



Eight Discipline Report (8D Report)

To: Customer

8D report No.: CPK0417

From: Chicony Power Technology

RMA claim No.: NA

CC:

CPT P/N: A065RP23P-DA01-01

Customer P/N:

Submit date: 2020/04/28

Product description: 65W Adapter

Receive date: 2020/04/22

Defect D/C or Lot No.:

Subject : EMI Fail *10pcs,(EMC / EMI (CE), 零件 / 磁件 & PCB , 变压器绕线不好+ 设计 EMI margin 不穩定)

D1.) 問題解決成員: Use Team Approach

主持者 (Team Leader) : Cf_Liu

內部成員 (Internal Team Members):

CQS : Wade_Lo/Cf_Liu/Smile_Yang

RD: Roy_Shi/Gary_Chen

DQA: Bill_Wu/Kind_Ren/Capital_Chen

Sales: Ann_Chen

外部成員 (External Team Member): N/A

D2.) 問題說明: Problem Description:

(Note: Use who, what, when, where, why, how, how many to specify the Customer's problem.)

2020/4/22, 客戶杭州客訴我司 Adapter EMI Fail, 詳細信息如下:

P/N: G71C000LR110

S/N: G71C000LR110 K408C0119RCB

G71C000LR110 K408C0113RCB

G71C000LR110 K408C012VRCB.....

Symptom: EMI Fail



PC S/N	RE	CE
40112269H	PASS	NG: 0.43MHz QP-4.2dB(复测后结果更差) 适配器: G71C000LR110(K408C01E2)
	N/A	更换适配器后 PASS
40112114H	NG: 332.4MHz QP -1.1dB	N/A
	重新组装后 PASS	NG: 0.43MHz QP-1.6dB 适配器: G71C000LR110(K408C01FS)
40112270H	PASS	PASS



CE 电源适配器.pdf

D3.) 內部或客戶的暫時解決辦法及實施日期: Implement and Verify Containment Action:

(Note: Internal / external containment action effectiveness and date.)

Chicony 带回 10pcs 客户端 EMI 测试 Fail 品至工厂并立即针对 adapter 单体进行测试, 结果如

下:

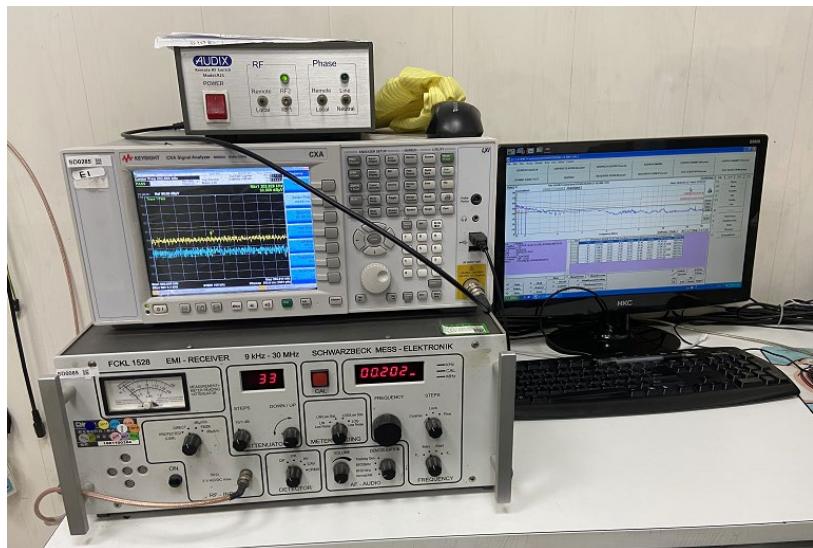
S/N	L(不接地)	N(不接地)	Results (Spec<-6dB)
G71C000LR110 K408C0119RCB	-8.09	-8.62	PASS
G71C000LR110 K408C0113RCB	-12.01	-11.94	PASS
G71C000LR110 K408C012VRCB	-11.44	-12.78	PASS
G71C000LR110 K408C00ZSRCB	-12.44	-12.45	PASS
G71C000LR110 K408C00ZXRCB	-12.34	-12.88	PASS
G71C000LR110 K408C012ORCB	-11.2	-12.49	PASS
G71C000LR110 K408C0114RCB	-10.6	-13.61	PASS
G71C000LR110 JZ02C00Y0RCB	-10.11	-12.18	PASS
G71C000LR110 K408C013SRCB	-8.45	-13.82	PASS
G71C000LR110 JZ02C00L1RCB	-10.73	-11.87	PASS

Due date: 2020.04.22

D4.) 不良原因確認: Define and Verify Root Causes:

(Note: Identify and verify all suspect causes, which needs explain why the problem occurred.)

- 针对客户端搭配系统 EMI Fail 之 10pcs 产品, 返厂做 adapter 单体 EMI 测试。测试方式如下, 测试结果均 PASS.



A065RP23P-DA01-5
PCS-PASS.pdf



A065RP23P-DA01--
5PCS-PASS.pdf

2. 应客户要求，拆解其中 2pcs 产品，针对影响 EMI 之零件，如：变压器、电感……进行电气量测 (SN: G71C000LR110 K408C0114RCB/G71C000LR110 JZ02C00Y0RCB)。

拆解变压器 T1、电感 LF1/LF2，并量测感值，结果均在规格范围内：

⇒ **G71C000LR110 K408C0114RCB**

EMI相关零件	感量测试值	感量SPEC
T1	542.07uH	530uH +/-5%
LF2	15.5mH	11.64mH min
LF1	685.31uH	460uH min

⇒ **G71C000LR110 JZ02C00Y0RCB**

EMI相关零件	感量测试值	感量SPEC
T1	536.09uH	530uH +/-5%
LF2	19.7mH	11.64mH min
LF1	743.73uH	460uH min

详细拆解资料如下附件：



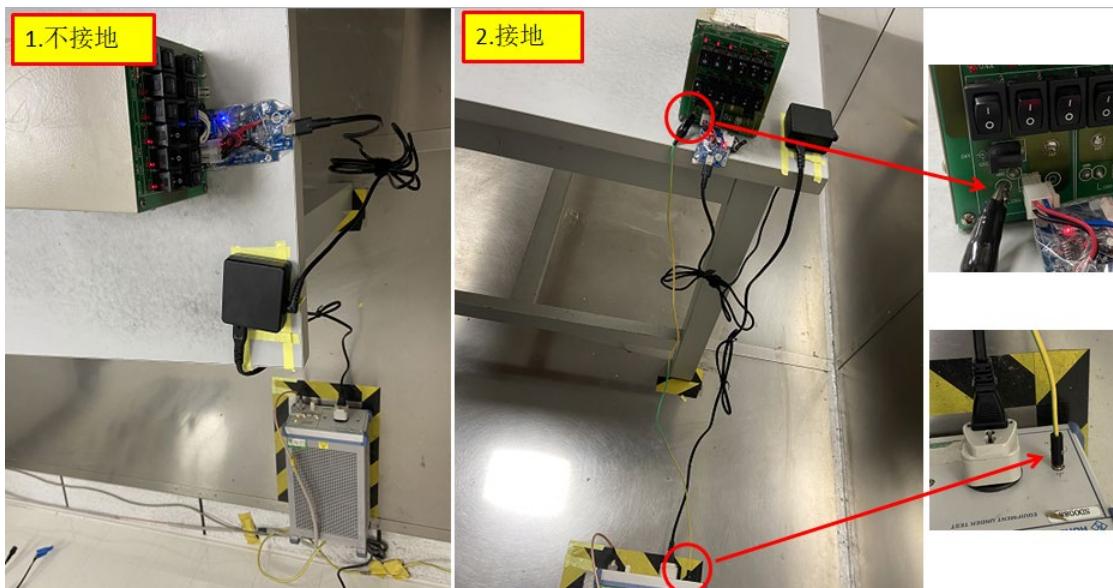
DA 65W
2pcs拆解.docx

3. Conclusion: 就 Chicony 测试结果而言，目前针对 **adapter** 单体 EMI 测试符合规格：小于 -6dB。

----- 2020/4/23

4. 关于 **adapter** 搭配客户端系统测试 EMI Fail issue, Chicony 进行以下测试：

- Chicony 从客退剩余 8pcs 产品（客退 total 10pcs, 被拆解 2pcs）中随机抽取 3pcs 送 3rd party 做单体 EMI 测试，测试结果为 **PASS**；
- Chicony 针对客退剩余 8pcs 产品做接地测试，用以模拟搭配系统，测试结果显示 **FAIL**；
 - ⇒ 针对 Adapter 单体而言，不接地条件下 EMI 测试 **PASS**；但接地后，EMI 测试 **FAIL**.

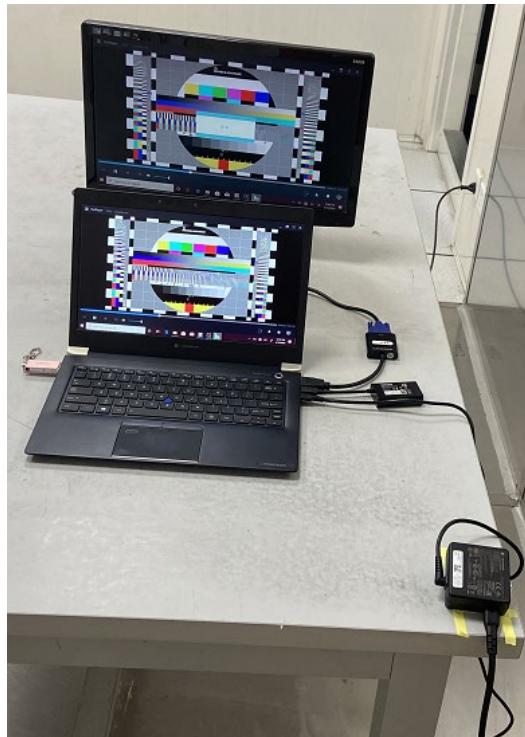


- 使用客户提供之 PC，在不接周边的情况下测试 2pcs，测试结果 **PASS**；当 PC 外接 3pin monitor，测试结果为 **FAIL**；
 - ⇒ Adapter 连接客户系统（不含周边），EMI 测试 **PASS**



PDF
A065RP23P-DA01_P
C 2pcs.pdf

⇒ Adapter 连接客户系统（包含周边），EMI 测试 FAIL



PDF
A065RP23P-DA01_P
C+Monitor 2pcs.pdf

- 客户寄回 Chiicony 提供之 EMI 改善品 2pin & 3pin 各 2pcs，在不接地 & 接地条件下测试，测试结果为 PASS；
- ⇒ 就此测试结果来看，改善品 EMI 符合规格



5. Summary: 客退 Adapter 单体不接地 EMI 测试 PASS; 接地 EMI 测试 Fail。

----- 2020/4/28

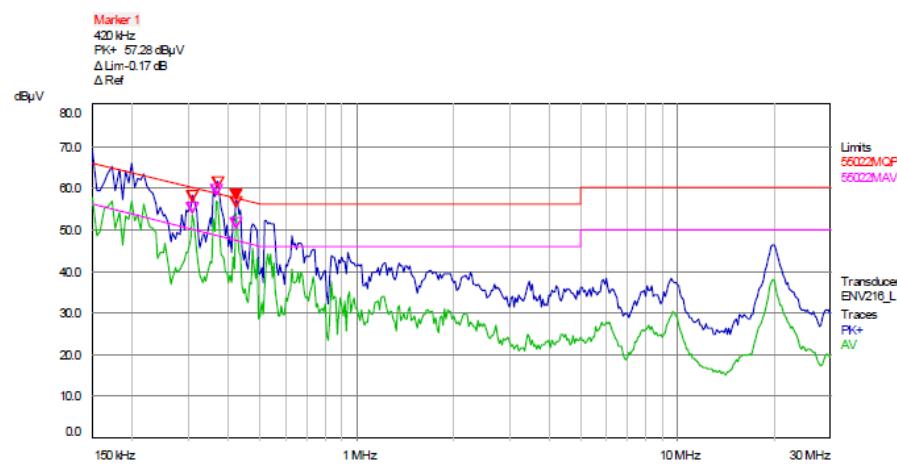
6. 2020.04.30 寄送 3pcs 不良品至 Chicony 台北 RD 人员分析, 分析结果如下:

6-1. 拿 G71C000LR110 K408C0119RCB 不良样机更换良品变压器后, 发现 Fail 与变压器有关。

测试条件: 230V/50Hz 20V Full Load with GND

测试结果: 原始 9.55dB; 更换变压器后 -7.06dB

Pre-measurement Graph



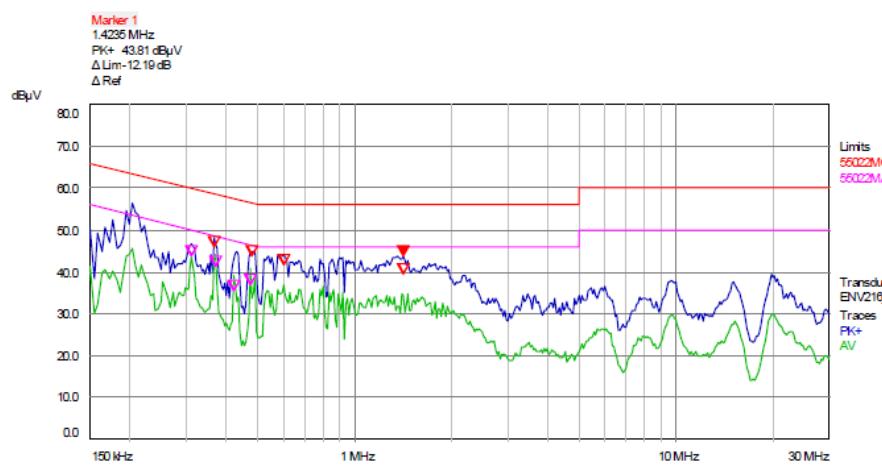
原始 9.55dB

Final Measurement Results

Trace	Frequency (MHz)	Level (dB μ V)	Limit (dB μ V)	Delta Limit (dB)	Delta Ref (dB)	Comment
1 QP	0.3075	56.88	60.04	-3.16		N on
2 AV	0.3075	54.04 *	50.04	4.00		N on
2 AV	0.366	58.14 *	48.59	9.55		N on
1 QP	0.3705	60.13 *	58.49	1.64		N on
1 QP	0.42	55.47	57.45	-1.98		N on
2 AV	0.42	50.14 *	47.45	2.69		N on



