Plot No.01 T-Coil Signal Test Report

Measurement performed on July 28, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

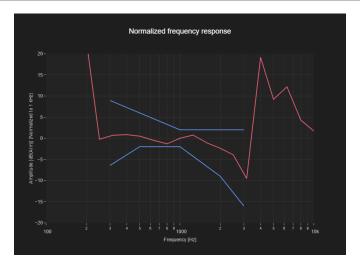
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| GSM 850 | GSM-FDD (TDMA, GMSK) | 189 | 836.4 |

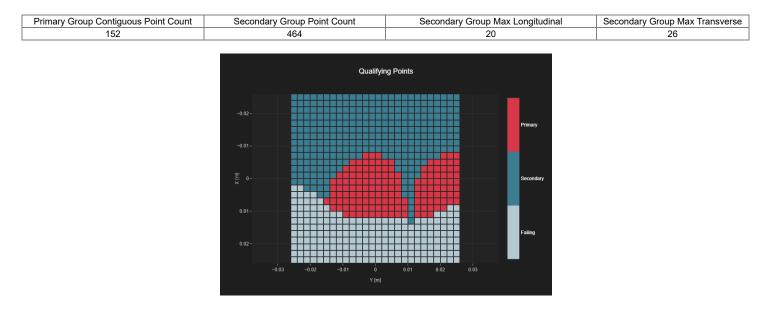
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.24 | 0.69 |



Plot No.01 T-Coil Coupling Mode Test Report



Plot No.02 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

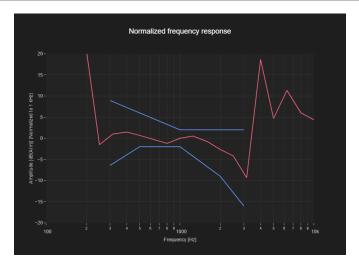
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| PCS 1900 | GSM-FDD (TDMA, GMSK) | 661 | 1880.0 |

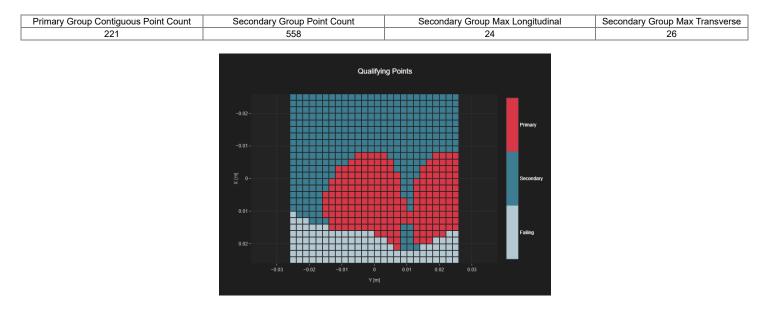
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.47 | 0.79 |



Plot No.02 T-Coil Coupling Mode Test Report



Plot No.03 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

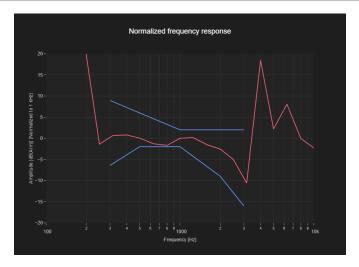
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 2 | UMTS-FDD (WCDMA, AMR) | 9400 | 1880.0 |

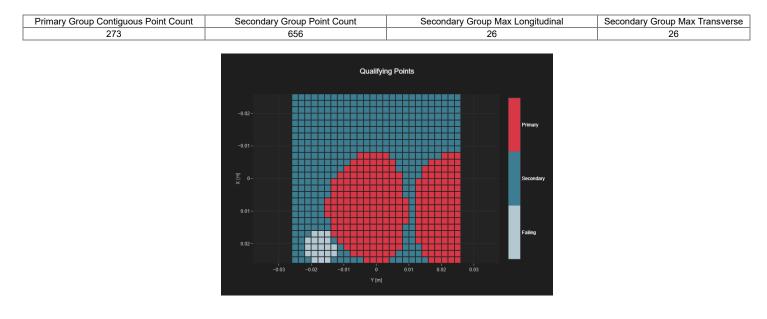
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.84 | 0.33 |



Plot No.03 T-Coil Coupling Mode Test Report



Plot No.04 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

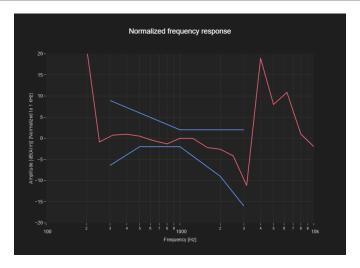
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 4 | UMTS-FDD (WCDMA, AMR) | 1413 | 1732.6 |

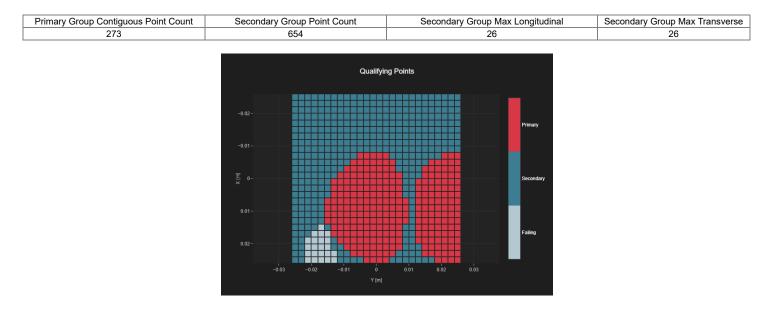
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 0.67 |



Plot No.04 T-Coil Coupling Mode Test Report



Plot No.05 T-Coil Signal Test Report

Measurement performed on July 28, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

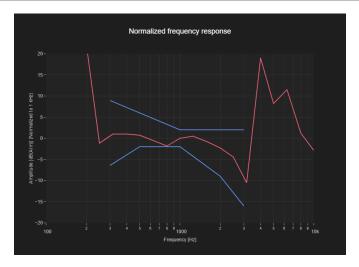
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 5 | UMTS-FDD (WCDMA, AMR) | 4182 | 836.4 |

