

T-Coil Signal Test Report

Measurement performed on January 24, 2025 at 15:28

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

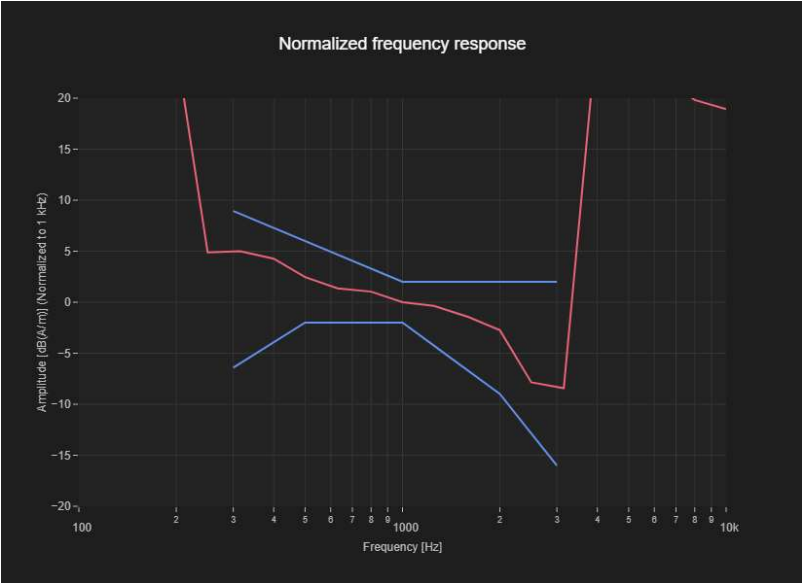
Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	GSM-FDD (TDMA, GMSK)	128	824.2

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



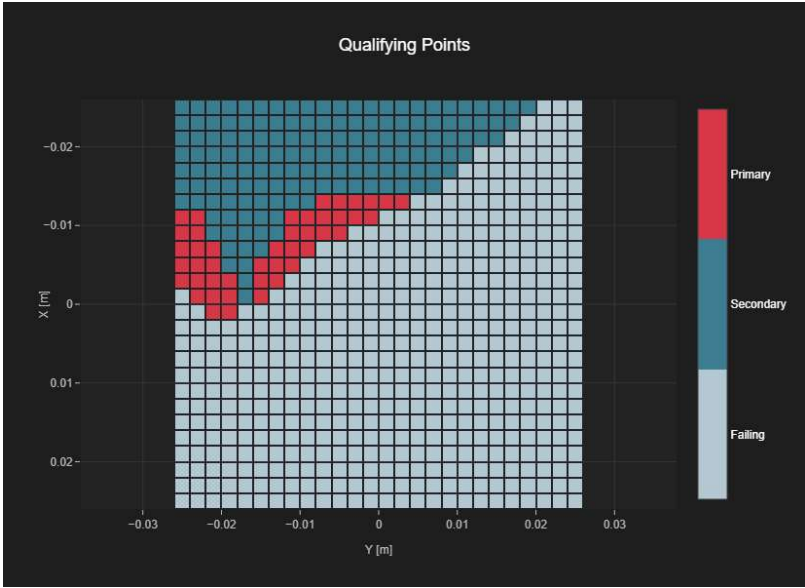
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
44	190	14	23



T-Coil Signal Test Report

Measurement performed on January 24, 2025 at 17:36

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

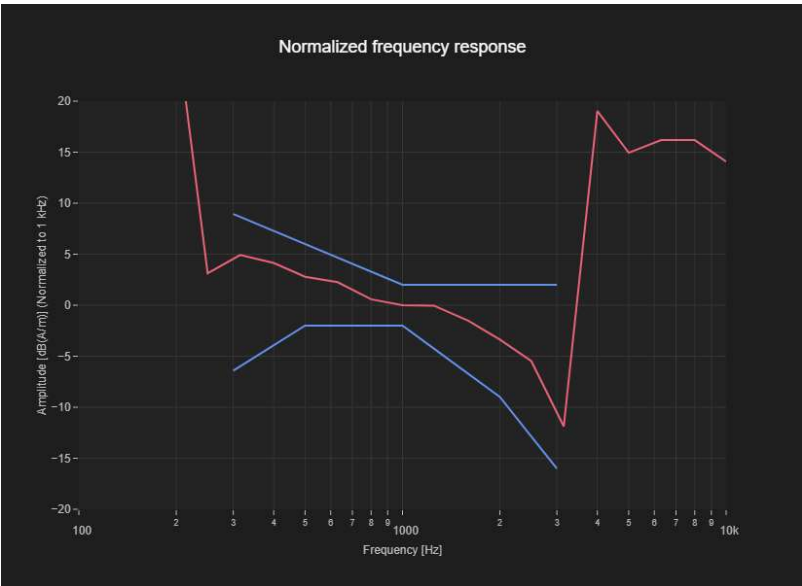
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 5	UMTS-FDD (WCDMA)	4233	846.6

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



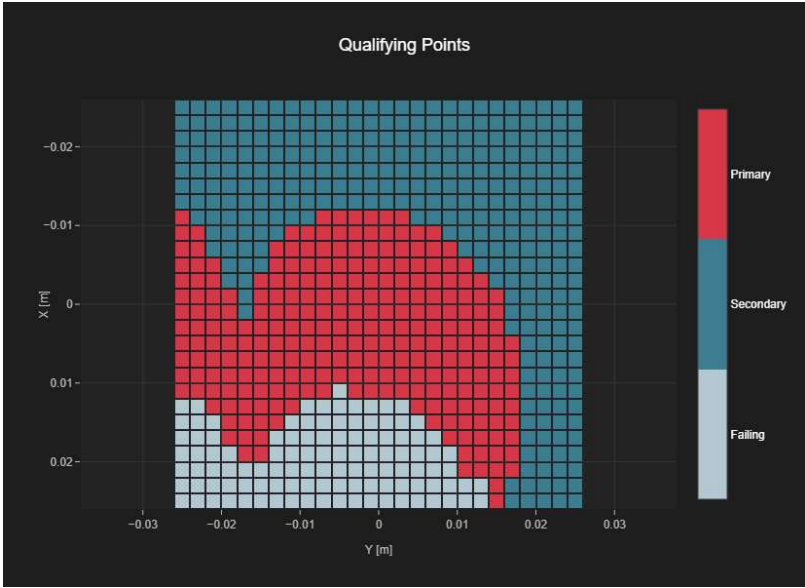
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
258	566	26	26



