#### **External MIMO 4x5G NR Dome Antenna AECR1808X4** 189 x 182 x 85 mm Request Samples () Check Inventory **RoHS/RoHS II Compliant** MSL Level = 1 **Applications** Features Wide band : $600 \text{ MHz} \sim 6 \text{ GHz}$ •

- MIMO 4x 5G NR/4G LTE •
- Global 4G/LTE cellular band coverage including • CAT M and NB-IoT
- 4 dBi Gain •
- IP67 rated •
- Screw Mount solution .
- Fully customizable RF cable and connector options •

### **Product Image**

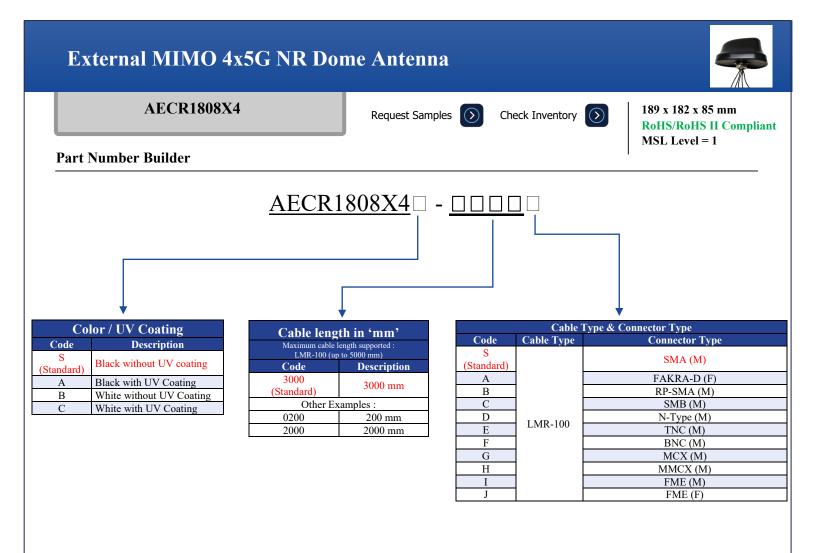
- 5G
- IoT
- M2M
- Smart City
- Transportation
- Smart Agriculture
- Geolocation and Tracking
- 5G NR, CBRS, Private LTE, 4G LTE applications





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#### **Example Configurations :**

Part Number	UV Protection Coating / Color	Cable length	Cable Type / Connector Type
AECR1808X4 <mark>S</mark> - <u>3000</u> S	No / Black	3000 mm	4xLMR-100 with 4xSMA (M) for 5G NR (Standard)
AECR1808X4 <mark>A</mark> - <u>1000</u> A	Yes / Black	1000 mm	4xLMR-100 with 4xFAKRA-D (F) for 5G NR

#### Note :

- For the standard part number (AECR1808X4<mark>S-3000</mark>S), please refer to the packaging at the end of the document.
- For additional configuration (AECR1808X4 $\Box$ - $\Box\Box\Box\Box$ ), MOQs, pricing and packaging changes may be applicable.



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## External MIMO 4x5G NR Dome Antenna

### AECR1808X4

Request Samples 🕥

Check Inventory

189 x 182 x 85 mm RoHS/RoHS II Compliant MSL Level = 1

#### **Electrical Specification**

Parameter		Specification	Unit	
	Min	Тур	Max	Omt
MIMO 4x 5G NR (Main + Aux)				
Operating Frequency	600		6000	MHz
VSWR			4.0	
Peak Gain			4	dBi
Impedance		50		Ω
Polarization		Linear	•	
Power Rating			10	W

#### **Mechanical Specification**

Parameter		Specification	
Antenna Dimension		189 x 182 x 85 mm	
Material		PC + ABS	
Mounting Type		Screw	
RF Cable Type		4 x LMR100	
RF Cable Length		3 m	
RF Connector		4x SMA (M)	
Mounting Torque	Recommended	1.5 ~ 3 Nm	
	Maximum	5 Nm	