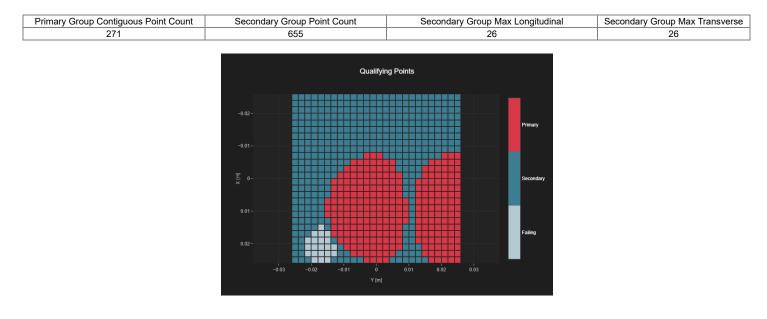
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.5 | 0.17 |



Plot No.05 T-Coil Coupling Mode Test Report



Plot No.06 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

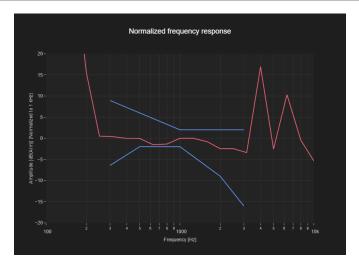
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 2 | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 18900 | 1880.0 |

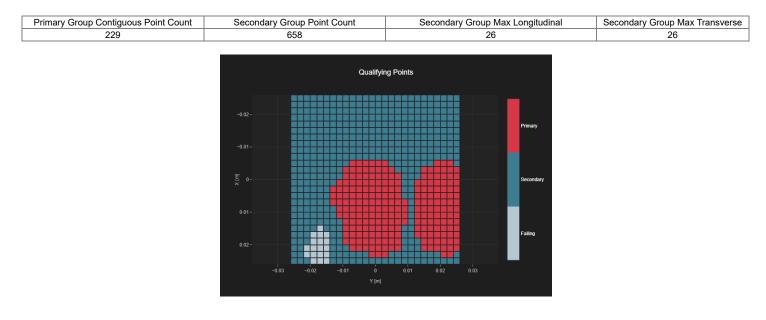
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.98 | 0.48 |



Plot No.06 T-Coil Coupling Mode Test Report



Plot No.07 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

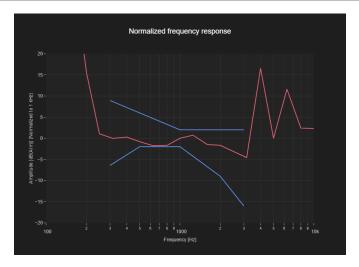
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 7 | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 21100 | 2535.0 |

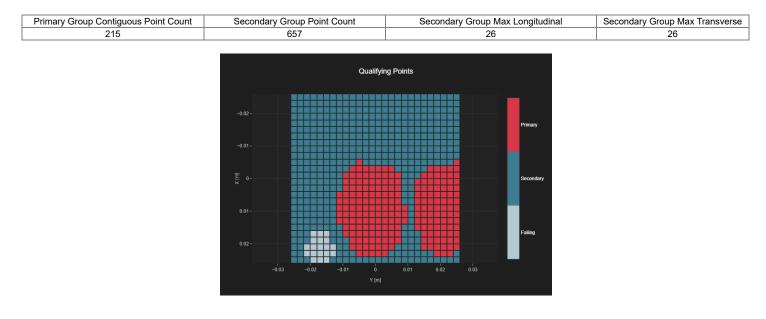
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.26 | 0.23 |



Plot No.07 T-Coil Coupling Mode Test Report



Plot No.08 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

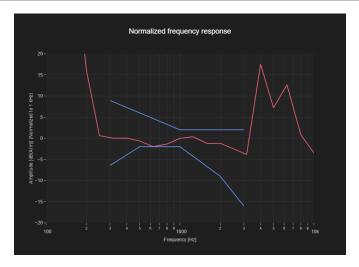
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 12 | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | 23095 | 707.5 |

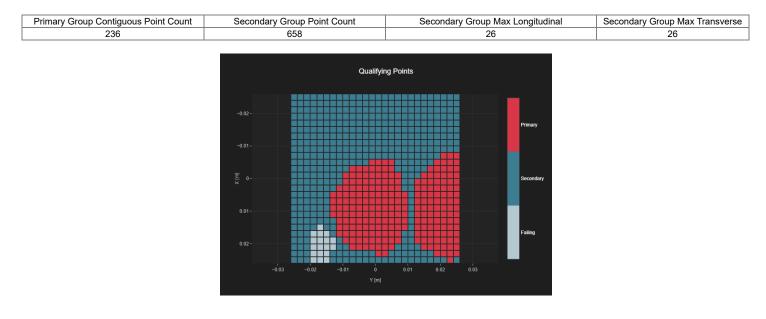
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.65 | 0.02 |



Plot No.08 T-Coil Coupling Mode Test Report



Plot No.09 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

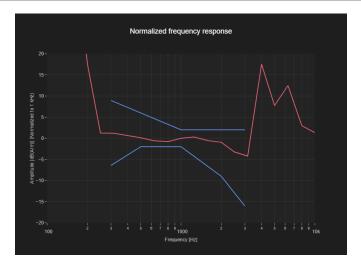
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 26 | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | 26865 | 831.5 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.69 | 1.22 |



