

01_WCDMA II_AMR Voice_AMR NB 4.75Kbps_Ch9400

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

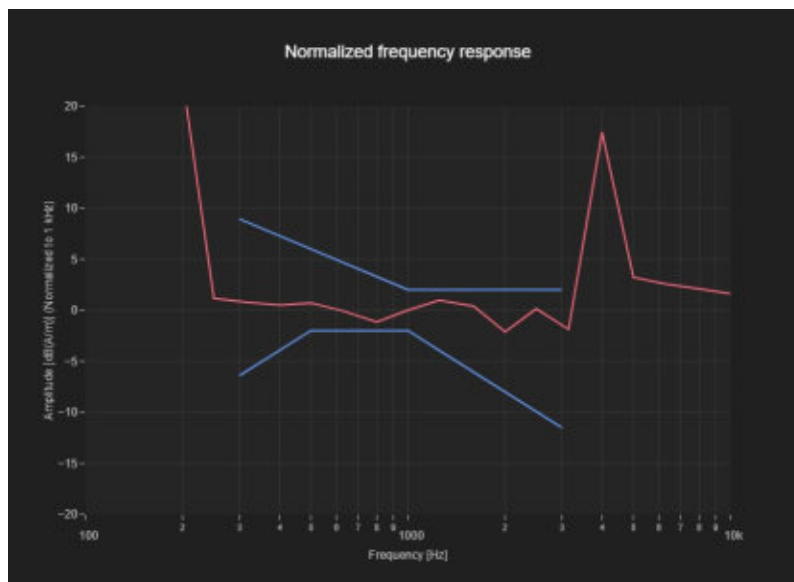
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 2	UMTS-FDD (WCDMA, AMR)	9400	1880.0

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

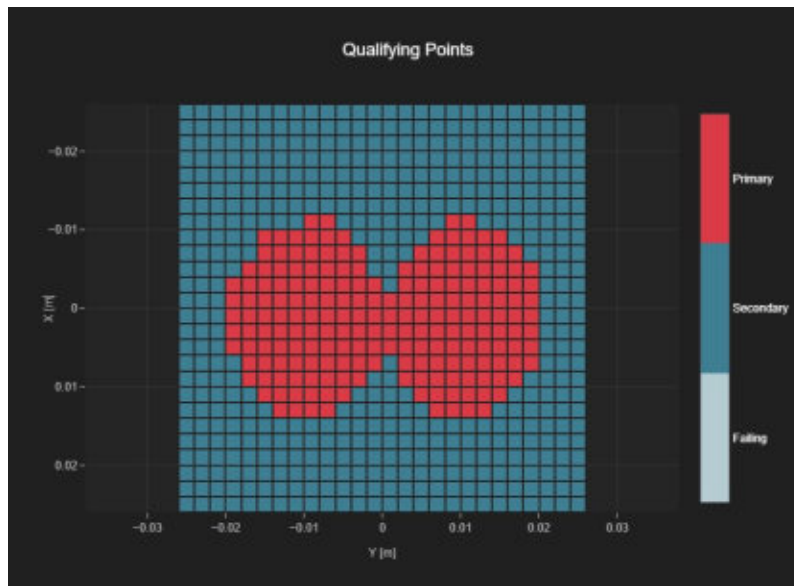
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.02	0.84



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
199	676	26	26



02_WCDMA IV_AMR Voice_AMR NB 4.75Kbps_Ch1413

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

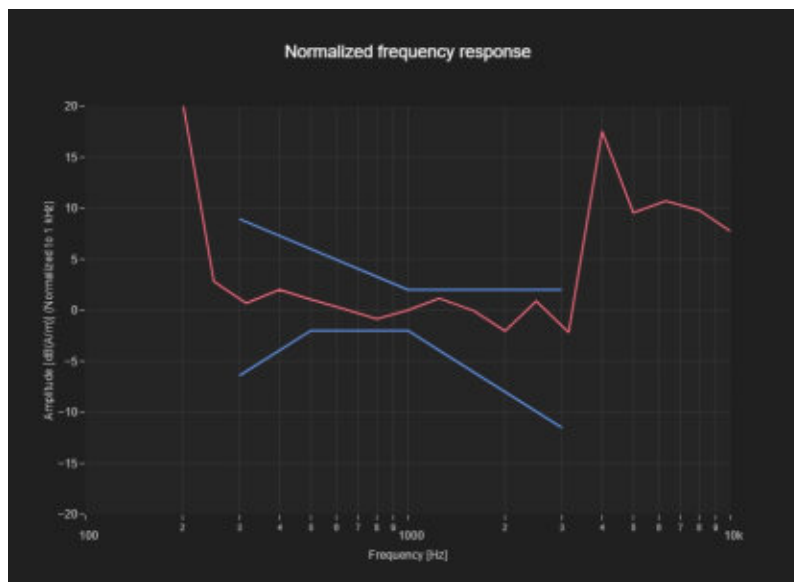
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 4	UMTS-FDD (WCDMA, AMR)	1413	1732.6

