



Report No. SC1010487B-01-02

Date: 30. Nov 10 10:43

2.44000	29.0	46.0
3.04000	27.9	46.0
3.68000	25.6	46.0
4.45500	24.1	46.0
6.50000	22.4	50.0
8.30500	24.0	50.0
10.38000	26.3	50.0
12.46500	26.7	50.0
15.65500	28.7	50.0
18.47000	32.7	50.0
19.65000	32.2	50.0
24.56500	26.2	50.0

* limit exceeded

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Rev.No 1.0

Report No. SC1010487B-01-02

TUV America Conducted Emissions

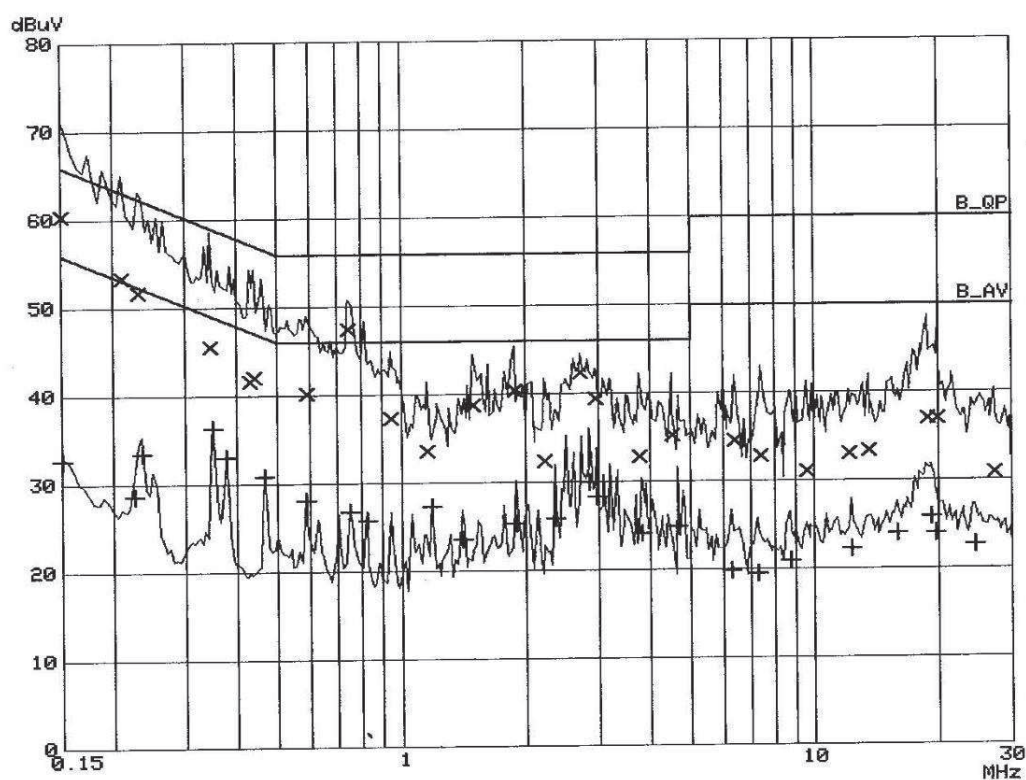
EUT: B-Alert X10
Manuf: Advanced Brain Monitoring Systems
Op Cond: Charge mode with Laptop USB port
Operator: Lan Sayasane
Test Spec: EN55011 Class B
Comment: 230Vac 50Hz Line 1
SC1010487
Date: 30. Nov 10 11:05

Scan Settings (2 Ranges)

Frequencies			Receiver Settings						
Start	Stop	Step	IF	BW	Detector	M-Time	Atten	Preamp	OpRge
150k	1M	5k	10k	10k	PK+AV	100ms	AUTO	LN OFF	60dB
1M	30M	5k	10k	10k	PK+AV	2ms	AUTO	LN OFF	60dB

Transducer No.	Start	Stop	Name
1	9k	30M	20dBLISN

Final Measurement: x QP / + AV
Meas Time: 1 s
Subranges: 25
Acc Margin: 25dB



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TUV America
Conducted Emissions

EUT: B-Alert X10
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Op Cond: Charge mode with Laptop USB port
Operator: Lan Sayasane
Test Spec: EN55011 Class B
Comment: 230Vac 50Hz Line 1
SC1010487
Date: 30. Nov 10 11:05

