

Plot No.01 T-Coil Signal Test Report

Measurement performed on March 20, 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

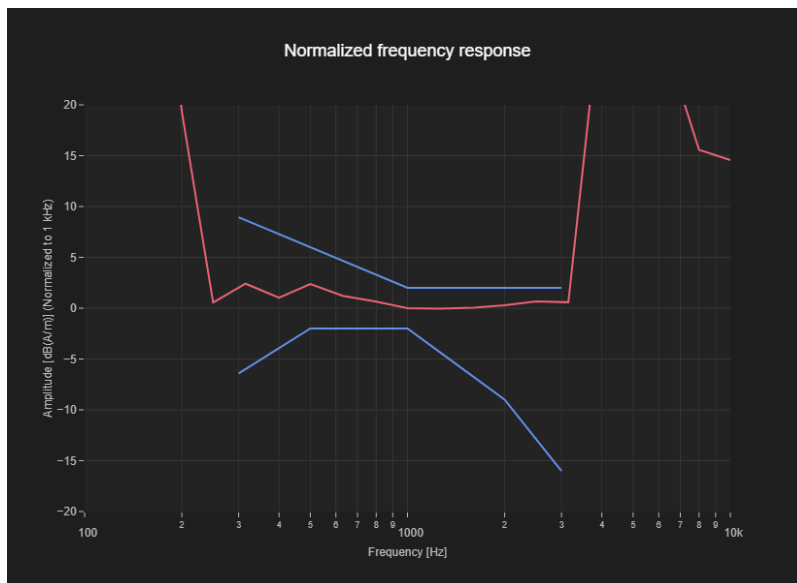
| | | | |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| GSM 850 | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 189 | 836.4 |

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

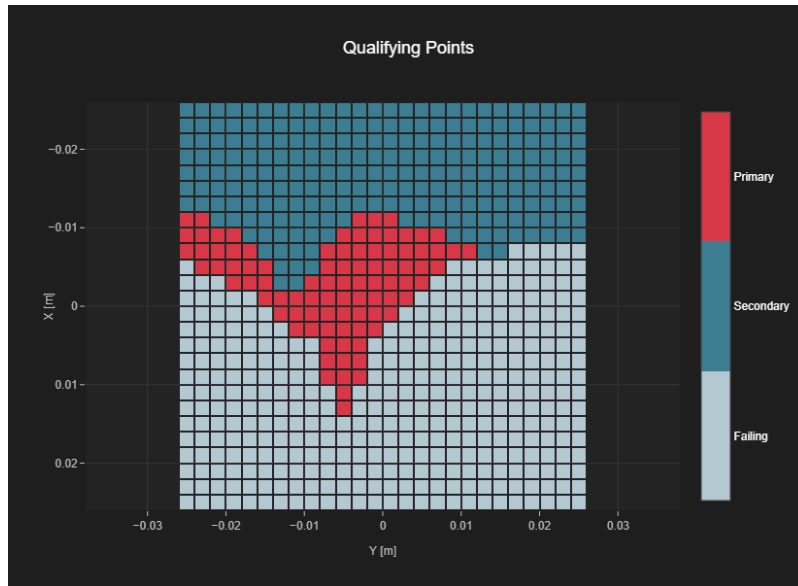
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.35 | 2.0 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 90 | 319 | 20 | 26 |



Plot No.02 T-Coil Signal Test Report

Measurement performed on March 20, 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

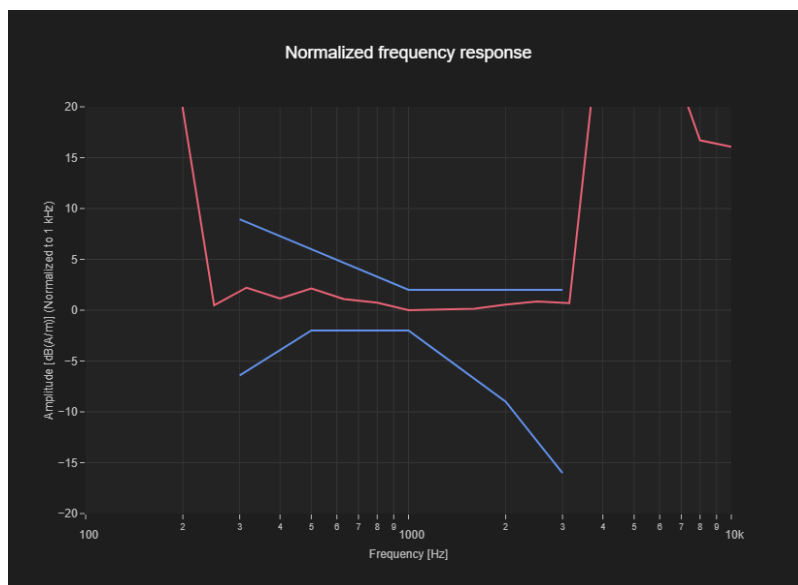
| | | | |
|-----------|-------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| PCS 1900 | EDGE-FDD (TDMA, 8PSK, TN 0-1) | 661 | 1880.0 |

