EXEMPTION FROM RF EXPOSURE EVALUATION

element
EXRPT.2021.11.01.0

OVERVIEW

With respect to the limits on human exposure to RF emissions provided in 47 CFR §1.1310, if equipment can be shown to qualify for an exemption pursuant to 47 CFR §1.1307(b)(3), an evaluation is not required.

COMPLIANCE WITH FCC 1.1310

Per 1.1307(b)(3), (i) For single RF sources (*i.e.,* any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th}(mW) = \begin{cases} ERP_{20\ cm}(d/20\ cm)^x & d \leq 20\ cm \\ ERP_{20\ cm} & 20\ cm\ < d\ \leq 40\ cm \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right)\ and\ f\ is\ in\ GHz;$$

And

$$ERP_{20\ cm}(mW) = \begin{cases} 2040f & 0.3\ GHz\ \leq f\ < 1.5\ GHz \\ 3060 & 1.5\ GHz\ \leq f\ \leq 6\ GHz \end{cases}$$

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least λ/2π, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of λ/4 or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

TABLE 1 TO §1.1307(b)(3)(i)(C)—SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	1,920 R^2.
1.34-30	3,450 R^2/f^2.
30-300	3.83 R^2.
300-1,500	0.0128 R^2f.
1,500-100,000	19.2R^2.

(ii) For multiple RF sources: Multiple RF sources are exempt if:

(A) The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

(B) in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^{a} \frac{P_i}{P_{th,i}} + \sum_{j=1}^{b} \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c} \frac{Evaluated_k}{Exposure\ Limit_k} \leq 1$$

Where:

a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(B) of this section for P_{th}, including existing exempt transmitters and those being added.

b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added.

c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters.

P_i = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source *i* at a distance between 0.5 cm and 40 cm (inclusive).

$P_{th,i}$ = the exemption threshold power (P_{th}) according to paragraph (b)(3)(i)(B) of this section for fixed, mobile, or portable RF source *i.*

ERP_j = the ERP of fixed, mobile, or portable RF source *j.*

$ERP_{th,j}$ = exemption threshold ERP for fixed, mobile, or portable RF source *j,* at a distance of at least λ/2π according to the applicable formula of paragraph (b)(3)(i)(C) of this section.

$Evaluated_k$ = the maximum reported SAR or MPE of fixed, mobile, or portable RF source *k* either in the device or at the transmitter site from an existing evaluation at the location of exposure.

$Exposure\ Limit_k$ = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source *k,* as applicable from §1.1310

The relationship between EIRP and ERP is:

$$ERP\ (dBm) = EIRP\ (dBm) - 2.14\ dB$$

Where EIRP is the sum of the conducted power (dBm) and the antenna gain (dBi).

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ASSESSMENT

The exemption from RF exposure evaluation is summarized in the following table(s):

Radio	Transmit Frequency (MHz)	Max. Conducted Output Power	Duty Cycle	Antenna Assembly Gain (dBi)	Minimum Separation Distance (cm)	Calculated Radiated Exposure Power (mW) ERP	Calculated Conducted Exposure Power (mW)	Limit (mW)	Compliant
BT	2402	11.7 dBm	100.0%	-0.6	1.3	7.9	14.8	17.1	Yes
802.11: U-NII-3	5785	16.5 dBm	100.0%	4.5	3.5	76.8	44.7	80.3	Yes
802.11: U-NII-2C	5550	15 dBm	100.0%	4.5	2.9	54.3	31.6	55.2	Yes
802.11: U-NII-2A	5270	14 dBm	100.0%	4.5	2.6	43.2	25.1	45.0	Yes
802.11: U-NII-1	5180	16 dBm	100.0%	4.5	3.2	68.4	39.8	69.6	Yes
802.11: 2.4	2412	16.5 dBm	100.0%	-0.6	2.2	23.7	44.7	46.3	Yes

The information in the table above was obtained from:

The rated value was used in these calculations. The user manual for FCC ID Z64-WL18DBMOD, which refers to the WL18xxMOD WiLink Data Sheet SWRS170 for electrical characteristics, and client supplied information.

Radio	Transmit Frequency (MHz)	Conducted Output Power	Power Tolerance (dB)	Duty Cycle	Antenna Assembly Gain (dBi)	Minimum Separation Distance (cm)	Calculated Radiated Exposure Power (mW) ERP	Calculated Conducted Exposure Power (mW)	Limit (mW)	Compliant
Cellular: WCDMA Band V	826.4	24 dBm	1	100.0%	1	6.1	242.7	316.2	317.0	Yes
Cellular: WCDMA Band IV	1712.4	24 dBm	1	100.0%	3.4	6.8	421.8	316.2	427.5	Yes
Cellular: WCDMA Band II	1852.4	24 dBm	1	100.0%	3.4	6.9	421.8	316.2	431.2	Yes
Cellular: LTE B71	665.5	23 dBm	0.5	100.0%	1	4.9	171.9	223.9	228.7	Yes
Cellular: LTE B66	1710.7	23 dBm	0.5	100.0%	3.4	5.6	298.6	223.9	300.1	Yes
Cellular: LTE B5	824.7	23 dBm	0.5	100.0%	1	4.8	171.9	223.9	226.2	Yes
Cellular: LTE B4	1710.7	23 dBm	0.5	100.0%	3.4	5.6	298.6	223.9	300.1	Yes
Cellular: LTE B2	1850.7	23 dBm	0.5	100.0%	3.4	5.7	298.6	223.9	303.4	Yes
Cellular: LTE B14	790.5	23 dBm	0.5	100.0%	1	4.8	171.9	223.9	225.6	Yes
Cellular: LTE B13	779.5	23 dBm	0.5	100.0%	1	4.8	171.9	223.9	225.3	Yes
Cellular: LTE B12	669.7	23 dBm	0.5	100.0%	1	4.9	171.9	223.9	228.9	Yes

The information in the table above was obtained from:

The rated value was used in these calculations. Data sheet for FCC ID RI7LE910CXNF and client supplied information.

Evaluator: Kyle McMullan

APPLICATION TO DEVICE UNDER TEST

Per the manufacturer, the separation distance between the Bluetooth radiator and any part of the body is at least 1.35 cm. Therefore, the Bluetooth radio passes SAR Test Exclusion.

Per the manufacturer, the separation distance between the either of the two 802.11b/g/n radiators and the left and the right side of the device is at least 14.73 cm and 10.27 cm respectively. Therefore, for the 802.11b/g/n radio the left and right sides of the device pass SAR Test Exclusion.

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Per the manufacturer, the separation distance between the 802.11a/n radiator and the left and the right side of the device is at least 14.73 cm and 15.26 cm respectively. Therefore, for the 802.11a/n radio the left and right sides of the device pass SAR Test Exclusion.

Per the manufacturer, the separation distance between the cellular antenna and the right side of the device is at least 30.99 cm. Therefore, for the cellular radio the right side of the device passes SAR Test Exclusion.

Drawings with dimensions supporting the separation distances above are provided in the photos report. The drawings have been provided by the manufacturer via Kyujin Choi.

SAR TEST DATA

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EUT:	LP35 Monitor/Defibrillator (With Modem)	Work Order:	PHYS1087
Customer:	Stryker	Job Site:	MN11
Attendees:	None	Customer Project:	None

TEST SPECIFICATIONS

Specification	Test Method
FCC 2.1093:2021	IEEE Std 1528:2013 FCC KDB 865664 D01 v01r04 FCC KDB 865664 D02 v01r02 FCC KDB 447498 D01 v06 KDB 248227 D01 v02r02 KDB 941225 D01 v03r01 KDB 941225 D05 v02r05

DEVIATIONS FROM TEST STANDARD

None

SCALING FACTORS

Radio	Modulation	Channel	EUT Power (dBm)	Max Power (dBm)	Max Power Scaling Factor[1]	Test Mode Duty Cycle (%)	Max. Operational Duty Cycle (%)	Scaling Factor[2]
Wi-Fi 2.4 GHz SISO	802.11b 1Mbps	1	15.5	16	1.12	100	100	1.12
		6	15.8	16	1.05	100	100	1.05
		11	16.0	16	1.00	100	100	1.00
Wi-Fi 2.4 GHz MIMO	802.11n MCS12 HT20	1	15.6	16.5	1.23	100	100	1.23
		6	16.4	16.5	1.02	100	100	1.02
		11	15.7	16.5	1.20	100	100	1.20
Wi-Fi U-NII-1	802.11a 6Mbps	36	14.5	16	1.41	100	100	1.41
		44	14.4	16	1.45	100	100	1.45
		48	14.2	16	1.51	100	100	1.51
Wi-Fi U-NII-2C	802.11a 6Mbps	100	12.5	15	1.78	100	100	1.78
		140	10.6	13	1.74	100	100	1.74
	802.11n MCS0 HT40	110	12.6	15	1.74	100	100	1.74
Wi-Fi U-NII-3	802.11a 6Mbps	149	10.5	11	1.12	100	100	1.12
		157	15.7	16.5	1.20	100	100	1.20
		165	13.0	15	1.58	100	100	1.58
WCDMA Band II	Rel-99 12.2kbps RMC	9262	24.1	25	1.23	100	100	1.23
	Rel-99 12.2kbps RMC	9400	24.1	25	1.23	100	100	1.23
	Rel-99 12.2kbps RMC	9538	24.4	25	1.15	100	100	1.15
WCDMA Band IV	Rel-99 12.2kbps RMC	1312	24.2	25	1.20	100	100	1.20
	Rel-99 12.2kbps RMC	1413	24.4	25	1.15	100	100	1.15
	Rel-99 12.2kbps RMC	1513	24.3	25	1.17	100	100	1.17
WCDMA Band V	Rel-99 12.2kbps RMC	4132	23.8	25	1.32	100	100	1.32
	Rel-99 12.2kbps RMC	4183	23.7	25	1.35	100	100	1.35
	Rel-99 12.2kbps RMC	4233	23.8	25	1.32	100	100	1.32
LTE Band 2	20 MHz BW, 1 RB @99, QPSK	19100	22.9	23.5	1.15	100	100	1.15
	20 MHz BW, 50 RB @49, QPSK	19100	23.0	23.5	1.12	100	100	1.12
	20 MHz BW, 1 RB @99, QPSK	18700	22.7	23.5	1.20	100	100	1.20
	20 MHz BW, 1 RB @99, QPSK	18900	22.4	23.5	1.29	100	100	1.29
LTE Band 5	10 MHz BW, 1 RB @49, QPSK	20450	23.2	23.5	1.07	100	100	1.07
	10 MHz BW, 25 RB @0, QPSK	20450	23.2	23.5	1.07	100	100	1.07
	10 MHz BW, 1 RB @49, QPSK	20525	22.6	23.5	1.23	100	100	1.23
	10 MHz BW, 1 RB @49, QPSK	20600	22.6	23.5	1.23	100	100	1.23
LTE Band 12	10 MHz BW, 1 RB @0, QPSK	23060	22.9	23.5	1.15	100	100	1.15
	10 MHz BW, 25 RB @24, QPSK	23130	21.8	23.5	1.48	100	100	1.48
	10 MHz BW, 1 RB @0, QPSK	23095	21.7	23.5	1.51	100	100	1.51
	10 MHz BW, 1 RB @0, QPSK	23130	21.7	23.5	1.51	100	100	1.51
LTE Band 13	10 MHz BW, 1 RB @24, QPSK	23230	23.0	23.5	1.12	100	100	1.12
	10 MHz BW, 25 RB @12, QPSK	23230	22.9	23.5	1.15	100	100	1.15
LTE Band 14	10 MHz BW, 1 RB @49, QPSK	23330	23.2	23.5	1.07	100	100	1.07
	10 MHz BW, 25 RB @24, QPSK	23330	23.3	23.5	1.05	100	100	1.05
LTE Band 66	20 MHz BW, 1 RB @99, QPSK	132322	22.4	23.5	1.29	100	100	1.29
	20 MHz BW, 50 RB @0, QPSK	132322	22.4	23.5	1.29	100	100	1.29
	20 MHz BW, 1 RB @99, QPSK	132072	22.2	23.5	1.35	100	100	1.35
	20 MHz BW, 1 RB @99, QPSK	132572	22.0	23.5	1.41	100	100	1.41
LTE Band 71	20 MHz BW, 1 RB @0, QPSK	133372	23.4	23.5	1.02	100	100	1.02
	20 MHz BW, 50 RB @24, QPSK	133372	23.5	23.5	1.00	100	100	1.00
	20 MHz BW, 1 RB @0, QPSK	133222	23.1	23.5	1.10	100	100	1.10
	20 MHz BW, 1 RB @0, QPSK	133297	23.1	23.5	1.10	100	100	1.10

1: Max power scaling factor = 10^((Max Power (dBm) - Measured Power (dBm)) / 10)
2: Scaling factor = Max power scaling factor * Max Operational Duty Cycle / Test Mode Duty Cycle. This value is applied to the measured 1g and 10g SAR values.