Plot No.09 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Cou | nt Secondary | Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|---------------------------|-------------------|------------------------|--------------------------------|
| 237 | 657 | | 26 | 26 |
| | | | | |
| | | | | |
| | | Qualifying Points | | |
| | | | | |
| | | | | |
| | | | | |
| | -0.02- | | | |
| | | | Primary | |
| | | | | |
| | -0.01- | | | |
| | | | | |
| | | | | |
| | Ē 0- | | Secondary | |
| | × | | | |
| | | | | |
| | 0.01 - | | | |
| | | | | |
| | | | Failing | |
| | 0.02- | | rainiy | |
| | 0.02- | | | |
| | | | | |
| | -0.03 -0.02 -0.0 | 1 0 0.01 0.02 | 0.03 | |
| | | Y [m] | | |
| | | | | |

Plot No.10 T-Coil Signal Test Report

Measurement performed on July 28, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

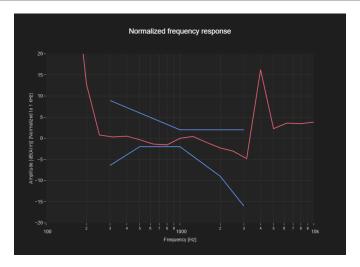
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 41 | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 40620 | 2593.0 |

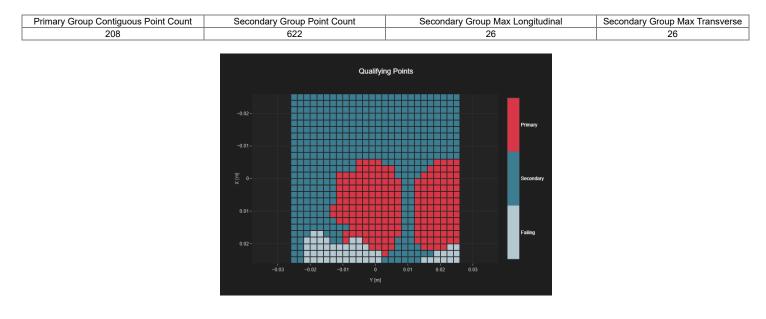
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.58 | 0.44 |



Plot No.10 T-Coil Coupling Mode Test Report



Plot No.11 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

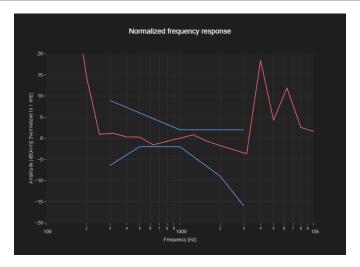
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 66 | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 132322 | 1745.0 |

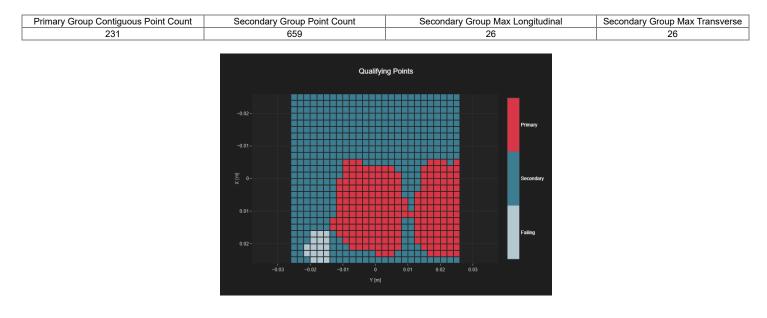
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.17 | 0.44 |



Plot No.11 T-Coil Coupling Mode Test Report



Plot No.12 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

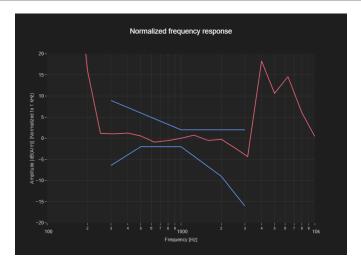
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| Band n2 | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, BPSK, 15 kHz) | 376000 | 1880.0 |

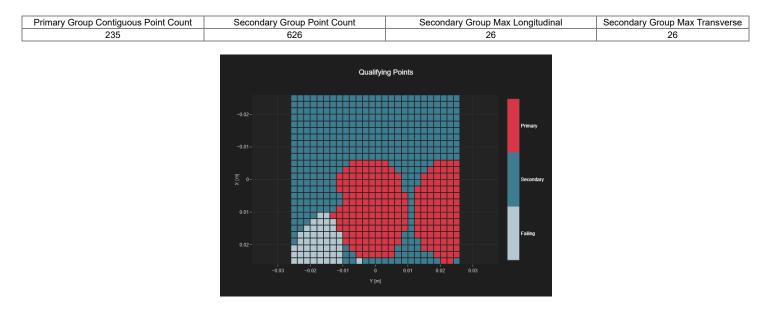
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.26 | 1.1 |



Plot No. 12 T-Coil Coupling Mode Test Report



Plot No.13 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

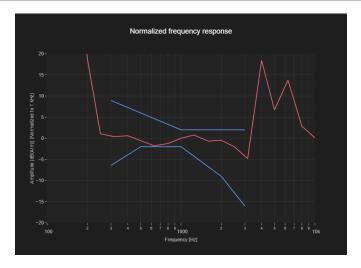
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| Band n7 | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, BPSK, 15 kHz) | 507000 | 2535.0 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.24 | 0.21 |



Plot No. 13 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|------------------------------|----------------------------------|--------------------------------|
| 209 | 590 | 26 | 26 |
| | Qualifyi | ng Points | |
| | -0.02- | Primary | |
| | -0.01- <u> </u> | Secondary | |
| | 0.01- | | |
| | 0.02- | Faling | |
| | -0.03 -0.02 -0.01 0 Y [m] | 0.01 0.02 0.03 | |

Plot No.14 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

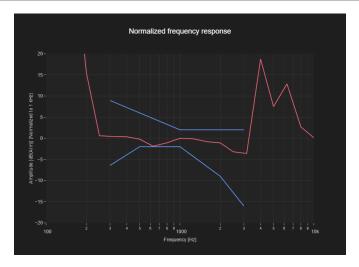
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| Band n12 | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, BPSK, 15 kHz) | 141500 | 707.5 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 0.13 |



