GSM850 with Wireless Charging Battery Cover

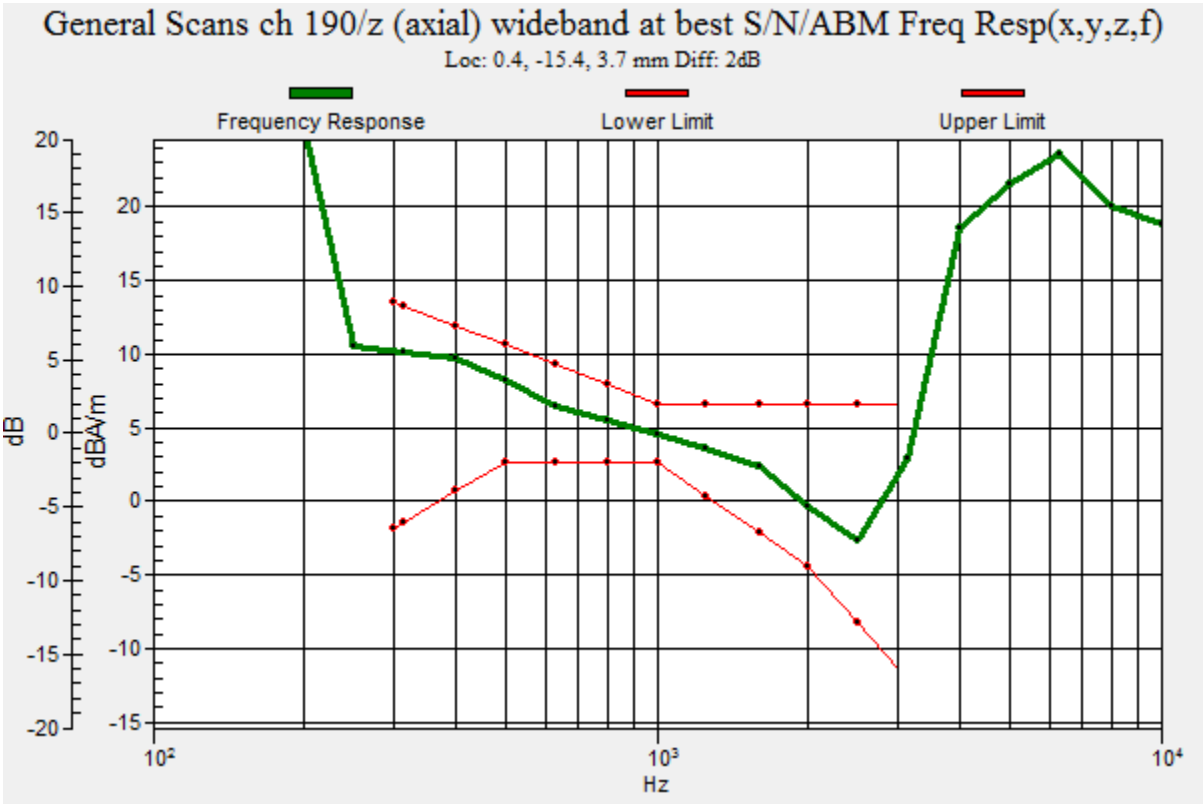
Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 190/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 76.75
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 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:
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 0.4, -15.4, 3.7 mm



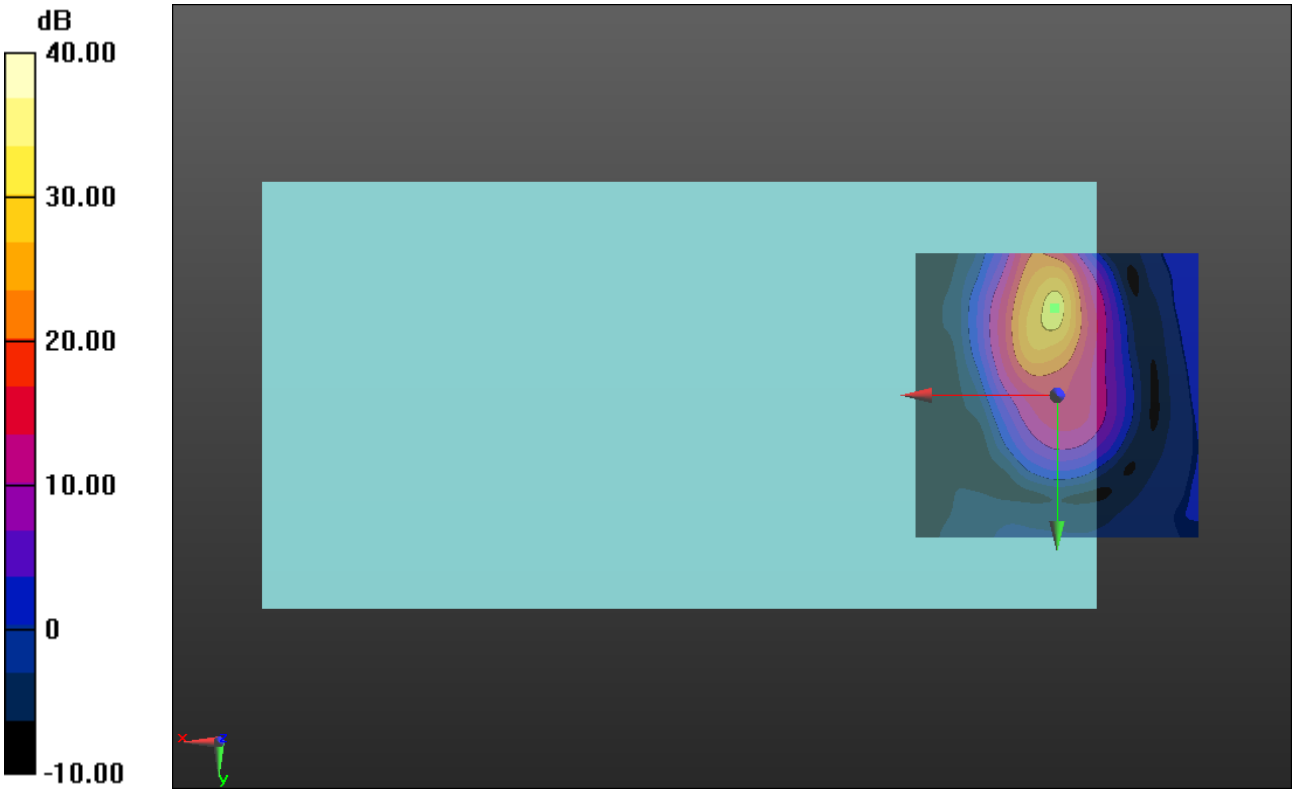
GSM850 with Wireless Charging Battery Cover

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.00018
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 190/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 31.49 dB
ABM1 comp = 5.09 dBA/m
BWC Factor = 0.16 dB
Location: 0.4, -15.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

