Appendix C: Simultaneous Transmission analysis-Hotspot

WWAN + WLAN DTS					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Front	0.111	0.020	0.131
		Rear	0.155	0.036	0.191
		Left side	0.136	-	0.136
		Right side	0.115	0.030	0.145
		Top side	-	0.028	0.028
		Bottom side	0.143	-	0.143
	GSM1900	Front	0.028	0.020	0.048
		Rear	0.038	0.036	0.074
		Left side	0.025	-	0.025
		Right side	0.020	0.030	0.050
		Top side	-	0.028	0.028
		Bottom side	0.031	-	0.031
WCDMA	Band II	Front	0.114	0.020	0.134
		Rear	0.241	0.036	0.277
		Left side	0.159	-	0.159
		Right side	0.125	0.030	0.155
		Top side	-	0.028	0.028
		Bottom side	0.184	-	0.184
	Band IV	Front	0.131	0.020	0.151
		Rear	0.253	0.036	0.289
		Left side	0.187	-	0.187
		Right side	0.156	0.030	0.186
		Top side	-	0.028	0.028
		Bottom side	0.216	-	0.216
	Band V	Front	0.059	0.020	0.079
		Rear	0.096	0.036	0.132
		Left side	0.079	-	0.079
		Right side	0.060	0.030	0.090
		Top side	-	0.028	0.028
		Bottom side	0.087	-	0.087
	B2 1RB	Front	0.213	0.020	0.233
		Rear	0.263	0.036	0.299
		Left side	0.241	-	0.241
		Right side	0.229	0.030	0.259
		Top side	-	0.028	0.028
		Bottom side	0.250	-	0.250
	B2 50RB	Front	0.188	0.020	0.208
		Rear	0.226	0.036	0.262
		Left side	0.206	-	0.206
		Right side	0.196	0.030	0.226
		Top side	-	0.028	0.028
		Bottom side	0.217	-	0.217
	B4 1RB	Front	0.326	0.020	0.346
		Rear	0.353	0.036	0.389
		Left side	0.340	-	0.340
		Right side	0.315	0.030	0.345
		Top side	-	0.028	0.028
		Bottom side	0.344	-	0.344
	B4 50RB	Front	0.301	0.020	0.321
		Rear	0.341	0.036	0.377
		Left side	0.309	-	0.309
		Right side	0.297	0.030	0.327
		Top side	-	0.028	0.028
		Bottom side	0.324	-	0.324

LTE	B5 1RB	Front	0.051	0.020	0.071
		Rear	0.071	0.036	0.107
		Left side	0.062	-	0.062
		Right side	0.058	0.030	0.088
		Top side	-	0.028	0.028
		Bottom side	0.066	-	0.066
	B5 25RB	Front	0.043	0.020	0.063
		Rear	0.057	0.036	0.093
		Left side	0.052	-	0.052
		Right side	0.045	0.030	0.075
		Top side	-	0.028	0.028
		Bottom side	0.054	-	0.054
	B7 1RB	Front	0.806	0.020	0.826
		Rear	1.037	0.036	1.073
		Left side	0.907	-	0.907
		Right side	0.868	0.030	0.898
		Top side	-	0.028	0.028
		Bottom side	1.004	-	1.004
	B7 50RB	Front	0.655	0.020	0.675
		Rear	0.815	0.036	0.851
		Left side	0.756	-	0.756
		Right side	0.706	0.030	0.736
		Top side	-	0.028	0.028
		Bottom side	0.779	-	0.779
	B7 100RB	Front	0.584	0.020	0.604
		Rear	0.749	0.036	0.785
		Left side	0.688	-	0.688
		Right side	0.659	0.030	0.689
		Top side	-	0.028	0.028
		Bottom side	0.724	-	0.724
	B12 1RB	Front	0.172	0.020	0.192
		Rear	0.201	0.036	0.237
		Left side	0.179	-	0.179
		Right side	0.165	0.030	0.195
		Top side	-	0.028	0.028
		Bottom side	0.135	-	0.135
	B12 25RB	Front	0.158	0.020	0.178
		Rear	0.181	0.036	0.217
		Left side	0.172	-	0.172
		Right side	0.159	0.030	0.189
		Top side	-	0.028	0.028
		Bottom side	0.131	-	0.131
	B17 1RB	Front	0.179	0.020	0.199
		Rear	0.213	0.036	0.249
		Left side	0.193	-	0.193
		Right side	0.174	0.030	0.204
		Top side	-	0.028	0.028
		Bottom side	0.153	-	0.153
	B17 25RB	Front	0.148	0.020	0.168
		Rear	0.190	0.036	0.226
		Left side	0.176	-	0.176
		Right side	0.161	0.030	0.191
		Top side	-	0.028	0.028
		Bottom side	0.149	-	0.149
	B66 1RB	Front	0.230	0.020	0.250
		Rear	0.269	0.036	0.305
		Left side	0.251	-	0.251
		Right side	0.243	0.030	0.273
		Top side	-	0.028	0.028
		Bottom side	0.263	-	0.263
	B66 50RB	Front	0.201	0.020	0.221
		Rear	0.245	0.036	0.281
		Left side	0.214	-	0.214
		Right side	0.203	0.030	0.233
		Top side	-	0.028	0.028
		Bottom side	0.225	-	0.225

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Front	0.111	0.014	0.125
		Rear	0.155	0.018	0.173
		Left side	0.136	-	0.136
		Right side	0.115	0.016	0.131
		Top side	-	0.013	0.013
		Bottom side	0.143	-	0.143
	GSM1900	Front	0.028	0.014	0.042
		Rear	0.038	0.018	0.056
		Left side	0.025	-	0.025
		Right side	0.020	0.016	0.036
		Top side	-	0.013	0.013
		Bottom side	0.031	-	0.031
WCDMA	Band II	Front	0.114	0.014	0.128
		Rear	0.241	0.018	0.259
		Left side	0.159	-	0.159
		Right side	0.125	0.016	0.141
		Top side	-	0.013	0.013
		Bottom side	0.184	-	0.184
	Band IV	Front	0.131	0.014	0.145
		Rear	0.253	0.018	0.271
		Left side	0.187	-	0.187
		Right side	0.156	0.016	0.172
		Top side	-	0.013	0.013
		Bottom side	0.216	-	0.216
	Band V	Front	0.059	0.014	0.073
		Rear	0.096	0.018	0.114
		Left side	0.079	-	0.079
		Right side	0.060	0.016	0.076
		Top side	-	0.013	0.013
		Bottom side	0.087	-	0.087
	B2 1RB	Front	0.213	0.014	0.227
		Rear	0.263	0.018	0.281
		Left side	0.241	-	0.241
		Right side	0.229	0.016	0.245
		Top side	-	0.013	0.013
		Bottom side	0.250	-	0.250
	B2 50RB	Front	0.188	0.014	0.202
		Rear	0.226	0.018	0.244
		Left side	0.206	-	0.206
		Right side	0.196	0.016	0.212
		Top side	-	0.013	0.013
		Bottom side	0.217	-	0.217
	B4 1RB	Front	0.326	0.014	0.340
		Rear	0.353	0.018	0.371
		Left side	0.340	-	0.340
		Right side	0.315	0.016	0.331
		Top side	-	0.013	0.013
		Bottom side	0.344	-	0.344
	B4 50RB	Front	0.301	0.014	0.315
		Rear	0.341	0.018	0.359
		Left side	0.309	-	0.309
		Right side	0.297	0.016	0.313
		Top side	-	0.013	0.013
		Bottom side	0.324	-	0.324