Pre-measurement Graph



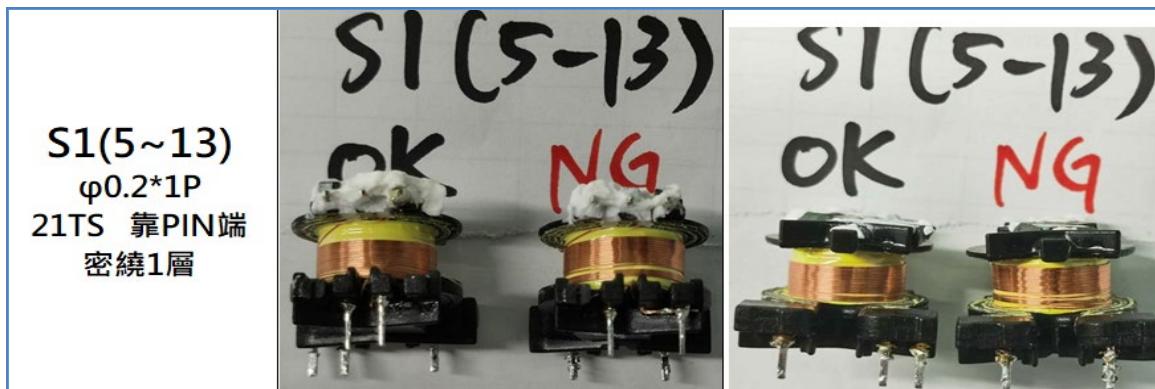
更换变压器后
-7.06dB

Final Measurement Results

Trace	Frequency (MHz)	Level (dB μ V)	Limit (dB μ V)	Delta Limit (dB)	Delta Ref (dB)	Comment
2 AV	0.312	43.63	49.92	-6.29		N on
1 QP	0.366	45.82	58.59	-12.77		N on
2 AV	0.3705	41.43	48.49	-7.06		N on
2 AV	0.42	35.55	47.45	-11.90		N on
2 AV	0.474	37.08	46.44	-9.36		N on
1 QP	0.4785	43.69	56.37	-12.68		N on
1 QP	0.6045	41.64	56.00	-14.36		N on
1 QP	1.4235	39.44	56.00	-16.56		N on

6-2. 拆解变压器确认其绕线方式，发现 Spec 定义 S1 层绕线应靠 Pin 端密绕，而实际有疏开。

繞線順序	線徑 (ϕ)			圈數 (T)	繞線方式	繞線層數	膠帶層數	NOTE
N1	11 – 3	2UEW-B 0.1mm x 15(twist) x 1P			22	密繞	2	2
S1	5 – 13	2UEW-B 0.2mm x 1P			21	密繞	1	3
N2	10 – 7	Triple wire 0.65mm x 1P			7	密繞	1	2
N3	6 – 5	2UEW-B 0.2mm x 1P			17	置中密繞	1	2
N4	11 – 2	2UEW-B 0.1mm x 15(twist) x 1P			20	密繞	2	2
N5	9 – 8	Triple wire 0.65mm x 1P			7	密繞	1	2
								NOTE 4, 反繞



7. Conclusion: 绕线不好变压器 +之前的设计 EMI margin 不稳定导致产品 EMI fail。

----- 2020/5/5

D5.) 改善措施: Corrective Action Verification:

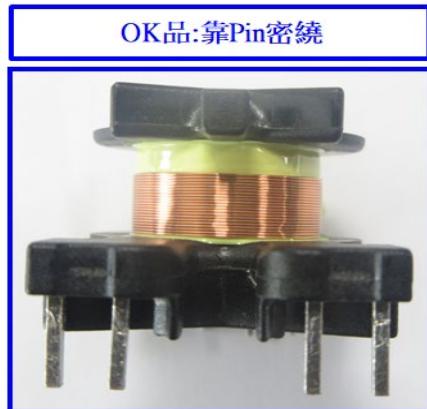
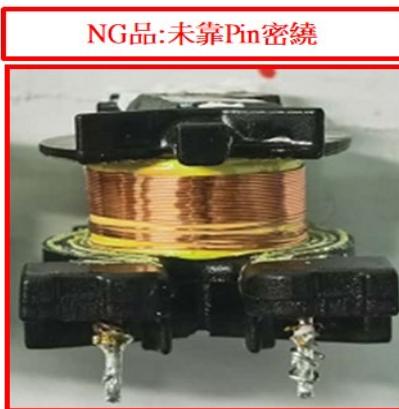
(Note: Be make sure the corrective actions is effective in process as well as able to fix the customer complaint problem)

1. 要求变压器厂商针对变压器做管控:

1-1. 设定绕线程序, 定义起绕结束点, 控制绕线不交叉重迭。

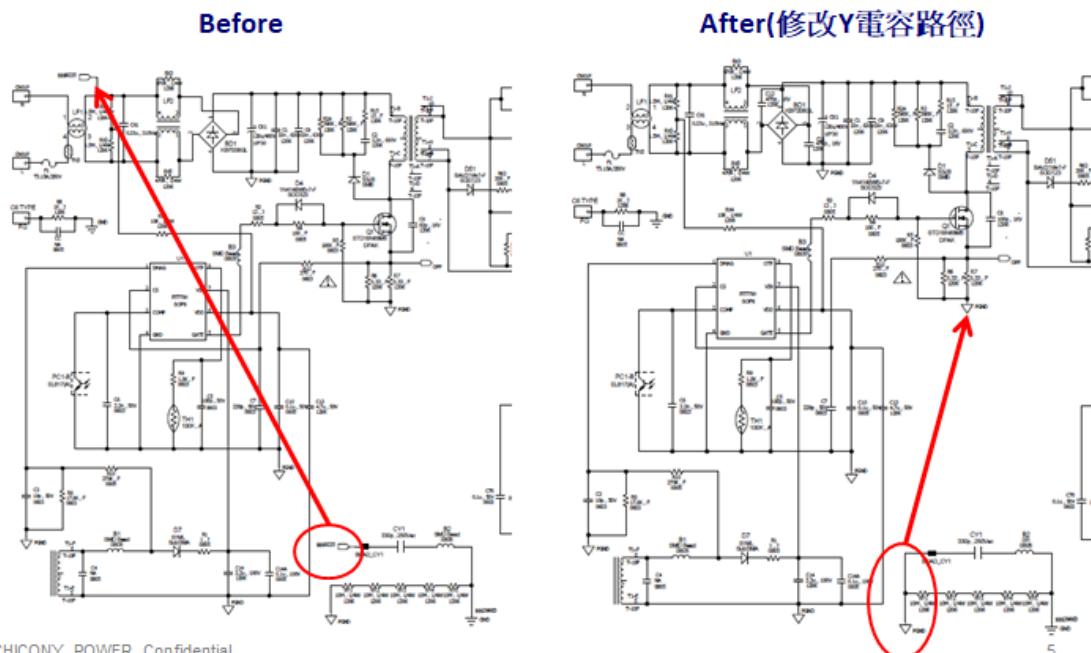


1-2. 将绕线重点控制加入 WI 中, 加入绕线不良图示, 绕 S1 层后人员先检查绕线状况再包胶布, 班组长及 IPQC 每 2 小时抽检确认绕线。



2. PCB 板 Re-Layout 增加 EMI 穩定性

a. SCH

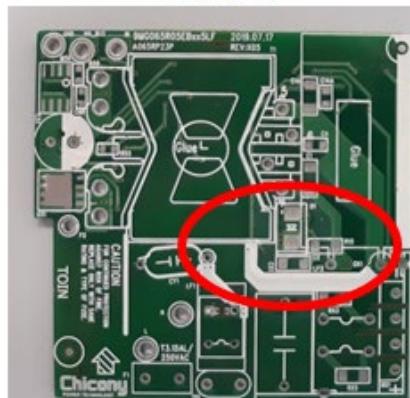


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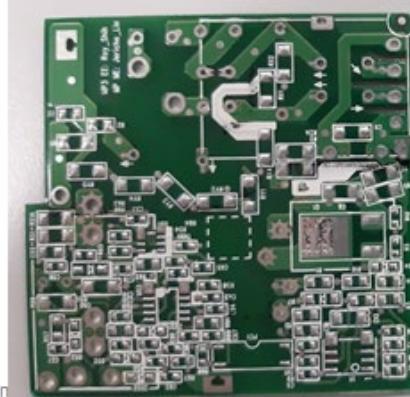
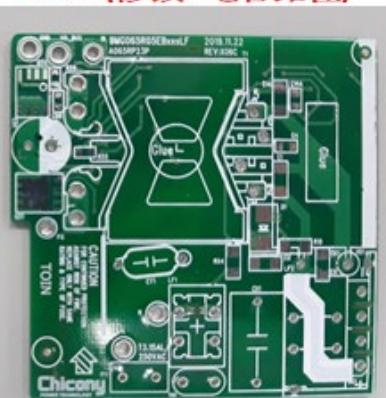


b. PCB

Before



After(修改Y電容路徑)



3. Chicony 工厂端针对 PD 65W 2pin 产品在 EMI 测试时增加接地这一条件，以此模拟搭配客户系统。

D6.) 改善措施實施日期:Implement Permanent Corrective Actions:

(Note: Be provide the phase-in date or lot# of corrective actions implementation in process)

2020/4/28

D7.) 預防再發生措施:Prevent Recurrence:

(Note: Modified the management, operating systems, practices, and procedures to prevent recurrence for the problems as well as lessons learned cases.)

Same as D5



D8.) 確認並感謝問題解決成員:Check and Congratulate the Team:

(Note: Recognize the collective efforts of the team.)

Thanks to you all ! ! !

Signature

Vicky_Zhang

Team Leader:

Name – Title

Signature by Approver:

Cf_Liu

Name-Title

附錄:

Adapter 拆解 2PCS

G71C000LR110 K408C0114RCB

G71C000LR110 JZ02C00Y0RCB

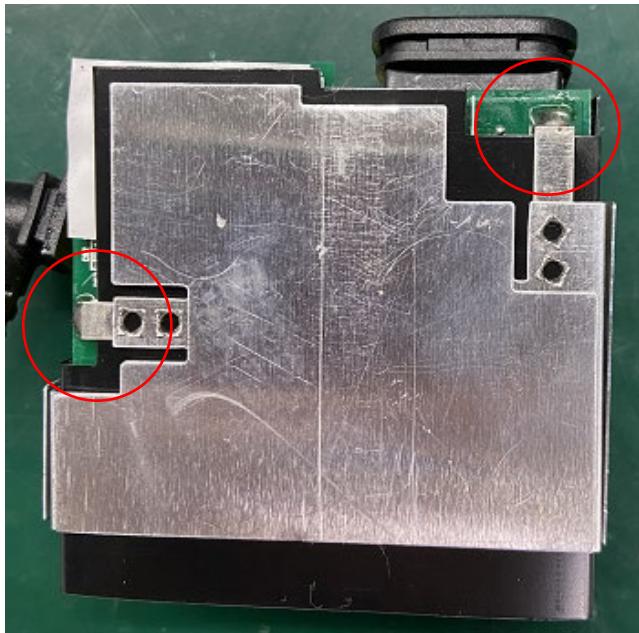
● G71C000LR110 K408C0114RCB

1. 电源本体





- 2.人耳旁摇晃产品，无异音
- 3.拆解 case，里层为防护罩，观察防护罩焊点无异常



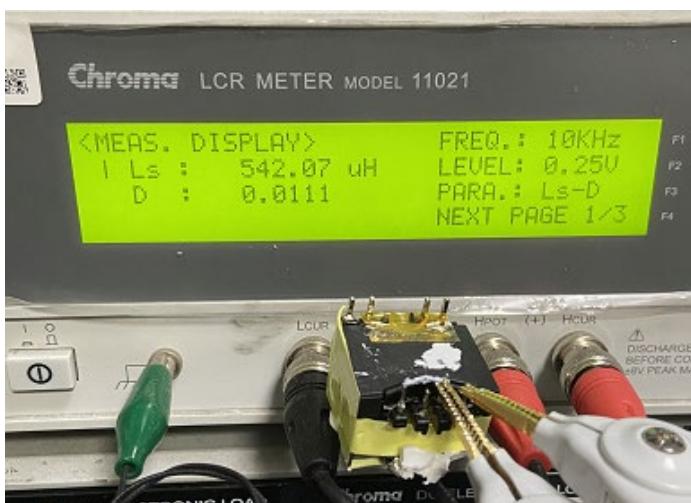
- 4.取下防护罩，在可见范围内观察产品 SMD 件焊接无异常，DIP 件无插件不良状况



