Date/Time: 12/17/2009 10:21:16 PM

Test Laboratory: Compliance Certification Services

## UMTS850

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: UMTS850; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

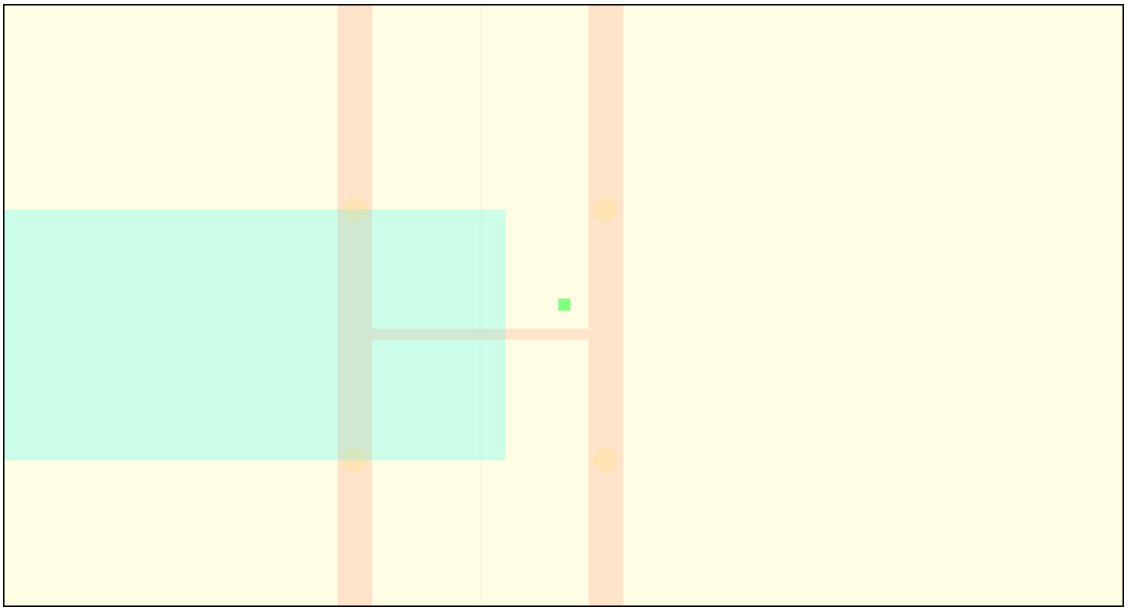
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/z (axial) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.151969 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.3 dB
ABM1 comp = 5.63 dB A/m
BWC Factor = 0.151969 dB
Location: -16.7, -5.8, 3.7 mm



0 dB = 1.00

Date/Time: 12/17/2009 10:22:17 PM

Test Laboratory: Compliance Certification Services

## UMTS850

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: UMTS850; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

