

# Plot No.01 T-Coil Signal Test Report

Measurement performed on March 12, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

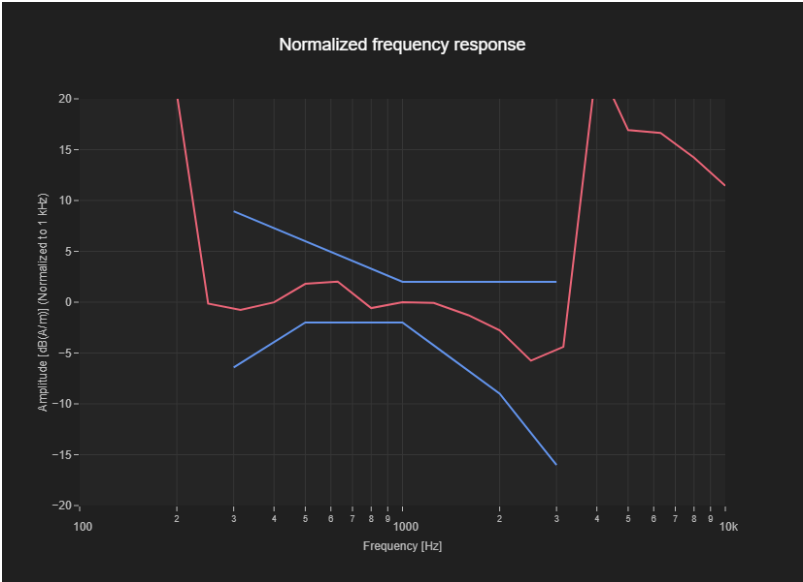
|           |                               |         |                 |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name    | Channel | Frequency [MHz] |
| GSM 850   | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 189     | 836.4           |

## 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

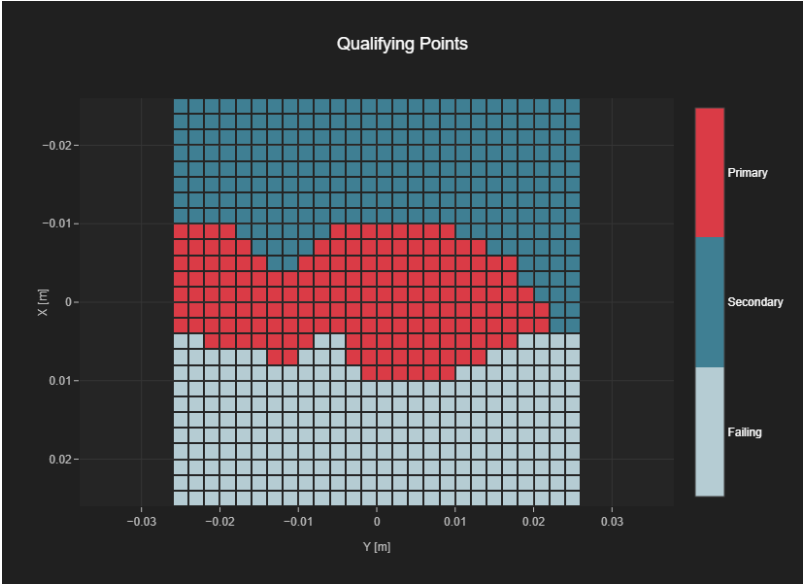
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] |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



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 176                                  | 425                         | 18                               | 26                             |



# Plot No.02 T-Coil Signal Test Report

Measurement performed on March 12, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

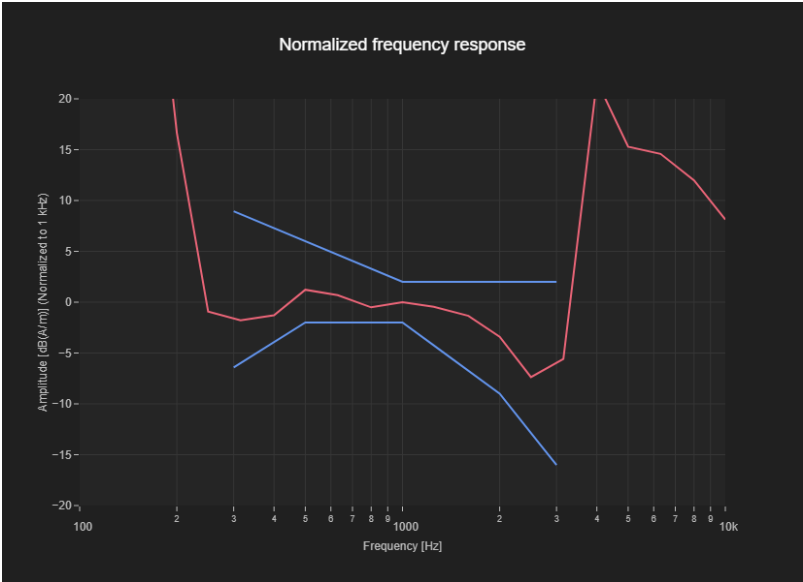
|           |                               |         |                 |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name    | Channel | Frequency [MHz] |
| PCS 1900  | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 661     | 1880.0          |

