

T-Coil Signal Test Report

Measurement performed on November 19, 2025 at 19:26

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

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

Grid Settings

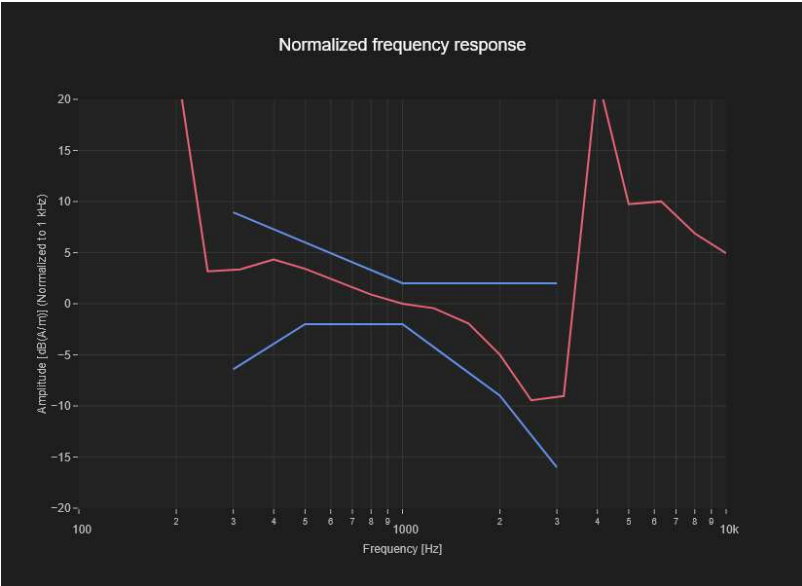
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.63	10.71	(11.0, -9.0)

Frequency Response 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



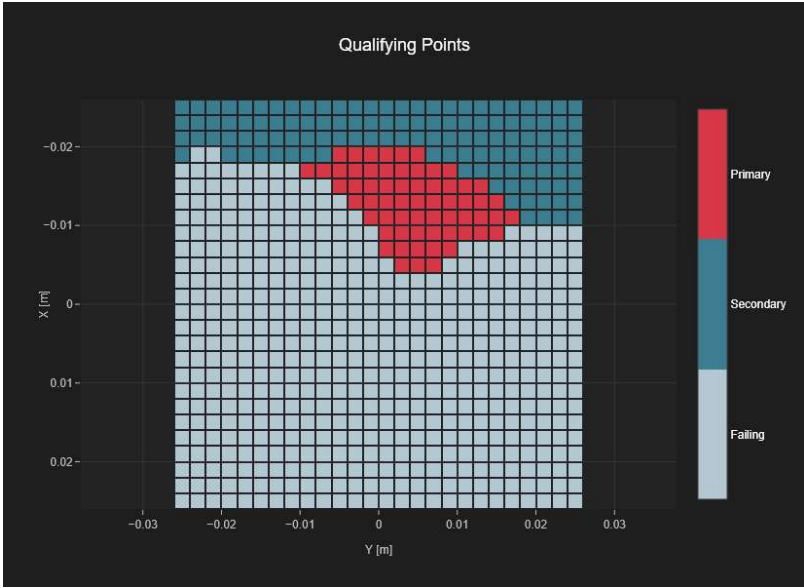
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
62	181	11	26



T-Coil Signal Test Report

Measurement performed on November 21, 2025 at 18:29

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 5	UMTS-FDD (WCDMA)	4183	836.6

Grid Settings

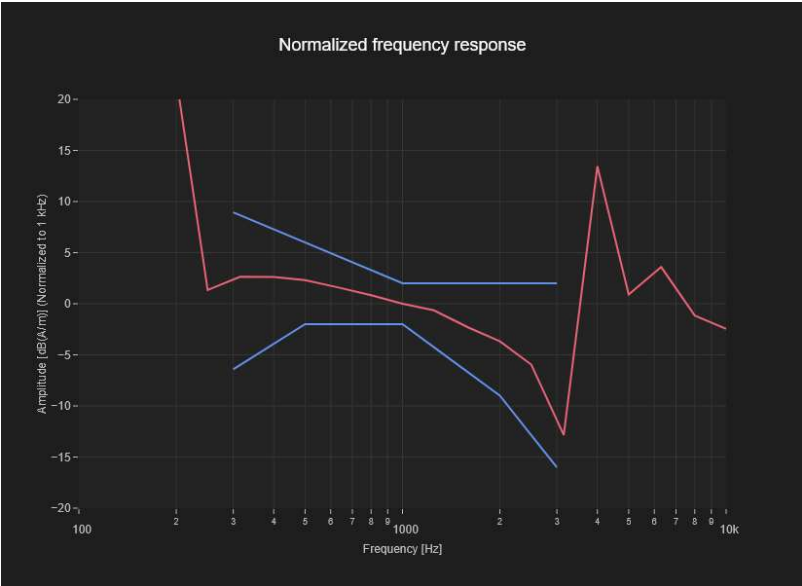
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	9.32	(12.0, -8.0)

