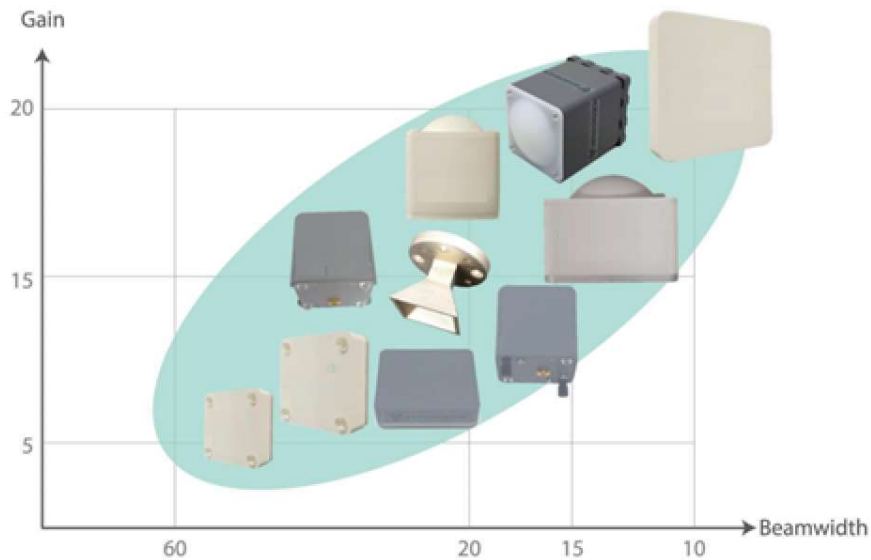

mmWave 안테나 (28GHz)

강점

- 높은 이득 성능
- 빔 조절을 통한 Gain 개선
- 초저손실 소재 및 유연성
- 경량
- 실내 및 시험실 사용 가능
- 다양한 주파수 대역 사용 가능



24 ~ 29.5 GHz single band
37.5 ~ 43.5 GHz single band
24 ~ 29.5 / 37.5~43.5 GHz Dual band
24~26.5 / 26.5~29.5 / 37.5~40.5GHz Triple band
24~26.5 / 26.5~29.5 / 37.5~40.5 / 40.5~43.5 Quadruple band
24 ~ 43.5 GHz broadband
50 ~ 75 GHz band
77 GHz band

ISAN0001_옥내용

- 실내 솔루션의 고이득 안테나
- 사용자 Customization 가능

Specification

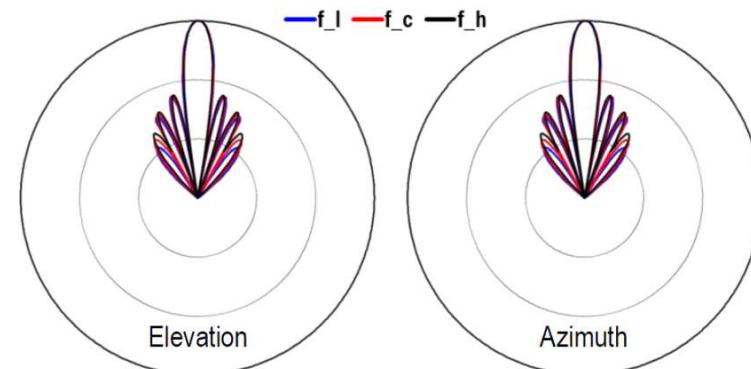
Electrical		
Frequency range [GHz]		27.5 ~ 28.5
Polarization		Linear
Band width [GHz]		1
Gain [dBi]		18
HPBW [°]	Elevation	15 ± 4
	Azimuth	15 ± 4
VSWR		$\leq 2:1$
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	45 x 55 x 55
Weight [kg]	≤ 0.2
Connector type & No.	2.92mm(f) x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0002_옥내용

- 실내 솔루션의 고이득 안테나
- 사용자 Customization 가능

Specification

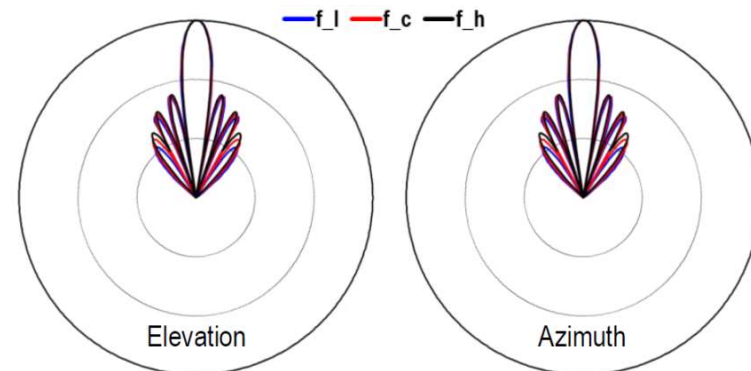
Electrical		
Frequency range [GHz]		27.5 ~ 28.5
Polarization		Linear
Band width [GHz]		1
Gain [dBi]		20
HPBW [°]	Elevation	12 ± 3
	Azimuth	12 ± 3
VSWR		$\leq 2:1$
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	77 x 55 x 55
Weight [kg]	≤ 0.2
Connector type & No.	2.92mm(f) x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0005_옥내용