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RESULTS – Wi-Fi

Radio and Band	Transmit Freq. (MHz)	EUT Position	EUT Channel	Modulation	SAR Drift (%)	Measured Values (mW/g)		Scaling Factor	Scaled (mW/g) Values		Test Run Name
						1g	10g		1g	10g	
Wi-Fi 2.4 GHz SISO	2462	Front	11	802.11b 1Mbps	-4.11	0.02	0.01	1.00	0.02	0.01	Wi-Fi SISO 2462 Front 1
	2462	Back	11	802.11b 1Mbps	-3.71	0.01	0.01	1.00	0.01	0.01	Wi-Fi SISO 2462 Back 1
	2462	Top	11	802.11b 1Mbps	-0.41	0.22	0.10	1.00	0.22	0.10	Wi-Fi SISO 2462 Top 1
	2412	**Top**	**1**	**802.11b 1Mbps**	**-0.69**	**0.38**	**0.20**	**1.12**	**0.43**	**0.22**	**Wi-Fi SISO 2412 Top 1**
	2437	Top	6	802.11b 1Mbps	-0.26	0.33	0.17	1.05	0.35	0.18	Wi-Fi SISO 2437 Top 1
Wi-Fi 2.4 GHz MIMO	2437	Front	6	802.11n MCS12 HT20	0.00	0.01	0.01	1.02	0.01	0.01	Wi-Fi MIMO 2437 Front 1
	2437	Back	6	802.11n MCS12 HT20	0.00	0.01	0.01	1.02	0.01	0.01	Wi-Fi MIMO 2437 Back 1
	2437	**Top**	**6**	**802.11n MCS12 HT20**	**0.69**	**0.16**	**0.08**	**1.02**	**0.16**	**0.08**	**Wi-Fi MIMO 2437 Top 1**
	2412	Top	1	802.11n MCS12 HT20	0.00	0.08	0.04	1.23	0.10	0.05	Wi-Fi MIMO 2412 Top 1
	2462	Top	11	802.11n MCS12 HT20	3.92	0.06	0.03	1.20	0.07	0.04	Wi-Fi MIMO 2462 Top 1
Wi-Fi U-NII-1	5180	Top	36	802.11a 6Mbps	-3.43	0.51	0.18	1.41	0.71	0.26	U-NII-1 5180 Top 1
	5180	Front	36	802.11a 6Mbps	0.00	N/A[1]	N/A[1]	1.41	N/A[1]	N/A[1]	U-NII-1 5180 Front 1
	5180	Back	36	802.11a 6Mbps	0.00	0.01	0.01	1.41	0.01	0.01	U-NII-1 5180 Back 1
	5220	Top	44	802.11a 6Mbps	0.41	0.51	0.18	1.45	0.75	0.26	U-NII-1 5220 Top 1
	5240	**Top**	**48**	**802.11a 6Mbps**	**-3.17**	**0.56**	**0.20**	**1.51**	**0.84**	**0.30**	**U-NII-1 5240 Top 1**
Wi-Fi U-NII-2C	5500	Front	110	802.11n MCS0 HT40	0.00	0.08	0.03	1.74	0.14	0.05	U-NII-2C 5500 Front 1
	5500	Back	110	802.11n MCS0 HT40	0.00	N/A[1]	N/A[1]	1.74	N/A[1]	N/A[1]	U-NII-2C 5500 Back 1
	5500	Top	110	802.11n MCS0 HT40	0.17	0.46	0.16	1.74	0.80	0.28	U-NII-2C 5500 Top 1
	5580	**Top**	**100**	**802.11a 6Mbps**	**-0.23**	**0.67**	**0.25**	**1.78**	**1.19**	**0.45**	**U-NII-2C 5580 Top 1**
	5700	Top	140	802.11a 6Mbps	0.00	0.27	0.10	1.74	0.47	0.17	U-NII-2C 5700 Top 1
Wi-Fi U-NII-3	5785	Front	157	802.11a 6Mbps	0.15	0.06	0.03	1.20	0.07	0.04	U-NII-3 5785 Front 1
	5785	Back	157	802.11a 6Mbps	0.00	0.01	0.01	1.20	0.01	0.01	U-NII-3 5785 Back 1
	5785	**Top**	**157**	**802.11a 6Mbps**	**-0.00**	**0.63**	**0.25**	**1.20**	**0.76**	**0.30**	**U-NII-3 5785 Top 1**
	5745	Top	149	802.11a 6Mbps	0.00	0.29	1.20	1.12	0.32	1.34	U-NII-3 5745 Top 1
	5825	Top	165	802.11a 6Mbps	-4.50	0.36	0.13	1.58	0.57	0.21	U-NII-3 5825 Top 1

1: The signal is lower than the probe could measure. The SAR probe is capable of measurements down to 0.010 mW/g.

RESULTS – WCDMA

Band	Transmit Freq. (MHz)	EUT Position	EUT Channel	Mode	Subtest	SAR Drift (%)	Measured Values (mW/g)		Scaling Factor	Scaled (mW/g) Values		Test Run Name
							1g	10g		1g	10g	
Band II	1907.6	Front	9538	Rel-99	N/A	-4.76	0.02	0.01	1.15	0.02	0.01	Band II 1907.6 Front Rel-99 1
	1907.6	**Back**	**9538**	**Rel-99**	**N/A**	**-1.14**	**0.45**	**0.27**	**1.15**	**0.52**	**0.31**	**Band II 1907.6 Back Rel-99 1**
	1907.6	Left	9538	Rel-99	N/A	0.00	0.06	0.04	1.15	0.07	0.05	Band II 1907.6 Left Rel-99 1
	1907.6	Top	9538	Rel-99	N/A	-1.52	0.06	0.04	1.15	0.07	0.05	Band II 1907.6 Top Rel-99 1
	1852.4	Back	9262	Rel-99	N/A	-0.74	0.36	0.22	1.23	0.44	0.27	Band II 1852.4 Back Rel-99 1
	1880	Back	9400	Rel-99	N/A	-0.40	0.44	0.26	1.23	0.54	0.32	Band II 1880 Back Rel-99 1
Band IV	1732.6	Front	1413	Rel-99	N/A	0.00	0.01	0.01	1.15	0.01	0.01	Band IV 1732.6 Front Rel-99 1
	1732.6	Back	1413	Rel-99	N/A	1.85	0.05	0.03	1.15	0.06	0.03	Band IV 1732.6 Back Rel-99 1
	1732.6	Left	1413	Rel-99	N/A	-2.86	0.04	0.02	1.15	0.05	0.02	Band IV 1732.6 Left Rel-99 1
	1732.6	Top	1413	Rel-99	N/A	0.00	0.02	0.01	1.15	0.02	0.01	Band IV 1732.6 Top Rel-99 1
	1712.4	Back	1312	Rel-99	N/A	-1.23	0.08	0.05	1.20	0.10	0.06	Band IV 1712.4 Back Rel-99 1
	1752.6	**Back**	**1513**	**Rel-99**	**N/A**	**1.16**	**0.09**	**0.06**	**1.17**	**0.11**	**0.07**	**Band IV 1752.6 Back Rel-99 1**
Band V	846.6	Front	4233	Rel-99	N/A	0.00	0.02	0.01	1.32	0.03	0.01	Band V 846.6 Front Rel-99 1
	846.6	**Back**	**4233**	**Rel-99**	**N/A**	**-1.37**	**0.33**	**0.24**	**1.32**	**0.45**	**0.32**	**Band V 846.6 Back Rel-99 1**
	846.6	Left	4233	Rel-99	N/A	1.22	0.08	0.06	1.32	0.11	0.08	Band V 846.6 Left Rel-99 1
	846.6	Top	4233	Rel-99	N/A	0.00	0.01	0.01	1.32	0.01	0.01	Band V 846.6 Top Rel-99 1
	826.4	Back	4132	Rel-99	N/A	0.86	0.33	0.24	1.32	0.44	0.32	Band V 826.4 Back Rel-99 1
	836.6	Back	4183	Rel-99	N/A	-1.39	0.26	0.19	1.35	0.35	0.26	Band V 836.6 Back Rel-99 1

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RESULTS – LTE

Radio and Band	EUT Position	Band-width (MHz)	RB	Transmit Freq. (MHz)	EUT Channel	RB Start	Mod.	SAR Drift (%)	Measured Values (mW/g)		Scaling Factor	Scaled (mW/g) Values		Test Run Name
									1g	10g		1g	10g	
LTE B2	Front	20	1	1900	19100	99	QPSK	1.35	0.01	0.01	1.15	0.01	0.01	LTE B2 1900 Front 1RB 1
			50	1900	19100	49	QPSK	-1.69	0.01	0.01	1.12	0.01	0.01	LTE B2 1900 Front 50RB 1
	Back	20	**1**	**1900**	**19100**	**99**	**QPSK**	**0.93**	**0.66**	**0.40**	**1.15**	**0.76**	**0.46**	**LTE B2 1900 Back 1RB 1**
			50	1900	19100	49	QPSK	0.13	0.66	0.38	1.12	0.74	0.43	LTE B2 1900 Back 50RB 1
	Left	20	1	1900	19100	99	QPSK	2.47	0.08	0.05	1.15	0.09	0.06	LTE B2 1900 Left 1RB 1
			50	1900	19100	49	QPSK	-1.69	0.06	0.03	1.12	0.07	0.03	LTE B2 1900 Left 50RB 1
	Top	20	1	1900	19100	99	QPSK	0.00	N/A[1]	N/A[1]	1.15	N/A[1]	N/A[1]	LTE B2 1900 Top 1RB 1
			50	1900	19100	49	QPSK	0.00	0.02	0.01	1.12	0.02	0.01	LTE B2 1900 Top 50RB 1
	Back	20	1	1860	18700	99	QPSK	0.76	0.12	0.08	1.20	0.14	0.10	LTE B2 1860 Back 1RB 1
	Back	20	1	1880	18900	99	QPSK	-0.81	0.12	0.07	1.29	0.15	0.09	LTE B2 1880 Back 1RB 1
LTE B5	Front	10	1	829	20450	49	QPSK	2.63	0.01	0.01	1.07	0.01	0.01	LTE B5 829 Front 1RB 1
			25	829	20450	0	QPSK	0.00	0.01	0.01	1.07	0.01	0.01	LTE B5 829 Front 25RB 1
	Back	10	1	829	20450	49	QPSK	0.74	0.16	0.12	1.07	0.17	0.13	LTE B5 829 Back 1RB 1
			25	829	20450	0	QPSK	0.00	0.13	0.09	1.07	0.14	0.10	LTE B5 829 Back 25RB 1
	Left	10	1	829	20450	49	QPSK	0.00	0.06	0.04	1.07	0.06	0.04	LTE B5 829 Left 1RB 1
			25	829	20450	0	QPSK	0.00	0.05	0.03	1.07	0.05	0.03	LTE B5 829 Left 25RB 1
	Top	10	1	829	20450	49	QPSK	0.00	0.01	0.01	1.07	0.01	0.01	LTE B5 829 Top 1RB 1
			25	829	20450	0	QPSK	-1.85	0.01	0.01	1.07	0.01	0.01	LTE B5 829 Top 25RB 1
	Back	10	1	836.5	20525	49	QPSK	1.35	0.20	0.15	1.23	0.25	0.18	LTE B5 836.5 Back 1RB 1
	Back	10	**1**	**844**	**20600**	**49**	**QPSK**	**-2.50**	**0.27**	**0.19**	**1.23**	**0.33**	**0.23**	**LTE B5 844 Back 1RB 1**
LTE B12	Front	10	1	704	23060	0	QPSK	0.00	0.01	0.01	1.15	0.01	0.01	LTE B12 704 Front 1RB 1
			25	711	23130	24	QPSK	0.00	0.01	0.01	1.48	0.01	0.01	LTE B12 711 Front 25RB 1
	Back	10	**1**	**704**	**23060**	**0**	**QPSK**	**-1.83**	**0.22**	**0.16**	**1.15**	**0.25**	**0.18**	**LTE B12 704 Back 1RB 1**
			25	711	23130	24	QPSK	0.00	0.17	0.12	1.48	0.25	0.18	LTE B12 711 Back 25RB 1
	Left	10	1	704	23060	0	QPSK	4.89	0.02	0.01	1.15	0.02	0.01	LTE B12 704 Left 1RB 1
			25	711	23130	24	QPSK	0.00	0.02	0.01	1.48	0.03	0.01	LTE B12 711 Left 25RB 1
	Top	10	1	704	23060	0	QPSK	2.73	0.01	0.01	1.15	0.01	0.01	LTE B12 704 Top 1RB 1
			25	711	23130	24	QPSK	-4.00	0.01	0.01	1.48	0.01	0.01	LTE B12 711 Top 25RB 1
	Back	10	1	707.5	23095	0	QPSK	-1.79	0.10	0.08	1.51	0.15	0.12	LTE B12 707.5 Back 1RB 1
	Back	10	1	706	23130	0	QPSK	0.00	0.12	0.08	1.51	0.18	0.12	LTE B12 706 Back 1RB 1
LTE B13	Front	10	1	782	23230	24	QPSK	0.00	0.01	0.01	1.12	0.01	0.01	LTE B13 782 Front 1RB 1
			25	782	23230	12	QPSK	0.00	0.01	0.01	1.15	0.01	0.01	LTE B13 782 Front 25RB 1
	Back	10	**1**	**782**	**23230**	**24**	**QPSK**	**2.80**	**0.25**	**0.18**	**1.12**	**0.28**	**0.20**	**LTE B13 782 Back 1RB 1**
			25	782	23230	12	QPSK	0.00	0.20	0.14	1.15	0.23	0.16	LTE B13 782 Back 25RB 1
	Left	10	1	782	23230	24	QPSK	0.00	0.02	0.01	1.12	0.02	0.01	LTE B13 782 Left 1RB 1
			25	782	23230	12	QPSK	0.00	0.01	0.01	1.15	0.01	0.01	LTE B13 782 Left 25RB 1
	Top	10	1	782	23230	24	QPSK	0.00	0.01	0.01	1.12	0.01	0.01	LTE B13 782 Top 1RB 1
			25	782	23230	12	QPSK	0.00	0.01	0.01	1.15	0.01	0.01	LTE B13 782 Top 25RB 1
LTE B14	Front	10	1	793	23330	49	QPSK	0.00	0.01	0.01	1.07	0.01	0.01	LTE B14 793 Front 1RB 1
			25	793	23330	24	QPSK	0.00	0.01	0.01	1.05	0.01	0.01	LTE B14 793 Front 25RB 1
	Back	10	**1**	**793**	**23330**	**49**	**QPSK**	**2.92**	**0.20**	**0.14**	**1.07**	**0.21**	**0.15**	**LTE B14 793 Back 1RB 1**
			25	793	23330	24	QPSK	4.24	0.13	0.09	1.05	0.14	0.09	LTE B14 793 Back 25RB 1
	Left	10	1	793	23330	49	QPSK	3.85	0.03	0.02	1.07	0.03	0.02	LTE B14 793 Left 1RB 1
			25	793	23330	24	QPSK	0.00	0.02	0.02	1.05	0.02	0.02	LTE B14 793 Left 25RB 1
	Top	10	1	793	23330	49	QPSK	0.00	0.01	0.01	1.07	0.01	0.01	LTE B14 793 Top 1RB 1
			25	793	23330	24	QPSK	0.00	0.01	0.01	1.05	0.01	0.01	LTE B14 793 Top 25RB 1
LTE B66	Front	20	1	1745	132322	99	QPSK	-0.96	0.02	0.01	1.29	0.01	0.01	LTE B66 1745 Front 1RB 1
			50	1745	132322	0	QPSK	-1.79	0.01	0.01	1.29	0.01	0.01	LTE B66 1745 Front 50RB 1
	Back	20	1	1745	132322	99	QPSK	-3.06	0.02	0.01	1.29	0.03	0.01	LTE B66 1745 Back 1RB 1
			50	1745	132322	0	QPSK	0.00	0.01	0.01	1.29	0.01	0.01	LTE B66 1745 Back 50RB 1
	Left	20	1	1745	132322	99	QPSK	-3.33	0.05	0.03	1.29	0.06	0.04	LTE B66 1745 Left 1RB 1
			50	1745	132322	0	QPSK	0.00	0.03	0.02	1.29	0.04	0.03	LTE B66 1745 Left 50RB 1
	Top	20	1	1745	132322	99	QPSK	0.00	0.02	0.01	1.29	0.03	0.01	LTE B66 1745 Top 1RB 1
			50	1745	132322	0	QPSK	4.05	0.02	0.01	1.29	0.03	0.01	LTE B66 1745 Top 50RB 1
	Back	20	1	1720	132072	99	QPSK	-3.53	0.09	0.06	1.35	0.12	0.08	LTE B66 1720 Back 1RB 1
	Back	20	**1**	**1770**	**132572**	**99**	**QPSK**	**3.62**	**0.09**	**0.06**	**1.41**	**0.13**	**0.08**	**LTE B66 1770 Back 1RB 1**
LTE B71	Front	20	1	688	133372	0	QPSK	0.00	0.01	0.01	1.02	0.01	0.01	LTE B71 688 Front 1RB 1
			50	688	133372	24	QPSK	0.00	N/A[1]	N/A[1]	1.00	N/A[1]	N/A[1]	LTE B71 688 Front 50RB 1
	Back	20	1	688	133372	0	QPSK	0.00	0.24	0.18	1.02	0.24	0.18	LTE B71 688 Back 1RB 1
			50	688	133372	24	QPSK	-0.96	0.19	0.14	1.00	0.19	0.14	LTE B71 688 Back 50RB 1
	Left	20	1	688	133372	0	QPSK	0.70	0.13	0.09	1.02	0.13	0.09	LTE B71 688 Left 1RB 1
			50	688	133372	24	QPSK	0.00	0.07	0.05	1.00	0.07	0.05	LTE B71 688 Left 50RB 1
	Top	20	1	688	133372	0	QPSK	0.00	0.01	0.01	1.02	0.01	0.01	LTE B71 688 Top 1RB 1
			50	688	133372	24	QPSK	0.00	0.01	0.01	1.00	0.01	0.01	LTE B71 688 Top 50RB 1
	Back	20	1	673	133222	0	QPSK	0.21	0.38	0.23	1.10	0.42	0.25	LTE B71 673 Back 1RB 1
	Back	20	**1**	**680.5**	**133297**	**0**	**QPSK**	**0.00**	**0.42**	**0.23**	**1.10**	**0.46**	**0.25**	**LTE B71 680.5 Back 1RB 1**

