



RMT Series

Handheld Spectrum Analyzer

RMT714A (5KHZ-4.5GHZ)

RMT716A (5KHZ-6.32GHZ)

RMT717A (5KHZ-7.5GHZ)

RMT719A (5KHZ-9GHZ)

RMT720A (5KHZ-20GHZ)

RMT740A (5KHZ-40GHZ)





POWERFUL ANALYTICS

Four powerful analysis functions

DISTURB ANALYZE

WATERFALL MAPPING

AFTERGLOW SPECTRUM

SIGNAL DIRECTION FINDING

FOUR-WINDOW INTERFERENCE CHECK

TROUBLESHOOTING TDD SYSTEM INTERFERENCE

DECIMAL LOCATION

BASE STATION ANALYZE

5GNR

TDD-LTE

FDD-LTE

WCDMA

NB-IOT

GSM ETC

ROAD TEST COVER

INDOOR SIGNAL COVERAGE

OUTDOOR ROAD TEST

5G OUTDOOR ROAD TEST

4G OUTDOOR ROAD TEST

3G OUTDOOR ROAD TEST

2G OUTDOOR ROAD TEST

TEST ANALYZE

SPECTRAL SCANNING

FIELD STRENGTH MEASUREMENT

CHANNEL POWER

OCCUPIED BANDWIDTH

ADJACENT CHANNEL POWER

100MHZ REAL-TIME SPECTRUM

FIELD STRENGTH MEASUREMENT

HARMONIC DISTORTION

SPECTRUM EMISSION TEMPLATE

CARRIER-TO-NOISE RATIO

PHASE NOISE

AUDIO DEMODULATION

MORE USES THAN YOU THINK

MORE SCENARIOS, MORE APPLICATIONS, WAITING FOR YOU TO UNLOCK!



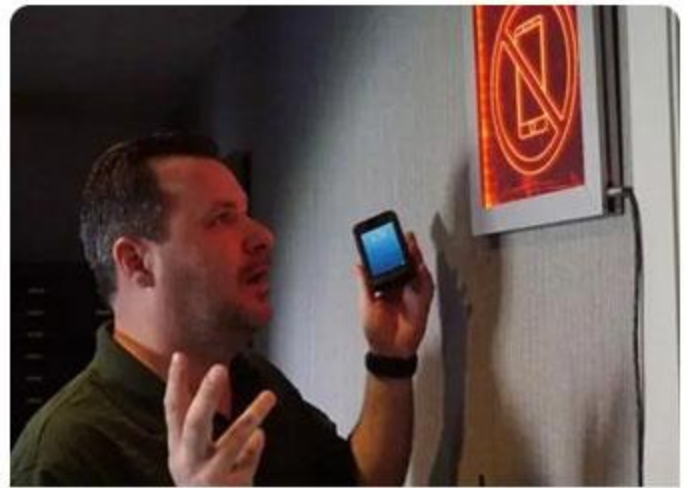
EQUIPMENT INTERFERENCE



ELECTROMAGNETIC
ENVIRONMENT DETECTION



INTERFERENCE QUERY



MASK TEST



SIGNAL DETECTION



SWEEP FREQUENCY CLEARING TEST

WIDELY USED

DAY/NIGHT MODE ENHANCED SCREEN DISPLAY

10.5-INCH TOUCH SCREEN TOUCH SCREEN CAN BE FULLY REDUCED UNDER
BRIGHT LIGHT SCREEN DISPLAY UNCLEAR NIGHT/DAY MODE IS MORE
FRIENDLY TO OUTDOOR WORKERS



WIDELY USED

OUTDOOR ROAD TEST FUNCTION

LOCATING BASE STATION INTERFERENCE SOURCES



SUPPORT 5G, 4G, 3G AND 2G OUTDOOR (INDOOR) ROAD TEST, AS WELL AS THE MAP POSITIONING OF BASE STATIONS AND INTERFERENCE SOURCES, THROUGH THE BUILT-IN GPS RECEIVER, IDENTIFY THE CELL ID, BEAM ID, SIGNAL POWER AND OTHER PARAMETERS OF EACH MEASUREMENT LOCATION



TFN RM716A Communication tester

TFN VSA

5G NR 小区 频谱

频点电平: -16.82 dBm, 频宽: 1.000000 GHz, 分辨率带宽: 1 MHz, 扫描速率: 9 dB, 扫描时间: 1.78 ms/3.13 ms, 扫描带宽: 1 MHz, 扫描模式: FFT

Y 轴增益: +1 GHz

M1: 999.999999 MHz, -17.87 dBm
M2: 1.000000 GHz, -26.55 dBm

Type	X-Value	Y-Value	Function	Function Result
M1	999.999999 MHz	-22.09 dBm	Occ. Bw	1.001487 MHz
M2	1.000001 GHz	-26.55 dBm	Occ. Bw Centroid	1.000000 GHz
			Occ. Bw Freq. Offset	0.000000 Hz