Frequency Response 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



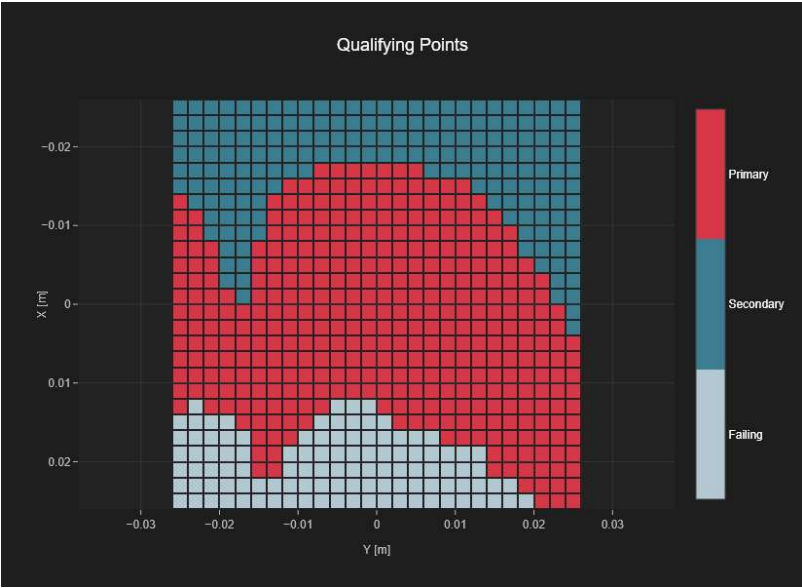
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
383	568	26	26



T-Coil Signal Test Report

Measurement performed on November 18, 2025 at 17:37

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 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

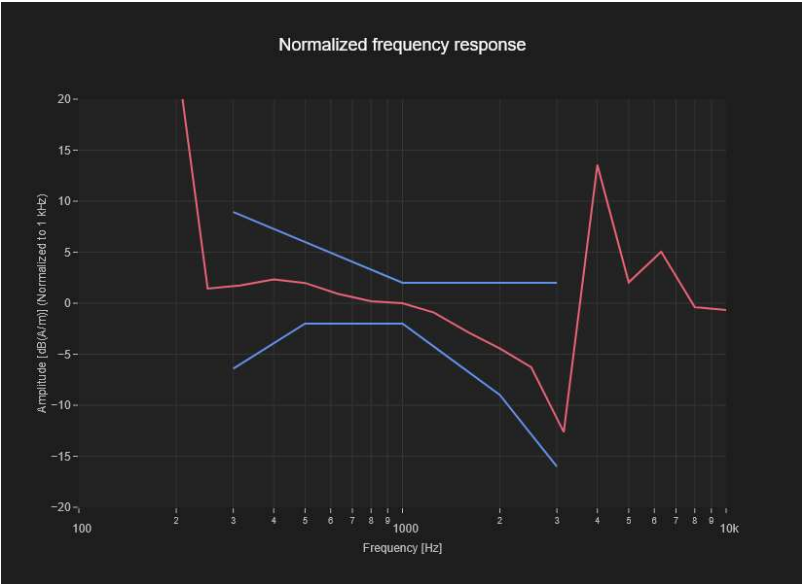
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.63	9.19	(12.0, -8.0)

Frequency Response 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



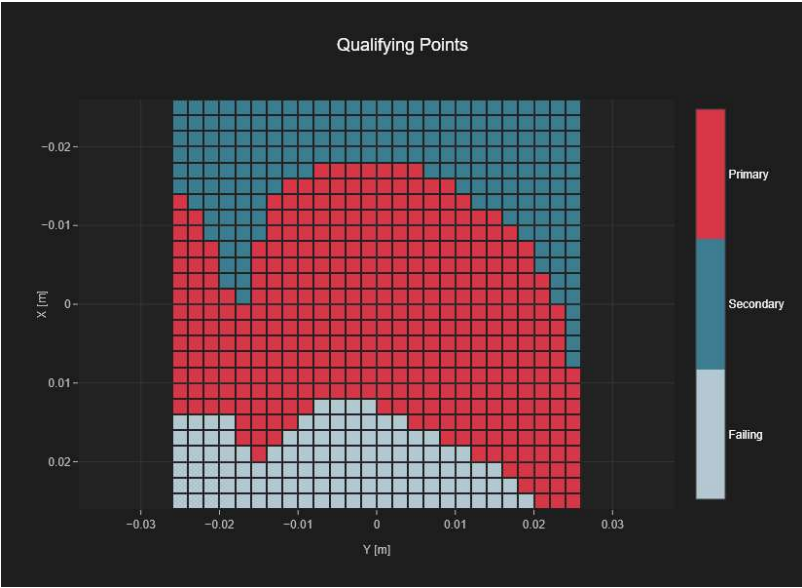
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
375	563	26	26