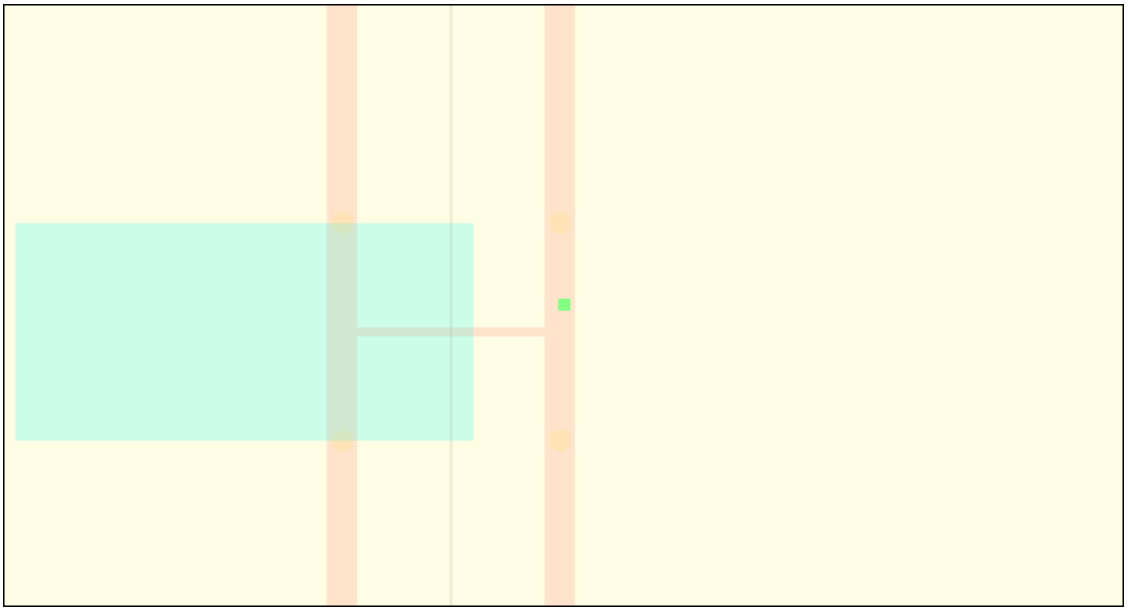
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/x (longitudinal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.151969 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 45.8 dB
ABM1 comp = 6.92 dB A/m
BWC Factor = 0.151969 dB
Location: -25.8, -6, 3.7 mm



0 dB = 1.00

Date/Time: 12/17/2009 10:22:58 PM

Test Laboratory: Compliance Certification Services

## UMTS850

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: UMTS850; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

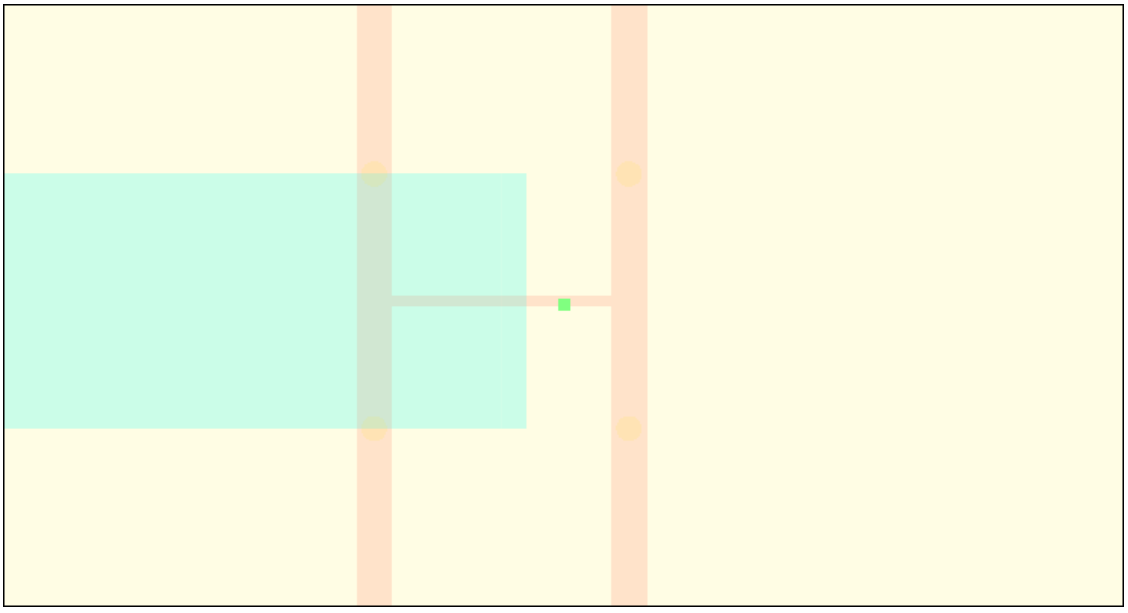
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/y (transversal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.151969 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.2 dB
ABM1 comp = 4.80 dB A/m
BWC Factor = 0.151969 dB
Location: -12.2, 0.8, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 3:07:33 AM

Test Laboratory: Compliance Certification Services

## UMTS850 with indcuctive cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: UMTS850; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