TFN 3024000 11-2024



PRODUCT INTERFACES MAKE TESTING EASY

USB

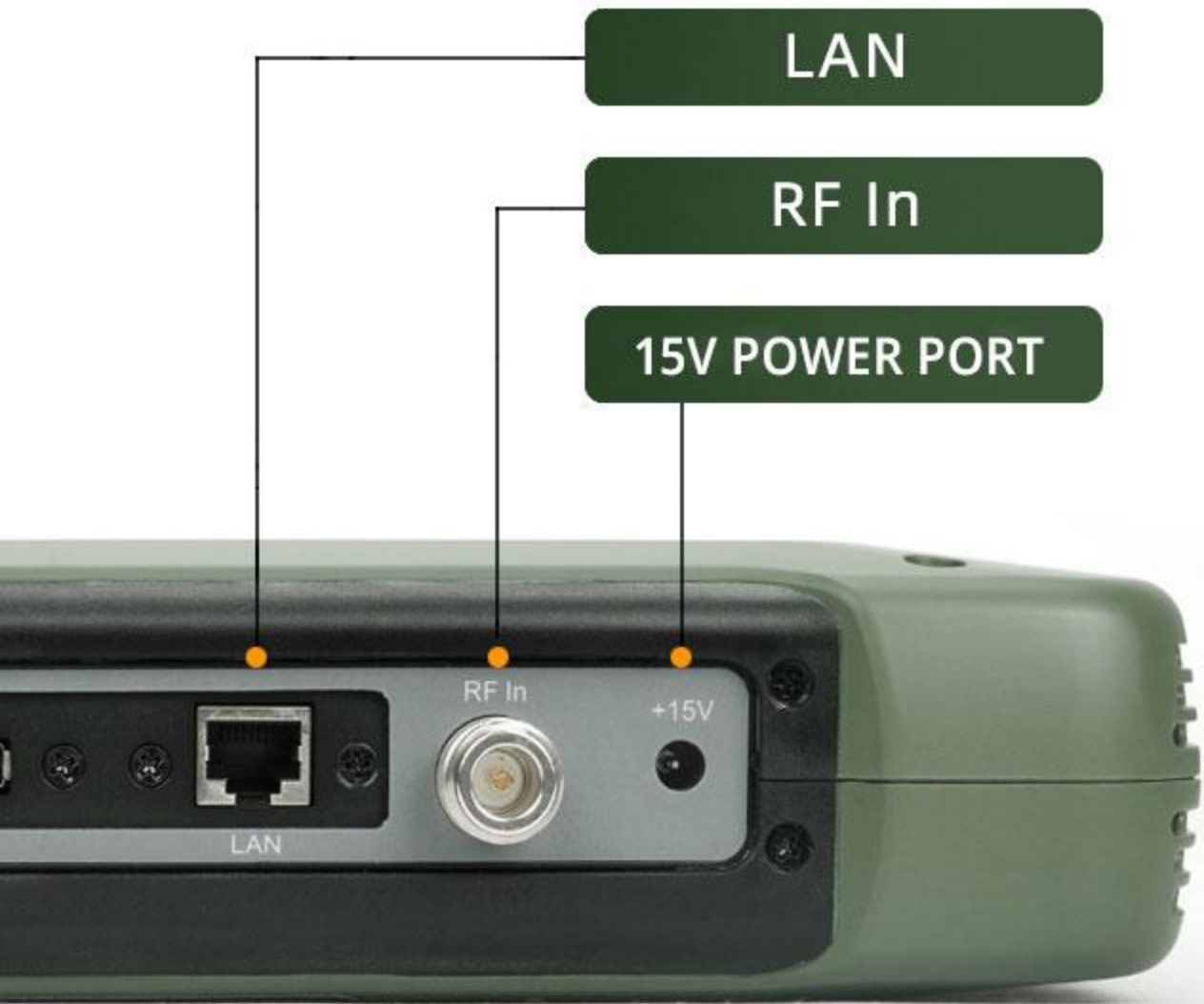
GPS

10MHz In

Trig In

POWER BUTTON





LAN

RF In

15V POWER PORT



LAN



RF In



+15V

DIRECTIONAL ANTENNA

COORDINATED DIRECTIONAL ANTENNA



INTERFERENCE/QUERY/TEST

THROUGH SPECTRUM TESTING, MULTIPLE MODES CAN BE USED TO DETECT
AND ANALYZE THE FREQUENCY BAND RMT SERIES SMALL SIZE, LIGHT
WEIGHT, FLEXIBLE POWER SUPPLY, SUPPORT CLOUD CONTROL, EXTREMELY
SUITABLE FOR FIELD BASE STATION TESTING AND DEPLOYMENT