T-Coil Signal Test Report

Measurement performed on November 19, 2025 at 15:06

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

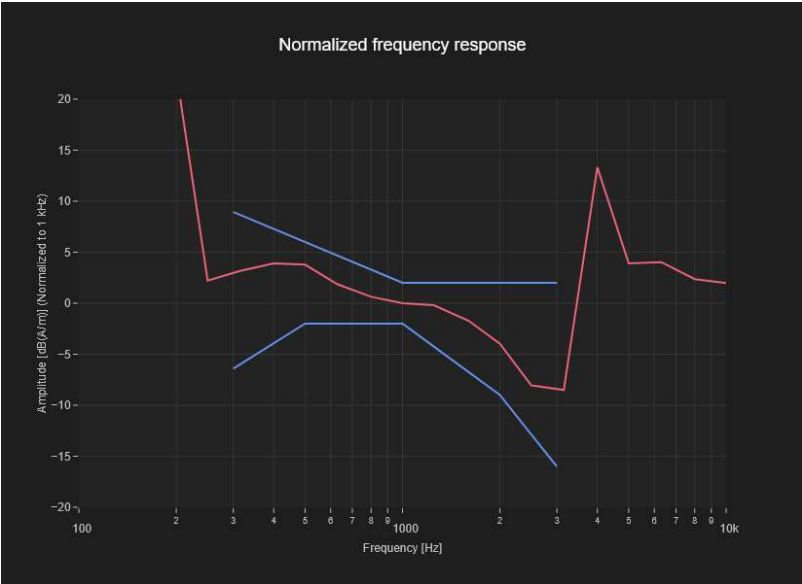
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.63	7.94	(12.0, -9.0)

Frequency Response 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



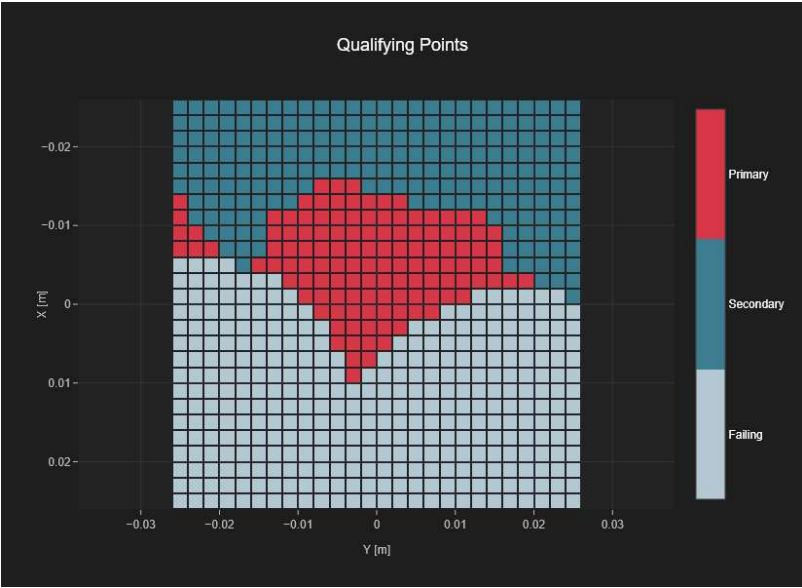
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
124	333	18	26



T-Coil Signal Test Report

Measurement performed on November 18, 2025 at 13:54

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

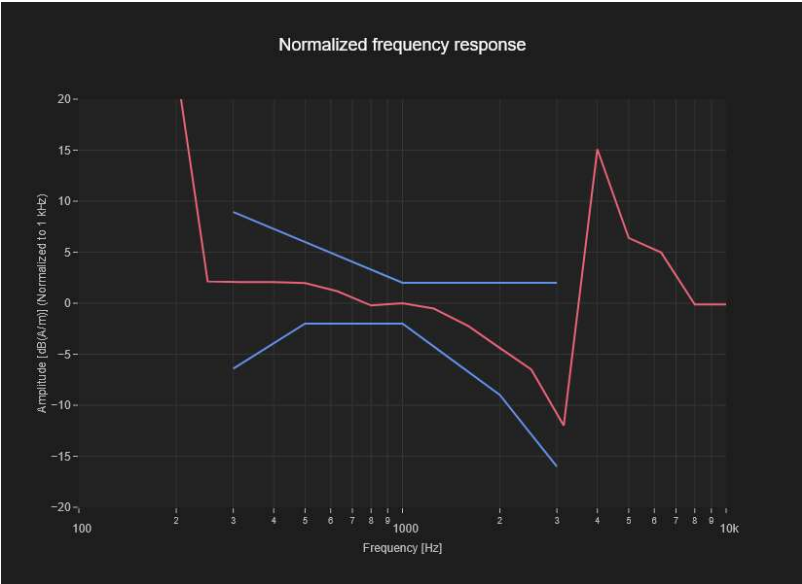
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	2.0	-12.63	8.9	(12.0, -9.0)