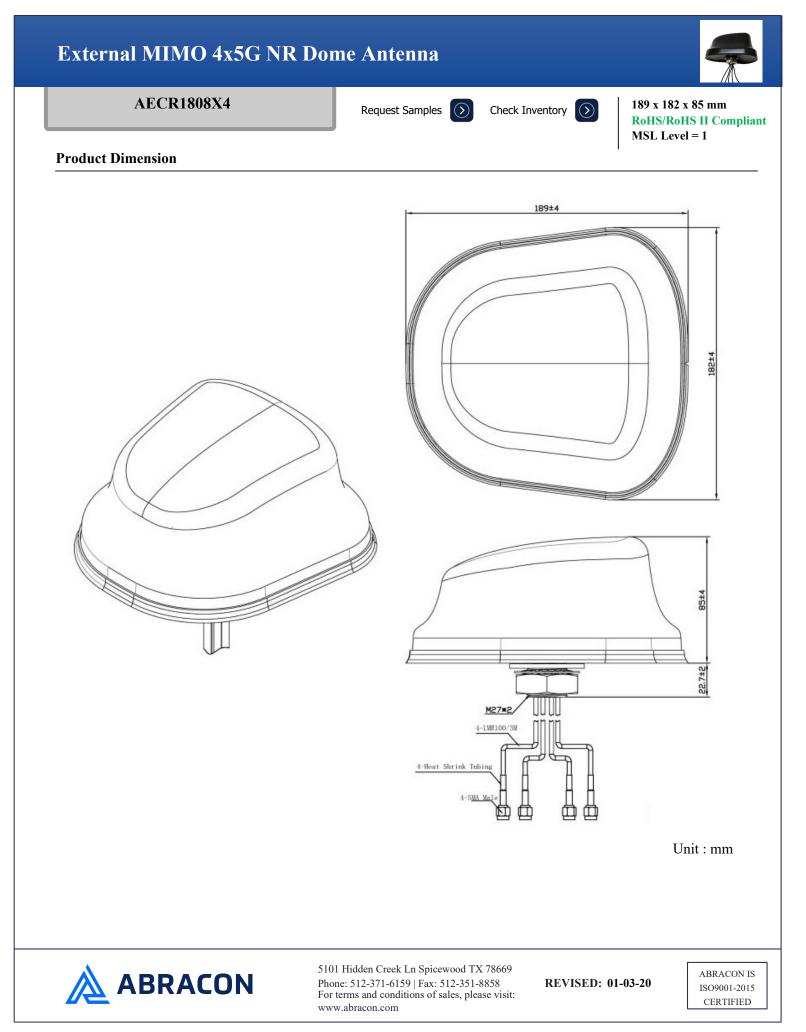
#### **Environmental Specification**

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
IP Rating	IP67 (Excluding Cable Outlet)
UL Rating	UL-HB
RoHS Compliance	Yes
PB Free	Yes
MSL	1
ESD Sensitive	Yes
Relative Humidity	Up to 95%
Vibration	$10 \sim 55$ Hz with 1.5 mm amplitude 2 hrs

