



2.9 LTE BAND 5 HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-11:32:18	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	40.53
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.879
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.40°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	61.00mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-105.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.332
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.343 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.347 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.345 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	-0.600 %

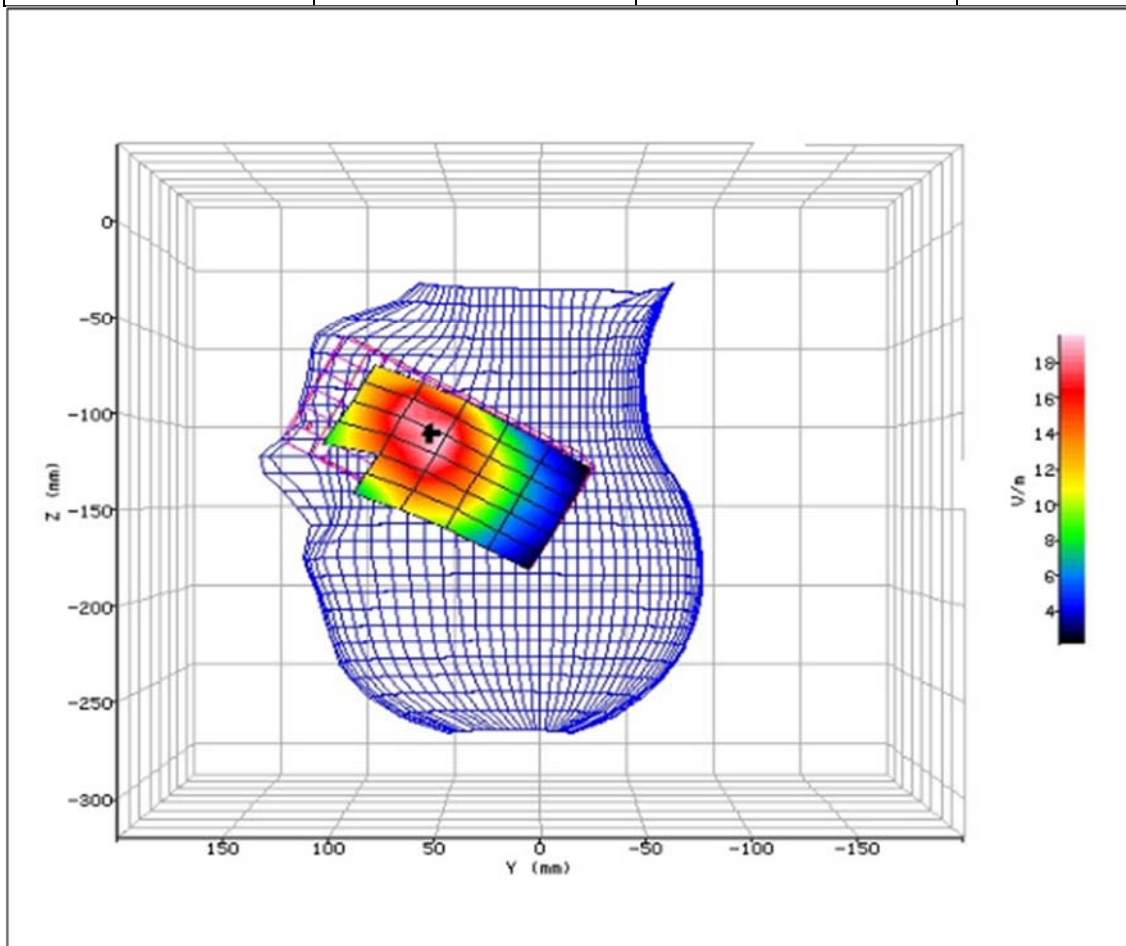


Figure 34: SAR Head Testing Results for the Sharp Smart phone at 829.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-11:58:15	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	40.53
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.879
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.40°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	49.50mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-117.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	11.749
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.141 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.138 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.139 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	1.100 %

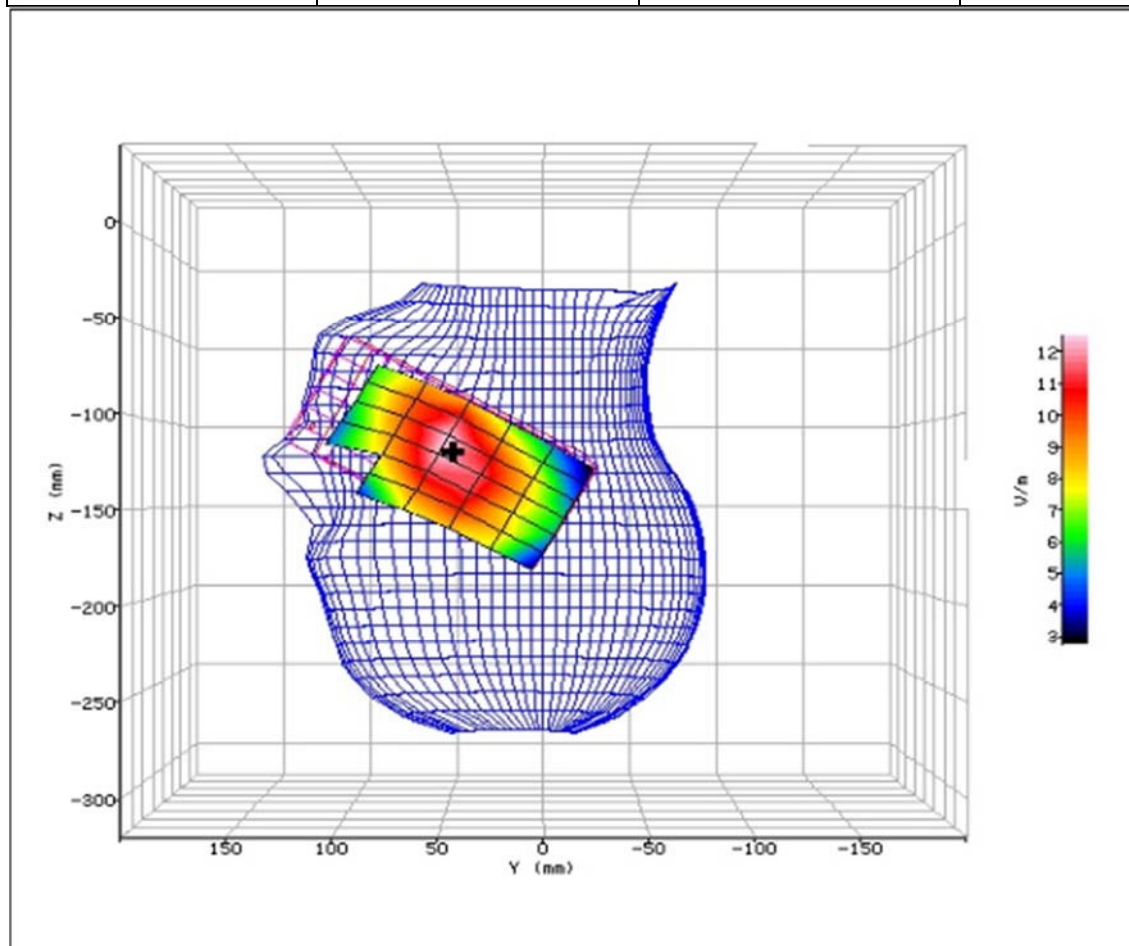


Figure 35: SAR Head Testing Results for the Sharp Smart phone at 829.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-10:31:08	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	40.53
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.879
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.40°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	62.00mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-117.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.789
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.295 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.287 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.288 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	0.200 %

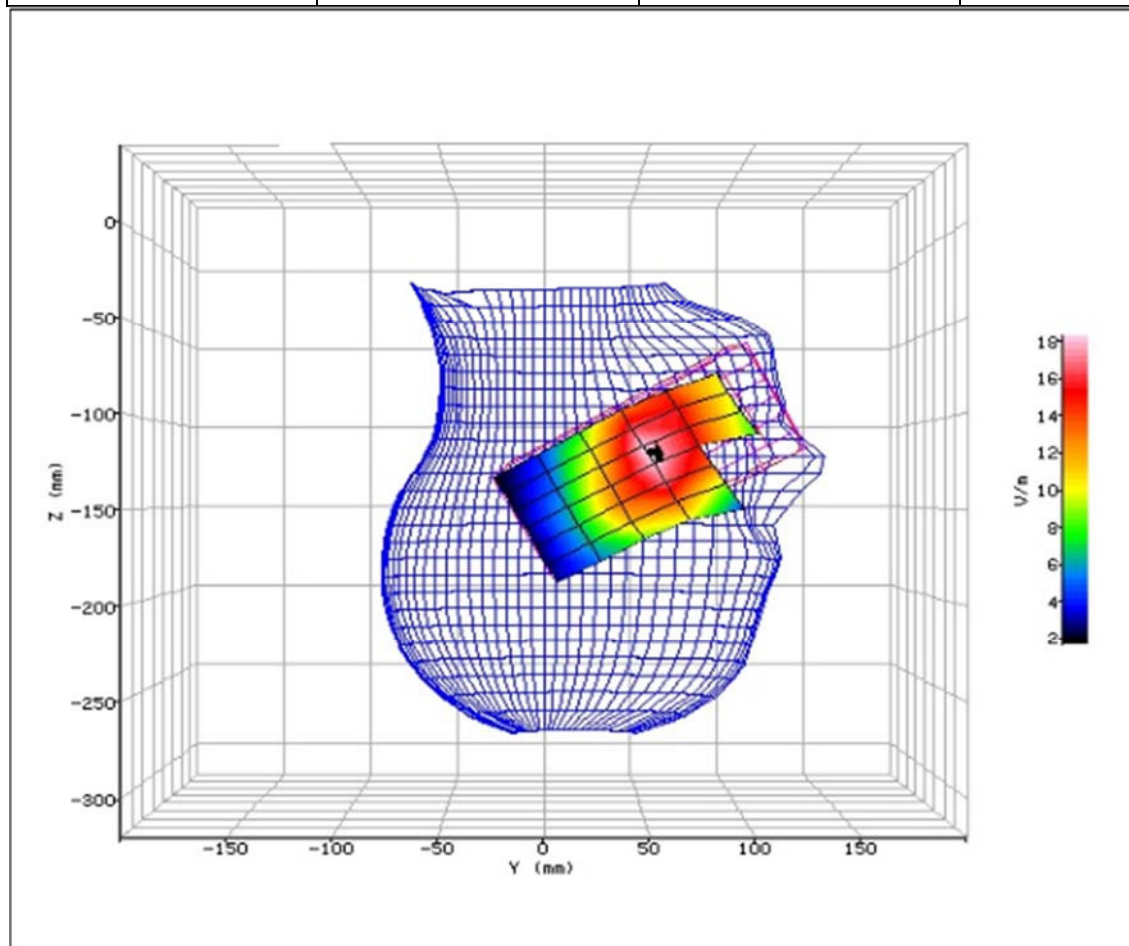


Figure 36: SAR Head Testing Results for the Sharp Smart phone at 829.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-10:05:33	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	40.53
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.879
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.40°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	55.00mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-126.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	11.645
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.137 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.138 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.138 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	0.100 %

