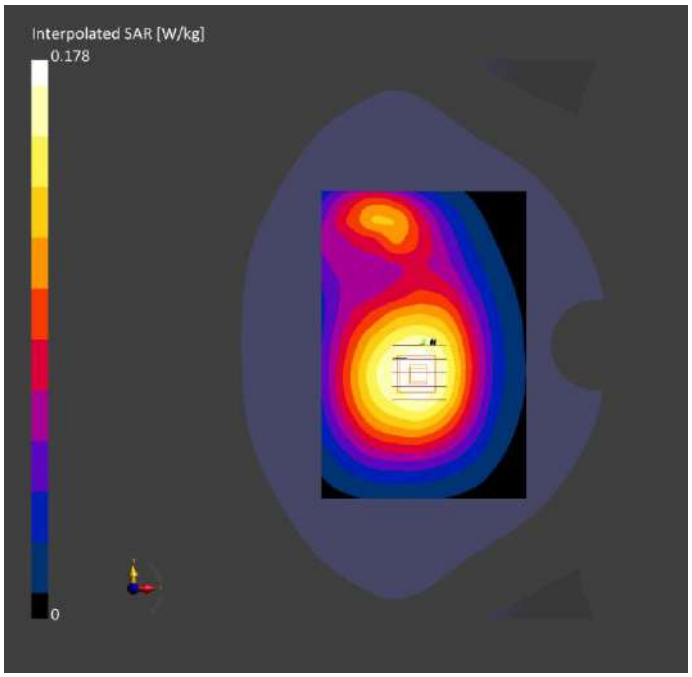
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.134	0.142
psSAR10g [W/kg]	0.094	0.110
Power Drift [dB]	0.05	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.178
0

Meas.25 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.96	0.911	41.4	22.5	21.4

Hardware Setup

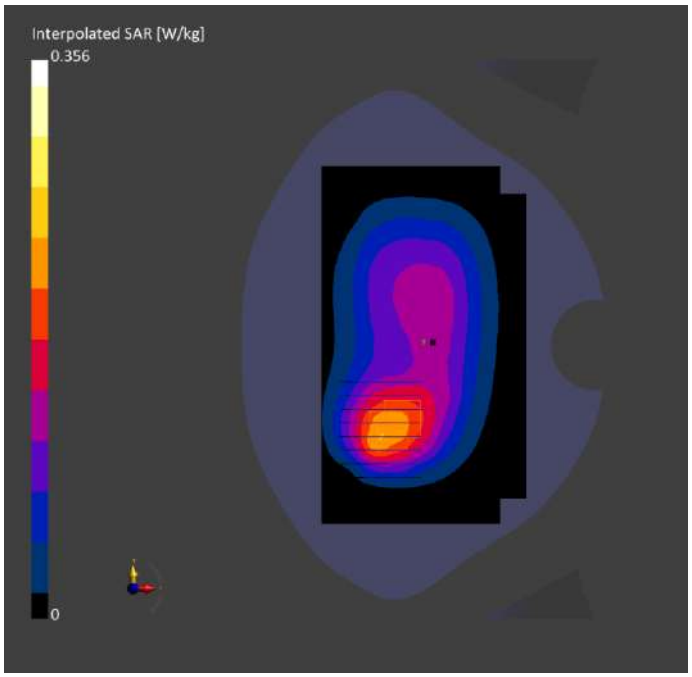
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.208	0.196
psSAR10g [W/kg]	0.141	0.133
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		10.2


Interpolated SAR [W/kg]
0.356
0

Meas.26 Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.41	1.89	39.3	22.5	21.3

Hardware Setup

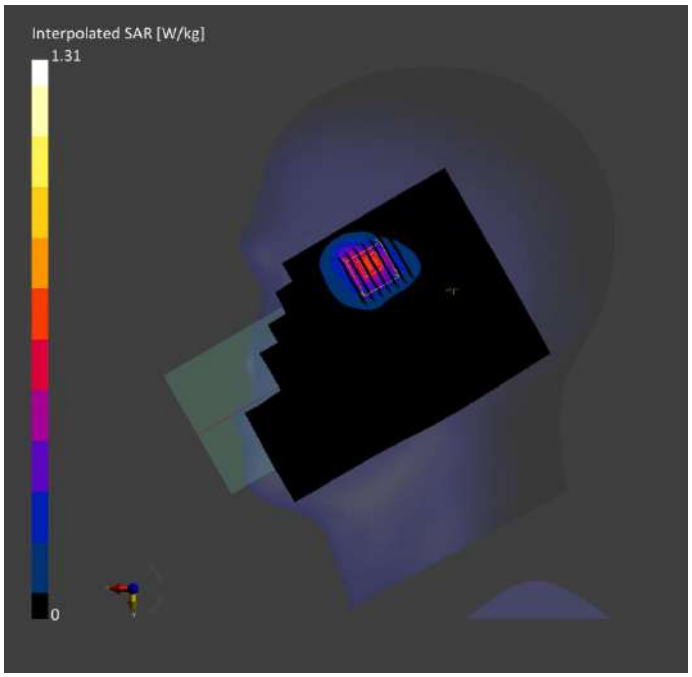
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-09	2024-05-09
psSAR1g [W/kg]	0.533	0.602
psSAR10g [W/kg]	0.253	0.266
Power Drift [dB]	0.03	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.2
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
1.31
0

Meas.27 Body Plane with Back Side 15mm on High Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.41	1.93	39.2	22.5	21.3

Hardware Setup

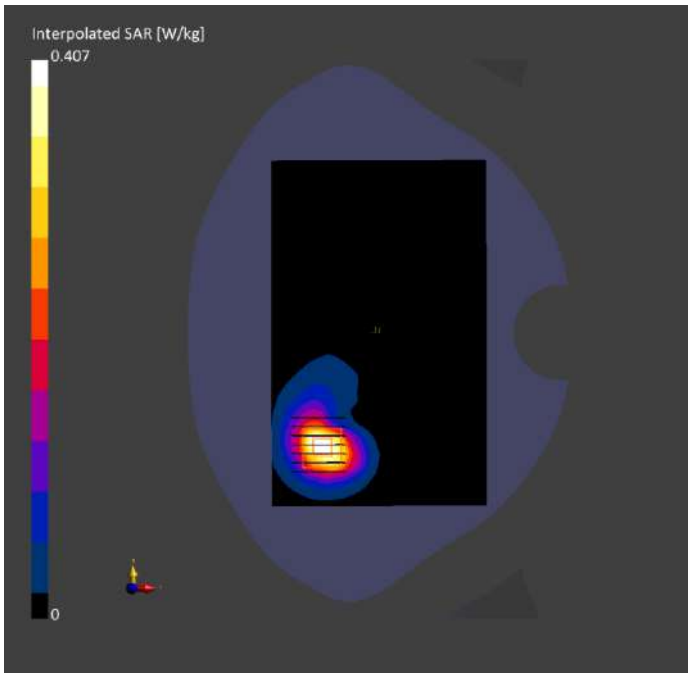
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-09	2024-05-09
psSAR1g [W/kg]	0.199	0.213
psSAR10g [W/kg]	0.099	0.103
Power Drift [dB]	0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
0.407
0

Meas.28 Body Plane with Back Side 10mm on High Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.41	1.93	39.2	22.5	21.3

Hardware Setup

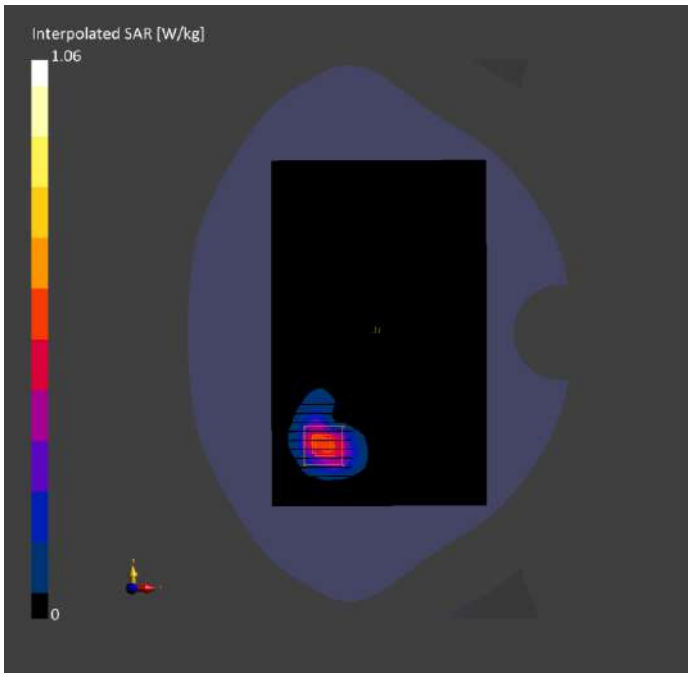
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-09	2024-05-09
psSAR1g [W/kg]	0.476	0.523
psSAR10g [W/kg]	0.220	0.231
Power Drift [dB]	0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.5
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
1.06
0

Meas.29 Body Plane with Top Edge 0mm on High Channel in LTE Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band 7	LTE-FDD, 10169-CAF	2560.0, 21350	7.41	1.93	39.2	22.5	21.3

Hardware Setup

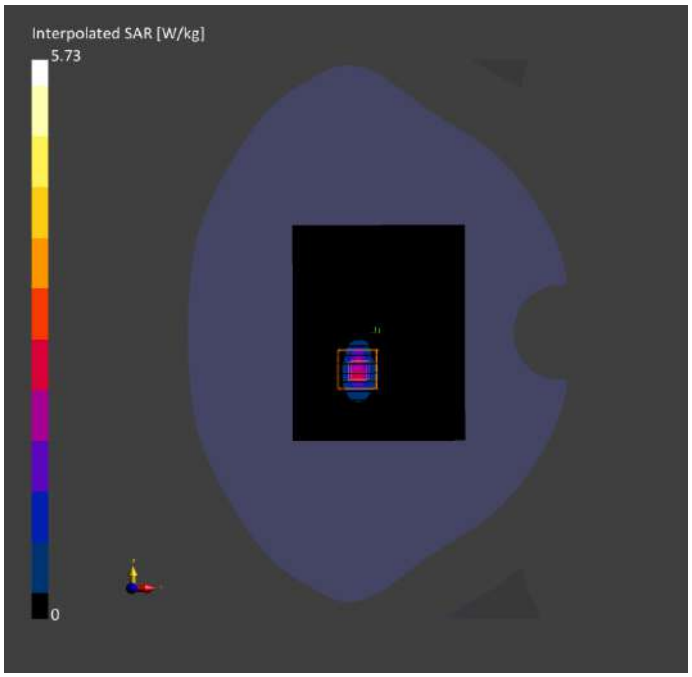
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-09	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-09	2024-05-09
psSAR1g [W/kg]	1.76	2.08
psSAR10g [W/kg]	0.624	0.649
Power Drift [dB]	0.03	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		32.2
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
5.73
0

Meas.30 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.878	42.3	22.3	21.2

Hardware Setup

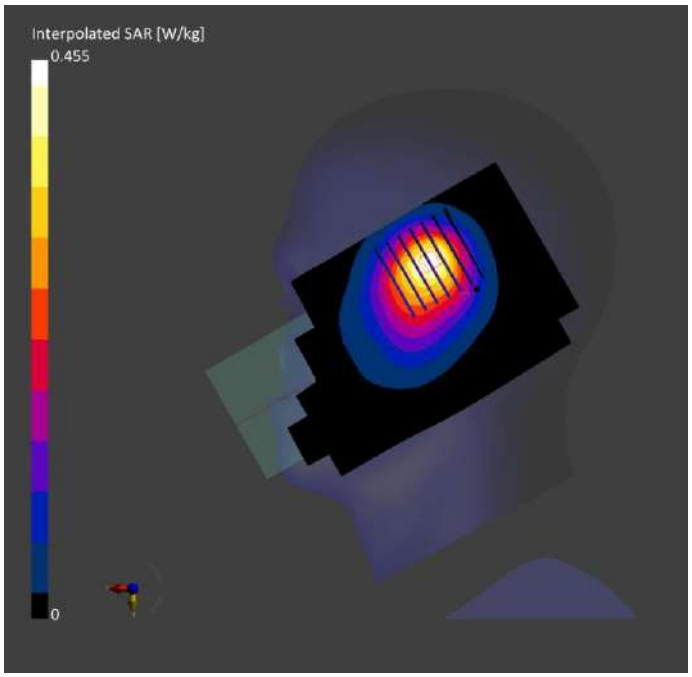
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.290	0.283
psSAR10g [W/kg]	0.191	0.186
Power Drift [dB]	-0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		13.2


Interpolated SAR [W/kg]
0.455
0

Meas.31 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.878	42.3	22.3	21.2

Hardware Setup

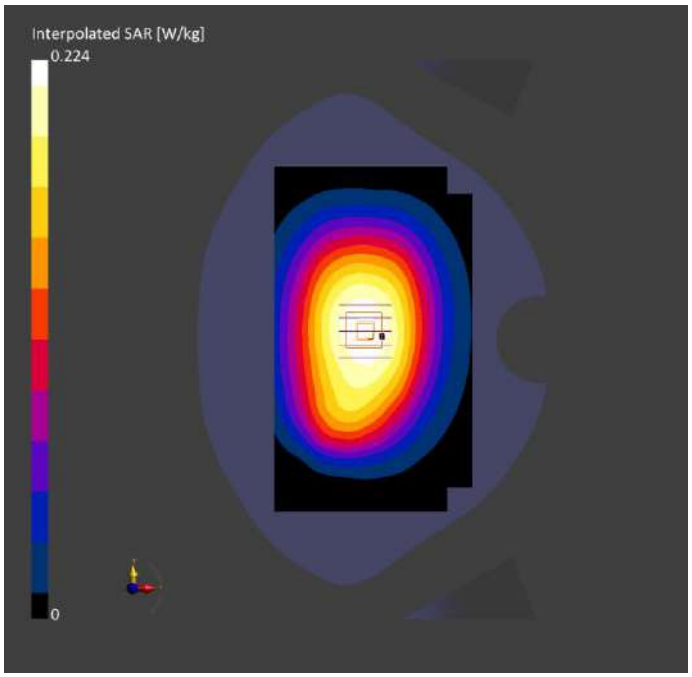
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.157	0.167
psSAR10g [W/kg]	0.113	0.128
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.3
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.224
0

Meas.32 Body Plane with Back Side 10mm on Middle Channel in LTE Band12 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	10.31	0.878	42.3	22.3	21.2

Hardware Setup

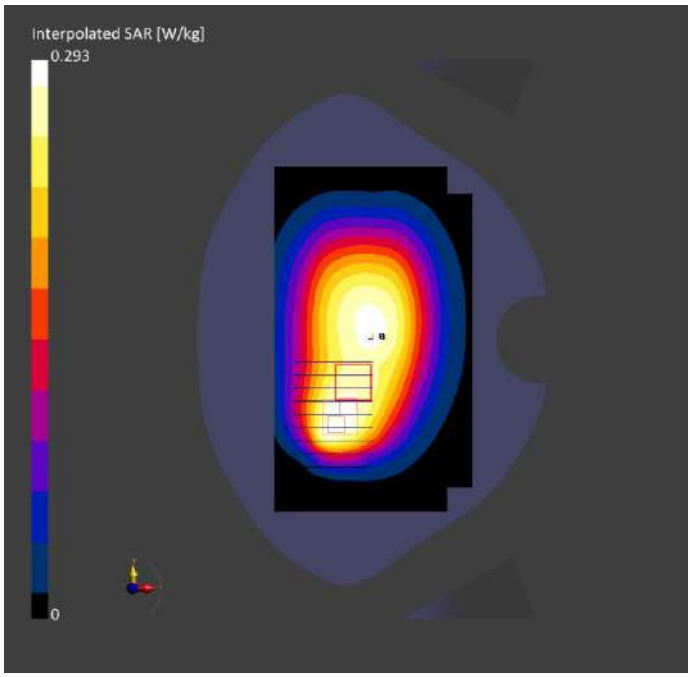
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.165	0.164
psSAR10g [W/kg]	0.115	0.119
Power Drift [dB]	0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
0.293
0

