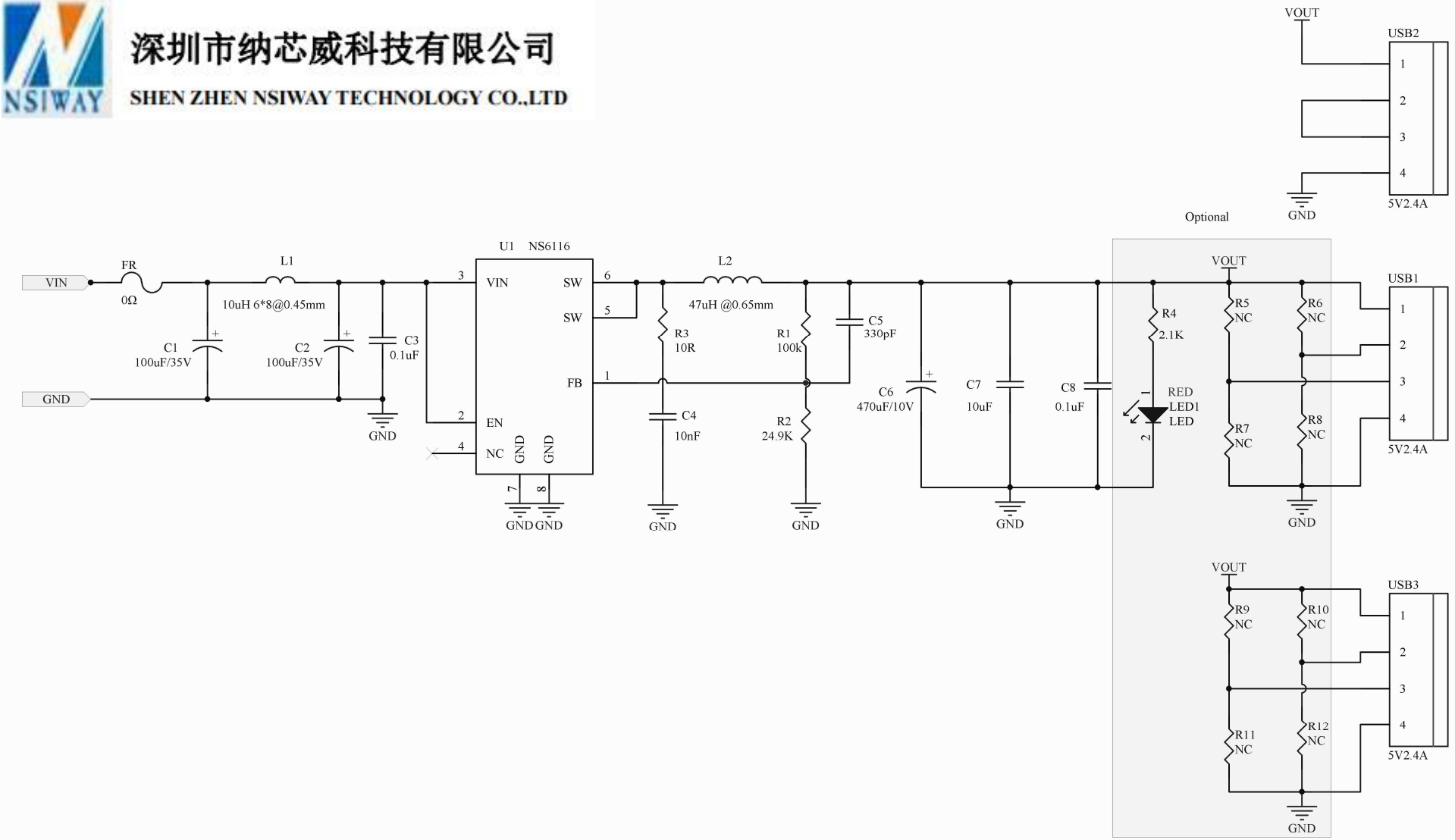
深圳市纳芯威科技有限公司

SHEN ZHEN NSIWAY TECHNOLOGY CO.,LTD



深圳市纳芯威科技有限公司
SHENZHEN NSIWAY TECHNOLOGY CO.,LTD

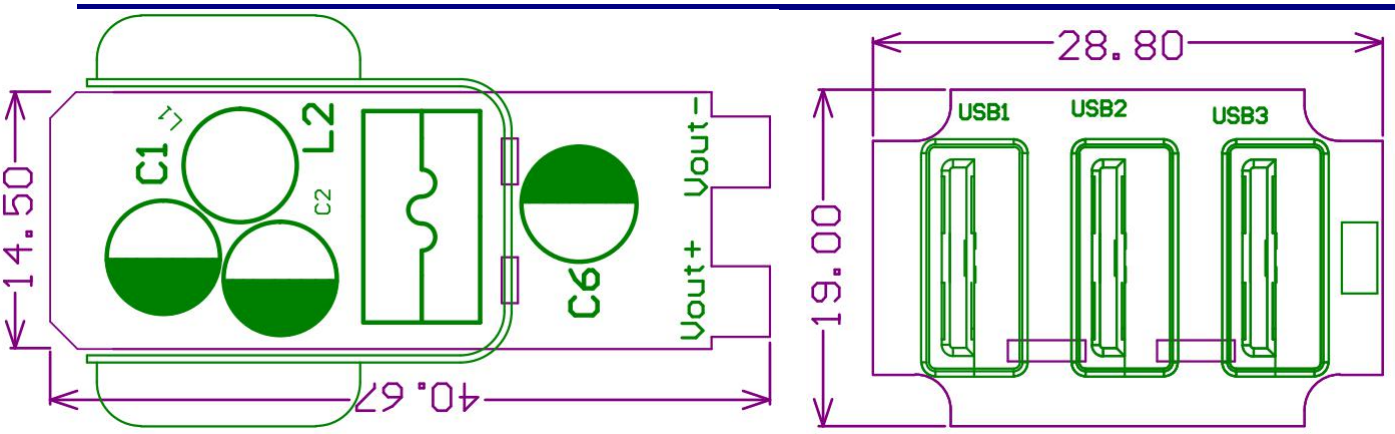
Title	NS6116_5V3.1A_3USB_EMI	
Size: A4	Page Description: Car Charger	Revision: V1.1
Date: 2018/3/30	Sheet 1 of 1	
File: G:\同步文件夹\纳芯威电子资料备份\AD_Profiles\Desktop\NS6116_5V3.1A_3USB_EMI.SchDoc		

