



KW218 ANT report



Date: 2024.07.24





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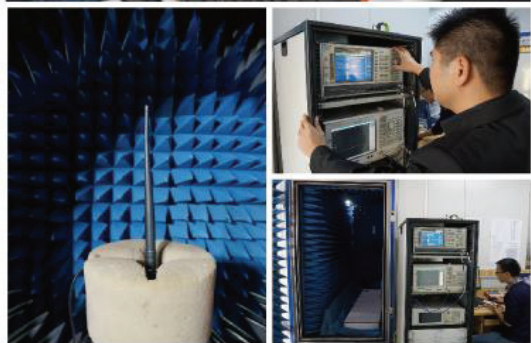
Planning summary

project outline



Basic information

【SATIMO】



【广屏】



- SATIMO, Agilent E5071C, Anristu MT8820C, CMW500, StarPointSP9500



Basic information:



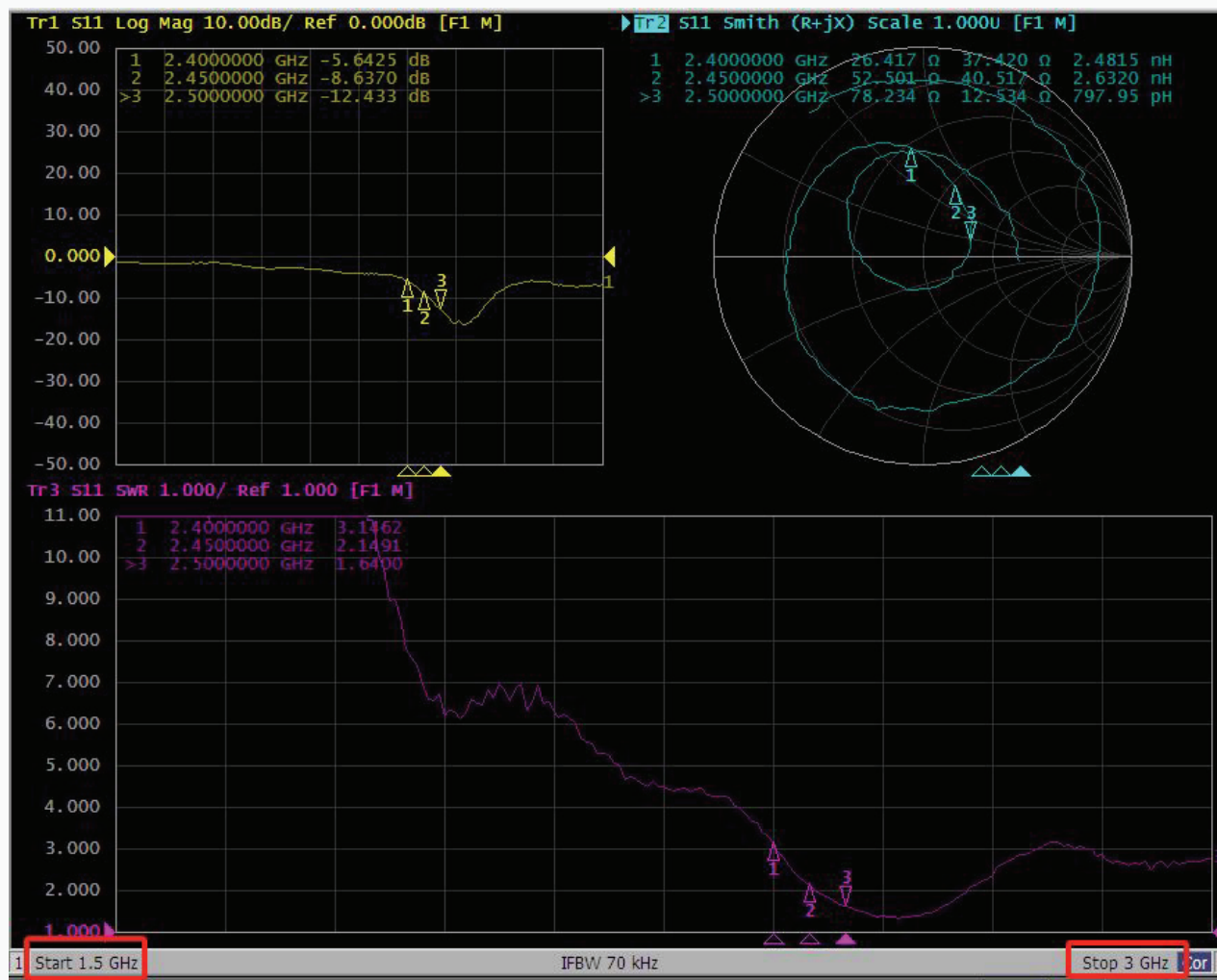
machinedata

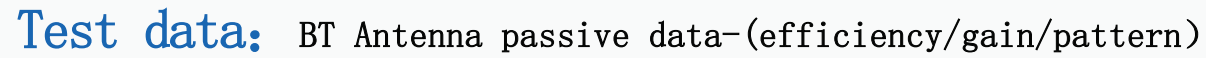
- Company name: Kingwear
- Model name: KW218BV
- Frequency information: BT



Test data

BT Antenna passive diagram- (SWR/LogMag/Smith)





The figure displays four subplots showing 1D views of antenna radiation patterns, likely generated using a software tool like SatEnv.