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

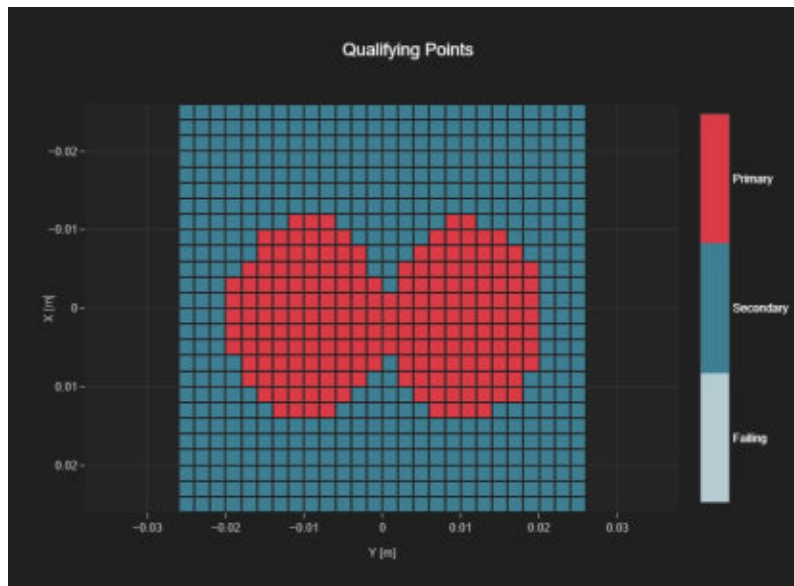
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	0.84	1.15



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	676	26	26



03_WCDMA V_AMR Voice_AMR NB 4.75Kbps_Ch4182

Measurement performed on December 18, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

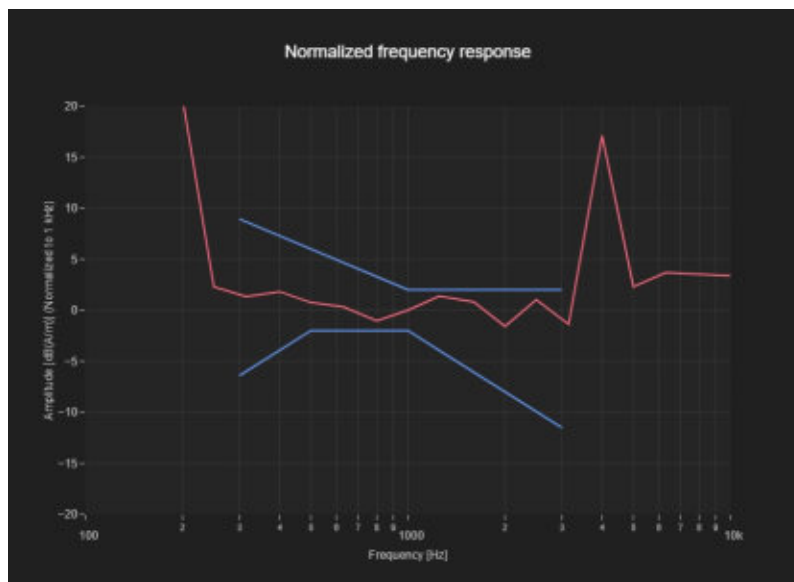
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 5	UMTS-FDD (WCDMA, AMR)	4182	836.4

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

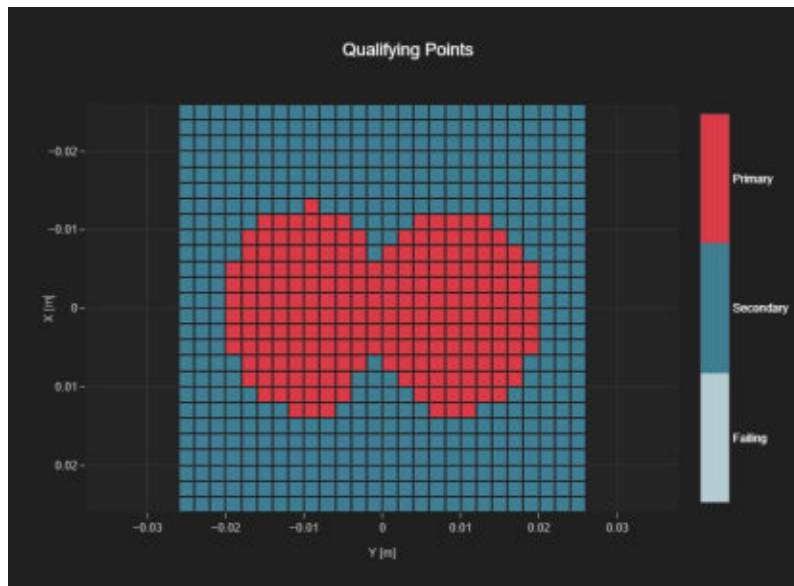
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	0.62	0.96