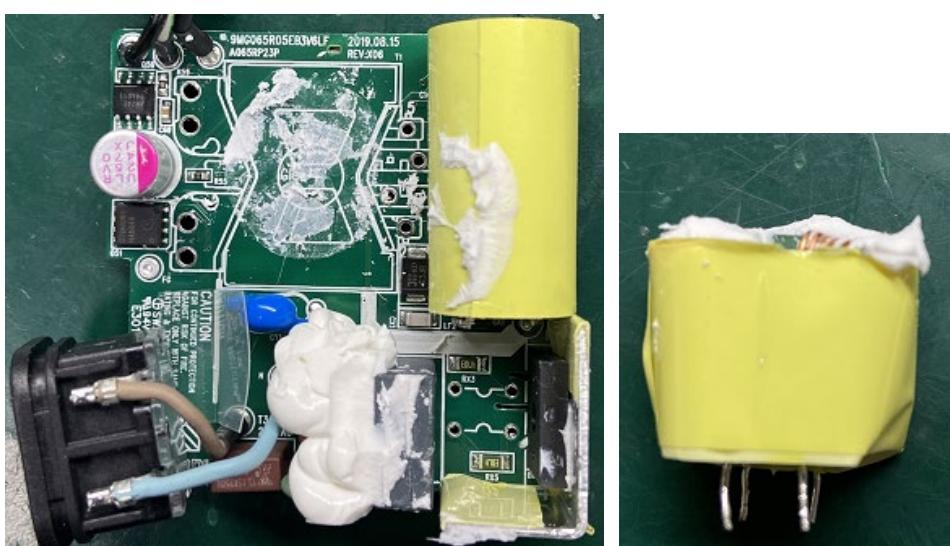
- 5.取变压器 T1，T1 Vendor: 制五



量测 TI 感量值: 542.07uH



6. 取电感 LF2

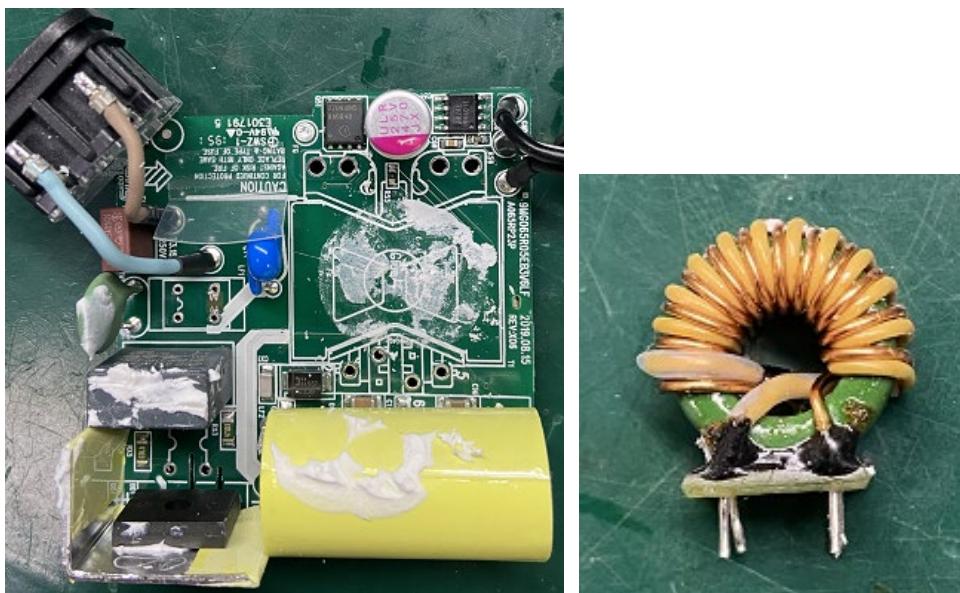




量测 LF2 感量值: 15.5mH



7. 取电感 LF1



量测 LF1 感量值: 685.31uH





以上所量测零件感量值均在规格内：

EMI相关零件	感量测试值	感量SPEC
T1	542.07uH	530uH +/-5%
LF2	15.5mH	11.64mH min
LF1	685.31uH	460uH min

(因设备受限，仅能测试感量)



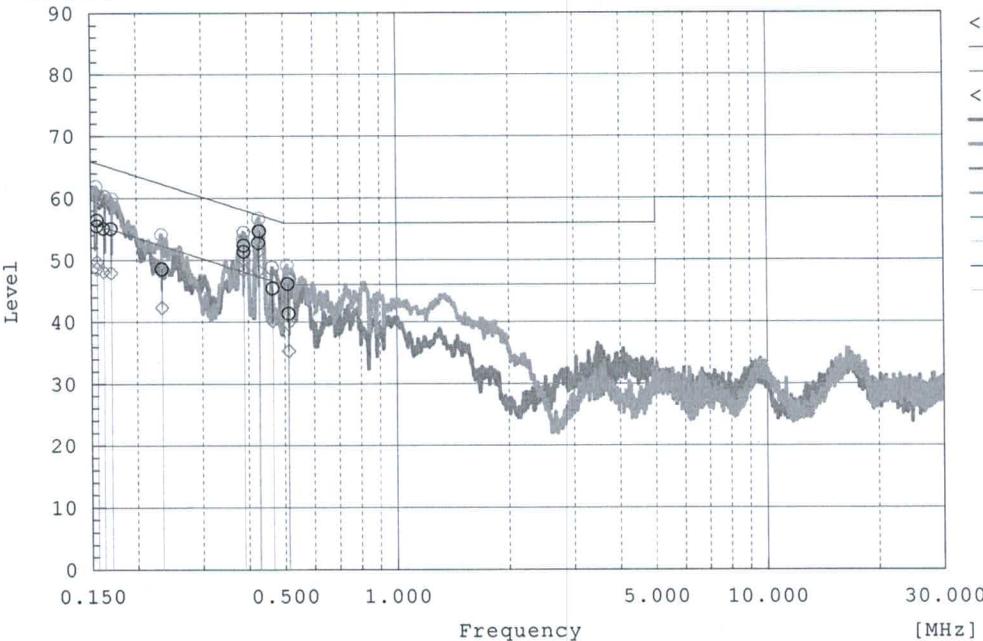
CE 電源適配器

Form No.SMQA061 2.0 版
保存期限: 5 年

Model : PLR41E-004002111
 Serial : 40112269H
 Operator : Yu xiaohua
 AC Power : 230V/50Hz
 Temp, Humidity 24.9D/46.7%

Standard : EN55032 Class B
 Remark1 :
 Remark2 :
 Remark3 :
 Remark4 :

[dB(uV)]



<EN55032b>

- Limit (QP)
- Limit (AV)
- <40112269H-power>
 - Spectrum (N,PK)
 - Spectrum (L1,PK)
 - Suspected Item(N)
 - Suspected Item(L1)
 - Final Item-QP(N)
 - ◇ Final Item-AV(N)
 - Final Item-QP(L1)
 - ◇ Final Item-AV(L1)

Final Result

--- N Phase ---

No.	Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
	[MHz]	QP	AV	[dB]	QP	AV	QP	AV	QP	AV
		[dB(uV)]	[dB(uV)]		[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB]	[dB]
1	0.15565	45.6	38.7	9.9	55.5	48.6	65.7	55.7	10.2	7.1
2	0.16237	45.2	38.2	9.9	55.1	48.1	65.3	55.3	10.2	7.2
3	0.38997	42.1	39.8	10.2	52.3	50.0	58.1	48.1	5.8	-1.9
4	0.42735	42.4	38.0	10.3	52.7	48.3	57.3	47.3	4.6	-1.0
5	0.46547	35.1	29.8	10.3	45.4	40.1	56.6	46.6	11.2	6.5
6	0.51285	31.0	25.0	10.3	41.3	35.3	56.0	46.0	14.7	10.7

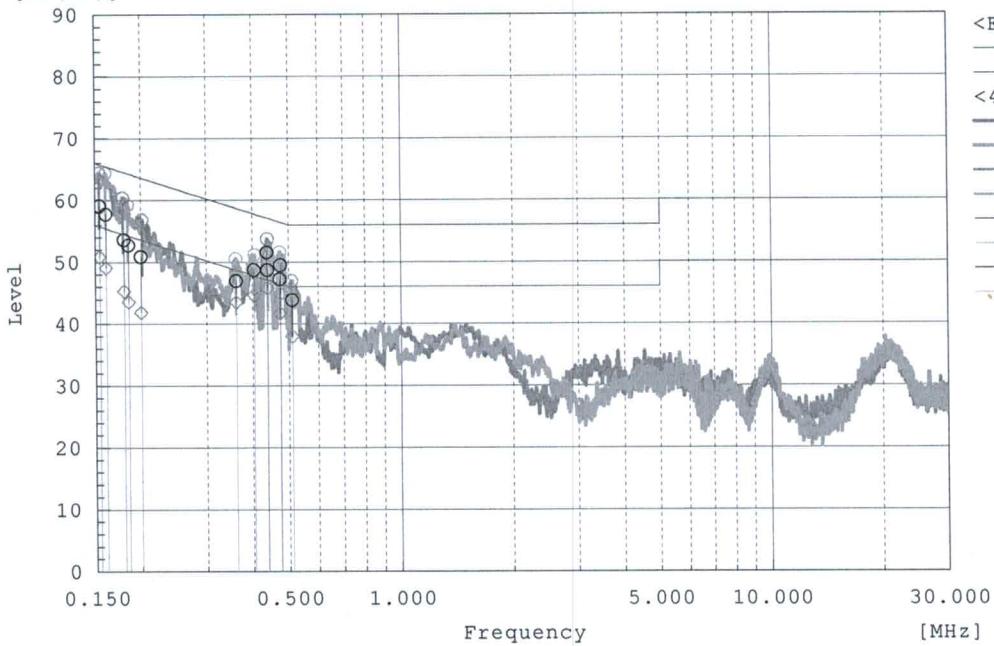
--- L1 Phase ---

No.	Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
	[MHz]	QP	AV	[dB]	QP	AV	QP	AV	QP	AV
		[dB(uV)]	[dB(uV)]		[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB]	[dB]
1	0.15567	46.4	39.7	10.0	56.4	49.7	65.7	55.7	9.3	6.0
2	0.17045	45.1	37.9	10.0	55.1	47.9	64.9	54.9	9.8	7.0
3	0.23404	38.6	32.3	10.0	48.6	42.3	62.3	52.3	13.7	10.0
4	0.38945	41.3	38.3	10.0	51.3	48.3	58.1	48.1	6.8	-0.2
5	0.42977	44.7	41.5	10.0	54.7	51.5	57.3	47.3	2.6	-4.2
6	0.51131	36.0	29.6	10.1	46.1	39.7	56.0	46.0	9.9	6.3

Model : PLR41E-004002111
 Serial : 40112114H
 Operator : Yu xiaohua
 AC Power : 230V/50Hz
 Temp, Humidity 24.9D/46.7%

Standard : EN55032 Class B
 Remark1 :
 Remark2 :
 Remark3 :
 Remark4 :

[dB(uV)]



<EN55032b>

- Limit (QP)
- Limit (AV)
- <40112114H-POWER>
 - Spectrum (N,PK)
 - Spectrum (L1,PK)
 - Suspected Item(N)
 - Suspected Item(L1)
 - Final Item-QP(N)
 - Final Item-AV(N)
 - Final Item-QP(L1)
 - ◇ Final Item-AV(L1)

Final Result

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading AV [dB(uV)]	c.f. [dB]	Result QP [dB(uV)]	Result AV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin AV [dB]
1	0.15426	49.2	40.9	9.9	59.1	50.8	65.8	55.8	6.7	5.0
2	0.17972	43.7	35.4	9.9	53.6	45.3	64.5	54.5	10.9	9.2
3	0.19999	40.9	31.8	10.0	50.9	41.8	63.6	53.6	12.7	11.8
4	0.43762	41.3	38.4	10.3	51.6	48.7	57.1	47.1	5.5	-1.6
5	0.47399	36.9	31.4	10.3	47.2	41.7	56.4	46.4	9.2	4.7
6	0.51105	33.5	27.6	10.3	43.8	37.9	56.0	46.0	12.2	8.1

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading AV [dB(uV)]	c.f. [dB]	Result QP [dB(uV)]	Result AV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin AV [dB]
1	0.16066	47.7	39.1	10.0	57.7	49.1	65.4	55.4	7.7	6.3
2	0.18484	42.7	33.5	10.0	52.7	43.5	64.3	54.3	11.6	10.8
3	0.36151	36.9	33.5	10.0	46.9	43.5	58.7	48.7	11.8	5.2
4	0.40427	38.7	34.6	10.0	48.7	44.6	57.8	47.8	9.1	3.2
5	0.43947	38.7	35.7	10.0	48.7	45.7	57.1	47.1	8.4	1.4
6	0.47548	39.5	34.9	10.0	49.5	44.9	56.4	46.4	6.9	1.5