## 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

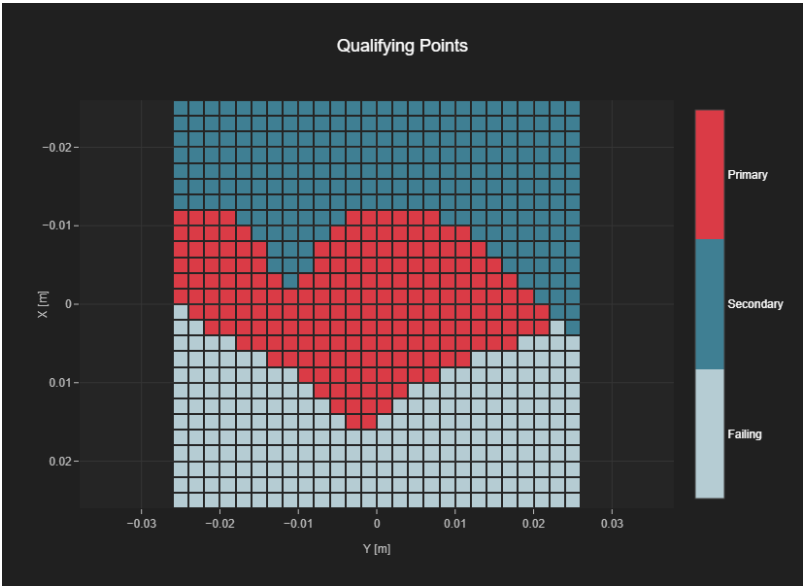
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.49                    |



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 200                                  | 438                         | 21                               | 26                             |



# Plot No.3 T-Coil Signal Test Report

Measurement performed on March 12, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

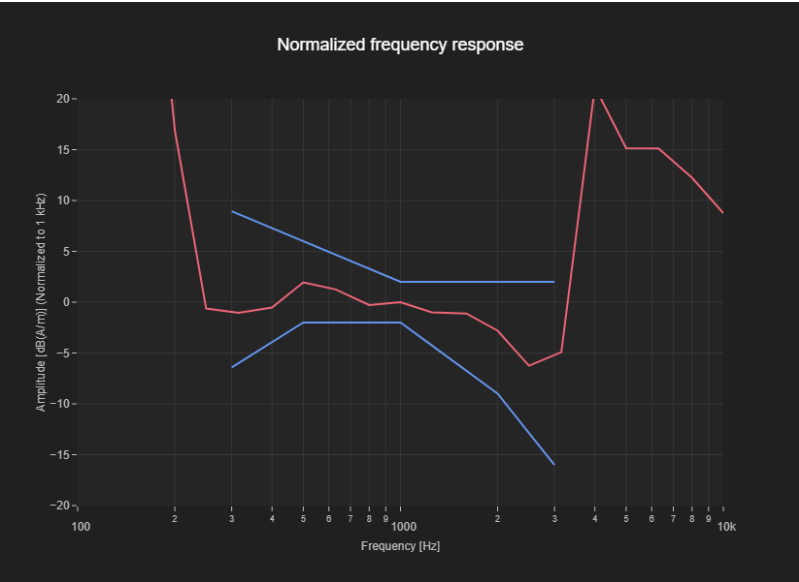
|                  |                            |         |                 |
|------------------|----------------------------|---------|-----------------|
| Band Name        | Communication Systems Name | Channel | Frequency [MHz] |
| Band 2, UTRA/FDD | UMTS-FDD (HSPA+)           | 9400    | 1880.0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

