PCS 1900 RF Interference Potential Test Report

Hardware Setup

Probe | Calibration Date EF3DV3 - SN4028 | September 04, 2023

DAE | Calibration Date DAE4 Sn1546 | March 11, 2024

Software Version 1.2.0.1713

Communication Systems

MIF 3.8

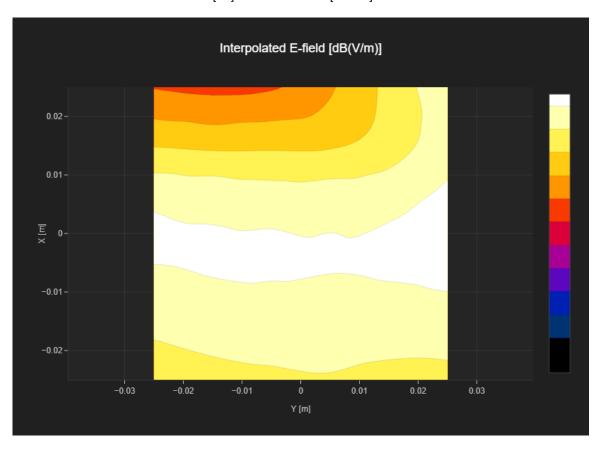
Channel | Frequency [MHz] 512 | 1850.2

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		

Emax [dBV/m]	21.28	Eavg 50x50 Max [dBV/m]	19.67
Drift [dB]	-0.05	RFail [dBV/m]	23.47



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Communication Systems

MIF 3.8

Channel | Frequency [MHz] 661 | 1880.0

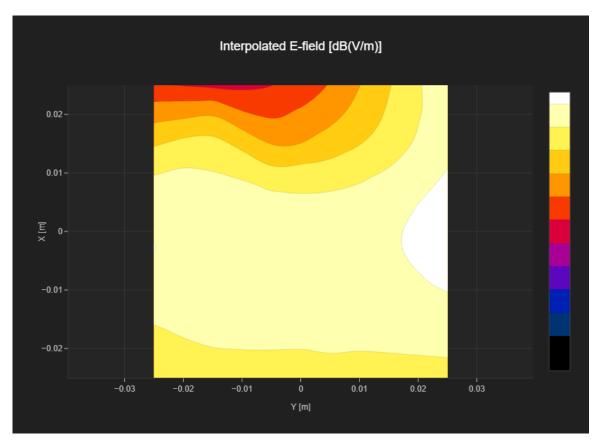
Communication Systems' Name GPRS-FDD (TDMA, GMSK, TN 0)

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

Emax [dBV/m]	21.35	Eavg 50x50 Max [dBV/m]	19.67
Drift [dB]	-0.01	RFail [dBV/m]	23.47



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Communication Systems

MIF 3.8

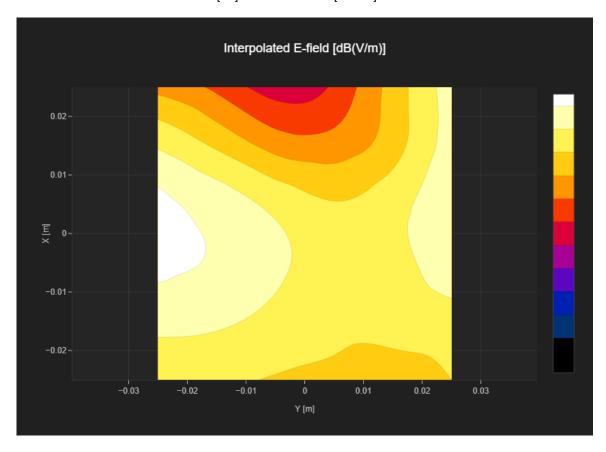
Channel | Frequency [MHz] 810 | 1909.8

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		

Emax [dBV/m]	22.63	Eavg 50x50 Max [dBV/m]	19.18
Drift [dB]	0.2	RFail [dBV/m]	22.98



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Communication Systems

MIF 1.15

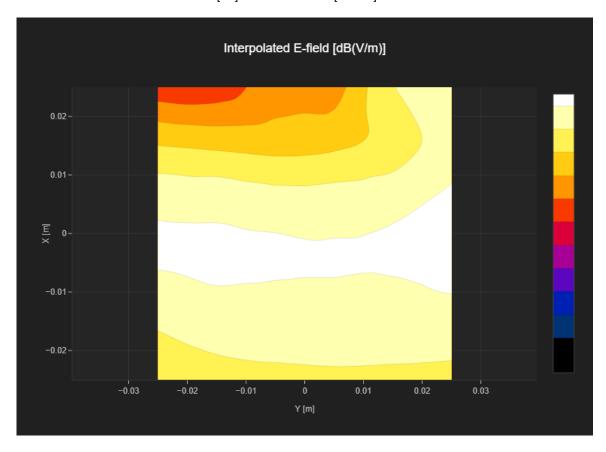
Channel | Frequency [MHz] 512 | 1850.2

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		

Emax [dBV/m]	24.03	Eavg 50x50 Max [dBV/m]	22.35
Drift [dB]	-0.02	RFail [dBV/m]	23.5