- 실내 솔루션에서 다중적용이 가능한 다양한 gain
- 수동식/기계식을 통한 작동 메커니즘

Specification

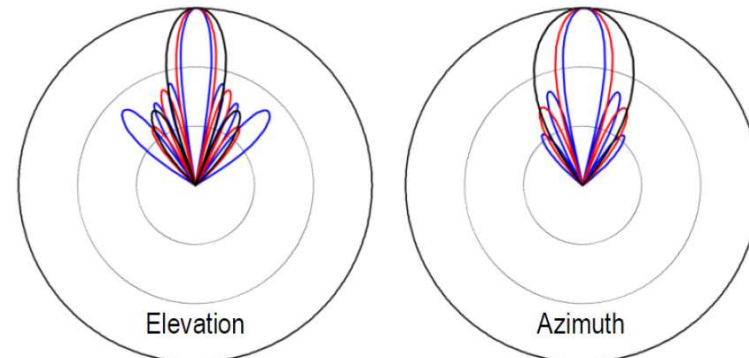
Electrical		
Frequency range [GHz]		27.5 ~ 28.5
Polarization		Linear
Band width [GHz]		1
Gain [dBi] (<i>Adjustable</i>)		6 ~ 10
HPBW [°] (<i>Adjustable</i>)	Elevation	13 ~ 25 ± 5
	Azimuth	18 ~ 40 ± 5
VSWR		≤ 2:1
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	44 x 44 x 44
Weight [kg]	≤ 0.2
Connector type & No.	SMP x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0010_측정용

- 좁은 빔 안테나
- 테스트 및 측정용 안테나

Specification

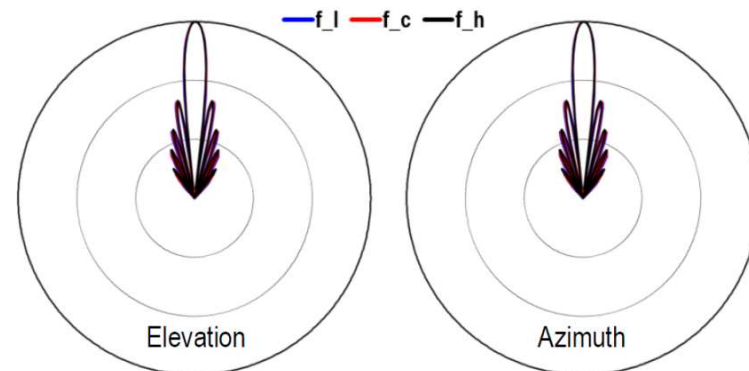
Electrical		
Frequency range [GHz]		26.5 ~ 29.5
Polarization		Linear
Band width [GHz]		3
Gain [dBi]		21
HPBW [°]	Elevation	8 ± 1
	Azimuth	8 ± 1
VSWR		$\leq 2:1$
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	10 x 90 x 90
Weight [kg]	≤ 0.3
Connector type & No.	2.92mm(f) x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0016_측정용

- 원형편파 horn 안테나
- 테스트 및 측정에서 AUT용 검증 안테나
- WR28 포트 또는 WR28-2.4mm 컨버터 추가

Specification

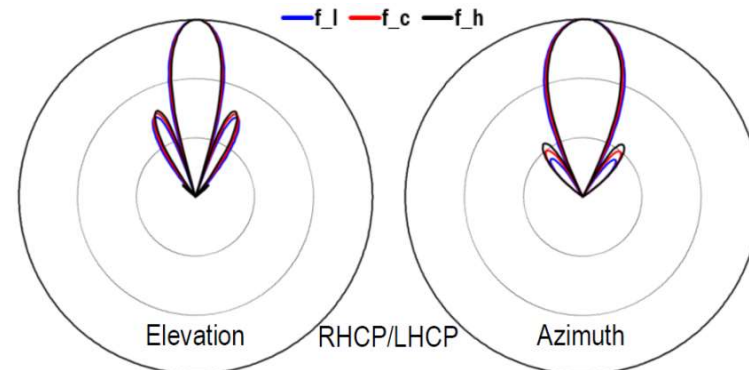
Electrical		
Frequency range [GHz]		24 ~ 43.5
Polarization		RHCP or LHCP
Band width [GHz]		19.5
Gain [dBic]		13
HPBW [°]	Elevation	30 ± 10
	Azimuth	36 ± 10
Axial ratio [dB]		≤ 3.5
VSWR		$\leq 1.7:1$
Impedance [Ω]		Waveguide