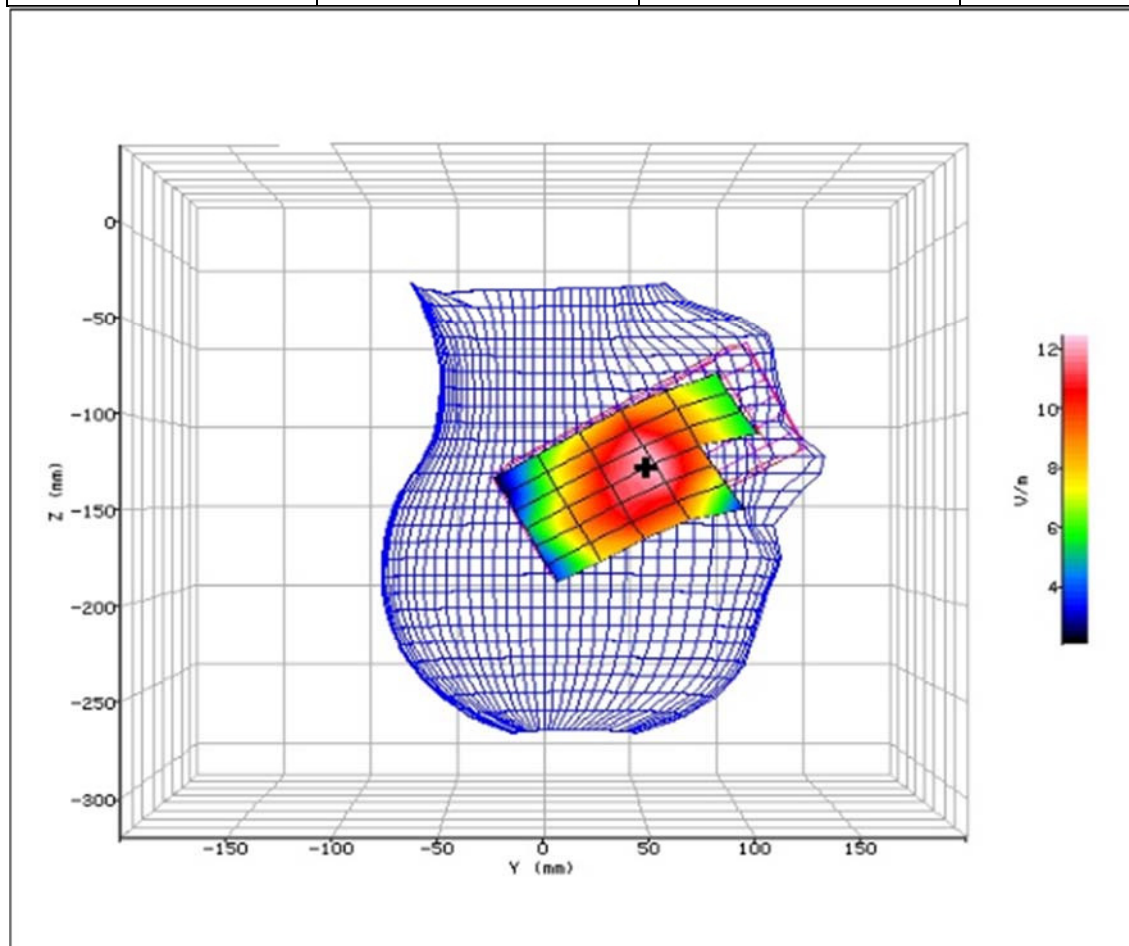


Figure 37: SAR Head Testing Results for the Sharp Smart phone at 829.0MHz.



Product Service

2.10 LTE BAND 5 BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-11:02:44	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	850 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.18
RELATIVE HUMIDITY:	46.20%	CONDUCTIVITY:	0.987
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	76.90mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-4.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.367
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.343 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.325 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.347 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-1.400 %

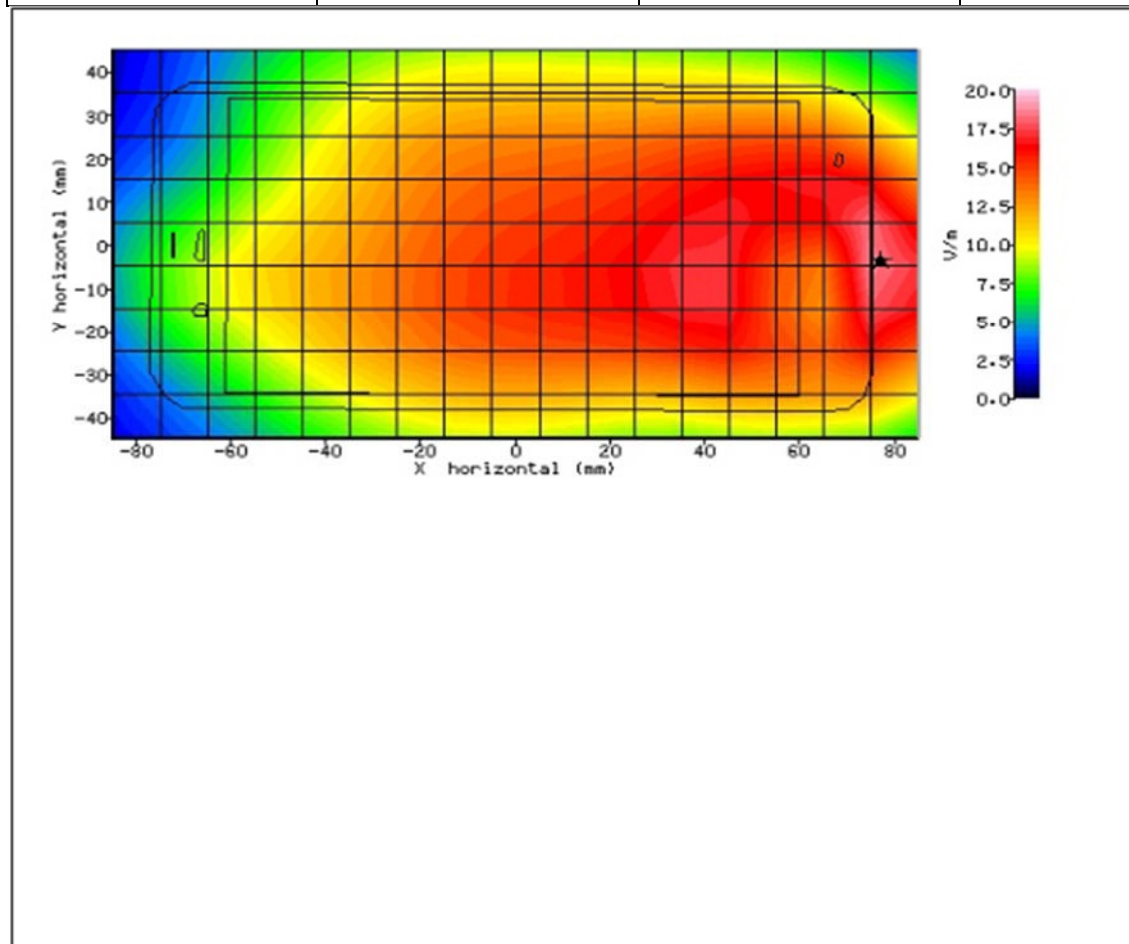


Figure 38: SAR Body Testing Results for the Sharp Smart phone at 829.0MHz.



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-11:22:13	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	850 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.18
RELATIVE HUMIDITY:	46.20%	CONDUCTIVITY:	0.987
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	79.50mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	4.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.413
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.345 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.356 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.355 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

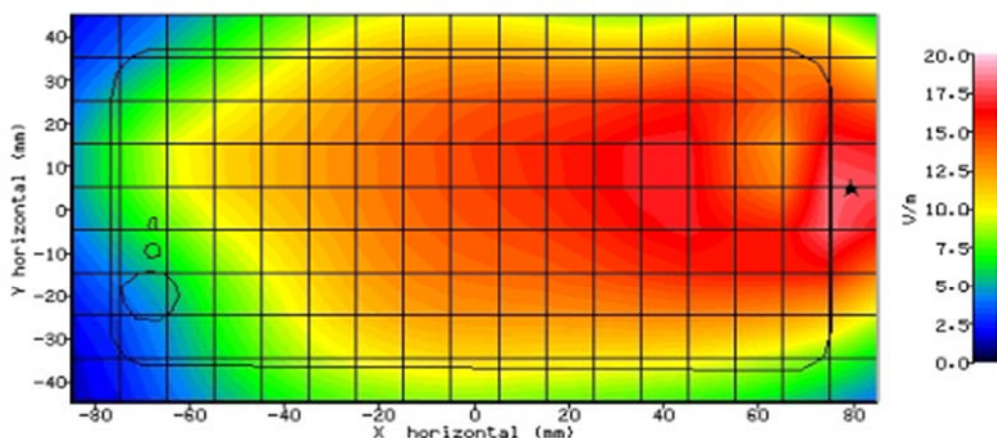


Figure 39: SAR Body Testing Results for the Sharp Smart phone at 829.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-10:20:15	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	850 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.18
RELATIVE HUMIDITY:	46.20%	CONDUCTIVITY:	0.987
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-9.00mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	1.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.790
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.360 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.371 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.372 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	0.200 %

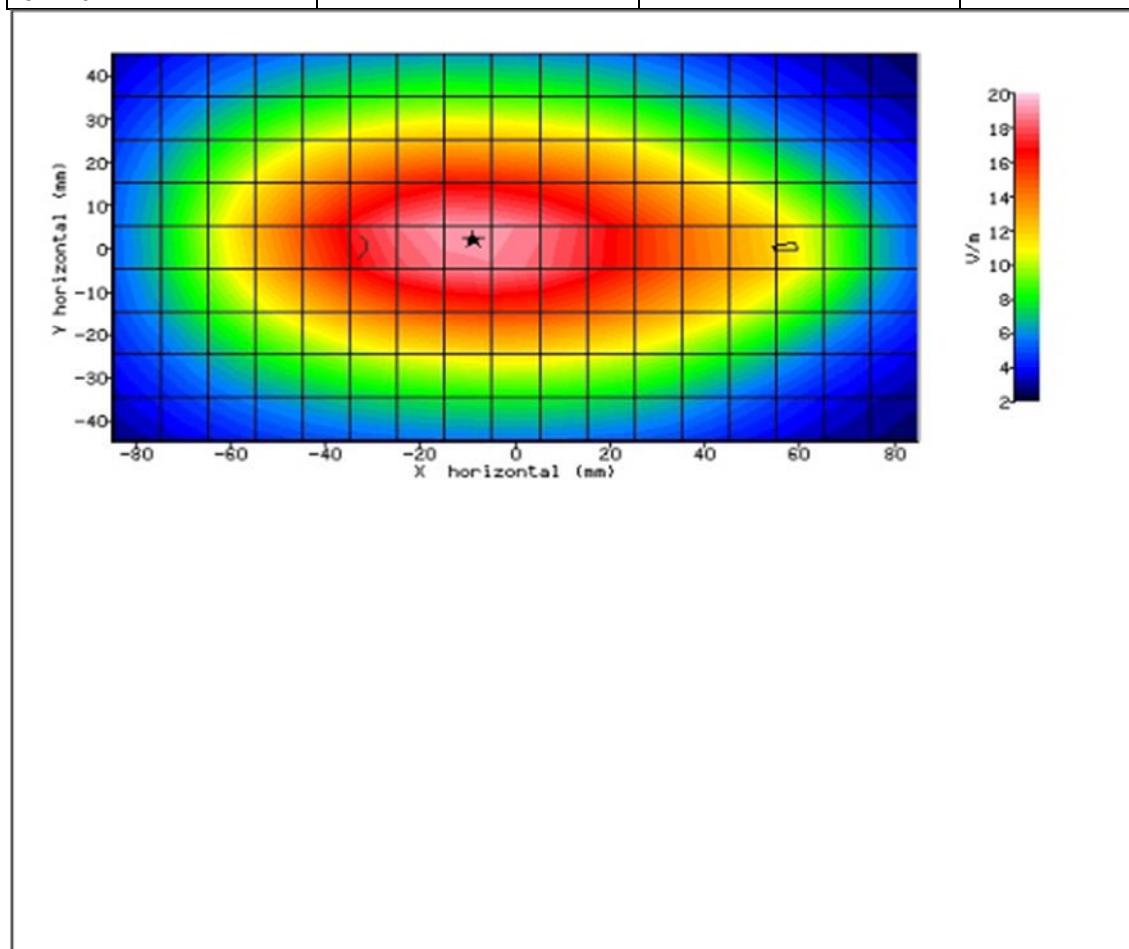


Figure 40: SAR Body Testing Results for the Sharp Smart phone at 829.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-09:41:45	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	850 Body
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	54.18
RELATIVE HUMIDITY:	46.20%	CONDUCTIVITY:	0.987
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	5.00mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	1.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.292
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.214 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.224 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.222 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.600 %