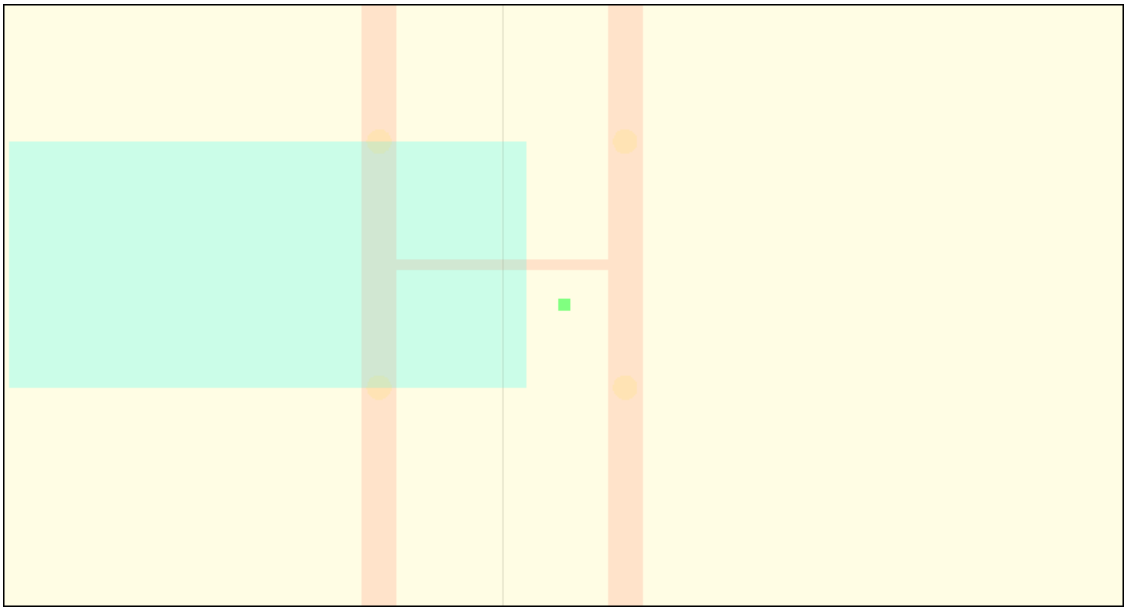
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/z (axial) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.151969 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.1 dB
ABM1 comp = 4.97 dB A/m
BWC Factor = 0.151969 dB
Location: -12.5, 8.3, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 3:08:35 AM

Test Laboratory: Compliance Certification Services

## UMTS850 with indcuctive cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: UMTS850; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

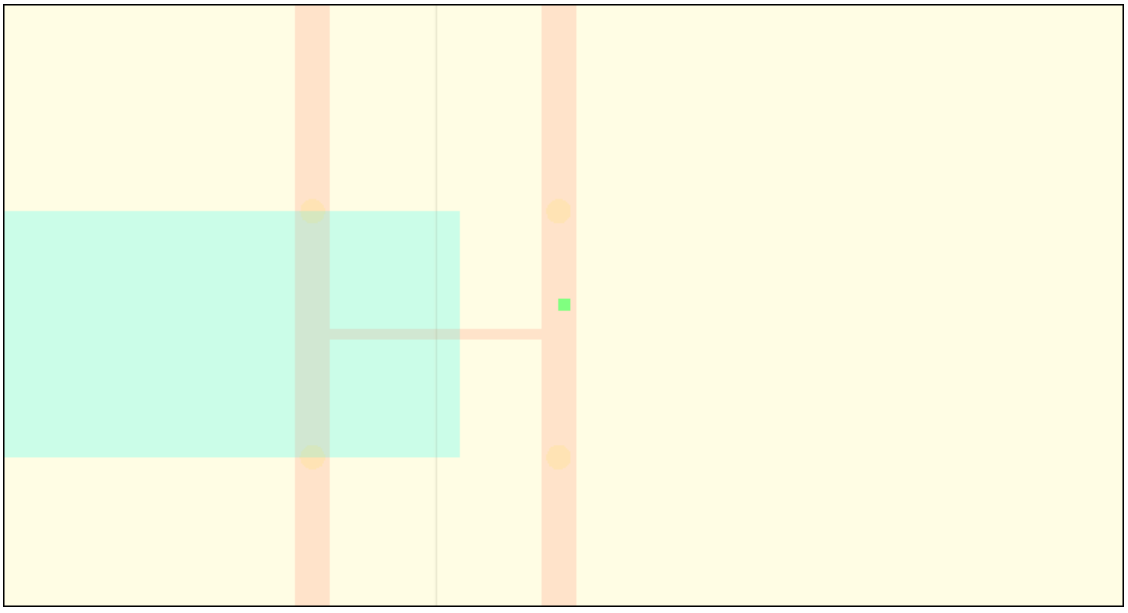
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/x (longitudinal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.151969 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 45.6 dB
ABM1 comp = 6.67 dB A/m
BWC Factor = 0.151969 dB
Location: -26, -5.8, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 3:09:15 AM