Mechanical	
Dimension (HxWxD) [mm]	24 x 15 x 18
Weight [kg]	≤ 0.2
Flange type	WR28
Material	Bronze or Aluminum
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0050_원형편파실내용

- 원형 편파 안테나 및 이중 대역
- 테스트 및 측정에서 AUT용 검증 안테나

Specification

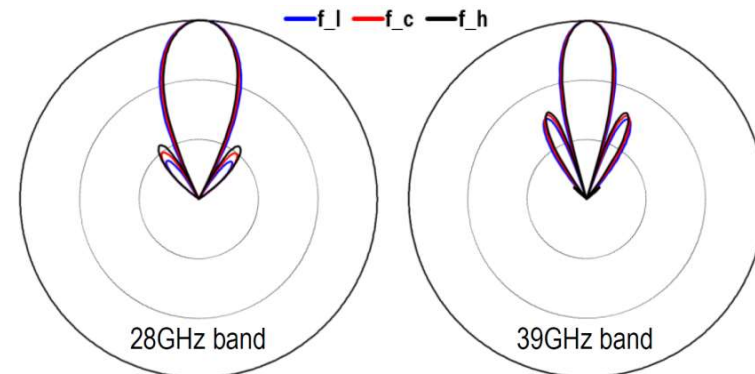
Electrical		
Frequency range [GHz]		26.5~29.5 / 37.5~40.5
Polarization		RHCP or LHCP
Band width [GHz]		3 / 3
Gain [dBic]		11 / 12
HPBW [°]	Elevation	29 / 20
	Azimuth	33 / 23
Axial ratio [dB]		≤ 3
VSWR		≤ 2:1
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	22 x 42 x 42
Weight [kg]	≤ 0.2
Connector type & No.	2.92 mm (f) x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0051_측정용

- 삼중 대역용 원형 편파 안테나
- 테스트 및 측정에서 AUT용 검증 안테나

Specification

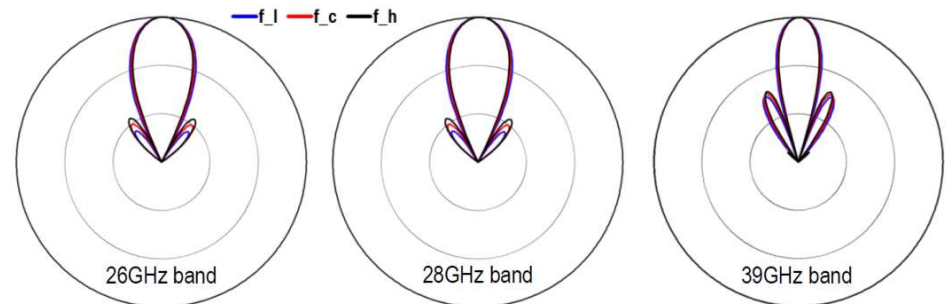
Electrical		
Frequency range [GHz]		24~26.5 / 26.5~29.5 / 37.5~40.5
Polarization		RHCP or LHCP
Band width [GHz]		2.3 / 3 / 3
Gain [dBic]		11
HPBW [°]	Elevation	25 / 20 / 17
	Azimuth	33 / 29 / 33
Axial ratio [dB]		≤ 3
VSWR		≤ 2:1
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	26 x 42 x 42
Weight [kg]	≤ 0.2
Connector type & No.	2.92 mm (f) x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern



ISAN0052_측정용

- 4중 대역용 원형 편파 안테나
- 테스트 및 측정에서 AUT용 검증 안테나

Specification

Electrical		
Frequency range [GHz]		24~26.5 / 26.5~29.5 / 37.5~40.5 / 40.5~43.5
Polarization		RHCP or LHCP
Band width [GHz]		2.3 / 3 / 3 / 3
Gain [dBic]		11
HPBW [°]	Elevation	25 / 20 / 17 / 15
	Azimuth	33 / 29 / 33 / 27
Axial ratio [dB]		≤ 3
VSWR		≤ 2:1
Impedance [Ω]		50

Mechanical	
Dimension (HxWxD) [mm]	22 x 42 x 42
Weight [kg]	≤ 0.2
Connector type & No.	2.4 mm (f) x 1
Radome material & color	PC / White
Temperature [°C]	-40 ~ 70

Model



Pattern

