

7. LTE Band 13, QPSK - 10MHz, CH23230, Top edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 13, E-UTRA/FDD	LTE-FDD, 10175-CAG	782.0, 23230	10.05	0.96	53.4

Hardware Setup

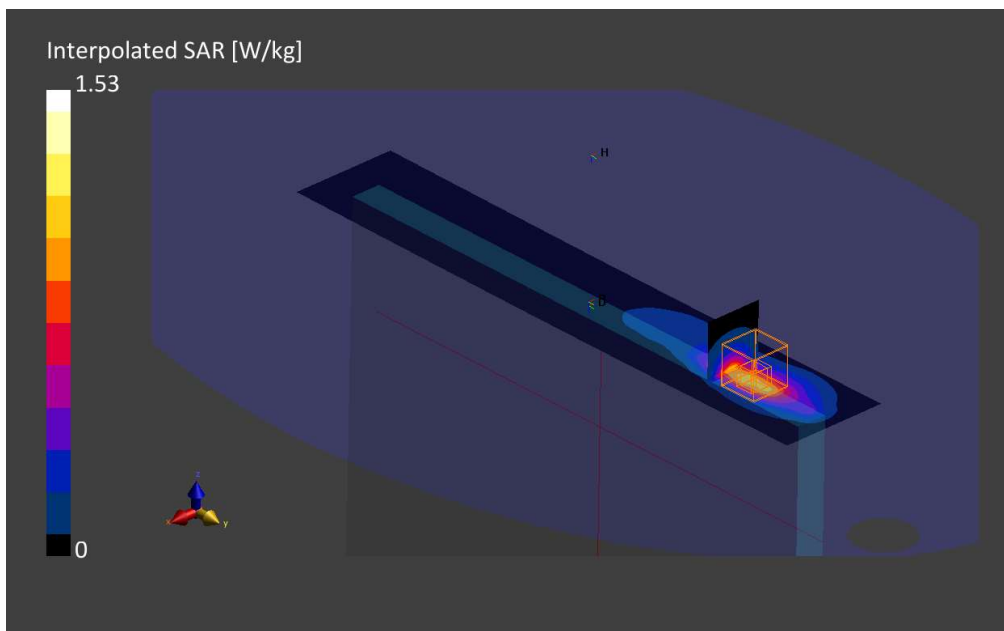
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.4 x 5.4 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 12:48	2021-11-23, 13:01
psSAR1g [W/kg]	0.952	1.00
psSAR10g[W/kg]	0.556	0.503
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		71.7
Dist3dBPeak[mm]		7.6



8. LTE Band 14, QPSK - 10MHz, CH23330, Top edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 14, E-UTRA/FDD	LTE-FDD, 10175-CAG	793.0, 23330	10.05	0.96	53.4

Hardware Setup

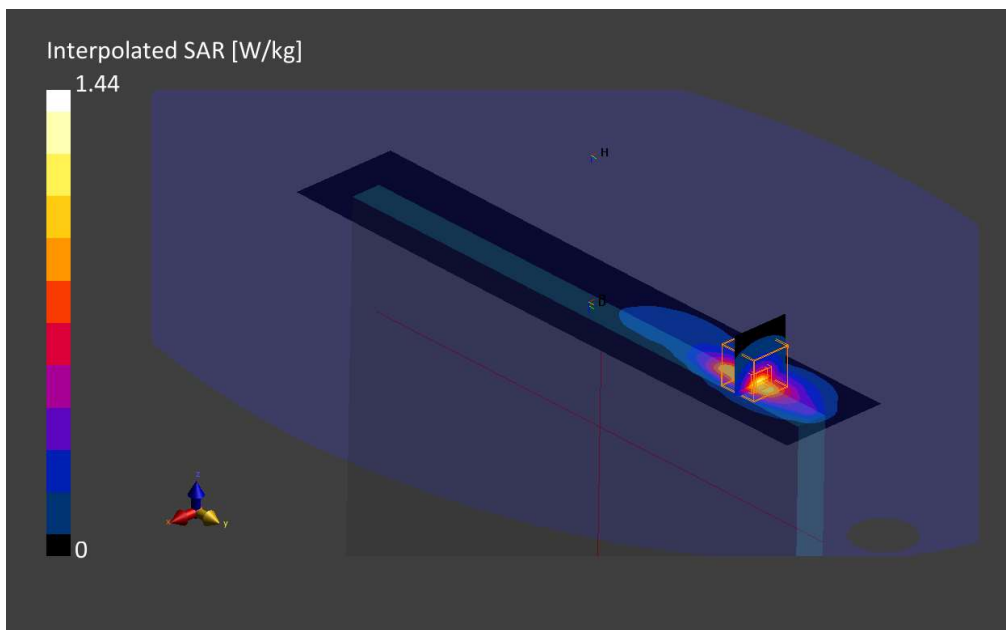
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.4 x 5.4 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 10:27	2021-11-23, 10:40
psSAR1g [W/kg]	0.927	0.969
psSAR10g [W/kg]	0.537	0.482
Power Drift [dB]	-0.00	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		70.5
Dist3dBPeak[mm]		6.8



9. LTE Band 25, QPSK - 20MHz, CH26365, Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 25, E-UTRA/FDD	LTE-FDD, 10169-CAE	1882.5, 26365	7.97	1.57	51.1

Hardware Setup

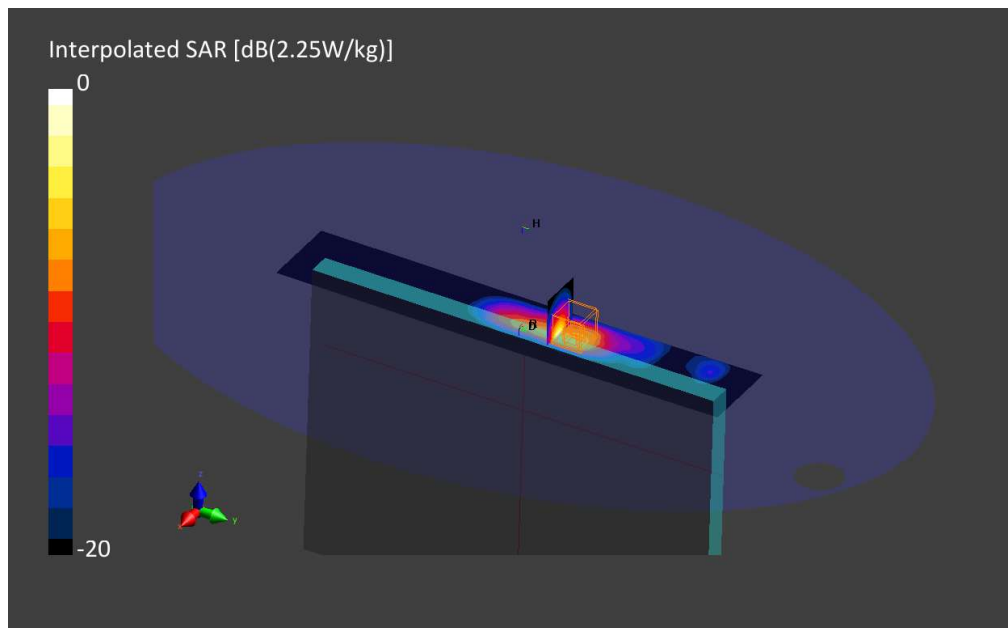
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 360.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.9 x 4.9 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-24, 20:36	2021-11-24, 20:45
psSAR1g [W/kg]	0.546	0.839
psSAR10g [W/kg]	0.295	0.376
Power Drift [dB]	0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		73.5
Dist 3dB Peak [mm]		6.2



10. LTE Band 26, QPSK - 15MHz, CH26865, Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 26 E-UTRA/FDD	LTE-FDD, 10181-CAE	831.5, 26865	9.79	0.98	53.3

Hardware Setup

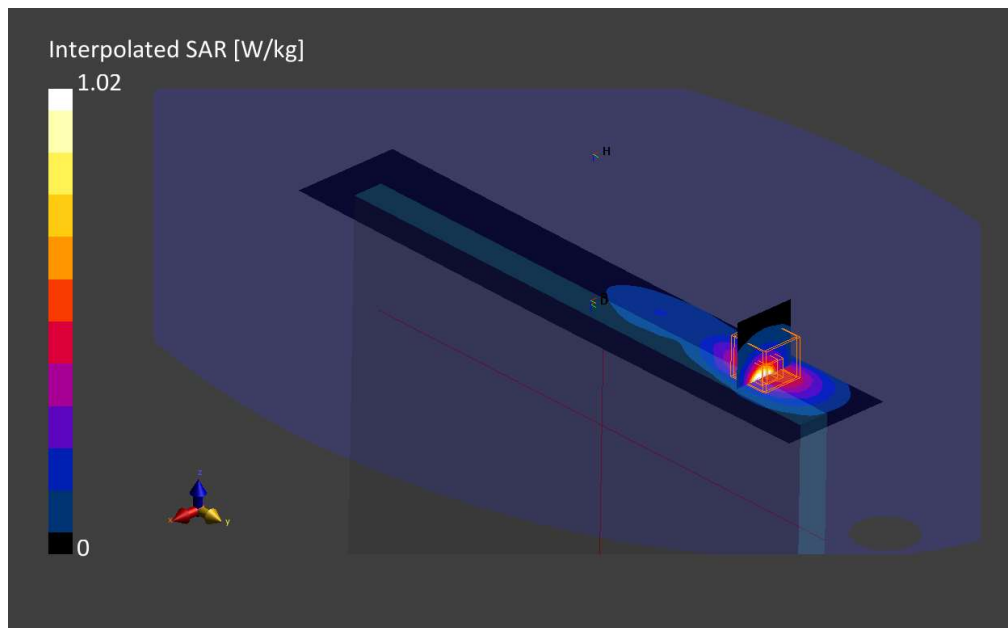
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.9 x 4.9 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 18:22	2021-11-23, 18:31
psSAR1g [W/kg]	0.524	0.723
psSAR10g[W/kg]	0.332	0.352
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction [dB]	Positive Only	Positive Only
M2/M1 [%]		68.7
Dist3dBPeak[mm]		5.9



11. LTE Band 30, QPSK - 10MHz, CH27710, Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 30, E-UTRA/FDD	LTE-FDD, 10175-CAG	2310.0, 27710	7.45	1.85	50.9

Hardware Setup

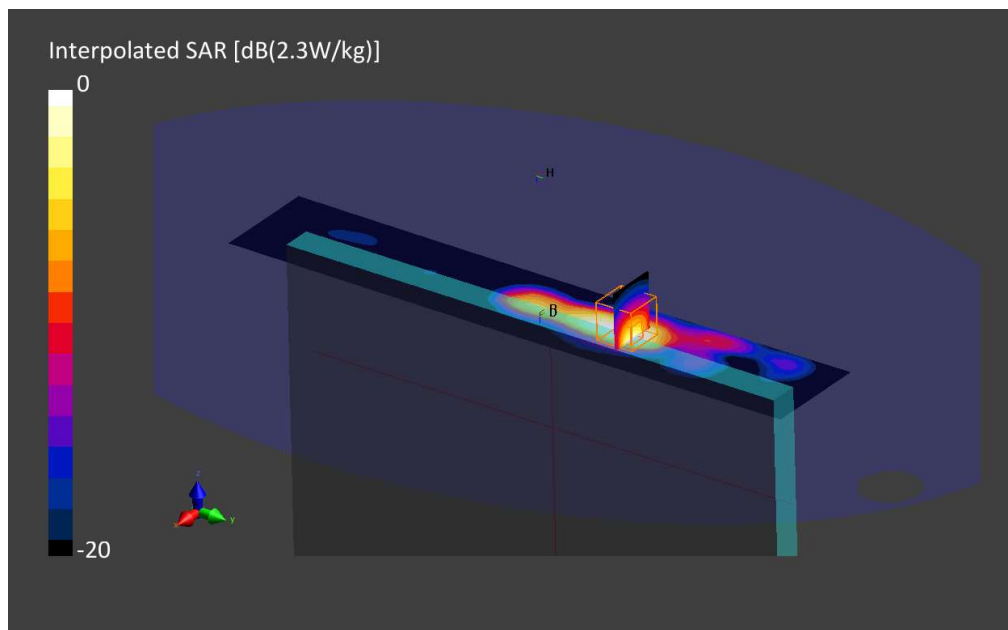
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-29	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 340.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-30, 20:28	2021-11-30, 20:35
psSAR1g [W/kg]	0.900	0.947
psSAR10g [W/kg]	0.410	0.401
Power Drift [dB]	-0.02	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		74.1
Dist3dBPeak[mm]		7.0



12. LTE Band 41, QPSK - 20MHz, CH40620, Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 41, E-UTRA/TDD	LTE-TDD, 10435-AAF	2593.0, 40620	7.3	2.18	50.2

Hardware Setup

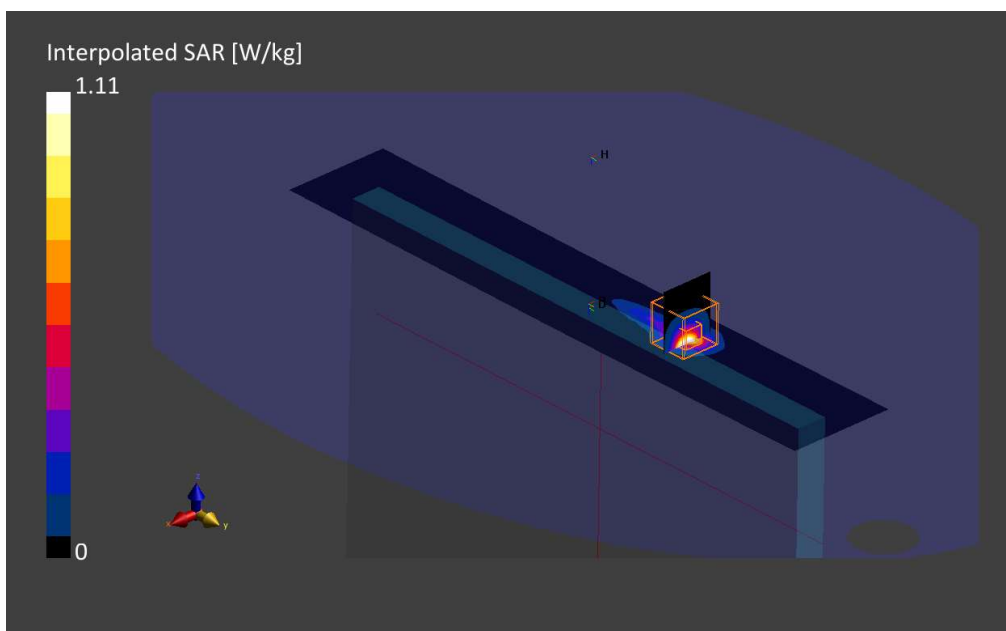
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 340.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 20:54	2021-11-23, 21:01
psSAR1g [W/kg]	0.652	0.655
psSAR10g W/kg]	0.252	0.247
Power Drift [dB]	-0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		73.1
Dist3dBPeak[mm]		6.1



13. LTE Band 48, QPSK - 20MHz, CH55990, Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 48, E-UTRA/TDD	LTE-TDD, 10435-AAF	3625.0, 55990	6.88	3.30	48.4