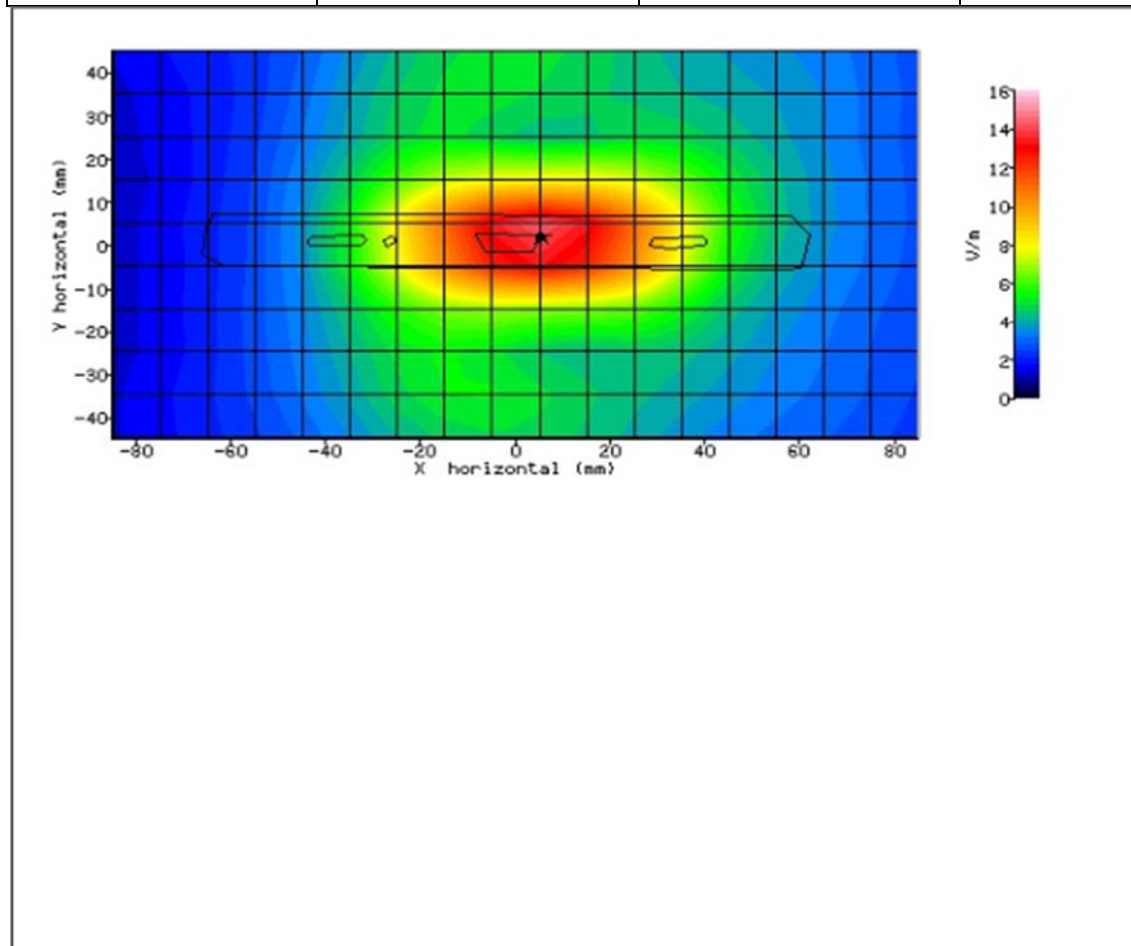


Figure 41: SAR Body Testing Results for the Sharp Smart phone at 829.0MHz.



2.11 LTE BAND 13 HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-14:52:11	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	60.80mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-111.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.671
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.472 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.439 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.438 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

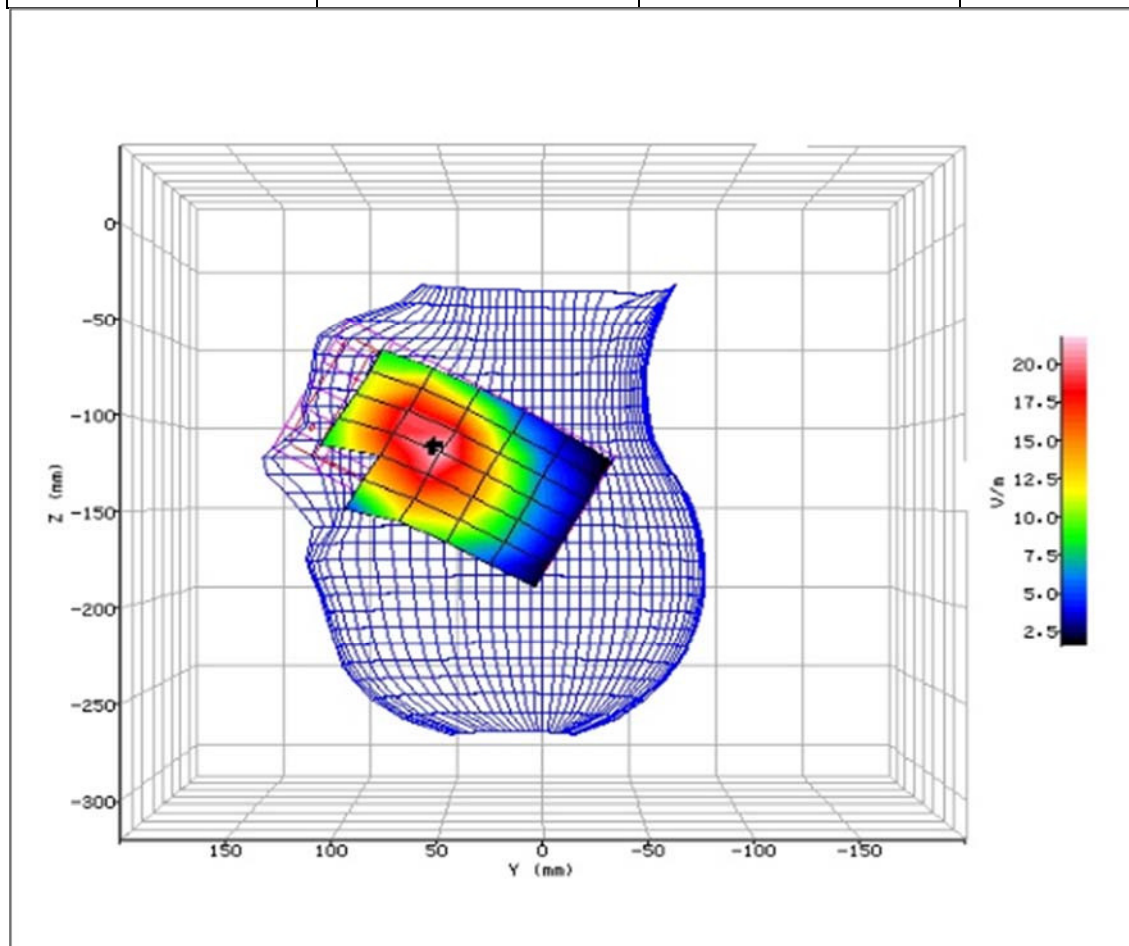


Figure 42: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-15:16:02	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	44.40mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-125.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.918
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.192 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.175 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.175 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

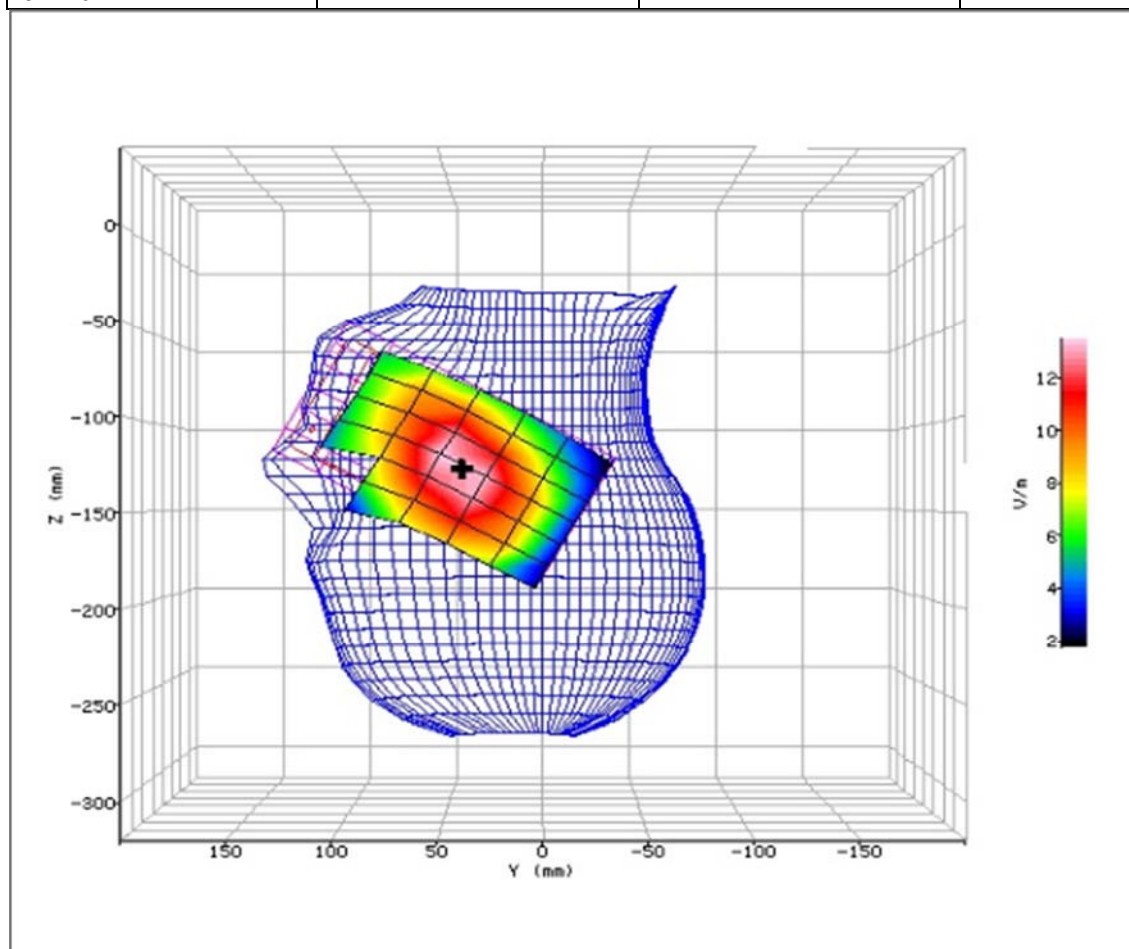


Figure 43: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-16:04:16	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	63.20mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-115.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.398
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.387 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.408 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.402 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	-1.500 %

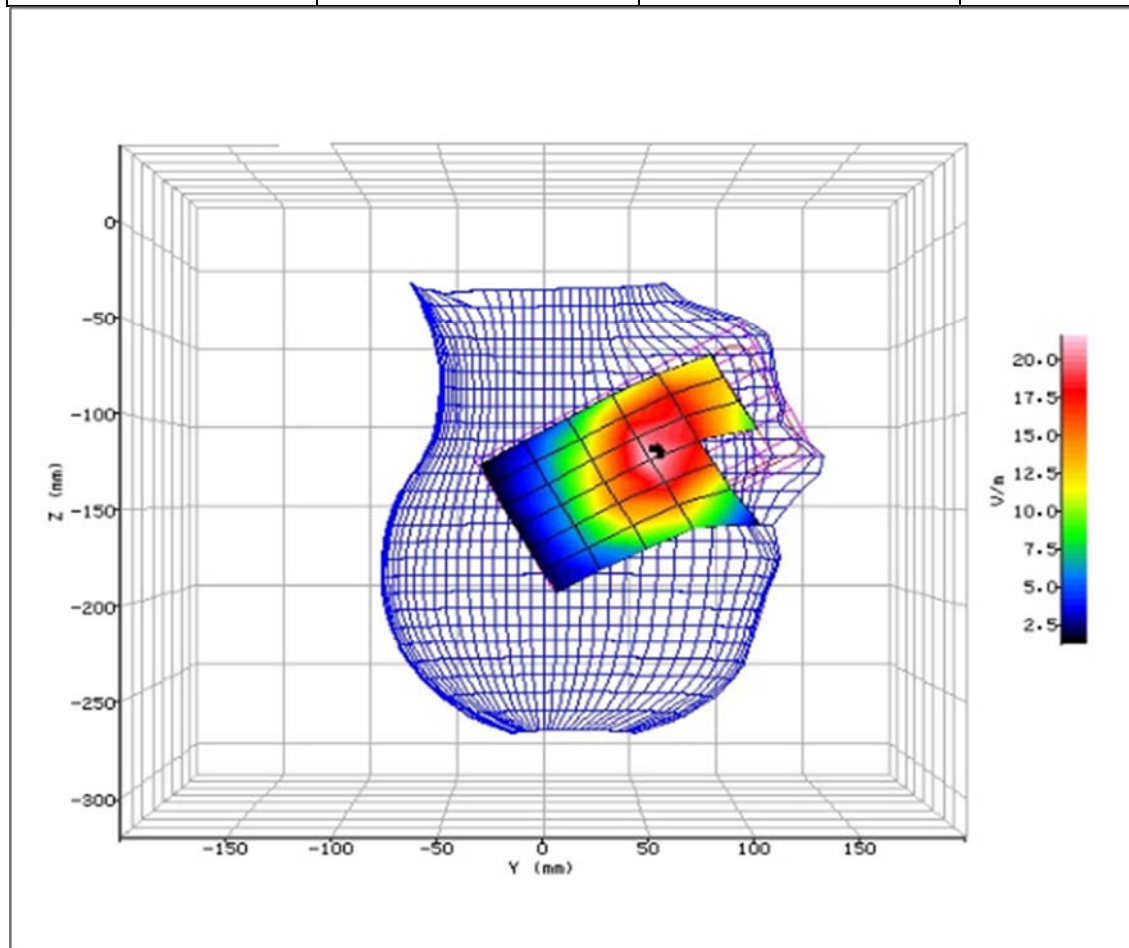


Figure 44: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/04/2016-16:28:16	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	700 Head
DEVICE UNDER TEST:	-	RELATIVE PERMITTIVITY:	42.80
RELATIVE HUMIDITY:	29.90%	CONDUCTIVITY:	0.903
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	51.50mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-129.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.496
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.205 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.219 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.220 W/kg
PROBE BATTERY LAST CHANGED:	01/04/2016	SAR DRIFT DURING SCAN:	0.600 %