T-Coil Signal Test Report

Measurement performed on January 21, 2025 at 12:56

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

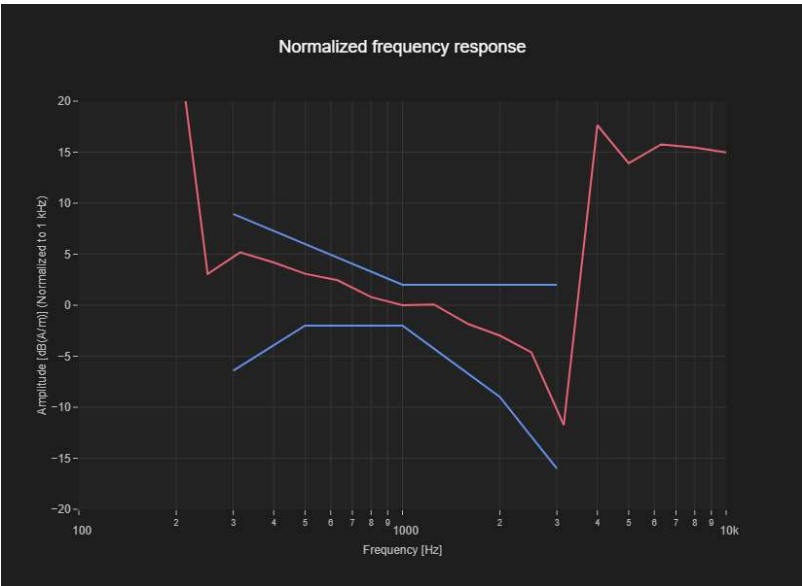
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 26	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	26865	831.5

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



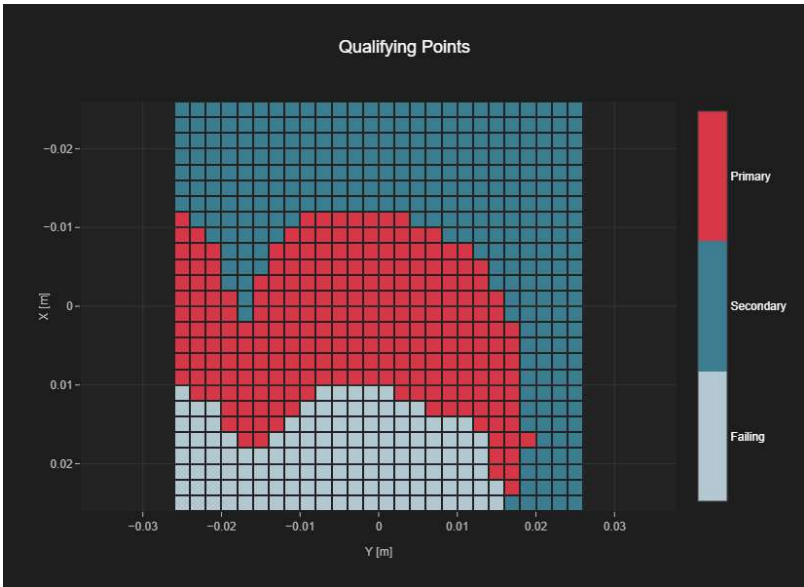
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
243	544	26	26



T-Coil Signal Test Report

Measurement performed on January 25, 2025 at 15:35

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

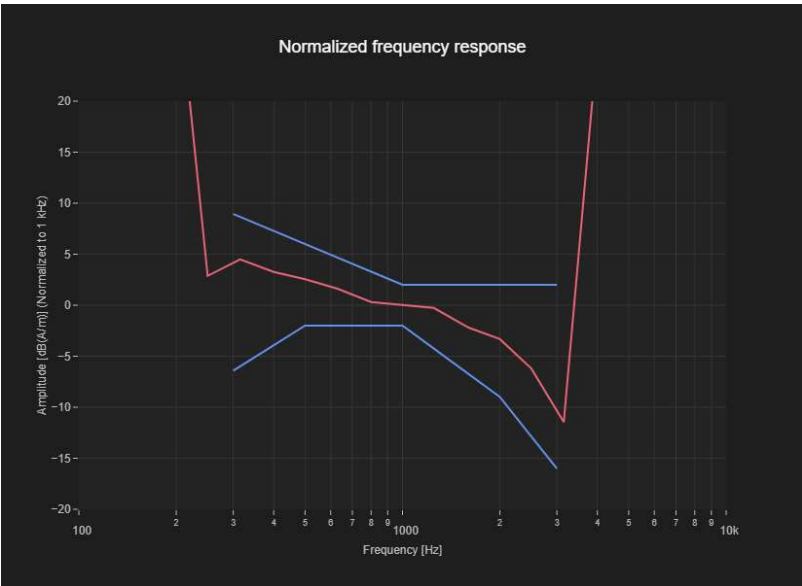
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 41	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	39750	2506.0

