

Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Plots of System Verification

Measurement Report

S01 System Check_H1900_231101

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				1900.000, 0	8.44	1.41	38.1

Hardware Setup

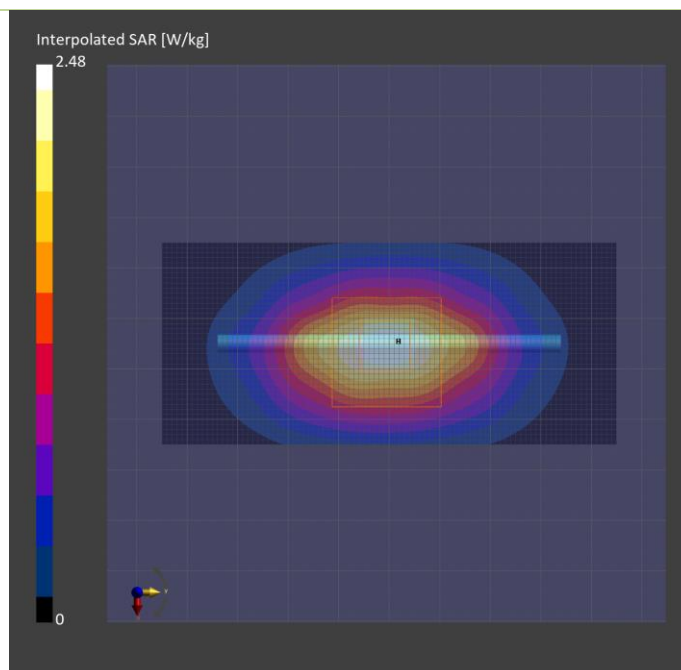
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	1.97	1.99
psSAR10g [W/kg]	1.02	1.03
Power Drift [dB]	-0.01	-0.01



Plots of System Verification

Measurement Report S02 System Check_H835_231101 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				835.000, 0	10.36	0.919	40.0

Hardware Setup

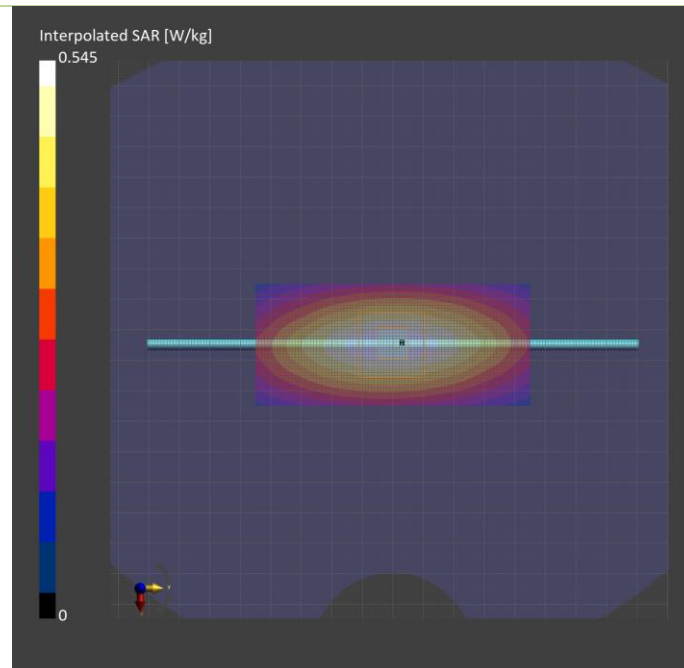
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.470	0.472
psSAR10g [W/kg]	0.310	0.307
Power Drift [dB]	0.01	0.01



Plots of System Verification

Measurement Report

S03 System Check_H750_231101

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				750.000, 0	10.55	0.891	40.2

Hardware Setup

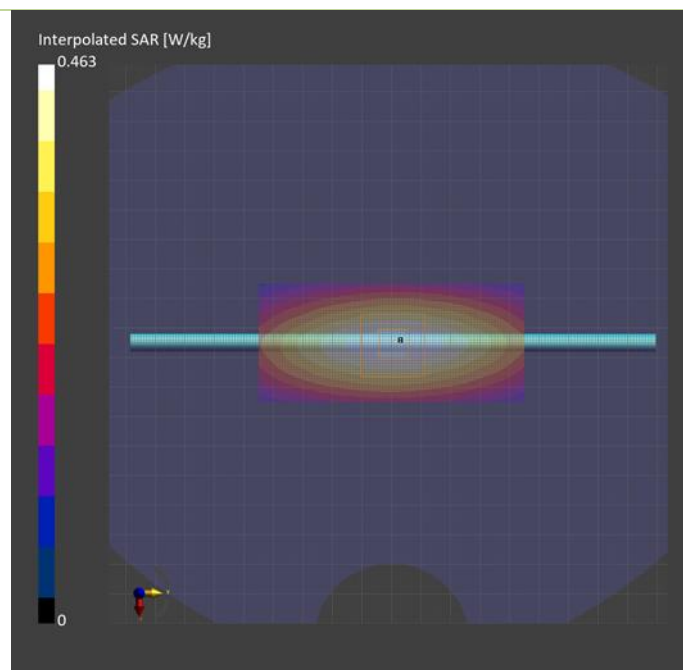
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.402	0.401
psSAR10g [W/kg]	0.268	0.264
Power Drift [dB]	-0.01	0.02



Plots of System Verification

Measurement Report

S04 System Check_H750_231103

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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			CW, 0--	750.000, 0	10.55	0.877	41.6

Hardware Setup

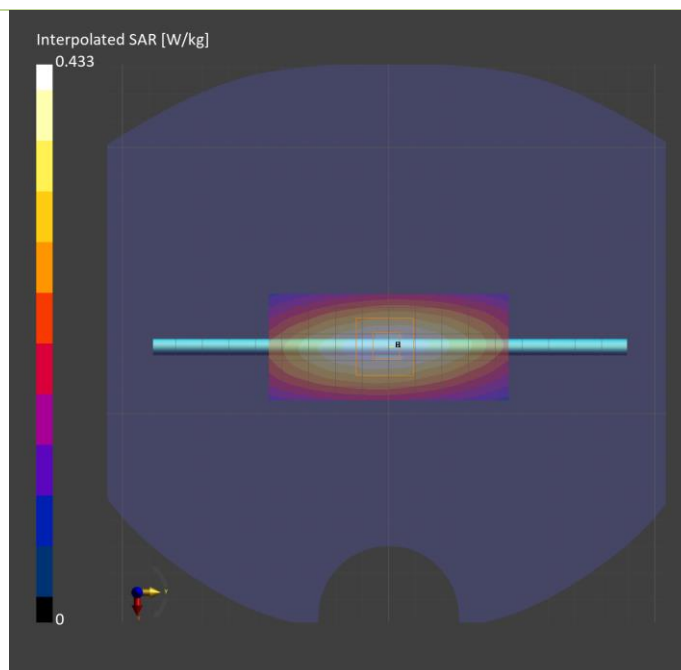
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	0.402	0.401
psSAR10g [W/kg]	0.268	0.265
Power Drift [dB]	0.00	0.00



Plots of System Verification

Measurement Report

S05 System Check_H1750_231103

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				1750.000, 0	8.86	1.33	38.3

Hardware Setup

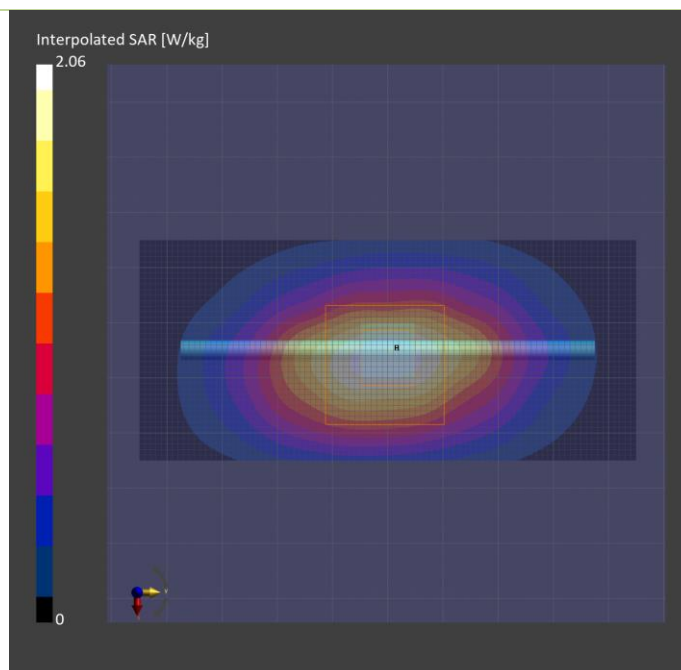
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	1.66	1.69
psSAR10g [W/kg]	0.895	0.894
Power Drift [dB]	-0.00	0.01



Plots of System Verification

Measurement Report

S06_System check_H2450_231030

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				2450.000, 0	8.26	1.77	37.4

Hardware Setup

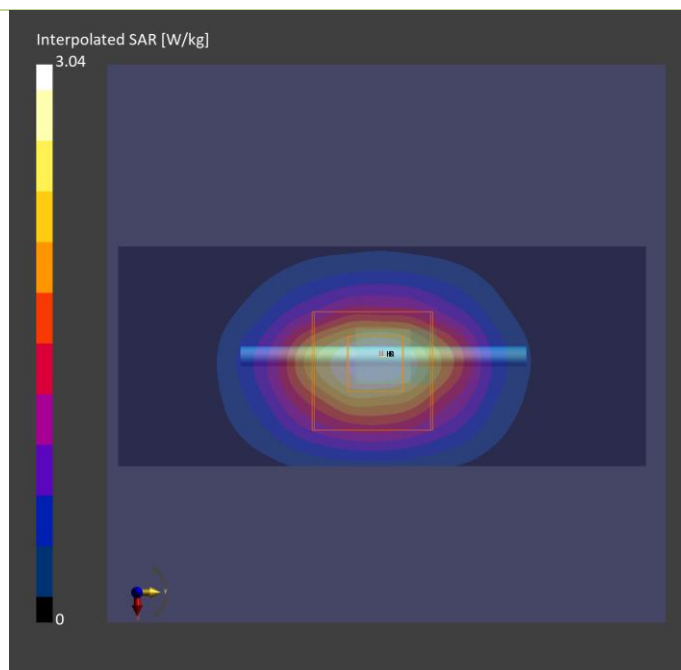
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	2.32	2.41
psSAR10g [W/kg]	1.09	1.11
Power Drift [dB]	0.01	0.00



Plots of System Verification

Measurement Report for Device S07 System Check_H5250_231114 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	10.0 x 10.0 x 300.0		

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,	,			5250.000, 0	5.24	4.57	35.9

Hardware Setup

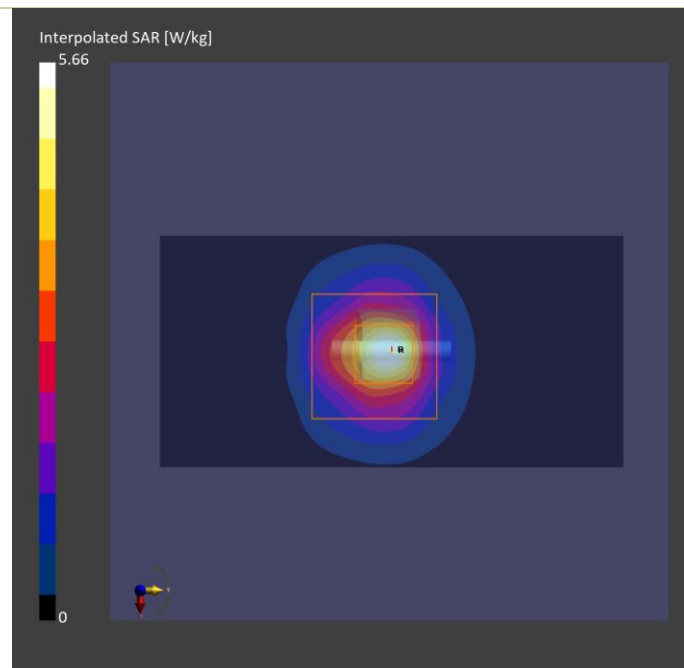
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Nov-14	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-14	2023-11-14
psSAR1g [W/kg]	3.57	3.86
psSAR10g [W/kg]	1.05	1.12
Power Drift [dB]	-0.00	-0.05



Plots of System Verification

Measurement Report

S08 System Check_H5600_231114

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5600.000, 0	4.95	4.94	35.3

Hardware Setup

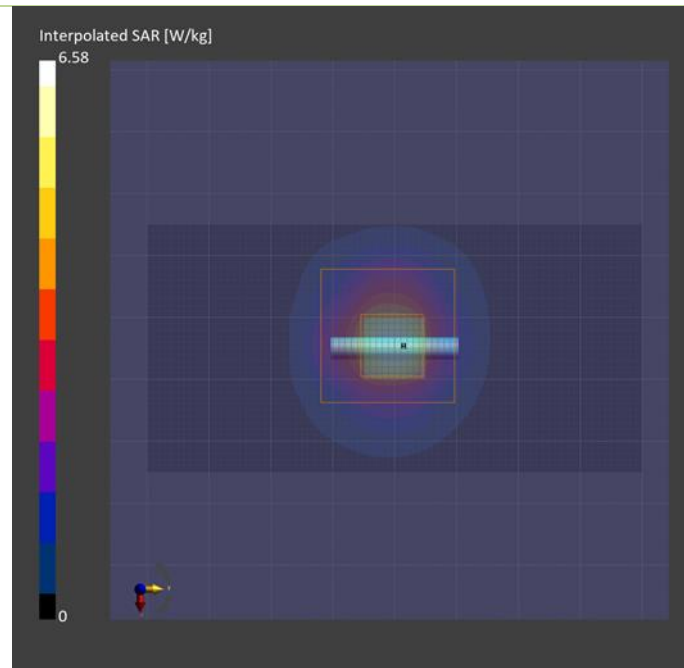
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Nov-14	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-14	2023-11-14
psSAR1g [W/kg]	3.81	4.11
psSAR10g [W/kg]	1.10	1.18
Power Drift [dB]	-0.01	-0.00



Plots of System Verification

Measurement Report for Device S09 System Check_H5800_231114

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	10.0 x 10.0 x 300.0		

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,				5800.000, 0	4.91	5.16	35.0

Hardware Setup

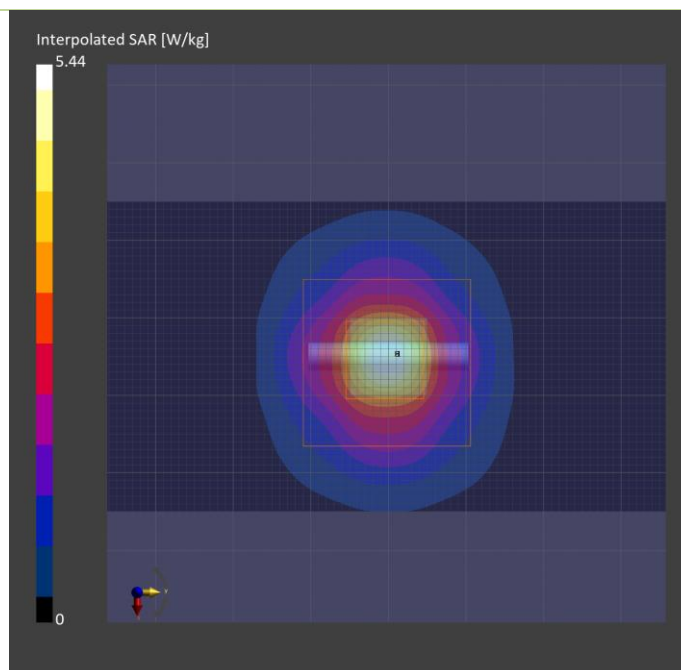
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Nov-14	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-14	2023-11-14
psSAR1g [W/kg]	3.43	3.66
psSAR10g [W/kg]	0.988	1.08
Power Drift [dB]	-0.26	0.01



Plots of System Verification

Measurement Report

S10_System check_H2450_231031

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				2450.000, 0	8.26	1.77	37.4

Hardware Setup

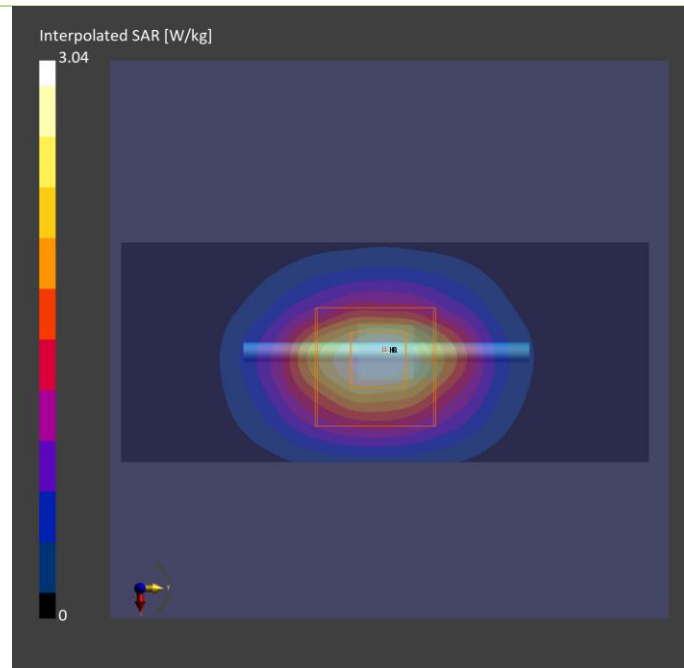
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	2.32	2.41
psSAR10g [W/kg]	1.09	1.11
Power Drift [dB]	0.01	0.00



Plots of System Verification

Measurement Report

S11 System Check_H1900_231101

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				1900.000, 0	8.44	1.41	38.1

Hardware Setup

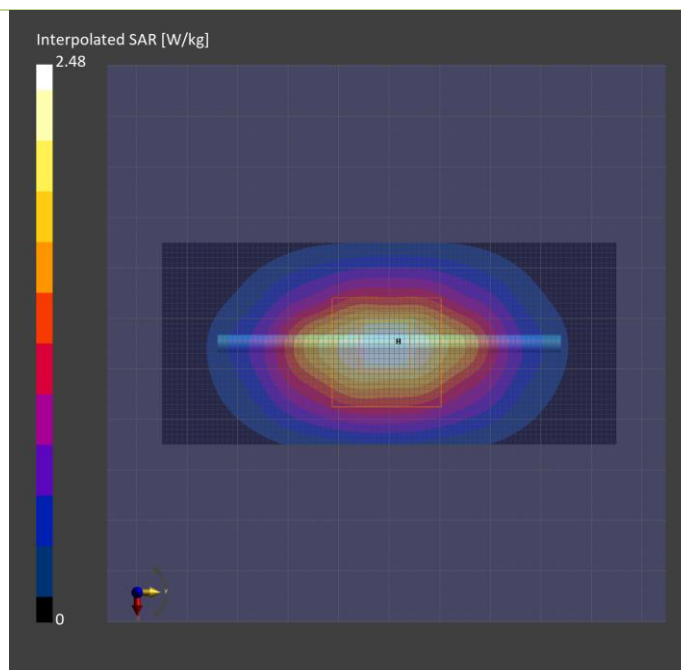
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	1.97	1.99
psSAR10g [W/kg]	1.02	1.03
Power Drift [dB]	-0.01	-0.01



Plots of System Verification

Measurement Report S12 System Check_H835_231101 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				835.000, 0	10.36	0.919	40.0

Hardware Setup

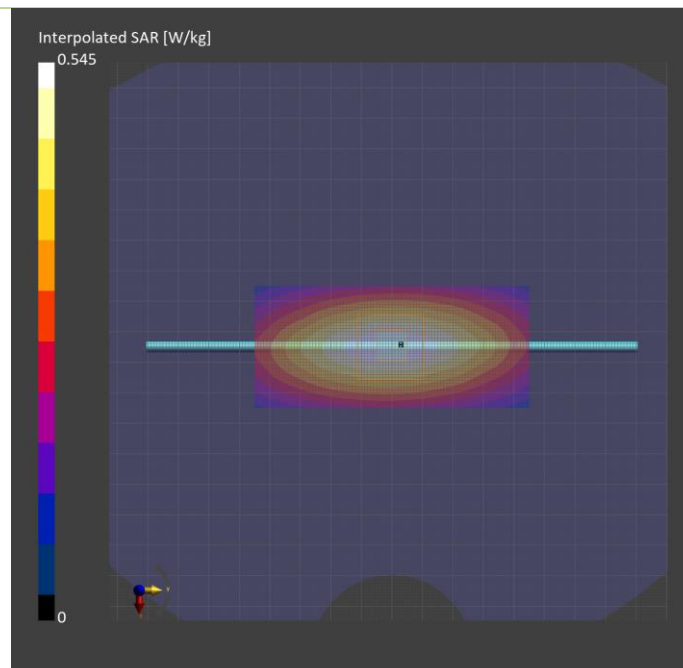
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.470	0.472
psSAR10g [W/kg]	0.310	0.307
Power Drift [dB]	0.01	0.01



Plots of System Verification

Measurement Report

S13 System Check_H750_231102

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				750.000, 0	10.55	0.909	39.5

Hardware Setup

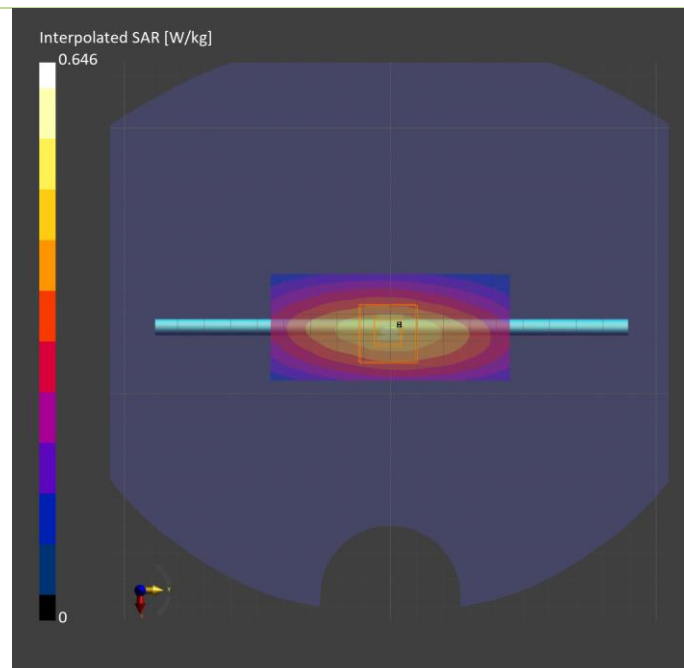
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	0.425	0.416
psSAR10g [W/kg]	0.284	0.272
Power Drift [dB]	-0.07	-0.10



Plots of System Verification

Measurement Report

S14 System Check_H750_231102

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				750.000, 0	10.55	0.909	39.5

Hardware Setup

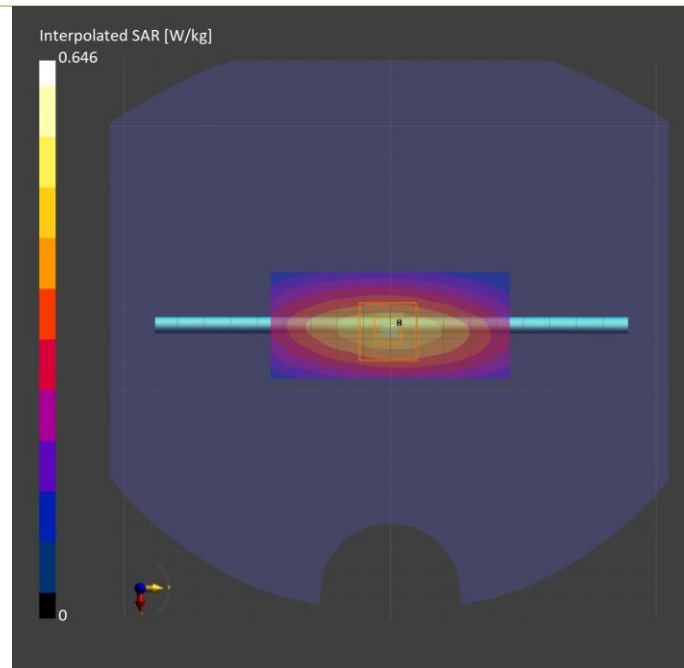
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	0.425	0.416
psSAR10g [W/kg]	0.284	0.272
Power Drift [dB]	-0.07	-0.10