Plot No. 14 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Po | oint Count | Seco | ndary Group N | /lax Longitudinal | Secondary Group Max Transvers |
|--------------------------------------|--------------------|------------|---|---------------|-------------------|-------------------------------|
| 209 | 631 | | | 26 | | 26 |
| | | | | | | |
| | | | | | | |
| | | Qualifyi | ng Points | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | -0.02- | | | | | |
| | | | | | Primary | |
| | | | | | Phinaly | |
| | | | +++++++++++++++++++++++++++++++++++++++ | | | |
| | -0.01 - | | | | | |
| | | | | | | |
| | | | | | | |
| | Ē 0- | | | | Secondary | |
| | × | | | | | |
| | | | | | | |
| | | | ┼┼┼┼┍╋ | | | |
| | 0.01- | | | | | |
| | | | | | | |
| | | | | | Failing | |
| | 0.02- | | | | | |
| | | | | | | |
| | | | | | | |
| | -0.03 -0.02 | -0.01 0 | 0.01 0.0 | 2 0.03 | | |
| | | Y [m] | | | | |
| | | | | | | |

Plot No.15 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

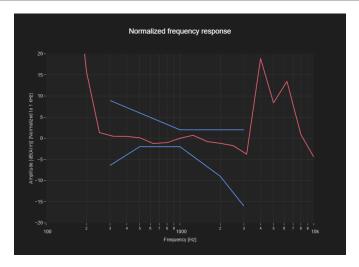
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| Band n26 | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, BPSK, 15 kHz) | | 831.5 |

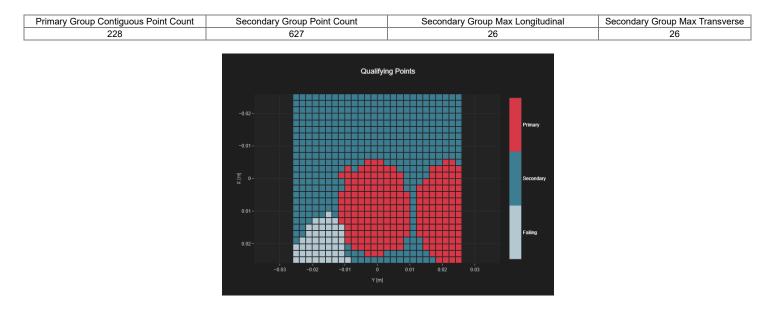
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.29 | 0.76 |



Plot No. 15 T-Coil Coupling Mode Test Report



Plot No.16 T-Coil Signal Test Report

Measurement performed on July 28, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

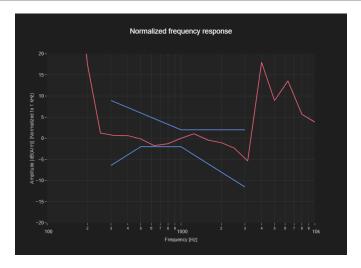
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| Band n41 | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, BPSK, 30 kHz) | 518598 | 2592.99 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 0.93 | 0.27 |



Plot No. 16 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 191 | 562 | 25 | 26 |
| 191 | | 25 | 26 |
| | 0.01- | Faling | |
| | 0.02- | | |
| | −0.03 −0.02 −0.01 0 Y[m] | 0.01 0.02 0.03 | |
| | | | |

Plot No.17 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

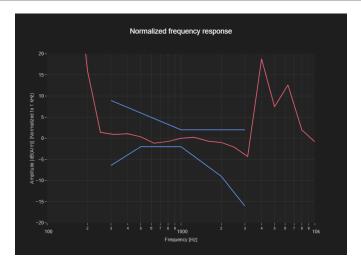
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| Band n66 | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, BPSK, 15 kHz) | 349000 | 1745.0 |

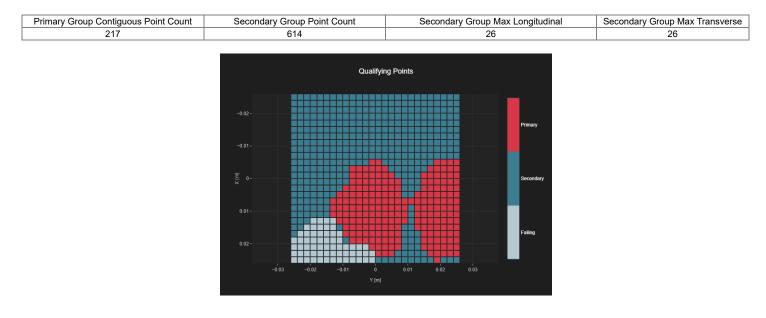
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.77 | 0.83 |



Plot No. 17 T-Coil Coupling Mode Test Report



Plot No.18 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

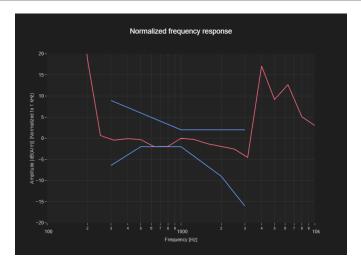
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| Band n77 | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, BPSK, 30 kHz) | 656000 | 3840.0 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 0.02 |



Plot No. 18 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|------------------------------|----------------------------------|--------------------------------|
| 179 | 557 | 25 | 26 |
| 179 | Qualifyi | Primary Secondary | 26 |
| | 0.01- | Fating | |
| | -0.03 -0.02 -0.01 0 Y (m) | 0.01 0.02 0.03 | |

Plot No.19 T-Coil Signal Test Report

Measurement performed on July 28, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

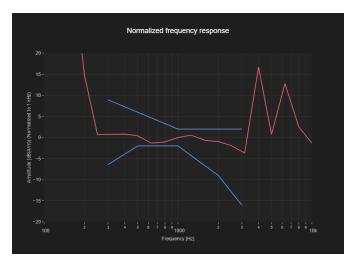
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | 6 | 2437.0 |

