

# Plot No.01 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

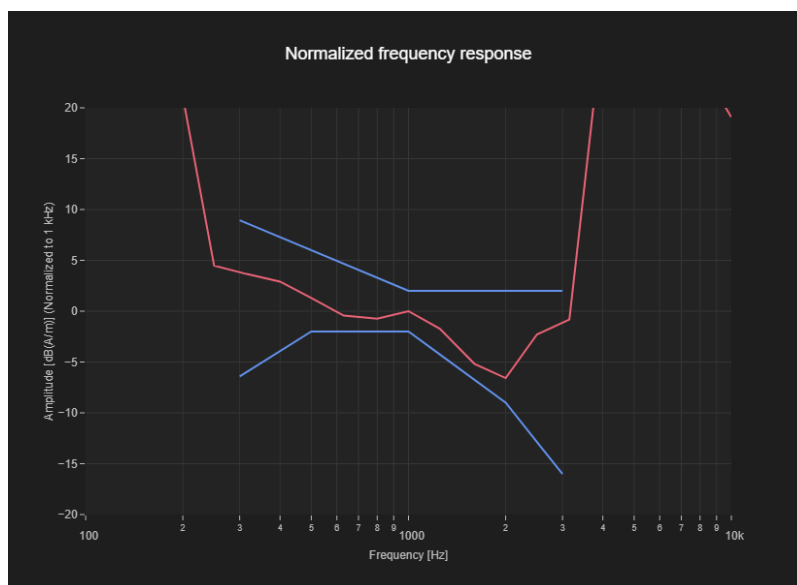
| Band Name | Communication Systems Name    | Channel | Frequency [MHz] |
|-----------|-------------------------------|---------|-----------------|
| GSM 850   | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 189     | 836.4           |

## 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

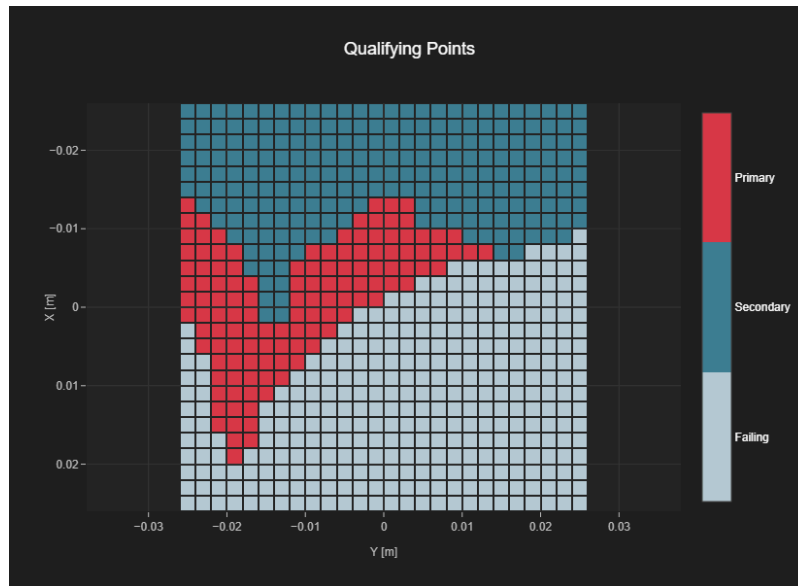
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.27                    |



# Plot No.01 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 125                                  | 352                         | 23                               | 26                             |



# Plot No.02 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

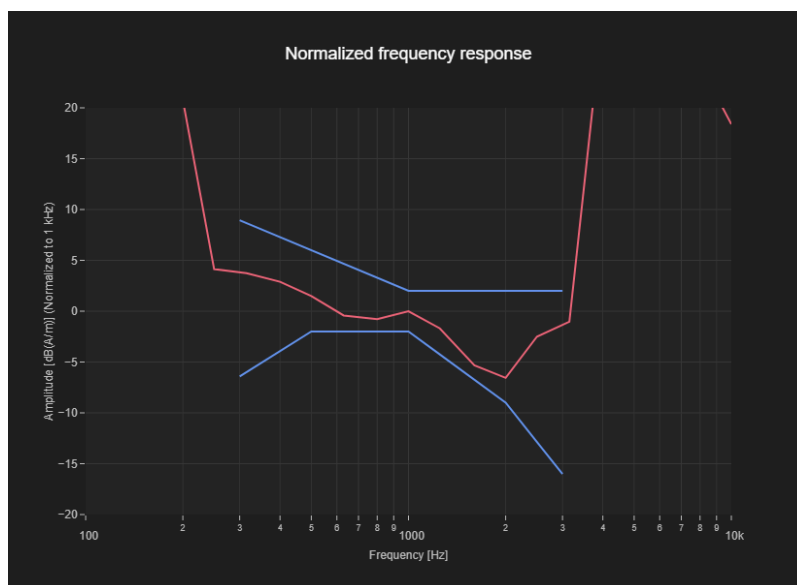
| Band Name | Communication Systems Name    | Channel | Frequency [MHz] |
|-----------|-------------------------------|---------|-----------------|
| PCS 1900  | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 661     | 1880.0          |