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

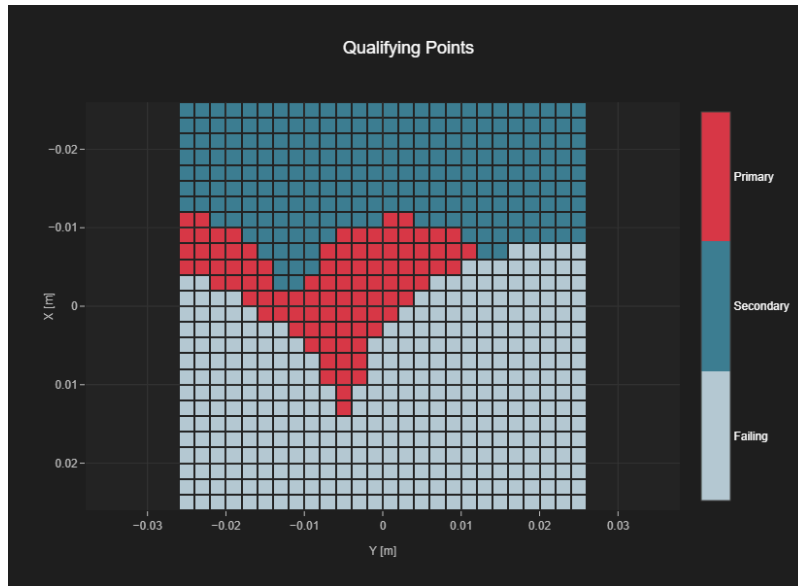
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.14 | 2.0 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 96 | 325 | 20 | 26 |



Plot No.03 T-Coil Signal Test Report

Measurement performed on March 20, 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

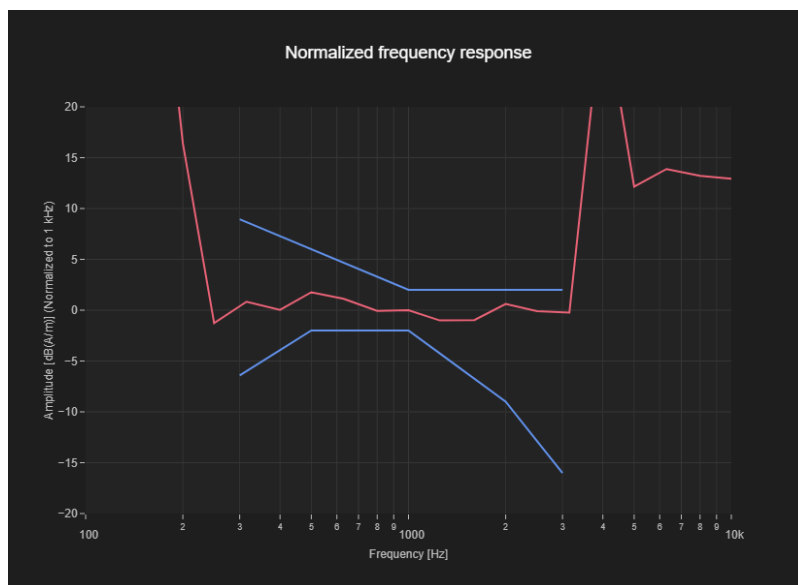
| | | | |
|-----------|----------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 2 | UMTS-FDD (HSPA+) | 9400 | 1880.0 |