Meas.33 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	10.31	0.912	41.7	22.3	21.2

Hardware Setup

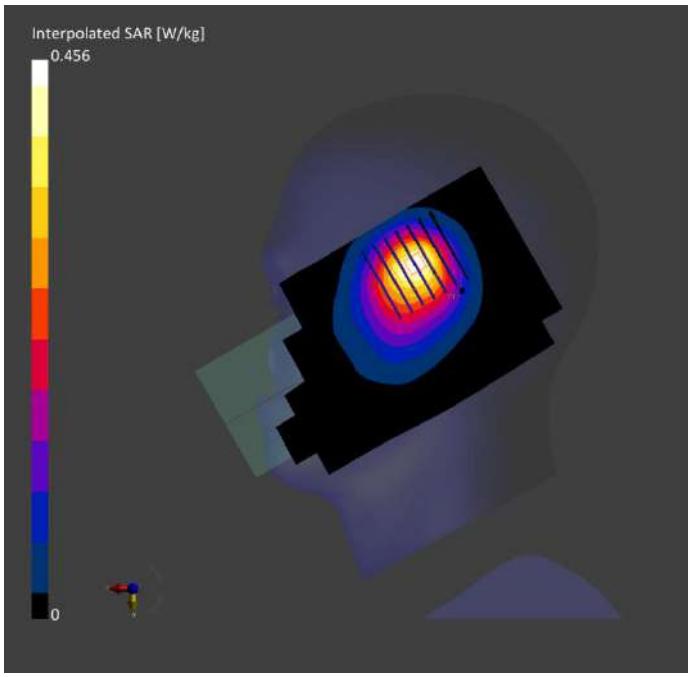
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.292	0.291
psSAR10g [W/kg]	0.191	0.189
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.3
Dist 3dB Peak [mm]		13.6


Interpolated SAR [W/kg]
0.456
0

Meas.34 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	10.31	0.912	41.7	22.3	21.2

Hardware Setup

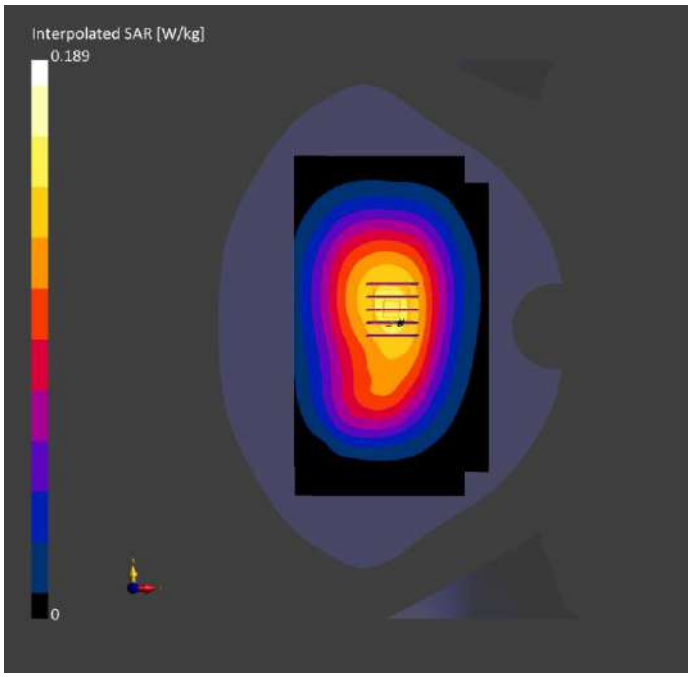
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.132	0.141
psSAR10g [W/kg]	0.094	0.107
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.4
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.189
0

Meas.35 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	10.31	0.912	41.7	22.3	21.2

Hardware Setup

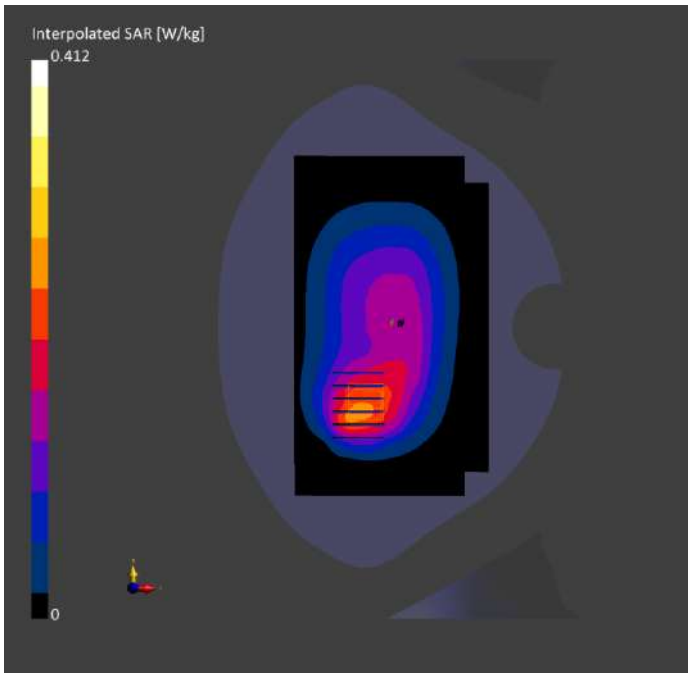
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-18	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18	2024-05-18
psSAR1g [W/kg]	0.223	0.213
psSAR10g [W/kg]	0.152	0.141
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.2
Dist 3dB Peak [mm]		10.2


Interpolated SAR [W/kg]
0.412
0

Meas.36 Right Head with Cheek on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.886	42.4	22.4	21.3

Hardware Setup

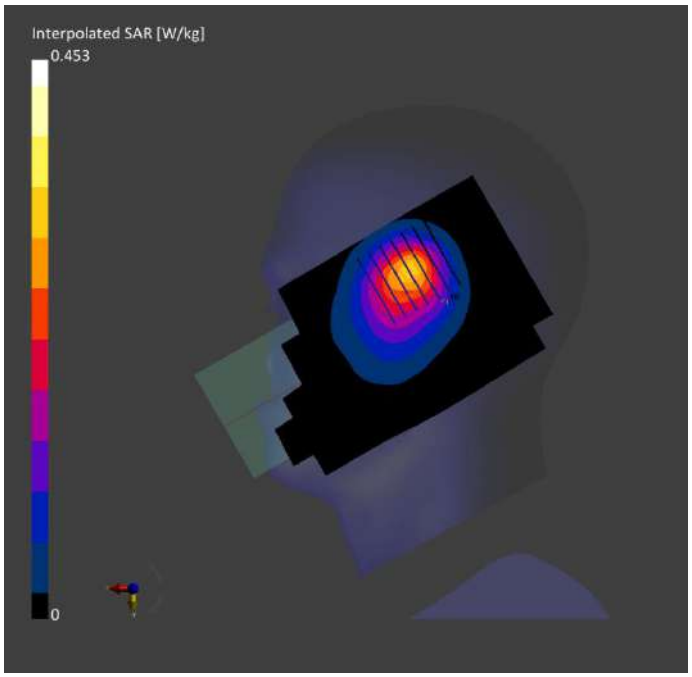
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.287	0.285
psSAR10g [W/kg]	0.189	0.187
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.7
Dist 3dB Peak [mm]		13.2


Interpolated SAR [W/kg]
0.453
0

Meas.37 Body Plane with Back Side 15mm on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.886	42.4	22.4	21.3

Hardware Setup

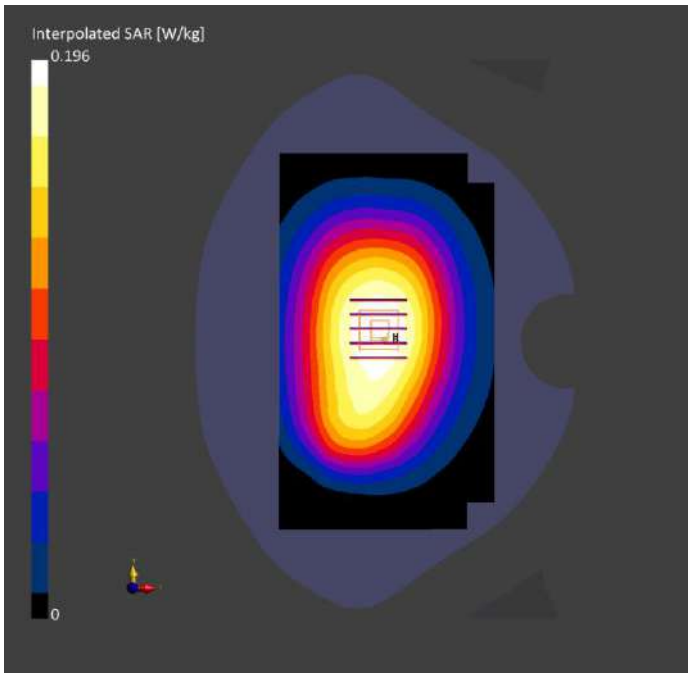
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.138	0.147
psSAR10g [W/kg]	0.099	0.113
Power Drift [dB]	0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.9
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.196
0

Meas.38 Body Plane with Back Side 10mm on Low Channel in LTE Band17 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 17	LTE-FDD, 10175-CAH	709.0, 23780	10.31	0.886	42.4	22.4	21.3

Hardware Setup

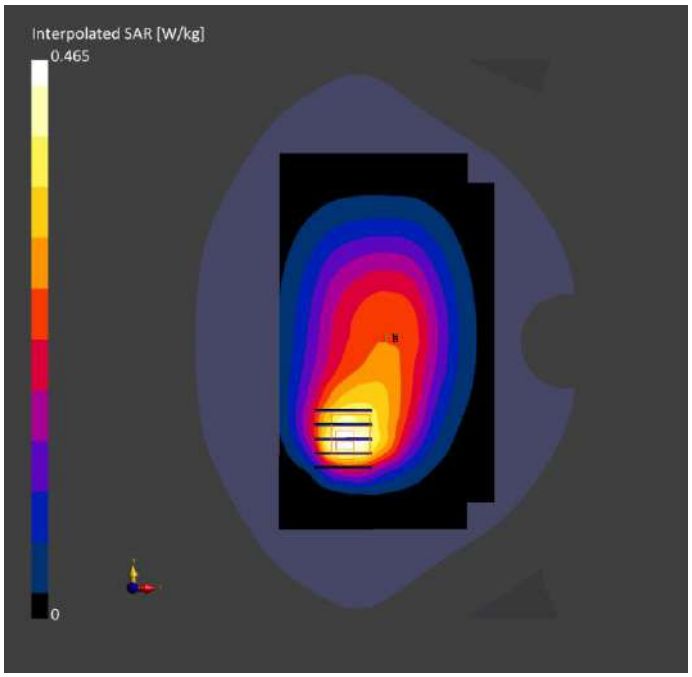
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-19	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-19	2024-05-19
psSAR1g [W/kg]	0.234	0.227
psSAR10g [W/kg]	0.156	0.143
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.5
Dist 3dB Peak [mm]		11.5


Interpolated SAR [W/kg]
0.465
0

Meas.39 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	9.96	0.902	41.8	22.5	21.4

Hardware Setup

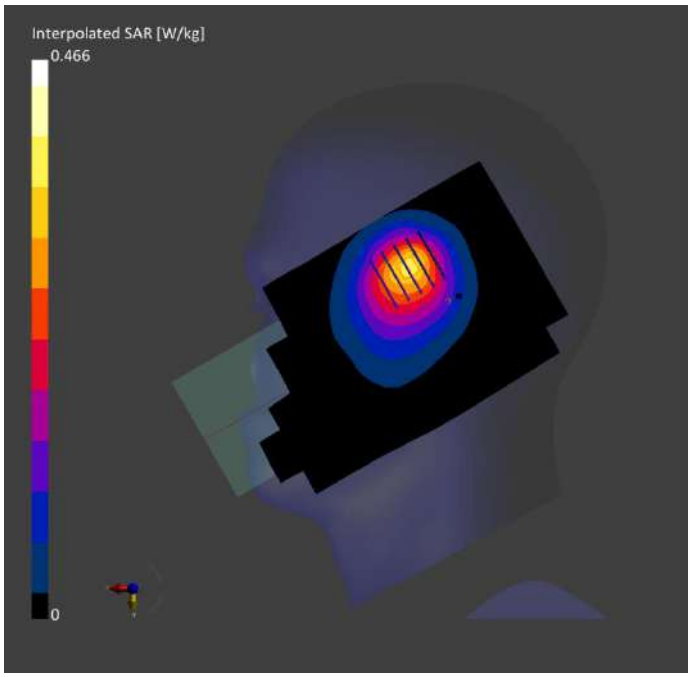
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.312	0.309
psSAR10g [W/kg]	0.202	0.200
Power Drift [dB]	-0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.0
Dist 3dB Peak [mm]		15.1


Interpolated SAR [W/kg]
0.466
0

Meas.40 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	9.96	0.902	41.8	22.5	21.4

Hardware Setup

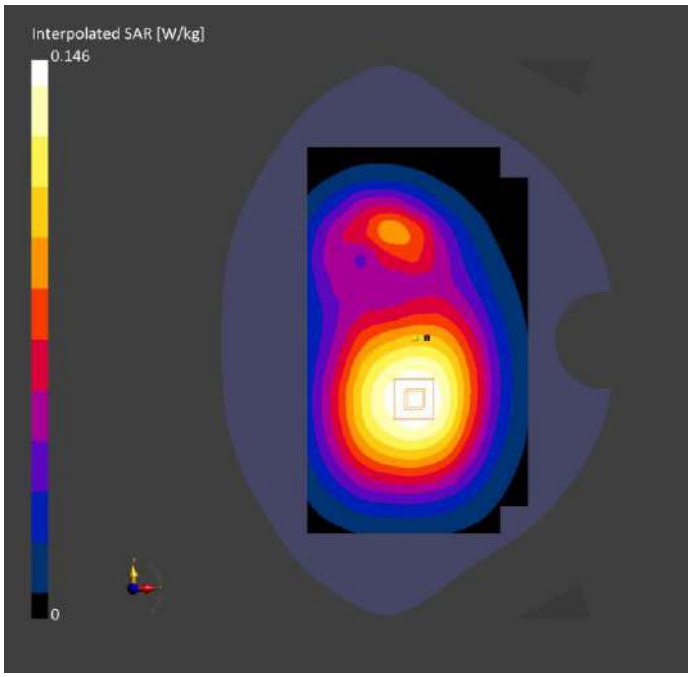
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.105	0.110
psSAR10g [W/kg]	0.074	0.084
Power Drift [dB]	0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.5
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.146
0

Meas.41 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	9.96	0.902	41.8	22.5	21.4

