CW-GPS-0031

1176.45/1561-1602MHZ Ceramic antenna

Cowin Antenna

Key Features

Frequency: 1176.45/1561-1602MHz

Connector: IPEX Connector

Cable Type: RF1.13 Double tin cable

Dimensions: 25*25*4mm and 35*35*4mm

1. Antenna Electrical Characteristics

Band (MHz)		
Frequency (MHz)	1176.45	1561-1602
VSWR	≤3.0	≤3.0
Peak Gain (dBi)	28@3V	
NF(dB)	1.6@3V	
Impendance (Ohm)	50	
Polarisation	RHCP	
Voltage Range (V)	2.5-5	

2. Material and environmental characteristics

External Structure	/
Inner Structure	Ceramics+PCB
Cable Type	RF1.13
Connector Type	IPEX
Dimensions (mm)	25*25*4/35*35*4
Antenna Color	/
Operation Temperature	-40℃ to +80℃
Storage Temperature	-40℃ to +80℃
Antenna Storage life(year)	10
Substance Compliance	RoHS

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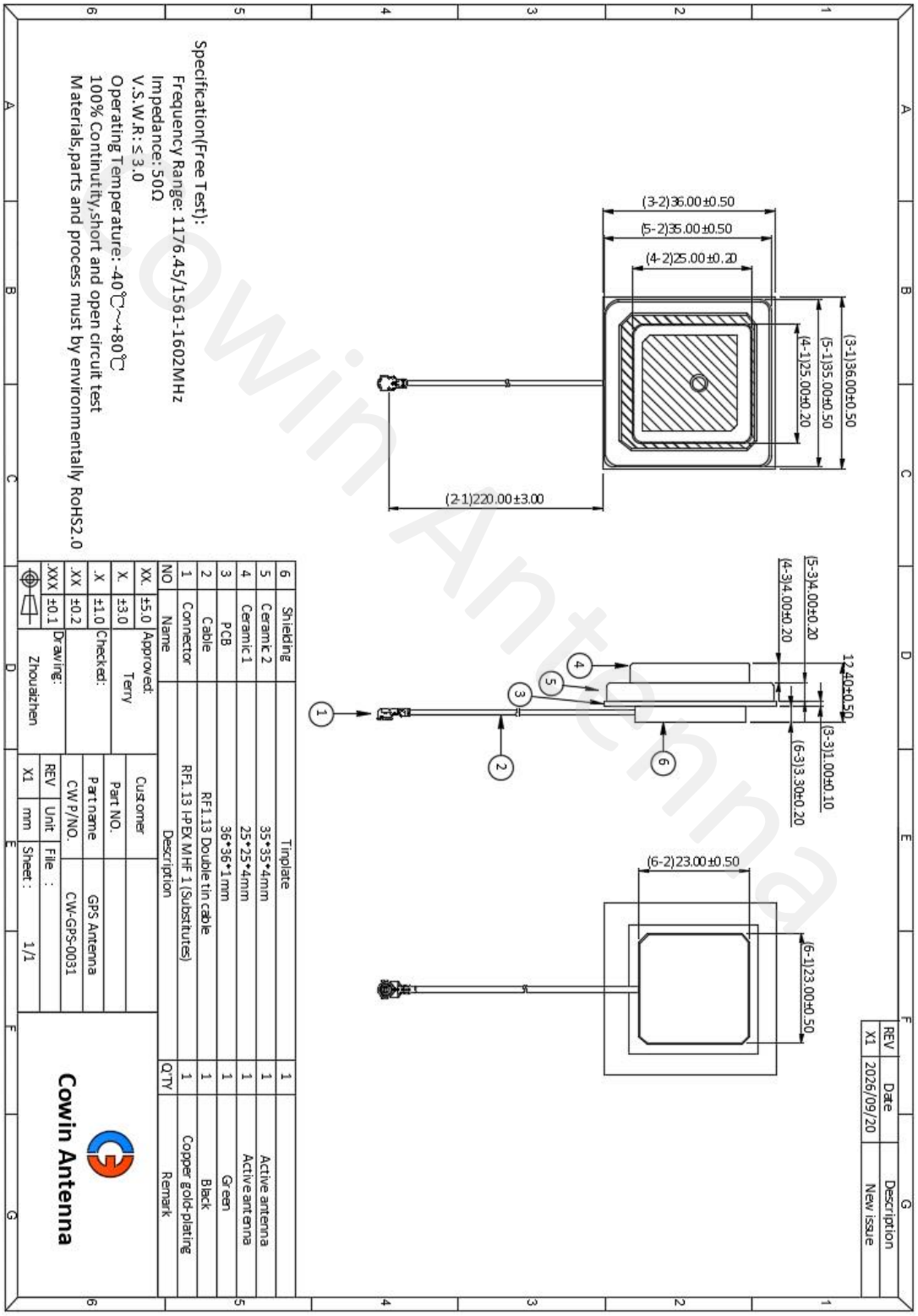
3. Antenna drawing