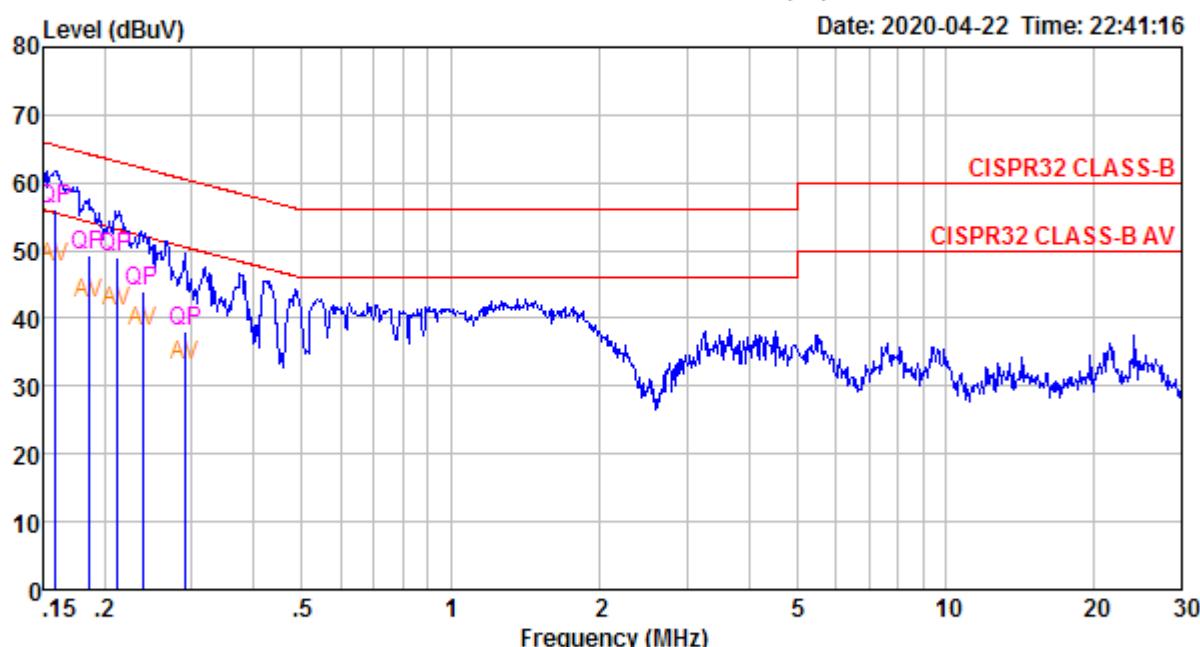
A065RP23P-DA01-5PCS-PASS

Form No.SMQA061 2.0 版
保存期限: 5 年

Data: 1

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)

Date: 2020-04-22 Time: 22:41:16



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C0119RCB

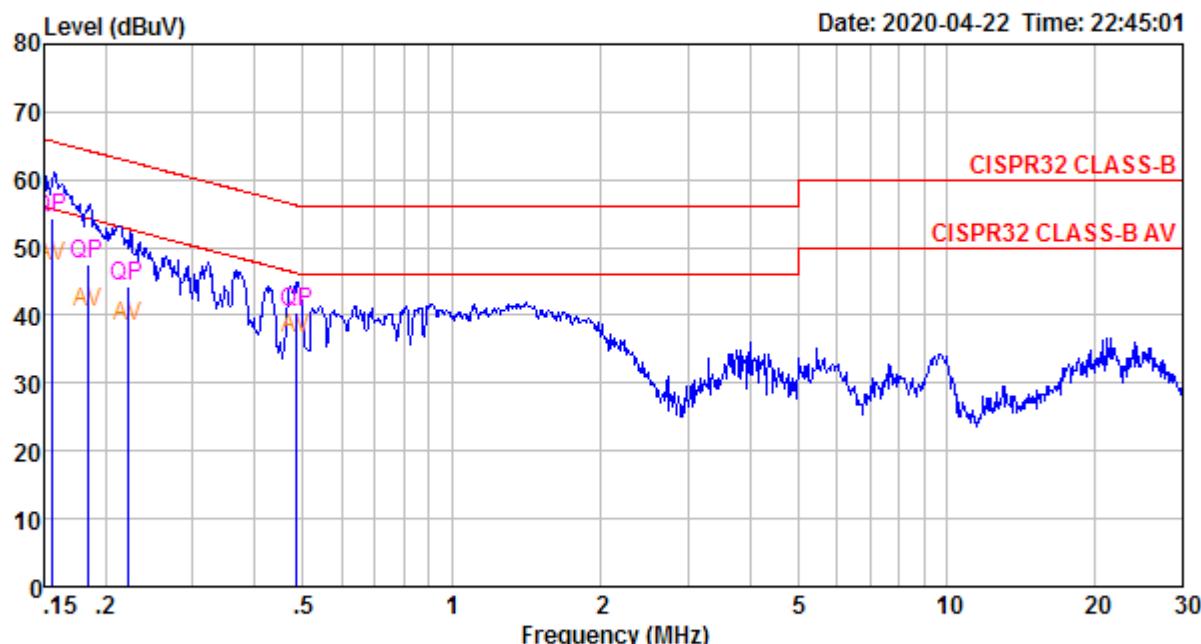
M/N :A065RP23P-DA01

Phase: LINE

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	36.81	28.21	19.23	56.04	47.44	65.53	55.53	-9.49	-8.09
0.19	29.67	22.66	19.69	49.36	42.35	64.25	54.25	-14.89	-11.90
0.21	28.90	20.92	20.12	49.02	41.04	63.14	53.14	-14.12	-12.10
0.24	23.55	17.53	20.44	43.99	37.97	62.16	52.16	-18.17	-14.19
0.29	17.76	12.78	20.21	37.97	32.99	60.51	50.51	-22.54	-17.52

Data: 2

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)

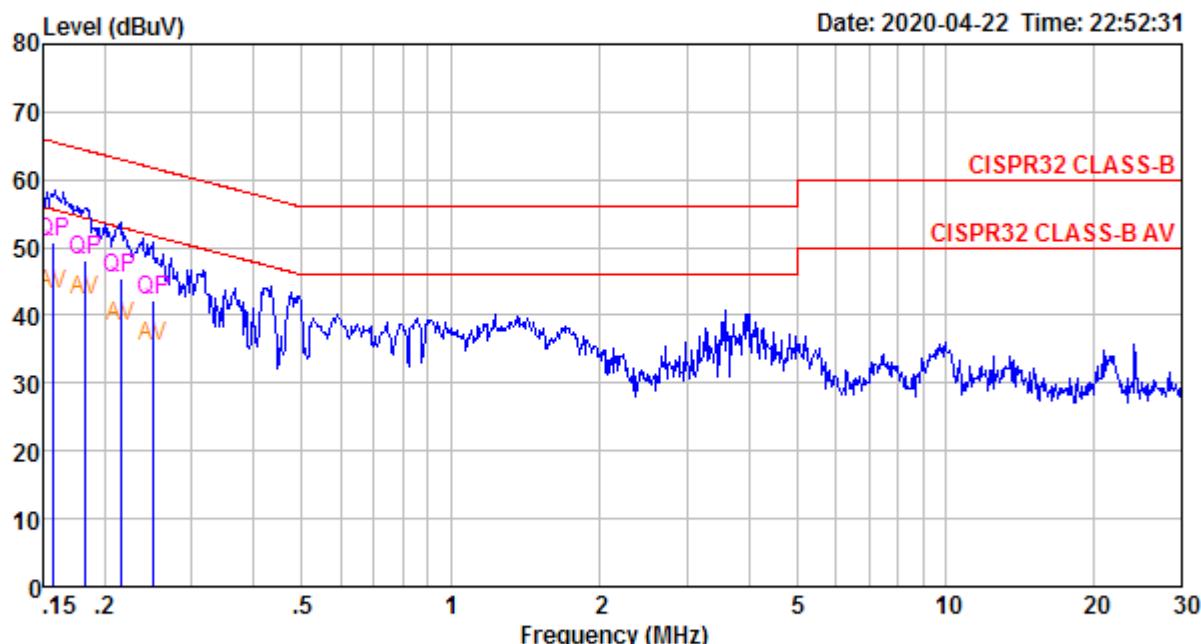


Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C0119RCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	34.69	27.54	19.56	54.25	47.10	65.72	55.72	-11.47	-8.62
0.18	28.00	20.90	19.57	47.57	40.47	64.31	54.31	-16.74	-13.84
0.22	24.36	18.64	19.80	44.16	38.44	62.75	52.75	-18.59	-14.31
0.49	20.88	16.99	19.55	40.43	36.54	56.22	46.22	-15.79	-9.68

Data: 3

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)

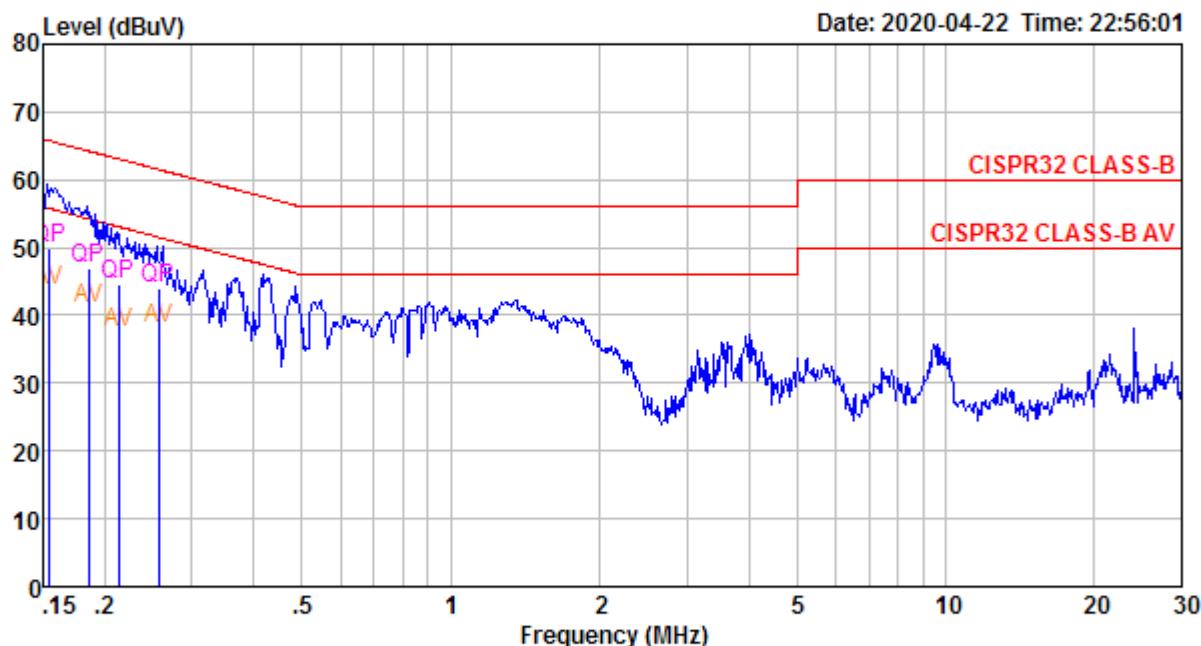


Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C0113RCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	31.52	23.90	19.20	50.72	43.10	65.58	55.58	-14.86	-12.48
0.18	28.51	22.71	19.64	48.15	42.35	64.36	54.36	-16.21	-12.01
0.21	25.28	18.15	20.16	45.44	38.31	63.02	53.02	-17.58	-14.71
0.25	21.67	15.14	20.43	42.10	35.57	61.74	51.74	-19.64	-16.17

Data: 4

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)



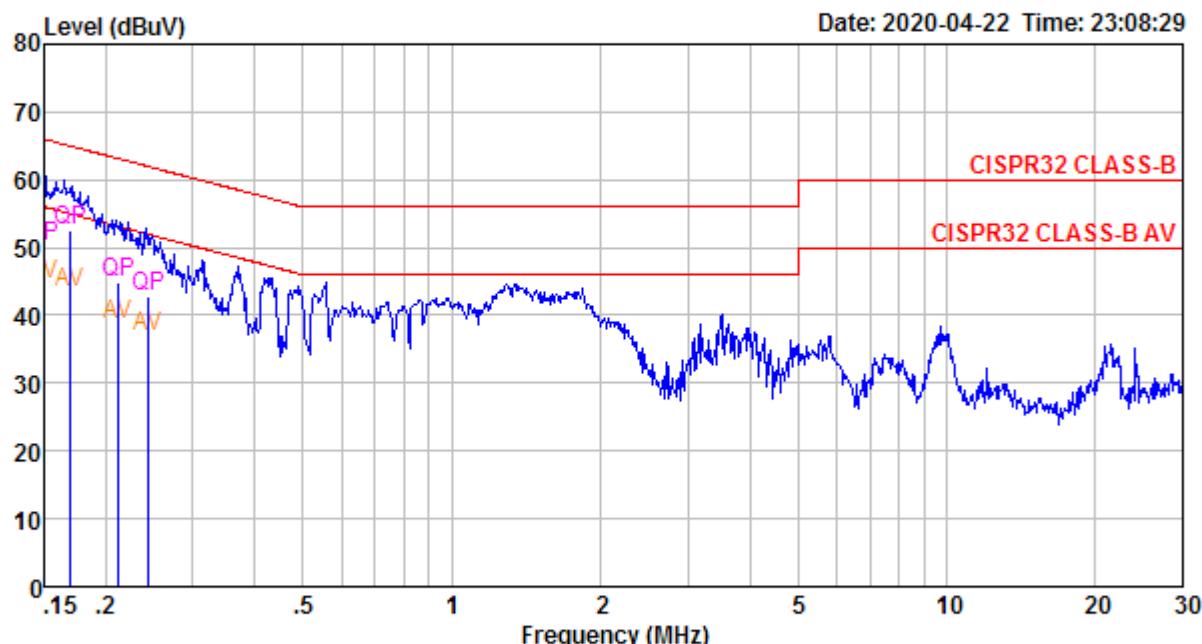
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C0113RCB

M/N :A065RP23P-DA01
 Phase: NEUTRAL

Freq	RD QP	RD AV	C.F	Result QP	Result AV	Limit QP	Limit AV	Over Limit QP	Over Limit AV
MHz	dBuV	dBuV		dBuV	dBuV	dBuV	dBuV	dB	dB
0.15	30.28	24.26	19.56	49.84	43.82	65.76	55.76	-15.92	-11.94
0.19	27.49	21.40	19.58	47.07	40.98	64.25	54.25	-17.18	-13.27
0.21	24.88	17.77	19.75	44.63	37.52	63.08	53.08	-18.45	-15.56
0.26	23.85	18.21	20.01	43.86	38.22	61.52	51.52	-17.66	-13.30

Data: 5

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)



