

Plot No.1 T-Coil Signal Test Report

Measurement performed on November 18, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

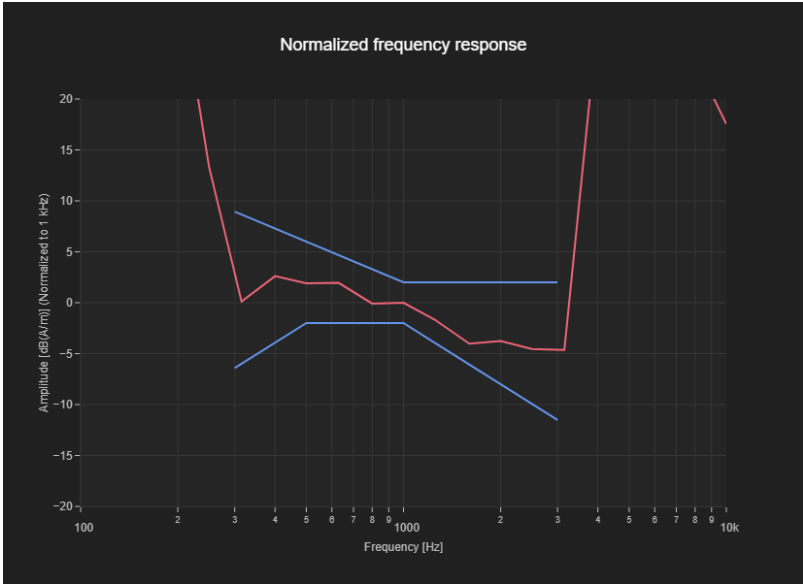
| | | | |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| GSM 850 | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 189 | 836.4 |

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 |

Results

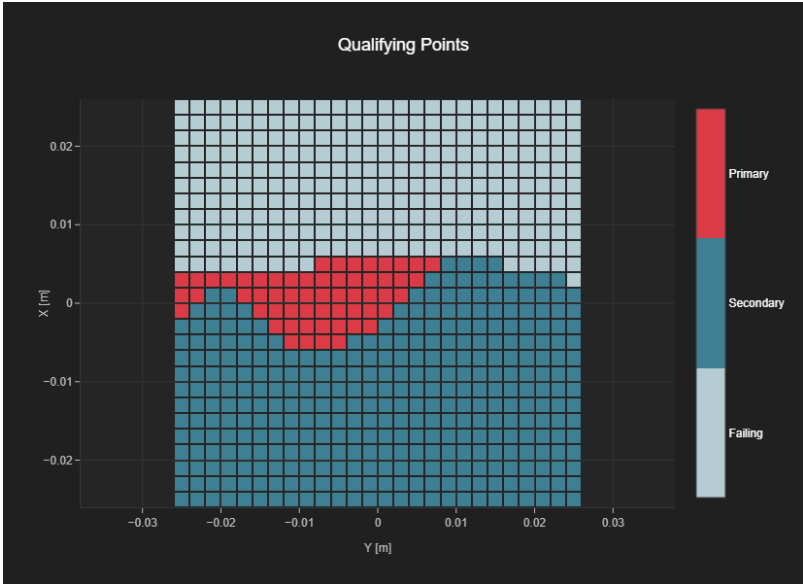
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 1.91 |



Plot No.1 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 58 | 401 | 16 | 26 |



Plot No.2 T-Coil Signal Test Report

Measurement performed on November 19, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