Hardware Setup

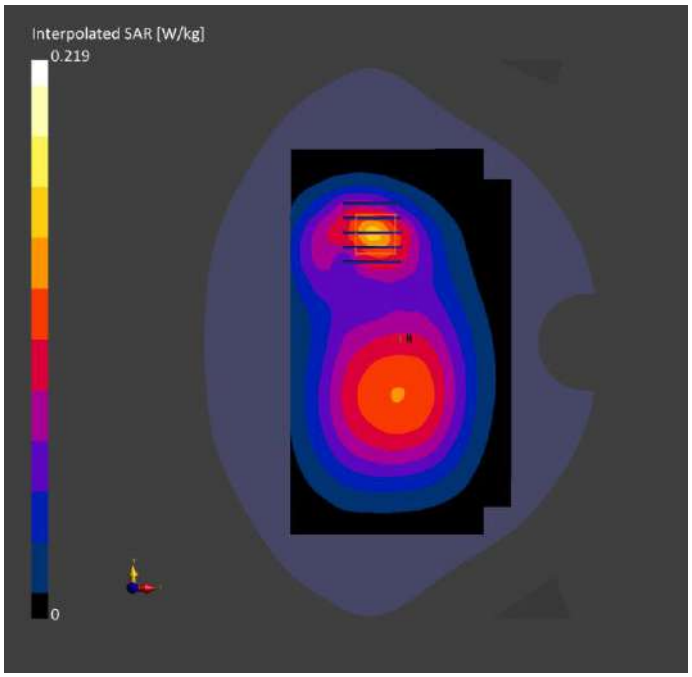
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-04-30	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-30	2024-04-30
psSAR1g [W/kg]	0.129	0.130
psSAR10g [W/kg]	0.082	0.079
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		15.8


Interpolated SAR [W/kg]
0.219
0

Meas.42 Right Head with Tilt on High Channel in LTE Band66 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.52	1.41	39.5	22.3	21.1

Hardware Setup

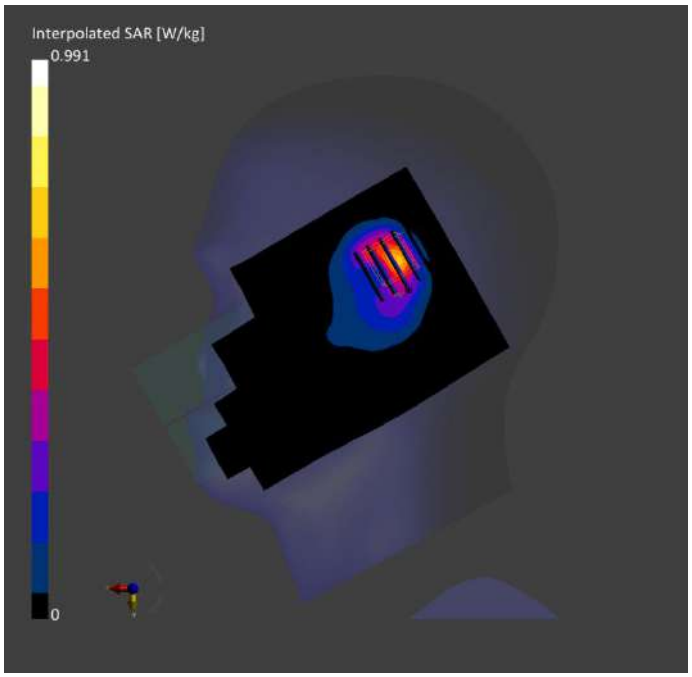
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	0.527	0.522
psSAR10g [W/kg]	0.267	0.257
Power Drift [dB]	-0.04	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
0.991
0

Meas.43 Body Plane with Back Side 15mm on High Channel in LTE Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.52	1.41	39.5	22.3	21.1

Hardware Setup

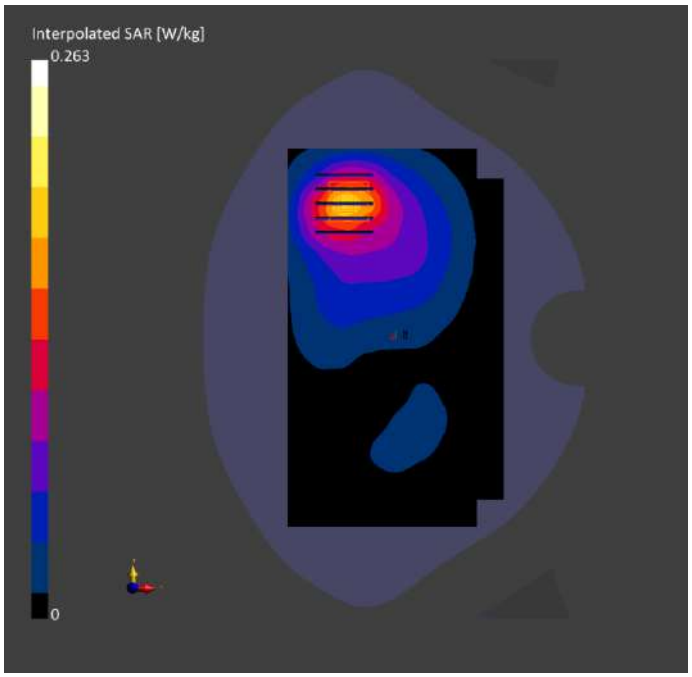
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	0.163	0.170
psSAR10g [W/kg]	0.095	0.105
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.3
Dist 3dB Peak [mm]		16.5


Interpolated SAR [W/kg]
0.263
0

Meas.44 Body Plane with Bottom Edge 10mm on High Channel in LTE Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.52	1.41	39.5	22.3	21.1

Hardware Setup

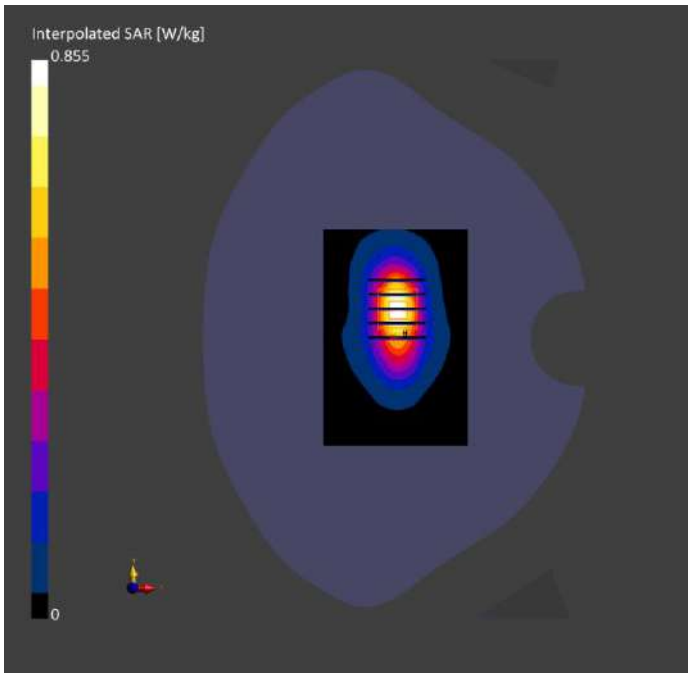
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	8.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	0.490	0.502
psSAR10g [W/kg]	0.261	0.277
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.4
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.855
0

Meas.45 Right Head with Tilt on High Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.41	1.98	38.6	22.8	21.6

Hardware Setup

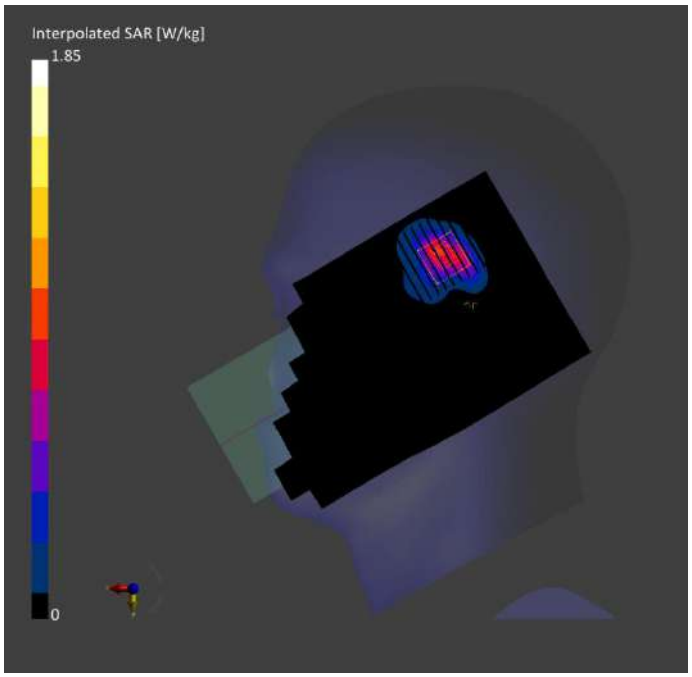
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.724	0.865
psSAR10g [W/kg]	0.354	0.390
Power Drift [dB]	-0.05	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.1
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
1.85
0

Meas.46 Body Plane with Back Side 15mm on High Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.41	1.98	38.6	22.8	21.6

Hardware Setup

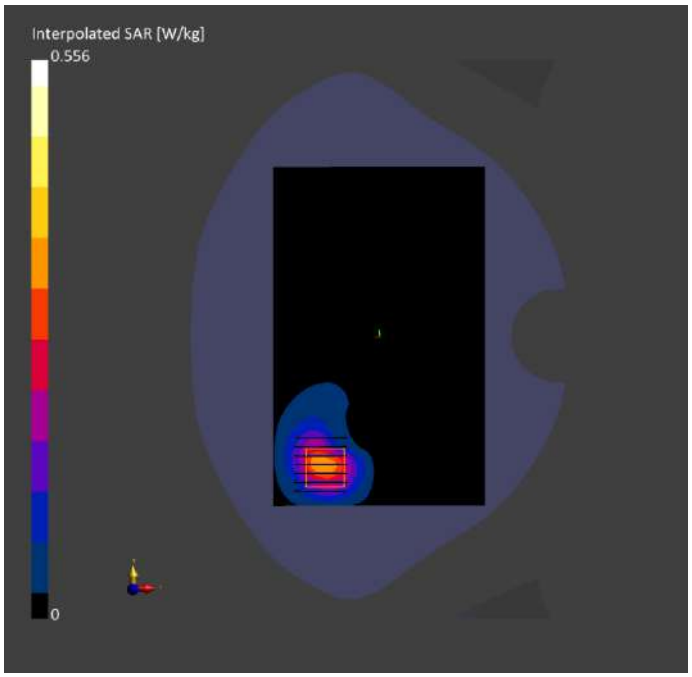
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.288	0.300
psSAR10g [W/kg]	0.139	0.150
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		10.3


Interpolated SAR [W/kg]
0.556
0

Meas.47 Body Plane with Back Side 10mm on High Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.41	1.98	38.6	22.8	21.6

Hardware Setup

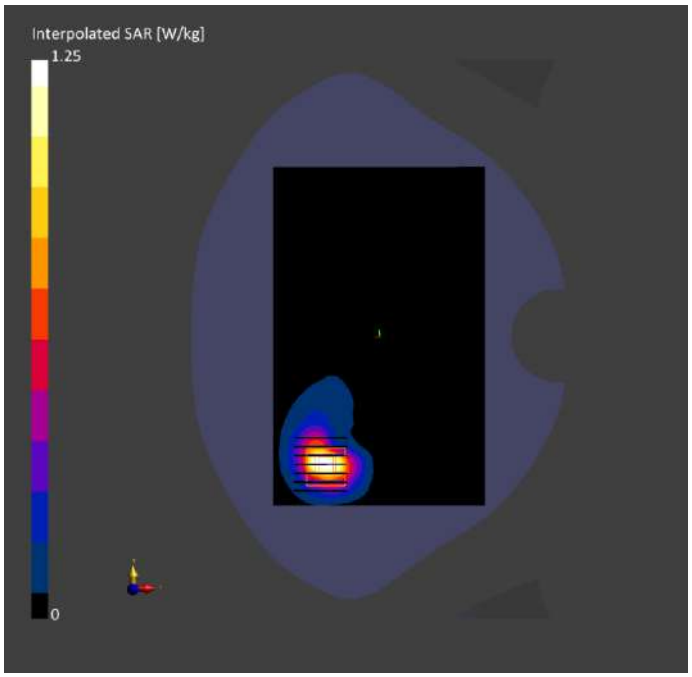
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-10	2024-05-10
psSAR1g [W/kg]	0.597	0.634
psSAR10g [W/kg]	0.268	0.288
Power Drift [dB]	0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		8.5


Interpolated SAR [W/kg]
1.25
0

Meas.48 Body Plane with Back Side 0mm on High Channel in LTE Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	Band 38	LTE-TDD, 10172-CAH	2610.0, 38150	7.41	1.98	38.6	22.8	21.6

Hardware Setup

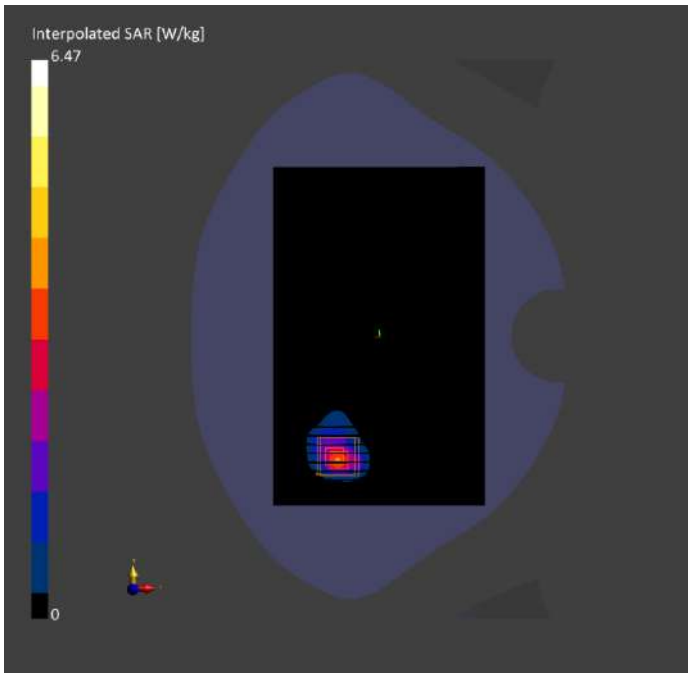
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-10	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-10	2024-05-10
psSAR1g [W/kg]	2.74	2.85
psSAR10g [W/kg]	1.13	1.13
Power Drift [dB]	-0.08	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.7
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
6.47
0

Meas.49 Right Head with Tilt on Low Channel in LTE Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band 41	LTE-TDD, 10172-CAH	2549.5, 40185	7.41	1.89	39.5	22.4	21.3

Hardware Setup

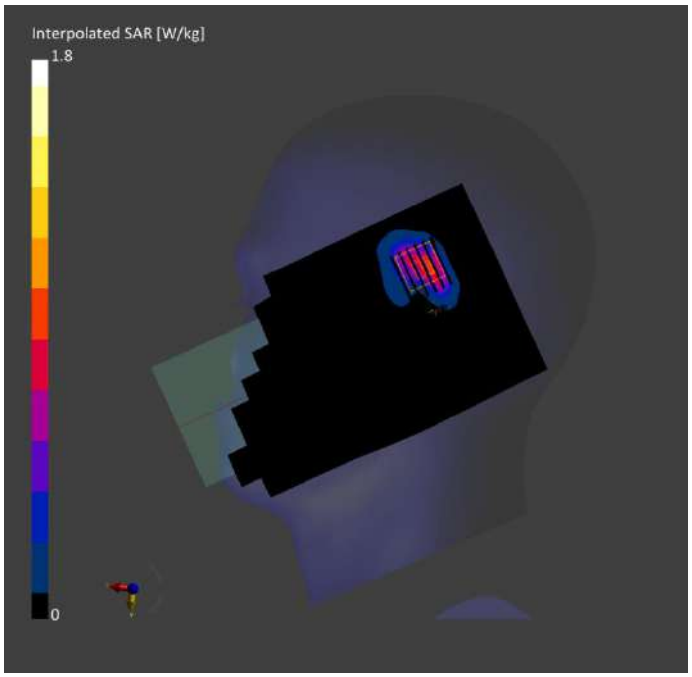
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	0.936	1.02
psSAR10g [W/kg]	0.422	0.446
Power Drift [dB]	0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.0
Dist 3dB Peak [mm]		6.7