Test Laboratory: Compliance Certification Services

## UMTS850 with indcuctive cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: UMTS850; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

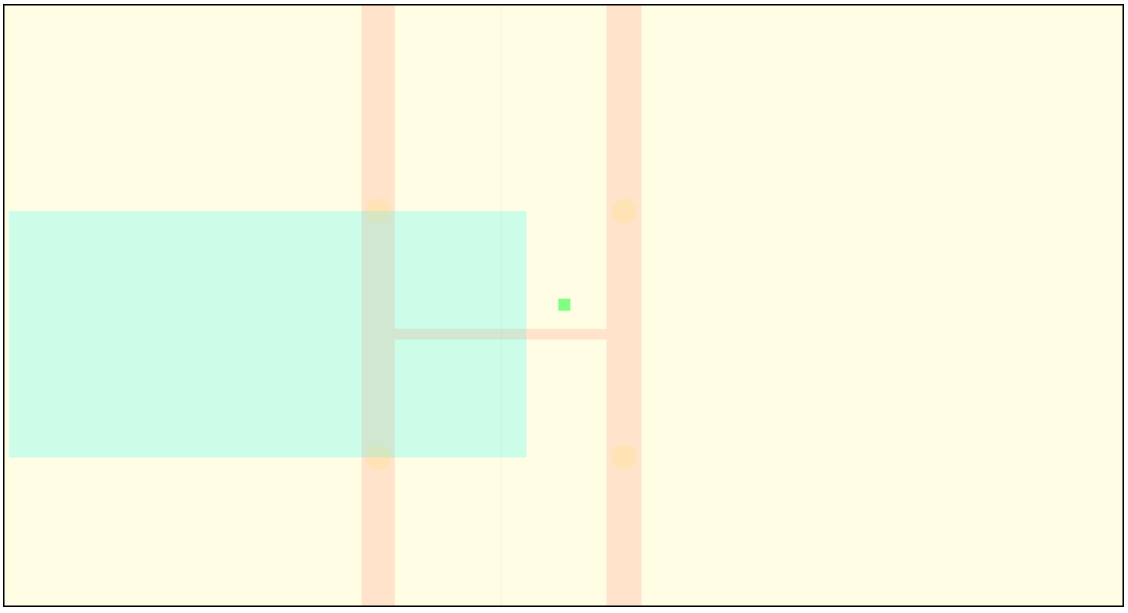
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/y (transversal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.151969 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.4 dB
ABM1 comp = 6.27 dB A/m
BWC Factor = 0.151969 dB
Location: -12.7, -5.8, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 12:01:46 AM

Test Laboratory: Compliance Certification Services

## UMTS1900

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/$m^3$
Phantom section: TCoil Section