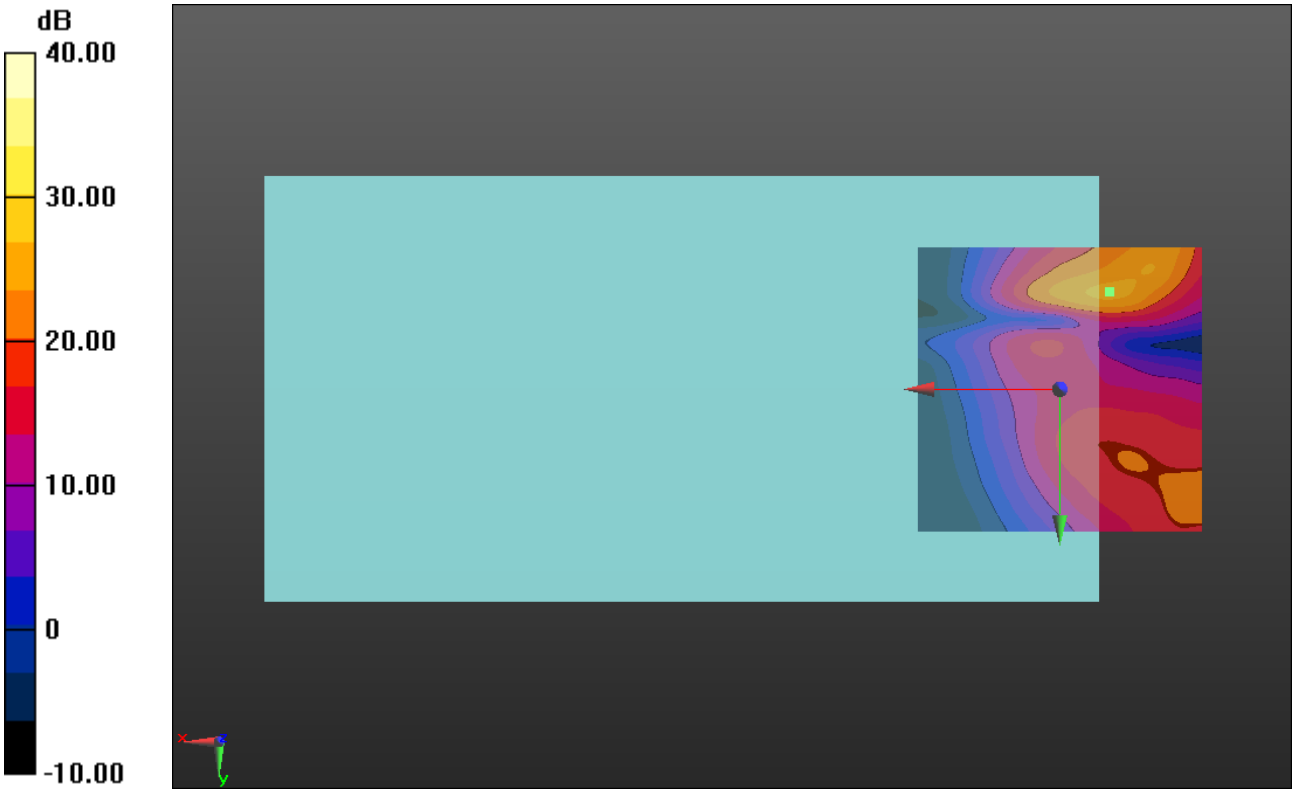
GSM850 with Wireless Charging Battery Cover

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.00018
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 190/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 27.73 dB
ABM1 comp = -12.04 dBA/m
BWC Factor = 0.16 dB
Location: -8.7, -17.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900 with Wireless Charging Battery Cover

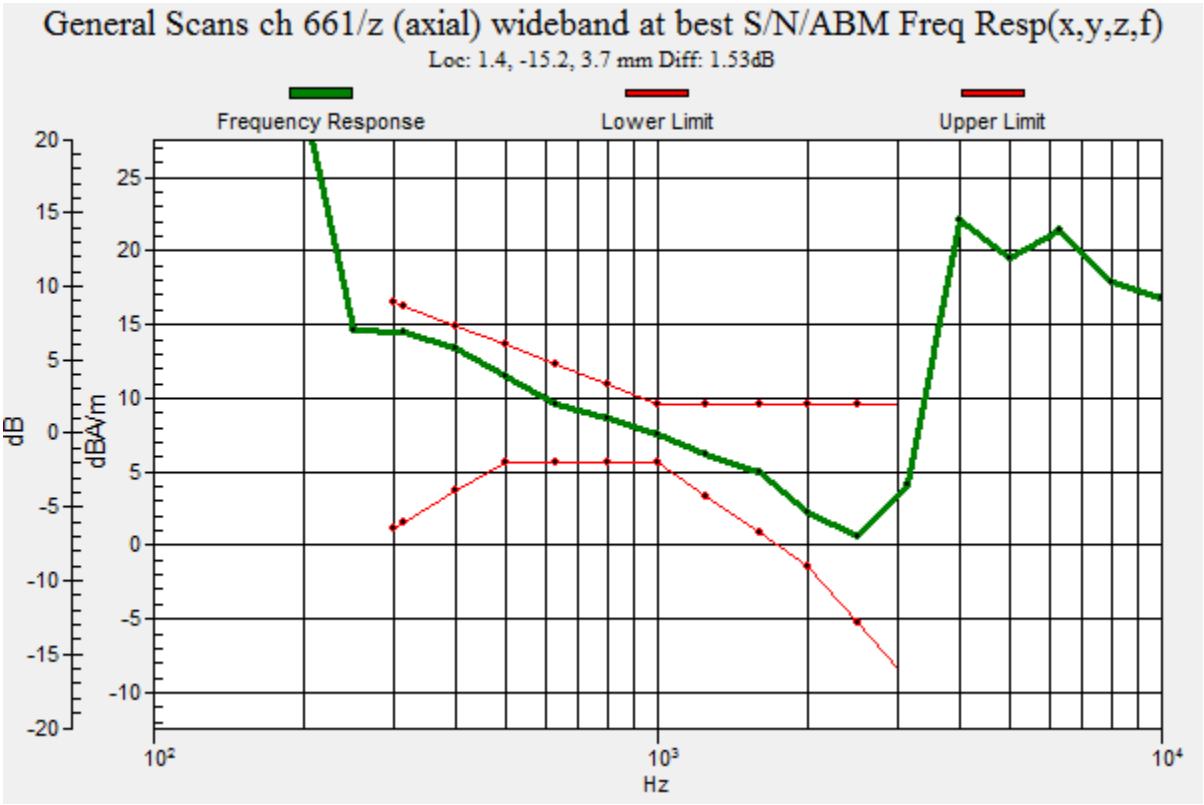
Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz;Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 661/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 76.75
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 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:
Diff = 1.53 dB
BWC Factor = 10.80 dB
Location: 1.4, -15.2, 3.7 mm



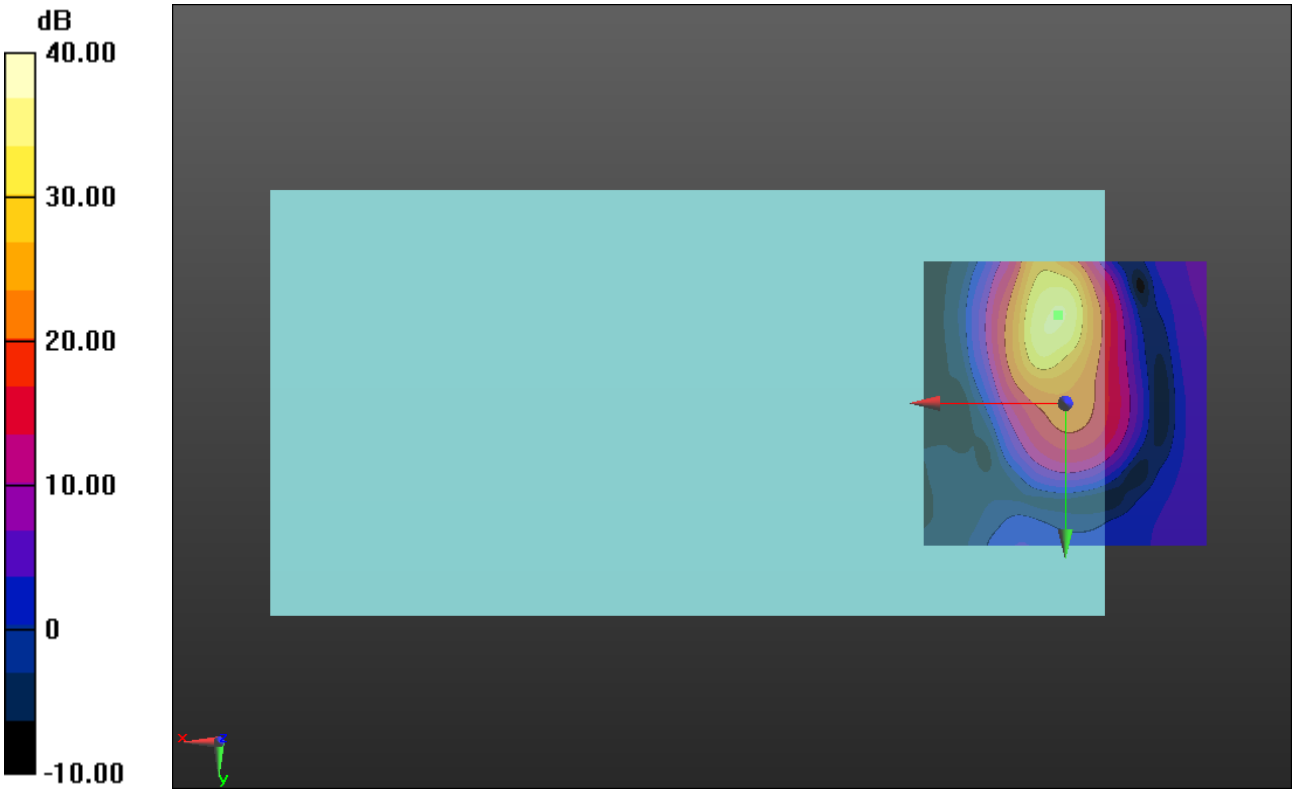
GSM1900 with Wireless Charging Battery Cover

