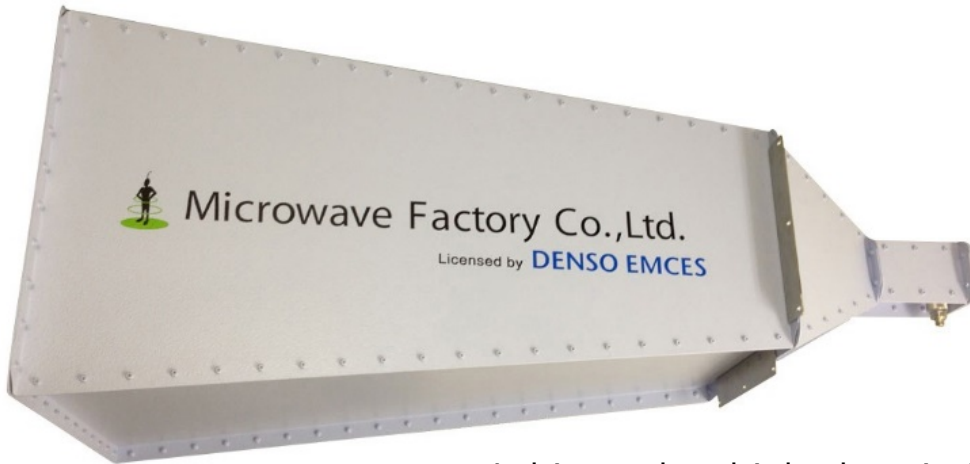




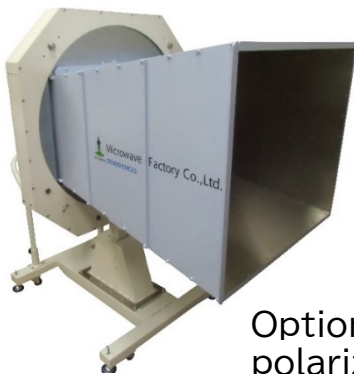
# Double Taper Horn Antenna

MDTH1214 / 2731



MDTH2731

Achieve ultra high electric field (600V/m) Immunity Test, demanded by many Automotive manufacturers' regulation of the world, at around the half input power so far. Originated dual Taper structure enables the ultra high electric field.



Enable to reduce the demanded power of Power Amp., the power withstand of RF cables and Couplers of the system. So, enable to reduce the cost and to improve the safety due to reducing the heat loss each for equipment.

Option ; Designated stand enable to move, switch the polarization, adjust the position. The centre of aperture is adjusted between 950~1050mm from the floor.

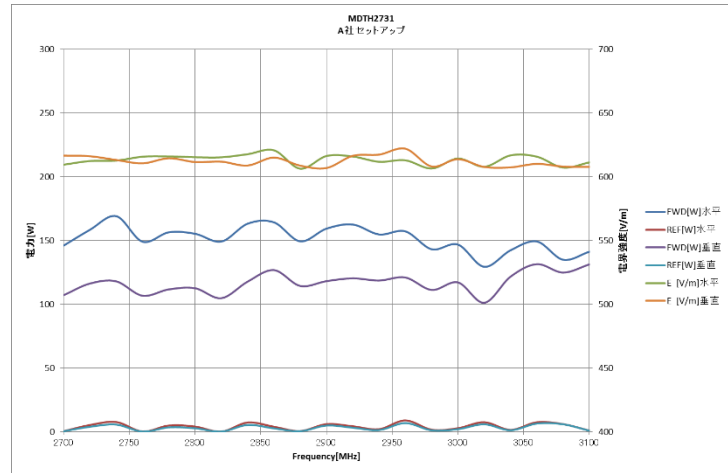
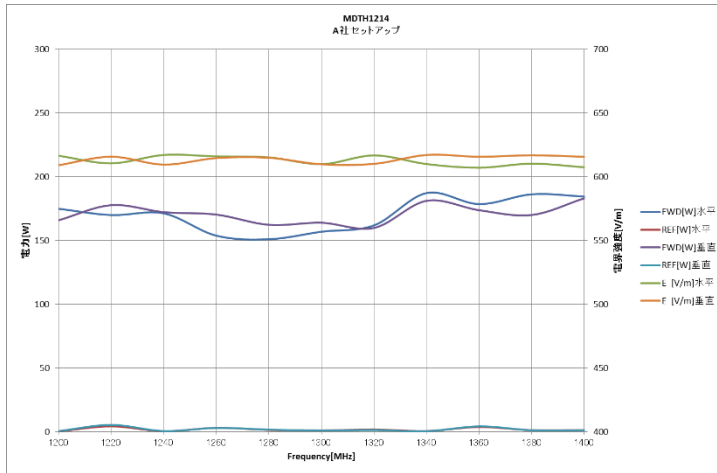
Parameter \ Type	MDTH1214	MDTH2731
Frequency	1.2 - 1.4GHz	2.7 - 3.1GHz
Max. Input	500W	500W
VSWR(Max.)	< 2.0	< 2.0
Gain	18dBi	21dBi
Impedance	50Ω	50Ω
Connector	7/16 DIN(f)	7/16 DIN(f)
Weight	21.2kg	13.3kg
Size (W x D x H) mm	845 x 728 x 1510	612 x 517 x 1360