INTERFERENCE SCREENING



SIGNAL DIRECTION FINDING



INTERFERENCE LOCATION



BASE STATION ANALYSIS



SPECTRAL SCANNING

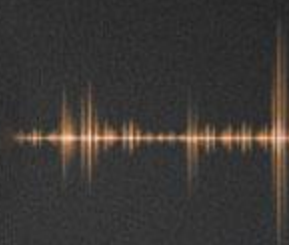




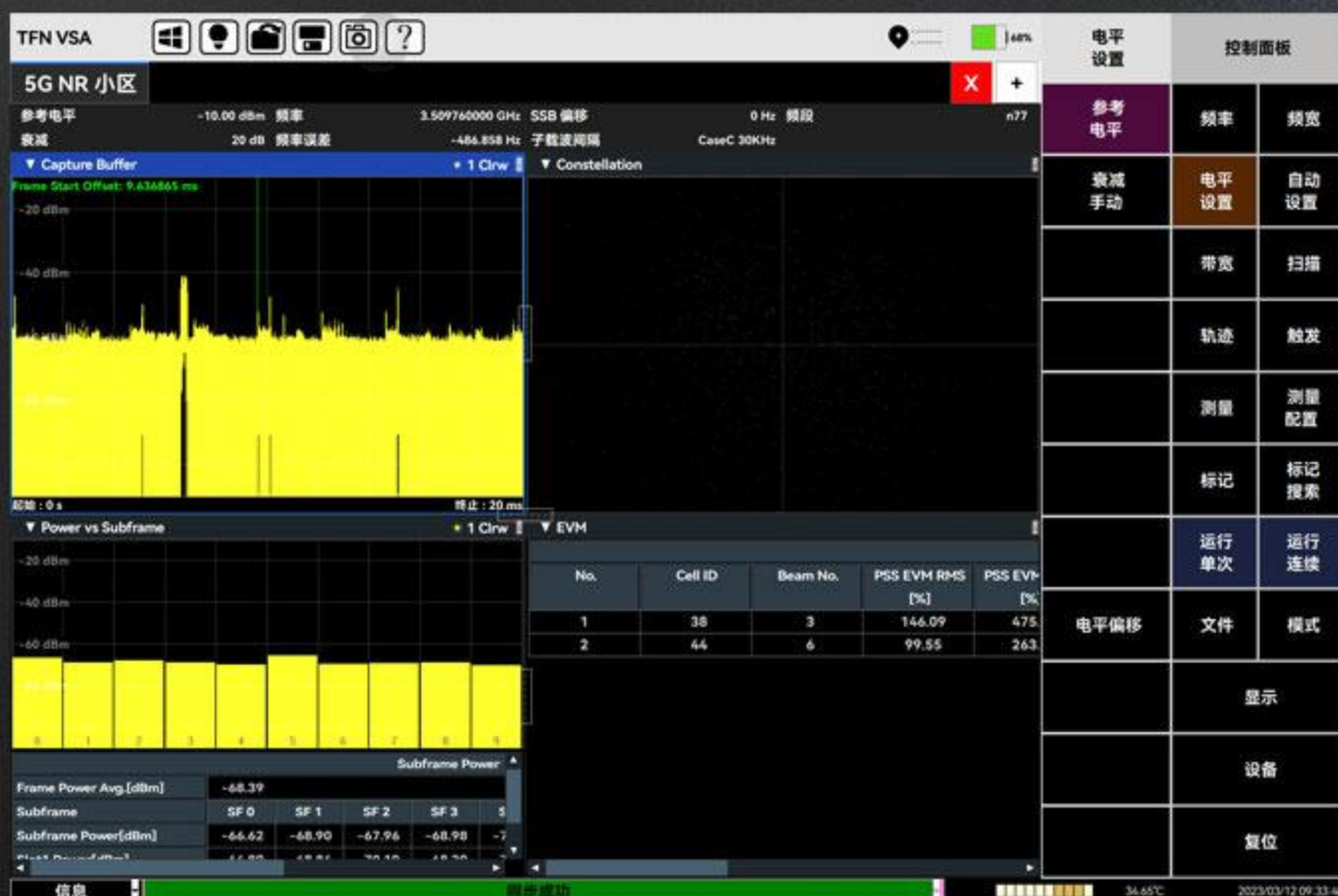
RMT communication tester is a handheld tester that integrates high-performance signal analysis modules and multi-standard analysis algorithm software. The newly launched platform meets the requirements of communication operators for mobile communication testing. It has higher test frequency, larger resolution bandwidth, faster scanning speed, lower receiving sensitivity, and rich interfaces. It also has interference analysis, wireless Signal direction finding and positioning, field strength test, 5G NR/TDD-LTE/FDD-LTE/NB-LTE/WCDMA/GSM signal analysis and other measurement functions

