



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-17:39:05	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	36.60%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	32.50mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	3.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.382
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.290 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.310 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.309 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.400 %

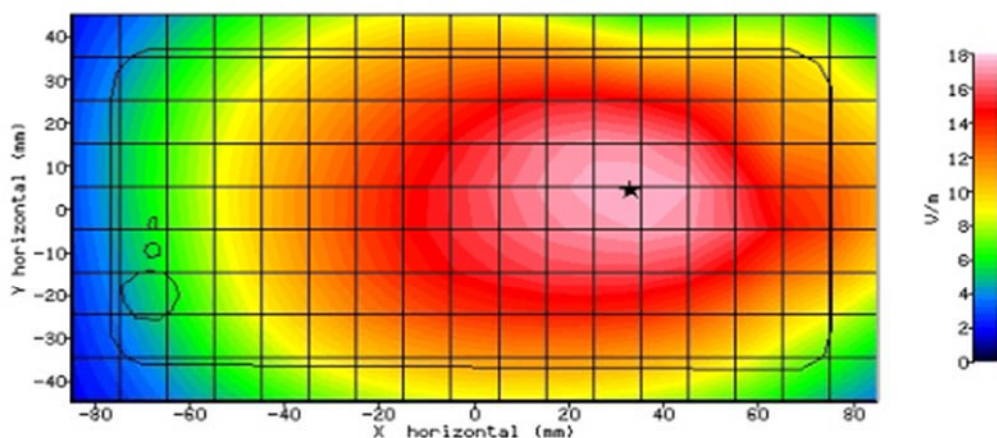


Figure 63: SAR Body Testing Results for the Sharp Smart phone at 710.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-18:20:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	36.60%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-7.10mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	3.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.774
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.191 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.202 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.202 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

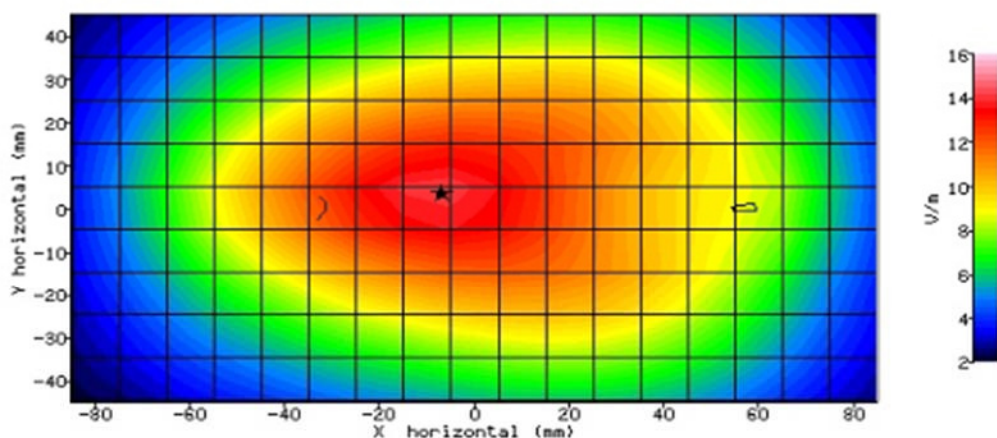


Figure 64: SAR Body Testing Results for the Sharp Smart phone at 710.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-18:38:39	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	36.60%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	1.90mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	7.104
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.056 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.060 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.060 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.900 %

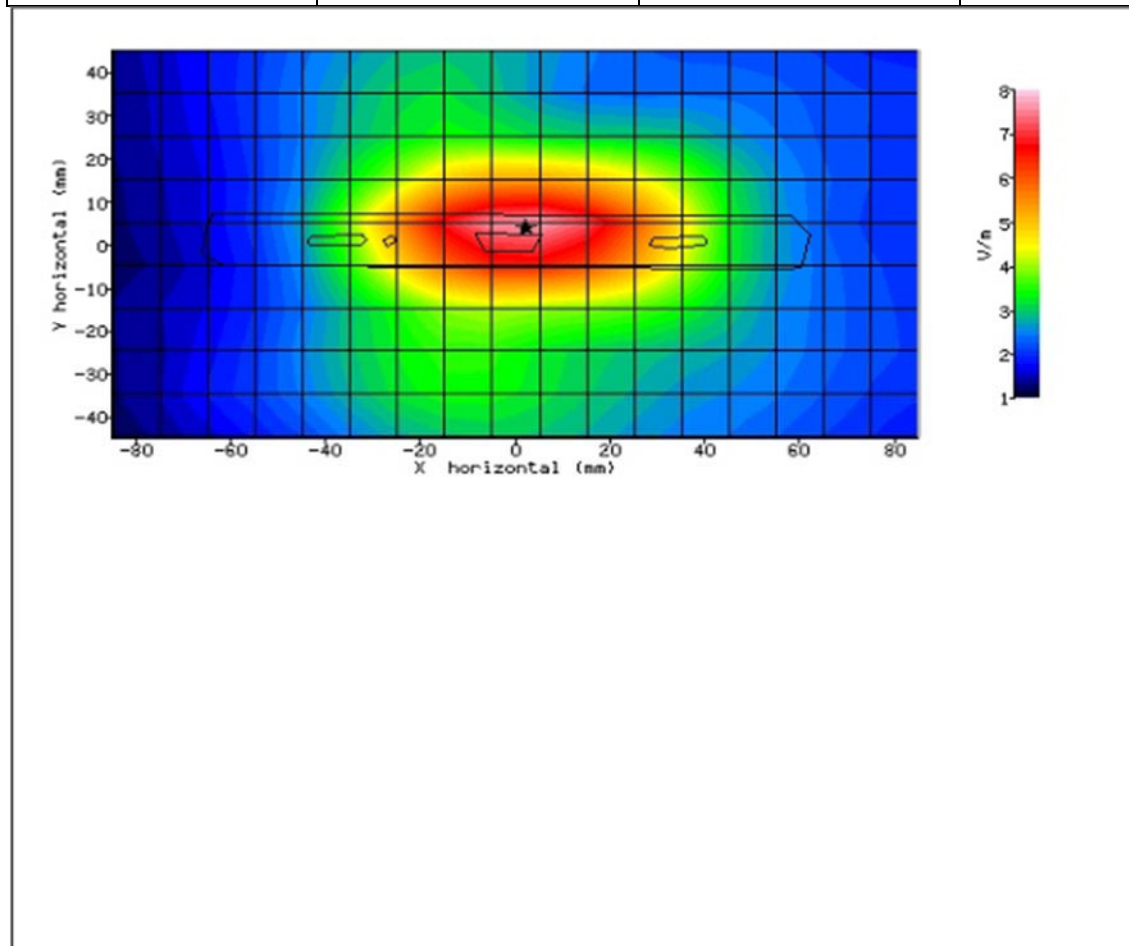


Figure 65: SAR Body Testing Results for the Sharp Smart phone at 710.0MHz.



2.17 LTE BAND 17 HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/04/2016-08:05:32	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	37.70%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	63.90mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-112.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.565
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.211 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.201 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.198 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-1.000 %

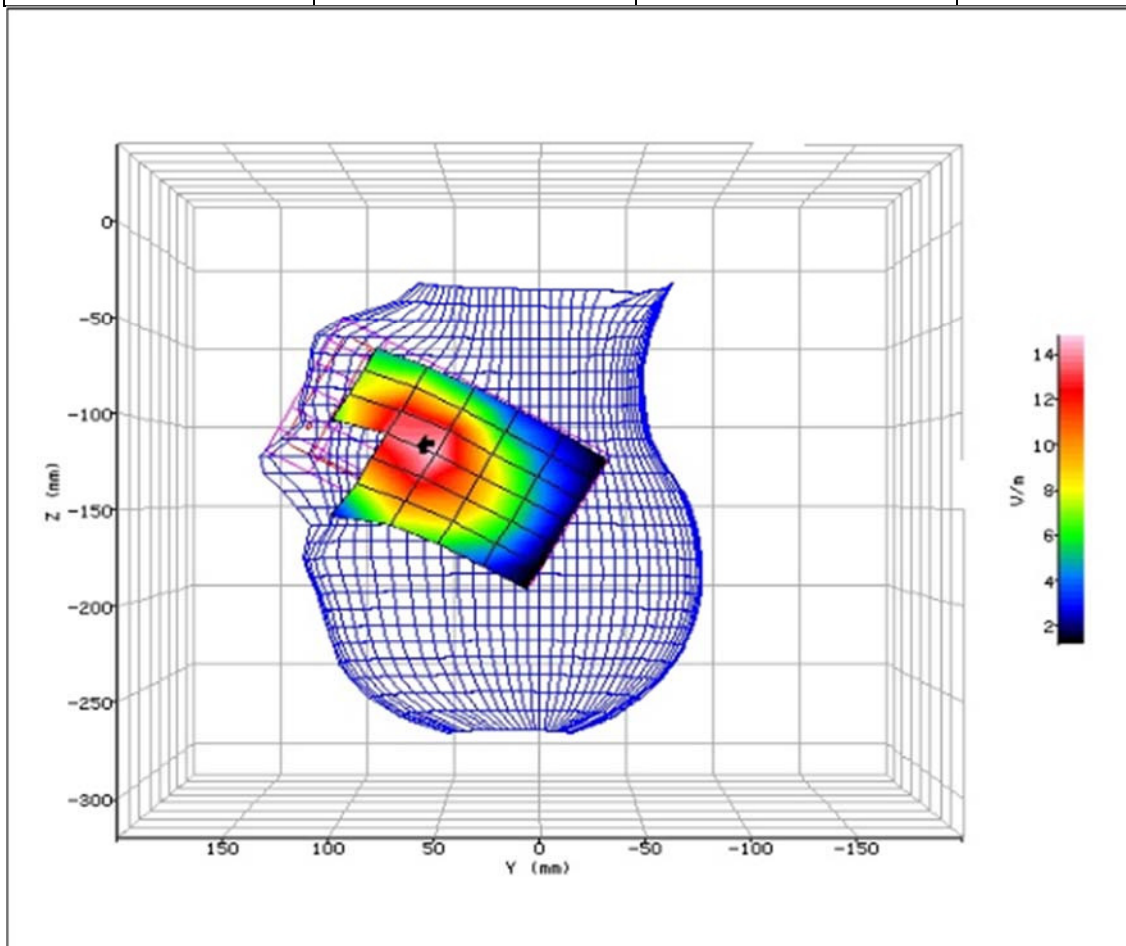


Figure 66: SAR Head Testing Results for the Sharp Smart phone at 711.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/04/2016-08:30:08	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	37.70%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	34.80mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-134.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.357
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.103 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.090 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.093 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	3.600 %

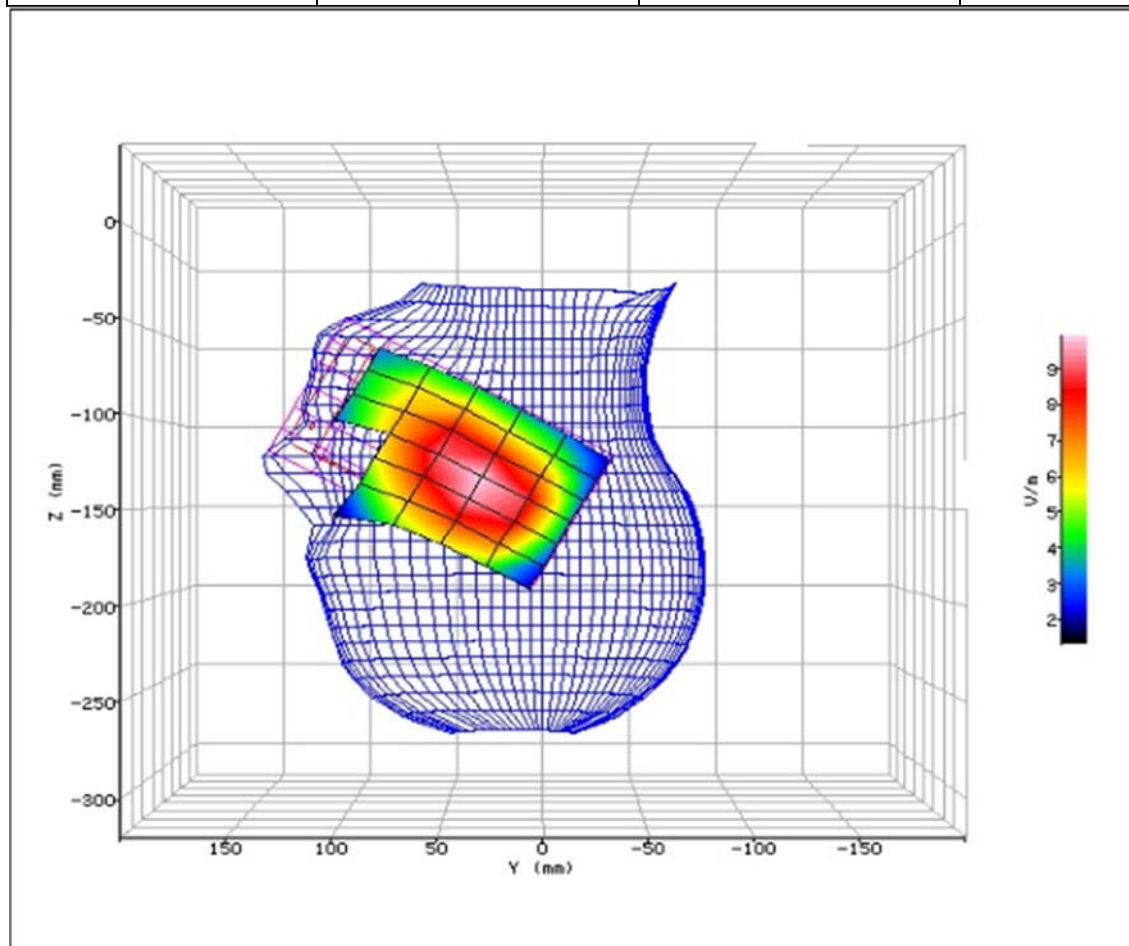


Figure 67: SAR Head Testing Results for the Sharp Smart phone at 711.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-17:14:34	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	37.70%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	63.60mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-112.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.228
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.188 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.220 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.211 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-3.800 %

