Shenzhen Jingxiang Electronics Co., Ltd

PRODUCT SPECIFICATION

Customer:DexunElectronics(Shenzhen)Co.,Ltd

Customer’s part number:

Product description:434MHz, SMA-J头, RG58×0.5m

Uni Link’s part number: JX-4015-SZ
Issue Date: 2018/12/15

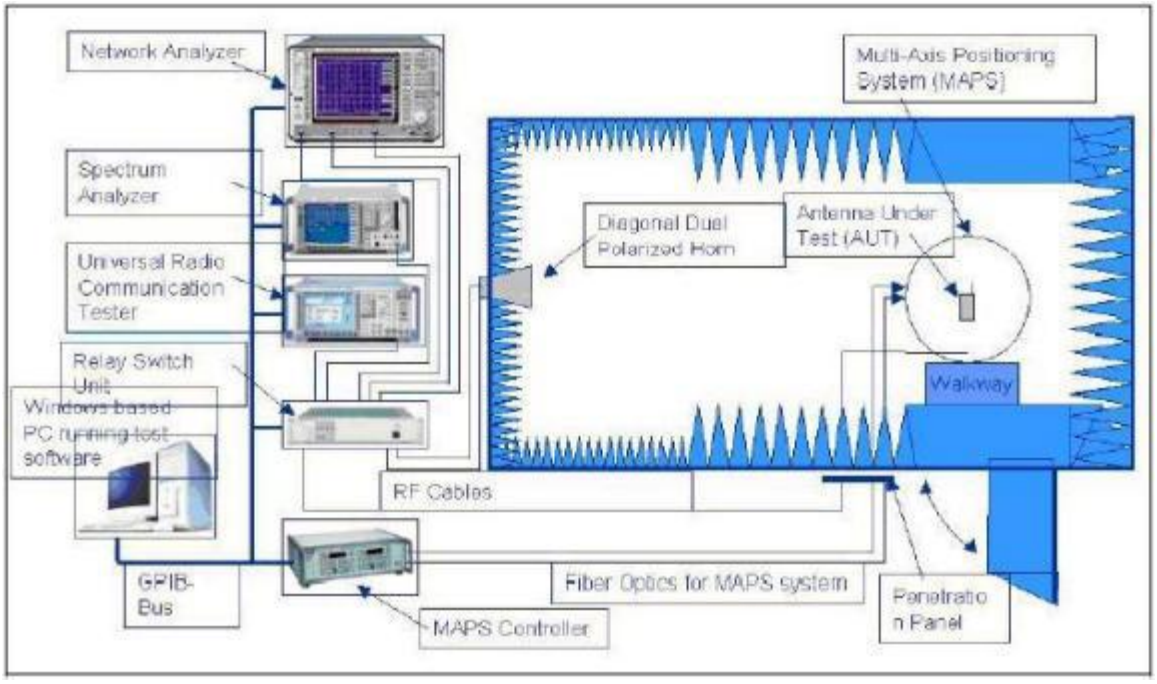
customer name:	Dexun electronics	project name:	External antenna	Working frequency band:	434MHZ
date:	2018/12/15	edition:	V1		
model:	JX-3010-0524		specifications:	434MHZ/wirelength0.5m SMA header	
Business contact person	Shi Renjing	Tel.: 13530062208		Project audit:	Zhang Haiyang

Customer confirmation:		Customer review:	

catalogue

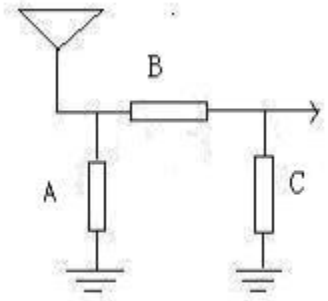
1. Test the environment and the equipment

CTIA743 Dark room, 8960 / 5515C, flat back direction is placed 4 meters away from the standard horn antenna turntable



2. Matching circuit

No matching circuit is added.



