

# 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

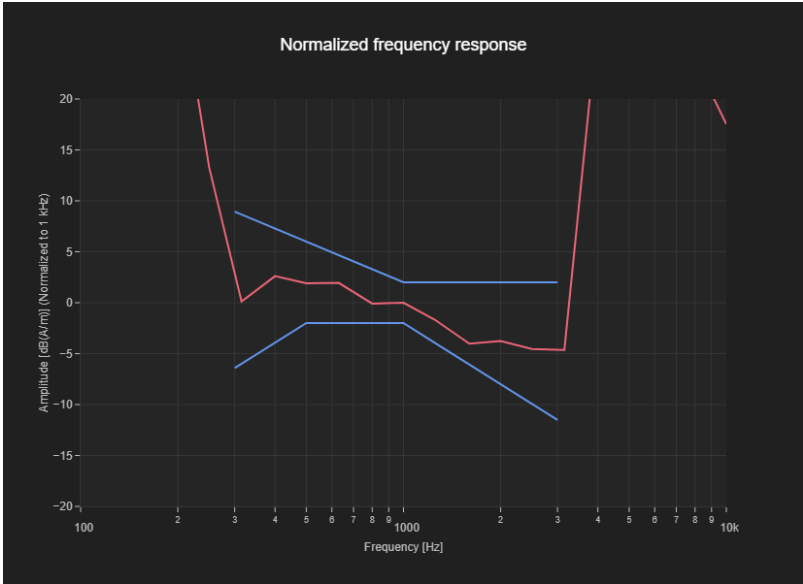
|           |                               |         |                 |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name    | Channel | Frequency [MHz] |
| GSM 850   | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 189     | 836.4           |

## 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

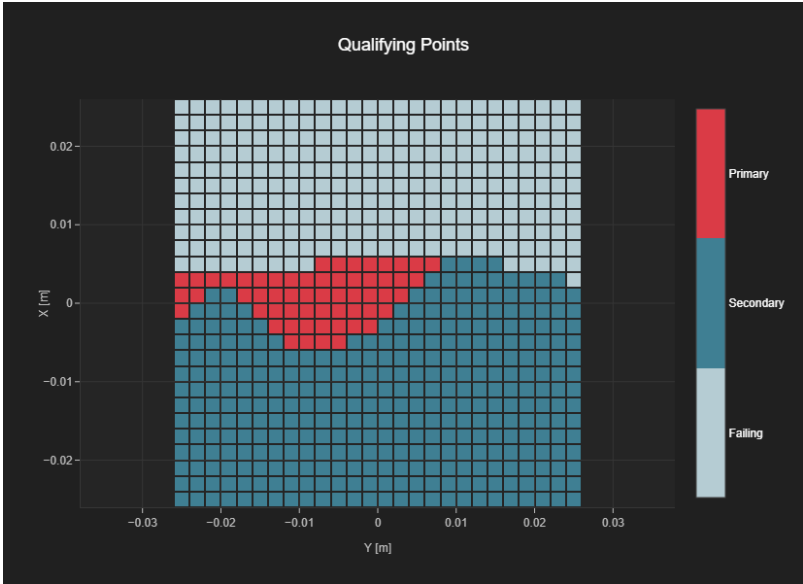
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