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

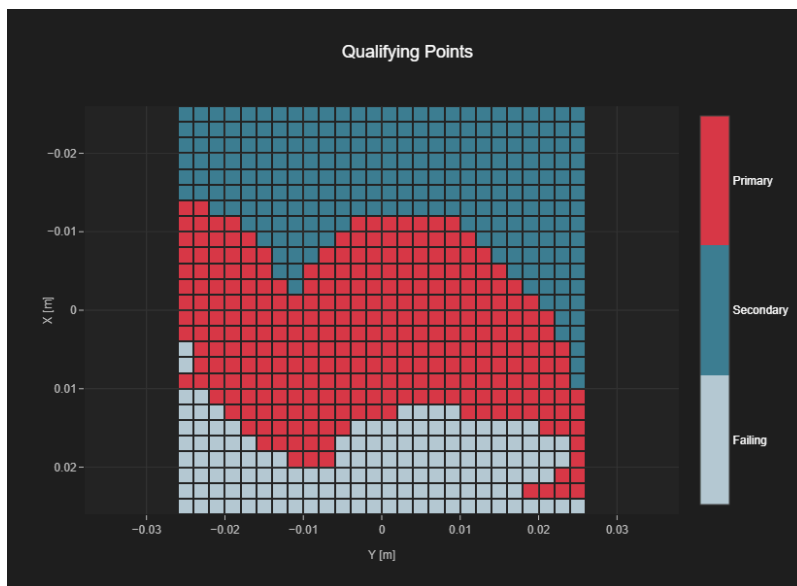
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.38 | 1.93 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 297 | 535 | 25 | 26 |



Plot No.04 T-Coil Signal Test Report

Measurement performed on March 20, 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

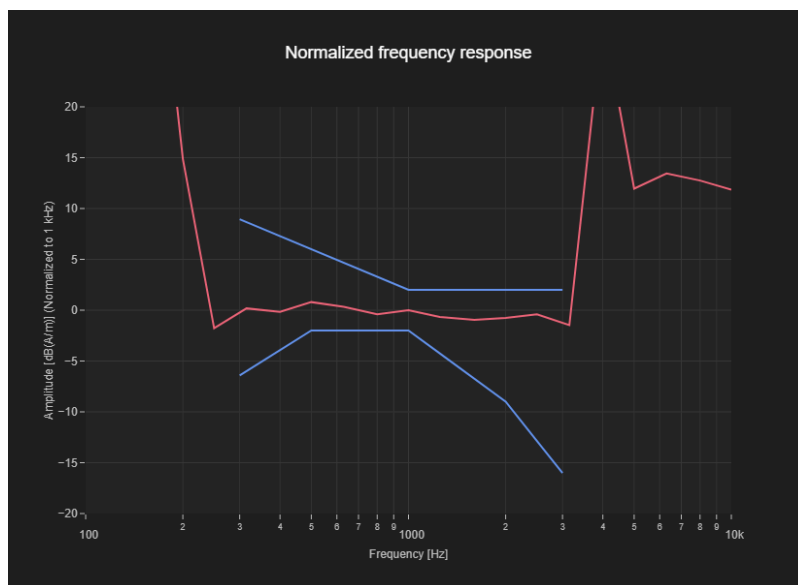
| | | | |
|-----------|----------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 4 | UMTS-FDD (HSPA+) | 1413 | 1732.6 |

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

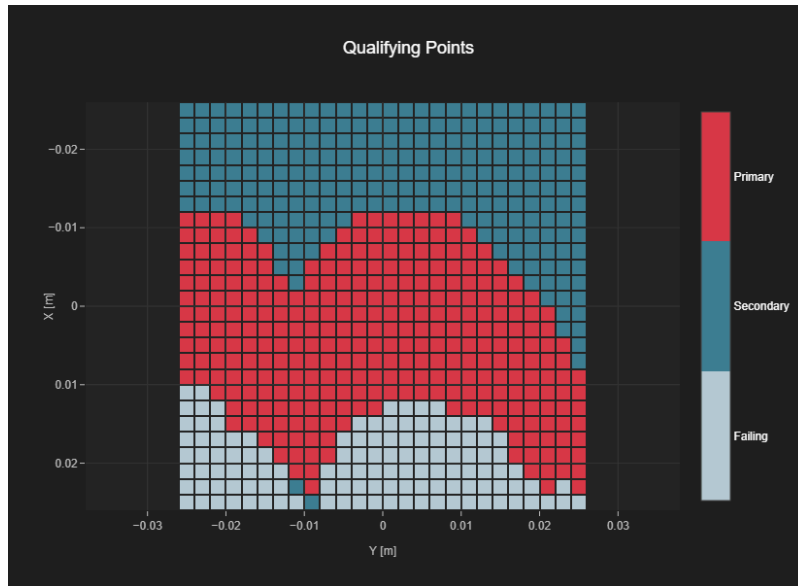
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 2.0 | 1.6 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 314 | 555 | 26 | 26 |