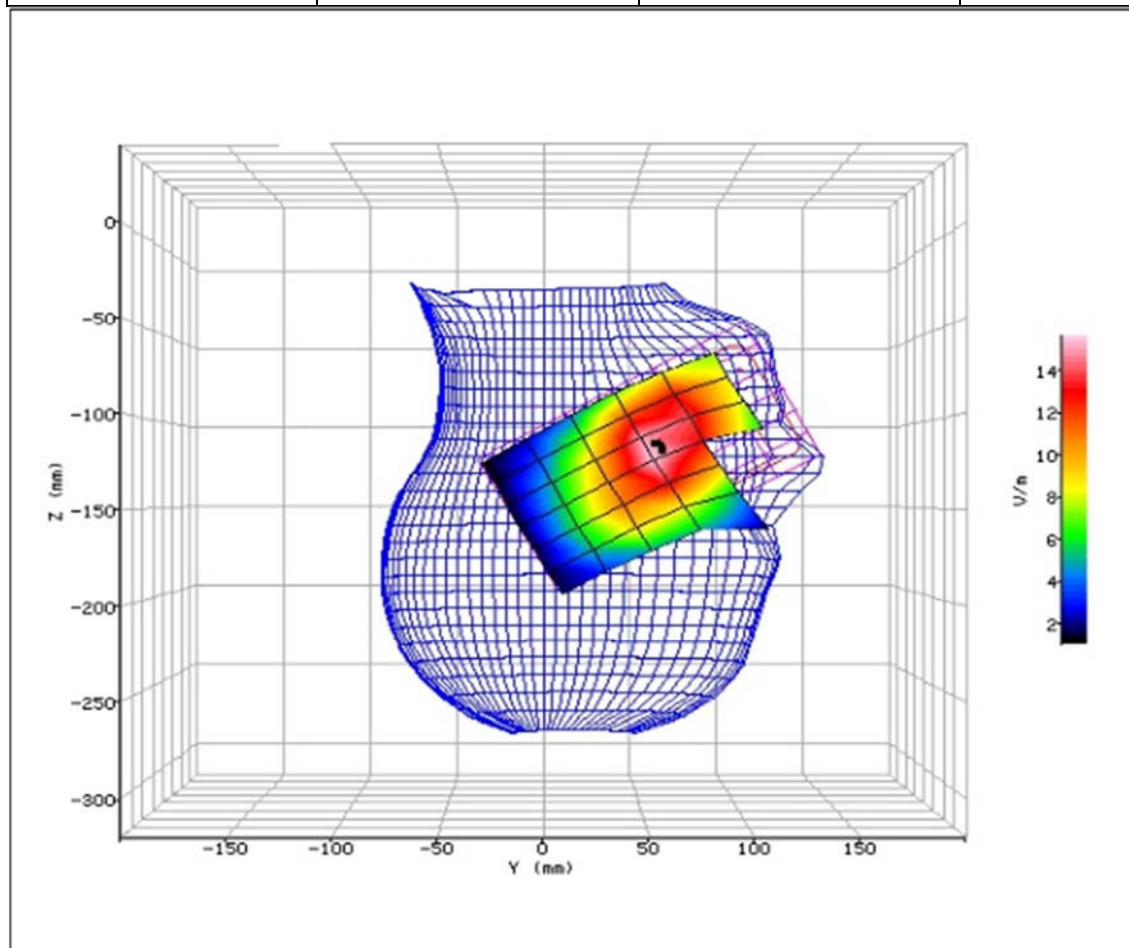


Figure 68: SAR Head Testing Results for the Sharp Smart phone at 711.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-17:39:17	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	37.70%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	41.40mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-138.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	10.569
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.100 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.111 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.110 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

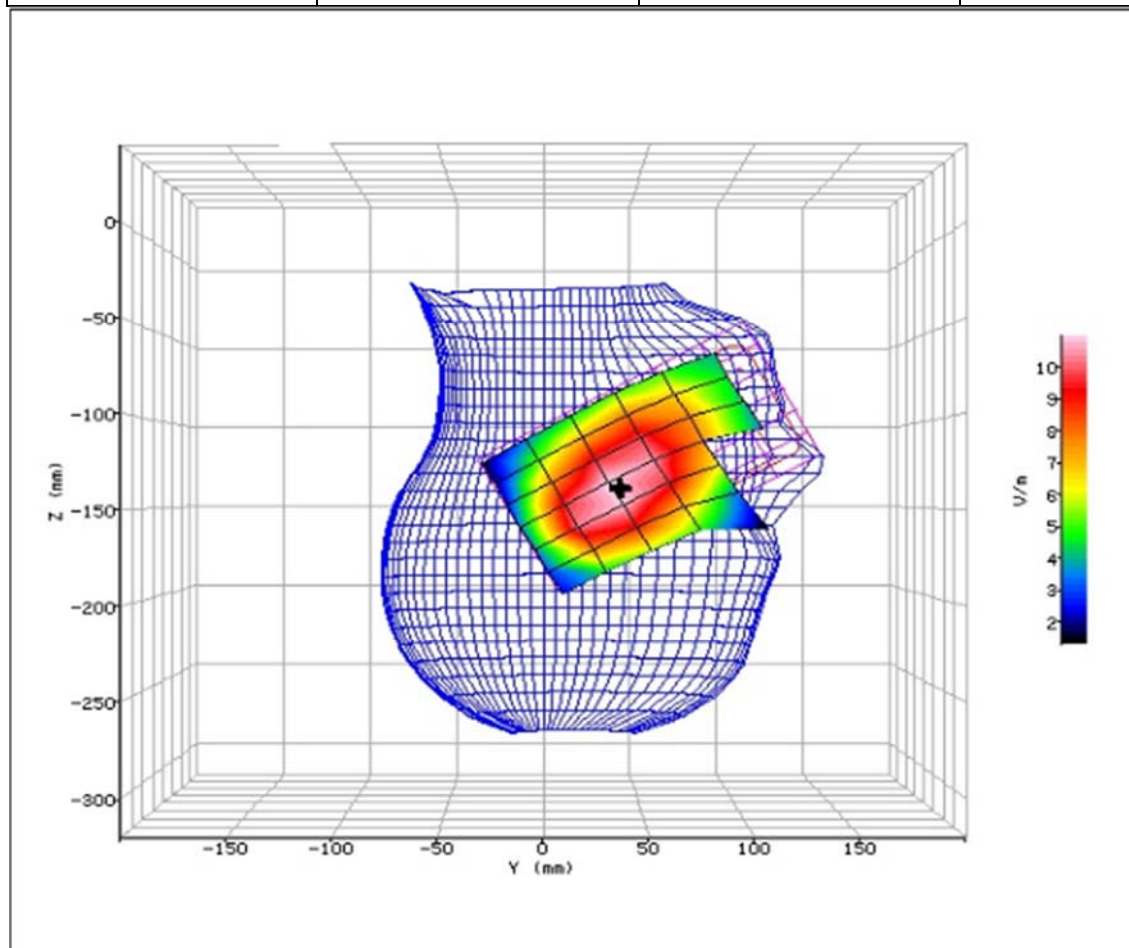


Figure 69: SAR Head Testing Results for the Sharp Smart phone at 711.0MHz.



2.18 LTE BAND 17 BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-09:24:21	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	42.30%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	32.10mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-2.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.053
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.245 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.263 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.261 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	-0.700 %

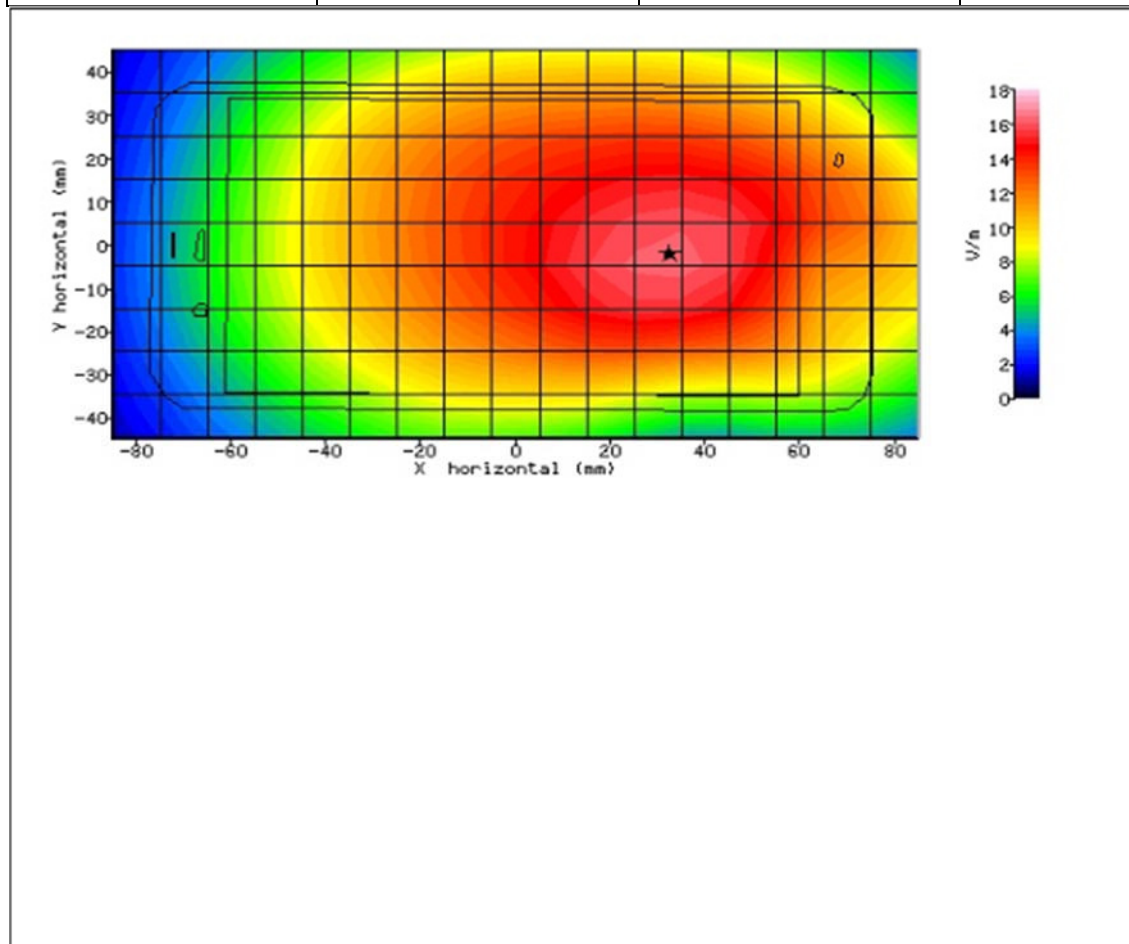


Figure 70: SAR Body Testing Results for the Sharp Smart phone at 711.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-09:43:57	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	42.30%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	34.20mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	1.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.929
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.243 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.260 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.260 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	0.000 %

