



Applicant	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-13C-0812-R0

EXHIBIT 13 APPENDIX C: T-COIL DATA PLOT

PCS



Applicant	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-13C-0812-R0

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_ C5133_TCoil_PCS_Ch. 25 z(axial)

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
 Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011
 Sensor-Surface: 0mm (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/30/2012
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_25/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 48.8 dB
 ABM1 comp = -5.16 dB A/m
 BWC Factor = 0.155041 dB
 Location: 0, 0, 3.7 mm

General Scans_25/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

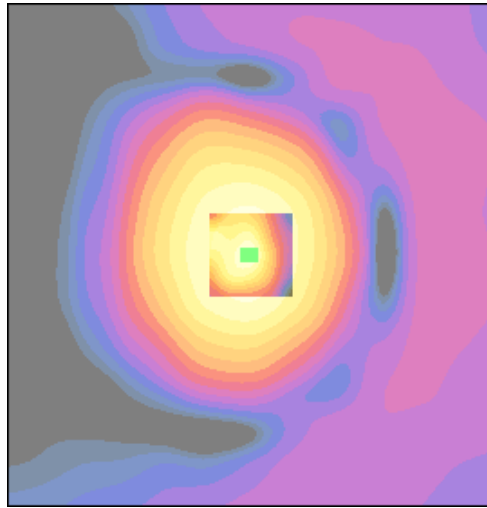
Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 48.8 dB
 ABM1 comp = -5.00 dB A/m
 BWC Factor = 0.155041 dB
 Location: 0.4, 0, 3.7 mm



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0 dB = 276.9

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS_Ch. 25 x(longitudinal)

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

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

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_25/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 41.5 dB

ABM1 comp = -13.6 dB A/m

BWC Factor = 0.155041 dB

Location: -7.9, -2.1, 3.7 mm

General Scans_25/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 41.5 dB

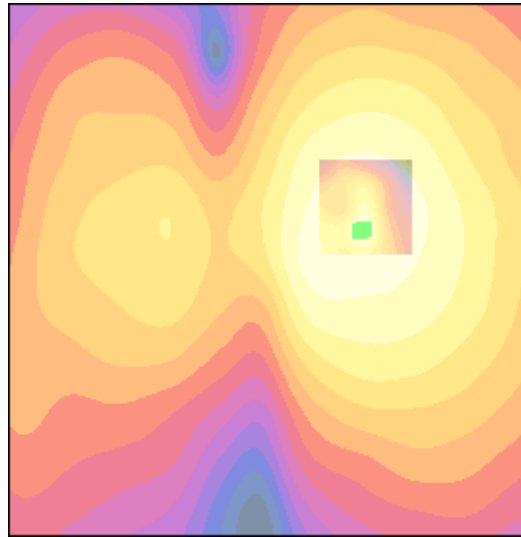
ABM1 comp = -13.7 dB A/m

BWC Factor = 0.155041 dB

Location: -8.1, -2.4, 3.7 mm



Applicant	Kyocera
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0 dB = 118.3

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS_Ch. 25 y(transversal)

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

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

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_25/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 43.8 dB

ABM1 comp = -13.3 dB A/m

BWC Factor = 0.155041 dB

Location: 0, -6.7, 3.7 mm

General Scans_25/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 43.1 dB

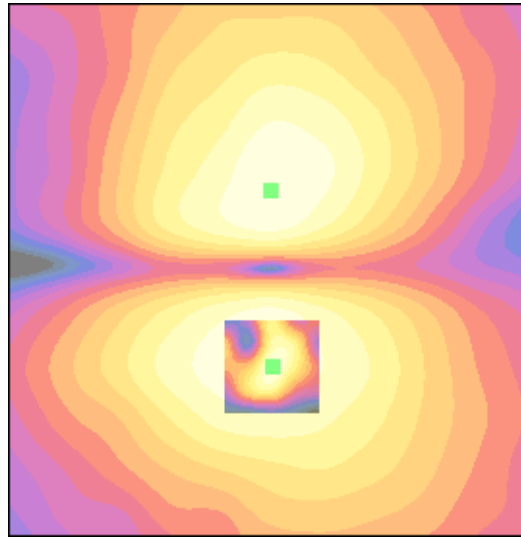
ABM1 comp = -14.3 dB A/m

BWC Factor = 0.155041 dB

Location: -0.2, 8.3, 3.7 mm



Applicant	Kyocera
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0 dB = 154.7

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_ C5133_TCoil_PCS Ch. 600 z(axial)

