CONFIDENTIAL

Antenna Specification

AUT (Antenna Under Test) Report of BHT-1408QUMWB UHF antenna

Purpose

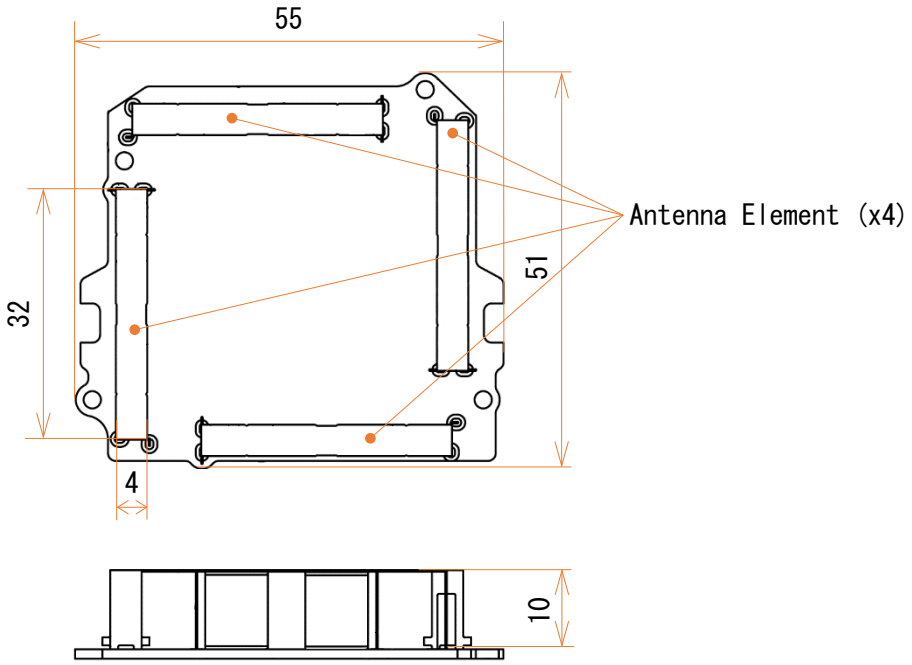
Measure the antenna gain of the test item based on the measurement value of a standard dipole antenna.

EUT : 496951-206x, x: 0 - 9 (UHF module for BHT-1408QUMWB)

Antenna type: 4-Elements array inverted-F antenna

Dimension: See the figure below

Unit: mm



Result

UHF module	Antenna gain
496951-206x	X-axis 2.0 [dBi] or less Y-axis 2.0 [dBi] or less (at. 920 MHz)

DENSO WAVE INCORPORATED

EDGE PRODUCTS BUSINESS UNIT ENGINEERING DIVISION 2

ENGINEERING DEPARTMENT 2

Approved	Test Engineer
Y. Okayama	S. Ogiso
15. May. 2024	8. Mar. 2024

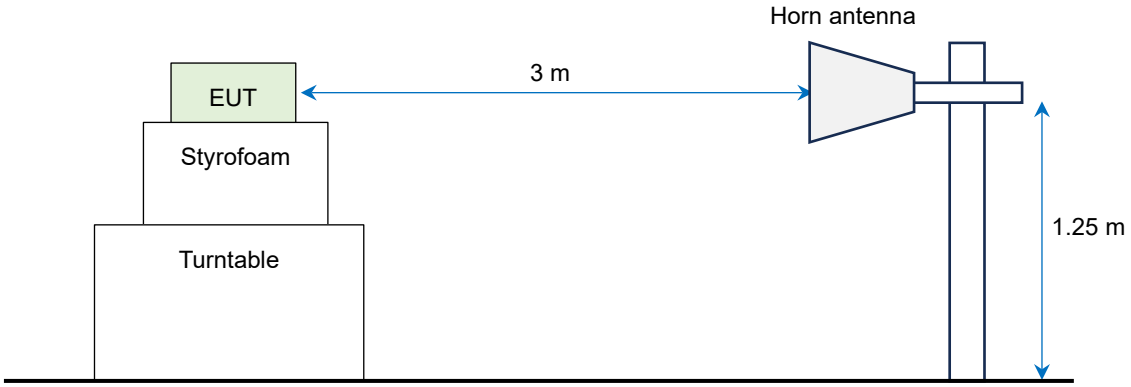
Location

DENSO WAVE INCORPORATED 1 Yoshiike Kusagi Agui-cho, Chita-gun, Aichi 470-2297

Radio-frequency anechoic chamber ; TDK Corporation. S/N. DA-13092

Configuration

Due to confidentiality, no photos will be posted.