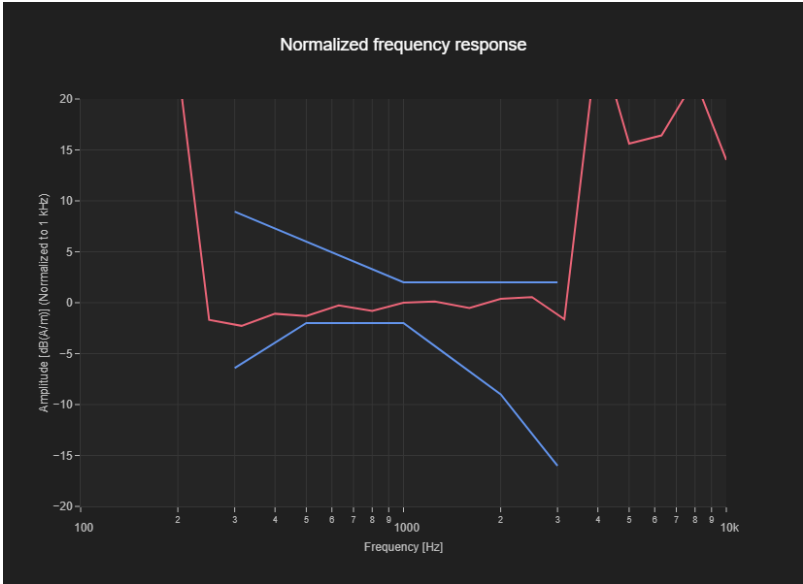
| | | | |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| PCS 1900 | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 661 | 1880.0 |

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 |

Results

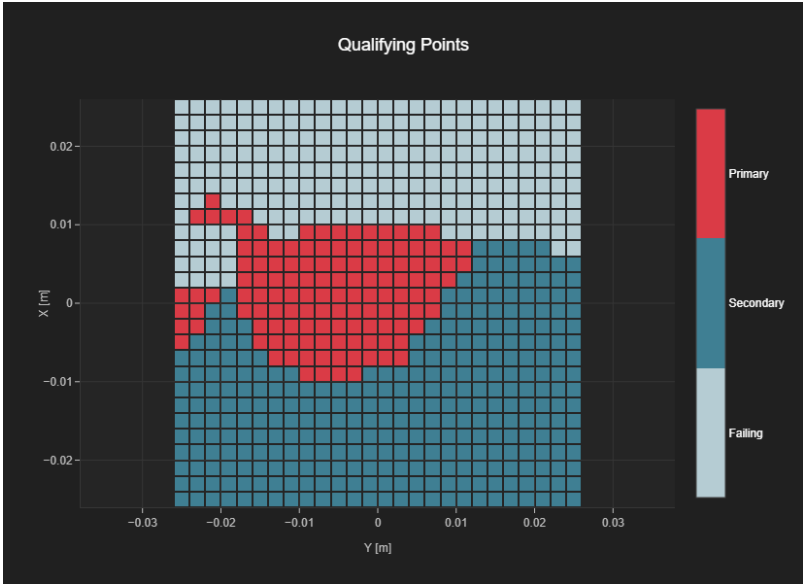
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.45 | 0.7 |



Plot No.2 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 128 | 444 | 19 | 26 |



Plot No.3 T-Coil Signal Test Report

Measurement performed on November 19, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

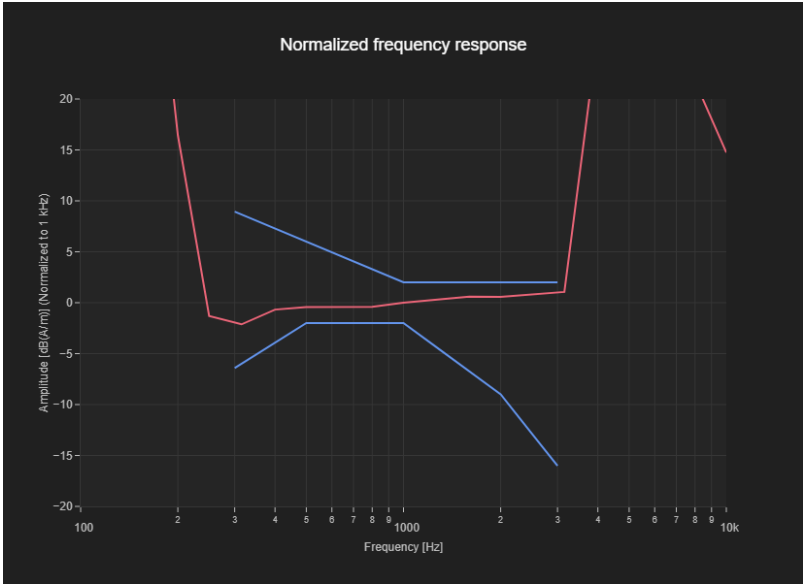
| | | | |
|------------------|----------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 2, UTRA/FDD | UMTS-FDD (HSPA+) | 9400 | 1880.0 |