Plots of System Verification

Measurement Report

S15 System Check_H1750_231102

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				1750.000, 0	8.86	1.34	37.6

Hardware Setup

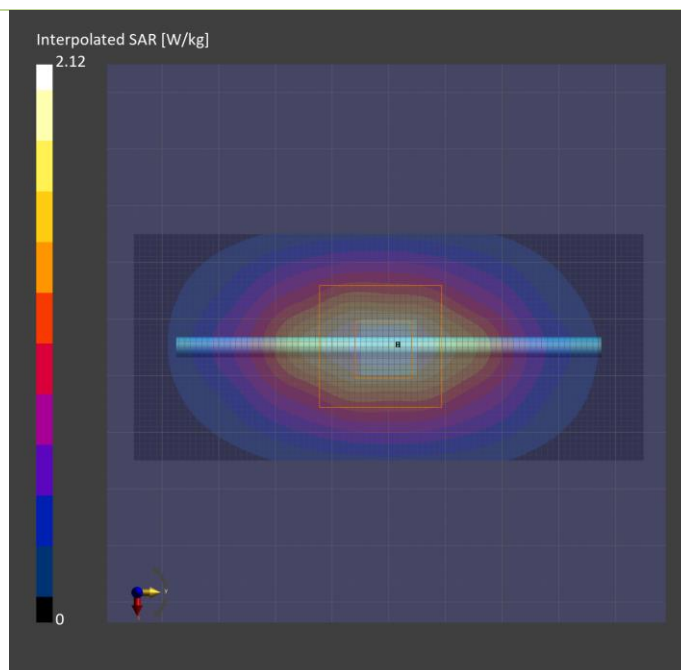
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	1.69	1.69
psSAR10g [W/kg]	0.906	0.898
Power Drift [dB]	-0.00	0.01



Plots of System Verification

Measurement Report

S16_System check_H2450_231031

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				2450.000, 0	8.26	1.77	37.4

Hardware Setup

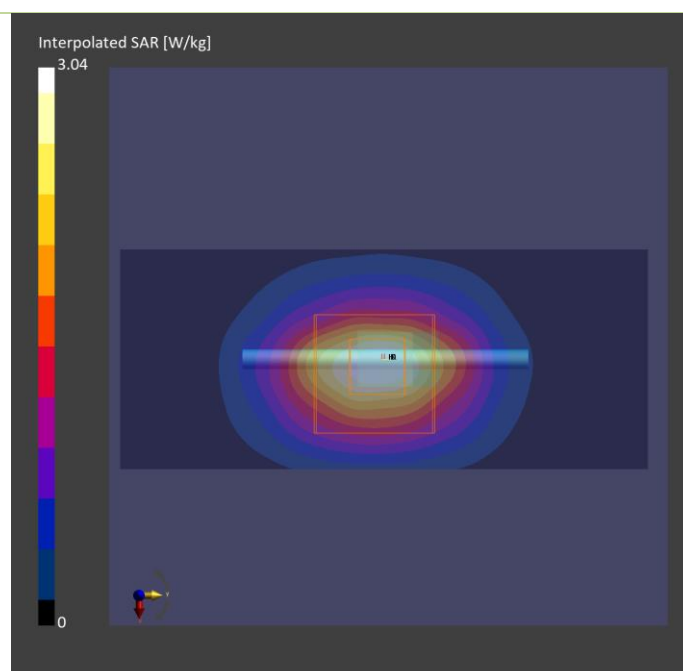
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	2.32	2.41
psSAR10g [W/kg]	1.09	1.11
Power Drift [dB]	0.01	0.00



Plots of System Verification

Measurement Report

S17_System check_H5250_231031

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5250.000, 0	5.24	4.40	33.5

Hardware Setup

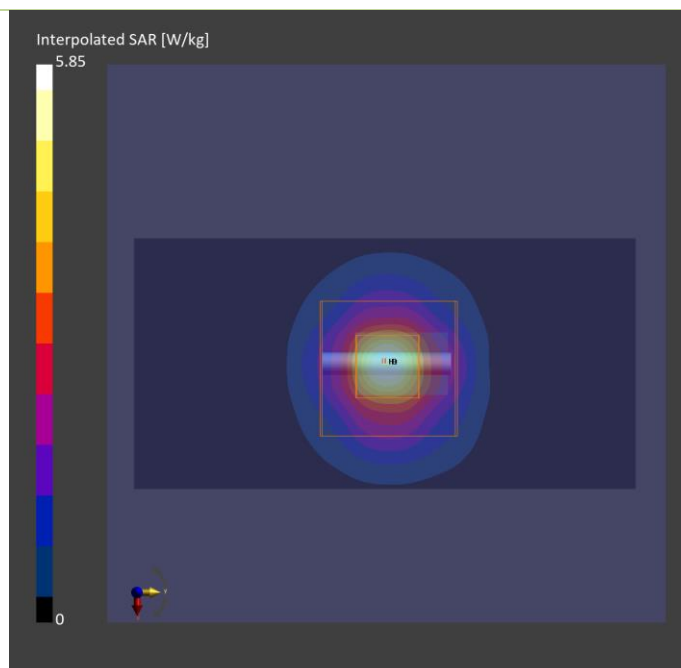
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-27	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-27	2023-10-27
psSAR1g [W/kg]	3.59	3.85
psSAR10g [W/kg]	1.03	1.13
Power Drift [dB]	-0.01	-0.03



Plots of System Verification

Measurement Report

S18_System check_H5600_231030

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5600.000, 0	4.95	4.75	32.9

Hardware Setup

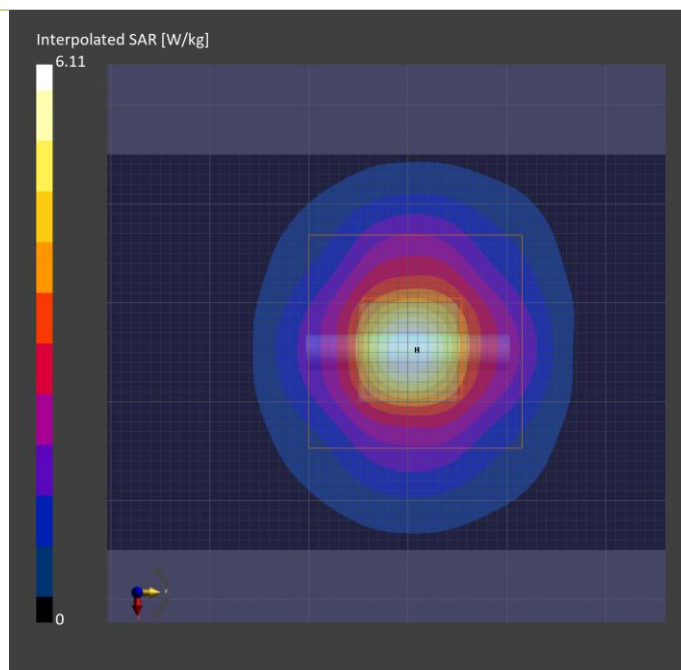
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	3.80	4.19
psSAR10g [W/kg]	1.08	1.30
Power Drift [dB]	-0.01	0.02



Plots of System Verification

Measurement Report for Device S19 System Check_H5800_231027 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	10.0 x 10.0 x 300.0		

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,				5800.000, 0	4.91	4.97	32.6

Hardware Setup

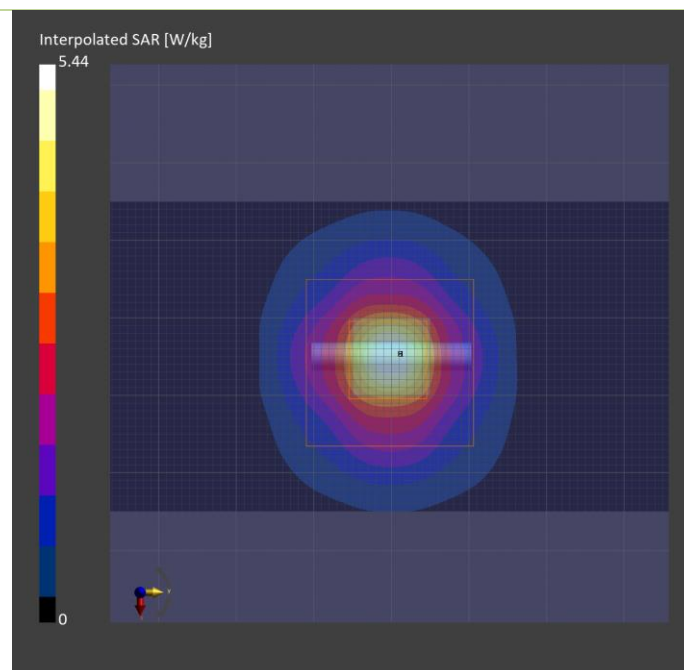
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-27	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-27	2023-10-27
psSAR1g [W/kg]	3.43	3.66
psSAR10g [W/kg]	0.988	1.08
Power Drift [dB]	-0.26	0.01



Plots of System Verification

Measurement Report

S20_System check_H2450_231031

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				2450.000, 0	8.26	1.77	37.4

Hardware Setup

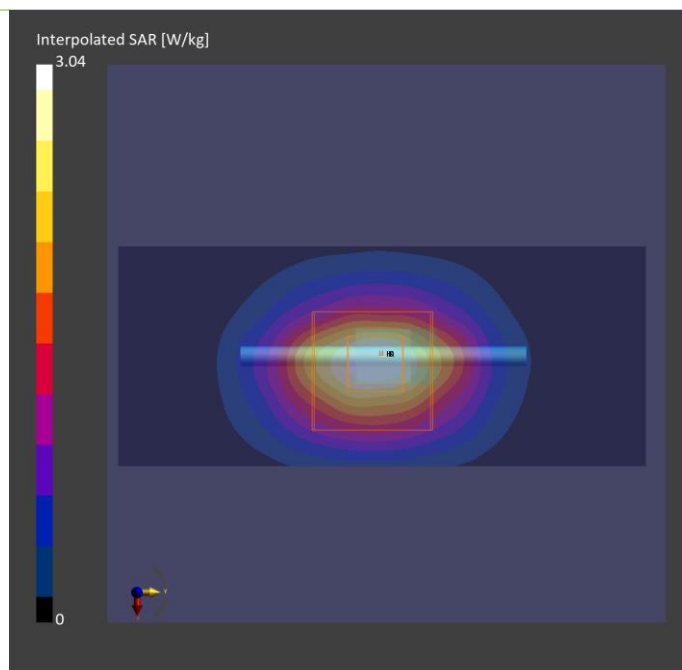
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-31	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-31	2023-10-31
psSAR1g [W/kg]	2.32	2.41
psSAR10g [W/kg]	1.09	1.11
Power Drift [dB]	0.01	0.00



Plots of System Verification

Measurement Report

S21 System Check_H1900_231101

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				1900.000, 0	8.44	1.41	38.1

Hardware Setup

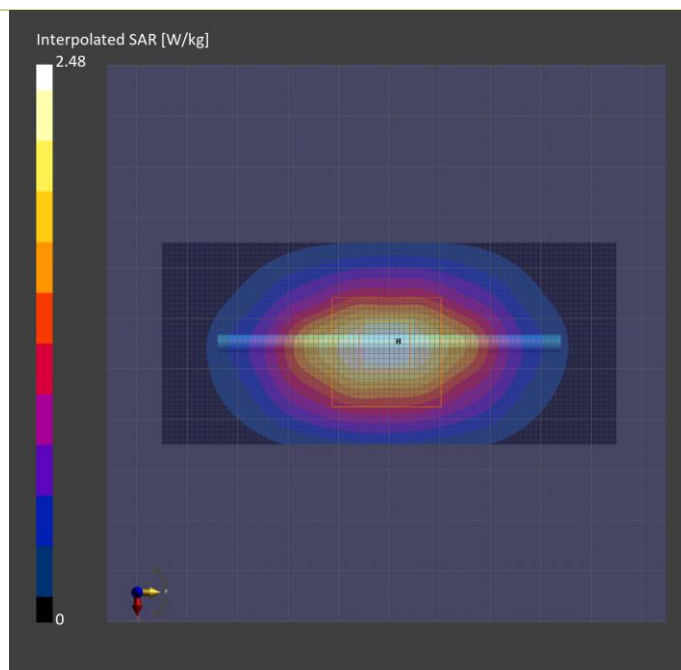
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	1.97	1.99
psSAR10g [W/kg]	1.02	1.03
Power Drift [dB]	-0.01	-0.01



Plots of System Verification

Measurement Report

S25 System Check_H1750_231102

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				1750.000, 0	8.86	1.34	37.6

Hardware Setup

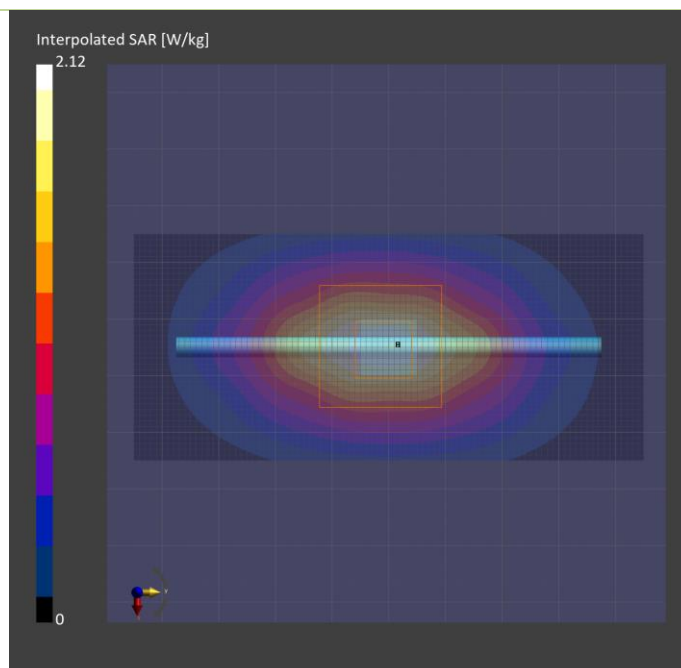
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	1.69	1.69
psSAR10g [W/kg]	0.906	0.898
Power Drift [dB]	-0.00	0.01



Plots of System Verification

Measurement Report

S27_System check_H5250_231031

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5250.000, 0	5.24	4.35	33.0

Hardware Setup

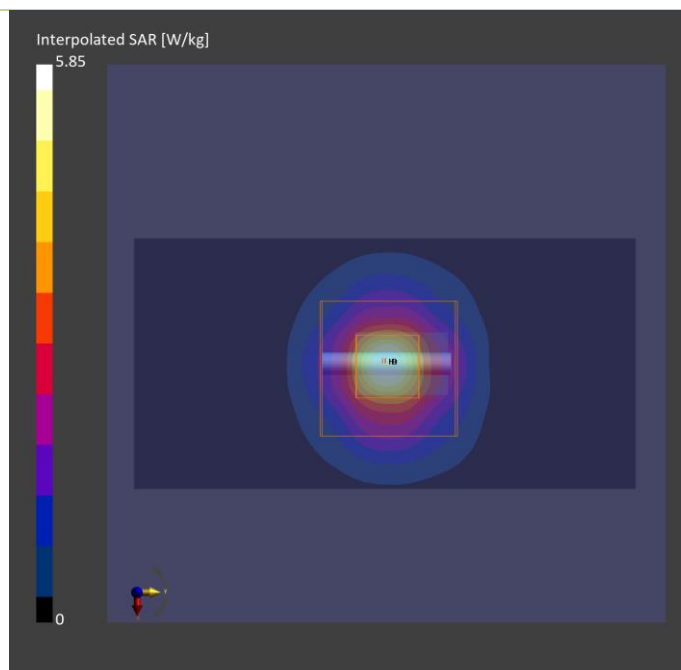
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-31	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-31	2023-10-31
psSAR1g [W/kg]	3.59	3.85
psSAR10g [W/kg]	1.03	1.13
Power Drift [dB]	-0.01	-0.03



Plots of System Verification

Measurement Report

S30 System Check_H5250_231103

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5250.000, 0	5.24	4.49	34.9

Hardware Setup

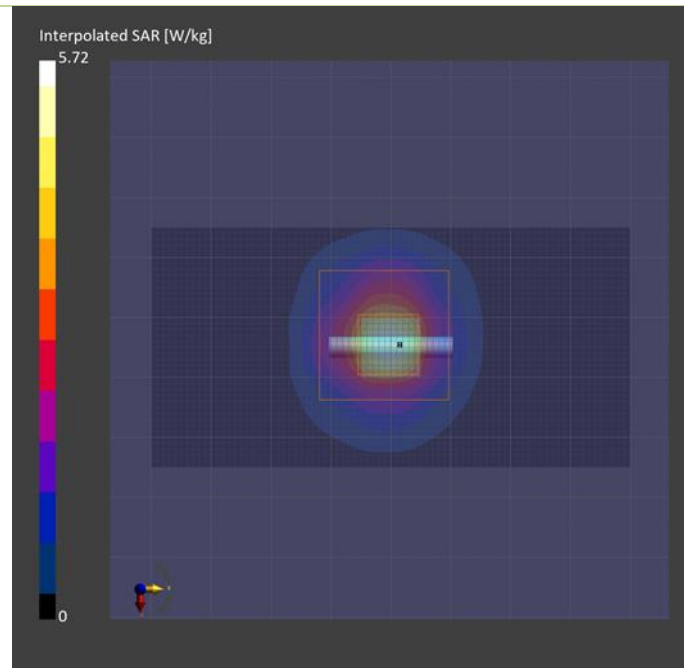
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	3.54	3.86
psSAR10g [W/kg]	1.03	1.11
Power Drift [dB]	-0.00	0.01
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		7.4



Plots of System Verification

Measurement Report

S31 System Check_H5600_231103

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5600.000, 0	4.95	4.87	34.4

Hardware Setup

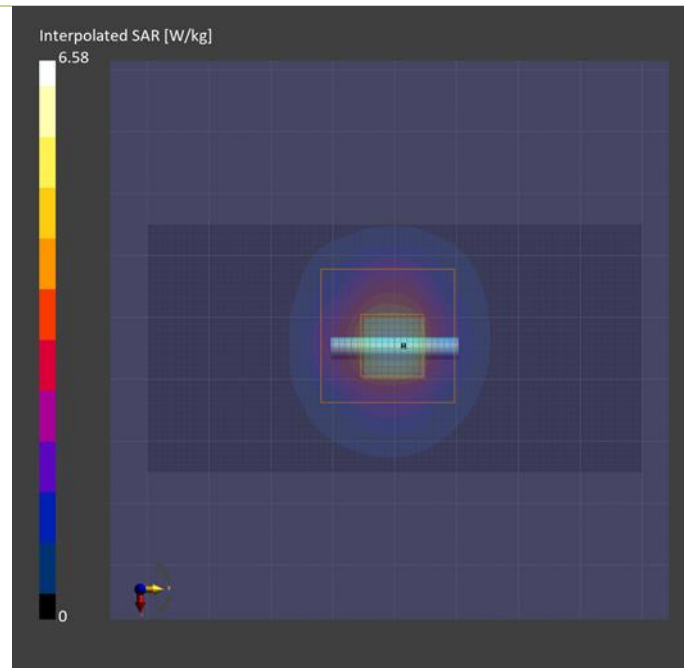
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	3.81	4.11
psSAR10g [W/kg]	1.10	1.18
Power Drift [dB]	-0.01	-0.00



Appendix B. Plots of Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination are shown as follows.

Plots of Measurement

Measurement Report

P01 LTE 2_QPSK20M_Right Cheek_0mm_Ch19100_1RB_OS0_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Right Head,	Right Cheek,	Band 2	LTE-FDD, 10169-CAF	1900.000, 19100	8.44	1.41	38.1

Hardware Setup

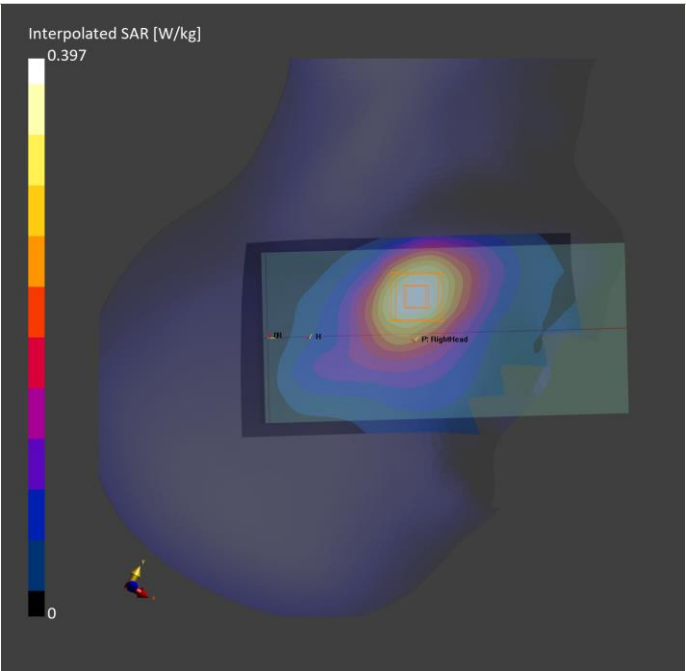
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.330	0.352
psSAR10g [W/kg]	0.196	0.222
Power Drift [dB]	-0.06	-0.02
M2/M1 [%]		73.0
Dist 3dB Peak [mm]		14.6



Plots of Measurement

Measurement Report

P02 LTE 5_QPSK10M_Left Cheek_0mm_Ch20450_1RB_OS0_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head,	Left Cheek, 0.00	Band 5	LTE-FDD, 10175-CAH	829.000, 20450	10.36	0.917	40.0

Hardware Setup

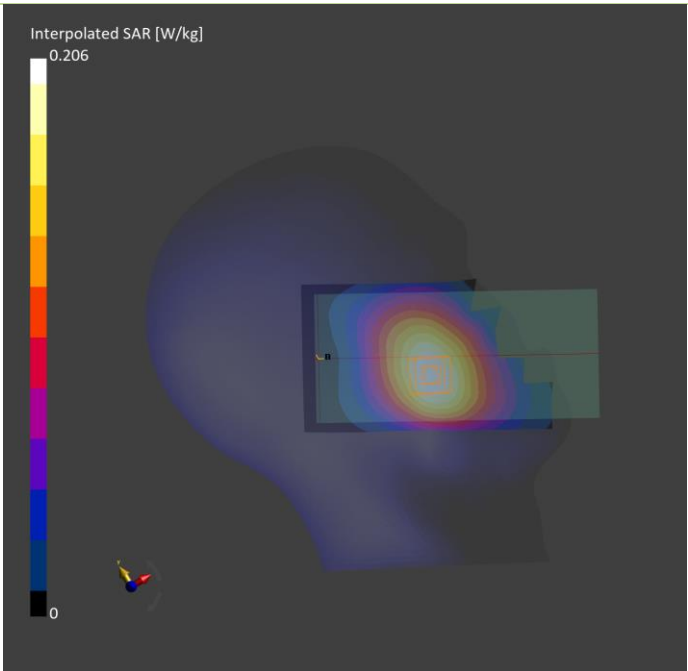
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.181	0.189
psSAR10g [W/kg]	0.125	0.145
Power Drift [dB]	-0.09	0.03
M2/M1 [%]		78.9
Dist 3dB Peak [mm]		> 16.0



Plots of Measurement

Measurement Report

P03 LTE 12_QPSK10M_Left Cheek_0mm_Ch23130_1RB_OS0_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head	Left Cheek, 0.00	Band 12	LTE-FDD, 10175-CAH	711.000, 23130	10.55	0.878	40.2