Interpolated SAR [W/kg]
1.8
0

Meas.50 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.41	1.95	39.3	22.4	21.3

Hardware Setup

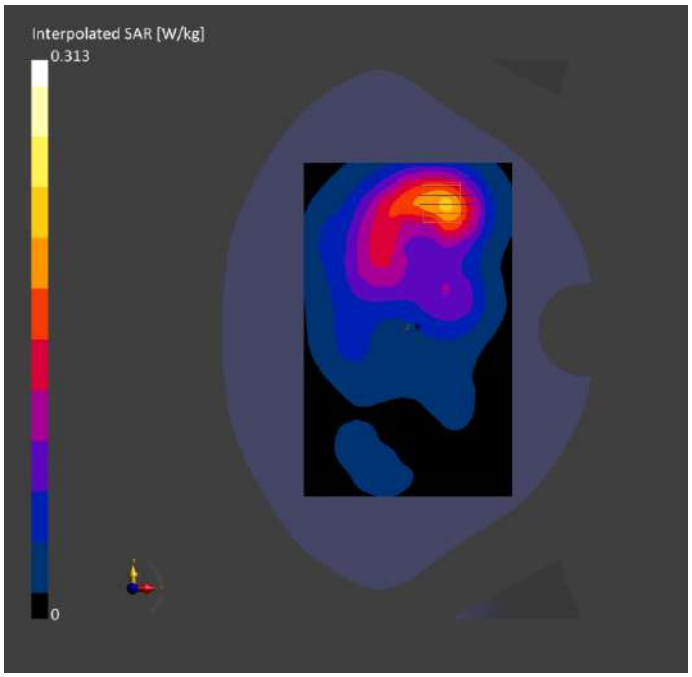
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	0.174	0.177
psSAR10g [W/kg]	0.093	0.101
Power Drift [dB]	0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		15.2


Interpolated SAR [W/kg]
0.313
0

Meas.51 Body Plane with Back Side 10mm on High Channel in LTE Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band 41	LTE-TDD, 10172-CAH	2680.0, 41490	7.41	2.10	38.4	22.4	21.3

Hardware Setup

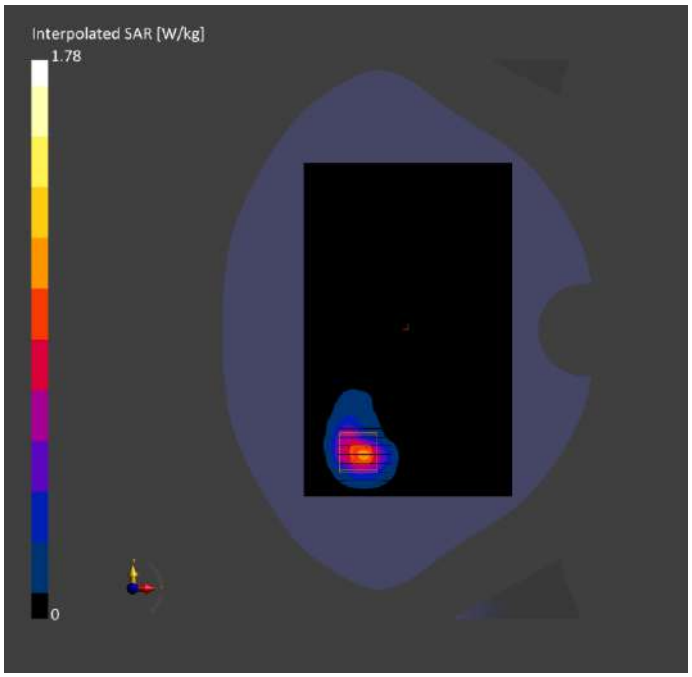
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	0.818	0.853
psSAR10g [W/kg]	0.363	0.374
Power Drift [dB]	-0.14	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.6
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
1.78
0

Meas.52 Body Plane with Back Side 0mm on High Channel in LTE Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE TOP, 0.00	Band 41	LTE-TDD, 10172-CAH	2680.0, 41490	7.41	2.10	38.4	22.4	21.3

Hardware Setup

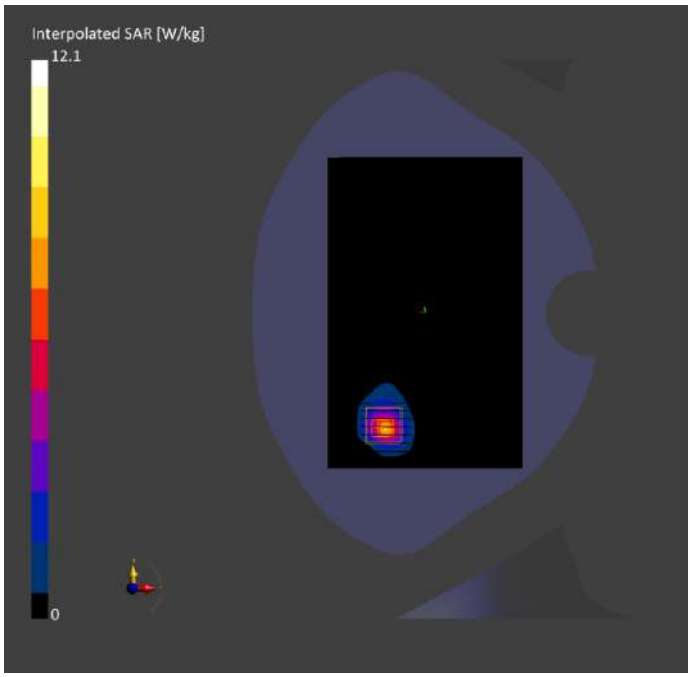
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-12	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-12	2024-05-12
psSAR1g [W/kg]	3.55	3.99
psSAR10g [W/kg]	1.21	1.20
Power Drift [dB]	-0.07	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.3
Dist 3dB Peak [mm]		8.0


Interpolated SAR [W/kg]
12.1
0

Meas.53 Right Head with Cheek on 167800 Channel in NR Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.917	41.7	22.6	21.5

Hardware Setup

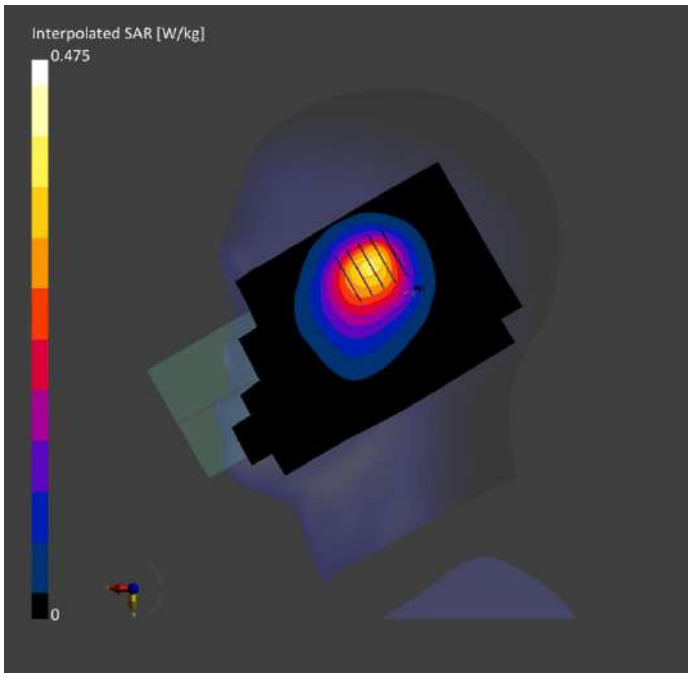
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-01	2024-05-01
psSAR1g [W/kg]	0.326	0.318
psSAR10g [W/kg]	0.215	0.206
Power Drift [dB]	-0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.4
Dist 3dB Peak [mm]		16.2


Interpolated SAR [W/kg]
0.475
0

Meas.54 Body Plane with Back Side 15mm on 167800 Channel in NR Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.917	41.7	22.6	21.5

Hardware Setup

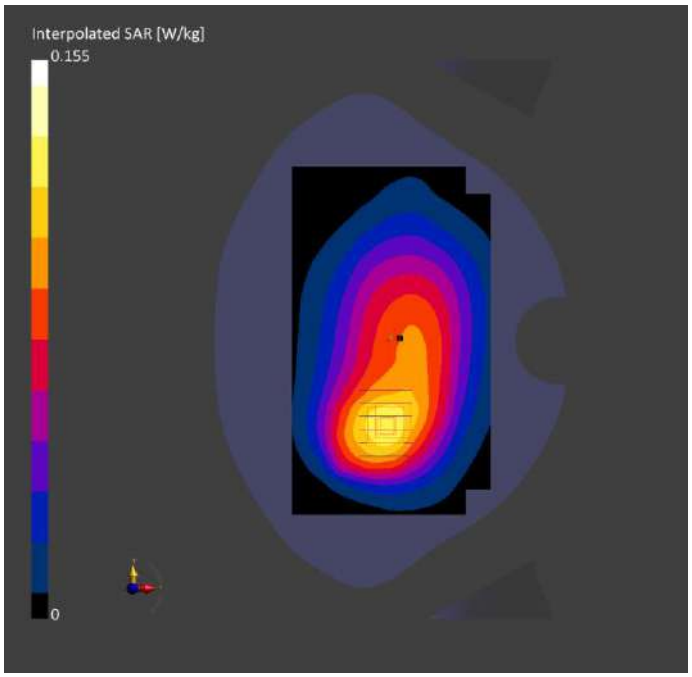
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-01	2024-05-01
psSAR1g [W/kg]	0.112	0.115
psSAR10g [W/kg]	0.078	0.085
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.0
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.155
0

Meas.55 Body Plane with Back Side 10mm on 167800 Channel in NR Band5 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n5	5G NR FR1 FDD, 10931-AAC	839.0, 167800	9.96	0.917	41.7	22.6	21.5

Hardware Setup

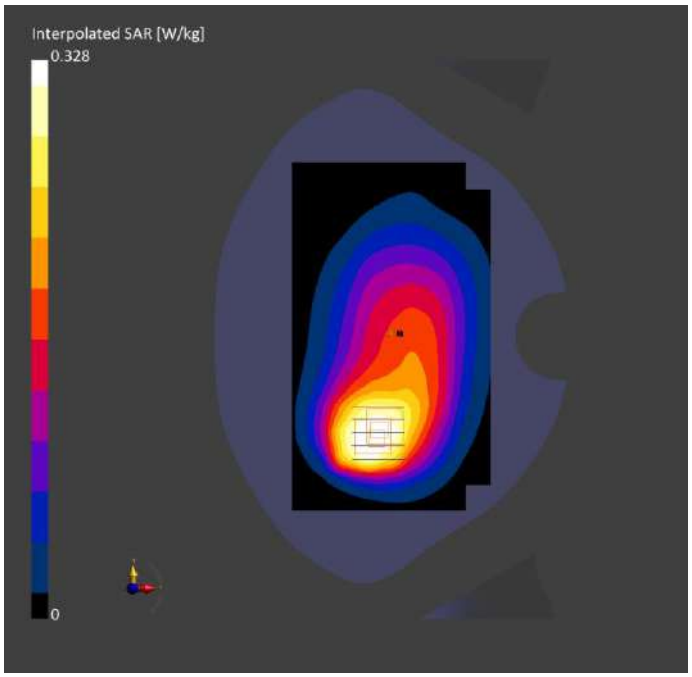
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-01	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-01	2024-05-01
psSAR1g [W/kg]	0.204	0.206
psSAR10g [W/kg]	0.142	0.144
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.8
Dist 3dB Peak [mm]		> 16.0


Interpolated SAR [W/kg]
0.328
0

Meas.56 Right Head with Tilt on 507000 Channel in NR Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	TILT, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.89	39.6	22.5	21.4

Hardware Setup

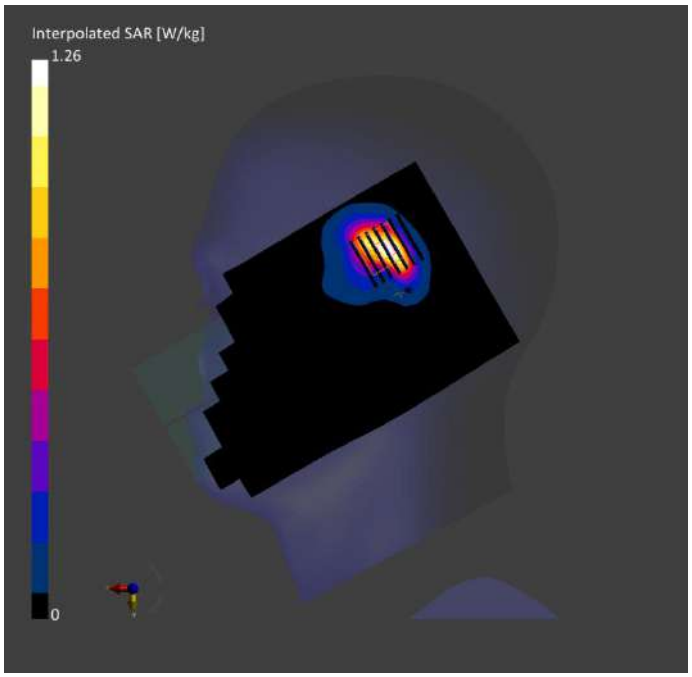
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	0.514	0.595
psSAR10g [W/kg]	0.243	0.264
Power Drift [dB]	0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.2
Dist 3dB Peak [mm]		6.7


Interpolated SAR [W/kg]
1.26
0

Meas.57 Body Plane with Back Side 15mm on 507000 Channel in NR Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.89	39.6	22.5	21.4

Hardware Setup

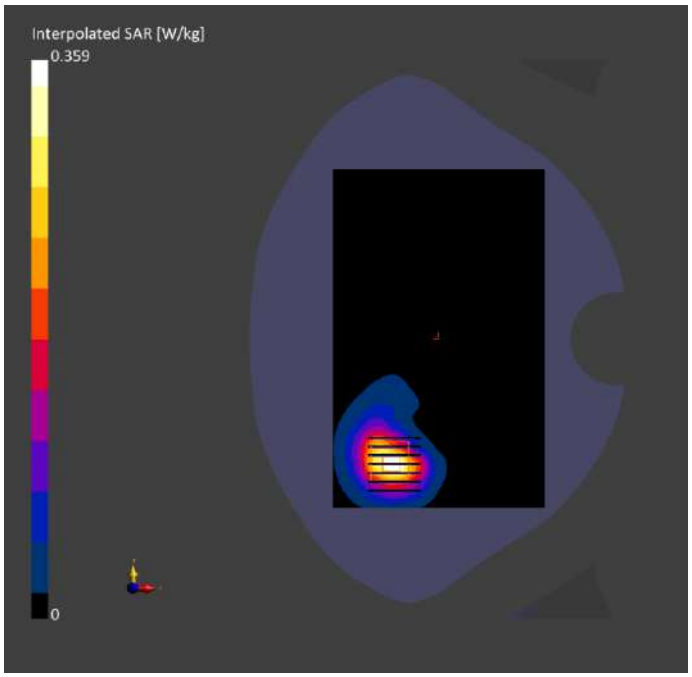
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	0.182	0.191
psSAR10g [W/kg]	0.089	0.094
Power Drift [dB]	-0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		10.3