AGENT VIEW

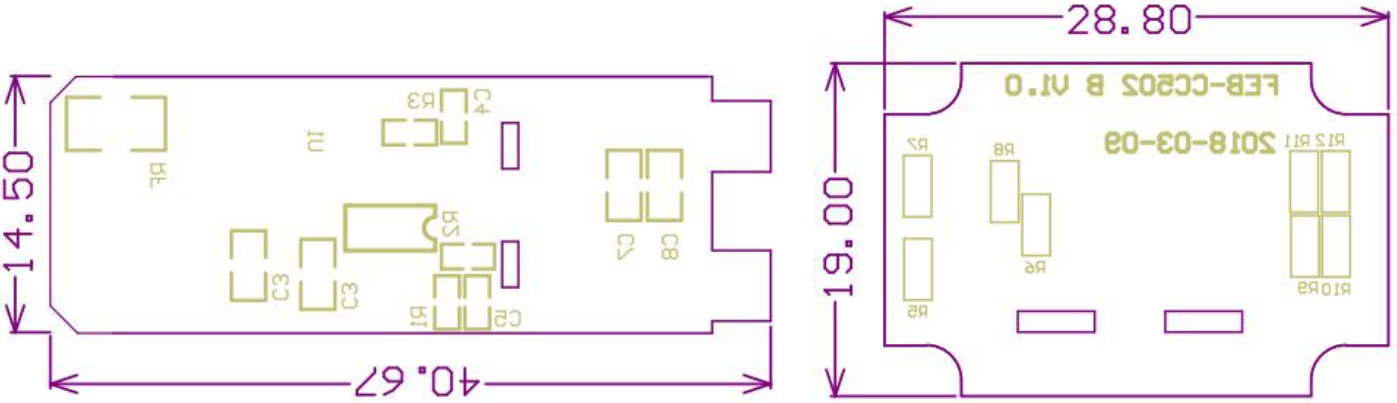
纳芯威科技有限公司产品元器件清单（BOM）

产品名称：	DC-DC/NS6116/5V3.1A	日期：	2017/11/13
项目名称：	NS6116 Demo.PrjPCB	时间：	10:19:08
版本号：	V1.1	设计：	Guhaohao
路径：	NS6116 Demo.PrjPCB		

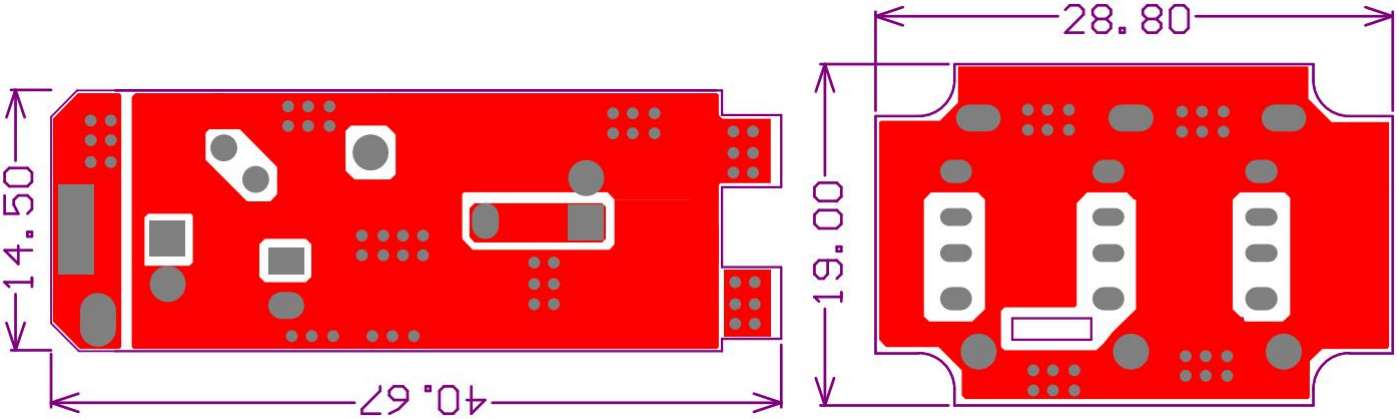
元件名称	元件参数	元件描述	封装名称	数量	备注
Designator	**Comment**	**Description**	**Footprint**	**Quantity**	
RF	10Ω,1/4W,±10%	FUSE	1206R	1	
R1	100K,1/8W,±1%	Resistor	0805R	1	
R2	24.9K,1/8W,±1%	Resistor	0805R	1	
R3	10Ω,1/8W,±5%	Resistor	0805R	1	
R4,R5,R6,R7,R8, R9,R10,R11,R12	NC	Resistor	0806R	9	
LED	NC	LED-GREEN	0805R	1	
C1, C2	100uF/35V,φ6.4*7, Low ESR	Capacitor,aluminum electrolytic	CD_3.5*8.2	2	
C3, C8	0.1uF/35V,X7R,±10%	Capacitor,ceramic	1206R	2	
C4	10nF/35V,X7R,±10%	Capacitor,ceramic	0805R	1	
C5	330pF/35V,X7R,±10%	Capacitor,ceramic	0805R	1	
C6	470uF/10V,φ6.4*7, Low ESR	Capacitor,aluminum	CD_2.5*6.5	1	
C7	10uF/35V,X7R,±10%	Capacitor,ceramic	0805R	1	
L1	10uH,Wire-φ0.45mm,DR6*8	Inductor'	L6.5*12_2	1	
L1	47uH,Wire-φ0.65mm,铁硅铝	Inductor'	L6.5*12_2	1	
U1	NS6116	NSIWAY IC	SOP-8	1	
USB1,USB2, USB3	5V3.1A	USB-Receptacle	USB_DIP-13.6	3	
				18	
Approved		**Notes**			