Hardware Setup

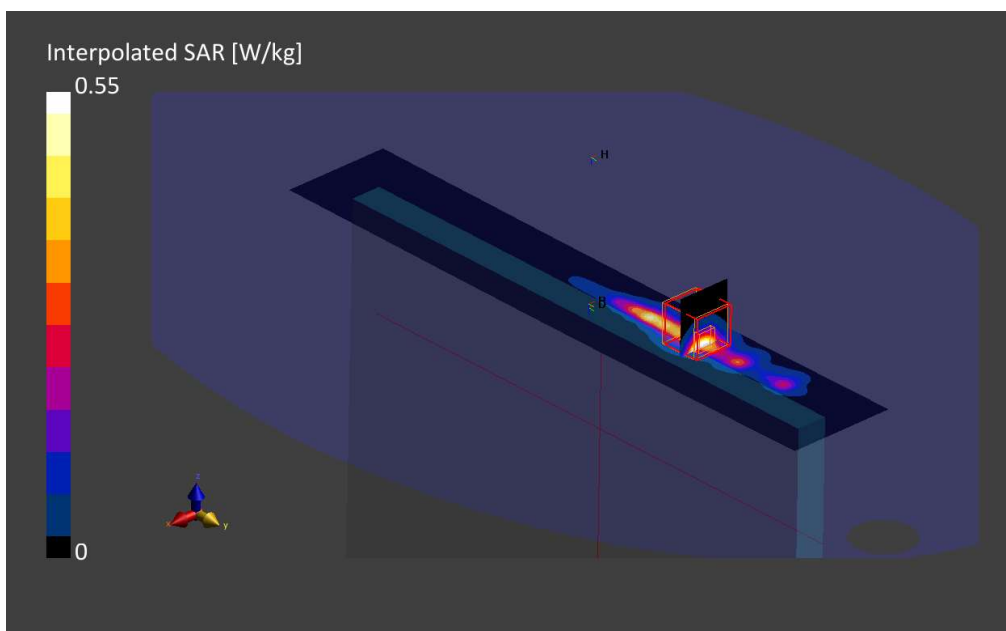
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 340.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-24, 10:10	2021-11-24, 10:16
psSAR1g [W/kg]	0.345	0.352
psSAR10g[W/kg]	0.134	0.136
Power Drift [dB]	-0.03	0.05
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction [dB]	Positive Only	Positive Only
M2/M1 [%]		74.4
Dist3dBPeak[mm]		7.2



14. LTE Band 66, QPSK - 20MHz, CH132572, Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609DK	Convertible PC

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, MSL	EDGE TOP, 0.00	Band 66, E-UTRA/FDD	LTE-FDD, 10169-CAE	1770.0, 132572	8.26	1.49	51.2

Hardware Setup

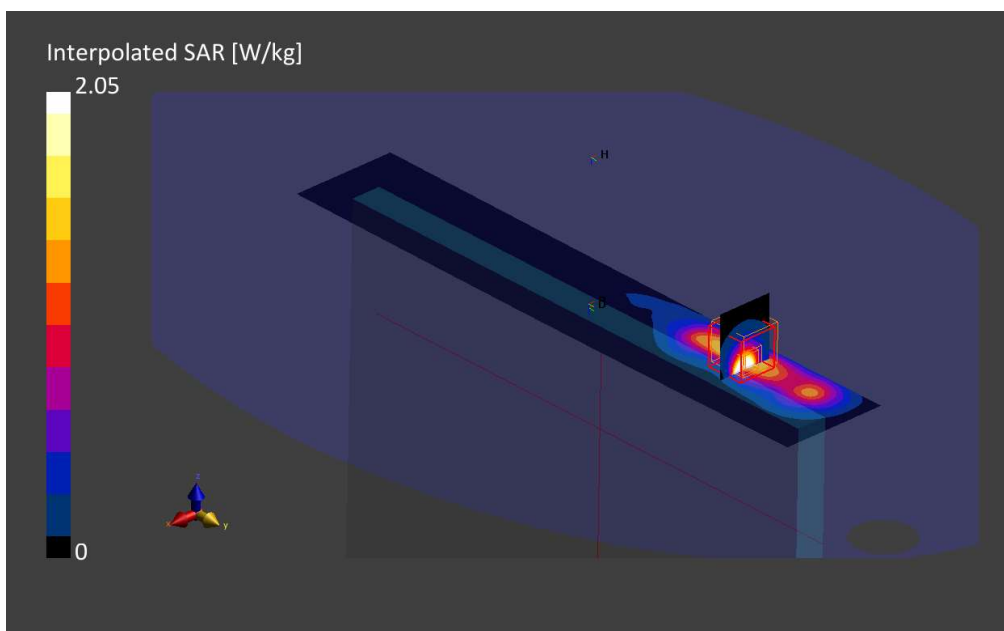
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.5 x 4.5 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-24, 08:34	2021-11-24, 08:44
psSAR1g [W/kg]	0.564	0.750
psSAR10g[W/kg]	0.293	0.316
Power Drift [dB]	0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		71.3
Dist3dBPeak[mm]		5.4



15.5G NR FR1 Band 2, QPSK - 20MHz, CH376000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n2	5G NR FR1 FDD, 10931-AAB	1880.0, 376000	8.62	1.49	51.6

Hardware Setup

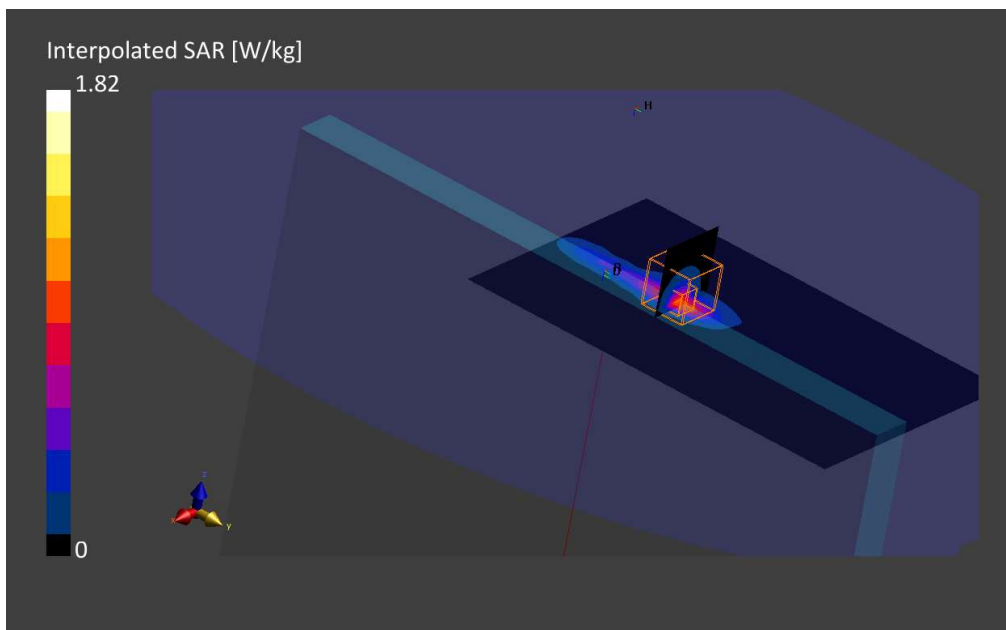
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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	5.8 x 5.8 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-16, 18:57	2021-11-16, 19:16
psSAR1g [W/kg]	0.829	0.847
psSAR10g [W/kg]	0.385	0.371
Power Drift [dB]	0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		82.2
Dist3dBPeak[mm]		6.2



16.5G NR FR1 Band 5, QPSK - 20MHz, CH167300 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n5	5G NR FR1 FDD, 10931-AAB	836.5, 167300	10.82	0.94	53.2

Hardware Setup

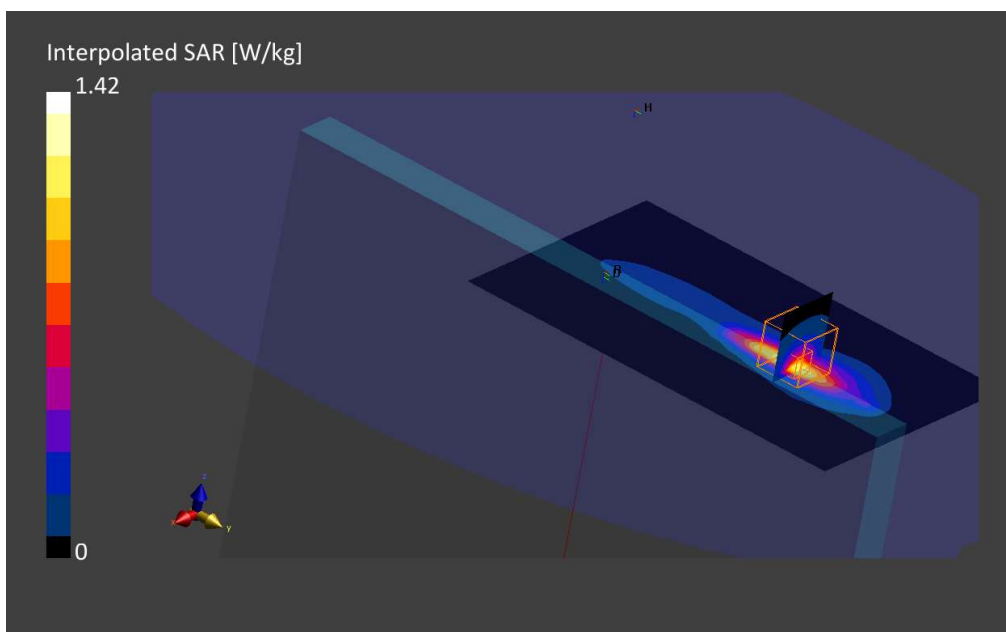
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000 , 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-17, 19:08	2021-11-17, 19:24
psSAR1g [W/kg]	0.795	0.894
psSAR10g[W/kg]	0.465	0.438
Power Drift [dB]	-0.06	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		67.8
Dist3dBPeak[mm]		6.4



17.5G NR FR1 Band 7, QPSK - 20MHz, CH507000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n7	5G NR FR1 FDD, 10947-AAB	2535.0, 507000	8.1	2.06	49.5

Hardware Setup

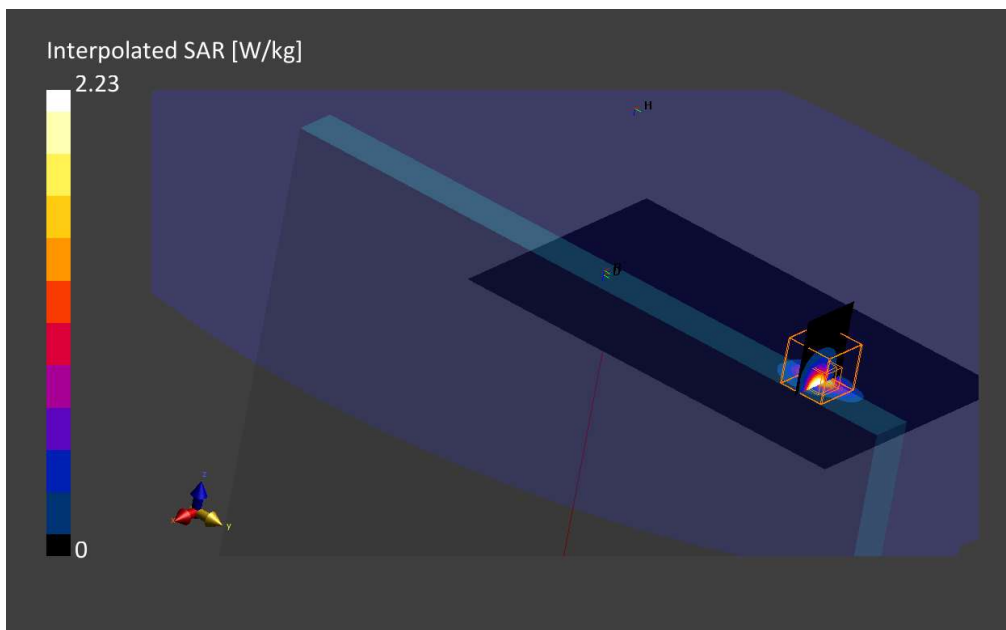
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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	4.4 x 4.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-16, 23:06	2021-11-16, 23:19
psSAR1g [W/kg]	1.17	1.32
psSAR10g[W/kg]	0.412	0.460
Power Drift [dB]	0.01	0.14
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		72.1
Dist3dBPeak[mm]		5.6



18.5G NR FR1 Band 25, QPSK - 20MHz, CH381000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n25	5G NR FR1 FDD, 10931-AAB	1905.0, 381000	8.62	1.51	51.6

Hardware Setup

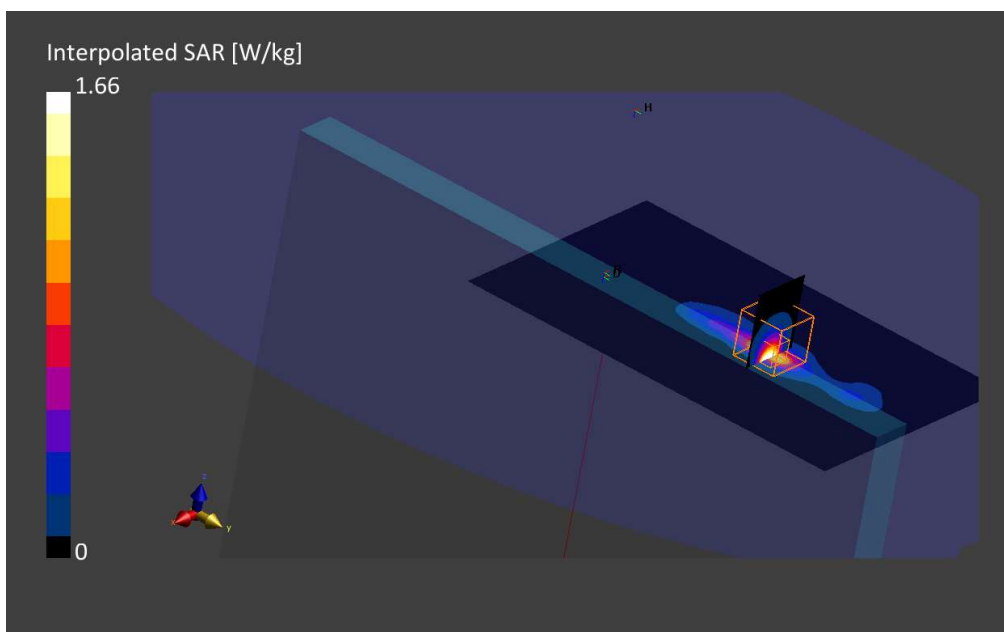
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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	5.4 x 5.4 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-16, 20:05	2021-11-16, 20:15
psSAR1g [W/kg]	0.956	1.01
psSAR10g[W/kg]	0.435	0.411
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		76.5
Dist3dBPeak[mm]		5.5



19.5G NR FR1 Band 30, QPSK - 10MHz, CH462000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n30	5G NR FR1 FDD, 10929-AAB	2310.0, 462000	8.33	1.81	51.1

Hardware Setup

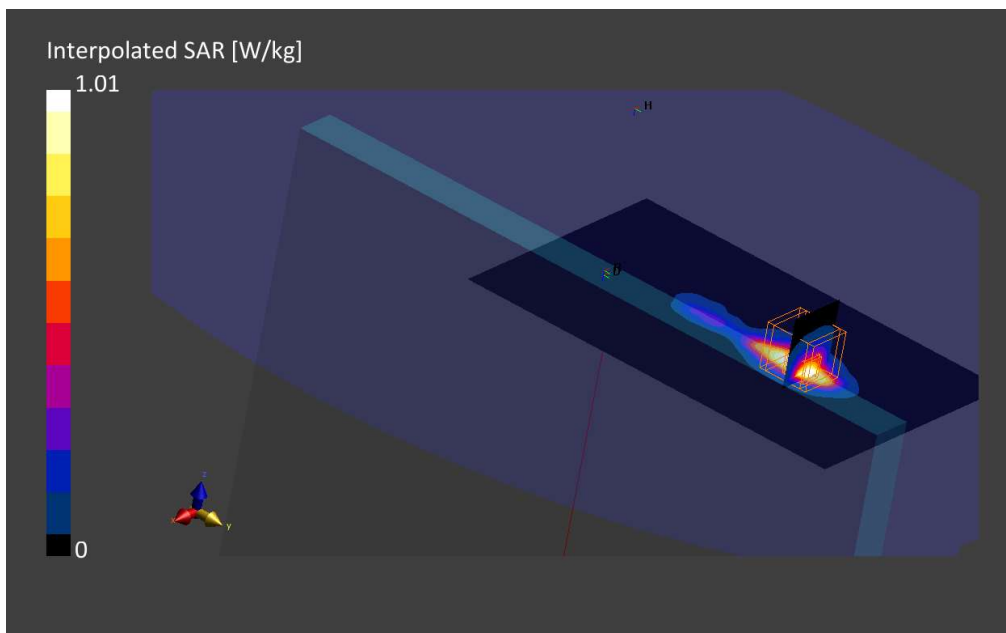
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-17, 20:29	2021-11-17, 20:39
psSAR1g [W/kg]	0.832	0.830
psSAR10g[W/kg]	0.384	0.378
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction [dB]	Positive Only	Positive Only
M2/M1 [%]		75.2
Dist3dBPeak[mm]		7.0