Interpolated SAR [W/kg]
0.359
0

Meas.58 Body Plane with Bottom Edge 10mm on 507000 Channel in NR Band7 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.89	39.6	22.5	21.4

Hardware Setup

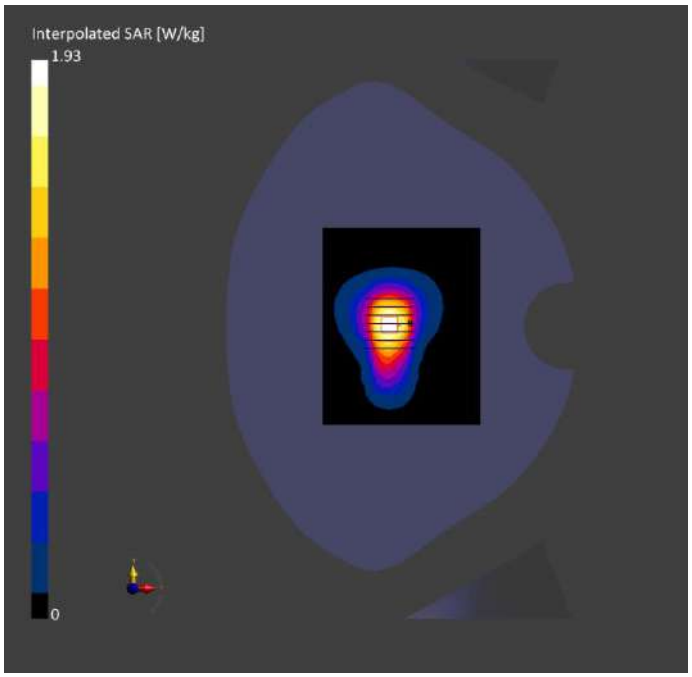
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	0.974	1.02
psSAR10g [W/kg]	0.498	0.518
Power Drift [dB]	0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		10.6


Interpolated SAR [W/kg]
1.93
0

Meas.59 Body Plane with Back Side 0mm on 507000 Channel in NR Band7 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0, 507000	7.41	1.89	39.6	22.5	21.4

Hardware Setup

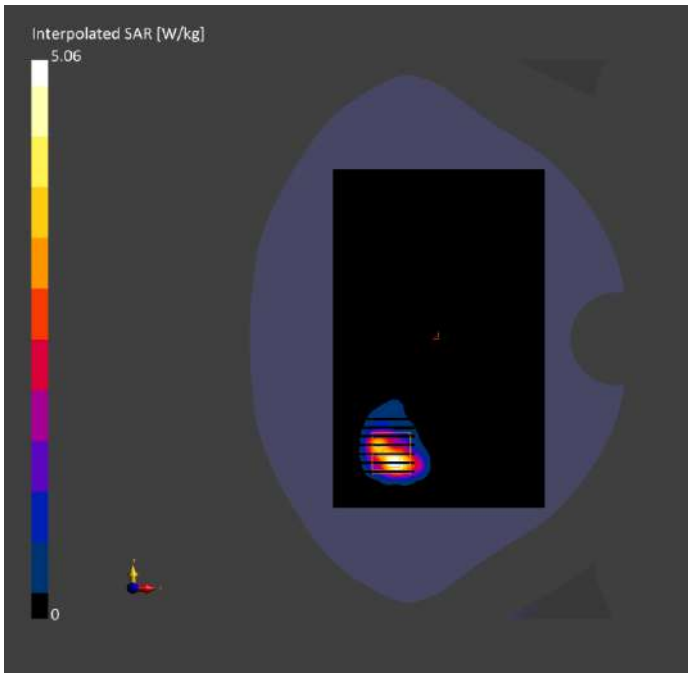
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-13	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-13	2024-05-13
psSAR1g [W/kg]	1.83	2.20
psSAR10g [W/kg]	0.795	0.858
Power Drift [dB]	0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.1
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
5.06
0

Meas.60 Right Head with Cheek on 352000 Channel in NR Band66 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10934-AAC	1760.0, 352000	8.52	1.38	39.8	22.3	21.1

Hardware Setup

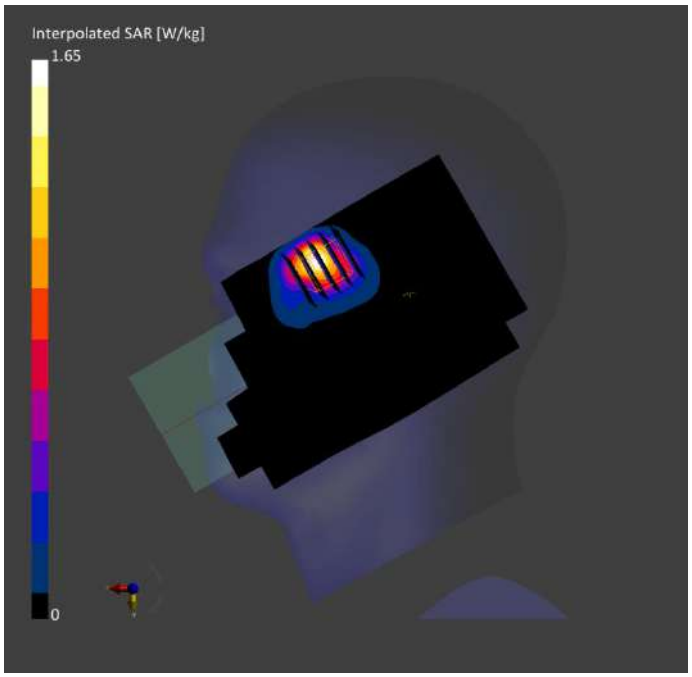
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	0.667	0.724
psSAR10g [W/kg]	0.341	0.323
Power Drift [dB]	0.01	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.6
Dist 3dB Peak [mm]		6.8


Interpolated SAR [W/kg]
1.65
0

Meas.61 Body Plane with Back Side 15mm on 352000 Channel in NR Band66 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n66	5G NR FR1 FDD, 10934-AAC	1760.0, 352000	8.52	1.38	39.8	22.3	21.1

Hardware Setup

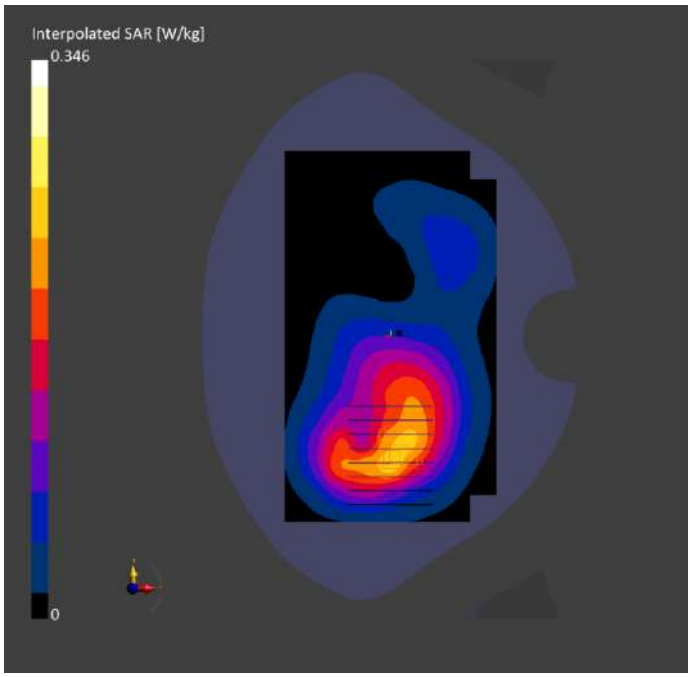
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	0.211	0.225
psSAR10g [W/kg]	0.130	0.143
Power Drift [dB]	-0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.4
Dist 3dB Peak [mm]		15.1


Interpolated SAR [W/kg]
0.346
0

Meas.62 Body Plane with Bottom Edge 10mm on 352000 Channel in NR Band66 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band n66	5G NR FR1 FDD, 10934-AAC	1760.0, 352000	8.52	1.38	39.8	22.3	21.1

Hardware Setup

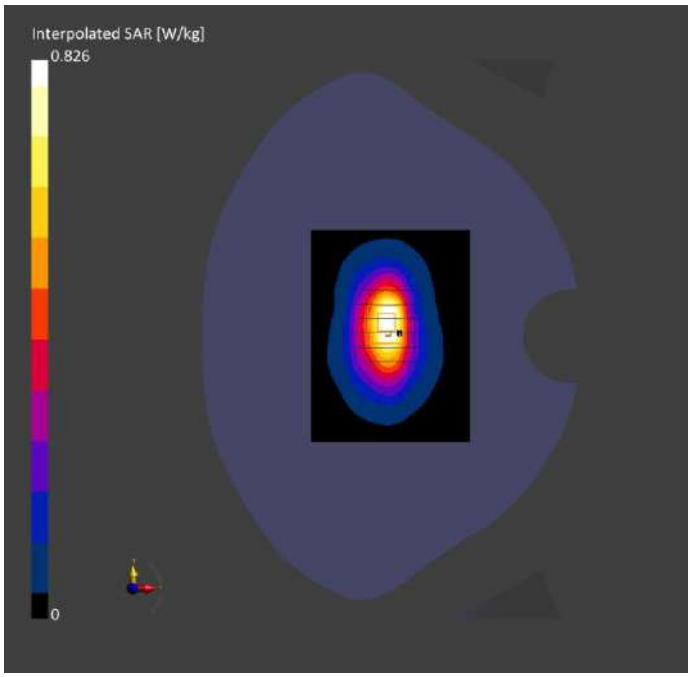
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-03	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-03	2024-05-03
psSAR1g [W/kg]	0.432	0.494
psSAR10g [W/kg]	0.240	0.274
Power Drift [dB]	-0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.2
Dist 3dB Peak [mm]		11.2


Interpolated SAR [W/kg]
0.826
0

Meas.63 Right Head with Cheek on 520000 Channel in NR Band38 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n38	5G NR FR1 TDD, 10903-AAD	2600.0, 520000	7.41	1.99	38.7	22.4	21.3

Hardware Setup

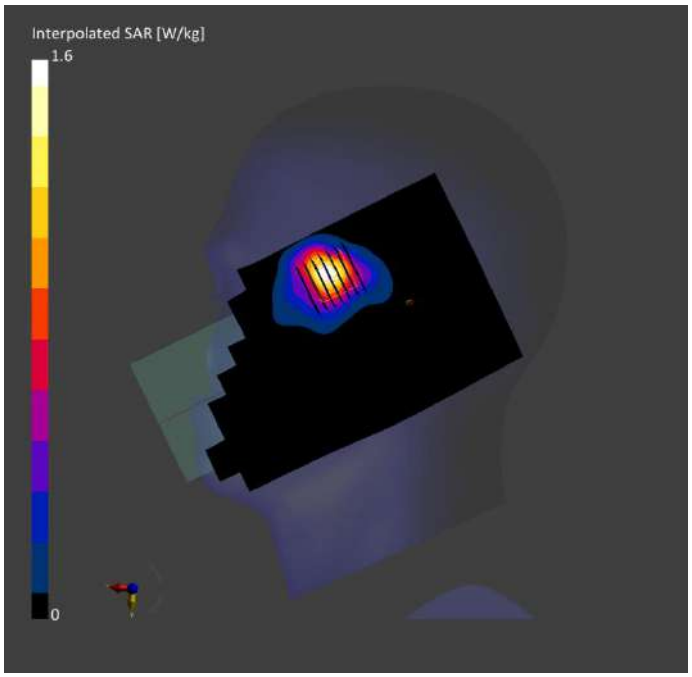
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	0.625	0.694
psSAR10g [W/kg]	0.293	0.310
Power Drift [dB]	-0.07	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.4
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
1.6
0

Meas.64 Body Plane with Back Side 15mm on 520000 Channel in NR Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n38	5G NR FR1 TDD, 10903-AAD	2600.0, 520000	7.41	1.99	38.7	22.4	21.3

Hardware Setup

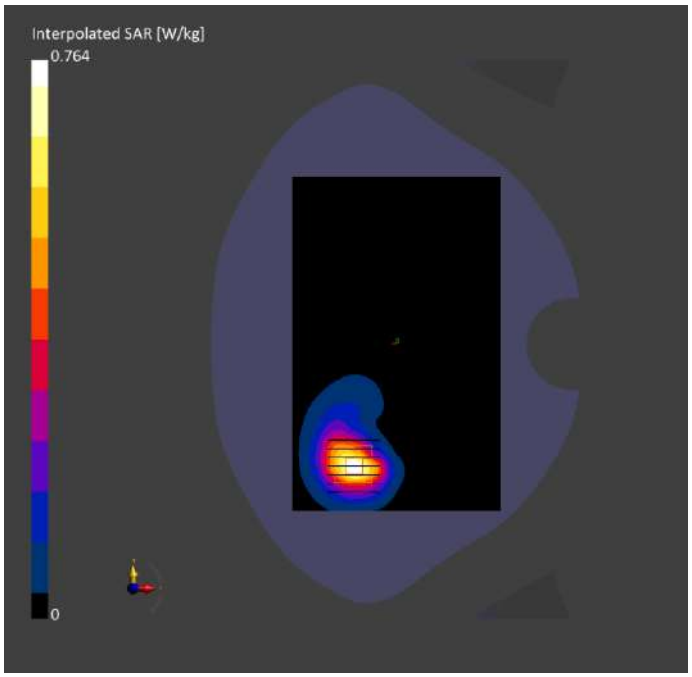
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	0.383	0.403
psSAR10g [W/kg]	0.184	0.194
Power Drift [dB]	-0.01	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.8
Dist 3dB Peak [mm]		9.8


Interpolated SAR [W/kg]
0.764
0

Meas.65 Body Plane with Back Side 10mm on 520000 Channel in NR Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	Band n38	5G NR FR1 TDD, 10903-AAD	2600.0, 520000	7.41	1.99	38.7	22.4	21.3

Hardware Setup

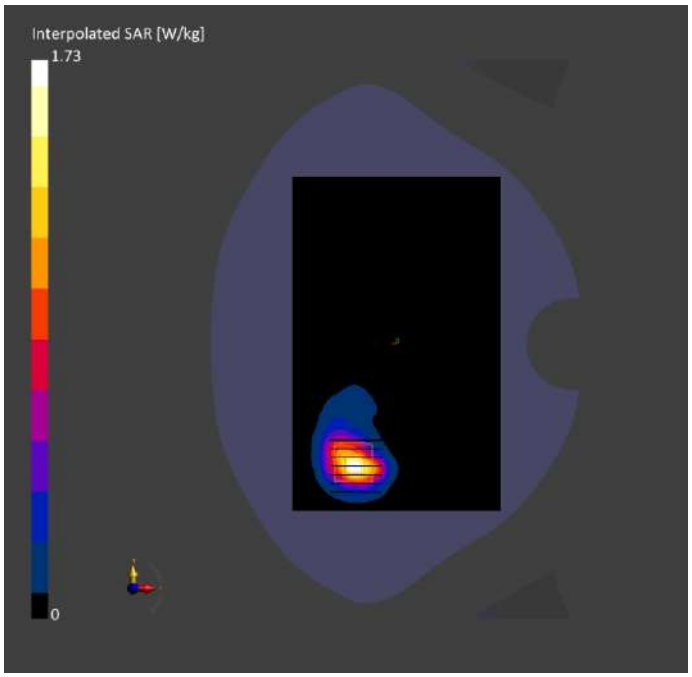
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	0.818	0.873
psSAR10g [W/kg]	0.365	0.390
Power Drift [dB]	0.01	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		8.1