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



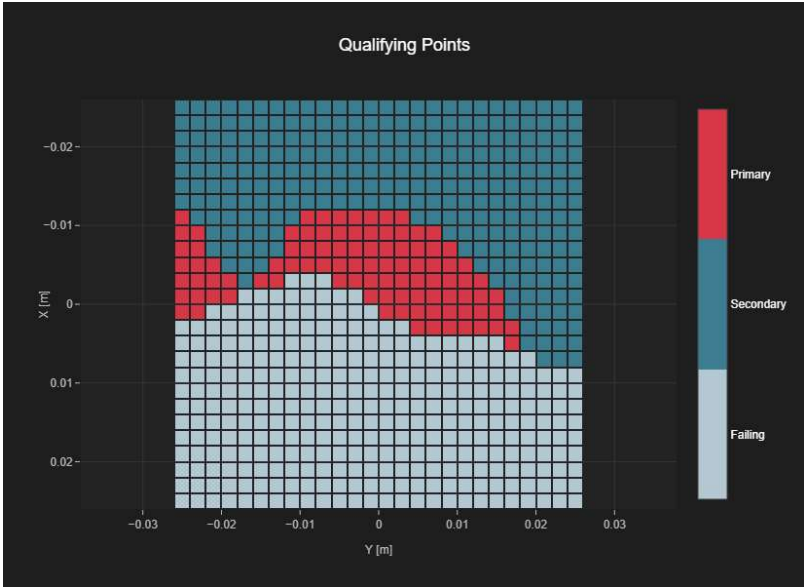
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
96	361	17	26



T-Coil Signal Test Report

Measurement performed on January 26, 2025 at 09:52

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

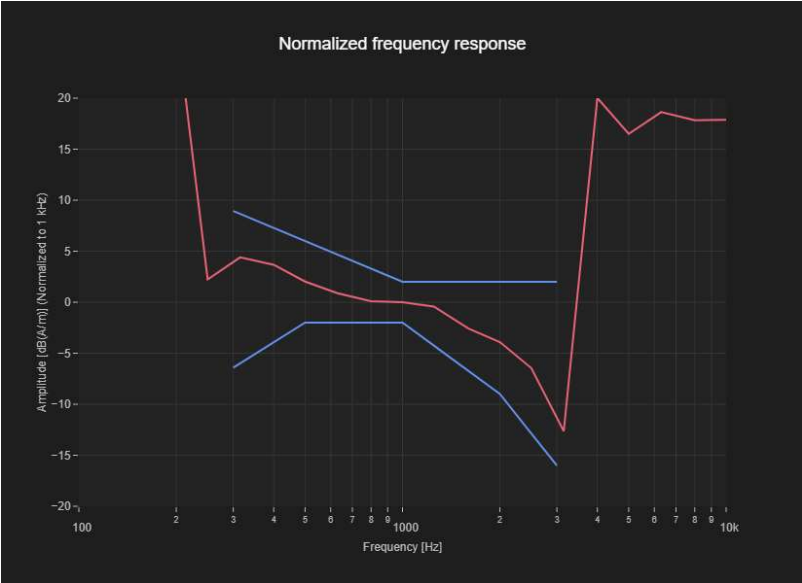
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n7	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	507000	2535.0

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

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
206	502	26	26



T-Coil Signal Test Report

Measurement performed on January 23, 2025 at 10:31

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

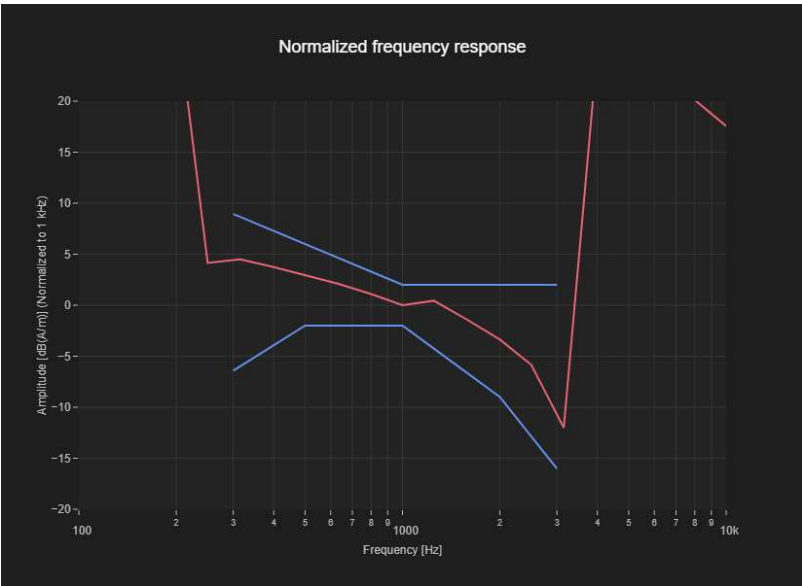
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n41	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	518598	2592.99

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	1.56	2.0



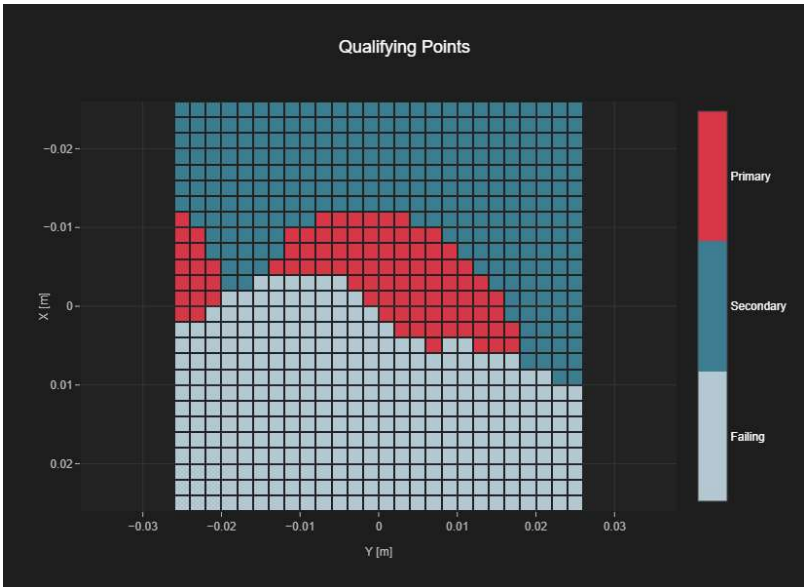
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
94	364	18	26



