# T-Coil Signal Test Report: UMTS-FDD (WCDMA, AMR)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

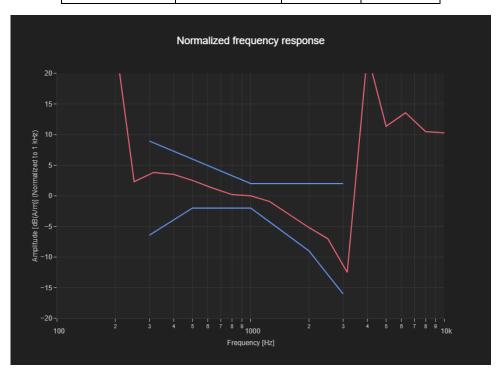
**Communication Systems** 

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

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
118	507	24	



Date/Time: July 21, 2024 at 02:10

# T-Coil Signal Test Report: UMTS-FDD (WCDMA, AMR)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

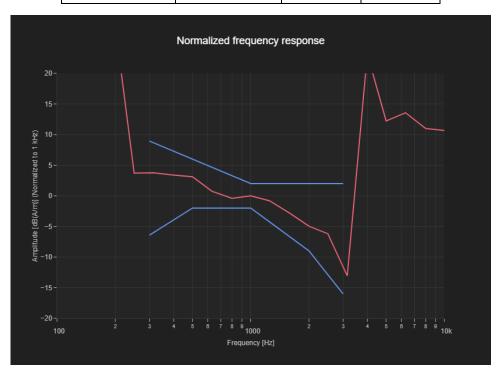
**Communication Systems** 

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

**Grid Settings** 

			<i>j</i> -	
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300- 3000_2s.wav	2.0	2.0	1.59



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
120	509	24	



# T-Coil Signal Test Report: EDGE-FDD (TDMA, 8PSK, TN 0-1)

Date/Time: July 24, 2024 at 09:14

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

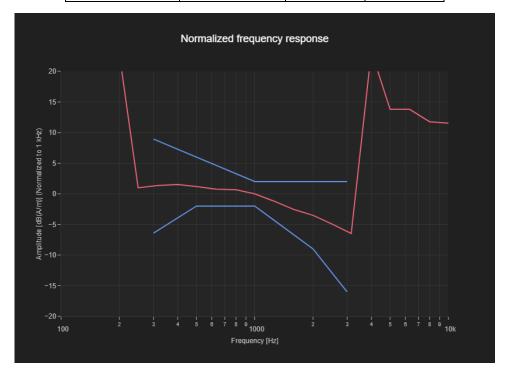
**Communication Systems** 

		,	
Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	EDGE-FDD (TDMA, 8PSK, TN 0-1)	190	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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
80	407	23	26



#### Date/Time: July 24, 2024 at 08:45

# T-Coil Signal Test Report: EDGE-FDD (TDMA, 8PSK, TN 0-1)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

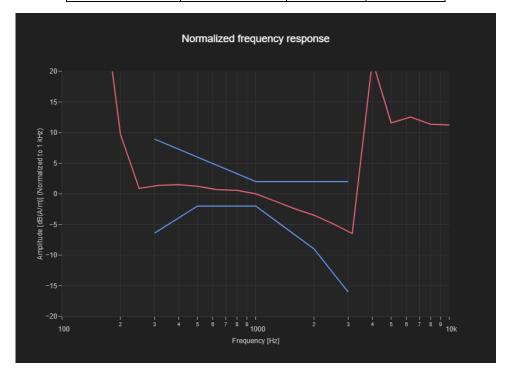
**Communication Systems** 

		,	
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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
91	463	23	26



# T-Coil Signal Test Report: UMTS-FDD (HSPA+)

Date/Time: July 24, 2024 at 07:11

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

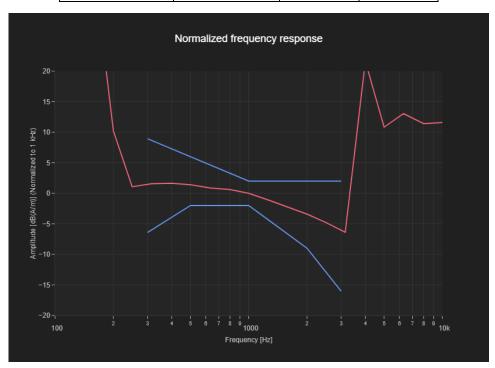
**Communication Systems** 

	· · · · · · · · · · · · · · · · · · ·		
Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 2, UTRA/FDD	UMTS-FDD (HSPA+)	9400	1880.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
111	520	26	