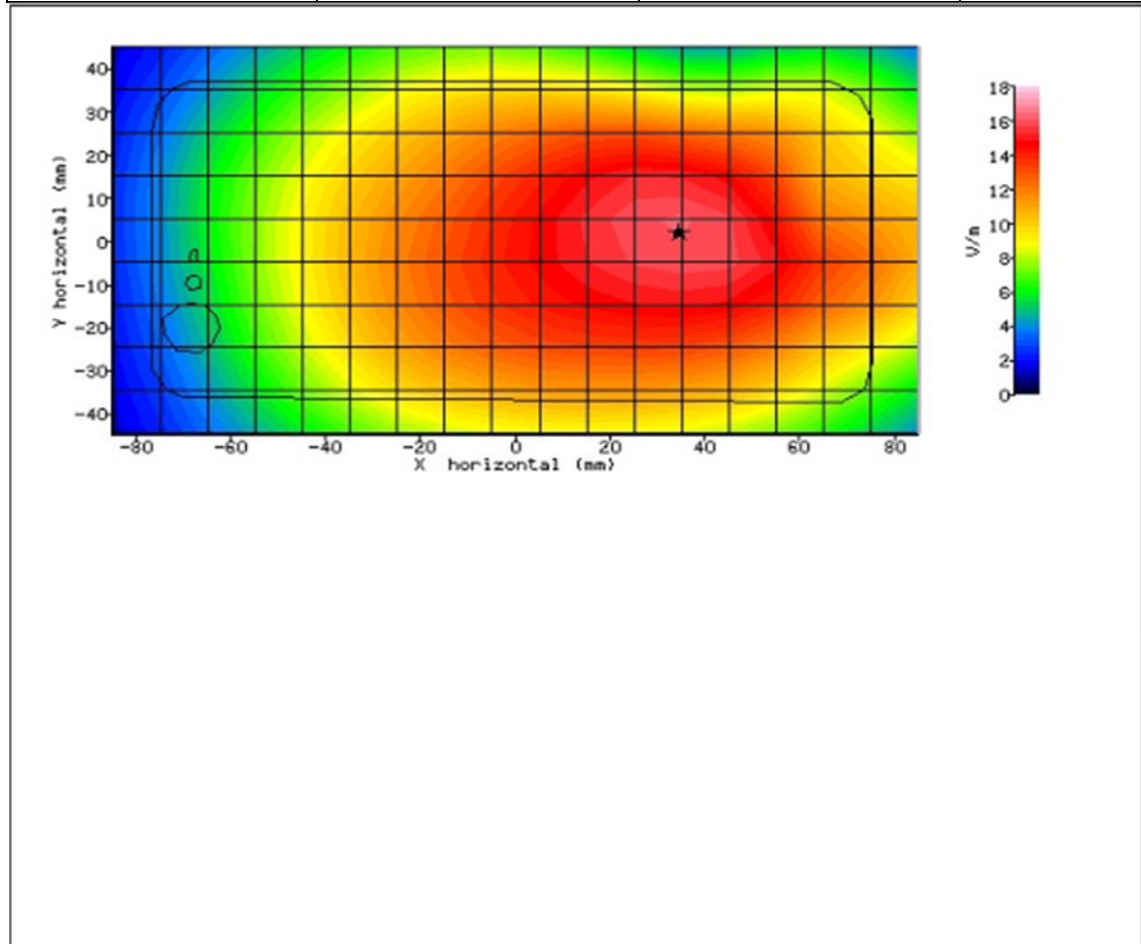


Figure 71: SAR Body Testing Results for the Sharp Smart phone at 711.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-08:45:21	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	42.30%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-5.50mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	-1.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.034
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.144 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.152 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.153 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	1.200 %

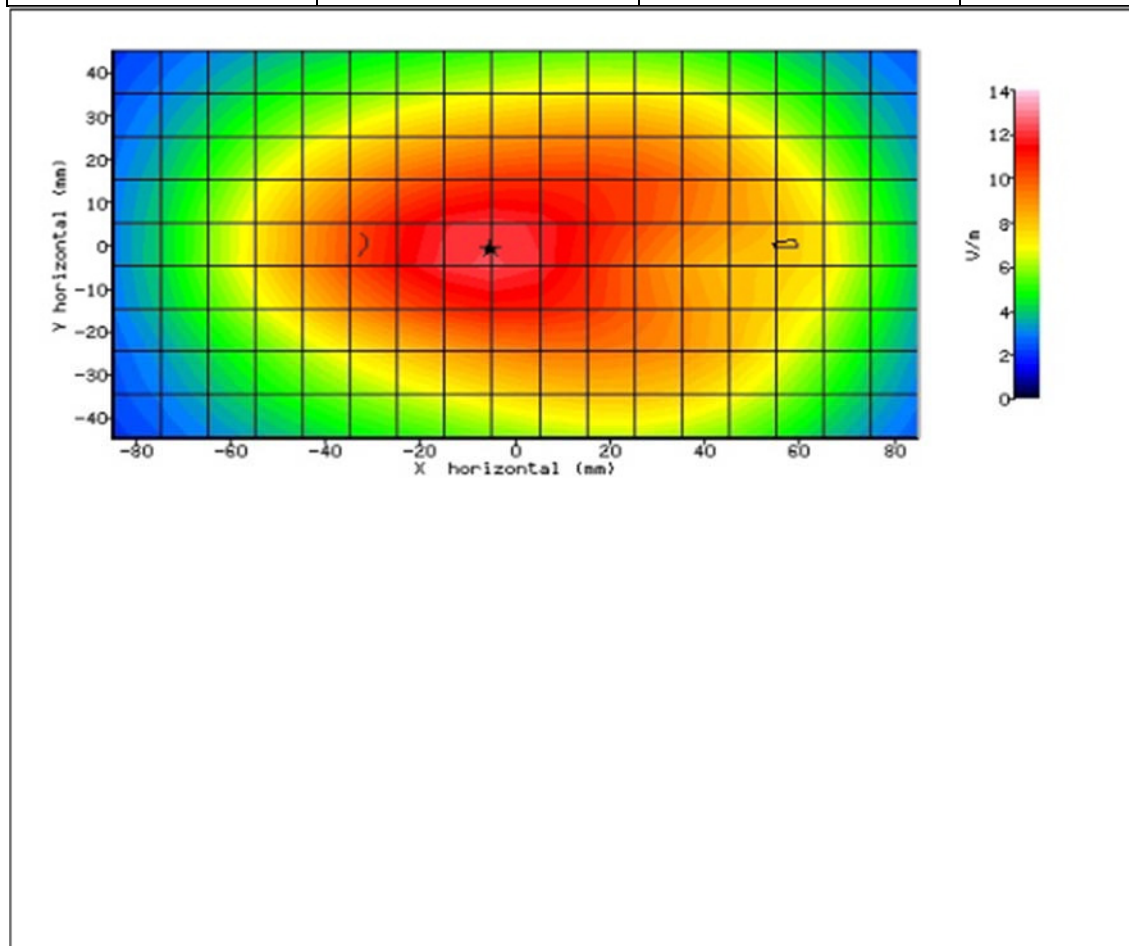


Figure 72: SAR Body Testing Results for the Sharp Smart phone at 711.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-08:25:53	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	700 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	55.17
RELATIVE HUMIDITY:	42.30%	CONDUCTIVITY:	0.999
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	4.70mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	-1.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	6.867
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.053 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.057 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.057 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	-0.300 %

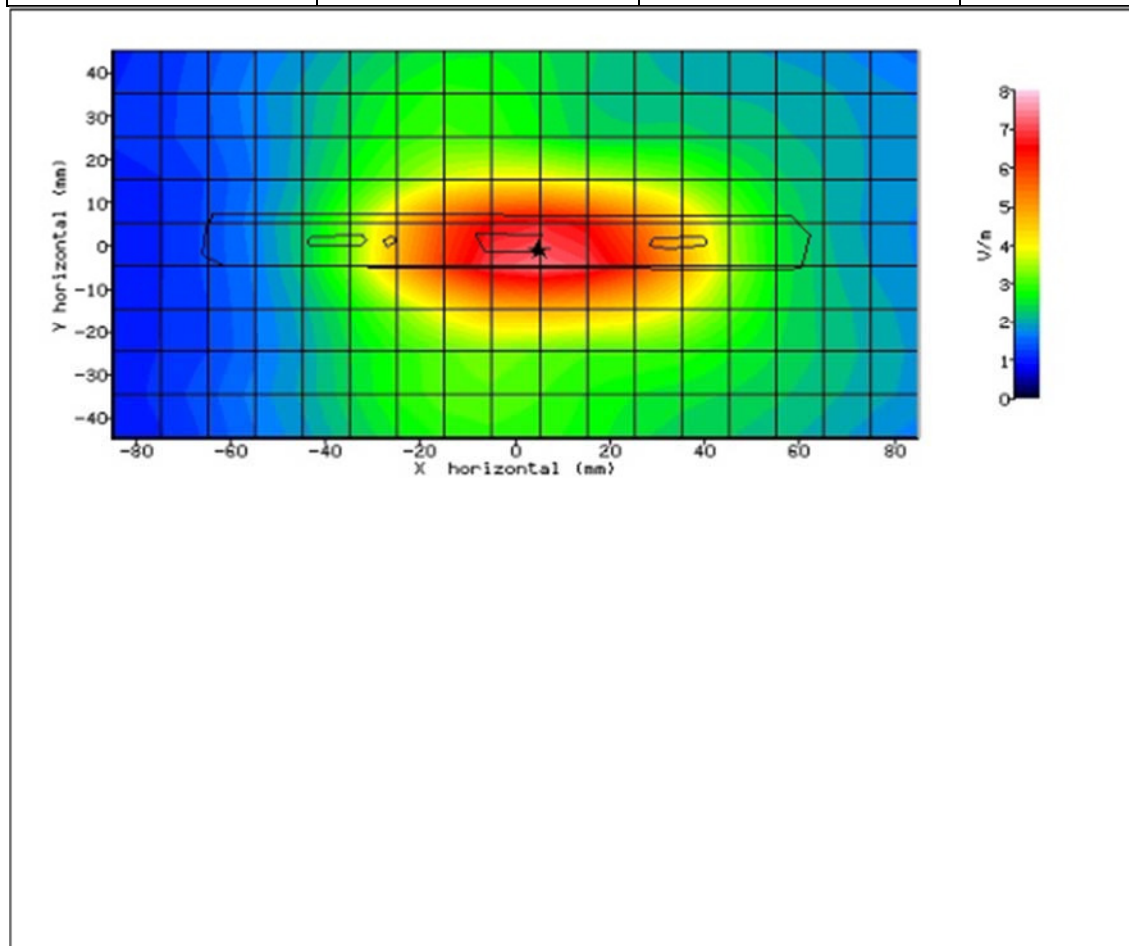


Figure 73: SAR Body Testing Results for the Sharp Smart phone at 711.0MHz.



2.19 GSM 1900MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/03/2016-11:27:42	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	35.20%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	65.90mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-135.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.723
TEST FREQUENCY:	1850.2MHz	SAR 1g:	0.138 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	12.5%	SAR START:	0.145 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.133 W/kg
PROBE BATTERY LAST CHANGED:	24/03/2016	SAR DRIFT DURING SCAN:	-8.800 %