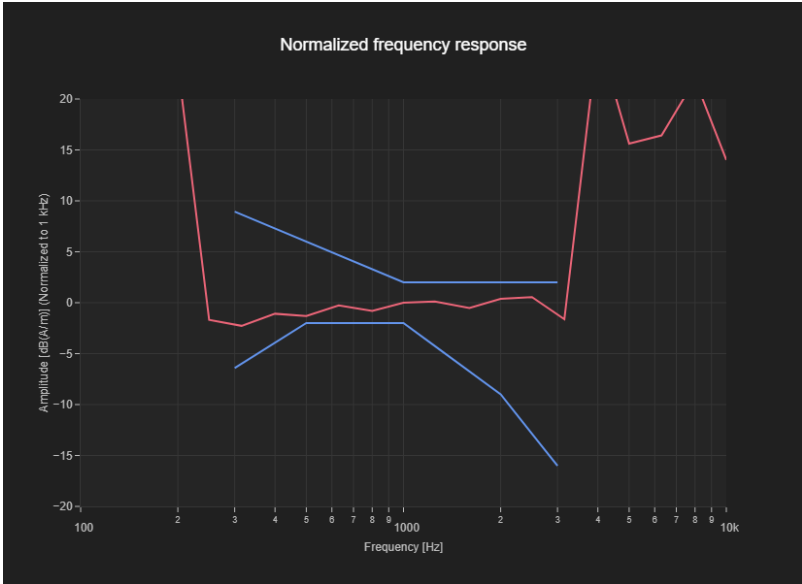
|           |                               |         |                 |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name    | Channel | Frequency [MHz] |
| PCS 1900  | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 661     | 1880.0          |

## 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

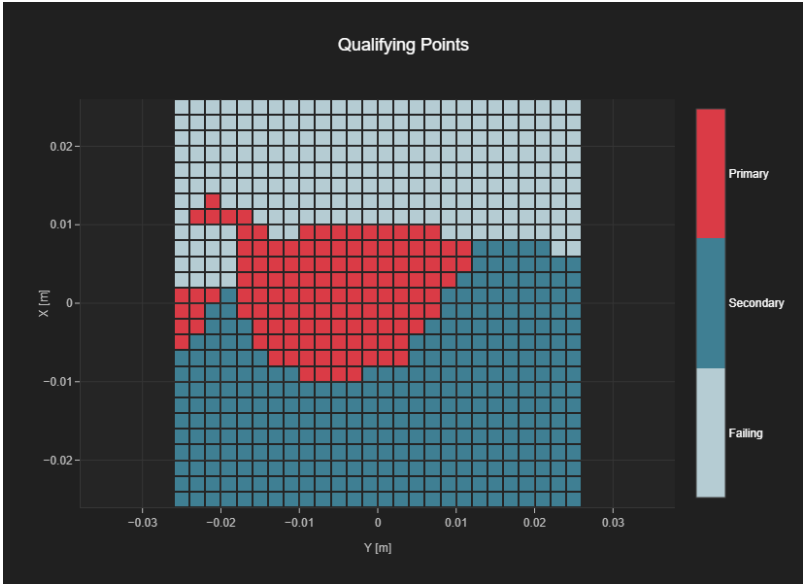
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

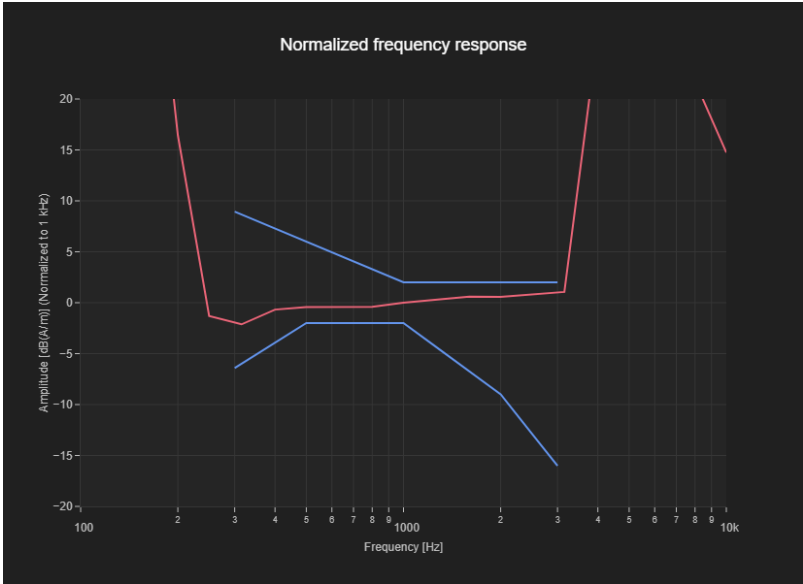
|                  |                            |         |                 |
|------------------|----------------------------|---------|-----------------|
| Band Name        | Communication Systems Name | Channel | Frequency [MHz] |
| Band 2, UTRA/FDD | UMTS-FDD (HSPA+)           | 9400    | 1880.0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