LTE	B5 1RB	Front	0.051	0.014	0.065
		Rear	0.071	0.018	0.089
		Left side	0.062	-	0.062
		Right side	0.058	0.016	0.074
		Top side	-	0.013	0.013
		Bottom side	0.066	-	0.066
	B5 25RB	Front	0.043	0.014	0.057
		Rear	0.057	0.018	0.075
		Left side	0.052	-	0.052
		Right side	0.045	0.016	0.061
		Top side	-	0.013	0.013
		Bottom side	0.054	-	0.054
	B7 1RB	Front	0.806	0.014	0.820
		Rear	1.037	0.018	1.055
		Left side	0.907	-	0.907
		Right side	0.868	0.016	0.884
		Top side	-	0.013	0.013
		Bottom side	1.004	-	1.004
	B7 50RB	Front	0.655	0.014	0.669
		Rear	0.815	0.018	0.833
		Left side	0.756	-	0.756
		Right side	0.706	0.016	0.722
		Top side	-	0.013	0.013
		Bottom side	0.779	-	0.779
	B7 100RB	Front	0.584	0.014	0.598
		Rear	0.749	0.018	0.767
		Left side	0.688	-	0.688
		Right side	0.659	0.016	0.675
		Top side	-	0.013	0.013
		Bottom side	0.724	-	0.724
	B12 1RB	Front	0.172	0.014	0.186
		Rear	0.201	0.018	0.219
		Left side	0.179	-	0.179
		Right side	0.165	0.016	0.181
		Top side	-	0.013	0.013
		Bottom side	0.135	-	0.135
	B12 25RB	Front	0.158	0.014	0.172
		Rear	0.181	0.018	0.199
		Left side	0.172	-	0.172
		Right side	0.159	0.016	0.175
		Top side	-	0.013	0.013
		Bottom side	0.131	-	0.131
	B17 1RB	Front	0.179	0.014	0.193
		Rear	0.213	0.018	0.231
		Left side	0.193	-	0.193
		Right side	0.174	0.016	0.190
		Top side	-	0.013	0.013
		Bottom side	0.153	-	0.153
	B17 25RB	Front	0.148	0.014	0.162
		Rear	0.190	0.018	0.208
		Left side	0.176	-	0.176
		Right side	0.161	0.016	0.177
		Top side	-	0.013	0.013
		Bottom side	0.149	-	0.149
	B66 1RB	Front	0.230	0.014	0.244
		Rear	0.269	0.018	0.287
		Left side	0.251	-	0.251
		Right side	0.243	0.016	0.259
		Top side	-	0.013	0.013
		Bottom side	0.263	-	0.263
	B66 50RB	Front	0.201	0.014	0.215
		Rear	0.245	0.018	0.263
		Left side	0.214	-	0.214
		Right side	0.203	0.016	0.219
		Top side	-	0.013	0.013
		Bottom side	0.225	-	0.225

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/18/2022

GSM 850-L-Head

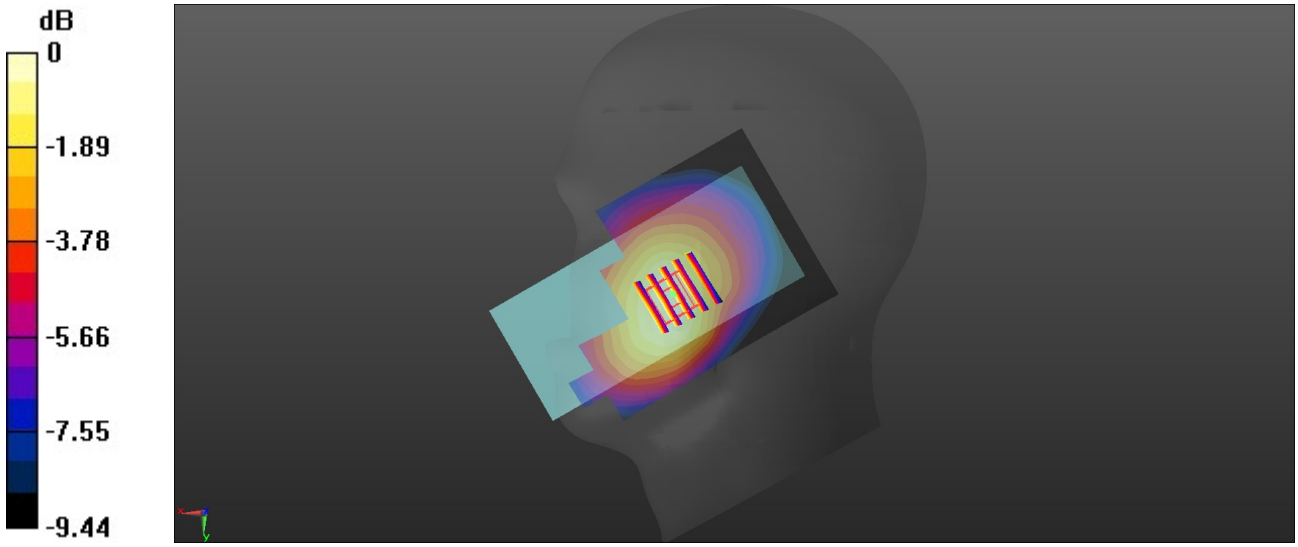
Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium parameters used: f = 825 MHz; σ = 0.863 S/m; ε_r = 41.625; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 824.2 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 128/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.165 W/kg

Right Touch Check/CH 128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.429 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.093 W/kg
Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg = -7.96 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/22/2022

GSM 1900-H-Head

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1) (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.66993

Medium parameters used: f = 1910 MHz; σ = 1.42 S/m; ε_r = 39.12; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1909.8 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 810/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0166 W/kg

