

Anritsu RF & Microwave Handheld Analyzers Solutions Selection Matrix

Models		Cable and Antenna Analyzers, VNA Spectrum Analyzer Combo					Base Station Analyzers	Spectrum Analyzers				VNA Master	PIM Analyzers	
		Site Master™					LMR Master™	Field Master Pro™ / Spectrum Master™				Site Master	PIM Master™	
Options (See Specifications for a complete list of measurements)	Option Numbers	RF Value Models		RF Standard Models		Microwave Models	Mid-Level Performance	Value	Mid-Level Performance	High Performance		Mid Performance	High Performance	
		S331P	S331L	MS2085A	MS2089A	S820E	S412E	MS2070A	MS2080A	MS2720T	MS2090A	S820E	MW82119B	
Cable and Antenna Analyzer														
Frequency Range		150 kHz to 4/6 GHz	2 MHz to 4 GHz	5 kHz to 4 / 6 GHz	5 kHz to 4/6 GHz	1 MHz to 40 GHz	500 kHz to 1.6 GHz					1 MHz to 8/14/20/30/40 GHz	2 MHz to 3 GHz	
1-port Measurements		Standard	Standard	Standard	Standard	Standard	Standard					Standard	Option 331	
2-port 1-path Measurements				VNA Option 904/6	VNA Option 904/6	Standard	Standard					Standard		
2-port Transmission Measurement	0021			Option 21	Option 21	Standard			With TG Option	With TG Option		Standard		
2-port Swept Cable Loss Measurement (external USB sensor required)			Standard	Standard	Standard	Standard						Standard		
USB Sensor Transmission Measurement		Option				Option						Standard Option		
Spectrum Analyzer														
Frequency Range					9 kHz to 4 / 6 GHz		9 kHz to 1.6 GHz	9 kHz to 3 GHz	9 kHz to 4/6 GHz	9 kHz to 20 GHz	9 kHz to 54 GHz			
Modulation bandwidth					40 MHz		10 MHz	20 MHz	Up to 40 MHz	20 MHz	Up to 110 MHz			
Preamplifier	0008				Standard		Standard	Option	Standard	Standard	Standard			
Interference Analyzer	24 or 25				Option		Option	Option	Option	Option	Option			
Channel Scanner	27				Option				Option	Option				
AM/FM Measurements	509				Option		Option	Option	Option	Option	Option			
Gated Sweep	0090				Option				Option	Option	Option			
Zero-Span IF Output	0089 / 0024				-		Option		Option	Option	Option			
EMF Measurements	0444				Option		Option		Option	Option	Option			
Handheld InterferenceHunter™	MA2700A				Option		Option	Option	Option	Option	Option			
Mobile Interference Hunter™	MX280007A				Option		Option	Option	Option	Option	Option			
Coverage Mapping (Indoors and Outdoors)	0431				Option		Option	Option - RF only	Option - RF & demods	Option - RF & demods	Option - RF & demods			
RTSA	0199				Option				Option	Option	Option			
IQ Capture	0124 / 0126				Option					Option	Option			
IQ Streaming	0125 / 0127				Option					Option	Option			
Pulse Analyzer	0421				-						Option			
Vector Network Analyzer														
Frequency Range				5 kHz to 4/6 GHz	5 kHz to 4/6 GHz	1 MHz to 8/14/20/30/40 GHz	500 kHz to 1.6 GHz see Frequency Opt.					1 MHz to 8/14/20/30/40 GHz		
S-Parameters				S11 / S21	S11 / S21	S11, S21, S12, S22	S11 / S21					S11, S21, S12, S22		
Vector Voltmeter	0015			Option 15	Option 15	Option	Option					Option		
Time Domain and Distance Domain	0002			Option 2	Option 2	N/A						N/A		
Distance Domain only				Included in Option 2	Included in Option 2	DTF only in CAA mode	Standard					DTF only in CAA mode		
Balanced/Differential S-Parameters, 1-port	0077					N/A						N/A		
Frequency Options													LTE Bands	
6 GHz (for Spectrum Analyzer Mode)	0006						Option						12, 13, 14, 17	
6 GHz (for Cable and Antenna and VNA Analyzer Mode)	0016						Option						LTE 700	
8 GHz	0708					Option						Option	APT 700	
9 GHz	0709												LTE 800	
13 GHz	0713									Option	Option		5	
14 GHz	0714					Option				Option		Option	Cellular 850	
20 GHz	0720					Option				Option	Option	Option	8	
30 GHz	0730					Option					Option	Option	E-GSM 900	
32 GHz	0732											Option	DCS 1800	
40 GHz	0740					Option						Option	3	
43.5 GHz	0743										Option	Option	2,4	
54 GHz											Option	Option	AWS/PCS 1900/2100	
													UMTS 2100	
													LTE 2600	
Signal Generators														
Tracking Generator (TG) 3, 4, or 6 GHz	0020				Option 4/6 GHz				Option 4/6 GHz					
Tracking Generator (TG) 9 GHz	0809									Option				
Tracking Generator (TG) 13 GHz	0813									Option				
Tracking Generator (TG) 20 GHz	0820									Option				
CW Generator	0028				Included in TG Option		Standard		Included in TG Option	With TG Option				
Vector Signal Generator (VSG)	0023													
Power Meters														
Power Meter (using instrument receier)	0029		Standard		Option		Standard							
High Accuracy Power Meter Support (using USB power sensor)	0019		Standard	Option 19	Option	Standard	Option	Option	Option	Option	Option	Standard	Option	
Wireless Signal Measurements														
Demodulation Hardware	0009				Standard		Standard		Standard	Standard	Standard			
GSM/GPRS/EDGE Measurements	0880						Option			Option				
W-CDMA/HSPA+ Measurements	0881				Option				Option	Option	Option			
TD-SCDMA/HSPA+ Measurements	0882									Option				
LTE Measurements FDD and TDD	0883				Option		FDD: 541, 542, 546 TDD: 551, 552, 556		Option	Option	Option			
5G NR	0888				Option (FR1)				Option		Option			
CDMA2000 1xEV-DO Measurements	0884									Option				
Fixed/Mobile WiMAX Measurements	0885						Option			Option				
Land Mobile Radio Measurements														
ANALYZER	COVERAGE													
NBFM Measurements							Standard							
P25 and P25 Phase 2 Measurements	0521	0522					Option							
NXDN Measurements	0531	0532					Option							
DMR2 Measurements	0591	0592					Option							
PTC Measurements	0721	0722					Option							
TETRA Measurements	0581	0582					Option							
General														
GNSS Receiver	0031		2000-1723-R	Option	Option	2000-1723-R	Option	Option	Option	Option	Option	2000-1723-R	Option	
Bias Tee (built-in)	0010			With Accessory	With Accessory		Option	With Accessory	With Accessory	Option	With Accessory			
Secure Data Operation	0007			Option	Option			Option	Option	Option	Option			
Ethernet Connectivity	0411			Standard	Standard	Standard		Standard	Standard	Standard	Standard	Standard	Standard	
USB Type A				2 x USB 3	2 x USB 3	2 x USB 2		2 x USB 3	2 x USB 3		3 x USB 3	2 x USB 2		
USB Type C				USB TMC	USB TMC			USBTMC	USBTMC		USBTMC			
Test Port Connectors		Type N(m)	Type N(f)	Type N(f)	Type N(f)	N(f), K(m)		Type N(f)	Type N(f)	Type N(f)	N(f), K(m), V(m)	N(f), K(m)		
Standard / Premium Calibration	0098 / 0099	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	