Hardware Setup

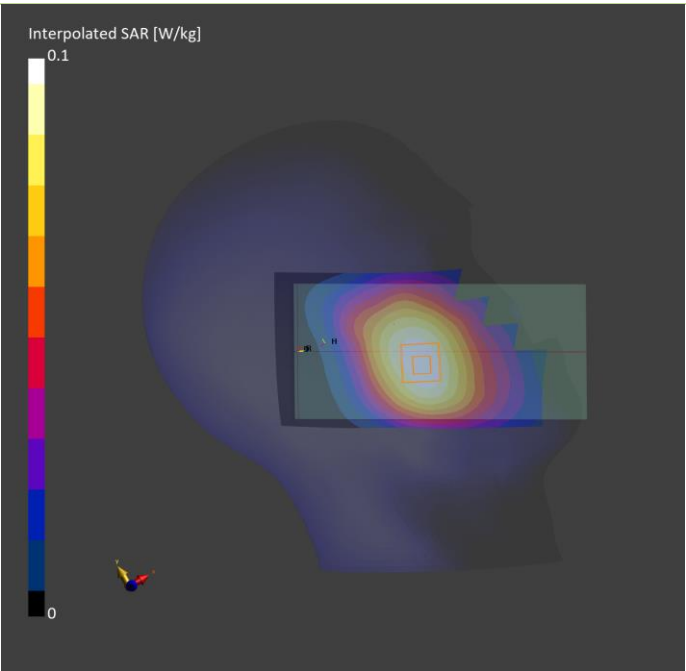
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.088	0.093
psSAR10g [W/kg]	0.062	0.073
Power Drift [dB]	-0.08	-0.07
M2/M1 [%]		81.5
Dist 3dB Peak [mm]		> 16.0



Plots of Measurement

Measurement Report

P04 LTE 13_QPSK10M_Left Cheek_0mm_Ch23230_1RB_OS0_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head	Left Cheek, 0.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	10.55	0.834	39.5

Hardware Setup

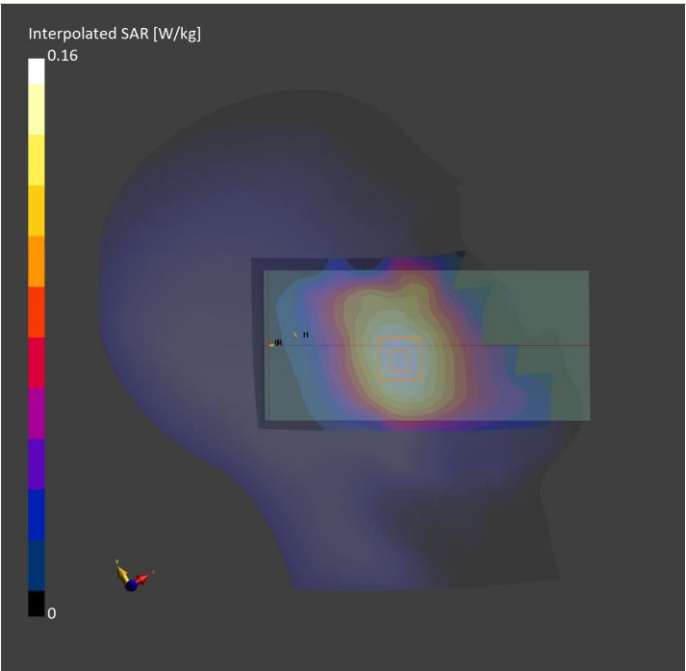
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	0.140	0.156
psSAR10g [W/kg]	0.097	0.117
Power Drift [dB]	0.10	-0.18
M2/M1 [%]		93.7
Dist 3dB Peak [mm]		> 16.0



Plots of Measurement

Measurement Report

P05 LTE 66_QPSK20M_Right Cheek_0mm_Ch132572_1RB_OS0_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593,	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead,	Right Cheek,	Band 66	LTE-FDD, 10169-CAF	1770.000, 132572	8.86	1.24	37.5

Hardware Setup

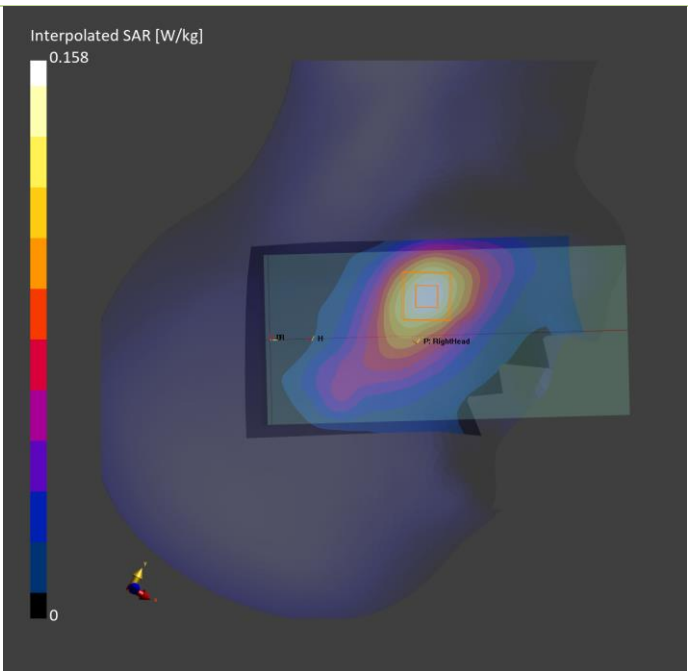
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	0.131	0.125
psSAR10g [W/kg]	0.078	0.079
Power Drift [dB]	-0.06	-0.10
M2/M1 [%]		65.1
Dist 3dB Peak [mm]		17.9



Plots of Measurement

Measurement Report

P06 WLAN2.4G_802.11b_Left Cheek_0mm_Ch11_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head,	Left Cheek, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	8.26	1.78	37.4

Hardware Setup

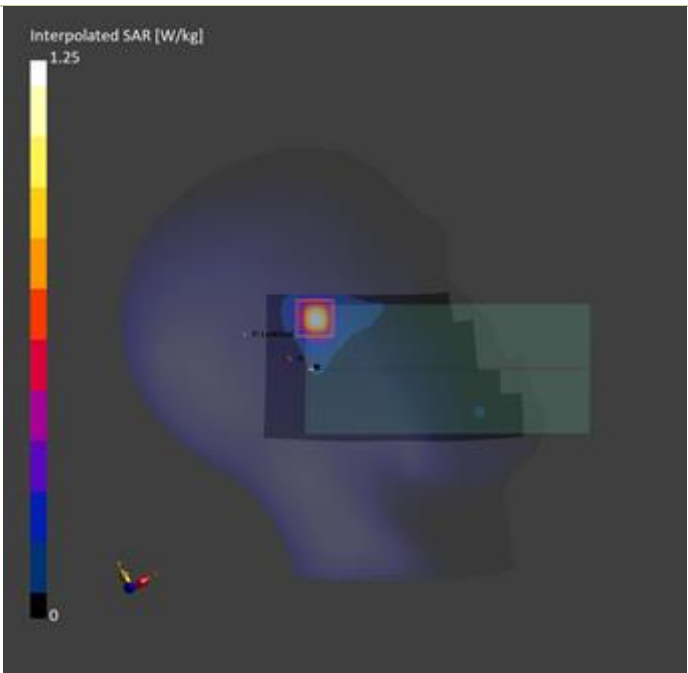
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 168.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	0.608	0.649
psSAR10g [W/kg]	0.298	0.306
Power Drift [dB]	0.15	-0.11
M2/M1 [%]		45.6
Dist 3dB Peak [mm]		10.0



Plots of Measurement

Measurement Report

P07 WLAN5.3G_802.11ac VHT80_Left Cheek_Ch58_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFOK-WTW-P23090593 ,	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead,	Left Cheek, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5290.000, 58	5.24	4.62	35.9

Hardware Setup

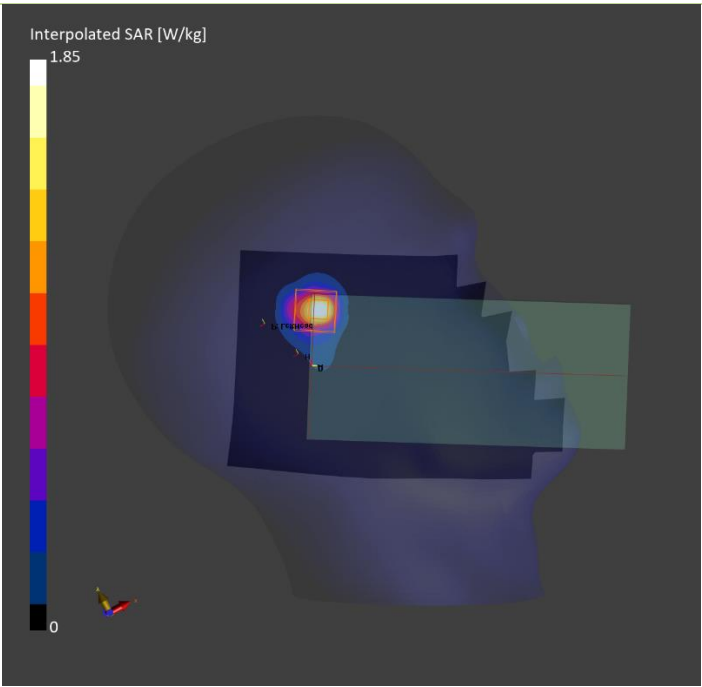
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Nov-14	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 320.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-14	2023-11-14
psSAR1g [W/kg]	0.608	0.786
psSAR10g [W/kg]	0.201	0.225
Power Drift [dB]	-0.03	-0.02
M2/M1 [%]		63.7
Dist 3dB Peak [mm]		5.2



Plots of Measurement

Measurement Report

P08 WLAN5.6G_802.11a_Left Cheek_Ch140_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head	Left Cheek, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5700.000, 140	4.95	5.05	35.2

Hardware Setup

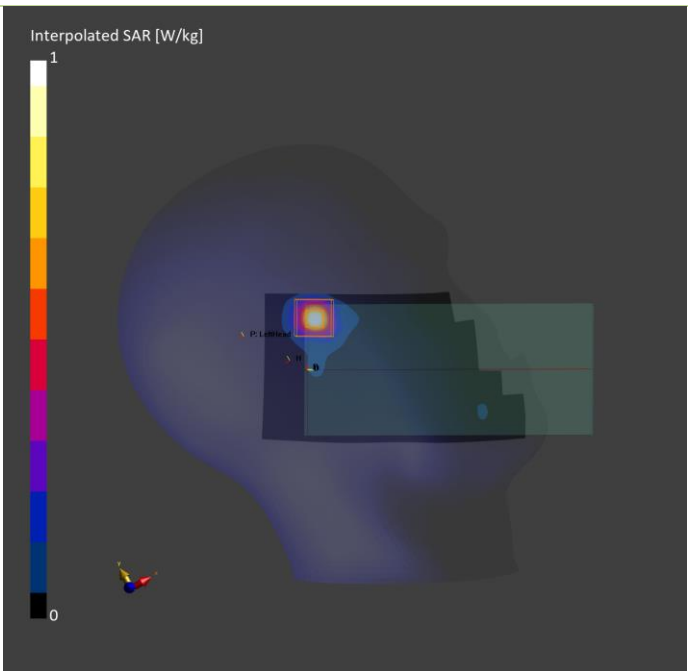
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Nov-14	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 320.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-14	2023-11-14
psSAR1g [W/kg]	0.629	0.697
psSAR10g [W/kg]	0.193	0.194
Power Drift [dB]	-0.15	-0.15
M2/M1 [%]		60.0
Dist 3dB Peak [mm]		5.4



Plots of Measurement

Measurement Report

P09 WLAN5.8G_802.11a_Left Cheek_Ch157_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFOK-WTW-P23090593,	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead,	Left Cheek, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5785.000, 157	4.91	5.15	35.0

Hardware Setup

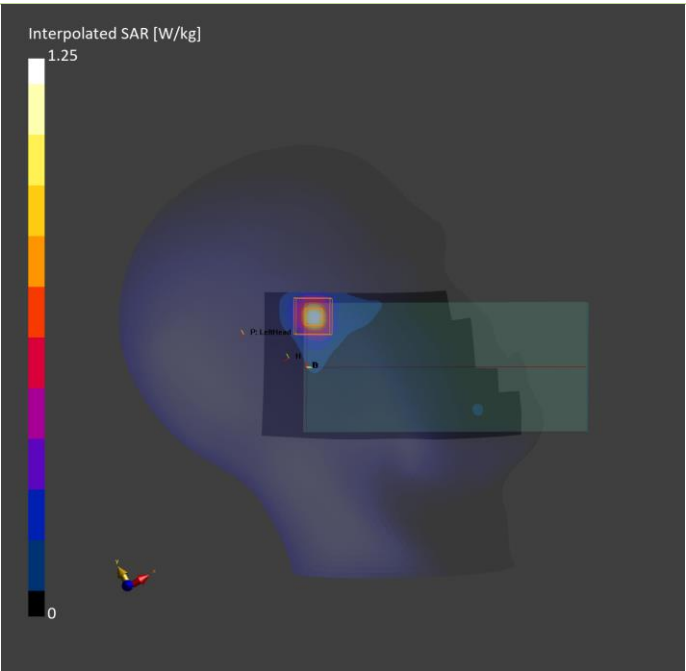
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-14	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 320.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-14	2023-11-14
psSAR1g [W/kg]	0.765	0.788
psSAR10g [W/kg]	0.250	0.235
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		59.3
Dist 3dB Peak [mm]		5.7



Plots of Measurement

Measurement Report

P10 Bluetooth_BR_EDR_Left Cheek_0mm_Ch39_DSI=1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead,	Left Cheek, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.000, 39	8.26	1.77	37.4

Hardware Setup

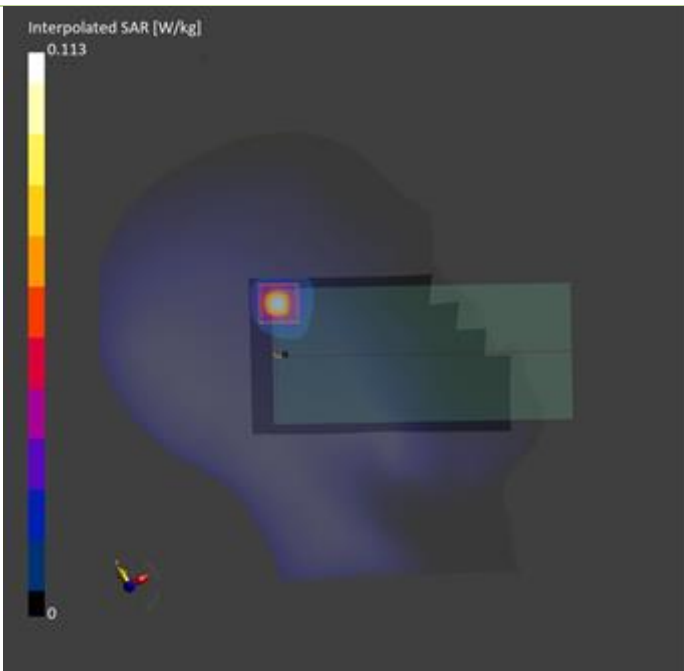
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	0.088	0.112
psSAR10g [W/kg]	0.046	0.051
Power Drift [dB]	-0.03	0.03
M2/M1 [%]		43.9
Dist 3dB Peak [mm]		9.9



Plots of Measurement

Measurement Report

P11 LTE 2_QPSK20M_Front Face_10mm_Ch19100_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Front Face, 10.00	Band 2	LTE-FDD, 10169-CAF	1900.000, 19100	8.44	1.41	38.1

Hardware Setup

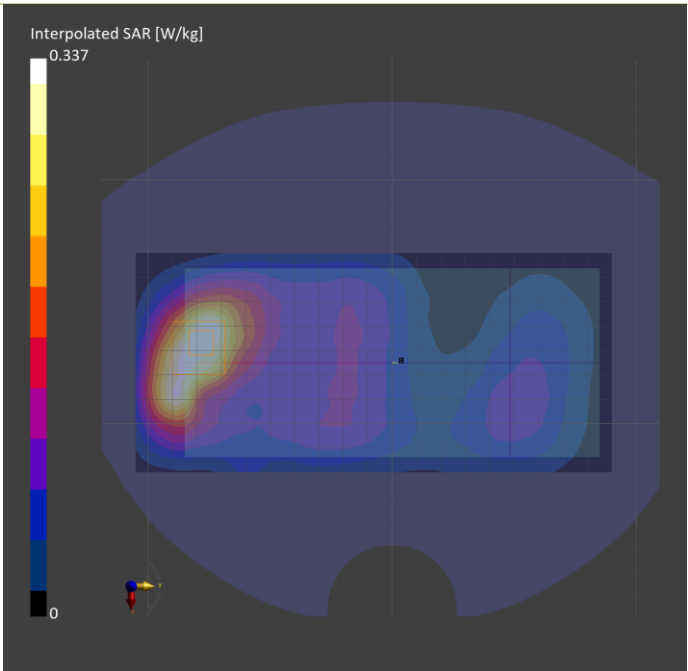
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.280	0.298
psSAR10g [W/kg]	0.166	0.172
Power Drift [dB]	-0.15	-0.16
M2/M1 [%]		57.7
Dist 3dB Peak [mm]		15.9



Plots of Measurement

Measurement Report

P12 LTE 5_QPSK10M_Rear Face_10mm_Ch20525_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 10.00	Band 5	LTE-FDD, 10175-CAH	836.500, 20525	10.36	0.919	40.0

Hardware Setup

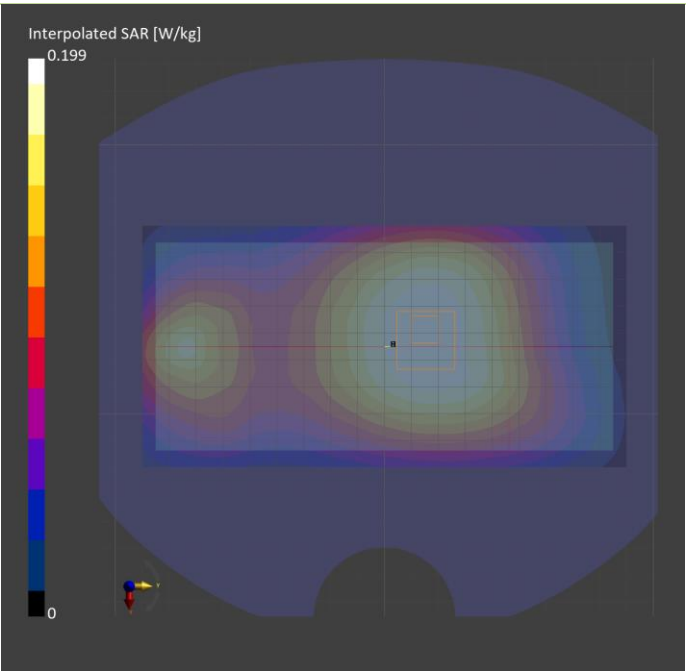
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.176	0.185
psSAR10g [W/kg]	0.125	0.141
Power Drift [dB]	0.01	-0.01
M2/M1 [%]		72.3
Dist 3dB Peak [mm]		> 16.0



Plots of Measurement

Measurement Report

P13 LTE 12_QPSK10M_Rear Face_10mm_Ch23130_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Rear Face, 10.00	Band 12	LTE-FDD, 10175-CAH	711.000, 23130	10.55	0.896	39.6

Hardware Setup

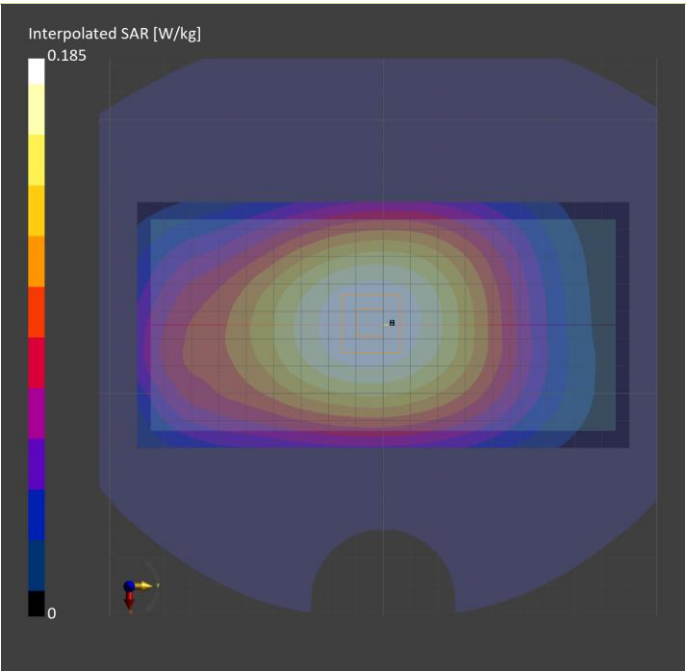
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	0.164	0.174
psSAR10g [W/kg]	0.118	0.132
Power Drift [dB]	0.00	-0.01
M2/M1 [%]		74.7
Dist 3dB Peak [mm]		> 16.0



Plots of Measurement

Measurement Report

P14 LTE 13_QPSK10M_Rear Face_10mm_Ch23230_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 10.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	10.55	0.919	39.4

Hardware Setup

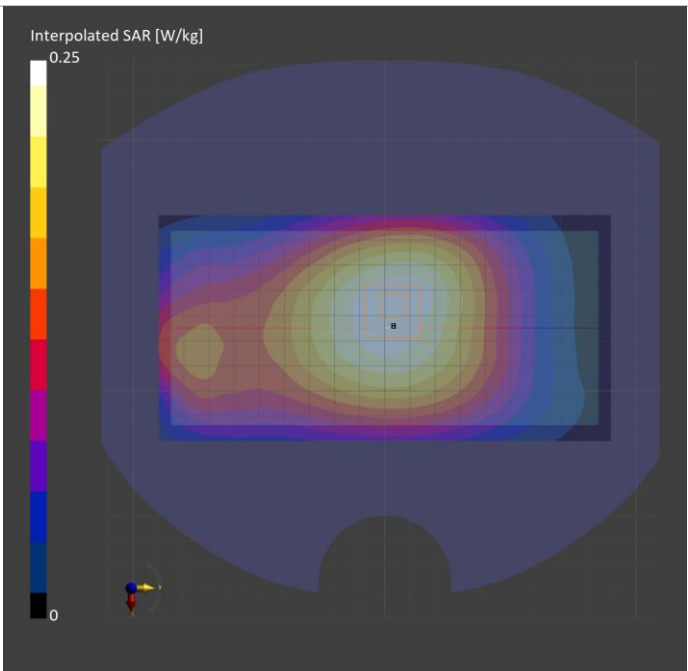
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	0.220	0.232
psSAR10g [W/kg]	0.156	0.175
Power Drift [dB]	0.02	0.01
M2/M1 [%]		73.8
Dist 3dB Peak [mm]		> 16.0



Plots of Measurement

Measurement Report

P15 LTE 66_QPSK20M_Front Face_10mm_Ch132072_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Front Face, 10.00	Band 66	LTE-FDD, 10169-CAF	1720.000, 132072	8.86	1.33	37.6

Hardware Setup

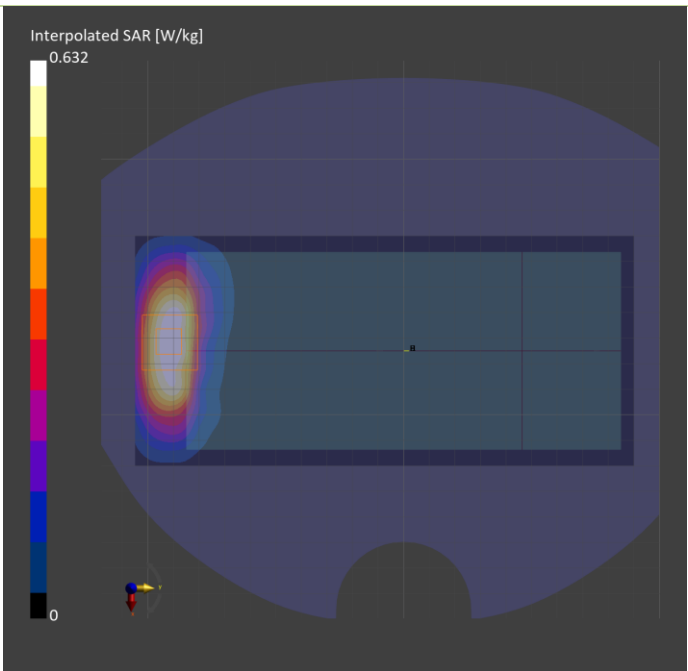
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	0.522	0.495
psSAR10g [W/kg]	0.293	0.279
Power Drift [dB]	N/A	-0.18
M2/M1 [%]		58.5
Dist 3dB Peak [mm]		9.6