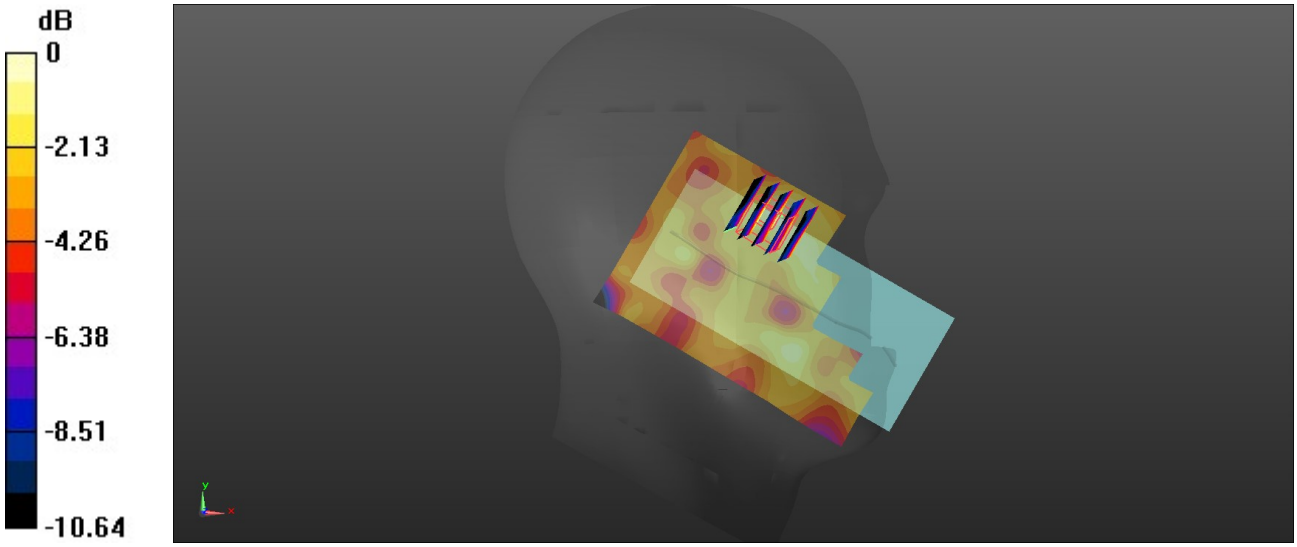
Left Touch Check/CH 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.162 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0220 W/kg

SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00543 W/kg

Maximum value of SAR (measured) = 0.0162 W/kg



0 dB = 0.0162 W/kg = -17.90 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/22/2022

WCDMA Band II-M-Head

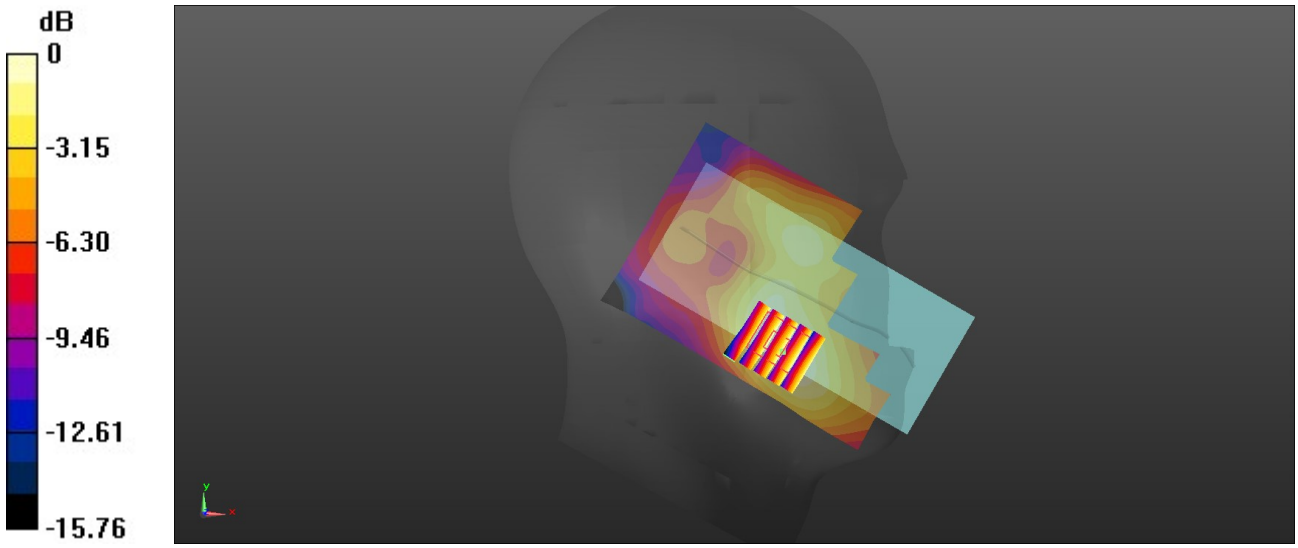
Communication System: UID 0, Generic UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.404 S/m; ε_r = 39.164; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1880 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 9400/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.106 W/kg

Left Touch Check/CH 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.769 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.116 W/kg
SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.0994 W/kg



0 dB = 0.0994 W/kg = -10.03 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/21/2022

WCDMA Band IV-H-Head

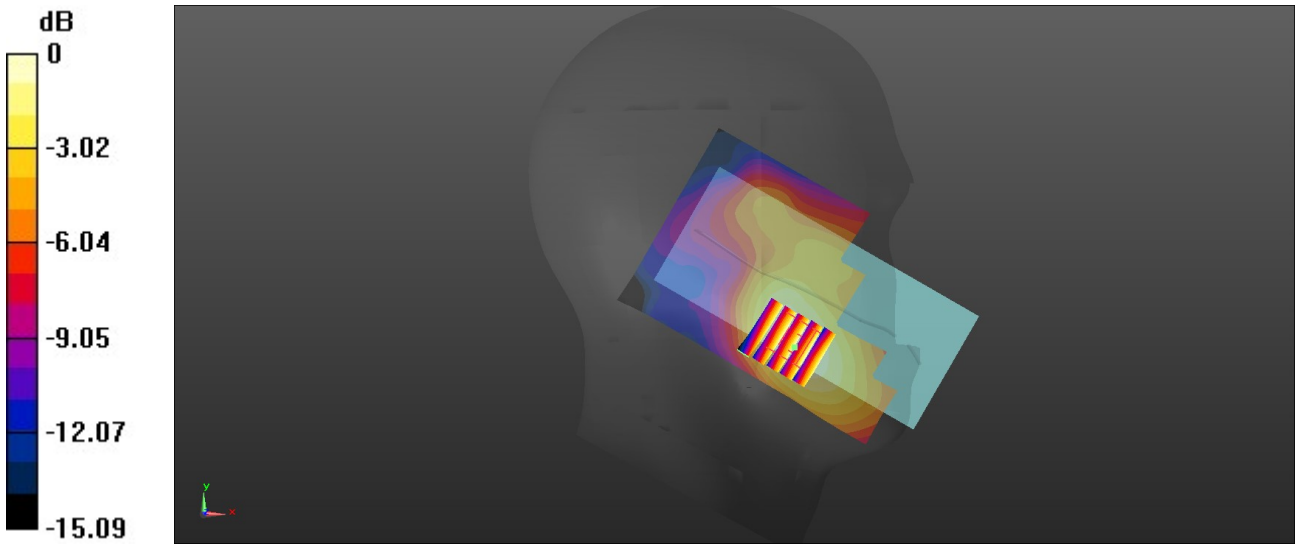
Communication System: UID 0, Generic UMTS (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.336 S/m; ε_r = 39.4; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.81, 8.81, 8.81) @ 1752.6 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 1513/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.152 W/kg