## 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

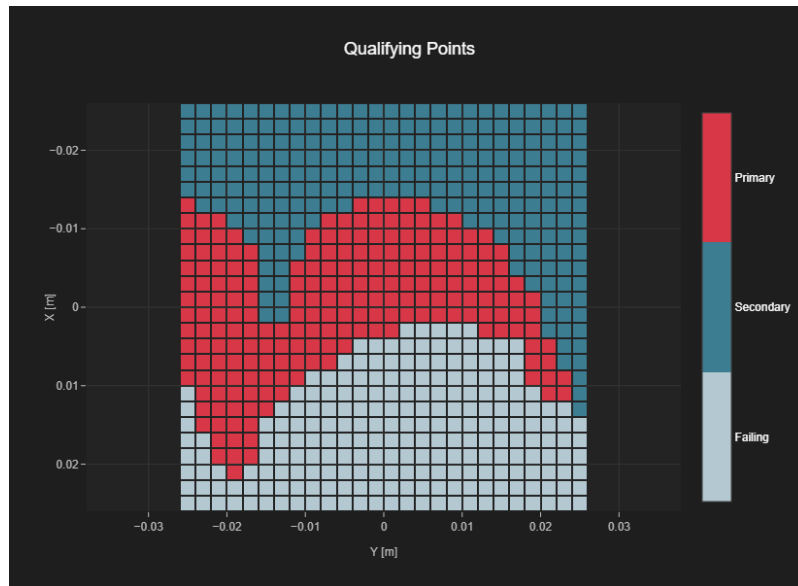
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     |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



# Plot No.02 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 211                                  | 452                         | 24                               | 26                             |



# Plot No.03 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

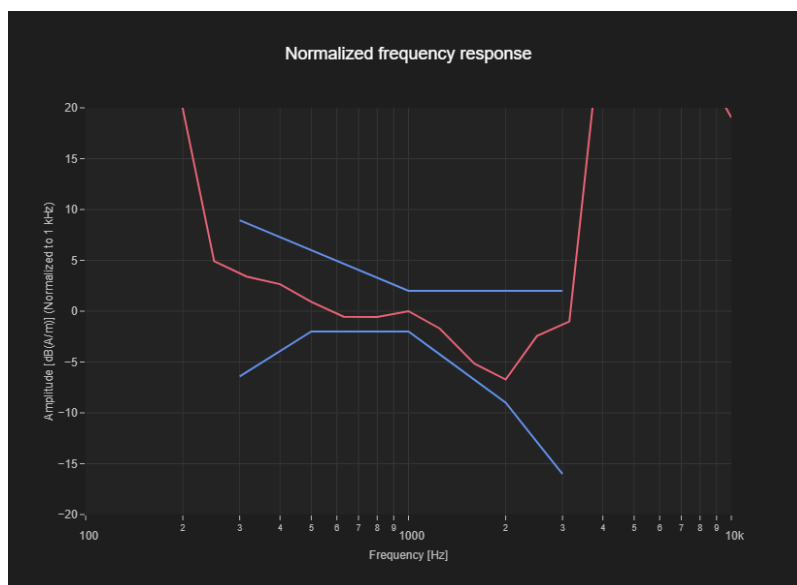
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 2    | UMTS-FDD (HSPA+)           | 9400    | 1880.0          |

## 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          |

## Results

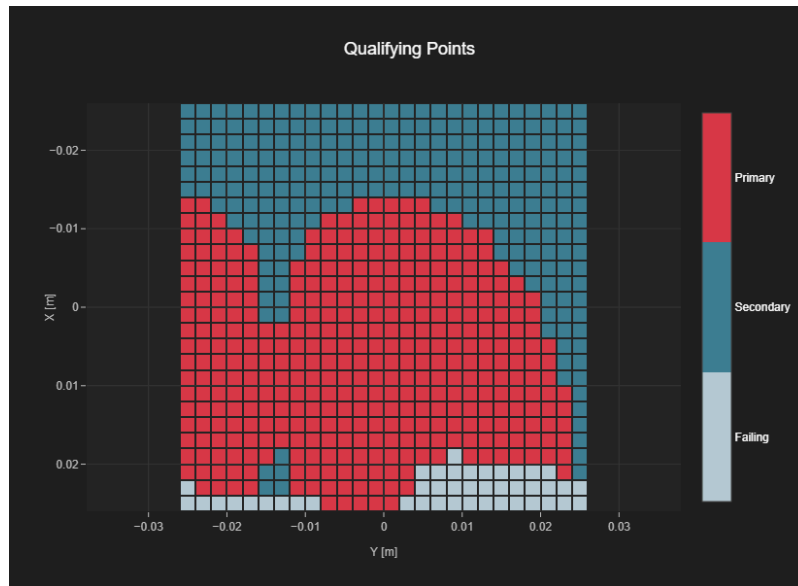
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     |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