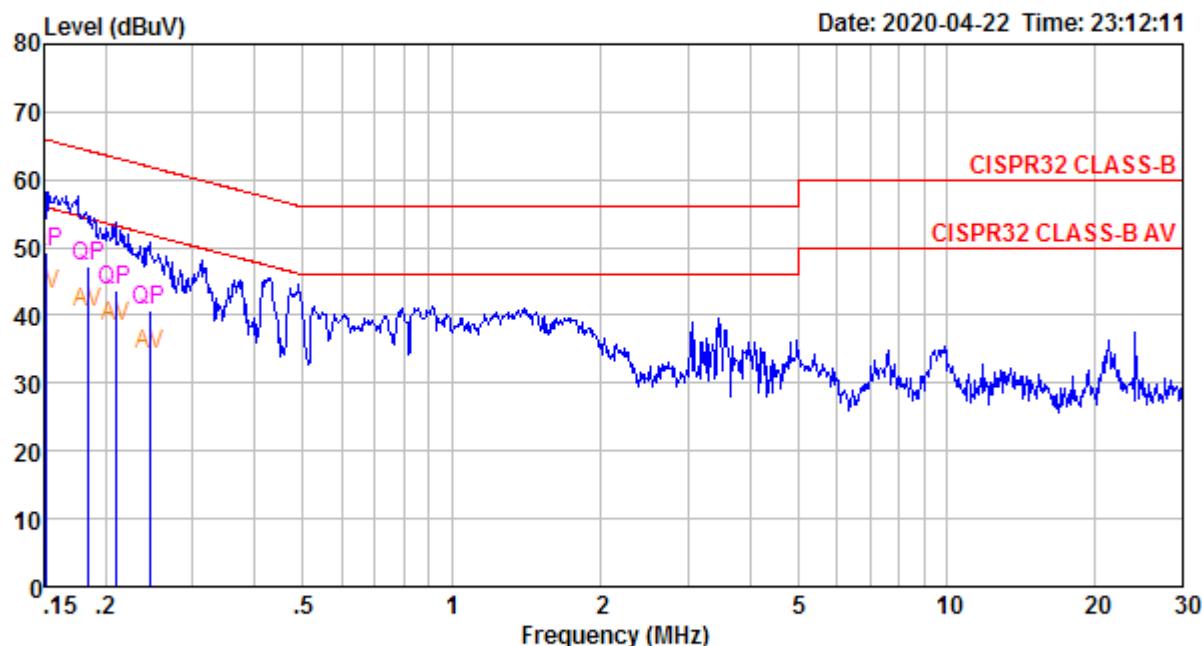
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C012VRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.15	31.10	25.37	19.12	50.22	44.49	66.00	56.00	-15.78	-11.51
0.17	33.06	24.13	19.41	52.47	43.54	64.98	54.98	-12.51	-11.44
0.21	24.86	18.40	20.14	45.00	38.54	63.12	53.12	-18.12	-14.58
0.24	22.36	16.53	20.46	42.82	36.99	61.94	51.94	-19.12	-14.95

Data: 6

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)

Date: 2020-04-22 Time: 23:12:11

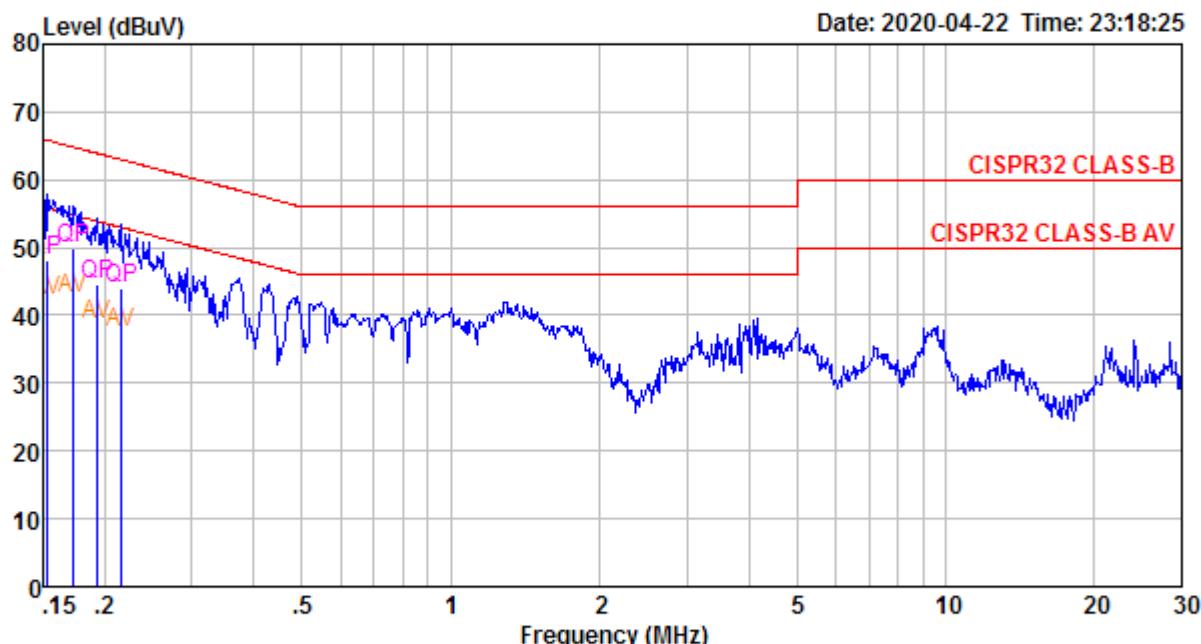


Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C012VRCB

Freq MHz	RD QP dB _{uV}	RD AV dB _{uV}	C.F	Result QP dB _{uV}	Result AV dB _{uV}	Limit QP dB _{uV}	Limit AV dB _{uV}	Over Limit QP dB	Over Limit AV dB
0.15	29.61	23.53	19.59	49.20	43.12	65.90	55.90	-16.70	-12.78
0.18	27.79	20.78	19.57	47.36	40.35	64.30	54.30	-16.94	-13.95
0.21	24.04	18.54	19.72	43.76	38.26	63.24	53.24	-19.48	-14.98
0.24	20.87	14.28	19.93	40.80	34.21	61.93	51.93	-21.13	-17.72

Data: 7

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)

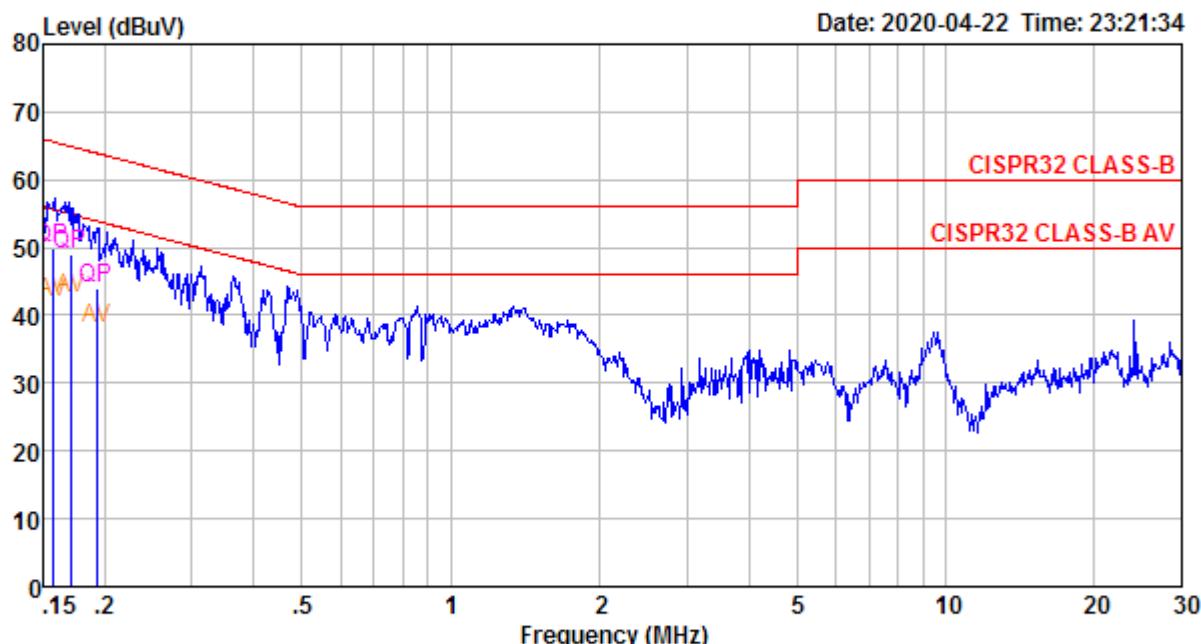


Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C00ZSRCB

Freq MHz	RD QP dBuV		RD AV dBuV		C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
	RD QP dBuV	RD AV dBuV	RD AV dBuV	RD AV dBuV							
0.15	28.97	23.02	19.14	48.11	42.16	65.87	55.87	-17.76	-13.71		
0.17	30.50	22.91	19.47	49.97	42.38	64.82	54.82	-14.85	-12.44		
0.19	24.87	18.91	19.84	44.71	38.75	63.90	53.90	-19.19	-15.15		
0.22	23.80	17.28	20.18	43.98	37.46	62.95	52.95	-18.97	-15.49		

Data: 8

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)



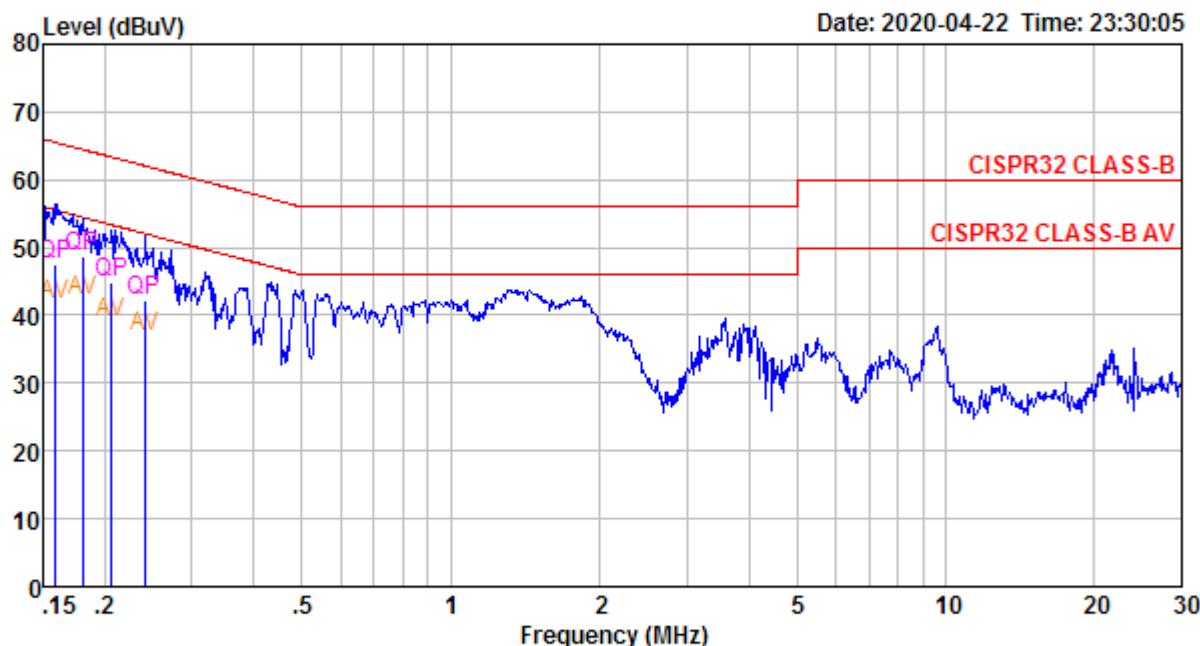
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C00ZSRCB

Freq	RD QP	RD AV	C.F	Result QP	Result AV	Limit QP	Limit AV	Over Limit QP	Over Limit AV
MHz	dBuV	dBuV		dBuV	dBuV	dBuV	dBuV	dB	dB
0.16	30.22	22.46	19.55	49.77	42.01	65.63	55.63	-15.86	-13.62
0.17	29.51	22.94	19.54	49.05	42.48	64.93	54.93	-15.88	-12.45
0.19	24.42	18.40	19.63	44.05	38.03	63.92	53.92	-19.87	-15.89

Data: 9

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)