SPECTRUM FUNCTION

IMPROVE THE SPECTRUM FUNCTION



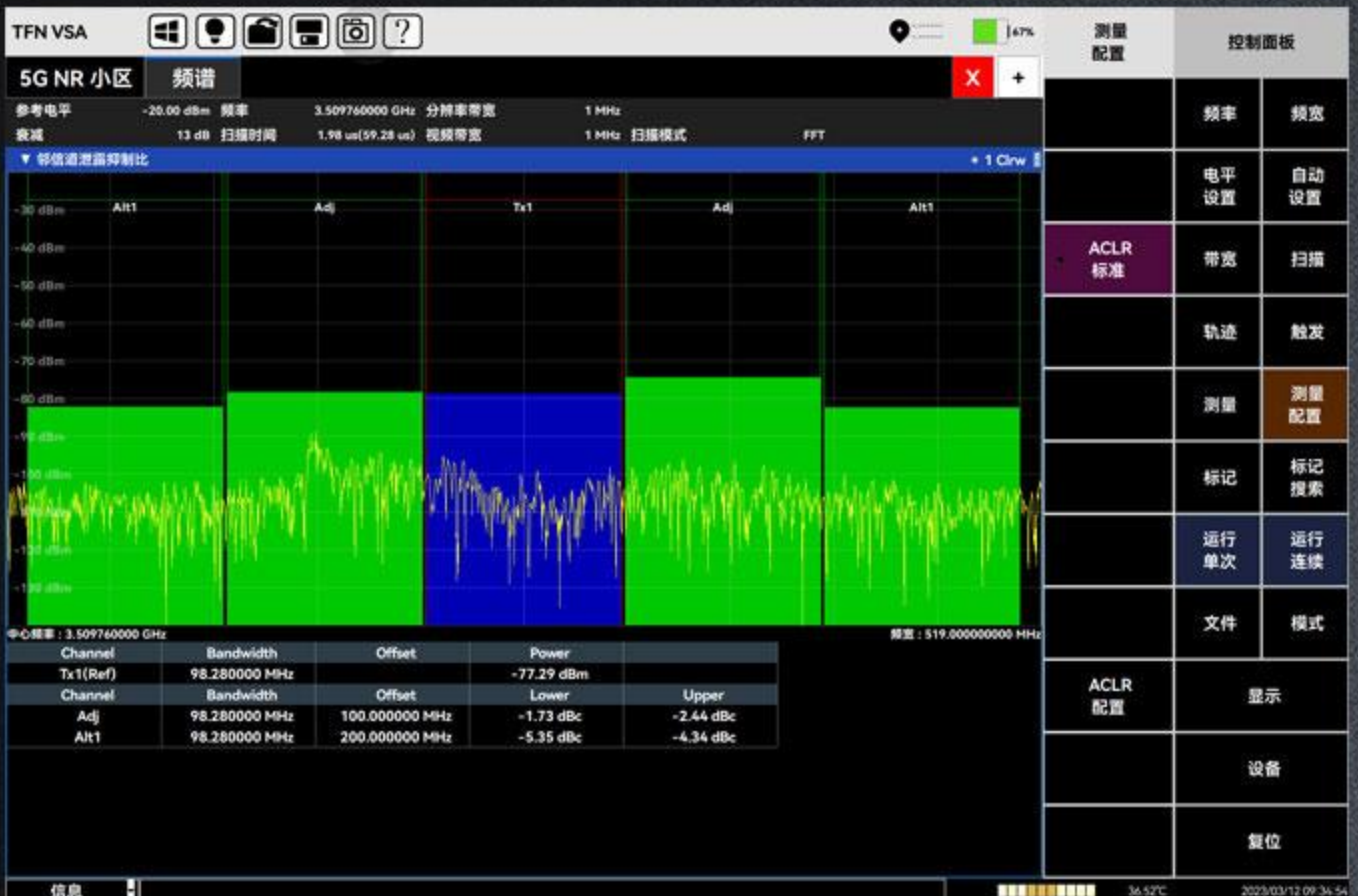
INTERFERENCE DETECTION, PROVIDING SPECTRUM ANALYSIS UNDER THE CORRESPONDING BANDWIDTH, DIRECTION ANGLE MONITORING, DIRECTIONAL POWER MONITORING AND DEMODULATION INDICATORS.