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 661/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 37.15 dB
ABM1 comp = 9.15 dBA/m
BWC Factor = 0.16 dB
Location: 1.3, -15.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

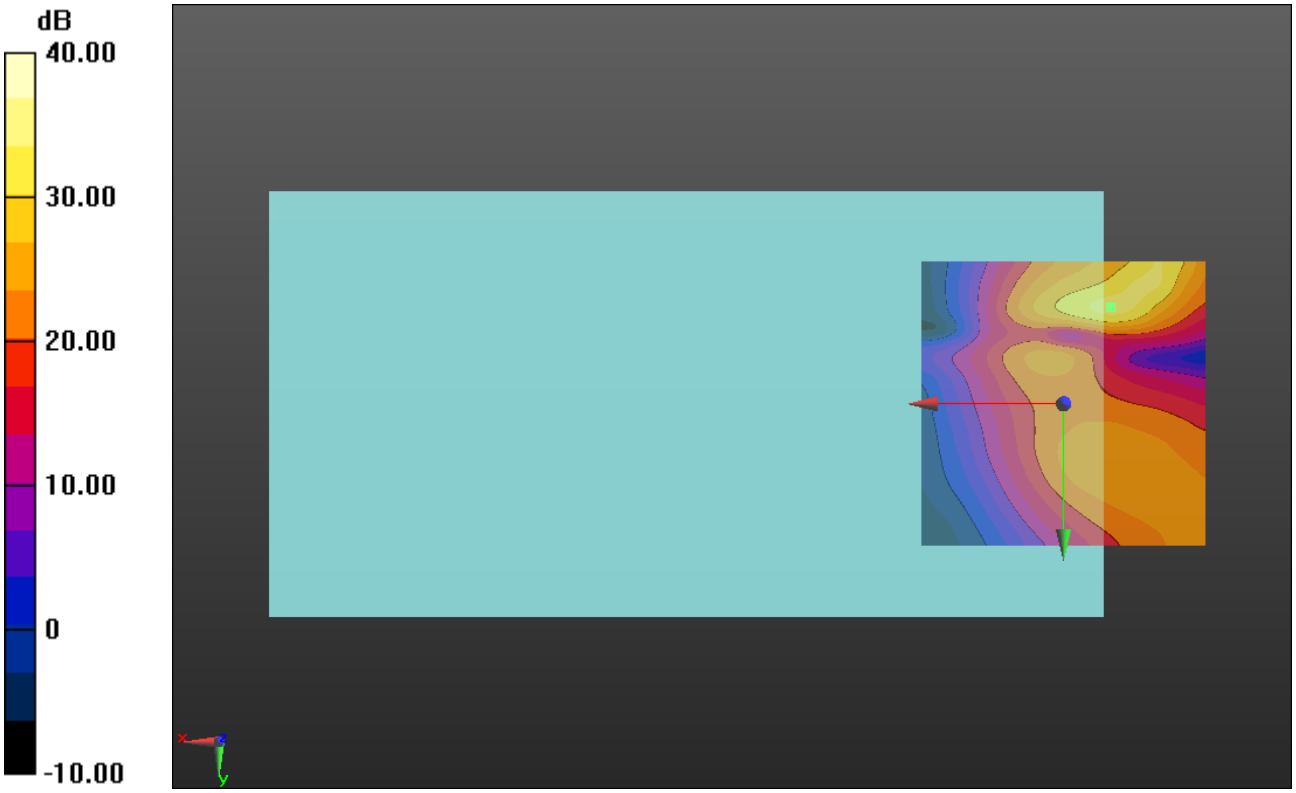
GSM1900 with Wireless Charging Battery Cover

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 34.68 dB
ABM1 comp = -9.09 dBA/m
BWC Factor = 0.16 dB
Location: -8.3, -17.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V with Wireless Charging Battery Cover

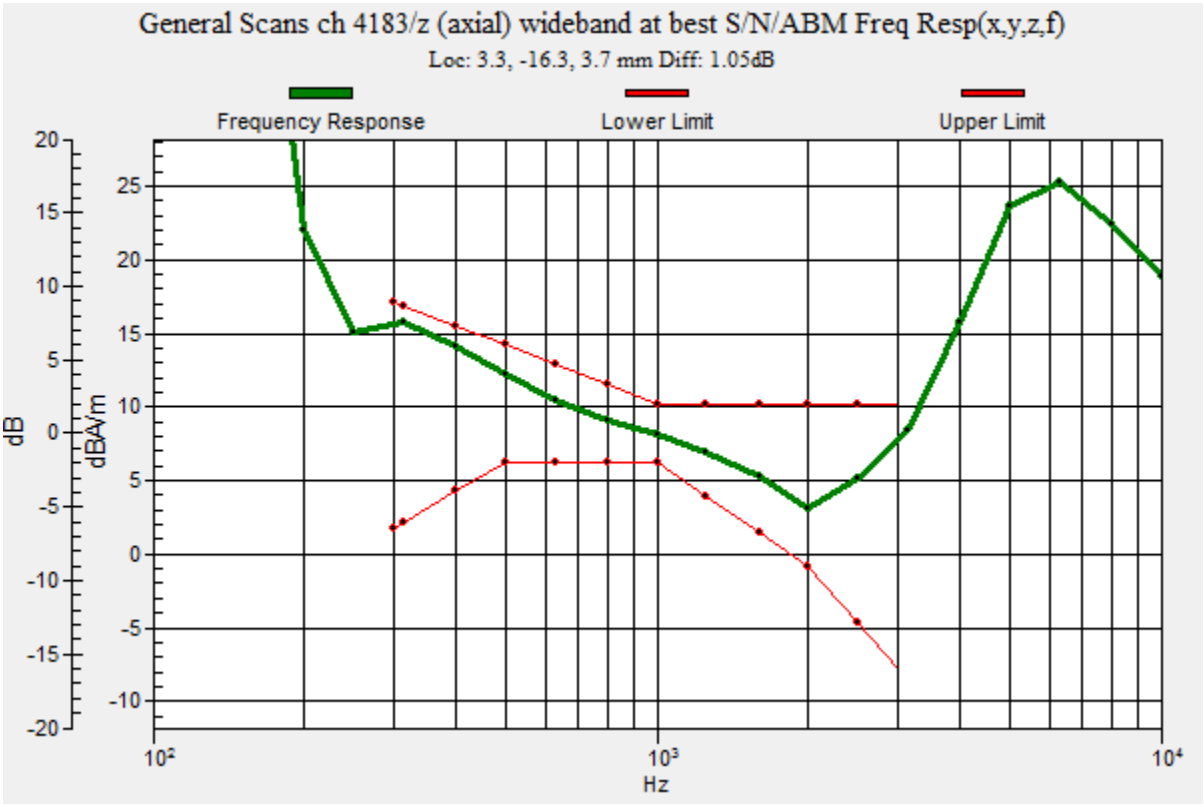
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 4183/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 76.75
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 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:
Diff = 1.05 dB
BWC Factor = 10.80 dB
Location: 3.3, -16.3, 3.7 mm