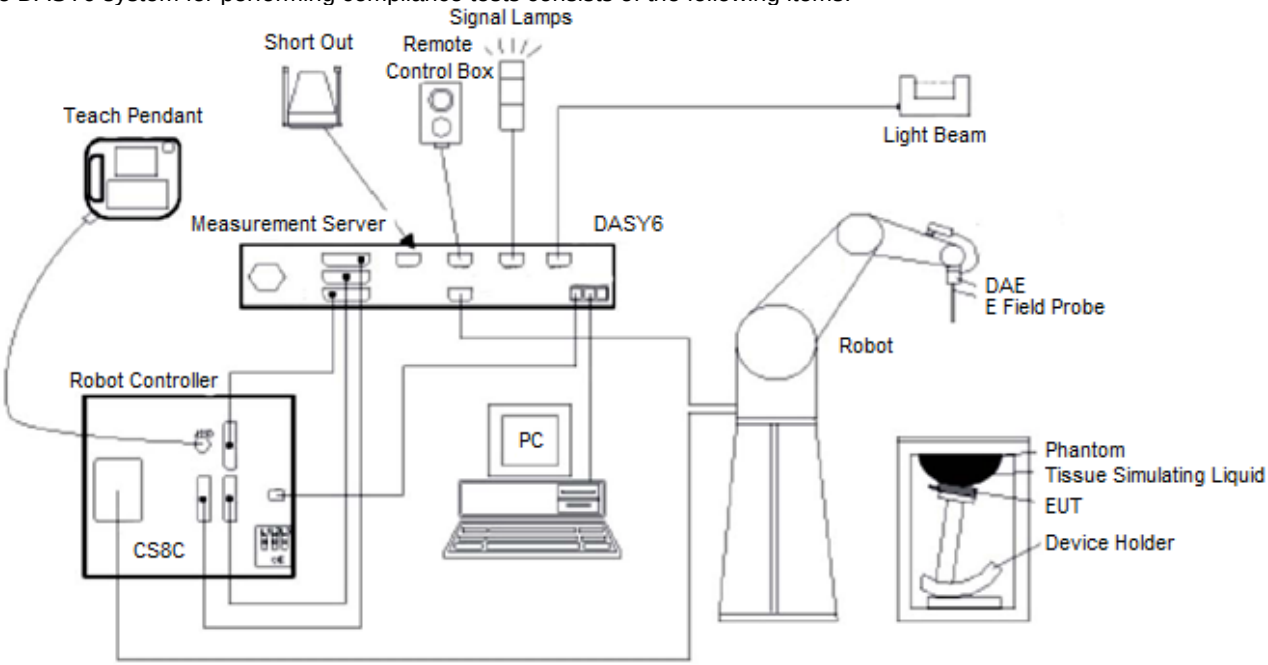
1: The signal is lower than the probe could measure. The SAR probe is capable of measurements down to 0.010 mW/g.

SAR MEASUREMENT SYSTEM

Schmid & Partner Engineering AG, DASY6

Element selected the leader in SAR evaluation systems to provide the measurement tools for this evaluation. SPEAG's DASY6 is the fastest and most accurate scanner on the market. It is fully compatible with all world-wide standards for transmitters operating at the ear or within 20cm of the body. It provides full compatibility with IEC/IEEE 62209-1528, IEC 62209-1, IEC 62209-2, IEEE 1528 as well as national adaptations such as FCC OET-65c and Korean Std. MIC #2000-93

The DASY6 system for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot (Stäubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Windows 10 and the DASY6 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom, oval flat phantom, device holder, tissue simulating liquids, and validation dipole kits.

SYSTEM AND TEST SITE DESCRIPTION

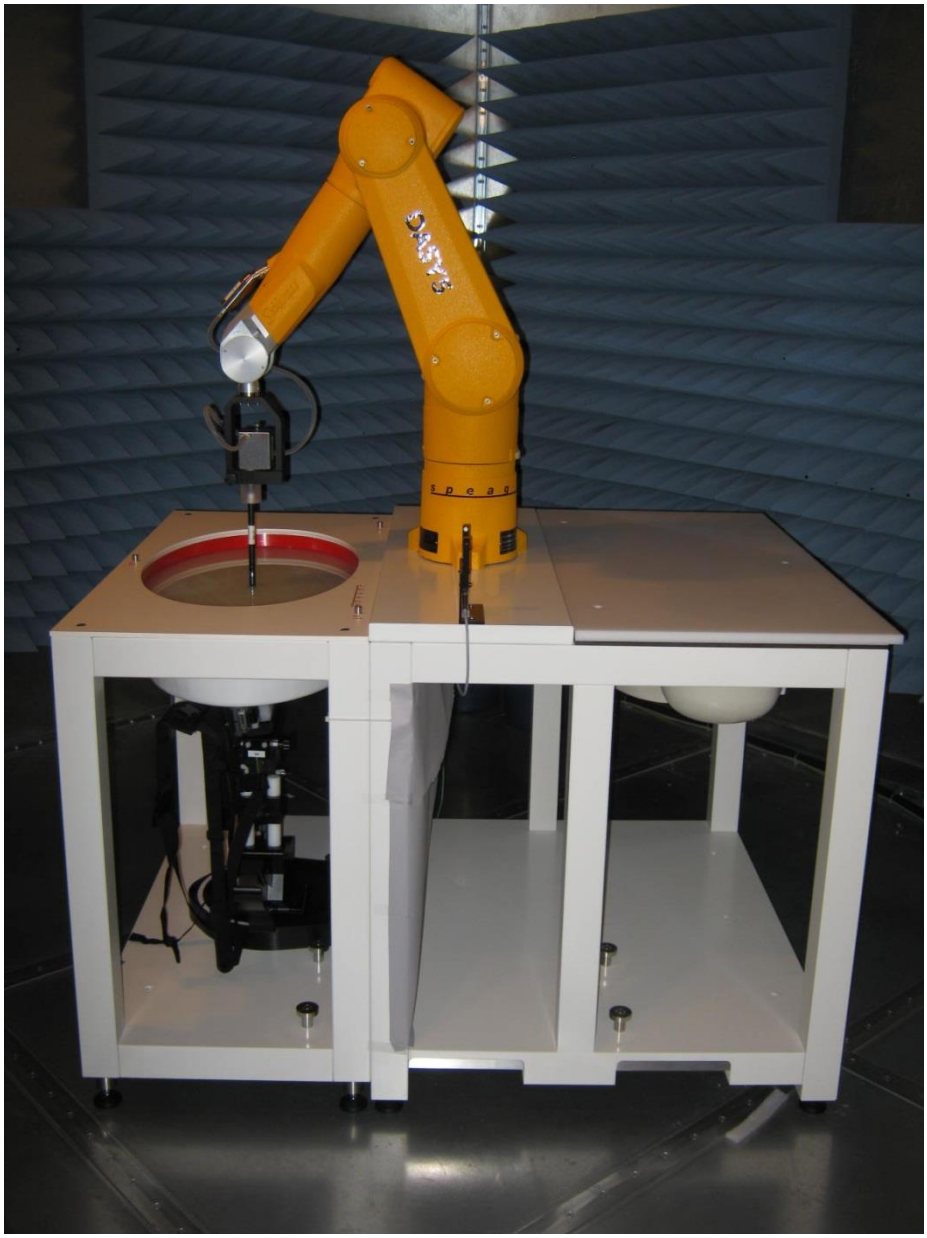
element
2021.09.01

TEST SITE

Element

The SAR measurement system is located in a semi-anechoic chamber. This provides an ambient free environment that also eliminates reflections.

The chamber is 12 ft wide by 16 ft long x 8 ft high. A dedicated HVAC unit provides +/- 1 degree C temperature control.



TEST EQUIPMENT

element
WSEQ.2016.12.19

Description	Manufacturer	Model	ID	Last Cal.	Interval
Amplifier	Mini Circuits	ZHL-5W-2G-S+	TRZ	NCR [1]	0 mo
Amplifier	Mini Circuits	ZVE-3W-83+	TTA	NCR [1]	0 mo
Antenna - Dipole	SPEAG	D835V2	ADK	11/9/2020	12 mo
Antenna - Dipole	SPEAG	D900V2	ADP	11/9/2020	12 mo
Antenna - Dipole	SPEAG	D1750v2	ADN	11/9/2020	12 mo
Antenna - Dipole	SPEAG	D1900v2	ADO	11/9/2020	12 mo
Antenna - Dipole	SPEAG	D2450V2	ADL	11/9/2020	12 mo
Antenna - Dipole	SPEAG	D5GHzV2	ADM	11/9/2020	12 mo
Antenna - Dipole	SPEAG	D750V3	ADQ	11/9/2020	12 mo
Cellular Base Station Simulator	Agilent	E5515C	BSV	NCR	0 mo
DAE	SPEAG	SD 000 D04 EJ	SAH	11/4/2020	12 mo
Device Holder	SPEAG	N/A	SAW	NCR	0 mo
Dielectric Assessment Kit	SPEAG	DAKS:200	IPR	4/25/2019	36 mo
Generator - Signal	Agilent	V2920A	TIH	NCR	0 mo
Meter - Power	Agilent	N1913A	SQL	7/12/2021	12 mo
Power Sensor	Agilent	N8481A	SQN	7/12/2021	12 mo
Probe - Dielectric	SPEAG	DAKS-3.5	IPRA	11/12/2019	36 mo
Probe - SAR	SPEAG	EX3DV4	SAG	11/18/2020	12 mo
SAR - Tissue Test Solution	SPEAG	HBBL600-10000V6	SALN	At start of testing	
SAR Test System	Staubli	DAYS6	SAK	NCR	0 mo
SAR Test System	SPEAG	QD 000 P40 CC	SAB	NCR	0 mo
Thermometer	Omega Engineering, Inc.	HH311	DUI	2/2/2021	36 mo

Note 1: The output of the signal generator / amplifier is verified with the calibrated power meter listed above.