Plots of Measurement

Measurement Report

P16 WLAN2.4G_802.11b_Rear Face_10mm_Ch11_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 10.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	8.26	1.78	37.4

Hardware Setup

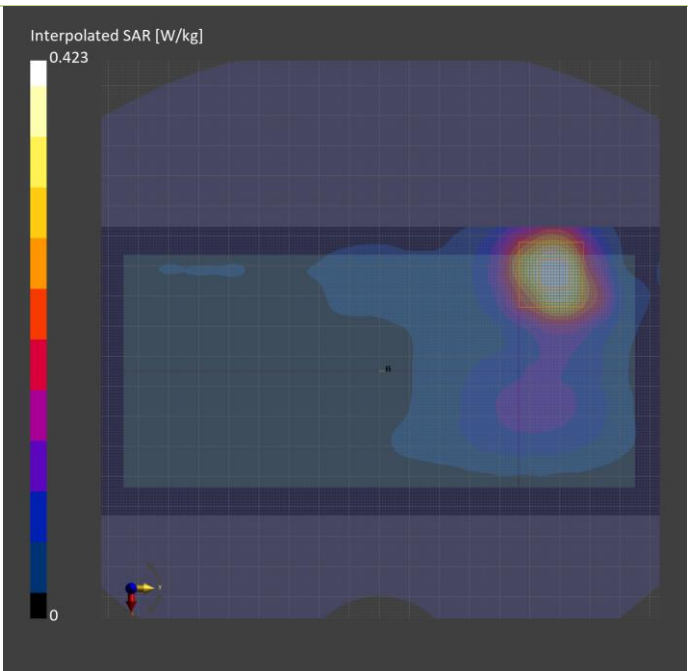
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	0.335	0.340
psSAR10g [W/kg]	0.169	0.163
Power Drift [dB]	0.16	0.07
M2/M1 [%]		40.6
Dist 3dB Peak [mm]		11.5



Plots of Measurement

Measurement Report for P17 WLAN5.3G_802.11a_Rear Face_10mm_Ch52_DSI=2 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFOK-WTW-P23090593,	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Rear Face, 10.00	WLAN 5GHz	WLAN, 10062-CAE	5260.000, 52	5.24	4.41	33.5

Hardware Setup

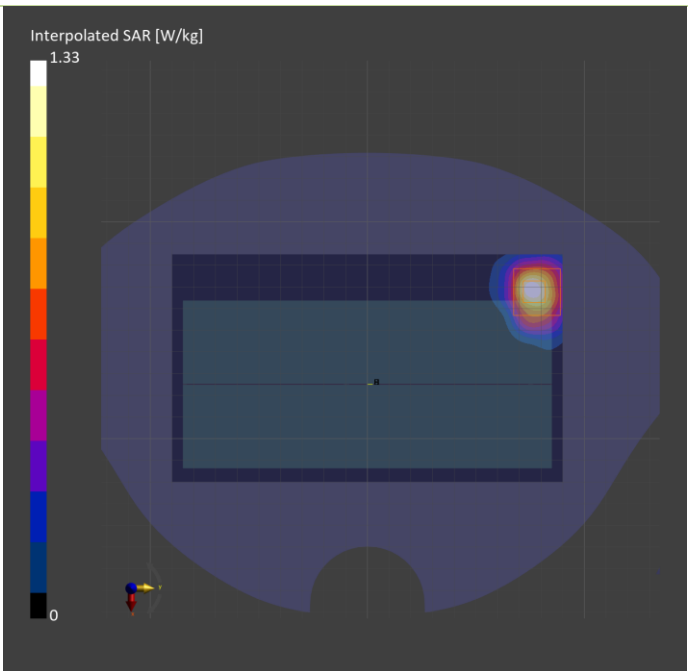
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-27	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 270.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-27	2023-10-27
psSAR1g [W/kg]	0.913	0.92
psSAR10g [W/kg]	0.341	0.341
Power Drift [dB]	-0.01	0.07
M2/M1 [%]		66.5
Dist 3dB Peak [mm]		9.0



Plots of Measurement

Measurement Report

P18 WLAN5.6G_802.11a_Rear Face_10mm_Ch140_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 10.00	WLAN 5GHz	WLAN, 10062-CAE	5700.000, 140	4.95	4.86	32.8

Hardware Setup

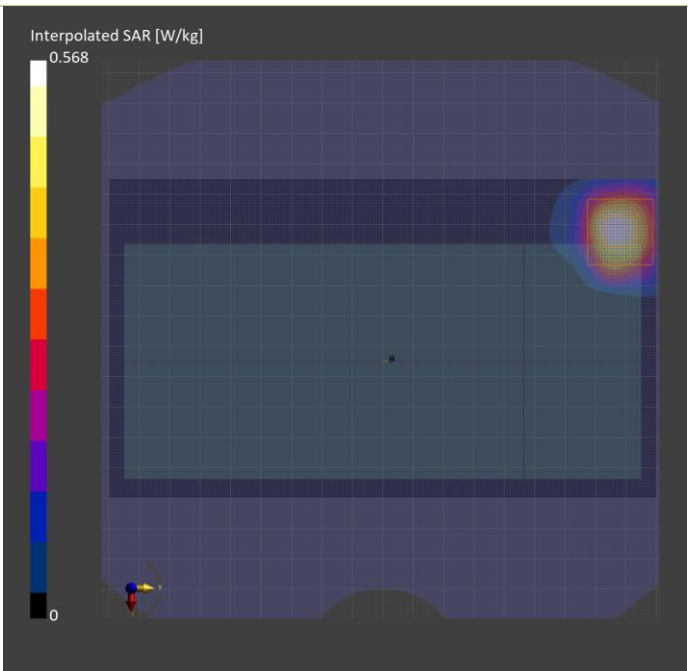
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-30	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 270.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30	2023-10-30
psSAR1g [W/kg]	0.401	0.453
psSAR10g [W/kg]	0.149	0.141
Power Drift [dB]	0.04	0.15
M2/M1 [%]		62.2
Dist 3dB Peak [mm]		9.0



Plots of Measurement

Measurement Report

P19 WLAN5.8G_802.11a_Rear Face_10mm_Ch165_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFOK-WTW-P23090593,	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Rear Face, 10.00	WLAN 5GHz	WLAN, 10062-CAE	5825.000, 165	4.91	4.99	32.6

Hardware Setup

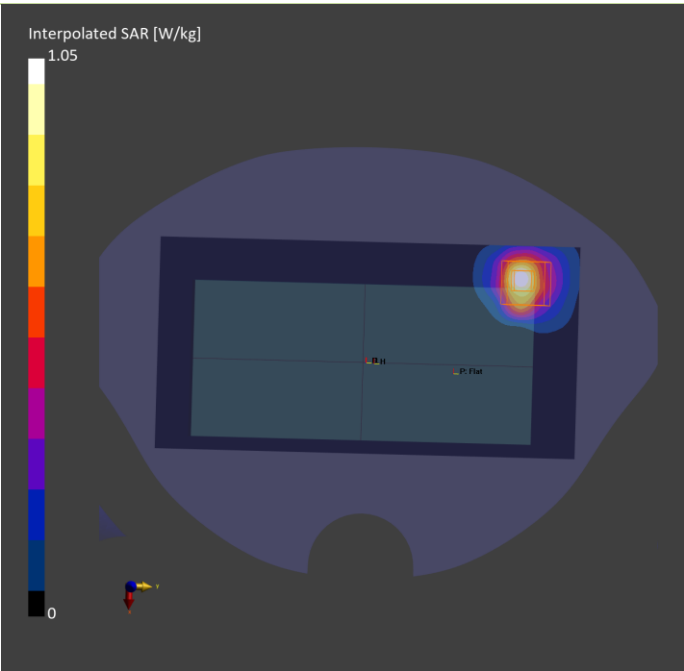
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-27	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 270.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-27	2023-10-27
psSAR1g [W/kg]	0.732	0.841
psSAR10g [W/kg]	0.271	0.290
Power Drift [dB]	0.03	0.05
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		9.7



Plots of Measurement

Measurement Report P20 Bluetooth_BR_EDR_Rear Face_10mm_Ch39_DSI=2 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.000, 39	8.26	1.76	37.4

Hardware Setup

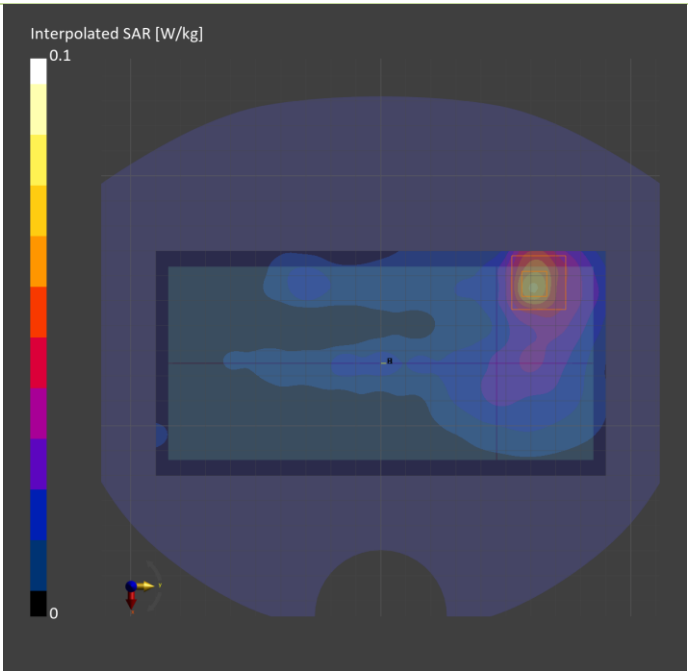
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Oct-31	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 228.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-31	2023-10-31
psSAR1g [W/kg]	0.057	0.059
psSAR10g [W/kg]	0.029	0.033
Power Drift [dB]	N/A	0.02
M2/M1 [%]		15.3
Dist 3dB Peak [mm]		6.0



Plots of Measurement

Measurement Report

P21 LTE 2_QPSK20M_Bottom Side_10mm_Ch18700_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	77.4 x 9.0 x 170.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Bottom Side, 0.00	Band 2	LTE-FDD, 10169-CAF	1860.000, 18700	8.44	1.41	37.4

Hardware Setup

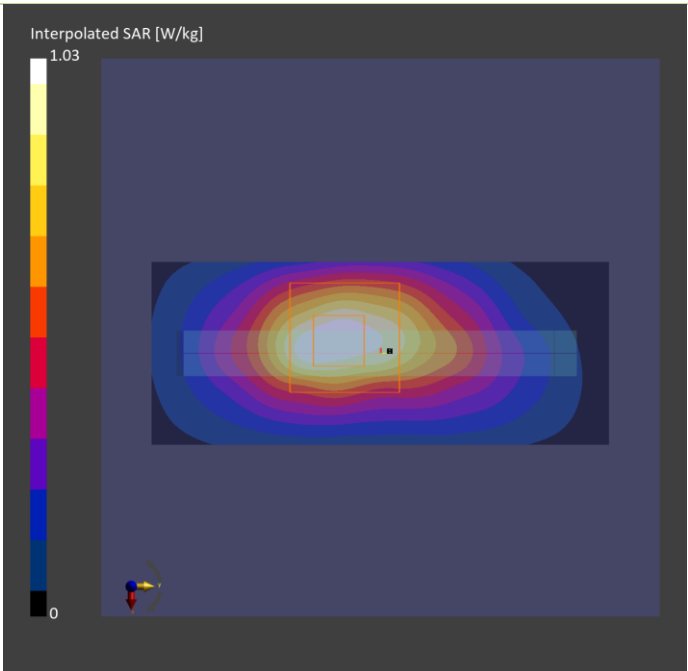
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-01	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	30.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-01	2023-11-01
psSAR1g [W/kg]	0.843	0.891
psSAR10g [W/kg]	0.450	0.472
Power Drift [dB]	-0.01	0.03
M2/M1 [%]		57.0
Dist 3dB Peak [mm]		10.2



Plots of Measurement

Measurement Report

P25 LTE 66_QPSK20M_Bottom Side_10mm_Ch132072_1RB_OS0_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	77.4 x 9.0 x 170.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Bottom Side, 10.00	Band 66	LTE-FDD, 10169-CAF	1720.000, 132072	8.86	1.33	37.6

Hardware Setup

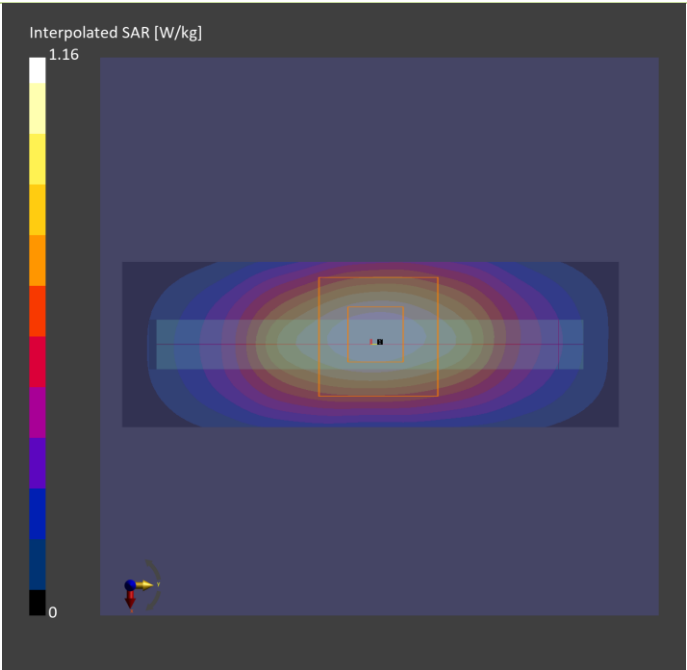
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H06T27N9 , 2023-Nov-02	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	30.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02	2023-11-02
psSAR1g [W/kg]	0.962	0.974
psSAR10g [W/kg]	0.544	0.540
Power Drift [dB]	0.06	0.01
M2/M1 [%]		55.1
Dist 3dB Peak [mm]		10.8



Plots of Measurement

Measurement Report

P27_WLAN5.2G_802.11a_Rear Face_10mm_Ch36_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 10.00	WLAN 5GHz	WLAN, 10062-CAE	5180.000, 36	5.24	4.28	33.2

Hardware Setup

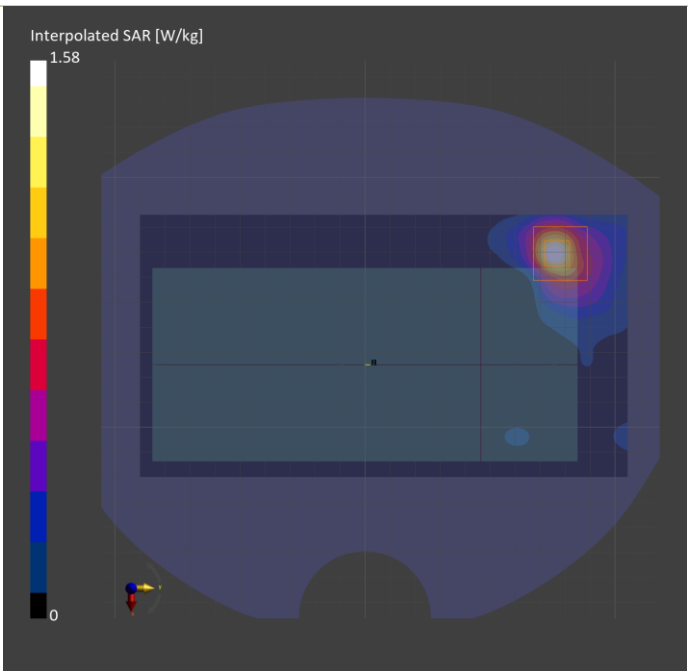
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H51T72N9 , 2023-Oct-31	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 270.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-31	2023-10-31
psSAR1g [W/kg]	1.04	0.99
psSAR10g [W/kg]	0.371	0.383
Power Drift [dB]	N/A	-0.05
M2/M1 [%]		67.4
Dist 3dB Peak [mm]		8.7



Plots of Measurement

Measurement Report

P30 WLAN5.3G_ 802.11a_Rear Face_0mm_Ch52_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5260.000, 52	5.24	4.49	34.9

Hardware Setup

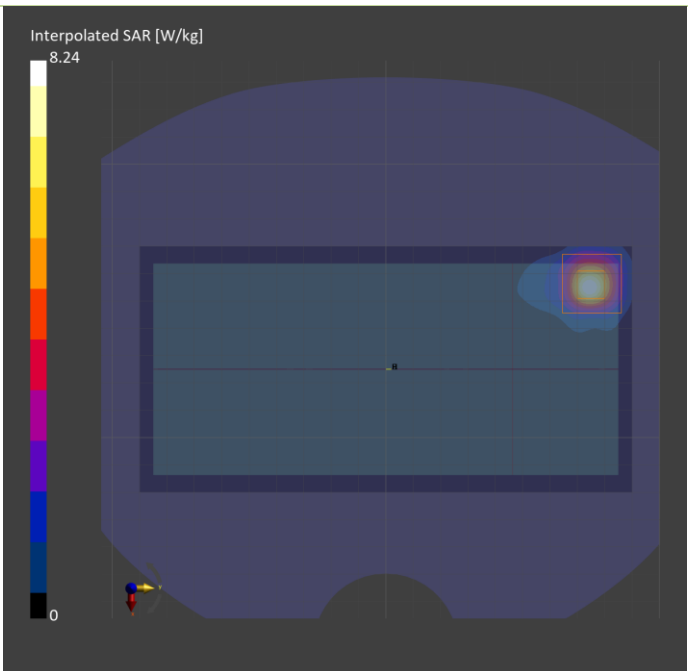
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H52T72N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 270.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	4.96	6.43
psSAR10g [W/kg]	1.57	1.48
Power Drift [dB]	N/A	-0.07
M2/M1 [%]		65.8
Dist 3dB Peak [mm]		6.1



Plots of Measurement

Measurement Report

P31 WLAN5.6G_ 802.11a_Rear Face_0mm_Ch140_DSI=2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P23090593	170.0 x 77.4 x 9.0	WTW231025/027Q06N06	Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	Rear Face, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5700.000, 140	4.95	4.87	34.4

Hardware Setup

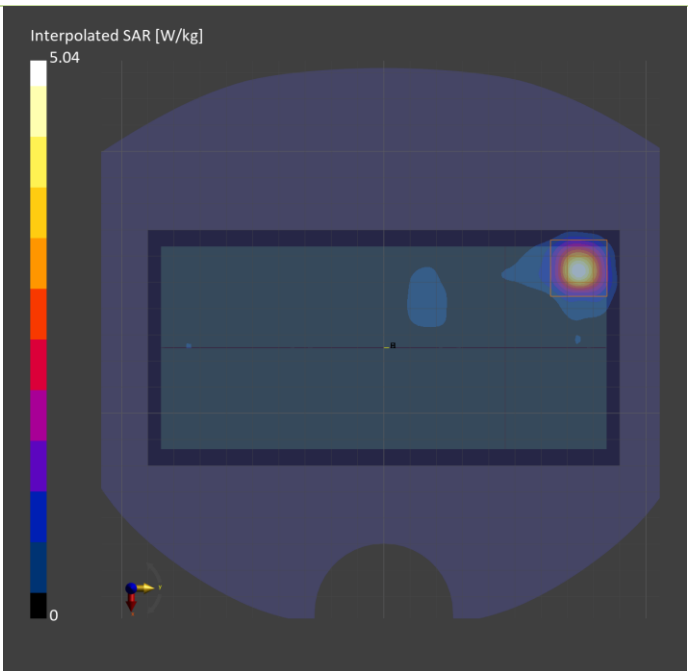
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2122	H52T72N9 , 2023-Nov-03	EX3DV4 - SN3971, 2023-01-20	DAE4 Sn1589, 2023-05-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 270.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03	2023-11-03
psSAR1g [W/kg]	2.99	3.91
psSAR10g [W/kg]	0.877	0.930
Power Drift [dB]	N/A	-0.07
M2/M1 [%]		66.8
Dist 3dB Peak [mm]		5.1



Appendix C. Tissue & System Verification

The measuring results for tissue simulating liquid and system check are shown as below.

Note:

1. For Section 4.3, the dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within ± 10 % of the target values. Liquid temperature during the SAR testing has kept within ± 2 °C.
2. For Section 4.4, The SAR measurement system was validated according to procedures in FCC KDB 865664 D0. The validation status in tabulated summary is as below.
3. For Section 4.5, Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Appendix A of this report.