Left Touch Check/CH 1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.823 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.143 W/kg



0 dB = 0.143 W/kg = -8.45 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/18/2022

WCDMA Band V-M-Head

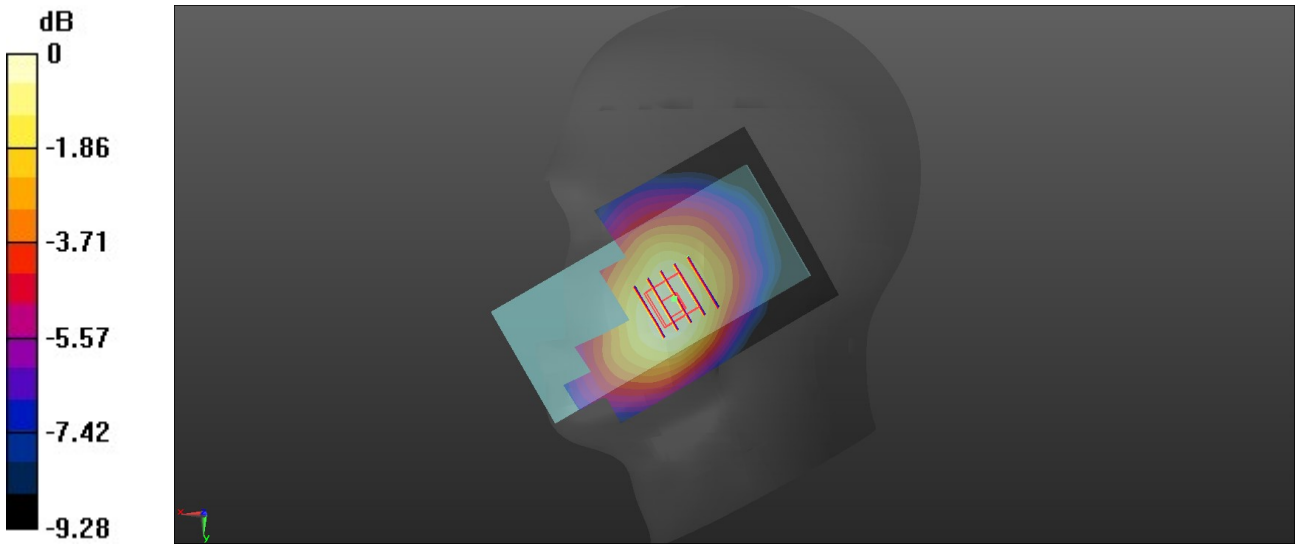
Communication System: UID 0, Generic UMTS (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.866 S/m; ε_r = 41.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 4183/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0918 W/kg

Right Touch Check/CH 4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.772 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.101 W/kg
SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.0892 W/kg



0 dB = 0.0892 W/kg = -10.50 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/22/2022

LTE Band 2-L-Head

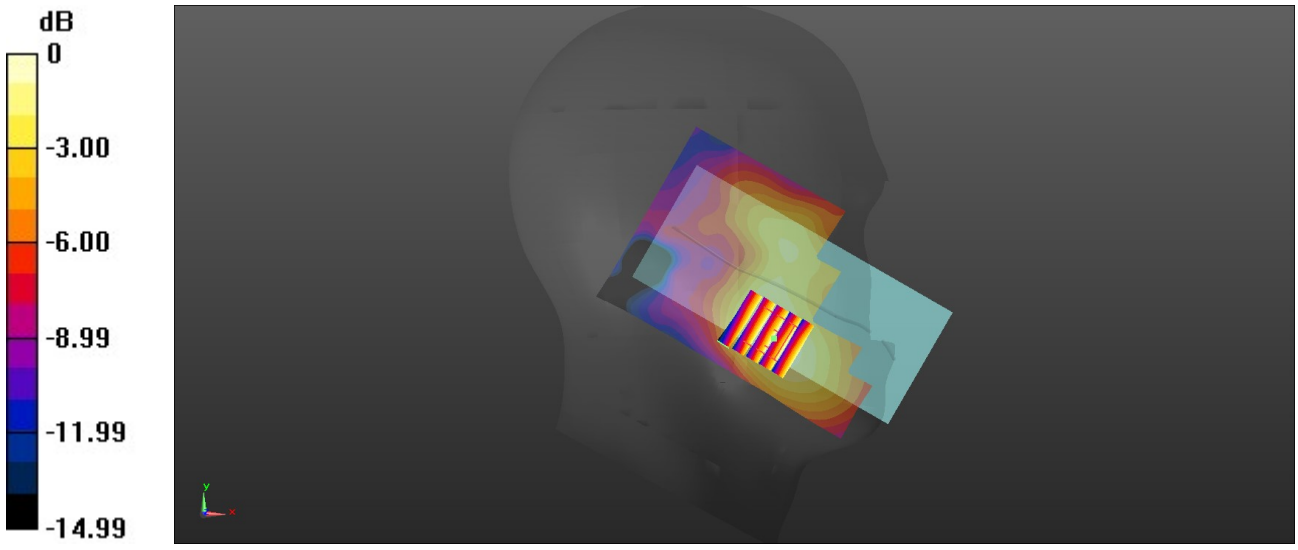
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.391 S/m; ε_r = 39.224; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1860 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 18700/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0904 W/kg

Left Touch Check/CH 18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.498 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.042 W/kg
Maximum value of SAR (measured) = 0.0893 W/kg



0 dB = 0.0893 W/kg = -10.49 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/21/2022