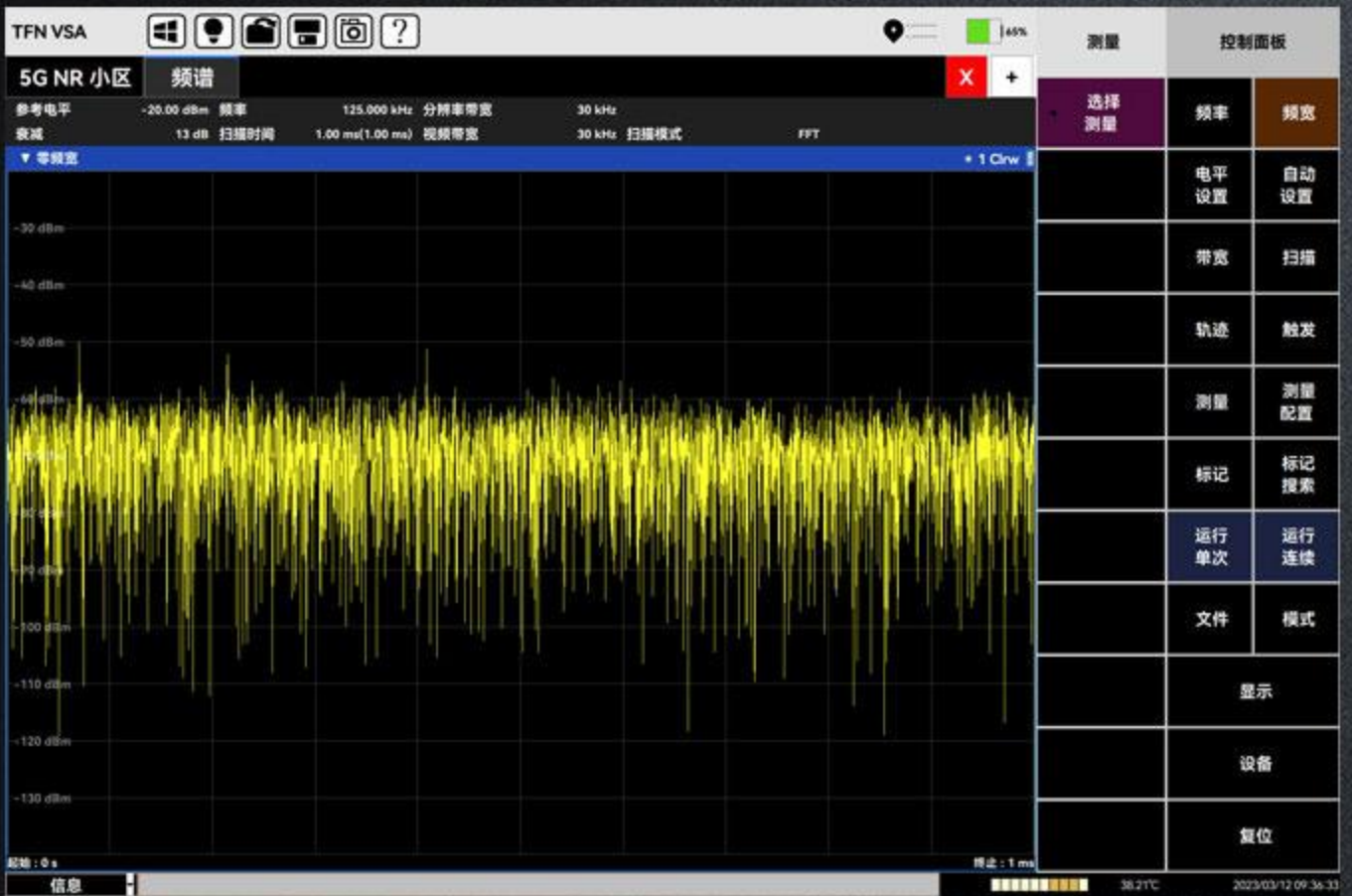
5G NR CELL



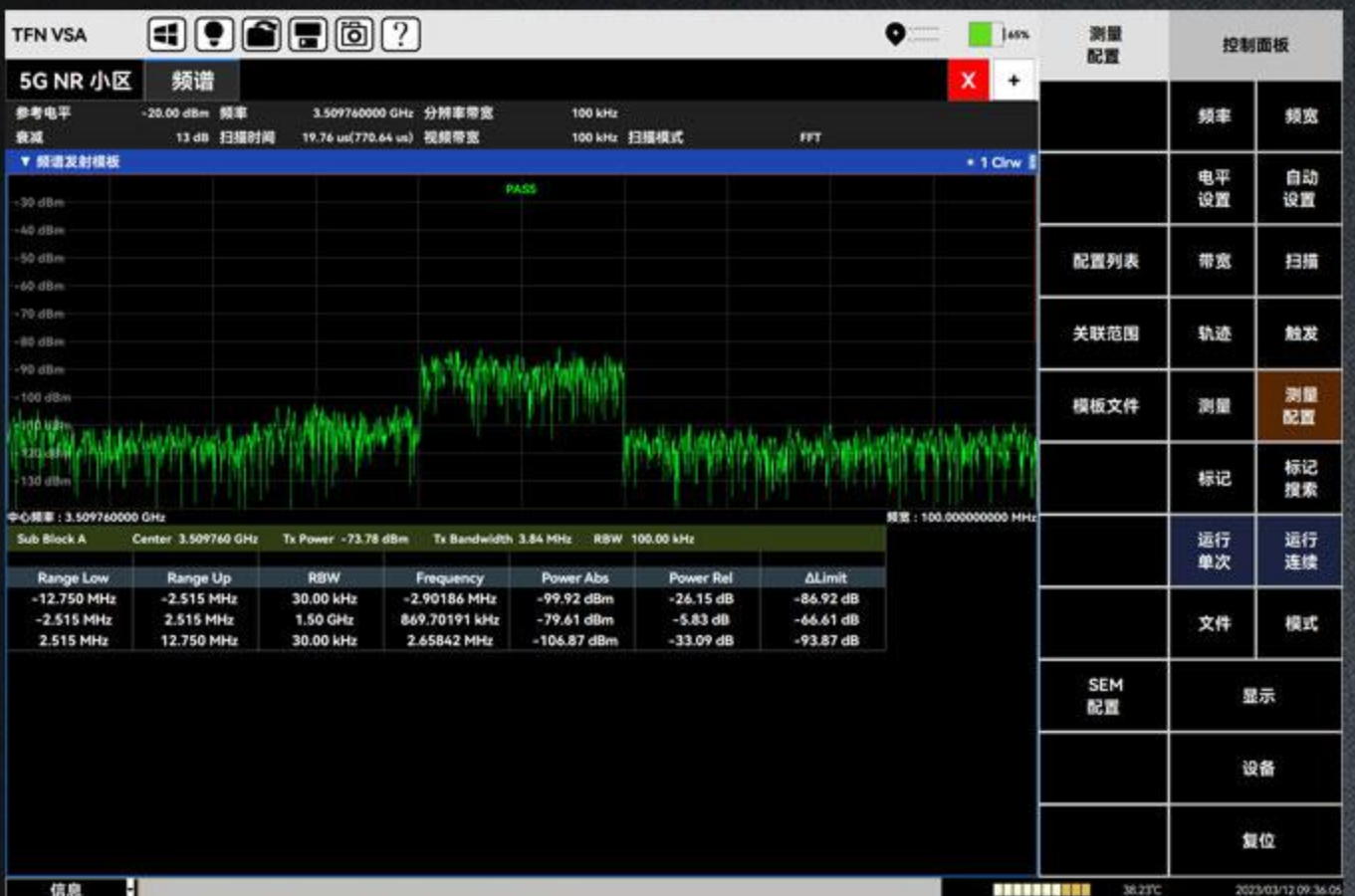
SPECTRUM - FIELD STRENGTH



SPECTRUM-ADJACENT CHANNEL LEAKAGE REJECTION RATIO



SPECTRUM - ZERO BANDWIDTH



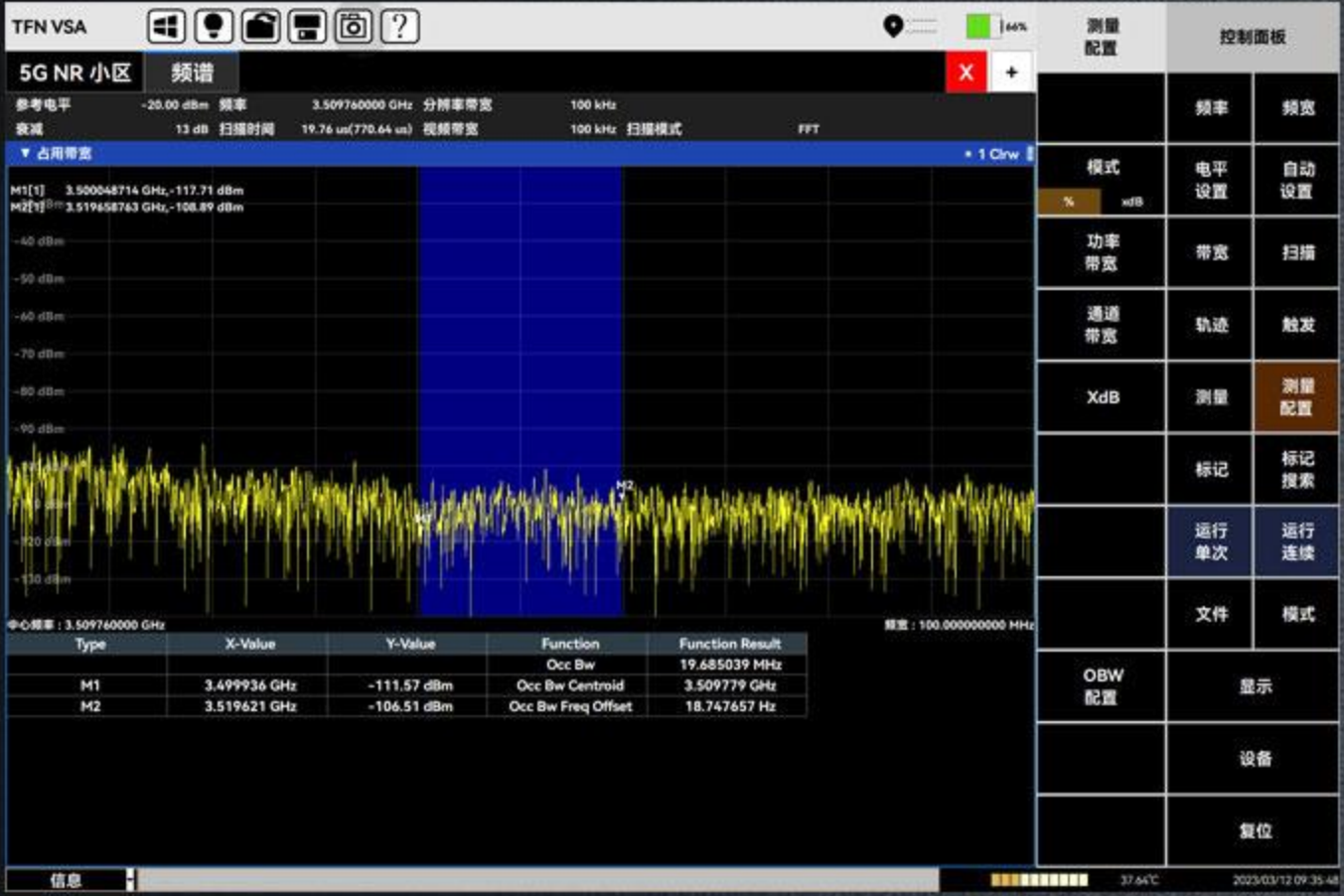
SPECTRUM-FREQUENCY EMISSION TEMPLATE



SPECTRUM - HARMONIC DISTORTION



SPECTRUM - CHANNEL POWER

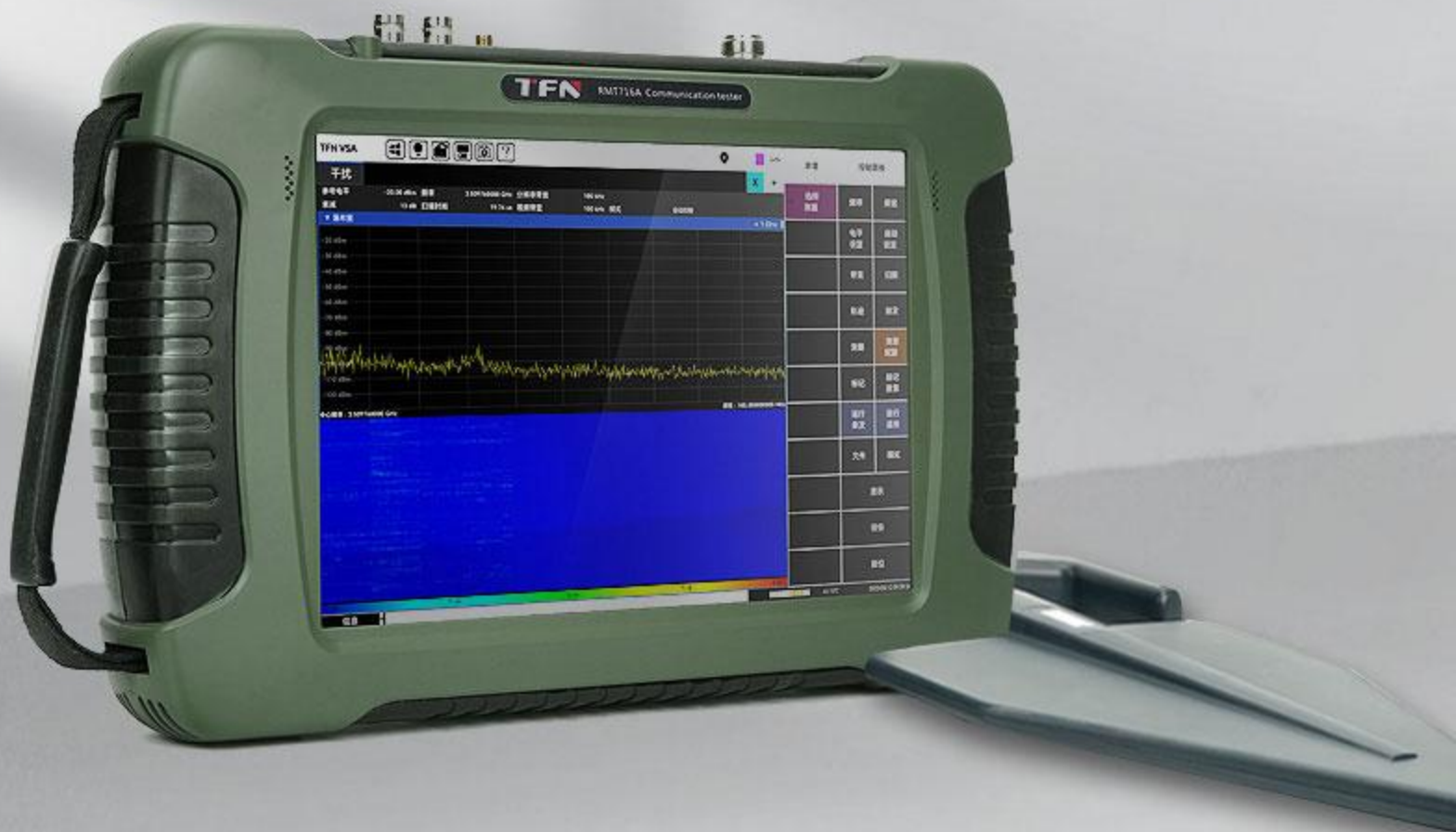


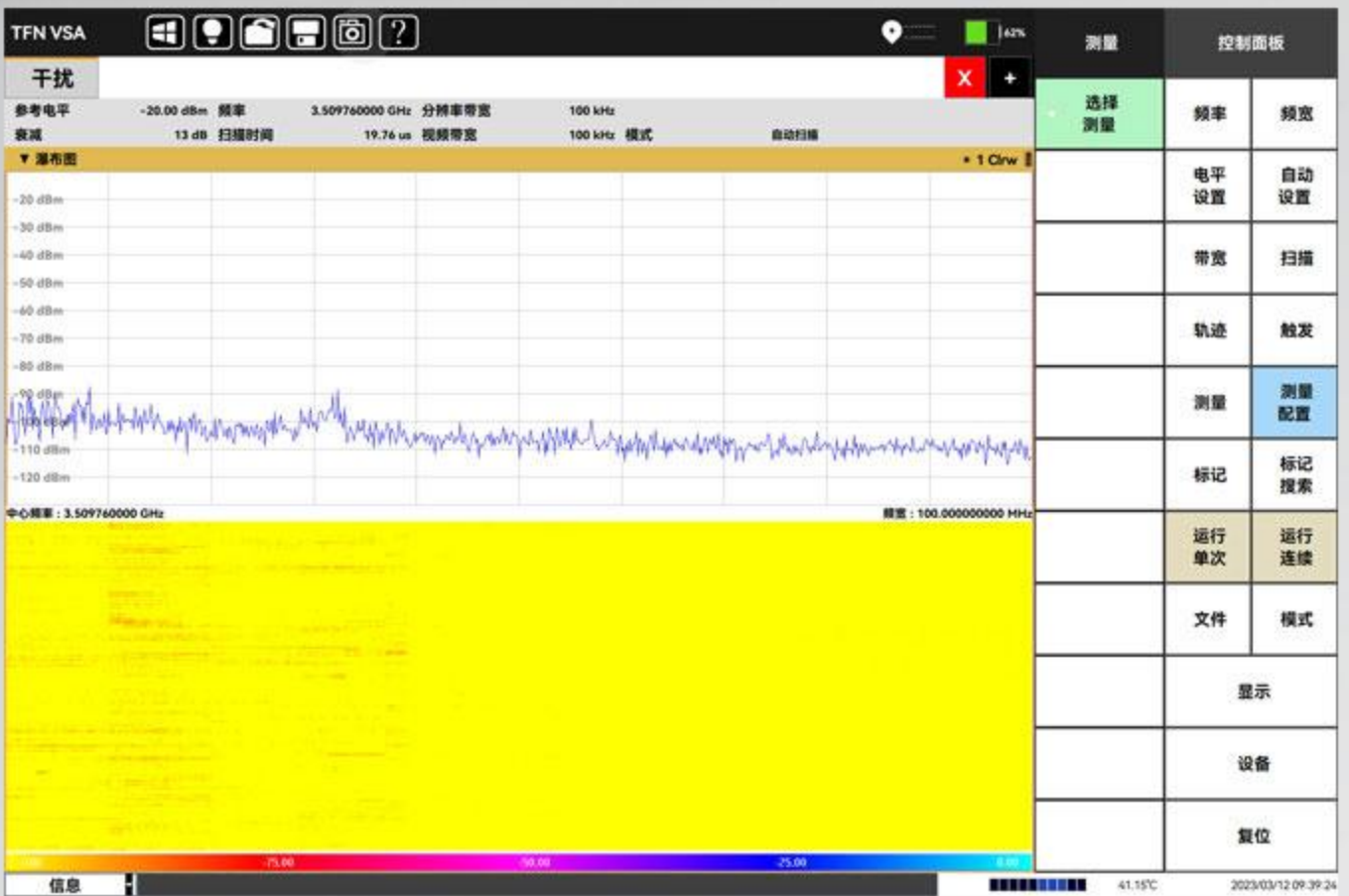
SPECTRUM - OCCUPIES BANDWIDTH

WIDELY USED

SIGNAL SEARCH AND JAMMING

THROUGH AOA DIRECTION FINDING METHOD, THE DEVICE SUPPORTS SINGLE-MACHINE AND ONLINE MULTI-POINT POSITIONING FUNCTION, AND CAN ACCURATELY LOCATE THE SIGNAL POSITION TO BE MEASURED





INTERFERENCE - WATERFALL DIAGRAM