Tissue Verification									Validation for CW			Validation for Modulation				System Check					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Targeted Conductivity (σ)	Targeted Permittivity (ε _r)	Deviation Conductivity (σ)	Deviation Permittivity (ε _r)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S01	1900	21.5	1.41	38.1	1.4	40	0.71	-4.75	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 01, 2023	1900	39.30	1.99	39.71	1.03	5d036	3971	1589	17
S02	835	21.5	0.919	40	0.9	41.5	2.11	-3.61	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 01, 2023	835	9.72	0.472	9.42	-3.11	4d121	3971	1589	17
S03	750	21.5	0.891	40.2	0.9	42	-1.00	-4.29	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 01, 2023	750	8.56	0.401	8.00	-6.53	1013	3971	1589	17
S04	750	21.2	0.877	41.6	0.9	42	-2.56	-0.95	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 03, 2023	750	8.56	0.401	8.00	-6.53	1013	3971	1589	17
S05	1750	21.2	1.33	38.3	1.37	40.1	-2.92	-4.49	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 03, 2023	1750	35.80	1.69	33.72	-5.81	1055	3971	1589	17
S06	2450	21.9	1.77	37.4	1.8	39.2	-1.67	-4.59	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 30, 2023	2450	50.40	2.41	48.09	-4.59	737	3971	1589	17
S07	5250	21.8	4.57	35.9	4.71	35.9	-2.97	0.00	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 14, 2023	5250	80.10	3.86	77.02	-3.85	1019	3971	1589	17
S08	5600	21.2	4.94	35.3	5.07	35.5	-2.56	-0.56	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 14, 2023	5600	83.00	4.11	82.01	-1.20	1019	3971	1589	17
S09	5800	21.8	5.16	35	5.27	35.3	-2.09	-0.85	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 14, 2023	5800	80.20	3.66	73.03	-8.94	1019	3971	1589	17
S10	2450	21.9	1.77	37.4	1.8	39.2	-1.67	-4.59	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 30, 2023	2450	50.40	2.41	48.09	-4.59	737	3971	1589	17
S11	1900	21.5	1.41	38.1	1.4	40	0.71	-4.75	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 01, 2023	1900	39.30	1.99	39.71	1.03	5d036	3971	1589	17
S12	835	21.5	0.919	40	0.9	41.5	2.11	-3.61	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 01, 2023	835	9.72	0.472	9.42	-3.11	4d121	3971	1589	17
S13	750	21.3	0.909	39.5	0.9	42	1.00	-5.95	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 02, 2023	750	8.56	0.416	8.30	-3.03	1013	3971	1589	17
S14	750	21.3	0.909	39.5	0.9	42	1.00	-5.95	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 02, 2023	750	8.56	0.416	8.30	-3.03	1013	3971	1589	17
S15	1750	21.3	1.34	37.6	1.37	40.1	-2.19	-6.23	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 02, 2023	1750	35.80	1.69	33.72	-5.81	1055	3971	1589	17
S16	2450	22	1.77	37.4	1.8	39.2	-1.67	-4.59	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 30, 2023	2450	50.40	2.41	48.09	-4.59	737	3971	1589	17
S17	5250	21.8	4.35	33	4.71	35.9	-7.64	-8.08	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 27, 2023	5250	80.10	3.85	76.82	-4.10	1019	3971	1589	17
S18	5600	22	4.75	32.9	5.07	35.5	-6.31	-7.32	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 30, 2023	5600	83.00	4.19	83.60	0.72	1019	3971	1589	17
S19	5800	21.8	4.97	32.6	5.27	35.3	-5.69	-7.65	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 27, 2023	5800	80.20	3.66	73.03	-8.94	1019	3971	1589	17
S20	2450	21.9	1.77	37.4	1.8	39.2	-1.67	-4.59	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 31, 2023	2450	50.40	2.41	48.09	-4.59	737	3971	1589	17
S21	1900	21.5	1.41	38.1	1.4	40	0.71	-4.75	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 01, 2023	1900	39.30	1.99	39.71	1.03	5d036	3971	1589	17
S25	1750	21.3	1.34	37.6	1.37	40.1	-2.19	-6.23	Pass	Pass	Pass	N/A	N/A	N/A	Nov. 02, 2023	1750	35.80	1.69	33.72	-5.81	1055	3971	1589	17
S27	5250	21.8	4.35	33	4.71	35.9	-7.64	-8.08	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 31, 2023	5250	80.10	3.85	76.82	-4.10	1019	3971	1589	17

Tissue Verification									Validation for CW			Validation for Modulation				System Check					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Targeted Conductivity (σ)	Targeted Permittivity (ε _r)	Deviation Conductivity (σ)	Deviation Permittivity (ε _r)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 10g SAR (W/kg)	Measured 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S30	5250	21.2	4.49	34.9	4.71	35.9	-4.67	-2.79	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 03, 2023	5250	22.90	1.11	22.15	-3.29	1019	3971	1589	17
S31	5600	21.2	4.87	34.4	5.07	35.5	-3.94	-3.10	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 03, 2023	5600	23.70	1.18	23.54	-0.66	1019	3971	1589	17

Appendix D. Maximum Target Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

LTE Max. Tune-up Power (Head when DSI=1)		
Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	24.0	23.0
LTE 4	24.0	23.0
LTE 5	24.0	23.0
LTE 12	23.0	22.0
LTE 13	23.0	22.0
LTE 66	24.0	23.0

LTE Max. Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)		
Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	20.5	20.5
LTE 4	18.5	18.5
LTE 5	24.0	23.0
LTE 12	23.0	22.0
LTE 13	23.0	22.0
LTE 66	18.5	18.5

WLAN/BT Tune-up Power (Head when DSI=1)			
WLAN 2.4GHz			
Mode	Channel	Frequency	Max Tune up
802.11b	1	2412	15.5
	6	2437	15.5
	11	2462	15.5
802.11g	1	2412	17.0
	6	2437	17.0
	11	2462	17.0
802.11n HT20	1	2412	16.0
	6	2437	16.0
	11	2462	16.0
802.11n HT40	3	2422	16.0
	6	2437	16.0
	9	2452	16.0

WLAN/BT Tune-up Power (Head when DSI=1)			
Bluetooth			
Mode	Channel	Frequency	Max Tune up
BR / EDR	0	2402	10.0
	39	2441	10.0
	78	2480	10.0
LE	0	2402	-2.0
	19	2440	-2.0
	39	2480	-2.0

WLAN/BT Tune-up Power (Head when DSI=1)			
WLAN 5.2GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	36	5180	12.0
	40	5200	12.0
	44	5220	12.0
	48	5240	12.0
802.11n HT20	36	5180	12.0
	40	5200	12.0
	44	5220	12.0
	48	5240	12.0
802.11n HT40	38	5190	12.0
	46	5230	12.0
802.11ac VHT20	36	5180	12.0
	40	5200	12.0
	44	5220	12.0
	48	5240	12.0
802.11ac VHT40	38	5190	12.0
	46	5230	12.0
802.11ac VHT80	42	5210	12.0

WLAN/BT Tune-up Power (Head when DSI=1)			
WLAN 5.3GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	52	5260	12.0
	56	5280	12.0
	60	5300	12.0
	64	5320	12.0
802.11n HT20	52	5260	12.0
	56	5280	12.0
	60	5300	12.0
	64	5320	12.0
802.11n HT40	54	5270	12.0
	62	5310	12.0
802.11ac VHT20	52	5260	12.0
	56	5280	12.0
	60	5300	12.0
	64	5320	12.0
802.11ac VHT40	54	5270	12.0
	62	5310	12.0
802.11ac VHT80	58	5290	12.0

WLAN/BT Tune-up Power (Head when DSI=1)			
WLAN 5.6GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	100	5500	14.5
	116	5580	14.5
	120	5600	14.5
	124	5620	14.5
	132	5660	14.5
	140	5700	14.5
802.11n HT20	100	5500	13.5
	116	5580	13.5
	120	5600	13.5
	124	5620	13.5
	132	5660	13.5
	140	5700	13.5
802.11n HT40	102	5510	13.5
	110	5550	13.5
	118	5590	13.5
	126	5630	13.5
	134	5670	13.5
802.11ac VHT20	100	5500	13.5
	116	5580	13.5
	120	5600	13.5
	124	5620	13.5
	132	5660	13.5
	140	5700	13.5
802.11ac VHT40	102	5510	13.5
	110	5550	13.5
	118	5590	13.5
	126	5630	13.5
	134	5670	13.5
802.11ac VHT80	106	5530	13.0
	122	5610	13.0

WLAN/BT Tune-up Power (Head when DSI=1)			
WLAN 5.8GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	149	5745	14.5
	153	5765	14.5
	157	5785	14.5
	161	5805	14.5
	165	5825	14.5
802.11n HT20	149	5745	13.5
	153	5765	13.5
	157	5785	13.5
	161	5805	13.5
	165	5825	13.5
802.11n HT40	151	5755	13.5
	159	5795	13.5
802.11ac VHT20	149	5745	13.5
	153	5765	13.5
	157	5785	13.5
	161	5805	13.5
	165	5825	13.5
802.11ac VHT40	151	5755	13.5
	159	5795	13.5
802.11ac VHT80	155	5775	13.0

WLAN/BT Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 2.4GHz			
Mode	Channel	Frequency	Max Tune up
802.11b	1	2412	15.5
	6	2437	15.5
	11	2462	15.5
802.11g	1	2412	17.0
	6	2437	17.0
	11	2462	17.0
802.11n HT20	1	2412	16.0
	6	2437	16.0
	11	2462	16.0
802.11n HT40	3	2422	16.0
	6	2437	16.0
	9	2452	16.0

WLAN/BT Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)			
Bluetooth			
Mode	Channel	Frequency	Max Tune up
BR / EDR	0	2402	10.0
	39	2441	10.0
	78	2480	10.0
LE	0	2402	-1.5
	19	2440	-1.5
	39	2480	-1.5

WLAN/BT Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.2GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	36	5180	16.5
	40	5200	16.5
	44	5220	16.5
	48	5240	16.5
802.11n HT20	36	5180	15.5
	40	5200	15.5
	44	5220	15.5
	48	5240	15.5
802.11n HT40	38	5190	15.5
	46	5230	15.5
802.11ac VHT20	36	5180	14.0
	40	5200	14.0
	44	5220	14.0
	48	5240	14.0
802.11ac VHT40	38	5190	14.0
	46	5230	14.0
802.11ac VHT80	42	5210	14.0

WLAN/BT Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.3GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	52	5260	16.5
	56	5280	16.5
	60	5300	16.5
	64	5320	16.5
802.11n HT20	52	5260	15.5
	56	5280	15.5
	60	5300	15.5
	64	5320	15.5
802.11n HT40	54	5270	15.5
	62	5310	15.5
802.11ac VHT20	52	5260	14.0
	56	5280	14.0
	60	5300	14.0
	64	5320	14.0
802.11ac VHT40	54	5270	14.0
	62	5310	14.0
802.11ac VHT80	58	5290	14.0

WLAN/BT Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.6GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	100	5500	16.5
	116	5580	16.5
	120	5600	16.5
	124	5620	16.5
	132	5660	16.5
	140	5700	16.5
802.11n HT20	100	5500	15.5
	116	5580	15.5
	120	5600	15.5
	124	5620	15.5
	132	5660	15.5
	140	5700	15.5
802.11n HT40	102	5510	15.5
	110	5550	15.5
	118	5590	15.5
	126	5630	15.5
	134	5670	15.5
802.11ac VHT20	100	5500	14.0
	116	5580	14.0
	120	5600	14.0
	124	5620	14.0
	132	5660	14.0
	140	5700	14.0
802.11ac VHT40	102	5510	14.0
	110	5550	14.0
	118	5590	14.0
	126	5630	14.0
	134	5670	14.0
802.11ac VHT80	106	5530	14.0
	122	5610	14.0

WLAN/BT Tune-up Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.8GHz			
Mode	Channel	Frequency	Max Tune up
802.11a	149	5745	16.5
	153	5765	16.5
	157	5785	16.5
	161	5805	16.5
	165	5825	16.5
802.11n HT20	149	5745	15.5
	153	5765	15.5
	157	5785	15.5
	161	5805	15.5
	165	5825	15.5
802.11n HT40	151	5755	15.5
	159	5795	15.5
802.11ac VHT20	149	5745	14.0
	153	5765	14.0
	157	5785	14.0
	161	5805	14.0
	165	5825	14.0
802.11ac VHT40	151	5755	14.0
	159	5795	14.0
802.11ac VHT80	155	5775	14.0

Appendix E. Measured Conducted Power Result

The measuring conducted power (Unit: dBm) are shown as below.

LTE Conducted Power (Head when DSI=1)							
LTE Band 2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		18700	18900	19100	
		Frequency (MHz)		1860	1880	1900	
20M	QPSK	1	0	22.34	22.40	22.29	0
		1	50	22.31	22.37	22.26	0
		1	99	22.28	22.34	22.23	0
		50	0	21.36	21.42	21.31	1
		50	25	21.29	21.35	21.24	1
		50	50	21.25	21.31	21.20	1
		100	0	21.27	21.33	21.22	1
20M	16QAM	1	0	21.33	21.39	21.28	1
		1	50	21.29	21.35	21.24	1
		1	99	21.26	21.32	21.21	1
		50	0	20.39	20.45	20.34	2
		50	25	20.15	20.21	20.10	2
		50	50	20.28	20.34	20.23	2
		100	0	20.32	20.38	20.27	2
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR
		Frequency (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	22.28	22.37	22.29	0
		1	37	22.21	22.28	22.19	0
		1	74	22.26	22.34	22.18	0
		36	0	21.34	21.39	21.25	1
		36	19	21.24	21.25	21.22	1
		36	39	21.22	21.26	21.11	1
		75	0	21.19	21.31	21.12	1
15M	16QAM	1	0	21.33	21.36	21.22	1
		1	37	21.20	21.28	21.18	1
		1	74	21.19	21.30	21.17	1
		36	0	20.32	20.39	20.26	2
		36	19	20.06	20.21	20.03	2
		36	39	20.26	20.33	20.19	2
		75	0	20.31	20.30	20.24	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 2							
BW	MCS Index	Channel		18650	18900	19150	3GPP MPR
		Frequency (MHz)		1855	1880	1905	
10M	QPSK	1	0	22.25	22.25	22.14	0
		1	24	22.17	22.17	22.06	0
		1	49	22.21	22.17	22.06	0
		25	0	21.33	21.31	21.25	1
		25	12	21.10	21.31	21.08	1
		25	25	21.12	21.08	21.02	1
		50	0	21.10	21.26	21.01	1
10M	16QAM	1	0	21.24	21.30	21.25	1
		1	24	21.20	21.31	21.16	1
		1	49	21.20	21.10	21.04	1
		25	0	20.29	20.41	20.19	2
		25	12	20.04	20.04	20.08	2
		25	25	20.24	20.32	20.16	2
		50	0	20.13	20.28	20.22	2
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequency (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	22.28	22.30	22.20	0
		1	12	22.22	22.34	22.22	0
		1	24	22.19	22.34	22.23	0
		12	0	21.30	21.34	21.23	1
		12	6	21.29	21.29	21.19	1
		12	13	21.20	21.31	21.19	1
		25	0	21.21	21.23	21.20	1
5M	16QAM	1	0	21.32	21.31	21.21	1
		1	12	21.29	21.29	21.17	1
		1	24	21.16	21.22	21.13	1
		12	0	20.39	20.39	20.34	2
		12	6	20.06	20.21	20.06	2
		12	13	20.20	20.33	20.21	2
		25	0	20.26	20.33	20.26	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 2							
BW	MCS Index	Channel		18615	18900	19185	3GPP MPR
		Frequency (MHz)		1851.5	1880	1908.5	
3M	QPSK	1	0	22.27	22.34	22.25	0
		1	7	22.27	22.30	22.18	0
		1	14	22.25	22.28	22.20	0
		8	0	21.35	21.38	21.27	1
		8	3	21.22	21.26	21.24	1
		8	7	21.23	21.28	21.17	1
		15	0	21.27	21.30	21.19	1
3M	16QAM	1	0	21.30	21.39	21.28	1
		1	7	21.29	21.32	21.23	1
		1	14	21.18	21.24	21.12	1
		8	0	20.34	20.45	20.34	2
		8	3	20.11	20.17	20.06	2
		8	7	20.21	20.25	20.13	2
		15	0	20.25	20.34	20.20	2
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequency (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	22.17	22.35	22.10	0
		1	2	22.14	22.32	22.06	0
		1	5	22.10	22.12	22.08	0
		3	0	22.35	22.27	22.03	0
		3	1	22.19	22.14	22.09	0
		3	3	22.23	22.13	22.11	0
		6	0	21.13	21.17	21.14	1
1.4M	16QAM	1	0	21.18	21.21	21.12	1
		1	2	21.19	21.25	21.01	1
		1	5	21.14	21.14	21.17	1
		3	0	21.26	21.41	21.22	1
		3	1	22.07	21.11	21.08	1
		3	3	21.23	21.19	21.01	1
		6	0	20.20	20.22	20.18	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20050	20175	20300	
		Frequency (MHz)		1720	1732.5	1745	
20M	QPSK	1	0	22.14	22.25	22.18	0
		1	50	22.12	22.23	22.16	0
		1	99	22.10	22.21	22.14	0
		50	0	21.26	21.37	21.30	1
		50	25	21.23	21.34	21.27	1
		50	50	21.20	21.31	21.24	1
		100	0	21.22	21.33	21.26	1
20M	16QAM	1	0	21.24	21.35	21.28	1
		1	50	21.21	21.32	21.25	1
		1	99	21.18	21.29	21.22	1
		50	0	20.25	20.36	20.29	2
		50	25	20.22	20.33	20.26	2
		50	50	20.18	20.29	20.22	2
		100	0	20.20	20.31	20.24	2
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequency (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	22.08	22.15	22.15	0
		1	37	22.05	22.13	22.16	0
		1	74	22.03	22.15	22.07	0
		36	0	21.19	21.32	21.22	1
		36	19	21.15	21.25	21.27	1
		36	39	21.13	21.25	21.18	1
		75	0	21.17	21.25	21.21	1
15M	16QAM	1	0	21.17	21.35	21.25	1
		1	37	21.16	21.23	21.24	1
		1	74	21.11	21.27	21.19	1
		36	0	20.18	20.33	20.23	2
		36	19	20.22	20.30	20.24	2
		36	39	20.15	20.24	20.15	2
		75	0	20.19	20.23	20.23	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 4							
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR
		Frequency (MHz)		1715	1732.5	1750	
10M	QPSK	1	0	22.05	22.21	22.09	0
		1	24	22.05	22.17	22.03	0
		1	49	22.01	22.13	22.02	0
		25	0	21.18	21.25	21.26	1
		25	12	21.16	21.29	21.06	1
		25	25	21.08	21.21	21.05	1
		50	0	21.05	21.19	21.02	1
10M	16QAM	1	0	21.11	21.30	21.13	1
		1	24	21.11	21.21	21.14	1
		1	49	21.11	21.10	21.09	1
		25	0	20.11	20.25	20.07	2
		25	12	20.12	20.26	20.11	2
		25	25	20.01	20.12	20.05	2
		50	0	20.06	20.14	20.12	2
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequency (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	22.14	22.16	22.09	0
		1	12	22.09	22.15	22.16	0
		1	24	22.02	22.11	22.07	0
		12	0	21.23	21.36	21.21	1
		12	6	21.20	21.30	21.20	1
		12	13	21.11	21.26	21.22	1
		25	0	21.17	21.29	21.25	1
5M	16QAM	1	0	21.18	21.26	21.21	1
		1	12	21.16	21.26	21.22	1
		1	24	21.16	21.26	21.14	1
		12	0	20.21	20.31	20.22	2
		12	6	20.14	20.32	20.18	2
		12	13	20.12	20.24	20.21	2
		25	0	20.10	20.22	20.17	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 4							
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR
		Frequency (MHz)		1711.5	1732.5	1753.5	
3M	QPSK	1	0	22.05	22.18	22.17	0
		1	7	22.06	22.19	22.12	0
		1	14	22.06	22.17	22.14	0
		8	0	21.16	21.37	21.25	1
		8	3	21.15	21.26	21.23	1
		8	7	21.12	21.25	21.18	1
		15	0	21.21	21.23	21.21	1
3M	16QAM	1	0	21.17	21.32	21.25	1
		1	7	21.20	21.25	21.23	1
		1	14	21.10	21.26	21.14	1
		8	0	20.19	20.32	20.24	2
		8	3	20.20	20.27	20.26	2
		8	7	20.14	20.28	20.16	2
		15	0	20.19	20.27	20.24	2
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequency (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	22.04	22.21	22.03	0
		1	2	22.09	22.11	22.01	0
		1	5	22.03	22.06	22.02	0
		3	0	22.21	22.19	22.01	0
		3	1	22.16	22.17	22.14	0
		3	3	22.13	22.12	22.11	0
		6	0	21.01	21.21	21.03	1
1.4M	16QAM	1	0	21.11	21.27	21.19	1
		1	2	21.07	21.25	21.24	1
		1	5	21.06	21.19	21.10	1
		3	0	21.21	21.17	21.21	1
		3	1	21.12	21.17	21.18	1
		3	3	21.02	21.11	21.12	1
		6	0	20.04	20.18	20.20	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 5							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20450	20525	20600	
		Frequency (MHz)		829	836.5	844	
10M	QPSK	1	0	22.68	22.82	22.74	0
		1	24	22.64	22.78	22.70	0
		1	49	22.61	22.75	22.67	0
		25	0	21.65	21.79	21.71	1
		25	12	21.62	21.76	21.68	1
		25	25	21.58	21.72	21.64	1
		50	0	21.60	21.74	21.66	1
10M	16QAM	1	0	21.59	21.73	21.65	1
		1	24	21.57	21.71	21.63	1
		1	49	21.51	21.65	21.57	1
		25	0	20.64	20.78	20.70	2
		25	12	20.60	20.74	20.66	2
		25	25	20.55	20.69	20.61	2
		50	0	20.58	20.72	20.64	2
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR
		Frequency (MHz)		826.5	836.5	846.5	
5M	QPSK	1	0	22.64	22.74	22.72	0
		1	12	22.61	22.72	22.67	0
		1	24	22.56	22.68	22.60	0
		12	0	21.65	21.75	21.69	1
		12	6	21.53	21.75	21.67	1
		12	13	21.56	21.66	21.58	1
		25	0	21.52	21.74	21.61	1
5M	16QAM	1	0	21.49	21.63	21.60	1
		1	12	21.51	21.66	21.58	1
		1	24	21.46	21.58	21.57	1
		12	0	20.54	20.72	20.63	2
		12	6	20.57	20.73	20.62	2
		12	13	20.51	20.60	20.58	2
		25	0	20.52	20.62	20.59	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 5							
BW	MCS Index	Channel		20415	20525	20635	3GPP MPR
		Frequency (MHz)		825.5	836.5	847.5	
3M	QPSK	1	0	22.59	22.67	22.53	0
		1	7	22.45	22.61	22.50	0
		1	14	22.44	22.64	22.51	0
		8	0	21.58	21.71	21.52	1
		8	3	21.42	21.61	21.63	1
		8	7	21.38	21.59	21.58	1
		15	0	21.49	21.63	21.60	1
3M	16QAM	1	0	21.45	21.59	21.53	1
		1	7	21.49	21.50	21.57	1
		1	14	21.34	21.44	21.43	1
		8	0	20.55	20.70	20.52	2
		8	3	20.45	20.59	20.60	2
		8	7	20.39	20.61	20.57	2
		15	0	20.50	20.65	20.46	2
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR
		Frequency (MHz)		824.7	836.5	848.3	
1.4M	QPSK	1	0	22.60	22.70	22.54	0
		1	2	22.43	22.64	22.49	0
		1	5	22.47	22.64	22.36	0
		3	0	22.50	22.58	22.47	0
		3	1	22.49	22.57	22.49	0
		3	3	22.45	22.62	22.34	0
		6	0	21.47	21.63	21.56	1
1.4M	16QAM	1	0	21.46	21.62	21.56	1
		1	2	21.56	21.59	21.54	1
		1	5	21.36	21.58	21.45	1
		3	0	21.51	21.58	21.61	1
		3	1	21.44	21.65	21.52	1
		3	3	21.45	21.62	21.44	1
		6	0	20.45	20.69	20.57	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 12							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		23060	23095	23130	
		Frequency (MHz)		704	707.5	711	
10M	QPSK	1	0	21.49	21.55	21.39	0
		1	24	21.41	21.47	21.31	0
		1	49	21.39	21.45	21.29	0
		25	0	20.52	20.58	20.42	1
		25	12	20.49	20.55	20.39	1
		25	25	20.45	20.51	20.35	1
		50	0	20.47	20.53	20.37	1
10M	16QAM	1	0	20.43	20.49	20.33	1
		1	24	20.40	20.46	20.30	1
		1	49	20.36	20.42	20.26	1
		25	0	19.51	19.57	19.41	2
		25	12	19.48	19.54	19.38	2
		25	25	19.43	19.49	19.33	2
		50	0	19.46	19.52	19.36	2
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR
		Frequency (MHz)		701.5	707.5	713.5	
5M	QPSK	1	0	21.48	21.46	21.35	0
		1	12	21.35	21.43	21.28	0
		1	24	21.29	21.35	21.29	0
		12	0	20.49	20.58	20.40	1
		12	6	20.41	20.54	20.36	1
		12	13	20.42	20.49	20.31	1
		25	0	20.37	20.46	20.35	1
5M	16QAM	1	0	20.36	20.43	20.26	1
		1	12	20.37	20.43	20.26	1
		1	24	20.27	20.39	20.16	1
		12	0	19.43	19.53	19.37	2
		12	6	19.43	19.50	19.30	2
		12	13	19.39	19.44	19.33	2
		25	0	19.39	19.50	19.31	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 12							
BW	MCS Index	Channel		23025	23095	23165	3GPP MPR
		Frequency (MHz)		700.5	707.5	714.5	
3M	QPSK	1	0	21.41	21.41	21.33	0
		1	7	21.32	21.35	21.18	0
		1	14	21.17	21.38	21.16	0
		8	0	20.31	20.46	20.31	1
		8	3	20.37	20.50	20.28	1
		8	7	20.38	20.35	20.28	1
		15	0	20.28	20.42	20.28	1
3M	16QAM	1	0	20.30	20.37	20.24	1
		1	7	20.20	20.30	20.11	1
		1	14	20.23	20.29	20.10	1
		8	0	19.38	19.47	19.25	2
		8	3	19.34	19.51	19.15	2
		8	7	19.35	19.46	19.27	2
		15	0	19.26	19.47	19.21	2
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR
		Frequency (MHz)		699.7	707.5	715.3	
1.4M	QPSK	1	0	21.36	21.41	21.27	0
		1	2	21.36	21.33	21.31	0
		1	5	21.35	21.36	21.23	0
		3	0	21.31	21.45	21.12	0
		3	1	21.42	21.45	21.22	0
		3	3	21.38	21.38	21.18	0
		6	0	20.34	20.38	20.07	1
1.4M	16QAM	1	0	20.35	20.30	20.26	1
		1	2	20.28	20.36	20.14	1
		1	5	20.24	20.29	20.15	1
		3	0	20.45	20.50	20.35	1
		3	1	20.42	20.44	20.18	1
		3	3	20.29	20.36	20.17	1
		6	0	19.30	19.46	19.30	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 13							
BW	MCS Index	RB Size	RB Offset		Mid		3GPP MPR (dB)
		Channel			23230		
		Frequency (MHz)			782		
10M	QPSK	1	0		22.54		0
		1	24		22.51		0
		1	49		22.48		0
		25	0		21.56		1
		25	12		21.52		1
		25	25		21.44		1
		50	0		21.46		1
10M	16QAM	1	0		21.54		1
		1	24		21.52		1
		1	49		21.47		1
		25	0		20.55		2
		25	12		20.52		2
		25	25		20.44		2
		50	0		20.48		2
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR
		Frequency (MHz)		779.5	782	784.5	
5M	QPSK	1	0	22.37	22.47	22.33	0
		1	12	22.34	22.44	22.30	0
		1	24	22.32	22.42	22.28	0
		12	0	21.42	21.52	21.38	1
		12	6	21.37	21.47	21.33	1
		12	13	21.32	21.42	21.28	1
		25	0	21.34	21.44	21.30	1
5M	16QAM	1	0	21.39	21.49	21.35	1
		1	12	21.36	21.46	21.32	1
		1	24	21.34	21.44	21.30	1
		12	0	20.41	20.51	20.37	2
		12	6	20.36	20.46	20.32	2
		12	13	20.32	20.42	20.28	2
		25	0	20.34	20.44	20.30	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 66							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		132072	132322	132572	
		Frequency (MHz)		1720	1745	1770	
20M	QPSK	1	0	22.57	22.68	22.62	0
		1	50	22.51	22.62	22.56	0
		1	99	22.46	22.57	22.51	0
		50	0	21.60	21.71	21.65	1
		50	25	21.54	21.65	21.59	1
		50	50	21.50	21.61	21.55	1
		100	0	21.52	21.63	21.57	1
20M	16QAM	1	0	21.55	21.66	21.60	1
		1	50	21.52	21.63	21.57	1
		1	99	21.50	21.61	21.55	1
		50	0	20.48	20.59	20.53	2
		50	25	20.53	20.64	20.58	2
		50	50	20.46	20.57	20.51	2
		100	0	20.50	20.61	20.55	2
BW	MCS Index	Channel		132047	132322	132597	3GPP MPR
		Frequency (MHz)		1717.5	1745	1772.5	
15M	QPSK	1	0	22.56	22.62	22.56	0
		1	37	22.46	22.59	22.52	0
		1	74	22.45	22.57	22.50	0
		36	0	21.58	21.63	21.65	1
		36	19	21.53	21.62	21.59	1
		36	39	21.43	21.53	21.52	1
		75	0	21.42	21.59	21.50	1
15M	16QAM	1	0	21.54	21.62	21.59	1
		1	37	21.43	21.55	21.53	1
		1	74	21.40	21.54	21.48	1
		36	0	20.46	20.49	20.43	2
		36	19	20.47	20.61	20.50	2
		36	39	20.38	20.56	20.46	2
		75	0	20.49	20.59	20.49	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 66							
BW	MCS Index	Channel		132022	132322	132622	3GPP MPR
		Frequency (MHz)		1715	1745	1775	
10M	QPSK	1	0	22.43	22.59	22.52	0
		1	24	22.43	22.55	22.48	0
		1	49	22.37	22.39	22.48	0
		25	0	21.45	21.63	21.60	1
		25	12	21.35	21.56	21.37	1
		25	25	21.48	21.39	21.42	1
		50	0	21.41	21.54	21.49	1
10M	16QAM	1	0	21.45	21.53	21.51	1
		1	24	21.49	21.51	21.47	1
		1	49	21.42	21.48	21.44	1
		25	0	20.43	20.54	20.37	2
		25	12	20.44	20.55	20.46	2
		25	25	20.33	20.43	20.41	2
		50	0	20.34	20.41	20.41	2
BW	MCS Index	Channel		131997	132322	132647	3GPP MPR
		Frequency (MHz)		1712.5	1745	1777.5	
5M	QPSK	1	0	22.45	22.54	22.49	0
		1	12	22.46	22.51	22.42	0
		1	24	22.37	22.43	22.47	0
		12	0	21.38	21.59	21.56	1
		12	6	21.39	21.64	21.54	1
		12	13	21.43	21.51	21.51	1
		25	0	21.43	21.54	21.37	1
5M	16QAM	1	0	21.35	21.57	21.54	1
		1	12	21.35	21.53	21.39	1
		1	24	21.31	21.45	21.39	1
		12	0	20.34	20.44	20.37	2
		12	6	20.34	20.59	20.39	2
		12	13	20.31	20.39	20.38	2
		25	0	20.40	20.38	20.51	2