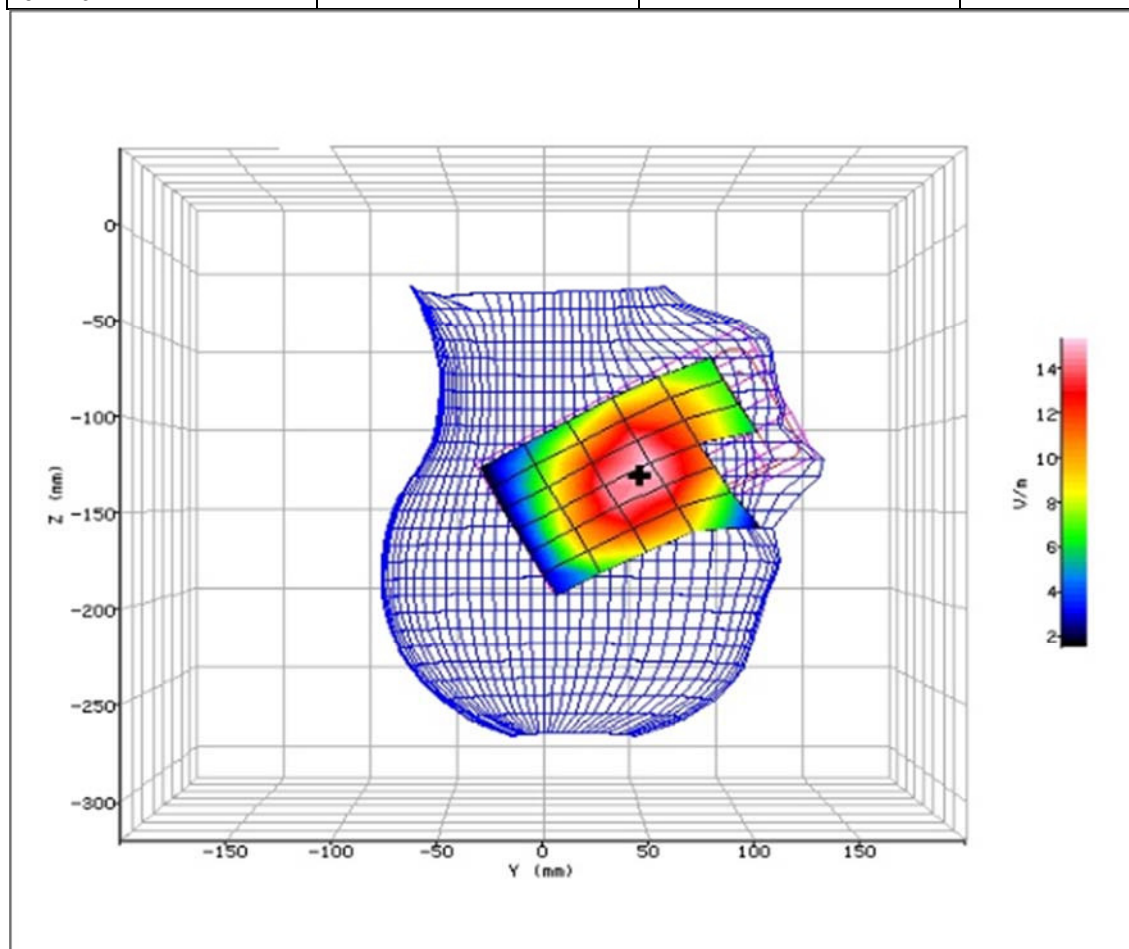


Figure 45: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



Product Service

2.12 LTE BAND 13 BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-13:03:52	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:	31.60mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-2.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.751
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.408 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.432 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.428 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-1.100 %

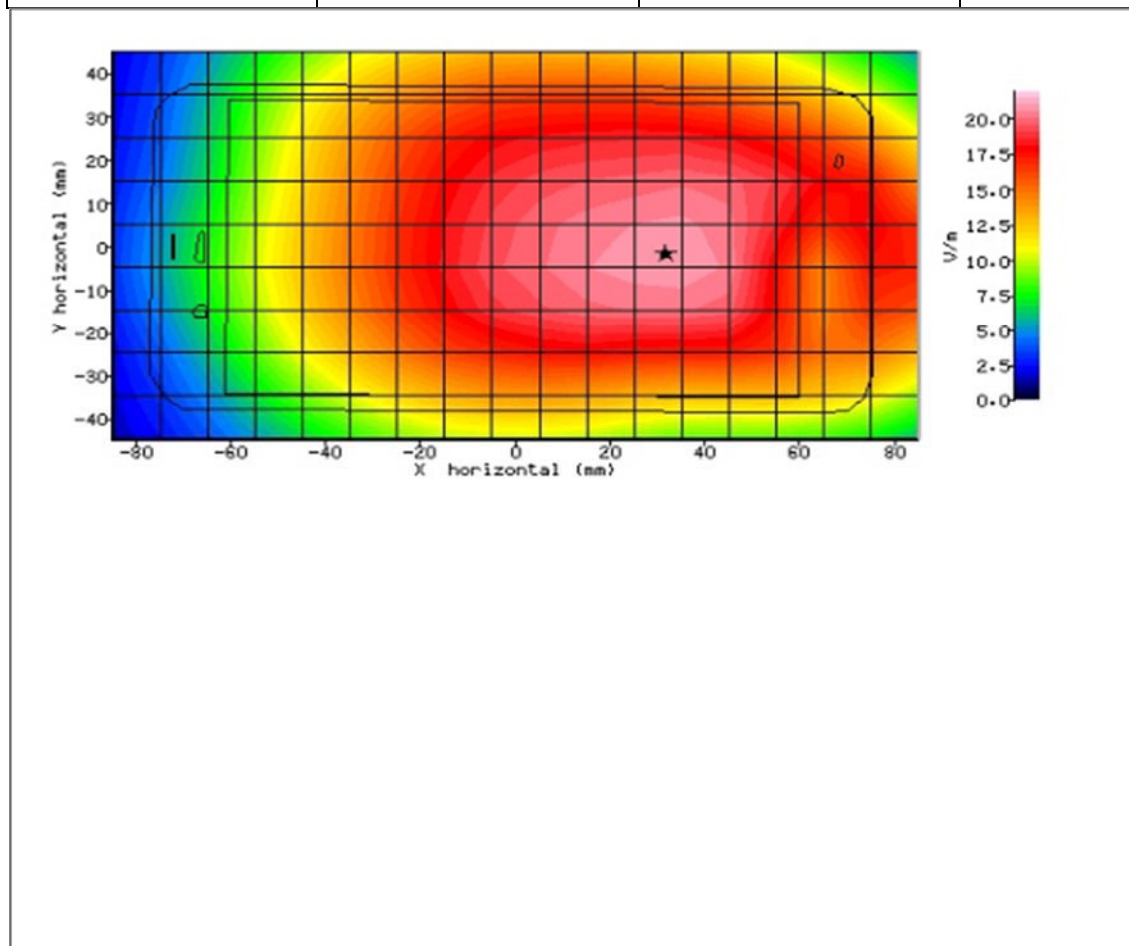


Figure 46: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-13:23:29	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:	31.80mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	6.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.459
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.396 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.425 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.418 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-1.700 %

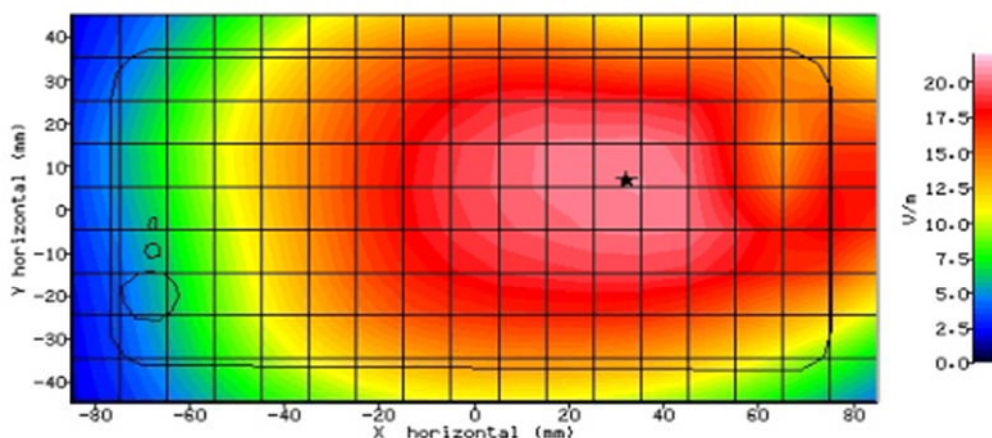


Figure 47: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



Product Service

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-14:08:12	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:	-2.20mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	2.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	21.348
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.459 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.485 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.485 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.200 %

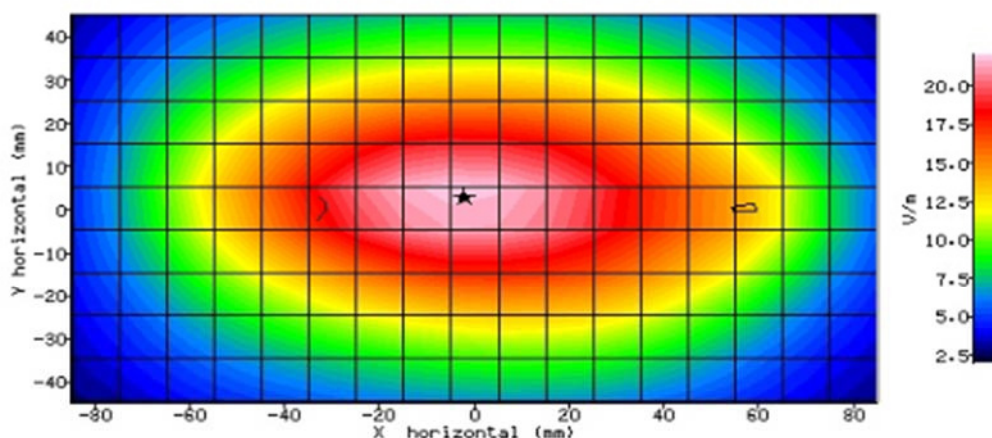


Figure 48: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-14:27:00	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:	2.80mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	2.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.705
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.187 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.203 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.204 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	0.300 %