20.5G NR FR1 Band 38, QPSK - 10MHz, CH519000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n38	5G NR FR1 TDD, 10903-AAB	2595.0, 519000	8.1	2.19	51.5

Hardware Setup

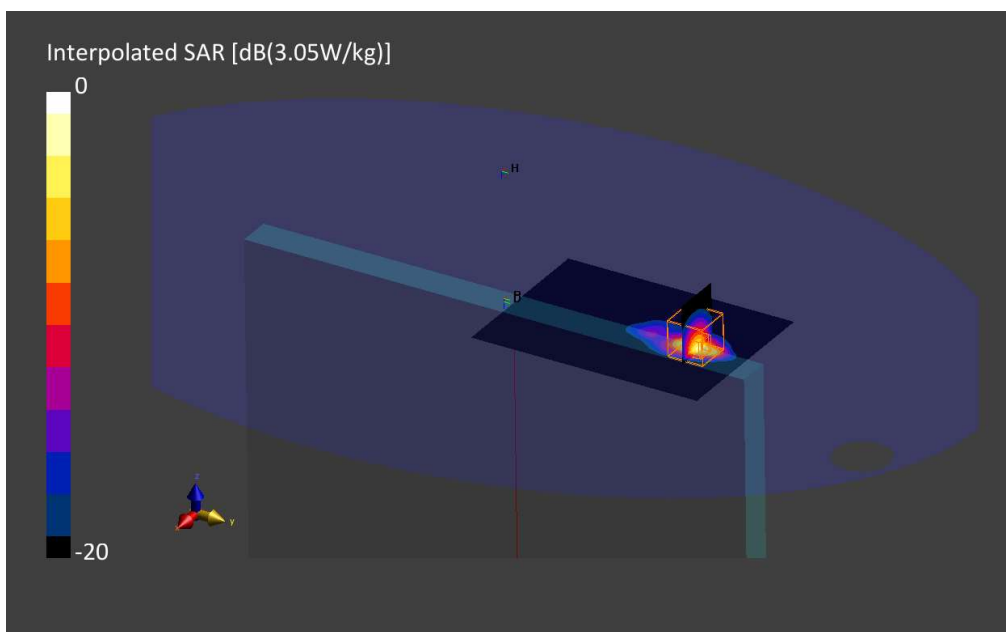
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Dec-02	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-12-03, 12:11	2021-12-03, 12:24
psSAR1g [W/kg]	0.987	1.06
psSAR10g[W/kg]	0.333	0.355
Power Drift [dB]	-0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		72.5
Dist3dBPeak[mm]		6.3



21.5G NR FR1 Band 41, QPSK - 100MHz, CH518598 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n41	5G NR FR1 TDD, 10973-AAA	2593.0, 518598	8.1	2.19	51.5

Hardware Setup

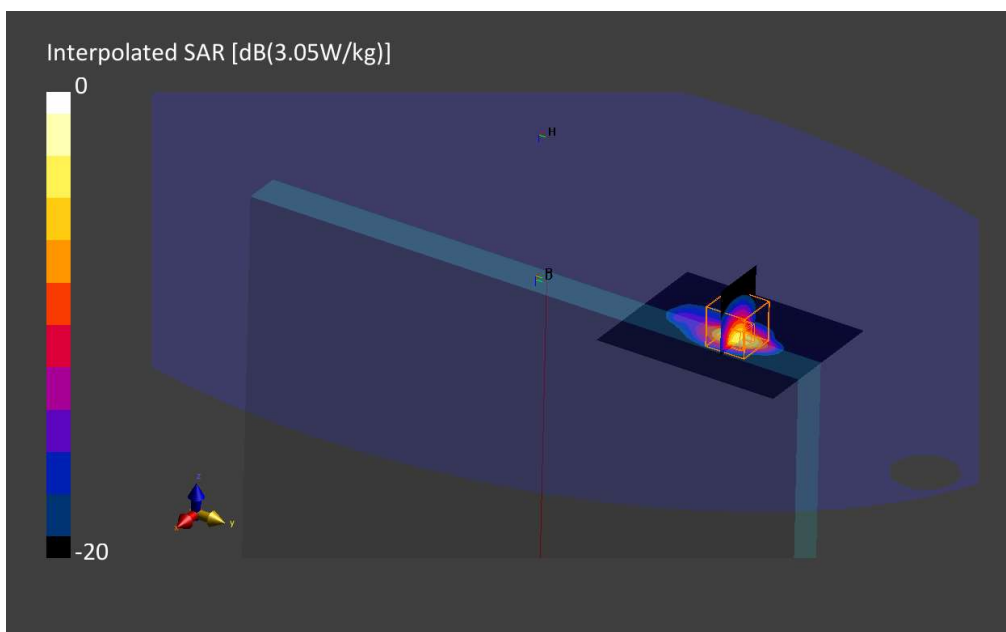
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Dec-02	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-12-03, 19:15	2021-12-03, 19:40
psSAR1g [W/kg]	0.997	1.02
psSAR10g[W/kg]	0.348	0.342
Power Drift [dB]	-0.10	0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		71.6
Dist3dBPeak[mm]		6.1



22.5G NR FR1 Band 66, QPSK - 40MHz, CH349000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n66	5G NR FR1 FDD, 10934-AAB	1745.0, 349000	9.02	1.40	51.9

Hardware Setup

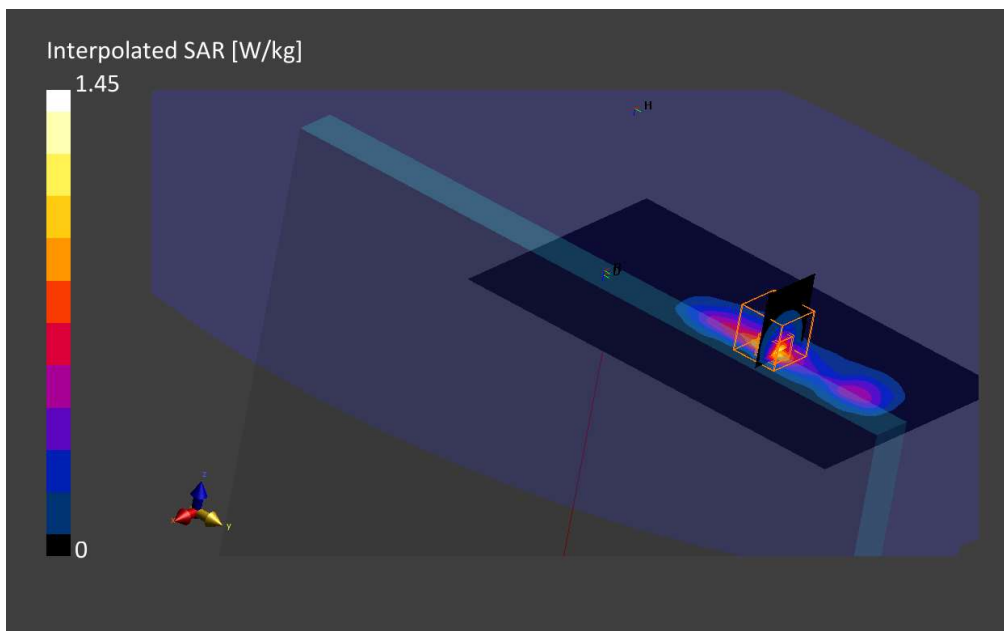
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

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	4.5 x 4.5 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-17, 20:53	2021-11-17, 21:19
psSAR1g [W/kg]	0.786	0.917
psSAR10g[W/kg]	0.388	0.394
Power Drift [dB]	-0.04	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction [dB]	Positive Only	Positive Only
M2/M1 [%]		73.0
Dist3dBPeak[mm]		4.5



23.5G NR FR1 Band 77, QPSK - 100MHz, CH650000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n77	5G NR FR1 TDD, 10973-AAA	3750.0, 650000	6.13	3.34	47.9

Hardware Setup

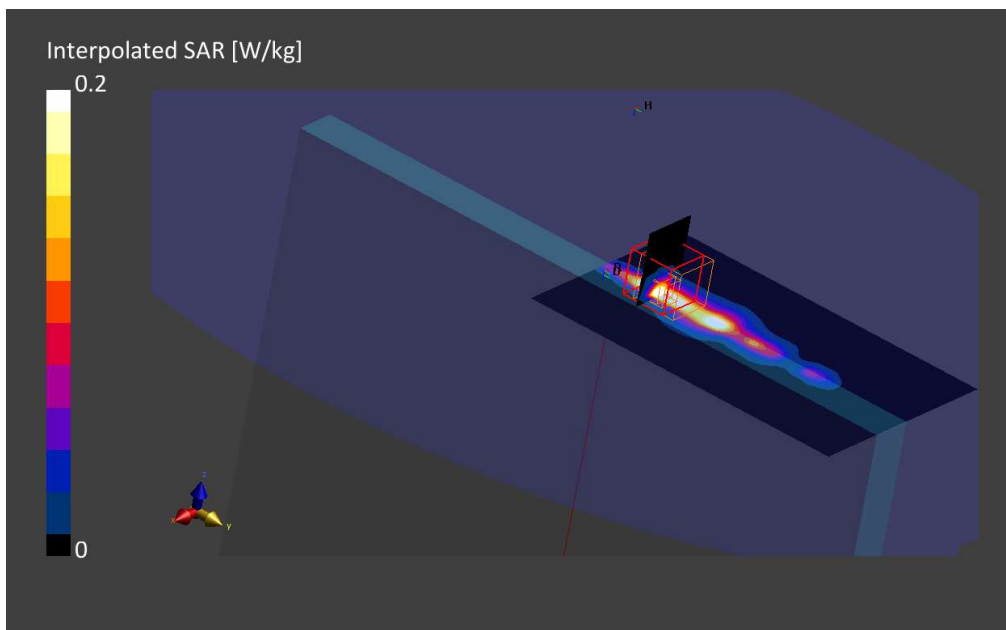
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Dec-02	EX3DV4 - SN7455, 2021-03-19	DAE4 Sn1517, 2021-03-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 160.0	28.0 x 28.0 x 28.0
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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-12-02, 17:46	2021-12-02, 17:56
psSAR1g [W/kg]	0.268	0.232
psSAR10g[W/kg]	0.107	0.087
Power Drift [dB]	0.01	0.07
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		74.0
Dist3dBPeak[mm]		4.9



24.5G NR FR1 Band 78, QPSK - 100MHz, CH650000 – Top Edge

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
HSN-I46C	225.0 x 315.0 x 17.0	00017609D3	Convertible PC

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, MSL	EDGE TOP, 0.00	Band n78	5G NR FR1 TDD, 10917-AAB	3750.0, 650000	6.13	3.34	47.9

Hardware Setup

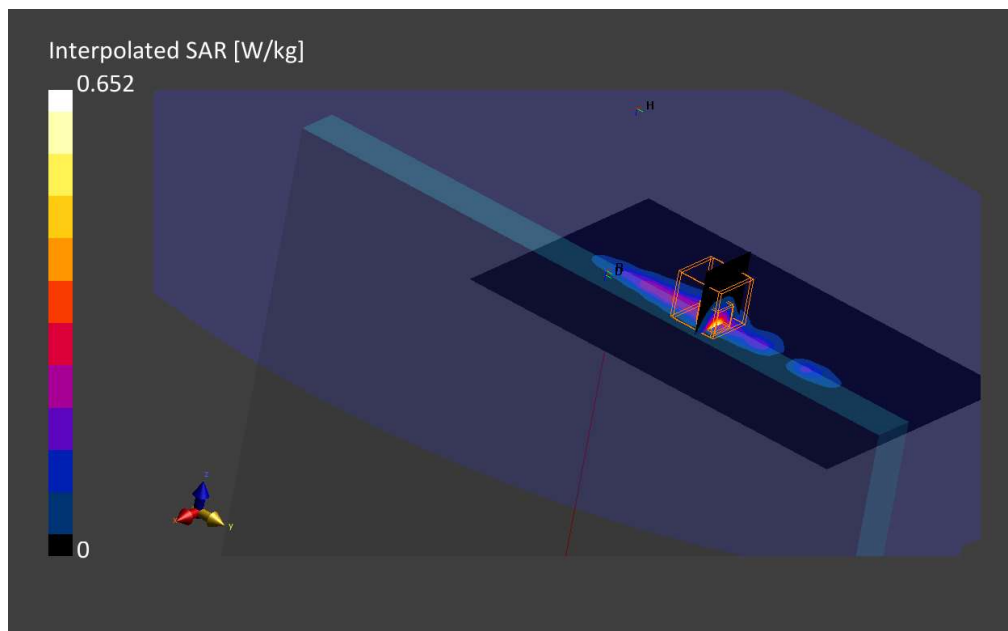
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Dec-02	EX3DV4 - SN7455, 2021-03-19	DAE4 Sn1517, 2021-03-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-12-02, 18:45	2021-12-02, 18:55
psSAR1g [W/kg]	0.334	0.377
psSAR10g[W/kg]	0.136	0.142
Power Drift [dB]	-0.05	0.07
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction [dB]	Positive Only	Positive Only
M2/M1 [%]		74.9
Dist3dBPeak[mm]		6.2



25. System Check Body Liquid 750MHz

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 750MHz, SPEAG	50.0 x 10.0 x 8.0	1136	Validation 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
Flat, MSL	,		, 0--	750.0, 0	10.05	0.94	53.5

Hardware Setup

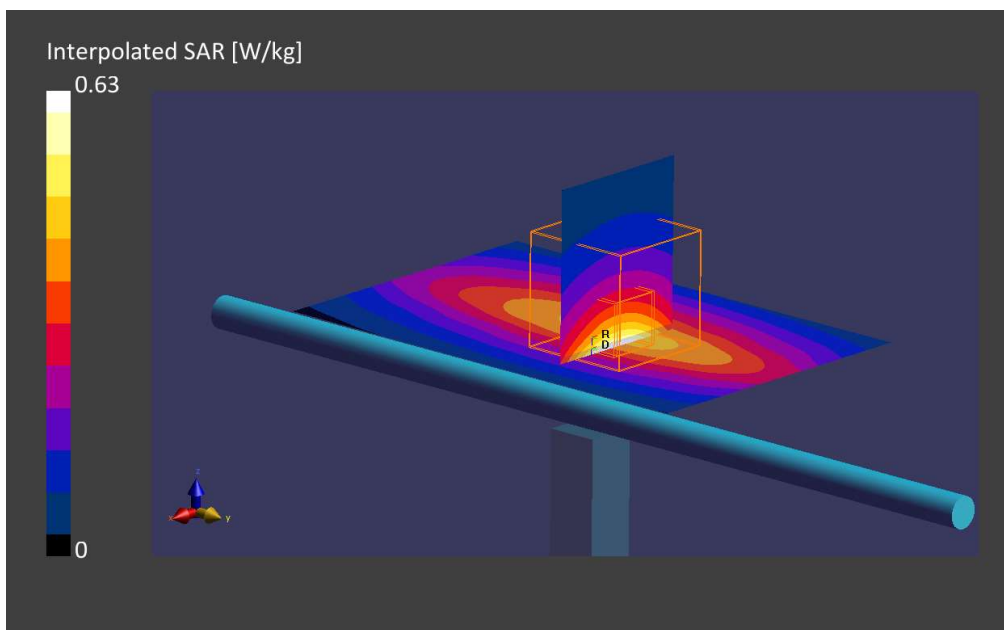
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 13:48	2021-11-23, 13:53
psSAR1g [W/kg]	0.392	0.402
psSAR10g[W/kg]	0.260	0.266
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		86.3
Dist3dBPeak[mm]		19.0