LTE Conducted Power (Head when DSI=1)							
LTE Band 66							
BW	MCS Index	Channel		131987	132322	132657	3GPP MPR
		Frequency (MHz)		1711.5	1745	1778.5	
3M	QPSK	1	0	22.51	22.66	22.43	0
		1	7	22.45	22.38	22.34	0
		1	14	22.28	22.40	22.32	0
		8	0	21.45	21.68	21.45	1
		8	3	21.47	21.63	21.43	1
		8	7	21.48	21.53	21.44	1
		15	0	21.48	21.58	21.39	1
3M	16QAM	1	0	21.34	21.52	21.49	1
		1	7	21.48	21.43	21.41	1
		1	14	21.37	21.39	21.46	1
		8	0	20.45	20.41	20.45	2
		8	3	20.42	20.40	20.44	2
		8	7	20.32	20.44	20.36	2
		15	0	20.27	20.56	20.47	2
BW	MCS Index	Channel		131979	132322	132665	3GPP MPR
		Frequency (MHz)		1710.7	1745	1779.3	
1.4M	QPSK	1	0	22.34	22.56	22.26	0
		1	2	22.36	22.50	22.19	0
		1	5	22.34	22.45	22.34	0
		3	0	22.50	22.55	22.41	0
		3	1	22.36	22.51	22.42	0
		3	3	22.45	22.53	22.35	0
		6	0	21.37	21.40	21.36	1
1.4M	16QAM	1	0	21.47	21.58	21.46	1
		1	2	21.46	21.42	21.39	1
		1	5	21.31	21.50	21.38	1
		3	0	21.36	21.37	21.39	1
		3	1	21.41	21.58	21.43	1
		3	3	21.23	21.34	21.41	1
		6	0	20.38	20.56	20.47	2

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		18700	18900	19100	
		Frequency (MHz)		1860	1880	1900	
20M	QPSK	1	0	20.38	20.46	20.31	0
		1	50	20.34	20.42	20.27	0
		1	99	20.31	20.39	20.24	0
		50	0	20.29	20.37	20.22	0
		50	25	20.27	20.35	20.20	0
		50	50	20.23	20.31	20.16	0
		100	0	20.24	20.32	20.17	0
20M	16QAM	1	0	20.30	20.38	20.23	0
		1	50	20.29	20.37	20.22	0
		1	99	20.28	20.36	20.21	0
		50	0	20.23	20.31	20.16	0
		50	25	20.33	20.41	20.26	0
		50	50	20.28	20.36	20.21	0
		100	0	20.25	20.33	20.18	0
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR
		Frequency (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	20.32	20.43	20.23	0
		1	37	20.31	20.35	20.25	0
		1	74	20.28	20.37	20.18	0
		36	0	20.23	20.33	20.12	0
		36	19	20.20	20.30	20.20	0
		36	39	20.22	20.29	20.13	0
		75	0	20.14	20.23	20.12	0
15M	16QAM	1	0	20.30	20.34	20.16	0
		1	37	20.26	20.32	20.16	0
		1	74	20.23	20.34	20.16	0
		36	0	20.20	20.30	20.10	0
		36	19	20.26	20.33	20.17	0
		36	39	20.21	20.35	20.18	0
		75	0	20.15	20.29	20.11	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 2

BW	MCS Index	Channel		18650	18900	19150	3GPP MPR
		Frequency (MHz)		1855	1880	1905	
10M	QPSK	1	0	20.23	20.39	20.11	0
		1	24	20.22	20.37	20.11	0
		1	49	20.25	20.39	20.04	0
		25	0	20.20	20.19	20.17	0
		25	12	20.05	20.25	20.08	0
		25	25	20.08	20.25	20.01	0
		50	0	20.07	20.16	20.06	0
10M	16QAM	1	0	20.11	20.21	20.07	0
		1	24	20.14	20.28	20.13	0
		1	49	20.14	20.22	20.09	0
		25	0	20.07	20.24	19.94	0
		25	12	20.23	20.27	20.20	0
		25	25	20.13	20.21	20.16	0
		50	0	20.23	20.17	20.16	0
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequency (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	20.34	20.30	20.16	0
		1	12	20.24	20.27	20.07	0
		1	24	20.22	20.35	20.06	0
		12	0	20.24	20.25	20.11	0
		12	6	20.06	20.24	20.07	0
		12	13	19.99	20.19	20.03	0
		25	0	20.10	20.18	19.92	0
5M	16QAM	1	0	20.26	20.19	20.10	0
		1	12	20.08	20.21	20.13	0
		1	24	20.17	20.20	20.07	0
		12	0	20.02	20.09	20.06	0
		12	6	20.15	20.25	20.16	0
		12	13	20.20	20.16	20.11	0
		25	0	20.17	20.14	20.00	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 2							
BW	MCS Index	Channel		18615	18900	19185	3GPP MPR
		Frequency (MHz)		1851.5	1880	1908.5	
3M	QPSK	1	0	20.36	20.38	20.26	0
		1	7	20.32	20.40	20.24	0
		1	14	20.30	20.36	20.14	0
		8	0	20.27	20.29	20.13	0
		8	3	20.25	20.28	20.10	0
		8	7	20.21	20.30	20.11	0
		15	0	20.18	20.28	20.08	0
3M	16QAM	1	0	20.21	20.38	20.16	0
		1	7	20.21	20.31	20.14	0
		1	14	20.23	20.28	20.20	0
		8	0	20.17	20.21	20.11	0
		8	3	20.26	20.33	20.25	0
		8	7	20.18	20.31	20.17	0
		15	0	20.25	20.27	20.18	0
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequency (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	20.26	20.42	20.10	0
		1	2	20.10	20.18	20.18	0
		1	5	20.25	20.30	20.16	0
		3	0	20.09	20.17	20.03	0
		3	1	20.06	20.23	20.01	0
		3	3	20.05	20.22	20.05	0
		6	0	20.08	20.20	20.02	0
1.4M	16QAM	1	0	20.17	20.14	20.11	0
		1	2	20.13	20.14	20.19	0
		1	5	20.19	20.17	20.15	0
		3	0	20.08	20.15	19.91	0
		3	1	20.19	20.25	20.08	0
		3	3	20.20	20.21	20.09	0
		6	0	20.08	20.13	19.97	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20050	20175	20300	
		Frequency (MHz)		1720	1732.5	1745	
20M	QPSK	1	0	18.35	18.44	18.39	0
		1	50	18.33	18.42	18.37	0
		1	99	18.28	18.37	18.32	0
		50	0	18.30	18.39	18.34	0
		50	25	18.26	18.35	18.30	0
		50	50	18.28	18.37	18.32	0
		100	0	18.25	18.34	18.29	0
20M	16QAM	1	0	18.23	18.32	18.27	0
		1	50	18.20	18.29	18.24	0
		1	99	18.22	18.31	18.26	0
		50	0	18.19	18.28	18.23	0
		50	25	18.23	18.32	18.27	0
		50	50	18.22	18.31	18.26	0
		100	0	18.20	18.29	18.24	0
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequency (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	18.28	18.37	18.31	0
		1	37	18.27	18.34	18.35	0
		1	74	18.20	18.29	18.26	0
		36	0	18.27	18.32	18.28	0
		36	19	18.20	18.34	18.27	0
		36	39	18.23	18.28	18.32	0
		75	0	18.17	18.32	18.26	0
15M	16QAM	1	0	18.23	18.31	18.23	0
		1	37	18.17	18.22	18.18	0
		1	74	18.12	18.25	18.16	0
		36	0	18.14	18.25	18.22	0
		36	19	18.20	18.25	18.25	0
		36	39	18.19	18.24	18.25	0
		75	0	18.11	18.24	18.20	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 4

BW	MCS Index	Channel		20000	20175	20350	3GPP MPR
		Frequency (MHz)		1715	1732.5	1750	
10M	QPSK	1	0	18.17	18.31	18.19	0
		1	24	18.21	18.41	18.21	0
		1	49	18.21	18.17	18.16	0
		25	0	18.22	18.24	18.24	0
		25	12	18.14	18.22	18.22	0
		25	25	18.22	18.26	18.32	0
		50	0	18.18	18.22	18.13	0
10M	16QAM	1	0	18.12	18.20	18.24	0
		1	24	17.97	18.19	18.14	0
		1	49	18.07	18.22	18.21	0
		25	0	18.10	18.20	18.10	0
		25	12	18.07	18.28	18.10	0
		25	25	18.20	18.21	18.13	0
		50	0	18.14	18.13	18.22	0
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequency (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	18.33	18.40	18.37	0
		1	12	18.23	18.41	18.32	0
		1	24	18.20	18.27	18.29	0
		12	0	18.20	18.35	18.24	0
		12	6	18.17	18.26	18.20	0
		12	13	18.24	18.27	18.32	0
		25	0	18.15	18.24	18.21	0
5M	16QAM	1	0	18.23	18.23	18.24	0
		1	12	18.17	18.22	18.21	0
		1	24	18.16	18.29	18.22	0
		12	0	18.14	18.26	18.21	0
		12	6	18.19	18.28	18.17	0
		12	13	18.15	18.21	18.21	0
		25	0	18.17	18.22	18.17	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 4							
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR
		Frequency (MHz)		1711.5	1732.5	1753.5	
3M	QPSK	1	0	18.26	18.37	18.39	0
		1	7	18.26	18.32	18.30	0
		1	14	18.21	18.31	18.26	0
		8	0	18.20	18.30	18.29	0
		8	3	18.20	18.32	18.26	0
		8	7	18.25	18.34	18.29	0
		15	0	18.20	18.28	18.21	0
3M	16QAM	1	0	18.16	18.31	18.19	0
		1	7	18.17	18.28	18.23	0
		1	14	18.18	18.30	18.23	0
		8	0	18.19	18.22	18.19	0
		8	3	18.13	18.27	18.20	0
		8	7	18.15	18.28	18.19	0
		15	0	18.19	18.20	18.14	0
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequency (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	18.32	18.39	18.35	0
		1	2	18.33	18.41	18.30	0
		1	5	18.25	18.35	18.23	0
		3	0	18.30	18.38	18.31	0
		3	1	18.25	18.34	18.23	0
		3	3	18.23	18.32	18.29	0
		6	0	18.17	18.24	18.28	0
1.4M	16QAM	1	0	18.20	18.30	18.20	0
		1	2	18.20	18.22	18.14	0
		1	5	18.17	18.27	18.20	0
		3	0	18.11	18.23	18.16	0
		3	1	18.20	18.32	18.21	0
		3	3	18.18	18.21	18.21	0
		6	0	18.10	18.26	18.20	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 5

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20450	20525	20600	
		Frequency (MHz)		829	836.5	844	
10M	QPSK	1	0	22.36	22.47	22.42	0
		1	24	22.34	22.45	22.40	0
		1	49	22.33	22.44	22.39	0
		25	0	21.30	21.41	21.36	1
		25	12	21.28	21.39	21.34	1
		25	25	21.26	21.37	21.32	1
		50	0	21.24	21.35	21.30	1
10M	16QAM	1	0	21.22	21.33	21.28	1
		1	24	21.20	21.31	21.26	1
		1	49	21.18	21.29	21.24	1
		25	0	20.33	20.44	20.39	2
		25	12	20.30	20.41	20.36	2
		25	25	20.26	20.37	20.32	2
		50	0	20.28	20.39	20.34	2
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR
		Frequency (MHz)		826.5	836.5	846.5	
5M	QPSK	1	0	22.34	22.45	22.34	0
		1	12	22.28	22.37	22.30	0
		1	24	22.31	22.37	22.38	0
		12	0	21.24	21.37	21.26	1
		12	6	21.28	21.35	21.26	1
		12	13	21.24	21.36	21.32	1
		25	0	21.14	21.27	21.27	1
5M	16QAM	1	0	21.14	21.26	21.28	1
		1	12	21.14	21.25	21.24	1
		1	24	21.10	21.21	21.20	1
		12	0	20.28	20.43	20.32	2
		12	6	20.30	20.39	20.32	2
		12	13	20.22	20.27	20.27	2
		25	0	20.27	20.33	20.29	2

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 5							
BW	MCS Index	Channel		20415	20525	20635	3GPP MPR
		Frequency (MHz)		825.5	836.5	847.5	
3M	QPSK	1	0	22.22	22.23	22.34	0
		1	7	22.23	22.37	22.28	0
		1	14	22.30	22.27	22.20	0
		8	0	21.14	21.27	21.19	1
		8	3	21.20	21.18	21.32	1
		8	7	21.19	21.22	21.23	1
		15	0	21.07	21.18	21.07	1
3M	16QAM	1	0	21.05	21.15	21.18	1
		1	7	21.10	21.24	21.11	1
		1	14	21.08	21.22	21.14	1
		8	0	20.19	20.23	20.33	2
		8	3	20.18	20.29	20.14	2
		8	7	20.09	20.32	20.26	2
		15	0	20.11	20.36	20.16	2
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR
		Frequency (MHz)		824.7	836.5	848.3	
1.4M	QPSK	1	0	22.27	22.37	22.34	0
		1	2	22.29	22.35	22.31	0
		1	5	22.28	22.32	22.29	0
		3	0	22.23	22.36	22.32	0
		3	1	22.22	22.33	22.27	0
		3	3	22.16	22.31	22.23	0
		6	0	21.22	21.26	21.23	1
1.4M	16QAM	1	0	21.19	21.25	21.22	1
		1	2	21.16	21.22	21.17	1
		1	5	21.14	21.24	21.20	1
		3	0	21.32	21.40	21.39	1
		3	1	21.24	21.39	21.32	1
		3	3	21.25	21.37	21.27	1
		6	0	20.27	20.38	20.34	2

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 12

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		23060	23095	23130	
		Frequency (MHz)		704	707.5	711	
10M	QPSK	1	0	21.49	21.54	21.47	0
		1	24	21.46	21.51	21.44	0
		1	49	21.42	21.47	21.40	0
		25	0	20.52	20.57	20.50	1
		25	12	20.50	20.55	20.48	1
		25	25	20.46	20.51	20.44	1
		50	0	20.48	20.53	20.46	1
10M	16QAM	1	0	20.49	20.54	20.47	1
		1	24	20.47	20.52	20.45	1
		1	49	20.42	20.47	20.40	1
		25	0	19.51	19.56	19.49	2
		25	12	19.47	19.52	19.45	2
		25	25	19.39	19.44	19.37	2
		50	0	19.41	19.46	19.39	2
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR
		Frequency (MHz)		701.5	707.5	713.5	
5M	QPSK	1	0	21.43	21.49	21.42	0
		1	12	21.37	21.41	21.39	0
		1	24	21.38	21.42	21.39	0
		12	0	20.46	20.49	20.50	1
		12	6	20.41	20.45	20.40	1
		12	13	20.36	20.43	20.38	1
		25	0	20.38	20.52	20.41	1
5M	16QAM	1	0	20.49	20.45	20.46	1
		1	12	20.42	20.47	20.45	1
		1	24	20.35	20.41	20.35	1
		12	0	19.49	19.54	19.44	2
		12	6	19.44	19.47	19.38	2
		12	13	19.39	19.41	19.34	2
		25	0	19.36	19.43	19.36	2

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 12							
BW	MCS Index	Channel		23025	23095	23165	3GPP MPR
		Frequency (MHz)		700.5	707.5	714.5	
3M	QPSK	1	0	21.47	21.49	21.40	0
		1	7	21.42	21.41	21.43	0
		1	14	21.36	21.38	21.34	0
		8	0	20.51	20.56	20.46	1
		8	3	20.40	20.55	20.38	1
		8	7	20.42	20.47	20.35	1
		15	0	20.47	20.50	20.42	1
3M	16QAM	1	0	20.49	20.54	20.47	1
		1	7	20.42	20.45	20.36	1
		1	14	20.38	20.41	20.39	1
		8	0	19.50	19.47	19.48	2
		8	3	19.44	19.46	19.45	2
		8	7	19.31	19.36	19.35	2
		15	0	19.36	19.45	19.36	2
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR
		Frequency (MHz)		699.7	707.5	715.3	
1.4M	QPSK	1	0	21.37	21.42	21.34	0
		1	2	21.34	21.33	21.41	0
		1	5	21.26	21.37	21.26	0
		3	0	21.41	21.40	21.32	0
		3	1	21.41	21.40	21.21	0
		3	3	21.35	21.36	21.19	0
		6	0	20.43	20.35	20.21	1
1.4M	16QAM	1	0	20.38	20.40	20.36	1
		1	2	20.44	20.42	20.35	1
		1	5	20.33	20.33	20.28	1
		3	0	20.42	20.45	20.41	1
		3	1	20.34	20.52	20.29	1
		3	3	20.23	20.30	20.37	1
		6	0	19.24	19.26	19.29	2

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 13

BW	MCS Index	RB Size	RB Offset		Mid		3GPP MPR (dB)
		Channel			23230		
		Frequency (MHz)			782		
10M	QPSK	1	0		22.68		0
		1	24		22.64		0
		1	49		22.62		0
		25	0		21.65		1
		25	12		21.63		1
		25	25		21.57		1
		50	0		21.61		1
10M	16QAM	1	0		21.63		1
		1	24		21.61		1
		1	49		21.57		1
		25	0		20.66		2
		25	12		20.64		2
		25	25		20.56		2
		50	0		20.62		2
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR
		Frequency (MHz)		779.5	782	784.5	
5M	QPSK	1	0	22.54	22.61	22.57	0
		1	12	22.50	22.57	22.53	0
		1	24	22.47	22.54	22.50	0
		12	0	21.56	21.63	21.59	1
		12	6	21.52	21.59	21.55	1
		12	13	21.47	21.54	21.50	1
		25	0	21.49	21.56	21.52	1
5M	16QAM	1	0	21.54	21.61	21.57	1
		1	12	21.50	21.57	21.53	1
		1	24	21.47	21.54	21.50	1
		12	0	20.52	20.59	20.55	2
		12	6	20.49	20.56	20.52	2
		12	13	20.44	20.51	20.47	2
		25	0	20.46	20.53	20.49	2

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 66

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		132072	132322	132572	
		Frequency (MHz)		1720	1745	1770	
20M	QPSK	1	0	18.41	18.45	18.37	0
		1	50	18.38	18.42	18.34	0
		1	99	18.35	18.39	18.31	0
		50	0	18.33	18.37	18.29	0
		50	25	18.31	18.35	18.27	0
		50	50	18.28	18.32	18.24	0
		100	0	18.30	18.34	18.26	0
20M	16QAM	1	0	18.32	18.36	18.28	0
		1	50	18.30	18.34	18.26	0
		1	99	18.28	18.32	18.24	0
		50	0	18.25	18.29	18.21	0
		50	25	18.23	18.27	18.19	0
		50	50	18.21	18.25	18.17	0
		100	0	18.22	18.26	18.18	0
BW	MCS Index	Channel		132047	132322	132597	3GPP MPR
		Frequency (MHz)		1717.5	1745	1772.5	
15M	QPSK	1	0	18.32	18.39	18.29	0
		1	37	18.37	18.41	18.29	0
		1	74	18.35	18.33	18.31	0
		36	0	18.24	18.35	18.28	0
		36	19	18.21	18.35	18.22	0
		36	39	18.19	18.30	18.14	0
		75	0	18.20	18.26	18.16	0
15M	16QAM	1	0	18.27	18.27	18.23	0
		1	37	18.27	18.33	18.20	0
		1	74	18.18	18.32	18.20	0
		36	0	18.15	18.24	18.14	0
		36	19	18.14	18.18	18.19	0
		36	39	18.13	18.24	18.16	0
		75	0	18.19	18.26	18.15	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 66