# Plot No.03 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 382                                  | 633                         | 26                               | 26                             |



# Plot No.04 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

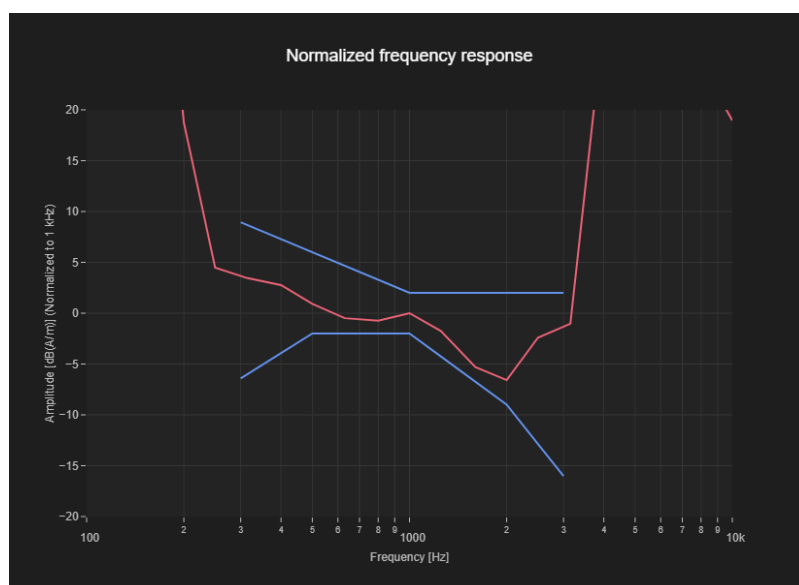
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 4    | UMTS-FDD (HSPA+)           | 1413    | 1732.6          |

## 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          |

## Results

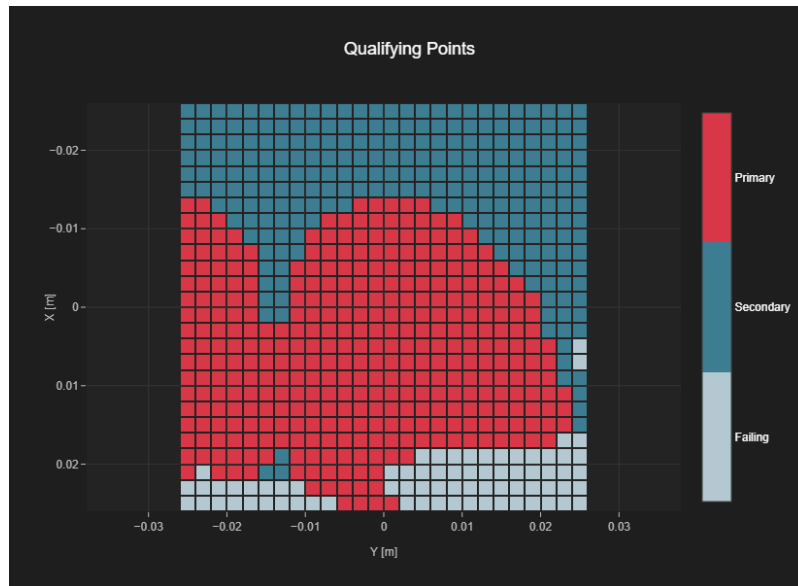
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     |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



# Plot No.04 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 359                                  | 604                         | 26                               | 26                             |





# Plot No.05 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

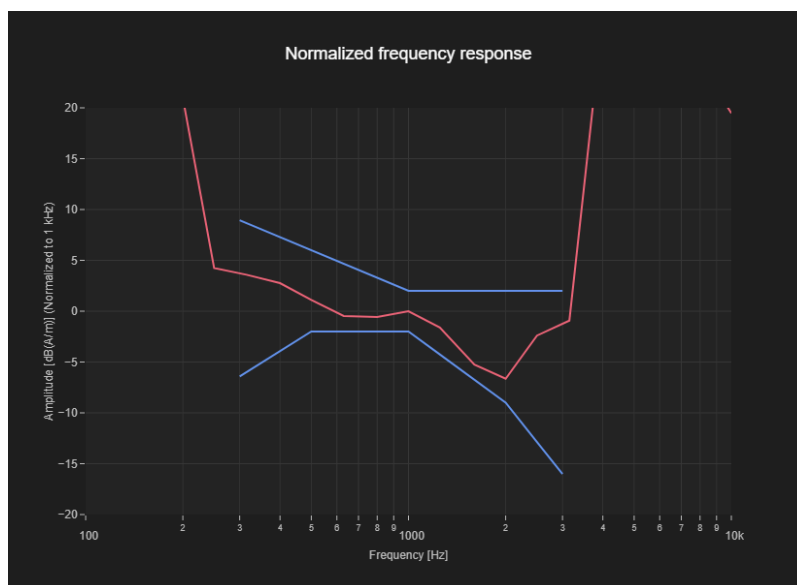
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
|-----------|----------------------------|---------|-----------------|
| Band 5    | UMTS-FDD (HSPA+)           | 4182    | 836.4           |