T-Coil Signal Test Report

Measurement performed on January 22, 2025 at 18:37

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

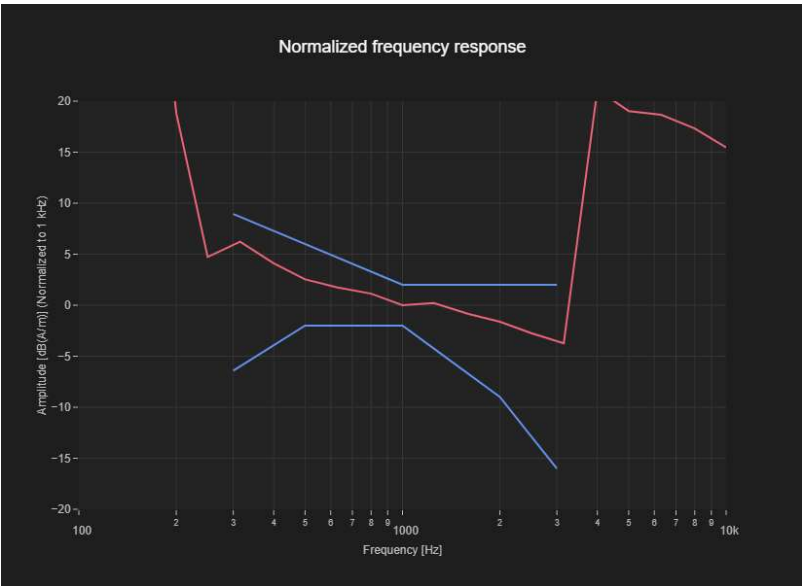
Band Name	Communication Systems Name	Channel	Frequency [MHz]
WLAN 2.4GHz	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	6	2437.0

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	1.79	2.0



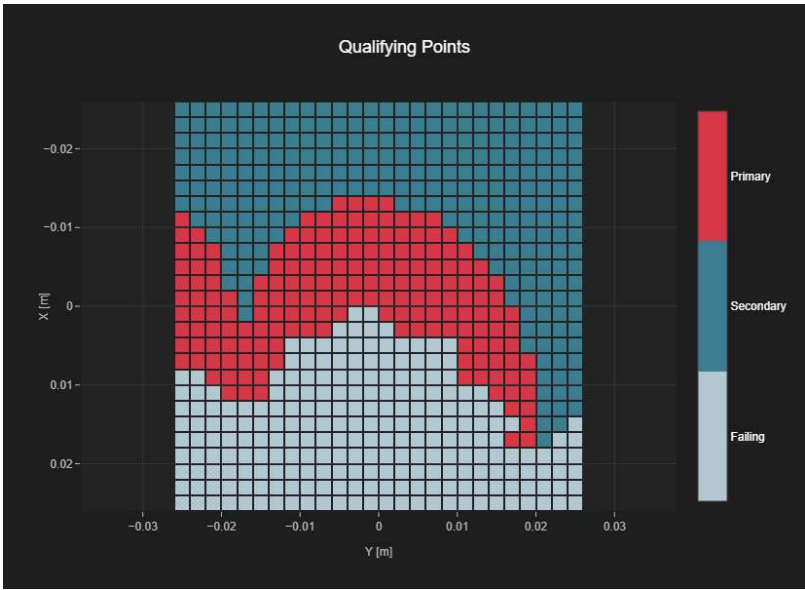
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
179	446	22	26



T-Coil Signal Test Report

Measurement performed on January 22, 2025 at 08:27

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

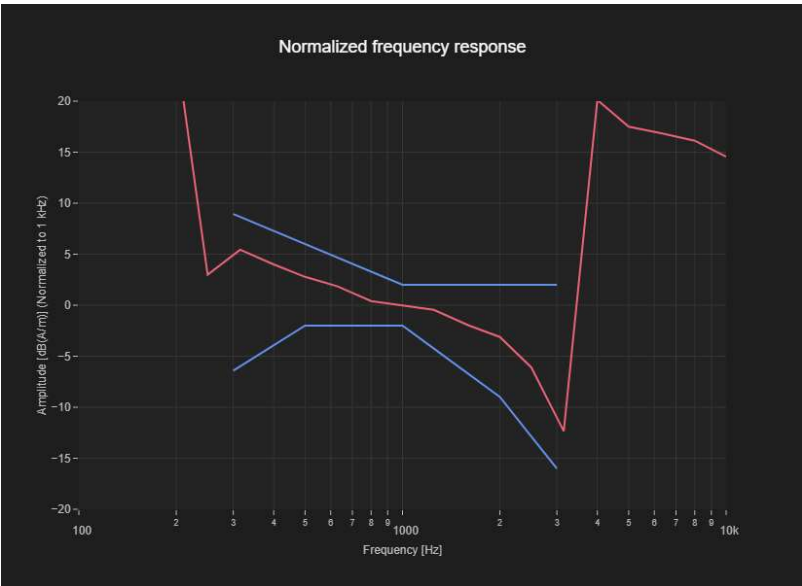
Band Name	Communication Systems Name	Channel	Frequency [MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	40	5200.0