Interpolated SAR [W/kg]
1.73
0

Meas.66 Body Plane with Back Side 0mm on 520000 Channel in NR Band38 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	Band n38	5G NR FR1 TDD, 10903-AAD	2600.0, 520000	7.41	1.99	38.7	22.4	21.3

Hardware Setup

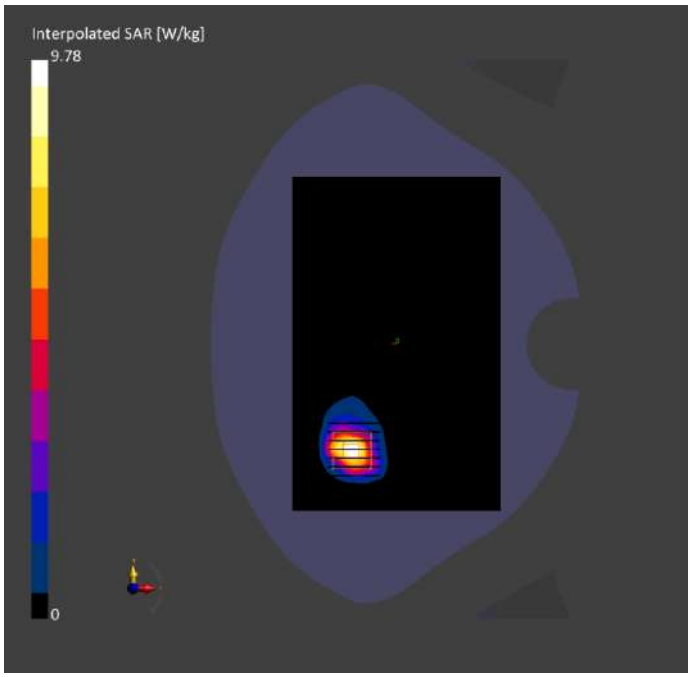
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-15	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15	2024-05-15
psSAR1g [W/kg]	3.35	4.20
psSAR10g [W/kg]	1.45	1.63
Power Drift [dB]	0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.6
Dist 3dB Peak [mm]		5.8


Interpolated SAR [W/kg]
9.78
0

Meas.67 Right Head with Cheek on 509202 Channel in NR Band41 mode with Antenna 4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
RightHead, HSL	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2546.01, 509202	7.41	1.89	39.8	22.5	21.4

Hardware Setup

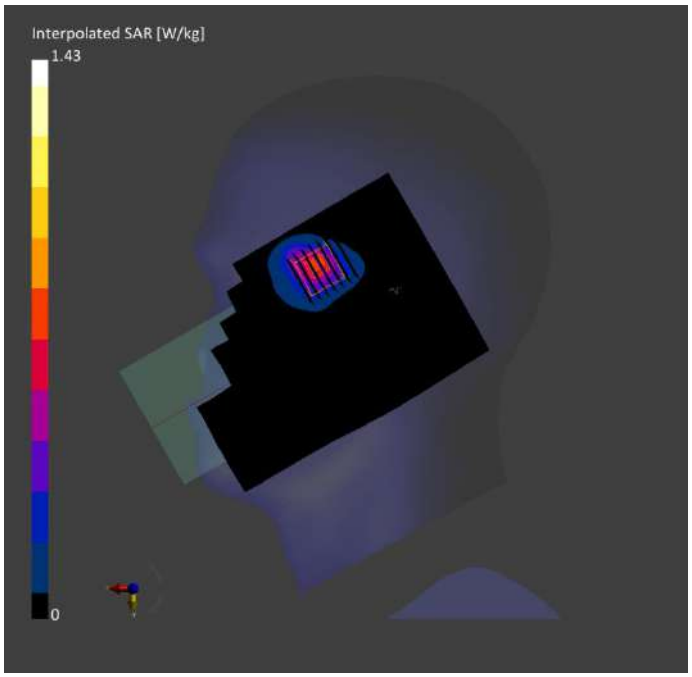
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.582	0.652
psSAR10g [W/kg]	0.278	0.290
Power Drift [dB]	0.05	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.5
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
1.43
0

Meas.68 Body Plane with Back Side 15mm on 528000 Channel in NR Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	Band n41	5G NR FR1 TDD, 10866-AAF	2640.0, 528000	7.41	2.02	38.0	22.5	21.4

Hardware Setup

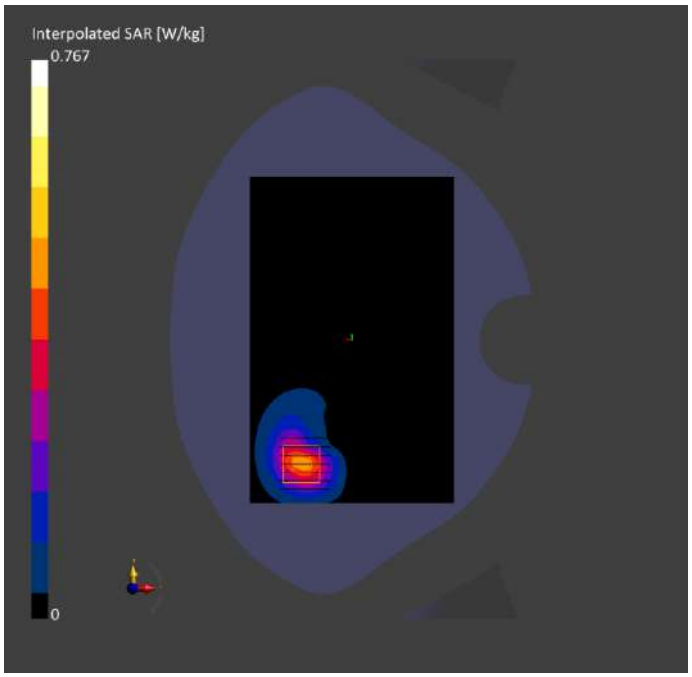
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-16	2024-05-16
psSAR1g [W/kg]	0.380	0.404
psSAR10g [W/kg]	0.186	0.197
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		10.6


Interpolated SAR [W/kg]
0.767
0

Meas.69 Body Plane with Bottom Edge 10mm on 528000 Channel in NR Band41 mode with Antenna 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE BOTTOM, 10.00	Band n41	5G NR FR1 TDD, 10866-AAF	2640.0, 528000	7.41	2.02	38.0	22.5	21.4

Hardware Setup

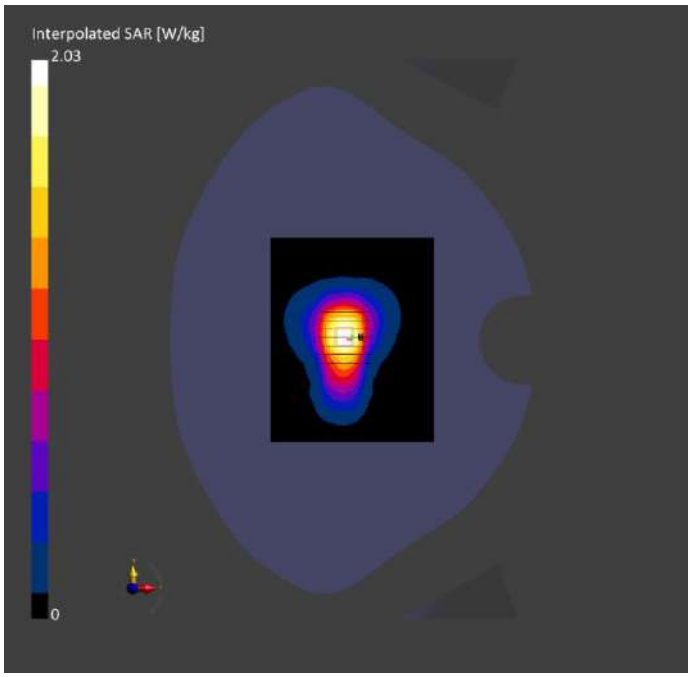
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-16	2024-05-16
psSAR1g [W/kg]	1.01	1.07
psSAR10g [W/kg]	0.516	0.547
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.5
Dist 3dB Peak [mm]		11.0


Interpolated SAR [W/kg]
2.03
0

Meas.70 Body Plane with Back Side 0mm on 528000 Channel in NR Band41 mode with Antenna 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2640.0, 528000	7.41	2.02	38.0	22.5	21.4

Hardware Setup

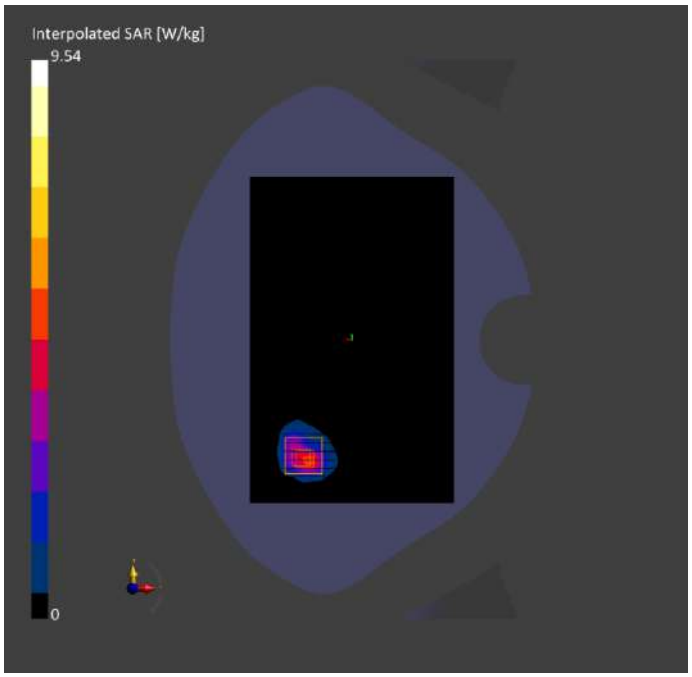
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-16	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-16	2024-05-16
psSAR1g [W/kg]	3.78	4.04
psSAR10g [W/kg]	1.60	1.61
Power Drift [dB]	0.07	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.3
Dist 3dB Peak [mm]		6.4


Interpolated SAR [W/kg]
9.54
0

Meas.71 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 9

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.0, 6	7.47	1.78	39.4	22.4	21.2

Hardware Setup

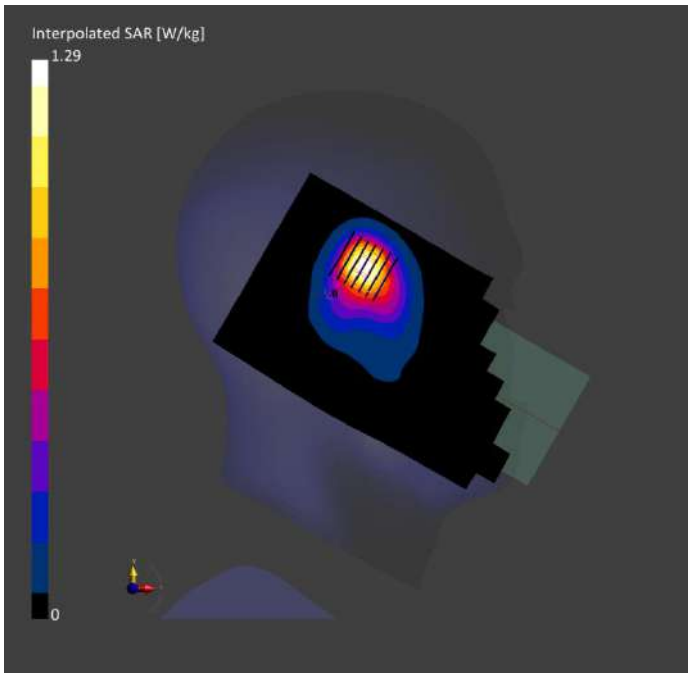
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-04	2024-05-04
psSAR1g [W/kg]	0.622	0.695
psSAR10g [W/kg]	0.323	0.351
Power Drift [dB]	0.11	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
1.29
0

Meas.72 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.0, 6	7.47	1.78	39.4	22.4	21.2

Hardware Setup

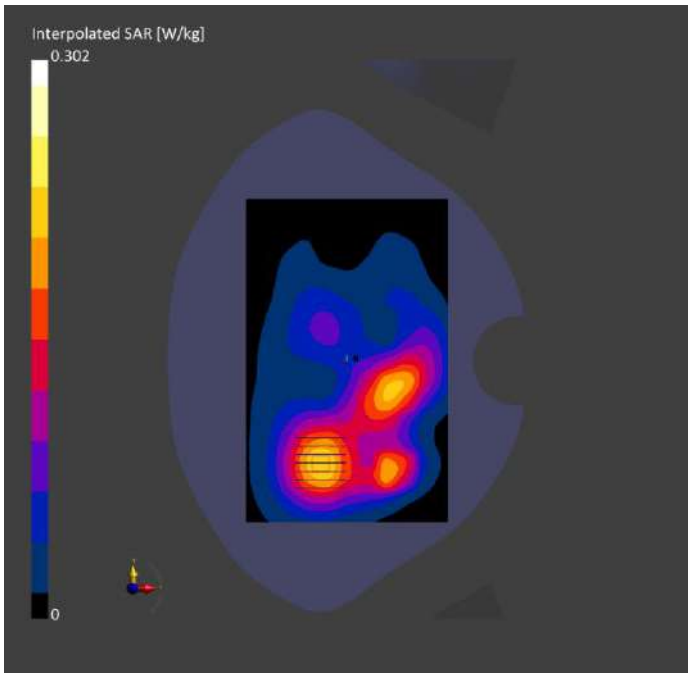
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-04	2024-05-04
psSAR1g [W/kg]	0.181	0.180
psSAR10g [W/kg]	0.104	0.115
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		> 15.0


Interpolated SAR [W/kg]
0.302
0

Meas.73 Body Plane with Left Edge 10mm on 6 Channel in IEEE802.11b mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.0, 6	7.47	1.78	39.4	22.4	21.2

Hardware Setup

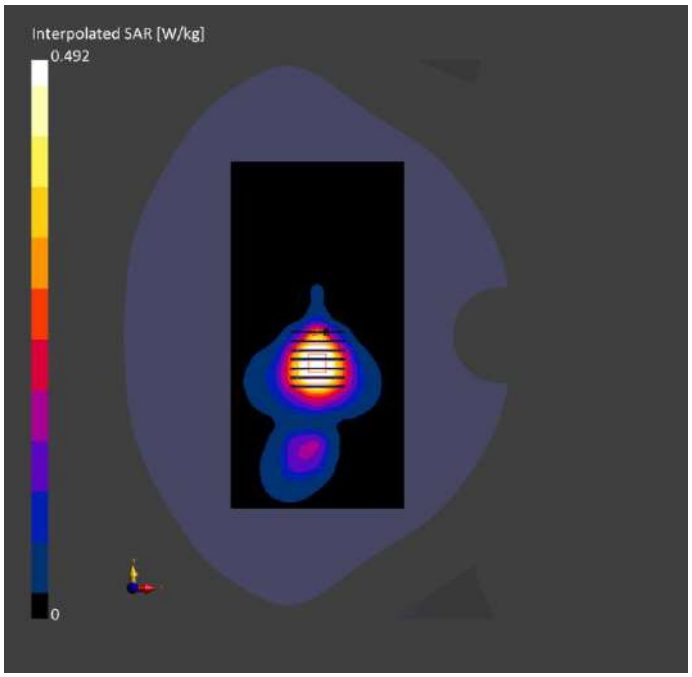
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-04	2024-05-04
psSAR1g [W/kg]	0.141	0.178
psSAR10g [W/kg]	0.102	0.112
Power Drift [dB]	0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.5
Dist 3dB Peak [mm]		11.0


