

AH00CDC Antenna Specification

Test Date : 2024/07/2 – 7/24
Tester : M.Shinpei(Nissei)
Approved : T.Shoji(ALPSALPINE)

ANT	Freq.	Gain (Peak)	Impedance	Comment
ANT1 Bluetooth 2.4G,5G,6G_WIFI (Chain1)	2.4GHz-2.5GHz 5.15GHz-5.875GHz 5.925-7.125GHz	-1.70dBi +2.73dBi +4.67dBi	50 Ohm	Gain(Peak)
ANT2 2.4G,5G,6G_WIFI (Chain2)	2.4GHz-2.5GHz 5.15GHz-5.875GHz 5.925-7.125GHz	-1.70dBi +3.30dBi +4.42dBi	50 Ohm	Gain(Peak)

Manufacturing Company : NISSEI ELECTRIC CO., LTD.

-Headquarters

<https://www.nissei-el.co.jp/company/group/>



HEAD OFFICE

1509 Okubo-cho, Chuo-ku, Hamamatsu-shi, Shizuoka-ken 432-8006

TEL +81-53-485-4705 / FAX +81-53-485-5109

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Radiation Pattern(ANT1)

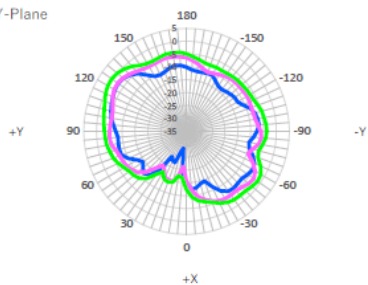
H [dBi]

V [dBi]

H+V [dBi]