## 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

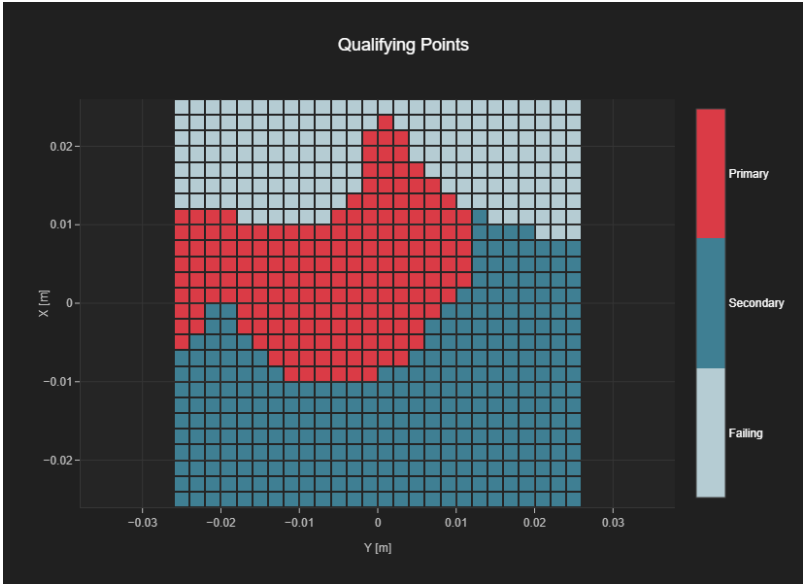
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

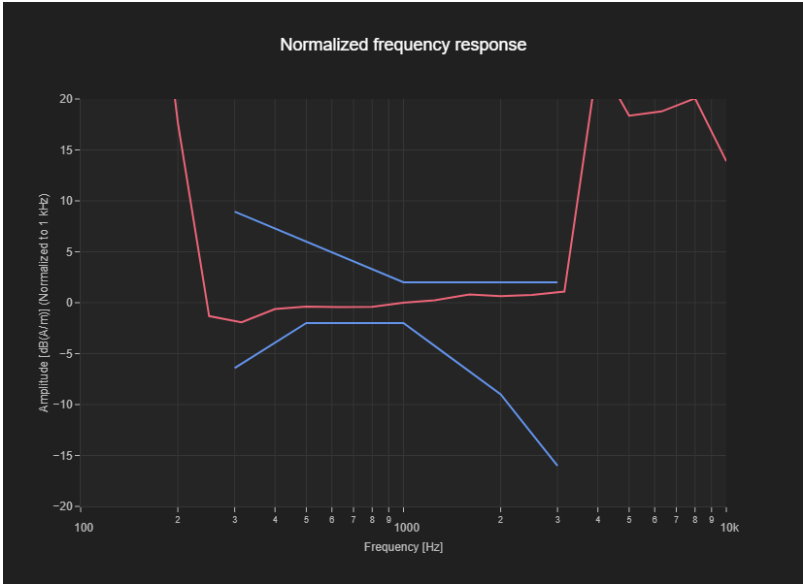
|                  |                            |         |                 |
|------------------|----------------------------|---------|-----------------|
| Band Name        | Communication Systems Name | Channel | Frequency [MHz] |
| Band 4, UTRA/FDD | UMTS-FDD (HSPA+)           | 1413    | 1732.6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