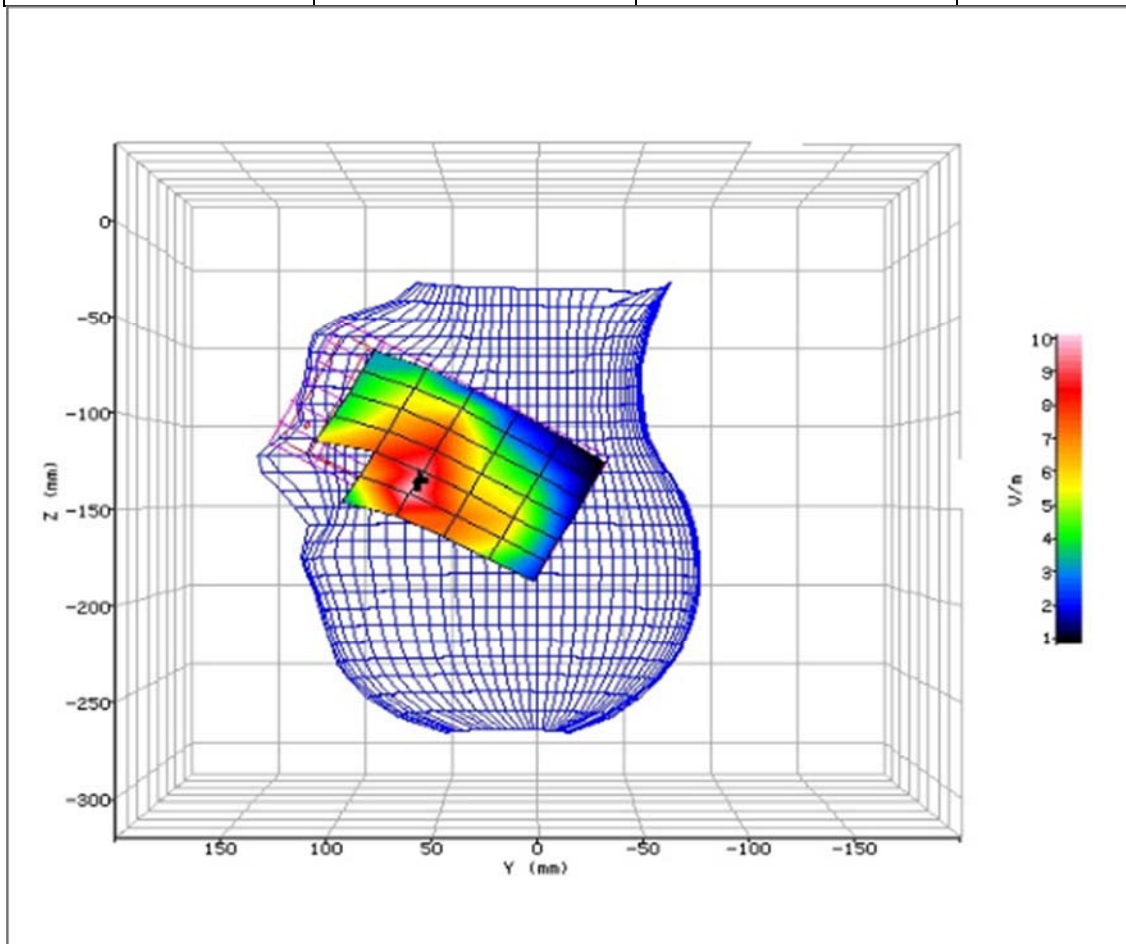


Figure 74: SAR Head Testing Results for the Sharp Smart phone at 1850.2MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/03/2016-11:52:11	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	35.20%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	22.30mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-157.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.112
TEST FREQUENCY:	1850.2MHz	SAR 1g:	0.157 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	12.5%	SAR START:	0.153 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.155 W/kg
PROBE BATTERY LAST CHANGED:	24/03/2016	SAR DRIFT DURING SCAN:	1.100 %

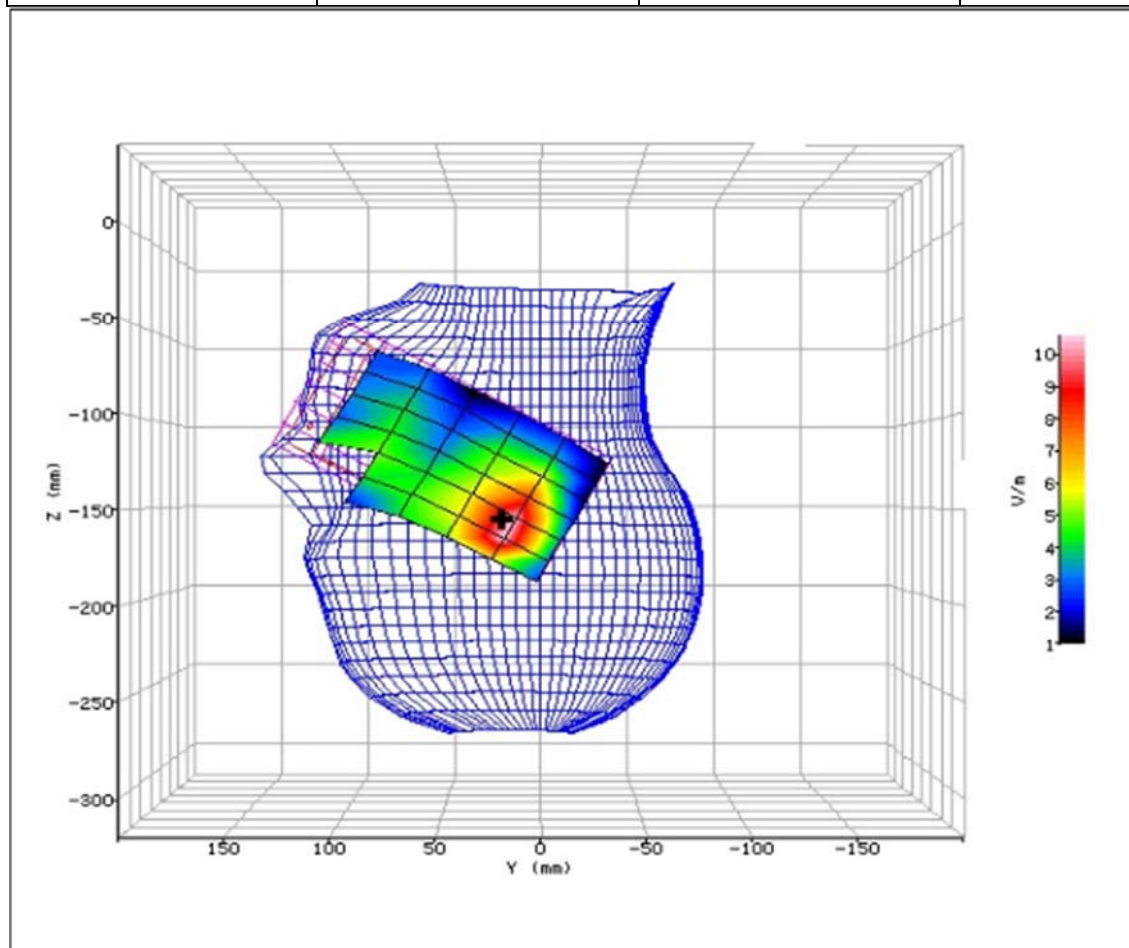


Figure 75: SAR Head Testing Results for the Sharp Smart phone at 1850.2MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/03/2016-13:40:48	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	35.20%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	59.10mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-98.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.217
TEST FREQUENCY:	1850.2MHz	SAR 1g:	0.290 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	12.5%	SAR START:	0.296 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.295 W/kg
PROBE BATTERY LAST CHANGED:	24/03/2016	SAR DRIFT DURING SCAN:	-0.300 %

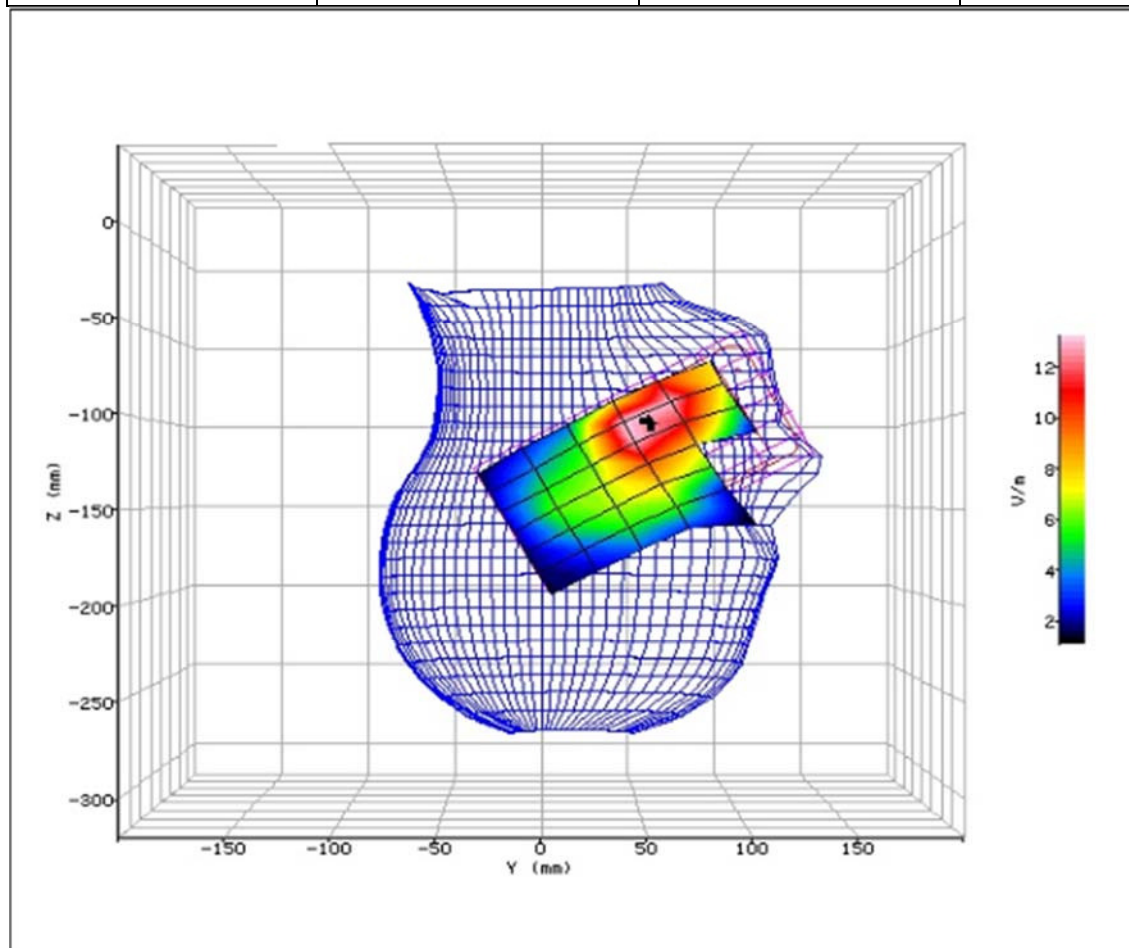


Figure 76: SAR Head Testing Results for the Sharp Smart phone at 1850.2MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/03/2016-14:07:26	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	35.20%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	12.30mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-11.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	7.677
TEST FREQUENCY:	1850.2MHz	SAR 1g:	0.136 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	12.5%	SAR START:	0.124 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.125 W/kg
PROBE BATTERY LAST CHANGED:	24/03/2016	SAR DRIFT DURING SCAN:	1.000 %

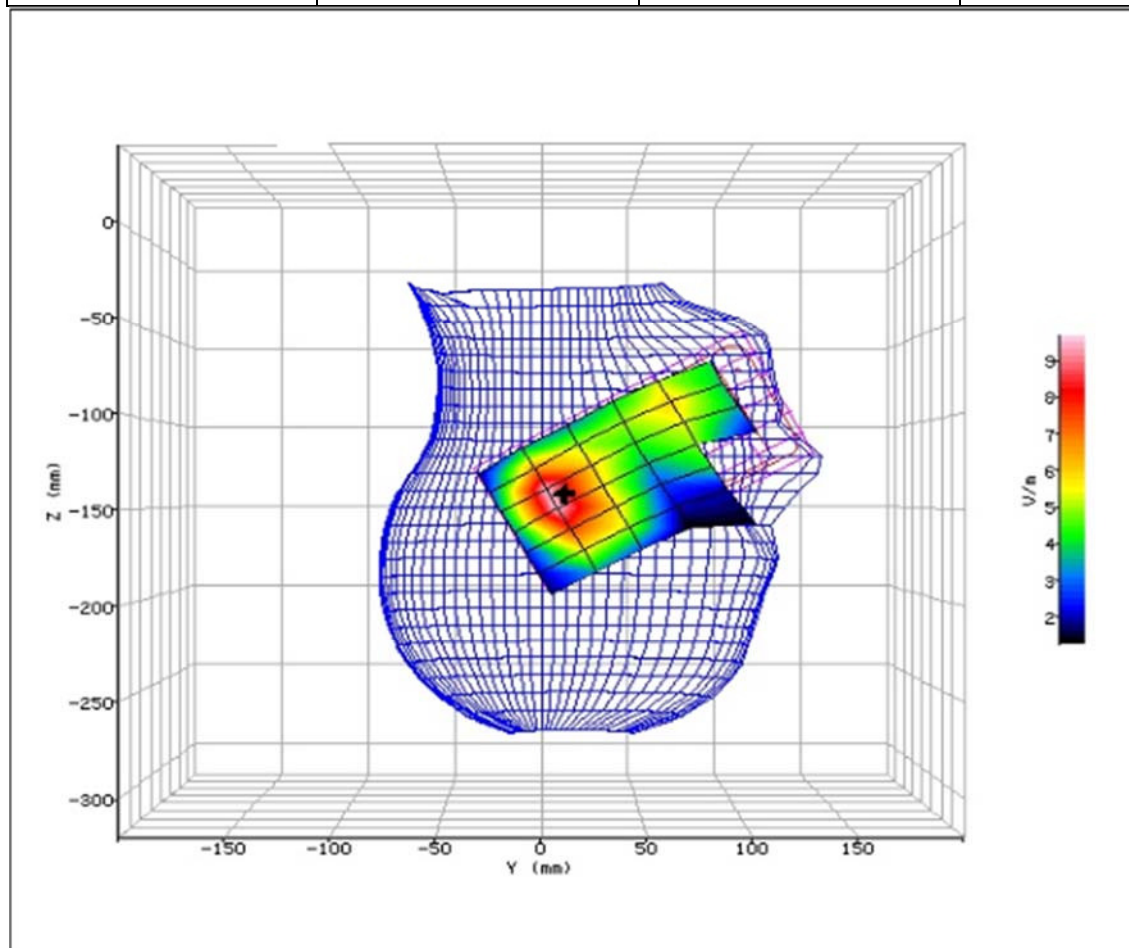


Figure 77: SAR Head Testing Results for the Sharp Smart phone at 1850.2MHz.