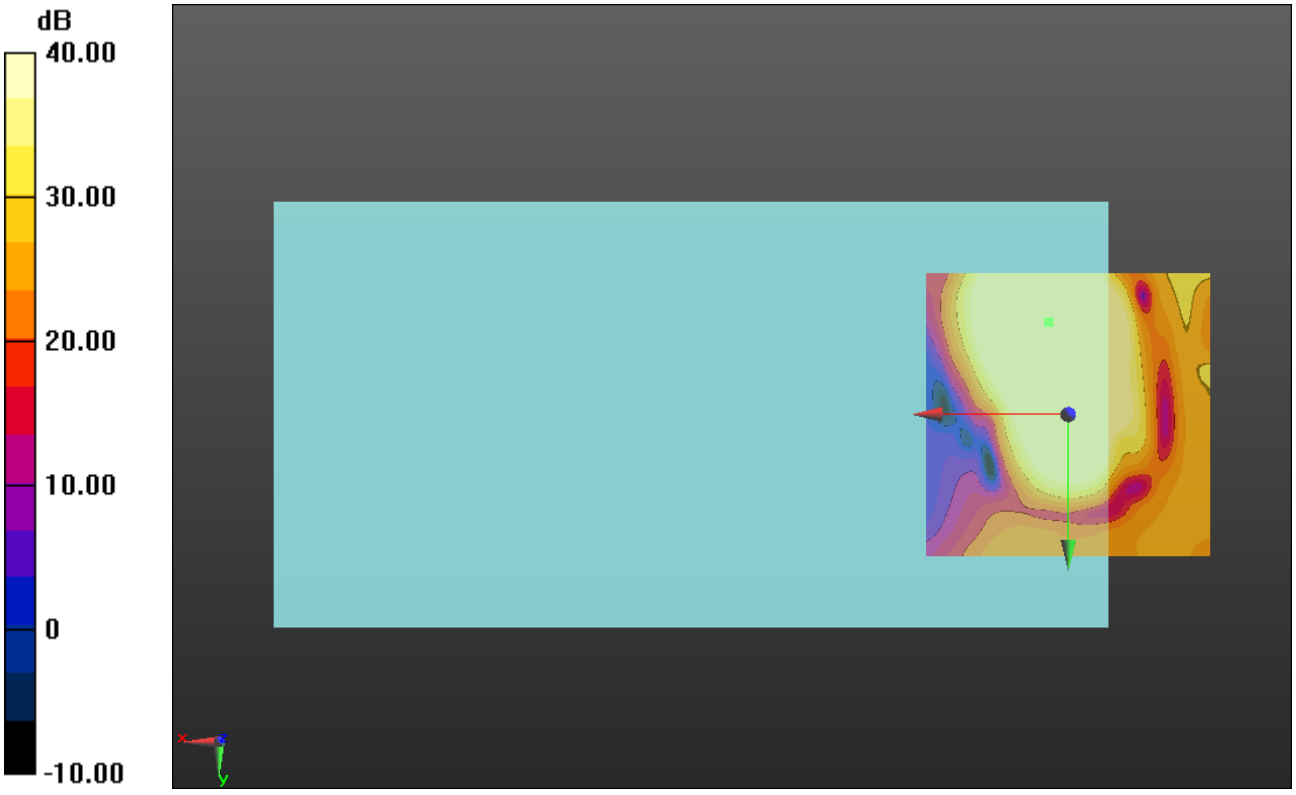
W-CDMA Band V with Wireless Charging Battery Cover

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 4183/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 58.66 dB
ABM1 comp = 10.99 dBA/m
BWC Factor = 0.16 dB
Location: 3.3, -16.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

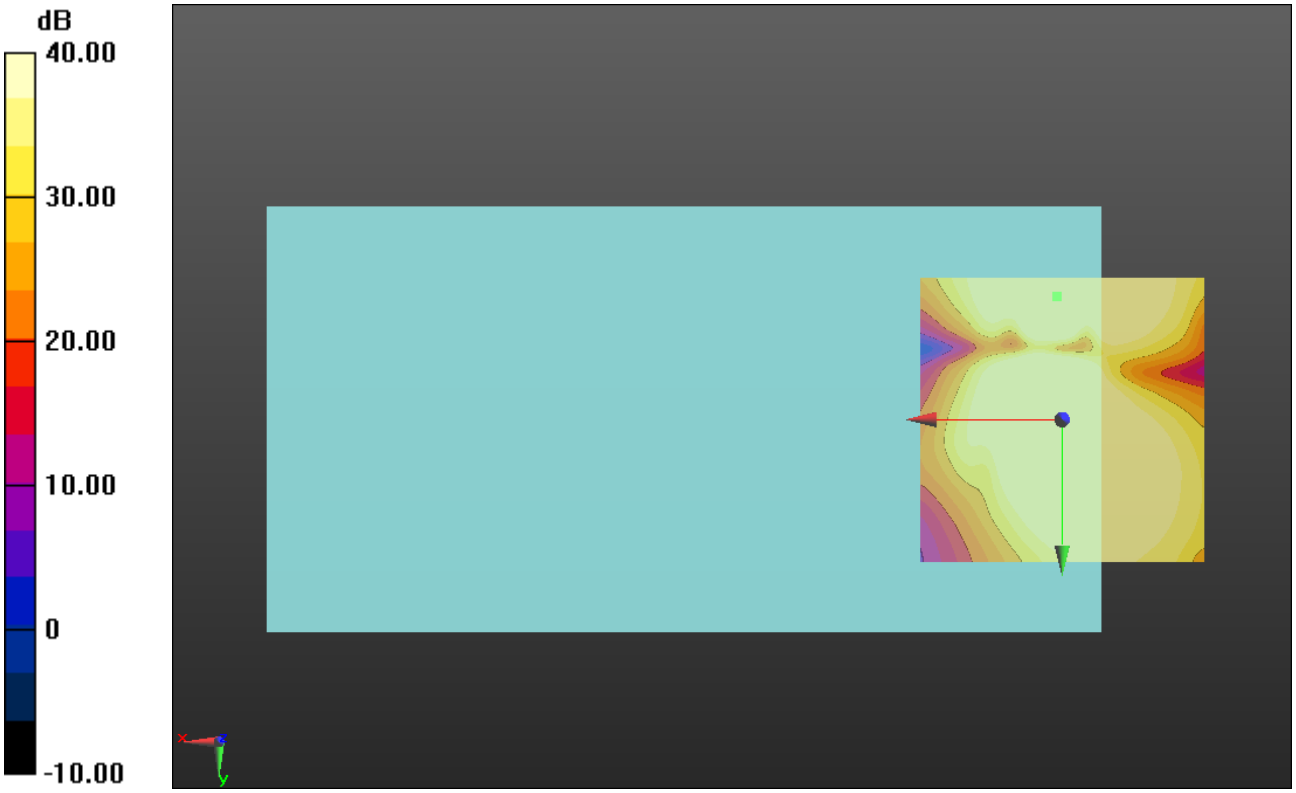
W-CDMA Band V with Wireless Charging Battery Cover

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 4183/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 50.73 dB
ABM1 comp = 2.33 dBA/m
BWC Factor = 0.16 dB
Location: 0.8, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II with Wireless Charging Battery Cover

