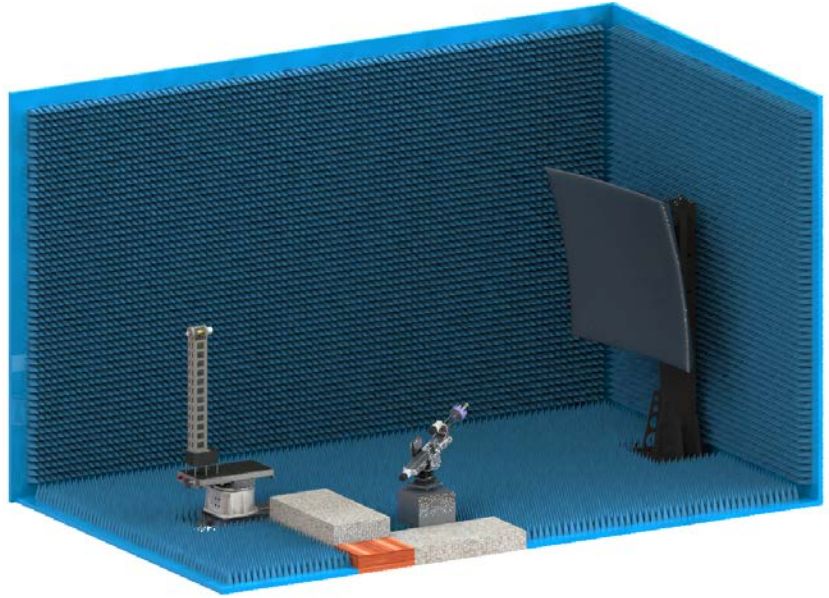


# Compact Antenna Test Range

#mm-wave antenna #phased array antenna #5G test #802.11ad #car radar antenna #77/24GHz #beamforming

## Compact Range System

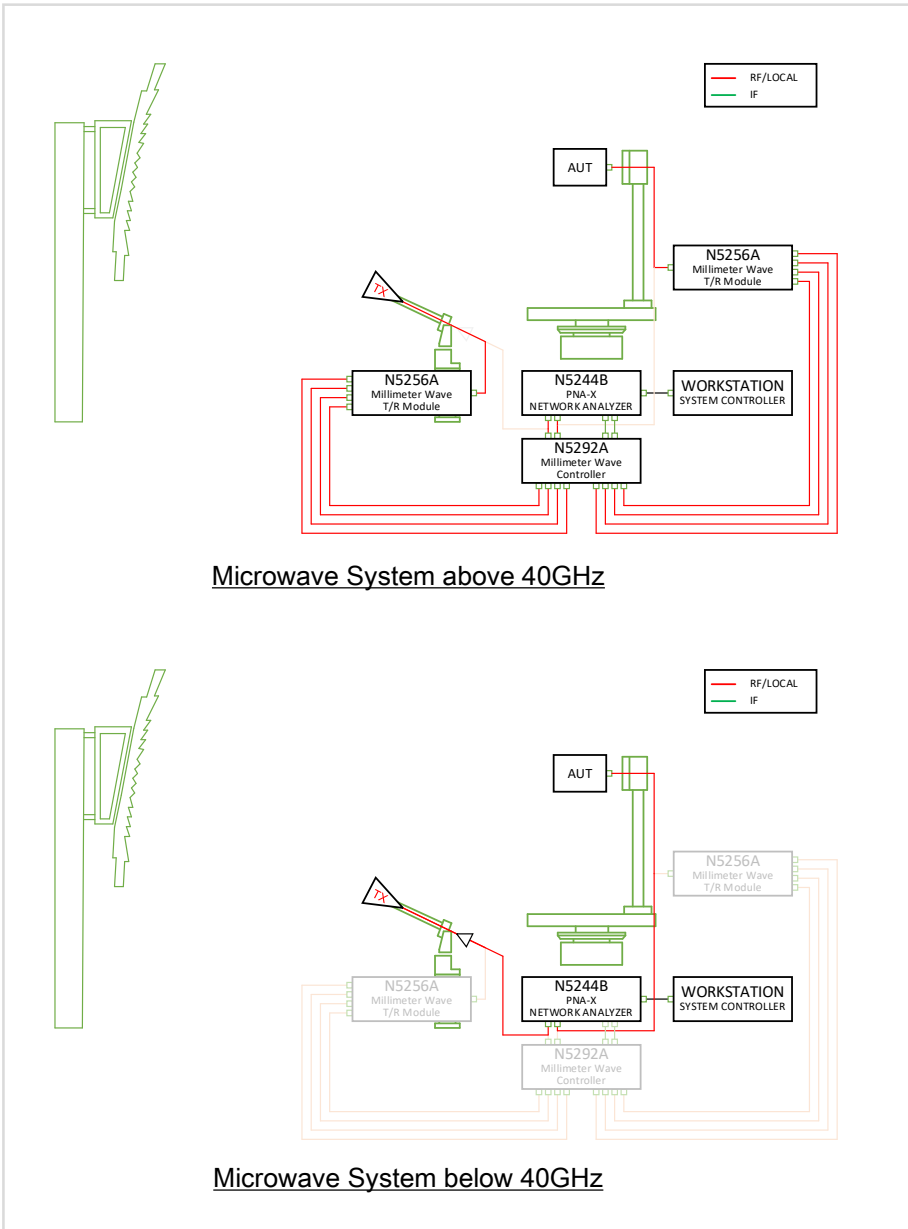
Small sized three CATR models are available for mm-Wave antenna measurement and OTA testing, with 0.3m, 0.5m and 0.8m quiet zone. CATR-30R provides a portable test for small size antennas such as mobile devices.