2.20 GSM 1900MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	31/03/2016-12:28:33	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	25.80%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	66.10mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-129.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	10.001
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.196 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.185 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.171 W/kg
PROBE BATTERY LAST CHANGED:	31/03/2016	SAR DRIFT DURING SCAN:	-7.600 %

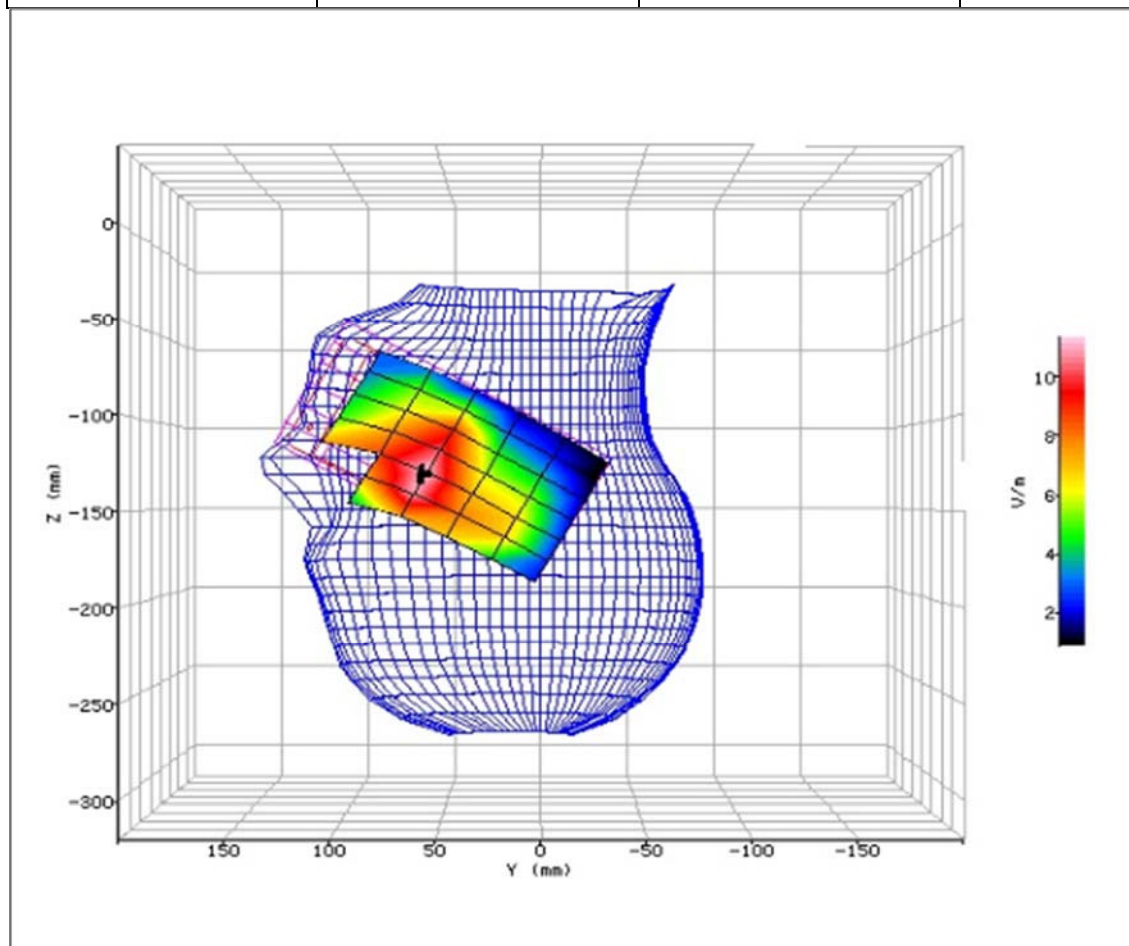


Figure 78: SAR Head Testing Results for the Sharp Smart phone at 1909.8MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	31/03/2016-12:52:42	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	25.80%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	21.80mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-158.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.391
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.204 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.184 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.168 W/kg
PROBE BATTERY LAST CHANGED:	31/03/2016	SAR DRIFT DURING SCAN:	-9.000 %

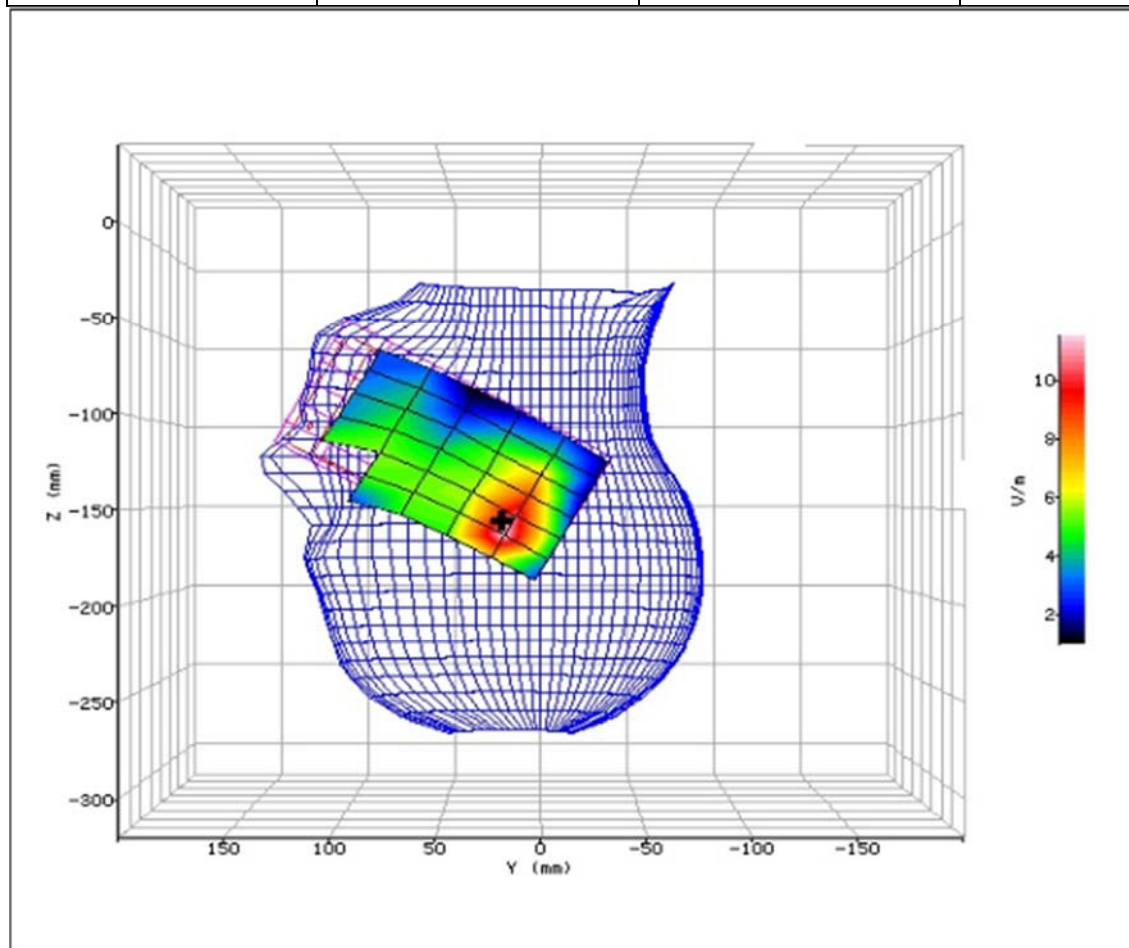


Figure 79: SAR Head Testing Results for the Sharp Smart phone at 1909.8MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	31/03/2016-13:56:06	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	25.80%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	61.30mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-100.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.374
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.386 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.390 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.386 W/kg
PROBE BATTERY LAST CHANGED:	31/03/2016	SAR DRIFT DURING SCAN:	-1.000 %

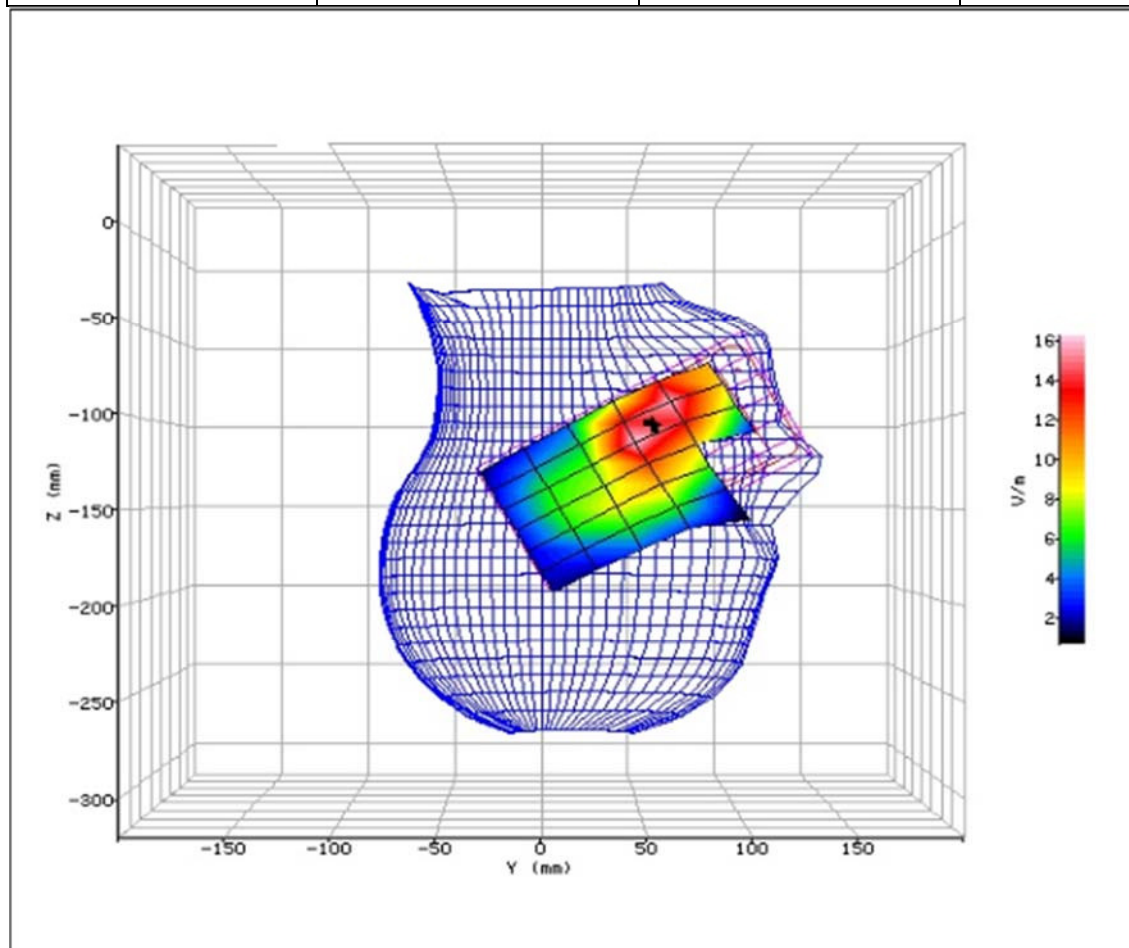


Figure 80: SAR Head Testing Results for the Sharp Smart phone at 1909.8MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	31/03/2016-14:21:41	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	39.93
RELATIVE HUMIDITY:	25.80%	CONDUCTIVITY:	1.447
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	17.40mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-146.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.579
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.170 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.157 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.150 W/kg
PROBE BATTERY LAST CHANGED:	31/03/2016	SAR DRIFT DURING SCAN:	-4.500 %