26. System Check Body Liquid 835MHz - 2021-11-23

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
Dipole 835MHz, SPEAG	50.0 x 10.0 x 10.0	4d192	Validation 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
Flat, MSL	,		, 0--	835.0, 0	9.79	0.98	53.3

Hardware Setup

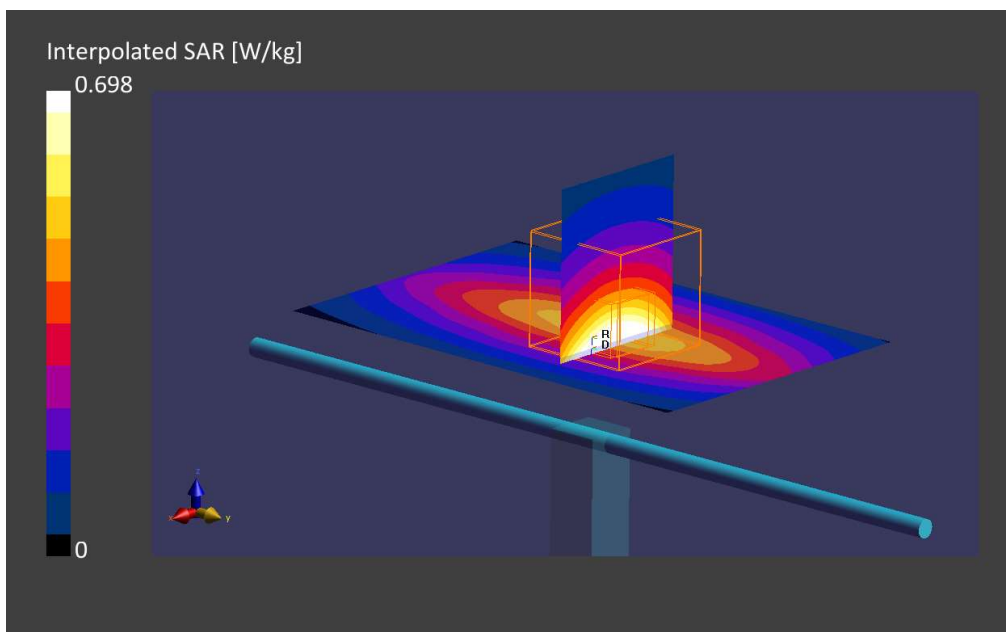
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 13:59	2021-11-23, 14:04
psSAR1g [W/kg]	0.446	0.455
psSAR10g[W/kg]	0.293	0.300
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		87.5
Dist3dBPeak[mm]		18.0



27. System Check Body Liquid 835MHz - 2021-11-17

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
Dipole 835MHz, SPEAG	50.0 x 10.0 x 10.0	4d192	Validation 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
Flat, MSL	,		, 0--	835.0, 0	10.82	0.93	53.2

Hardware Setup

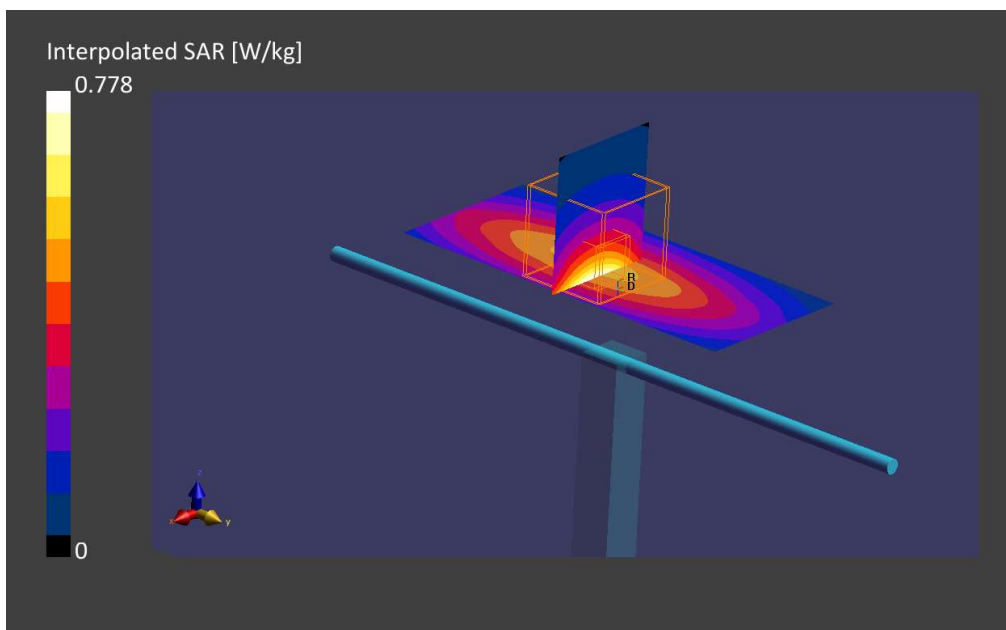
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-17, 18:04	2021-11-17, 18:10
psSAR1g [W/kg]	0.475	0.489
psSAR10g[W/kg]	0.313	0.320
Power Drift [dB]	-0.10	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		85.1
Dist 3d Peak[mm]		16.3



28. System Check Body Liquid 1750MHz – 2021-11-25

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
Dipole 1750MHz, SPEAG	50.0 x 10.0 x 8.0	1133	Validation 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
Flat, MSL	,		, 0--	1750.0, 0	8.26	1.48	51.2

Hardware Setup

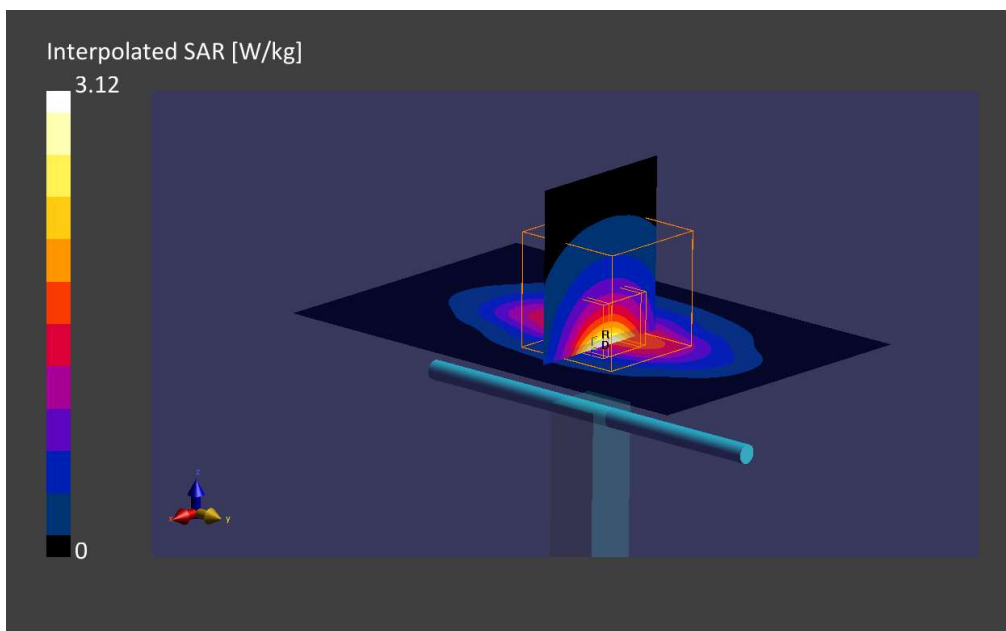
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-25, 16:56	2021-11-25, 17:01
psSAR1g [W/kg]	1.63	1.68
psSAR10g[W/kg]	0.850	0.903
Power Drift [dB]	-0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		82.6
Dist3dBPeak[mm]		9.9



29. System Check Body Liquid 1750MHz – 2021-11-24

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 1750MHz, SPEAG	50.0 x 10.0 x 17.0	1133	Validation 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
Flat, MSL	,		, 0--	1750.0, 0	8.26	1.48	51.2

Hardware Setup

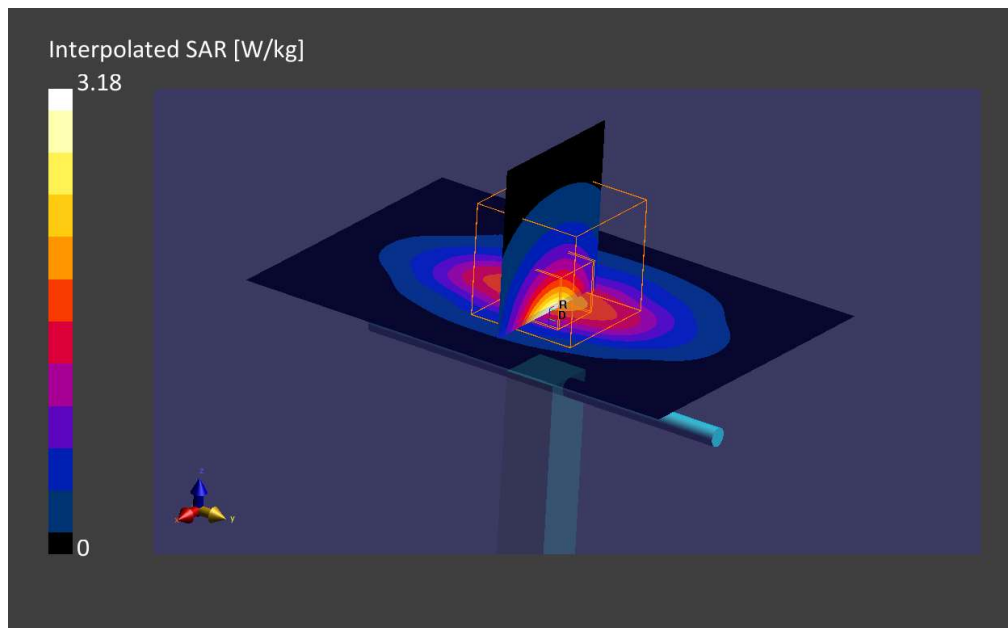
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-24, 17:48	2021-11-24, 17:53
psSAR1g [W/kg]	1.70	1.71
psSAR10g[W/kg]	0.890	0.920
Power Drift [dB]	0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction [dB]	Positive Only	Positive Only
M2/M1 [%]		82.0
Dist3dBPeak[mm]		9.6



30. System Check Body Liquid 1750MHz – 2021-11-17

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 1750MHz, SPEAG	50.0 x 10.0 x 17.0	1133	Validation 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
Flat, MSL	,		, 0--	1750.0, 0	9.02	1.41	51.9

Hardware Setup

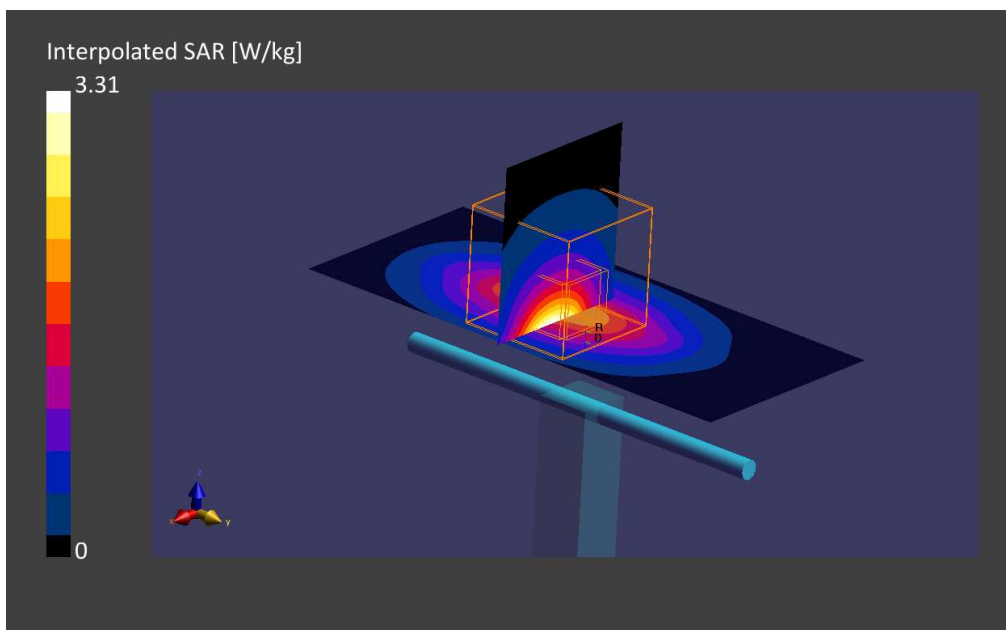
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-17, 16:58	2021-11-17, 17:04
psSAR1g [W/kg]	1.80	1.79
psSAR10g[W/kg]	0.951	0.952
Power Drift [dB]	-0.07	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		81.7
Dist3dBPeak[mm]		9.9



31. System Check Body Liquid 1900MHz - 2021-11-24

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 1900MHz, SPEAG	50.0 x 10.0 x 8.0	5d197	Validation 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
Flat, MSL	,		, 0--	1900.0, 0	7.97	1.58	51.0

Hardware Setup

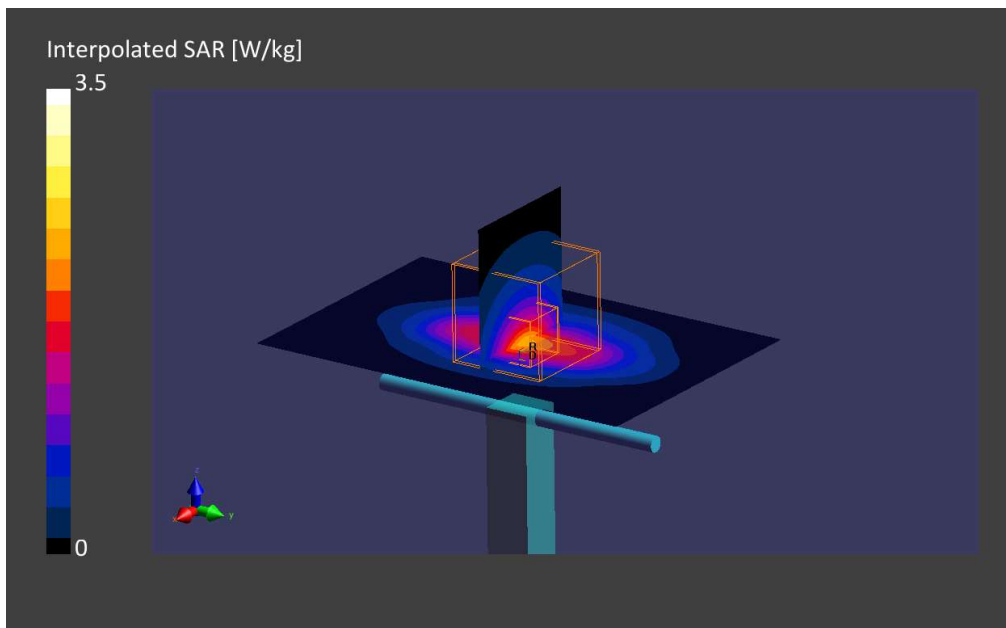
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-24, 17:36	2021-11-24, 17:41
psSAR1g [W/kg]	1.79	1.89
psSAR10g [W/kg]	0.910	0.996
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		82.9
Dist3dBPeak[mm]		9.6



32. System Check Body Liquid 1900MHz - 2021-11-25

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 1900MHz, SPEAG	50.0 x 10.0 x 8.0	5d197	Validation 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
Flat, MSL	,		, 0--	1900.0, 0	7.97	1.51	51.0

