

QUAD-BAND ANTENNA

Part No.: ADH-151XSAXX

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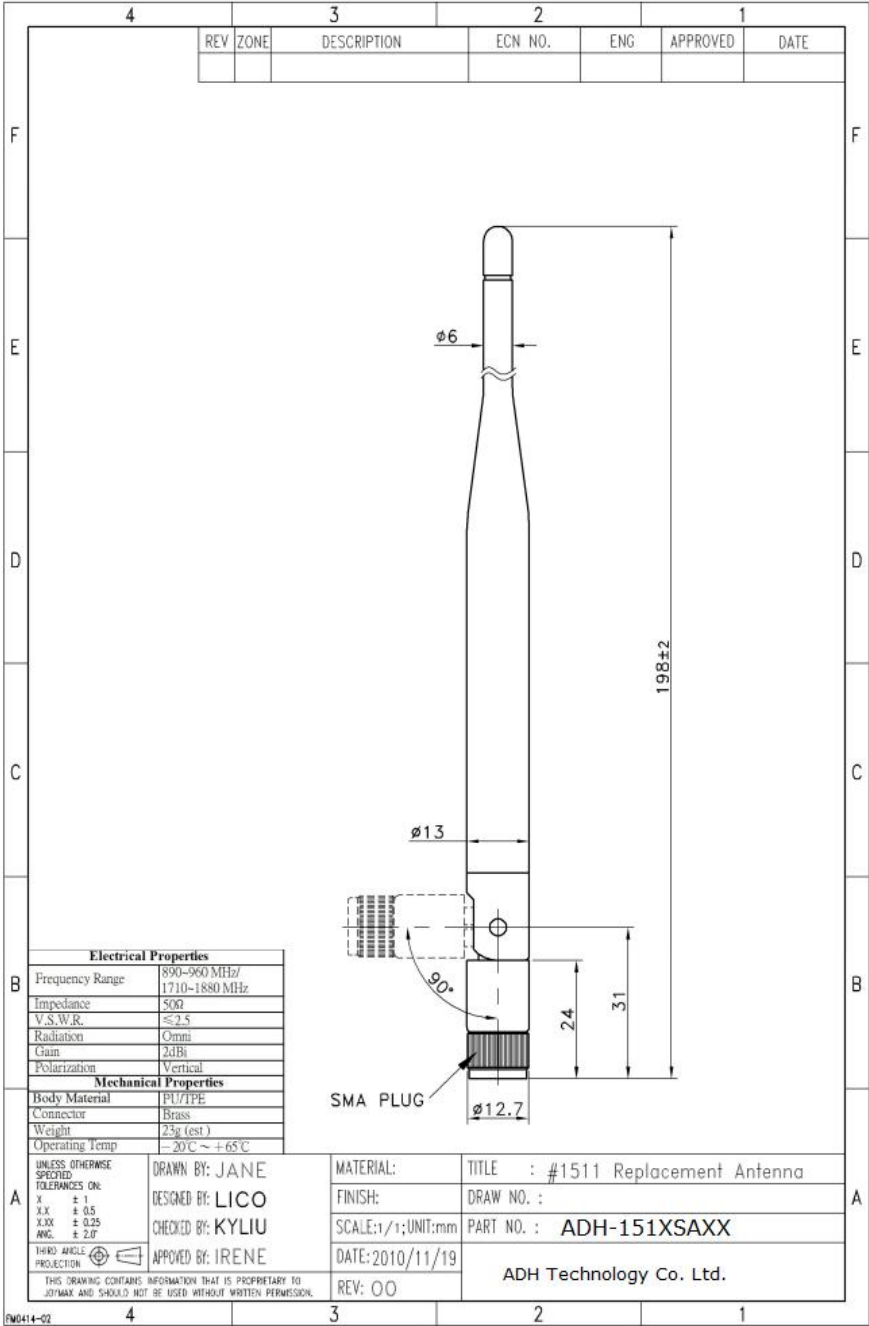
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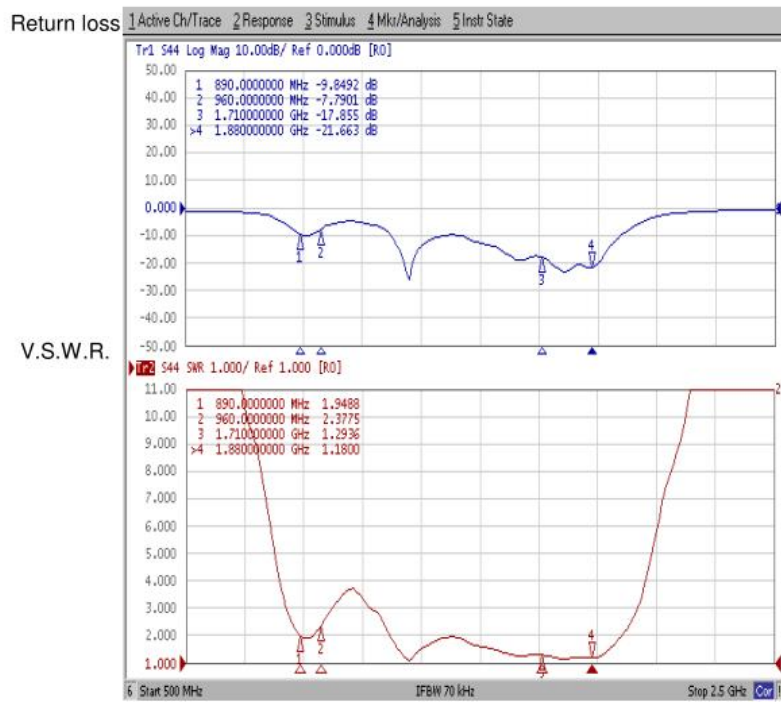
Modification History:

Rev.	Date	Content
00	2010/11/18	



Test Report

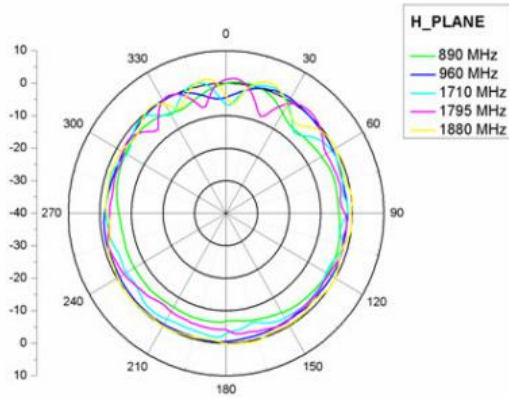
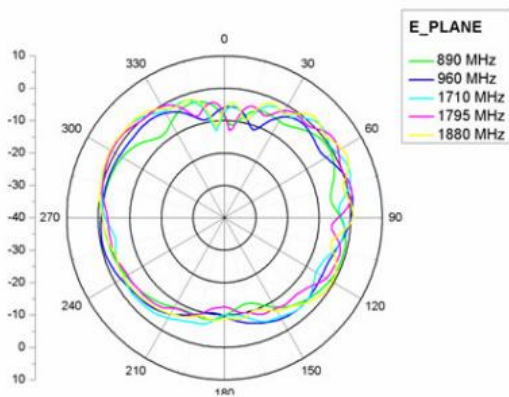
Return loss/V.S.W.R

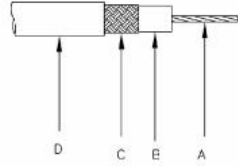


Test Report

Pattern

ANTI





Construction:

- A) Center Conductor:
30 7/38 SPCW*
OD .012" ± .001"
- B) Dielectric:
Extruded FEP
OD .033" ± .002"
- C) Shield:
38 AWG SPC*
OD .051" Ncm.
- D) Jacket:
FEP – Brown Tint
OD .071" ± .004"

Electricals:

- Impedance: 50 ± 2 Ohms
- Capacitance: 32 pF/ft Max.
- Velocity of Prop.: 70% Norm.
- Cut off Frequency: 116 GHz
- VSWR(.10 – 6.0 GHz): 1.20:1 Mean
- Ramp Function:
0.10GHz: 1.10:1
6.00GHz: 1.40:1

Physical Properties:

- Weight per 1000 ft: 6.3 lbs Max.
- Minimum Bend Radius: .35"
- Operating Temperature Range: -55°C to 200°C
- Conductor Break Strength: 4.6 lbs.

Attenuation:

0.10 GHz	14.0 dB/100ft.
0.40 GHz	28.2 dB/100ft.
1.00 GHz	45.0 dB/100ft.
2.00 GHz	64.4 dB/100ft.
2.45 GHz	71.6 dB/100ft.
3.00 GHz	79.7 dB/100ft.
4.00 GHz	92.7 dB/100ft.
5.00 GHz	104.3 dB/100ft.
6.00 GHz	115.0 dB/100ft.

Connector		SMA
Specification Data	1) Impedance	50 ohm
	2) Frequency Range	0~6GHz
	3) V.S.W.R.	≦ 1.5
	4) Working Voltage	≦ 250 Vrms
	5) Dielectric Withstanding	≦ 670Vrms
	6) Voltage Insulation Resistance	≧ 2000 Mega ohm
	7) Contact Resistance	Center contact: 3.0 Milliohms (Max.) Outer contact: 2.0 Milliohms (Max.)
	8) Recommended coupling nut torque	4.0~8.8 in. lbs (0.45~0.99Nm)
	9) Coupling nut retention force	≧ 50 lbs (222N)
	10) Contact captivation force	≧ 5 lbs (22.2N)
	11) Durability (mating)	≧ 500 cycles
Environmental Data	1) Operating Temperature	-65°C ~ +165°C
	2) Thermal Shock	MIL-STD-202, Method 107, Condition E
	3) Corrosion	MIL-STD-202, Method 101, Condition E
	4) Shock	MIL-STD-202, Method 213, Condition I
	5) Vibration	MIL-STD-202, Method 204, Condition I
	6) Moisture Resistance	MIL-STD-202, Method 106
Material Specifications	Material Data	Material
	1) Body	Brass
	2) Contact	Brass
	3) Insulator	Teflon or Delrin