## Specifications

Items		CATR-30R	CATR-50R	CATR-80R
Quiet Zone Shape			Circular Cylinder	
Quiet Zone Size [cm]		30(W) x 30(H) x 30(L)	50(W) x 50(H) x 50(L)	80(W) x 80(H) x 80(L)
Frequency [GHz]		8.2-110	5.85-110	3.3-110
Reflector	Size[cm]	60 x 60	100 x 100	170 x 170
	Type	Rolled Edge		
Feed	Feeding Position	Diagonal Fed		
	Polarization	Linear, Single		
Chamber	Size ( L X W X H)	2.4m X 1.6m X 1.8m	4m X 2.4m X 2.9m	6.6m X 4m X 4m
	Type	Modular Pan, Movable by caster	Modular Pan	
	Door	0.8m X 0.8m, Manual Swing door	1.2m X 2.1m, Semi Auto Swing door	
	Shield Performance	100dB @ 1GHz-18GHz 80dB @ 18GHz-40GHz		
	Utilities	LED Lamp, RF Filter, Access Panel Option : HVAC System , CCTV		
	Absorber	Pyramid Type Absorber		

# Microwave System Configurations (configured by Keysight)



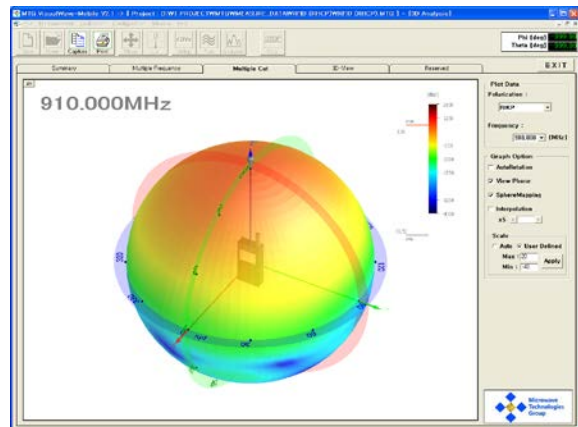
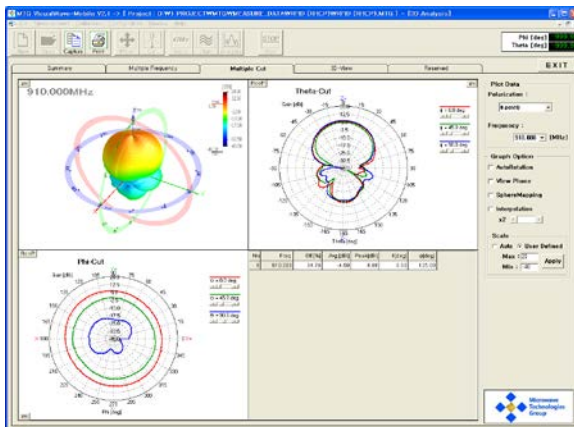
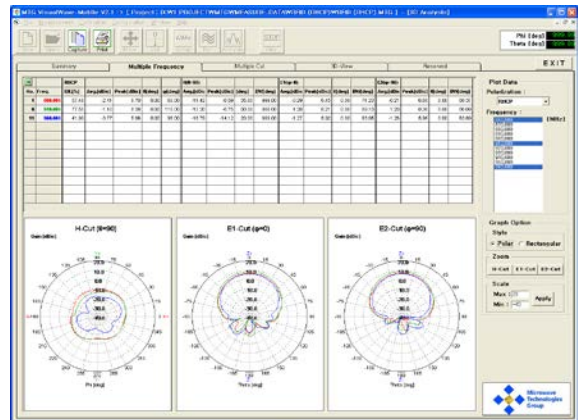
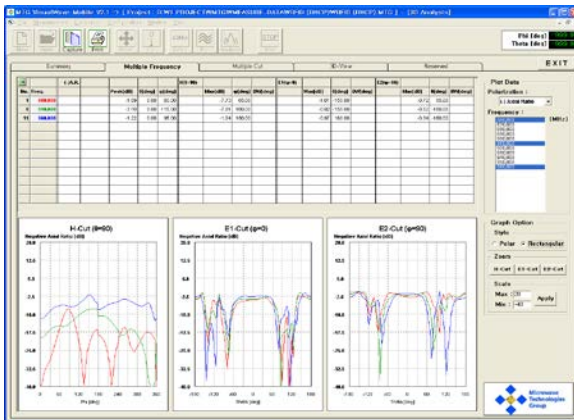
## Microwave Equipments

- Vector Network Analyzer
- mm-Wave Test Set Controller
- mm-Wave modules
- System Amplifier
- RF Cables

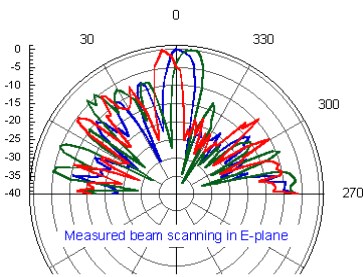


# Antenna Pattern Measurement Software

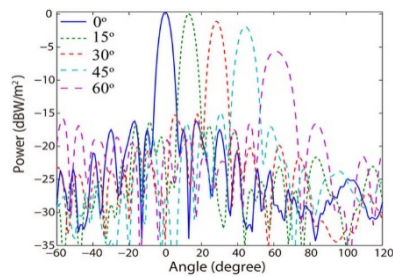
## 2D/3D Antenna Measurement



## Beam-Forming Test



2D Polar



2D Rectangular



3D Polar



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