MEASUREMENT UNCERTAINTY

element
2021.09.01

MEASUREMENT UNCERTAINTY BUDGETS PER IEEE 1528:2013

300-3000 MHz Range

Uncertainty Component	Tolerance (+/- %)	Probability Distribution	Divisor	c_i (1g)	c_i (10g)	u_i (1g) (+/-%)	u_i (10g) (+/-%)	v_i
Measurement System								
Probe calibration (k=1)	6.0	normal	1	1	1	6.0	6.0	∞
Axial isotropy	4.7	rectangular	1.732	0.707	0.707	1.9	1.9	∞
Hemispherical isotropy	9.6	rectangular	1.732	0.707	0.707	3.9	3.9	∞
Boundary effect	1.0	rectangular	1.732	1	1	0.6	0.6	∞
Linearity	4.7	rectangular	1.732	1	1	2.7	2.7	∞
System detection limits	1.0	rectangular	1.732	1	1	0.6	0.6	∞
Modulation Response	2.4	rectangular	1.732	1	1	1.4	1.4	∞
Readout electronics	0.3	normal	1	1	1	0.3	0.3	∞
Response time	0.8	rectangular	1.732	1	1	0.5	0.5	∞
Integration time	2.6	rectangular	1.732	1	1	1.5	1.5	∞
RF ambient conditions - noise	3.0	rectangular	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	rectangular	1.732	1	1	1.7	1.7	∞
Probe positioner mechanical tolerance	0.4	rectangular	1.732	1	1	0.2	0.2	∞
Probe positioner with respect to phantom shell	2.9	rectangular	1.732	1	1	1.7	1.7	∞
Extrapolation, interpolation, and integration algorithms for max. SAR evaluation	2.0	rectangular	1.732	1	1	1.2	1.2	∞
Test Sample Related								
Device Positioning	2.9	normal	1	1	1	2.9	2.9	145
Device Holder	3.6	normal	1	1	1	3.6	3.6	5
Power Drift	5.0	rectangular	1.732	1	1	2.9	2.9	∞
Power scaling	1.0	rectangular	1.732	1	1	0.6	0.6	∞
Phantom and tissue parameters								
Phantom Uncertainty - shell thickness tolerances	6.1	rectangular	1.732	1	1	3.5	3.5	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	1.9	normal	1	1.00	0.84	1.9	1.6	∞
Liquid conductivity - measurement uncertainty	2.5	normal	1	0.78	0.71	2.0	1.8	∞
Liquid permittivity - measurement uncertainty	2.5	normal	1	0.26	0.26	0.7	0.7	∞
Temp Uncertainty - Conductivity	3.4	rectangular	1.732	0.8	0.71	1.5	1.4	∞
Temp Uncertainty - Permittivity	0.4	rectangular	1.732	0.2	0.26	0.1	0.1	∞
Combined Standard Uncertainty		RSS				11.4	11.3	361
Expanded Measurement Uncertainty (95% Confidence/		normal (k=2)				22.8	22.7	

Full measurement uncertainty included for ISO 17025 accreditation purposes.

MEASUREMENT UNCERTAINTY

element
2021.09.01

MEASUREMENT UNCERTAINTY BUDGETS PER IEEE 1528:2013

3000-6000 MHz Range

Uncertainty Component	Tolerance (+/- %)	Probability Distribution	Divisor	c_i (1g)	c_i (10g)	u_i (1g) (+/-%)	u_i (10g) (+/-%)	v_i
Measurement System								
Probe calibration (k=1)	6.6	normal	1	1	1	6.6	6.6	∞
Axial isotropy	4.7	rectangular	1.732	0.707	0.707	1.9	1.9	∞
Hemispherical isotropy	9.6	rectangular	1.732	0.707	0.707	3.9	3.9	∞
Boundary effect	2.0	rectangular	1.732	1	1	1.2	1.2	∞
Linearity	4.7	rectangular	1.732	1	1	2.7	2.7	∞
System detection limits	1.0	rectangular	1.732	1	1	0.6	0.6	∞
Modulation Response	2.4	rectangular	1.732	1	1	1.4	1.4	∞
Readout electronics	0.3	normal	1	1	1	0.3	0.3	∞
Response time	0.8	rectangular	1.732	1	1	0.5	0.5	∞
Integration time	2.6	rectangular	1.732	1	1	1.5	1.5	∞
RF ambient conditions - noise	3.0	rectangular	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	rectangular	1.732	1	1	1.7	1.7	∞
Probe positioner mechanical tolerance	0.8	rectangular	1.732	1	1	0.5	0.5	∞
Probe positioner with respect to phantom shell	6.7	rectangular	1.732	1	1	3.9	3.9	∞
Extrapolation, interpolation, and integration algorithms for max. SAR evaluation	4.0	rectangular	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	2.9	normal	1	1	1	2.9	2.9	145
Device Holder	3.6	normal	1	1	1	3.6	3.6	5
Power Drift	5.0	rectangular	1.732	1	1	2.9	2.9	∞
Power scaling	1.0	rectangular	1.732	1	1	0.6	0.6	∞
Phantom and tissue parameters								
Phantom Uncertainty - shell thickness tolerances	6.6	rectangular	1.732	1	1	3.8	3.8	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	1.9	normal	1	1.00	0.84	1.9	1.6	∞
Liquid conductivity - measurement uncertainty	2.5	normal	1	0.78	0.71	2.0	1.8	∞
Liquid permittivity - measurement uncertainty	2.5	normal	1	0.26	0.26	0.7	0.7	∞
Temp Uncertainty - Conductivity	3.4	rectangular	1.732	0.8	0.71	1.5	1.4	∞
Temp Uncertainty - Permittivity	0.4	rectangular	1.732	0.2	0.26	0.1	0.1	∞
Combined Standard Uncertainty		RSS				12.5	12.4	748
Expanded Measurement Uncertainty (95% Confidence/		normal (k=2)				25.0	24.9	

Full measurement uncertainty included for ISO 17025 accreditation purposes.

SYSTEM VALIDATION

element
WSEQ.2016.12.19

Dipole	Date	Freq.	Tissue Perm.	Tissue Cond.	CW				OFDM		
					Sensitivity	Linearity	Isotropy	Reduced DC	802.11n	LTE	LTE TDD
ADQ	5/6/2021	750	41.9	0.89	Pass	Pass	Pass	Pass[1]	N/A	Pass	Pass
ADK	5/6/2021	835	41.6	0.91	Pass	Pass	Pass	Pass[1,2]	N/A	Pass	Pass
ADP	5/6/2021	900	41.5	0.97	Pass	Pass	Pass	Pass[1,2]	N/A	Pass	Pass
ADN	5/6/2021	1750	40.1	1.37	Pass	Pass	Pass	Pass[1,2]	N/A	Pass	Pass
ADO	5/6/2021	1900	40.0	1.40	Pass	Pass	Pass	Pass[1,2,3]	N/A	Pass	Pass
ADL	5/5/2021	2450	40.2	1.85	Pass	Pass	Pass	Pass[1]	Pass	N/A	N/A
ADM	5/5/2021	5200	35.2	4.59	Pass	Pass	Pass	Pass[1]	Pass	N/A	N/A
ADM	5/5/2021	5300	35.1	4.73	Pass	Pass	Pass	Pass[1]	Pass	N/A	N/A
ADM	5/5/2021	5500	34.8	4.96	Pass	Pass	Pass	Pass[1]	Pass	N/A	N/A
ADM	5/5/2021	5800	34.2	5.26	Pass	Pass	Pass	Pass[1]	Pass	N/A	N/A
ADL[4]	7/28/2021	2450	41.0	1.82	Pass	Pass	Pass	Pass[1,2,3]	Pass	Pass	Pass

1: Reduced to a duty factor of 0.1 with a 10 Hz pulse repetition rate.
2: Reduced duty cycle to match a single GSM time slot.
3: Reduced duty cycle to match a single DECT time slot.
4: ADL measurement on 7/28/2021 used to confirm system validation after software upgrade.

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.7
Date:	9/15/2021	Liquid Temperature (°C):	21
Serial Number:	49408161	Humidity (%RH):	53
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1016

Measurement Report for Wi-Fi SISO 2412 Top 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	350.0 x 300.0 x 210.0	N/A	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	TOP, 0.00	D2450	CW, 0--	2412.0, 1	7.22	1.82	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-15	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

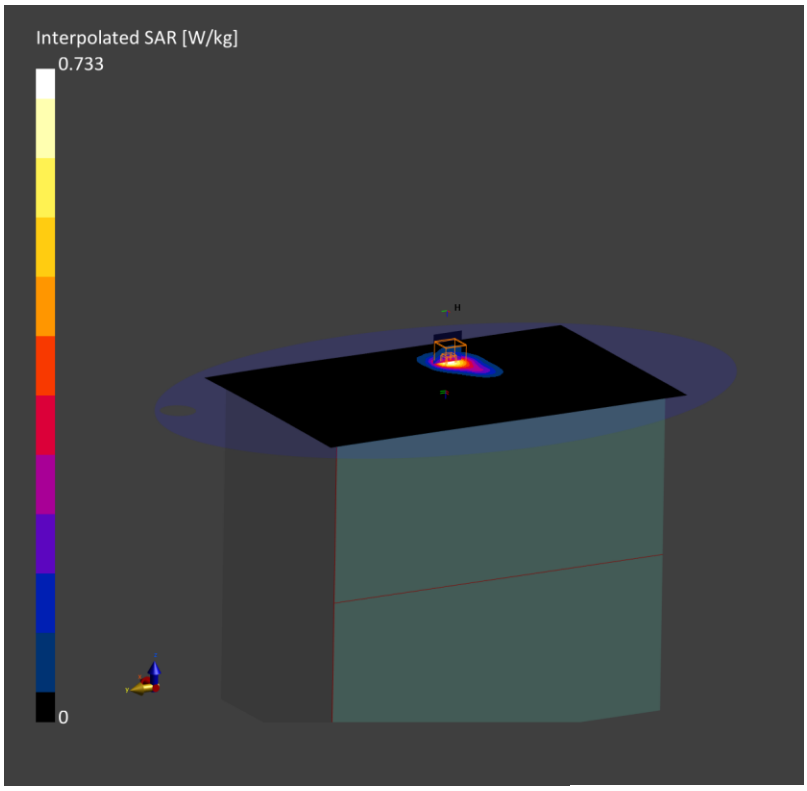
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 380.0	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	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-09-15, 15:32	2021-09-15, 15:40
psSAR1g [W/Kg]	0.373	0.376
psSAR10g [W/Kg]	0.196	0.197
Power Drift [dB]	-0.15	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.4
Dist 3dB Peak [mm]		12.5

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.3
Date:	10/20/2021	Liquid Temperature (°C):	20.8
Serial Number:	49408161	Humidity (%RH):	49
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1017

Measurement Report for Wi-Fi MIMO 2437 Top 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	N/A	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	TOP, 0.00	D2450	CW, 0--	2437.0, 6	7.22	1.84	40.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-20	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

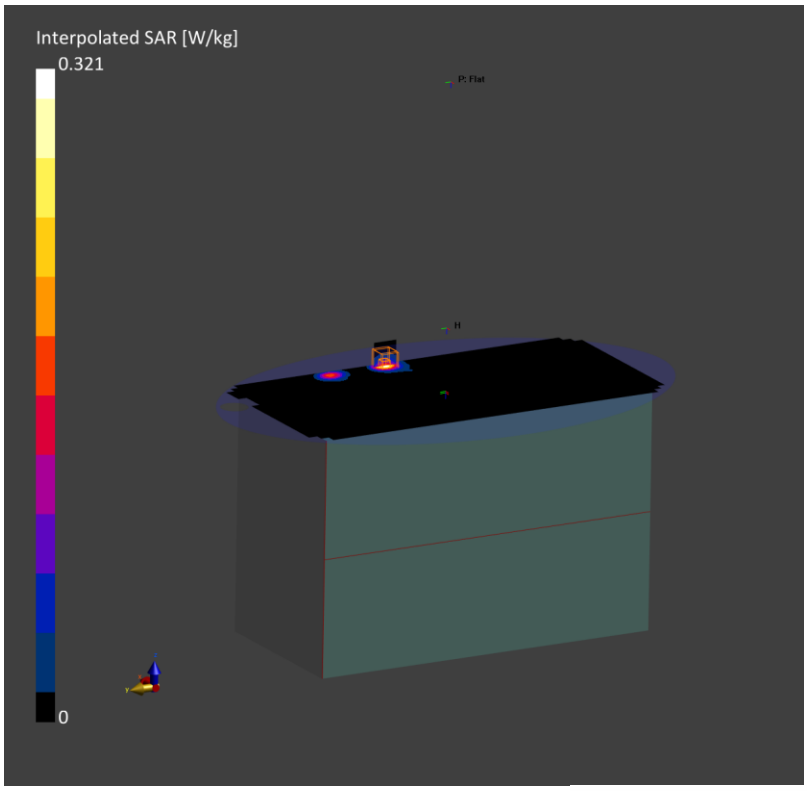
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 480.0	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	2021-10-20, 10:49	2021-10-20, 10:58
psSAR1g [W/Kg]	0.149	0.158
psSAR10g [W/Kg]	0.070	0.075
Power Drift [dB]	0.22	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		78.9
Dist 3dB Peak [mm]		10.6

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.4
Date:	11/3/2021	Liquid Temperature (°C):	20
Serial Number:	49408161	Humidity (%RH):	26
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1015

Measurement Report for U-NII-1 5240 Top 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	N/A	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	TOP, 0.00	D5GHz	CW, 0--	5240.0, 48	5.13	4.61	35.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Nov-03	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

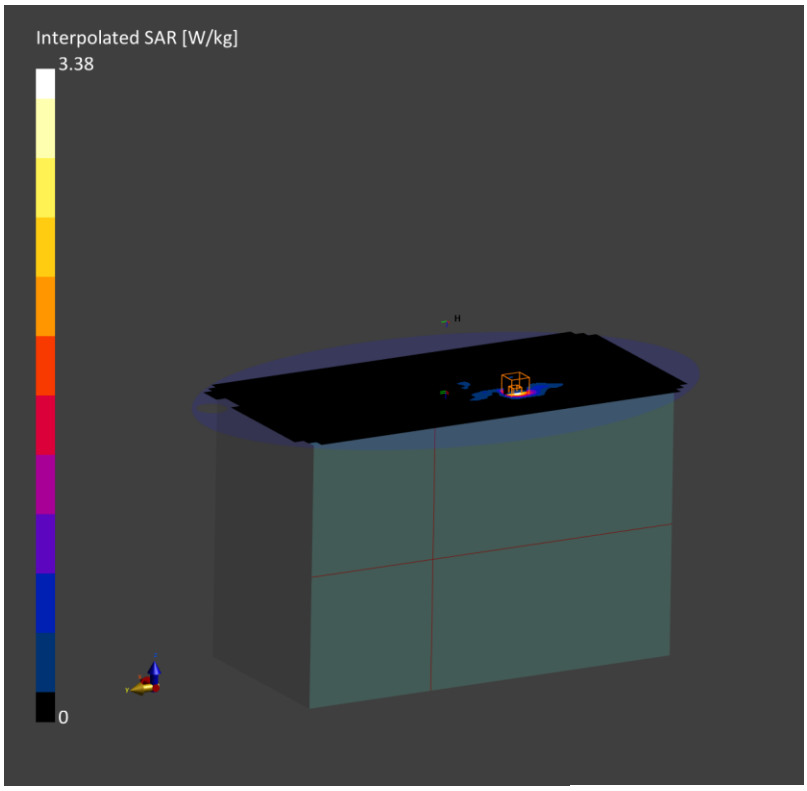
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 480.0	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	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-03, 19:14	2021-11-03, 19:34
psSAR1g [W/Kg]	0.490	0.555
psSAR10g [W/Kg]	0.179	0.201
Power Drift [dB]	-0.03	-0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.0
Dist 3dB Peak [mm]		9.8