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



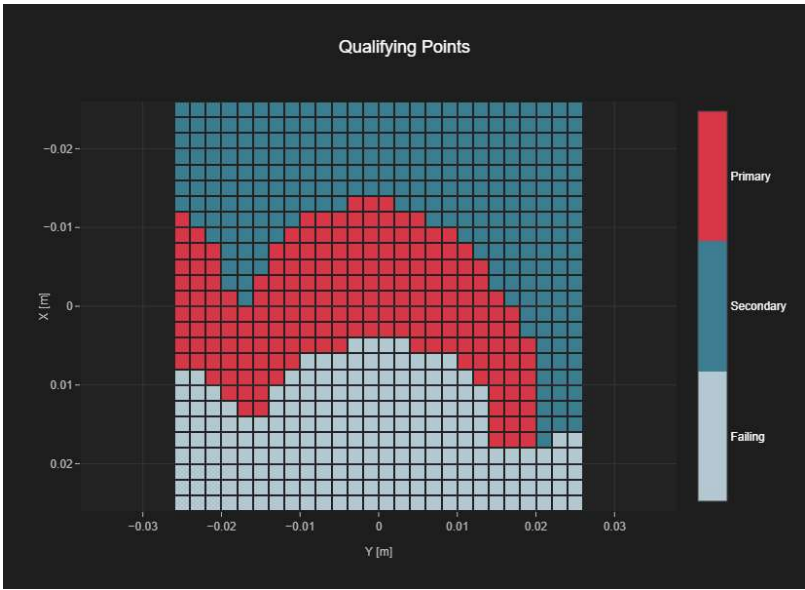
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
198	467	22	26



T-Coil Signal Test Report

Measurement performed on January 26, 2025 at 18:43

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

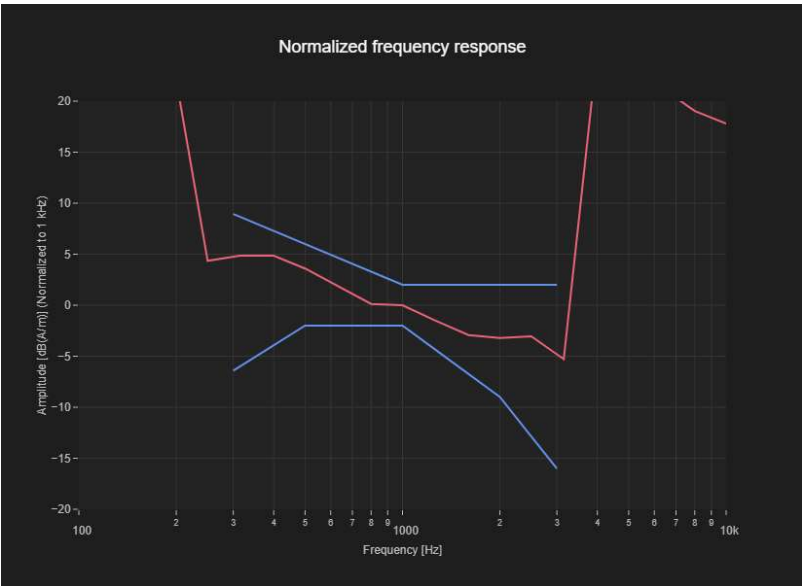
Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	EDGE-FDD (TDMA, 8PSK, TN 0-1)	128	824.2

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



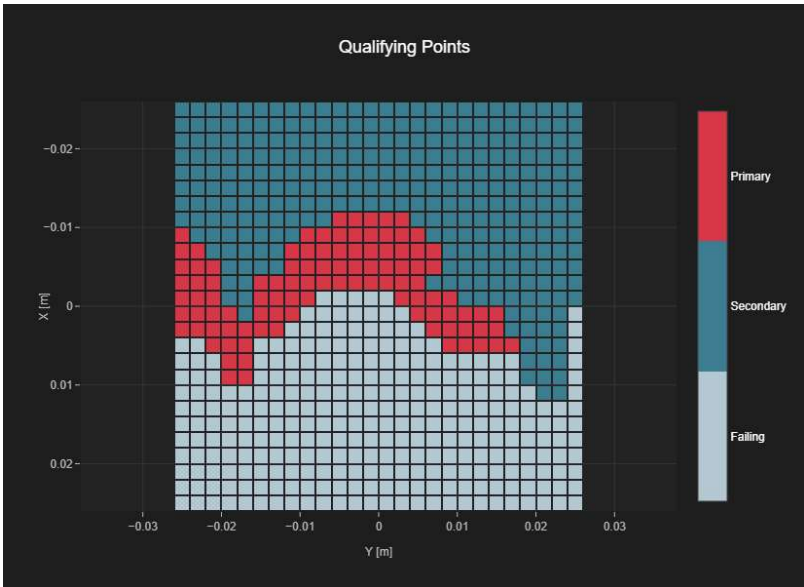
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
101	390	19	26



T-Coil Signal Test Report

Measurement performed on January 30, 2025 at 09:18

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

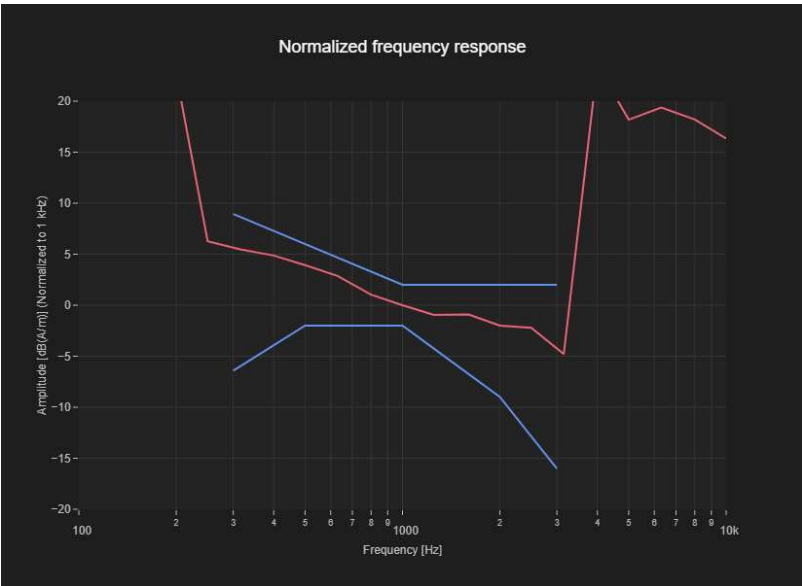
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 5	UMTS-FDD (HSUPA, Subtest 2)	4233	846.6

