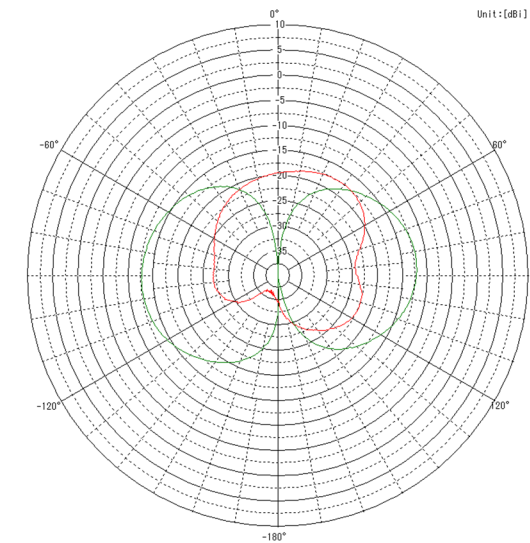


ATW-DT3207_DF2 Antenna Report

Specification	
Model	ATW-DT3207_DF2
Antenna Type	Antenna: FPC Antenna
Impedance	50Ω
Frequency Range	470.125MHz – 607.875MHz
Gain	-3.737dBi (Peak)
Manufacturer	Shanghai Ronghan Electronic Technology Co., Ltd

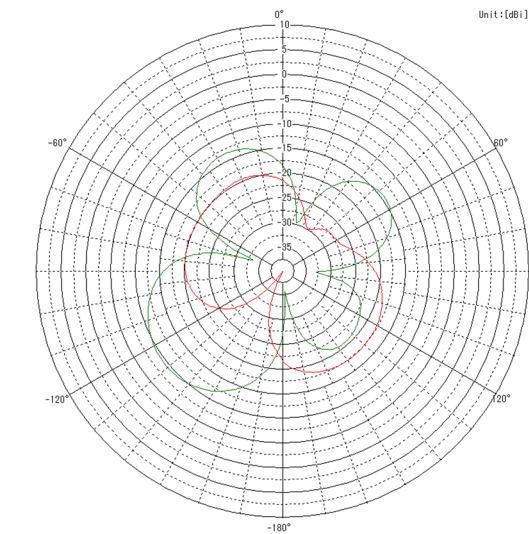
470.125MHz

①



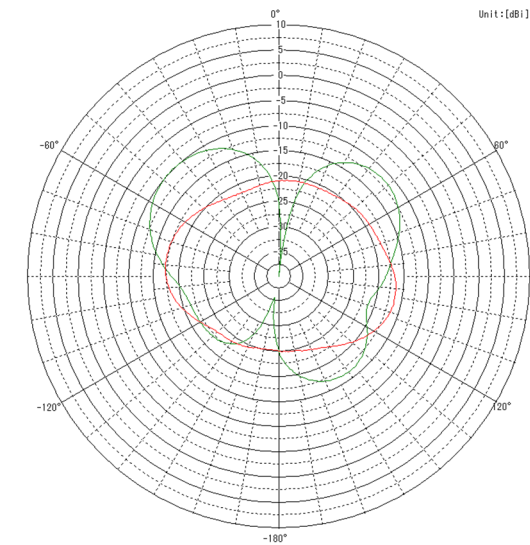
	周波数	偏波	ピーク	平均値
■	470.125MHz	H	-12.166dBi	-17.420dBi
■	470.125MHz	V	-17.476dBi	-23.927dBi

②



	周波数	偏波	ピーク	平均値
■	470.125MHz	H	-9.484dBi	-17.180dBi
■	470.125MHz	V	-17.516dBi	-21.947dBi