Plot No.05 T-Coil Signal Test Report

Measurement performed on March 20, 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

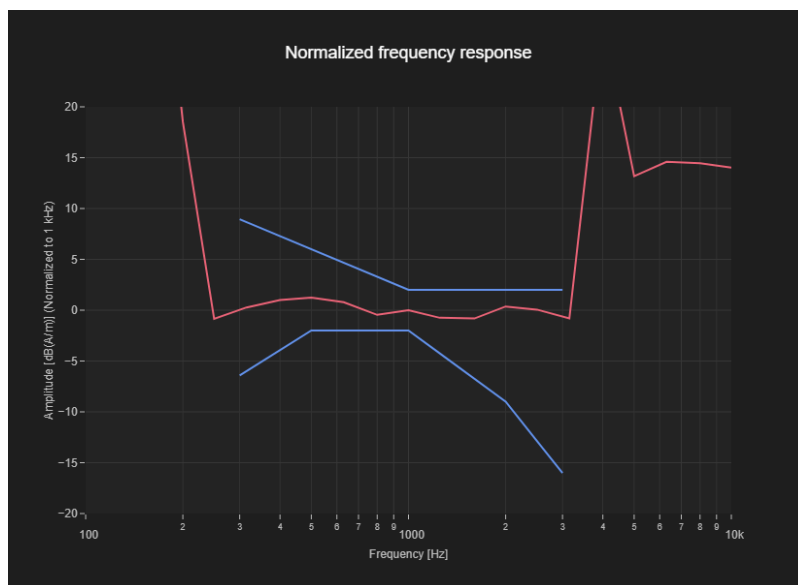
| | | | |
|-----------|----------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 5 | UMTS-FDD (HSPA+) | 4182 | 836.4 |

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

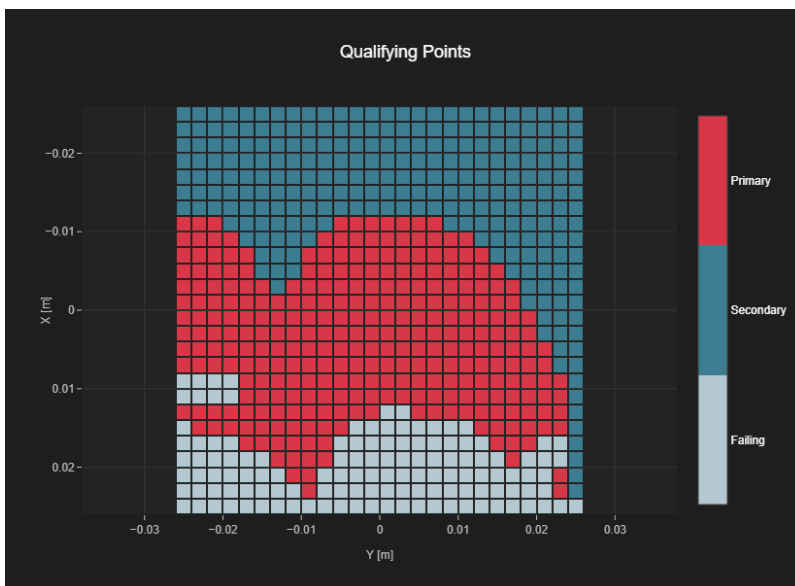
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.63 | 1.54 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 296 | 550 | 25 | 26 |



Plot No.06 T-Coil Signal Test Report

Measurement performed on March 20, 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

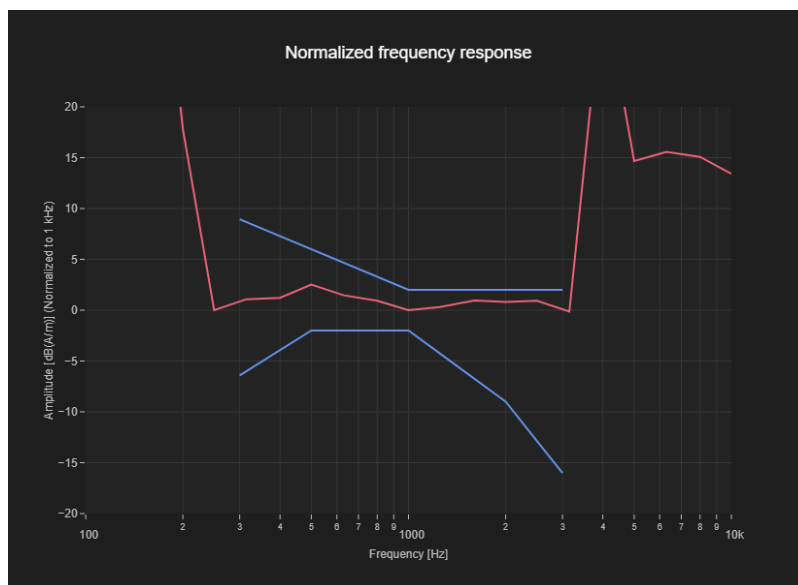
| | | | |
|-----------|---------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 25 | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 26340 | 1880.0 |