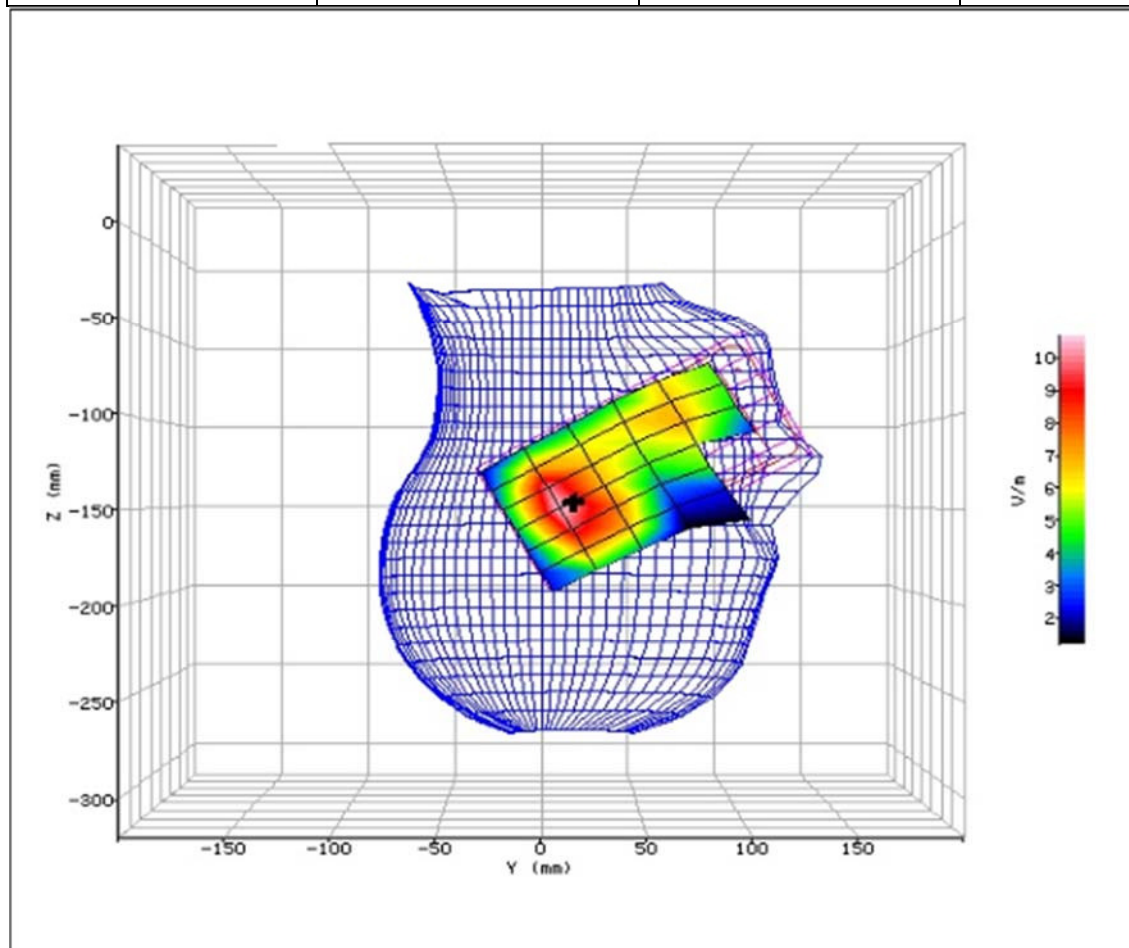


Figure 81: SAR Head Testing Results for the Sharp Smart phone at 1909.8MHz.



Product Service

2.21 GSM 1900MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-11:49:54	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	1900Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.44
RELATIVE HUMIDITY:	36.30%	CONDUCTIVITY:	1.587
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	62.20mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	14.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.814
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.373 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.398 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.377 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	-5.300 %

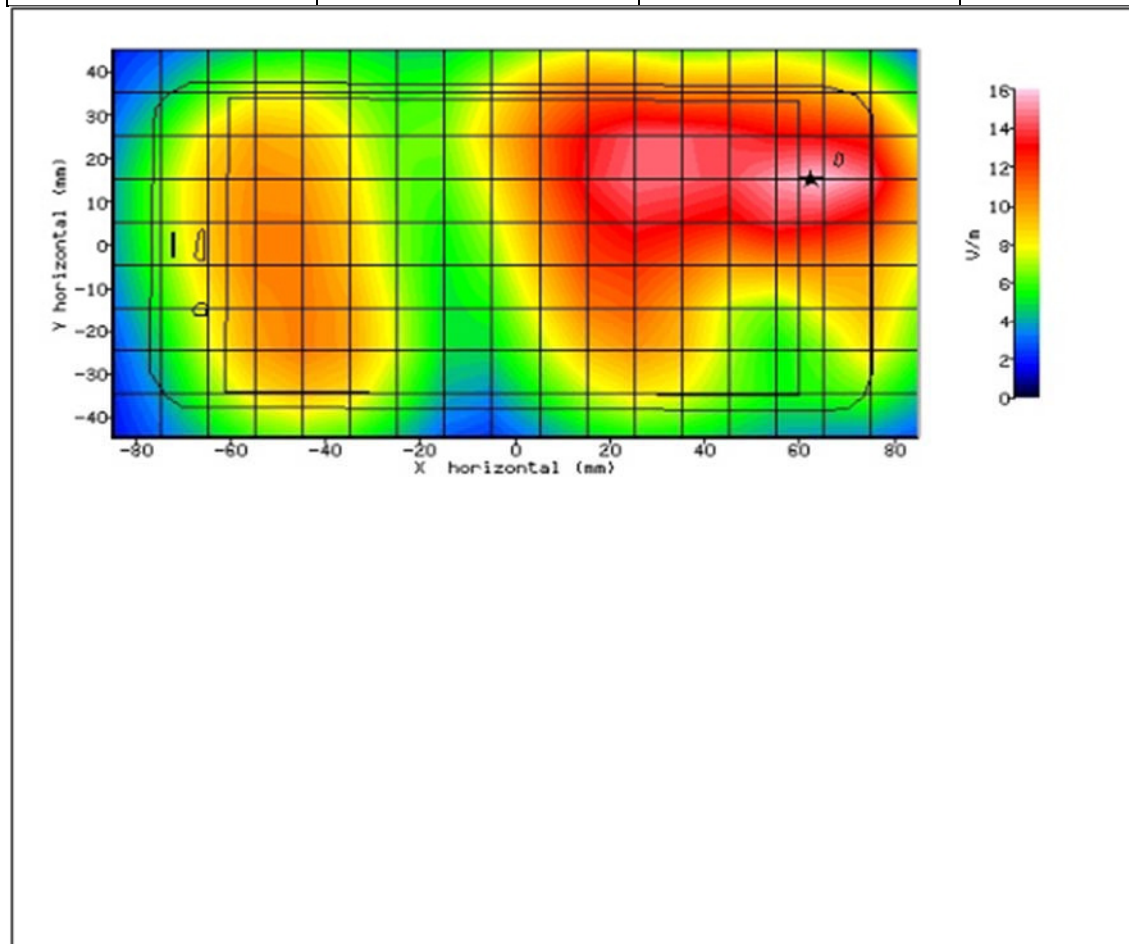


Figure 82: SAR Body Testing Results for the Sharp Smart phone at 1909.8MHz.



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-12:10:06	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	1900Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.44
RELATIVE HUMIDITY:	36.30%	CONDUCTIVITY:	1.587
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	61.20mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-13.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.722
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.330 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.360 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.359 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	-0.300 %

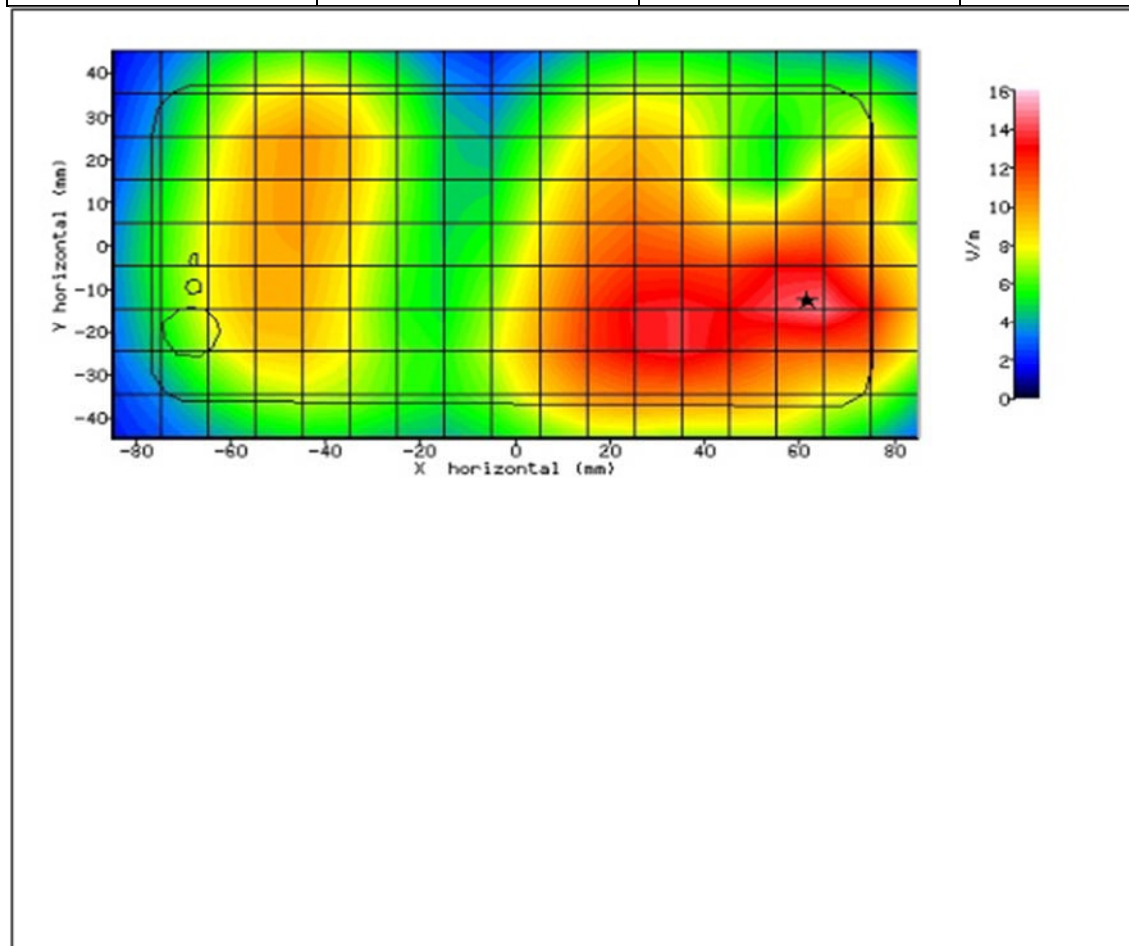


Figure 83: SAR Body Testing Results for the Sharp Smart phone at 1909.8MHz.



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-13:06:25	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	1900Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.44
RELATIVE HUMIDITY:	36.30%	CONDUCTIVITY:	1.587
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	42.70mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-1.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.999
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.294 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.299 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.307 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	2.700 %

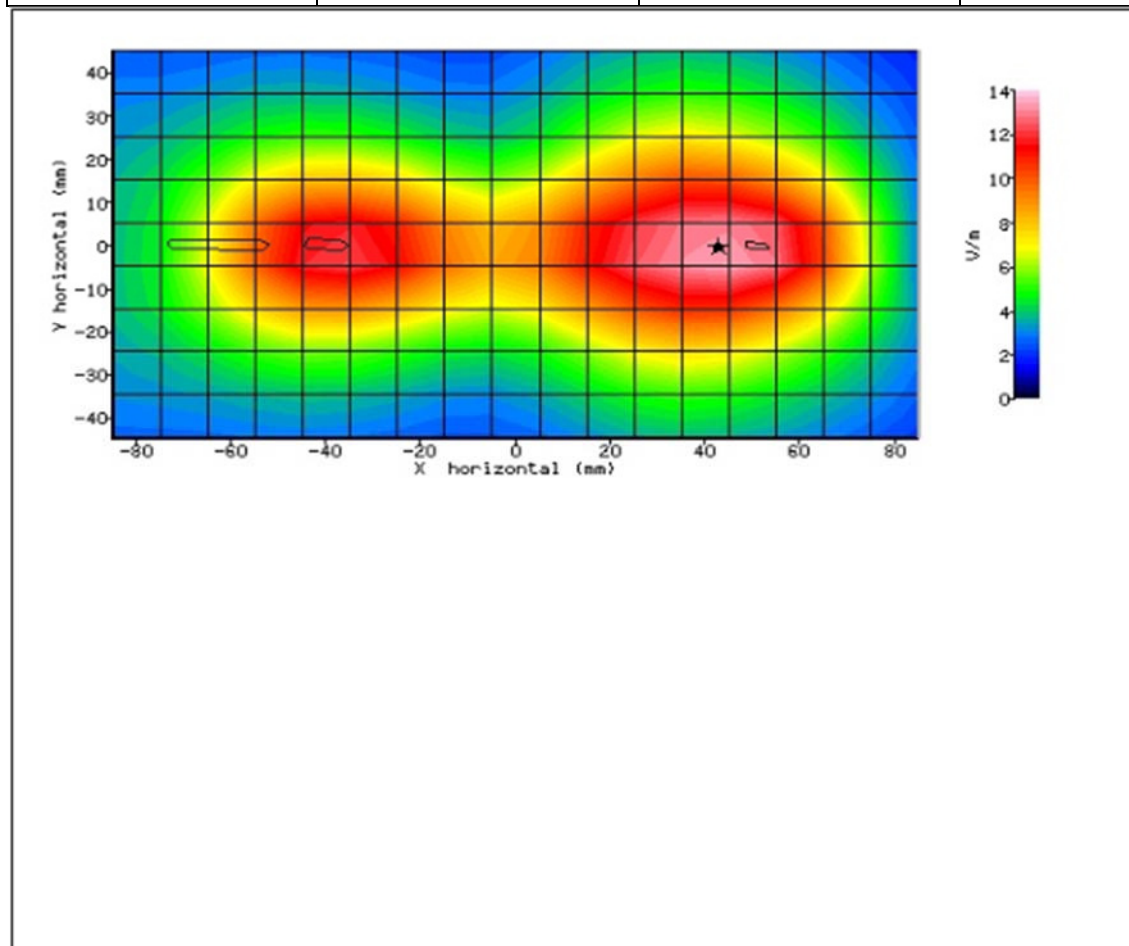


Figure 84: SAR Body Testing Results for the Sharp Smart phone at 1909.8MHz.