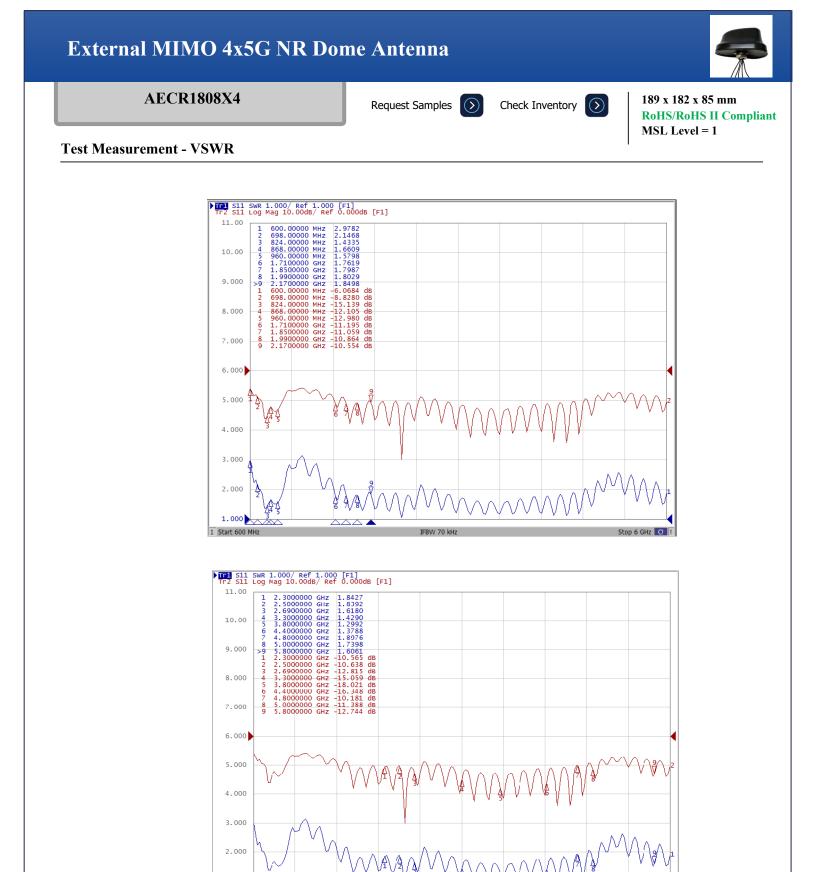


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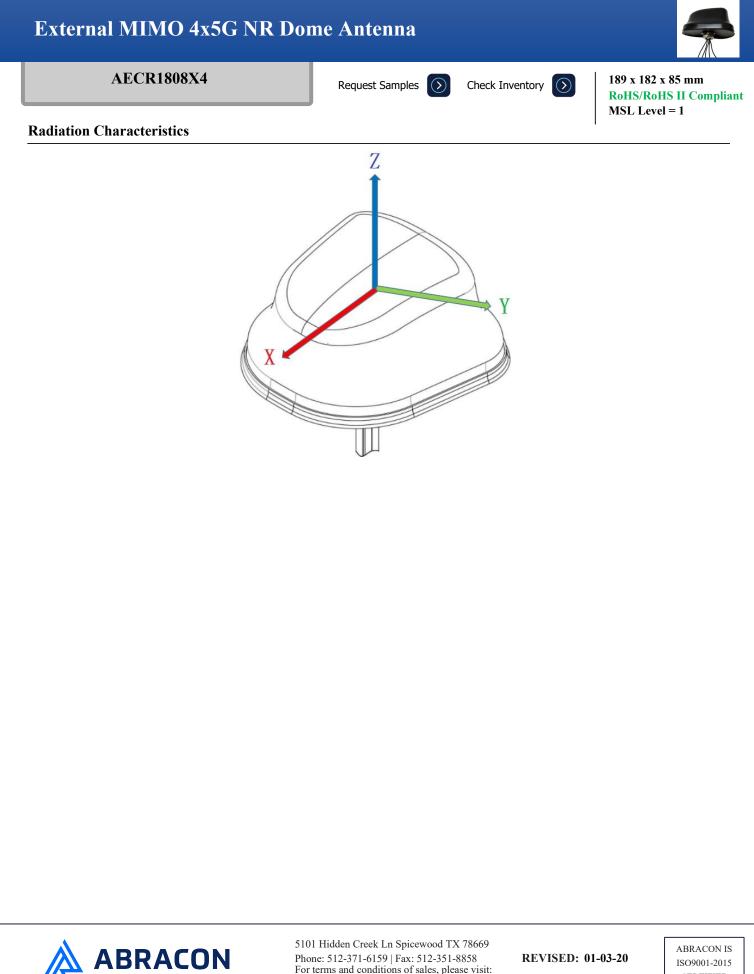
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TBW 70 kHz