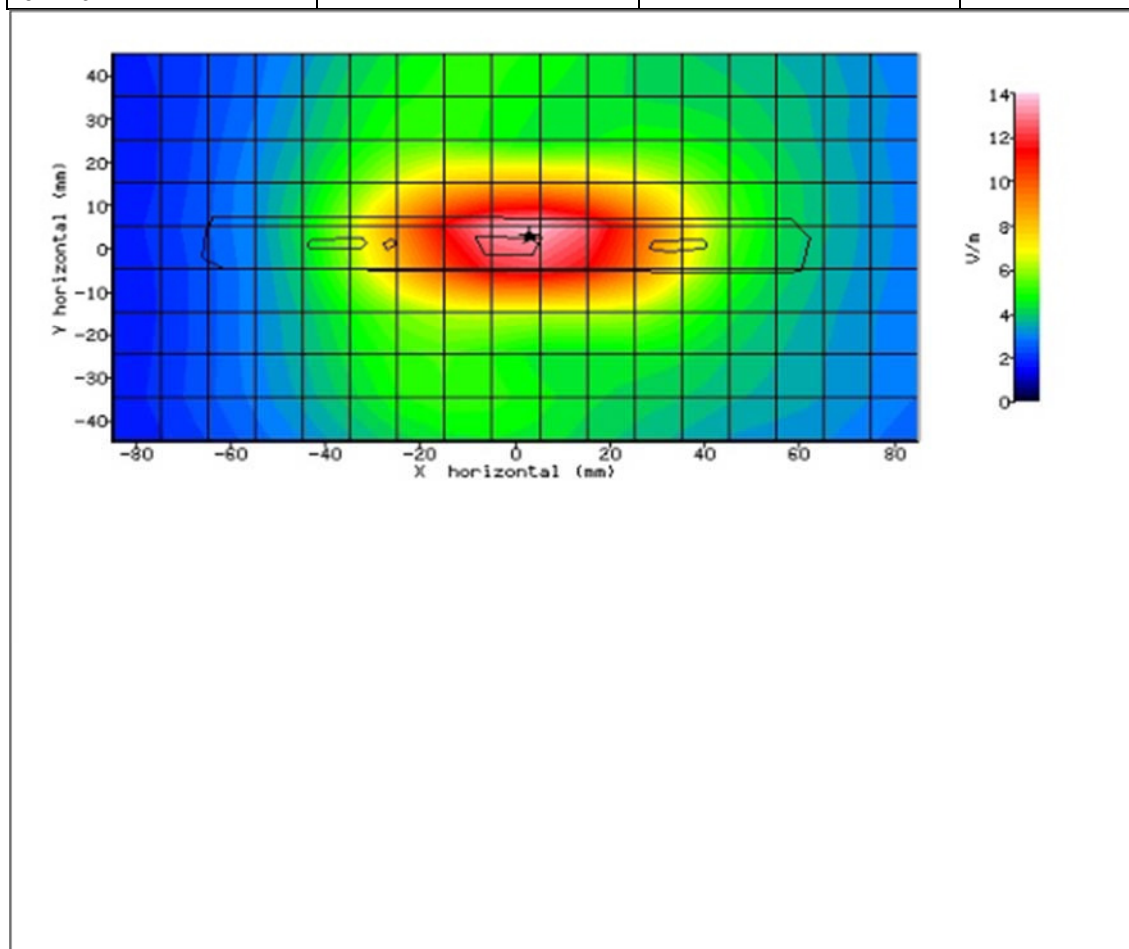


Figure 49: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



2.13 LTE BAND 13 HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-10:30:27	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:	61.70mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-110.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.605
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.336 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.306 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.304 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-0.800 %

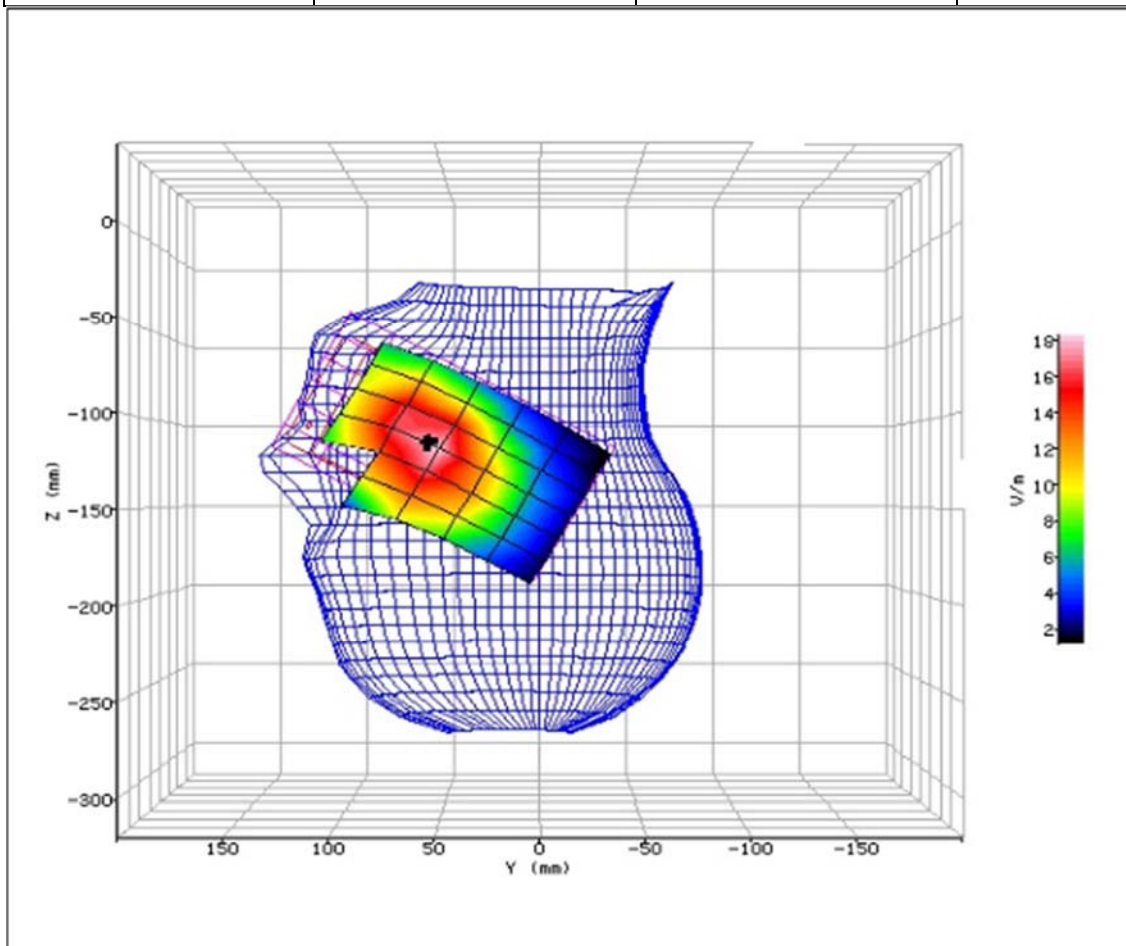


Figure 50: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-11:21:41	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:	44.70mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-125.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	10.889
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.143 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.126 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.126 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

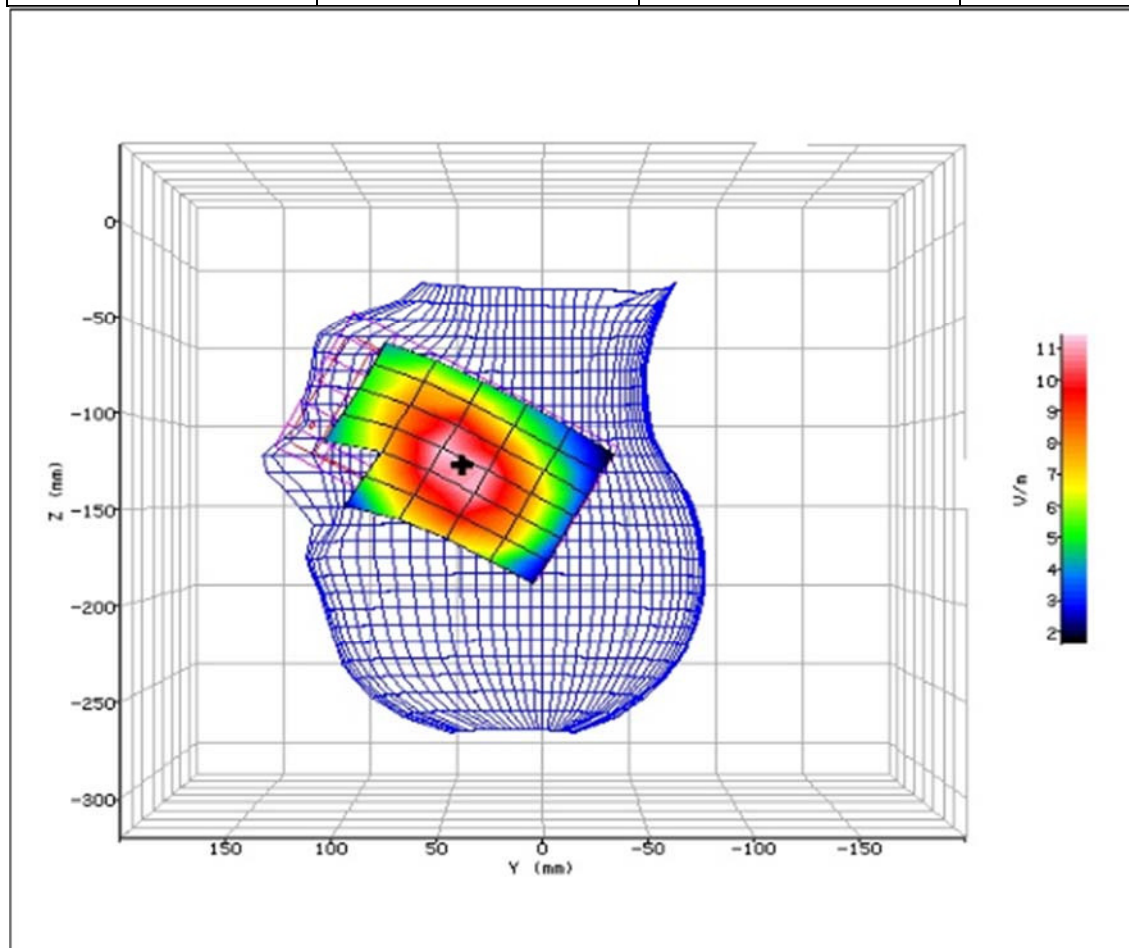


Figure 51: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-12:38:26	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:	63.70mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-118.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.101
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.285 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.320 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.317 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-1.100 %

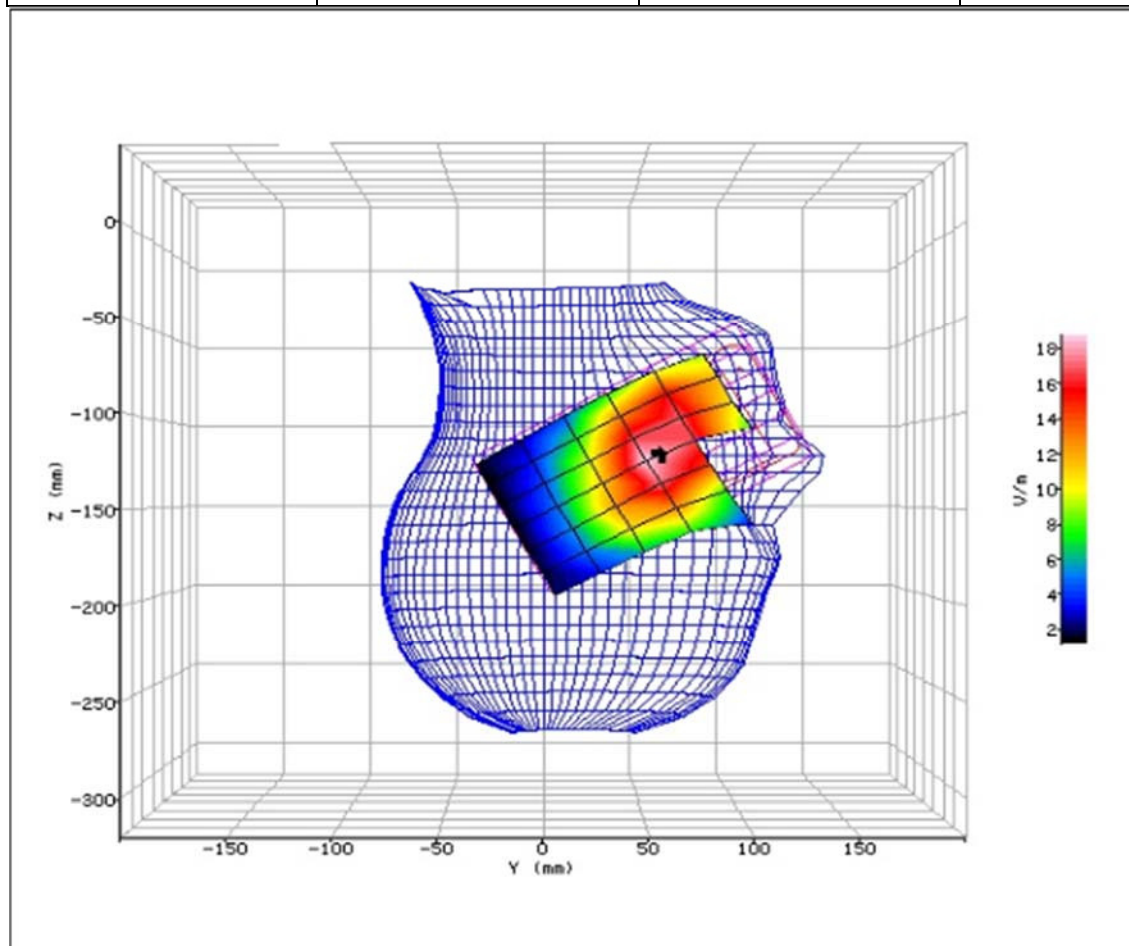


Figure 52: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-13:01:48	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:	51.90mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-131.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	11.963
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.133 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.145 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.145 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	0.100 %