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.15000	60.4	66.0
0.21000	53.3	63.2
0.23000	51.7	62.4
0.34500	45.6	59.1
0.43000	41.6	57.3
0.44000	42.0	57.0
0.59000	40.2	56.0
0.74500	47.4	56.0
0.94000	37.3	56.0
1.15500	33.6	56.0
1.48500	38.7	56.0
1.87500	40.4	56.0
2.22000	32.4	56.0
2.70500	42.4	56.0
2.94000	39.4	56.0
3.77000	32.8	56.0
4.50500	35.3	56.0
6.39000	34.5	60.0
7.42000	32.8	60.0
9.54500	31.0	60.0
12.10000	33.0	60.0
13.51000	33.3	60.0
18.76500	37.0	60.0
19.91000	37.0	60.0
27.26500	30.8	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.15000	32.7	56.0
0.22500	28.6	52.7
0.23500	33.4	52.3
0.35000	36.3	49.0
0.37500	33.0	48.4
0.46500	30.8	46.6
0.58500	28.0	46.0
0.75000	26.7	46.0
0.82500	25.7	46.0
1.18000	27.3	46.0
1.40000	23.5	46.0
1.88500	25.3	46.0
2.35500	25.9	46.0

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Report No. SC1010487B-01-02

Date: 30. Nov 10 11:05

2.85000	30.0	46.0
2.96000	28.3	46.0
3.81000	24.1	46.0

Report No. SC1010487B-01-02

TUV America Conducted Emissions

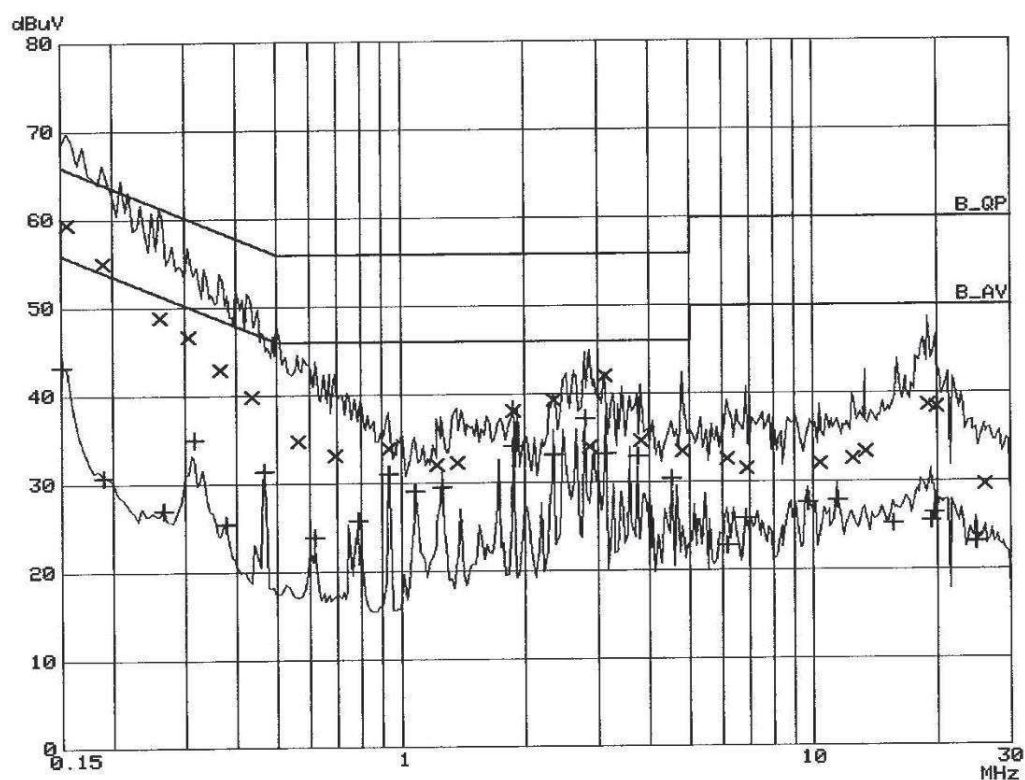
EUT: B-Alert X10
Manuf: Advanced Brain Monitoring Systems
Op Cond: Charge mode with Laptop USB port
Operator: Ian Sayasane
Test Spec: EN55011 Class B
Comment: 230Vac 50Hz Line 2
SC1010487
Date: 30. Nov 10 10:54

Scan Settings (2 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	1M	5k	10k	PK+AV	100ms	AUTO	LN OFF	60dB
1M	30M	5k	10k	PK+AV	2ms	AUTO	LN OFF	60dB

Transducer No.	Start	Stop	Name
1	9k	30M	20dBLISN

Final Measurement: x QP / + AV
Meas Time: 1 s
Subranges: 25
Acc Margin: 25dB



PAGE 1



Report No. SC1010487B-01-02

TUV America Conducted Emissions

EUT: B-Alert X10
Manuf: Advanced Brain Monitoring Systems
Op Cond: Charge mode with Laptop USB port
Operator: Lan Sayasane
Test Spec: EN55011 Class B
Comment: 230Vac 50Hz Line 2
SC1010487
Date: 30. Nov 10 10:54