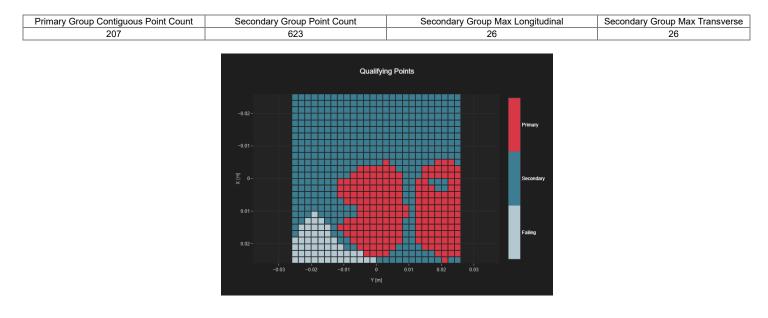
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.44 | 0.67 |



Plot No.19 T-Coil Coupling Mode Test Report



Plot No.20 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

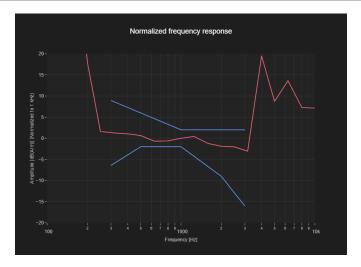
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| WLAN 5GHz | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | 40 | 5200.0 |

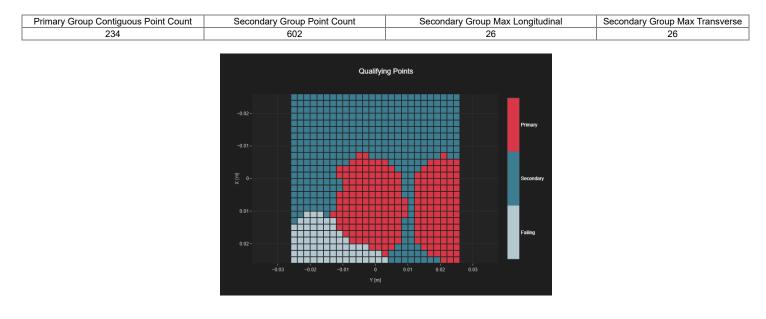
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.58 | 1.32 |



Plot No.20 T-Coil Coupling Mode Test Report



Plot No.21 T-Coil Signal Test Report

Measurement performed on July 31, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

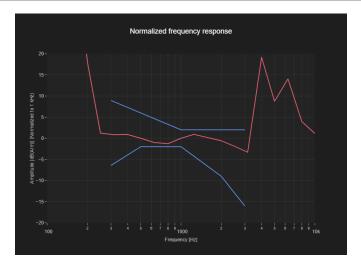
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| WLAN 5GHz | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | 60 | 5300.0 |

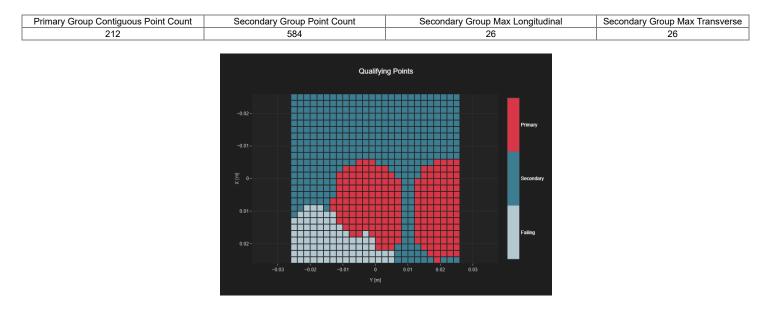
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.07 | 0.71 |



Plot No.21 T-Coil Coupling Mode Test Report



Plot No.22 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

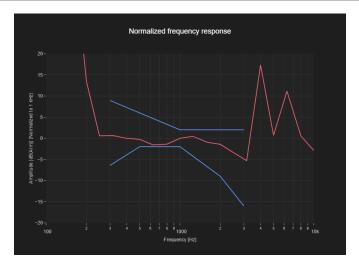
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| WLAN 5GHz | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | 116 | 5580.0 |

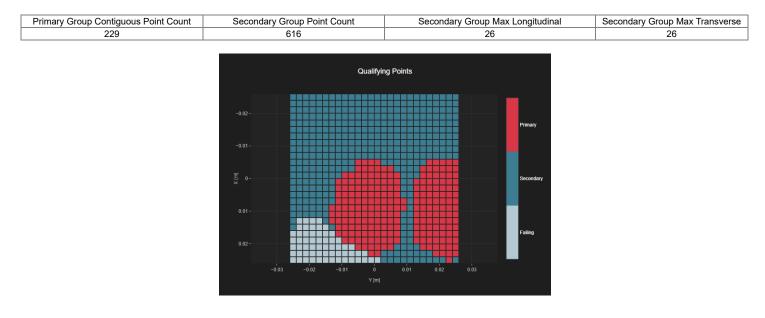
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.54 | 0.42 |



Plot No.22 T-Coil Coupling Mode Test Report



Plot No.23 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

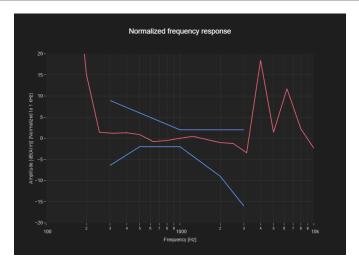
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| WLAN 5GHz | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | 157 | 5785.0 |

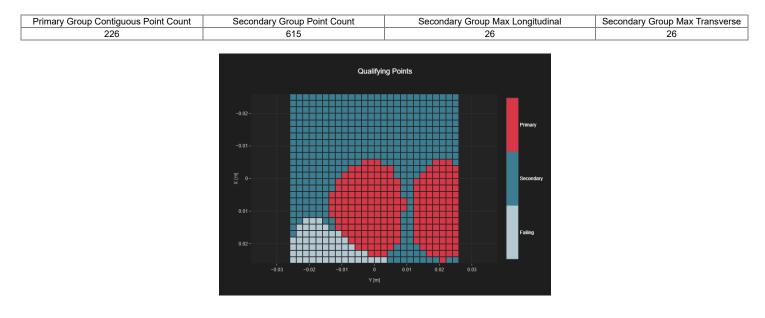
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.55 | 1.22 |



