

Test Laboratory: Compliance Certification Services

GSM850

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: Cell Band - GSM/WCDMA; Frequency: 836 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.158027 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

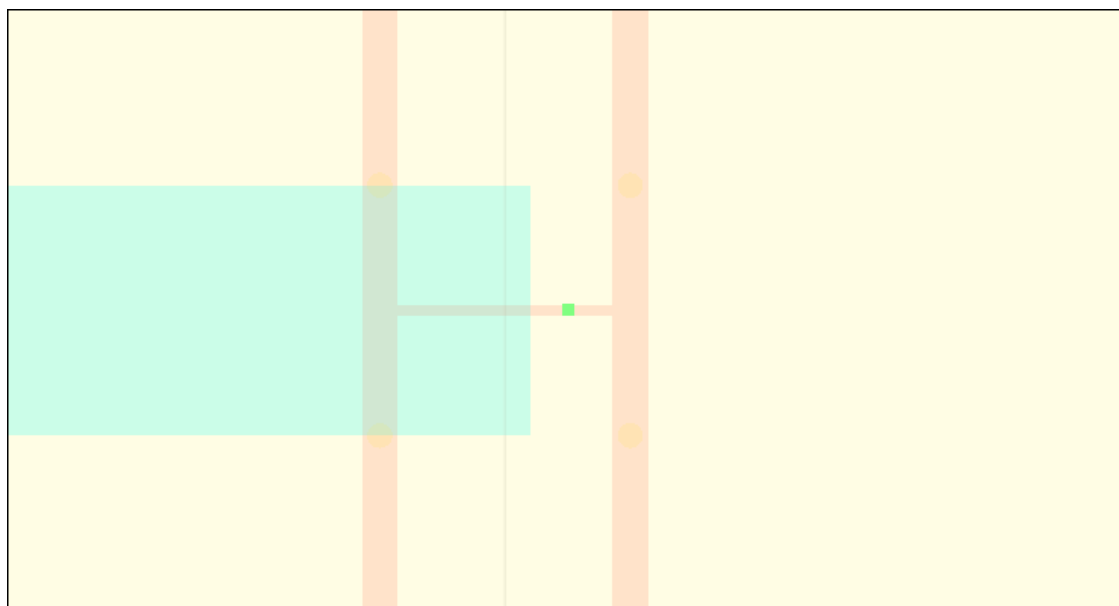
Cursor:

ABM1/ABM2 = 35.3 dB

ABM1 comp = 13.6 dB A/m

BWC Factor = 0.158027 dB

Location: -12.5, 0, 3.7 mm



0 dB = 1.00

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- 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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.158027 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

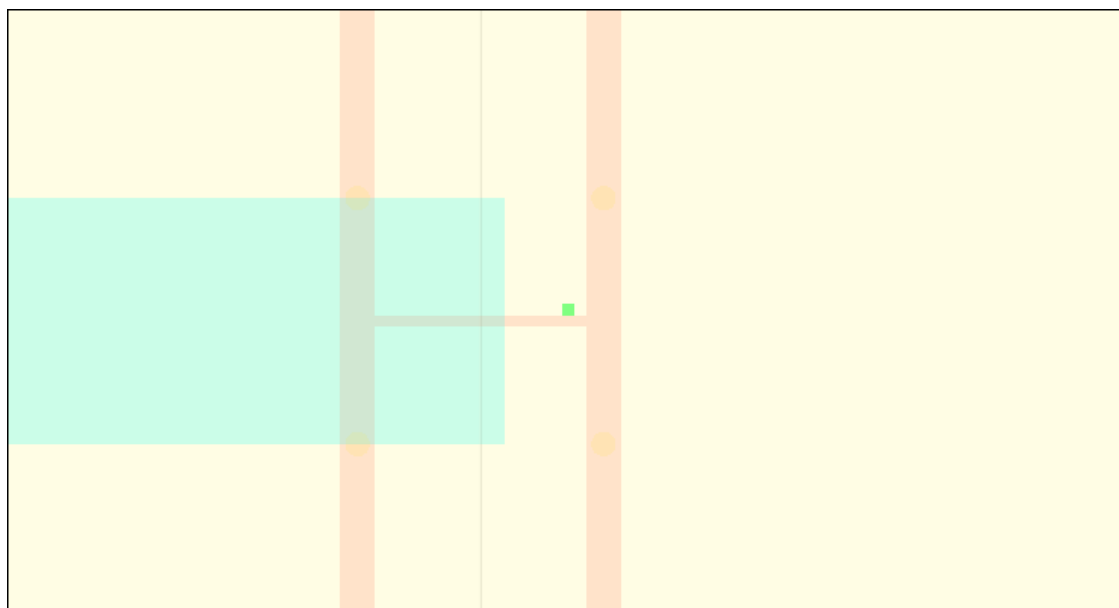
Cursor:

ABM1/ABM2 = 24.4 dB

ABM1 comp = 13.2 dB A/m

BWC Factor = 0.158027 dB

Location: -17.7, -2.2, 3.7 mm



0 dB = 1.00

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Communication System: Cell Band - GSM/WCDMA; Frequency: 836 MHz; Duty Cycle: 1:8.3

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- 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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.158027 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

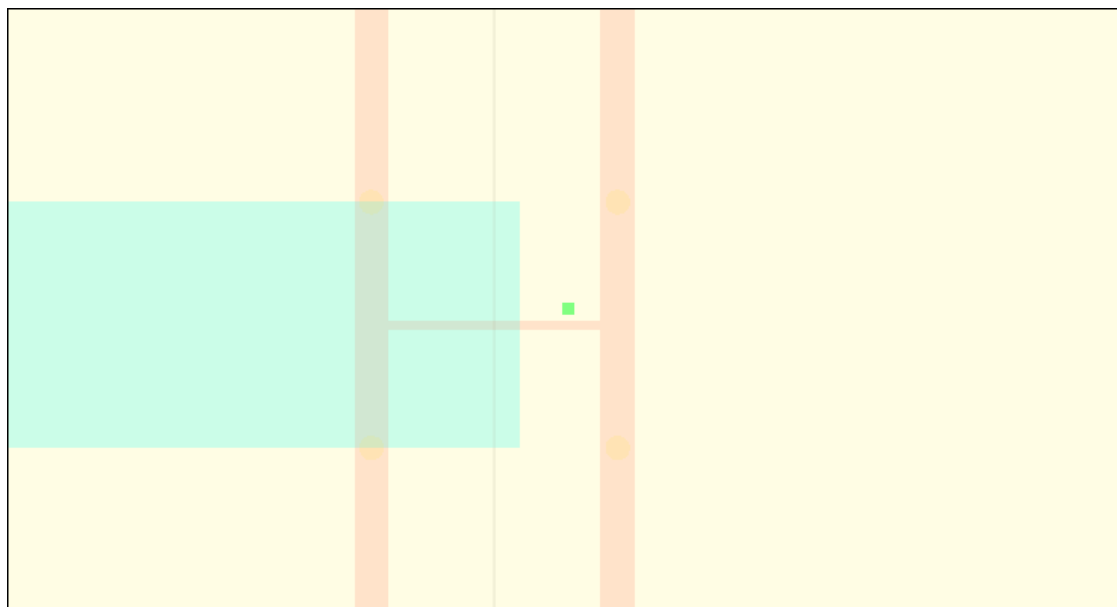
Cursor:

ABM1/ABM2 = 42.3 dB

ABM1 comp = -5.64 dB A/m

BWC Factor = 0.158027 dB

Location: -14.8, -3.2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM850 With Inductive Cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: Cell Band - GSM/WCDMA; Frequency: 836 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

