

Anritsu RF & Microwave Handheld Analyzers Solutions



Options (See Specifications for a complete list of measurements)	Models	Cable and Antenna Analyzers				Base Station Analyzers			Spectrum Analyzers			Vector Network Analyzers				PIM Analyzers
		Site Master™				LMR Master™	Cell Master™	BTS Master™	Spectrum Master™			VNA Master™				PIM Master™
		Value	Compact		High Performance	Compact		High Performance	Value	Compact	High Performance	Compact		High Performance		High Performance
Option Numbers	S331L	S331E S361E	S332E S362E	S820E	S412E	MT8212E MT8213E	MT8220T	MS2711E	MS2712E MS2713E	MS2720T	MS2024B MS2025B	MS2034B MS2035B	MS2026C MS2027C MS2028C	MS2036C MS2037C MS2038C	MW82119B	
Cable & Antenna Analyzer																
Frequency Range		2 MHz to 4 GHz	2 MHz to 4 / 6 GHz	2 MHz to 4 / 6 GHz	1 MHz to 40 GHz see Frequency Opt.	500 kHz to 1.6 GHz see Frequency Opt.	2 MHz to 4 / 6 GHz	400 MHz to 6 GHz				500 kHz to 4 / 6 GHz	500 kHz to 4 / 6 GHz			2 MHz to 3 GHz
1-port Measurements		Standard	Standard	Standard	Standard	Standard	Standard	Standard				Standard	Standard			Option 331
2-port 1-path Measurements												Standard	Standard			
2-port Transmission Measurement	0021		•	•	Standard		•		In Option 0020	In Option 0020	In TG Option					
2-port Swept Cable Loss Measurement (external USB sensor required)					Standard											
Spectrum Analyzer																
Frequency Range				9 kHz to 4 / 6 GHz		9 kHz to 1.6 GHz see Frequency Opt.	9 kHz to 4 / 6 GHz	150 kHz to 7.1 GHz	9 kHz to 3 GHz	9 kHz to 4 / 6 GHz	9 kHz to 43 GHz see Frequency Opt.		100 kHz to 4 / 6 GHz		9 kHz to 9 / 15 / 20 GHz	
Internal Atomic Clock	0001										•					
Preamplifier	0008			Standard		Standard	Standard	Standard	•	Standard	Standard		Standard		Standard	
Interference Analyzer / Channel Scanner	0025 / 0027			•		•	•	•	•	•	•		•		•	
Coverage Mapping / AM/FM/PM Measurements	0431 / 0509			•		•	•	•	AM/FM/PM only	•	•		•		•	
Gated Sweep	0090			•		•	•	•		•	•					
Zero-Span IF Output / IQ Waveform Capture	0089 / 0024					I/Q only Standard		•		•	•					
Vector Network Analyzer																
Frequency Range						500 kHz to 1.6 GHz see Frequency Opt.						500 kHz to 4 / 6 GHz	500 kHz to 4 / 6 GHz	5 kHz to 6 / 15 / 20 GHz	5 kHz to 6 / 15 / 20 GHz	
S-Parameters						S ₁₁ , S ₂₁						S ₁₁ , S ₂₁		S ₁₁ , S ₂₁ , S ₁₂ , S ₂₂		
Vector Voltmeter	0015					•						•	•	•	•	
Time Domain and Distance Domain	0002													•	•	
Distance Domain only	0501					•								•	•	
Balanced/Differential S-Parameters, 1-port	0077													•	•	
Frequency Options																
6 GHz (for Spectrum Analyzer Mode)	0006					•										12, 13, 14, 17
6 GHz (for Cable and Antenna and VNA Analyzer Mode)	0016					•										28
																20
8 GHz	0708				•											5
9 GHz	0709										•					8
13 GHz	0713										•					3
14 GHz	0714				•											
20 GHz	0720				•						•					2,4
30 GHz	0730				•											1
32 GHz	0732										•					7
40 GHz	0740				•											
43 GHz	0743										•					
Signal Generators																
Tracking Generator (TG) 3, 4, or 6 GHz	0020								•	•						
Tracking Generator (TG) 9 GHz	0809										•					
Tracking Generator (TG) 13 GHz	0813										•					
Tracking Generator (TG) 20 GHz	0820										•					
CW Generator	0028			•		Standard	•	In VSG Option	In TG Option	In TG Option	In TG Option					
Vector Signal Generator (VSG)	0023							•								
Power Meters																
Power Meter	0029				Standard		•									
High Accuracy Power Meter Support (requires USB power sensor)	0019				Standard		•									•
Wireless Signal Measurements																
	RF	Mod.	OTA	ALL					RF, MOD, OTA	ALL	RF, MOD, OTA	ALL				
Demodulation Hardware		0009							Standard	Standard	Standard	•	•			
GSM/GPRS/EDGE Measurements	0040	0041		0880							•	•	•			
W-CDMA/HSPA+ Measurements	0044	0065	0035	0881							•	•	•			
TD-SCDMA/HSPA+ Measurements	0060	0061	0038	0882							•	•	•			
LTE Measurements	0541	0542	0546						•		•	•	•			
TD-LTE Measurements	0551	0552	0556	0883							•	•	•			
CDMA2000 1X Measurements	0042	0043	0033								•	•	•			
CDMA2000 1xEV-DO Measurements	0062	0063	0034	0884							•	•	•			
Fixed WiMAX Measurements	0046	0047									•	•	•			
Mobile WiMAX Measurements	0066	0067	0037	0885							•	•	•			
Digital TV Signal Measurements																
	Analyzer	SFN	BER													
DVB-T/H Measurements	0064	0078	0057								•	•				
ISDB-T Measurements	0030	0032	0079								•	•				
Land Mobile Radio Measurements																
	Analyzer	Coverage														
NBFM Measurements									Standard							
P25 and P25 Phase 2 Measurements	0521	0522							•							
NXDN Measurements	0531	0532							•							
DMR2 Measurements	0591	0592							•							
PTC Measurements	0721	0722							•							
TETRA Measurements	0581	0582							•							
Backhaul Analyzer Measurements																
	T1	E1	T3/T1													
T1, E1, T3/T1 (Mutually Exclusive)	0051	0052	0053						•							
General Options																
GPS Receiver		0031			2000-1723-R	•	•	Standard	•	•	•	•	•	•	•	•
Bias Tee (built-in)		0010				•	•	•	•	•	•	•	•	•	•	•
Secure Data Operation		0007									•	•	•	•	•	•
Ethernet Connectivity		0411			Standard			Standard	•		Standard	•	•	Standard	Standard	Standard
K Test Port Connectors		0011			Standard ≥ 20 GHz						Standard ≥ 32 GHz			Optional ≥ 15 GHz	Optional ≥ 15 GHz	
Standard / Premium Calibration		0098 / 0099				•	•	•	•	•	•	•	•	•	•	•