LTE Band 4-H-Head

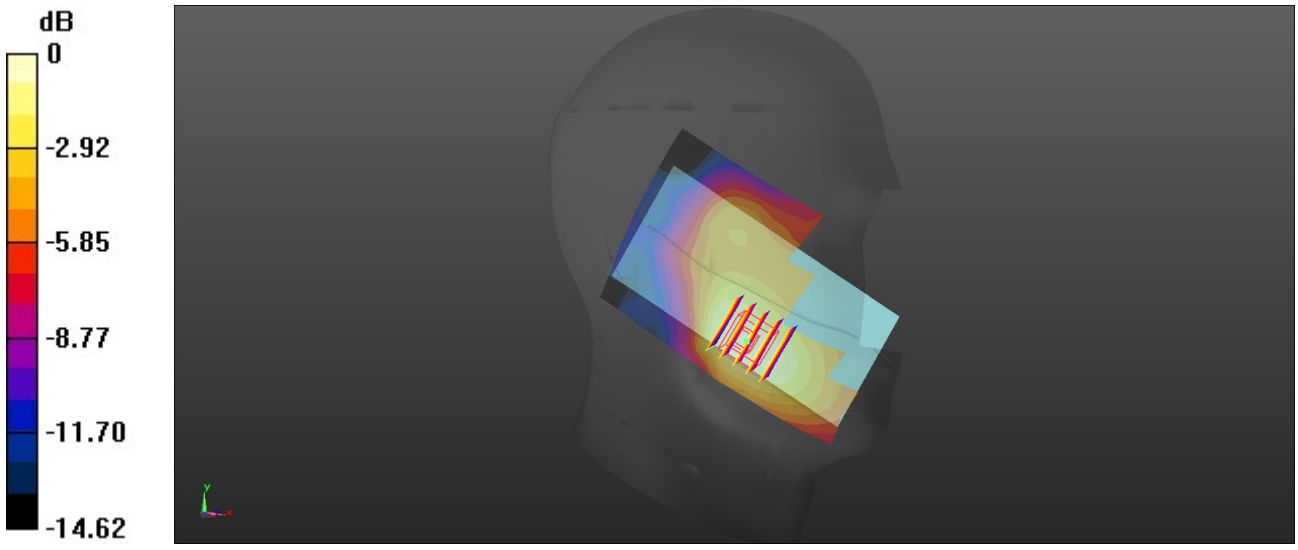
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.331 S/m; ε_r = 39.425; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.81, 8.81, 8.81) @ 1745 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 20300/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.134 W/kg

Left Touch Check/CH 20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.722 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.153 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.063 W/kg
Maximum value of SAR (measured) = 0.131 W/kg



0 dB = 0.131 W/kg = -8.83 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/18/2022

LTE Band 5-M-Head

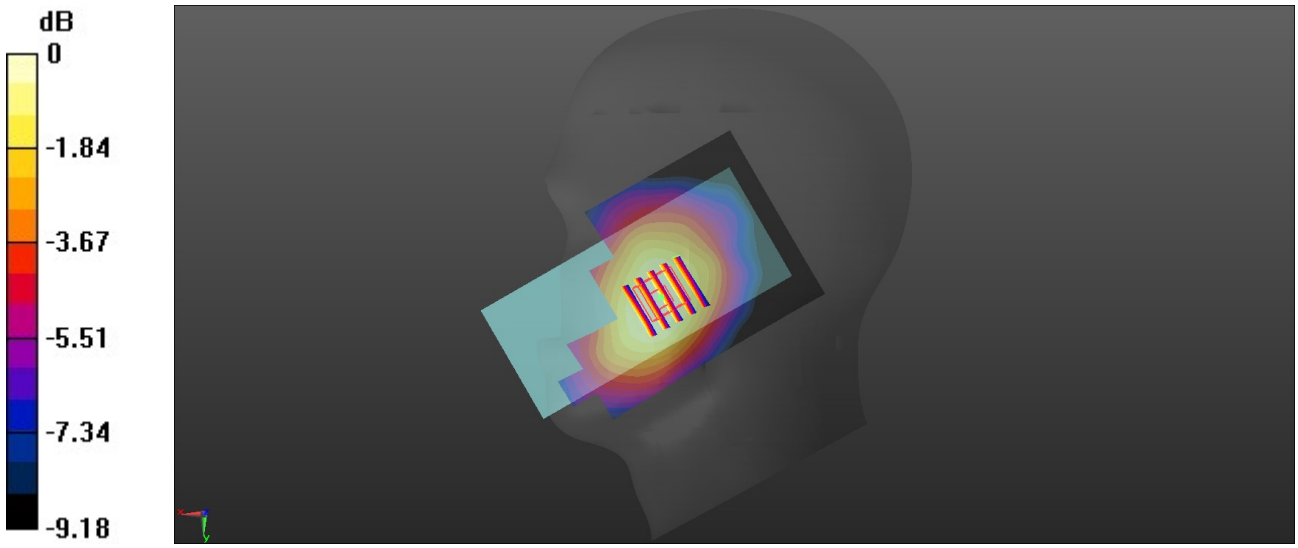
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.866 S/m; ε_r = 41.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 836.5 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 20525/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0777 W/kg

Right Touch Check/CH 20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.166 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.0778 W/kg



0 dB = 0.0778 W/kg = -11.09 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/23/2022

LTE Band 7-H-Head

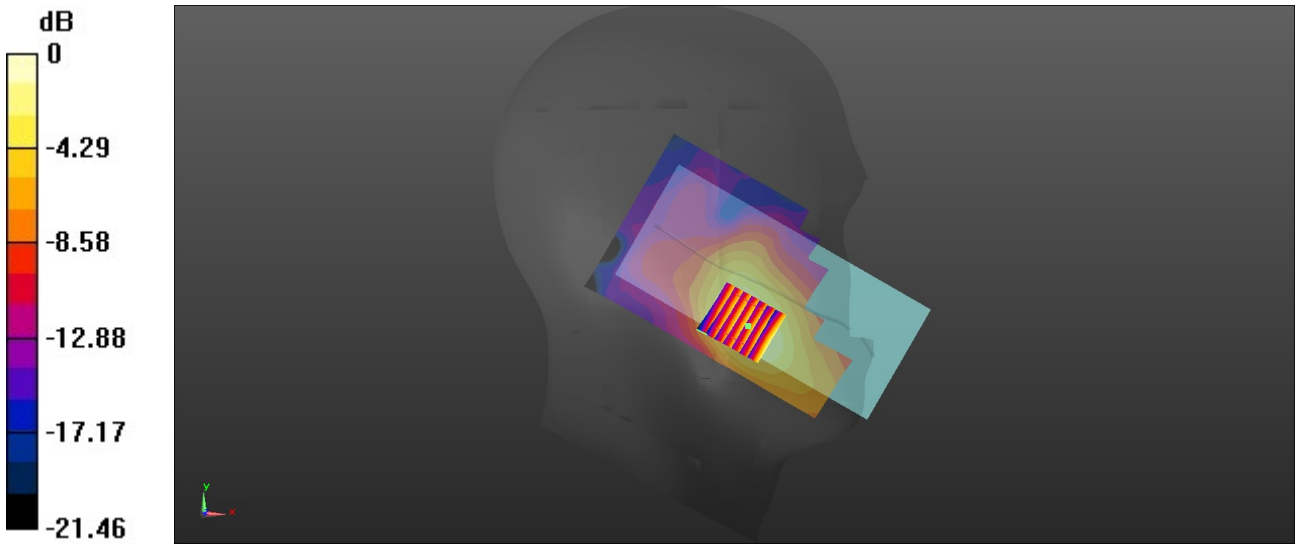
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.89 S/m; ε_r = 39.38; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.65, 7.65, 7.65) @ 2560 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 21350/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.437 W/kg

