

RF TEST ENCLOSURE

mmwave shielding box

DATA SHEET



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RF TEST ENCLOSURE

RT-5330

DATA SHEET



1. 특징

RT-5330 RF Test Enclosure 는 5G 무선통신 단말기 측정을 위한 최적의 환경을 제공하도록 구성 되어있으며, 아래 와 같은 특징을 가지고 있다

- Simple 한 구성과 뛰어난 내구성
- 편리한 사용법 및 유지보수
- 2 개의 I/O Panel 적용
- 고성능 RF Absorber 모든 내부 벽면 적용
- 2 중 차폐 구조 적용.
- 상하 좌우 벽면에 Fixture 부착용 Mounting hole 적용
- 5G 전 주파수 대역에 적용 가능
- 5G antenna assembly 부착 (optional)

2.제품 사양

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	456	514	399
Outer Size (Opened)	480	818	399
Inner Size	350	370	320
Weight	Approx. 33 Kgf		
Packing Size	555	770	570
Packing Weight	Approx. 38 Kgf		
Interface	I/O Panel : IA-Series		

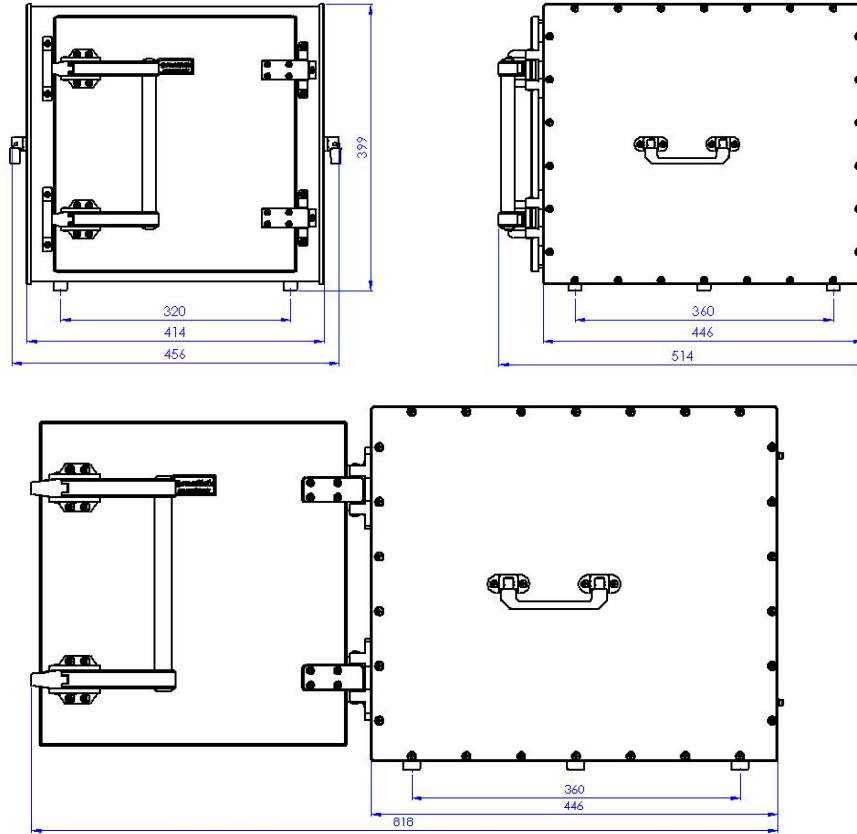
차폐 효과

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5 - 6	> 70
6 - 40	> 60
40~67 (optional)	> 60