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 |

Results

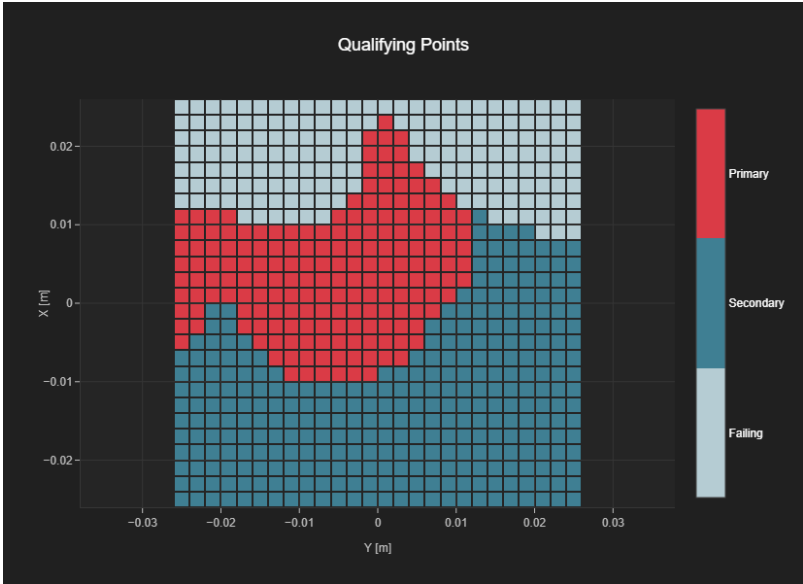
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.0 | 1.56 |



Plot No.3 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 186 | 502 | 25 | 26 |



Plot No.4 T-Coil Signal Test Report

Measurement performed on November 19, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

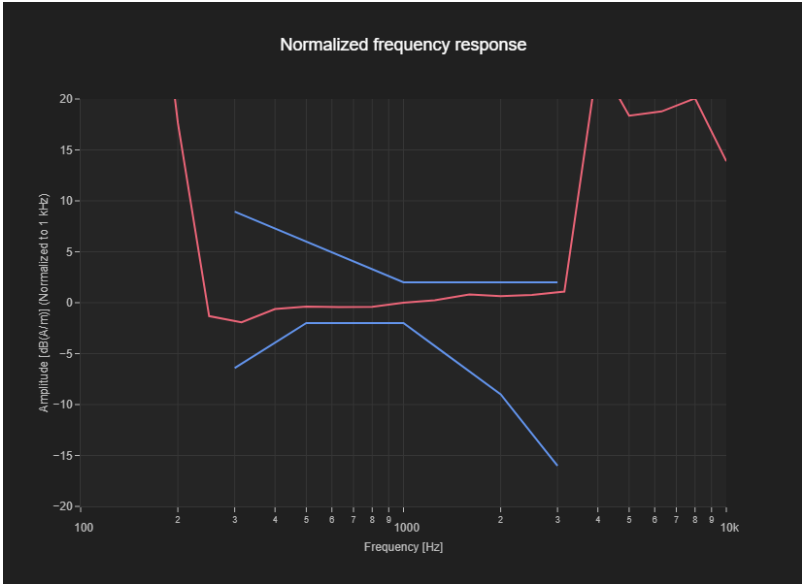
| | | | |
|------------------|----------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 4, UTRA/FDD | UMTS-FDD (HSPA+) | 1413 | 1732.6 |