Plot No.23 T-Coil Coupling Mode Test Report



Plot No.24 T-Coil Signal Test Report

Measurement performed on July 31, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

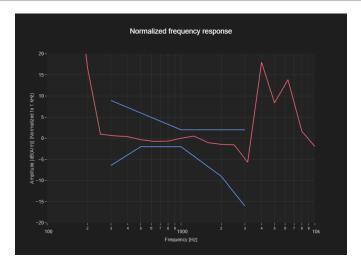
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| U-NII-4 | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | 173 | 5865.0 |

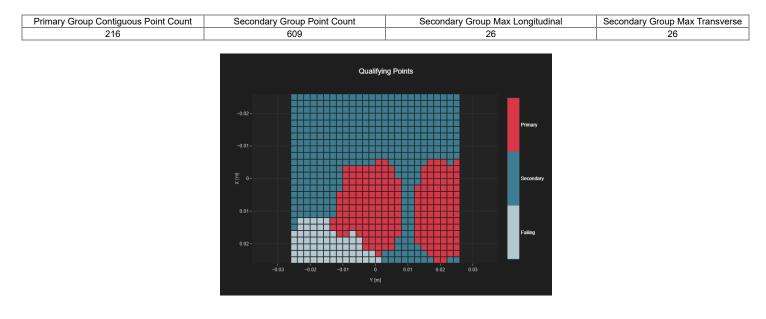
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.47 | 1.25 |



Plot No.24 T-Coil Coupling Mode Test Report



Plot No.25 T-Coil Signal Test Report

Measurement performed on July 31, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

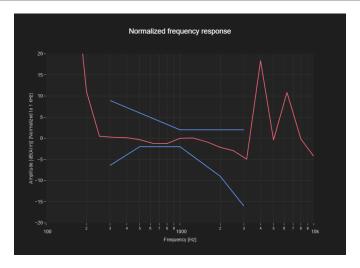
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| U-NII-5 | IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle) | 1 | 5955.0 |

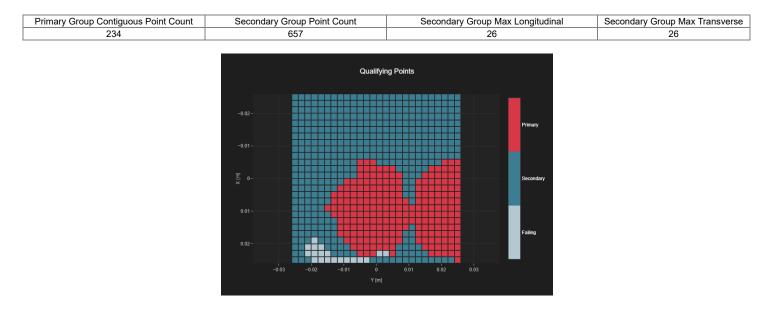
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.92 | 0.77 |



Plot No.25 T-Coil Coupling Mode Test Report



Plot No.26 T-Coil Signal Test Report

Measurement performed on July 31, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

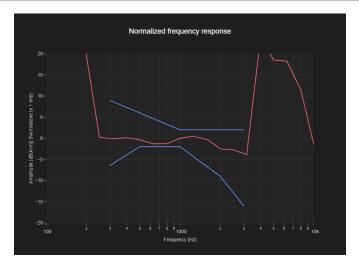
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------|---------|-----------------|
| GSM 850 | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | 189 | 836.4 |

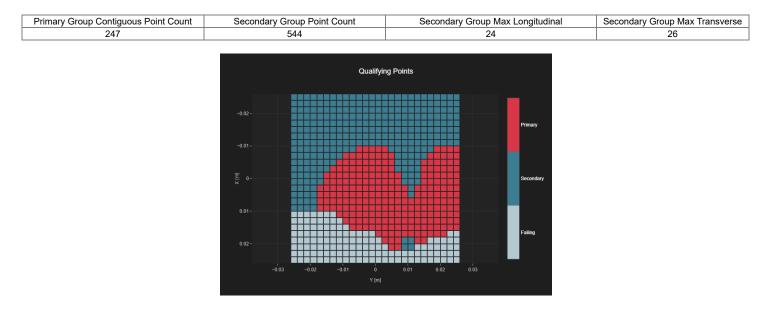
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.52 | 0.69 |



Plot No.26 T-Coil Coupling Mode Test Report



Plot No.27 T-Coil Signal Test Report

Measurement performed on July 31, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

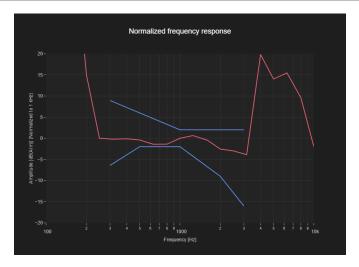
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|-----------------------------------|---------|-----------------|
| PCS 1900 | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | 661 | 1880.0 |

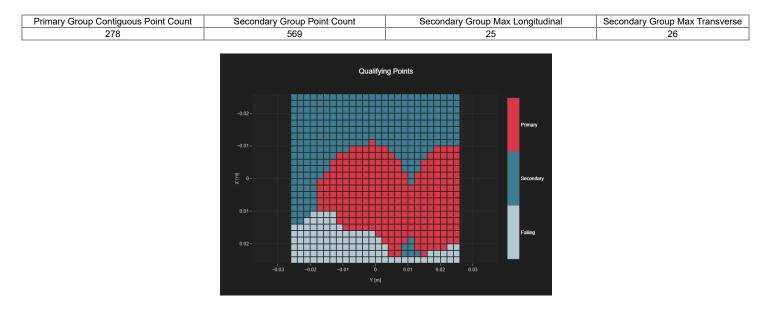
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.36 | 0.59 |