## 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          |

## Results

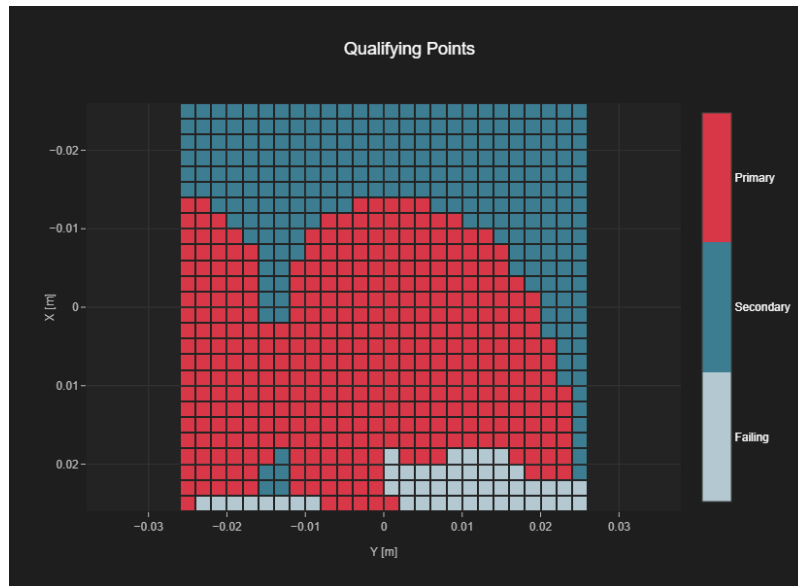
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.42                    |



# Plot No.05 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 379                                  | 629                         | 26                               | 26                             |



# Plot No.06 T-Coil Signal Test Report

Measurement performed on November 22, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

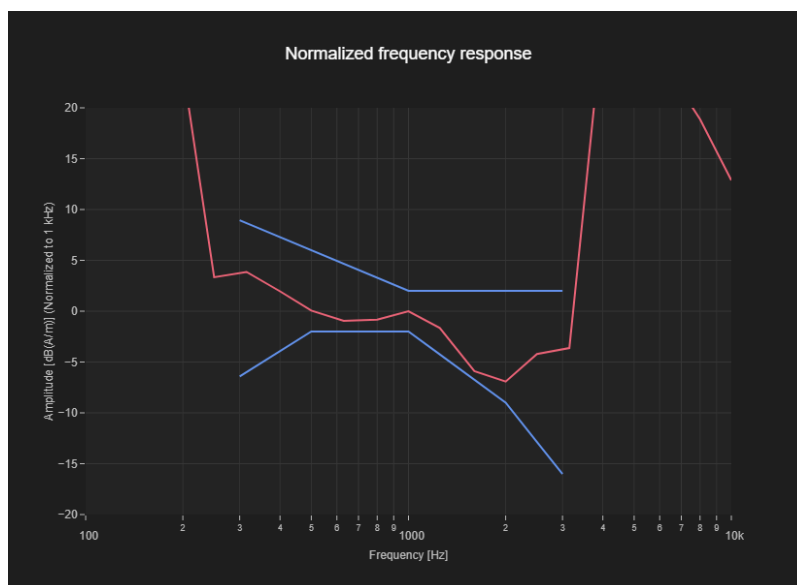
| Band Name | Communication Systems Name            | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 7    | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 21100   | 2535.0          |

## 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          |

## Results

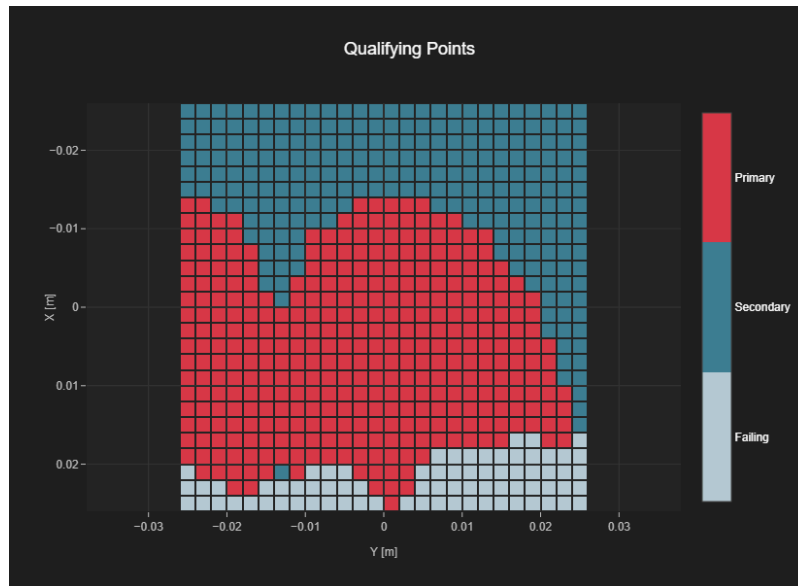
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 0.86                    |



