

T-Coil Signal Test Report

Measurement performed on October 11, 2023 at 16:01

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

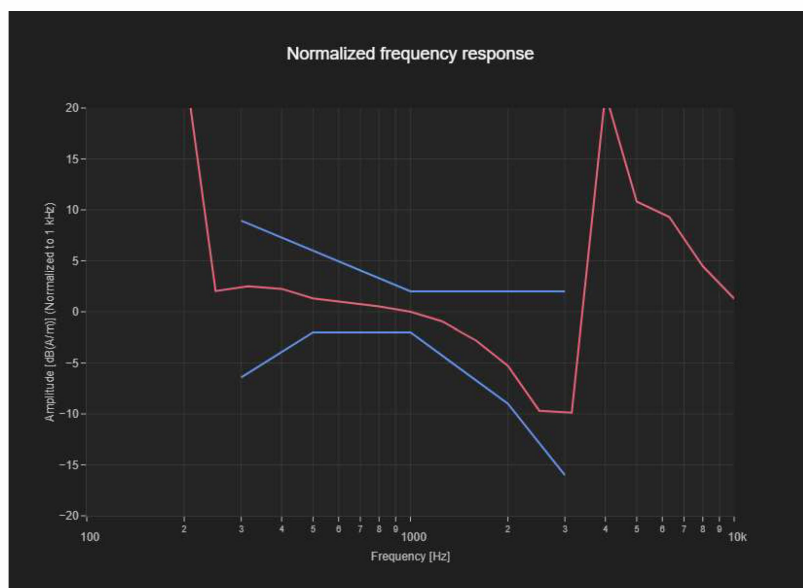
Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	GSM-FDD (TDMA, GMSK)	251	848.8

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

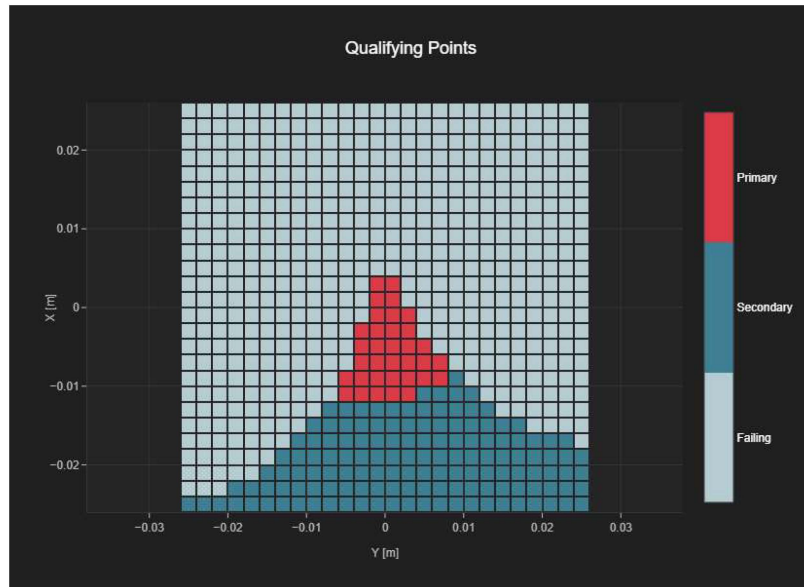
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	2.0