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.9
Date:	9/14/2021	Liquid Temperature (°C):	21.8
Serial Number:	49408161	Humidity (%RH):	54.5
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1015

Measurement Report for U-NII-2C 5580 Top 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	350.0 x 300.0 x 210.0	N/A	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	TOP, 0.00	D5GHz	CW, 0--	5580.0, 100	4.48	5.06	35.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-14	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

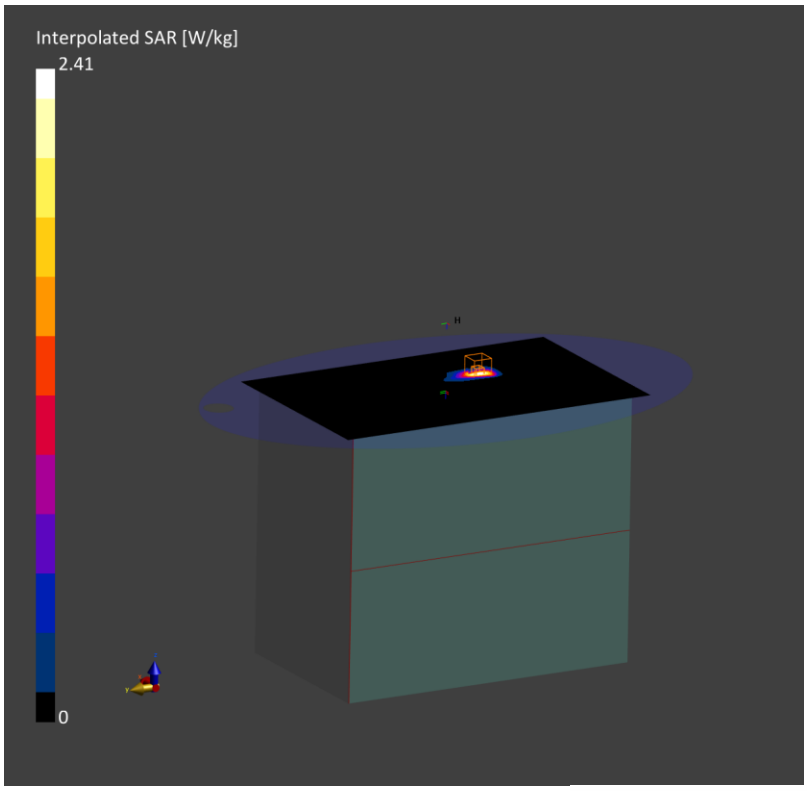
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 380.0	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	2021-09-14, 14:59	2021-09-14, 15:08
psSAR1g [W/Kg]	0.567	0.671
psSAR10g [W/Kg]	0.222	0.249
Power Drift [dB]	0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.5
Dist 3dB Peak [mm]		9.6

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.9
Date:	9/14/2021	Liquid Temperature (°C):	21.8
Serial Number:	49408161	Humidity (%RH):	54.5
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1015

Measurement Report for U-NII-3 5785 Top 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	350.0 x 300.0 x 210.0	N/A	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	TOP, 0.00	D5GHz	CW, 0--	5785.0, 157	4.46	5.28	35.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-14	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

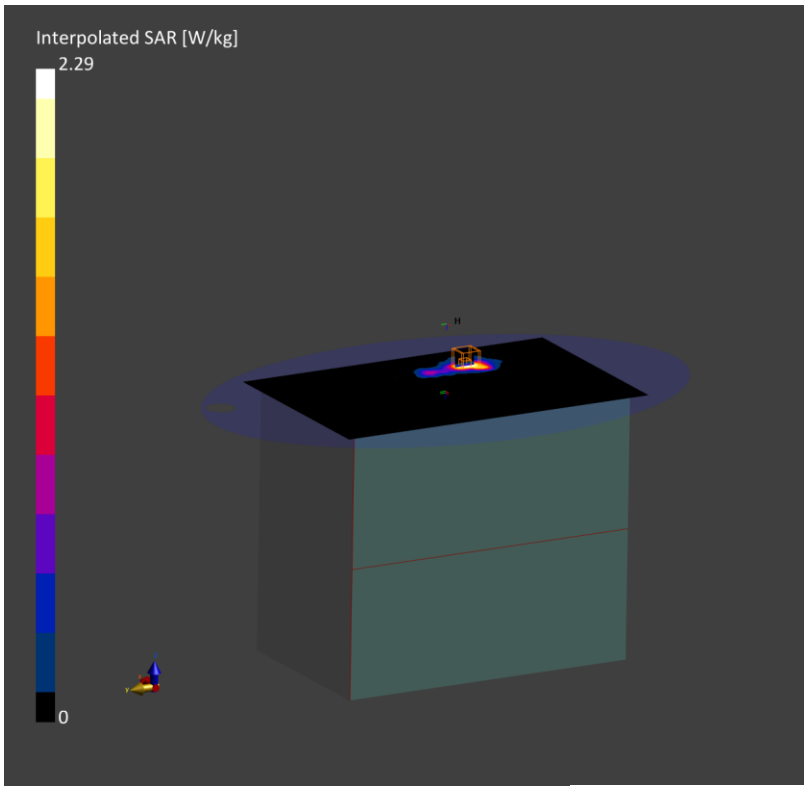
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 380.0	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	2021-09-14, 12:26	2021-09-14, 12:34
psSAR1g [W/Kg]	0.586	0.629
psSAR10g [W/Kg]	0.238	0.246
Power Drift [dB]	0.04	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.3
Dist 3dB Peak [mm]		10.9

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	20.3
Date:	10/15/2021	Liquid Temperature (°C):	20.3
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	47
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1016

Measurement Report for Band V 846.6 Back Rel-99 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D835	CW, 0--	846.6, 4233	9.11	0.901	43.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-15	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

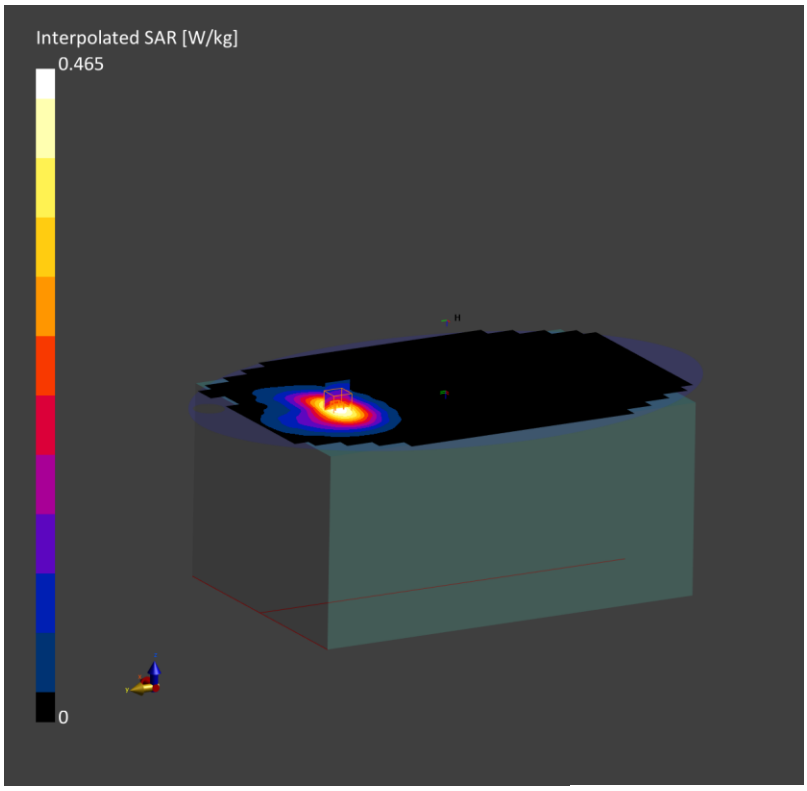
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-15, 12:09	2021-10-15, 12:17
psSAR1g [W/Kg]	0.317	0.332
psSAR10g [W/Kg]	0.217	0.239
Power Drift [dB]	0.16	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		89.7
Dist 3dB Peak [mm]		> 15.0

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.1
Date:	10/13/2021	Liquid Temperature (°C):	21.1
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	55
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1017

Measurement Report for Band IV 1752.6 Back Rel-99 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D1750	CW, 0--	1752.6, 1513	8.03	1.36	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-13	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

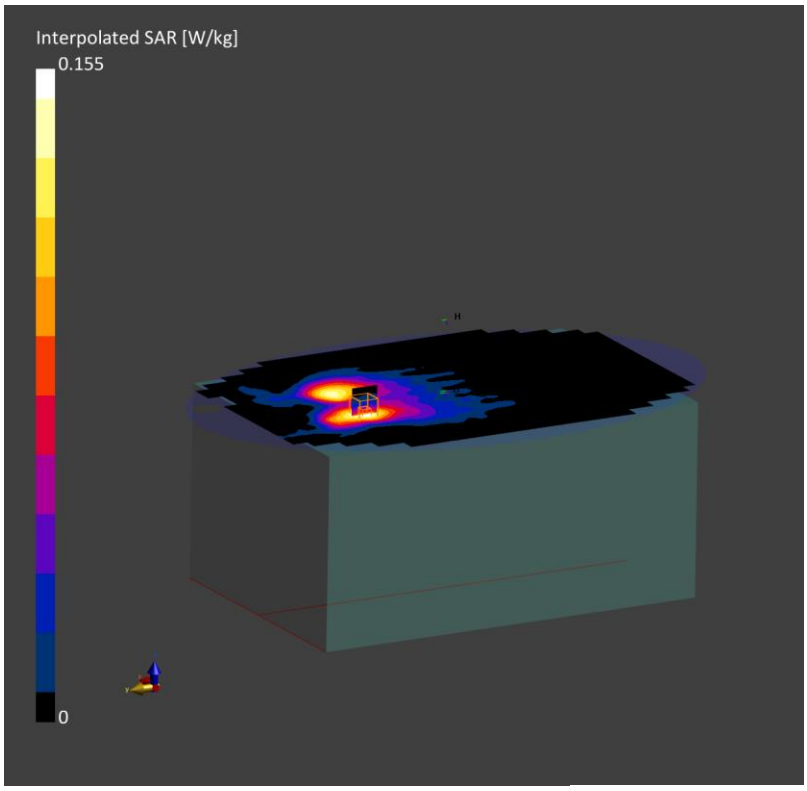
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-13, 10:23	2021-10-13, 10:30
psSAR1g [W/Kg]	0.091	0.091
psSAR10g [W/Kg]	0.056	0.056
Power Drift [dB]	0.04	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		85.9
Dist 3dB Peak [mm]		> 15.0

APPENDIX A: SAR TEST DATA PLOTS



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APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.2
Date:	10/12/2021	Liquid Temperature (°C):	21
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	54
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1019

Measurement Report for Band II 1907.6 Back Rel-99 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D1900	CW, 0--	1907.6, 9538	7.62	1.45	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-12	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

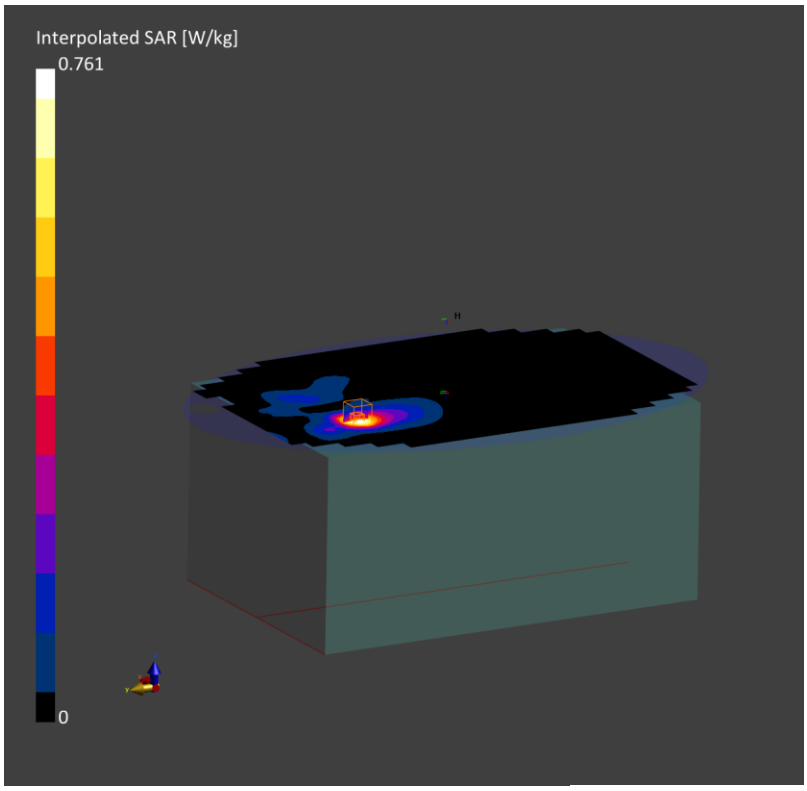
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-12, 12:23	2021-10-12, 12:30
psSAR1g [W/Kg]	0.416	0.450
psSAR10g [W/Kg]	0.247	0.271
Power Drift [dB]	0.16	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.7
Dist 3dB Peak [mm]		18.7