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
214	676	26	26



04_LTE Band 2_20M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch18900

Measurement performed on December 09, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

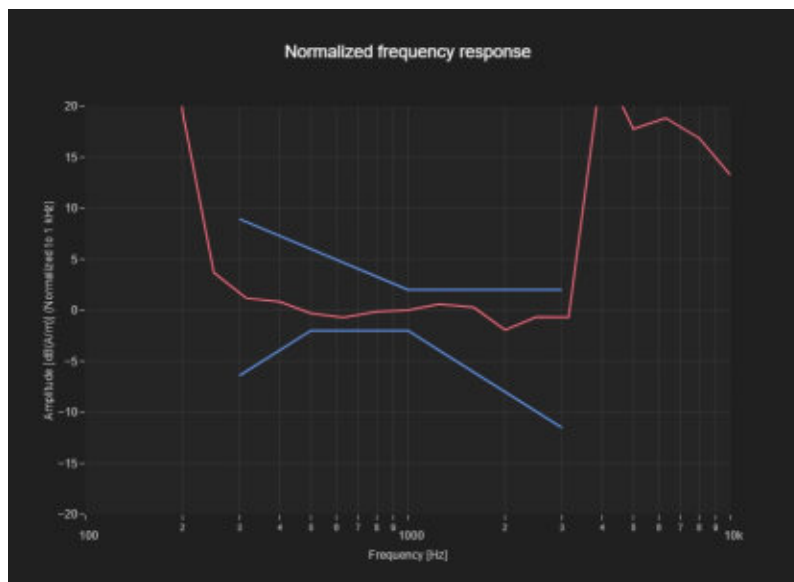
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 2	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	18900	1880.0

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

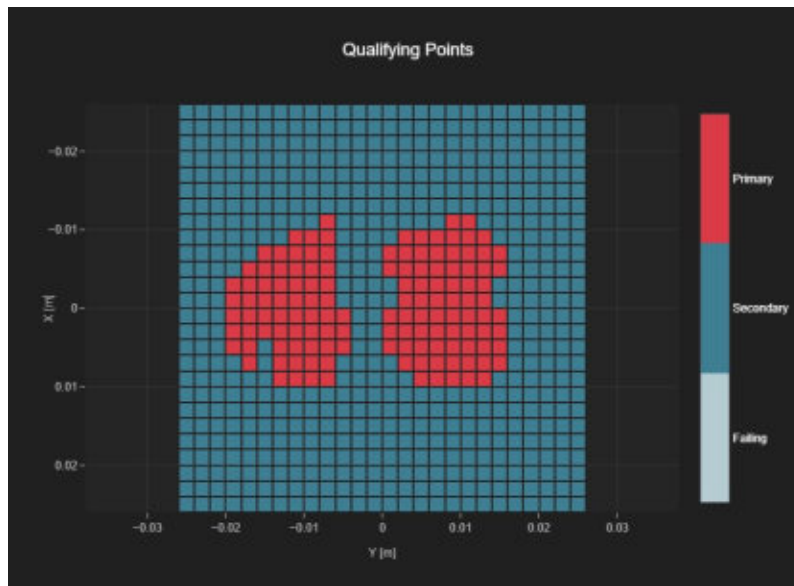
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.41	1.3



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
133	676	26	26



05_LTE Band 4_20M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch20175

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

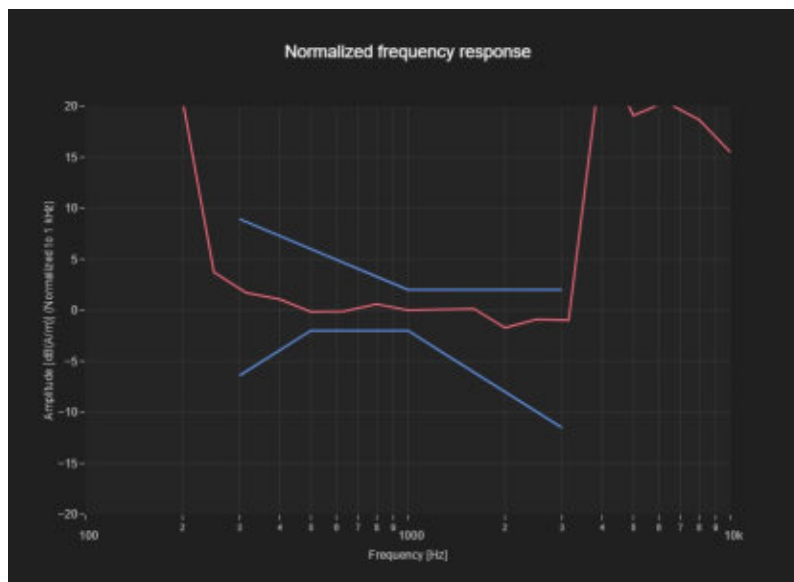
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 4	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	20175	1732.5