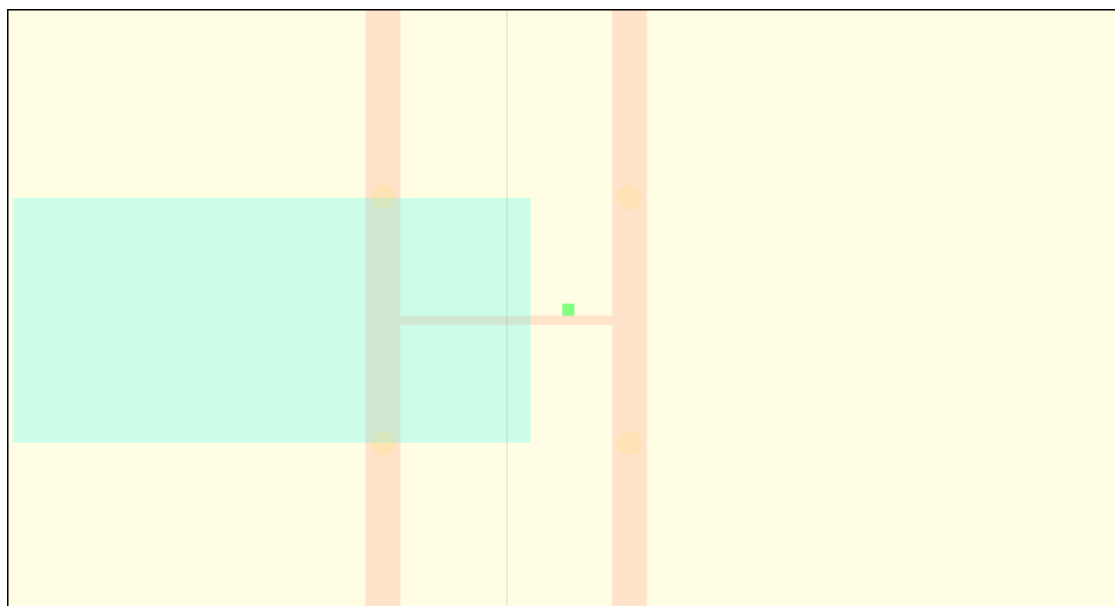
Cursor:

ABM1/ABM2 = 34.9 dB

ABM1 comp = 14.2 dB A/m

BWC Factor = 0.15103 dB

Location: -12.5, -2, 3.7 mm



0 dB = 1.00

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GSM850 With Inductive Cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: Cell Band - GSM/WCDMA; Frequency: 836 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

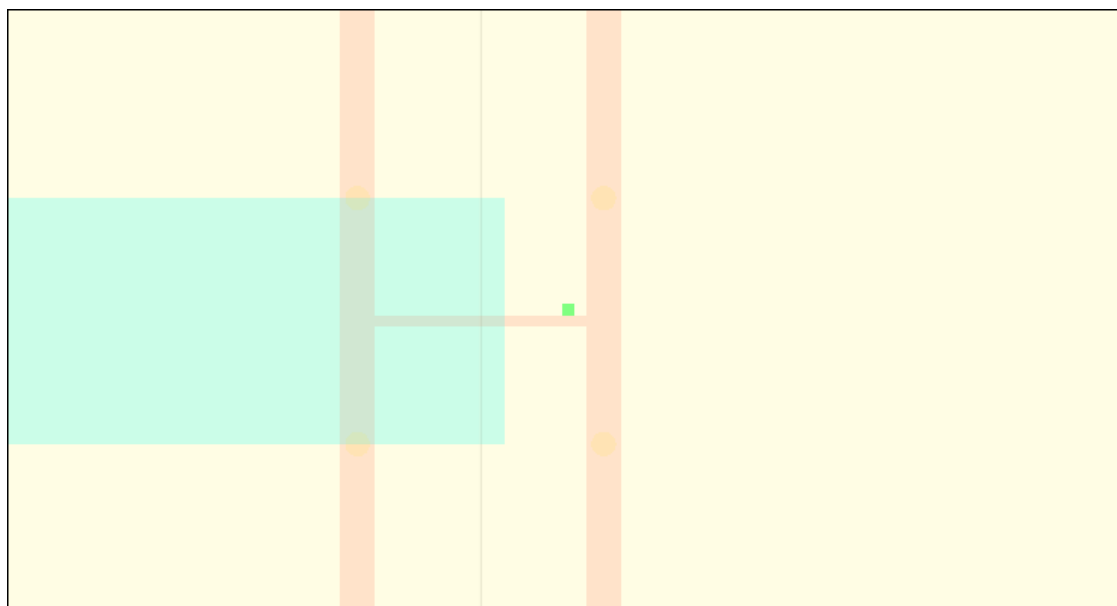
Cursor:

ABM1/ABM2 = 24.1 dB

ABM1 comp = 13.4 dB A/m

BWC Factor = 0.15103 dB

Location: -17.7, -2.2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM850 With Inductive Cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: Cell Band - GSM/WCDMA; Frequency: 836 MHz; Duty Cycle: 1:8.3

