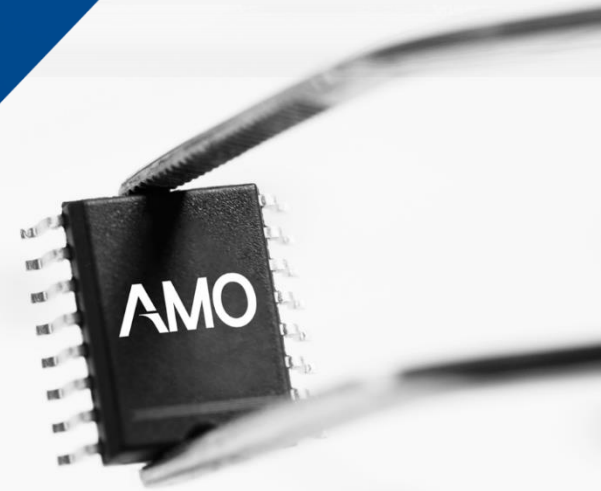


Antenna Specification

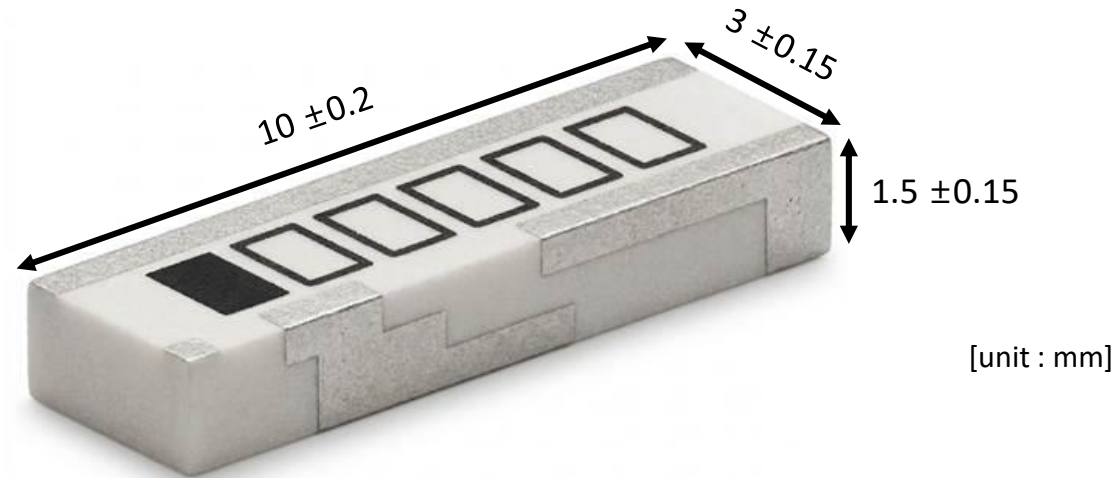
Customer	현대HT
Model	Thermostat
Application	Wifi 2.4GHz/5GHz
Amotech P/N	AMAN1003015ST12

