



# 1559-1610, 2400-2500, 5150-5875 & 5925-7125 MHz GNSS / Wi-Fi 6E BAND CABLED ANTENNA

Part Numbers: 2108937-1, 2108937-2  
2108937-3, 2108937-4

## FEATURES & BENEFITS

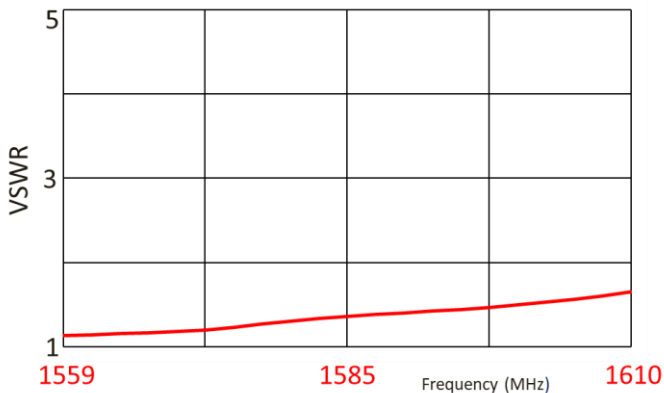
- GNSS, also including Wi-Fi 6E **new 6GHz** band, Bluetooth, ZigBee
- Adhesive backing on the FPC simplifies mounting within the device
- Different cable length and connector options available

## SPECIFICATIONS

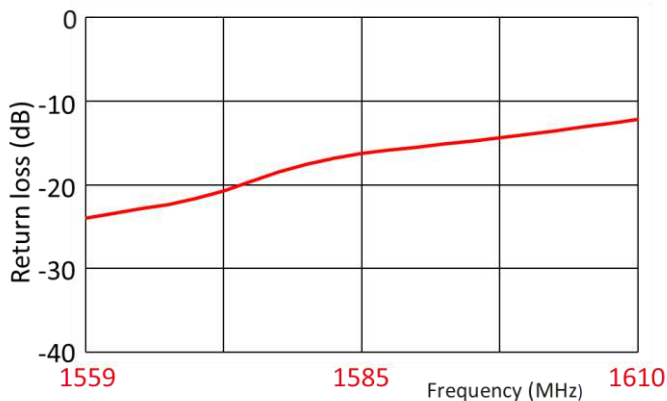
Frequency Range (MHz)	1559 - 1610	2400 - 2500	5150 - 5875	5925 - 7125
VSWR	< 1.7:1	< 1.6:1	< 1.8:1	< 1.4:1
Average Efficiency	61 %	59 %	49 %	48 %
Peak Gain	1.2 dBi	0.4 dBi	0.6 dBi	4.2 dBi
Average Gain	-2.2 dBi	-2.3 dBi	-3.1 dBi	-3.3 dBi
Power Handling	10 Watt cw			
Feed Point Impedance	50 ohms unbalanced			
Polarization	Linear			
Size	50.0 mm x 15.0 mm x 0.15mm			
Weight	< 1.05 g			
Mounting	Adhesive Tape			
Mating Connector	MHF-type receptacle (TE PN 2337019-1)			
Cable	Coaxial Cable : 1.13mm Dia.			
Operating Temperature	-40 to +85°C			
Storage Temperature	-40 to +85°C			
Hazardous Materials	A certificate of conformance is available from the product page on TE website			