# Plot No.06 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 360                                  | 602                         | 26                               | 26                             |



# Plot No.07 T-Coil Signal Test Report

Measurement performed on November 22, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

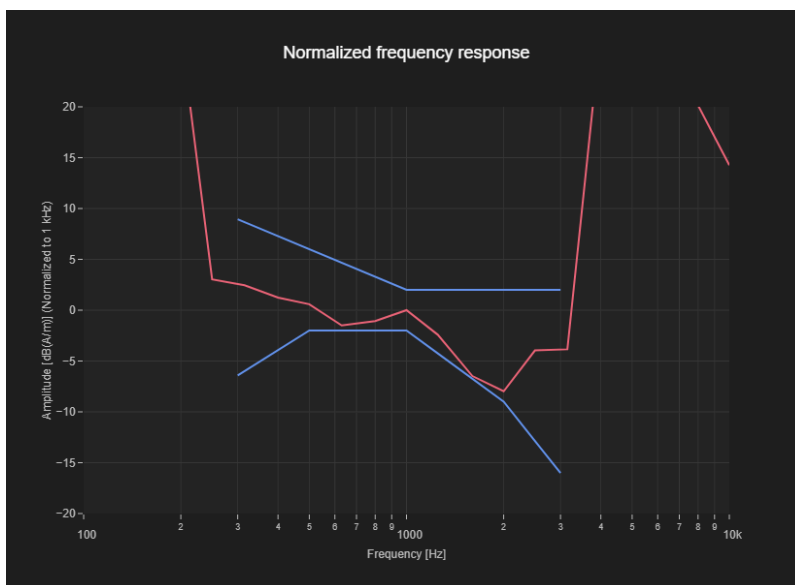
| Band Name | Communication Systems Name            | Channel | Frequency [MHz] |
|-----------|---------------------------------------|---------|-----------------|
| Band 48   | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 55830   | 3609.0          |

## 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

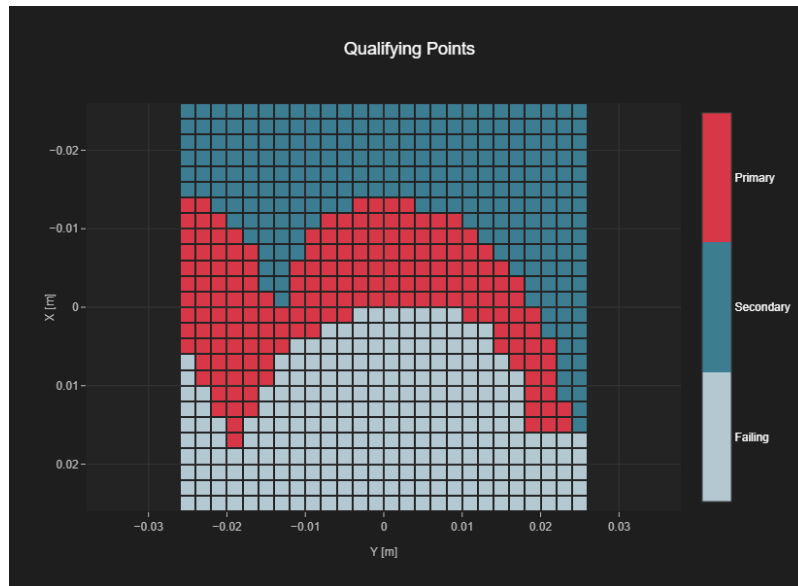
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     |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



# Plot No.07 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 180                                  | 424                         | 22                               | 26                             |



# Plot No.08 T-Coil Signal Test Report

Measurement performed on November 22, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

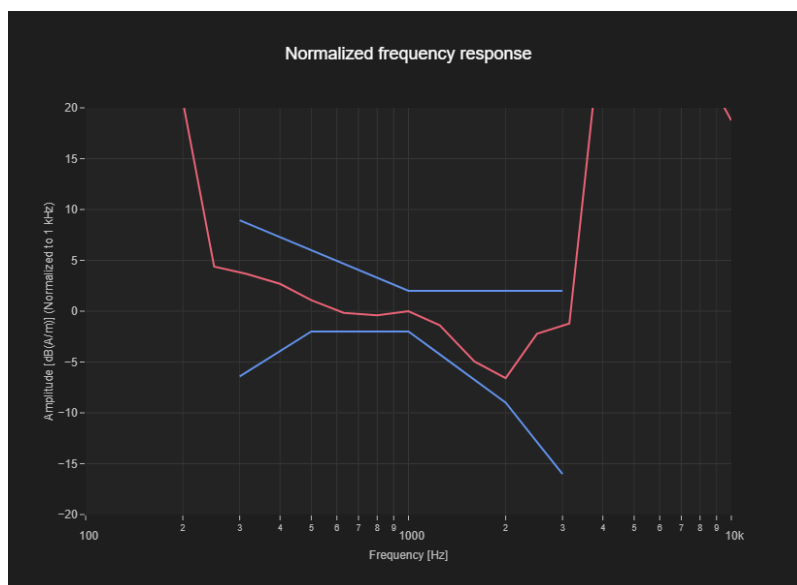
| Band Name | Communication Systems Name                     | Channel | Frequency [MHz] |
|-----------|------------------------------------------------|---------|-----------------|
| Band n25  | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 376500  | 1882.5          |