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.15500	59.4	65.7
0.19000	55.1	64.1
0.26000	48.8	61.4
0.30500	46.7	60.1
0.36500	43.0	58.6
0.43500	39.8	57.2
0.56000	34.8	56.0
0.69000	33.1	56.0
0.93000	34.0	56.0
1.22000	32.1	56.0
1.36500	32.2	56.0
1.86500	38.0	56.0
2.33500	39.3	56.0
2.85500	34.0	56.0
3.12000	42.1	56.0
3.81500	34.6	56.0
4.81500	33.4	56.0
6.18000	32.6	60.0
6.87500	31.5	60.0
10.37000	32.0	60.0
12.44000	32.6	60.0
13.33500	33.3	60.0
18.89500	38.6	60.0
19.85000	38.5	60.0
25.92000	29.6	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.15000	43.3	56.0
0.19000	30.7	54.1
0.26500	27.0	51.3
0.31500	35.1	49.8
0.37500	25.4	48.4
0.46500	31.4	46.6
0.61500	23.9	46.0
0.78500	25.7	46.0
0.93000	31.0	46.0
1.08000	29.1	46.0
1.25500	29.5	46.0
1.86500	34.1	46.0
2.33500	33.2	46.0

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Report No. SC1010487B-01-02

Date: 30. Nov 10 10:54

2.79500	37.2	46.0
3.12500	33.2	46.0
3.73000	32.9	46.0
4.52500	30.4	46.0
6.18000	22.8	50.0

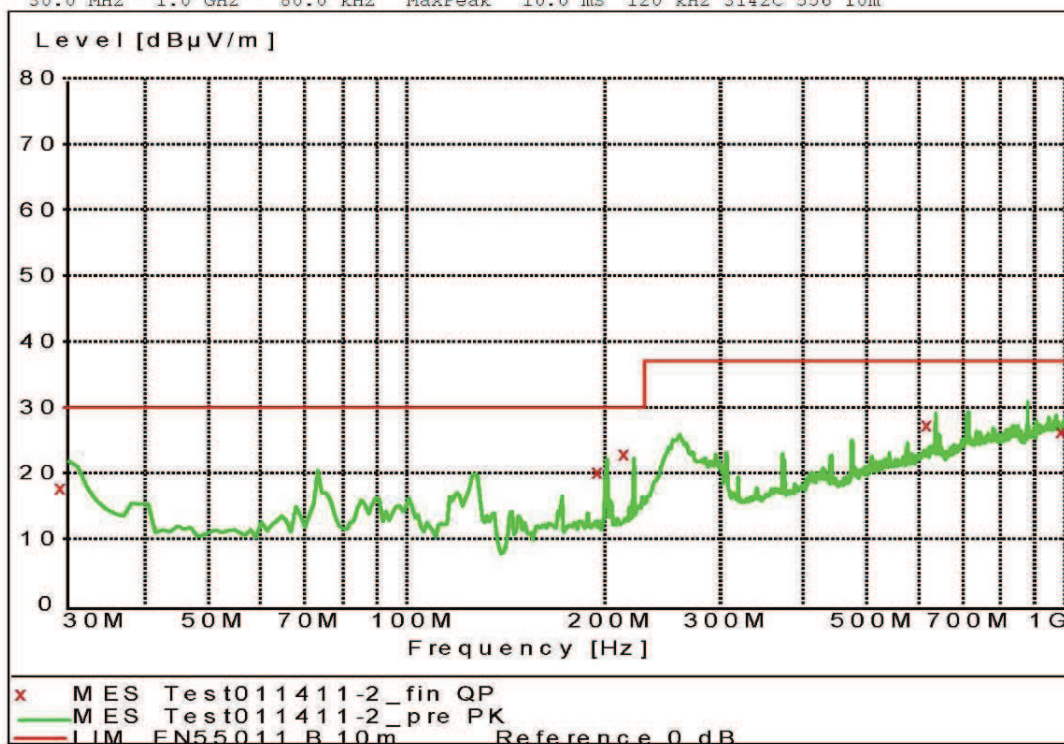
Report No. SC1010487B-01-02

TUV SC1010487

EUT: B-Alert X10
 Manufacturer: Advance Brain Monitoring Systems
 Operating Condition: Recharging mode (from computer USB)
 Test Site: SR6
 Operator: Kathy MacKenzie
 Test Specification: EN55011 class B
 Comment: Internal Battery powered
 Start of Test: 1/14/2011 / 3:00:42PM

SCAN TABLE: "EN55011 10M(BCL) "

Short Description: EN 55011 Field Strength
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 30.0 MHz 1.0 GHz 80.0 kHz MaxPeak 10.0 ms 120 kHz 3142C 556 10m



MEASUREMENT RESULT: "Test011411-2_fin QP"

1/14/2011 4:09PM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.080000	17.70	-12.6	30.0	12.3	111.0	131.00	VERTICAL
196.560000	20.10	-18.2	30.0	9.9	141.0	114.00	VERTICAL

1/14/2011 4:24PM Test011411-2

MEASUREMENT RESULT: "Test011411-2_fin QP"