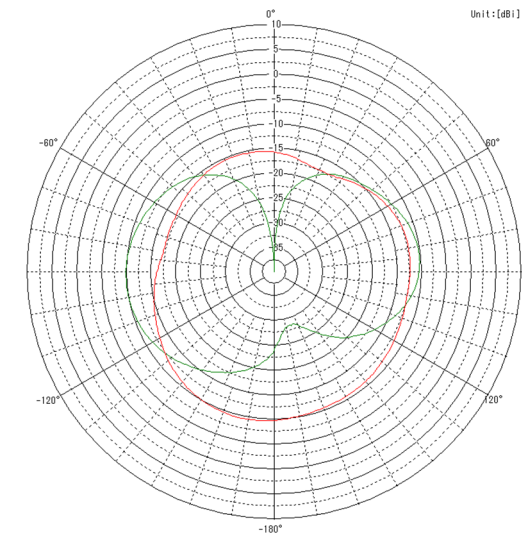
③



	周波数	偏波	ピーク	平均値
■	470.125MHz	H	-9.923dBi	-16.786dBi
■	470.125MHz	V	-16.439dBi	-20.276dBi

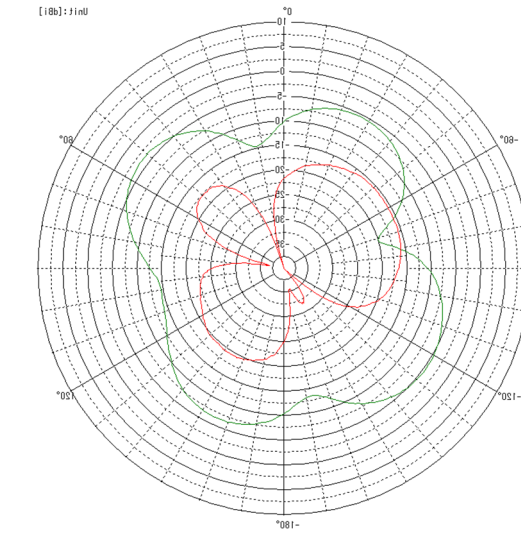
539.000MHz

①



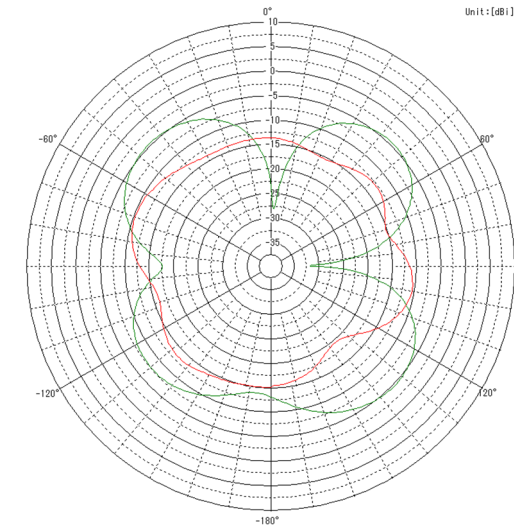
	周波数	偏波	ピーク	平均値
■	539.000MHz	H	-9.920dBi	-15.218dBi
■	539.000MHz	V	-9.615dBi	-13.277dBi

②



	周波数	偏波	ピーク	平均値
■	539.000MHz	H	-3.737dBi	-8.461dBi
■	539.000MHz	V	-15.393dBi	-20.903dBi

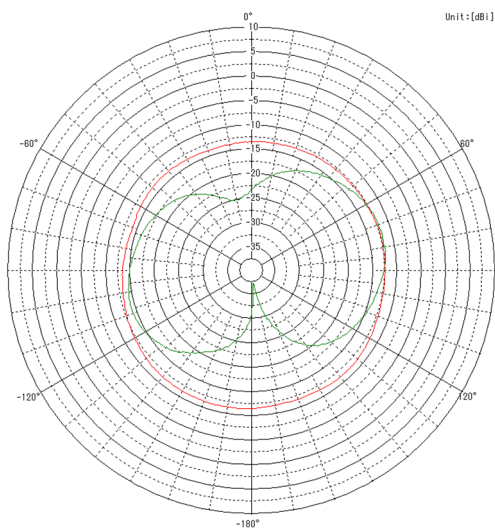
③



	周波数	偏波	ピーク	平均値
■	539.000MHz	H	-4.512dBi	-9.069dBi
■	539.000MHz	V	-10.319dBi	-13.894dBi