## 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

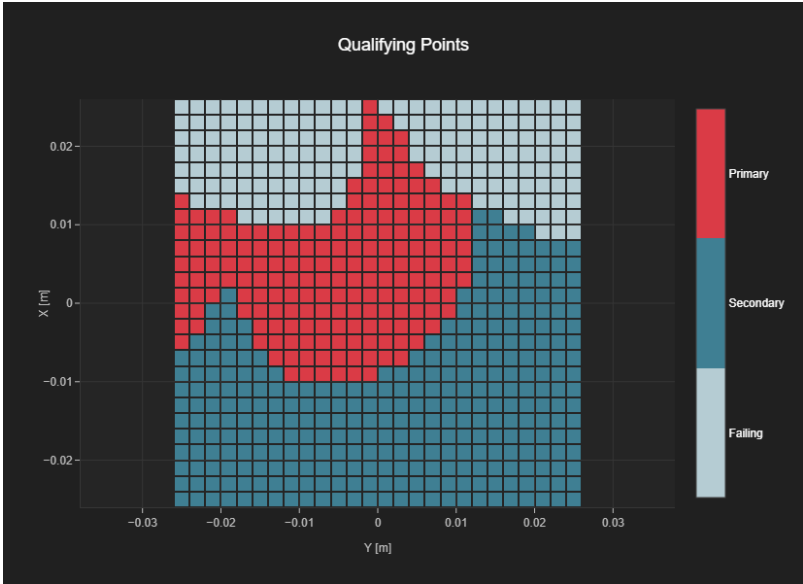
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

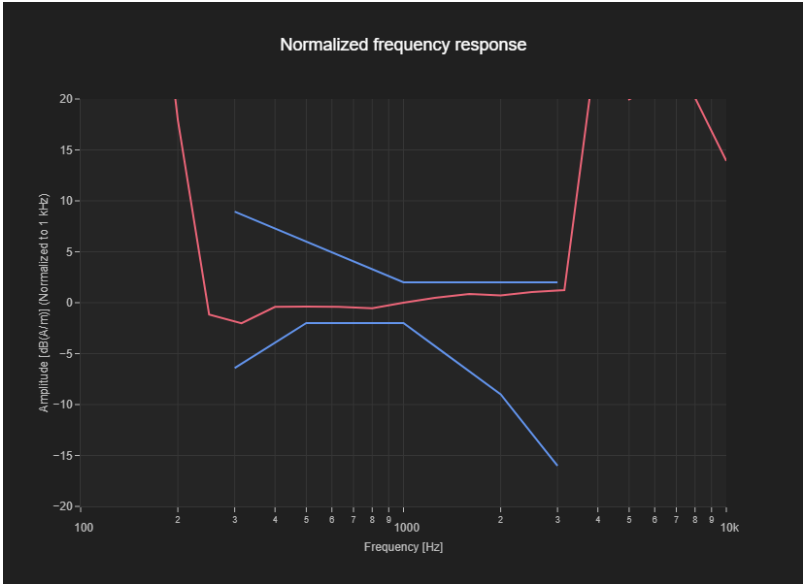
|                  |                            |         |                 |
|------------------|----------------------------|---------|-----------------|
| Band Name        | Communication Systems Name | Channel | Frequency [MHz] |
| Band 5, UTRA/FDD | UMTS-FDD (HSPA+)           | 4132    | 826.4 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

## 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

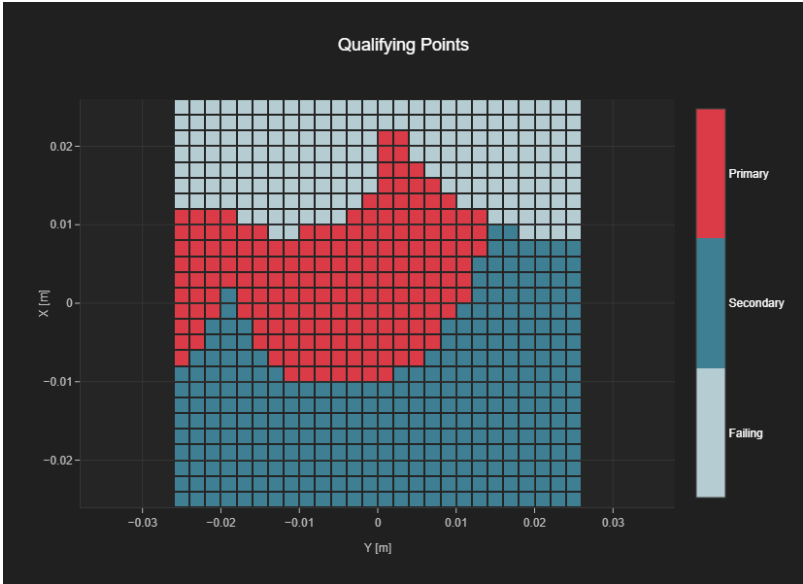
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