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 |

Results

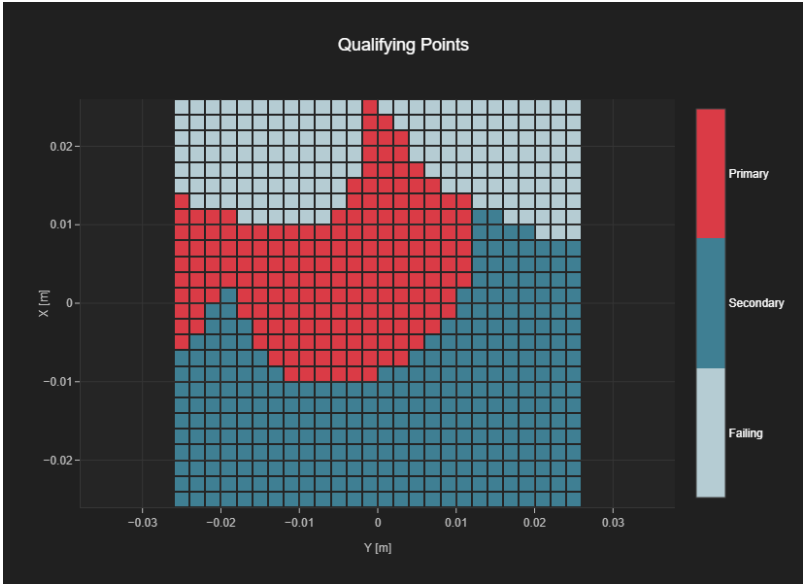
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 0.98 | 1.56 |



Plot No.4 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 191 | 508 | 26 | 26 |



Plot No.5 T-Coil Signal Test Report

Measurement performed on November 16, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

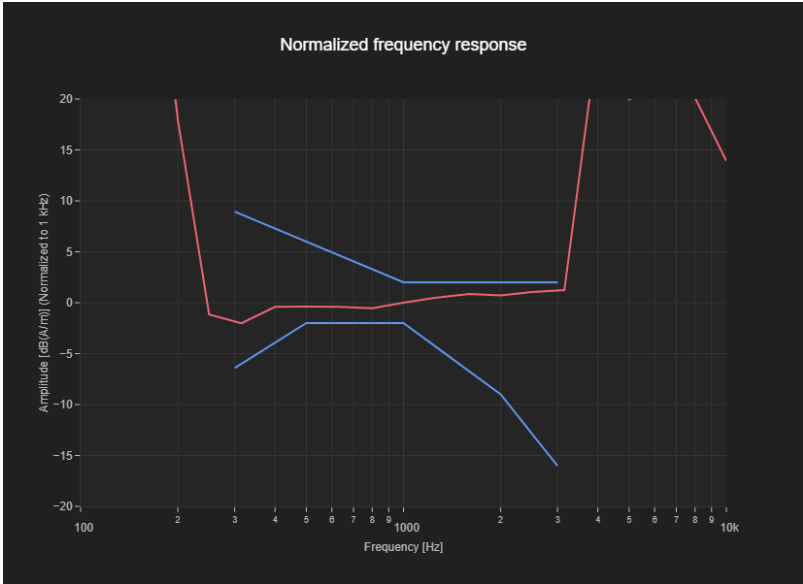
| | | | |
|------------------|----------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 5, UTRA/FDD | UMTS-FDD (HSPA+) | 4132 | 826.4 |

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 |

Results

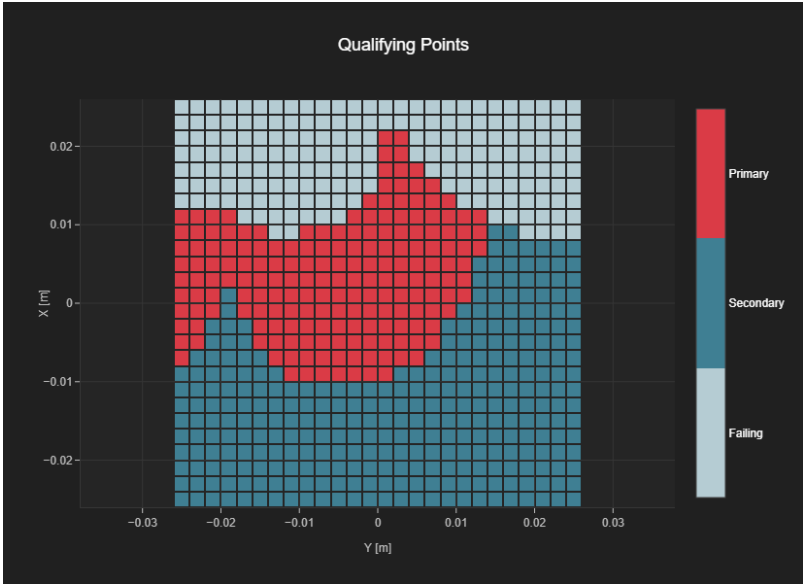
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 0.81 | 1.45 |