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

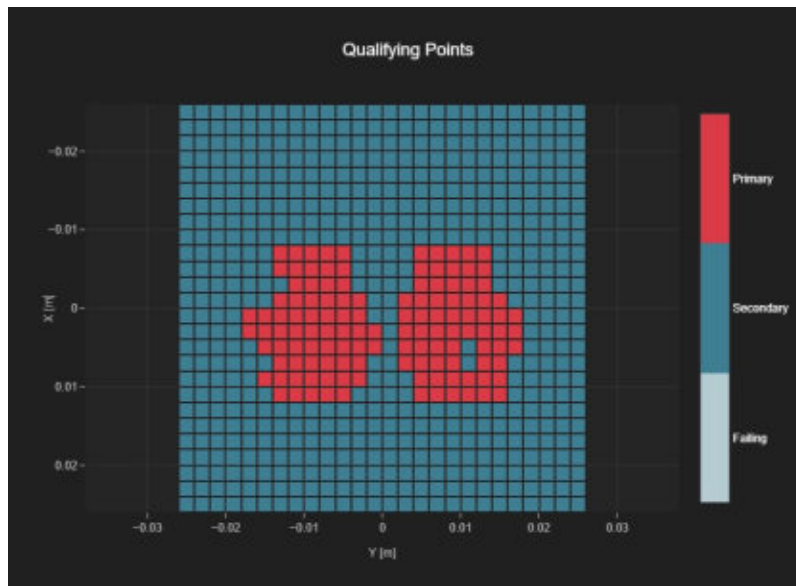
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.85	1.84



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
126	676	26	26



06_LTE Band 5_10M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch20525

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

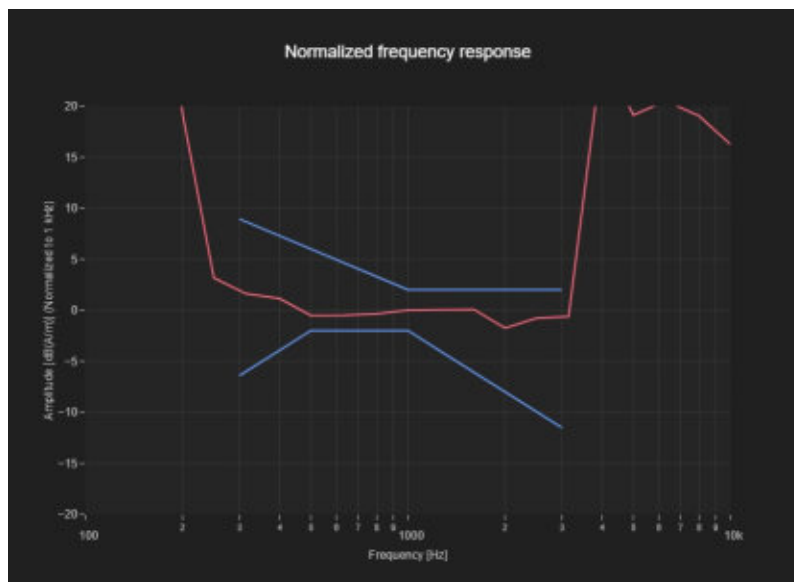
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 5	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	20525	836.5