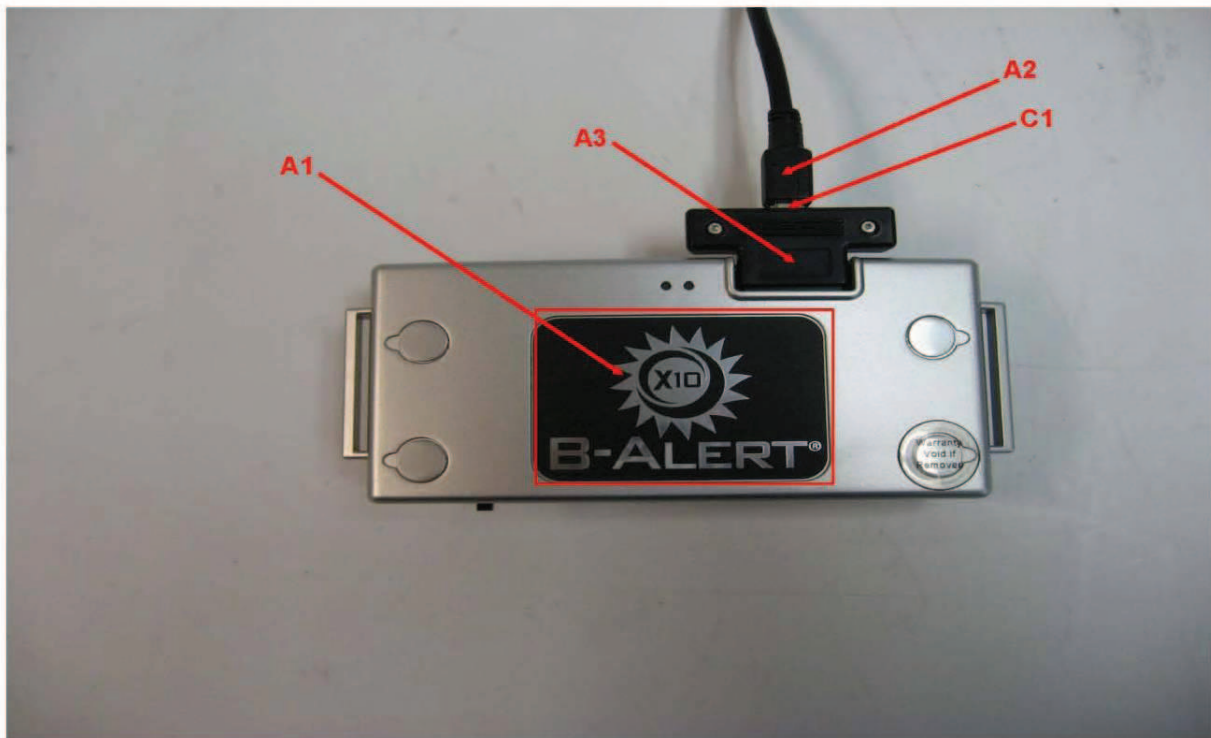
(continued)

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Height cm	Azimuth deg	Polarisation
216.000000	22.90	-17.5	30.0	7.1	384.0	101.00	HORIZONTAL
624.000000	27.30	-5.1	37.0	9.7	321.0	235.00	VERTICAL
999.120000	26.30	-0.5	37.0	10.7	174.0	85.00	VERTICAL

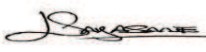
1/14/2011 4:24PM Test011411-2

ESD IMMUNITY

Test Report #: SC1010487 Test Area: TR-1
EUT Model #: X10 Date: November 30, 2010
EUT Serial #: 101000003 EUT Power: Battery 3.7 VDC Temperature: 24.1 °C
Test Method: EN61000-4-2 Air Pressure: 101.1 kPa
Customer: Advanced Brain Monitoring Systems Relative Humidity: 23.4 %
EUT Description: B-Alert System Page: 2 of 5
Notes: Charge mode with Laptop USB port
ND = No Discharge