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Communication Systems

MIF 1.15

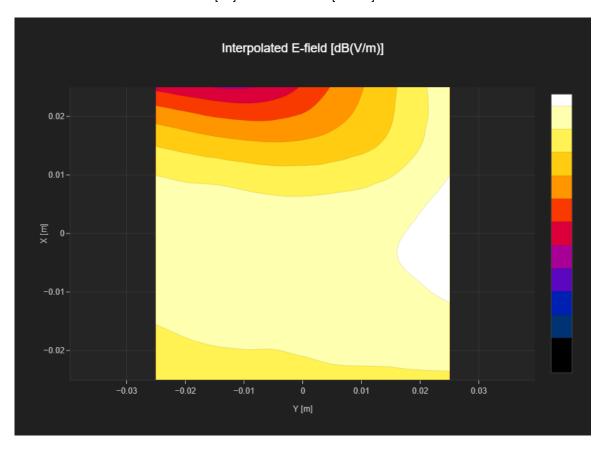
Channel | Frequency [MHz] 661 | 1880.0

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		

Emax [dBV/m]	23.38	Eavg 50x50 Max [dBV/m]	21.71
Drift [dB]	-0.19	RFail [dBV/m]	22.86



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Software Version 1.2.0.1713

Communication Systems

MIF 1.15

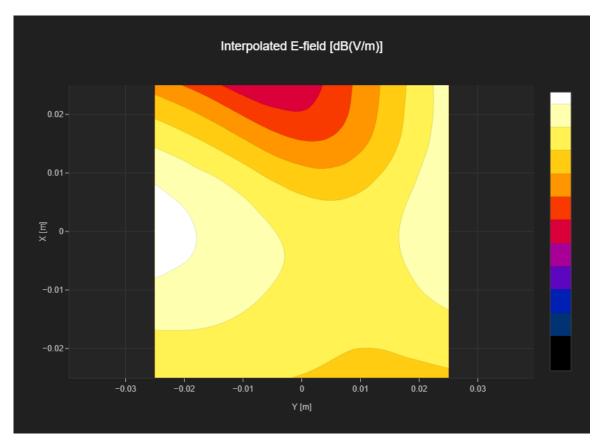
Channel | Frequency [MHz] 810 | 1909.8

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		

Emax [dBV/m]	24.32	Eavg 50x50 Max [dBV/m]	20.86
Drift [dB]	-0.07	RFail [dBV/m]	22.01



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Software Version 1.2.0.1713

Communication Systems

MIF 3.8

Channel | Frequency [MHz] 512 | 1850.2

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

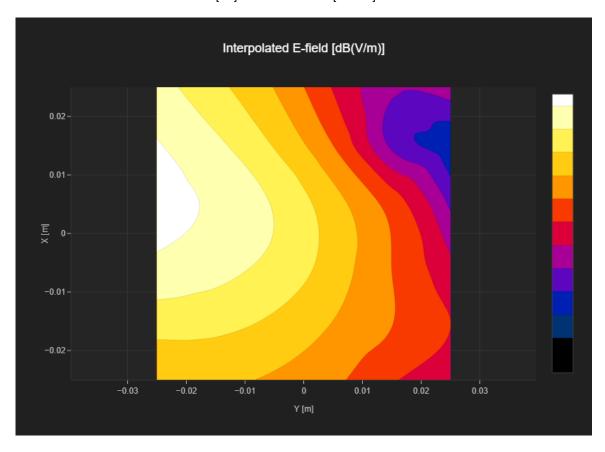
Grid Settings

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

Date/Time: July 09, 2024 at 12:10

Emax [dBV/m]	26.38	Eavg 50x50 Max [dBV/m]	21.27
Drift [dB]	-0.13	RFail [dBV/m]	25.07



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Communication Systems

MIF 3.8

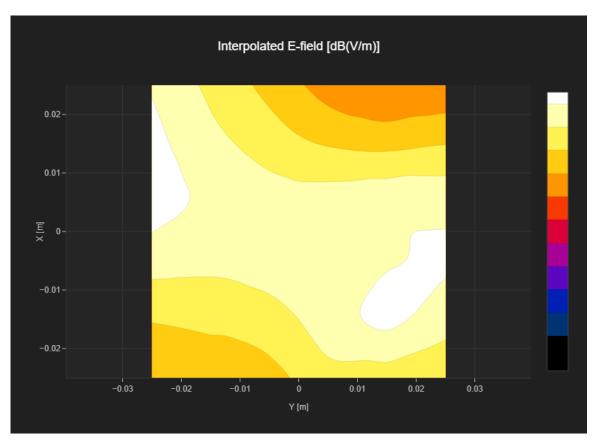
Channel | Frequency [MHz] 661 | 1880.0

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		

Emax [dBV/m]	26.63	Eavg 50x50 Max [dBV/m]	22.91
Drift [dB]	0.03	RFail [dBV/m]	26.71



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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		

Emax [dBV/m]	23.25	Eavg 50x50 Max [dBV/m]	21.18
Drift [dB]	-0.06	RFail [dBV/m]	24.98