BW	MCS Index	Channel		132022	132322	132622	3GPP MPR
		Frequency (MHz)		1715	1745	1775	
10M	QPSK	1	0	18.41	18.41	18.33	0
		1	24	18.29	18.32	18.29	0
		1	49	18.29	18.37	18.27	0
		25	0	18.30	18.28	18.29	0
		25	12	18.21	18.33	18.21	0
		25	25	18.27	18.27	18.19	0
		50	0	18.27	18.33	18.16	0
10M	16QAM	1	0	18.27	18.31	18.22	0
		1	24	18.30	18.33	18.21	0
		1	49	18.28	18.24	18.18	0
		25	0	18.24	18.23	18.16	0
		25	12	18.19	18.27	18.19	0
		25	25	18.17	18.19	18.13	0
		50	0	18.13	18.25	18.15	0
BW	MCS Index	Channel		131997	132322	132647	3GPP MPR
		Frequency (MHz)		1712.5	1745	1777.5	
5M	QPSK	1	0	18.25	18.29	18.21	0
		1	12	18.20	18.27	18.18	0
		1	24	18.24	18.27	18.18	0
		12	0	18.16	18.24	18.23	0
		12	6	18.20	18.24	18.19	0
		12	13	18.25	18.21	18.18	0
		25	0	18.11	18.17	18.10	0
5M	16QAM	1	0	18.25	18.29	18.04	0
		1	12	18.22	18.32	18.13	0
		1	24	18.16	18.25	18.14	0
		12	0	18.14	18.13	18.07	0
		12	6	18.11	18.09	18.14	0
		12	13	18.14	18.08	18.07	0
		25	0	18.04	18.22	18.07	0

LTE Conducted Power
(Body-worn, Hotspot and Extremity when DSI=2)

LTE Band 66

BW	MCS Index	Channel		131987	132322	132657	3GPP MPR
		Frequency (MHz)		1711.5	1745	1778.5	
3M	QPSK	1	0	18.34	18.40	18.31	0
		1	7	18.33	18.32	18.24	0
		1	14	18.28	18.29	18.30	0
		8	0	18.26	18.35	18.19	0
		8	3	18.22	18.31	18.18	0
		8	7	18.21	18.32	18.18	0
		15	0	18.26	18.30	18.23	0
3M	16QAM	1	0	18.24	18.27	18.26	0
		1	7	18.28	18.27	18.16	0
		1	14	18.20	18.32	18.18	0
		8	0	18.21	18.22	18.12	0
		8	3	18.17	18.18	18.19	0
		8	7	18.13	18.24	18.07	0
		15	0	18.16	18.24	18.08	0
BW	MCS Index	Channel		131979	132322	132665	3GPP MPR
		Frequency (MHz)		1710.7	1745	1779.3	
1.4M	QPSK	1	0	18.28	18.38	18.27	0
		1	2	18.27	18.27	18.13	0
		1	5	18.33	18.24	18.14	0
		3	0	18.15	18.32	18.28	0
		3	1	18.29	18.25	18.17	0
		3	3	18.20	18.07	18.12	0
		6	0	18.13	18.27	18.11	0
1.4M	16QAM	1	0	18.20	18.24	18.20	0
		1	2	18.18	18.11	18.15	0
		1	5	18.18	18.22	18.06	0
		3	0	18.11	18.23	18.06	0
		3	1	18.12	18.18	18.18	0
		3	3	18.03	18.13	18.10	0
		6	0	18.05	18.17	18.11	0

WLAN/BT Conducted Power (Head when DSI=1)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.32
	6	2437	15.31
	11	2462	15.27

WLAN/BT Conducted Power (Head when DSI=1)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	8.08
	39	2441	8.13
	78	2480	9.58
LE	0	2402	-3.13
	19	2440	-2.38
	39	2480	-3.56

WLAN/BT Conducted Power (Head when DSI=1)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ac VHT80	58	5290	11.88

WLAN/BT Conducted Power (Head when DSI=1)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	14.43
	116	5580	14.46
	120	5600	14.32
	124	5620	14.33
	132	5660	14.42
	140	5700	14.47

WLAN/BT Conducted Power (Head when DSI=1)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	14.38
	153	5765	14.35
	157	5785	14.48
	161	5805	14.39
	165	5825	14.41

WLAN/BT Conducted Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.34
	6	2437	15.32
	11	2462	15.21

WLAN/BT Conducted Power (Body-worn, Hotspot and Extremity when DSI=2)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	8.09
	39	2441	8.11
	78	2480	9.62
LE	0	2402	-3.08
	19	2440	-2.36
	39	2480	-3.71

WLAN/BT Conducted Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	15.75
	40	5200	15.74
	44	5220	15.68
	48	5240	15.77

WLAN/BT Conducted Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	15.77
	56	5280	15.77
	60	5300	15.74
	64	5320	15.78

WLAN/BT Conducted Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	15.43
	116	5580	15.55
	120	5600	15.53
	124	5620	15.52
	132	5660	15.47
	140	5700	15.56

WLAN/BT Conducted Power (Body-worn, Hotspot and Extremity when DSI=2)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	15.38
	153	5765	15.38
	157	5785	15.4
	161	5805	15.31
	165	5825	15.35

Appendix F. SAR Test Result

SAR Results for Head / Body-worn / Hotspot / Product Specific Exposure Condition.

Note:

1. SAR testing for WLAN / BT was performed on the maximum power mode.
2. SAR testing for LTE was performed on the maximum power mode.
3. The "< 0.001" means there is no SAR value or the SAR is too low to be measured.
4. Since LTE of this device supports VOIP capability through 3rd party apps software, we have evaluated data mode for head SAR.

Head SAR Test Result																
System & Position								DUT Configuration		SAR						
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Level of DSI	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Right Cheek	-	18900	1	0	DSI = 1	-	1.00	24.00	22.40	1.45	-0.18	0.326	0.47
	LTE 2	QPSK20M	Right Tilted	-	18900	1	0	DSI = 1	-	1.00	24.00	22.40	1.45	-0.1	0.21	0.30
	LTE 2	QPSK20M	Left Cheek	-	18900	1	0	DSI = 1	-	1.00	24.00	22.40	1.45	0.14	0.247	0.36
	LTE 2	QPSK20M	Left Tilted	-	18900	1	0	DSI = 1	-	1.00	24.00	22.40	1.45	0.08	0.237	0.34
	LTE 2	QPSK20M	Right Cheek	-	18900	50	0	DSI = 1	-	1.00	23.00	21.42	1.44	-0.05	0.264	0.38
	LTE 2	QPSK20M	Right Tilted	-	18900	50	0	DSI = 1	-	1.00	23.00	21.42	1.44	0.06	0.19	0.27
	LTE 2	QPSK20M	Left Cheek	-	18900	50	0	DSI = 1	-	1.00	23.00	21.42	1.44	0.08	0.214	0.31
	LTE 2	QPSK20M	Left Tilted	-	18900	50	0	DSI = 1	-	1.00	23.00	21.42	1.44	0.03	0.204	0.29
	LTE 2	QPSK20M	Right Cheek	-	18700	1	0	DSI = 1	-	1.00	24.00	22.34	1.47	-0.06	0.321	0.47
1	LTE 2	QPSK20M	Right Cheek	-	19100	1	0	DSI = 1	-	1.00	24.00	22.29	1.48	-0.02	0.352	0.52
	LTE 5	QPSK10M	Right Cheek	-	20525	1	0	DSI = 1	-	1.00	24.00	22.82	1.31	0.14	0.15	0.20
	LTE 5	QPSK10M	Right Tilted	-	20525	1	0	DSI = 1	-	1.00	24.00	22.82	1.31	0.13	0.086	0.11
	LTE 5	QPSK10M	Left Cheek	-	20525	1	0	DSI = 1	-	1.00	24.00	22.82	1.31	-0.17	0.175	0.23
	LTE 5	QPSK10M	Left Tilted	-	20525	1	0	DSI = 1	-	1.00	24.00	22.82	1.31	0.1	0.092	0.12
	LTE 5	QPSK10M	Right Cheek	-	20525	25	0	DSI = 1	-	1.00	23.00	21.79	1.32	0.03	0.12	0.16
	LTE 5	QPSK10M	Right Tilted	-	20525	25	0	DSI = 1	-	1.00	23.00	21.79	1.32	0.14	0.069	0.09
	LTE 5	QPSK10M	Left Cheek	-	20525	25	0	DSI = 1	-	1.00	23.00	21.79	1.32	-0.19	0.138	0.18
	LTE 5	QPSK10M	Left Tilted	-	20525	25	0	DSI = 1	-	1.00	23.00	21.79	1.32	0.12	0.076	0.10
2	LTE 5	QPSK10M	Left Cheek	-	20450	1	0	DSI = 1	-	1.00	24.00	22.68	1.36	0.03	0.189	0.26
	LTE 5	QPSK10M	Left Cheek	-	20600	1	0	DSI = 1	-	1.00	24.00	22.74	1.34	0.05	0.166	0.22
	LTE 12	QPSK10M	Right Cheek	-	23095	1	0	DSI = 1	-	1.00	23.00	21.55	1.40	0.04	0.083	0.12
	LTE 12	QPSK10M	Right Tilted	-	23095	1	0	DSI = 1	-	1.00	23.00	21.55	1.40	0.04	0.045	0.06
	LTE 12	QPSK10M	Left Cheek	-	23095	1	0	DSI = 1	-	1.00	23.00	21.55	1.40	-0.01	0.09	0.13
	LTE 12	QPSK10M	Left Tilted	-	23095	1	0	DSI = 1	-	1.00	23.00	21.55	1.40	-0.12	0.052	0.07
	LTE 12	QPSK10M	Right Cheek	-	23095	25	0	DSI = 1	-	1.00	22.00	20.58	1.39	-0.16	0.071	0.10
	LTE 12	QPSK10M	Right Tilted	-	23095	25	0	DSI = 1	-	1.00	22.00	20.58	1.39	0.02	0.039	0.05
	LTE 12	QPSK10M	Left Cheek	-	23095	25	0	DSI = 1	-	1.00	22.00	20.58	1.39	-0.14	0.081	0.11
	LTE 12	QPSK10M	Left Tilted	-	23095	25	0	DSI = 1	-	1.00	22.00	20.58	1.39	0.17	0.048	0.07
	LTE 12	QPSK10M	Left Cheek	-	23060	1	0	DSI = 1	-	1.00	23.00	21.49	1.42	0.12	0.085	0.12
3	LTE 12	QPSK10M	Left Cheek	-	23130	1	0	DSI = 1	-	1.00	23.00	21.39	1.45	-0.07	0.093	0.13

Head SAR Test Result																
System & Position								DUT Configuration		SAR						
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Level of DSI	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 13	QPSK10M	Right Cheek	-	23230	1	0	DSI = 1	-	1.00	23.00	22.54	1.11	0.07	0.136	0.15
	LTE 13	QPSK10M	Right Tilted	-	23230	1	0	DSI = 1	-	1.00	23.00	22.54	1.11	-0.06	0.078	0.09
4	LTE 13	QPSK10M	Left Cheek	-	23230	1	0	DSI = 1	-	1.00	23.00	22.54	1.11	-0.18	0.156	0.17
	LTE 13	QPSK10M	Left Tilted	-	23230	1	0	DSI = 1	-	1.00	23.00	22.54	1.11	0.17	0.094	0.10
	LTE 13	QPSK10M	Right Cheek	-	23230	25	0	DSI = 1	-	1.00	22.00	21.56	1.11	0.03	0.105	0.12
	LTE 13	QPSK10M	Right Tilted	-	23230	25	0	DSI = 1	-	1.00	22.00	21.56	1.11	0.09	0.06	0.07
	LTE 13	QPSK10M	Left Cheek	-	23230	25	0	DSI = 1	-	1.00	22.00	21.56	1.11	-0.15	0.113	0.13
	LTE 13	QPSK10M	Left Tilted	-	23230	25	0	DSI = 1	-	1.00	22.00	21.56	1.11	-0.16	0.07	0.08
	LTE 66 / 4	QPSK20M	Right Cheek	-	132322	1	0	DSI = 1	-	1.00	24.00	22.68	1.36	0.11	0.106	0.14
	LTE 66 / 4	QPSK20M	Right Tilted	-	132322	1	0	DSI = 1	-	1.00	24.00	22.68	1.36	0.06	0.057	0.08
	LTE 66 / 4	QPSK20M	Left Cheek	-	132322	1	0	DSI = 1	-	1.00	24.00	22.68	1.36	0.08	0.077	0.10
	LTE 66 / 4	QPSK20M	Left Tilted	-	132322	1	0	DSI = 1	-	1.00	24.00	22.68	1.36	-0.1	0.063	0.09
	LTE 66 / 4	QPSK20M	Right Cheek	-	132322	50	0	DSI = 1	-	1.00	23.00	21.71	1.35	-0.18	0.089	0.12
	LTE 66 / 4	QPSK20M	Right Tilted	-	132322	50	0	DSI = 1	-	1.00	23.00	21.71	1.35	-0.13	0.047	0.06
	LTE 66 / 4	QPSK20M	Left Cheek	-	132322	50	0	DSI = 1	-	1.00	23.00	21.71	1.35	0.18	0.061	0.08
	LTE 66 / 4	QPSK20M	Left Tilted	-	132322	50	0	DSI = 1	-	1.00	23.00	21.71	1.35	0.08	0.05	0.07
	LTE 66 / 4	QPSK20M	Right Cheek	-	132072	1	0	DSI = 1	-	1.00	24.00	22.57	1.39	-0.18	0.093	0.13
5	LTE 66 / 4	QPSK20M	Right Cheek	-	132572	1	0	DSI = 1	-	1.00	24.00	22.62	1.37	-0.1	0.125	0.17
	WLAN2.4G	802.11b	Right Cheek	-	1			DSI = 1	100.00	1.00	15.50	15.32	1.04	-0.04	0.334	0.35
	WLAN2.4G	802.11b	Right Tilted	-	1			DSI = 1	100.00	1.00	15.50	15.32	1.04	0.14	0.344	0.36
	WLAN2.4G	802.11b	Left Cheek	-	1			DSI = 1	100.00	1.00	15.50	15.32	1.04	0.13	0.63	0.66
	WLAN2.4G	802.11b	Left Tilted	-	1			DSI = 1	100.00	1.00	15.50	15.32	1.04	-0.03	0.433	0.45
	WLAN2.4G	802.11b	Left Cheek	-	6			DSI = 1	100.00	1.00	15.50	15.31	1.04	0.17	0.549	0.57
6	WLAN2.4G	802.11b	Left Cheek	-	11			DSI = 1	100.00	1.00	15.50	15.27	1.05	-0.11	0.649	0.68
	WLAN5.3G	802.11ac VHT80	Right Cheek	-	58			DSI = 1	100.00	1.00	12.00	11.88	1.03	-0.01	0.311	0.32
	WLAN5.3G	802.11ac VHT80	Right Tilted	-	58			DSI = 1	100.00	1.00	12.00	11.88	1.03	-0.01	0.326	0.34
7	WLAN5.3G	802.11ac VHT80	Left Cheek	-	58			DSI = 1	100.00	1.00	12.00	11.88	1.03	-0.02	0.786	0.81
	WLAN5.3G	802.11ac VHT80	Left Tilted	-	58			DSI = 1	100.00	1.00	12.00	11.88	1.03	-0.05	0.673	0.69

Head SAR Test Result																	
System & Position								DUT Configuration	SAR								
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Level of DSI	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)	
	WLAN5.6G	802.11a	Right Cheek	-	140			DSI = 1	100.00	1.00	14.50	14.47	1.01	0.05	0.44	0.44	
	WLAN5.6G	802.11a	Right Tilted	-	140			DSI = 1	100.00	1.00	14.50	14.47	1.01	0.03	0.461	0.47	
8	WLAN5.6G	802.11a	Left Cheek	-	140			DSI = 1	100.00	1.00	14.50	14.47	1.01	-0.15	0.697	0.70	
	WLAN5.6G	802.11a	Left Tilted	-	140			DSI = 1	100.00	1.00	14.50	14.47	1.01	0.02	0.607	0.61	
	WLAN5.6G	802.11a	Left Cheek	-	100			DSI = 1	100.00	1.00	14.50	14.43	1.02	-0.12	0.594	0.61	
	WLAN5.6G	802.11a	Left Cheek	-	116			DSI = 1	100.00	1.00	14.50	14.46	1.01	-0.03	0.628	0.63	
	WLAN5.6G	802.11a	Left Cheek	-	120			DSI = 1	100.00	1.00	14.50	14.32	1.04	0.12	0.613	0.64	
	WLAN5.6G	802.11a	Left Cheek	-	124			DSI = 1	100.00	1.00	14.50	14.33	1.04	0.01	0.609	0.63	
	WLAN5.6G	802.11a	Left Cheek	-	132			DSI = 1	100.00	1.00	14.50	14.42	1.02	0.04	0.671	0.68	
	WLAN5.8G	802.11a	Right Cheek	-	157			DSI = 1	100.00	1.00	14.50	14.48	1.00	-0.05	0.517	0.52	
	WLAN5.8G	802.11a	Right Tilted	-	157			DSI = 1	100.00	1.00	14.50	14.48	1.00	0.05	0.569	0.57	
9	WLAN5.8G	802.11a	Left Cheek	-	157			DSI = 1	100.00	1.00	14.50	14.48	1.00	-0.01	0.788	0.79	
	WLAN5.8G	802.11a	Left Tilted	-	157			DSI = 1	100.00	1.00	14.50	14.48	1.00	0.07	0.622	0.62	
	WLAN5.8G	802.11a	Left Cheek	-	149			DSI = 1	100.00	1.00	14.50	14.38	1.03	0.06	0.712	0.73	
	WLAN5.8G	802.11a	Left Cheek	-	153			DSI = 1	100.00	1.00	14.50	14.35	1.04	-0.02	0.7	0.73	
	WLAN5.8G	802.11a	Left Cheek	-	161			DSI = 1	100.00	1.00	14.50	14.39	1.03	0.14	0.723	0.74	
	WLAN5.8G	802.11a	Left Cheek	-	165			DSI = 1	100.00	1.00	14.50	14.41	1.02	-0.08	0.691	0.70	
	BT	BR / EDR	Right Cheek	-	78			DSI = 1	77.13	1.30	10.00	9.58	1.10	0.16	0.052	0.07	
	BT	BR / EDR	Right Tilted	-	78			DSI = 1	77.13	1.30	10.00	9.58	1.10	-0.12	0.05	0.07	
	BT	BR / EDR	Left Cheek	-	78			DSI = 1	77.13	1.30	10.00	9.58	1.10	0.07	0.097	0.14	
	BT	BR / EDR	Left Tilted	-	78			DSI = 1	77.13	1.30	10.00	9.58	1.10	0.1	0.063	0.09	
	BT	BR / EDR	Left Cheek	-	0			DSI = 1	77.13	1.30	10.00	8.08	1.56	-0.15	0.075	0.15	
10	BT	BR / EDR	Left Cheek	-	39			DSI = 1	77.13	1.30	10.00	8.13	1.54	0.03	0.112	0.22	

Body-worn SAR Test Result																
System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Front Face	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	0.16	0.293	0.30
	LTE 2	QPSK20M	Rear Face	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	-0.09	0.271	0.27
	LTE 2	QPSK20M	Front Face	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	-0.18	0.289	0.30
	LTE 2	QPSK20M	Rear Face	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	-0.16	0.255	0.26
	LTE 2	QPSK20M	Front Face	10	18700	1	0	DSI = 2	-	1.00	20.50	20.38	1.03	-0.01	0.286	0.29
11	LTE 2	QPSK20M	Front Face	10	19100	1	0	DSI = 2	-	1.00	20.50	20.31	1.04	-0.16	0.298	0.31
	LTE 5	QPSK10M	Front Face	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	-0.17	0.176	0.25
12	LTE 5	QPSK10M	Rear Face	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	-0.01	0.185	0.26
	LTE 5	QPSK10M	Front Face	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	-0.16	0.141	0.20
	LTE 5	QPSK10M	Rear Face	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	-0.08	0.14	0.20
	LTE 5	QPSK10M	Rear Face	10	20450	1	0	DSI = 2	-	1.00	24.00	22.36	1.46	-0.09	0.168	0.25
	LTE 5	QPSK10M	Rear Face	10	20600	1	0	DSI = 2	-	1.00	24.00	22.42	1.44	-0.15	0.166	0.24
	LTE 12	QPSK10M	Front Face	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	0.17	0.132	0.18
	LTE 12	QPSK10M	Rear Face	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	0.09	0.173	0.24
	LTE 12	QPSK10M	Front Face	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	0.03	0.107	0.15
	LTE 12	QPSK10M	Rear Face	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	-0.16	0.15	0.21
	LTE 12	QPSK10M	Rear Face	10	23060	1	0	DSI = 2	-	1.00	23.00	21.49	1.42	0.12	0.169	0.24
13	LTE 12	QPSK10M	Rear Face	10	23130	1	0	DSI = 2	-	1.00	23.00	21.47	1.42	-0.01	0.174	0.25
	LTE 13	QPSK10M	Front Face	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	0.04	0.175	0.19
14	LTE 13	QPSK10M	Rear Face	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	0.01	0.232	0.25
	LTE 13	QPSK10M	Front Face	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.03	0.135	0.15
	LTE 13	QPSK10M	Rear Face	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.01	0.184	0.20
	LTE 66 / 4	QPSK20M	Front Face	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	-0.06	0.451	0.46
	LTE 66 / 4	QPSK20M	Rear Face	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	-0.02	0.423	0.43
	LTE 66 / 4	QPSK20M	Front Face	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	0.1	0.433	0.45
	LTE 66 / 4	QPSK20M	Rear Face	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	0.11	0.405	0.42
15	LTE 66 / 4	QPSK20M	Front Face	10	132072	1	0	DSI = 2	-	1.00	18.50	18.41	1.02	-0.18	0.495	0.50
	LTE 66 / 4	QPSK20M	Front Face	10	132572	1	0	DSI = 2	-	1.00	18.50	18.37	1.03	0.1	0.403	0.42