Tested by: Lan Sayasane
Printed

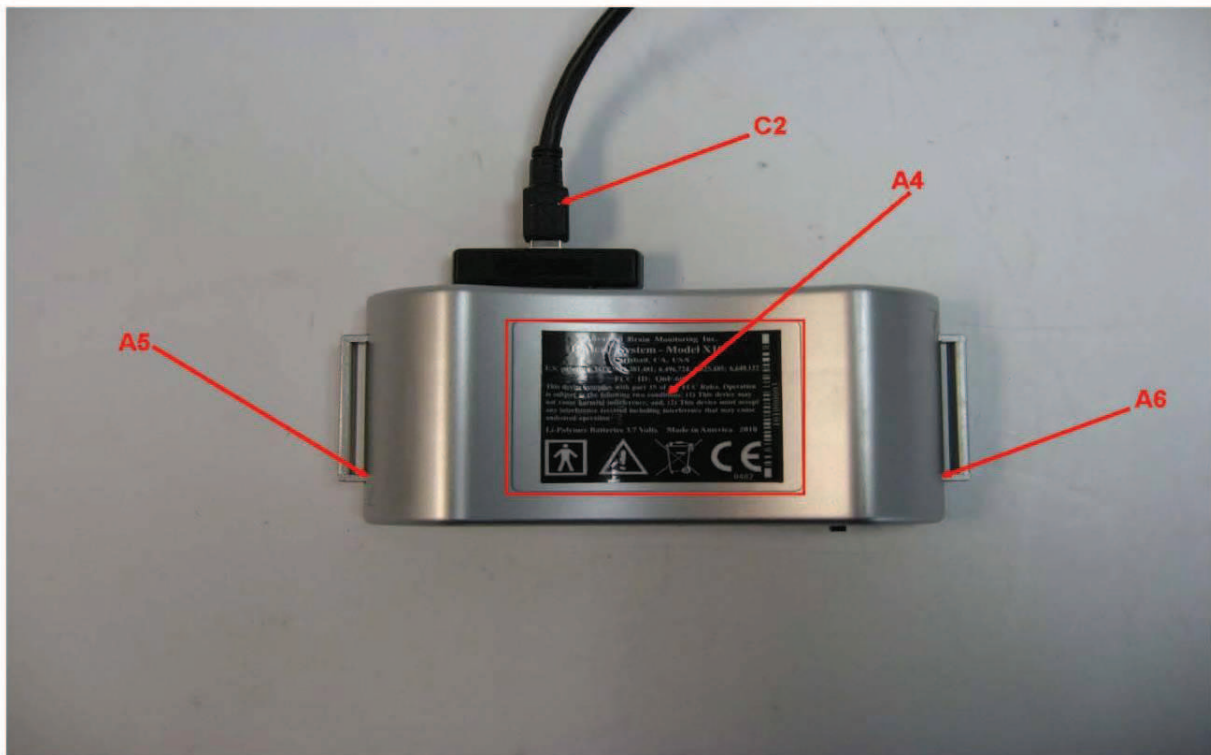

Signature

Reviewed by: Stephen Rackleff
Printed


Signature

ESD IMMUNITY

Test Report #: SC1010487 Test Area: TR-1
EUT Model #: X10 Date: November 30, 2010
EUT Serial #: 101000003 EUT Power: Battery 3.7 VDC Temperature: 24.1 °C
Test Method: EN61000-4-2 Air Pressure: 101.1 kPa
Customer: Advanced Brain Monitoring Systems Relative Humidity: 23.4 %
EUT Description: B-Alert System Page: 3 of 5
Notes: Charge mode with Laptop USB port
ND = No Discharge



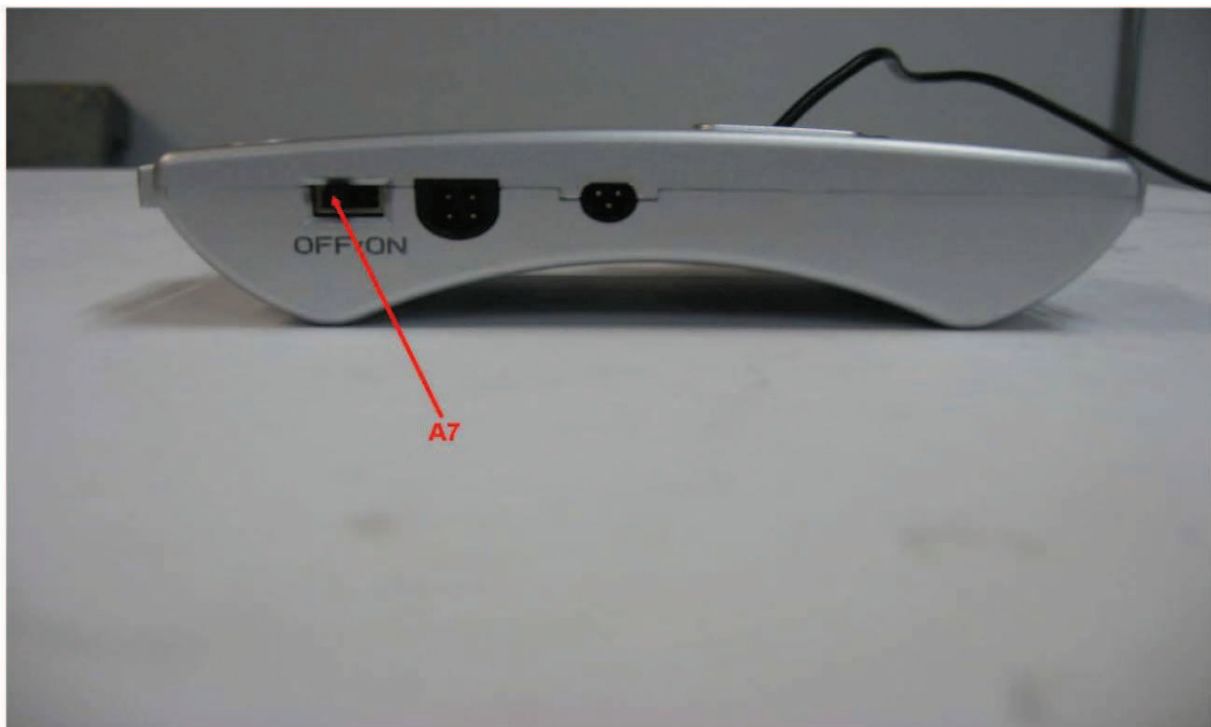
Tested by: Lan Sayasane Signature: [Signature]
Printed
Reviewed by: Stephen Rackleff Signature: [Signature]
Printed