Plot No.5 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 187 | 492 | 24 | 26 |



Plot No.6 T-Coil Signal Test Report

Measurement performed on November 17, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

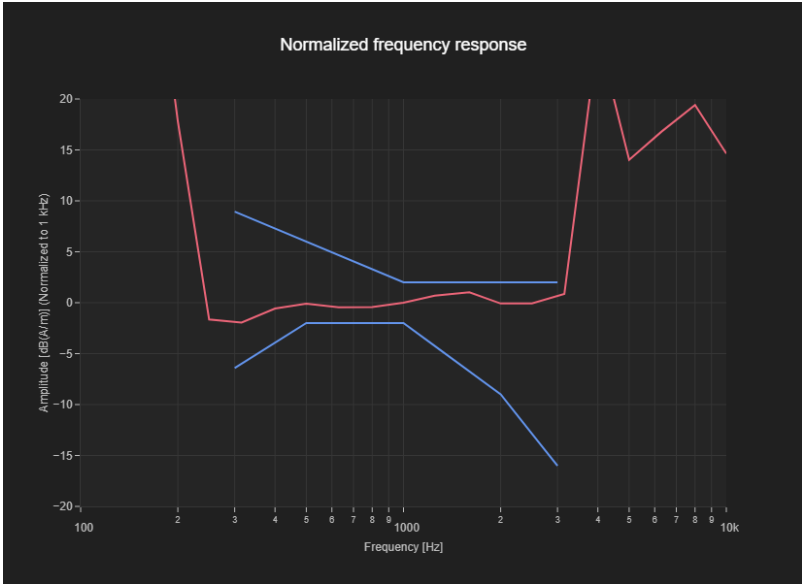
| | | | |
|---------------------|---------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 66, E-UTRA/FDD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 132322 | 1745.0 |

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 |

Results

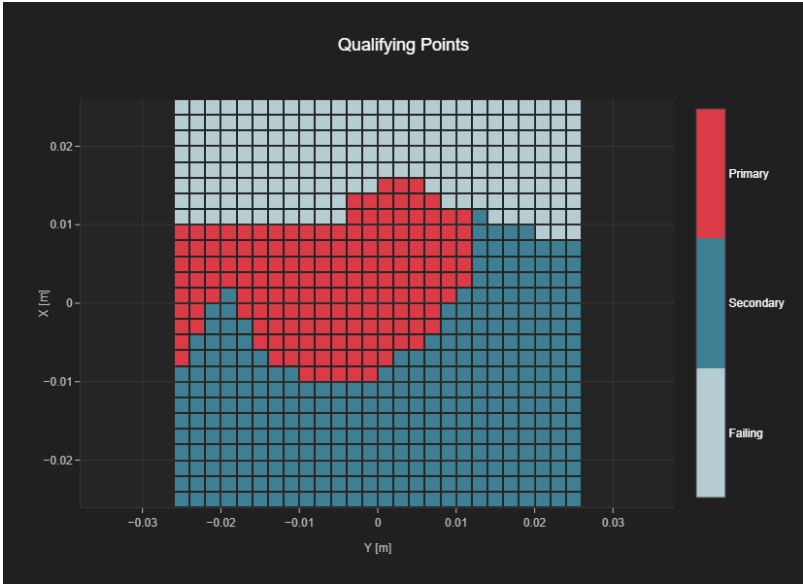
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 0.97 | 1.55 |



Plot No.6 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 165 | 483 | 21 | 26 |



Plot No.7 T-Coil Signal Test Report

Measurement performed on November 19, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