Frequency Response Results

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.78



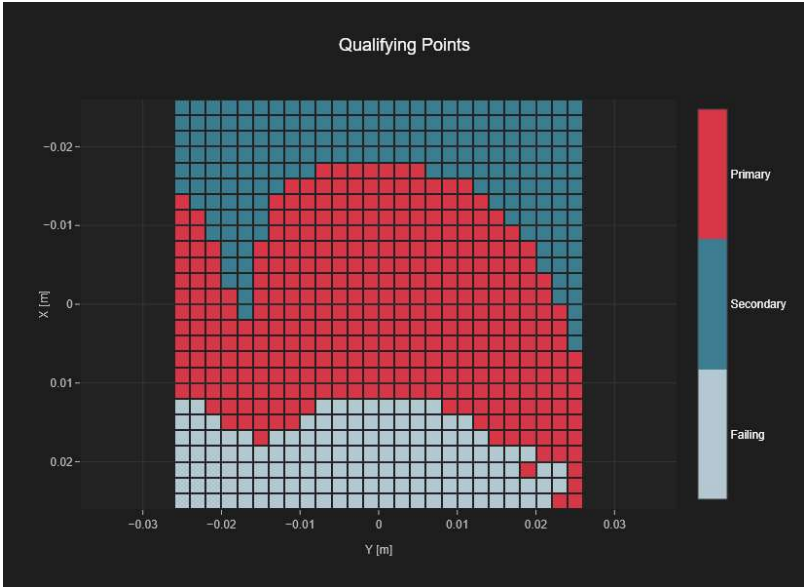
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
351	536	26	26



T-Coil Signal Test Report

Measurement performed on November 24, 2025 at 10:25

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

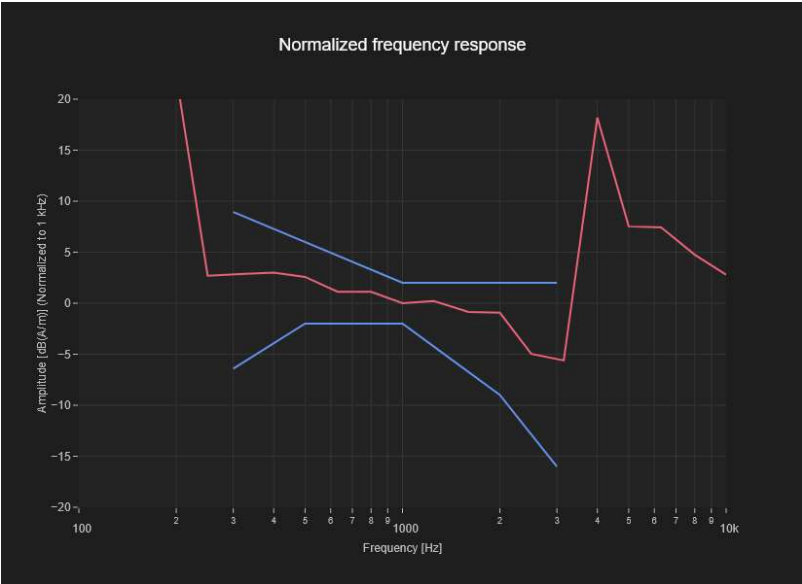
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.59	8.18	(13.0, -9.0)

Frequency Response Results

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	1.78	2.0



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
111	336	15	26



T-Coil Signal Test Report

Measurement performed on November 20, 2025 at 17:19

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

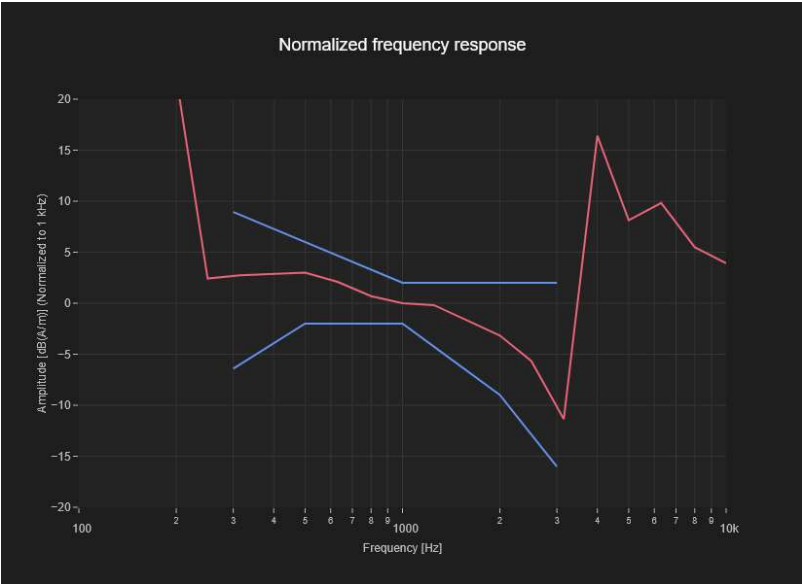
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	8.93	(12.0, -8.0)