## 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

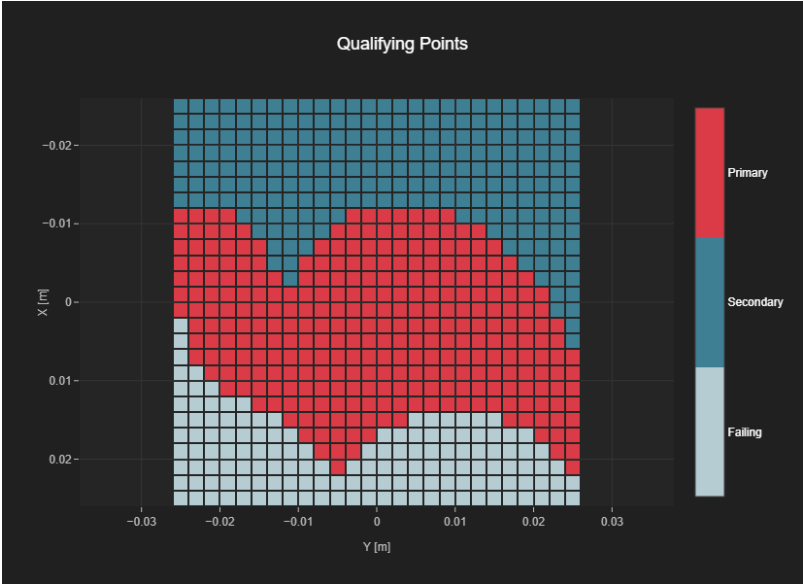
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.73                    |



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 303                                  | 535                         | 24                               | 26                             |



# Plot No.04 T-Coil Signal Test Report

Measurement performed on March 12, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

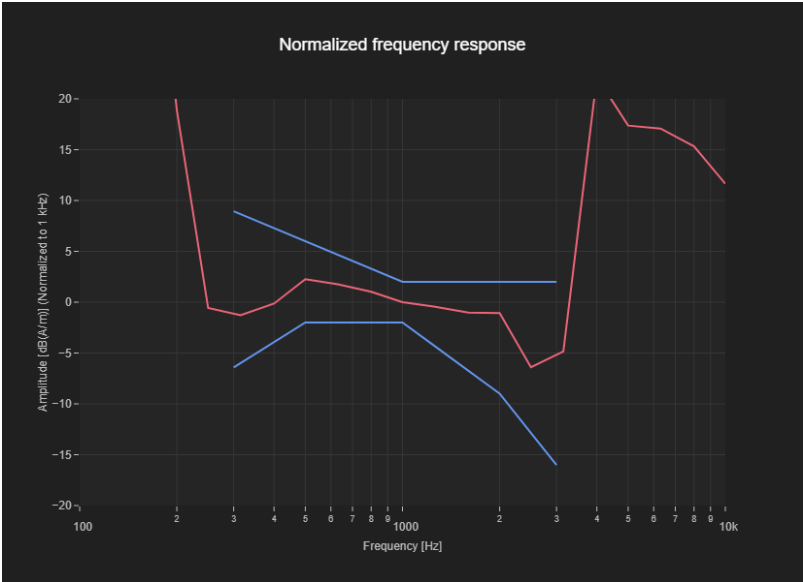
|                  |                            |         |                 |
|------------------|----------------------------|---------|-----------------|
| Band Name        | Communication Systems Name | Channel | Frequency [MHz] |
| Band 4, UTRA/FDD | UMTS-FDD (HSPA+)           | 1413    | 1732.6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

## 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

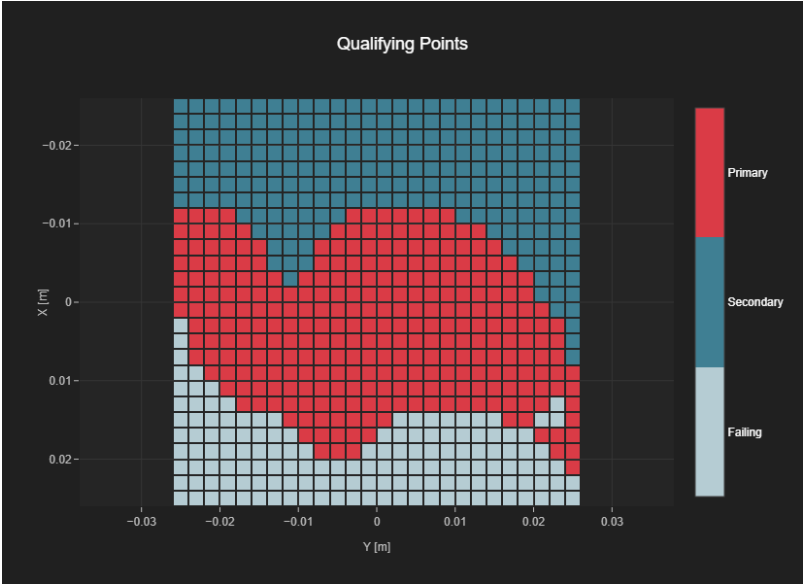
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] |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



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 296                                  | 531                         | 24                               | 26                             |



# Plot No.05 T-Coil Signal Test Report

Measurement performed on March 12, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