4. Antenna test parameters

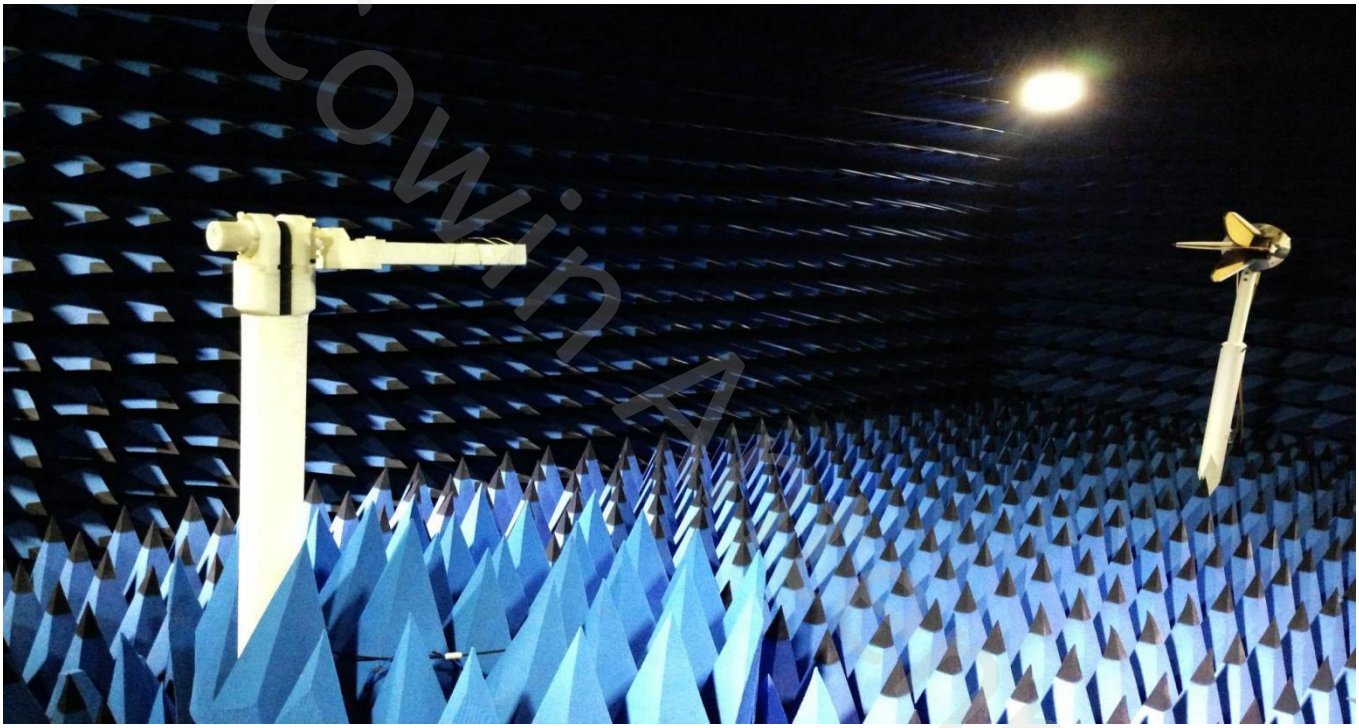
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