Date: 2020-04-22 Time: 23:30:05

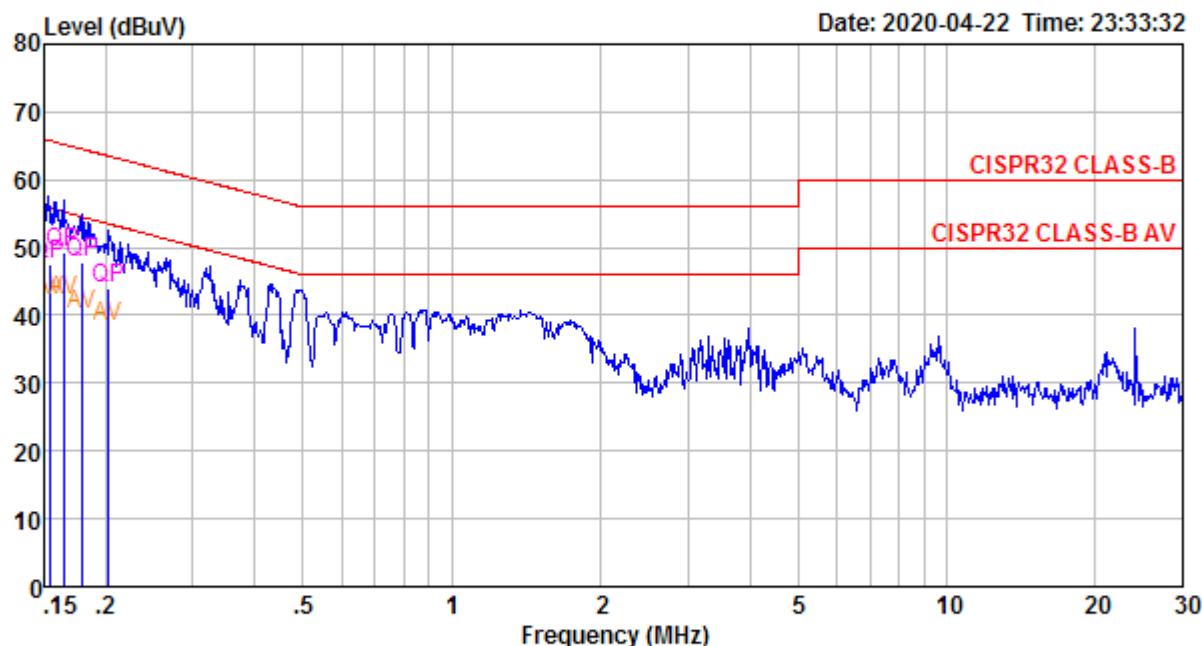


Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C00ZXRCB

Freq MHz	RD QP dB _{uV}	RD AV dB _{uV}	C.F	Result QP dB _{uV}	Result AV dB _{uV}	Limit QP dB _{uV}	Limit AV dB _{uV}	Over Limit QP dB	Over Limit AV dB
0.16	28.29	22.27	19.23	47.52	41.50	65.51	55.51	-17.99	-14.01
0.18	29.14	22.54	19.60	48.74	42.14	64.48	54.48	-15.74	-12.34
0.21	24.86	18.78	20.05	44.91	38.83	63.35	53.35	-18.44	-14.52
0.24	21.73	16.48	20.46	42.19	36.94	62.08	52.08	-19.89	-15.14

Data: 10

File: D:\EMC\Conduction\201906\20200422-10.EM6 (10)



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : G71C000LR110K408C00ZXRCB

Freq	RD QP	RD AV	C.F	Result QP	Result AV	Limit QP	Limit AV	Over Limit QP	Over Limit AV
MHz	dBuV	dBuV		dB	dBuV	dBuV	dBuV	dB	dB
0.15	27.84	22.54	19.56	47.40	42.10	65.79	55.79	-18.39	-13.69
0.16	29.76	22.82	19.54	49.30	42.36	65.24	55.24	-15.94	-12.88
0.18	28.33	20.48	19.56	47.89	40.04	64.51	54.51	-16.62	-14.47
0.20	24.27	18.70	19.69	43.96	38.39	63.50	53.50	-19.54	-15.11

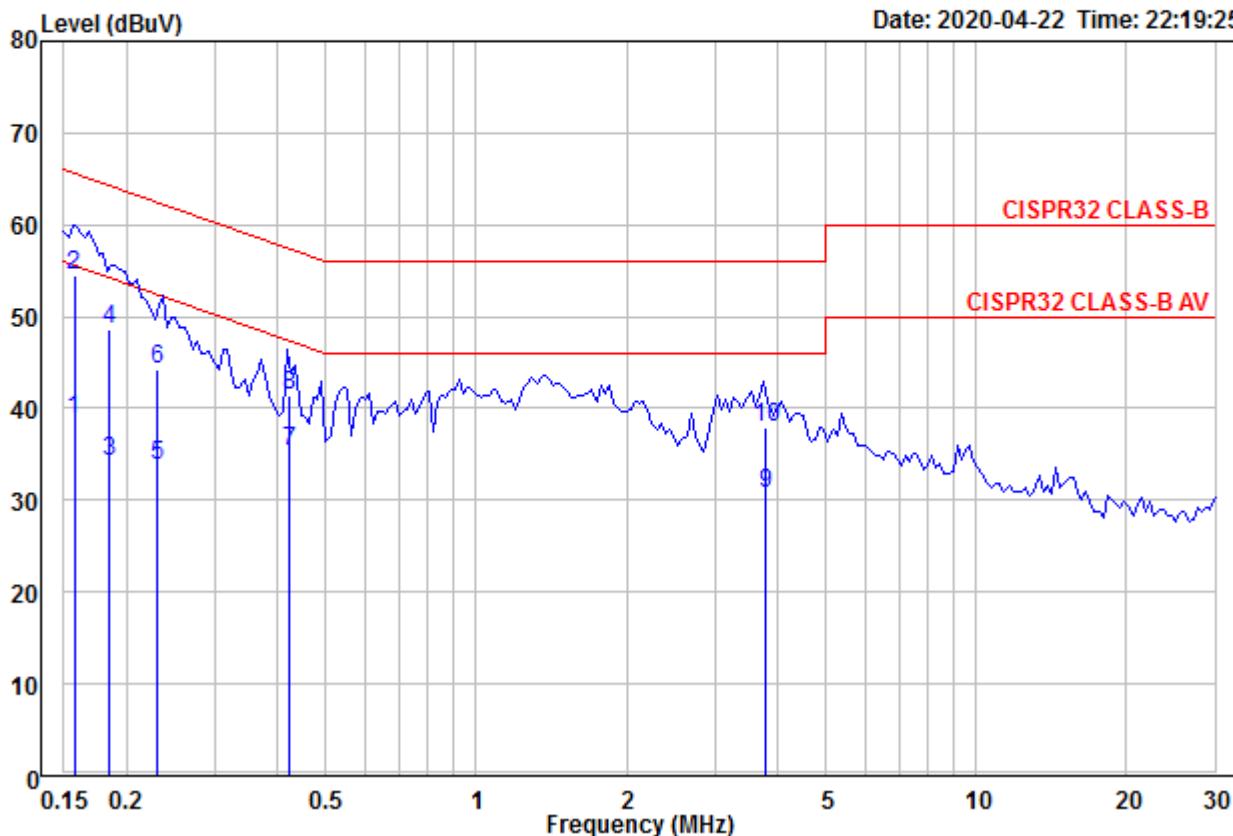


A065RP23P--DA01-5PCS-PASS

Form No.SMQA061 2.0 版
保存期限: 5 年

File: E:\Test Data\Chicony Power\DA\DA_00001.EMI

Date: 2020-04-22 Time: 22:19:25



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Line

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

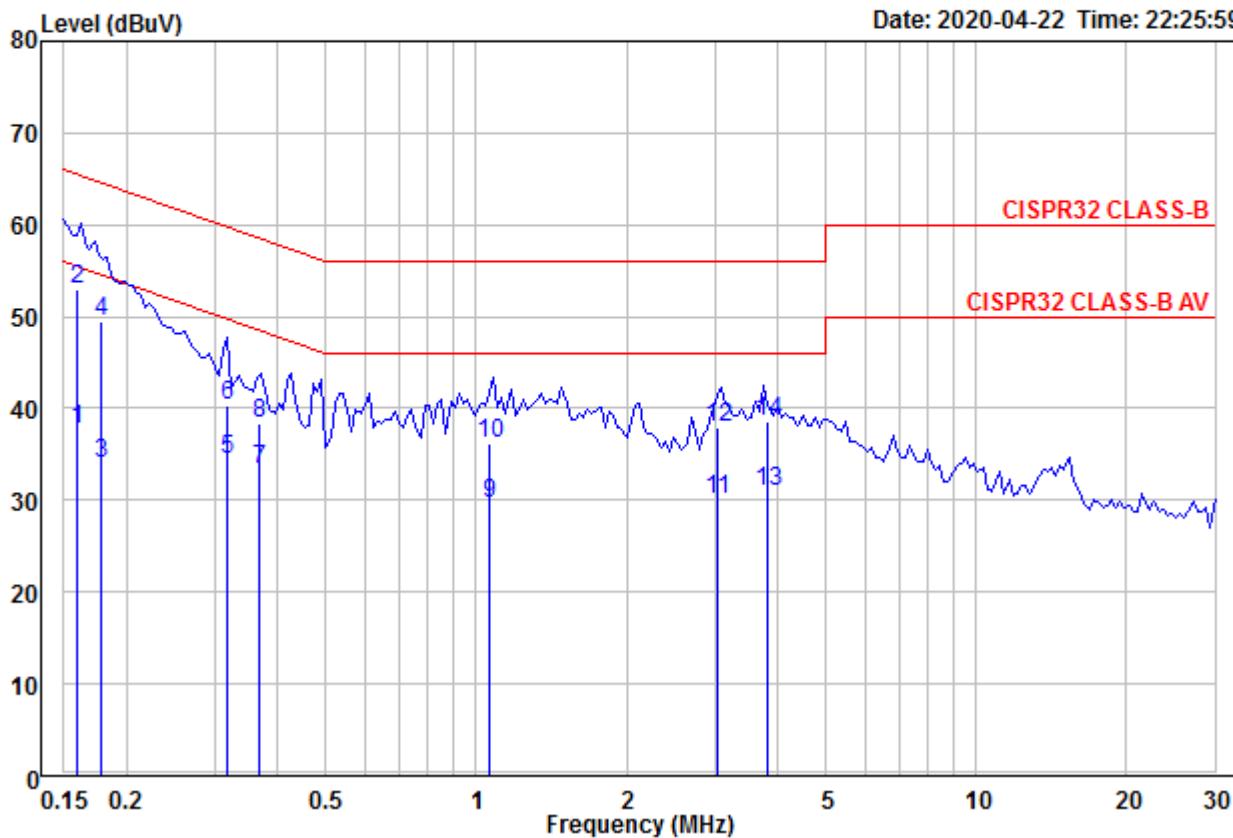
Test Mode: 20V LOAD

MEMO: G71C00LR110K408C0120RCB

	Freq	LISN Factor	Cable Loss	Read Level	Limit Level	Line	Over Limit	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB		
1	0.16	8.10	10.00	20.69	38.79	55.62	-16.83	Line	Average
2 PP	0.16	8.10	10.00	36.32	54.42	65.62	-11.20	Line	QP
3	0.18	8.05	10.00	16.24	34.29	54.26	-19.97	Line	Average
4	0.18	8.05	10.00	30.61	48.66	64.26	-15.60	Line	QP
5	0.23	7.97	10.00	15.91	33.88	52.41	-18.53	Line	Average
6	0.23	7.97	10.00	26.36	44.33	62.41	-18.08	Line	QP
7 AV	0.42	8.12	10.00	17.15	35.27	47.37	-12.10	Line	Average
8	0.42	8.12	10.00	23.39	41.51	57.37	-15.86	Line	QP
9	3.78	9.94	10.00	10.86	30.80	46.00	-15.20	Line	Average
10	3.78	9.94	10.00	17.89	37.83	56.00	-18.17	Line	QP

File: E:\Test Data\Chicony Power\DA\DA_00002.EMI

Date: 2020-04-22 Time: 22:25:59



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Neutral

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

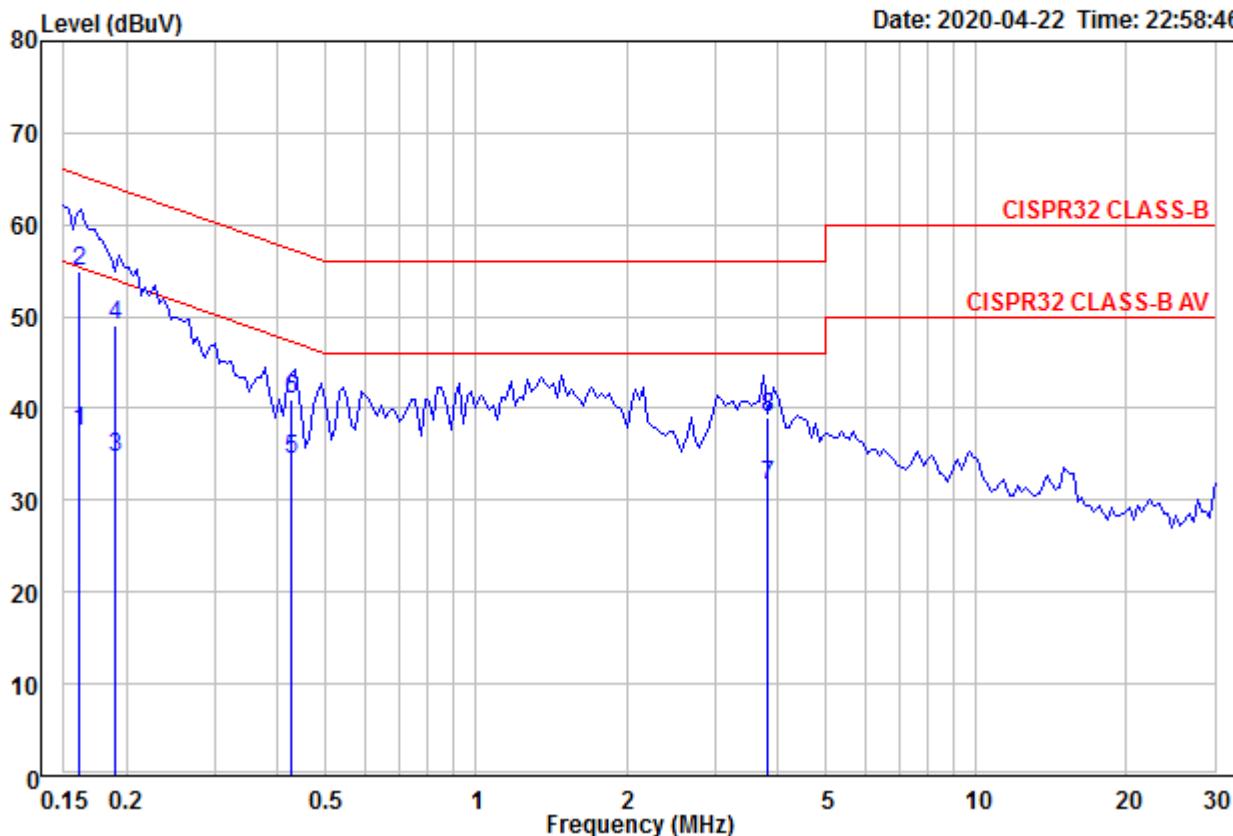
Test Mode: 20V LOAD

MEMO: G71C00LR110K408C0120RCB

	LISN Freq	Cable Factor	Read Loss	Limit Level	Over Line	Over Limit	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16	8.30	10.00	19.31	37.61	55.52	-17.91	Neutral Average
2 PP	0.16	8.30	10.00	34.73	53.03	65.52	-12.49	Neutral QP
3	0.18	8.07	10.00	15.90	33.97	54.58	-20.61	Neutral Average
4	0.18	8.07	10.00	31.51	49.58	64.58	-15.00	Neutral QP
5	0.32	7.60	10.00	16.95	34.55	49.79	-15.24	Neutral Average
6	0.32	7.60	10.00	22.80	40.40	59.79	-19.39	Neutral QP
7	0.37	7.74	10.00	15.64	33.38	48.55	-15.17	Neutral Average
8	0.37	7.74	10.00	20.73	38.47	58.55	-20.08	Neutral QP
9	1.06	8.45	10.00	11.10	29.55	46.00	-16.45	Neutral Average
10	1.06	8.45	10.00	17.72	36.17	56.00	-19.83	Neutral QP
11	3.04	8.39	10.00	11.72	30.11	46.00	-15.89	Neutral Average
12	3.04	8.39	10.00	19.47	37.86	56.00	-18.14	Neutral QP
13 AV	3.84	9.40	10.00	11.53	30.93	46.00	-15.07	Neutral Average
14	3.84	9.40	10.00	19.16	38.56	56.00	-17.44	Neutral QP