## RF DATA

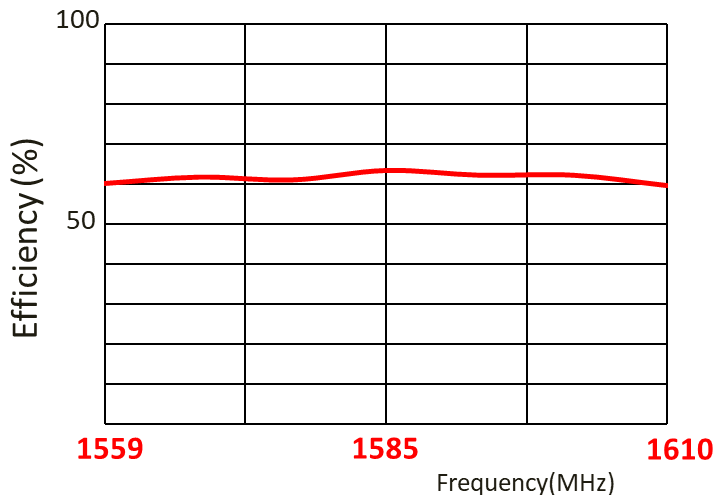
### VSWR



### Return Loss



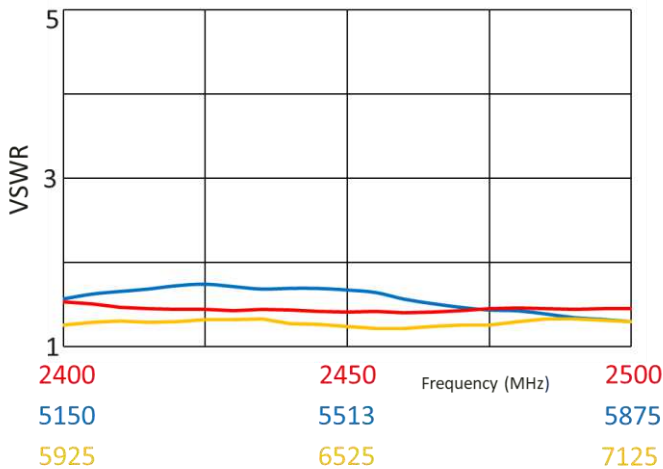
### Efficiency



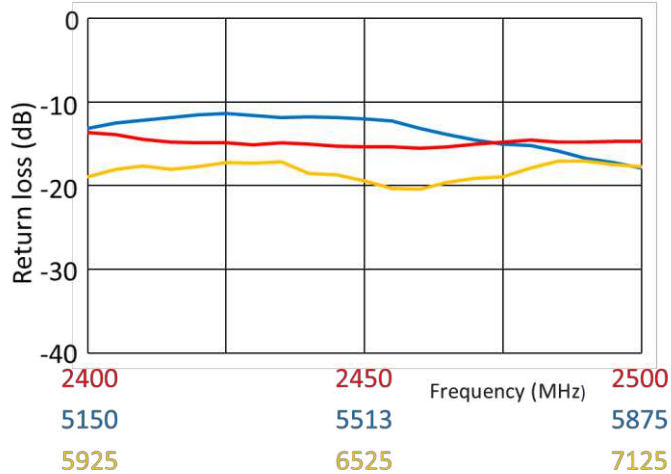
Data measured in free space and on plastic device enclosure