Frequency Response 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



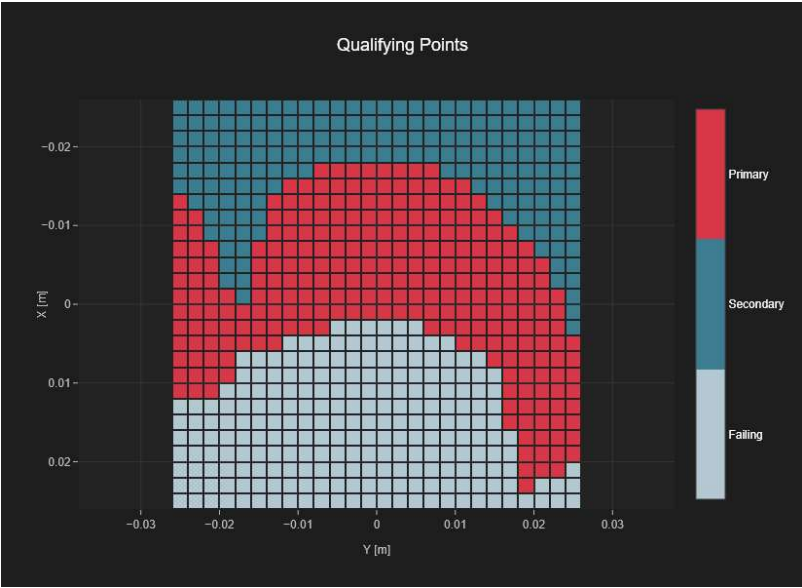
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
267	448	25	26



T-Coil Signal Test Report

Measurement performed on November 21, 2025 at 15:18

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	36	5180.0

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

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	9.37	(11.0, -8.0)

Frequency Response Results

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.87



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
324	506	26	26



T-Coil Signal Test Report

Measurement performed on November 23, 2025 at 14:50

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

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

Grid Settings

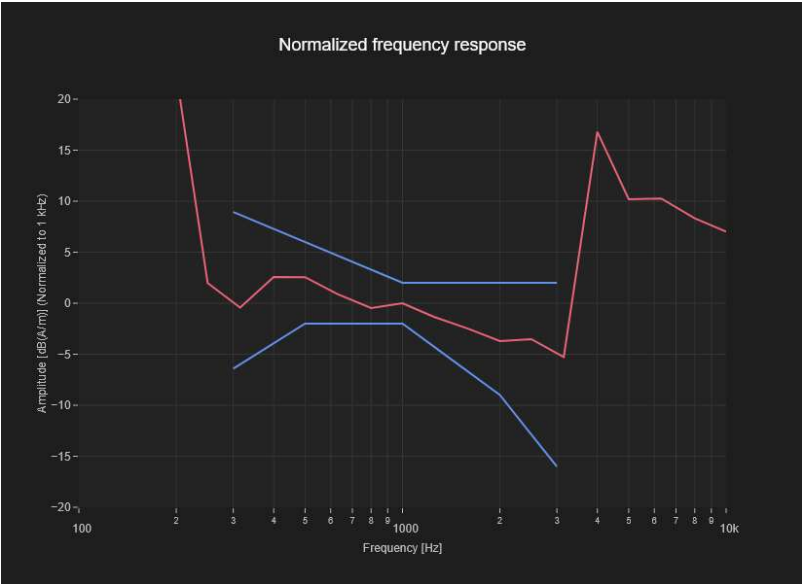
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	2.0	-12.63	8.73	(10.0, -7.0)

Frequency Response Results

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.53



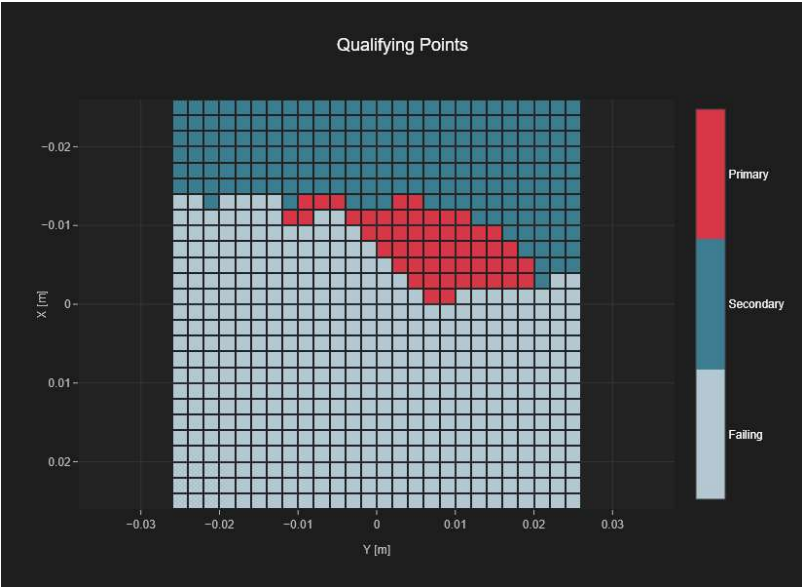
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
52	243	13	26



T-Coil Signal Test Report

Measurement performed on November 23, 2025 at 17:31

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 4	UMTS-FDD (HSUPA, Subtest 2)	1413	1732.6