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-13:26:33	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	1900Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.44
RELATIVE HUMIDITY:	36.30%	CONDUCTIVITY:	1.587
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	11.10mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	-0.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	11.420
TEST FREQUENCY:	1909.8MHz	SAR 1g:	0.242 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	25%	SAR START:	0.250 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.243 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	-2.500 %

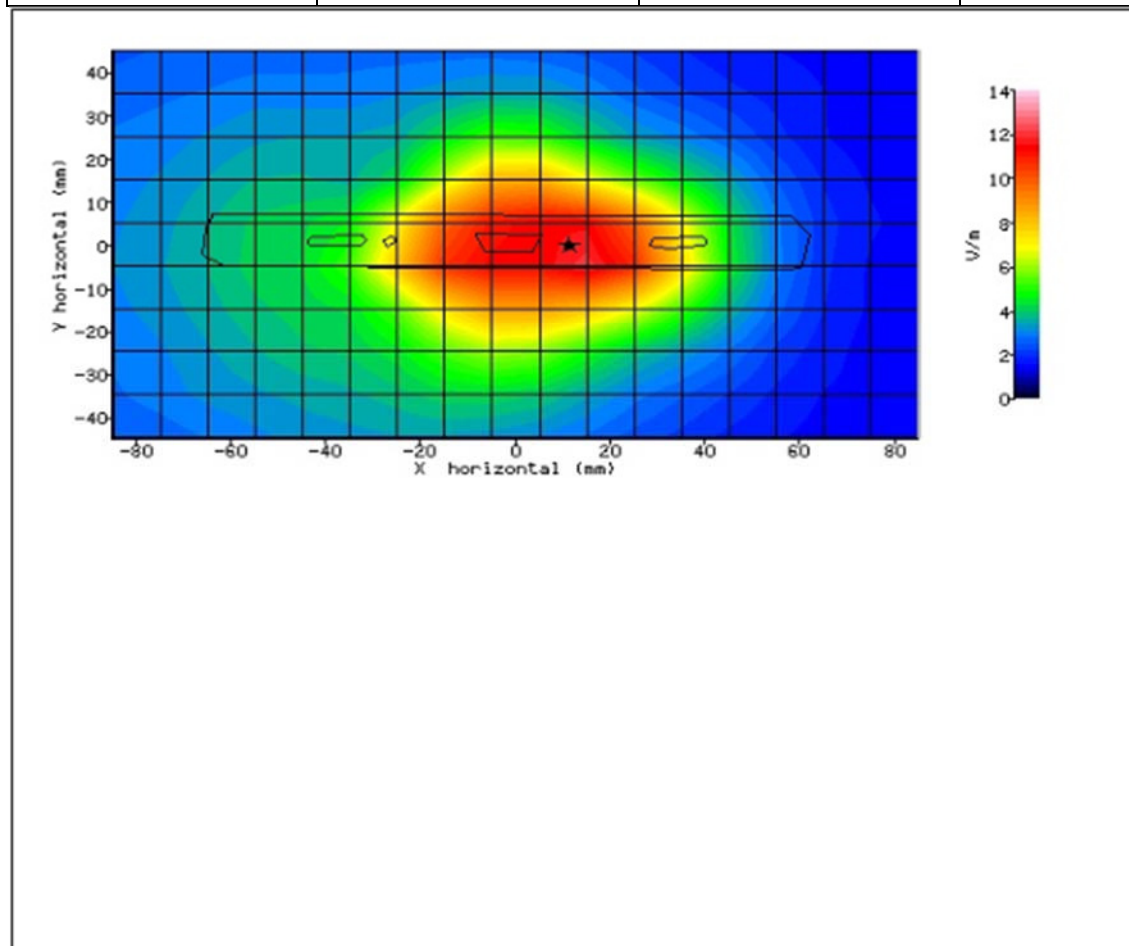


Figure 85: SAR Body Testing Results for the Sharp Smart phone at 1909.8MHz.



2.22 LTE BAND 38 HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/04/2016-12:04:07	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2600 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	38.26
RELATIVE HUMIDITY:	38.90%	CONDUCTIVITY:	1.996
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	67.40mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-142.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.619
TEST FREQUENCY:	2595.0MHz	SAR 1g:	0.033 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.033 W/kg
INPUT POWER LEVEL:	24.7dBm	SAR END:	0.033 W/kg
PROBE BATTERY LAST CHANGED:	12/04/2016	SAR DRIFT DURING SCAN:	1.100 %

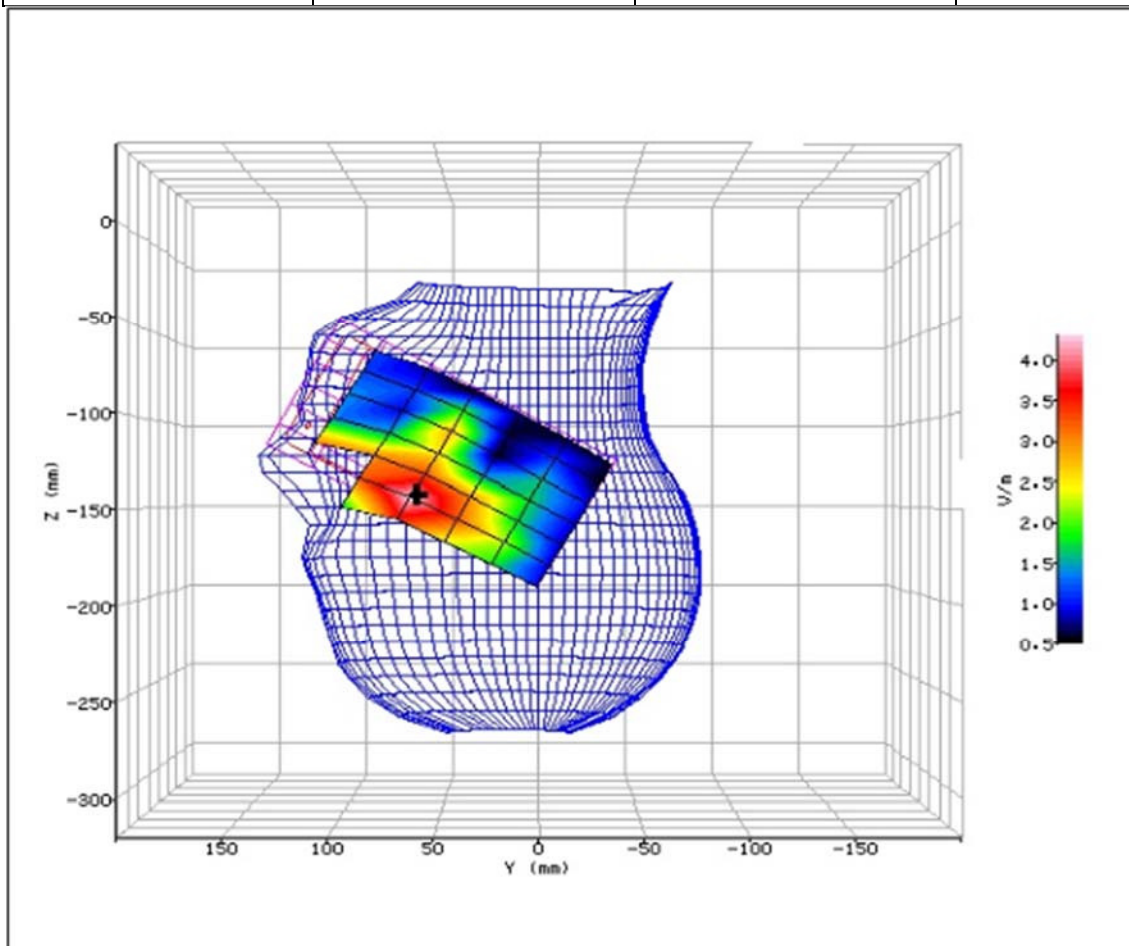


Figure 86: SAR Head Testing Results for the Sharp Smart phone at 2595.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/04/2016-12:27:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2600 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	38.26
RELATIVE HUMIDITY:	38.90%	CONDUCTIVITY:	1.996
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	28.00mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-166.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.902
TEST FREQUENCY:	2595.0MHz	SAR 1g:	0.031 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.024 W/kg
INPUT POWER LEVEL:	24.7dBm	SAR END:	0.025 W/kg
PROBE BATTERY LAST CHANGED:	12/04/2016	SAR DRIFT DURING SCAN:	3.500 %

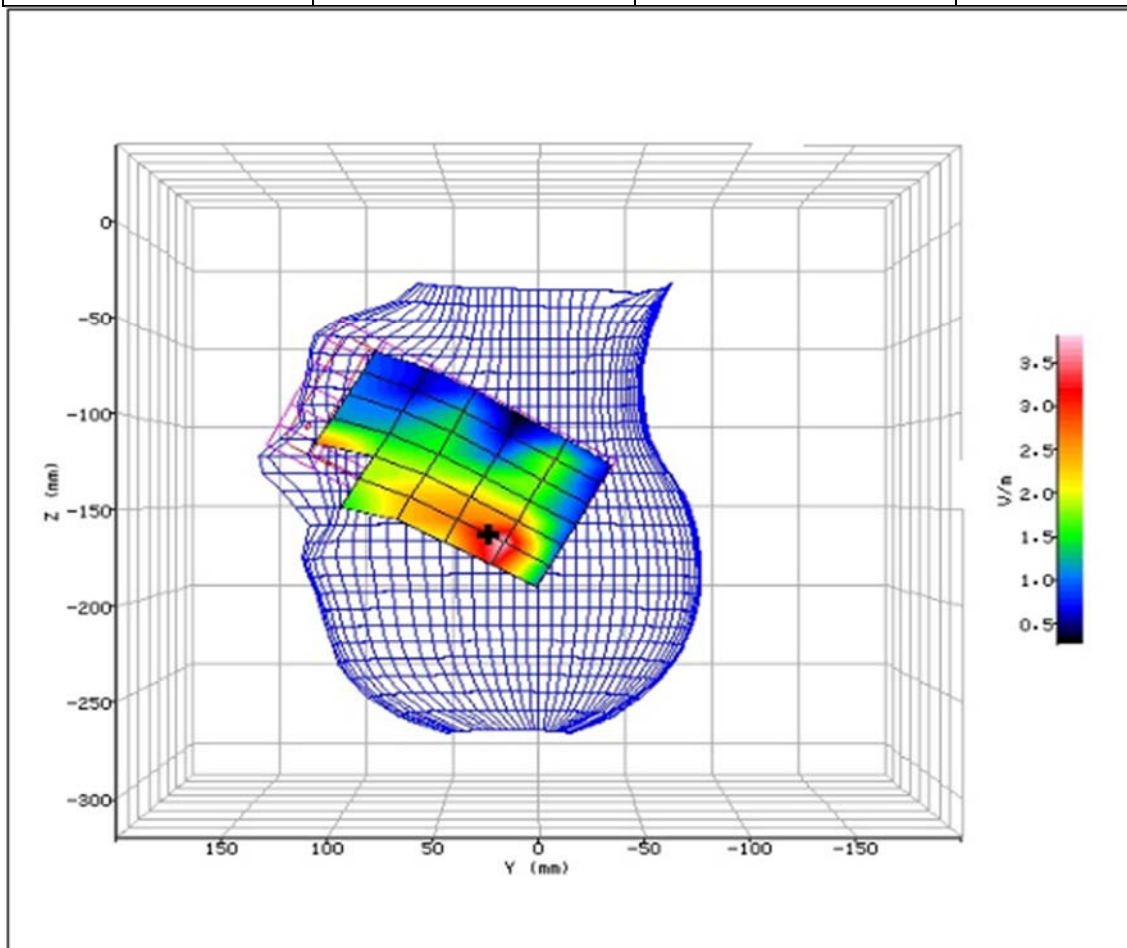


Figure 87: SAR Head Testing Results for the Sharp Smart phone at 2595.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/04/2016-15:12:36	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2600 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	38.26
RELATIVE HUMIDITY:	38.90%	CONDUCTIVITY:	1.996
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	58.80mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-91.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.865
TEST FREQUENCY:	2595.0MHz	SAR 1g:	0.032 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.026 W/kg
INPUT POWER LEVEL:	24.7dBm	SAR END:	0.027 W/kg
PROBE BATTERY LAST CHANGED:	12/04/2016	SAR DRIFT DURING SCAN:	0.500 %