Hardware Setup

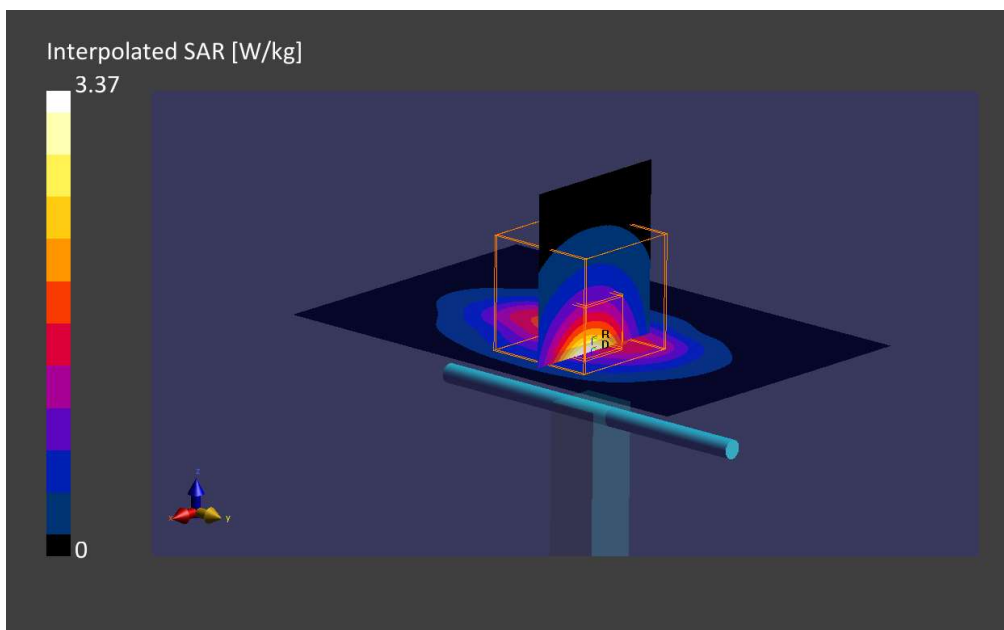
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-25	EX3DV4 - SN3978, 2021-05-21	DAE4 Sn1429, 2021-05-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-25, 16:24	2021-11-25, 16:29
psSAR1g [W/kg]	1.74	1.83
psSAR10g [W/kg]	0.898	0.969
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		82.6
Dist3dBPeak[mm]		9.6



33. System Check Body Liquid 1900MHz - 2021-11-16

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 1900MHz, SPEAG	50.0 x 10.0 x 8.0	5d197	Validation 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
Flat, MSL	,		, 0--	1900.0, 0	8.62	1.50	51.6

Hardware Setup

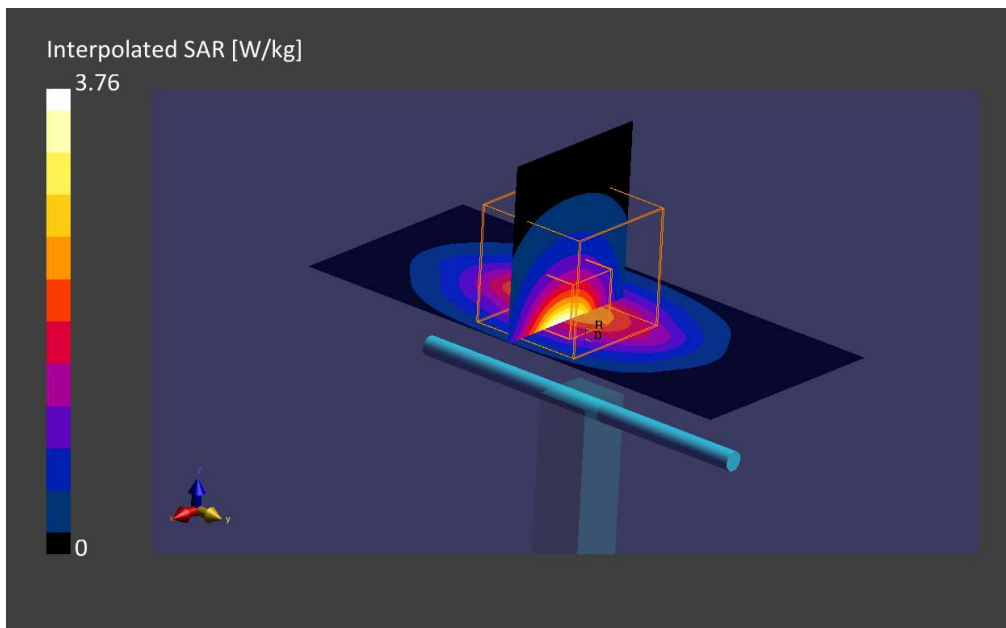
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-16, 17:32	2021-11-16, 17:38
psSAR1g [W/kg]	2.02	2.01
psSAR10g[W/kg]	1.03	1.05
Power Drift [dB]	-0.03	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		81.9
Dist3dBPeak[mm]		9.6



34. System Check Body Liquid 2300MHz - 2021-11-30

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2300MHZ, SPEAG	50.0 x 10.0 x 8.0	1046	Validation 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
Flat, MSL	,		, 0--	2300.0, 0	7.82	1.84	50.9

Hardware Setup

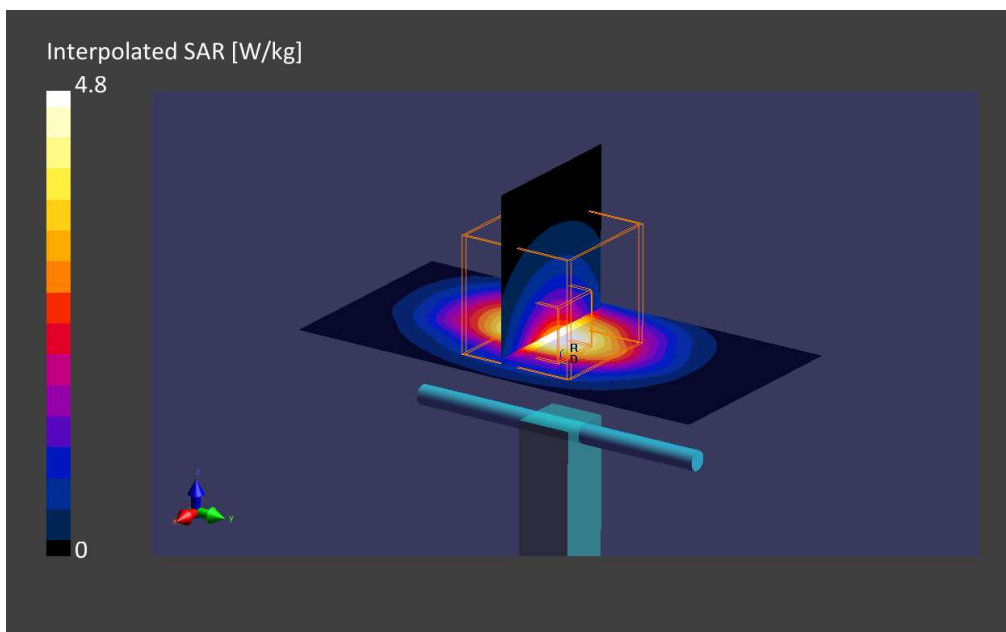
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-29	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-30, 19:35	2021-11-30, 19:44
psSAR1g [W/kg]	2.12	2.36
psSAR10g [W/kg]	1.04	1.13
Power Drift [dB]	-0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		80.3
Dist3dBPeak[mm]		8.2



35. System Check Body Liquid 2300MHz - 2021-11-17

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2300MHZ, SPEAG	50.0 x 10.0 x 8.0	1046	Validation 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
Flat, MSL	,		, 0--	2300.0, 0	8.33	1.81	51.1

Hardware Setup

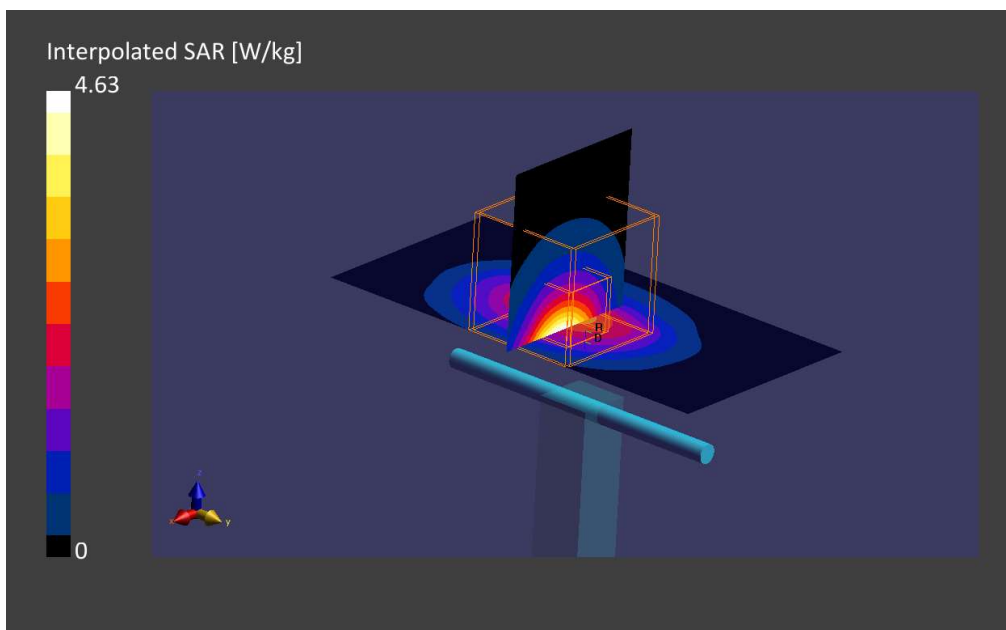
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	2021-11-17, 18:24	2021-11-17, 18:32
psSAR1g [W/kg]	2.28	2.35
psSAR10g[W/kg]	1.10	1.11
Power Drift [dB]	-0.03	0.00
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		82.3
Dist3dBPeak[mm]		9.0



36. System Check Body Liquid 2600MHz – 2021-11-22

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2600MHz, SPEAG	50.0 x 10.0 x 8.0	1100	Validation 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
Flat, MSL	,		, 0--	2600.0, 0	7.3	2.19	50.1

Hardware Setup

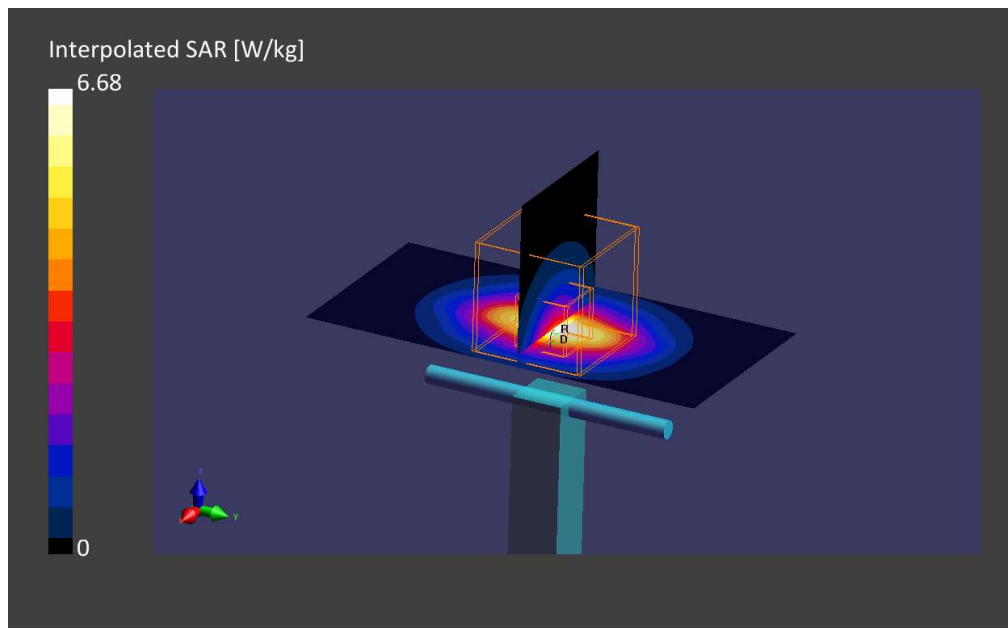
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-22, 17:37	2021-11-22, 17:43
psSAR1g [W/kg]	2.85	2.93
psSAR10g[W/kg]	1.23	1.28
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		76.8
Dist3dBPeak[mm]		8.0



37. System Check Body Liquid 2600MHz – 2021-11-23

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2600MHz, SPEAG	50.0 x 10.0 x 8.0	1100	Validation 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
Flat, MSL	,		, 0--	2600.0, 0	7.3	2.19	50.1

Hardware Setup

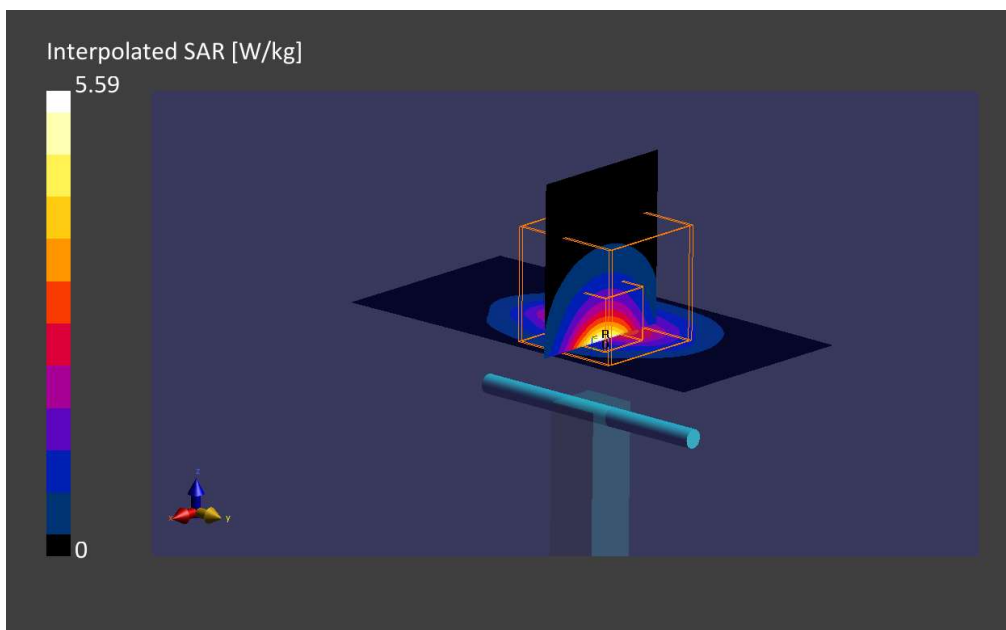
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Nov-22	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-23, 15:26	2021-11-23, 15:36
psSAR1g [W/kg]	2.52	2.58
psSAR10g[W/kg]	1.11	1.16
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		78.5
Dist3dBPeak[mm]		8.1



38. System Check Body Liquid 2600MHz – 2021-11-17

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2600MHz, SPEAG	50.0 x 10.0 x 8.0	1100	Validation 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
Flat, MSL	,		, 0--	2600.0, 0	8.1	2.10	50.7