Grid Settings

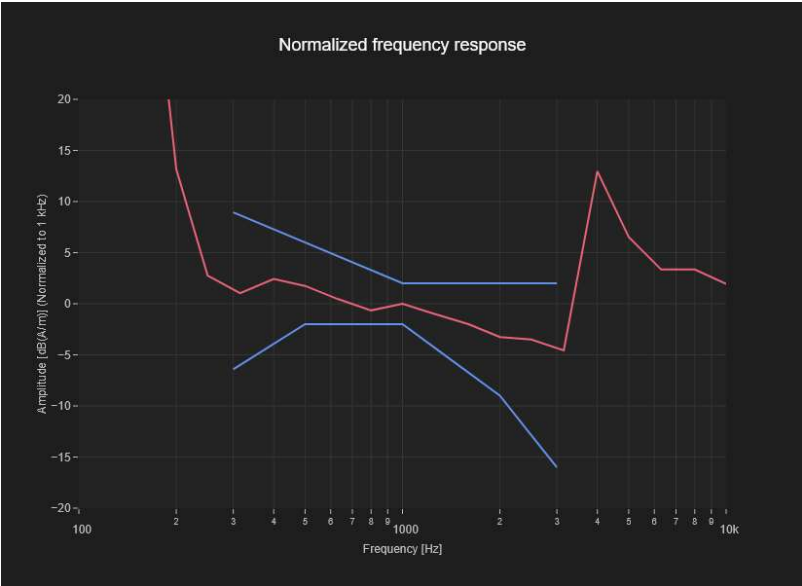
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	2.0	-12.63	7.7	(12.0, -8.0)

Frequency Response Results

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



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
327	549	26	26



T-Coil Signal Test Report

Measurement performed on November 25, 2025 at 16:41

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 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

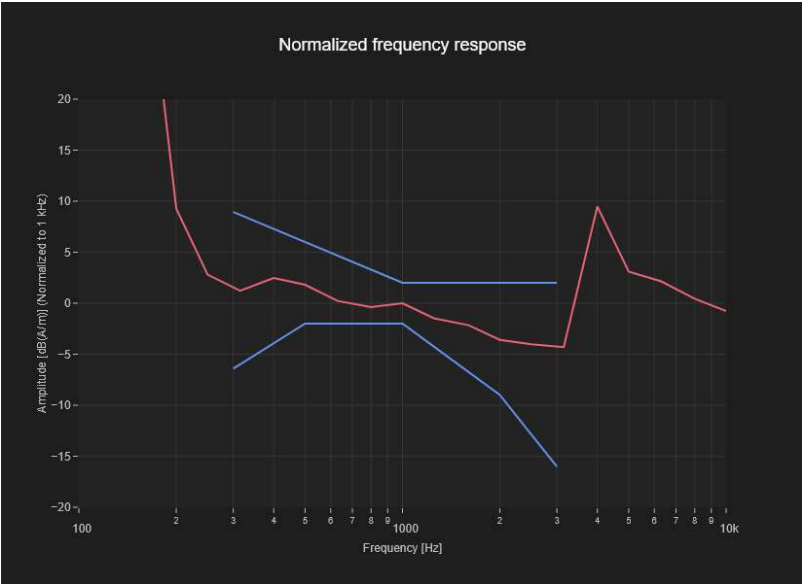
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	4.69	(11.0, -7.0)

Frequency Response 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



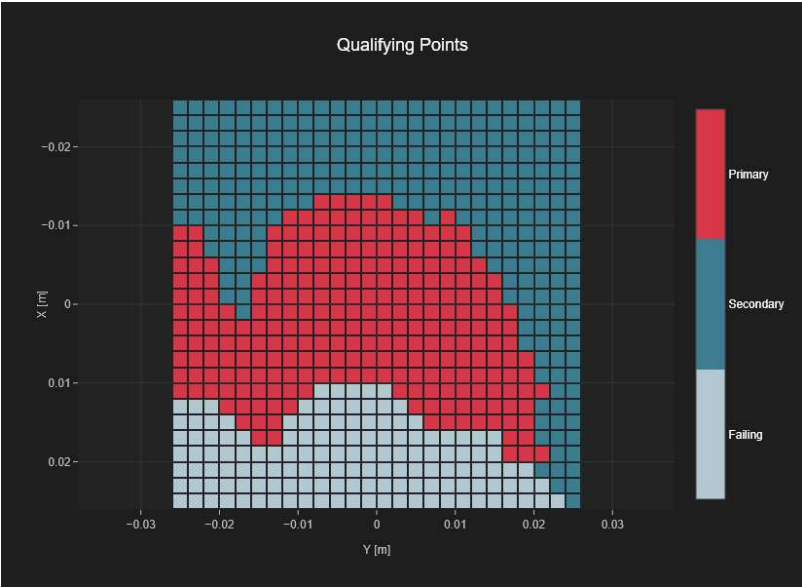
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
260	536	26	26