## 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          |

## Results

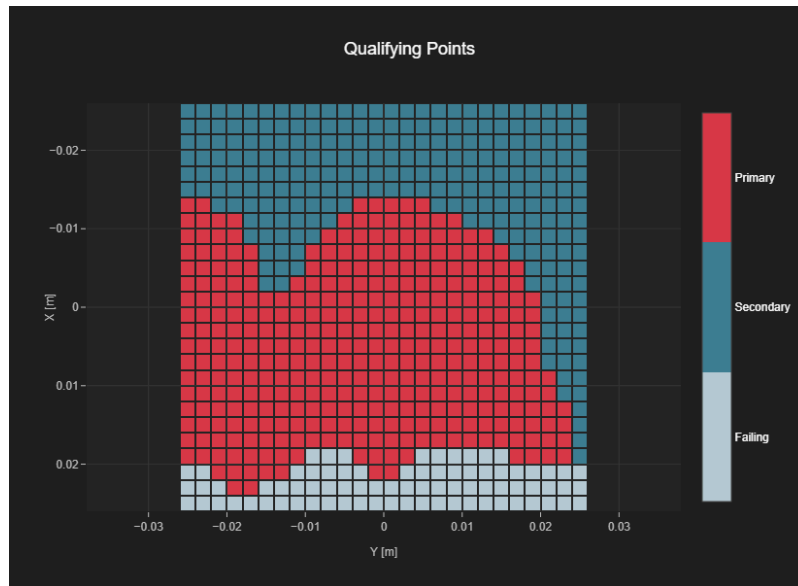
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.61                    |



# Plot No.08 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 354                                  | 598                         | 25                               | 26                             |





# Plot No.09 T-Coil Signal Test Report

Measurement performed on November 22, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

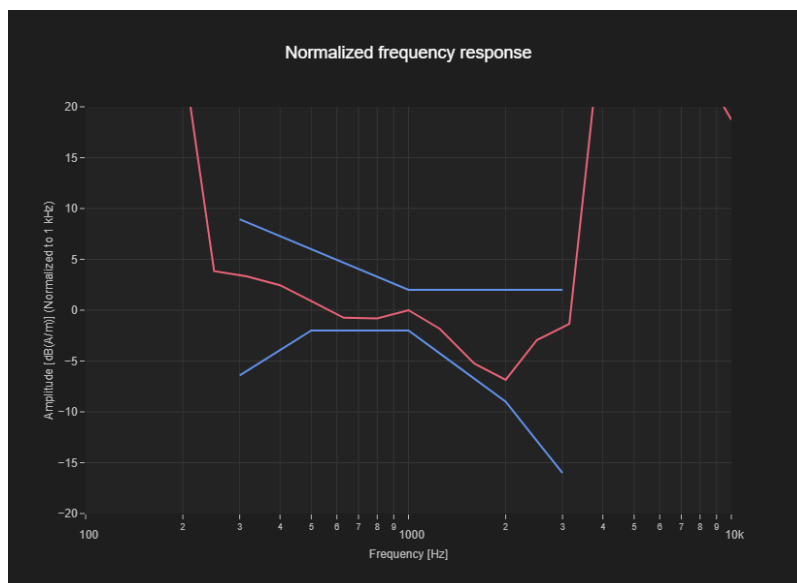
| Band Name | Communication Systems Name                      | Channel | Frequency [MHz] |
|-----------|-------------------------------------------------|---------|-----------------|
| Band n77  | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 633332  | 3499.98         |

## 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

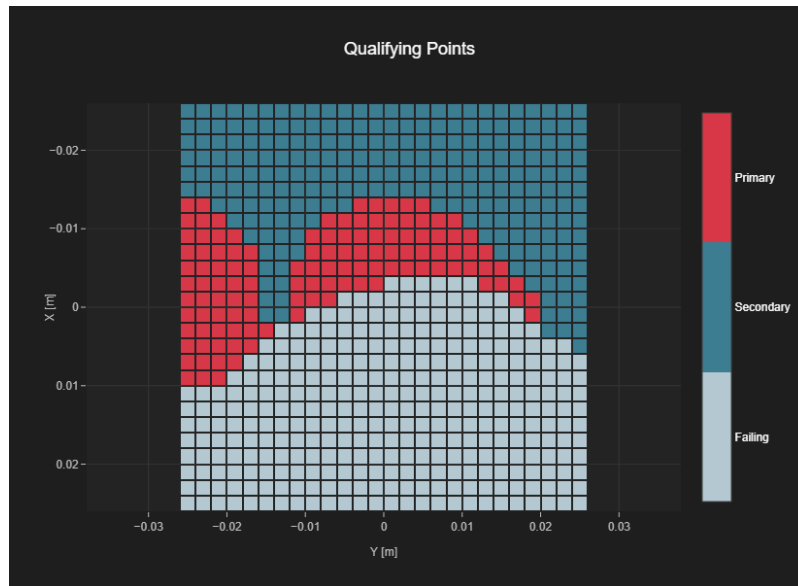
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     |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