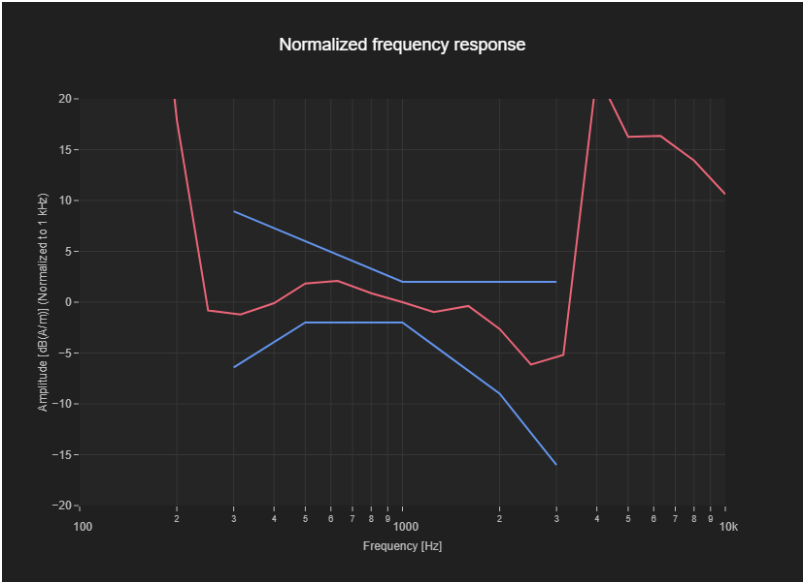
|                  |                            |         |                 |
|------------------|----------------------------|---------|-----------------|
| Band Name        | Communication Systems Name | Channel | Frequency [MHz] |
| Band 5, UTRA/FDD | UMTS-FDD (HSPA+)           | 4182    | 836.4 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

## 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

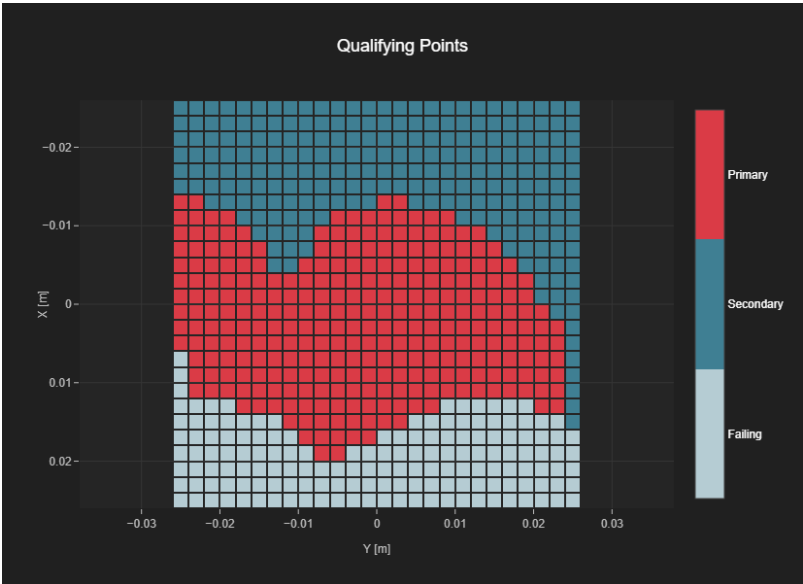
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] |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



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 292                                  | 523                         | 23                               | 26                             |



# Plot No.06 T-Coil Signal Test Report

Measurement performed on March 14, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

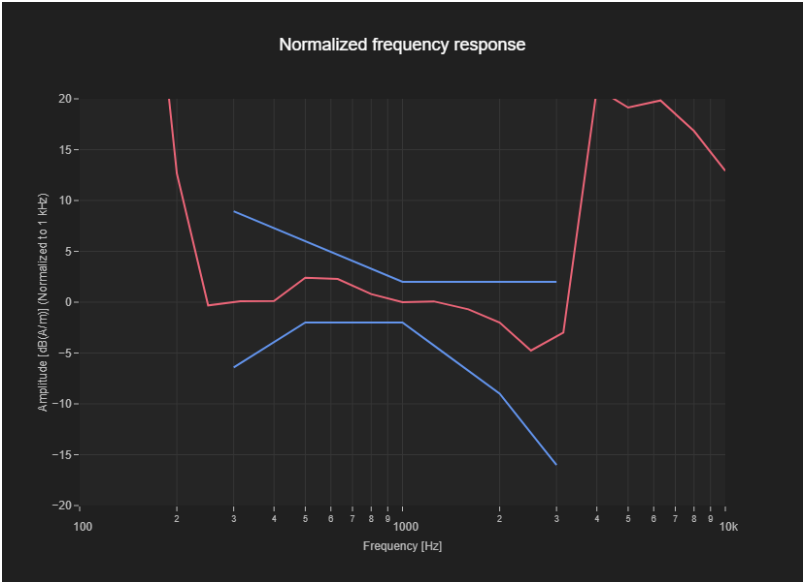
|                     |                                       |         |                 |
|---------------------|---------------------------------------|---------|-----------------|
| Band Name           | Communication Systems Name            | Channel | Frequency [MHz] |
| Band 71, E-UTRA/FDD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 133297  | 680.5           |