#### Date/Time: July 22, 2024 at 17:48

# T-Coil Signal Test Report: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Tial arrait o octup				
Probe Name	Date		DAE Calibration Date	
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023	

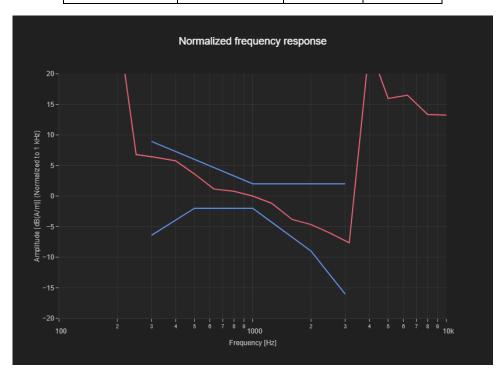
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 41 PC3, E-UTRA/TDD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	40620	2593.0

**Grid Settings** 

Extent X	Extent Y	Step X	Step Y	Distance
[mm]	[mm]	[mm]	[mm]	[mm]
52.0	52.0	6.0	6.0	

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
93	450	22	



# T-Coil Signal Test Report: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)

Date/Time: July 22, 2024 at 22:49

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

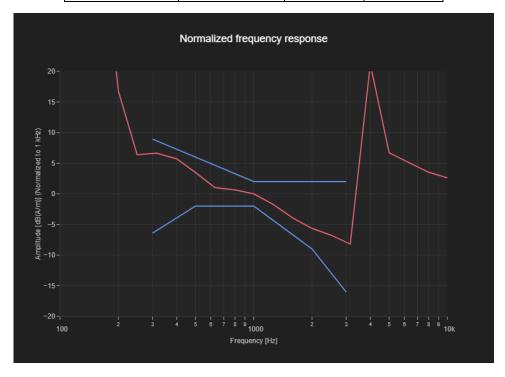
**Communication Systems** 

Band Name	d Name Communication Systems Name		Frequency [MHz]
Band 41 PC2, E-UTRA/TDD	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

Audio File	Measurement Duration [s]	Margin Upper Bound [dB]	Margin Lower Bound [dB]
48k_voice_300- 3000_2s.wav	2.0	1.57	2.0



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
94	510	26	26



# **Date/Time:** July 22, 2024 at 23:16

# T-Coil Signal Test Report: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Tial attail o Cotap			
Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

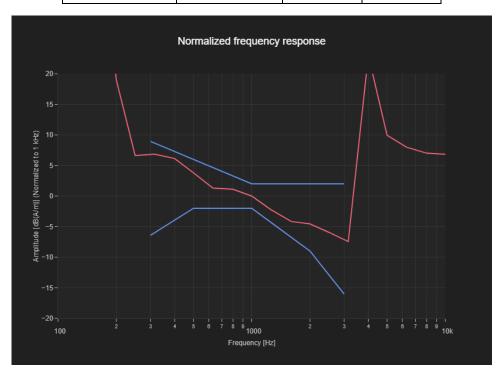
**Communication Systems** 

Band Name		Communication Systems Name	Channel	Frequency [MHz]
	d 48 PC3, TRA/TDD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	55990	3625.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
80	496	26	



# **Date/Time:** July 22, 2024 at 23:45

# T-Coil Signal Test Report: LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

_	Tial attail o ootup				
	Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date	
	AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023	

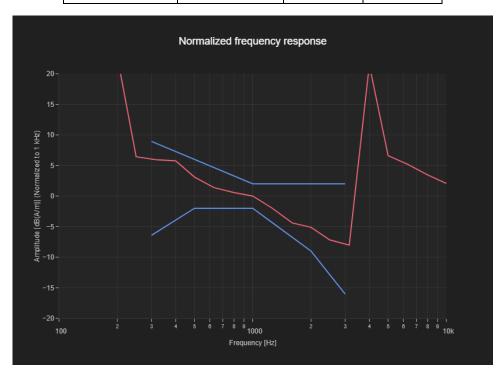
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 53 PC3, E-UTRA/TDD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	60197	2489.2