# Plot No.09 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 119                                  | 355                         | 18                               | 26                             |



# Plot No.10 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

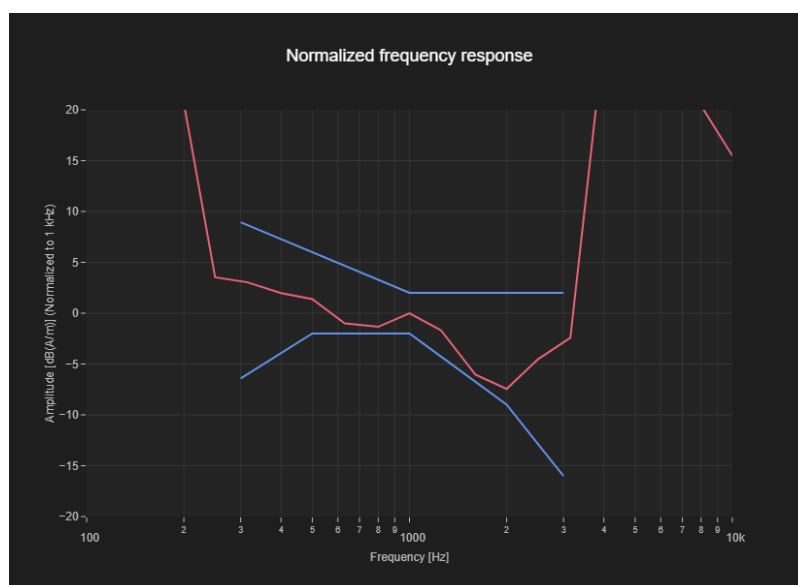
| Band Name   | Communication Systems Name               | Channel | Frequency [MHz] |
|-------------|------------------------------------------|---------|-----------------|
| WLAN 2.4GHz | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | 6       | 2437.0          |

## 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

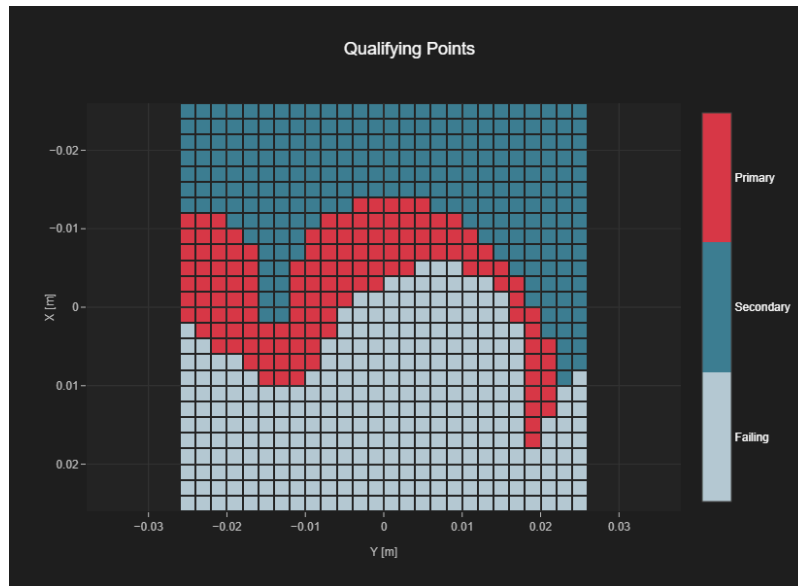
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 0.66                    |



# Plot No.10 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 135                                  | 378                         | 22                               | 26                             |



# Plot No.11 T-Coil Signal Test Report

Measurement performed on November 23, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

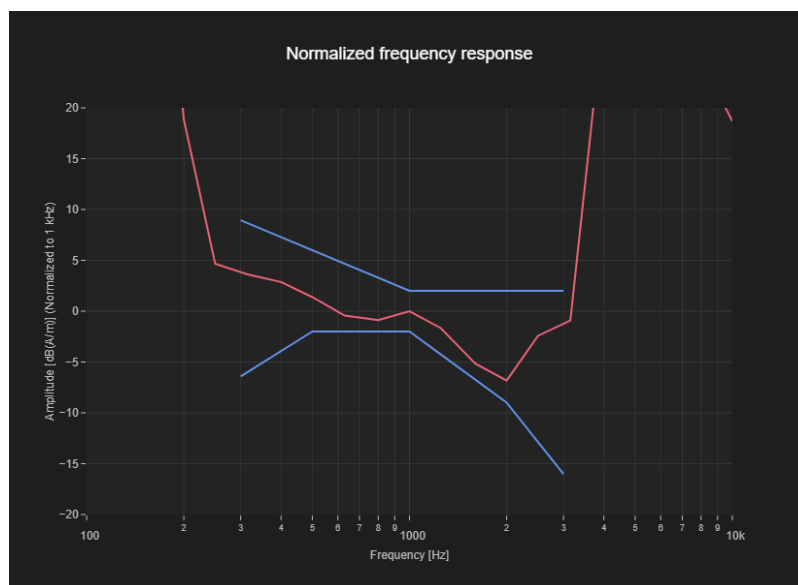
| Band Name | Communication Systems Name                | Channel | Frequency [MHz] |
|-----------|-------------------------------------------|---------|-----------------|
| WLAN 5GHz | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | 56      | 5280.0          |