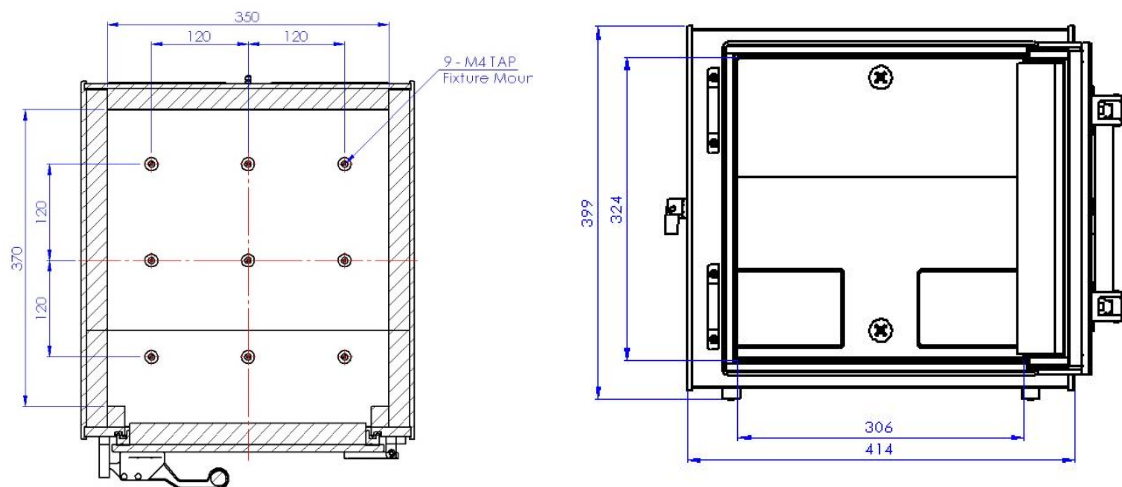
본 차폐효과의 결과 치는 blank I/O Panel 을 장착한 후 측정한 결과 입니다.

3. Dimensions

Outside Dimensions



Inside Dimensions



RF TEST ENCLOSURE

RT-5331

DATA SHEET



1. Main features

RT-5331 RF Test Enclosure 는 무선통신 단말기 측정을 위한 최적의 환경을 제공하도록 구성 되어있으며, 아래 와 같은 특징을 가지고 있다

- Simple 한 구성
- 편리한 사용법 및 유지보수
- 2 개의 I/O Panel 적용
- 고성능 RF Absorber 모든 내부벽면 적용
- 2 중 차폐 구조 적용.
- 상하 좌우 벽면에 Fixture 부착용 Mounting hole 적용
- 5G 전 주파수 대역에 적용 가능

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	476	444	294
Outer Size (Opened)	522	767	294
Inner Size	366	317	211
Weight	Approx. 18.5 Kgf		
Packing Size	585	530	385
Packing Weight	Approx. 22.5 Kgf		
Interface	I/O Panel : IA-Series		