Hardware Setup

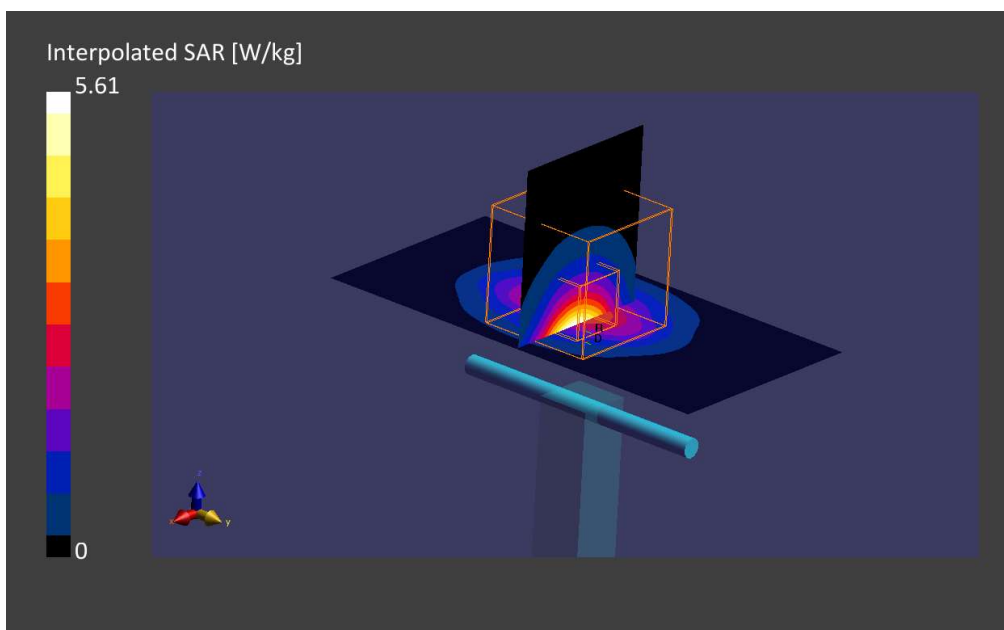
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-17, 17:14	2021-11-17, 17:22
psSAR1g [W/kg]	2.58	2.59
psSAR10g[W/kg]	1.13	1.15
Power Drift [dB]	-0.08	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		78.9
Dist3dBPeak[mm]		8.9



39. System Check Body Liquid 2600MHz – 2021-11-16

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2600MHz, SPEAG	50.0 x 10.0 x 8.0	1100	Validation 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
Flat, MSL	,		, 0--	2600.0, 0	8.1	2.10	50.7

Hardware Setup

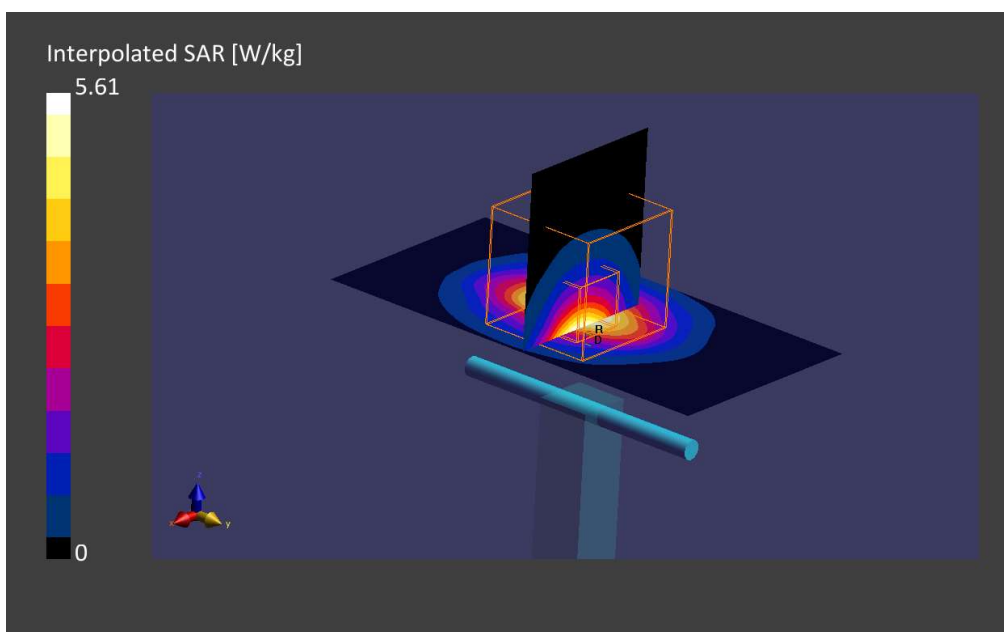
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) 2124	MBBL-600-6000, 2021-Nov-16	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-16, 17:14	2021-11-16, 17:22
psSAR1g [W/kg]	2.58	2.59
psSAR10g[W/kg]	1.13	1.15
Power Drift [dB]	-0.08	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		78.9
Dist3dBPeak[mm]		8.9



40. System Check Body Liquid 2600MHz – 2021-12-03

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	Serial Number	DUT Type
D2600MHz, SPEAG	50.0 x 10.0 x 8.0	1100	Validation 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
Flat, MSL	,		, 0--	2600.0, 0	8.1	2.20	51.5

Hardware Setup

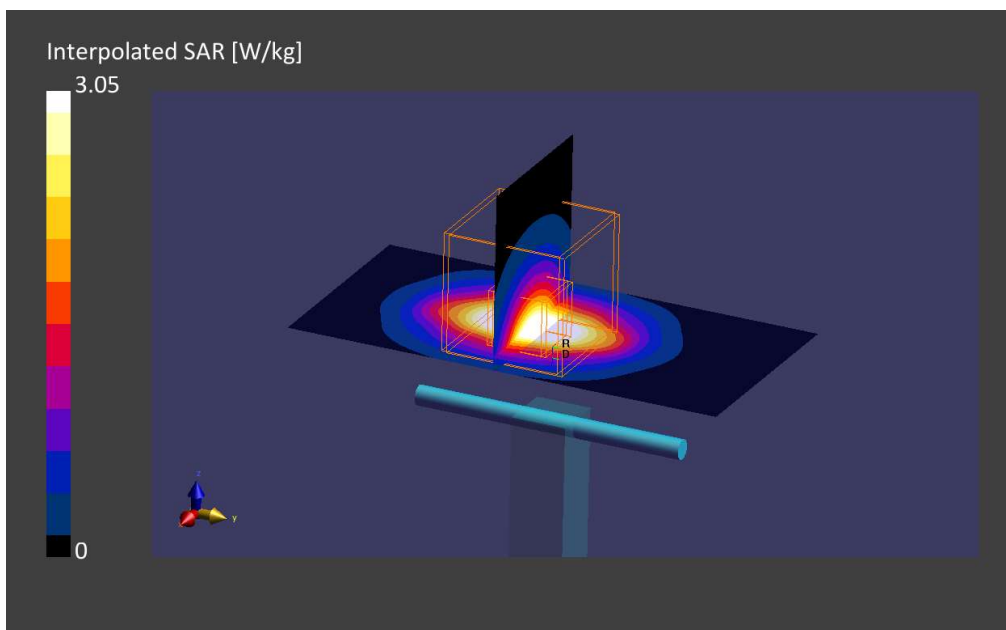
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) 2124	MBBL-600-6000, 2021-Dec-02	EX3DV4 - SN7604, 2021-08-16	DAE4 Sn1628, 2021-08-06

Scan 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	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-12-03, 14:43	2021-12-03, 14:51
psSAR1g [W/kg]	2.78	2.66
psSAR10g[W/kg]	1.22	1.18
Power Drift [dB]	-0.12	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		78.9
Dist3dBPeak[mm]		8.9



41. System Check Body Liquid 3700MHz

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	S/N	DUT Type
Dipole 3700MHz, SPEAG	50.0 x 10.0 x 8.0	1093	Validation 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
Flat, MSL	,		, 0--	3700.0, 0	6.13	3.29	48.0

Hardware Setup

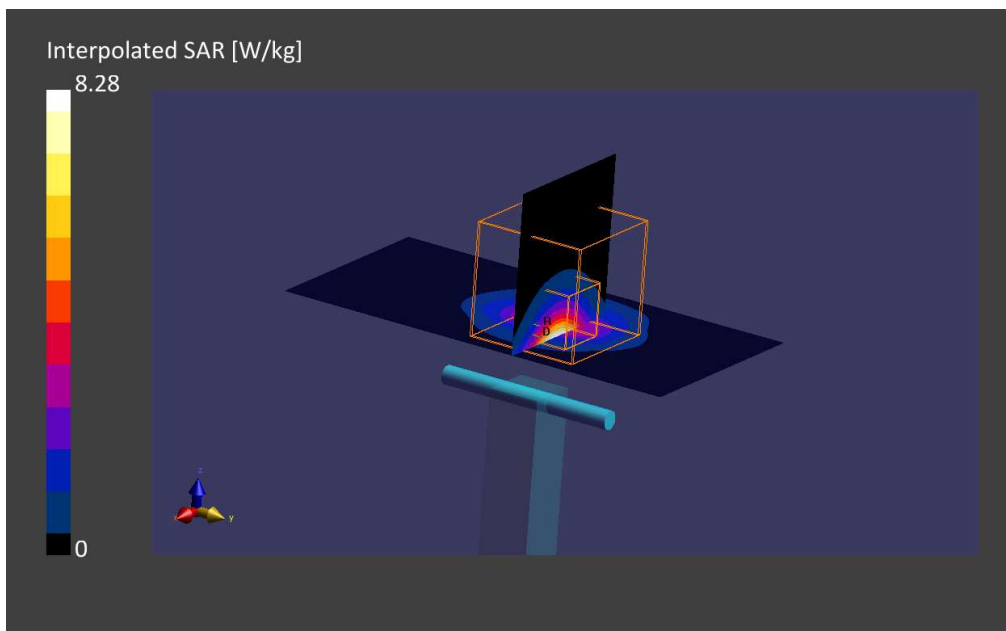
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	MBBL-600-6000, 2021-Dec-02	EX3DV4 - SN3978, 2021-05-21	DAE4ip Sn1658, 2021-08-04

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Confirmed by MAIA	Confirmed by MAIA
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2021-12-03, 15:11	2021-12-03, 15:17
psSAR1g [W/kg]	2.81	2.99
psSAR10g[W/kg]	1.03	1.10
Power Drift [dB]	-0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	Positive Only	Positive Only
M2/M1 [%]		73.2
Dist3dBPeak[mm]		7.6

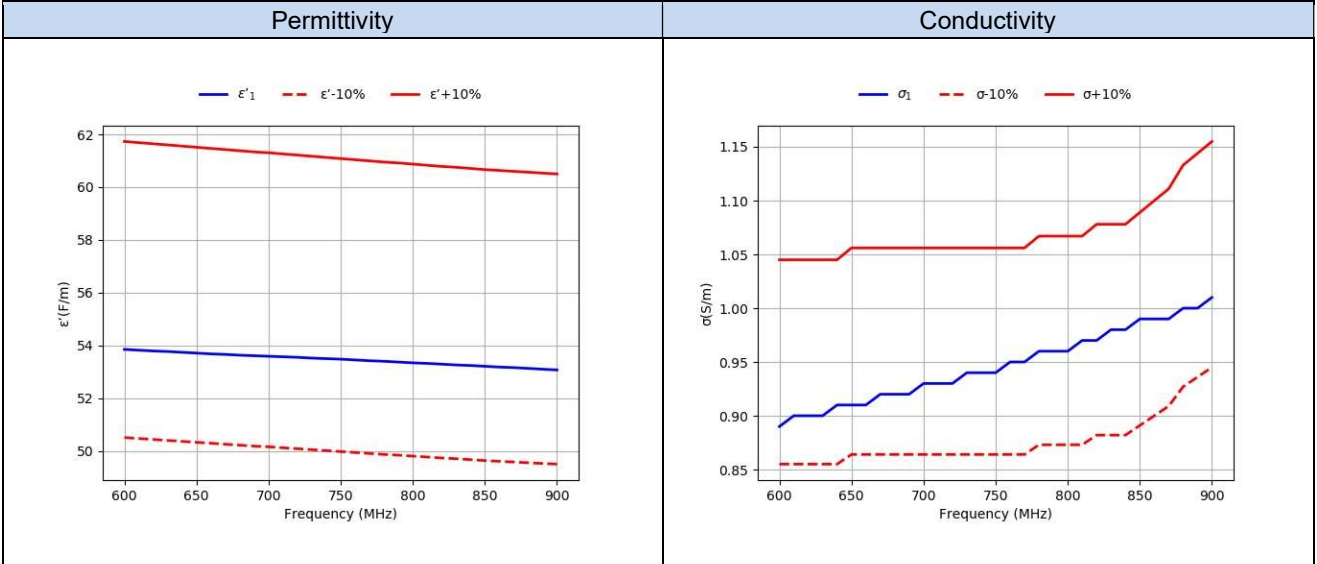


Annex D. TSL Dielectric Parameters

D.1 Body 600MHz-900MHz

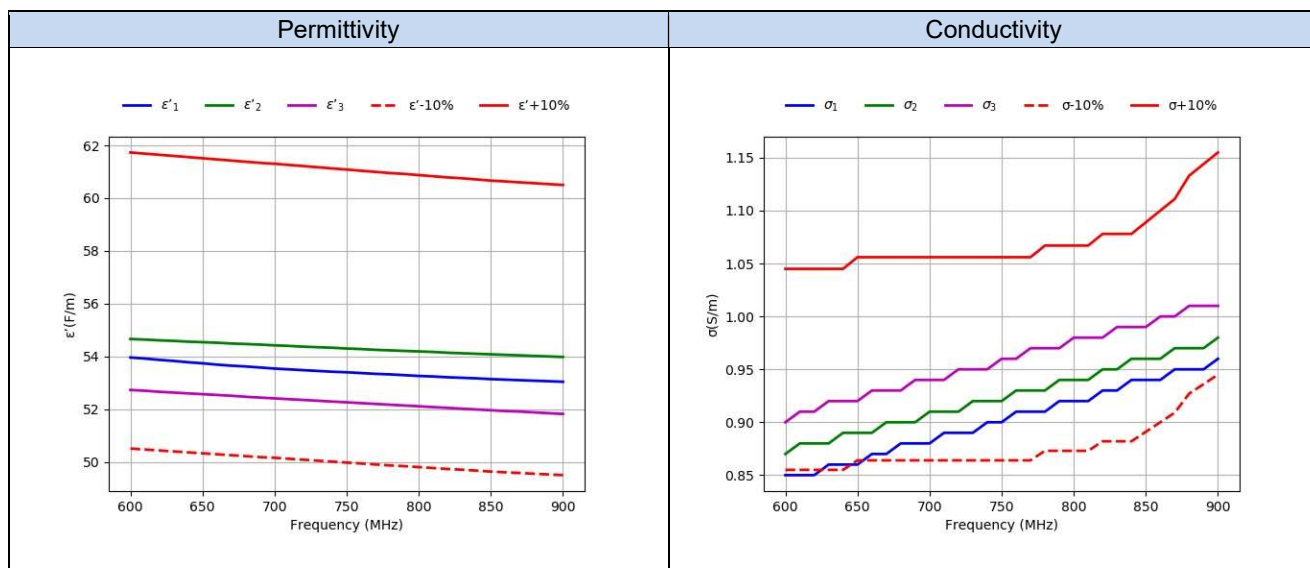
SAR System #2

Freq. (MHz)			2020-11-22	
	Target		Measured	
	ϵ' (F/m)	σ (S/m)	ϵ'_1 (F/m)	σ_1 (S/m)
600.0	56.12	0.95	53.85	0.89
610.0	56.08	0.95	53.82	0.9
620.0	56.04	0.95	53.79	0.9
630.0	56.0	0.95	53.77	0.9
640.0	55.96	0.95	53.74	0.91
650.0	55.92	0.96	53.71	0.91
660.0	55.88	0.96	53.68	0.91
670.0	55.84	0.96	53.66	0.92
680.0	55.8	0.96	53.63	0.92
690.0	55.76	0.96	53.61	0.92
700.0	55.73	0.96	53.59	0.93
710.0	55.69	0.96	53.57	0.93
720.0	55.65	0.96	53.55	0.93
730.0	55.61	0.96	53.52	0.94
740.0	55.57	0.96	53.5	0.94
750.0	55.53	0.96	53.48	0.94
760.0	55.49	0.96	53.45	0.95
770.0	55.45	0.96	53.42	0.95
780.0	55.41	0.97	53.4	0.96
790.0	55.38	0.97	53.37	0.96
800.0	55.34	0.97	53.34	0.96
810.0	55.3	0.97	53.32	0.97
820.0	55.26	0.98	53.29	0.97
830.0	55.23	0.98	53.26	0.98
840.0	55.19	0.98	53.24	0.98
850.0	55.15	0.99	53.21	0.99
860.0	55.12	1.0	53.18	0.99
870.0	55.09	1.01	53.16	0.99
880.0	55.06	1.03	53.13	1.0
890.0	55.03	1.04	53.1	1.0
900.0	55.0	1.05	53.07	1.01