## RF DATA

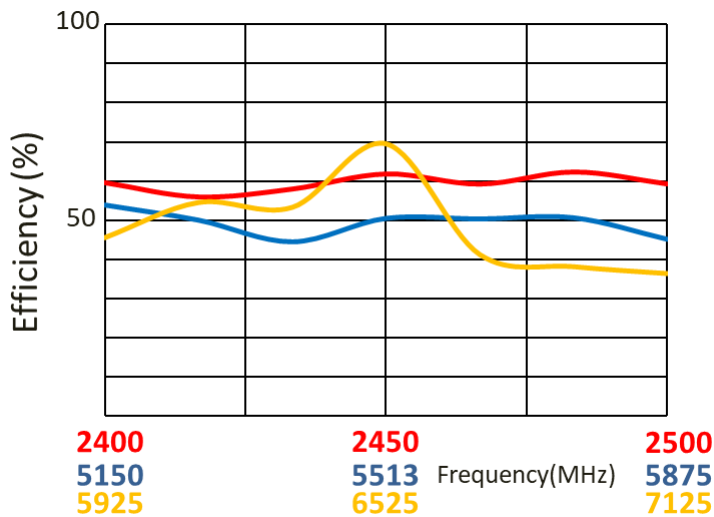
VSWR



Return Loss



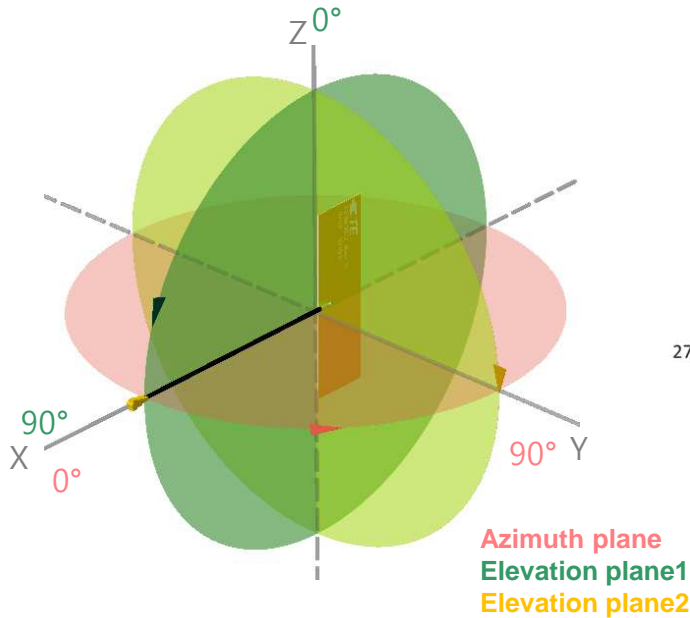
Efficiency



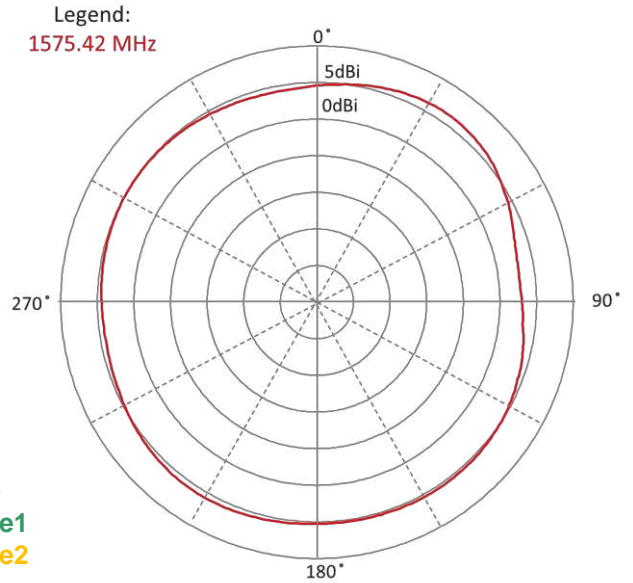
Data measured in free space and on plastic device enclosure