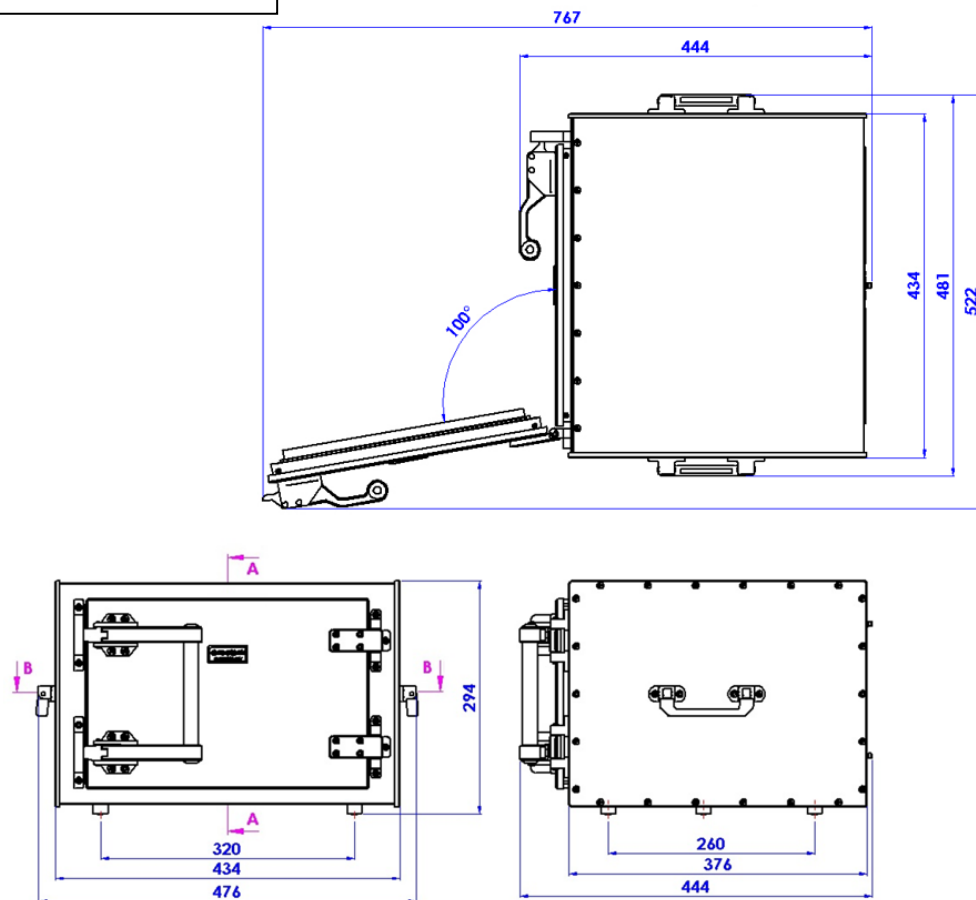
Shielding effectiveness

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5 - 6	> 70
6 - 40	> 60
40 – 67 (optional)	> 60

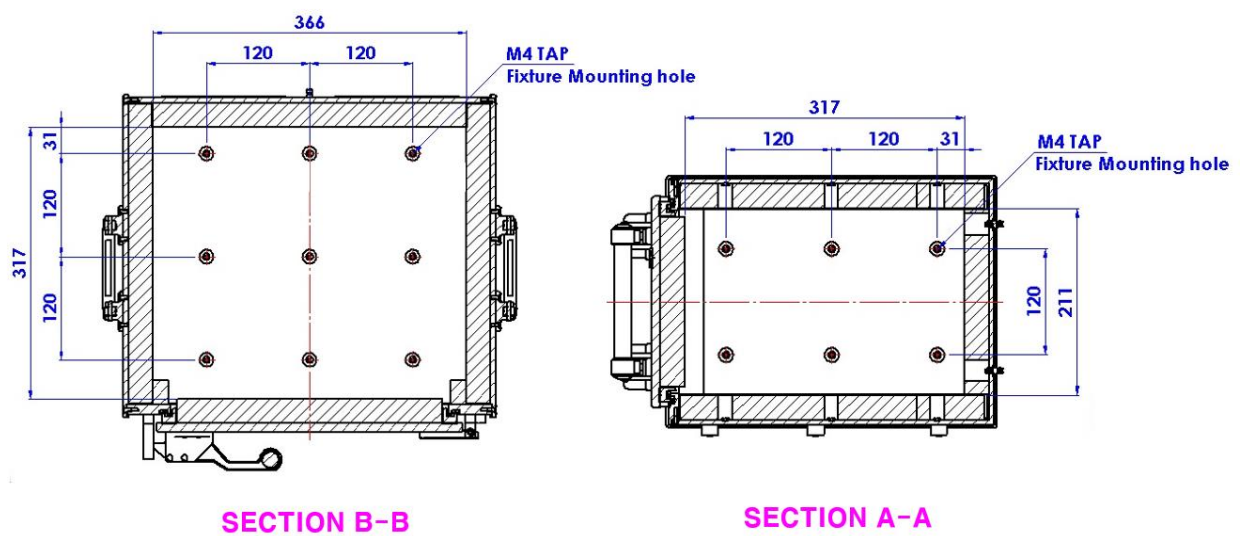
** 본 차폐효과의 결과 치는 blank I/O Panel 을 장착한 후 측정한 결과 입니다.**