## 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

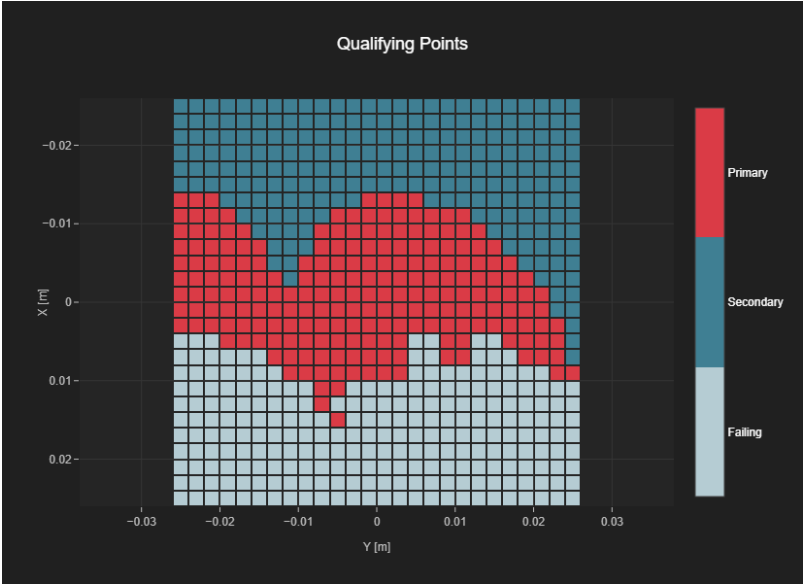
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] |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



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 215                                  | 437                         | 20                               | 26                             |



# Plot No.7 T-Coil Signal Test Report

Measurement performed on March 14, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

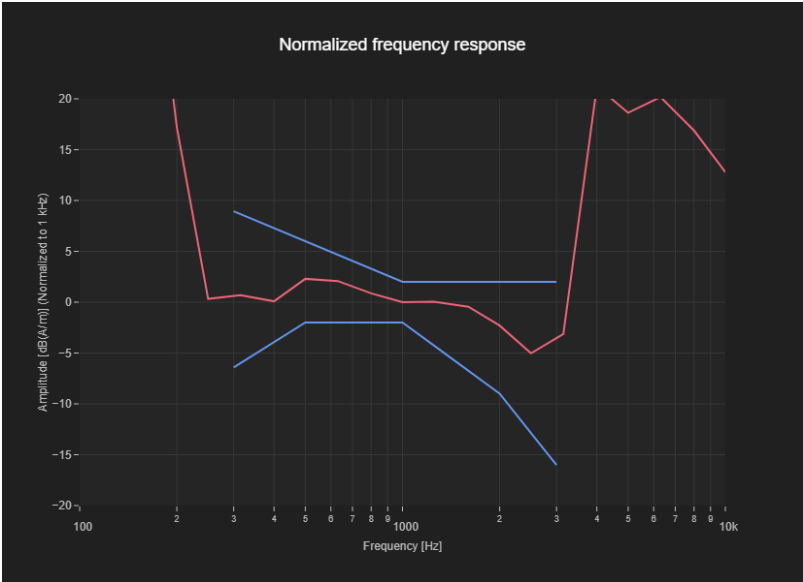
|                     |                                       |         |                 |
|---------------------|---------------------------------------|---------|-----------------|
| Band Name           | Communication Systems Name            | Channel | Frequency [MHz] |
| Band 48, E-UTRA/TDD | LTE-TDD (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