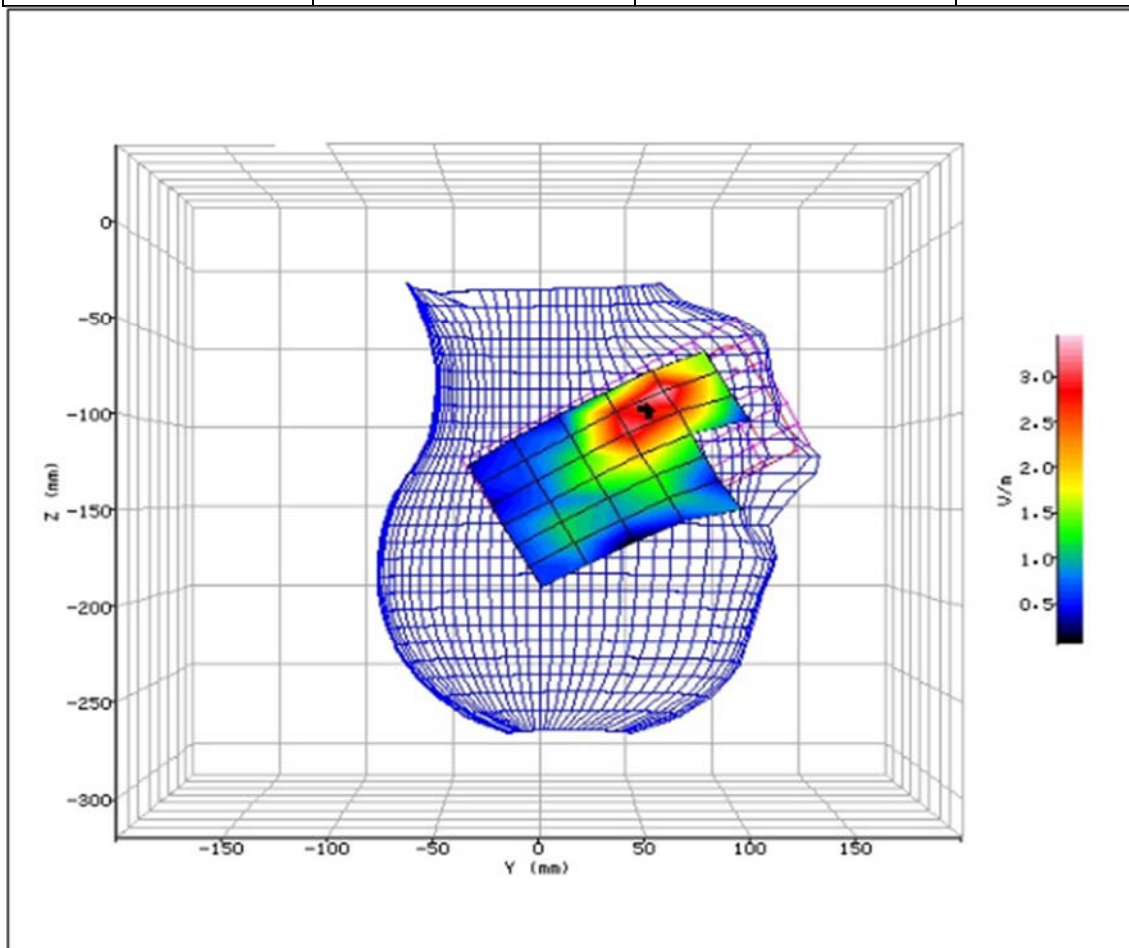


Figure 88: SAR Head Testing Results for the Sharp Smart phone at 2595.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/04/2016-15:37:47	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2600 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	38.26
RELATIVE HUMIDITY:	38.90%	CONDUCTIVITY:	1.996
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	51.30mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-93.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	1.469
TEST FREQUENCY:	2595.0MHz	SAR 1g:	0.006 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.005 W/kg
INPUT POWER LEVEL:	24.7dBm	SAR END:	0.005 W/kg
PROBE BATTERY LAST CHANGED:	12/04/2016	SAR DRIFT DURING SCAN:	0.000 %

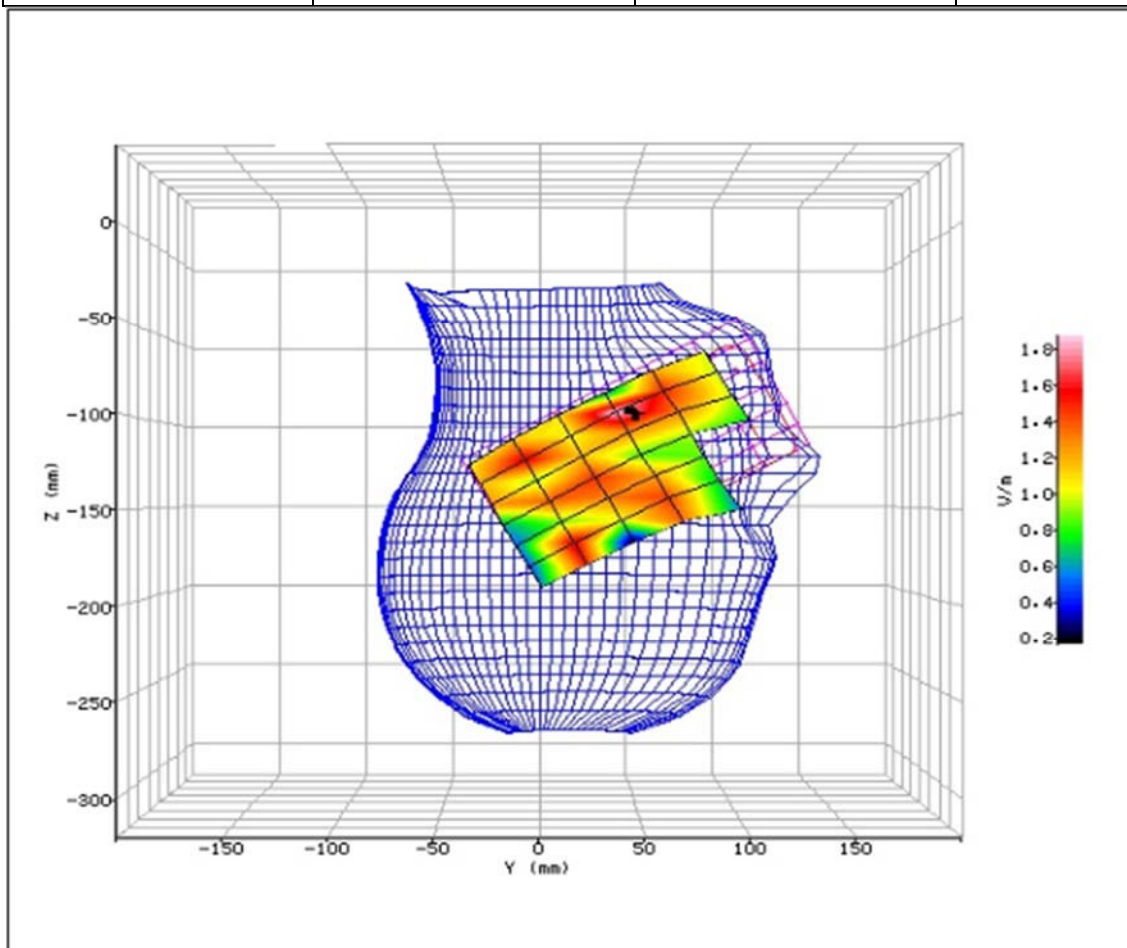


Figure 89: SAR Head Testing Results for the Sharp Smart phone at 2595.0MHz.



2.23 LTE BAND 38 BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	15/04/2016-15:06:03	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	51.73
RELATIVE HUMIDITY:	26.20%	CONDUCTIVITY:	2.413
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	53.60mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	22.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.035
TEST FREQUENCY:	2595.0MHz	SAR 1g:	0.023 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.024 W/kg
INPUT POWER LEVEL:	24.7dBm	SAR END:	0.024 W/kg
PROBE BATTERY LAST CHANGED:	15/04/2016	SAR DRIFT DURING SCAN:	-0.500 %

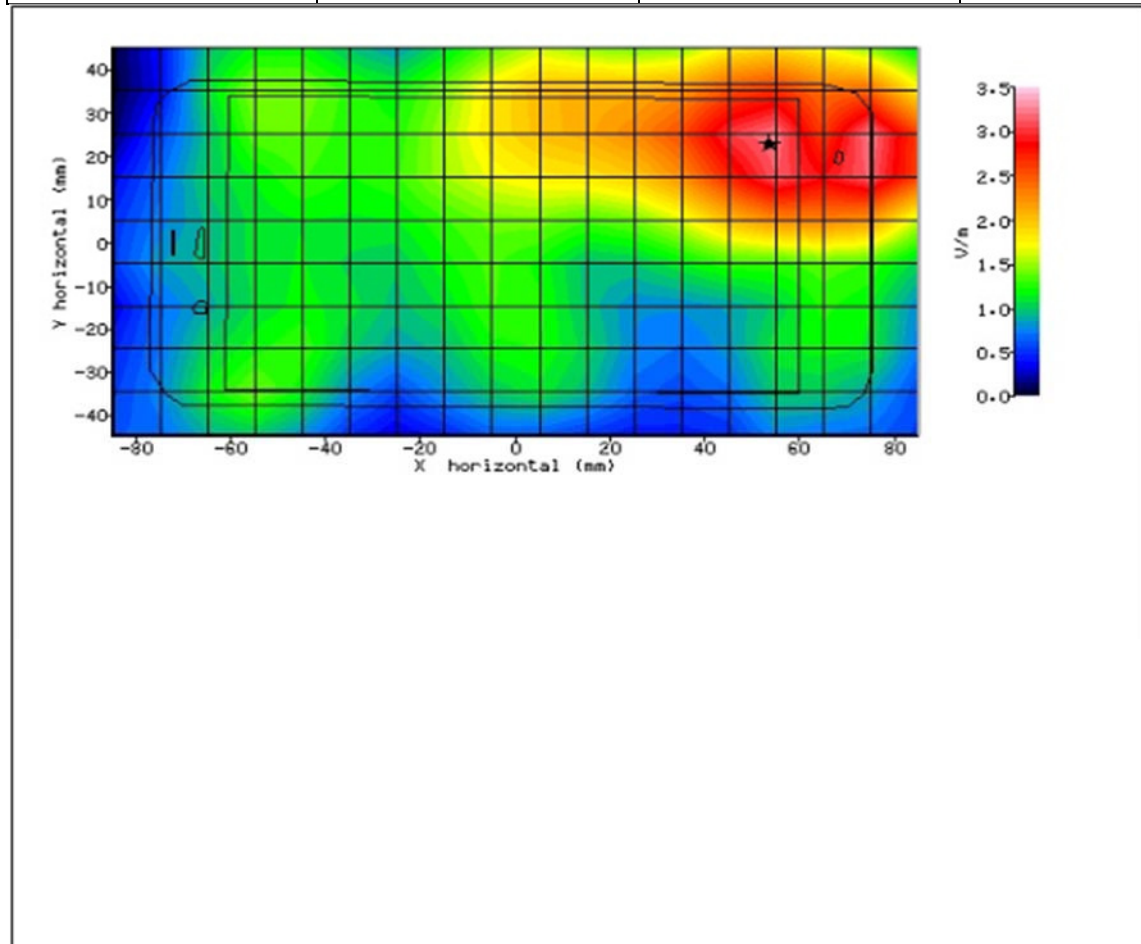


Figure 90: SAR Body Testing Results for the Sharp Smart phone at 2595.0MHz.