2026 .05 .29



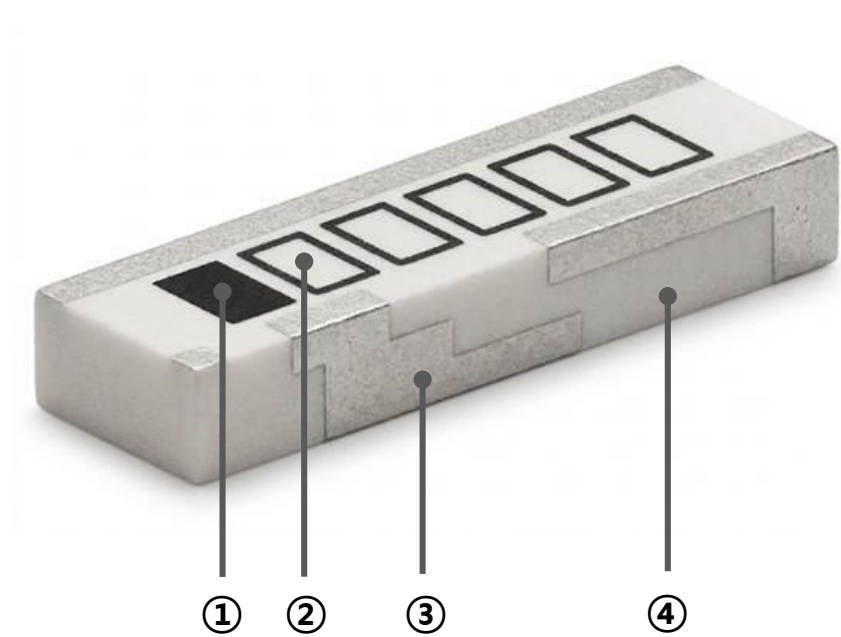
Confidential

1. Mechanical specification



No	Item	Specification
1	Antenna Type	Chip Type
2	Dimensions (L*W*H)	10.0 * 3.5 * 1.5 mm ³
3	Unit Weight	Typical 150 mg
4	Operating Temperature	-40 ~ +125 °C

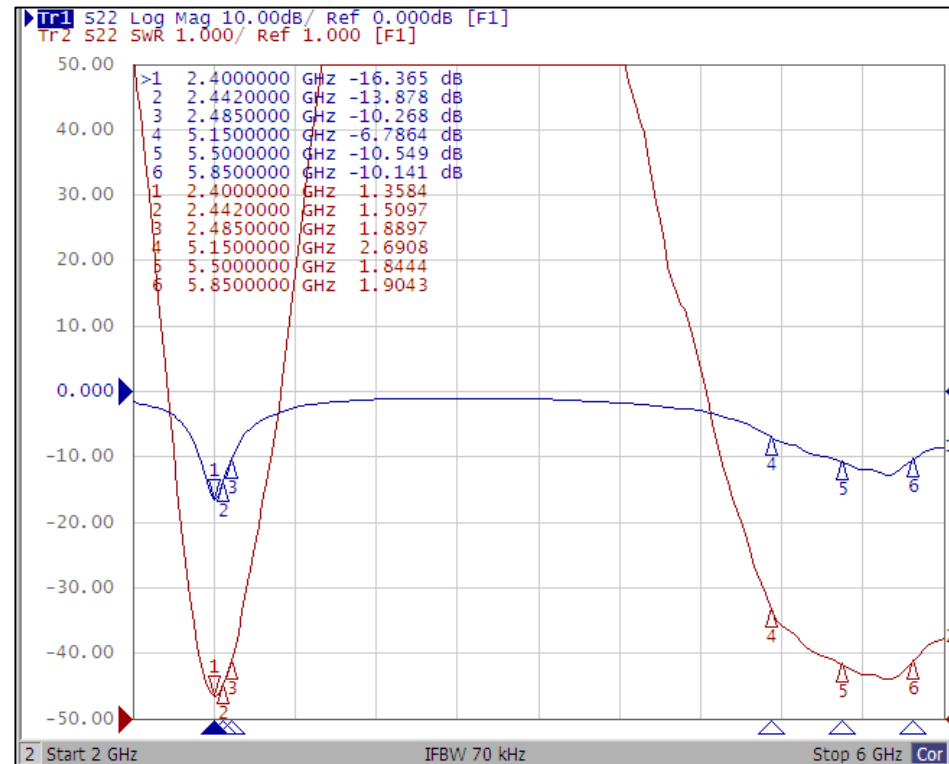
2. Appearance and material



No	Item	Function	Material
①	Marking	Feeding Index	Ink
②	Marking	Week number	Ink
③	Electrode	Radiation Element	Ag
④	Ceramic Body	-	Ceramic

3. Antenna Test result

- Measured Return-Loss & VSWR



3. Antenna Test result

- Passive Antenna gain Table :