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	1.79	2.0



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
188	508	25	26



T-Coil Signal Test Report

Measurement performed on January 30, 2025 at 11:31

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

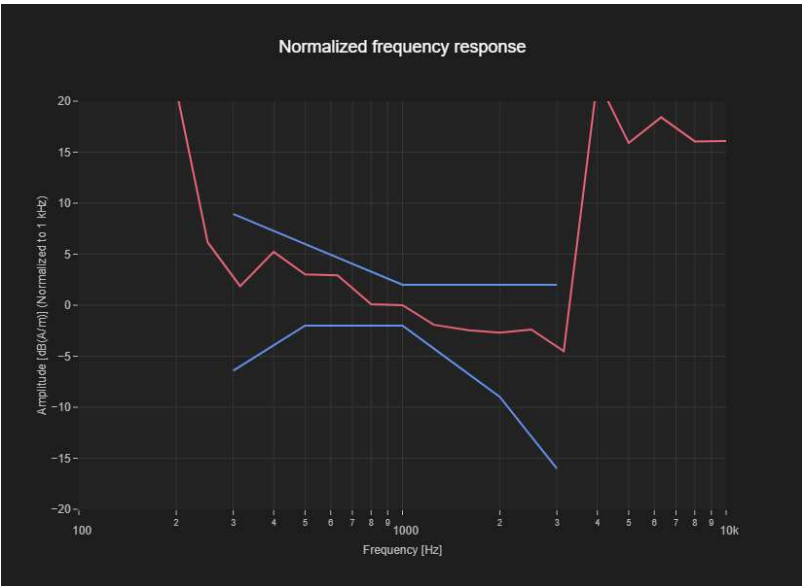
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 26	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	26865	831.5

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	1.75	2.0



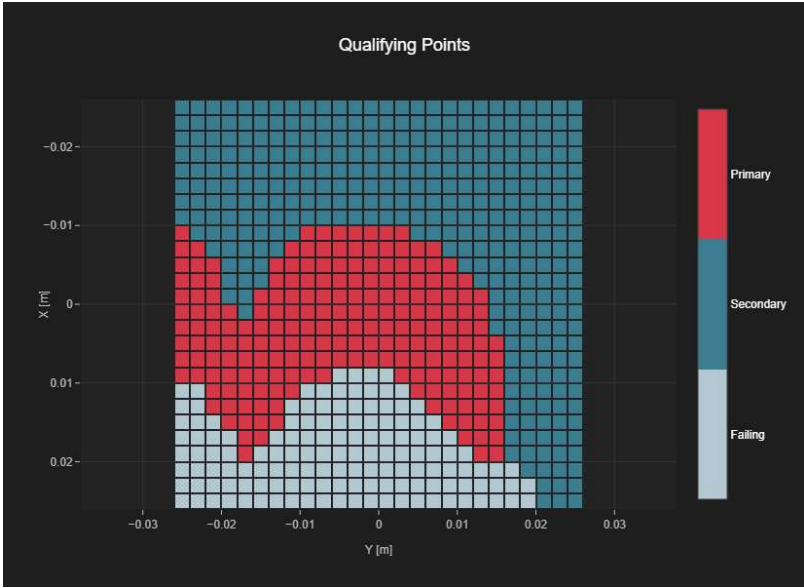
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
205	537	26	26



T-Coil Signal Test Report

Measurement performed on January 30, 2025 at 15:16

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

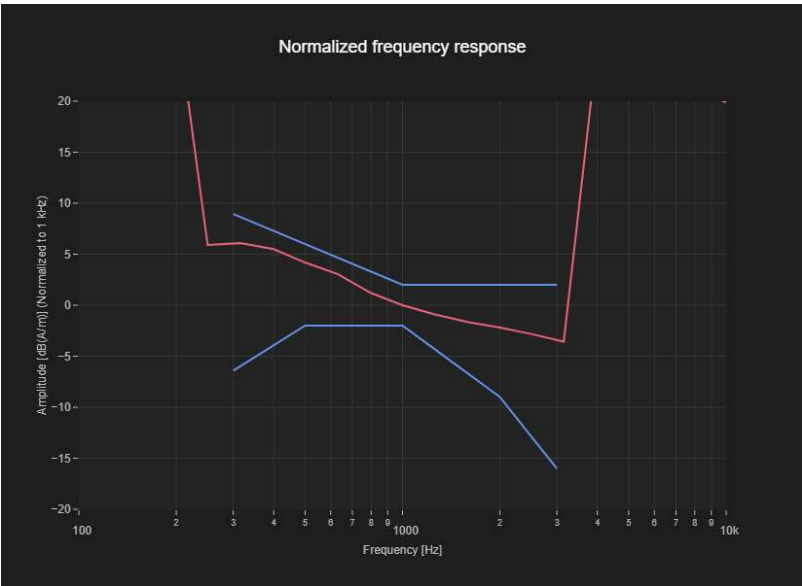
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 41	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	39750	2506.0

