# **PCS 1900 RF Interference Potential Test Report**

#### **Hardware Setup**

**Probe | Calibration Date** EF3DV3 - SN4041 | March 04, 2025

DAE | Calibration Date DAE4ip Sn1621 | April 10, 2025

Software Version 1.2.6.2199

## **Communication Systems**

MIF 3.8

**Channel | Frequency [MHz]** 512 | 1850.2

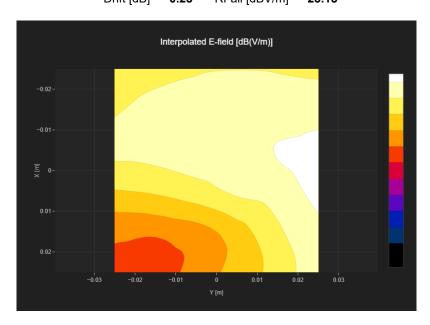
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

#### **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

## Results

Emax [dBV/m] 22.14 Eavg 50x50 Max [dBV/m] 19.35 Drift [dB] 0.23 RFail [dBV/m] 23.15



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## **Communication Systems**

MIF 3.8

**Channel | Frequency [MHz]** 661 | 1880.0

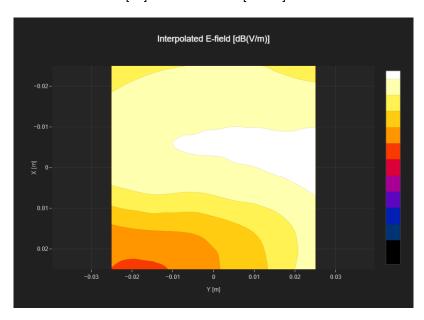
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

#### Results

Emax [dBV/m]	22.48	Eavg 50x50 Max [dBV/m]	20.19
Drift [dB]	-0.06	RFail [dBV/m]	23.99



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## **Communication Systems**

MIF 3.8

**Channel | Frequency [MHz]** 810 | 1909.8

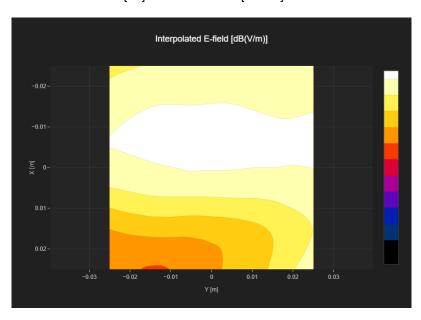
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

#### Results

Emax [dBV/m]	22.19	Eavg 50x50 Max [dBV/m]	20.14
Drift [dB]	-0.18	RFail [dBV/m]	23.94



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## **Communication Systems**

**MIF** 1.15

**Channel | Frequency [MHz]** 512 | 1850.2

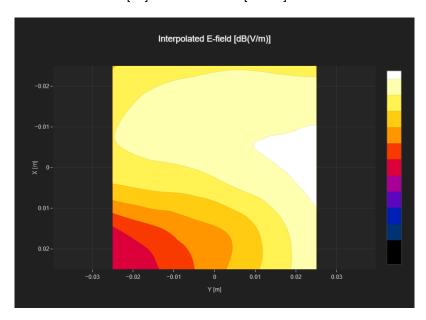
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0-1)

## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

#### Results

Emax [dBV/m]	24.72	Eavg 50x50 Max [dBV/m]	21.81
Drift [dB]	-0.18	RFail [dBV/m]	22.96



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## **Communication Systems**

**MIF** 1.15

Channel | Frequency [MHz] 661 | 1880.0

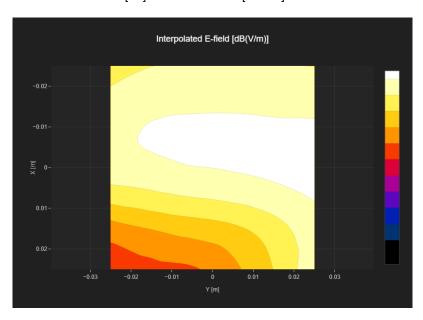
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0-1)

## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

#### **Results**

Emax [dBV/m]	24.37	Eavg 50x50 Max [dBV/m]	22.27
Drift [dB]	-0.08	RFail [dBV/m]	23.42



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Software Version 1.2.6.2199

## **Communication Systems**

**MIF** 1.15

**Channel | Frequency [MHz]** 810 | 1909.8

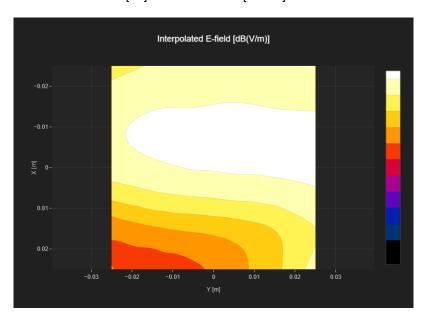
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0-1)

## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

#### Results

Emax [dBV/m]	23.68	Eavg 50x50 Max [dBV/m]	21.64
Drift [dB]	0.03	RFail [dBV/m]	22.79



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## **Communication Systems**

MIF 3.8

**Channel | Frequency [MHz]** 512 | 1850.2

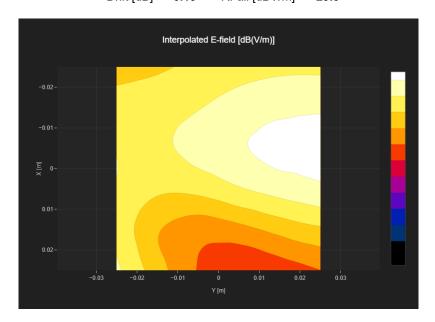
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

#### **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

# Results

# Emax [dBV/m] 28.41 Eavg 50x50 Max [dBV/m] 25.2 Drift [dB] 0.19 RFail [dBV/m] 29.0



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Software Version 1.2.6.2199

## **Communication Systems**

MIF 3.8

**Channel | Frequency [MHz]** 661 | 1880.0

Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

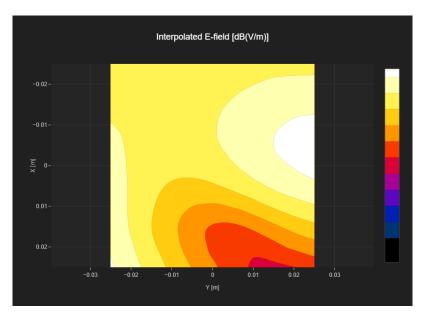
## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

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#### Results

Emax [dBV/m]	28.79	Eavg 50x50 Max [dBV/m]	25.38
Drift [dB]	-0.16	RFail [dBV/m]	29.18



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Software Version 1.2.6.2199

## **Communication Systems**

MIF 3.8

**Channel | Frequency [MHz]** 810 | 1909.8

Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

## **Grid Settings**

Extent X [mm]	50.0	Step X [mm]	10.0
Extent Y [mm]	50.0	Step Y [mm]	10.0
Distance [mm]	15.0		

#### Results

Emax [dBV/m]	29.23	Eavg 50x50 Max [dBV/m]	26.01
Drift [dB]	-0.04	RFail [dBV/m]	29.81