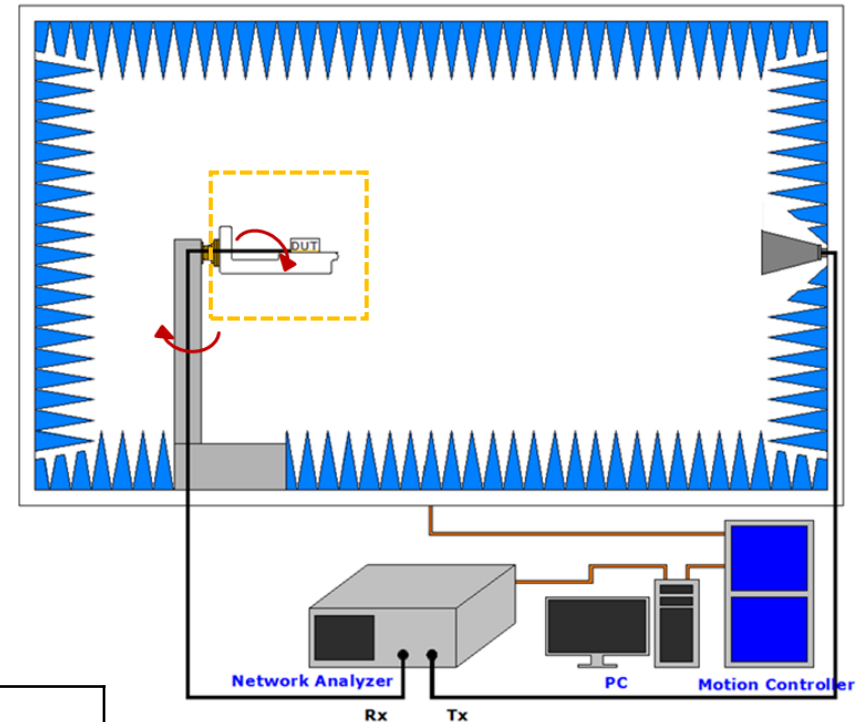
Frequency [MHz]	Efficiency [%]	Average gain [dBi]	Peak gain [dBi]
2400	57.59	-2.40	1.07
2442	53.94	-2.68	0.53
2485	47.24	-3.26	0.38
5150	45.29	-3.44	0.10
5500	65.60	-1.83	3.09
5850	57.34	-2.42	2.71

4. Antenna Electrical Specification

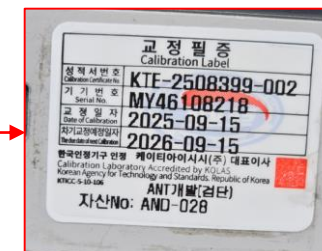
4-1. Test Site

AMOTECH Co.,Ltd.
57, Geomdan-ro, Geomdan-gu, Incheon, Republic of Korea

4-2. Test equipment



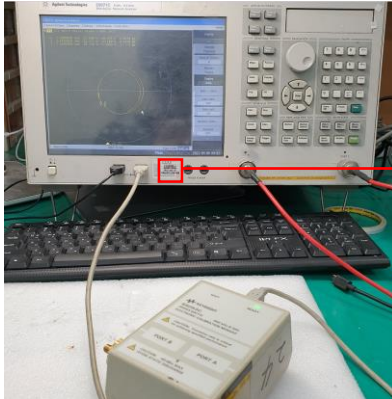
No	Equipment	Maker	MODEL
1	Anechoic Chamber	MTG	8*4*4 (Size)
2	Network Analyzer	KESIGHT	E5071C



- Date of Calibration : 2025-09-15
- The due date of next Calibration : 2026-09-15

4. Antenna Electrical Specification

4-3. Network Analyzer calibration



Ecal : Keysight 85093C



- Date of Calibration : 2025-09-15
- The due date of next Calibration : 2026-09-15

4-4. Test setup and photo