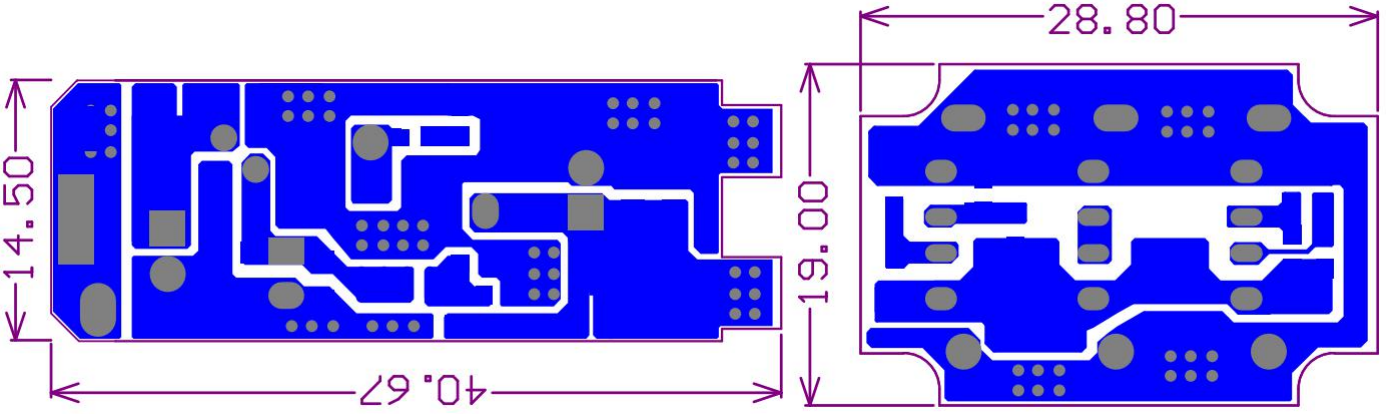
TOP OVERLAY VIEW



BOTTOM OVERLAY VIEW



TOP LAYER VIEW



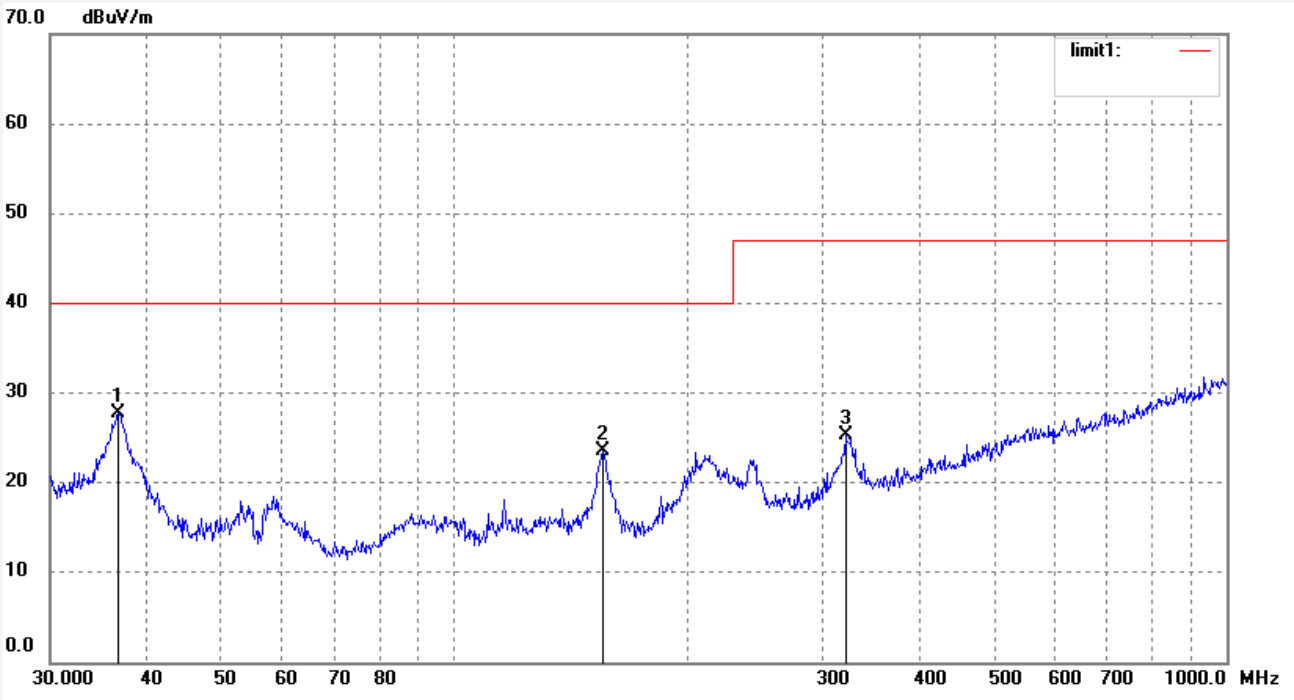
BOTTOM LAYER VIEW

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: nsiway #39
Standard: EN55032 CLASS B
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT:
Mode: ON
Model: NS 61116 5V 3A
Manufacturer:

Polarization: Vertical
Power Source: DC 12V
Date: 18/03/30/
Time: 9/49/56
Engineer Signature: MASON