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

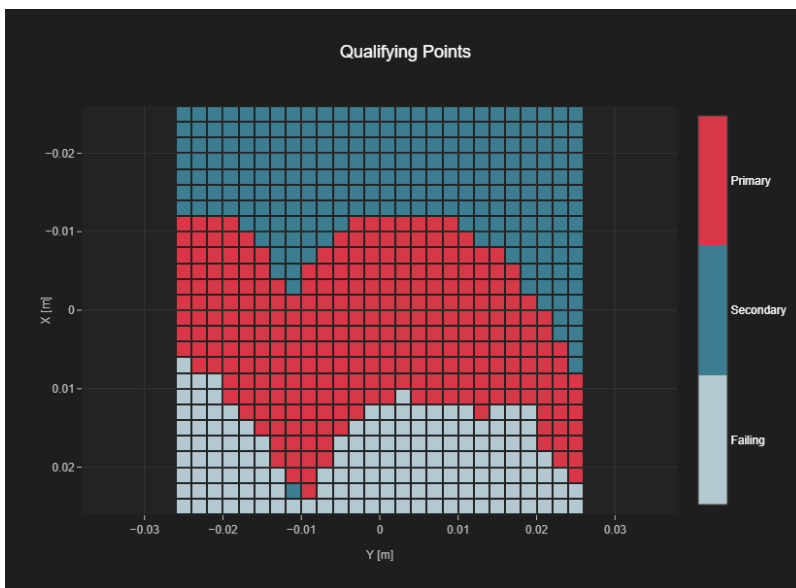
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.04 | 2.0 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 287 | 525 | 25 | 26 |



Plot No.07 T-Coil Signal Test Report

Measurement performed on March 20, 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

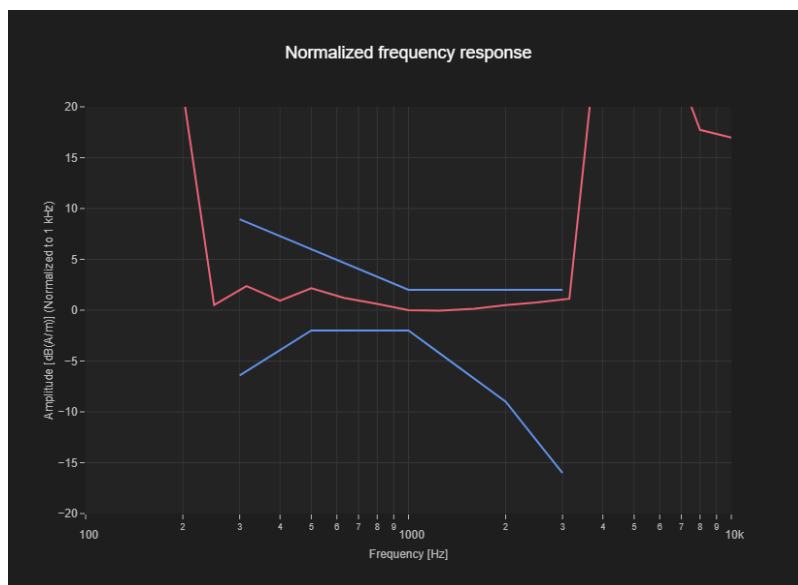
| | | | |
|-----------|---------------------------------------|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band 41 | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | 40620 | 2593.0 |