T-Coil Signal Test Report

Measurement performed on November 25, 2025 at 15:49

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

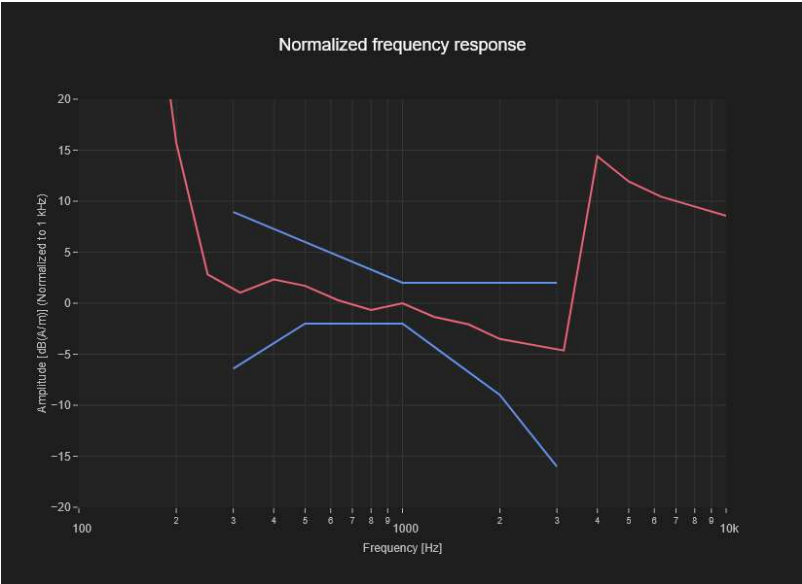
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	4.77	(14.0, -6.0)

Frequency Response Results

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



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
106	346	18	26



T-Coil Signal Test Report

Measurement performed on November 25, 2025 at 17:53

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n25	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	376520	1882.6

Grid Settings

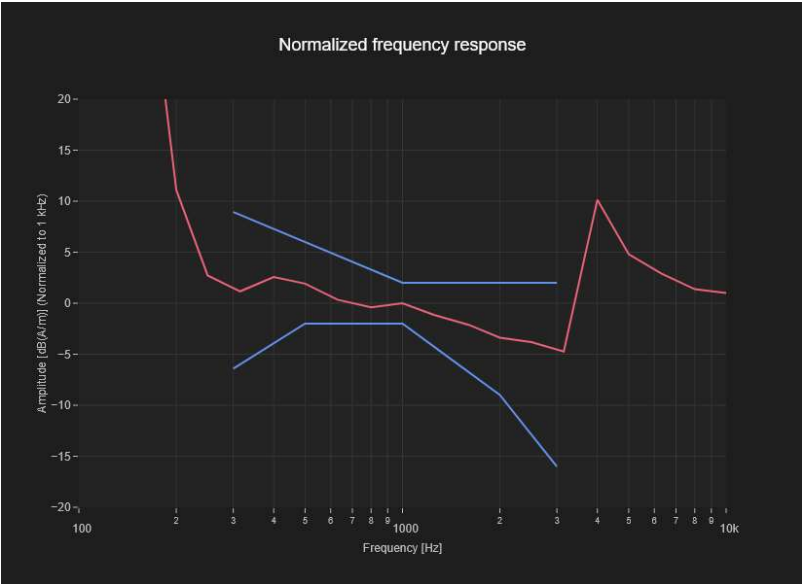
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	5.1	(11.0, -7.0)

Frequency Response 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



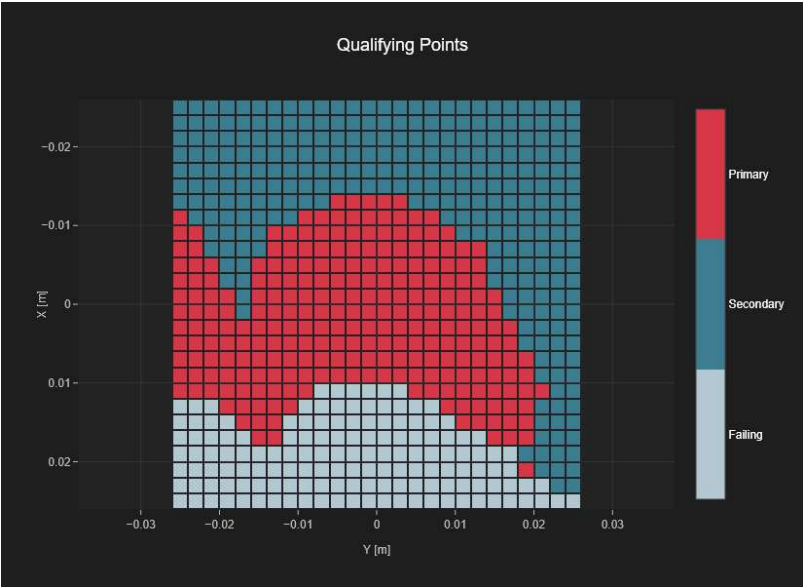
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
254	531	25	26



T-Coil Signal Test Report

Measurement performed on November 25, 2025 at 13:58

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	7.38	(10.0, -6.0)