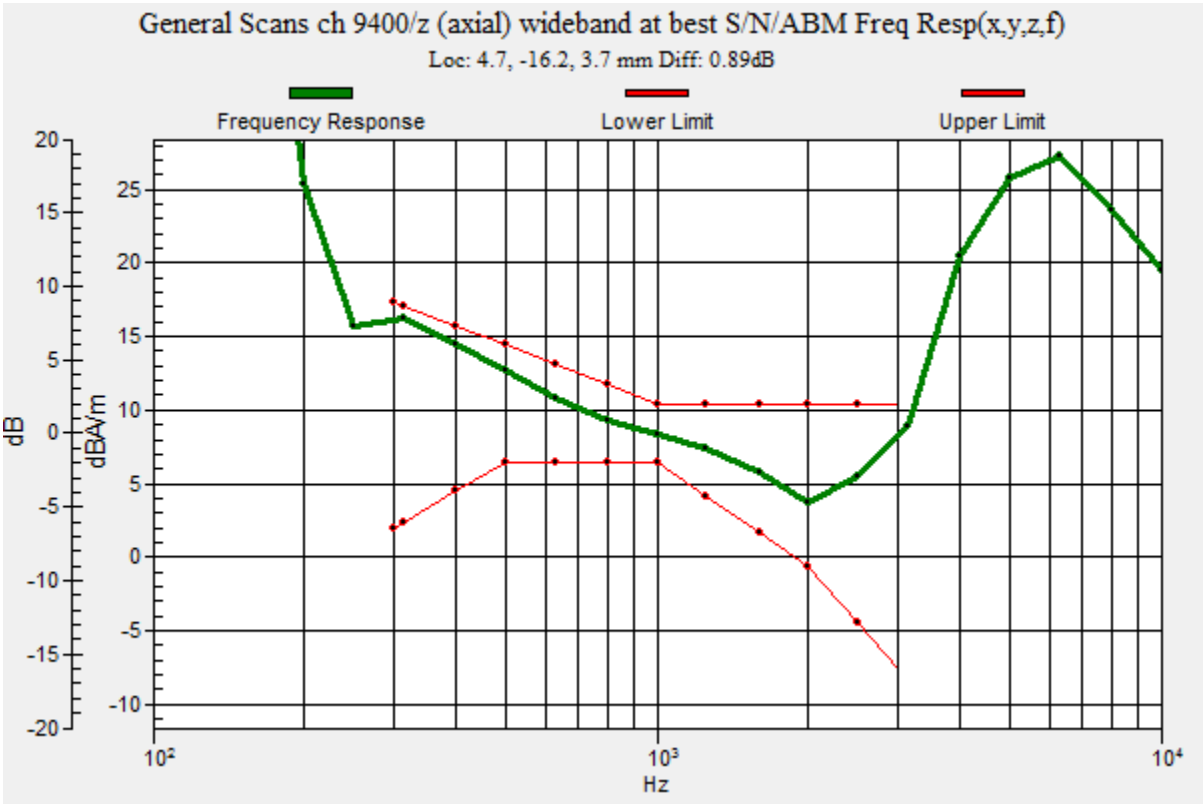
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 9400/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 76.75
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 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:
Diff = 0.89 dB
BWC Factor = 10.80 dB
Location: 4.7, -16.2, 3.7 mm



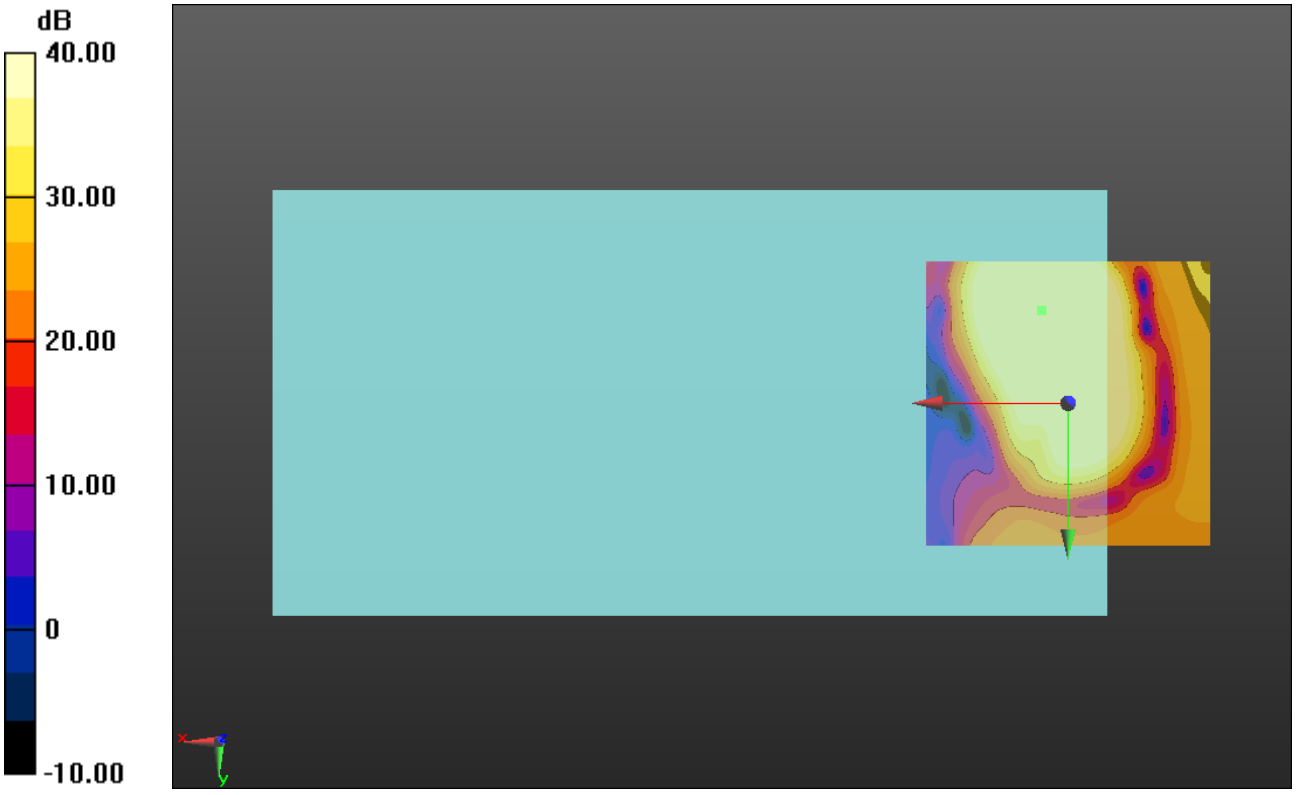
W-CDMA Band II with Wireless Charging Battery Cover

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 57.91 dB
ABM1 comp = 11.21 dBA/m
BWC Factor = 0.16 dB
Location: 4.6, -16.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