File: E:\Test Data\Chicony Power\DA\DA_00003.EMI

Date: 2020-04-22 Time: 22:58:46



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Line

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

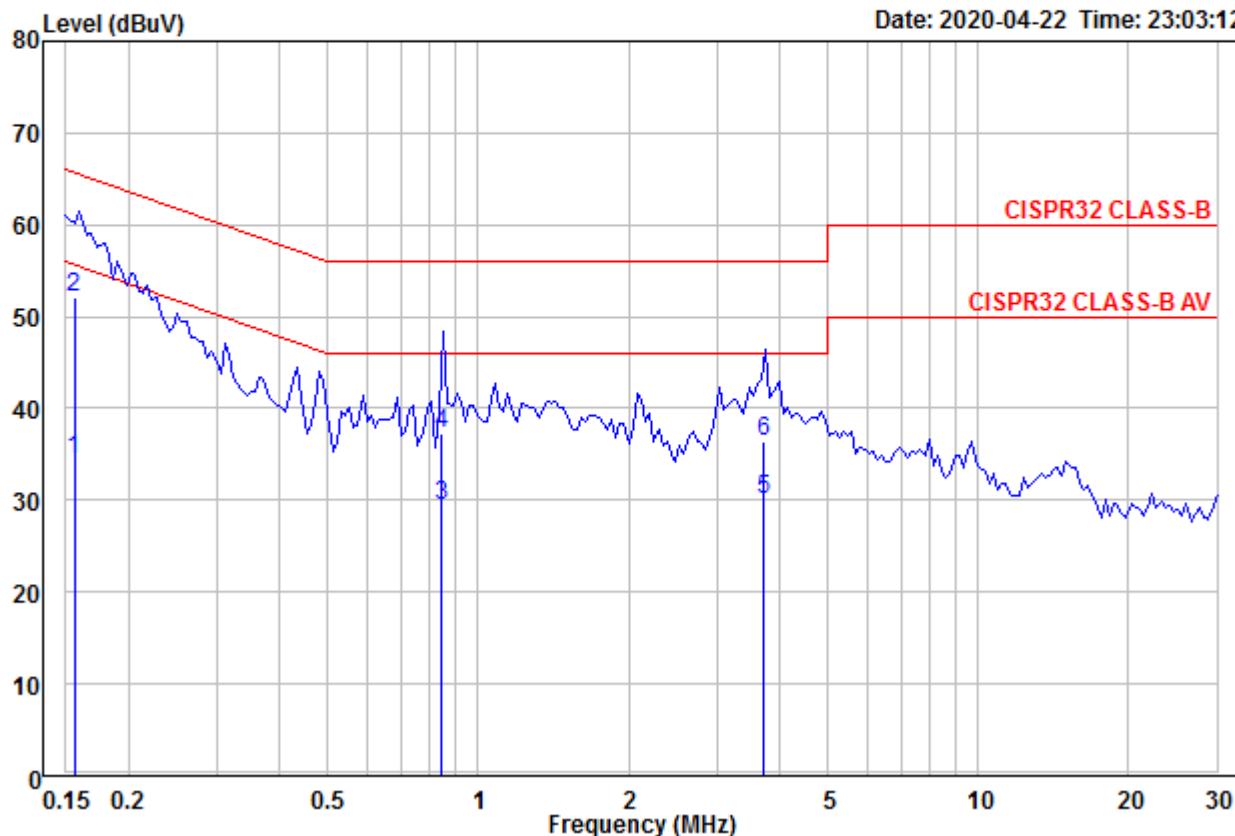
Test Mode: 20V LOAD

MEMO: G71C00LR110K408C0114RCB

Freq	LISN Factor	Cable	Read	Limit	Over	Pol/Phase	Remark
		Loss	Level	Level	Line		
1	0.16	8.10	10.00	19.45	37.55	55.44	-17.89 Line Average
2 PP	0.16	8.10	10.00	36.74	54.84	65.44	-10.60 Line QP
3	0.19	8.04	10.00	16.69	34.73	54.08	-19.35 Line Average
4	0.19	8.04	10.00	30.96	49.00	64.08	-15.08 Line QP
5 AV	0.43	8.12	10.00	16.36	34.48	47.30	-12.82 Line Average
6	0.43	8.12	10.00	22.82	40.94	57.30	-16.36 Line QP
7	3.83	9.99	10.00	11.65	31.64	46.00	-14.36 Line Average
8	3.83	9.99	10.00	19.00	38.99	56.00	-17.01 Line QP

File: E:\Test Data\Chicony Power\DA\DA_00004.EMI

Date: 2020-04-22 Time: 23:03:12



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Neutral

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

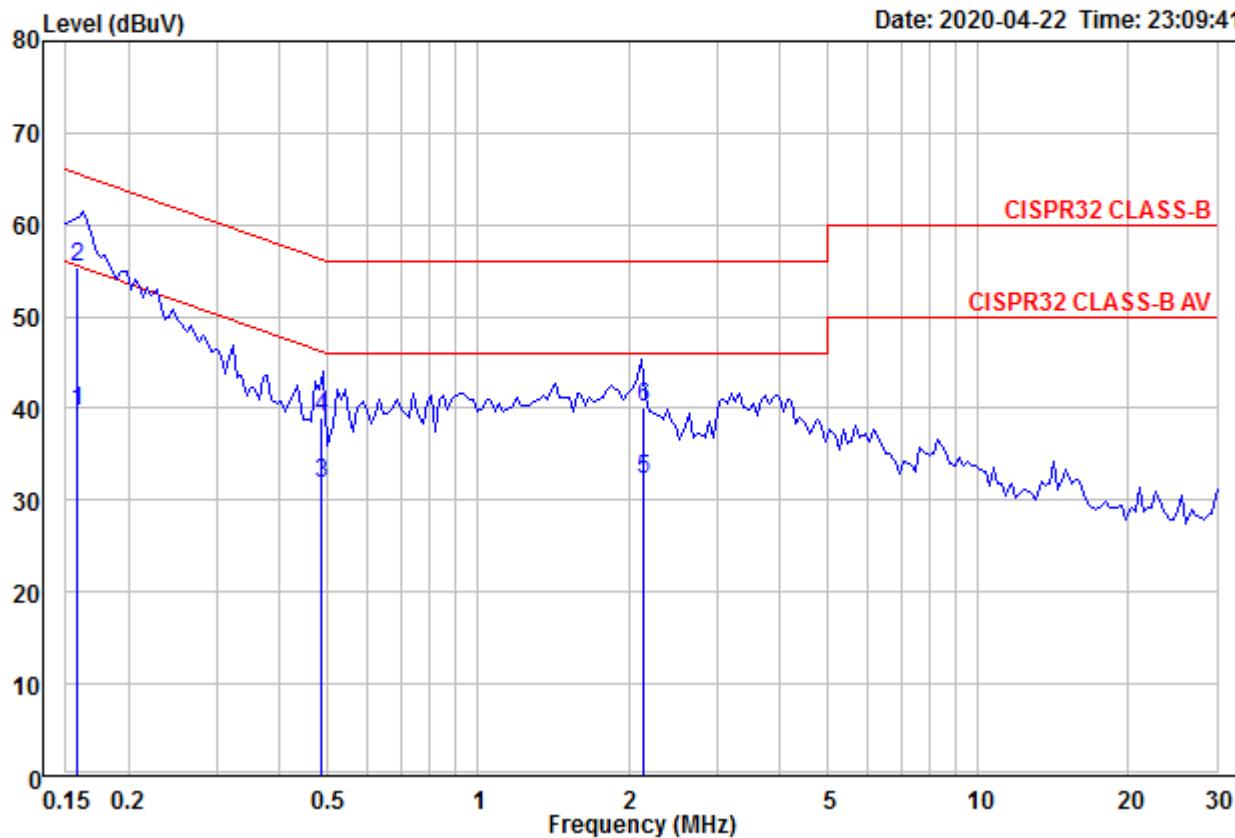
Test Mode: 20V LOAD

MEMO: G71C00LR110K408C0114RCB

Freq	LISN	Cable	Read	Limit	Over	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV		
1	0.16	8.34	10.00	16.13	34.47	55.69	-21.22 Neutral Average
2 PP	0.16	8.34	10.00	33.74	52.08	65.69	-13.61 Neutral QP
3	0.84	8.56	10.00	10.97	29.53	46.00	-16.47 Neutral Average
4	0.84	8.56	10.00	18.81	37.37	56.00	-18.63 Neutral QP
5 AV	3.73	9.28	10.00	10.82	30.10	46.00	-15.90 Neutral Average
6	3.73	9.28	10.00	17.16	36.44	56.00	-19.56 Neutral QP

File: E:\Test Data\Chicony Power\DA\DA_00005.EMI

Date: 2020-04-22 Time: 23:09:41



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Line

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

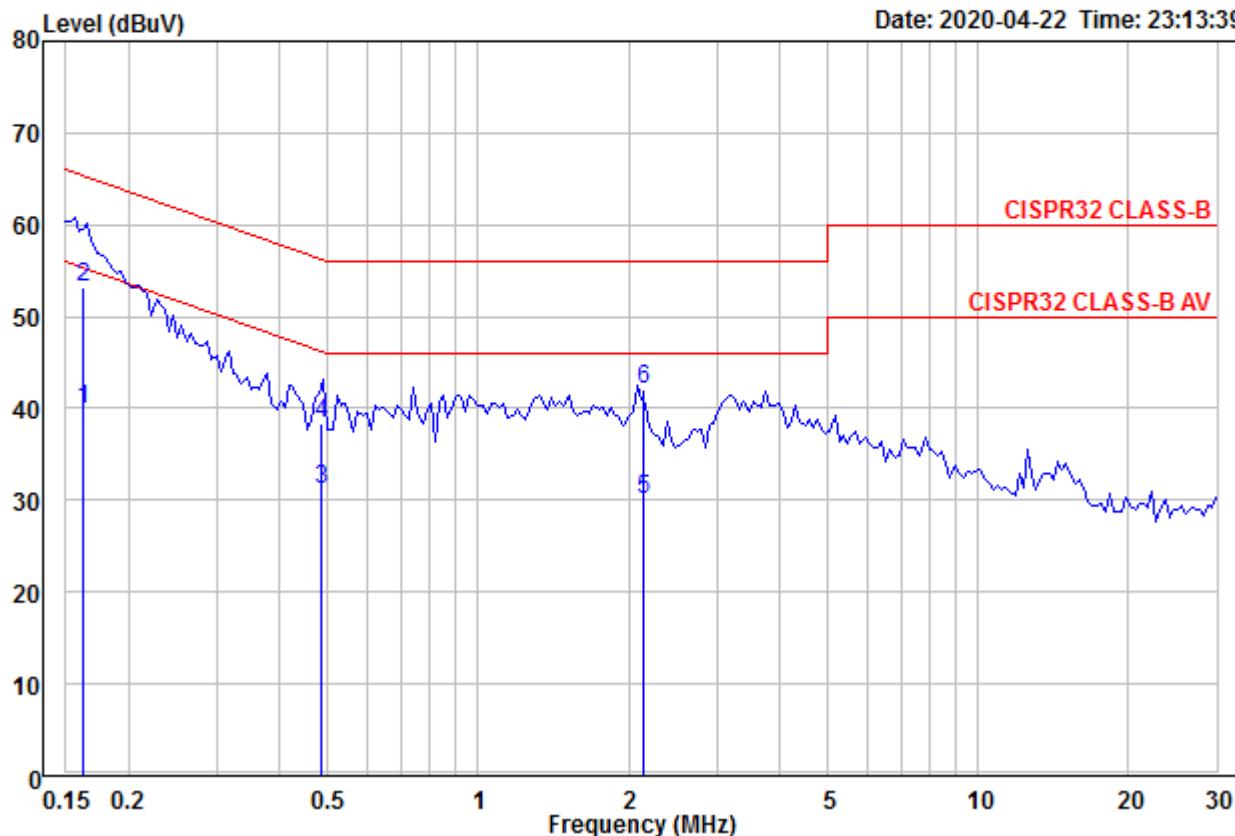
Test Mode: 20V LOAD

MEMO: G71C00LR110JZ02C00Y0RCB

Freq	LISN	Cable	Read	Limit	Over	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV		
1	0.16	8.10	10.00	21.64	39.74	55.55	-15.81 Line Average
2 PP	0.16	8.10	10.00	37.34	55.44	65.55	-10.11 Line QP
3	0.49	8.16	10.00	13.59	31.75	46.24	-14.49 Line Average
4	0.49	8.16	10.00	20.90	39.06	56.24	-17.18 Line QP
5 AV	2.13	8.96	10.00	13.40	32.36	46.00	-13.64 Line Average
6	2.13	8.96	10.00	21.21	40.17	56.00	-15.83 Line QP

