KEYCOM
Characteristic Technologies

RTS – DM (Rader Test System Digital Delay)

-Moving Target

Catalog No. RTS-DM-E-5

The digitization of radar wave response control allows **a distance resolution 15cm**, and it also **allows RCS control responds** to a distance change, with a high-precision and high-performance.

KEYCOM, a leading company in the field of automotive radar development, provides you a wide range of support, from a development of radar to an evaluation of product at manufacturing line.

■ System Number ME7220DM-24G/77G/79G

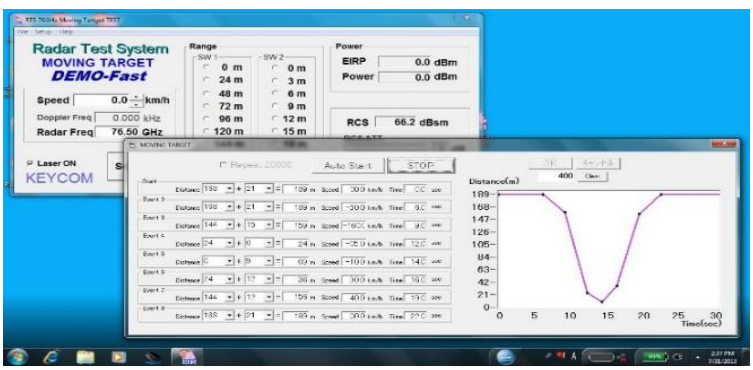
■ Purpose 1. Evaluation of automotive mill-wave radar and its test (development and production line)
2. Evaluation of precaution, safety and performance of safety systems (ABS/PAS/CCS/LDS)

■ Specification

Specification	RTS-DM 77G	RTS-DM 79G	RTS-DM 24G
Frequency Ranges	76 – 77GHz（700M）	76– 81GHz（1GHz）	24-25GHz(500MHz)
Distance Range (resolution)	1)300m～30m (15cm) 2)30m～3.5m (25cm) 3)2m-3.5m(Option)	Same with left	Same with left
Speed range	±300km/h	±300km/h	±300km/h
Antena Ranges	-20dBsm～+30dBsm	-20dBsm～+30dBsm	-20dBsm～+30dBsm
Number of Antena	1 transmit & 1 receive	1 transmit & 1 receive	1 transmit & 1 receive
Moving Target Function(*1)	YES	YES	YES

(*1)Moving Target Function: A distance and Doppler speed can be varied, and it enables a target to simulate moving toward and away. It also allows RCS to control responding to a distance change (automated conversion of reflection intensity).
Option: Can change the antennas configuration (Ex: 1 antenna for receive & transmit)

■ Images of RTS-D



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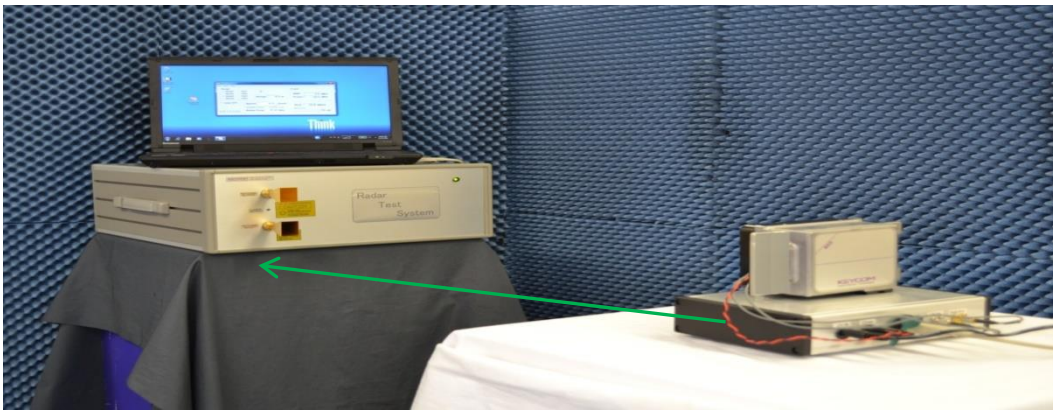
■ Images of operation
It allows you to evaluate a quality of performance at indoor facility without road test.

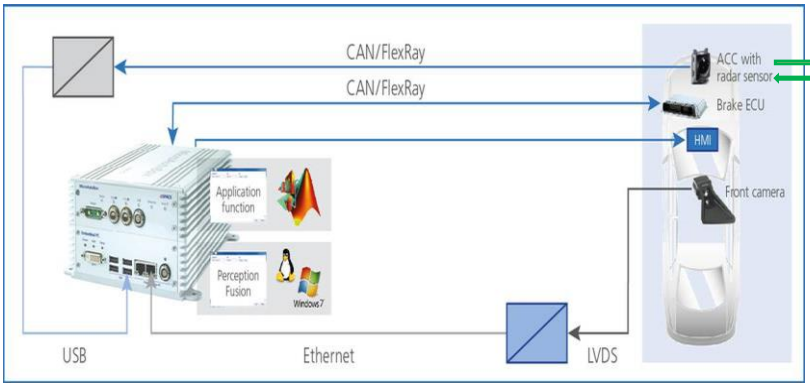
1) RADAR Test



2) Test for ADAS System like ACC/PCS indoor

3) Test ADAS System with HILS

PCS/ACC testing with HILS



RTS Moving target

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