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	2.0



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
95	380	18	26



T-Coil Signal Test Report

Measurement performed on February 02, 2025 at 18:47

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

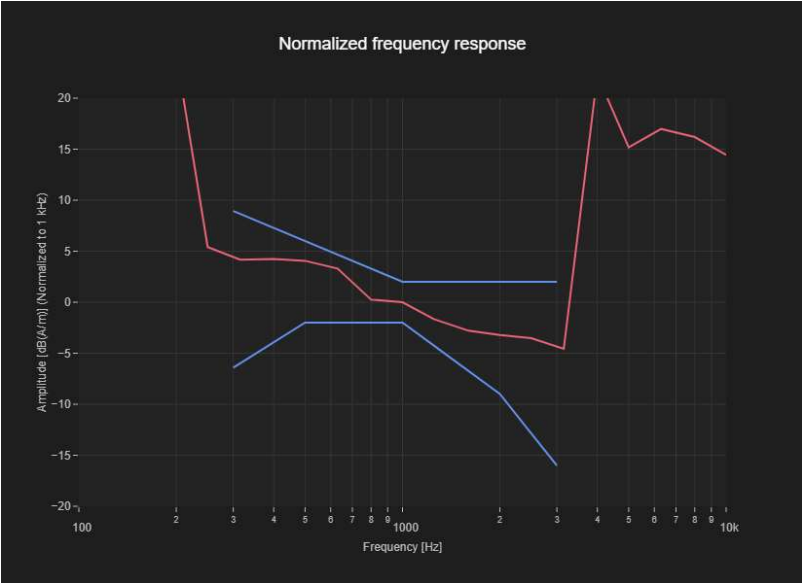
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n7	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	507000	2535.0

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	1.36	2.0



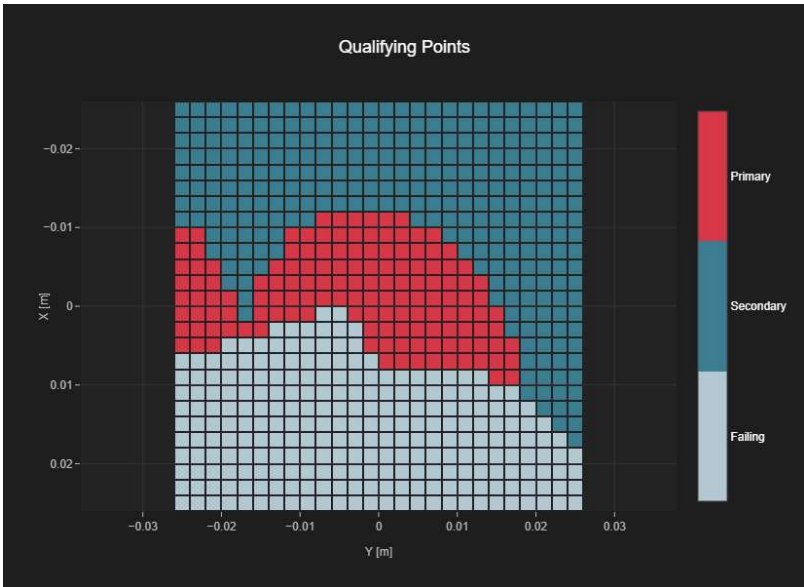
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
141	428	22	26



T-Coil Signal Test Report

Measurement performed on February 02, 2025 at 17:41

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

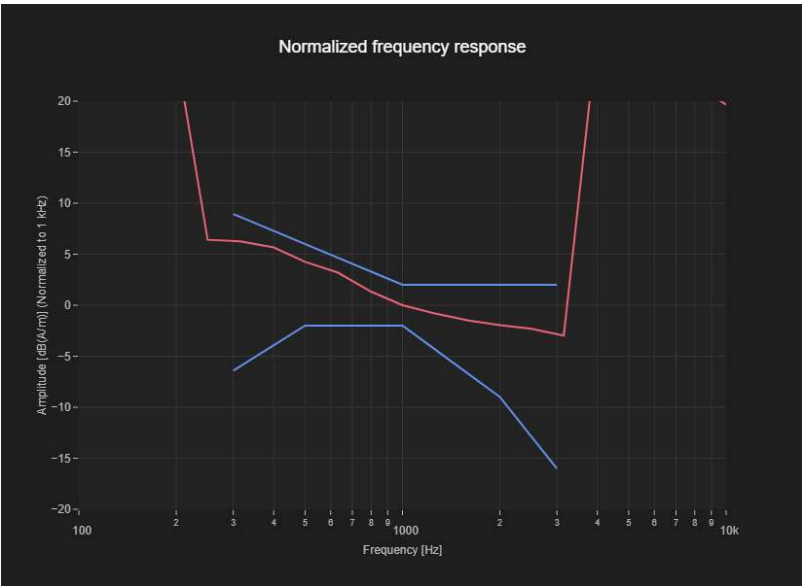
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n41	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	518598	2592.99

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	1.45	2.0



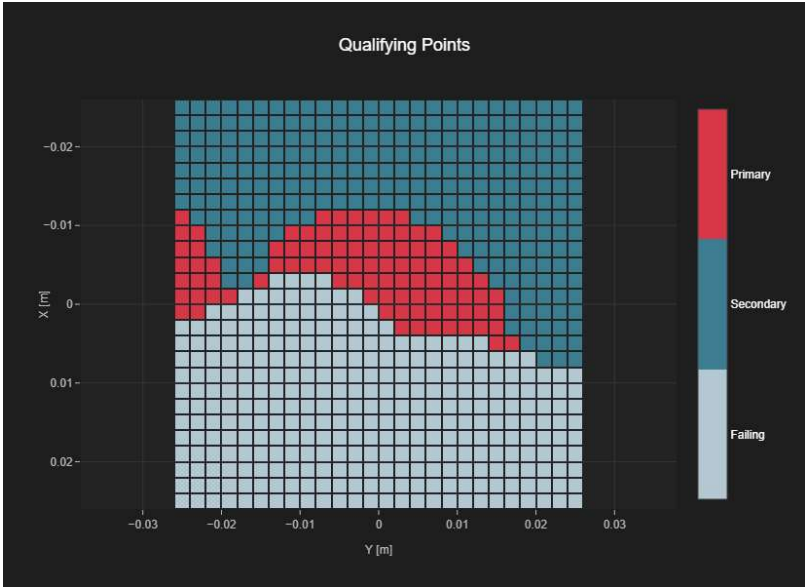
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
95	362	17	26