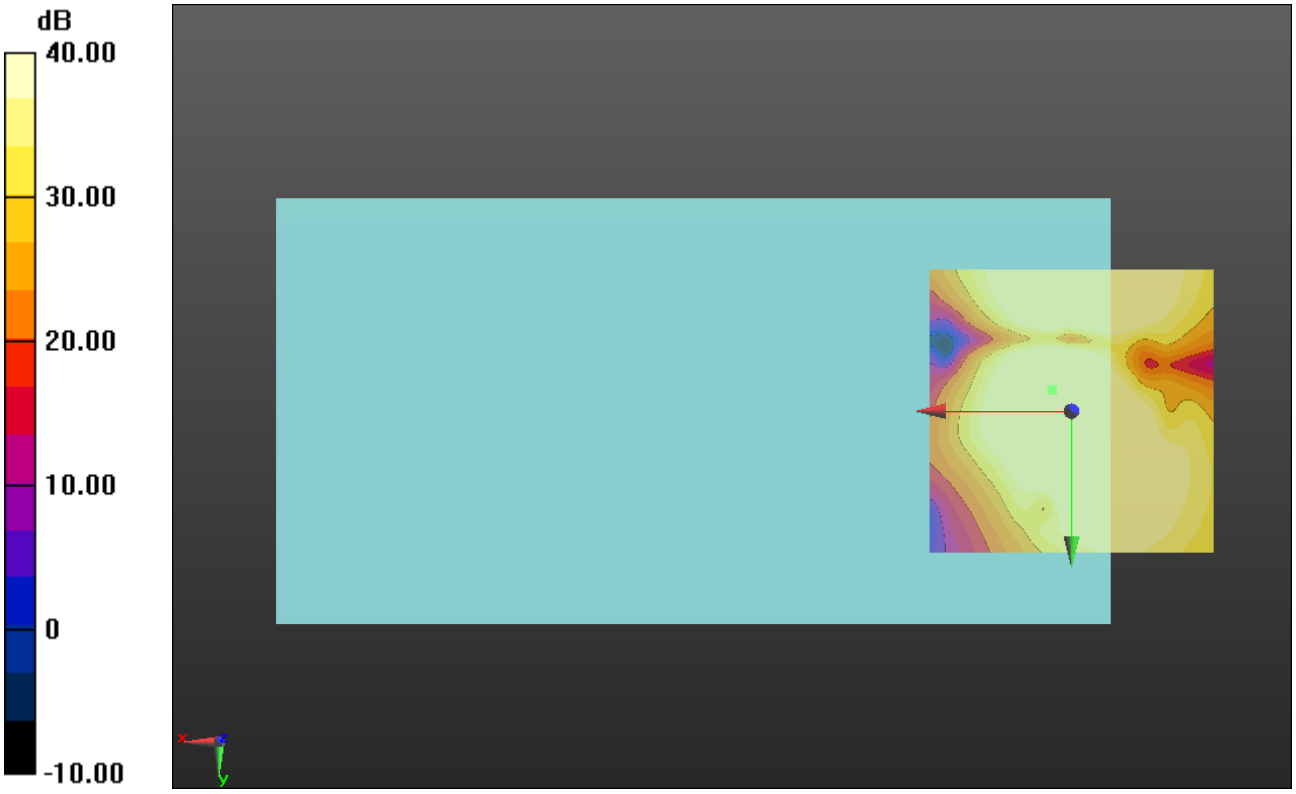
W-CDMA Band II with Wireless Charging Battery Cover

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 38.81
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 49.59 dB
ABM1 comp = -0.21 dBA/m
BWC Factor = 0.16 dB
Location: 3.3, -3.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC0 with Wireless Charging Battery Cover

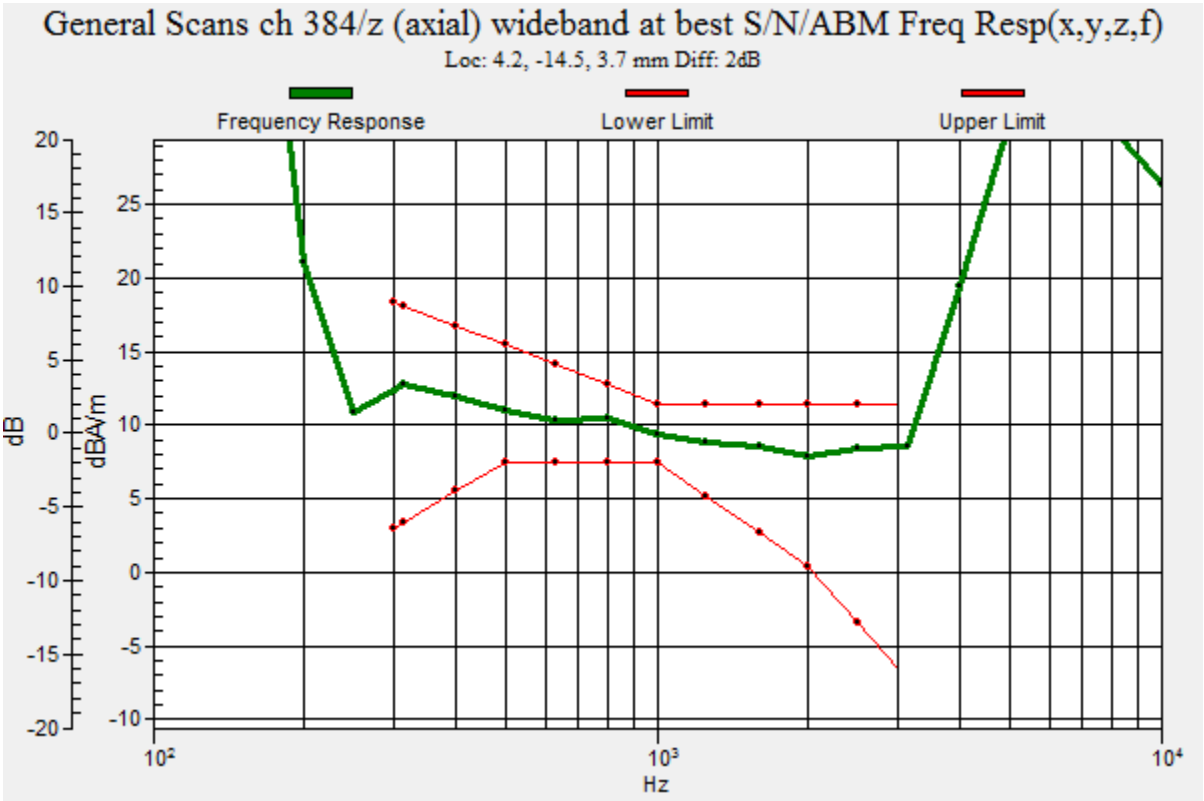
Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 384/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 55.22
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 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:
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 4.2, -14.5, 3.7 mm



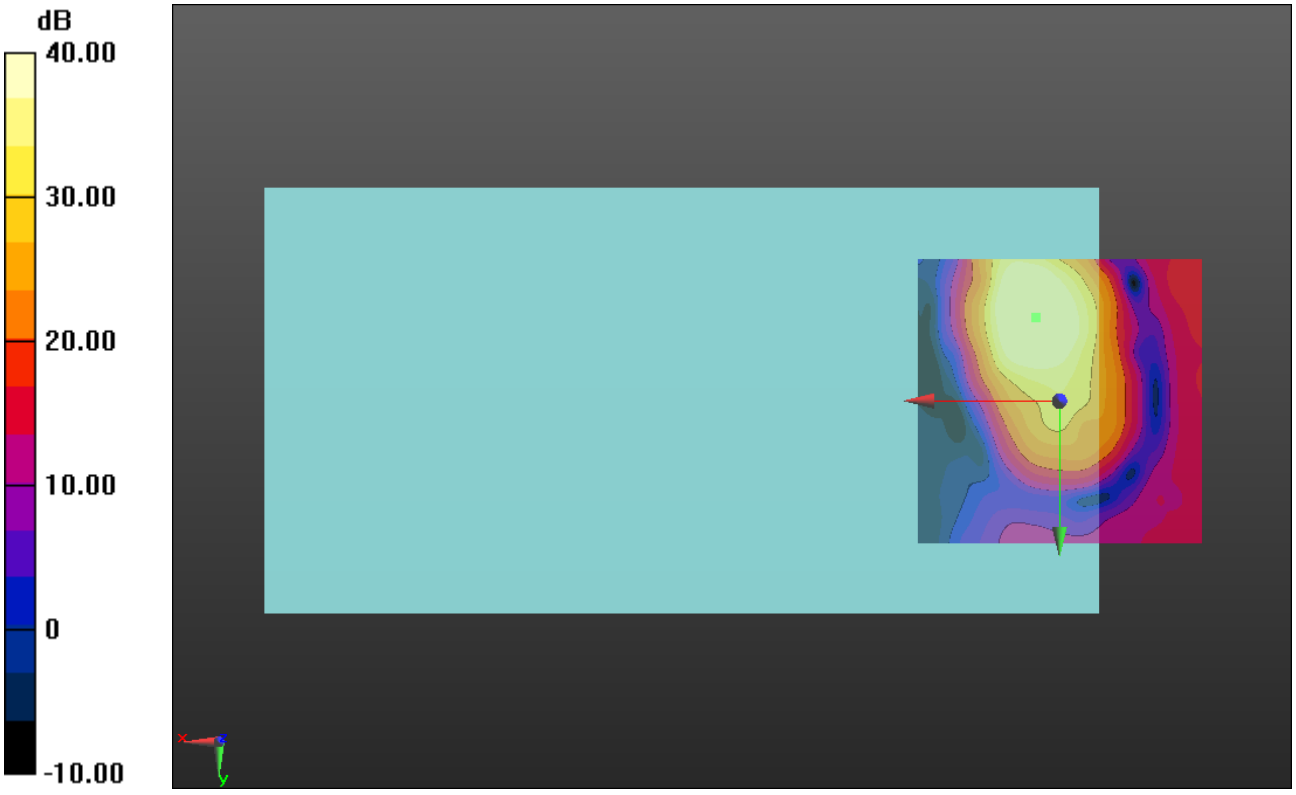
CDMA2000 BC0 with Wireless Charging Battery Cover