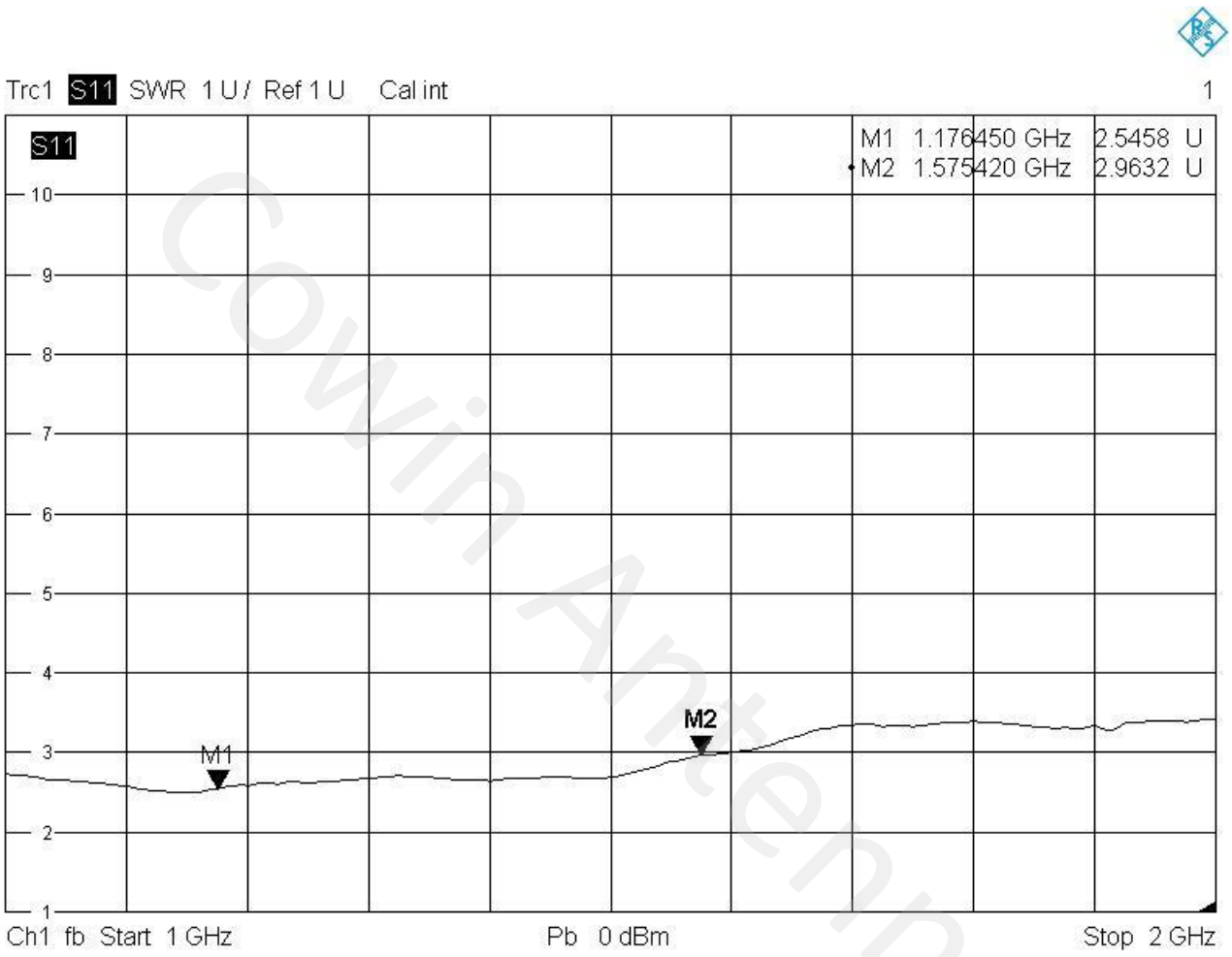
The comprehensive tester is Agilent cmv500







4.1 VSWR



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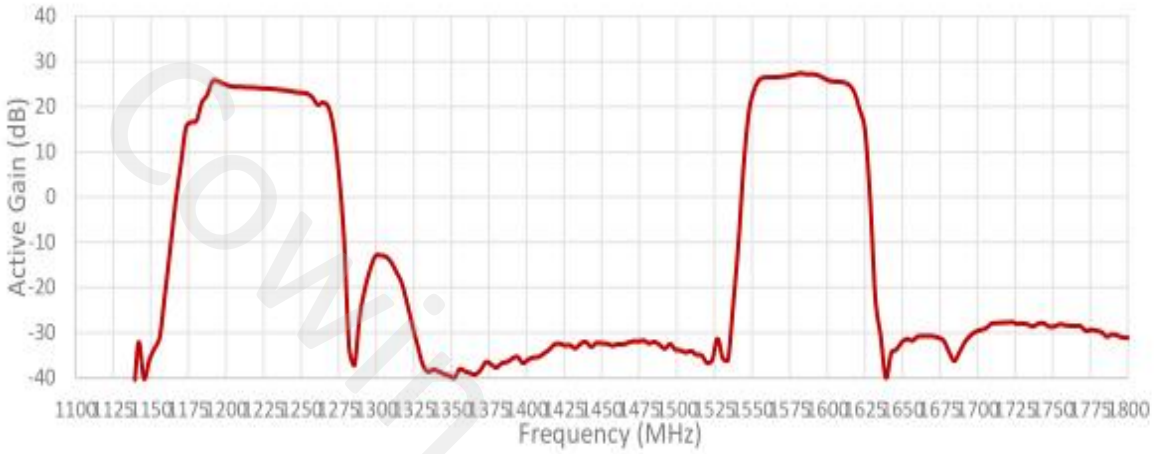
4.2 Efficiency