## RADIATION PATTERN

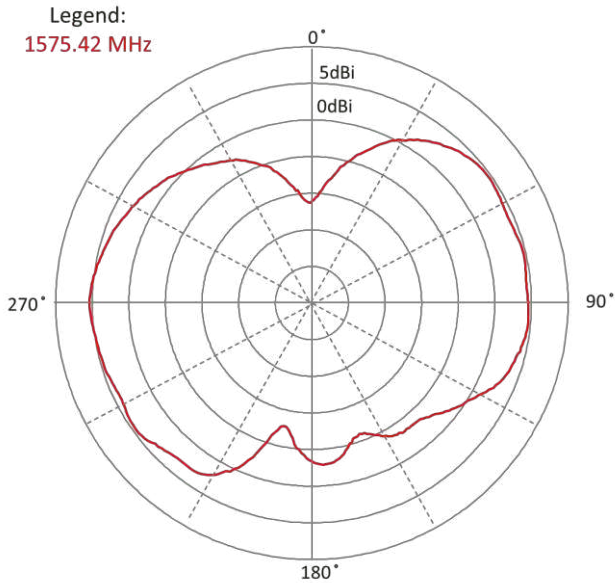
### Test setup



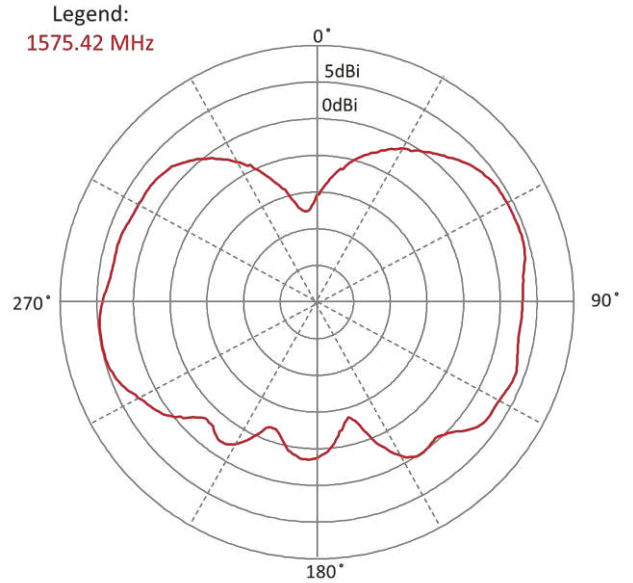
### Azimuth



### Elevation 1



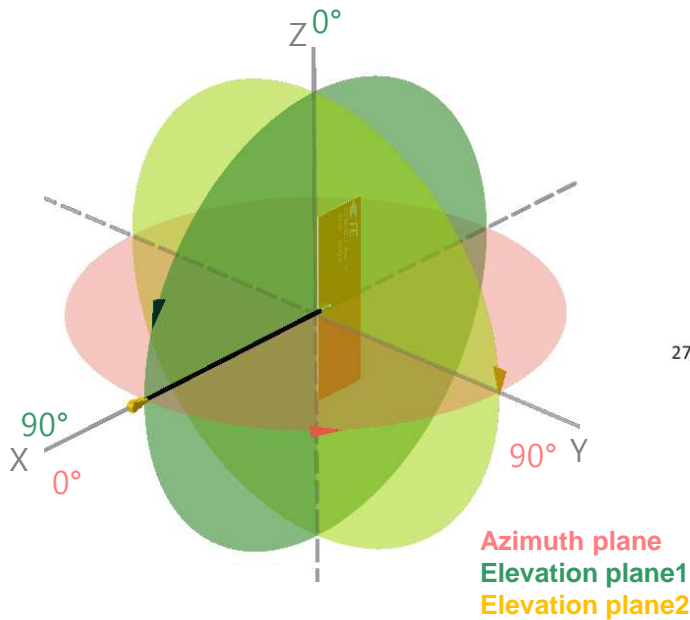
### Elevation 2



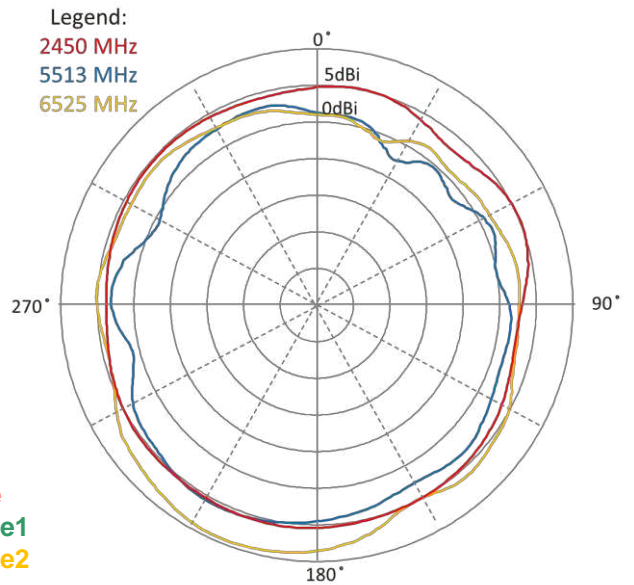
Data measured in free space and on plastic device enclosure