Top Left Plot: [31] 1D view / Theta=90.00deg
 This plot shows the radiation pattern for the E Total. dB component at Theta=90.00deg. The x-axis represents the angle in degrees (0 to 360), and the y-axis represents the gain in dB (0.00dB to 20.00dB). The plot shows a complex, multi-lobed radiation pattern. A legend indicates the frequency range from 2400.00(MHz) to 2500.00(MHz). The plot is labeled with dB, 0.52, and Phi.

Top Right Plot: [26] 1D view / Phi=0.00deg
 This plot shows the radiation pattern for the E Total. dB component at Phi=0.00deg. The x-axis represents the angle in degrees (0 to 360), and the y-axis represents the gain in dB (0.00dB to 20.00dB). The plot shows a complex, multi-lobed radiation pattern. A legend indicates the frequency range from 2400.00(MHz) to 2500.00(MHz). The plot is labeled with dB, 0.52, and Theta.

Bottom Left Plot: [28] 1D view / Phi=90.00deg
 This plot shows the radiation pattern for the E Total. dB component at Phi=90.00deg. The x-axis represents the angle in degrees (0 to 360), and the y-axis represents the gain in dB (0.00dB to 20.00dB). The plot shows a complex, multi-lobed radiation pattern. A legend indicates the frequency range from 2400.00(MHz) to 2500.00(MHz). The plot is labeled with dB, 0.52, and Theta.

Bottom Right Plot: SatEnv hierarchy
 This plot shows the SatEnv hierarchy, which is a tree structure representing the simulation setup. The hierarchy includes the following components:
 - [3] ART
 - [4] Measurement setup
 - [9] Macros
 - [10] Post processing_SatEnvZb23_allreq.txt
 - [11] SPM Post processing
 - [12] Project
 - [13] Security
 - [15] Import
 - [16] Macros
 - [17] folder
 - [18] Measurement
 - [19] NF to FF transform
 - [20] Q1Q2
 - [25] Phi=0.00deg
 - [26] Phi=0.00deg
 - [27] Phi=90.00deg
 - [28] Phi=90.00deg
 - [34] NF to FF transform Maximum
 - [35] NF to FF transform Maximum Maximum
 - [36] NF to FF transform Maximum Maximum
 - [29] NF to FF transform Expanded



Play the measured data of the call:

test mode	Wear the watch call hand to chest test, catch and disconnect back			
System type	IOS (iPhone XSMAX)		Android (HUAWEIMate 50Pro)	
indoor and outdoor	indoor	outdoor	indoor	outdoor
Connection distance	15-16m	13-14m	16-17m	14-15m





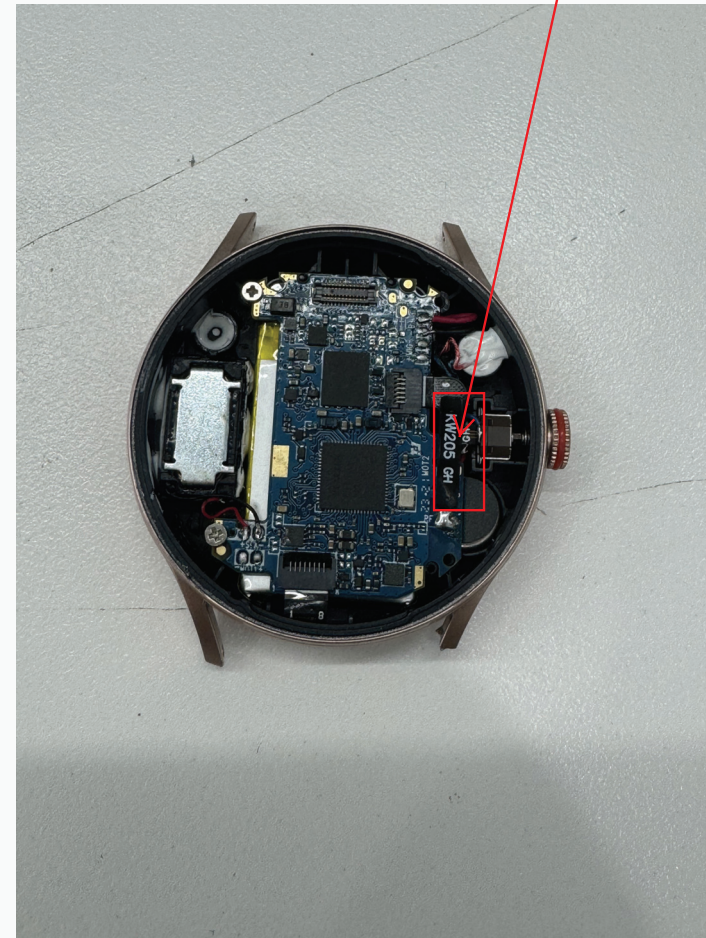
Play music measured data:

test mode	Wear the watch to play music and raise your hand to the chest to test, catch and disconnect back			
System type	IOS (iPhone XSMAX)		Android (HUAWEIMate 50Pro)	
indoor and outdoor	indoor	outdoor	indoor	outdoor
Connection distance	17-18m	15-16m	18-20m	16-17m





Antenna position



ANT



Planning summary

The above report is the KW105PROG customer supply machine, passive test report. No changes to the original machine environment processing, no changes to matching, no changes to the original machine layout.

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