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
34	172	15	26



T-Coil Signal Test Report

Measurement performed on October 11, 2023 at 16:30

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

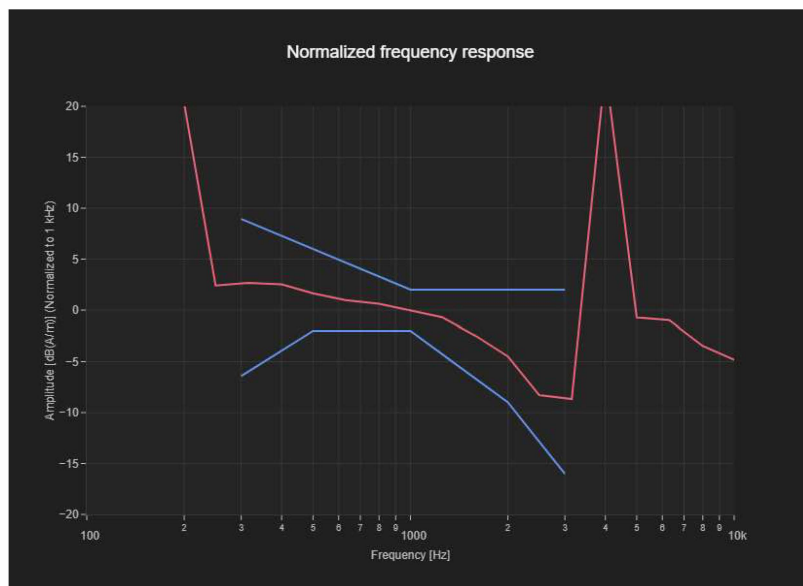
Band Name	Communication Systems Name	Channel	Frequency [MHz]
PCS 1900	GSM-FDD (TDMA, GMSK)	810	1909.8

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

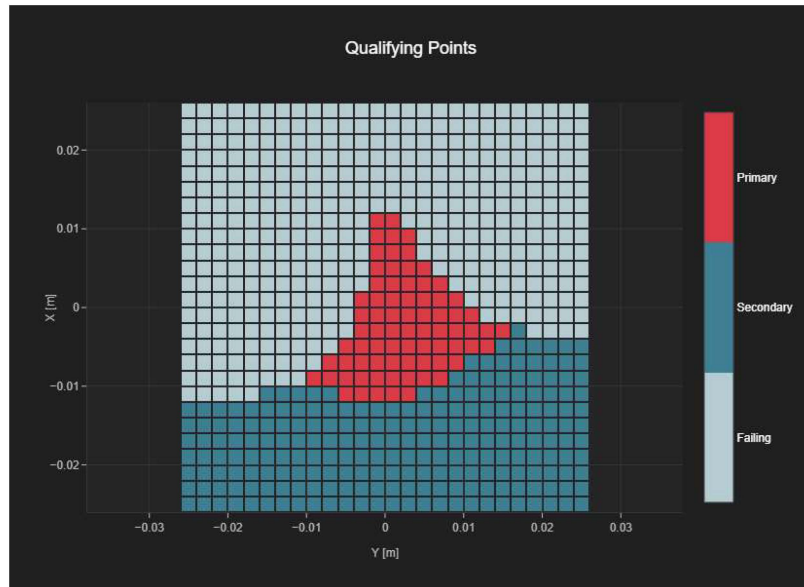
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	2.0



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
75	297	19	26



T-Coil Signal Test Report

Measurement performed on October 09, 2023 at 17:07

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

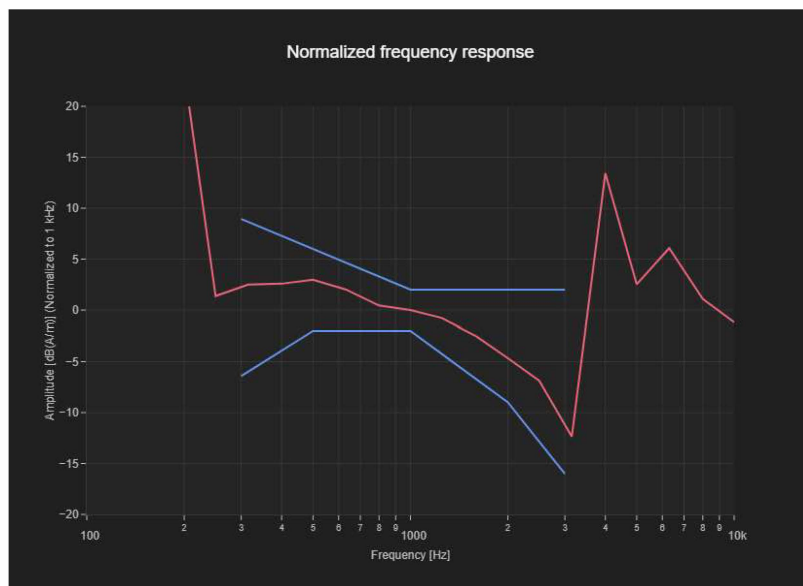
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 2, UTRA/FDD	UMTS-FDD (WCDMA)	9262	1852.4

