Advantages of introducing RF matrix switch box (MM 6000)

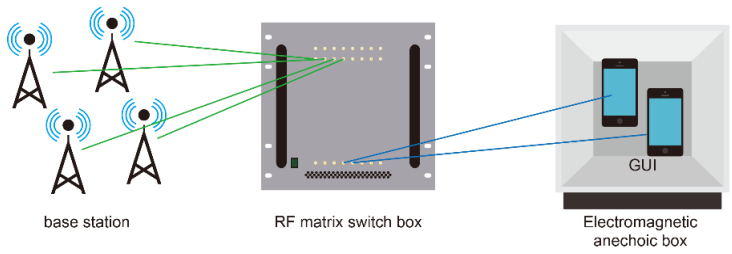
This system is suitable for automating interoperability test (IOT) of wireless communication equipment and RF signal connection switching.

［Application］

It is required to have reliability more than ever which the mobile device which plays the important role by communications infrastructure with the rapid expansion of IoT (Internet Of Things).
Generally, propagation path simulation and handover test between eNB (base station) and UE (terminal), it is vital to evaluate all combinations for each device (model) · communication route, however, manufacturers and lineups of eNBs and UEs are also diversified, and it takes enormous time and effort to evaluate all combinations.
The RF matrix switch box (MM6000 series) is mainly composed of a high-speed digital attenuator and an RF matrix switch, this product is suitable for automation of variation test (interconnectivity test) , such as propagation path simulation, handover test, RF signal connection changeover.

［Solution］

[Structure]

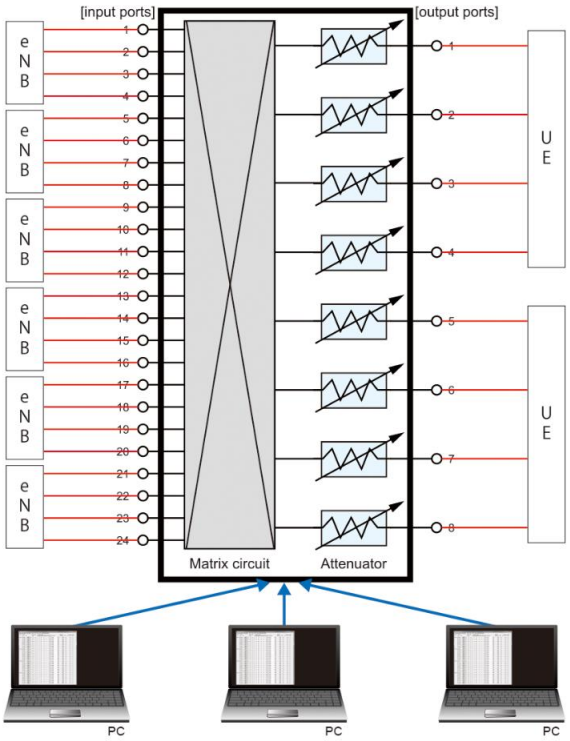


[Main advantages of introducing this system]

1.By automating the test, continuously any time day or night testing can be made unattended (labor saving), the manufacturing cost can be reduced.

2. It is freed from RF connection switching by manual operation, and it can drastically reduce working time by incorrect connection and changeover.

Image of 24 x 8 matrix



- Capable of controlling the same unit from multiple PCs in LAN.
- Image of 24 x 8 matrix Path between input and output can be freely switched.
- CLI allows scripting with other systems.

Catalog Download

Specifications

	MM6824	MM6816
Frequency range	700MHz to 4GHz	
VSWR	Less than 2.0	
Maximum input level (base station)	1W (+30dBm)	
Maximum input level (terminals)	200mW (+23dBm)	
Insertion loss	20dB (typ.)	
Isolation	more than 80dB (switch) more than 17dB (splitter)	
Number of input / output ports (base station)	24	16
Number of input / output ports (terminals)	8	
Input / output combination	1 to 1	
RF connector	SMA(J)	
Impedance	50Ω	
Switch	Relay type	
Attenuator	Electronic (digital)	
Attenuation	0 to 95.5dB (0.5dB Step)	
Interface	LAN	
Dimensions (excluding projections)	482.6(W)×443.7(H)×550.0(D)mm 10U : Capable of installing in 19-inch system rack mount.	
Weight	approx. 50kg	approx. 45kg
Power source	AC100V(50/60Hz)	

*Please contact us for details and combination of the system.

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