Body-worn SAR Test Result																
System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Front Face	10	1			DSI = 2	100.00	1.00	15.50	15.34	1.04	0.15	0.155	0.16
	WLAN2.4G	802.11b	Rear Face	10	1			DSI = 2	100.00	1.00	15.50	15.34	1.04	-0.01	0.294	0.31
	WLAN2.4G	802.11b	Rear Face	10	6			DSI = 2	100.00	1.00	15.50	15.32	1.04	0.17	0.308	0.32
16	WLAN2.4G	802.11b	Rear Face	10	11			DSI = 2	100.00	1.00	15.50	15.21	1.07	0.07	0.34	0.36
	WLAN5.3G	802.11a	Front Face	10	64			DSI = 2	100.00	1.00	16.50	15.78	1.18	-0.05	0.539	0.64
	WLAN5.3G	802.11a	Rear Face	10	64			DSI = 2	100.00	1.00	16.50	15.78	1.18	0.03	0.901	1.06
17	WLAN5.3G	802.11a	Rear Face	10	52			DSI = 2	100.00	1.00	16.50	15.77	1.18	0.07	0.92	1.09
	WLAN5.3G	802.11a	Rear Face	10	56			DSI = 2	100.00	1.00	16.50	15.77	1.18	-0.16	0.807	0.95
	WLAN5.3G	802.11a	Rear Face	10	60			DSI = 2	100.00	1.00	16.50	15.74	1.19	-0.14	0.872	1.04
	WLAN5.3G	802.11a	Rear Face	10	52			DSI = 2	100.00	1.00	16.50	15.77	1.18	0.05	0.916	1.08
	WLAN5.6G	802.11a	Front Face	10	140			DSI = 2	100.00	1.00	16.50	15.56	1.24	0.04	0.207	0.26
18	WLAN5.6G	802.11a	Rear Face	10	140			DSI = 2	100.00	1.00	16.50	15.56	1.24	0.15	0.453	0.56
	WLAN5.6G	802.11a	Rear Face	10	100			DSI = 2	100.00	1.00	16.50	15.43	1.28	0.16	0.331	0.42
	WLAN5.6G	802.11a	Rear Face	10	116			DSI = 2	100.00	1.00	16.50	15.55	1.24	0.17	0.368	0.46
	WLAN5.6G	802.11a	Rear Face	10	120			DSI = 2	100.00	1.00	16.50	15.53	1.25	-0.04	0.34	0.43
	WLAN5.6G	802.11a	Rear Face	10	124			DSI = 2	100.00	1.00	16.50	15.52	1.25	0.02	0.346	0.43
	WLAN5.6G	802.11a	Rear Face	10	132			DSI = 2	100.00	1.00	16.50	15.47	1.27	0.1	0.39	0.50
	WLAN5.8G	802.11a	Front Face	10	157			DSI = 2	100.00	1.00	16.50	15.40	1.29	-0.05	0.351	0.45
	WLAN5.8G	802.11a	Rear Face	10	157			DSI = 2	100.00	1.00	16.50	15.40	1.29	-0.19	0.84	1.08
	WLAN5.8G	802.11a	Rear Face	10	149			DSI = 2	100.00	1.00	16.50	15.38	1.29	0.02	0.586	0.76
	WLAN5.8G	802.11a	Rear Face	10	153			DSI = 2	100.00	1.00	16.50	15.38	1.29	0.1	0.625	0.81
	WLAN5.8G	802.11a	Rear Face	10	161			DSI = 2	100.00	1.00	16.50	15.31	1.32	0.18	0.813	1.07
19	WLAN5.8G	802.11a	Rear Face	10	165			DSI = 2	100.00	1.00	16.50	15.35	1.30	0.05	0.841	1.09
	WLAN5.8G	802.11a	Rear Face	10	165			DSI = 2	100.00	1.00	16.50	15.35	1.30	-0.11	0.833	1.08
	BT	BR / EDR	Front Face	10	78			DSI = 2	77.13	1.30	10.00	9.62	1.09	-0.05	0.03	0.04
	BT	BR / EDR	Rear Face	10	78			DSI = 2	77.13	1.30	10.00	9.62	1.09	0.12	0.054	0.08
	BT	BR / EDR	Rear Face	10	0			DSI = 2	77.13	1.30	10.00	8.09	1.55	0.14	0.035	0.07
20	BT	BR / EDR	Rear Face	10	39			DSI = 2	77.13	1.30	10.00	8.11	1.55	0.02	0.059	0.12

Hotspot SAR Test Result																
System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Front Face	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	0.16	0.581	0.59
	LTE 2	QPSK20M	Rear Face	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	-0.09	0.537	0.54
	LTE 2	QPSK20M	Left Side	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	0.03	0.113	0.11
	LTE 2	QPSK20M	Right Side	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	-0.16	0.172	0.17
	LTE 2	QPSK20M	Bottom Side	10	18900	1	0	DSI = 2	-	1.00	20.50	20.46	1.01	-0.01	0.805	0.81
	LTE 2	QPSK20M	Front Face	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	-0.18	0.572	0.59
	LTE 2	QPSK20M	Rear Face	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	-0.16	0.506	0.52
	LTE 2	QPSK20M	Left Side	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	0.04	0.138	0.14
	LTE 2	QPSK20M	Right Side	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	-0.04	0.165	0.17
	LTE 2	QPSK20M	Bottom Side	10	18900	50	0	DSI = 2	-	1.00	20.50	20.37	1.03	0.03	0.774	0.80
21	LTE 2	QPSK20M	Bottom Side	10	18700	1	0	DSI = 2	-	1.00	20.50	20.38	1.03	-0.16	0.891	0.92
	LTE 2	QPSK20M	Bottom Side	10	19100	1	0	DSI = 2	-	1.00	20.50	20.31	1.04	-0.04	0.682	0.71
	LTE 2	QPSK20M	Bottom Side	10	18700	1	0	DSI = 2	-	1.00	20.50	20.38	1.03	0.08	0.864	0.89
	LTE 5	QPSK10M	Front Face	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	-0.17	0.176	0.25
12	LTE 5	QPSK10M	Rear Face	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	-0.01	0.185	0.26
	LTE 5	QPSK10M	Left Side	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	0.03	0.121	0.17
	LTE 5	QPSK10M	Right Side	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	-0.04	0.064	0.09
	LTE 5	QPSK10M	Bottom Side	10	20525	1	0	DSI = 2	-	1.00	24.00	22.47	1.42	0.06	0.082	0.12
	LTE 5	QPSK10M	Front Face	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	-0.16	0.141	0.20
	LTE 5	QPSK10M	Rear Face	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	-0.08	0.14	0.20
	LTE 5	QPSK10M	Left Side	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	-0.12	0.097	0.14
	LTE 5	QPSK10M	Right Side	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	-0.05	0.066	0.10
	LTE 5	QPSK10M	Bottom Side	10	20525	25	0	DSI = 2	-	1.00	23.00	21.41	1.44	0.1	0.059	0.08
	LTE 5	QPSK10M	Rear Face	10	20450	1	0	DSI = 2	-	1.00	24.00	22.36	1.46	-0.09	0.168	0.25
	LTE 5	QPSK10M	Rear Face	10	20600	1	0	DSI = 2	-	1.00	24.00	22.42	1.44	-0.15	0.166	0.24

Hotspot SAR Test Result																
System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 12	QPSK10M	Front Face	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	0.17	0.132	0.18
	LTE 12	QPSK10M	Rear Face	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	0.09	0.173	0.24
	LTE 12	QPSK10M	Left Side	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	0.04	0.074	0.10
	LTE 12	QPSK10M	Right Side	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	-0.17	0.064	0.09
	LTE 12	QPSK10M	Bottom Side	10	23095	1	0	DSI = 2	-	1.00	23.00	21.54	1.40	-0.08	<0.001	0.00
	LTE 12	QPSK10M	Front Face	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	0.03	0.107	0.15
	LTE 12	QPSK10M	Rear Face	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	-0.16	0.15	0.21
	LTE 12	QPSK10M	Left Side	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	0.18	0.06	0.08
	LTE 12	QPSK10M	Right Side	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	-0.05	0.091	0.13
	LTE 12	QPSK10M	Bottom Side	10	23095	25	0	DSI = 2	-	1.00	22.00	20.57	1.39	0.14	<0.001	0.00
	LTE 12	QPSK10M	Rear Face	10	23060	1	0	DSI = 2	-	1.00	23.00	21.49	1.42	0.12	0.169	0.24
13	LTE 12	QPSK10M	Rear Face	10	23130	1	0	DSI = 2	-	1.00	23.00	21.47	1.42	-0.01	0.174	0.25
	LTE 13	QPSK10M	Front Face	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	0.04	0.175	0.19
14	LTE 13	QPSK10M	Rear Face	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	0.01	0.232	0.25
	LTE 13	QPSK10M	Left Side	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	0.08	0.08	0.09
	LTE 13	QPSK10M	Right Side	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	0.04	0.062	0.07
	LTE 13	QPSK10M	Bottom Side	10	23230	1	0	DSI = 2	-	1.00	23.00	22.68	1.08	-0.06	0.063	0.07
	LTE 13	QPSK10M	Front Face	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.03	0.135	0.15
	LTE 13	QPSK10M	Rear Face	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.01	0.184	0.20
	LTE 13	QPSK10M	Left Side	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.09	0.084	0.09
	LTE 13	QPSK10M	Right Side	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.04	0.092	0.10
	LTE 13	QPSK10M	Bottom Side	10	23230	25	0	DSI = 2	-	1.00	22.00	21.65	1.08	-0.01	0.047	0.05
	LTE 66 / 4	QPSK20M	Front Face	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	-0.06	0.451	0.46
	LTE 66 / 4	QPSK20M	Rear Face	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	-0.02	0.423	0.43
	LTE 66 / 4	QPSK20M	Left Side	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	0.16	<0.001	0.00
	LTE 66 / 4	QPSK20M	Right Side	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	0.19	<0.001	0.00
	LTE 66 / 4	QPSK20M	Bottom Side	10	132322	1	0	DSI = 2	-	1.00	18.50	18.45	1.01	-0.01	0.805	0.81
	LTE 66 / 4	QPSK20M	Front Face	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	0.1	0.433	0.45
	LTE 66 / 4	QPSK20M	Rear Face	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	0.11	0.405	0.42
	LTE 66 / 4	QPSK20M	Left Side	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	-0.02	<0.001	0.00
	LTE 66 / 4	QPSK20M	Right Side	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	-0.17	<0.001	0.00
	LTE 66 / 4	QPSK20M	Bottom Side	10	132322	50	0	DSI = 2	-	1.00	18.50	18.37	1.03	-0.08	0.772	0.80
25	LTE 66 / 4	QPSK20M	Bottom Side	10	132072	1	0	DSI = 2	-	1.00	18.50	18.41	1.02	0.01	0.974	0.99
	LTE 66 / 4	QPSK20M	Bottom Side	10	132572	1	0	DSI = 2	-	1.00	18.50	18.37	1.03	0.18	0.71	0.73
	LTE 66 / 4	QPSK20M	Bottom Side	10	132072	1	0	DSI = 2	-	1.00	18.50	18.41	1.02	0.02	0.958	0.98

Hotspot SAR Test Result																
System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Front Face	10	1			DSI = 2	100.00	1.00	15.50	15.34	1.04	0.15	0.155	0.16
	WLAN2.4G	802.11b	Rear Face	10	1			DSI = 2	100.00	1.00	15.50	15.34	1.04	-0.01	0.294	0.31
	WLAN2.4G	802.11b	Right Side	10	1			DSI = 2	100.00	1.00	15.50	15.34	1.04	0.17	0.155	0.16
	WLAN2.4G	802.11b	Top Side	10	1			DSI = 2	100.00	1.00	15.50	15.34	1.04	-0.1	0.17	0.18
	WLAN2.4G	802.11b	Rear Face	10	6			DSI = 2	100.00	1.00	15.50	15.32	1.04	0.17	0.308	0.32
16	WLAN2.4G	802.11b	Rear Face	10	11			DSI = 2	100.00	1.00	15.50	15.21	1.07	0.07	0.34	0.36
	WLAN5.2G	802.11a	Front Face	10	48			DSI = 2	100.00	1.00	16.50	15.77	1.18	0.03	0.572	0.67
	WLAN5.2G	802.11a	Rear Face	10	48			DSI = 2	100.00	1.00	16.50	15.77	1.18	-0.19	0.949	1.12
	WLAN5.2G	802.11a	Right Side	10	48			DSI = 2	100.00	1.00	16.50	15.77	1.18	-0.12	0.78	0.92
	WLAN5.2G	802.11a	Top Side	10	48			DSI = 2	100.00	1.00	16.50	15.77	1.18	0.05	0.843	0.99
27	WLAN5.2G	802.11a	Rear Face	10	36			DSI = 2	100.00	1.00	16.50	15.75	1.19	-0.05	0.99	1.18
	WLAN5.2G	802.11a	Rear Face	10	40			DSI = 2	100.00	1.00	16.50	15.74	1.19	0.05	0.905	1.08
	WLAN5.2G	802.11a	Rear Face	10	44			DSI = 2	100.00	1.00	16.50	15.68	1.21	0.03	0.862	1.04
	WLAN5.2G	802.11a	Right Side	10	36			DSI = 2	100.00	1.00	16.50	15.75	1.19	-0.04	0.823	0.98
	WLAN5.2G	802.11a	Right Side	10	40			DSI = 2	100.00	1.00	16.50	15.74	1.19	0.17	0.722	0.86
	WLAN5.2G	802.11a	Right Side	10	44			DSI = 2	100.00	1.00	16.50	15.68	1.21	0.11	0.695	0.84
	WLAN5.2G	802.11a	Top Side	10	36			DSI = 2	100.00	1.00	16.50	15.75	1.19	0.09	0.881	1.05
	WLAN5.2G	802.11a	Top Side	10	40			DSI = 2	100.00	1.00	16.50	15.74	1.19	-0.02	0.796	0.95
	WLAN5.2G	802.11a	Top Side	10	44			DSI = 2	100.00	1.00	16.50	15.68	1.21	-0.06	0.734	0.89
	WLAN5.2G	802.11a	Rear Face	10	36			DSI = 2	100.00	1.00	16.50	15.75	1.19	0.14	0.983	1.17
	WLAN5.8G	802.11a	Front Face	10	157			DSI = 2	100.00	1.00	16.50	15.40	1.29	-0.05	0.351	0.45
	WLAN5.8G	802.11a	Rear Face	10	157			DSI = 2	100.00	1.00	16.50	15.40	1.29	-0.19	0.84	1.08
	WLAN5.8G	802.11a	Right Side	10	157			DSI = 2	100.00	1.00	16.50	15.40	1.29	0.03	0.504	0.65
	WLAN5.8G	802.11a	Top Side	10	157			DSI = 2	100.00	1.00	16.50	15.40	1.29	-0.18	0.546	0.70
	WLAN5.8G	802.11a	Rear Face	10	149			DSI = 2	100.00	1.00	16.50	15.38	1.29	0.02	0.586	0.76
	WLAN5.8G	802.11a	Rear Face	10	153			DSI = 2	100.00	1.00	16.50	15.38	1.29	0.1	0.625	0.81
	WLAN5.8G	802.11a	Rear Face	10	161			DSI = 2	100.00	1.00	16.50	15.31	1.32	0.18	0.813	1.07
19	WLAN5.8G	802.11a	Rear Face	10	165			DSI = 2	100.00	1.00	16.50	15.35	1.30	0.05	0.841	1.09
	WLAN5.8G	802.11a	Rear Face	10	165			DSI = 2	100.00	1.00	16.50	15.35	1.30	-0.11	0.833	1.08
	BT	BR / EDR	Front Face	10	78			DSI = 2	77.13	1.30	10.00	9.62	1.09	-0.07	0.03	0.04
	BT	BR / EDR	Rear Face	10	78			DSI = 2	77.13	1.30	10.00	9.62	1.09	0.02	0.054	0.08
	BT	BR / EDR	Right Side	10	78			DSI = 2	77.13	1.30	10.00	9.62	1.09	-0.07	0.024	0.03
	BT	BR / EDR	Top Side	10	78			DSI = 2	77.13	1.30	10.00	9.62	1.09	0.19	0.03	0.04
	BT	BR / EDR	Rear Face	10	0			DSI = 2	77.13	1.30	10.00	8.09	1.55	-0.11	0.035	0.07
20	BT	BR / EDR	Rear Face	10	39			DSI = 2	77.13	1.30	10.00	8.11	1.55	0.02	0.059	0.12

Product Specific SAR Test Result																
System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN5.3G	802.11a	Front Face	0	64			DSI = 2	100.00	1.00	16.50	15.78	1.18	0.13	1.19	1.40
	WLAN5.3G	802.11a	Rear Face	0	64			DSI = 2	100.00	1.00	16.50	15.78	1.18	-0.08	1.31	1.55
	WLAN5.3G	802.11a	Right Side	0	64			DSI = 2	100.00	1.00	16.50	15.78	1.18	-0.1	0.682	0.80
	WLAN5.3G	802.11a	Top Side	0	64			DSI = 2	100.00	1.00	16.50	15.78	1.18	0.09	0.774	0.91
30	WLAN5.3G	802.11a	Rear Face	0	52			DSI = 2	100.00	1.00	16.50	15.77	1.18	-0.07	1.48	1.75
	WLAN5.3G	802.11a	Rear Face	0	56			DSI = 2	100.00	1.00	16.50	15.77	1.18	-0.1	1.33	1.57
	WLAN5.3G	802.11a	Rear Face	0	60			DSI = 2	100.00	1.00	16.50	15.74	1.19	0.15	1.44	1.71
	WLAN5.6G	802.11a	Front Face	0	140			DSI = 2	100.00	1.00	16.50	15.56	1.24	-0.16	0.729	0.90
31	WLAN5.6G	802.11a	Rear Face	0	140			DSI = 2	100.00	1.00	16.50	15.56	1.24	-0.07	0.93	1.15
	WLAN5.6G	802.11a	Right Side	0	140			DSI = 2	100.00	1.00	16.50	15.56	1.24	-0.05	0.575	0.71
	WLAN5.6G	802.11a	Top Side	0	140			DSI = 2	100.00	1.00	16.50	15.56	1.24	-0.03	0.599	0.74
	WLAN5.6G	802.11a	Rear Face	0	100			DSI = 2	100.00	1.00	16.50	15.43	1.28	-0.03	0.822	1.05
	WLAN5.6G	802.11a	Rear Face	0	116			DSI = 2	100.00	1.00	16.50	15.55	1.24	0.08	0.777	0.96
	WLAN5.6G	802.11a	Rear Face	0	120			DSI = 2	100.00	1.00	16.50	15.53	1.25	-0.07	0.735	0.92
	WLAN5.6G	802.11a	Rear Face	0	124			DSI = 2	100.00	1.00	16.50	15.52	1.25	0.07	0.765	0.96
	WLAN5.6G	802.11a	Rear Face	0	132			DSI = 2	100.00	1.00	16.50	15.47	1.27	-0.16	0.815	1.04

Appendix G. SAR Measurement Variability

SAR repeated measurement are shown as below.

Repeated SAR							
Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio
R17	WLAN5.3G	802.11a	Rear Face	52	0.92	0.916	1.00
R19	WLAN5.8G	802.11a	Rear Face	165	0.841	0.833	1.01
R21	LTE 2	QPSK20M	Bottom Side	18700	0.891	0.864	1.03
R25	LTE 66 / 4	QPSK20M	Bottom Side	132072	0.974	0.958	1.02
R27	WLAN5.2G	802.11a	Rear Face	36	0.99	0.983	1.01

Appendix H. Analysis of Simultaneous Transmission SAR

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Head / Body-worn / Hotspot / Product Specific Exposure Condition
A	MAX WWAN + MAX WLAN 2.4G	Yes
B	MAX WWAN + MAX WLAN 5G	Yes
C	MAX WWAN + MAX BT	Yes

Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. The WLAN and Bluetooth cannot transmit simultaneously.

Simultaneous Transmission SAR Evaluation (Head)								
Band	Position	1	2	3	4	A(1+2)	B(1+3)	C(1+4)
		Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	Max BT Ant 1	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg			
LTE 2	Right Cheek	0.52	0.35	0.52	0.07	0.87	1.04	0.59
	Right Tilted	0.30	0.36	0.57	0.07	0.66	0.87	0.37
	Left Cheek	0.36	0.68	0.81	0.22	1.04	1.17	0.58
	Left Tilted	0.34	0.45	0.69	0.09	0.79	1.03	0.43
LTE 5	Right Cheek	0.20	0.35	0.52	0.07	0.55	0.72	0.27
	Right Tilted	0.11	0.36	0.57	0.07	0.47	0.68	0.18
	Left Cheek	0.26	0.68	0.81	0.22	0.94	1.07	0.48
	Left Tilted	0.12	0.45	0.69	0.09	0.57	0.81	0.21
LTE 12	Right Cheek	0.12	0.35	0.52	0.07	0.47	0.64	0.19
	Right Tilted	0.06	0.36	0.57	0.07	0.42	0.63	0.13
	Left Cheek	0.13	0.68	0.81	0.22	0.81	0.94	0.35
	Left Tilted	0.07	0.45	0.69	0.09	0.52	0.76	0.16
LTE 13	Right Cheek	0.15	0.35	0.52	0.07	0.50	0.67	0.22
	Right Tilted	0.09	0.36	0.57	0.07	0.45	0.66	0.16
	Left Cheek	0.17	0.68	0.81	0.22	0.85	0.98	0.39
	Left Tilted	0.10	0.45	0.69	0.09	0.55	0.79	0.19
LTE 66 / 4	Right Cheek	0.17	0.35	0.52	0.07	0.52	0.69	0.24
	Right Tilted	0.08	0.36	0.57	0.07	0.44	0.65	0.15
	Left Cheek	0.10	0.68	0.81	0.22	0.78	0.91	0.32
	Left Tilted	0.09	0.45	0.69	0.09	0.54	0.78	0.18

Simultaneous Transmission SAR Evaluation(Body-worn Mode)								
Band	Position	1	2	3	4	A(1+2)	B(1+3)	C(1+4)
		Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	Max BT Ant 1	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg			
LTE 2	Front Face	0.31	0.16	0.64	0.04	0.47	0.95	0.35
	Rear Face	0.27	0.36	1.09	0.12	0.63	1.36	0.39
LTE 5	Front Face	0.25	0.16	0.64	0.04	0.41	0.89	0.29
	Rear Face	0.26	0.36	1.09	0.12	0.62	1.35	0.38
LTE 12	Front Face	0.18	0.16	0.64	0.04	0.34	0.82	0.22
	Rear Face	0.25	0.36	1.09	0.12	0.61	1.34	0.37
LTE 13	Front Face	0.19	0.16	0.64	0.04	0.35	0.83	0.23
	Rear Face	0.25	0.36	1.09	0.12	0.61	1.34	0.37
LTE 66 / 4	Front Face	0.50	0.16	0.64	0.04	0.66	1.14	0.54
	Rear Face	0.43	0.36	1.09	0.12	0.79	1.52	0.55

Simultaneous Transmission SAR Evaluation(Hotspot)								
Band	Position	1	2	3	4	A(1+2)	B(1+3)	C(1+4)
		Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	Max BT Ant 1	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg			
LTE 2	Front Face	0.59	0.16	0.67	0.00	0.75	1.26	0.59
	Rear Face	0.54	0.36	1.18	0.00	0.90	1.72	0.54
	Left Side	0.14	0.00	0.00	0.00	0.14	0.14	0.14
	Right Side	0.17	0.16	0.98	0.00	0.33	1.15	0.17
	Top Side	0.00	0.18	1.05	0.00	0.18	1.05	0.00
	Bottom Side	0.92	0.00	0.00	0.00	0.92	0.92	0.92
LTE 5	Front Face	0.25	0.16	0.67	0.00	0.41	0.92	0.25
	Rear Face	0.26	0.36	1.18	0.00	0.62	1.44	0.26
	Left Side	0.17	0.00	0.00	0.00	0.17	0.17	0.17
	Right Side	0.10	0.16	0.98	0.00	0.26	1.08	0.10
	Top Side	0.00	0.18	1.05	0.00	0.18	1.05	0.00
	Bottom Side	0.12	0.00	0.00	0.00	0.12	0.12	0.12
LTE 12	Front Face	0.18	0.16	0.67	0.00	0.34	0.85	0.18
	Rear Face	0.25	0.36	1.18	0.00	0.61	1.43	0.25
	Left Side	0.10	0.00	0.00	0.00	0.10	0.10	0.10
	Right Side	0.13	0.16	0.98	0.00	0.29	1.11	0.13
	Top Side	0.00	0.18	1.05	0.00	0.18	1.05	0.00
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 13	Front Face	0.19	0.16	0.67	0.00	0.35	0.86	0.19
	Rear Face	0.25	0.36	1.18	0.00	0.61	1.43	0.25
	Left Side	0.09	0.00	0.00	0.00	0.09	0.09	0.09
	Right Side	0.10	0.16	0.98	0.00	0.26	1.08	0.10
	Top Side	0.00	0.18	1.05	0.00	0.18	1.05	0.00
	Bottom Side	0.07	0.00	0.00	0.00	0.07	0.07	0.07
LTE 66 / 4	Front Face	0.46	0.16	0.67	0.00	0.62	1.13	0.46
	Rear Face	0.43	0.36	1.18	0.00	0.79	1.61	0.43
	Left Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right Side	0.00	0.16	0.98	0.00	0.16	0.98	0.00
	Top Side	0.00	0.18	1.05	0.00	0.18	1.05	0.00
	Bottom Side	0.99	0.00	0.00	0.00	0.99	0.99	0.99

Appendix I. SAR to Peak Location Separation Ratio Analysis.

The result of SAR to Peak Location Separation Ratio Analysis are shown as below.