ESD IMMUNITY



Test Report #: SC1010487 Test Area: TR-1
EUT Model #: X10 Date: November 30, 2010
EUT Serial #: 101000003 EUT Power: Battery 3.7 VDC Temperature: 24.1 °C
Test Method: EN61000-4-2 Air Pressure: 101.1 kPa
Customer: Advanced Brain Monitoring Systems Relative Humidity: 23.4 %
EUT Description: B-Alert System Page: 4 of 5
Notes: Charge mode with Laptop USB port
ND = No Discharge



Tested by: Lan Sayasane [Signature]
Printed Signature
Reviewed by: Stephen Rackleff [Signature]
Printed Signature



ESD IMMUNITY



Test Report #: SC1010487 Test Area: TR-1
EUT Model #: X10 Date: November 30, 2010
EUT Serial #: 101000003 EUT Power: Battery 3.7 VDC Temperature: 24.1 °C
Test Method: EN61000-4-2 Air Pressure: 101.1 kPa
Customer: Advanced Brain Monitoring Systems Relative Humidity: 23.4 %
EUT Description: B-Alert System Page: 5 of 5
Notes: Charge mode with Laptop USB port
ND = No Discharge



Tested by: Lan Sayasane
Printed

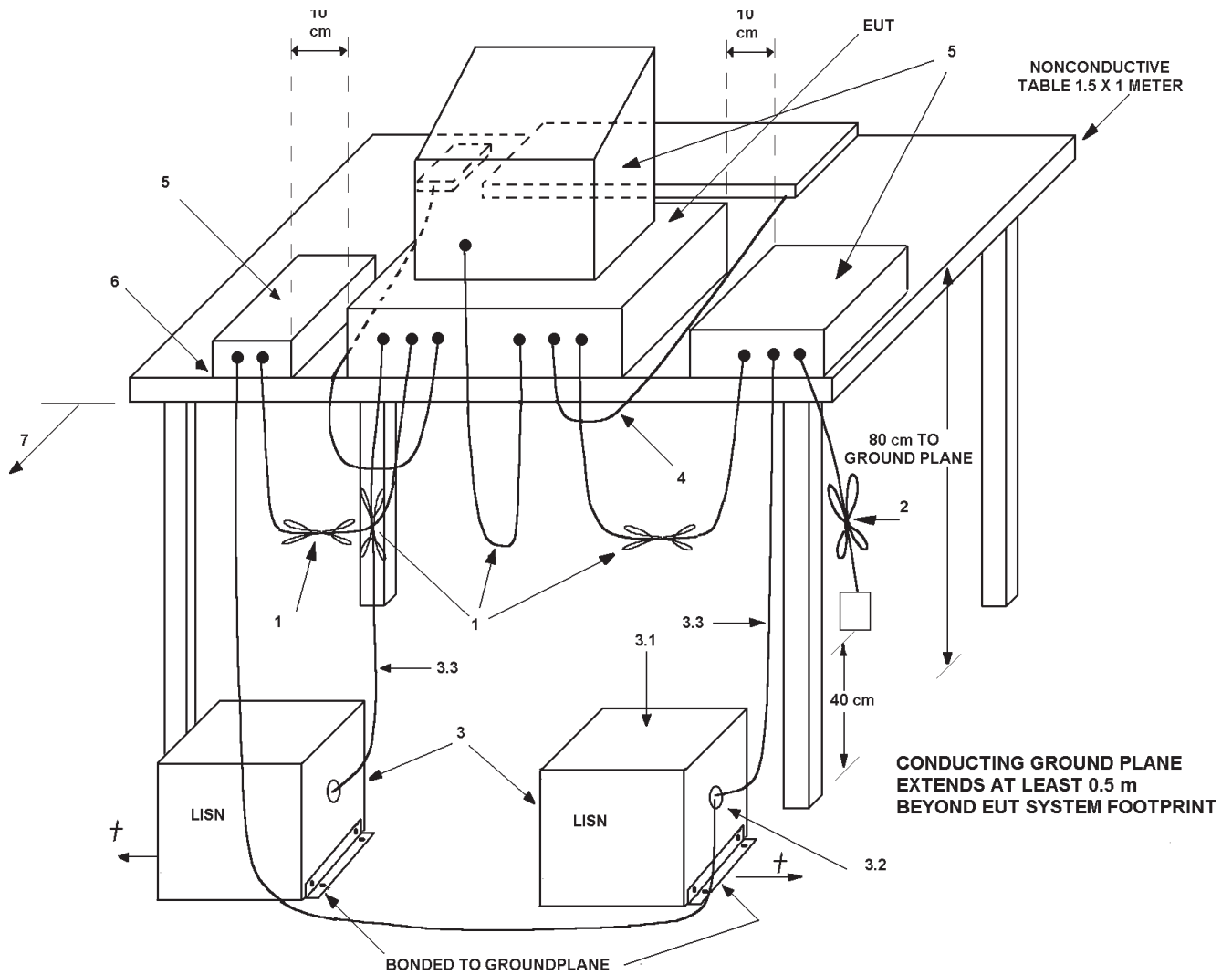
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Reviewed by: Stephen Rackleff
Printed