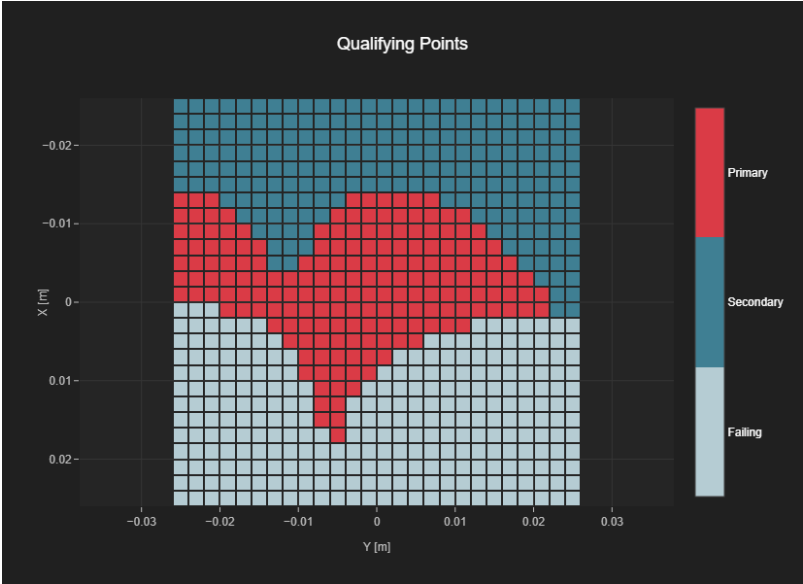
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0                      | 1.95                    | 2.0                     |



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 185                                  | 402                         | 22                               | 26                             |



# Plot No.08 T-Coil Signal Test Report

Measurement performed on March 14, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

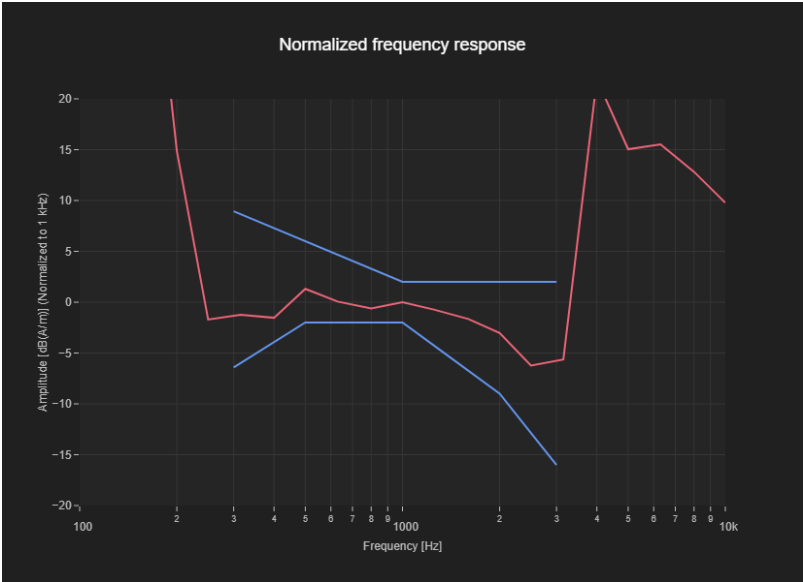
|           |                                                |         |                 |
|-----------|------------------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name                     | Channel | Frequency [MHz] |
| Band n66  | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 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          |

## Results

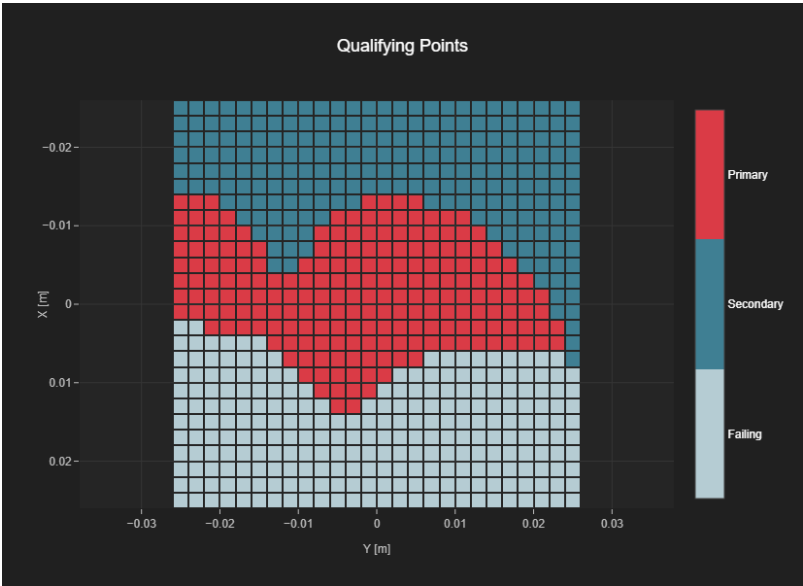
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0                      | 2.0                     | 1.37                    |



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 208                                  | 430                         | 20                               | 26                             |



# Plot No.09 T-Coil Signal Test Report

Measurement performed on March 14, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