Cable 1: GNSS/L1L5



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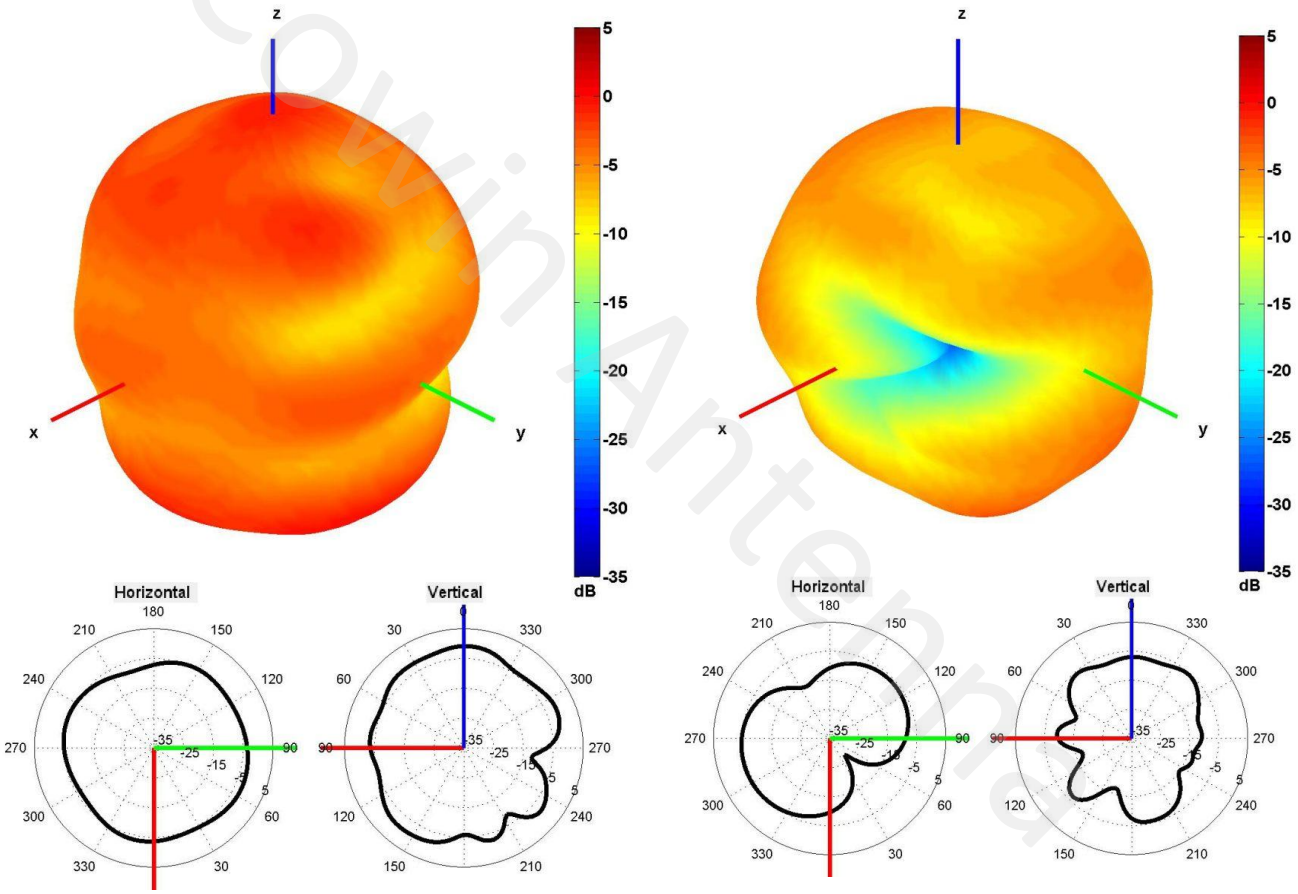
4.3 3D&2D Radiation Patterns