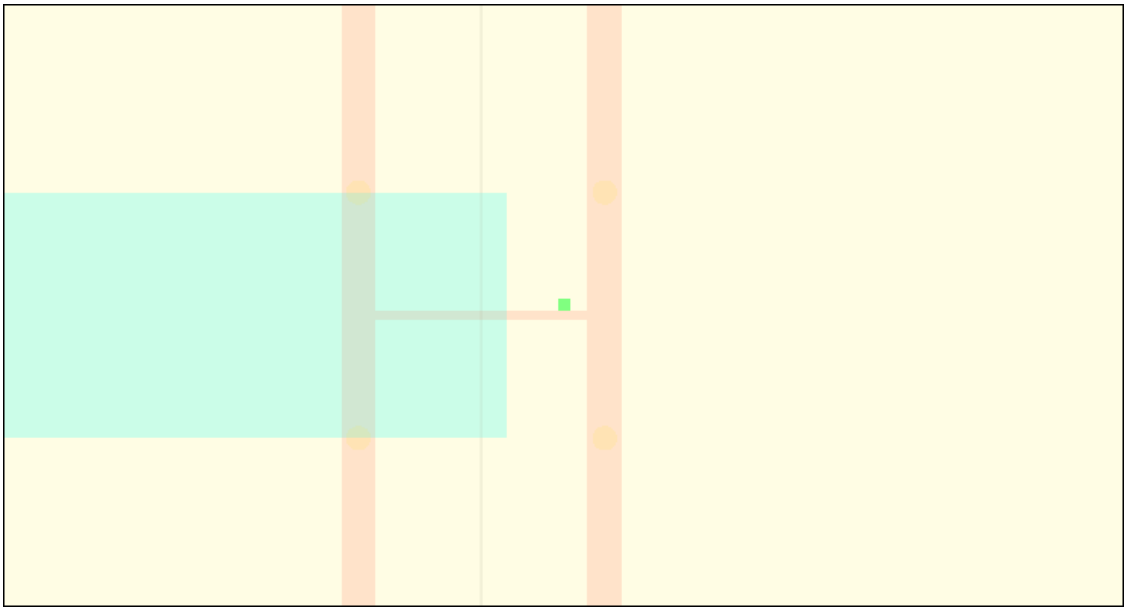
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/z (axial) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.152993 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.2 dB
ABM1 comp = 3.48 dB A/m
BWC Factor = 0.152993 dB
Location: -16.7, -2, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 12:02:50 AM

Test Laboratory: Compliance Certification Services

## UMTS1900

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/$m^3$
Phantom section: TCoil Section

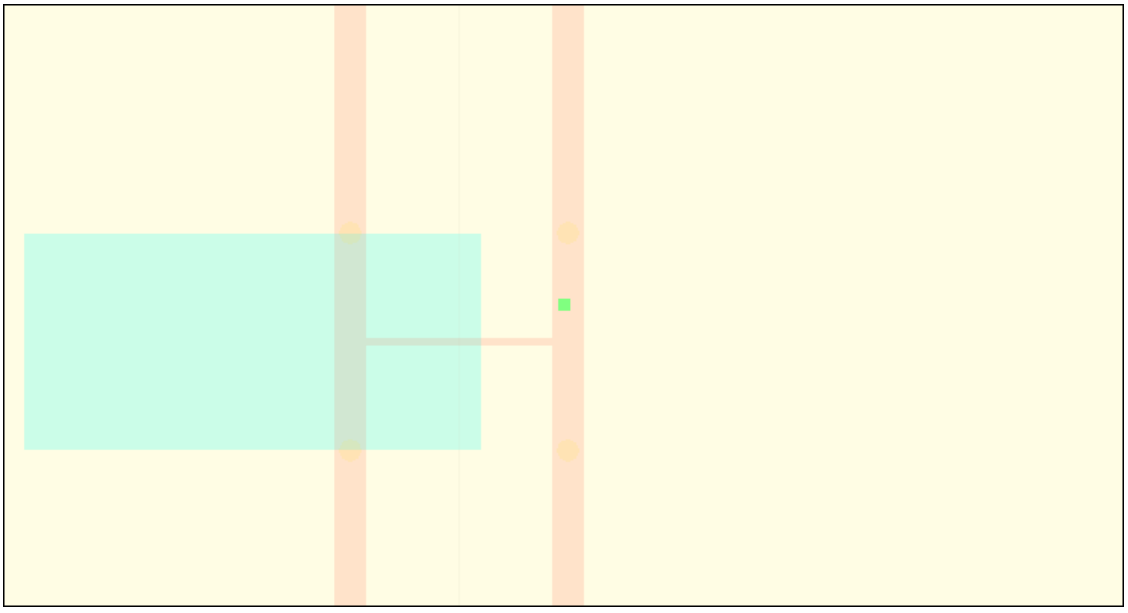
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/x (longitudinal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.152993 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 46.8 dB
ABM1 comp = 8.08 dB A/m
BWC Factor = 0.152993 dB
Location: -24, -8.3, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 12:03:31 AM