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

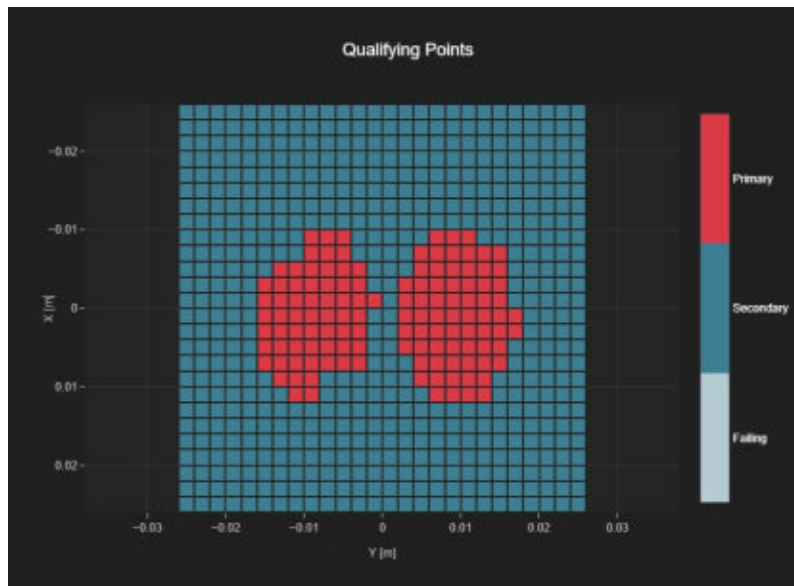
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.92	1.48



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
127	676	26	26



07_LTE Band 7_20M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch21100

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

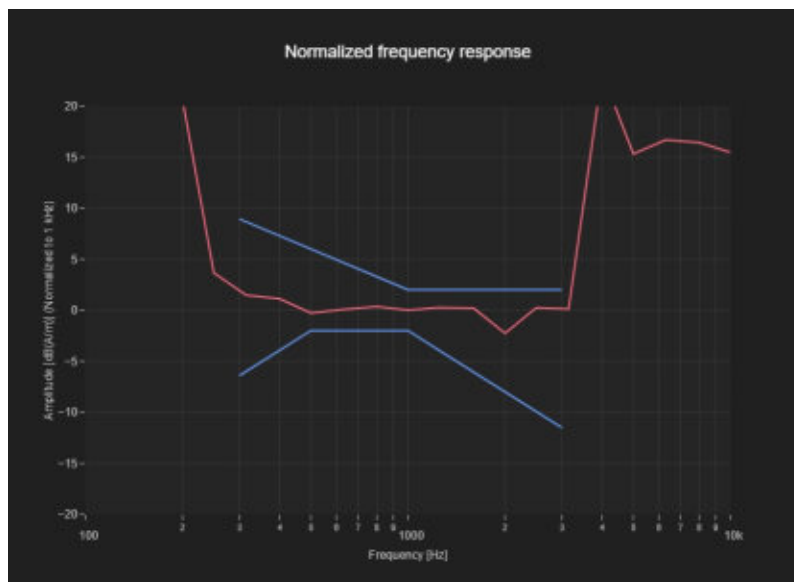
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 7	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	21100	2535.0

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

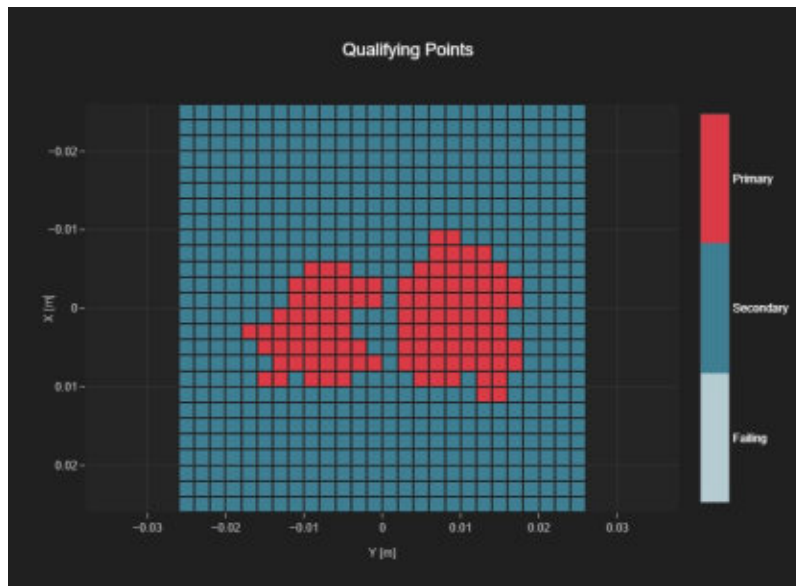
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.74	1.72