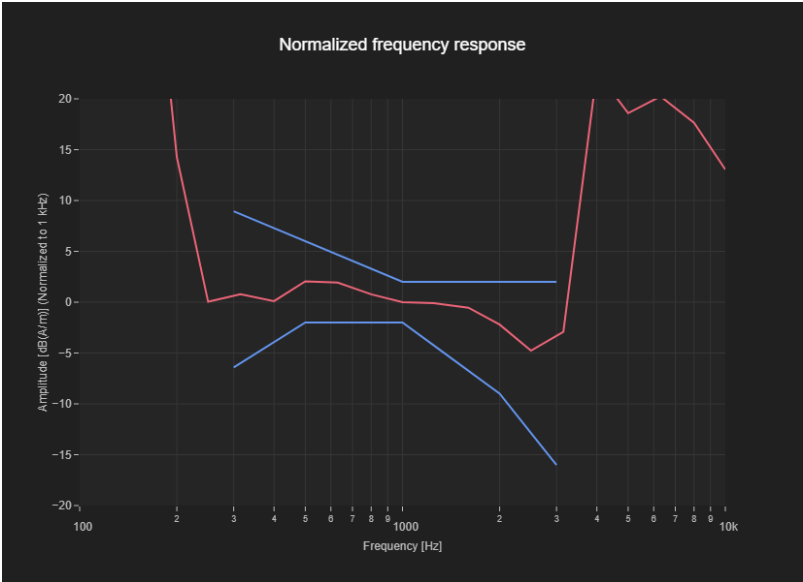
|           |                                              |         |                 |
|-----------|----------------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name                   | Channel | Frequency [MHz] |
| Band n41  | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 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          |

## Results

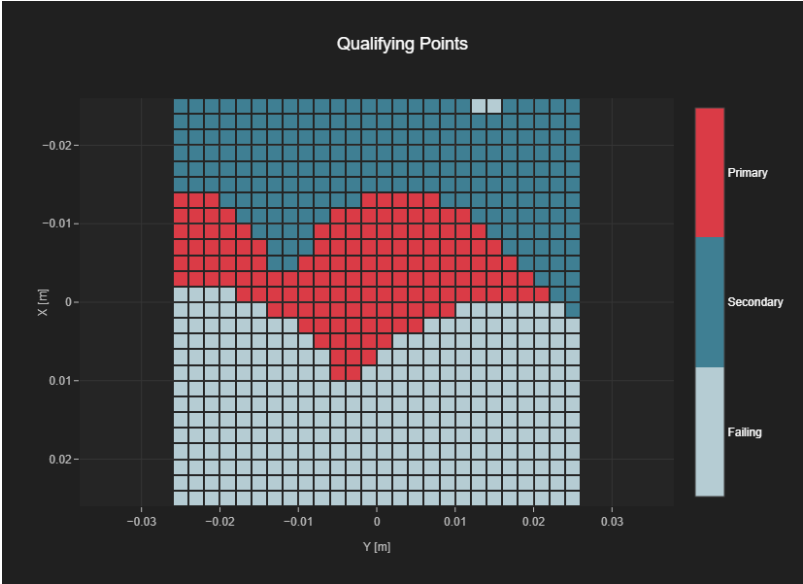
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] |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



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 148                                  | 363                         | 18                               | 26                             |



# Plot No.10 T-Coil Signal Test Report

Measurement performed on March 13, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

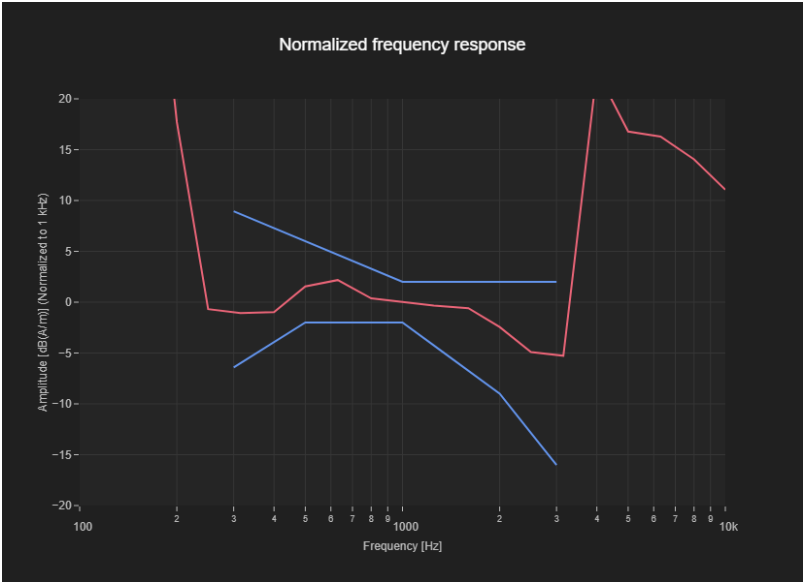
|             |                                          |         |                 |
|-------------|------------------------------------------|---------|-----------------|
| Band Name   | Communication Systems Name               | Channel | Frequency [MHz] |
| WLAN 2.4GHz | IEEE 802.11b WiFi 2.4 GHz (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