Test Laboratory: Compliance Certification Services

## UMTS1900

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/$m^3$
Phantom section: TCoil Section

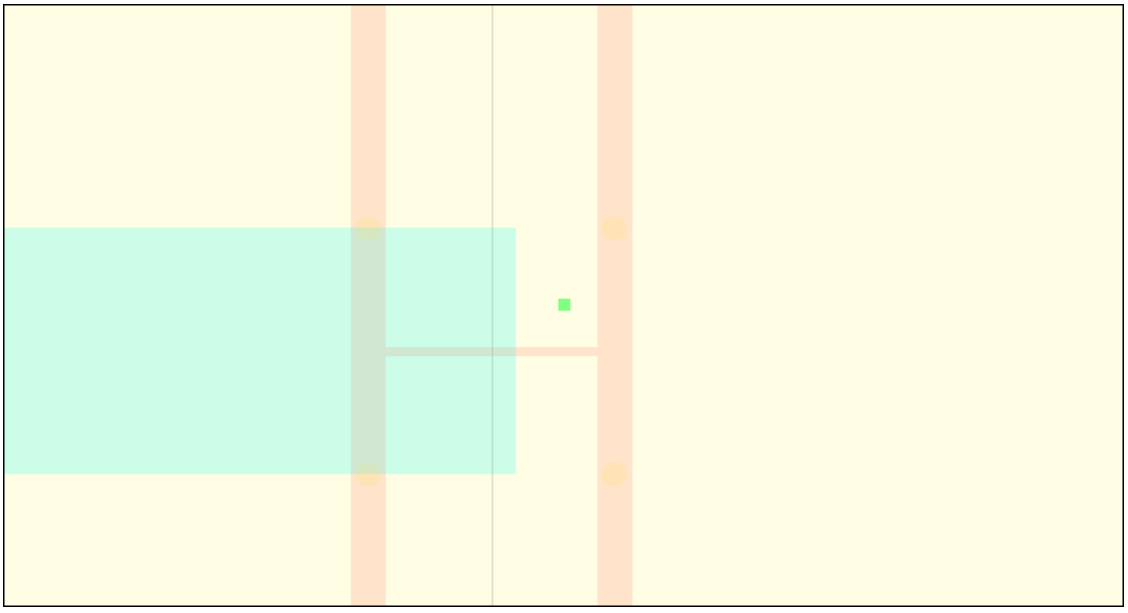
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/y (transversal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.152993 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.2 dB
ABM1 comp = 8.30 dB A/m
BWC Factor = 0.152993 dB
Location: -14.7, -9.3, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 1:33:38 AM