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 384/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 27.98
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 46.70 dB
ABM1 comp = 8.71 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, -14.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

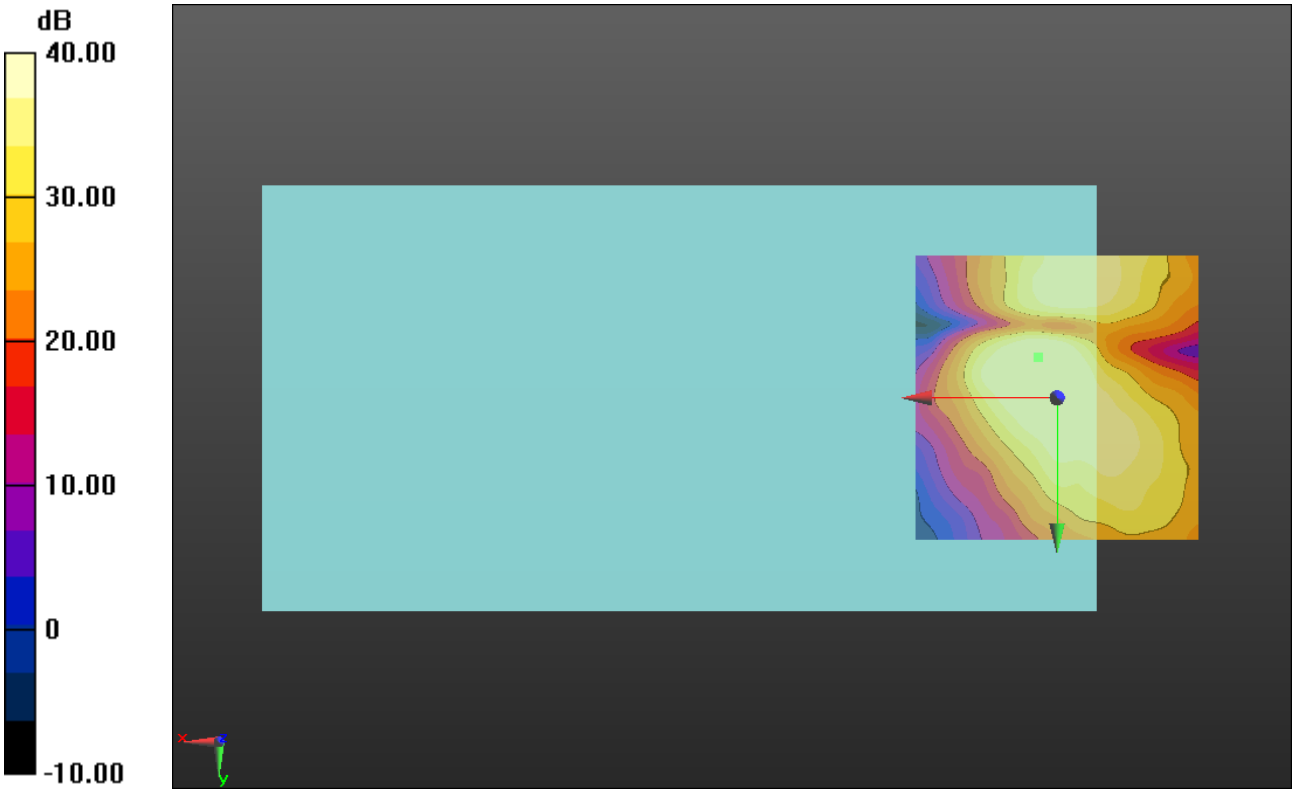
CDMA2000 BC0 with Wireless Charging Battery Cover

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 384/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 27.98
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 42.70 dB
ABM1 comp = -2.77 dBA/m
BWC Factor = 0.16 dB
Location: 3.3, -7.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC1 with Wireless Charging Battery Cover

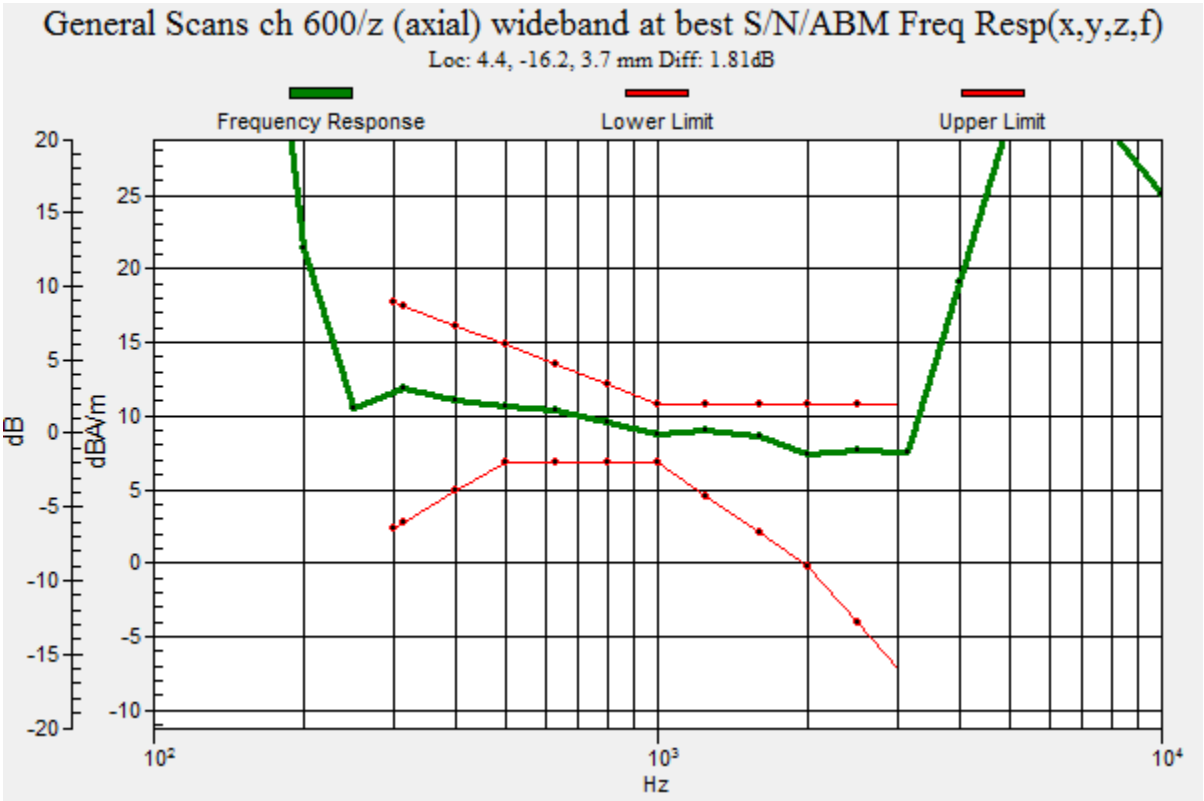
Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 600/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 55.22
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 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:
Diff = 1.81 dB
BWC Factor = 10.80 dB
Location: 4.4, -16.2, 3.7 mm