EUT and equipment

	Model	S/N	Calibration Date
EUT	DENSO WAVE: 496951-2060 (UHF module for BHT-1408QUMWB)	J5-279	-
Network Analyzer	ANRITSU: MS46522B	2324101	June 23, 2023
Standard dipole antenna	ANRITSU: MA5612 B4	6200873467	June 23, 2023
Horn antenna	MFD BY DEVICE: ADP0020-1	0020-09066290065	June 23, 2023

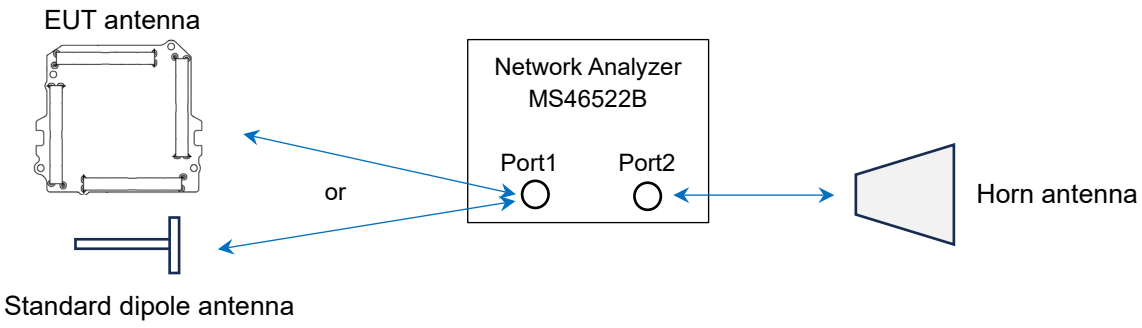
Temperature / Humidity

24 ℃ / 50 %RH

Procedure

Connect the EUT antenna or Standard dipole antenna to Port 1 of the network analyzer.

Connect the Horn antenna to Port 2 of the network analyzer.



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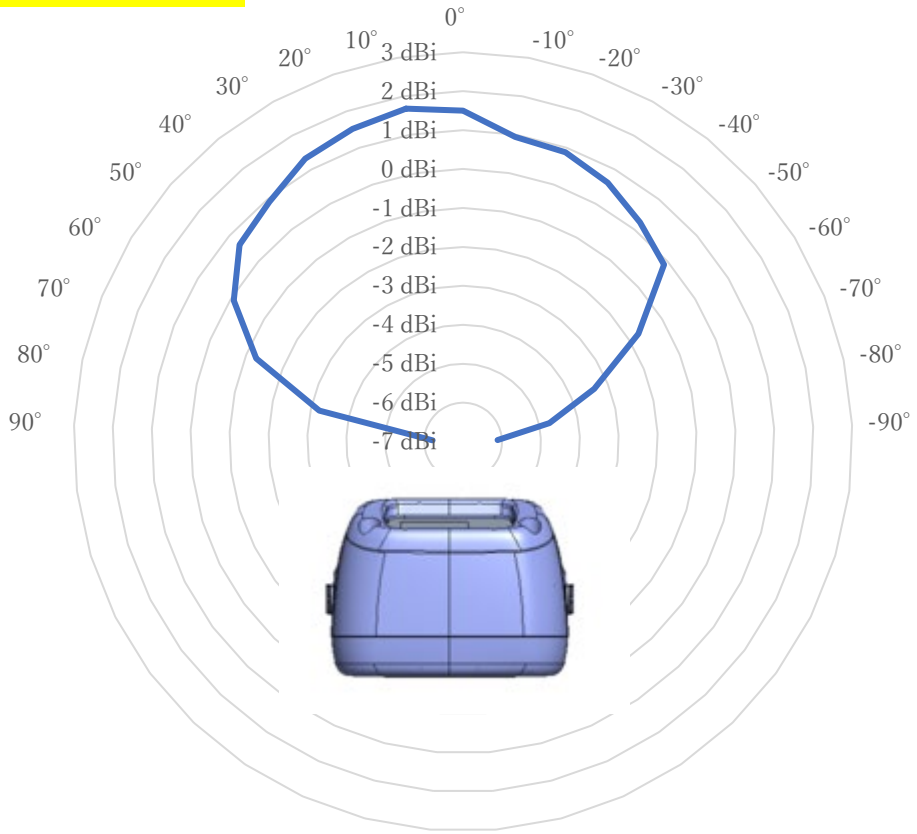
Test Result

X-axis at 920 MHz



Y-axis at 920 MHz