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



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
302	662	26	26



T-Coil Signal Test Report

Measurement performed on October 09, 2023 at 17:21

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

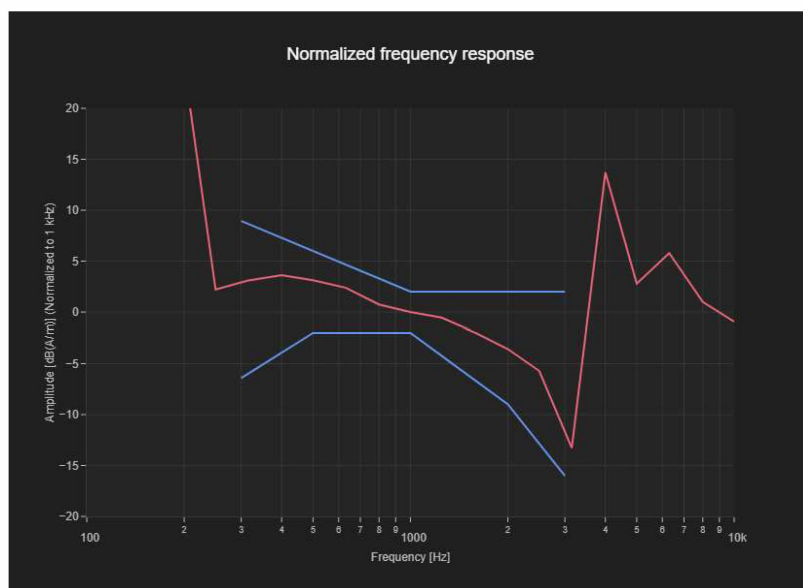
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 4, UTRA/FDD	UMTS-FDD (WCDMA)	1312	1712.4

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

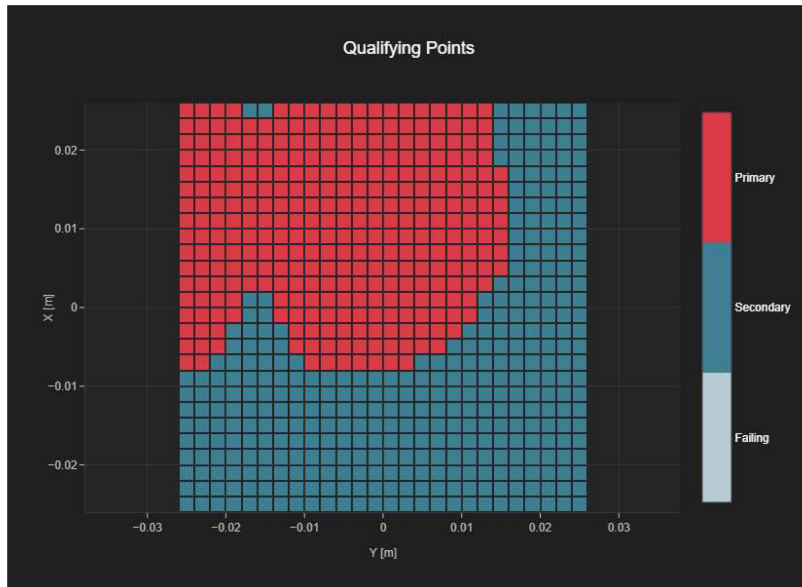
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	2.0