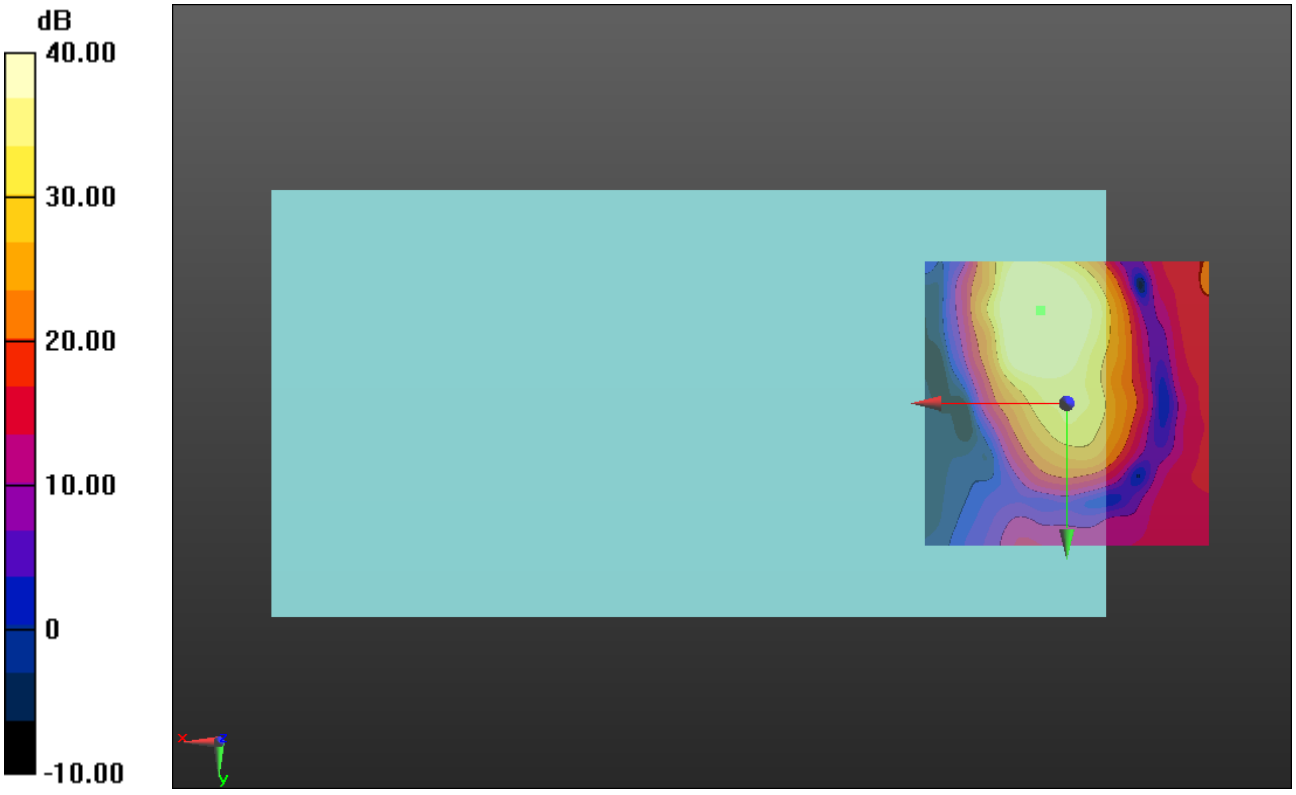
CDMA2000 BC1 with Wireless Charging Battery Cover

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 600/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 27.98
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 48.38 dB
ABM1 comp = 8.76 dBA/m
BWC Factor = 0.16 dB
Location: 4.6, -16.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

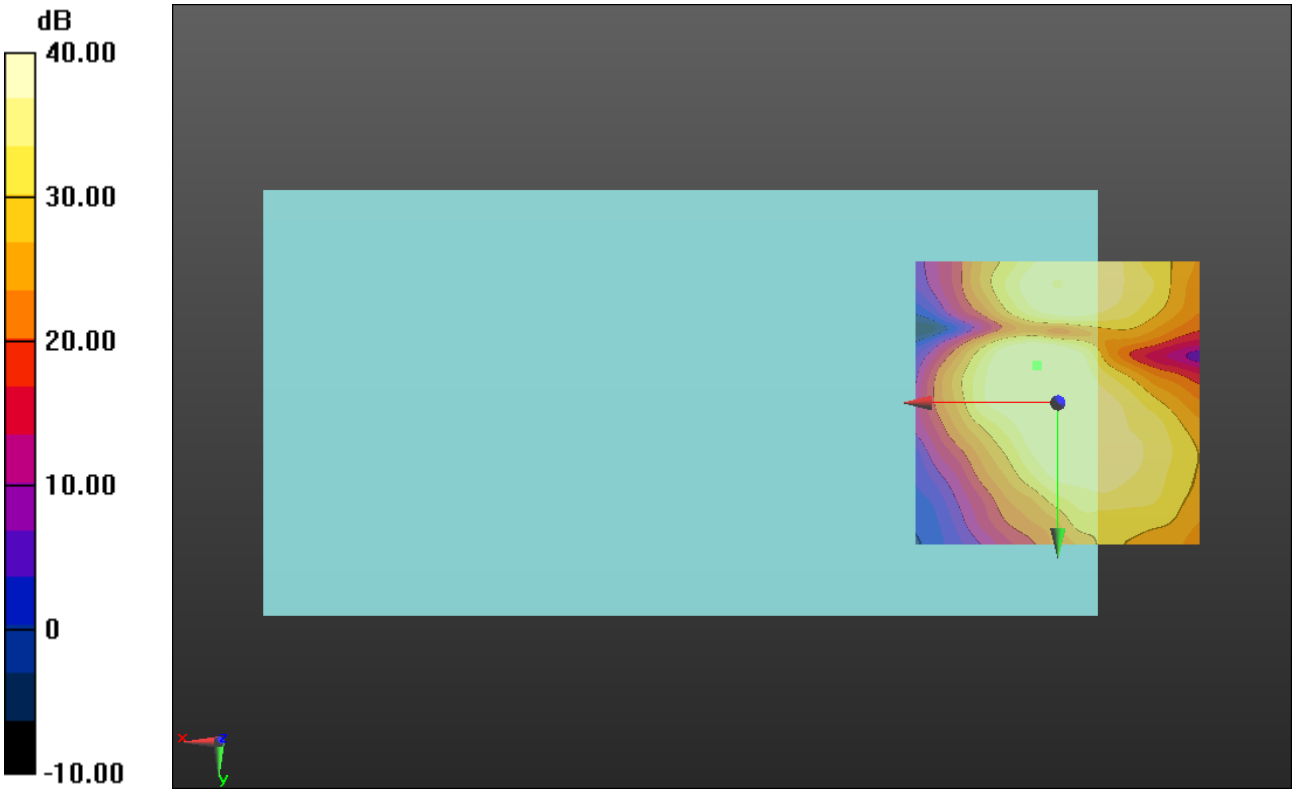
CDMA2000 BC1 with Wireless Charging Battery Cover

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3083; ; Calibrated: 1/22/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1360; Calibrated: 3/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans ch 600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 27.98
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 43.63 dB
ABM1 comp = -2.59 dBA/m
BWC Factor = 0.16 dB
Location: 3.8, -6.7, 3.7 mm



0 dB = 1.000 = 0.00 dB