Test Laboratory: Compliance Certification Services

## UMTS1900 with indcuctive cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

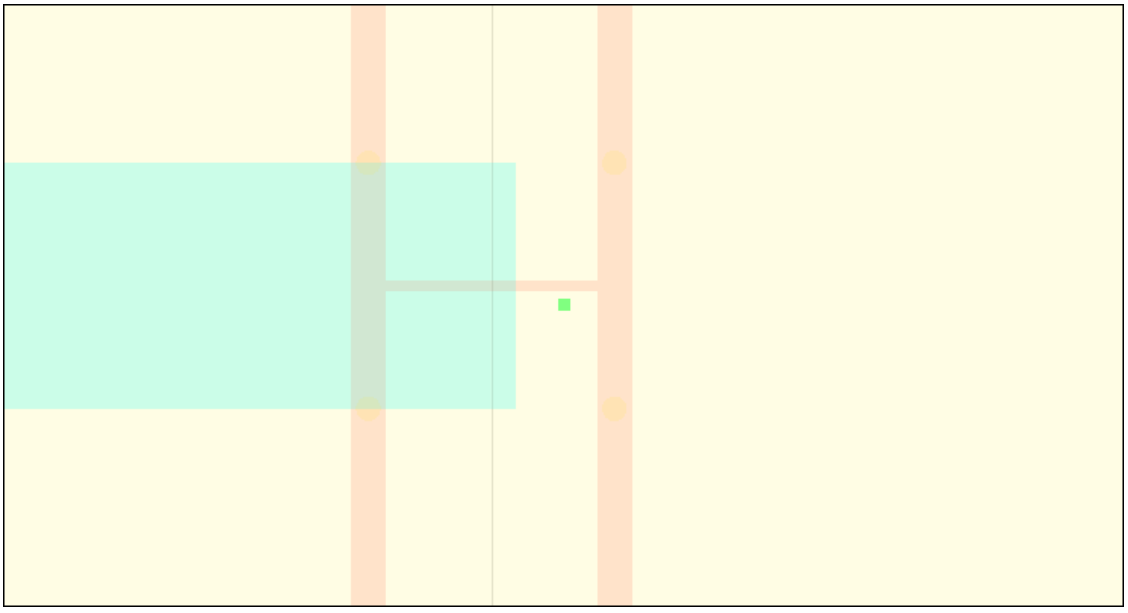
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/z (axial) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.152993 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 47.3 dB
ABM1 comp = 5.13 dB A/m
BWC Factor = 0.152993 dB
Location: -14.7, 4, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 1:34:40 AM

Test Laboratory: Compliance Certification Services

## UMTS1900 with indcuctive cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/m$^3$
Phantom section: TCoil Section

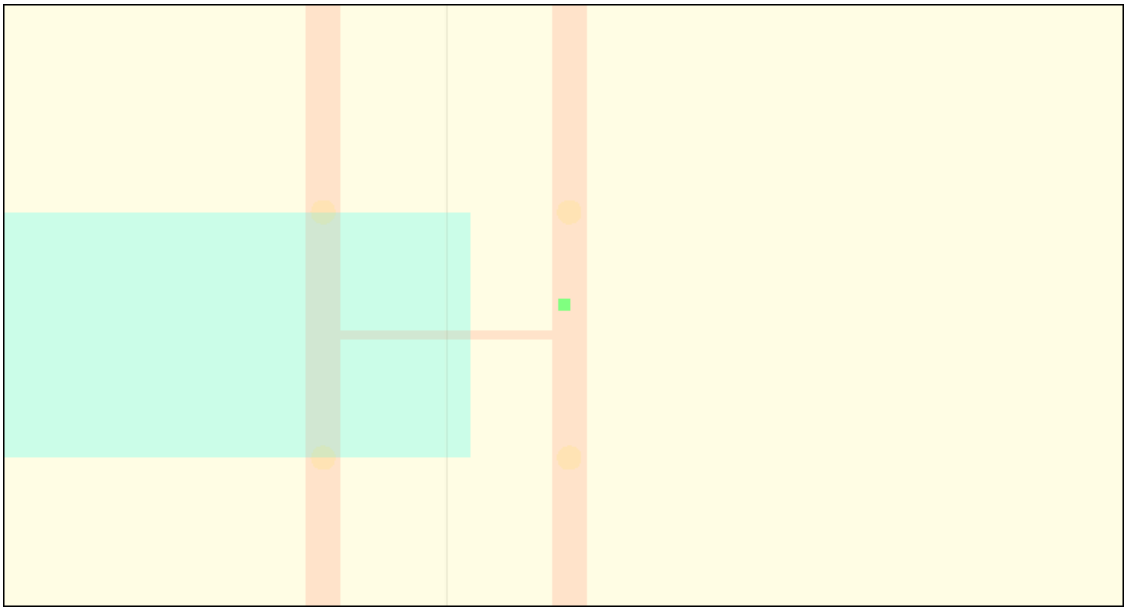
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/x (longitudinal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.152993 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 45.5 dB
ABM1 comp = 8.38 dB A/m
BWC Factor = 0.152993 dB
Location: -23.8, -6, 3.7 mm