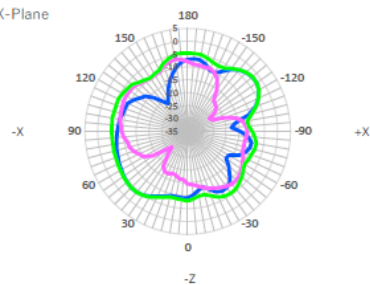
2.450 GHz

XY-Plane



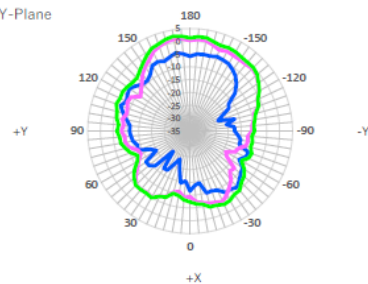
2.450 GHz

ZX-Plane



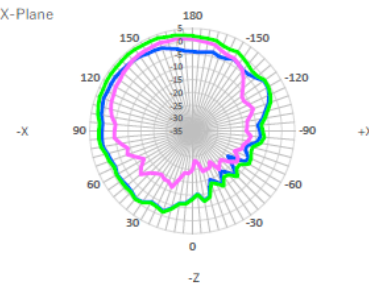
5.500 GHz

XY-Plane



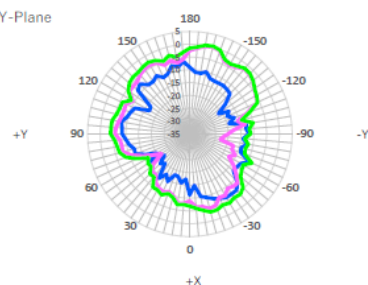
5.500 GHz

ZX-Plane



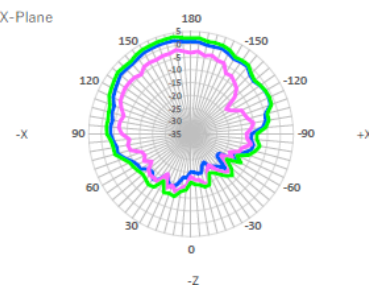
6.425 GHz

XY-Plane



6.425 GHz

ZX-Plane

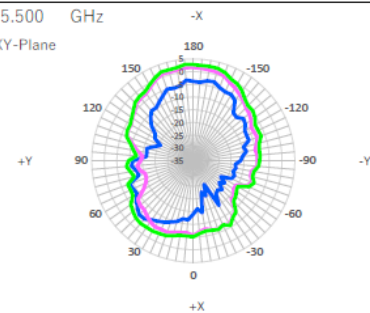
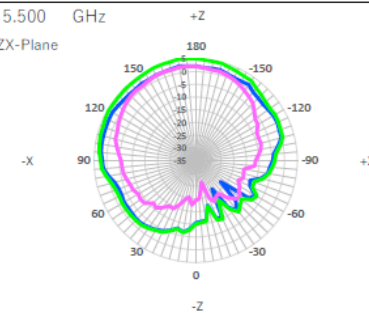
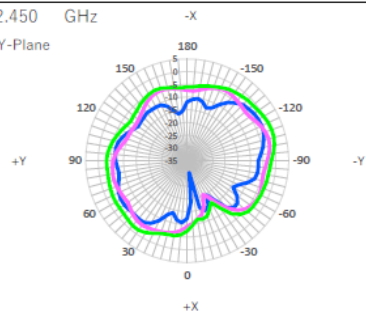
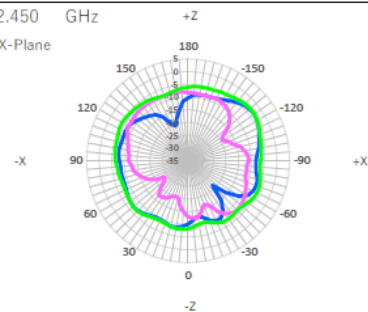
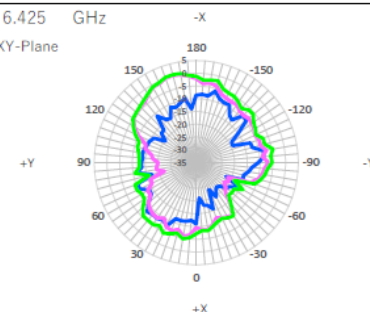
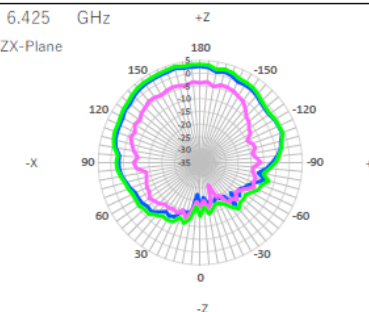


Radiation Pattern(ANT2)

H [dBi]

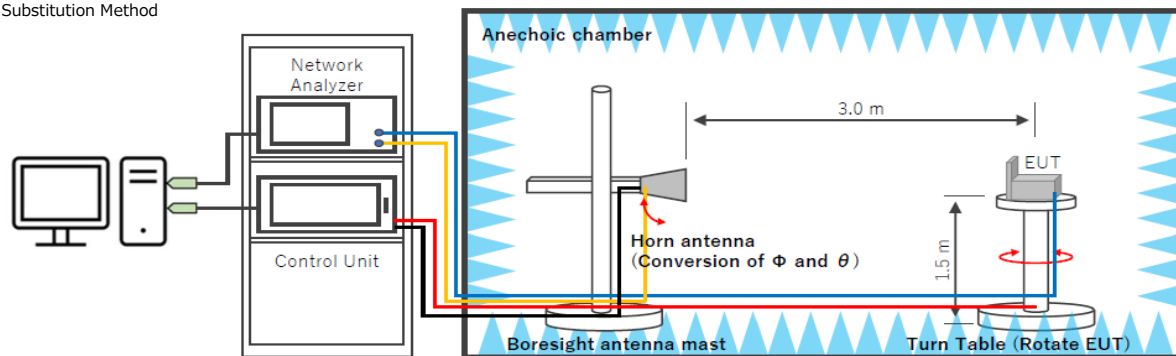
V [dBi]

H+V [dBi]

5.500 GHz
XY-Plane5.500 GHz
ZX-Plane2.450 GHz
XY-Plane2.450 GHz
ZX-Plane6.425 GHz
XY-Plane6.425 GHz
ZX-Plane

Measurement environment

Standard Substitution Method



Device	Type/Model	Serial	Manufacturer	Calibration date
Anechoic chamber	-	602477-0	NISSEI ELECTRIC CO., LTD.	-
Turn Table	-	602477-0	NISSEI ELECTRIC CO., LTD.	-
Control Unit	-	602544-1	NISSEI ELECTRIC CO., LTD.	-
Boresight antenna mast	-	602477-0	NISSEI ELECTRIC CO., LTD.	-
Horn antenna	3115	9107-3687	ETS-Lindgren	-
Horn antenna for Cal.	SH800	SH800-0126	SATIMO	2024/7
Port Cable 0.1GHz~18.5GHz	MCCA011	-	NISSEI ELECTRIC CO., LTD.	-
Ferrite Cable 2.5m - 0.1GHZ~18.5GHz	X10511A	-	NISSEI ELECTRIC CO., LTD.	-
Network Analyzer	P9372A	MY57212766	Keysight	2024/6