Left Touch Check/CH 21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.001 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.536 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.165 W/kg
Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/17/2022

LTE Band 12-L-Head

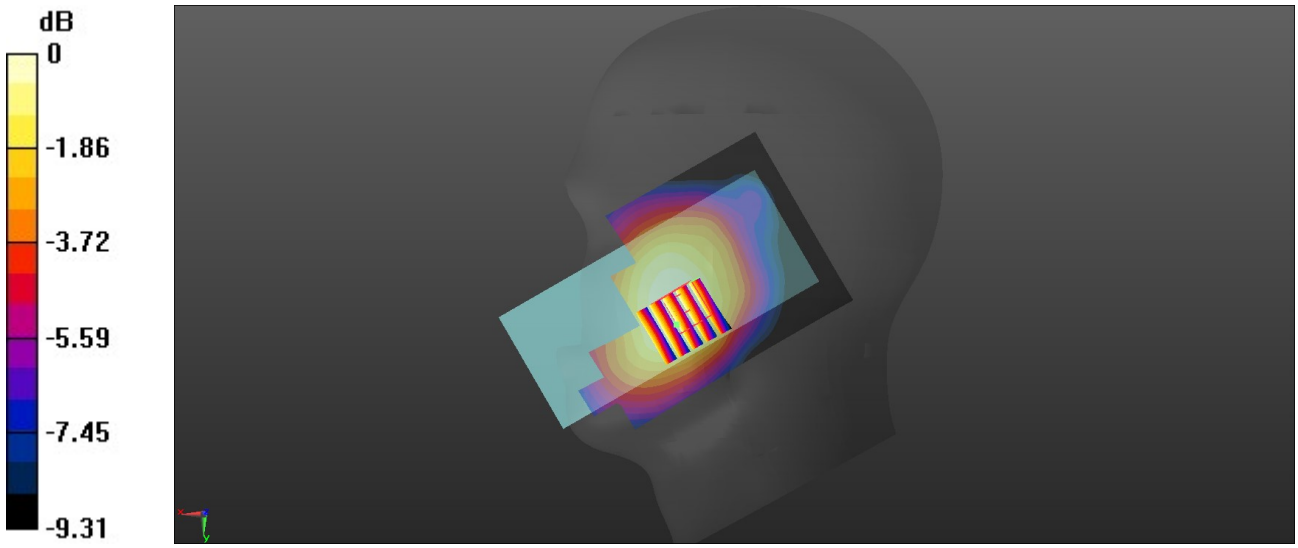
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 704 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 704 MHz; σ = 0.9 S/m; ε_r = 42.074; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.3℃;Liquid Temperature:22.1℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.6, 10.6, 10.6) @ 704 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 23060/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.122 W/kg

Right Touch Check/CH 23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.188 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.075 W/kg
Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/17/2022

LTE Band 17-H-Head

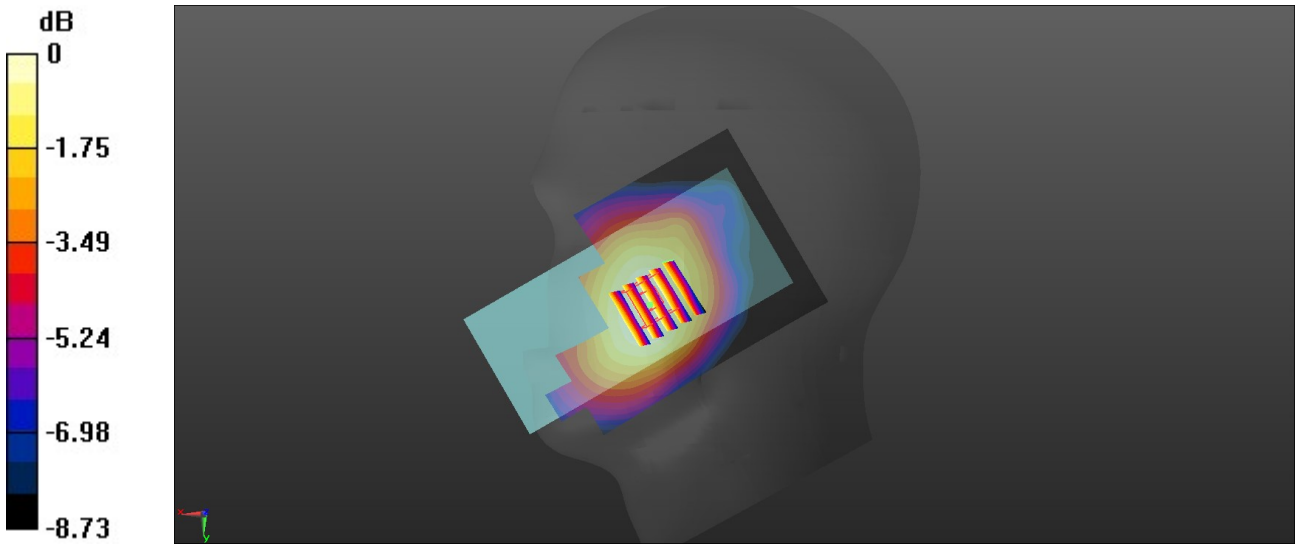
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 711 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 711 MHz; σ = 0.903 S/m; ε_r = 42.032; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.6, 10.6, 10.6) @ 711 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 23800/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.115 W/kg

Right Touch Check/CH 23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.948 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.124 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.070 W/kg
Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.111 W/kg = -9.55 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/21/2022