3. Dimensions

Outside Dimensions



Inside Dimensions



RF TEST ENCLOSURE

RT-5340

DATA SHEET



1. 특징

RT-5340 RF Test Enclosure 는 5G 무선통신 단말기 측정을 위한 최적의 환경을 제공하도록 구성 되어있으며, 아래 와 같은 특징을 가지고 있다

- Simple 한 구성과 뛰어난 내구성
- 편리한 사용법 및 유지보수
- 2 개의 I/O interface panel, 1 개의 Antenna interface panel
- 고성능 RF Absorber 모든 내부 벽면 적용
- 2 중 차폐 구조 적용.
- 상하 좌우 벽면에 Fixture 부착용 Mounting hole 및 Standoff 적용
- 5G 전 주파수 대역에 적용 가능
- 5G antenna assembly 부착 가능 (optional)

2.제품 사양

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	874	905	715
Outer Size (Opened)	1482	905	715
Inner Size	760	761	670
Weight	Approx. 60 Kgf		
Packing Size	1020	1150	915
Packing Weight	Approx. 75 Kgf		
Interface	I/O Panel : IA-Series		

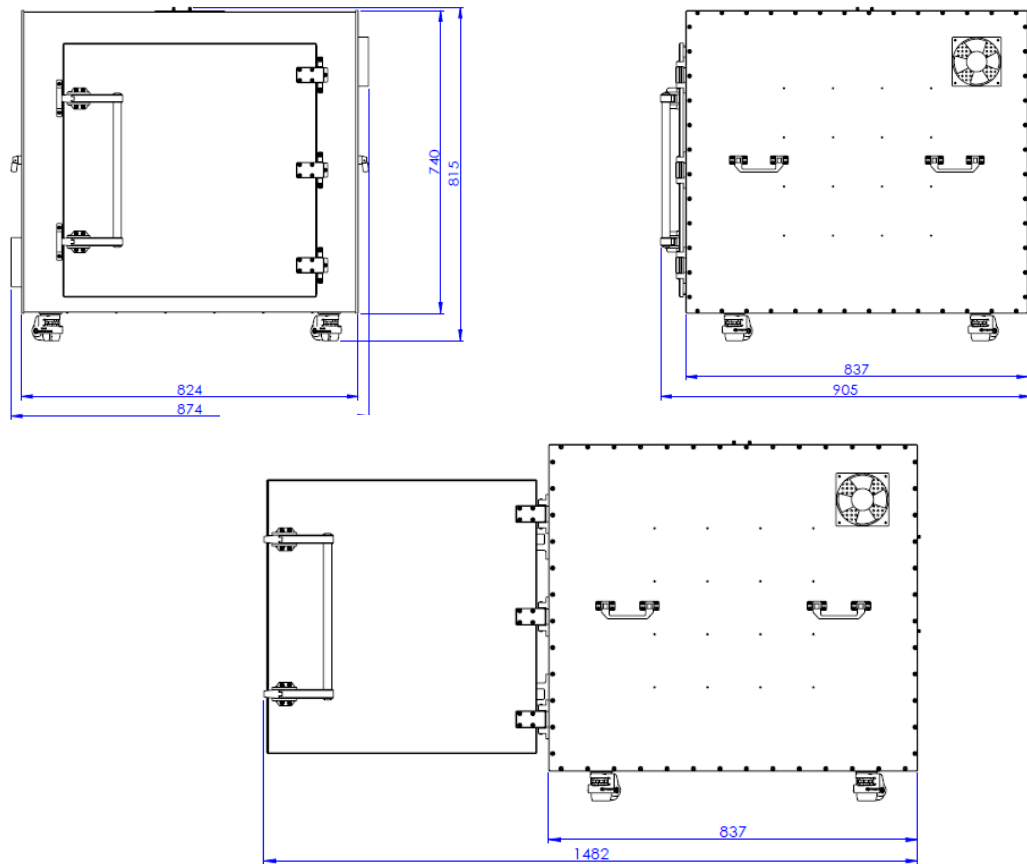
차폐 효과

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5 - 6	>70
6 - 40	>60
40~67 (optional)	>60