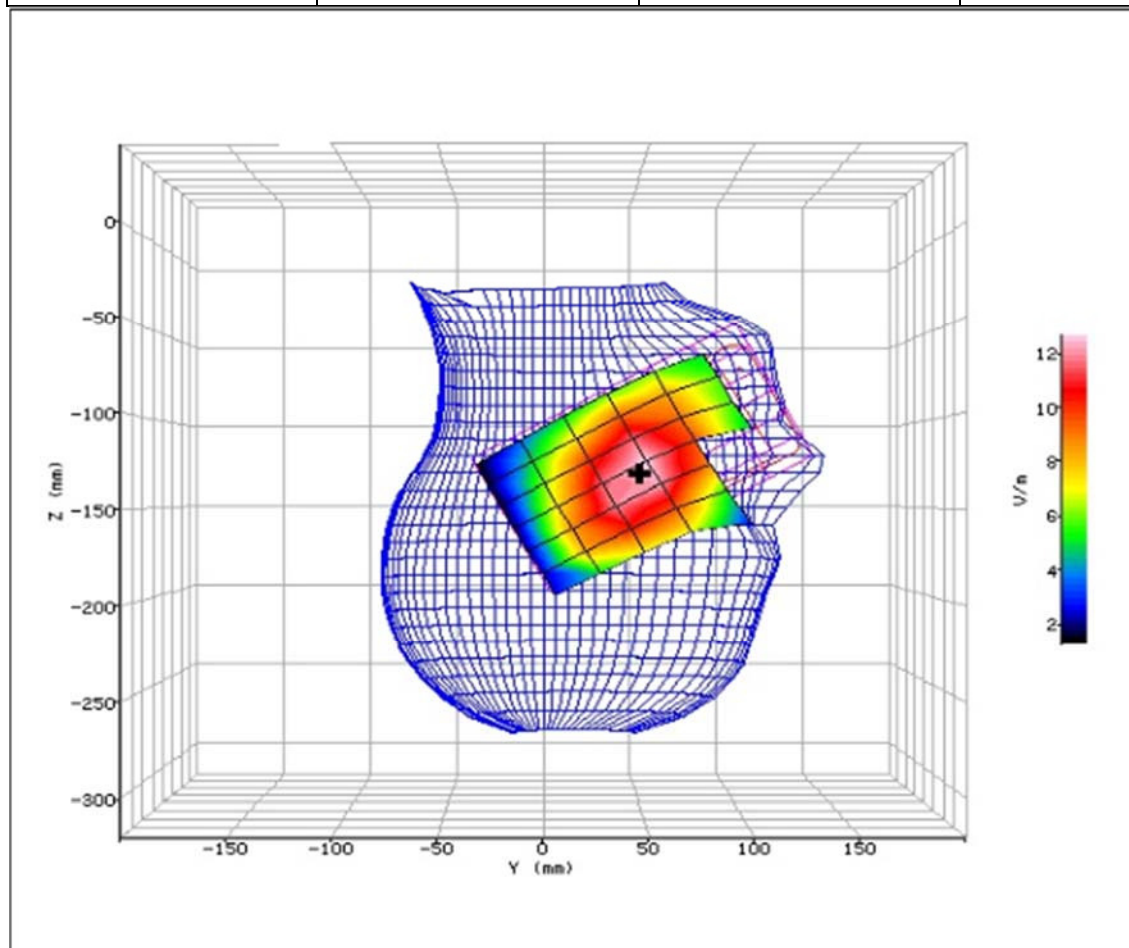


Figure 53: SAR Head Testing Results for the Sharp Smart phone at 782.0MHz.



2.14 LTE BAND 13 BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-16:15:36	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:	32.90mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-1.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.852
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.303 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.324 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.320 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-1.300 %

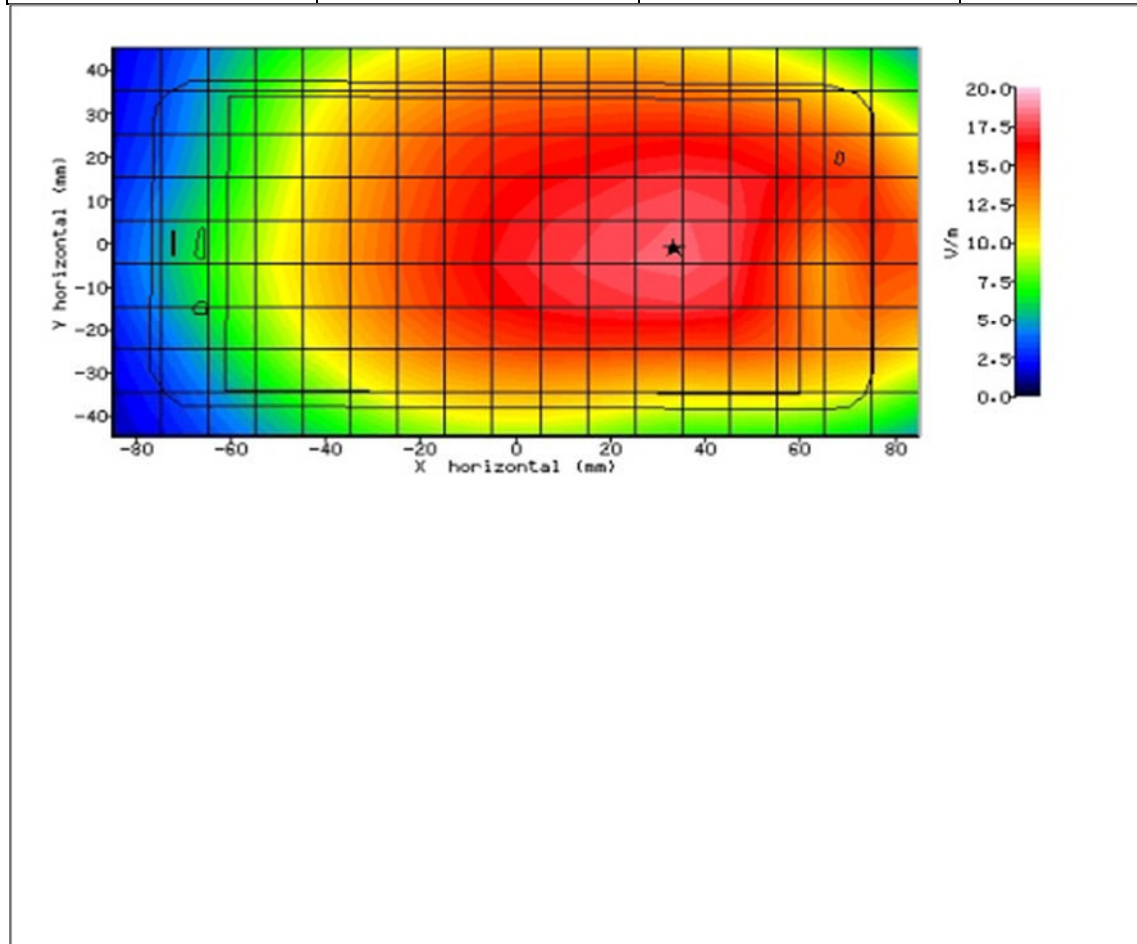


Figure 54: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



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SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-16:34:27	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:	32.90mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	5.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.584
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.294 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.314 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.313 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.300 %

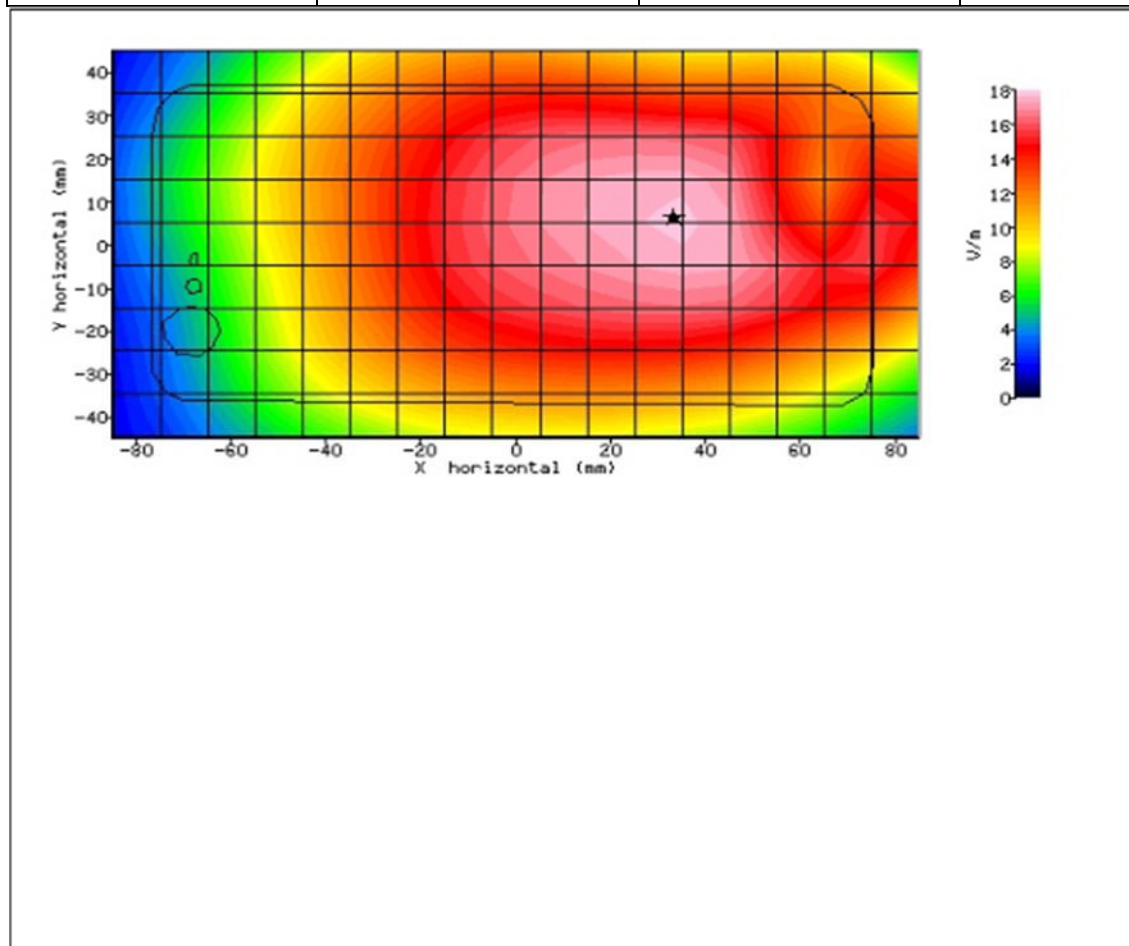


Figure 55: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-15:29:35	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:	-1.30mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	1.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.131
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.331 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.353 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.352 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.200 %