LTE Band 66-H-Head

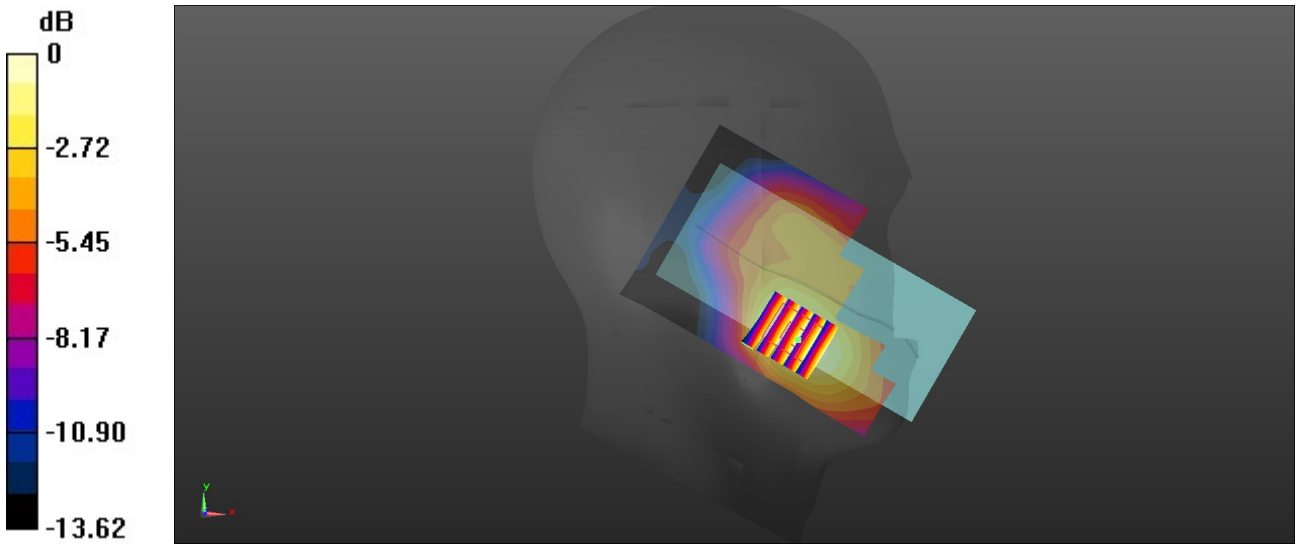
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.347 S/m; ε_r = 39.363; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.81, 8.81, 8.81) @ 1770 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 132572/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.171 W/kg

Left Touch Check/CH 132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.042 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.195 W/kg
SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.081 W/kg
Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.167 W/kg = -7.77 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/23/2022

Wifi 2.4G-M-Head

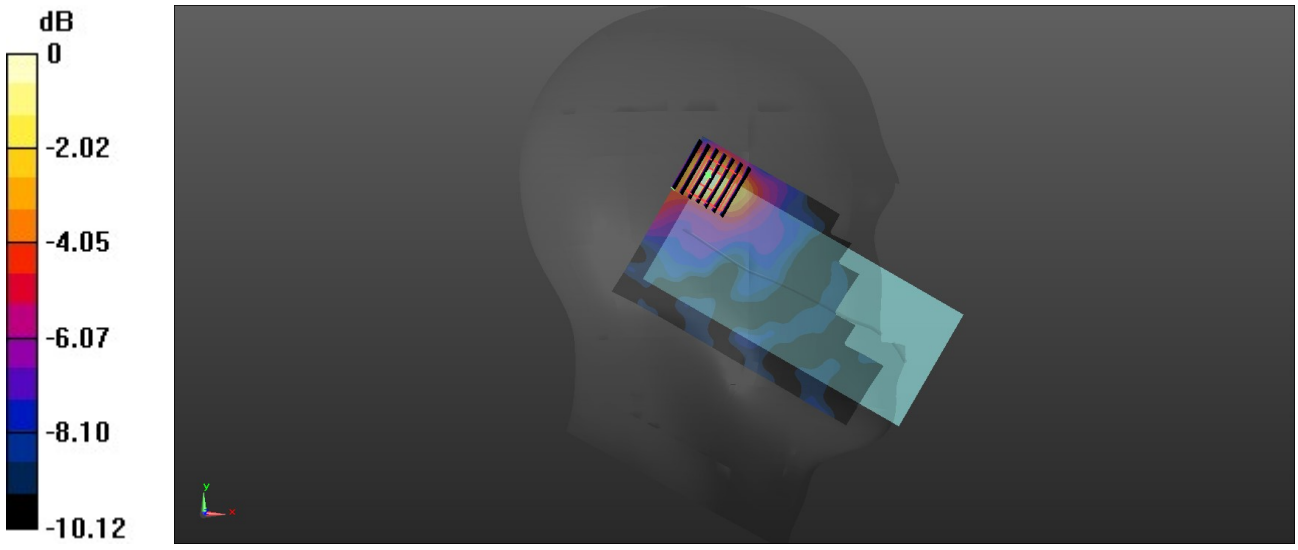
Communication System: UID 0, Generic WIFI (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.802 S/m; ε_r = 39.42; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2437 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0890 W/kg

Left Touch Check/CH 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.429 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.114 W/kg
SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.024 W/kg
Maximum value of SAR (measured) = 0.0872 W/kg



0 dB = 0.0872 W/kg = -10.59 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/23/2022

Bluetooth-L-Body

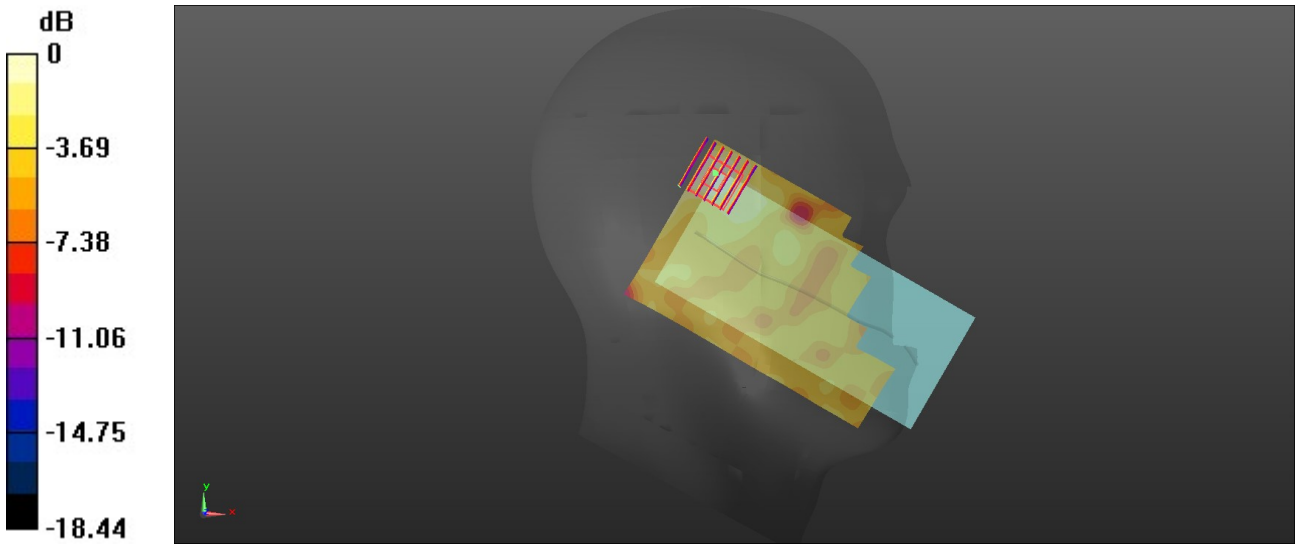
Communication System: UID 0, Generic BT (0); Frequency: 2402 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.763 S/m; ε_r = 39.41; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2402 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 0/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0265 W/kg