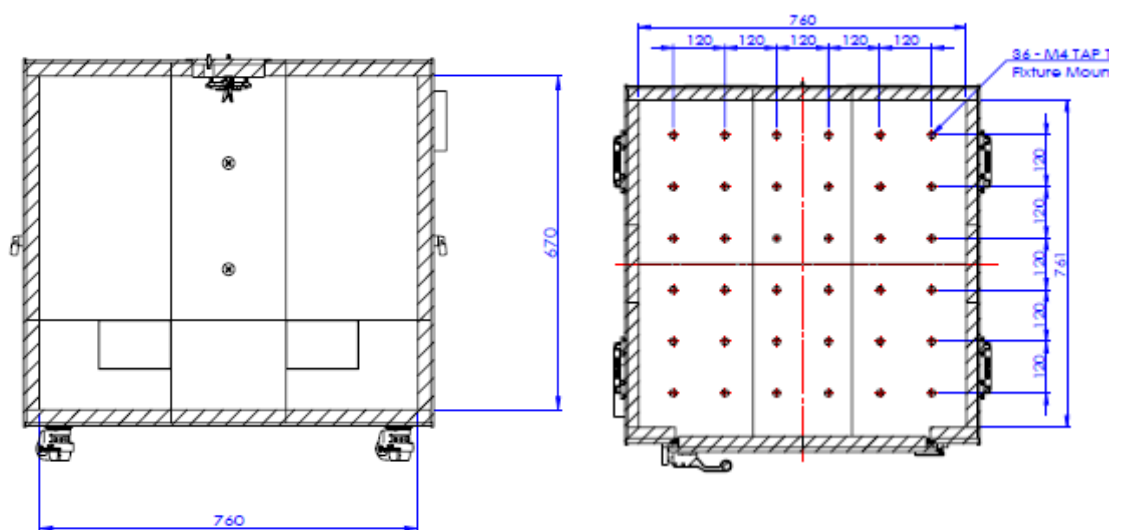
본 차폐효과의 결과 치는 blank I/O Panel 을 장착한 후 측정한 결과 입니다.