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
95	514	26	26



# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

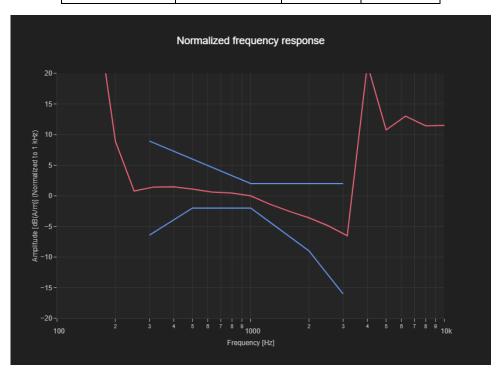
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 7, E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	21100	2535.0

**Grid Settings** 

		<i>j</i> -		
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
52.0	52.0	4.0	4.0	10.0

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
109	509	25	



# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)

# **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

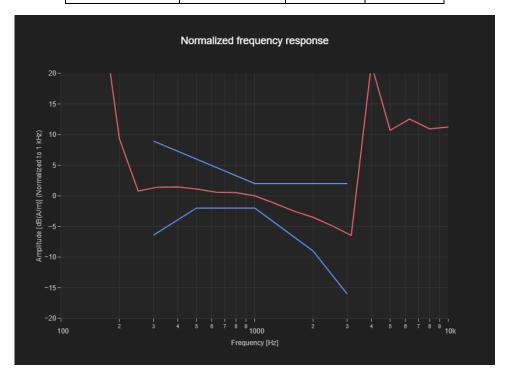
**Communication Systems** 

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Band Name	Communication Systems Name	Channel	Frequency [MHz]	
Band 12, E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	23095	707.5	

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
108	511	26	26



# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

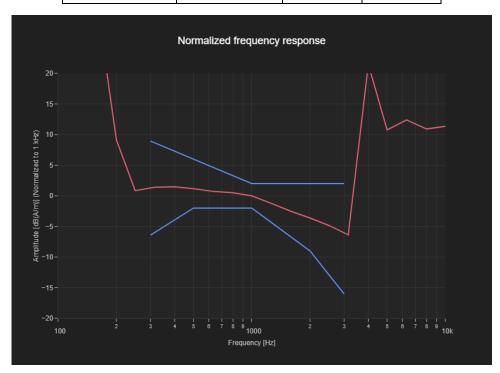
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]	
Band 13, E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	23230	782.0	

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
112	512	25	



# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)

Date/Time: July 24, 2024 at 12:58

# **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

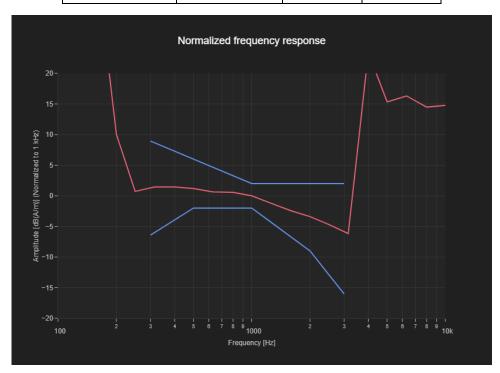
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 25, E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	26365	1882.5

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
108	513	25	



# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

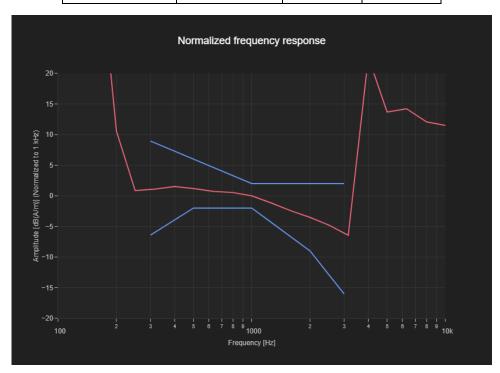
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 26 E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	26865	831.5

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
111	514	26	



# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)

# **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

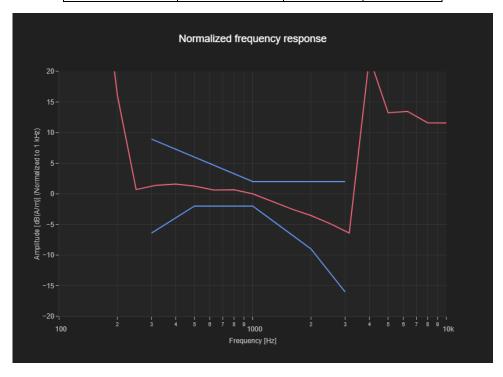
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 30, E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	27710	2310.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
113	516	26	