\* Original developed by DENSO EMC ENGINEERING SERVICE CORPORATION, and MWF is given Exclusive Sales

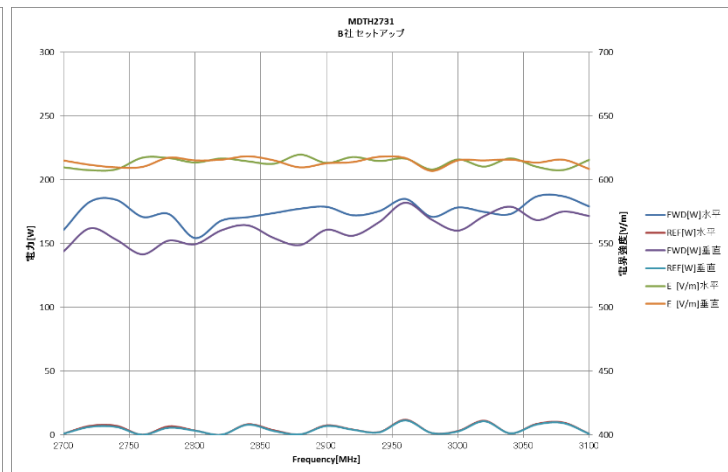
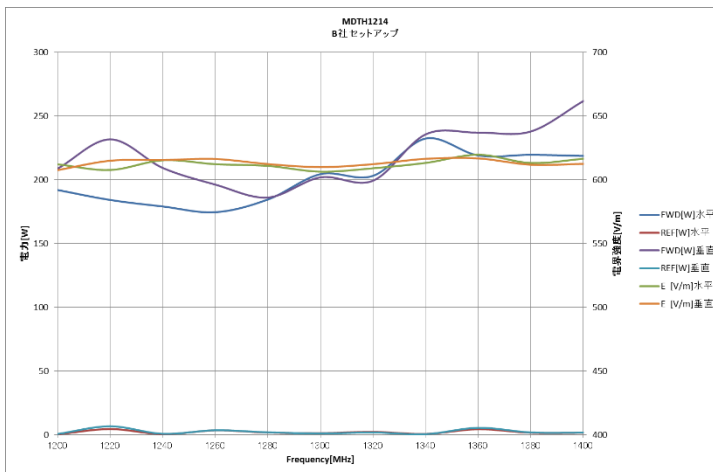
# Data Samples

The following data are measured under the test set-up with radiated antenna, which meet the radar pulse immunity test regulation each for the Vehicle manufacturers.

## A set-up left ; MDTH1214, right ; MDTH2731



## B set-up left ; MDTH1214, right ; MDTH2731



## C set-up MDTH1214