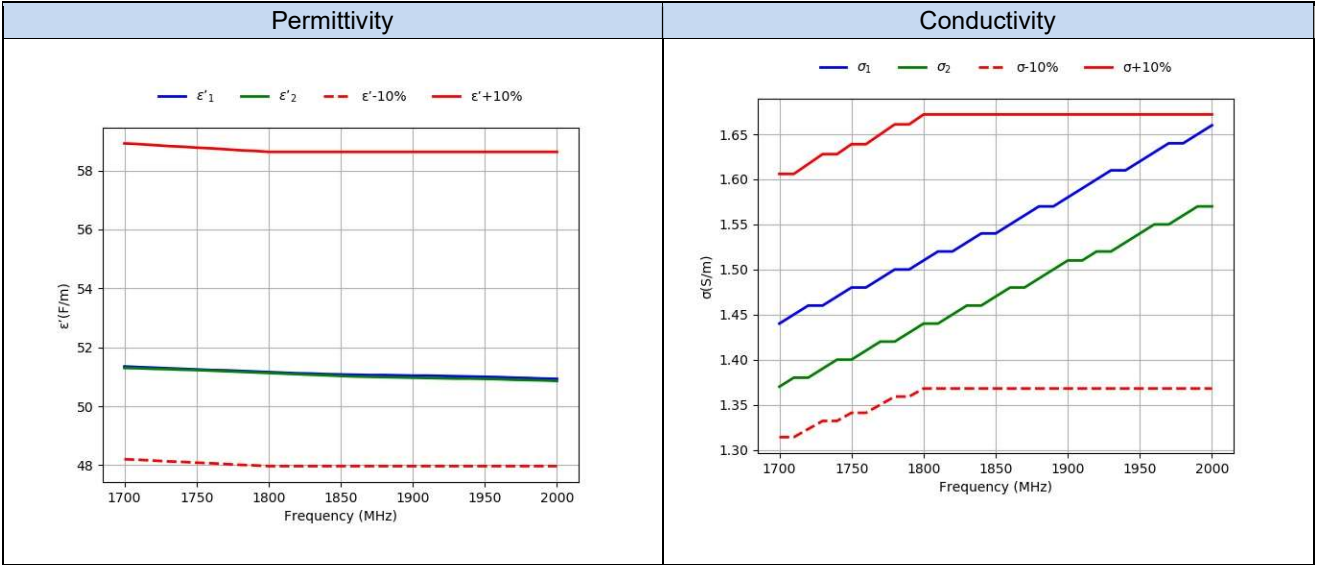
SAR System #4

			2021-11-16		2021-11-19		2021-11-22	
Freq.(MHz)	Target		Measured					
	ε'(F/m)	σ(S/m)	ε'1(F/m)	σ1(S/m)	ε'2(F/m)	σ2(S/m)	ε'3(F/m)	σ3(S/m)
600.0	56.12	0.95	53.96	0.85	54.66	0.87	52.73	0.9
610.0	56.08	0.95	53.92	0.85	54.64	0.88	52.7	0.91
620.0	56.04	0.95	53.87	0.85	54.61	0.88	52.66	0.91
630.0	56.0	0.95	53.83	0.86	54.59	0.88	52.63	0.92
640.0	55.96	0.95	53.78	0.86	54.56	0.89	52.6	0.92
650.0	55.92	0.96	53.74	0.86	54.54	0.89	52.57	0.92
660.0	55.88	0.96	53.69	0.87	54.52	0.89	52.54	0.93
670.0	55.84	0.96	53.65	0.87	54.49	0.9	52.51	0.93
680.0	55.8	0.96	53.62	0.88	54.47	0.9	52.47	0.93
690.0	55.76	0.96	53.58	0.88	54.45	0.9	52.44	0.94
700.0	55.73	0.96	53.54	0.88	54.42	0.91	52.41	0.94
710.0	55.69	0.96	53.51	0.89	54.4	0.91	52.38	0.94
720.0	55.65	0.96	53.48	0.89	54.37	0.91	52.35	0.95
730.0	55.61	0.96	53.45	0.89	54.35	0.92	52.32	0.95
740.0	55.57	0.96	53.42	0.9	54.33	0.92	52.29	0.95
750.0	55.53	0.96	53.4	0.9	54.3	0.92	52.26	0.96
760.0	55.49	0.96	53.37	0.91	54.28	0.93	52.23	0.96
770.0	55.45	0.96	53.34	0.91	54.25	0.93	52.2	0.97
780.0	55.41	0.97	53.32	0.91	54.23	0.93	52.17	0.97
790.0	55.38	0.97	53.29	0.92	54.21	0.94	52.14	0.97
800.0	55.34	0.97	53.26	0.92	54.19	0.94	52.11	0.98
810.0	55.3	0.97	53.24	0.92	54.17	0.94	52.08	0.98
820.0	55.26	0.98	53.21	0.93	54.14	0.95	52.05	0.98
830.0	55.23	0.98	53.19	0.93	54.12	0.95	52.02	0.99
840.0	55.19	0.98	53.17	0.94	54.1	0.96	51.99	0.99
850.0	55.15	0.99	53.14	0.94	54.08	0.96	51.96	0.99
860.0	55.12	1.0	53.12	0.94	54.06	0.96	51.93	1.0
870.0	55.09	1.01	53.1	0.95	54.04	0.97	51.91	1.0
880.0	55.06	1.03	53.08	0.95	54.02	0.97	51.88	1.01
890.0	55.03	1.04	53.06	0.95	54.0	0.97	51.85	1.01
900.0	55.0	1.05	53.04	0.96	53.98	0.98	51.82	1.01



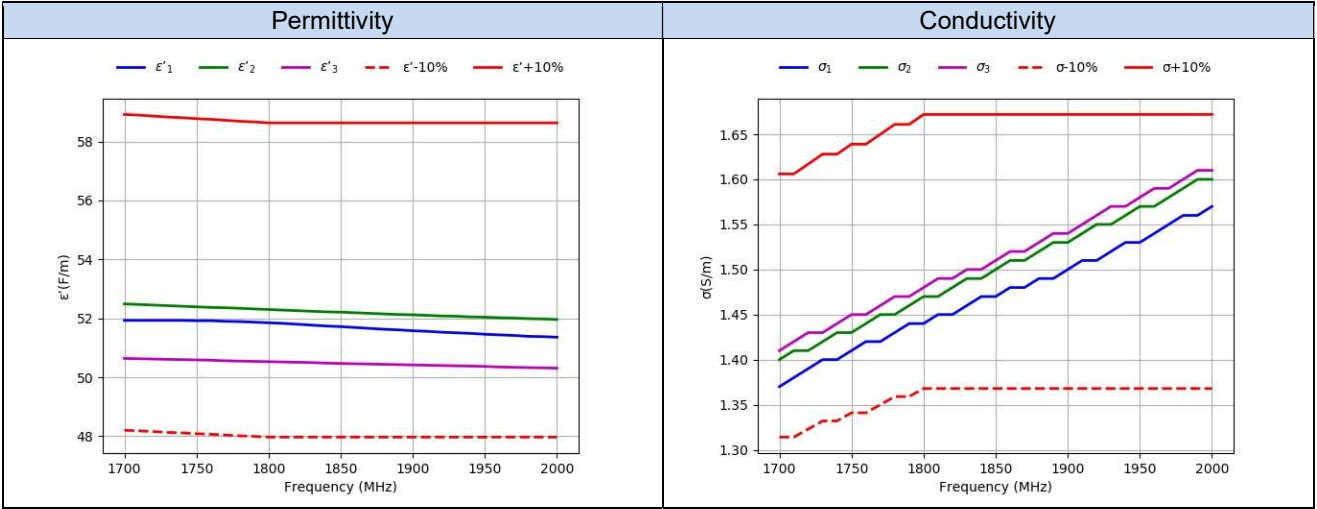
D.2 Body 1700MHz-2000MHz**SAR System #2**

			2020-11-22		2020-11-25	
Freq. (MHz)	Target		Measured			
	ϵ' (F/m)	σ (S/m)	$\epsilon'1$ (F/m)	$\sigma1$ (S/m)	$\epsilon'2$ (F/m)	$\sigma2$ (S/m)
1700.0	53.56	1.46	51.35	1.44	51.3	1.37
1710.0	53.54	1.46	51.33	1.45	51.29	1.38
1720.0	53.51	1.47	51.31	1.46	51.27	1.38
1730.0	53.48	1.48	51.29	1.46	51.26	1.39
1740.0	53.46	1.48	51.27	1.47	51.24	1.4
1750.0	53.43	1.49	51.25	1.48	51.23	1.4
1760.0	53.41	1.49	51.23	1.48	51.21	1.41
1770.0	53.38	1.5	51.22	1.49	51.19	1.42
1780.0	53.35	1.51	51.2	1.5	51.17	1.42
1790.0	53.33	1.51	51.18	1.5	51.15	1.43
1800.0	53.3	1.52	51.16	1.51	51.13	1.44
1810.0	53.3	1.52	51.14	1.52	51.11	1.44
1820.0	53.3	1.52	51.12	1.52	51.09	1.45
1830.0	53.3	1.52	51.11	1.53	51.07	1.46
1840.0	53.3	1.52	51.09	1.54	51.05	1.46
1850.0	53.3	1.52	51.08	1.54	51.03	1.47
1860.0	53.3	1.52	51.07	1.55	51.01	1.48
1870.0	53.3	1.52	51.06	1.56	51.0	1.48
1880.0	53.3	1.52	51.06	1.57	50.99	1.49
1890.0	53.3	1.52	51.05	1.57	50.98	1.5
1900.0	53.3	1.52	51.04	1.58	50.97	1.51
1910.0	53.3	1.52	51.04	1.59	50.96	1.51
1920.0	53.3	1.52	51.03	1.6	50.95	1.52
1930.0	53.3	1.52	51.02	1.61	50.94	1.52
1940.0	53.3	1.52	51.01	1.61	50.94	1.53
1950.0	53.3	1.52	51.0	1.62	50.93	1.54
1960.0	53.3	1.52	50.99	1.63	50.92	1.55
1970.0	53.3	1.52	50.97	1.64	50.9	1.55
1980.0	53.3	1.52	50.96	1.64	50.89	1.56
1990.0	53.3	1.52	50.94	1.65	50.88	1.57
2000.0	53.3	1.52	50.93	1.66	50.86	1.57



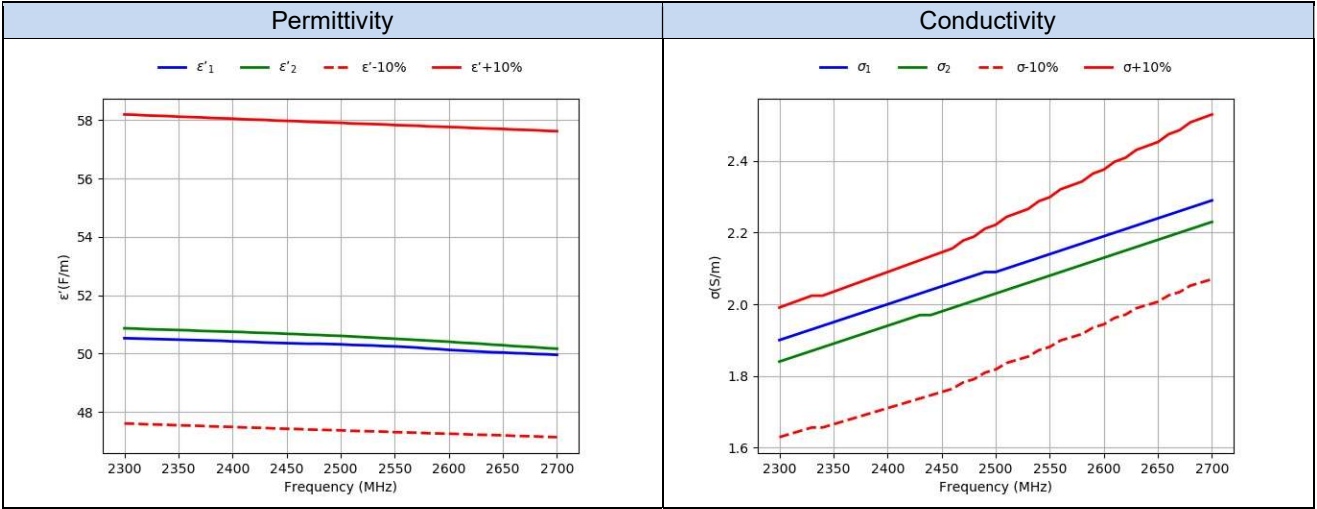
SAR System #4

			2021-11-16		2021-11-19		2021-11-22	
Freq.(MHz)	Target		Measured					
	ε'(F/m)	σ(S/m)	ε'1(F/m)	σ1(S/m)	ε'2(F/m)	σ2(S/m)	ε'3(F/m)	σ3(S/m)
1700.0	53.56	1.46	51.93	1.37	52.49	1.4	50.64	1.41
1710.0	53.54	1.46	51.93	1.38	52.47	1.41	50.63	1.42
1720.0	53.51	1.47	51.93	1.39	52.45	1.41	50.62	1.43
1730.0	53.48	1.48	51.93	1.4	52.43	1.42	50.61	1.43
1740.0	53.46	1.48	51.93	1.4	52.41	1.43	50.6	1.44
1750.0	53.43	1.49	51.92	1.41	52.39	1.43	50.59	1.45
1760.0	53.41	1.49	51.92	1.42	52.37	1.44	50.58	1.45
1770.0	53.38	1.5	51.9	1.42	52.36	1.45	50.56	1.46
1780.0	53.35	1.51	51.89	1.43	52.34	1.45	50.55	1.47
1790.0	53.33	1.51	51.87	1.44	52.32	1.46	50.54	1.47
1800.0	53.3	1.52	51.85	1.44	52.3	1.47	50.53	1.48
1810.0	53.3	1.52	51.83	1.45	52.28	1.47	50.52	1.49
1820.0	53.3	1.52	51.8	1.45	52.26	1.48	50.51	1.49
1830.0	53.3	1.52	51.77	1.46	52.24	1.49	50.5	1.5
1840.0	53.3	1.52	51.74	1.47	52.22	1.49	50.48	1.5
1850.0	53.3	1.52	51.72	1.47	52.21	1.5	50.47	1.51
1860.0	53.3	1.52	51.69	1.48	52.19	1.51	50.46	1.52
1870.0	53.3	1.52	51.66	1.48	52.17	1.51	50.45	1.52
1880.0	53.3	1.52	51.63	1.49	52.15	1.52	50.44	1.53
1890.0	53.3	1.52	51.61	1.49	52.13	1.53	50.43	1.54
1900.0	53.3	1.52	51.58	1.5	52.12	1.53	50.42	1.54
1910.0	53.3	1.52	51.56	1.51	52.1	1.54	50.41	1.55
1920.0	53.3	1.52	51.53	1.51	52.08	1.55	50.4	1.56
1930.0	53.3	1.52	51.51	1.52	52.07	1.55	50.39	1.57
1940.0	53.3	1.52	51.49	1.53	52.05	1.56	50.38	1.57
1950.0	53.3	1.52	51.46	1.53	52.04	1.57	50.37	1.58
1960.0	53.3	1.52	51.44	1.54	52.02	1.57	50.35	1.59
1970.0	53.3	1.52	51.42	1.55	52.01	1.58	50.34	1.59
1980.0	53.3	1.52	51.39	1.56	51.99	1.59	50.33	1.6
1990.0	53.3	1.52	51.38	1.56	51.98	1.6	50.32	1.61
2000.0	53.3	1.52	51.36	1.57	51.96	1.6	50.31	1.61