3. Dimensions

Outside Dimensions



Inside Dimensions

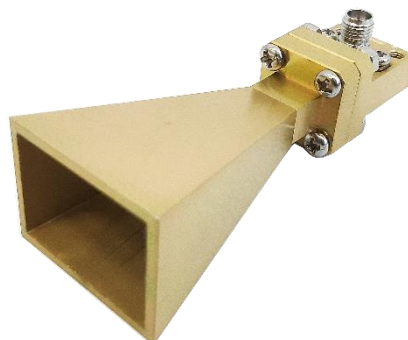


4-1 . Optional antenna

Product Feature

- Rectangular Waveguide Interface
- 26.5GHz to 40 GHz
- Minimum 16dBi Gain

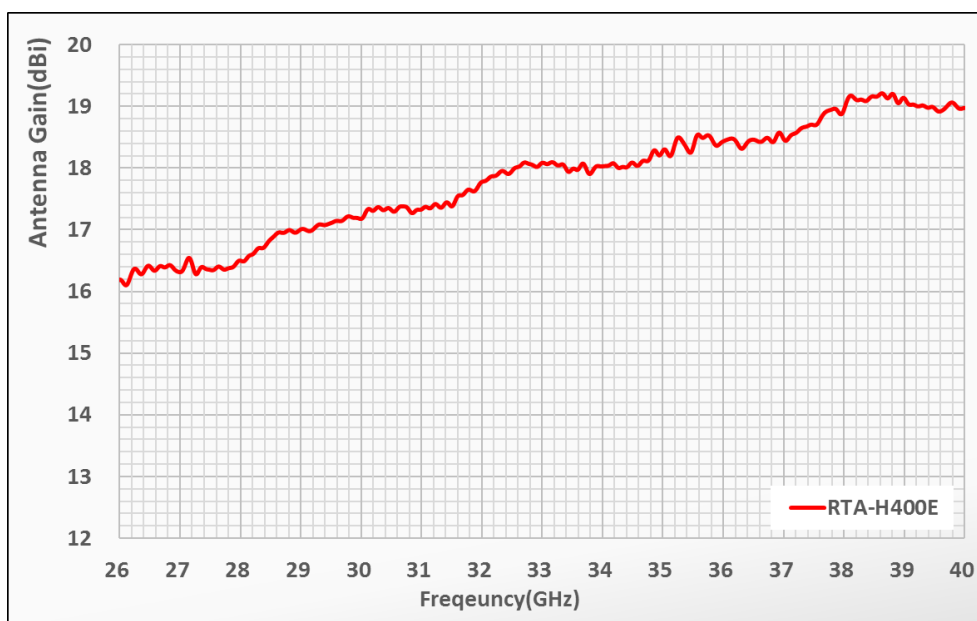
RTA-H400K



Specification

Parameter	Value	Unit	Description
Frequency	26.5 ~ 40.0	GHz	
Dimension	32.0mm(W) X 58.0mm(D) X 24.0mm (H)	mm	
Interface	WR-28, UG-599/U Square Cover Flange	-	
HPBW	E - Plane: 27.7° H - Plane: 26.0°	degree	Simulated results @ 28GHz

Measurement Data



4-2 . Optional antenna #2

Product Feature

- Wide band Antenna
- Dual Polarization
- Directional Antenna

RTA-Q400K

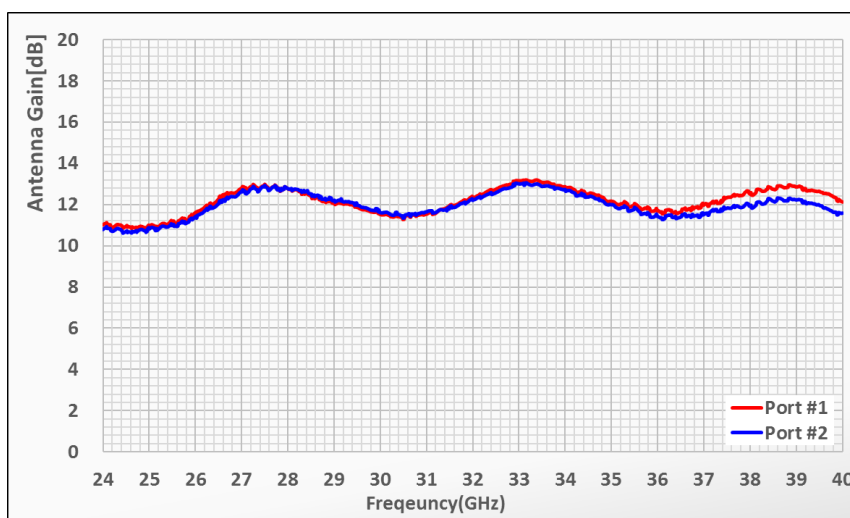


Specification

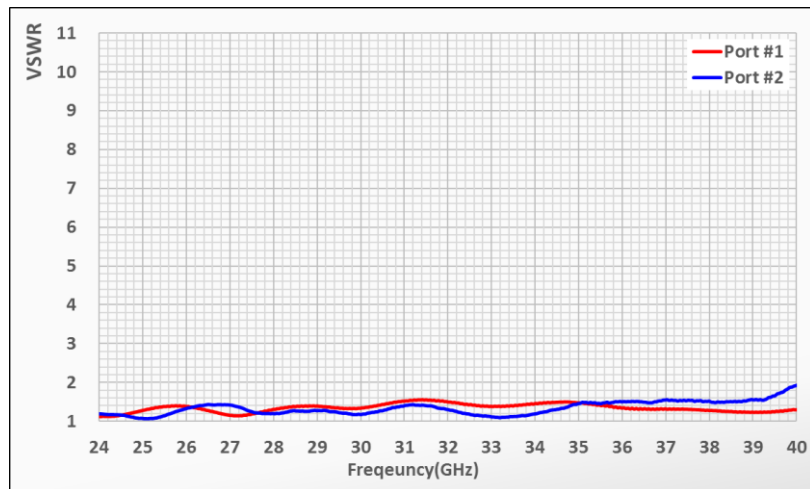
Parameter	Value	Unit	Description
Frequency	24 ~ 40	GHz	
Gain	12	dB	Typical
VSWR	< 2.2 @ 24 ~ 40 GHz	-	
Cross Pol. Isolation	> 20dB		
Cross Port Isolation	> 20dB		
Dimension	49.6(W) X 49.6(D) X 52.3mm (H)	mm	Included connector
Interface	2.92mm(K-Type) Connector	-	Female