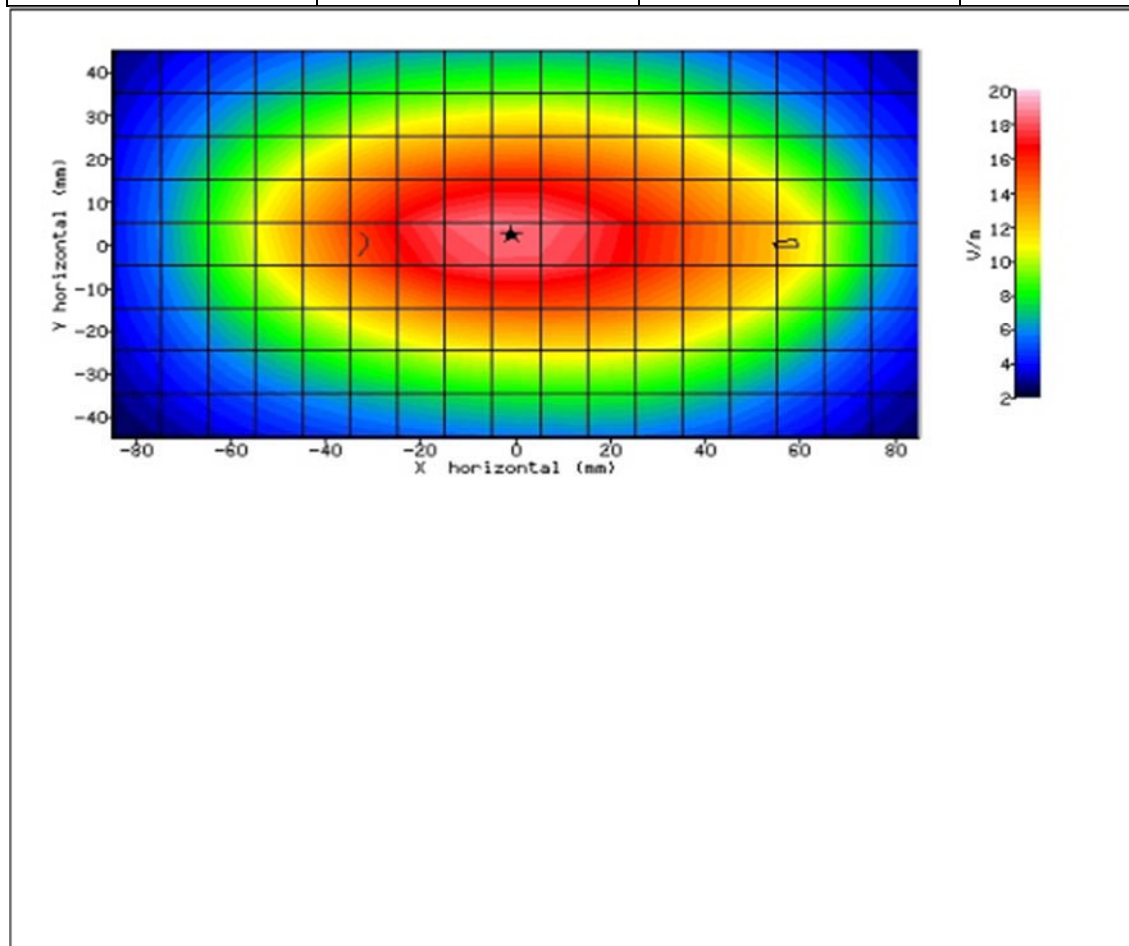


Figure 56: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	14/04/2016-15:10:33	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:	3.30mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	1.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	10.861
TEST FREQUENCY:	782.0MHz	SAR 1g:	0.139 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.150 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.149 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-0.400 %

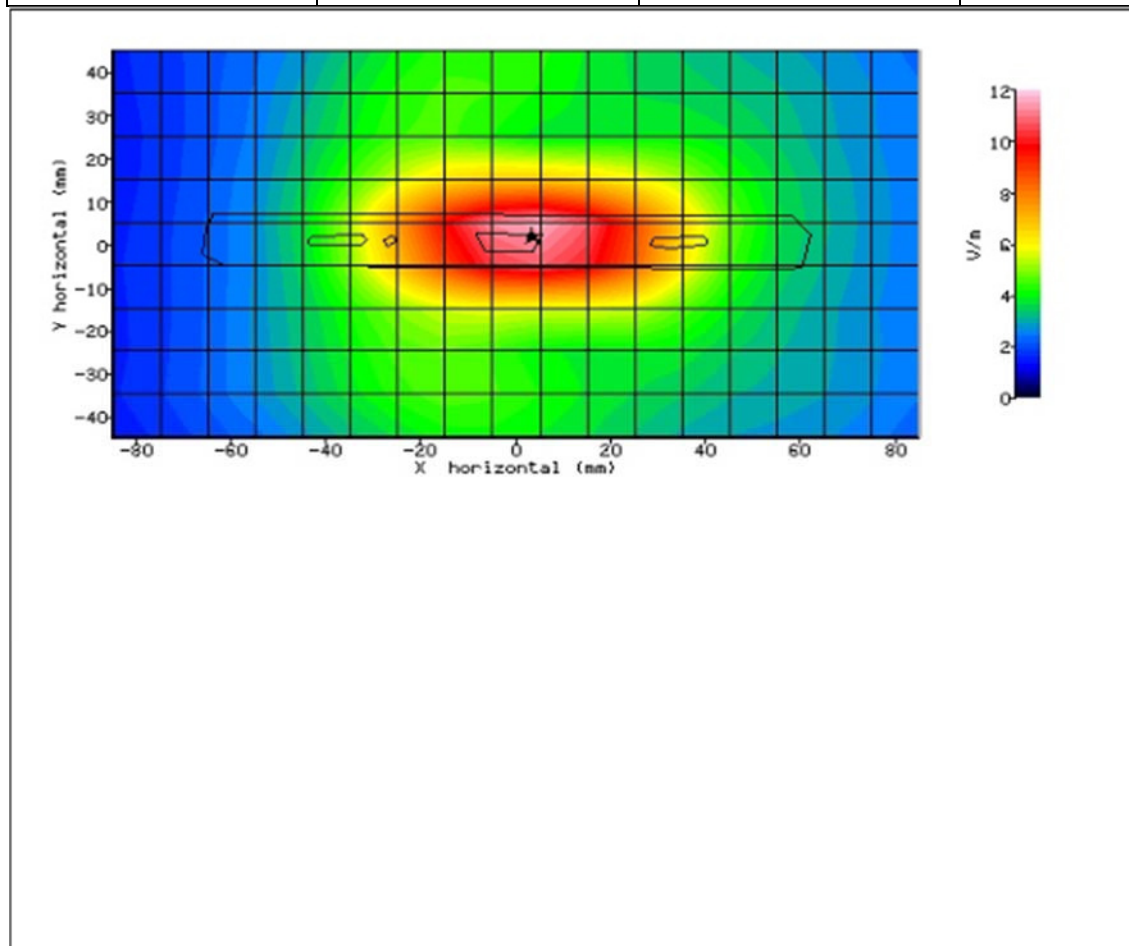


Figure 57: SAR Body Testing Results for the Sharp Smart phone at 782.0MHz.



2.15 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:	04/04/2016-14:03:17	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:	62.80mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-113.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.741
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.225 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.204 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.203 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-0.300 %

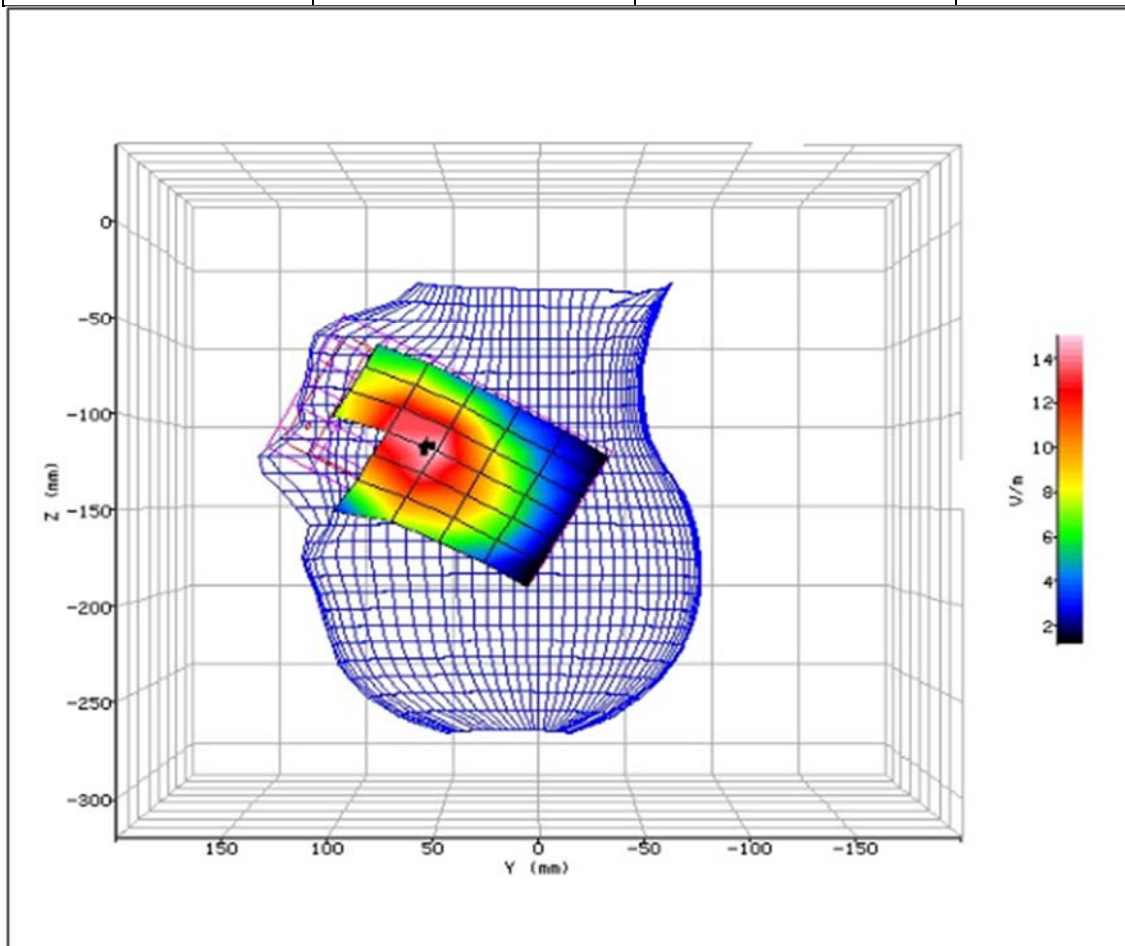


Figure 58: SAR Head Testing Results for the Sharp Smart phone at 710.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-14:27:24	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:	33.80mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-135.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.287
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.098 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.087 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.087 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-0.100 %

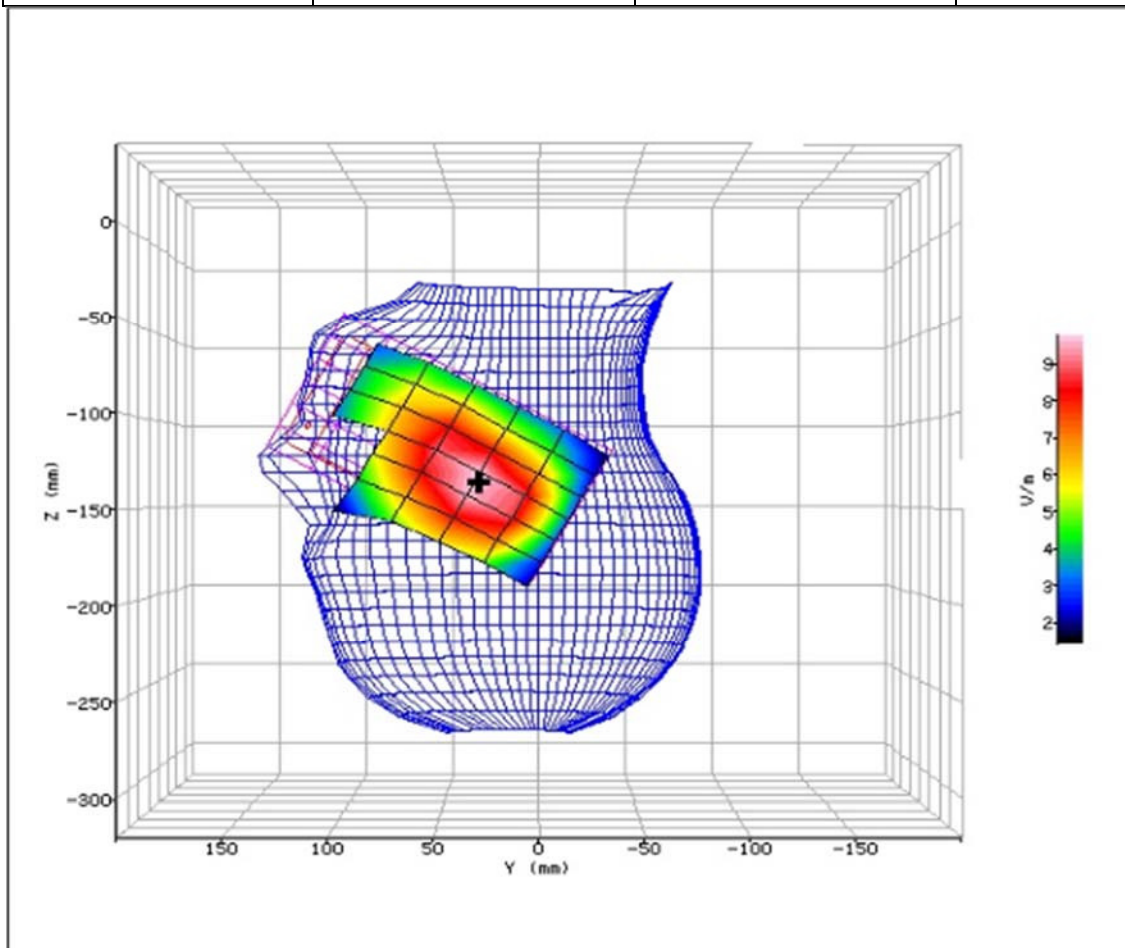


Figure 59: SAR Head Testing Results for the Sharp Smart phone at 710.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-15:52:51	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:	14.524
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.197 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.228 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.221 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-2.800 %