Distance: 3m

Note: 差模-10nF



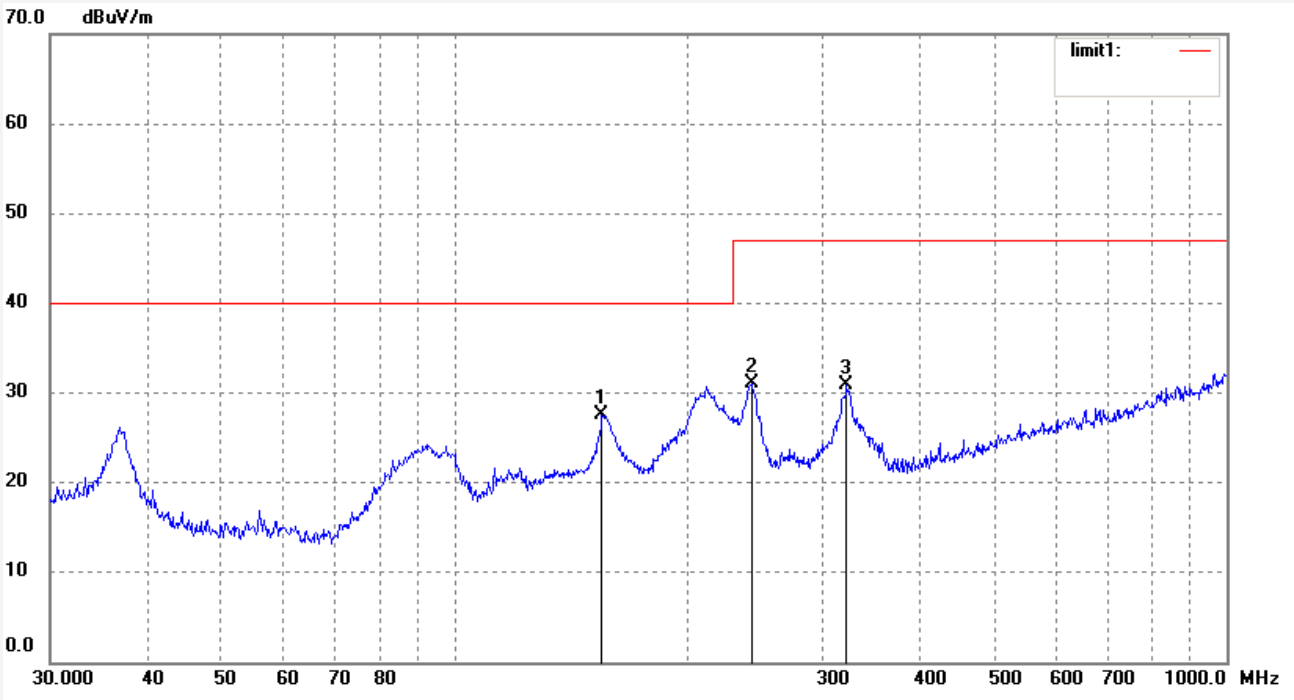
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.7662	38.57	-10.80	27.77	40.00	-12.23	peak			
2	155.9101	38.33	-14.87	23.46	40.00	-16.54	peak			
3	321.0608	33.67	-8.40	25.27	47.00	-21.73	peak			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: nsiway #40
Standard: EN55032 CLASS B
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT:
Mode: ON
Model: NS 61116 5V 3A
Manufacturer:

Polarization: Horizontal
Power Source: DC 12V
Date: 18/03/30/
Time: 9/51/58
Engineer Signature: MASON
Distance: 3m

Note: 差模-10nF



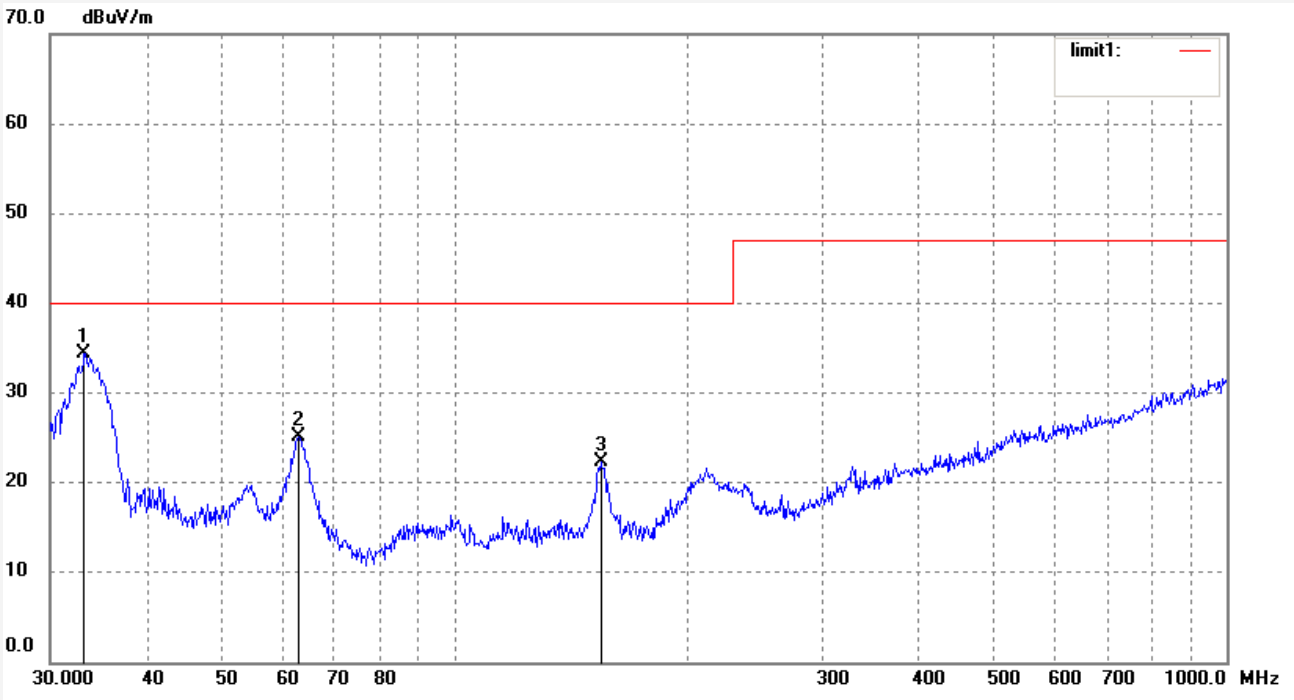
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.3644	42.57	-14.92	27.65	40.00	-12.35	peak			
2	242.5253	41.59	-10.60	30.99	47.00	-16.01	peak			
3	322.1886	39.22	-8.36	30.86	47.00	-16.14	peak			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: nsiway #38
Standard: EN55032 CLASS B
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT:
Mode: ON
Model: NS 61116 5V 3A
Manufacturer:

Polarization: Vertical
Power Source: DC 24V
Date: 18/03/30/
Time: 9/48/01
Engineer Signature: MASON
Distance: 3m

Note: 差模-10nF



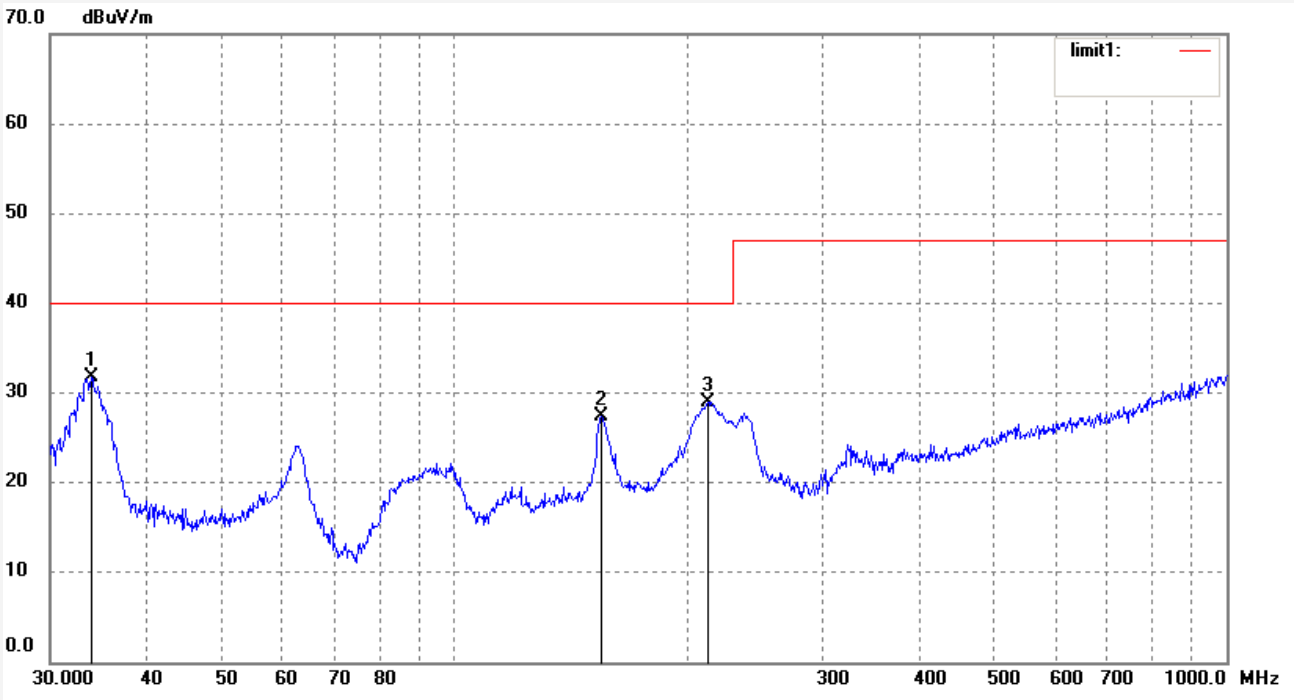
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.2112	44.35	-9.88	34.47	40.00	-5.53	peak			
2	62.8708	40.04	-14.93	25.11	40.00	-14.89	peak			
3	154.8204	37.21	-14.98	22.23	40.00	-17.77	peak			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: nsiway #37
Standard: EN55032 CLASS B
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT:
Mode: ON
Model: NS 61116 5V 3A
Manufacturer:

Polarization: Horizontal
Power Source: DC 24V
Date: 18/03/30/
Time: 9/47/07
Engineer Signature: MASON
Distance: 3m

Note: 差模-10nF



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.9174	41.90	-10.09	31.81	40.00	-8.19	peak			
2	154.8204	42.40	-14.98	27.42	40.00	-12.58	peak			
3	213.0151	40.84	-11.81	29.03	40.00	-10.97	peak			