APPENDIX A: SAR TEST DATA PLOTS



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APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	22
Date:	10/8/2021	Liquid Temperature (°C):	20.5
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	61
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1018

Measurement Report for LTE B71 680.5 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Custom Band	CW, 0--	680.5, 133297	9.37	0.858	42.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-08	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

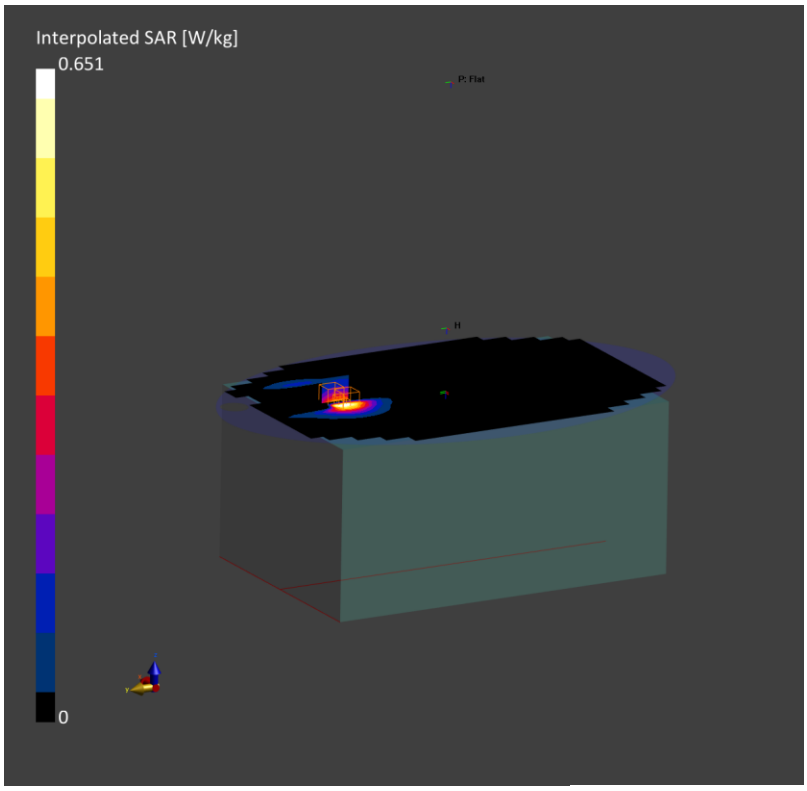
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-08, 11:22	2021-10-08, 11:32
psSAR1g [W/Kg]	0.309	0.422
psSAR10g [W/Kg]	0.192	0.233
Power Drift [dB]	n/a	0
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		88.6
Dist 3dB Peak [mm]		4.8

APPENDIX A: SAR TEST DATA PLOTS



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APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.3
Date:	10/3/2021	Liquid Temperature (°C):	20.9
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	60.5
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1014

Measurement Report for LTE B12 704 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D750	CW, 0--	704.0, 23060	9.37	0.882	42.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-03	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

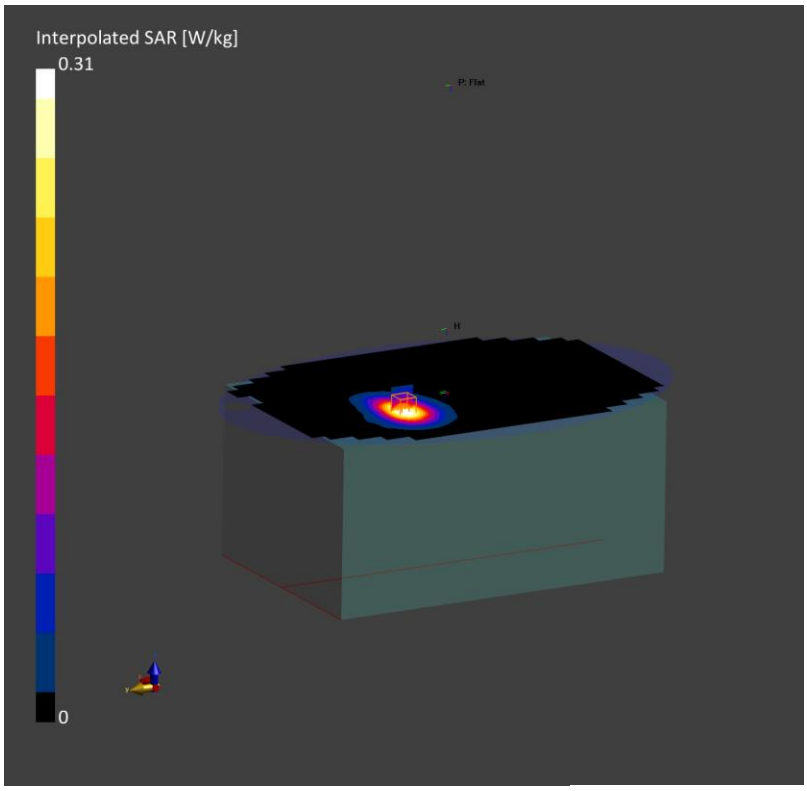
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-03, 13:37	2021-10-03, 13:45
psSAR1g [W/Kg]	0.215	0.220
psSAR10g [W/Kg]	0.150	0.159
Power Drift [dB]	0.57	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		89.2
Dist 3dB Peak [mm]		> 15.0

APPENDIX A: SAR TEST DATA PLOTS



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APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	20.9
Date:	10/6/2021	Liquid Temperature (°C):	20.9
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	62
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1016

Measurement Report for LTE B14 793 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D750	CW, 0--	793.0, 23330	9.37	0.908	41.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-06	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

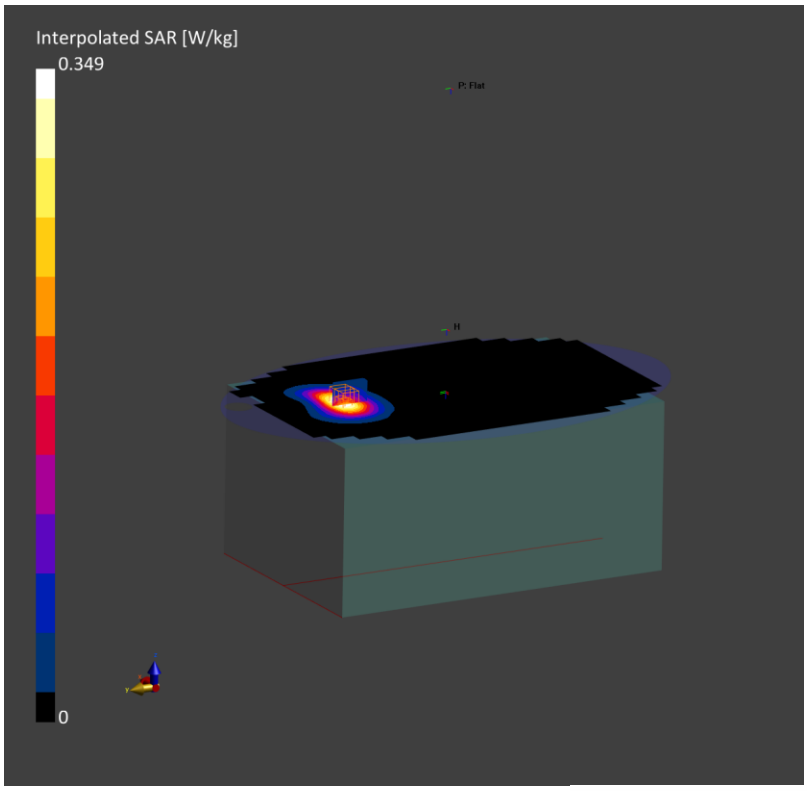
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	2021-10-06, 14:02	2021-10-06, 14:13
psSAR1g [W/Kg]	0.218	0.201
psSAR10g [W/Kg]	0.151	0.140
Power Drift [dB]	0.11	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		3.4

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	22.5
Date:	10/1/2021	Liquid Temperature (°C):	22.4
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	67
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1017

Measurement Report for LTE B2 1900 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D1900	CW, 0--	1900.0, 19100	7.62	1.46	40.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-01	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

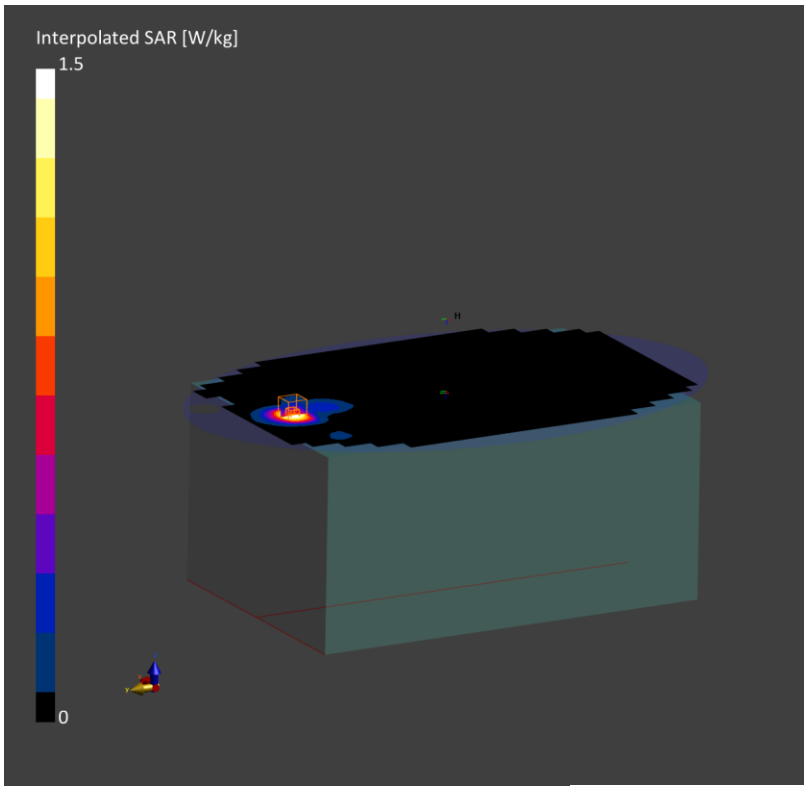
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-01, 14:16	2021-10-01, 14:23
psSAR1g [W/Kg]	0.605	0.664
psSAR10g [W/Kg]	0.367	0.396
Power Drift [dB]	0.12	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		84.3
Dist 3dB Peak [mm]		14.4

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	20.9
Date:	10/6/2021	Liquid Temperature (°C):	20.9
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	62
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1016

Measurement Report for LTE B13 782 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D750	CW, 0--	782.0, 23230	9.37	0.908	41.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-06	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

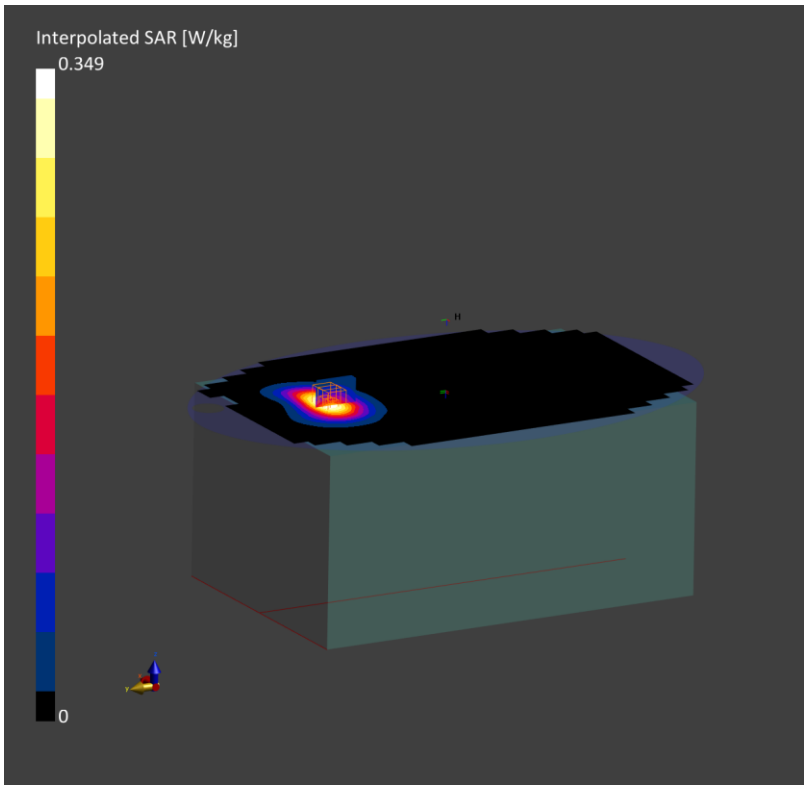
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	2021-10-06, 14:02	2021-10-06, 14:13
psSAR1g [W/Kg]	0.268	0.251
psSAR10g [W/Kg]	0.191	0.180
Power Drift [dB]	0.11	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		3.4

APPENDIX A: SAR TEST DATA PLOTS



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APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	20.6
Date:	10/5/2021	Liquid Temperature (°C):	20.5
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	60
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1015

Measurement Report for LTE B5 844 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D835	CW, 0--	844.0, 20600	9.11	0.922	42.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-05	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