INTERFERENCE - INDOOR MAP

PRODUCT PARAMETER

ARGUMENT	SPECIFICATION	
PRODUCT MODEL	5KHZ-4.5GHZ / 6.32GHZ / 7.5GHZ 9GHZ / 20GHZ / 40GHZ	
FREQUENCY RANGE	±0.01ppm	
FREQUENCY ACCURACY	≤-114D BC/ HZ@10KHZ THE OFFSET IS 1GHZ ≤-115DBC/ HZ@100KHZ THE OFFSET IS 1GHZ	
PHASE NOISE	≤-131DBC/ HZ@1MHZ OFFSET AT 1GHZ;	
AVERAGE NOISE DISPLAY LEVEL	AMPLIFIER OFF	AMPLIFIER OFF
	100KHz~ 30M Hz: -145dBm/Hz	100KHz~30MHz: -156dBm/Hz
	30MHz~6.3GHz: -146dBm/Hz	30MHz~6.3GHz: -170dBm/Hz
	6.3GHz~9GHz: -147dBm/Hz	6.3GHz~9GHz: -163dBm/Hz
	9GHz~20GHz: -152dBm/Hz	9GHz~20GHz: -163dBm/Hz

LEVEL ACCURACY	$\pm 1.5\text{dB}$
LEVEL RESOLUTION	0.1dB
MAXIMUM INPUT SAFE POWER	25.7dBm
THIRD ORDER INTERMODULATION INTERCEPT POINT	TYPICAL VALUE $> +12\text{DBM}$