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

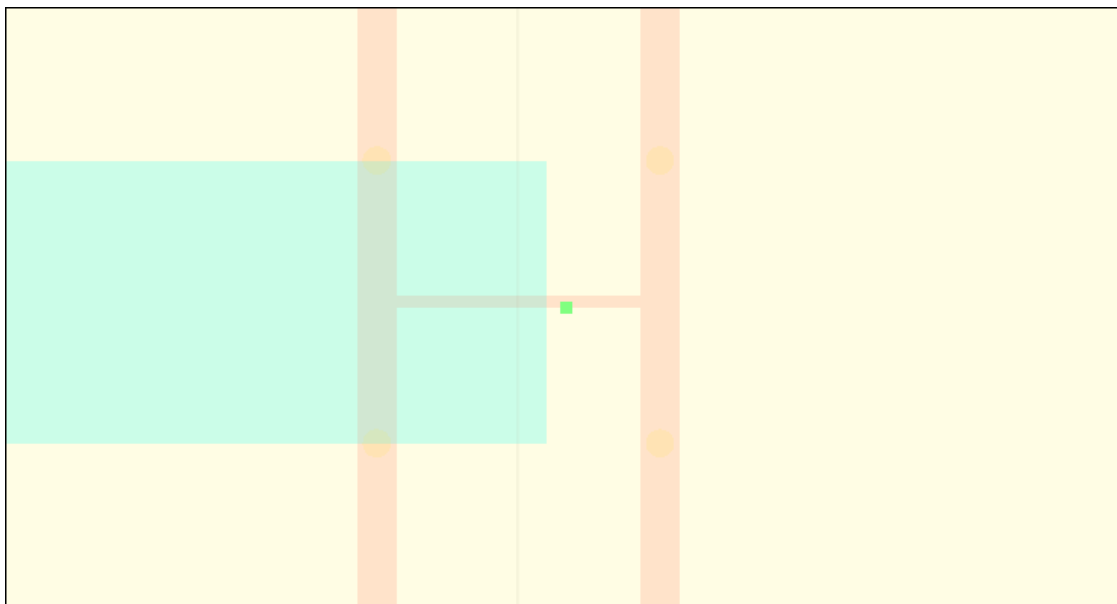
Cursor:

ABM1/ABM2 = 46.0 dB

ABM1 comp = 8.98 dB A/m

BWC Factor = 0.15103 dB

Location: -8.3, 1.2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM1900

DUT: Palm; Type: P121UNA; Serial: n/a

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: /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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

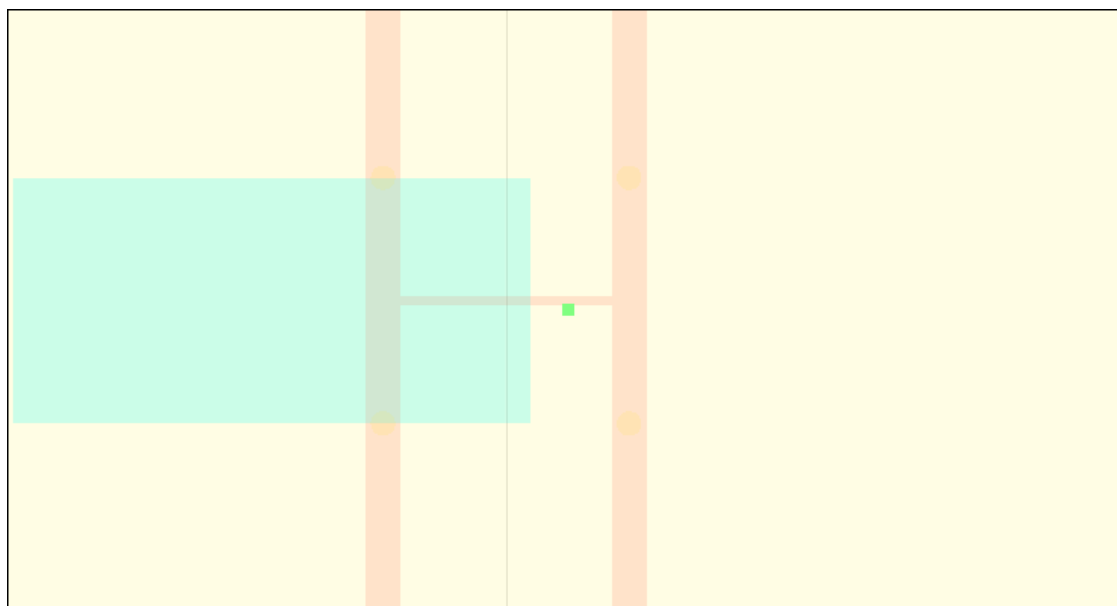
Cursor:

ABM1/ABM2 = 39.2 dB

ABM1 comp = 14.0 dB A/m

BWC Factor = 0.15103 dB

Location: -12.5, 2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM1900

DUT: Palm; Type: P121UNA; Serial: n/a

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

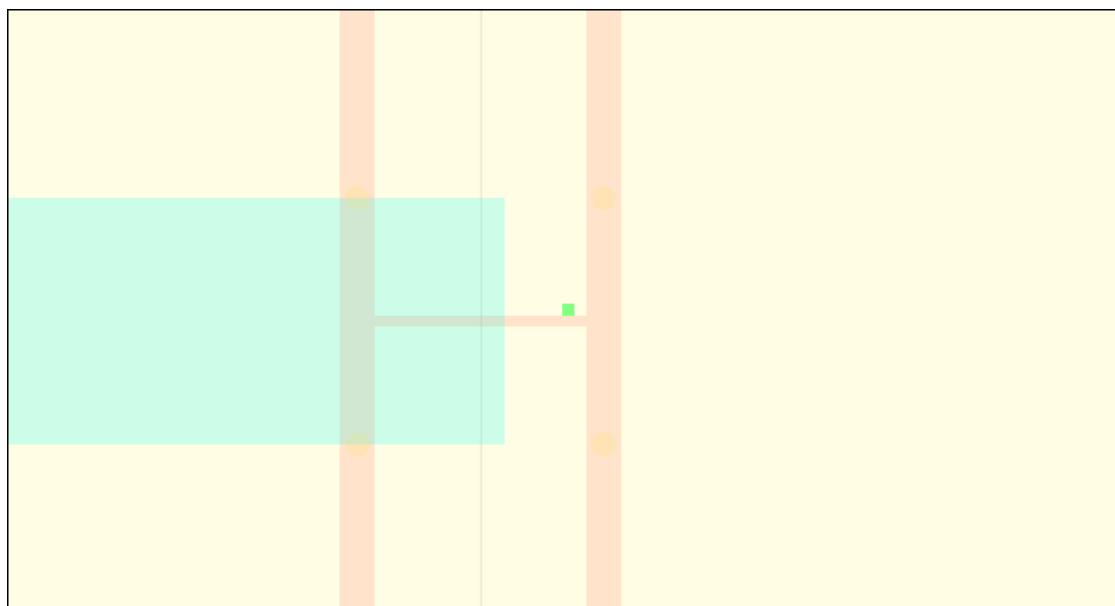
Cursor:

ABM1/ABM2 = 29.9 dB

ABM1 comp = 13.8 dB A/m

BWC Factor = 0.15103 dB

Location: -17.7, -2.2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM1900

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

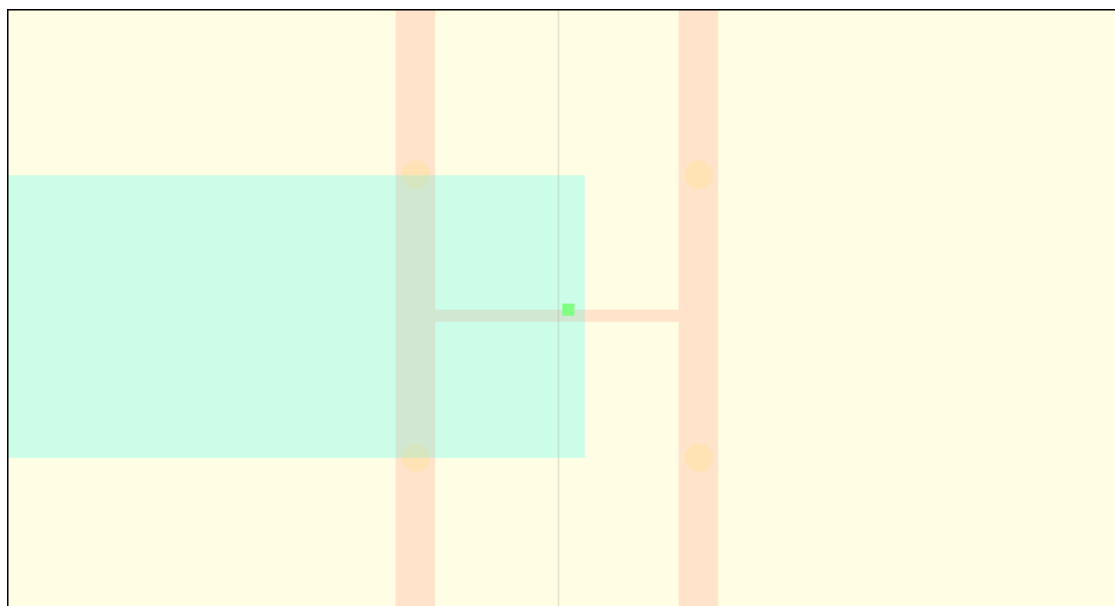
Cursor:

ABM1/ABM2 = 45.1 dB

ABM1 comp = 3.07 dB A/m

BWC Factor = 0.15103 dB

Location: -1.8, -1, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM1900 With Inductive Cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 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

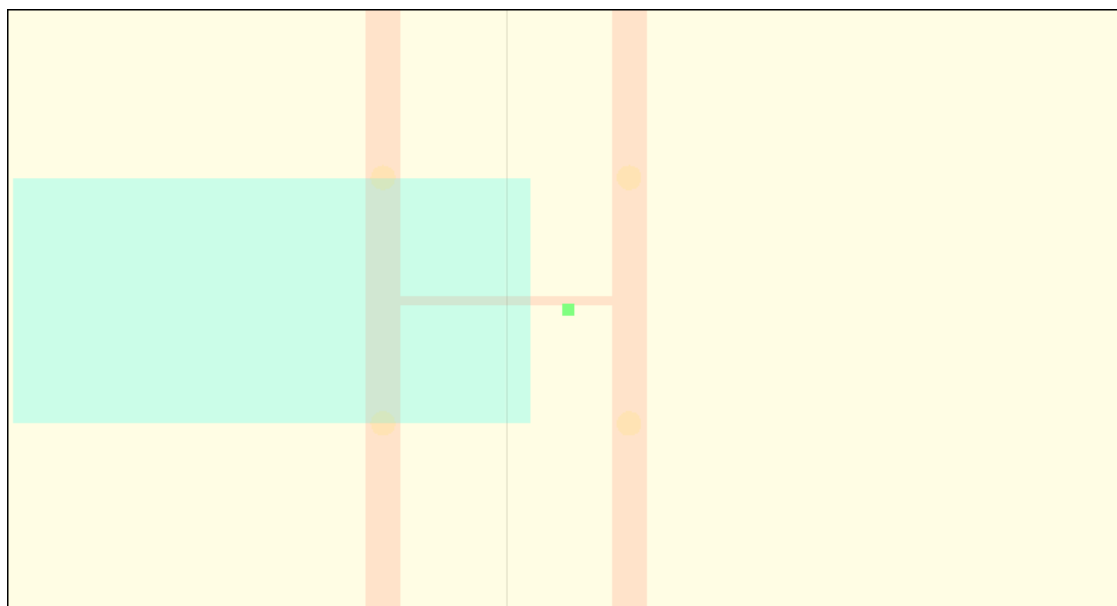
Cursor:

ABM1/ABM2 = 40.5 dB

ABM1 comp = 14.0 dB A/m

BWC Factor = 0.15103 dB

Location: -12.5, 2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM1900 With Inductive Cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

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Category T1	0 dB to 10 dB
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Category T3	20 dB to 30 dB
Category T4	> 30 dB