Interpolated SAR [W/kg]
0.492
0

Meas.74 Body Plane with Left Edge 0mm on 6 Channel in IEEE802.11b mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.0, 6	7.47	1.78	39.4	22.4	21.2

Hardware Setup

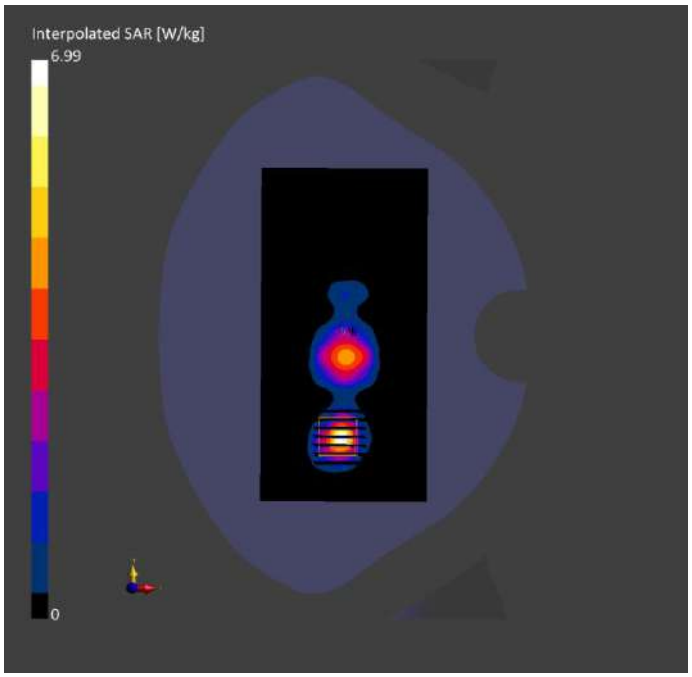
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-04	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-04	2024-05-04
psSAR1g [W/kg]	2.98	3.16
psSAR10g [W/kg]	1.18	1.25
Power Drift [dB]	-0.02	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.2
Dist 3dB Peak [mm]		7.6


Interpolated SAR [W/kg]
6.99
0

Meas.75 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10114-CAD	5270.0, 54	5.41	4.77	35.6	22.7	21.5

Hardware Setup

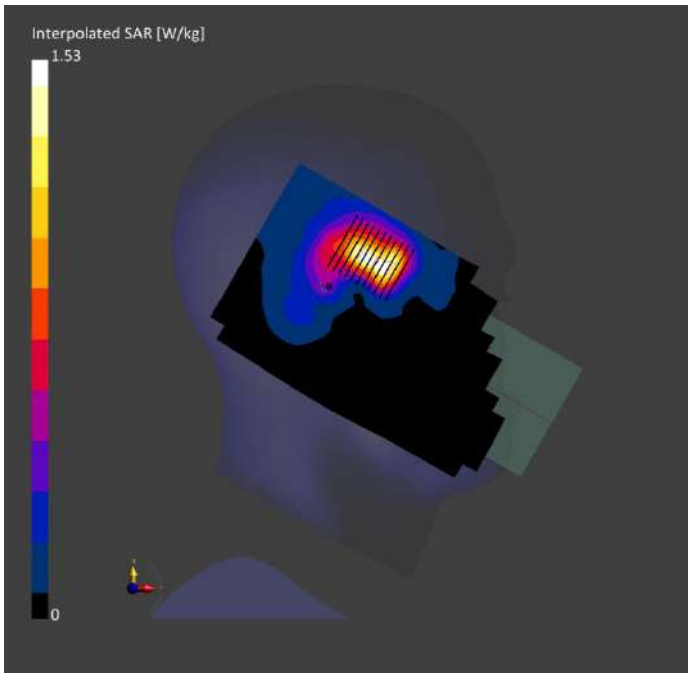
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-06	2024-05-06
psSAR1g [W/kg]	0.481	0.499
psSAR10g [W/kg]	0.197	0.225
Power Drift [dB]	-0.05	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.8
Dist 3dB Peak [mm]		9.1


Interpolated SAR [W/kg]
1.53
0

Meas.76 Left Head with Cheek on 110 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10114-CAD	5550.0, 110	4.58	5.06	36.1	22.6	21.5

Hardware Setup

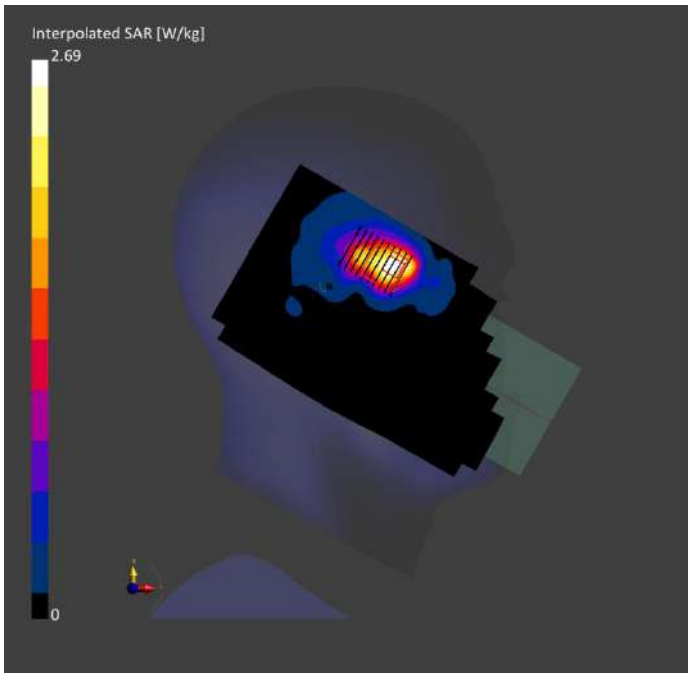
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-07	2024-05-07
psSAR1g [W/kg]	0.781	0.800
psSAR10g [W/kg]	0.307	0.343
Power Drift [dB]	-0.03	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		8.6


Interpolated SAR [W/kg]
2.69
0

Meas.77 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAC	5775.0, 155	4.78	5.21	35.5	22.4	21.3

Hardware Setup

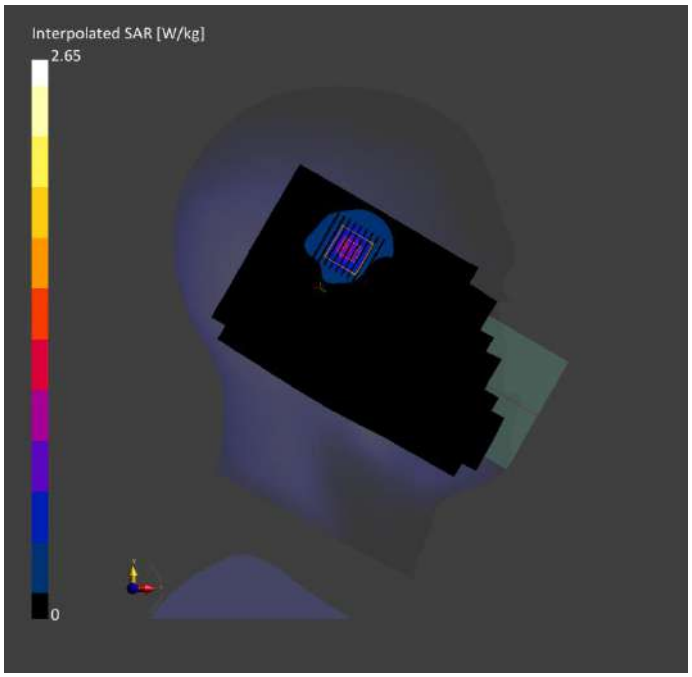
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-08	2024-05-08
psSAR1g [W/kg]	0.656	0.735
psSAR10g [W/kg]	0.244	0.282
Power Drift [dB]	-0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		8.3


Interpolated SAR [W/kg]
2.65
0

Meas.78 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10114-CAD	5270.0, 54	5.41	4.77	35.6	22.7	21.5

Hardware Setup

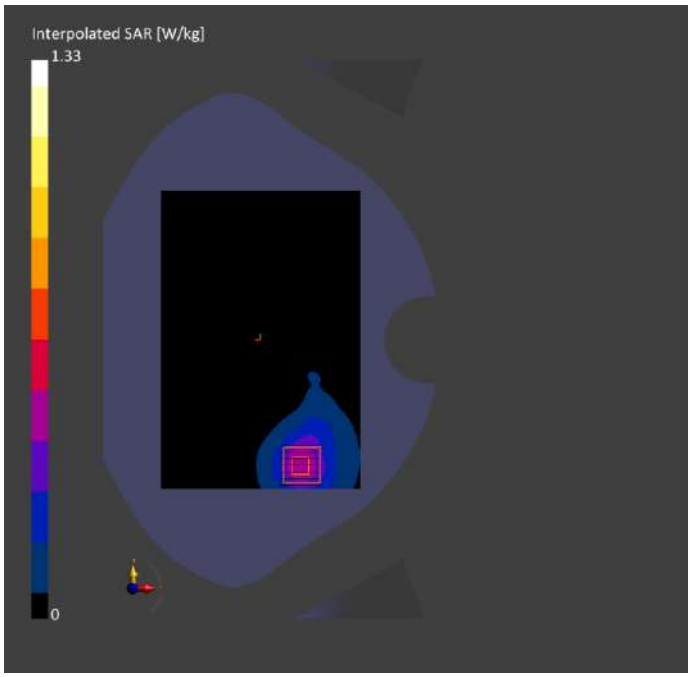
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-06	2024-05-06
psSAR1g [W/kg]	0.410	0.434
psSAR10g [W/kg]	0.174	0.194
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.4
Dist 3dB Peak [mm]		13.4


Interpolated SAR [W/kg]
1.33
0

Meas.79 Body Plane with Back Side 15mm on 110 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10114-CAD	5550.0, 110	4.58	5.06	36.1	22.6	21.5

Hardware Setup

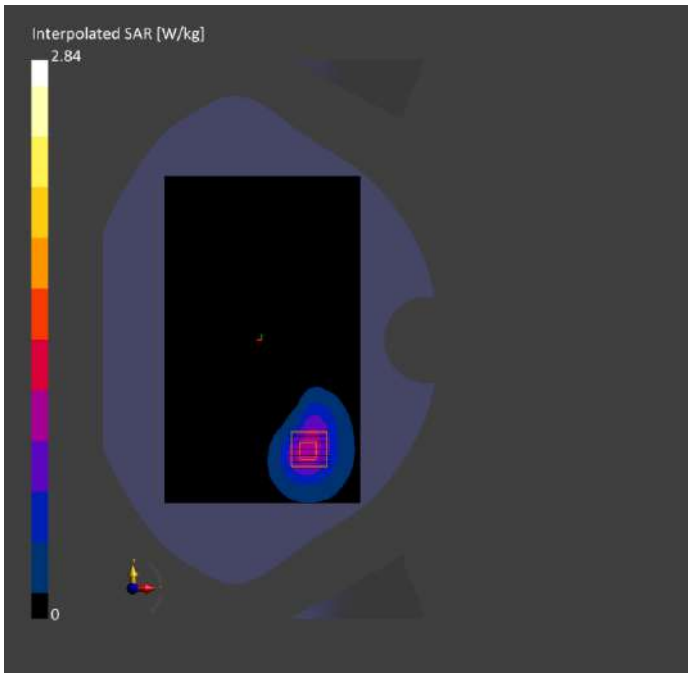
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-07	2024-05-07
psSAR1g [W/kg]	0.870	0.879
psSAR10g [W/kg]	0.359	0.380
Power Drift [dB]	-0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		12.6


Interpolated SAR [W/kg]
2.84
0

Meas.80 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	WLAN 5GHz	WLAN, 10544-AAC	5775.0, 155	4.78	5.21	35.5	22.4	21.3

Hardware Setup

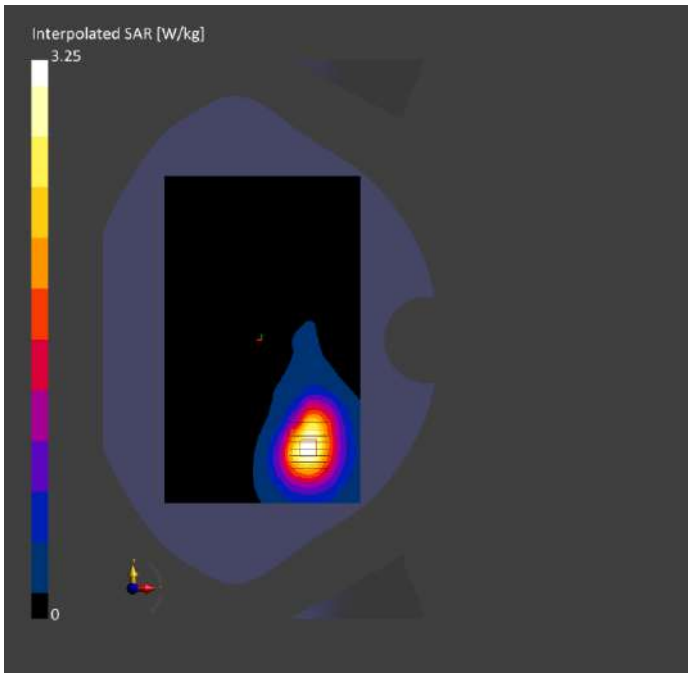
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-08	2024-05-08
psSAR1g [W/kg]	0.960	0.976
psSAR10g [W/kg]	0.390	0.413
Power Drift [dB]	0.00	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		11.1


Interpolated SAR [W/kg]
3.25
0

Meas.81 Body Plane with Back Side 10mm on 46 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10114-CAD	5230.0, 46	5.41	4.71	35.8	22.7	21.5

Hardware Setup

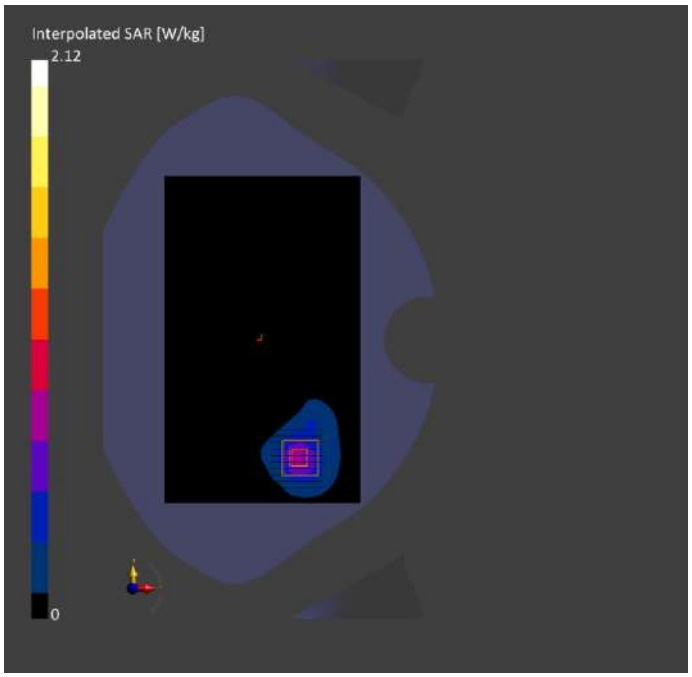
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-06	2024-05-06
psSAR1g [W/kg]	0.578	0.637
psSAR10g [W/kg]	0.222	0.248
Power Drift [dB]	-0.03	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		9.7


Interpolated SAR [W/kg]
2.12
0

Meas.82 Body Plane with Back Side 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10544-AAC	5775.0, 155	4.78	5.21	35.5	22.4	21.3