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
111	676	26	26



08_LTE Band 12_10M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch23095

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

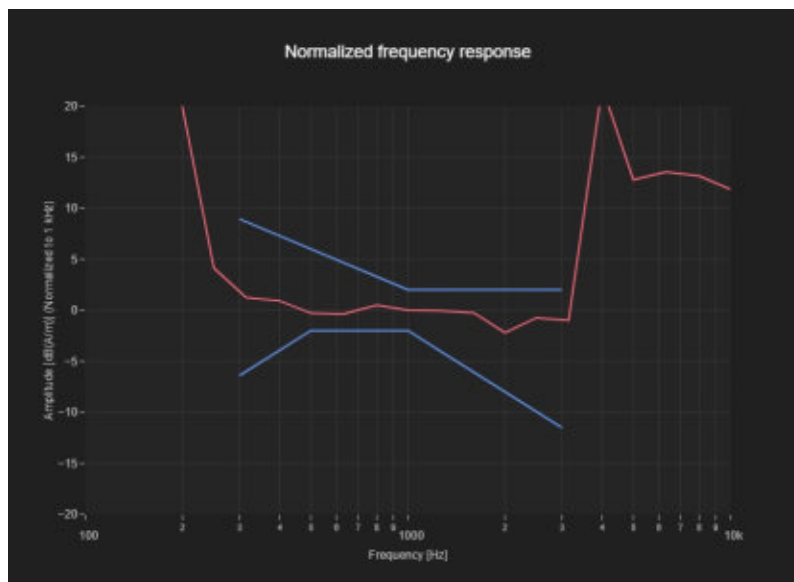
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 12	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	23095	707.5

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

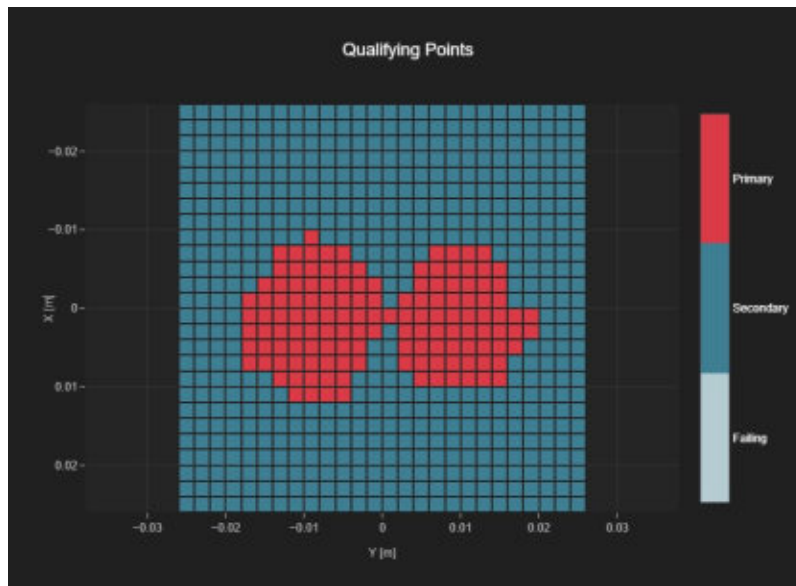
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.63



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	676	26	26



09_LTE Band 14_10M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch23330

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

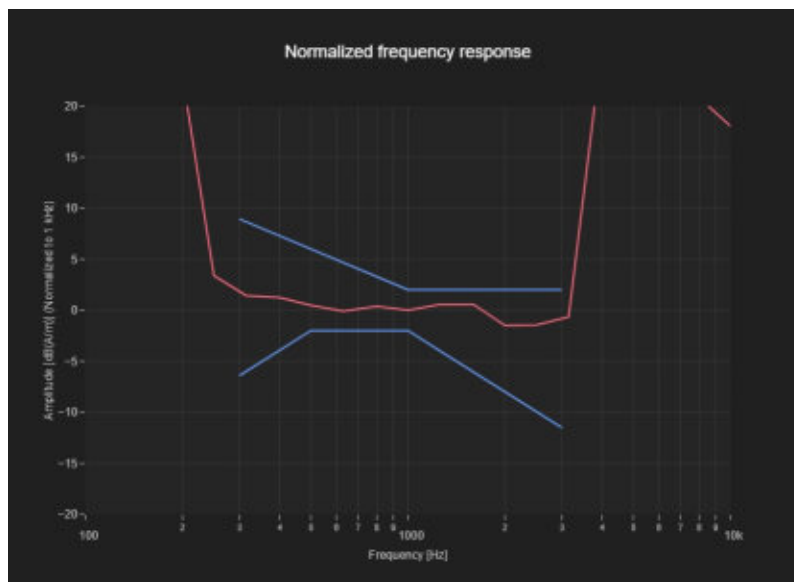
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 14	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	23330	793.0