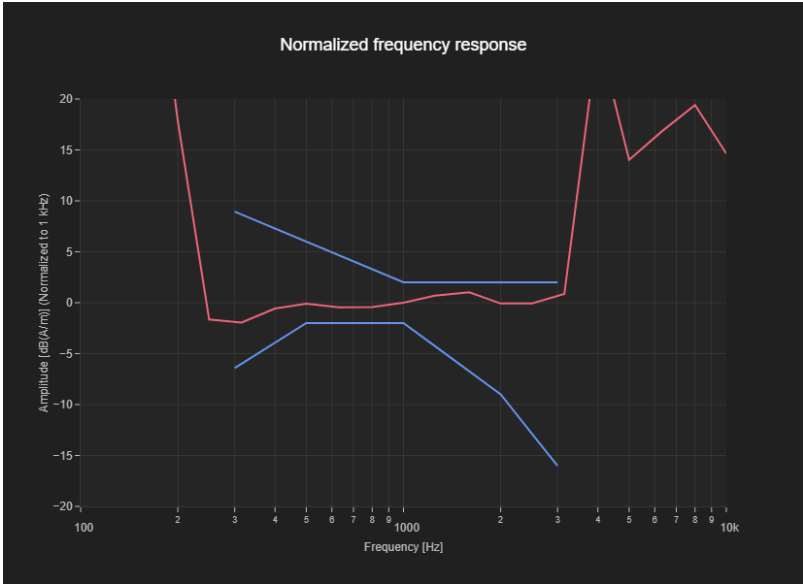
|                     |                                       |         |                 |
|---------------------|---------------------------------------|---------|-----------------|
| Band Name           | Communication Systems Name            | Channel | Frequency [MHz] |
| Band 66, E-UTRA/FDD | LTE-FDD (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

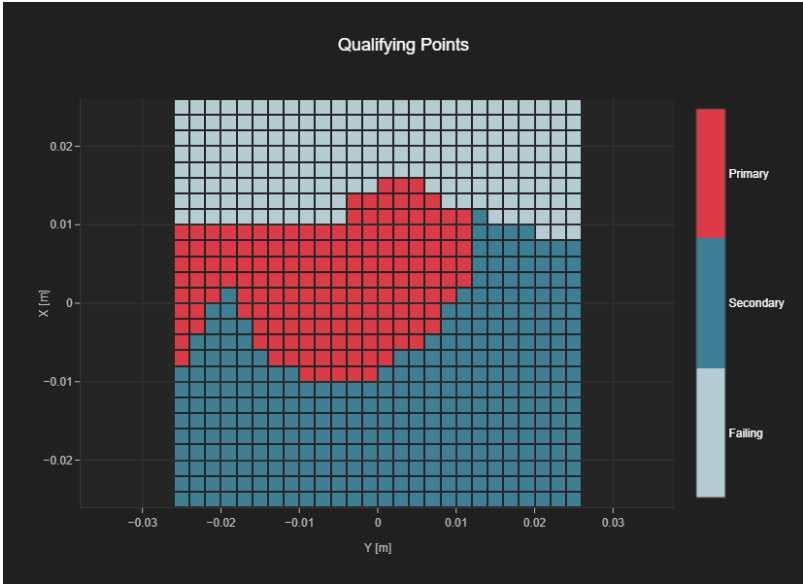
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