Plot No.27 T-Coil Coupling Mode Test Report



Plot No.28 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

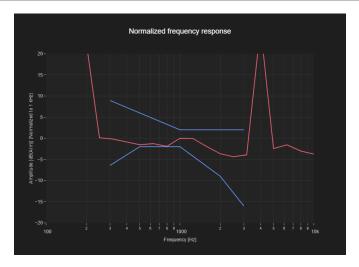
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 2 | UMTS-FDD (HSPA+) | 9400 | 1880.0 |

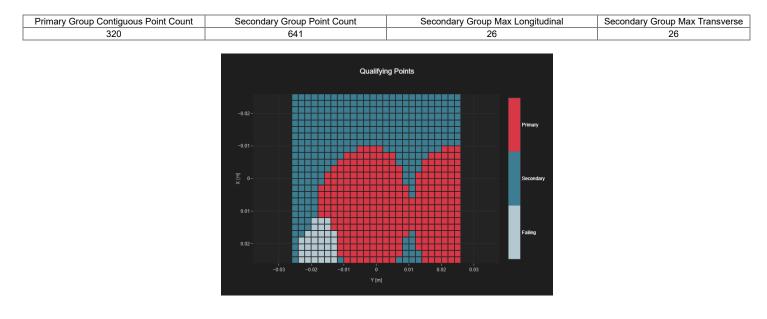
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 0.1 |



Plot No.28 T-Coil Coupling Mode Test Report



Plot No.29 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

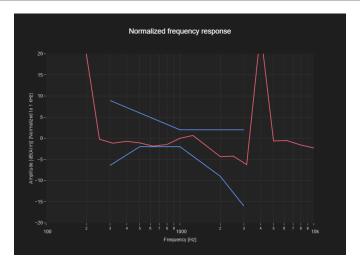
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 4 | UMTS-FDD (HSPA+) | 1413 | 1732.6 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.34 | 0.16 |



Plot No.29 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Coun | Secondary Group | o Max Longitudinal | Secondary Group Max Transver |
|--------------------------------------|----------------------------|-------------------|--------------------|------------------------------|
| 324 | 654 | | 26 | 26 |
| | | | | |
| | | | | |
| | | Qualifying Points | | |
| | | | | |
| | | | | |
| | -0.02- | | | |
| | -0.02 | | Deterrori | |
| | | | Primary | |
| | -0.01 - | | | |
| | 0.012 | | | |
| | | | | |
| | ξ _× ο- | | Secondary | |
| | × | | Secondary | |
| | | | | |
| | 0.01- | | | |
| | 0.01- | | | |
| | | | Failing | |
| | | | raiing | |
| | 0.02- | | | |
| | | | | |
| | -0.03 -0.02 -0.01 | 0 0.01 0.02 0.03 | | |
| | | Y [m] | | |
| | | | | |

Plot No.30 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

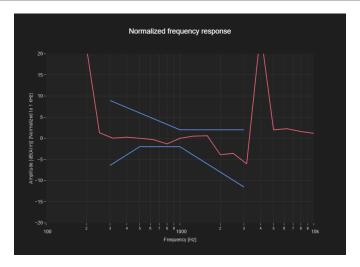
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 5 | UMTS-FDD (HSPA+) | 4182 | 836.4 |

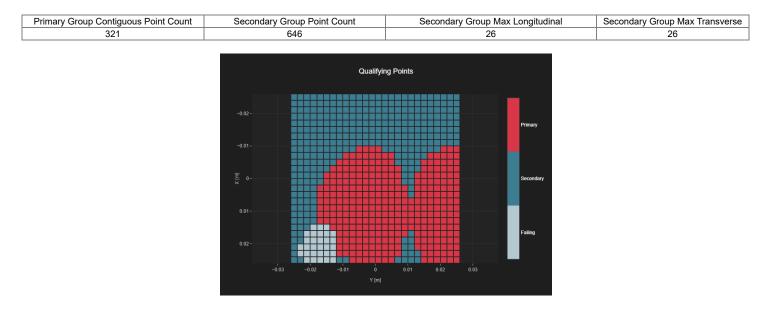
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.4 | 0.68 |



Plot No.30 T-Coil Coupling Mode Test Report



Plot No.31 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

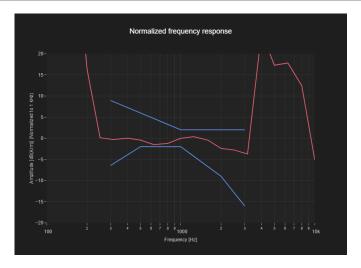
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 7 | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 21100 | 2535.0 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.62 | 0.5 |



Plot No.31 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transvers |
|--------------------------------------|-----------------------------|----------------------------------|-------------------------------|
| 330 | 643 | 26 | 26 |
| | Qua | alifying Points | |
| | -0.02- | Pimary | |
| | -0.01- | | |
| | E 0- | Secondary | |
| | 0.02- | Faing | |
| | -0.03 -0.02 -0.01 | o obi 0.02 0.03 Y [m] | |

Plot No.32 T-Coil Signal Test Report

Measurement performed on July 30, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

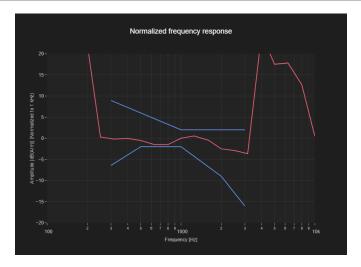
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 41 | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 40620 | 2593.0 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.45 | 0.52 |