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

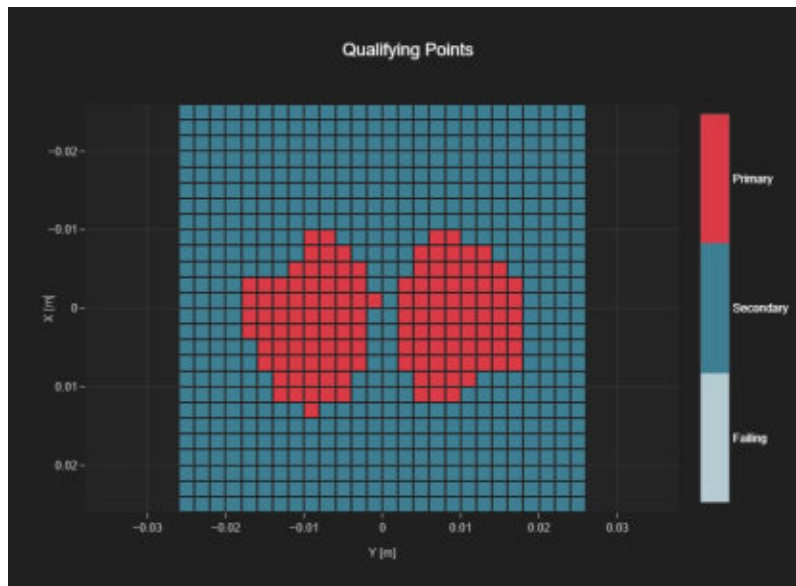
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.45	1.9



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
136	676	26	26



10_LTE Band 17_10M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch23790

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

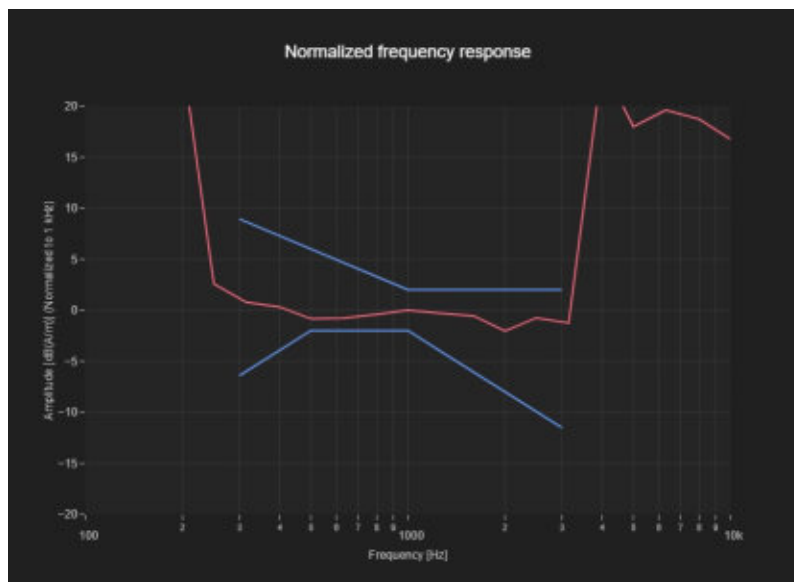
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 17	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	23790	710.0

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

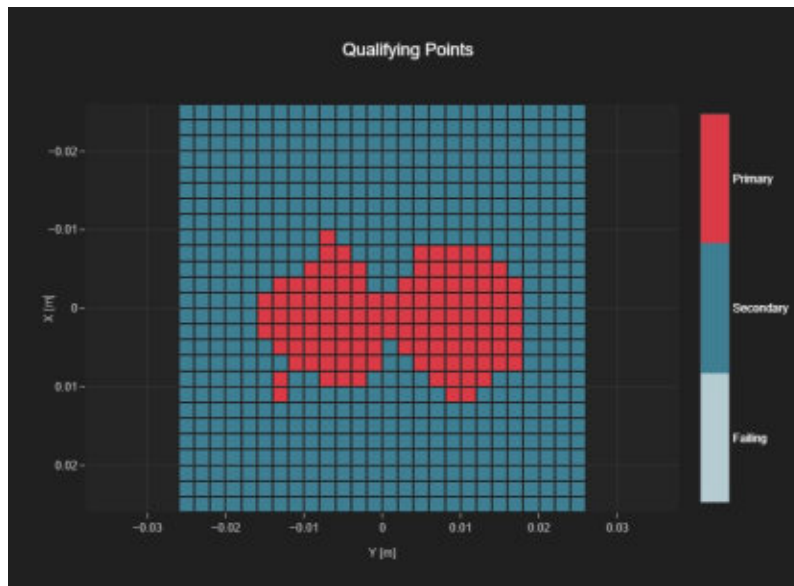
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.16