Frequency Response Results

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.75



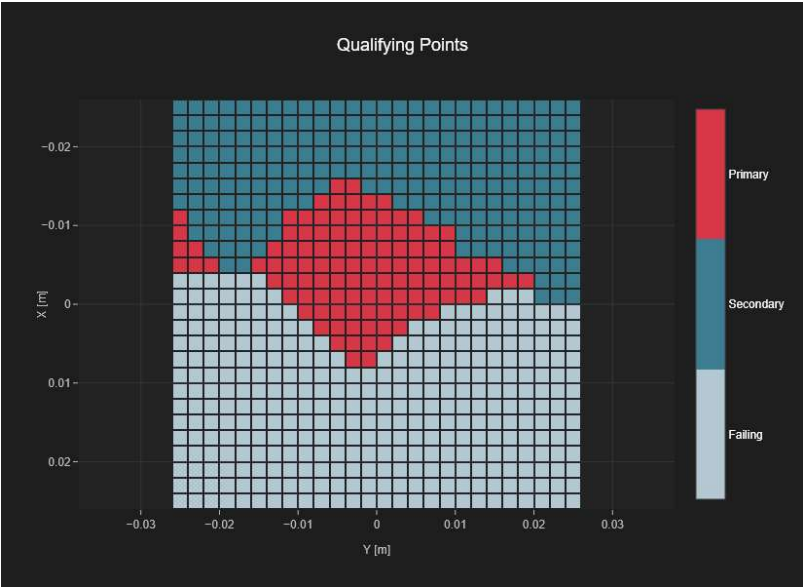
T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
113	343	17	26



T-Coil Signal Test Report

Measurement performed on November 25, 2025 at 19:21

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

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

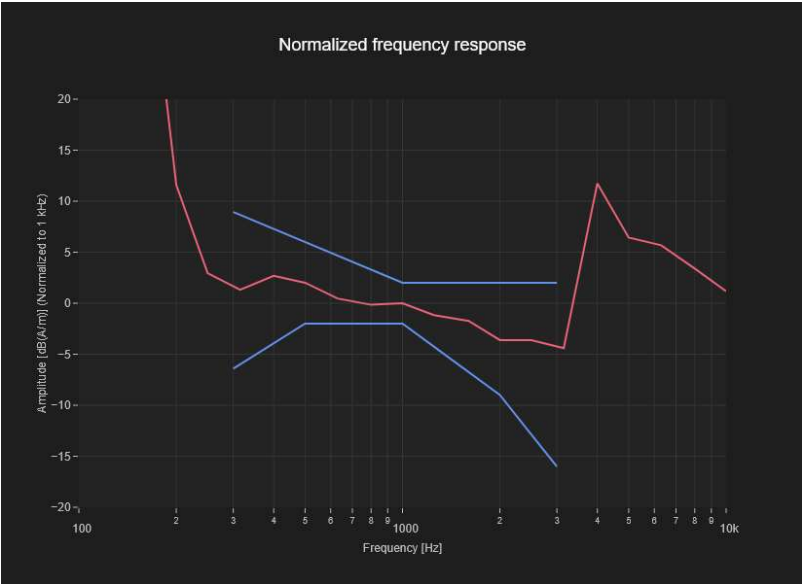
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	5.32	(13.0, -8.0)

Frequency Response Results

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



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
180	437	18	26



T-Coil Signal Test Report

Measurement performed on November 25, 2025 at 20:46

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Hardware Setup

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3137	July 10, 2025	DAE4ip Sn1668	September 17, 2025

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	36	5180.0

Grid Settings

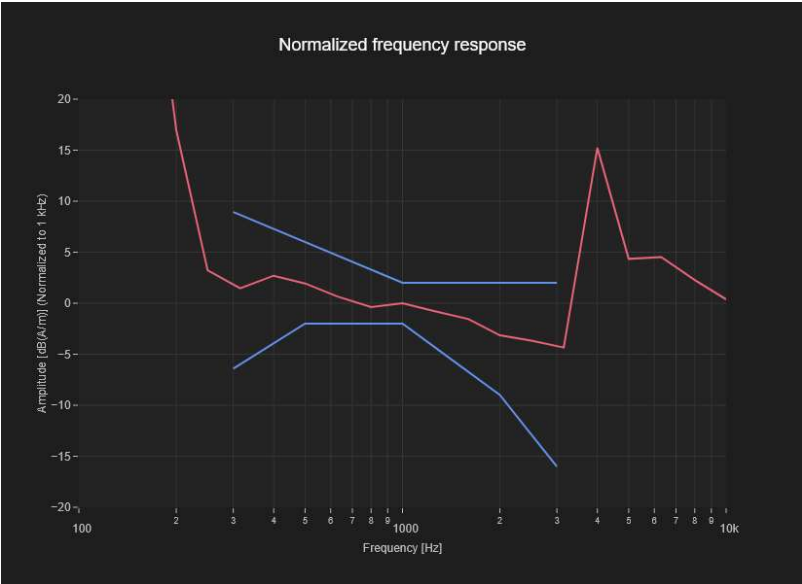
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Signal Results

Audio File	Measurement Duration [s]	Gain [dB]	Hmax [dB(A/m)]	Hmax location [mm]
48k_voice_1kHz_1s.wav	1.0	-12.62	4.49	(11.0, -9.0)

Frequency Response Results

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300-3000_2s.wav	2.0	2.0	1.62



T-Coil Coupling Mode Test Report

Device Under Test

Manufacturer	Model
Samsung Electronics	SM-S947U

Results

Primary Group Point Count	Secondary Group Point Count	Secondary Group Max Longitudinal	Secondary Group Max Transverse
237	495	21	26