#### Date/Time: July 24, 2024 at 13:27

# T-Coil Signal Test Report: LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)

# **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

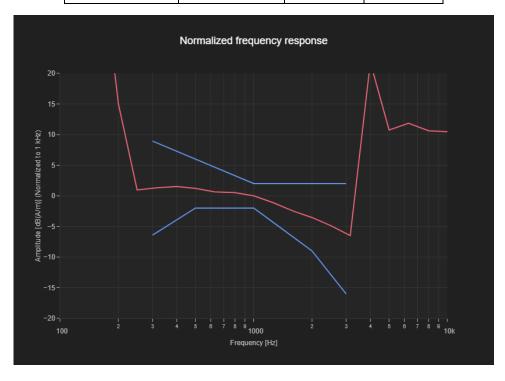
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band 66, E- UTRA/FDD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	132322	1745.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
112	503	23	



# T-Coil Signal Test Report: 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, $\pi/2$ BPSK, 15 kHz)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

_	- Harawaro Cotap				
	Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date	
	AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023	

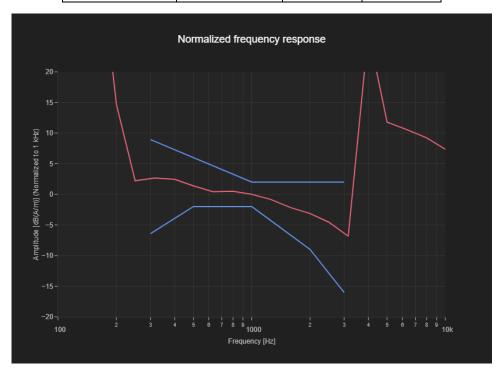
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n30	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, π/2 BPSK, 15 kHz)	462000	2310.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
92	486	24	



# T-Coil Signal Test Report: 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, $\pi/2$ BPSK, 30 kHz)

## **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

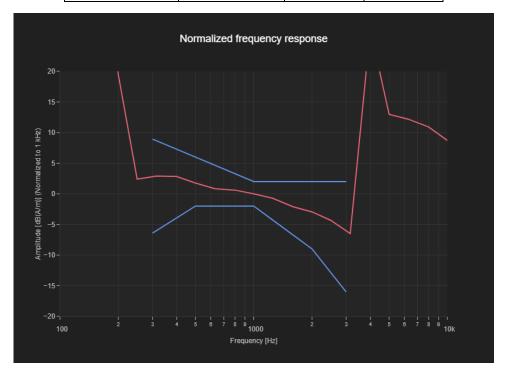
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n41 PC3	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, π/2 BPSK, 30 kHz)	518598	2592.99

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
83	483	26	



## T-Coil Signal Test Report: 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, $\pi/2$ BPSK, 30 kHz)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

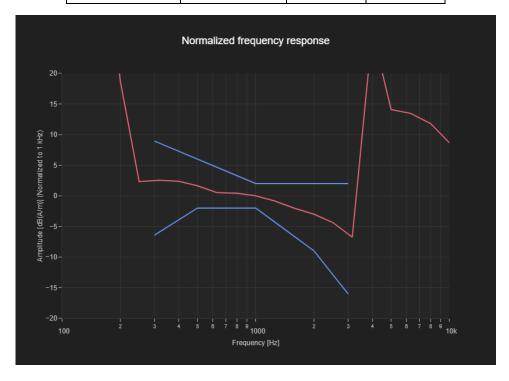
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n41 PC2	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, π/2 BPSK, 30 kHz)	518598	2592.99

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
77	445	21	26



## T-Coil Signal Test Report: 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, $\pi/2$ BPSK, 30 kHz)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

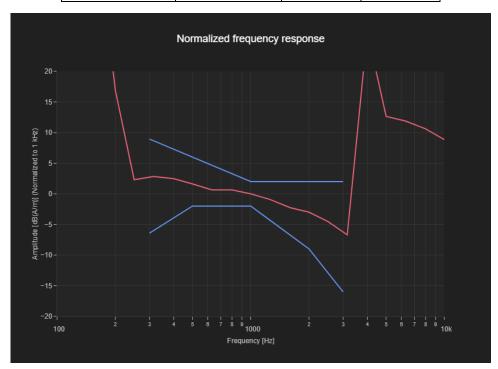
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n77 PC2	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, π/2 BPSK, 30 kHz)	633332	3499.98