Grid Settings

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

Results

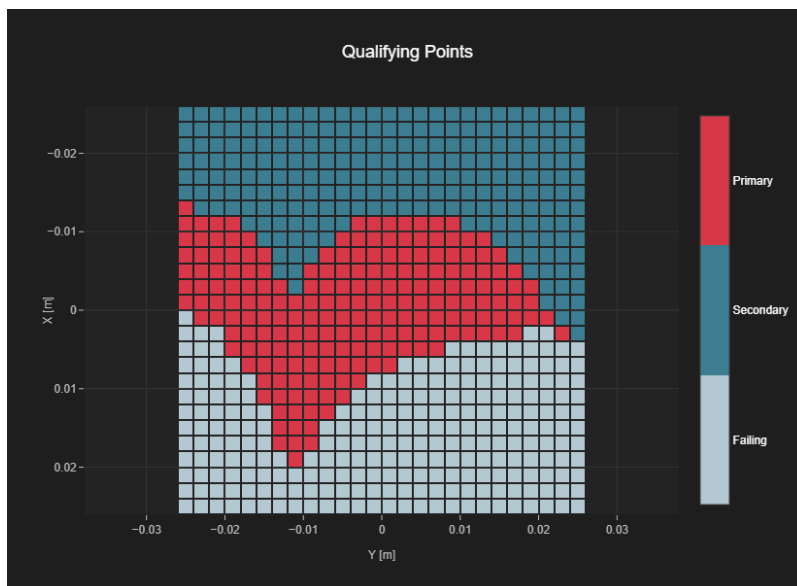
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 0.96 | 2.0 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 201 | 432 | 23 | 26 |



Plot No.08 T-Coil Signal Test Report

Measurement performed on March 28, 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

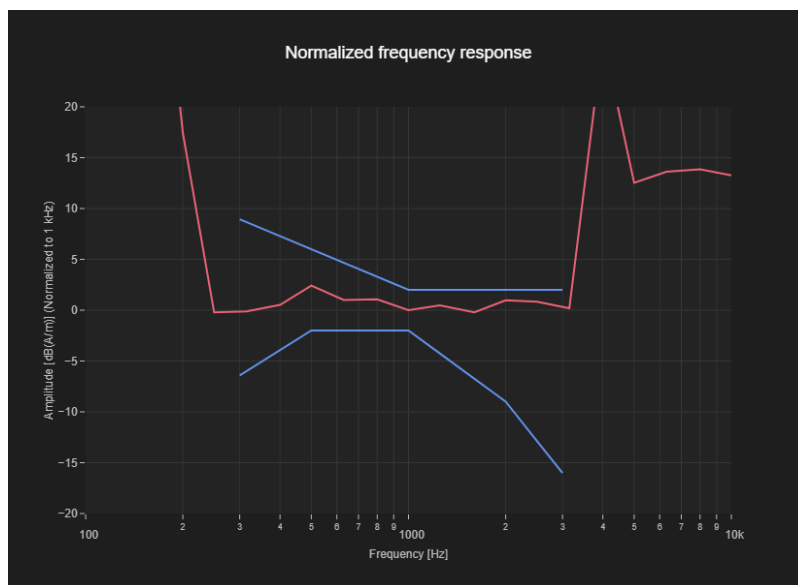
| | | | |
|-----------|--|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band n25 | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 376500 | 1882.5 |

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

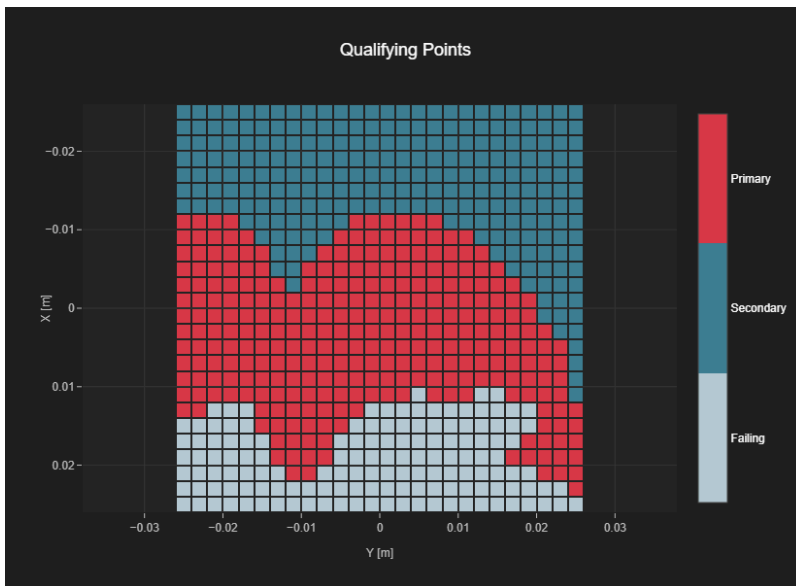
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.03 | 2.0 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 292 | 535 | 25 | 26 |