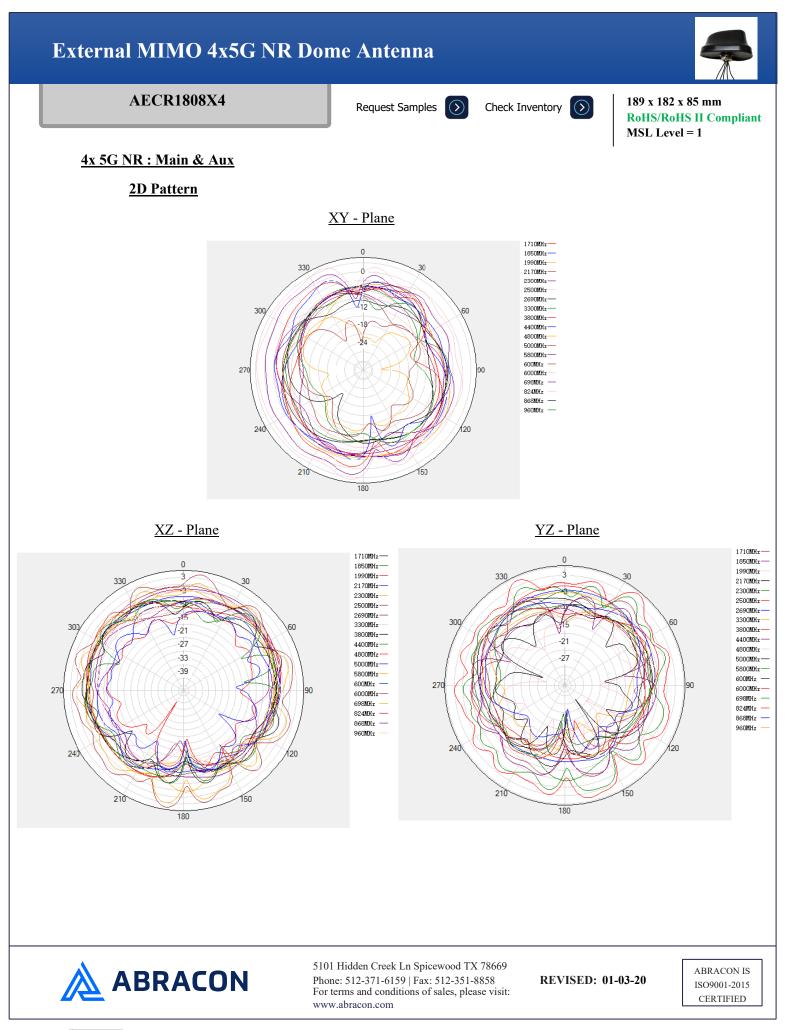
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Stop 6 GHz C!!



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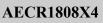
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# **External MIMO 4x5G NR Dome Antenna AECR1808X4** 189 x 182 x 85 mm Request Samples (>) Check Inventory **RoHS/RoHS II Compliant** MSL Level = 1 **3D Pattern** 600 MHz 698 MHz 824 MHz 868 MHz 960 MHz 1990 MHz 1710 MHz 1850 MHz 2170 MHz 2300 MHz 2500 MHz 2690 MHz 3300 MHz 3800 MHz 4400 MHz 5000 MHz 6000 MHz 4800 MHz 5800 MHz 5101 Hidden Creek Ln Spicewood TX 78669 ABRACON IS **ABRACON** Phone: 512-371-6159 | Fax: 512-351-8858 **REVISED: 01-03-20** ISO9001-2015 For terms and conditions of sales, please visit: CERTIFIED www.abracon.com

## External MIMO 4x5G NR Dome Antenna



Request Samples 🕥

Check Inventory

189 x 182 x 85 mm RoHS/RoHS II Compliant MSL Level = 1

#### Efficiency & Gain

Frequency (MHz)	Efficiency	Gain (dBi)			
MIMO 4x5G (Main + Aux)					
600	0.61	1.05			
698	0.67	1.88			
824	0.68	2.02			
868	0.59	1.47			
960	0.66	1.58			
1710	0.59	1.03			
1850	0.57	0.89			
1990	0.59	0.77			
2170	0.65	3.29			
2300	0.63	2.57			
2500	0.66	3.05			
2690	0.67	1.38			
3300	0.54	-0.27			
3800	0.53	3.78			
4400	0.66	2.08			
4800	0.56	-0.19			
5000	0.59	-0.62			
5800	0.63	4.14			
6000	0.62	4.05			

#### **Packaging Information**

Number of Antenna/ Carton : 8 pcs Dimension of the Carton : 430 x 430 x 340 mm Weight of 1 pc of antenna : 950 g Weight of the Carton : 9 kg

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