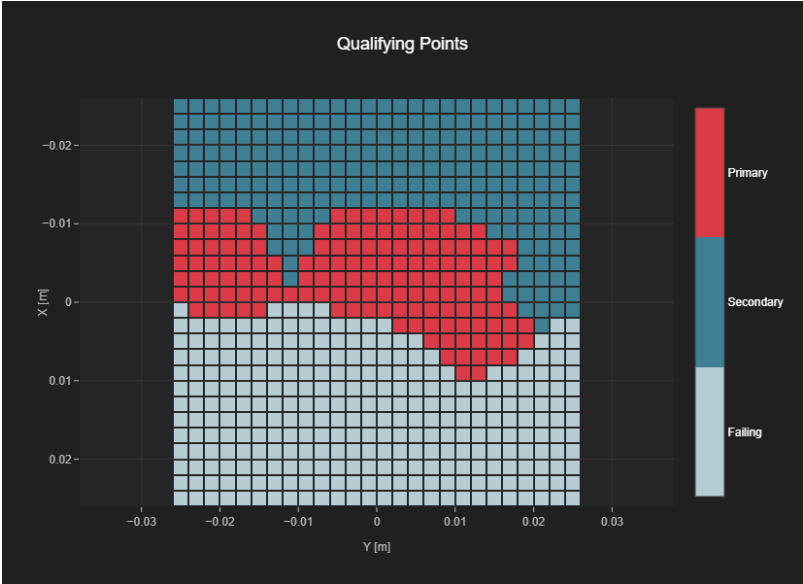
|                           |                          |                         |                         |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File                | Measurement Duration [s] | Margin Upper Bound [dB] |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



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 151                                  | 383                         | 18                               | 26                             |



# Plot No.11 T-Coil Signal Test Report

Measurement performed on March 18, 2024

## Device Under Test

|                    |                       |
|--------------------|-----------------------|
| Dimensions [mm]    | Speaker Position [mm] |
| 172.0 x 72.0 x 7.5 | 171.0                 |

## Hardware Setup

|               |                        |            |                      |
|---------------|------------------------|------------|----------------------|
| Probe Name    | Probe Calibration Date | DAE Name   | DAE Calibration Date |
| AM1DV3 - 3130 | August 21, 2023        | DAE3 Sn577 | September 14, 2023   |

## Communication Systems

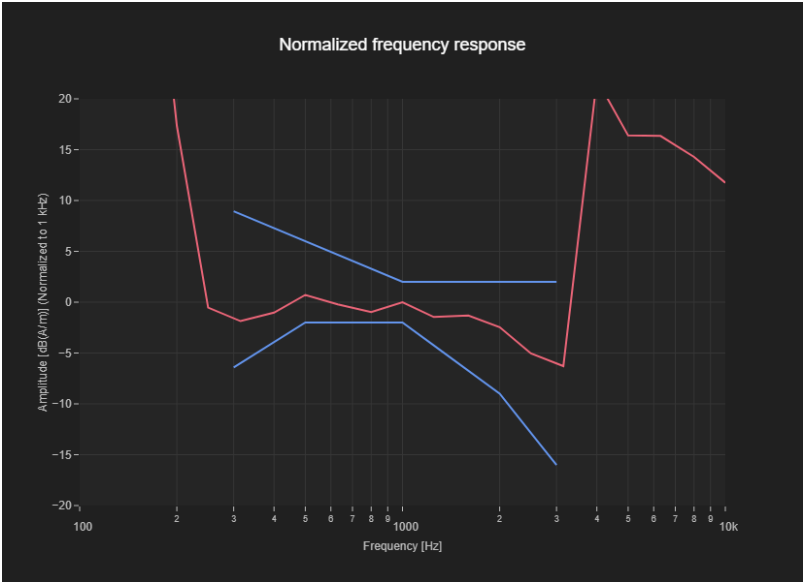
|           |                                                   |         |                 |
|-----------|---------------------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name                        | Channel | Frequency [MHz] |
| WLAN 5GHz | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle) | 42      | 5210.0          |

## 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                     | 1.03                    |



# 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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 235                                  | 461                         | 20                               | 26                             |