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
315	676	26	26



T-Coil Signal Test Report

Measurement performed on October 09, 2023 at 16:26

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

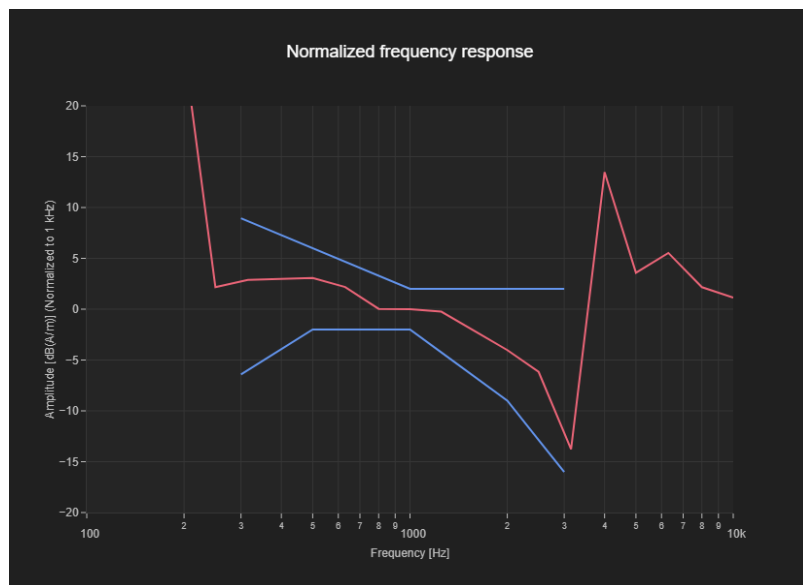
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 5, UTRA/FDD	UMTS-FDD (WCDMA)	4132	826.4

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

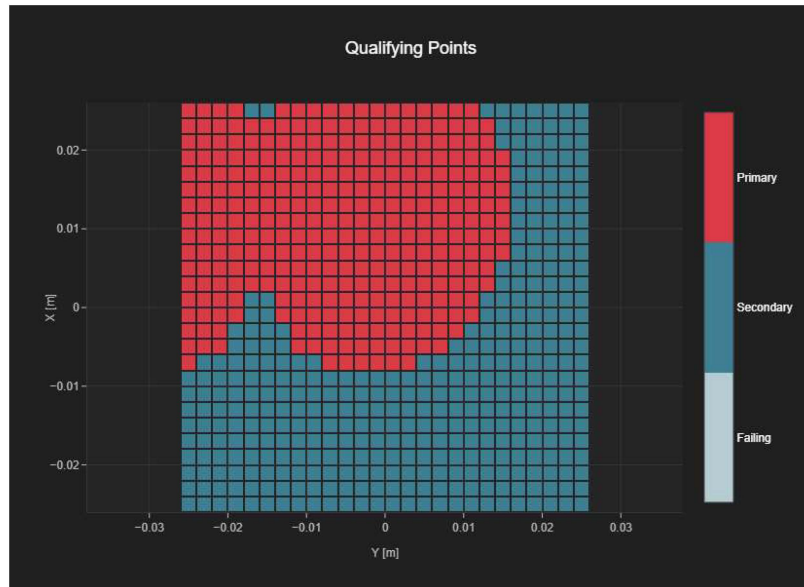
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	2.0



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
312	676	26	26



T-Coil Signal Test Report

Measurement performed on October 11, 2023 at 11:03

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

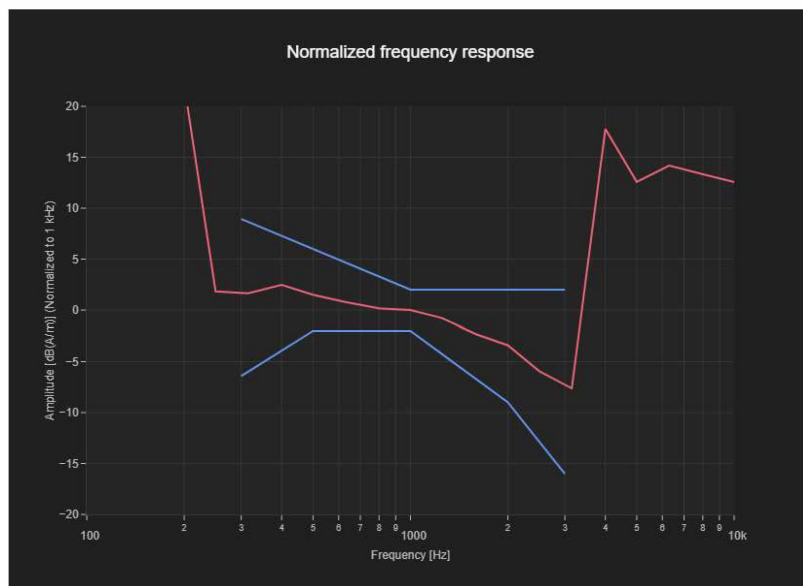
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 7, E-UTRA/FDD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	21100	2535.0