SECOND HARMONIC SUPPRESSION	$< -75\text{dBC}$
THIRD ORDER INTERMODULATION	+12DBM (TYPICAL VALUE)
RESIDUAL RESPONSE	$< -90\text{dBm}$
REFERENCE LEVEL RANGE	-130dBm~+30dBm
STANDING-WAVE RATIO	STANDING WAVE RATIO < 2.0
SPECTRAL SWEEP	9kHz~6.3GHz: 18GHz/s@25KHz
	9kHz~9G/20G: 137GHz/s@25KHz
REAL-TIME SPECTRUM ANALYSIS BANDWIDTH	MAX. 100MHZ
DEMODULATION ANALYSIS SUPPORT MODE	SG-NR, LTE, NB-IoT, WCDMA, GSM, VECTOR SIGNAL

DEMODULATION INDEX	5G NR	1.2%@2.GGHZ(PSS CHANNEL)
		1.3%@2.GGHZ(SSS CHANNEL)
		1.0%@2.GGHZ(PBCH CHANNEL)
	LTE	0.7%@1.5GHZ(QPSK MODULATION MODE)
		0.7%@1.8GHZ(QAM16 MODULATION MODE)
	VECTOR SIGNAL	0.8%@1.5GHZ (SYMBOL RATE MSPS QPSK)
0.8%@1.5GHZ (SYMBOL RATE MSPS QAM64)		
POWER SOURCE	AC100-240V/50-60Hz DC12V	
AMBIENT TEMPERATURE	0°C-40°C	
REVEAL	10.5-INCH HD DISPLAY	
DIMENSION	295mm*225mm*50mm	
WEIGHT	2.3Kg	

RMT SPECTRUM ANALYZER STANDARD:

SERIAL NUMBER	NAME	INSTRUCTIONS
1	COMMUNICATION TEST SOFTWARE	INCLUDES SWEEP FREQUENCY FUNCTION
2	USER MANUAL	
3	POWER CORD	THREE-CORE POWER CORD, POWER ADAPTER
4	PRODUCT CERTIFICATE	PRODUCT PRODUCTION CERTIFICATE

OPTION:

SERIAL NUMBER	NAME	INSTRUCTIONS	REMARK
1	RMT716A	9kHz~6.3GHz	SELECT THIS PARAMETER BASED ON THE FREQUENCY BAND. MANDATORY 1 SET
2	RMT719A	9kHz~9GHz	
3	RMT720A	9kHz~20GHz	

+ TECHNICAL SPECIFICATIONS, PRODUCT MODELS AND SOME FEATURES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

PRODUCT DISPLAY