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
81	481	26	26



## T-Coil Signal Test Report: 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, π/2 BPSK, 15 kHz)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Tidraware Octup			
Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023

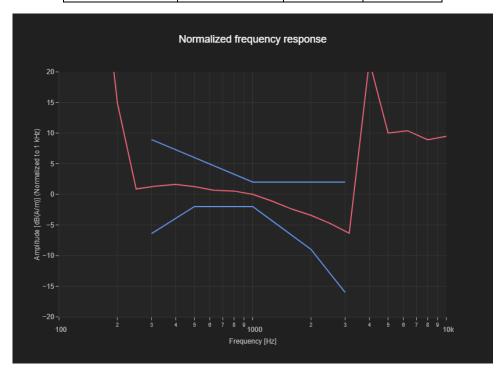
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n25	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, π/2 BPSK, 15 kHz)	376500	1882.5

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
81	450	22	26



## T-Coil Signal Test Report: 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, $\pi/2$ BPSK, 15 kHz)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Tial attail o ootap				
Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date	
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023	

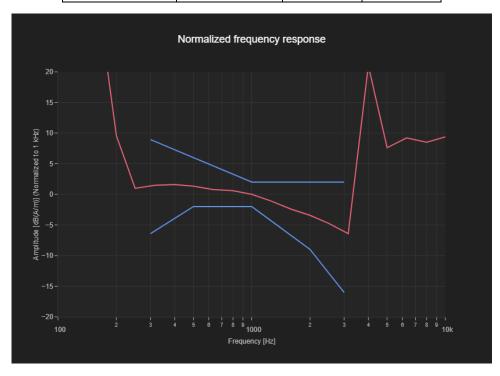
**Communication Systems** 

Band Name	Communication Systems Name	Channel	Frequency [MHz]
Band n26	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, π/2 BPSK, 15 kHz)	166300	831.5

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
83	458	22	



# T-Coil Signal Test Report: IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)

### **Device Under Test**

Ma	anufacturer	Model	Dimensions [mm]	Speaker Position [mm]
			146.2 x 71.8 x 7.5	144.3

Hardware Setup

- inaramare consp				
Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date	
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023	

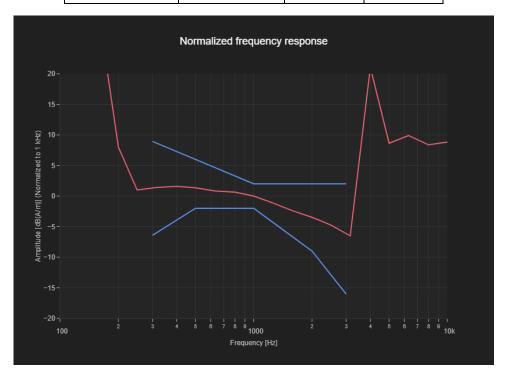
**Communication Systems** 

Band	Communication Systems	Channel	Frequency
Name	Name		[MHz]
WLAN 2.4GHz	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	6	2437.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
140	555	26	26



# T-Coil Signal Test Report: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)

#### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

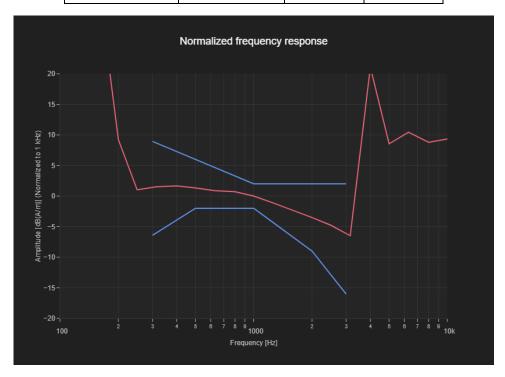
**Communication Systems** 

Band	Communication Systems	Channel	Frequency
Name	Name		[MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	36	5180.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
144	558	26	



# T-Coil Signal Test Report: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date		
AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023		