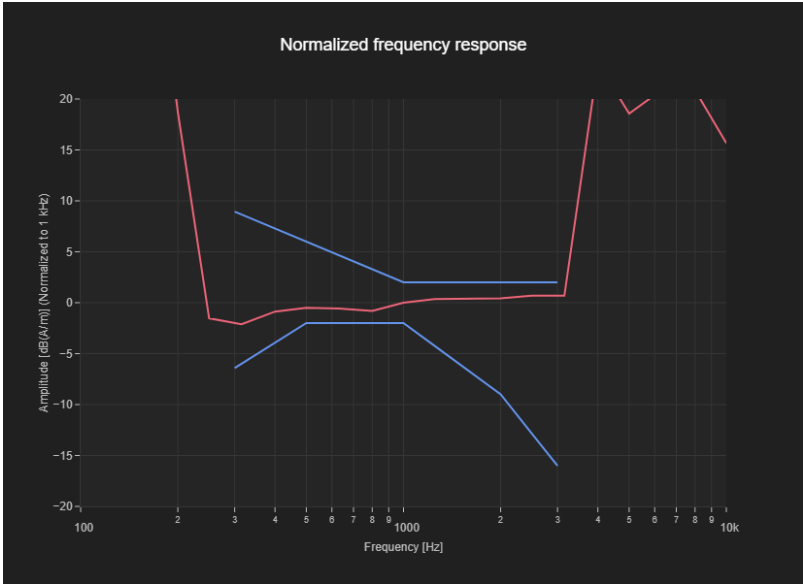
| | | | |
|---------------------|---------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 41, E-UTRA/TDD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 40620 | 2593.0 |

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 |

Results

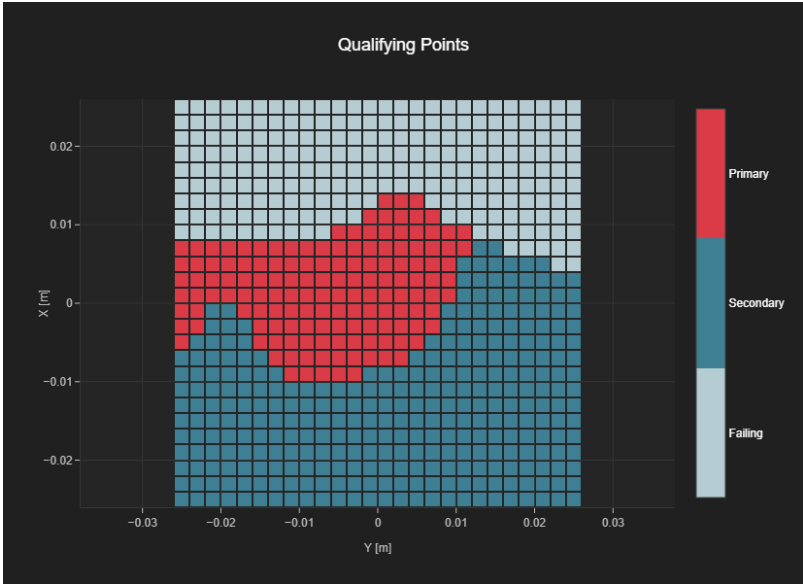
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.31 | 1.19 |



Plot No.7 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 145 | 452 | 20 | 26 |



Plot No.8 T-Coil Signal Test Report

Measurement performed on November 17, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

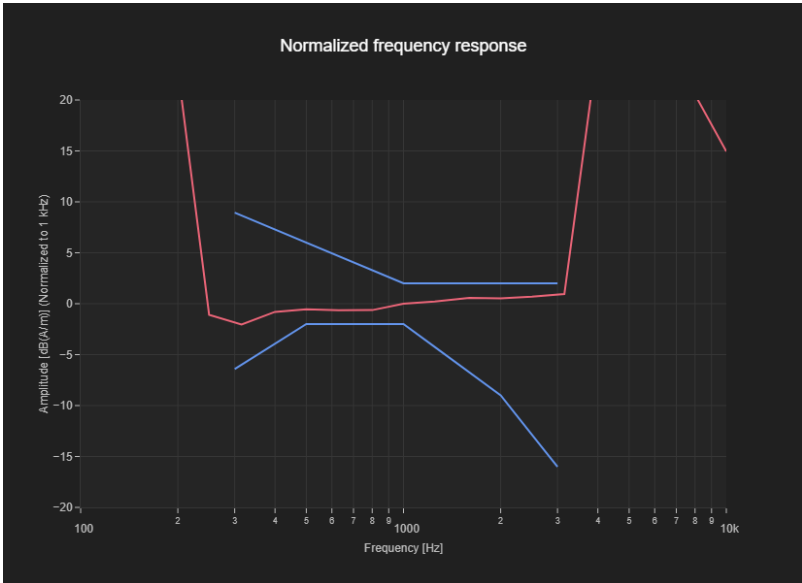
| | | | |
|-------------|---|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| WLAN 2.4GHz | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | 6 | 2437.0 |