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011
 Sensor-Surface: 0mm (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/30/2012
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_600/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 49.0 dB
 ABM1 comp = -5.02 dB A/m
 BWC Factor = 0.155041 dB
 Location: 0.4, -0.4, 3.7 mm

General Scans_600/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

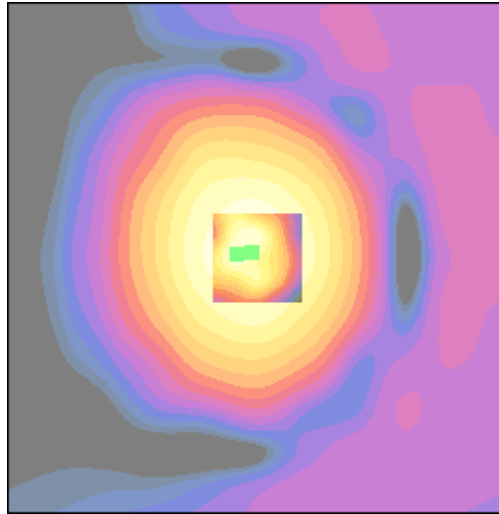
Cursor:

ABM1/ABM2 = 49.0 dB
 ABM1 comp = -4.28 dB A/m



Applicant	Kyocera
FCC ID:	V65C5133
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BWC Factor = 0.155041 dB
Location: 1.8, -0.4, 3.7 mm



0 dB = 281.5

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS Ch. 600 x (longitudinal)

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn527, Calibrated: 7/30/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_600/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 41.3 dB
ABM1 comp = -13.5 dB A/m
BWC Factor = 0.155041 dB
Location: -7.9, 0, 3.7 mm

General Scans_600/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

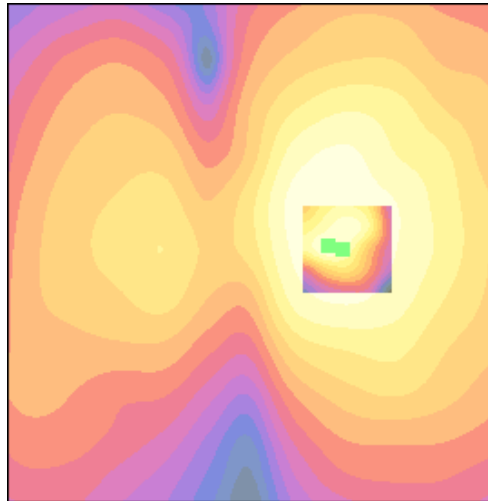
Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 41.2 dB
ABM1 comp = -12.7 dB A/m

Applicant	Kyocera
FCC ID:	V65C5133
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BWC Factor = 0.155041 dB
Location: -6.5, -0.4, 3.7 mm



0 dB = 115.6

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS_Ch. 600 y(transversal)

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

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

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 44.1 dB

ABM1 comp = -13.7 dB A/m

BWC Factor = 0.155041 dB

Location: 0.4, 6.2, 3.7 mm

General Scans_600/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

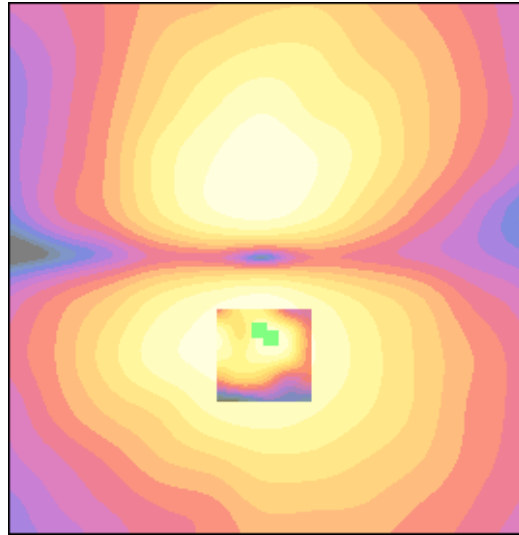
ABM1/ABM2 = 43.8 dB

ABM1 comp = -13.9 dB A/m



Applicant	Kyocera
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BWC Factor = 0.155041 dB
Location: -0.6, 6.9, 3.7 mm



0 dB = 160.2

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS_Ch.1175 z(axial)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn527, Calibrated: 7/30/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_1175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 48.7 dB
ABM1 comp = -4.92 dB A/m
BWC Factor = 0.155041 dB
Location: 0.4, 0, 3.7 mm