Hardware Setup

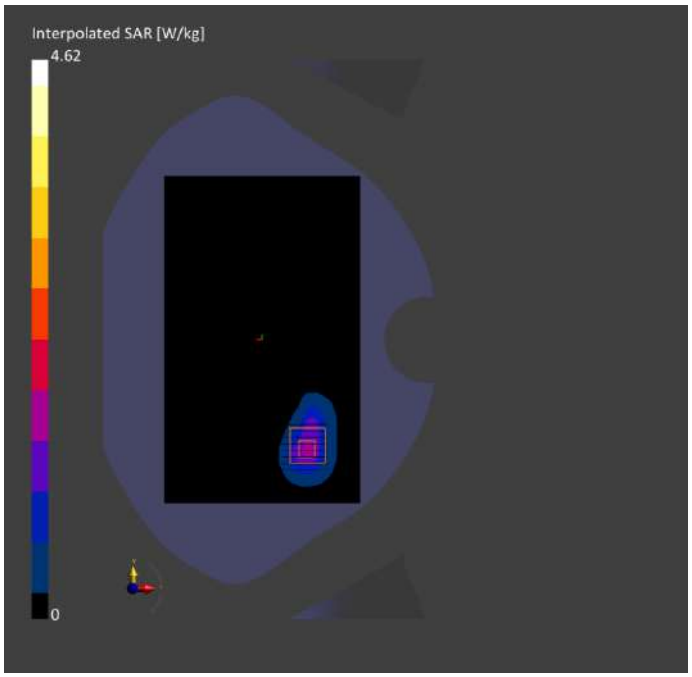
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-08	2024-05-08
psSAR1g [W/kg]	0.904	0.916
psSAR10g [W/kg]	0.295	0.305
Power Drift [dB]	0.03	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		8.2


Interpolated SAR [W/kg]
4.62
0

Meas.83 Body Plane with Back Side 0mm on 54 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10114-CAD	5270.0, 54	5.41	4.77	35.6	22.7	21.5

Hardware Setup

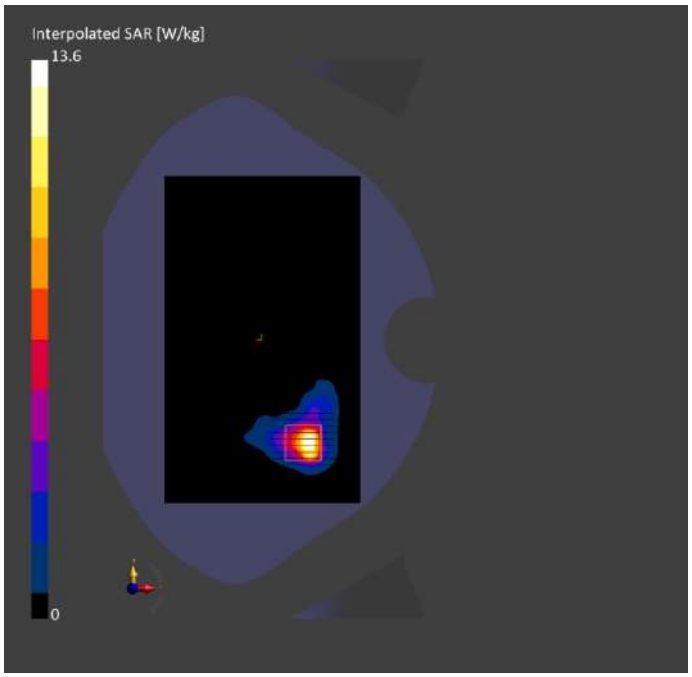
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-06	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-06	2024-05-06
psSAR1g [W/kg]	2.29	3.08
psSAR10g [W/kg]	0.743	0.813
Power Drift [dB]	0.00	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.7


Interpolated SAR [W/kg]
13.6
0

Meas.84 Body Plane with Left Edge 0mm on 110 Channel in IEEE802.11n40 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	WLAN 5GHz	WLAN, 10114-CAD	5550.0, 110	4.58	5.06	36.1	22.6	21.5

Hardware Setup

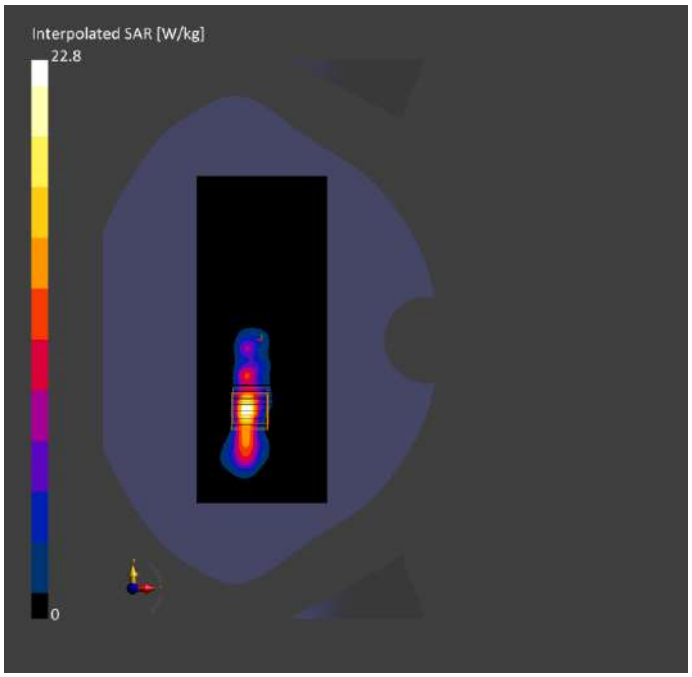
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-07	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-07	2024-05-07
psSAR1g [W/kg]	4.14	4.44
psSAR10g [W/kg]	1.10	1.07
Power Drift [dB]	0.04	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		4.0


Interpolated SAR [W/kg]
22.8
0

Meas.85 Body Plane with Back Side 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10544-AAC	5775.0, 155	4.78	5.21	35.5	22.4	21.3

Hardware Setup

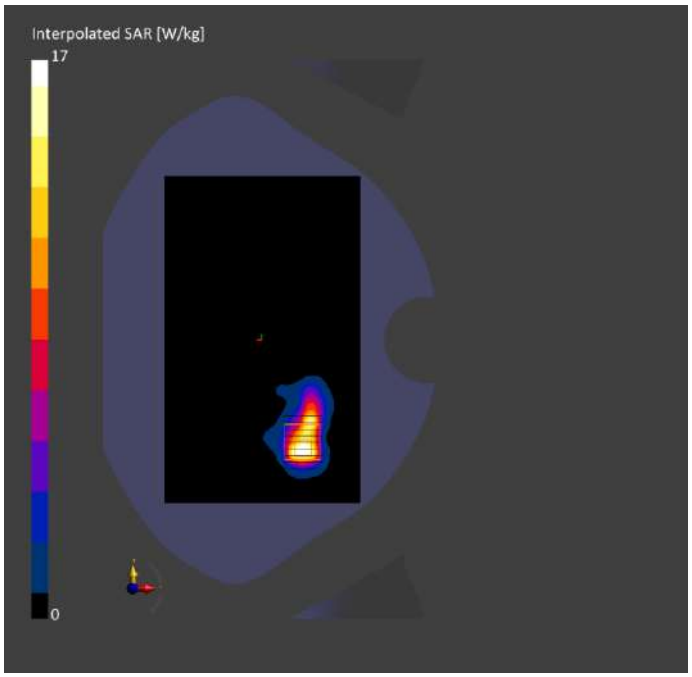
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-08	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-08	2024-05-08
psSAR1g [W/kg]	1.85	3.58
psSAR10g [W/kg]	0.630	0.798
Power Drift [dB]	-0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.1
Dist 3dB Peak [mm]		4.3


Interpolated SAR [W/kg]
17
0

Meas.86 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna MIMO

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
LeftHead, HSL	CHEEK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2480.0, 78	7.47	1.84	38.7	22.6	21.4

Hardware Setup

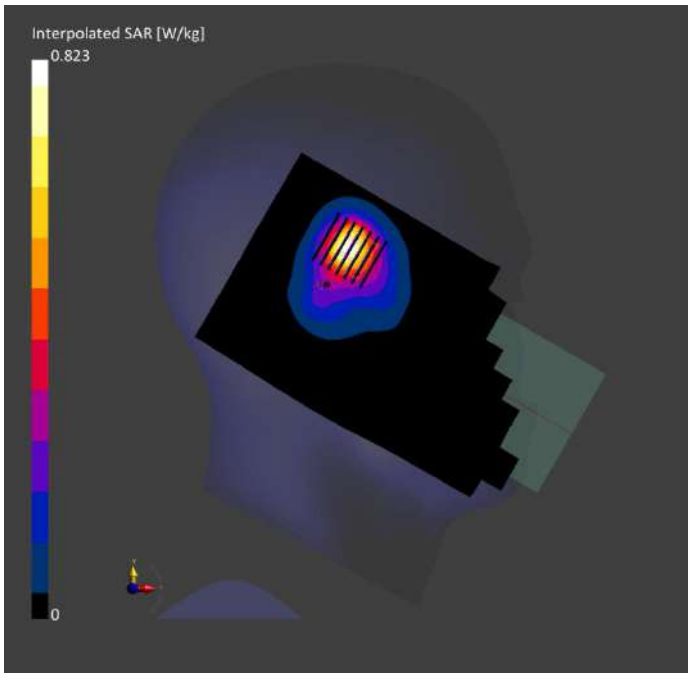
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-05	2024-05-05
psSAR1g [W/kg]	0.389	0.427
psSAR10g [W/kg]	0.189	0.206
Power Drift [dB]	0.14	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		10.0


Interpolated SAR [W/kg]
0.823
0

Meas.87 Body Plane with Back Side 15mm on 39 Channel in Bluetooth mode with Antenna 9

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	BACK, 15.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.78	39.3	22.6	21.4

Hardware Setup

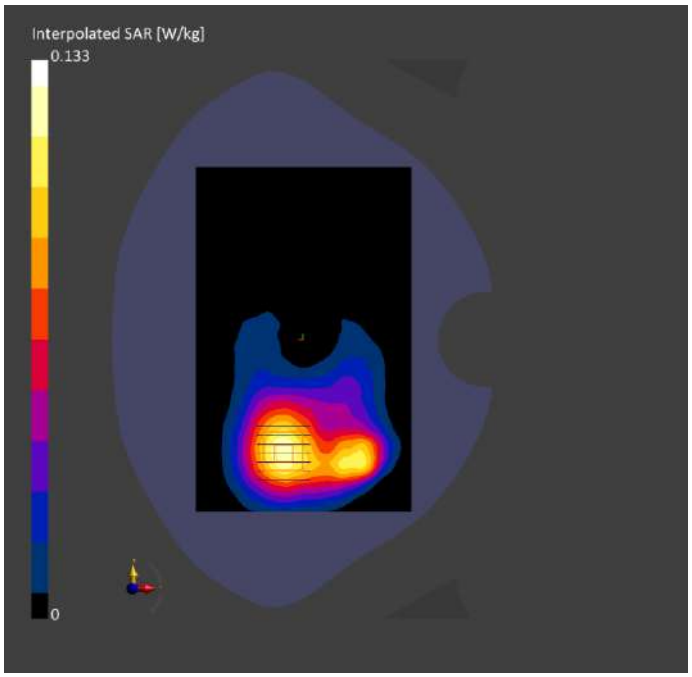
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-05	2024-05-05
psSAR1g [W/kg]	0.075	0.076
psSAR10g [W/kg]	0.042	0.042
Power Drift [dB]	0.02	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		18.4


Interpolated SAR [W/kg]
0.133
0

Meas.88 Body Plane with Left Edge 10mm on 39 Channel in Bluetooth mode with Antenna 10

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.78	39.3	22.6	21.4

Hardware Setup

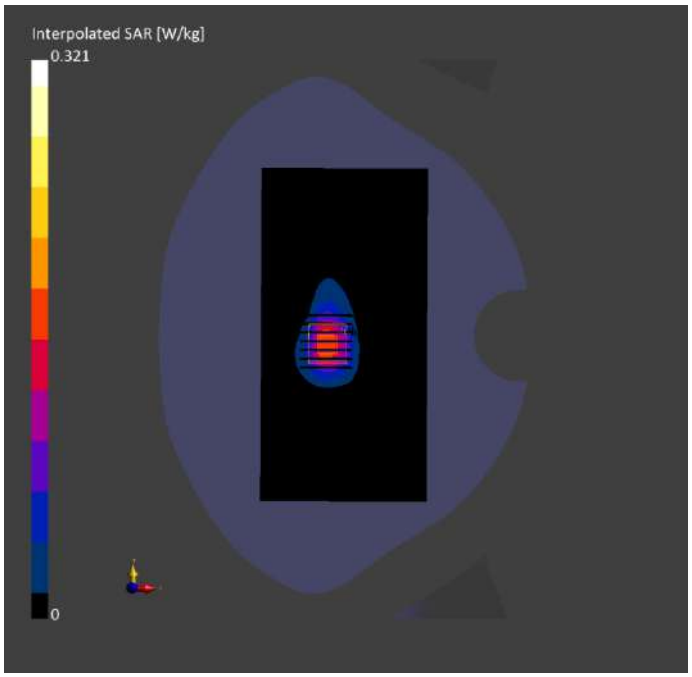
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-05	2024-05-05
psSAR1g [W/kg]	0.150	0.162
psSAR10g [W/kg]	0.072	0.074
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		9.0


Interpolated SAR [W/kg]
0.321
0

Meas.89 Body Plane with Left Edge 0mm on 39 Channel in Bluetooth mode with Antenna 10

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
Amber2024	162.0 x 75.0 x 8.0	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [℃]	Liquid Temperature [℃]
Flat, HSL	EDGE LEFT, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.47	1.78	39.3	22.6	21.4

Hardware Setup

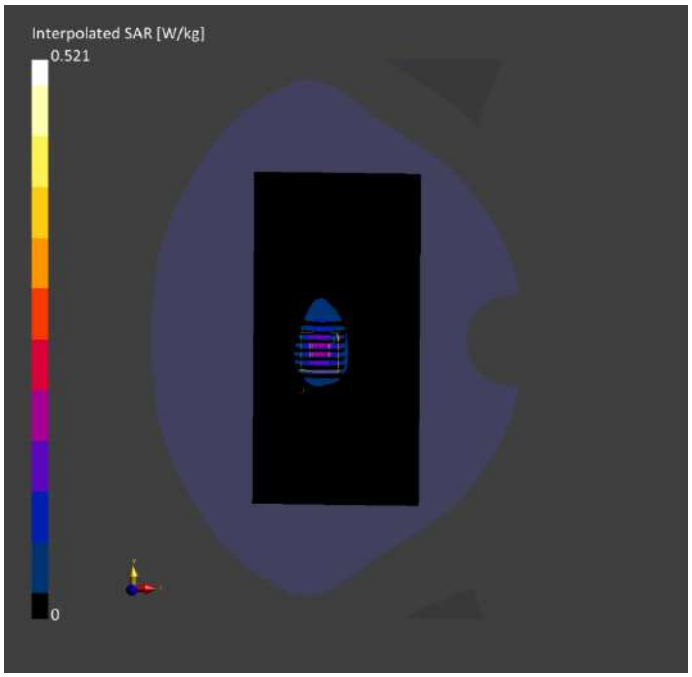
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2024-05-05	EX3DV4 - SN7607, 2023-07-04	DAE4 Sn1710, 2024-01-03

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-05	2024-05-05
psSAR1g [W/kg]	0.759	0.809
psSAR10g [W/kg]	0.322	0.350
Power Drift [dB]	0.01	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		9.3


Interpolated SAR [W/kg]
0.521
0

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2441396-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2441396-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2441396-AC.pdf”.

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