Measurement Data

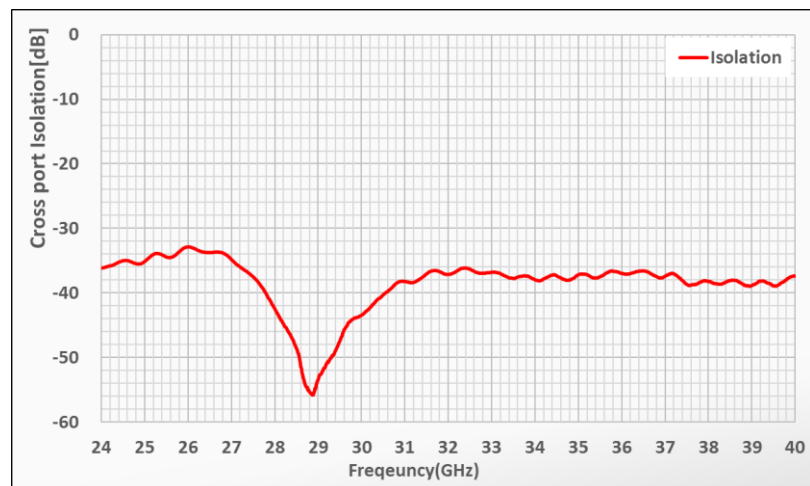
1. Antenna Gain



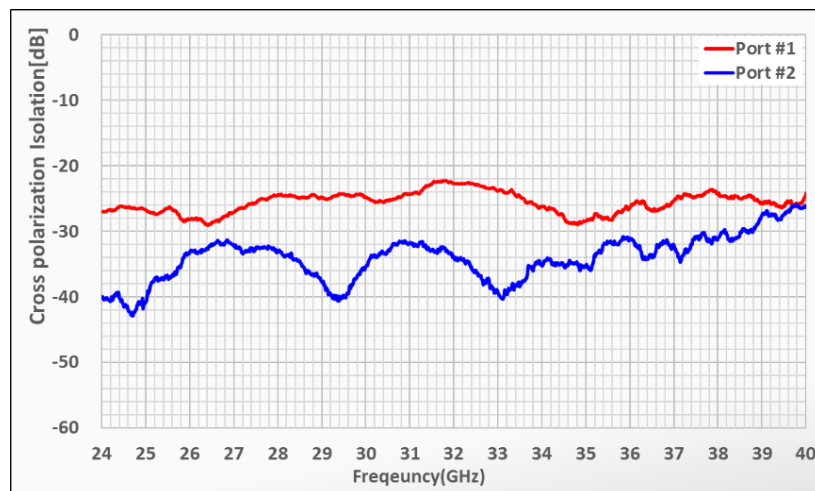
2. Antenna VSWR



3. Cross Port Isolation



4. Cross Polarization Isolation



4-3 . Optional antenna #3

Product Feature

- 1.85mm(V) Connector Interface
- 50GHz to 65GHz
- Minimum 17dBi Gain

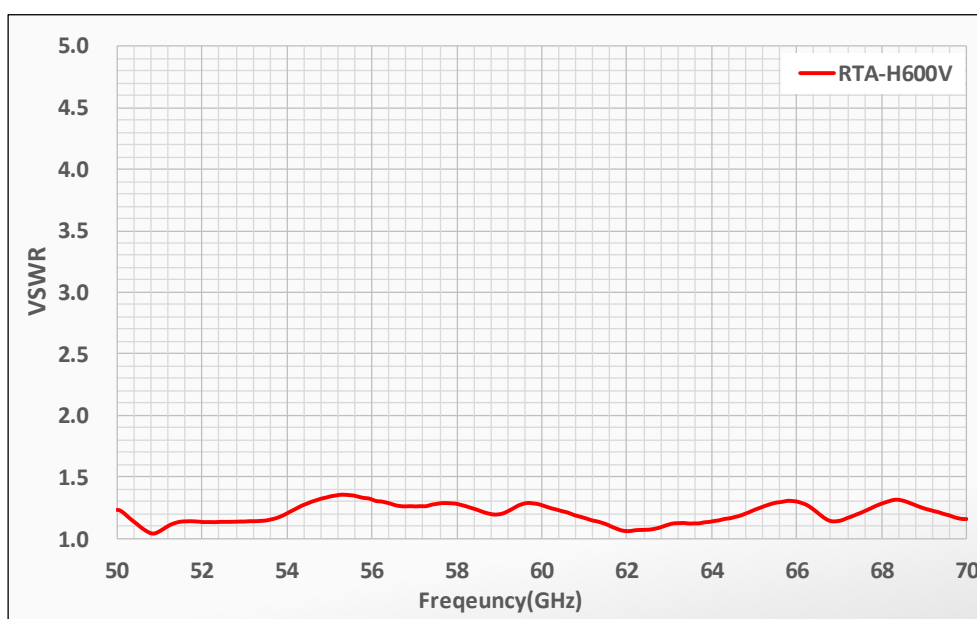
RTA-H600V

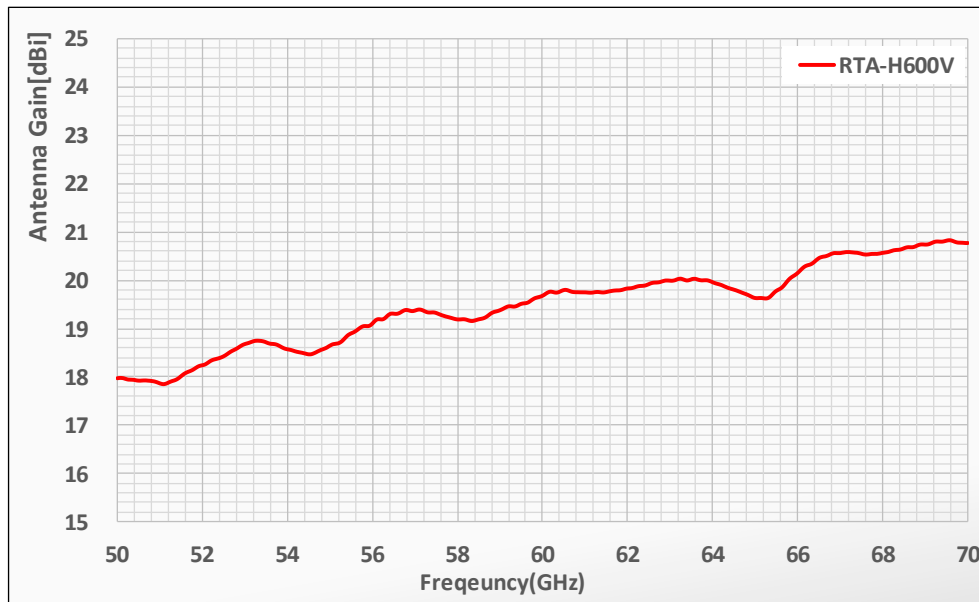


Specification

Parameter	Value	Unit	Description
Frequency	50 ~ 65	GHz	
Dimension	23.0mm(W) X 52.0mm(D) X 22.6mm (H)	mm	Included connector
Interface	1.85mm(V) Connector	-	Female
HPBW	E - Plane: 18.7° H - Plane: 17.3°	degree	Simulated results @ 60GHz

Measurement Data





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** Specification of chamber can be updated without prior notice **