

Anritsu RF & Microwave Handheld Analyzers Solutions Selection Matrix

Models		Cable and Antenna Analyzers, VNA Spectrum Analyzer Combo					Base Station Analyzers	Spectrum Analyzers				Vector Network Analyzers			PIM Analyzers		
		Site Master™					LMR Master™	Field Master Pro™ / Spectrum Master™				VNA 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-Level Performance		High Performance	High Performance		
		S331P	S331L	MS2085A	MS2089A	S820E	S412E	MS2070A	MS2080A	MS2720T	MS2090A	MS2024B MS2025B	MS2034B MS2035B	MS2036C	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					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		Option 331		
2-port 1-path Measurements				VNA Option 904/6	VNA Option 904/6	Standard	Standard										
2-port Transmission Measurement	0021			Option 21	Option 21	Standard			With TG Option	With TG Option							
2-port Swept Cable Loss Measurement (external USB sensor required)			Standard	Standard	Standard	Standard											
USB Sensor Transmission Measurement		Option				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		9 kHz to 6 GHz	9 kHz to 9 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		Standard	Standard			
Interference Analyzer	24 or 25				Option		Option	Option	Option	Option	Option		Option	Option			
Channel Scanner	27				Option				Option	Option	Option						
AM/FM Measurements	509				Option		Option	Option	Option	Option	Option		Option				
Gated Sweep	0090				Option				Option	Option	Option						
Zero-Span IF Output	0089 / 0024				-		Option			Option	Option						
EMF Measurements	0444				Option		Option		Option	Option	Option		Option	Option			
Handheld InterferenceHunter™	MA2700A				Option		Option	Option	Option	Option	Option		Option	Option			
Mobile Interference Hunter™	MX280007A				Option		Option	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		Option	Option			
RTSA	0199				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		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 GHz			
S-Parameters				S11 / S21	S11 / S21		S11 / S21										
Vector Voltmeter	0015			Option 15	Option 15		Option						S11, S21		S11, S21, S12, S22		
Time Domain and Distance Domain	0002			Option 2	Option 2							Option	Option	Option			
Distance Domain only				Included in Option 2	Included in Option 2		Standard					Standard	Standard	Standard			
Balanced/Differential S-Parameters, 1-port	0077													Option			
Frequency Options																	
6 GHz (for Spectrum Analyzer Mode)	0006						Option								LTE Bands	Name	
6 GHz (for Cable and Antenna and VNA Analyzer Mode)	0016						Option								12, 13, 14, 17	LTE 700	
8 GHz	0708					Option									28	APT 700	
9 GHz	0709														20	LTE 800	
13 GHz	0713									Option	Option				5	Cellular 850	
14 GHz	0714					Option				Option					8	E-GSM 900	
20 GHz	0720					Option				Option	Option				3	DCS 1800	
30 GHz	0730					Option									2,4	AWS/PCS 1900/2100	
32 GHz	0732										Option				1	UMTS 2100	
40 GHz	0740					Option									7	LTE 2600	
43.5 GHz	0743										Option						
54 GHz											Option						
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 receiver)	0029		Standard		Option		Standard										
High Accuracy Power Meter Support (using USB power sensor)	0019		Standard	Option 19	Option	Standard	Option	Option	Option	Option	Option	Option	Option	Option	Option	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	Option	Option	Option	Option	Option	
Bias Tee (built-in)	0010			With Accessory	With Accessory		Option	With Accessory	With Accessory	Option	With Accessory	Option	Option	Option	Option		
Secure Data Operation	0007			Option	Option			Option	Option	Option	Option						
Ethernet Connectivity	0411			Standard	Standard	Standard		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 2	2 x USB 3	2 x USB 3		3 x USB 3	2 x USB 2	2 x USB 2	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)	Type N(f)	Type N(f)	Type N(f)			
Standard / Premium Calibration	0098 / 0099		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	