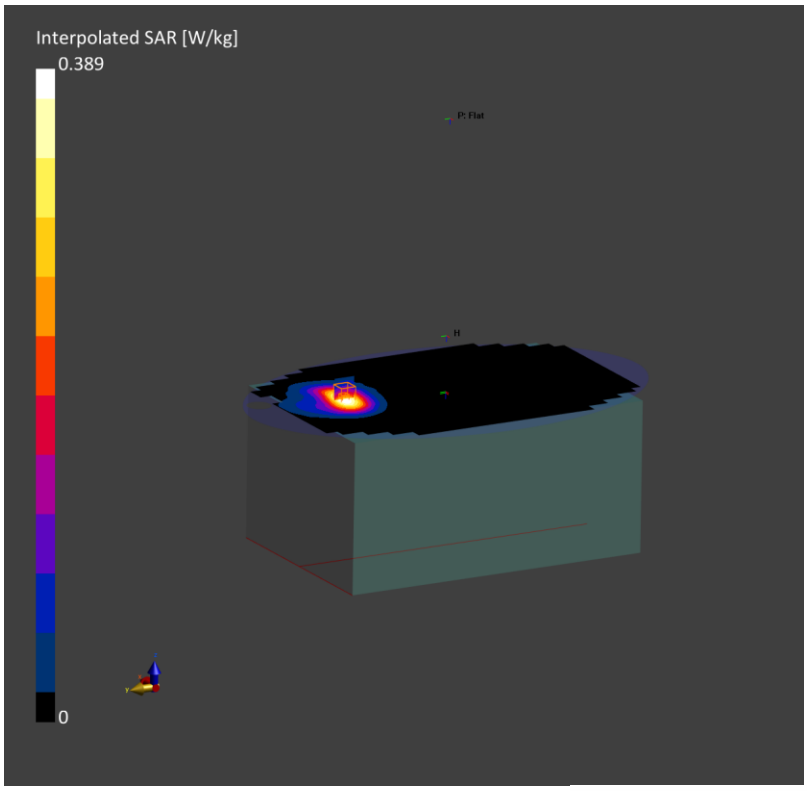
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-05, 09:26	2021-10-05, 09:33
psSAR1g [W/Kg]	0.252	0.268
psSAR10g [W/Kg]	0.174	0.190
Power Drift [dB]	0.11	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		88.2
Dist 3dB Peak [mm]		> 15.0

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX A: SAR TEST DATA PLOTS

element
WSTD.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.7
Date:	10/11/2021	Liquid Temperature (°C):	22
Serial Number:	49408161 (modem 20256581)	Humidity (%RH):	55
Configuration:	PHYS1087-10	Bar. Pressure (mb):	1017

Measurement Report for LTE B66 1770 Back 1RB 1

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
LP35 Monitor/Defibrillator (With Modem), Stryker	440.0 x 290.0 x 210.0	354328090011682	Other

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D1750	CW, 0--	1770.0, 132572	8.03	1.37	40.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-11	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

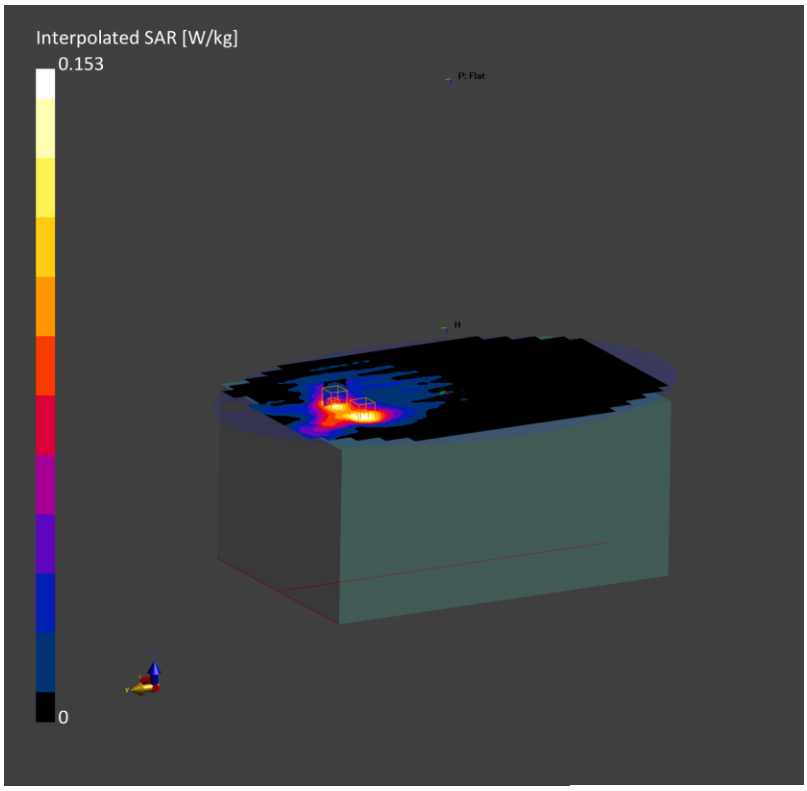
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	330.0 x 480.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	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	2021-10-11, 11:11	2021-10-11, 11:19
psSAR1g [W/Kg]	0.081	0.091
psSAR10g [W/Kg]	0.051	0.055
Power Drift [dB]	-0.15	-0.16
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		18.7

APPENDIX A: SAR TEST DATA PLOTS



Approved By

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.1
Date:	10/13/2021	Liquid Temperature (°C):	21.1
		Humidity (%RH):	55
		Bar. Pressure (mb):	1017

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D900V2 - SN1d106	900.0	HSL	20.0	-8.0	-7.4	-2.4	-2.1

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		, 0--	900.0, 0	8.93	0.937	41.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-13	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

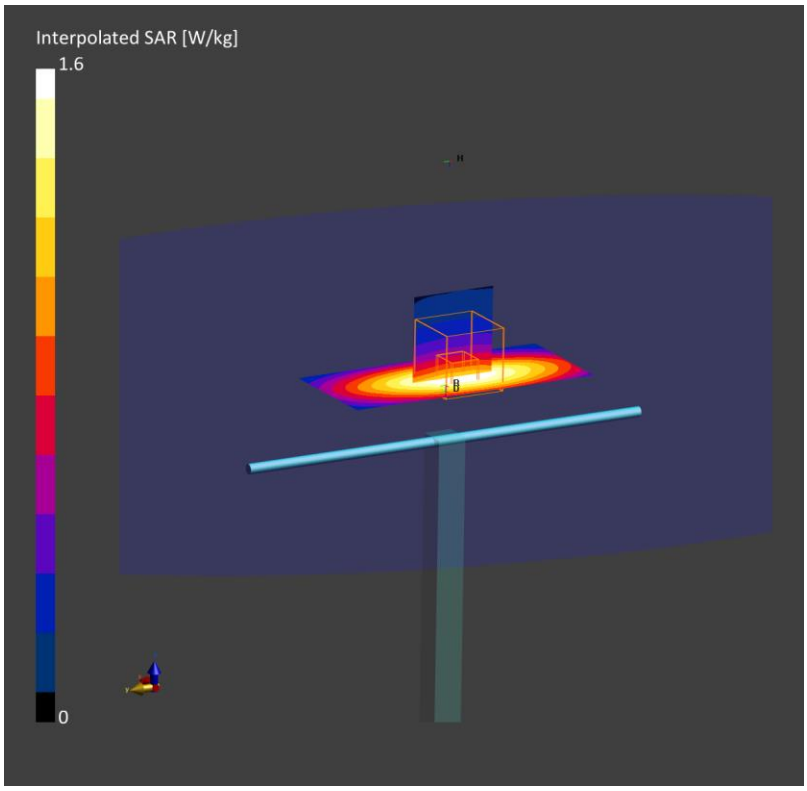
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-13, 11:33	2021-10-13, 11:38
psSAR1g [W/Kg]	1.03	1.04
psSAR10g [W/Kg]	0.677	0.667
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



Approved By

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.3
Date:	10/3/2021	Liquid Temperature (°C):	20.9
		Humidity (%RH):	60.5
		Bar. Pressure (mb):	1014

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D750V3 - SN1094	750.0	HSL	20.0	7.3	7.5	9.0	2.1

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		, 0--	750.0, 0	9.37	0.897	42.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-03	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

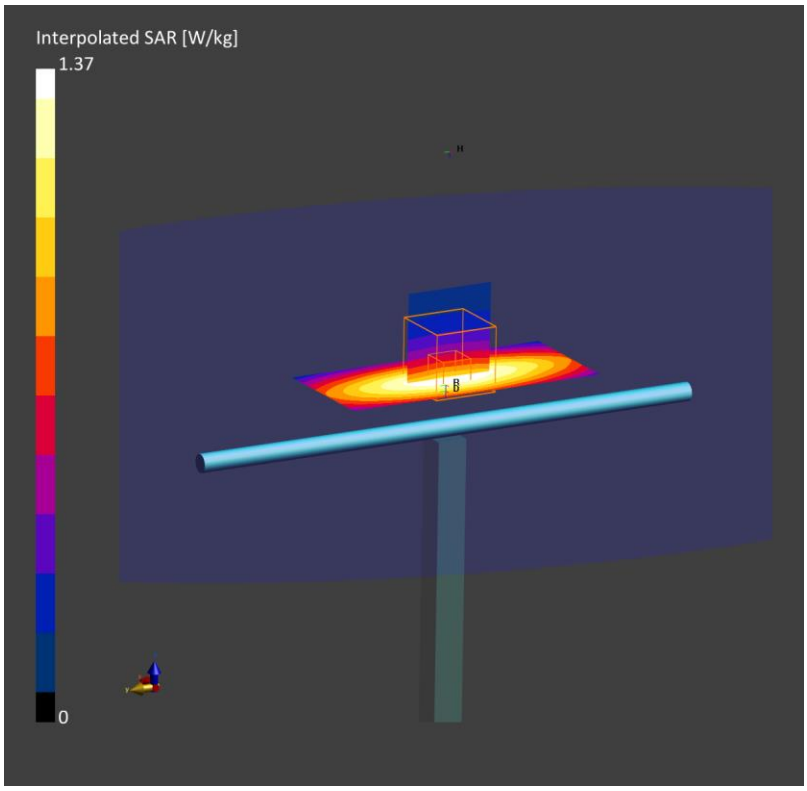
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	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	2021-10-03, 10:41	2021-10-03, 10:46
psSAR1g [W/Kg]	0.907	0.909
psSAR10g [W/Kg]	0.609	0.599
Power Drift [dB]	-0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



Approved By

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.5
Date:	10/4/2021	Liquid Temperature (°C):	20.9
		Humidity (%RH):	55
		Bar. Pressure (mb):	1012

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D835V2 - SN4d108	835.0	HSL	20.0	-1.2	-2.6	6.3	-2.0

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		, 0--	835.0, 0	9.11	0.923	41.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-04	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

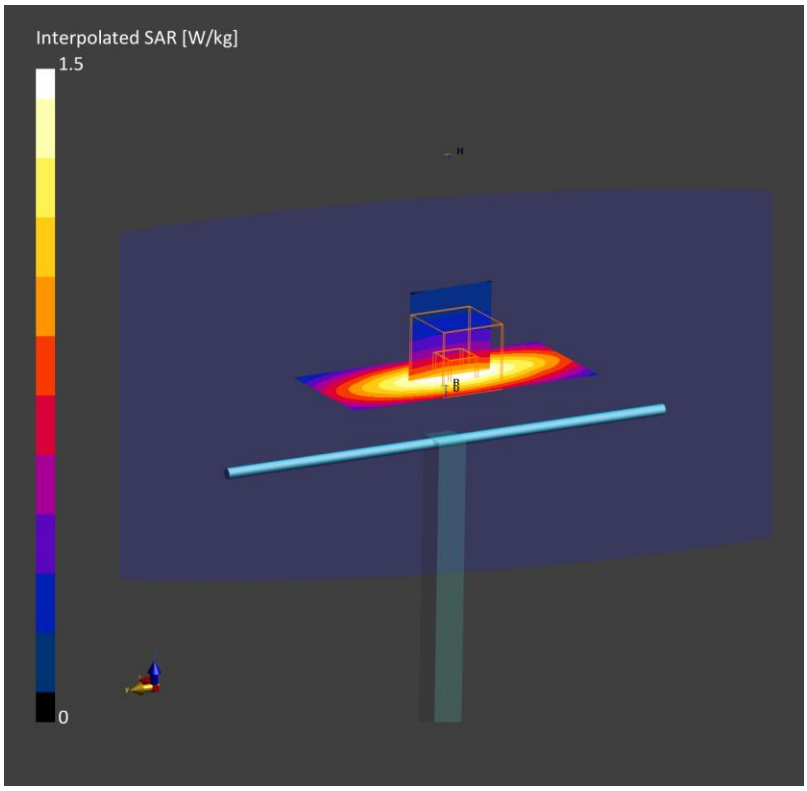
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	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	E	E
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-04, 08:14	2021-10-04, 08:19
psSAR1g [W/Kg]	0.960	0.958
psSAR10g [W/Kg]	0.633	0.623
Power Drift [dB]	-0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



Approved By

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.7
Date:	10/11/2021	Liquid Temperature (°C):	22
		Humidity (%RH):	55
		Bar. Pressure (mb):	1017

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D1750V2 - SN1040	1750.0	HSL	20.0	-6.7	-6.2	2.5	2.3

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	1750.0, 0	8.03	1.36	40.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Oct-11	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

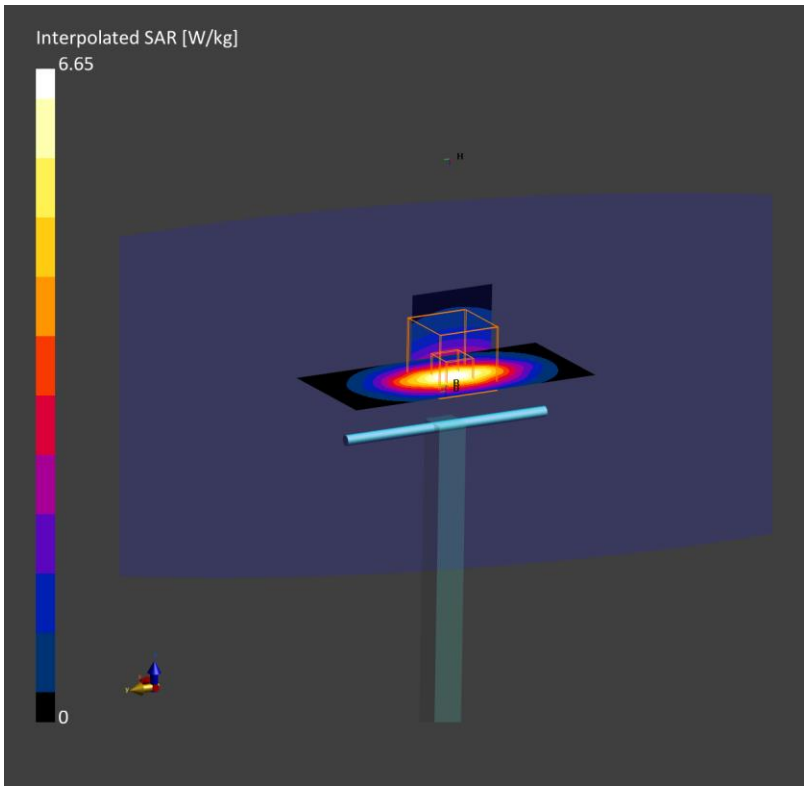
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	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	2021-10-11, 06:58	2021-10-11, 07:03
psSAR1g [W/Kg]	3.44	3.46
psSAR10g [W/Kg]	1.84	1.83
Power Drift [dB]	-0.09	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