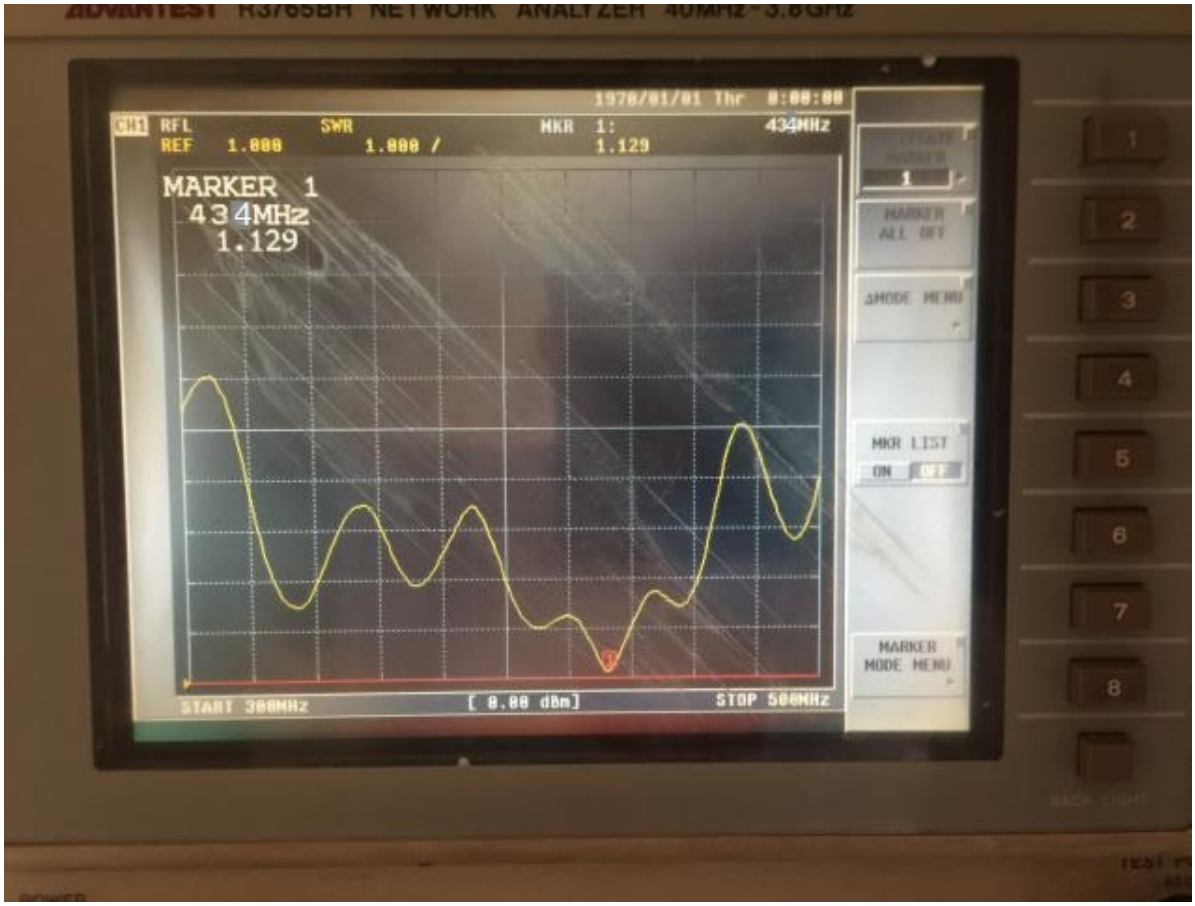
building-out circuit	A	B	C
numeric value	NF	0 Ohm	NF

3: Antenna pictures

working index	operational parameter
model	
specifications	434 MHZ / 0.5M wire SMA male head female needle
service frequency	434MHZ
standing-wave ratio	<2.0
return loss	<-10
gain	5dBi
productiveness	68%
working temperature	-60 + 80 degrees
Working humidity	<90%
size	Belt line L=500 MM
The antenna is high	176mm
pack	PE bags and cartons

We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

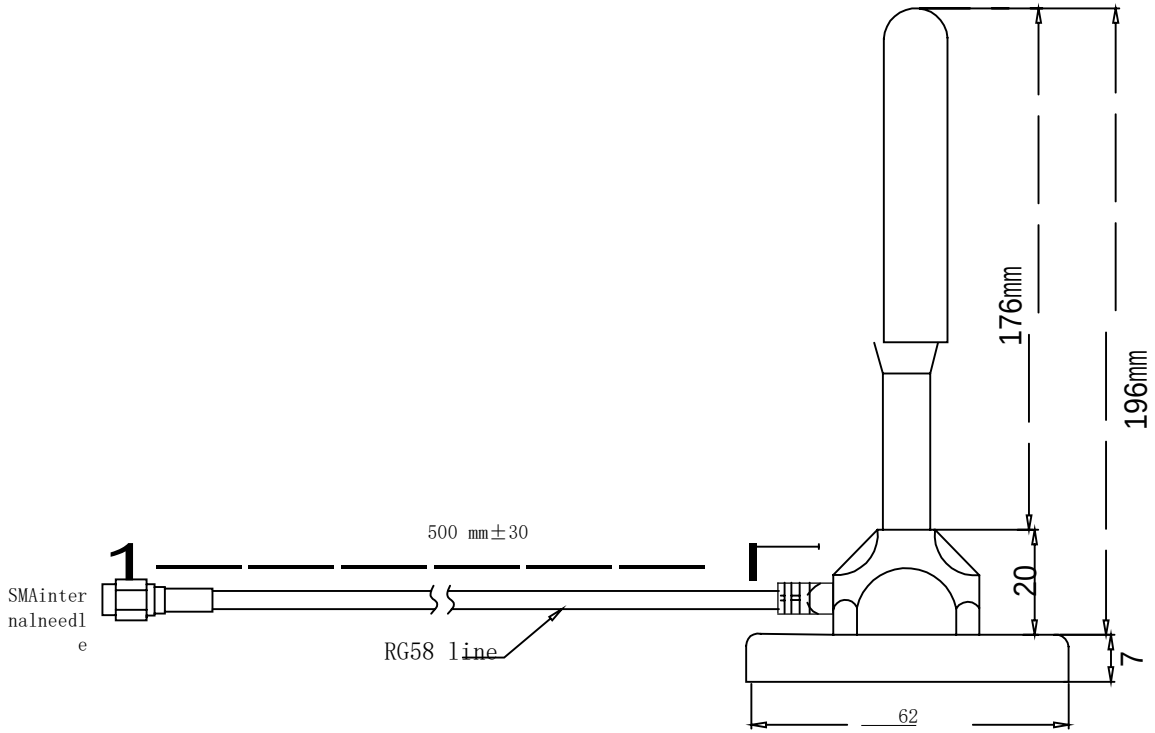
4. External antenna standing wave ratio;