1176 AND 1561 MHz Radiation pattern



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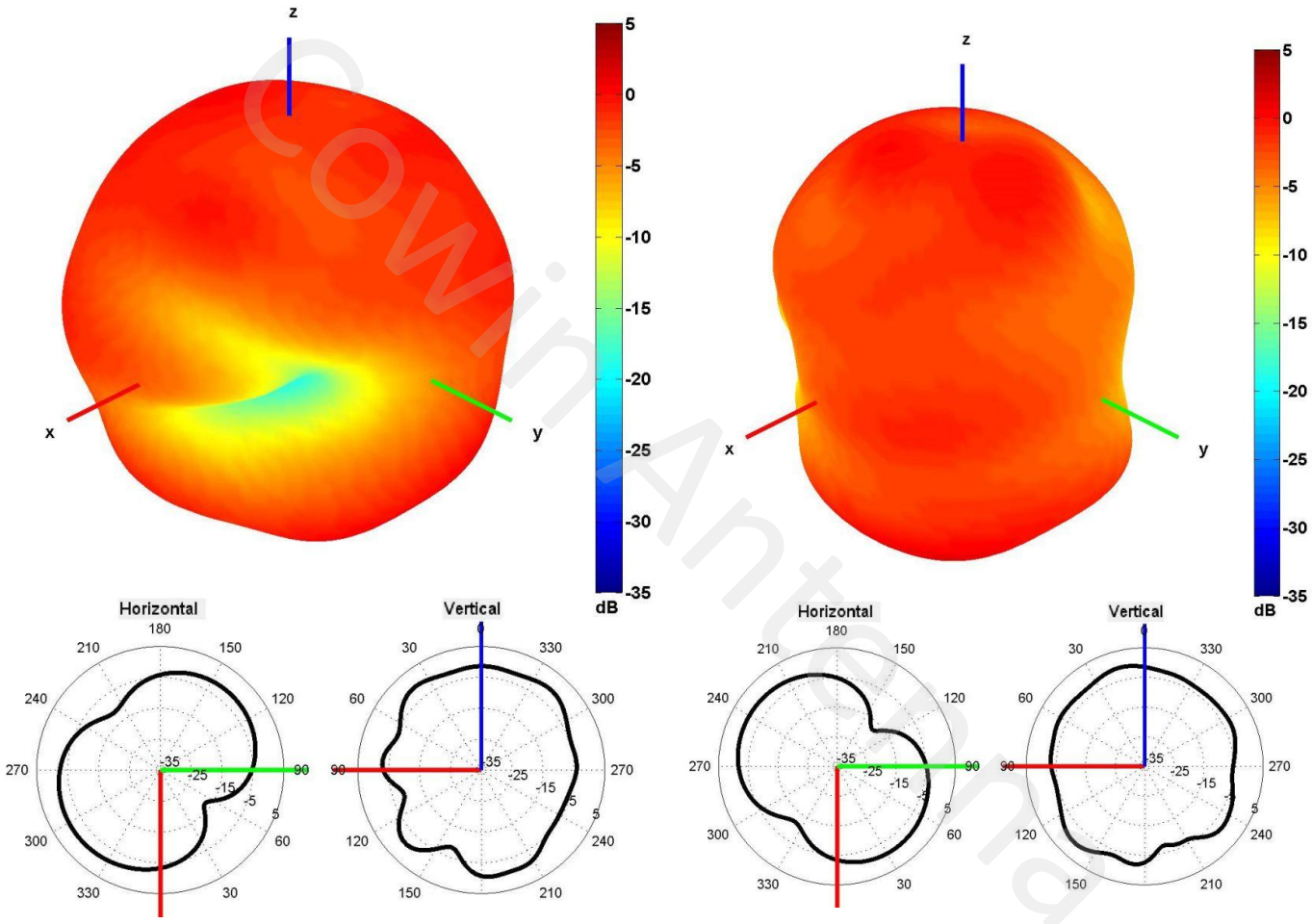
1575 AND 1602 MHz Radiation pattern



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