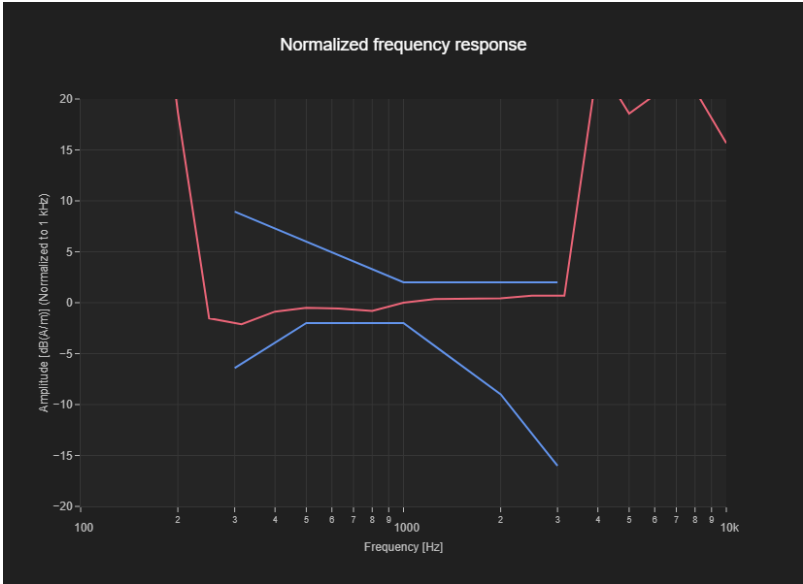
|                     |                                       |         |                 |
|---------------------|---------------------------------------|---------|-----------------|
| Band Name           | Communication Systems Name            | Channel | Frequency [MHz] |
| Band 41, E-UTRA/TDD | LTE-TDD (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

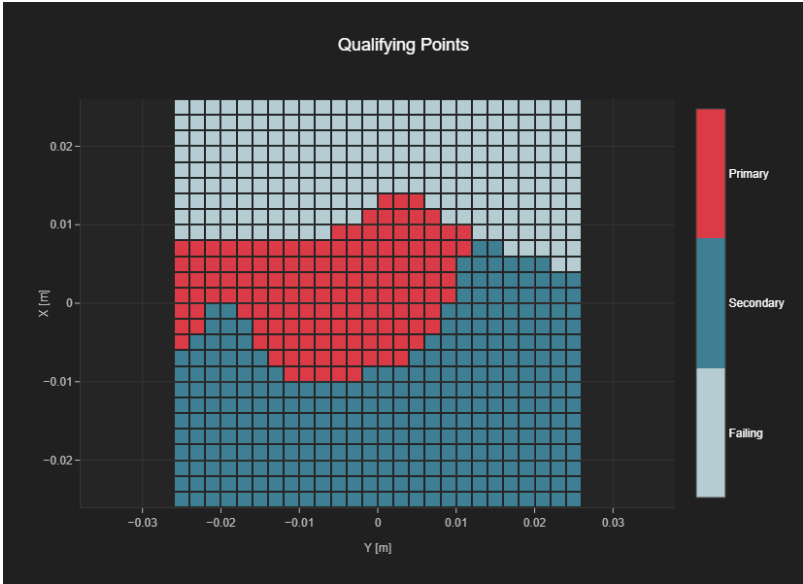
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

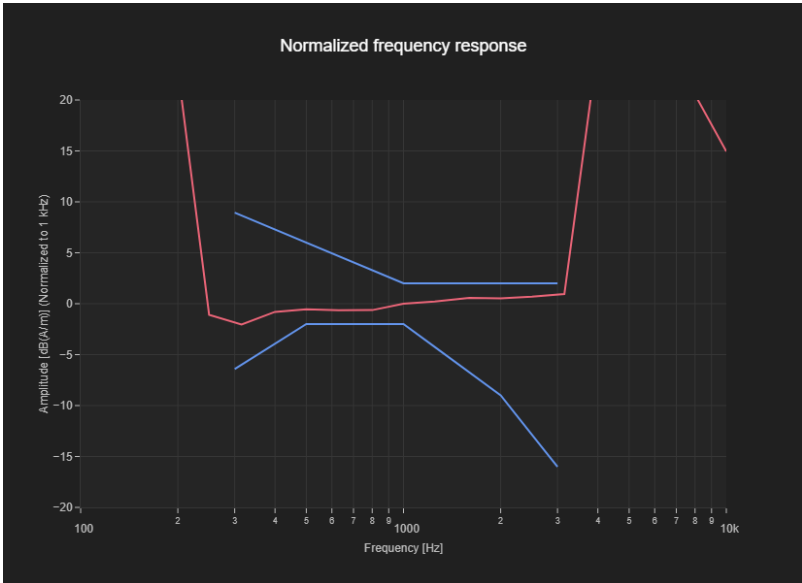
|             |                                                       |         |                 |
|-------------|-------------------------------------------------------|---------|-----------------|
| Band Name   | Communication Systems Name                            | Channel | Frequency [MHz] |
| 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