REV	DATE	DESCRIPTION	ECN NO.	NAME	
A10					

ask:

1. The wire is folded in half and has no damage outside
2. The finished product must be 100% test guide OK
3. The finished product shall be 100% fully inspected OK.
4. Adopt the environmental protection manufacturing process. Final product complies with the ROHS requirements.
5. No tolerance is noted, please take the general tolerance as the standard.
6. Connector tension value: 3 KG
7. Magnet suction:> 1.2 KG



Working frequency band (Frequency Range)	434MHz
Gain (Gain)	16dBi
Voltage standing-wave ratio (VSWR)	<2.0
Polarization mode (Polarzation)	LinearVertical Vertical
Characteristic Impedance (Lmpedance)	50 ohm

1	1025-9635	176MM copper rod 1	The nut seat	horncupping	Product Name (PRODUCT NAME)
2	1201-0018	RG 58 Black line-96 All copper wire-1	Small suction cup base		SMAMaleTipTip-62MMLargeIronShell434MHZ Sucker Antenna-RG 58 Black-L0.5M
3	1701-0012	17*13.5*-J-31	connecting link	common difference	Product Material No. (PRODUCT NO) / Unit (UNIT) M M / scale (SIZE) FREE
4	1203-0094	62 MM Large iron shell 1	heat-		Number of 1 OF1 / Profitude A4

Vi. Environmental reliability test report

1. Environmental test

Constant humidity test report at high and low temperature					
trial project	High temperature, low temperature, constant humidity test				
Test sample Board name	Suction cup antenna (WWXL6007386)			Test date	2020.04.10
Experimental / test equipment	Constant temperature and humidity test box network analyzer			Test the number	5 PCS
checkout standard	1. Metal surface coating shall not fall off, crack, wrinkle and other bad; the non-metallic part shall not have discoloration, rupture, deformation and glue. 2. The electrical test meets the design requirements; the voltage ratio test is qualified.				
trial name	test item	ask	experimental method	Actual measurement Try the data	bear fruit: sample / judge
high temperature trial	temperature (℃) Temperature stabilization time of test samples (h) Test Duration (h) Recovery time (h)	+85±3 1 2 1	according to GB2423.1-89 Chapter 9 The prescribed method is conducted	+87 1.2 2.3 1	1 qualified 2 qualified 3 qualified 4 qualified 5 qualified
low temperature	temperature (℃) Temperature stabilization time of test samples (h)	-45±3 1 2 1	according to GB2423.1-89 Chapter 8 The	-46 1.2	1 qualified 2 qualified 3 qualified

trial	Test Duration (h) Recovery time (h)		prescribed method is conducted	2.4 1.1	4	qualified
					5	qualified
Constant humidity hot test	temperature (℃) relative humidity (%) Duration of the test (h) Recovery time (h)	+40±2 90-95211	according to GB2423.3-93 Chapter 5 The prescribed method is conducted	+42 922 21.1	1	qualified
					2	qualified
					3	qualified
					4	qualified
					5	qualified

2. Salt mist test

Salt mist test report				
test item	salt spray test			
Test model name	Suction cup antenna (WWXL6007386)		Test date	2020.04.10
device name	salt spray		Test the number	5 PCS
experimental method	Put the test sample into the prepared salt solution test box and the salt spray corrosion box for continuous spray test			
Concentration of salt solution	52g/L	PH value of salt solution: 6.5-7.2		Test period: 24h
Actual test data	55g/L	PH value of salt solution: 6.8		Test period: 26h
test criteria	Conduct the test according to GB / T10125 Artificial Atmosphere Corrosion Test and Salt Fog Test; the results are samples and specimens per GB / T6461-2002 GB / T 6 after corrosion test The rating of the rating.			
end of test				

number	Corrosion resistance grade	Actual test data	Evaluation results	remarks
1	Rp/Ra=10/10vsB	Rp/Ra=10/10vsB	qualified	
2	Rp/Ra=10/10vsB	Rp/Ra=10/10vsB	qualified	
3	Rp/Ra=10/10vsB	Rp/Ra=10/10vsB	qualified	
4	Rp/Ra=10/10vsB	Rp/Ra=10/10vsB	qualified	
5	Rp/Ra=10/10vsB	Rp/Ra=10/10vsB	qualified	