## 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

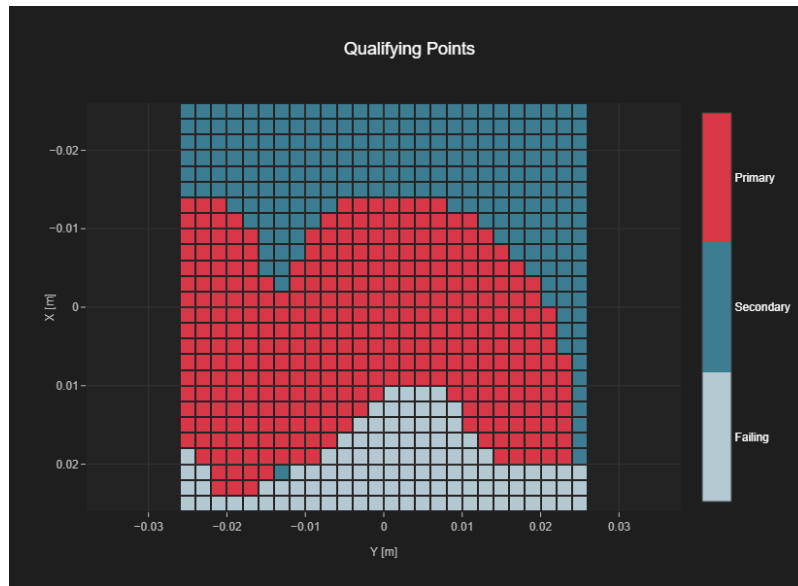
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.13                    |



# Plot No.11 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 340                                  | 568                         | 25                               | 26                             |



# Plot No.12 T-Coil Signal Test Report

Measurement performed on November 26, 2024

## Device Under Test

| Dimensions [mm]    | Speaker Position [mm] |
|--------------------|-----------------------|
| 162.0 x 74.0 x 7.5 | 161.0                 |

## Hardware Setup

| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
|---------------|------------------------|------------|----------------------|
| AM1DV3 - 3130 | August 15, 2024        | DAE3 Sn577 | June 18, 2024        |

## Communication Systems

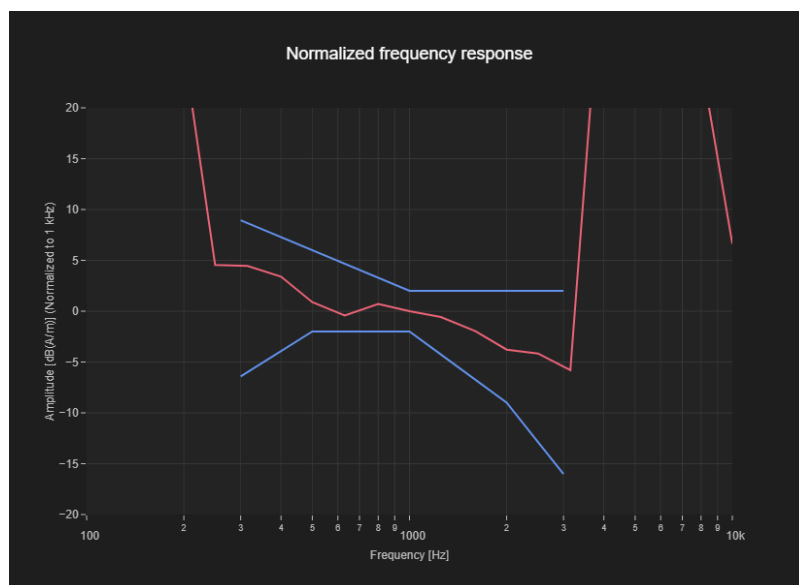
| Band Name | Communication Systems Name                   | Channel | Frequency [MHz] |
|-----------|----------------------------------------------|---------|-----------------|
| U-NII-5   | IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle) | 1       | 5955.0          |

## 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          |

## Results

| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
|---------------------------|--------------------------|-------------------------|-------------------------|
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.57                    |



# Plot No.12 T-Coil Coupling Mode Test Report

## Results

| Primary Group Contiguous Point Count | Secondary Group Point Count | Secondary Group Max Longitudinal | Secondary Group Max Transverse |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 267                                  | 550                         | 24                               | 26                             |