Plot No.09 T-Coil Signal Test Report

Measurement performed on March 28, 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

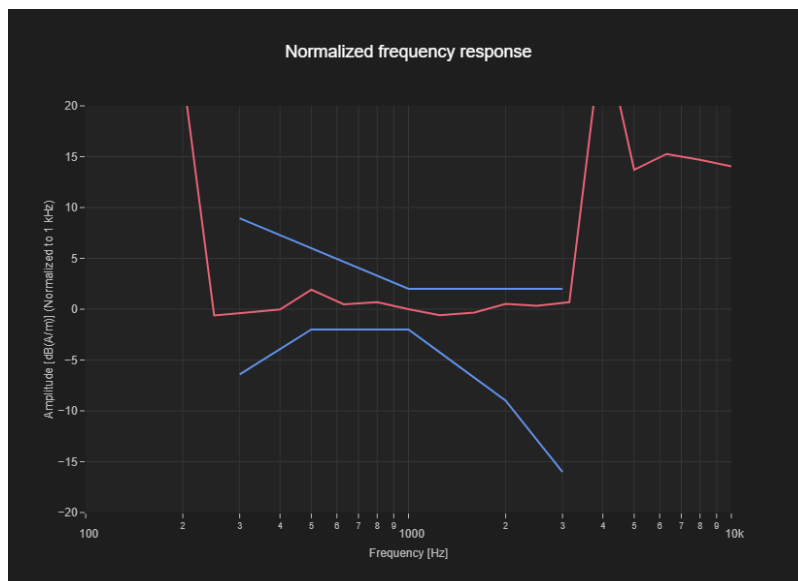
| | | | |
|-----------|---|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| Band n41 | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 518598 | 2592.99 |

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

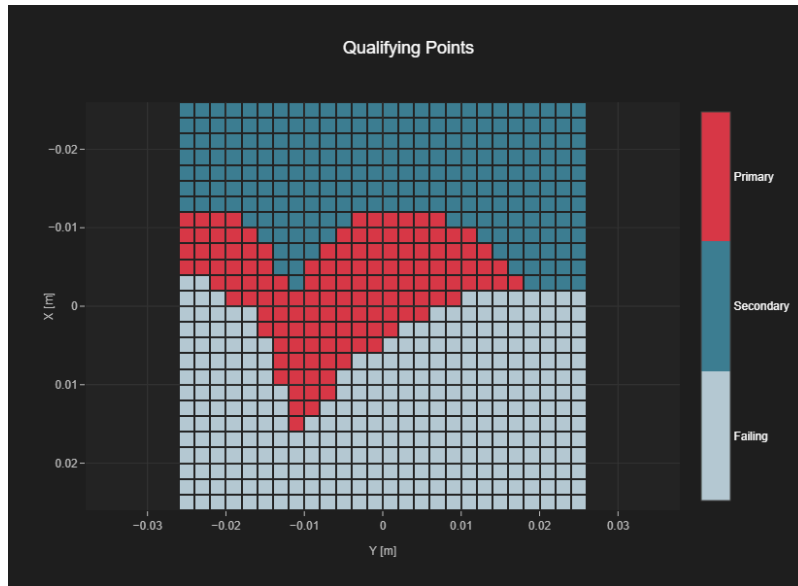
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.4 | 2.0 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 136 | 367 | 21 | 26 |



Plot No.10 T-Coil Signal Test Report

Measurement performed on March 22, 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

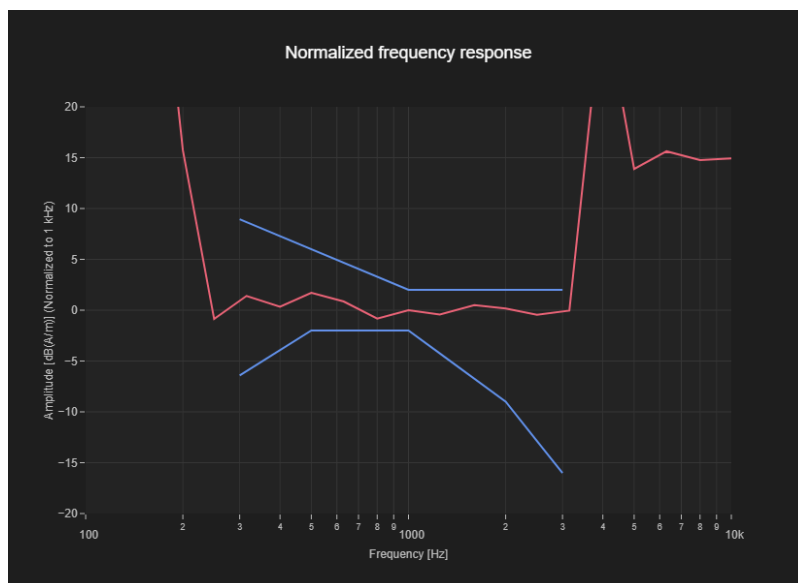
| | | | |
|-------------|--|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| WLAN 2.4GHz | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | 6 | 2437.0 |