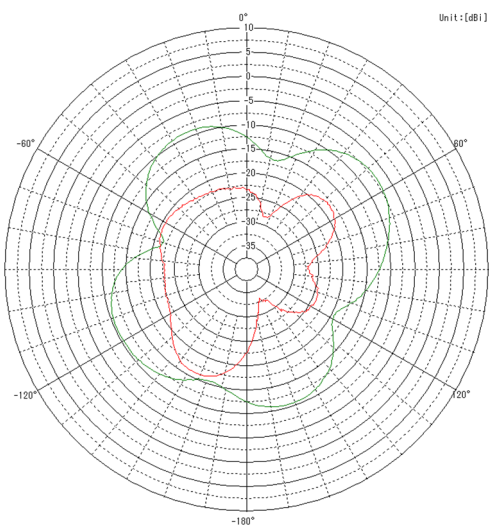
607.875MHz

①



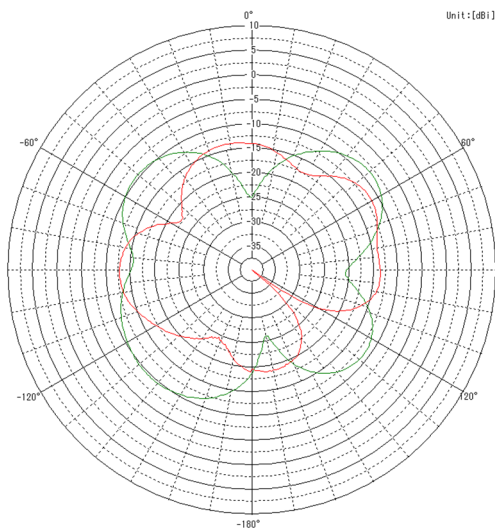
	周波数	偏波	ピーク	平均値
■	607.875MHz	H	-12.169dBi	-17.467dBi
■	607.875MHz	V	-11.335dBi	-12.584dBi

②



	周波数	偏波	ピーク	平均値
■	607.875MHz	H	-7.119dBi	-12.161dBi
■	607.875MHz	V	-16.034dBi	-22.248dBi

③



	周波数	偏波	ピーク	平均値
■	607.875MHz	H	-8.553dBi	-13.192dBi
■	607.875MHz	V	-11.571dBi	-16.634dBi

Test Facility

Test Site	Audio-Technica Fukui Inc.
Test Software	TY2100AM (TOYO Corporation)
Date	18/1/2026
Measurer	Takahiro Sengoku

Test Equipment

Equipment	Manufacturer	Model	Cal. Date	Cal. Due
Signal Generator	ROHDE&SCHWARZ	SMB 100A	09/6/2025	09/6/2028
Test Receiver	KEYSIGHT	N9038N	04/6/2025	04/6/2026
Antenna	SCHWARZBECK	VULB9168	30/5/2025	30/5/2026
Reference Antenna	SCHWARZBECK	UHALP9108-A	30/5/2025	30/5/2028

Test Procedure

1. The reference antenna with known antenna gain was placed on the top of the turntable 1.5 meter above ground and connected to the Signal Generator.
2. The receiving antenna was placed 3 meters far away from the center of the turntable and connected to the Spectrum analyzer.
3. Turn on the Signal analyzer output. The turntable was rotated by 360 degrees and the spectrum analyzer record the input level for each degree.
4. The maximum reading is the antenna gain of the reference antenna.
5. Replace the reference antenna with EUT.
6. Turn on the Signal analyzer output. The turntable was rotated by 360 degrees and the spectrum analyzer record the input level for each degree.
7. Subtract the maximum reading of the reference antenna and the measured reading of the EUT to obtain the radiation pattern of the antenna.
8. The peak reading is the antenna gain of EUT.