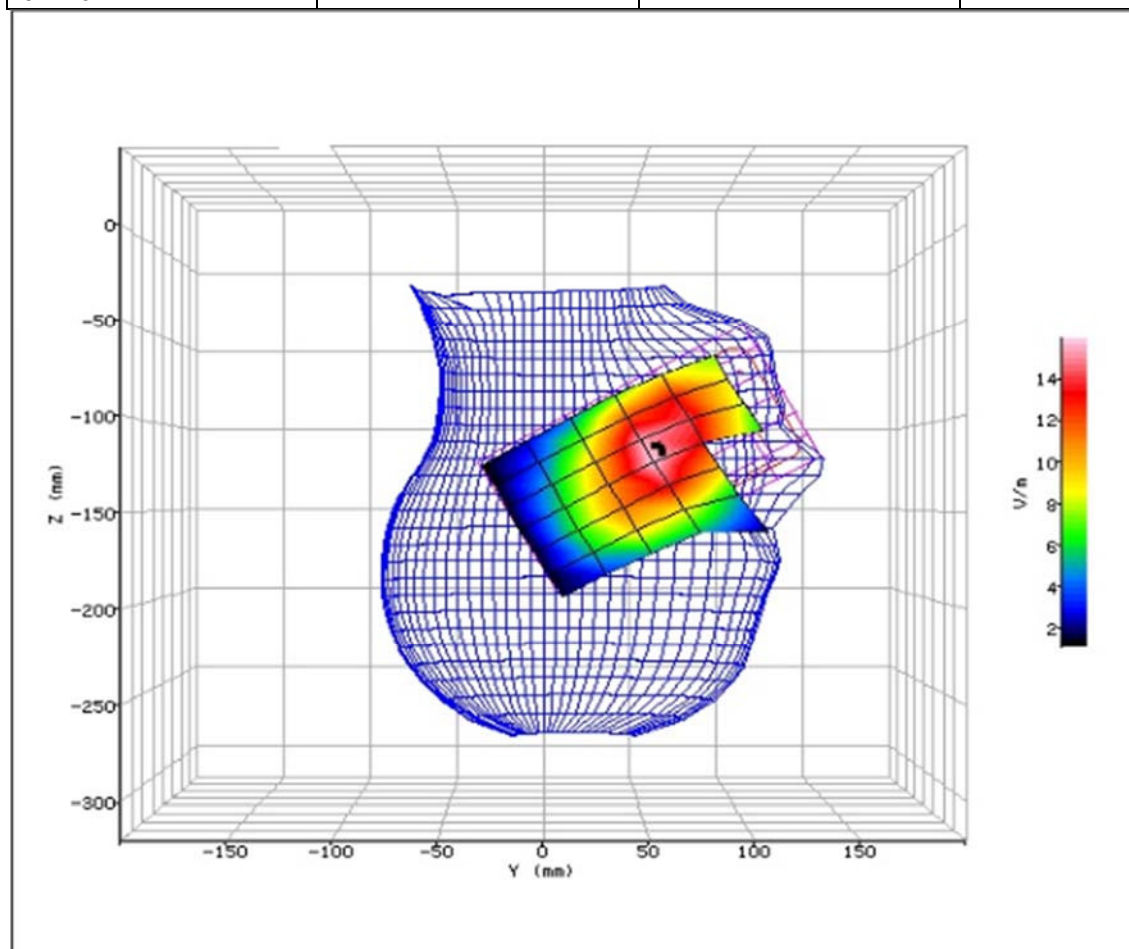


Figure 60: SAR Head Testing Results for the Sharp Smart phone at 710.0MHz.



SYSTEM / SOFTWARE:	SARA-C / v6.09.22	INPUT POWER DRIFT:	0 dB
DATE / TIME:	04/04/2016-16:21:42	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:	36.90mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-141.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	10.628
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.101 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.117 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.116 W/kg
PROBE BATTERY LAST CHANGED:	04/04/2016	SAR DRIFT DURING SCAN:	-0.700 %

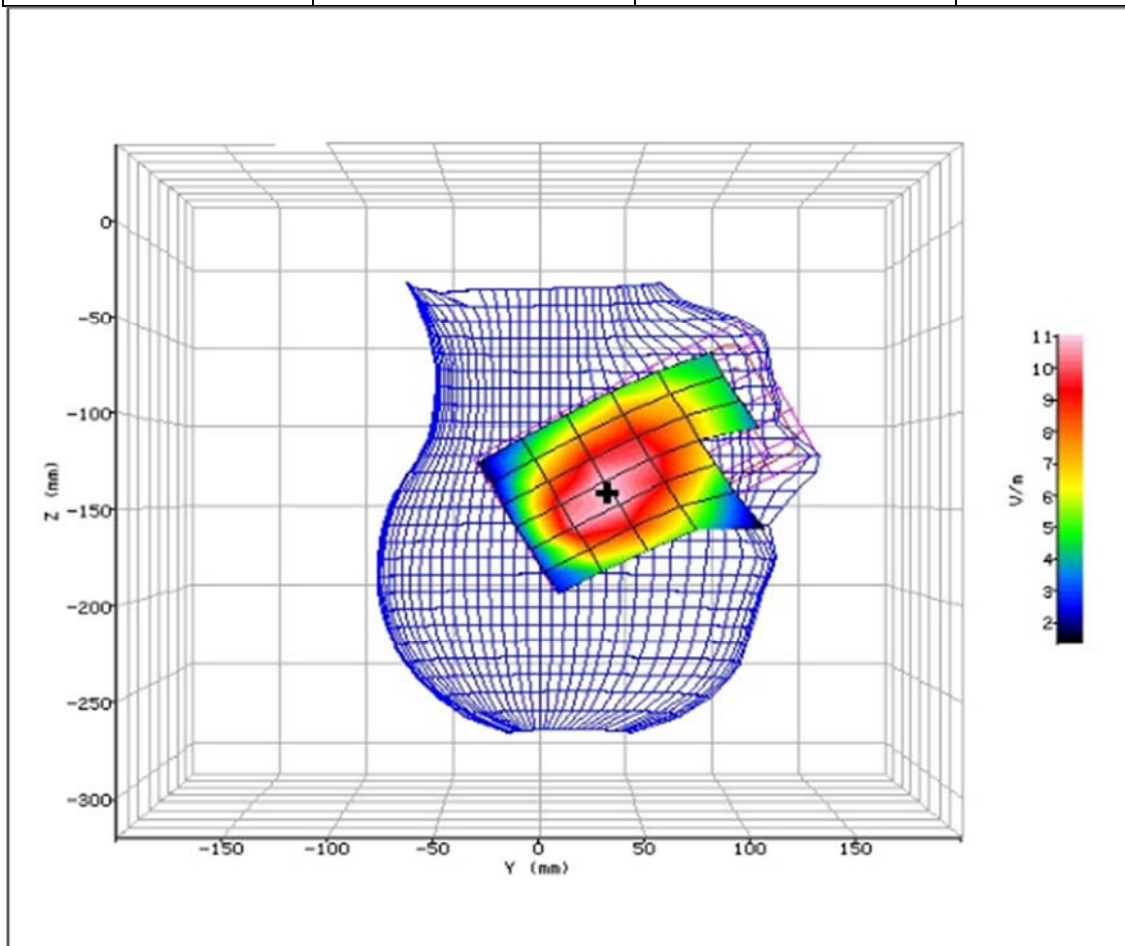


Figure 61: SAR Head Testing Results for the Sharp Smart phone at 710.0MHz.



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2.16 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:	14/04/2016-17:19:48	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:	31.00mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	4.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.634
TEST FREQUENCY:	710.0MHz	SAR 1g:	0.294 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	-
MODN. DUTY CYCLE:	100%	SAR START:	0.319 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.312 W/kg
PROBE BATTERY LAST CHANGED:	14/04/2016	SAR DRIFT DURING SCAN:	-2.200 %

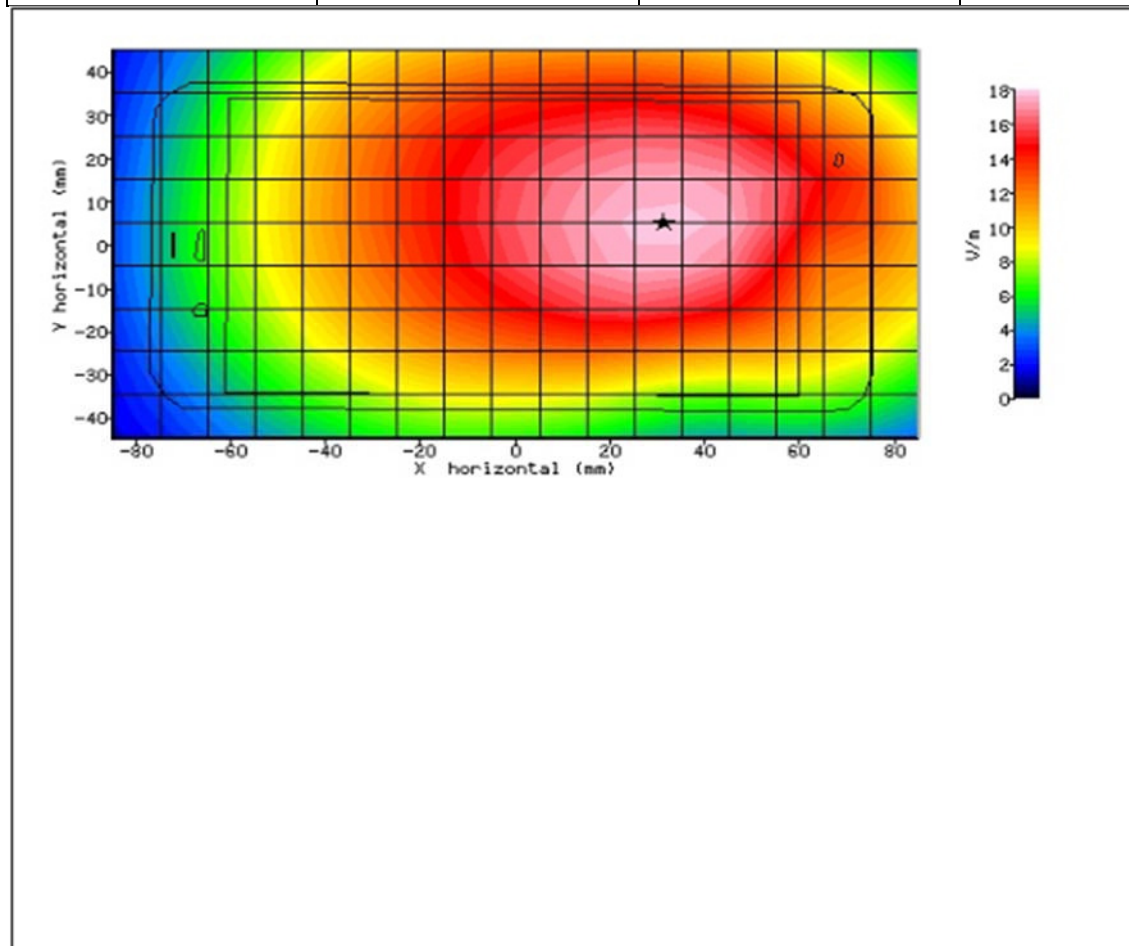


Figure 62: SAR Body Testing Results for the Sharp Smart phone at 710.0MHz.