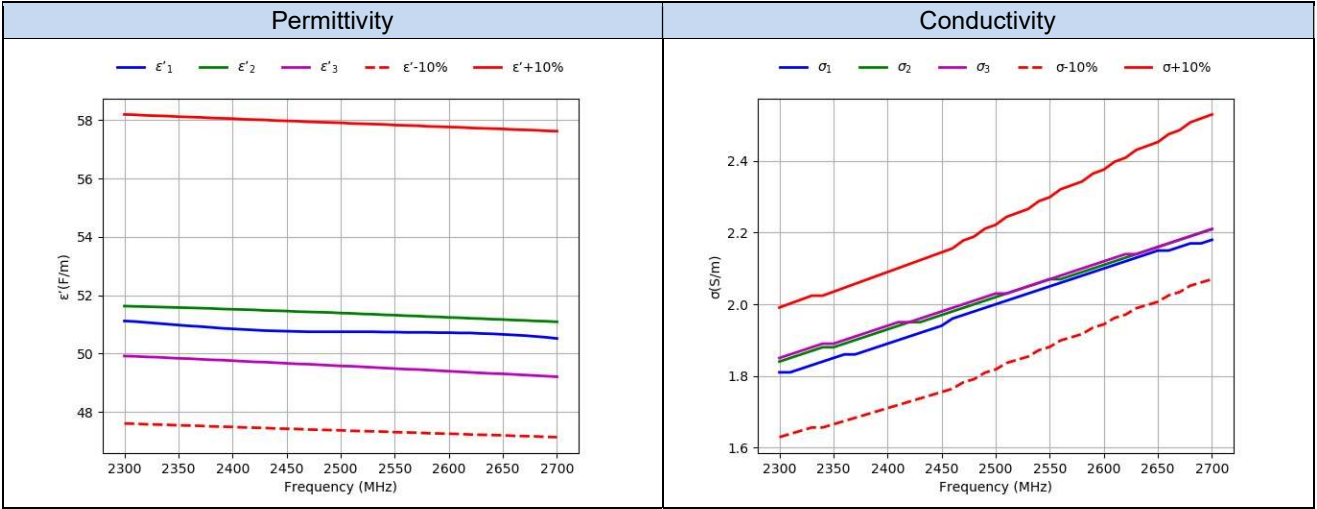
D.3 Body 2300MHz-2700MHz**SAR System #2**

			2020-11-22		2020-11-29	
	Target		Measured			
Freq.(MHz)	e' (F/m)	s (S/m)	e'1 (F/m)	s1 (S/m)		
2300.0	52.9	1.81	50.53	1.90	50.87	1.84
2310.0	52.89	1.82	50.52	1.91	50.86	1.85
2320.0	52.87	1.83	50.51	1.92	50.84	1.86
2330.0	52.86	1.84	50.5	1.93	50.83	1.87
2340.0	52.85	1.84	50.49	1.94	50.82	1.88
2350.0	52.83	1.85	50.48	1.95	50.81	1.89
2360.0	52.82	1.86	50.47	1.96	50.8	1.9
2370.0	52.81	1.87	50.46	1.97	50.78	1.91
2380.0	52.79	1.88	50.45	1.98	50.77	1.92
2390.0	52.78	1.89	50.44	1.99	50.76	1.93
2400.0	52.77	1.9	50.42	2.0	50.75	1.94
2410.0	52.75	1.91	50.41	2.01	50.74	1.95
2420.0	52.74	1.92	50.4	2.02	50.72	1.96
2430.0	52.73	1.93	50.38	2.03	50.71	1.97
2440.0	52.71	1.94	50.37	2.04	50.7	1.97
2450.0	52.7	1.95	50.36	2.05	50.68	1.98
2460.0	52.69	1.96	50.35	2.06	50.67	1.99
2470.0	52.67	1.98	50.34	2.07	50.65	2.0
2480.0	52.66	1.99	50.34	2.08	50.64	2.01
2490.0	52.65	2.01	50.33	2.09	50.62	2.02
2500.0	52.64	2.02	50.32	2.09	50.61	2.03
2510.0	52.62	2.04	50.3	2.1	50.59	2.04
2520.0	52.61	2.05	50.29	2.11	50.57	2.05
2530.0	52.6	2.06	50.28	2.12	50.55	2.06
2540.0	52.59	2.08	50.26	2.13	50.53	2.07
2550.0	52.57	2.09	50.25	2.14	50.51	2.08
2560.0	52.56	2.11	50.23	2.15	50.49	2.09
2570.0	52.55	2.12	50.21	2.16	50.47	2.1
2580.0	52.53	2.13	50.18	2.17	50.45	2.11
2590.0	52.52	2.15	50.16	2.18	50.43	2.12
2600.0	52.51	2.16	50.13	2.19	50.41	2.13
2610.0	52.5	2.18	50.11	2.2	50.38	2.14
2620.0	52.48	2.19	50.09	2.21	50.36	2.15
2630.0	52.47	2.21	50.07	2.22	50.34	2.16
2640.0	52.46	2.22	50.05	2.23	50.31	2.17
2650.0	52.45	2.23	50.04	2.24	50.29	2.18
2660.0	52.43	2.25	50.02	2.25	50.26	2.19
2670.0	52.42	2.26	50.01	2.26	50.24	2.2
2680.0	52.41	2.28	49.99	2.27	50.22	2.21
2690.0	52.39	2.29	49.98	2.28	50.19	2.22
2700.0	52.38	2.3	49.96	2.29	50.17	2.23



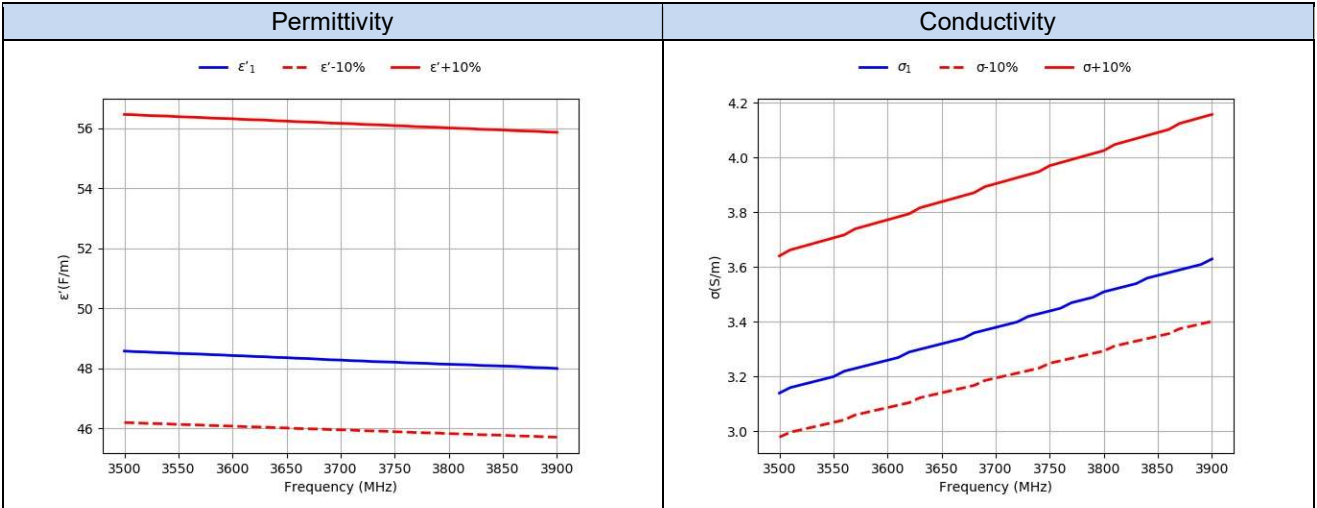
SAR System #4

			2021-11-16		2021-11-19		2021-11-22	
Freq.(MHz)	Target		Measured					
	ε'(F/m)	σ(S/m)	ε'1(F/m)	σ1(S/m)	ε'2(F/m)	σ2(S/m)	ε'3(F/m)	σ3(S/m)
2300.0	52.9	1.81	51.12	1.81	51.63	1.84	49.92	1.85
2310.0	52.89	1.82	51.10	1.81	51.62	1.85	49.91	1.86
2320.0	52.87	1.83	51.07	1.82	51.61	1.86	49.89	1.87
2330.0	52.86	1.84	51.04	1.83	51.6	1.87	49.88	1.88
2340.0	52.85	1.84	51.01	1.84	51.59	1.88	49.86	1.89
2350.0	52.83	1.85	50.98	1.85	51.58	1.88	49.84	1.89
2360.0	52.82	1.86	50.95	1.86	51.57	1.89	49.83	1.9
2370.0	52.81	1.87	50.93	1.86	51.56	1.9	49.81	1.91
2380.0	52.79	1.88	50.90	1.87	51.55	1.91	49.79	1.92
2390.0	52.78	1.89	50.87	1.88	51.53	1.92	49.78	1.93
2400.0	52.77	1.9	50.85	1.89	51.52	1.93	49.76	1.94
2410.0	52.75	1.91	50.83	1.9	51.51	1.94	49.74	1.95
2420.0	52.74	1.92	50.81	1.91	51.5	1.95	49.72	1.95
2430.0	52.73	1.93	50.79	1.92	51.48	1.95	49.71	1.96
2440.0	52.71	1.94	50.78	1.93	51.47	1.96	49.69	1.97
2450.0	52.7	1.95	50.77	1.94	51.46	1.97	49.67	1.98
2460.0	52.69	1.96	50.76	1.96	51.44	1.98	49.65	1.99
2470.0	52.67	1.98	50.75	1.97	51.43	1.99	49.64	2.0
2480.0	52.66	1.99	50.75	1.98	51.42	2.0	49.62	2.01
2490.0	52.65	2.01	50.75	1.99	51.41	2.01	49.6	2.02
2500.0	52.64	2.02	50.75	2.0	51.39	2.02	49.58	2.03
2510.0	52.62	2.04	50.75	2.01	51.38	2.03	49.57	2.03
2520.0	52.61	2.05	50.75	2.02	51.36	2.04	49.55	2.04
2530.0	52.6	2.06	50.75	2.03	51.35	2.05	49.53	2.05
2540.0	52.59	2.08	50.74	2.04	51.33	2.06	49.51	2.06
2550.0	52.57	2.09	50.74	2.05	51.32	2.07	49.49	2.07
2560.0	52.56	2.11	50.73	2.06	51.3	2.07	49.47	2.08
2570.0	52.55	2.12	50.73	2.07	51.29	2.08	49.46	2.09
2580.0	52.53	2.13	50.73	2.08	51.27	2.09	49.44	2.1
2590.0	52.52	2.15	50.72	2.09	51.26	2.1	49.42	2.11
2600.0	52.51	2.16	50.72	2.10	51.24	2.11	49.4	2.12
2610.0	52.5	2.18	50.71	2.11	51.23	2.12	49.38	2.13
2620.0	52.48	2.19	50.71	2.12	51.21	2.13	49.36	2.14
2630.0	52.47	2.21	50.69	2.13	51.2	2.14	49.34	2.14
2640.0	52.46	2.22	50.68	2.14	51.18	2.15	49.32	2.15
2650.0	52.45	2.23	50.66	2.15	51.17	2.16	49.31	2.16
2660.0	52.43	2.25	50.64	2.15	51.15	2.17	49.29	2.17
2670.0	52.42	2.26	50.62	2.16	51.14	2.18	49.27	2.18
2680.0	52.41	2.28	50.59	2.17	51.12	2.19	49.25	2.19
2690.0	52.39	2.29	50.56	2.17	51.11	2.2	49.23	2.2
2700.0	52.38	2.3	50.52	2.18	51.09	2.21	49.21	2.21



D.4 Body 3500MHz-3900MHz**SAR System #2**

			2020-11-22	
Freq.(MHz)	Target		Measured	
	e' (F/m)	s (S/m)	e'1 (F/m)	s1 (S/m)
3500.0	51.32	3.31	48.57	3.14
3510.0	51.31	3.33	48.55	3.16
3520.0	51.29	3.34	48.54	3.17
3530.0	51.28	3.35	48.52	3.18
3540.0	51.27	3.36	48.51	3.19
3550.0	51.25	3.37	48.49	3.20
3560.0	51.24	3.38	48.48	3.22
3570.0	51.23	3.4	48.47	3.23
3580.0	51.21	3.41	48.45	3.24
3590.0	51.2	3.42	48.44	3.25
3600.0	51.19	3.43	48.42	3.26
3610.0	51.17	3.44	48.41	3.27
3620.0	51.16	3.45	48.39	3.29
3630.0	51.15	3.47	48.38	3.30
3640.0	51.13	3.48	48.36	3.31
3650.0	51.12	3.49	48.35	3.32
3660.0	51.1	3.5	48.33	3.33
3670.0	51.09	3.51	48.32	3.34
3680.0	51.08	3.52	48.3	3.36
3690.0	51.06	3.54	48.28	3.37
3700.0	51.05	3.55	48.27	3.38
3710.0	51.04	3.56	48.25	3.39
3720.0	51.02	3.57	48.24	3.4
3730.0	51.01	3.58	48.22	3.42
3740.0	51.0	3.59	48.21	3.43
3750.0	50.98	3.61	48.2	3.44
3760.0	50.97	3.62	48.18	3.45
3770.0	50.95	3.63	48.17	3.47
3780.0	50.94	3.64	48.16	3.48
3790.0	50.93	3.65	48.14	3.49
3800.0	50.91	3.66	48.13	3.51
3810.0	50.9	3.68	48.12	3.52
3820.0	50.89	3.69	48.11	3.53
3830.0	50.87	3.7	48.09	3.54
3840.0	50.86	3.71	48.08	3.56
3850.0	50.85	3.72	48.07	3.57
3860.0	50.83	3.73	48.06	3.58
3870.0	50.82	3.75	48.04	3.59
3880.0	50.81	3.76	48.02	3.6
3890.0	50.79	3.77	48.01	3.61
3900.0	50.78	3.78	47.99	3.63



SAR System #4

Freq.(MHz)			2021-12-02	
	Target		Measured	
	$\epsilon'(F/m)$	$\sigma(S/m)$	$\epsilon'1(F/m)$	$\sigma1(S/m)$
3500.0	51.32	3.31	48.33	3.06
3510.0	51.31	3.33	48.31	3.07
3520.0	51.29	3.34	48.29	3.09
3530.0	51.28	3.35	48.27	3.1
3540.0	51.27	3.36	48.25	3.11
3550.0	51.25	3.37	48.23	3.12
3560.0	51.24	3.38	48.22	3.13
3570.0	51.23	3.4	48.2	3.14
3580.0	51.21	3.41	48.19	3.15
3590.0	51.2	3.42	48.17	3.16
3600.0	51.19	3.43	48.16	3.17
3610.0	51.17	3.44	48.14	3.18
3620.0	51.16	3.45	48.12	3.19
3630.0	51.15	3.47	48.11	3.21
3640.0	51.13	3.48	48.09	3.22
3650.0	51.12	3.49	48.07	3.23
3660.0	51.1	3.5	48.05	3.24
3670.0	51.09	3.51	48.04	3.25
3680.0	51.08	3.52	48.02	3.26
3690.0	51.06	3.54	48.0	3.27
3700.0	51.05	3.55	47.98	3.29
3710.0	51.04	3.56	47.96	3.3
3720.0	51.02	3.57	47.95	3.31
3730.0	51.01	3.58	47.93	3.32
3740.0	51.0	3.59	47.91	3.33
3750.0	50.98	3.61	47.9	3.34
3760.0	50.97	3.62	47.88	3.35
3770.0	50.95	3.63	47.87	3.37
3780.0	50.94	3.64	47.85	3.38
3790.0	50.93	3.65	47.83	3.39
3800.0	50.91	3.66	47.82	3.4
3810.0	50.9	3.68	47.81	3.41
3820.0	50.89	3.69	47.79	3.43
3830.0	50.87	3.7	47.78	3.44
3840.0	50.86	3.71	47.77	3.45
3850.0	50.85	3.72	47.75	3.46
3860.0	50.83	3.73	47.74	3.47
3870.0	50.82	3.75	47.72	3.48
3880.0	50.81	3.76	47.71	3.49
3890.0	50.79	3.77	47.69	3.5
3900.0	50.78	3.78	47.67	3.51