## RADIATION PATTERN

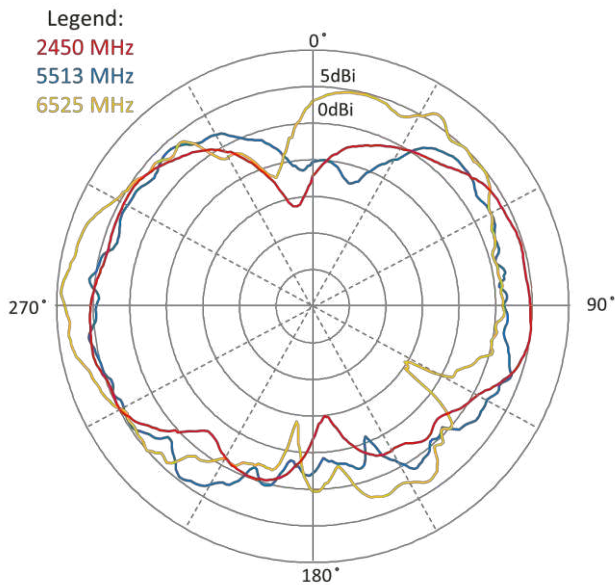
### Test setup



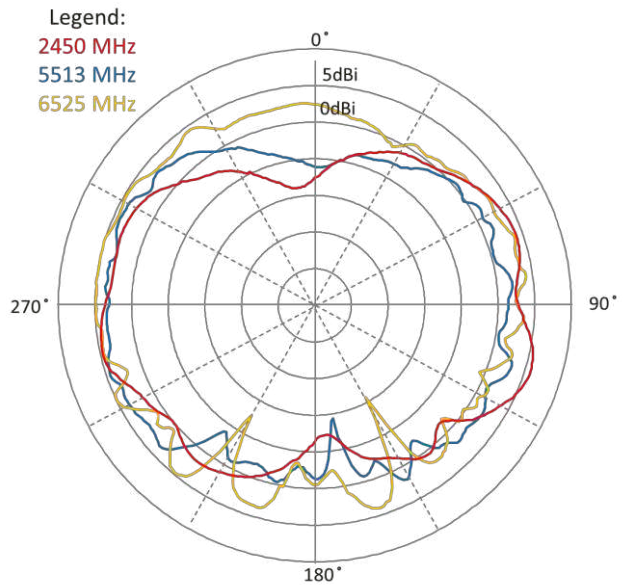
### Azimuth



### Elevation 1

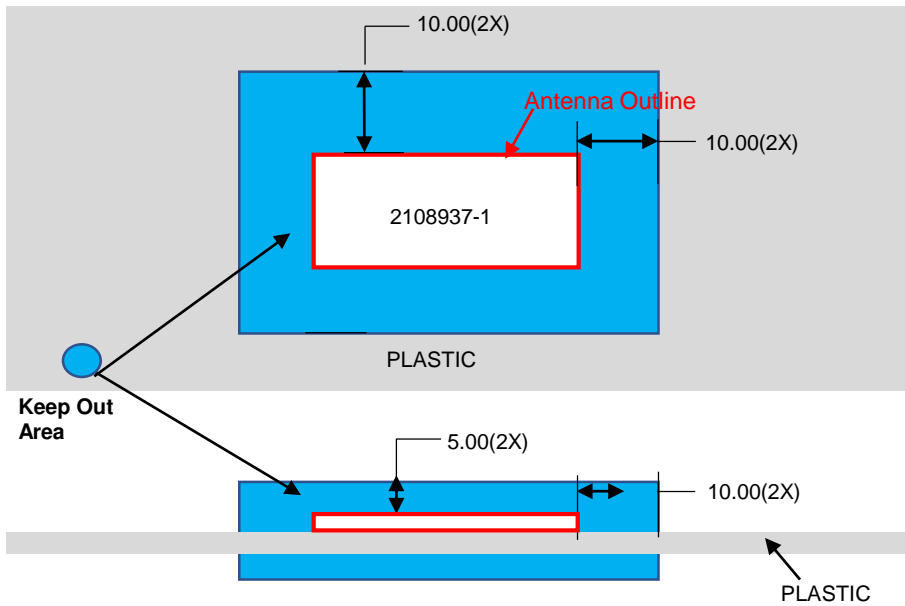


### Elevation 2



Data measured in free space and on plastic device enclosure

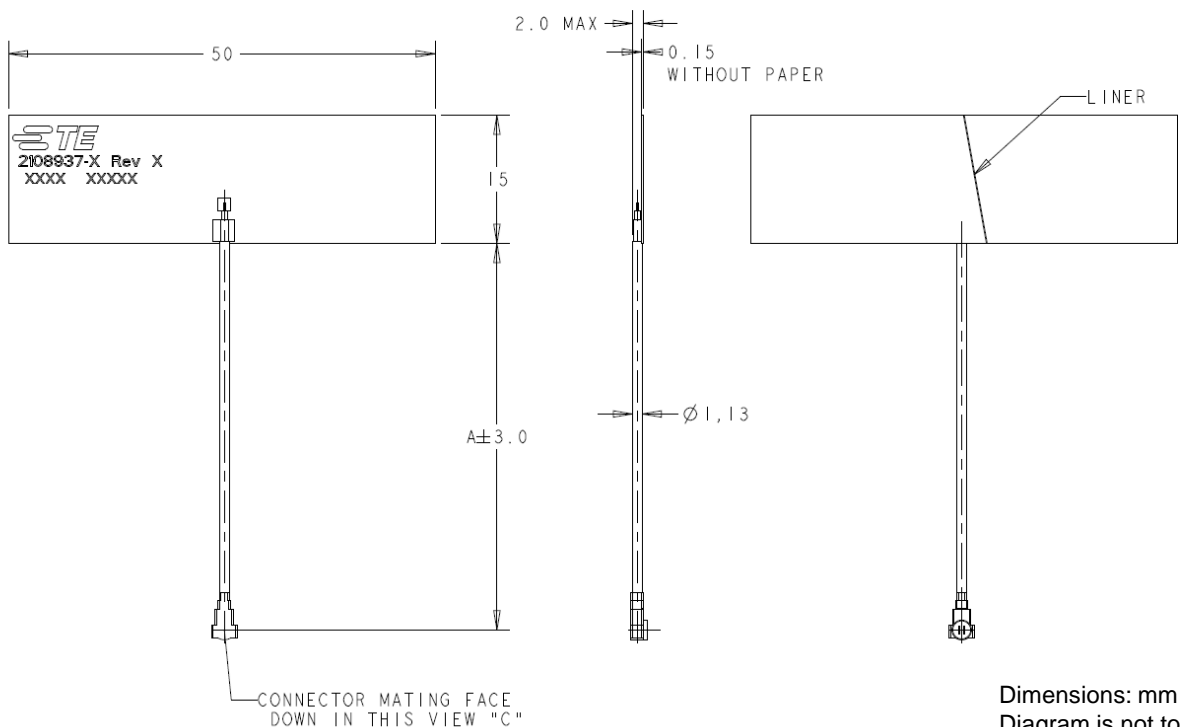
## KEEP OUT AREA



- NOTES: 1. Antenna designed to be mounted on plastic cover.  
 2. Area in Blue above indicates Keep Out Area.  
 3. For more information please call TE.


Dimensions: mm  
 Diagram is not to scale

## DIMENSIONS

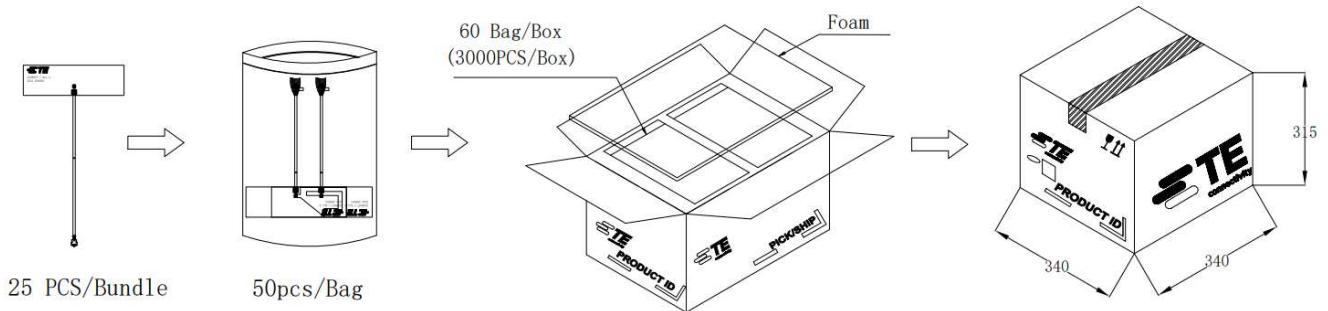


Dimensions: mm  
 Diagram is not to scale

## MATING COMPONENTS

2108937-1	50.0	1.968	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2108937-2	100.0	3.937			
2108937-3	150.0	5.905			
2108937-4	200.0	7.784			
PART NUMBER	MM	INCH	CONNECTOR TYPE (ON CABLE)	PART NUMBER	IMAGE
	CABLE LENGTH(A)			MATING COMPONENTS	

## PACKAGING



### TE TECHNICAL SUPPORT CENTER

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 Mexico: +52 (0) 55-1106-0800  
 Latin/S. America: +54 (0) 11-4733-2200  
 Germany: +49 (0) 6251-133-1999  
 UK: +44 (0) 800-267666  
 France: +33 (0) 1-3420-8686  
 Netherlands: +31 (0) 73-6246-999  
 China: +86 (0) 400-820-6015

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