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 |

Results

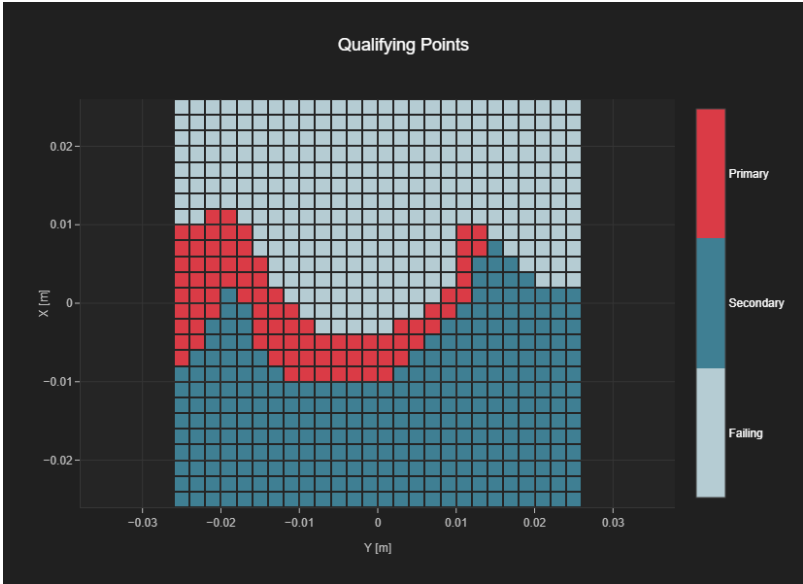
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.11 | 1.35 |



Plot No.8 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 85 | 379 | 19 | 26 |



Plot No.9 T-Coil Signal Test Report

Measurement performed on November 17, 2023

Device Under Test

| | |
|--------------------|-----------------------|
| Dimensions [mm] | Speaker Position [mm] |
| 165.0 x 75.0 x 9.0 | 164.0 |

Hardware Setup

| | | | |
|---------------|------------------------|-------------|----------------------|
| Probe Name | Probe Calibration Date | DAE Name | DAE Calibration Date |
| AM1DV3 - 3104 | March 16, 2023 | DAE4 Sn1399 | February 21, 2023 |

Communication Systems

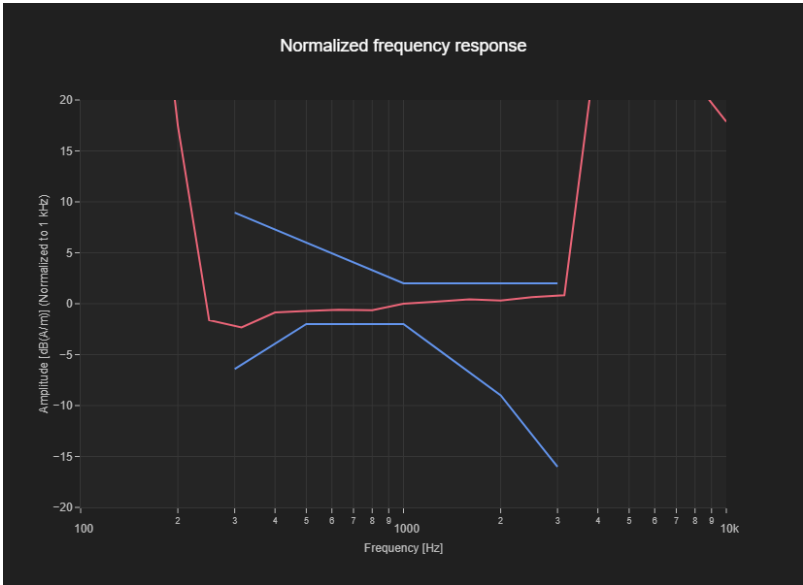
| | | | |
|-----------|---|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| WLAN 5GHz | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | 40 | 5200.0 |

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 |

Results

| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.21 | 1.28 |



Plot No.9 T-Coil Coupling Mode Test Report

Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 92 | 391 | 19 | 26 |