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
122	676	26	26



11_LTE Band 30_10M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch27710

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

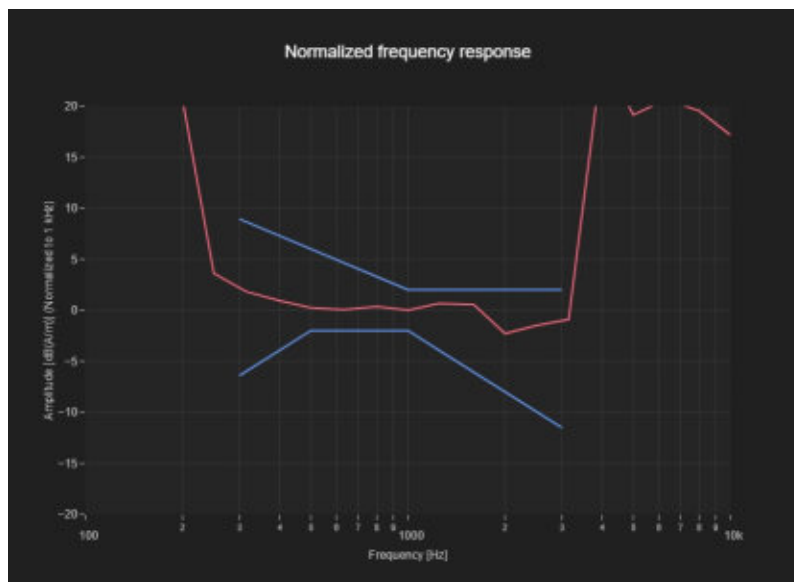
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 30	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	27710	2310.0

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

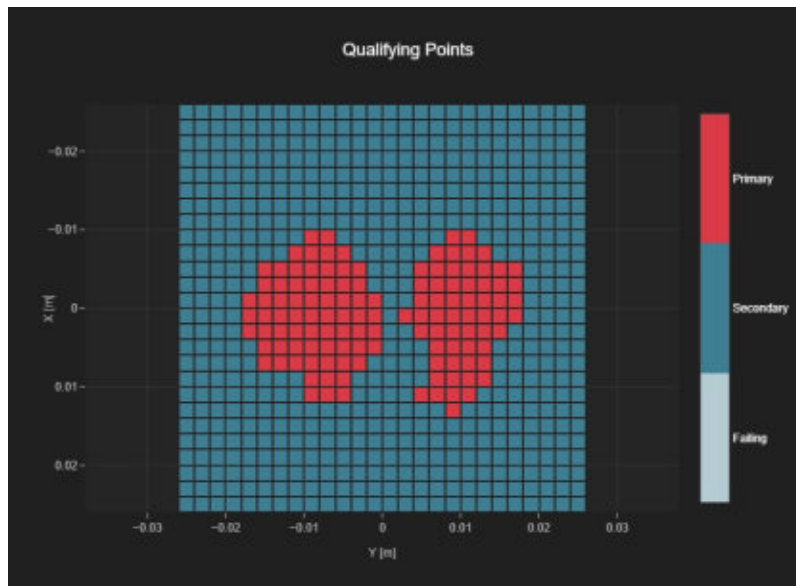
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.34	2.0



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
126	676	26	26



12_LTE Band 66_20M_QPSK_1RB_0Offset_EVS WB 5.9Kbps _Ch132322

Measurement performed on December 19, 2025

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Kubi	SN331CC	205.0 x 58.0 x 12.0	197.0

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3093	July 10, 2025	DAE4 Sn1326	July 11, 2025

Communication Systems

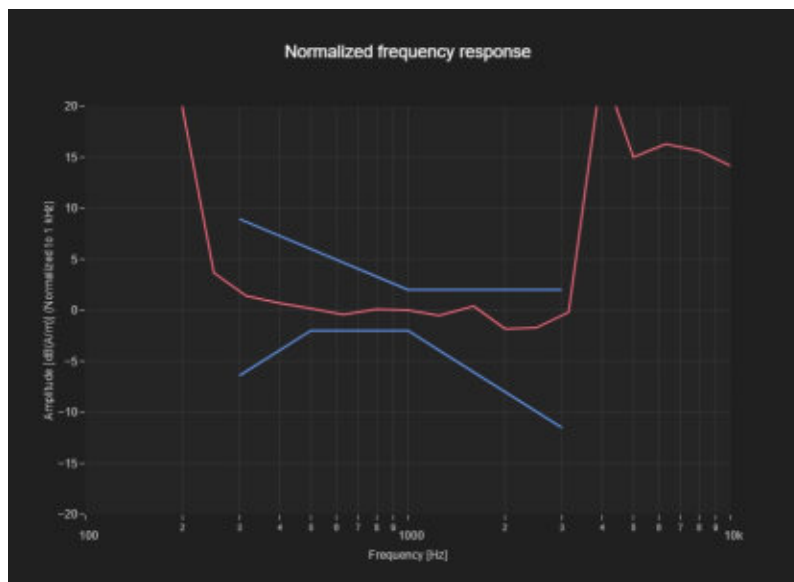
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 66	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	132322	1745.0

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	1.6	1.57



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	676	26	26