Left Touch Check/CH 0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.293 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.0310 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00761 W/kg
Maximum value of SAR (measured) = 0.0243 W/kg



0 dB = 0.0243 W/kg = -16.14 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/18/2022

GSM 850-L-Body

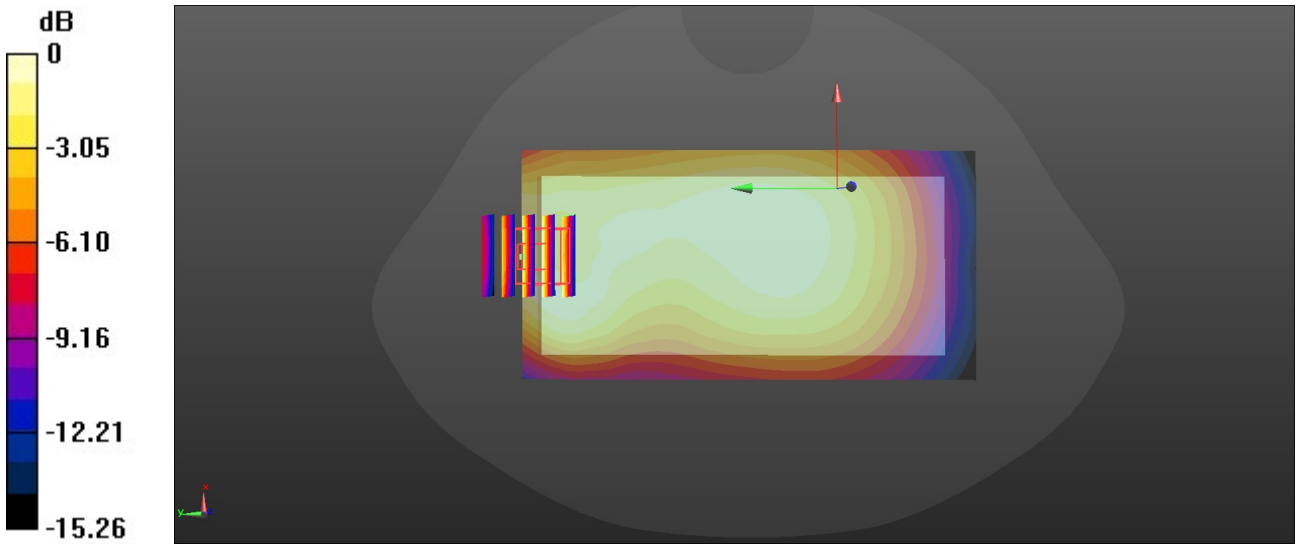
Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.66993
Medium parameters used: f = 825 MHz; σ = 0.863 S/m; ε_r = 41.625; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 824.2 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 128/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.207 W/kg

Rear/CH 128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.77 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.082 W/kg
Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg = -6.86 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/22/2022

GSM 1900-H-Body

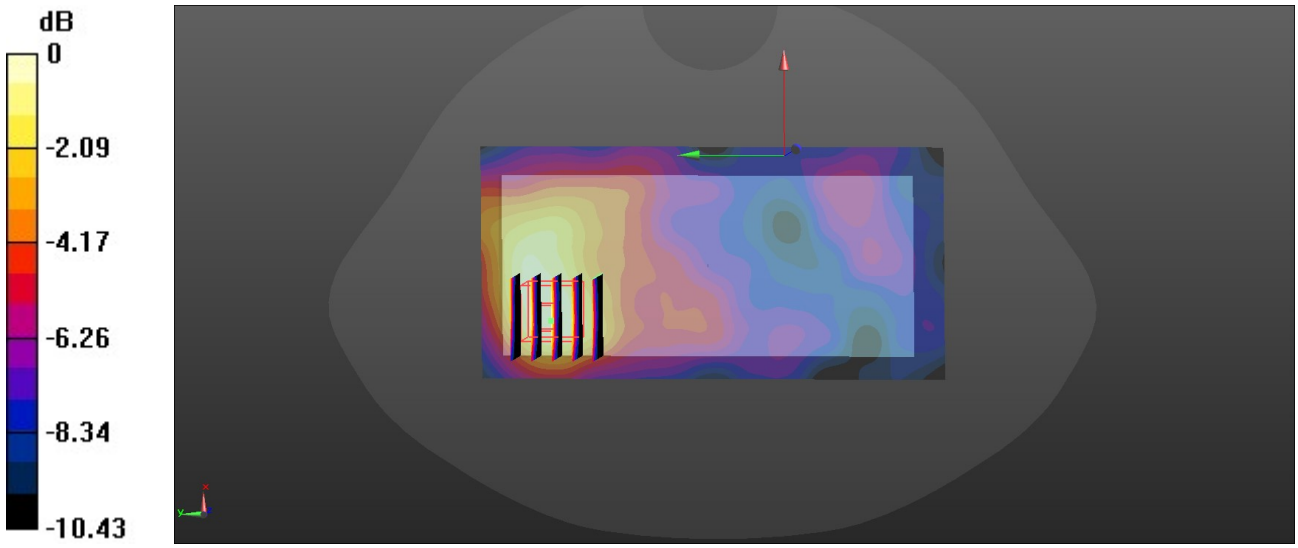
Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1) (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 1910 MHz; σ = 1.42 S/m; ε_r = 39.12; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1909.8 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Rear/CH 810/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0508 W/kg

Rear/CH 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.508 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0630 W/kg
SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.019 W/kg
Maximum value of SAR (measured) = 0.0501 W/kg



0 dB = 0.0501 W/kg = -13.00 dBW/kg