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

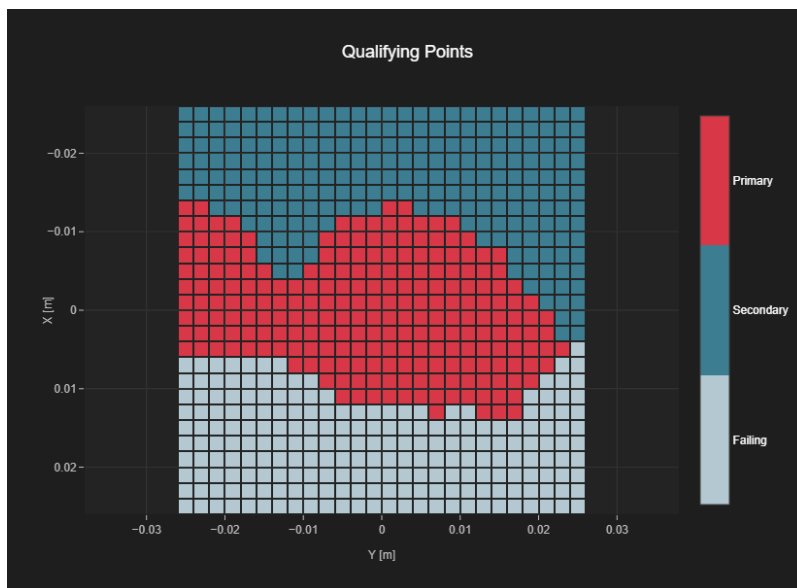
| | | | |
|---------------------------|--------------------------|-------------------------|-------------------------|
| Audio File | Measurement Duration [s] | Margin Upper Bound [dB] | Margin Lower Bound [dB] |
| 48k_voice_300-3000_2s.wav | 2.0 | 1.51 | 1.18 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 232 | 462 | 20 | 26 |



Plot No.11 T-Coil Signal Test Report

Measurement performed on March 26, 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

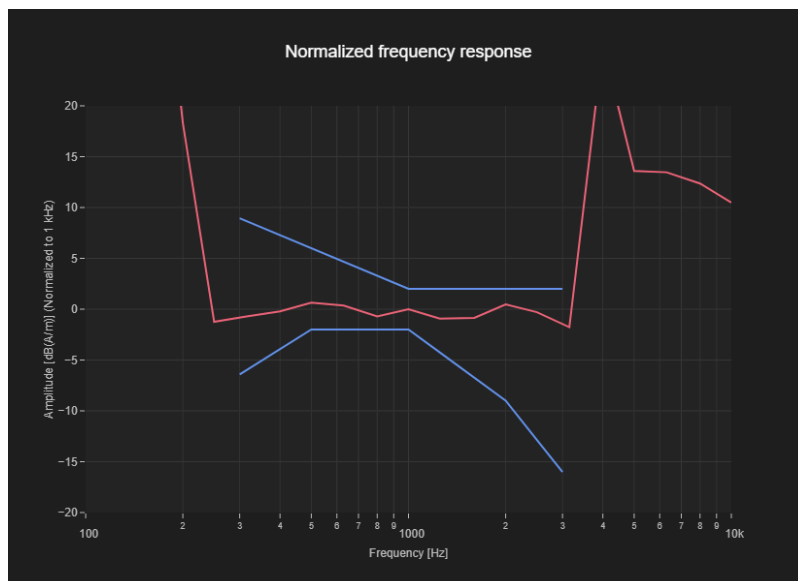
| | | | |
|-----------|---|---------|-----------------|
| Band Name | Communication Systems Name | Channel | Frequency [MHz] |
| WLAN 5GHz | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | 38 | 5190.0 |

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 | 1.53 | 1.28 |



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 |
|--------------------------------------|-----------------------------|----------------------------------|--------------------------------|
| 271 | 511 | 24 | 26 |