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

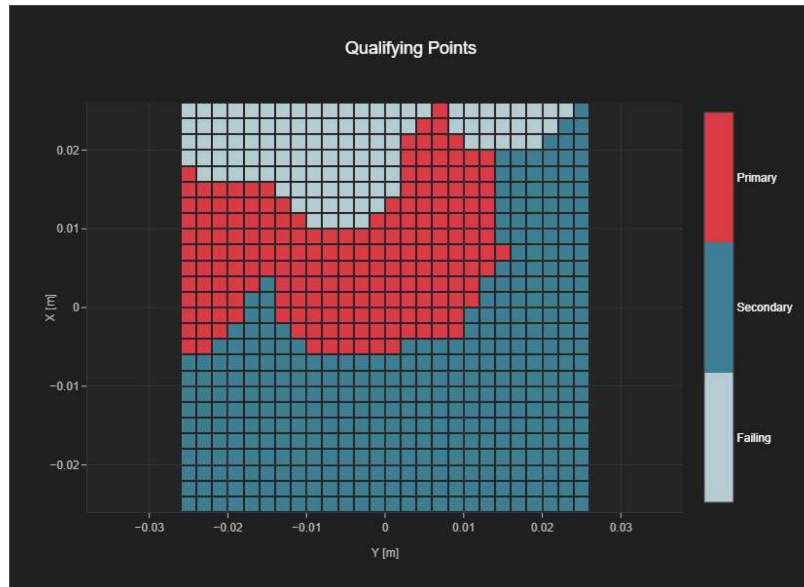
Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	2.0



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
196	566	26	26



T-Coil Signal Test Report

Measurement performed on October 11, 2023 at 13:50

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

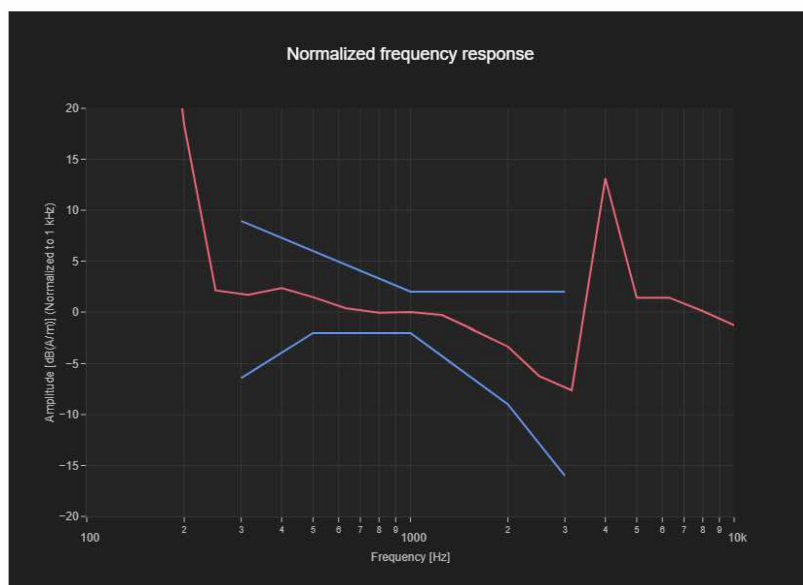
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 12, E-UTRA/FDD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	23095	707.5

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	1.93



T-Coil Coupling Mode Test Report

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
252	624	26	26



T-Coil Signal Test Report

Measurement performed on October 11, 2023 at 14:35

Device Under Test

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
Samsung Electronics	SM-S921U		

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 14, 2023	DAE4 Sn1343	June 30, 2023

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 13, E-UTRA/FDD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	23230	782.0

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