T-Coil Signal Test Report

Measurement performed on January 30, 2025 at 16:26

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

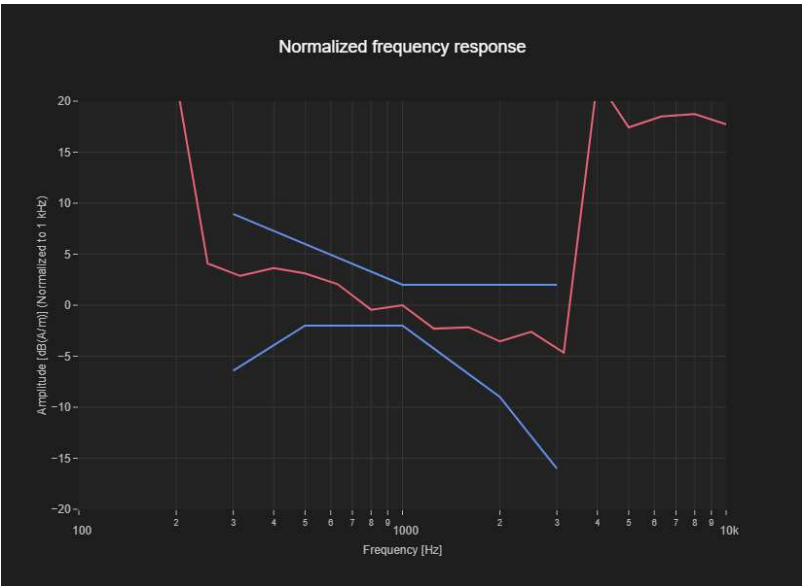
Band Name	Communication Systems Name	Channel	Frequency [MHz]
WLAN 2.4GHz	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	6	2437.0

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	1.56



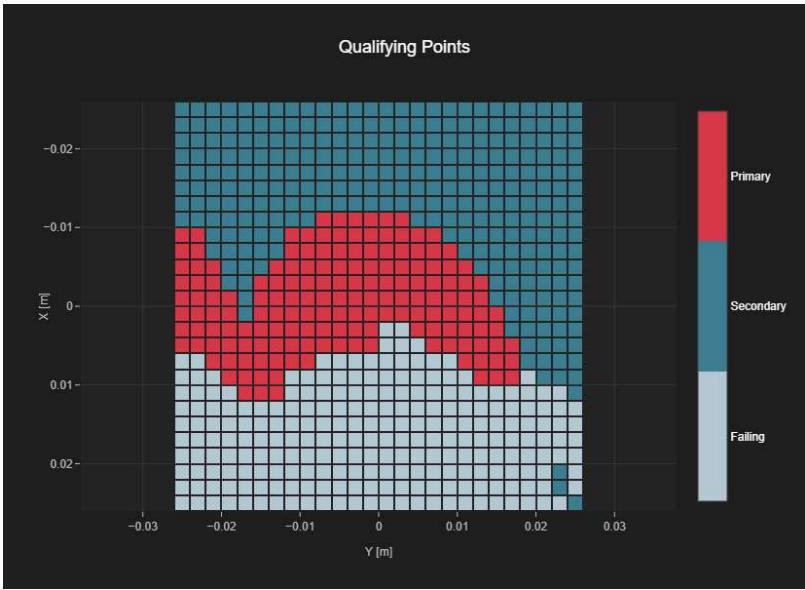
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
163	442	20	26



T-Coil Signal Test Report

Measurement performed on January 30, 2025 at 17:22

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3140	September 17, 2024	DAE4 Sn1670	May 15, 2024

Communication Systems

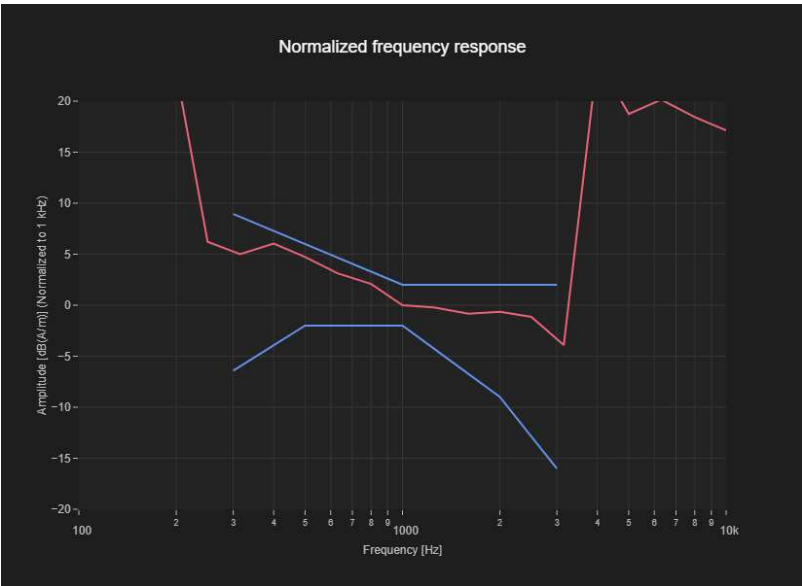
Band Name	Communication Systems Name	Channel	Frequency [MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	40	5200.0

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	1.21	2.0



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S937U

Results

Primary Group Contiguous Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
186	473	23	26