Plot No.32 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Cou | unt Se | condary Group Max Lo | ngitudinal | Secondary Group Max Transvers |
|--------------------------------------|---------------------------|--|----------------------|------------|-------------------------------|
| 295 | 617 | | 26 | | 26 |
| | | | | | |
| | | | | | |
| | | Qualifying Points | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | -0.02 - | | | | |
| | | | P | imary | |
| | | | | | |
| | -0.01 - | | | | |
| | | | | | |
| | | | | | |
| | Ē 0- | | s | econdary | |
| | | | | | |
| | | │ | | | |
| | 0.01- | | | | |
| | | | | | |
| | | | F | ailing | |
| | 0.02- | | | | |
| | | | | | |
| | | ·■■■■i■■■=i===■ | | | |
| | -0.03 -0.02 -0.0 | | | | |
| | | Y [m] | | | |
| | | | | | |

Plot No.33 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

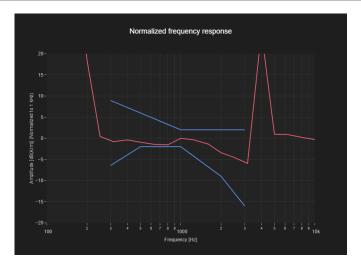
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| Band n7 | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, BPSK, 15 kHz) | 507000 | 2535.0 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 0.45 |



Plot No.33 T-Coil Coupling Mode Test Report

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 287 | 611 | 26 | 26 |
| | | | |
| | | | |
| | Q | alifying Points | |
| | | | |
| | | | |
| | -0.02- | | |
| | | Primary | |
| | | | |
| | -0.01 - | | |
| | | | |
| | | | |
| | <u>ت</u> ٥- | Secondary | |
| | × | | |
| | | | |
| | 0.01- | | |
| | | | |
| | | Failing | |
| | 0.02- | | |
| | | | |
| | | | |
| | -0.03 -0.02 -0.01 | 0 0.01 0.02 0.03 | |
| | | Y [m] | |
| | | | |

Plot No.34 T-Coil Signal Test Report

Measurement performed on July 29, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

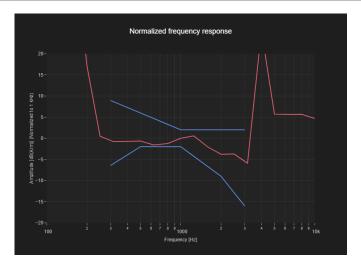
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| Band n77 | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, BPSK, 30 kHz) | 656000 | 3840.0 |

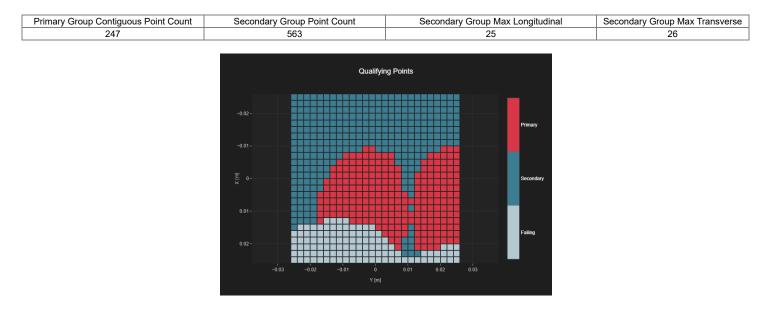
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.44 | 0.4 |



Plot No.34 T-Coil Coupling Mode Test Report



Plot No.35 T-Coil Signal Test Report

Measurement performed on July 31, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

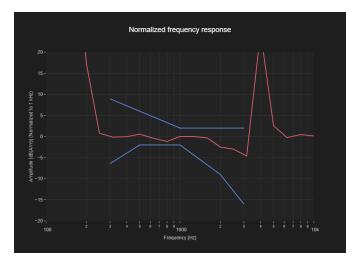
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|--|---------|-----------------|
| | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | 6 | 2437.0 |

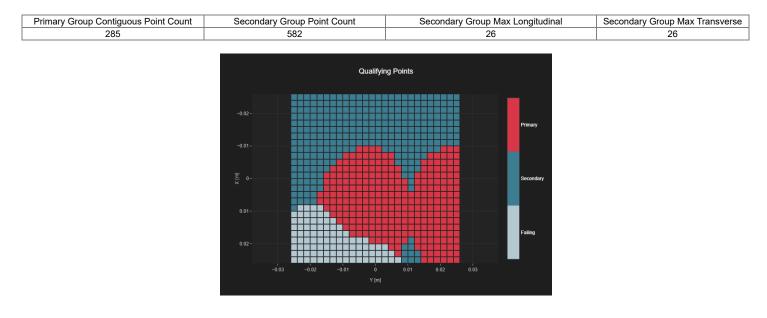
Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.98 | 0.84 |



Plot No.35 T-Coil Coupling Mode Test Report



Plot No.36 T-Coil Signal Test Report

Measurement performed on August 01, 2024

Device Under Test

| Dimensions [mm] | Speaker Position [mm] |
|---------------------|-----------------------|
| 155.0 x 74.0 x 10.0 | 154.0 |

Hardware Setup

| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
|---------------|------------------------|-------------|----------------------|
| AM1DV3 - 3104 | March 12, 2024 | DAE4 Sn1647 | December 27, 2023 |

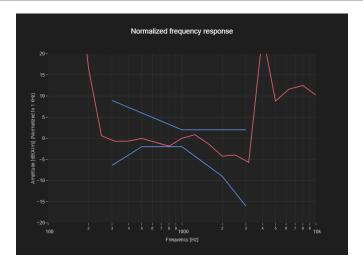
Communication Systems

| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|---|---------|-----------------|
| WLAN 5GHz | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | 60 | 5300.0 |

Grid Settings

| Extent X [mm] | Extent Y [mm] | Step X [mm] | Step Y [mm] | Distance [mm] |
|---------------|---------------|-------------|-------------|---------------|
| 52.0 | 52.0 | 4.0 | 4.0 | 10.0 |

| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0 | 1.15 | 0.14 |



Plot No.36 T-Coil Coupling Mode Test Report