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APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	20.4
Date:	9/23/2021	Liquid Temperature (°C):	20.5
		Humidity (%RH):	49
		Bar. Pressure (mb):	1017

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D1900V2 - SN5d131	1900.0	HSL	20.0	4.3	5.7	15.7	-2.2

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	1900.0, 0	7.62	1.44	40.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-23	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

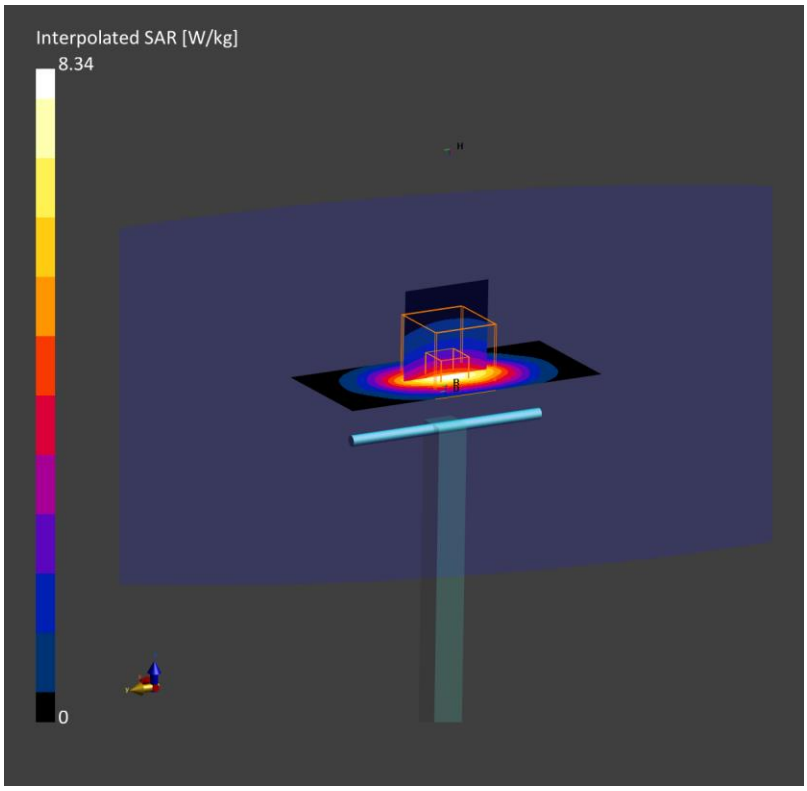
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	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	2021-09-23, 07:00	2021-09-23, 07:05
psSAR1g [W/Kg]	4.34	4.32
psSAR10g [W/Kg]	2.26	2.24
Power Drift [dB]	-0.07	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



Approved By

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.9
Date:	9/20/2021	Liquid Temperature (°C):	22
		Humidity (%RH):	59
		Bar. Pressure (mb):	1016

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D2450V2 - SN855	2450.0	HSL	20.0	4.4	3.3	14.1	2.3

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	2450.0, 0	7.22	1.86	40.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-20	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

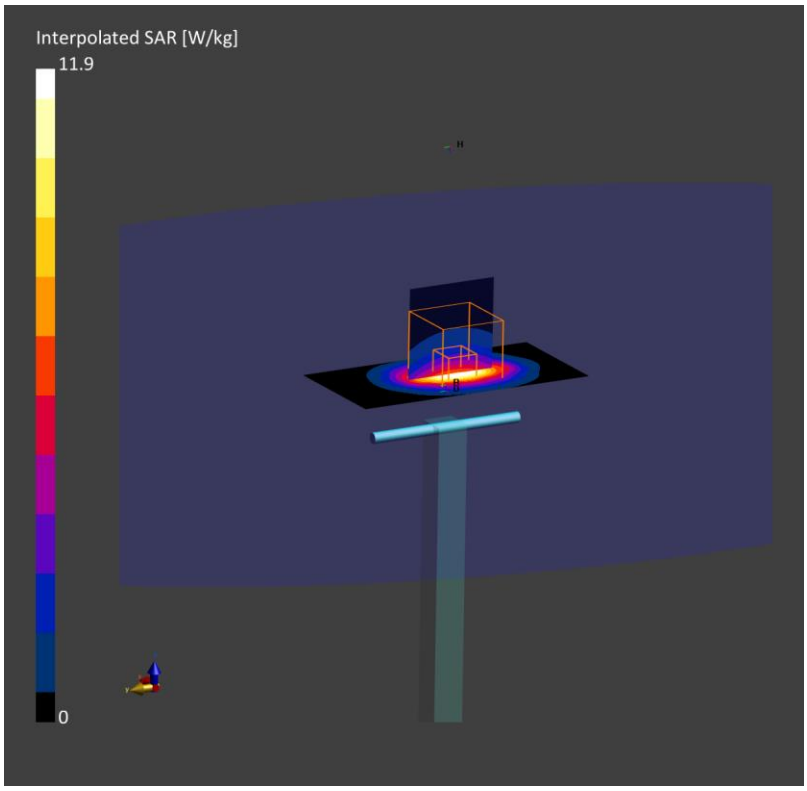
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 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	2021-09-20, 08:06	2021-09-20, 08:12
psSAR1g [W/Kg]	5.52	5.46
psSAR10g [W/Kg]	2.55	2.53
Power Drift [dB]	-0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



Approved By

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.5
Date:	9/9/2021	Liquid Temperature (°C):	23
		Humidity (%RH):	53.3
		Bar. Pressure (mb):	1017

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1066	5200.0	HSL	20.0	-8.5	-5.3	-8.6	2.3

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	5200.0, 0	5.13	4.57	36.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-09	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

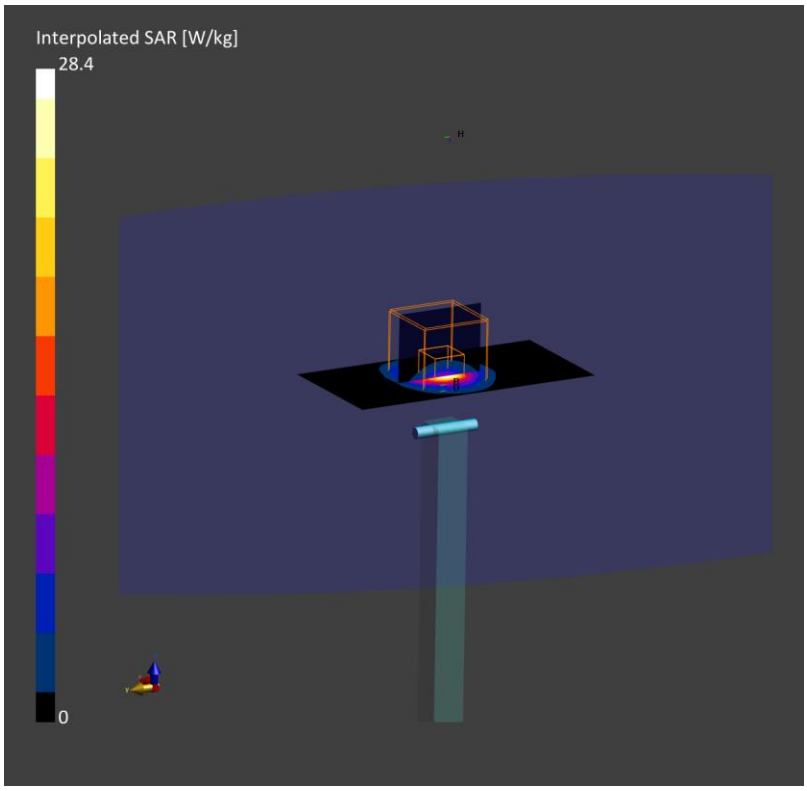
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 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	2021-09-09, 13:11	2021-09-09, 13:21
psSAR1g [W/Kg]	6.70	7.36
psSAR10g [W/Kg]	1.98	2.15
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



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APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.3
Date:	9/13/2021	Liquid Temperature (°C):	20
		Humidity (%RH):	54.3
		Bar. Pressure (mb):	1017

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1066	5500.0	HSL	20.0	-5.7	-4.5	-4.3	2.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	5500.0, 0	4.59	4.98	35.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-13	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

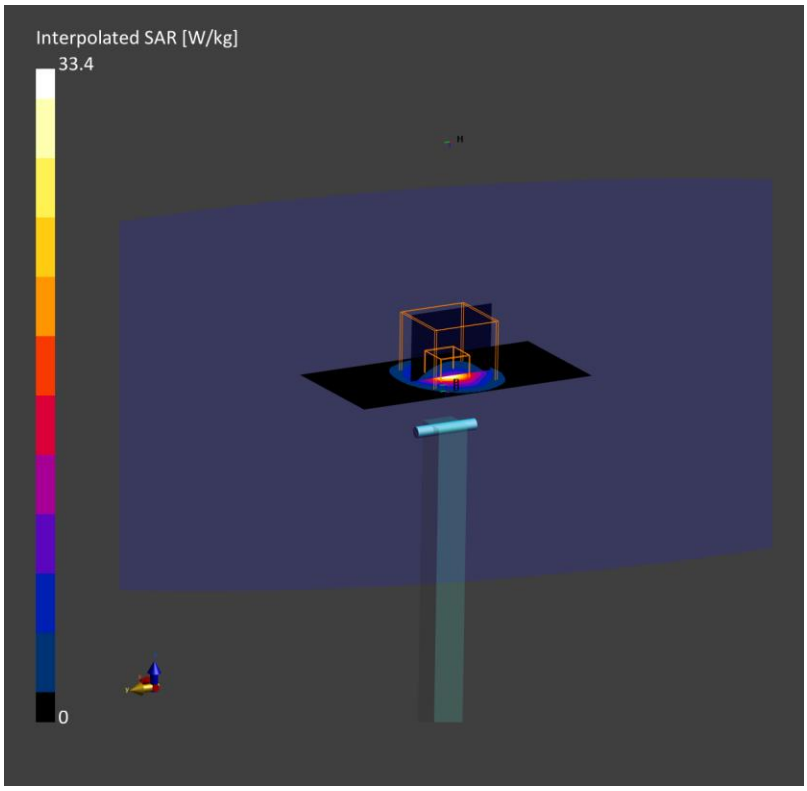
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 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	2021-09-13, 08:21	2021-09-13, 08:29
psSAR1g [W/Kg]	7.79	8.15
psSAR10g [W/Kg]	2.20	2.32
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



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APPENDIX B: SAR SYSTEM VERIFICATION PLOTS

element
WSSV.2016.12.19

Tested By:	Marcelo Aguayo	Room Temperature (°C):	21.3
Date:	9/13/2021	Liquid Temperature (°C):	20
		Humidity (%RH):	54.3
		Bar. Pressure (mb):	1017

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1066	5800.0	HSL	20.0	-4.2	-2.6	-1.3	-2.4

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	5800.0, 0	4.46	5.29	35.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2044	HBBL-600-10000 Charge: 210825-1, 2021-Sep-13	EX3DV4 - SN3746, 2020-11-18	DAE4 Sn1237, 2020-11-04

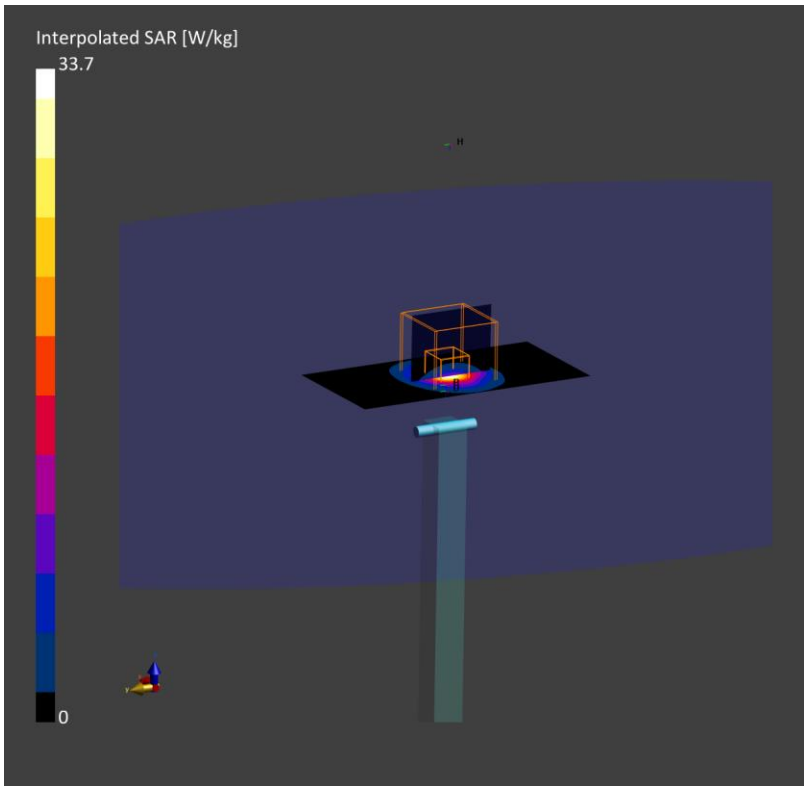
Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 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	2021-09-13, 08:41	2021-09-13, 08:49
psSAR1g [W/Kg]	7.43	7.76
psSAR10g [W/Kg]	2.09	2.21
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

APPENDIX B: SAR SYSTEM VERIFICATION PLOTS



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