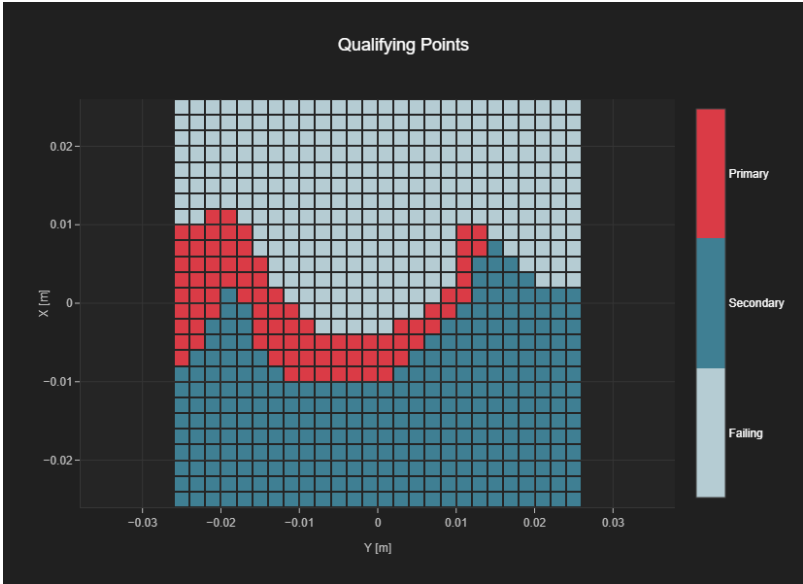
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | 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

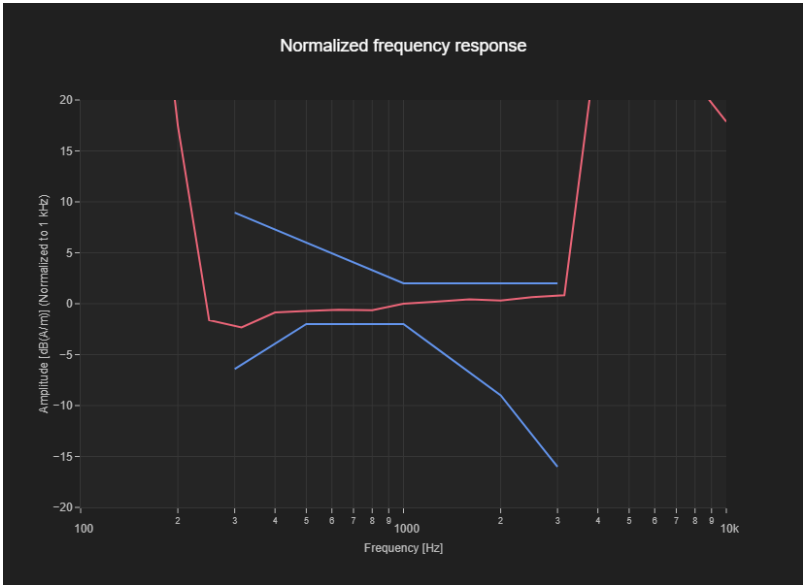
|           |                                                       |         |                 |
|-----------|-------------------------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name                            | Channel | Frequency [MHz] |
| WLAN 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                             |