[Signature]
Signature

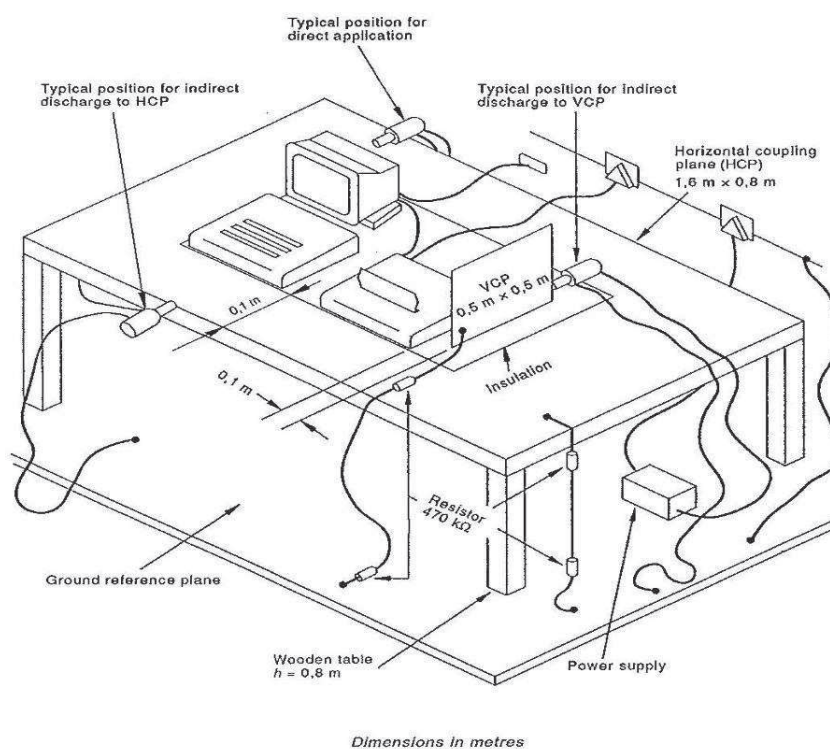
Conducted Emissions Test Setup, 0.15 to 30 MHz

ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9 kHz TO 40 GHz

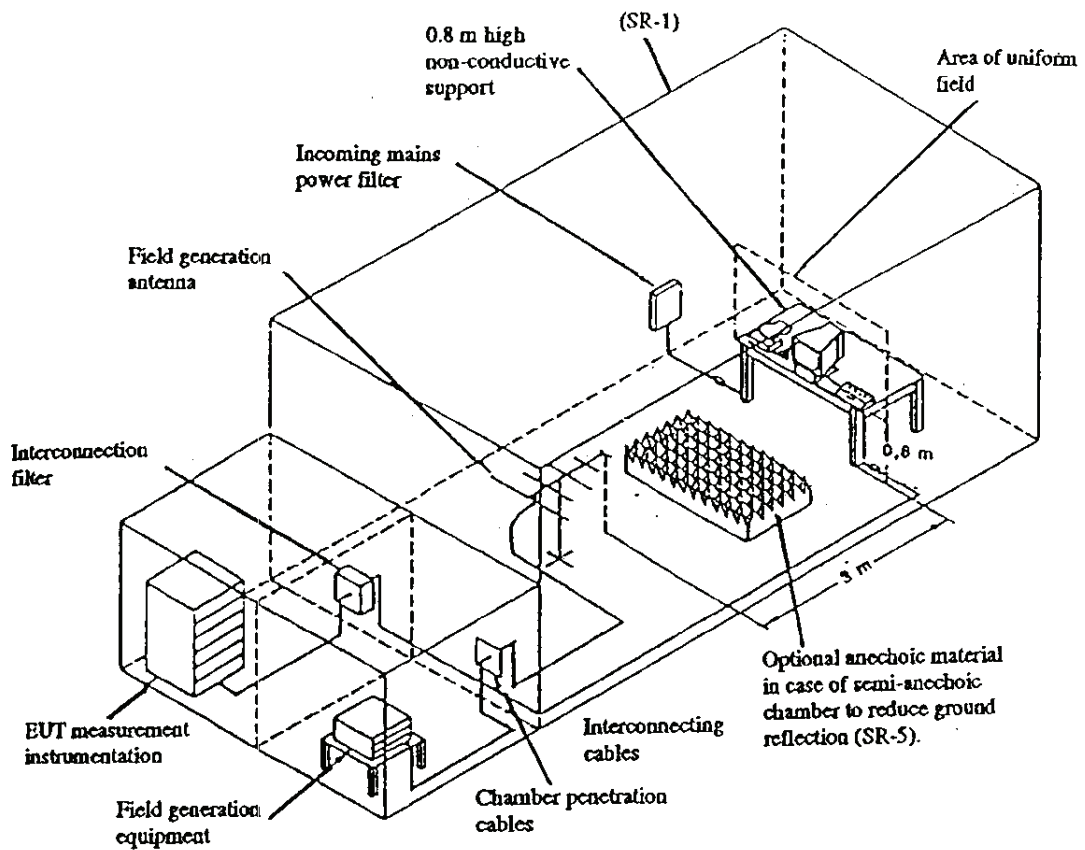


[illegible]

Test Configuration for ESD, Tabletop Unit

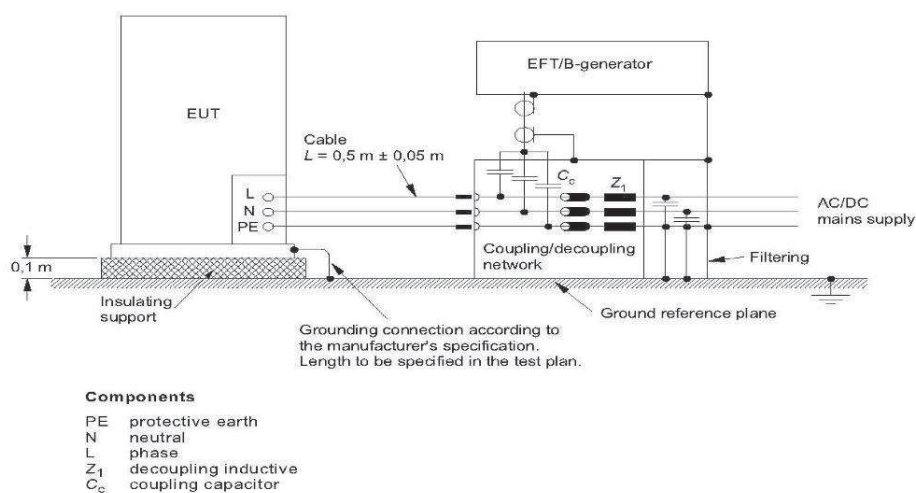


Test Configuration for Radiated E Fields Immunity



NOTE - Anechoic lining material on walls and ceiling has been omitted for clarity.

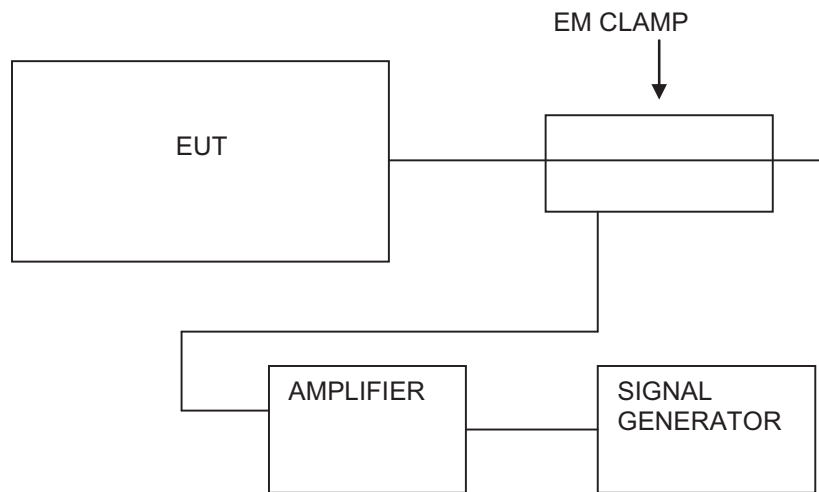
Test Configuration for Electrical Fast Transient/Burst Immunity



NOTE 1 DC terminals can be treated in a similar way.

NOTE 2 Signal and power cables between the CDN and EUT can be up to 1 m in length if so specified in product or product family standards.

Test Configuration for Immunity to Conducted Disturbances



Test Setup for Power Frequency Magnetic Field