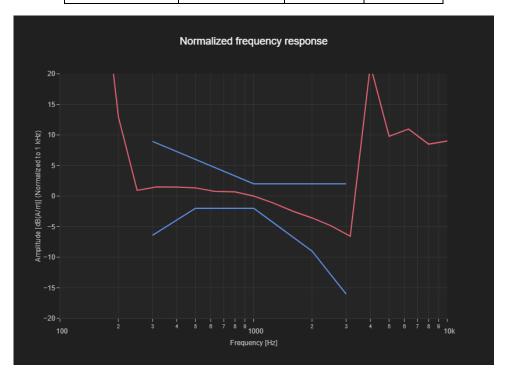
**Communication Systems** 

	<i></i>		
Band Communication Systems Name Name		Channel	Frequency [MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	52	5260.0

**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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
138	552	26	26



#### **Date/Time:** July 25, 2024 at 00:03

# T-Coil Signal Test Report: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

-	Tidi dirai o Gotap				
	Probe Name	Probe Calibration Date	DAE Name	DAE Calibration Date	
	AM1DV3 - 3083	January 08, 2024	DAE4 Sn1352	November 15, 2023	

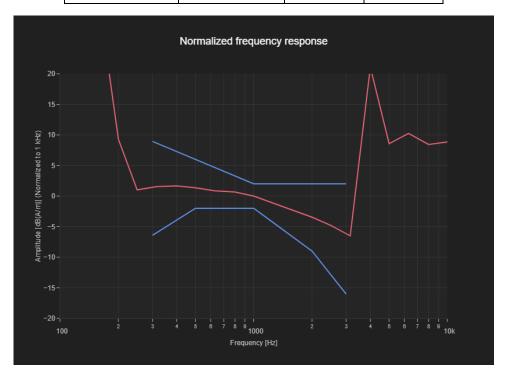
**Communication Systems** 

Band	Communication Systems	Channel	Frequency
Name	Name		[MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	100	5500.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
144	558	26	



# T-Coil Signal Test Report: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)

### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration DAE Nan		DAE Calibration Date
AM1DV3 -	January 08, 2024	DAE4	November 15,
3083		Sn1352	2023

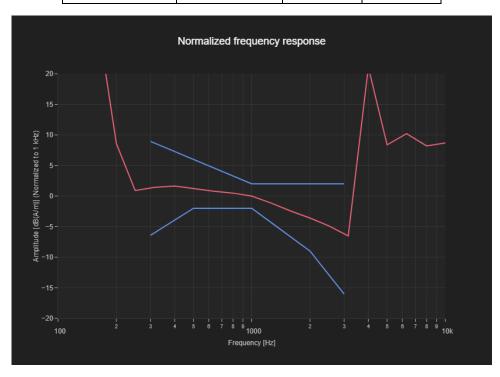
**Communication Systems** 

Band	Communication Systems	Channel	Frequency
Name	Name		[MHz]
WLAN 5GHz	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	149	5745.0

**Grid Settings** 

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

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
142	554	26	



## T-Coil Signal Test Report: IEEE 802.11a/h (OFDM, 6 Mbps, 99pc duty cycle)

#### **Device Under Test**

Manufacturer	Model	Dimensions [mm]	Speaker Position [mm]
		146.2 x 71.8 x 7.5	144.3

**Hardware Setup** 

Probe Name	Probe Calibration Date	DAF Name		DAE Calibration Date
AM1DV3 - 3083	January 08, 2024	DA Sn1:		November 15, 2023

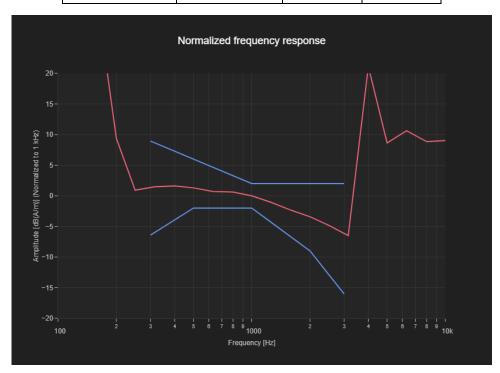
**Communication Systems** 

_			
Band Name	Communication Systems Name	Channel	Frequency [MHz]
U-NII-5	IEEE 802.11a/h (OFDM, 6 Mbps, 99pc duty cycle)	1	5955.0

**Grid Settings** 

2113 20131192					
Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]	
52.0	52.0	4.0	4.0	10.0	

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



Primary Group	Secondary	Secondary	Secondary
Contiguous	Group Point	Group Max	Group Max
Point Count	Count	Longitudinal	Transverse
145	557	26	