General Scans_1175/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

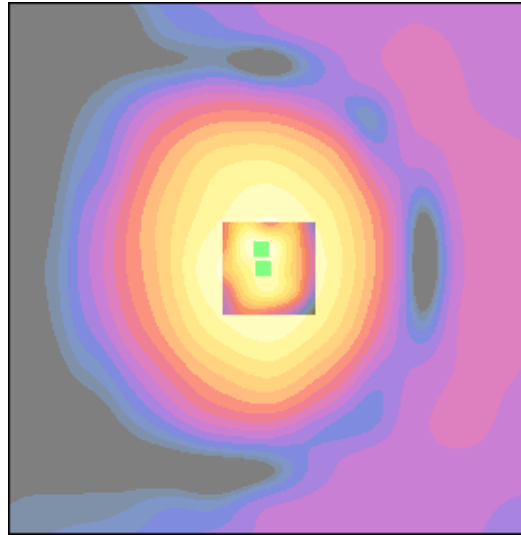
Cursor:

ABM1/ABM2 = 48.4 dB
ABM1 comp = -4.85 dB A/m



Applicant	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-13C-0812-R0

BWC Factor = 0.155041 dB
Location: 0.6, -1.6, 3.7 mm



0 dB = 273.6

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS_Ch. 1175 x(longitudinal)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn527, Calibrated: 7/30/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_1175/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 40.8 dB
ABM1 comp = -12.9 dB A/m
BWC Factor = 0.155041 dB
Location: -6.7, -2.5, 3.7 mm

General Scans_1175/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

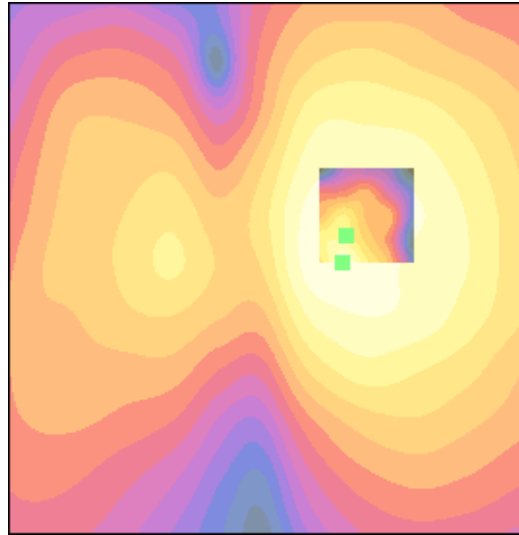
Cursor:

ABM1/ABM2 = 41.5 dB
ABM1 comp = -12.2 dB A/m



Applicant	Kyocera
FCC ID:	V65C5133
Report #:	CT-C5133-13C-0812-R0

BWC Factor = 0.155041 dB
Location: -6.3, -0.2, 3.7 mm



0 dB = 110.3

Test Laboratory: COMPTEST/KYOCERA

Date: 08/24/2012

FCC_C5133_TCoil_PCS_Ch. 1175 y(transversal)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/15/2011
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn527, Calibrated: 7/30/2012
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_1175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 43.3 dB
ABM1 comp = -14.6 dB A/m
BWC Factor = 0.155041 dB
Location: 0, 6.7, 3.7 mm

General Scans_1175/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
BWC applied: 0.155041 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

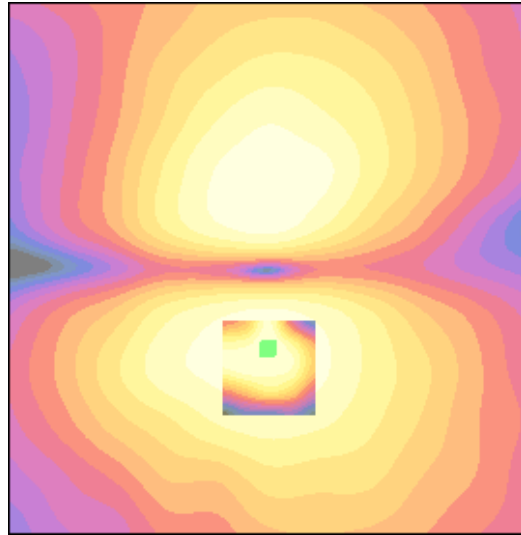
Cursor:

ABM1/ABM2 = 43.2 dB
ABM1 comp = -14.2 dB A/m



Applicant	Kyocera
FCC ID:	V65C5133
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BWC Factor = 0.155041 dB
Location: 0.2, 6.7, 3.7 mm



0 dB = 146.0