0 dB = 1.00

Date/Time: 12/18/2009 1:35:21 AM

Test Laboratory: Compliance Certification Services

## UMTS1900 with indcuctive cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma$ = 0 mho/m, $\varepsilon_r$ = 1; $\rho$ = 1 kg/$m^3$
Phantom section: TCoil Section

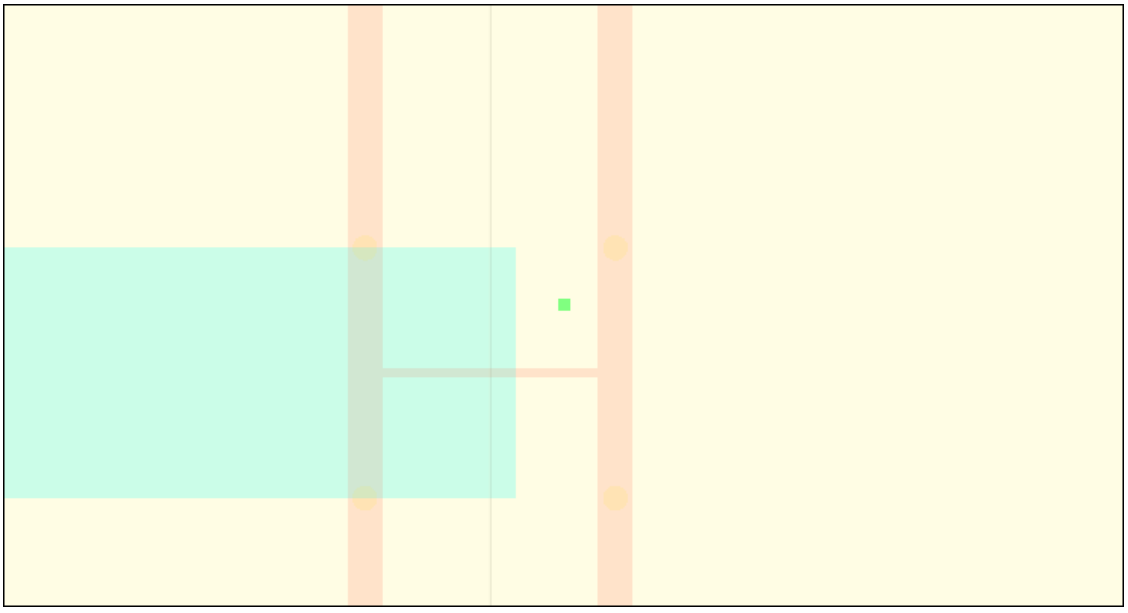
DASY4 Configuration:
- Probe: AM1DV2 - 1012; ; Calibrated: 2/9/2009
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: n/a
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## Point scan/y (transversal) scan at point with noise/ABM SNR(x,y,z) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 39.4
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.152993 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

| Category | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|---|---|
| Category T1 | 0 dB to 10 dB |
| Category T2 | 10 dB to 20 dB |
| Category T3 | 20 dB to 30 dB |
| Category T4 | > 30 dB |

**Cursor:**
ABM1/ABM2 = 46.4 dB
ABM1 comp = 9.19 dB A/m
BWC Factor = 0.152993 dB
Location: -14.7, -13.5, 3.7 mm



0 dB = 1.00