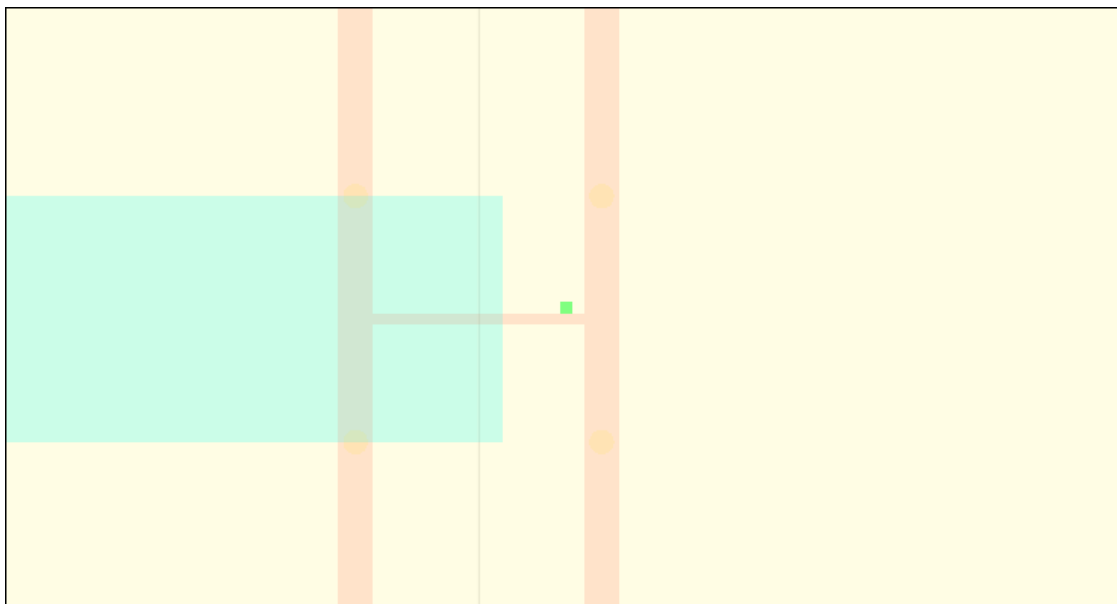
Cursor:

ABM1/ABM2 = 30.6 dB

ABM1 comp = 13.8 dB A/m

BWC Factor = 0.15103 dB

Location: -17.7, -2.2, 3.7 mm



0 dB = 1.00

Test Laboratory: Compliance Certification Services

GSM1900 With Inductive Cover

DUT: Palm; Type: P121UNA; Serial: 7049

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

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- 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: 49

Measure Window Start: 0ms

Measure Window Length: 1000ms

BWC applied: 0.15103 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

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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

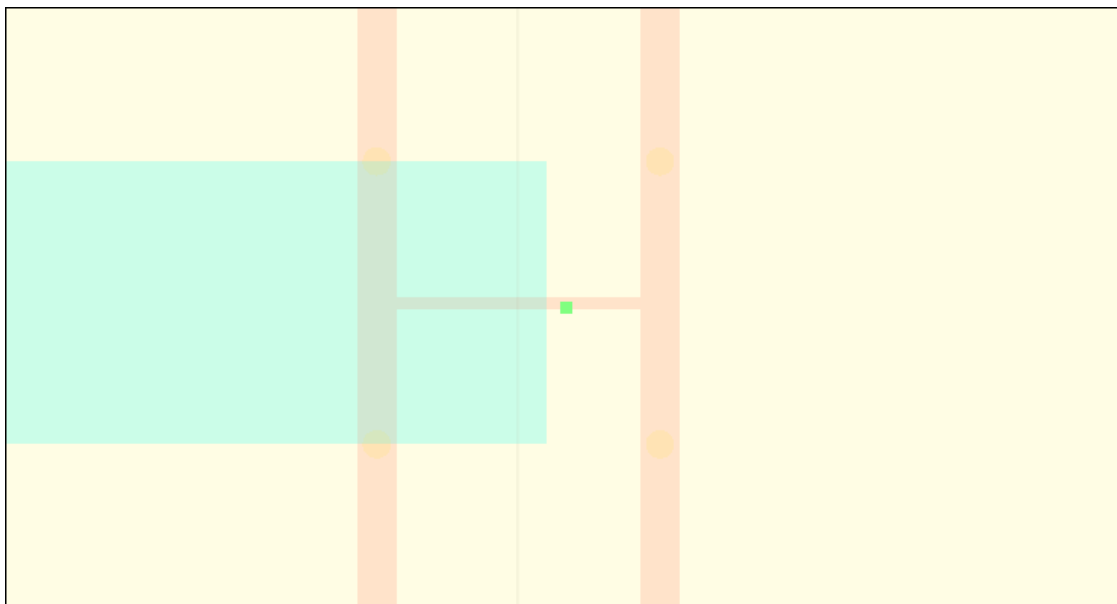
Cursor:

ABM1/ABM2 = 45.7 dB

ABM1 comp = 8.35 dB A/m

BWC Factor = 0.15103 dB

Location: -8.3, 1, 3.7 mm



0 dB = 1.00