File: E:\Test Data\Chicony Power\DA\DA_00006.EMI

Date: 2020-04-22 Time: 23:13:39



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Neutral

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

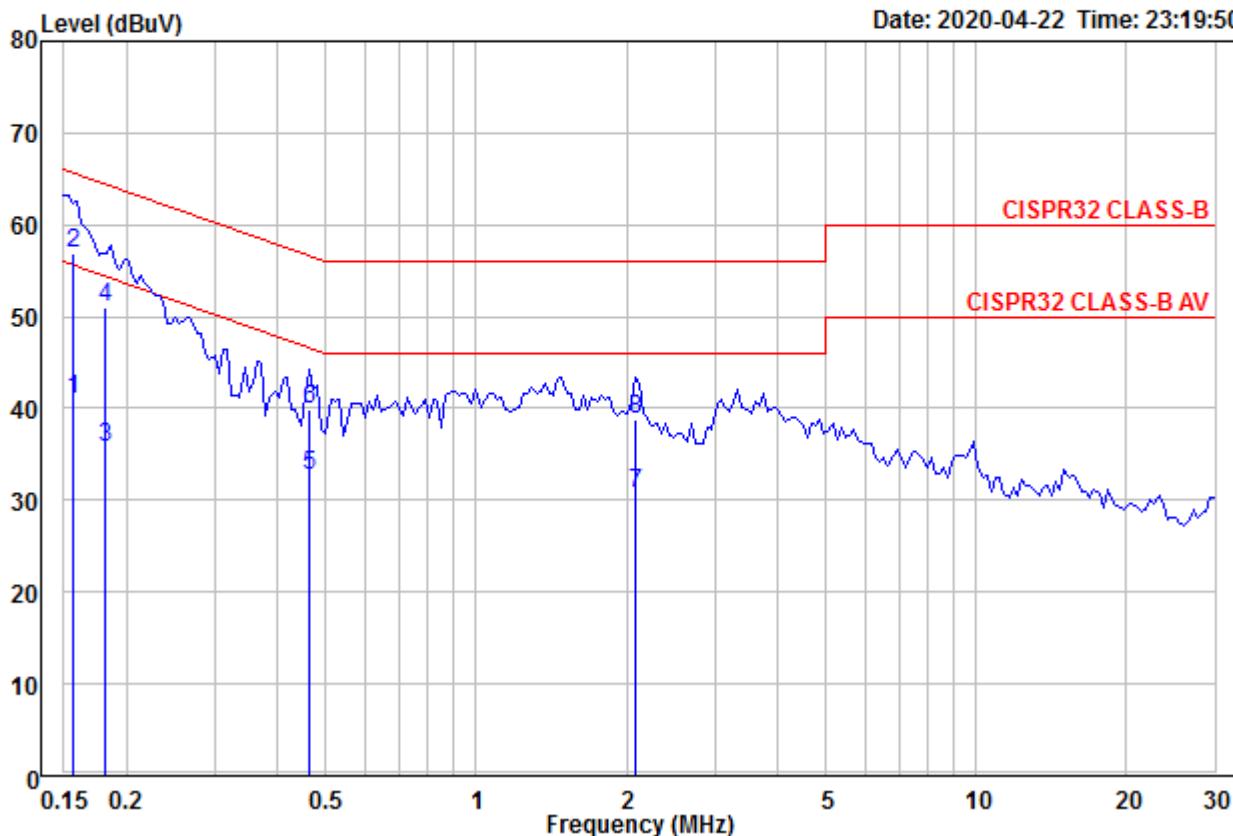
Test Mode: 20V LOAD

MEMO: G71C00LR110JZ02C00Y0RCB

Freq	LISN	Cable	Read	Limit	Over	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV		
1	0.16	8.27	10.00	21.66	39.93	55.38	-15.45 Neutral Average
2 PP	0.16	8.27	10.00	34.93	53.20	65.38	-12.18 Neutral QP
3 AV	0.49	8.01	10.00	13.10	31.11	46.22	-15.11 Neutral Average
4	0.49	8.01	10.00	20.37	38.38	56.22	-17.84 Neutral QP
5	2.13	8.26	10.00	11.75	30.01	46.00	-15.99 Neutral Average
6	2.13	8.26	10.00	23.73	41.99	56.00	-14.01 Neutral QP

File: E:\Test Data\Chicony Power\DA\DA_00007.EMI

Date: 2020-04-22 Time: 23:19:50



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Line

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

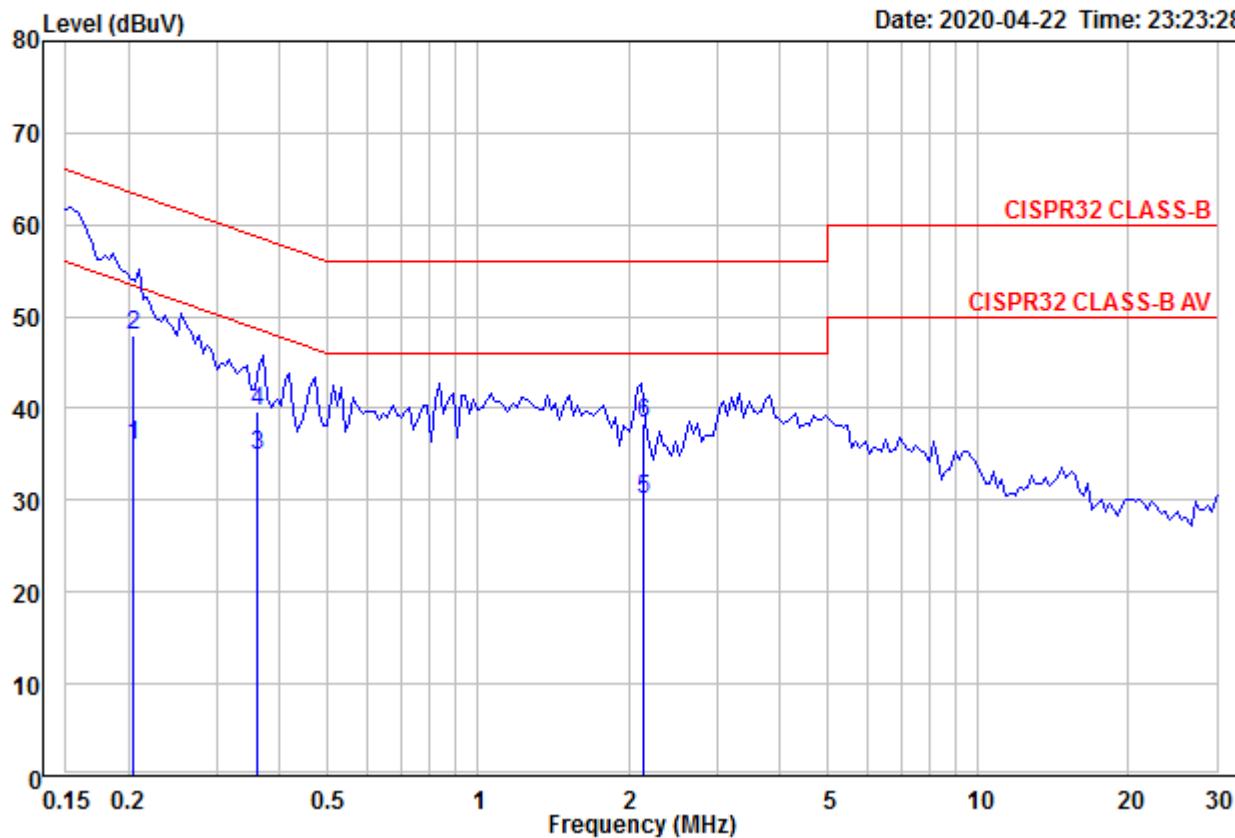
Test Mode: 20V LOAD

MEMO: G71C00LR110K408C013SRCB

	Freq	LISN Factor	Cable Loss	Read Level	Limit Level	Line	Over Limit	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB		
1	0.16	8.11	10.00	22.97	41.08	55.67	-14.59	Line	Average
2 PP	0.16	8.11	10.00	38.71	56.82	65.67	-8.85	Line	QP
3	0.18	8.05	10.00	17.66	35.71	54.41	-18.70	Line	Average
4	0.18	8.05	10.00	32.91	50.96	64.41	-13.45	Line	QP
5 AV	0.46	8.15	10.00	14.57	32.72	46.62	-13.90	Line	Average
6	0.46	8.15	10.00	21.63	39.78	56.62	-16.84	Line	QP
7	2.09	8.96	10.00	11.83	30.79	46.00	-15.21	Line	Average
8	2.09	8.96	10.00	19.86	38.82	56.00	-17.18	Line	QP

File: E:\Test Data\Chicony Power\DA\DA_00008.EMI

Date: 2020-04-22 Time: 23:23:28



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Neutral

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

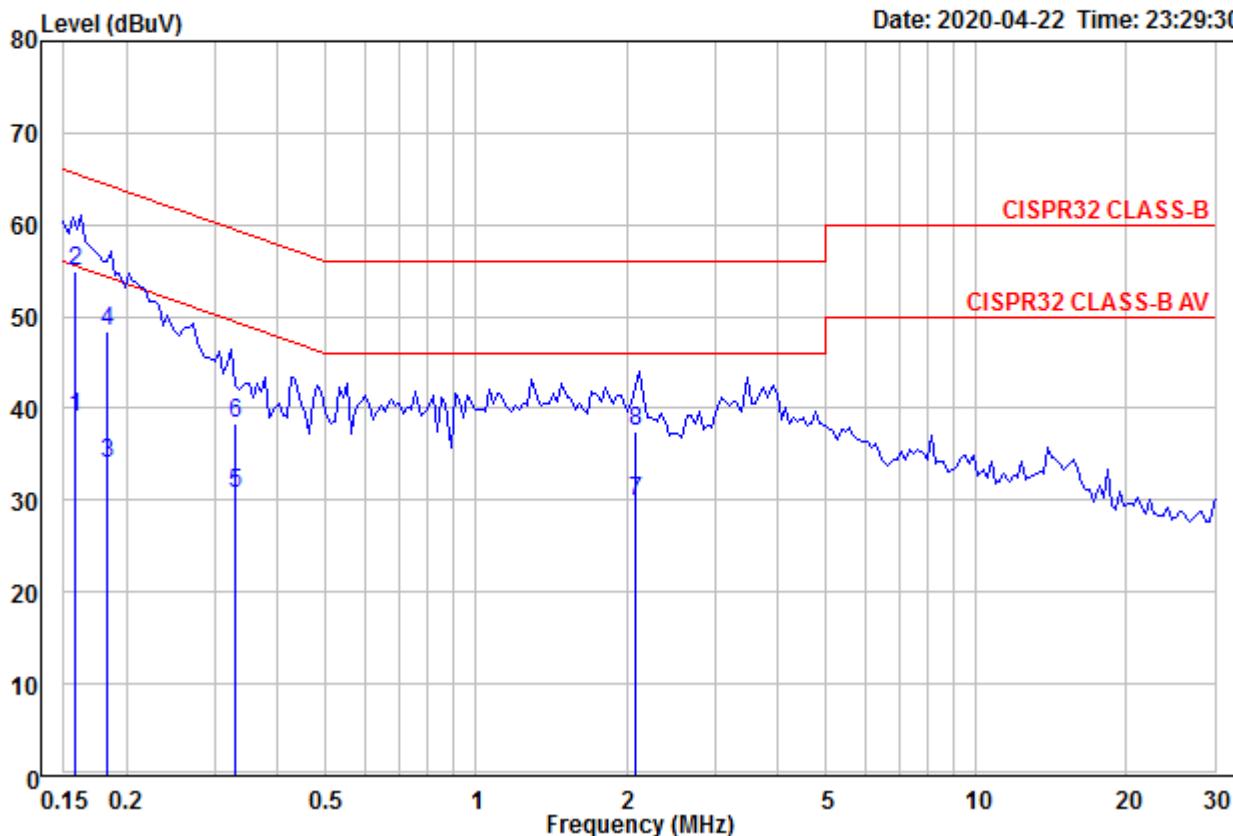
Test Mode: 20V LOAD

MEMO: G71C00LR110K408C013SRCB

	LISN Freq	Cable Factor	Read Loss	Limit Level	Over Line	Over Limit	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.20	7.78	10.00	18.22	36.00	53.41	-17.41	Neutral Average
2 QP	0.20	7.78	10.00	30.17	47.95	63.41	-15.46	Neutral QP
3 PP	0.36	7.73	10.00	17.14	34.87	48.69	-13.82	Neutral Average
4	0.36	7.73	10.00	21.90	39.63	58.69	-19.06	Neutral QP
5	2.13	8.26	10.00	11.78	30.04	46.00	-15.96	Neutral Average
6	2.13	8.26	10.00	20.18	38.44	56.00	-17.56	Neutral QP

File: E:\Test Data\Chicony Power\DA\DA_00009.EMI

Date: 2020-04-22 Time: 23:29:30



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Line

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

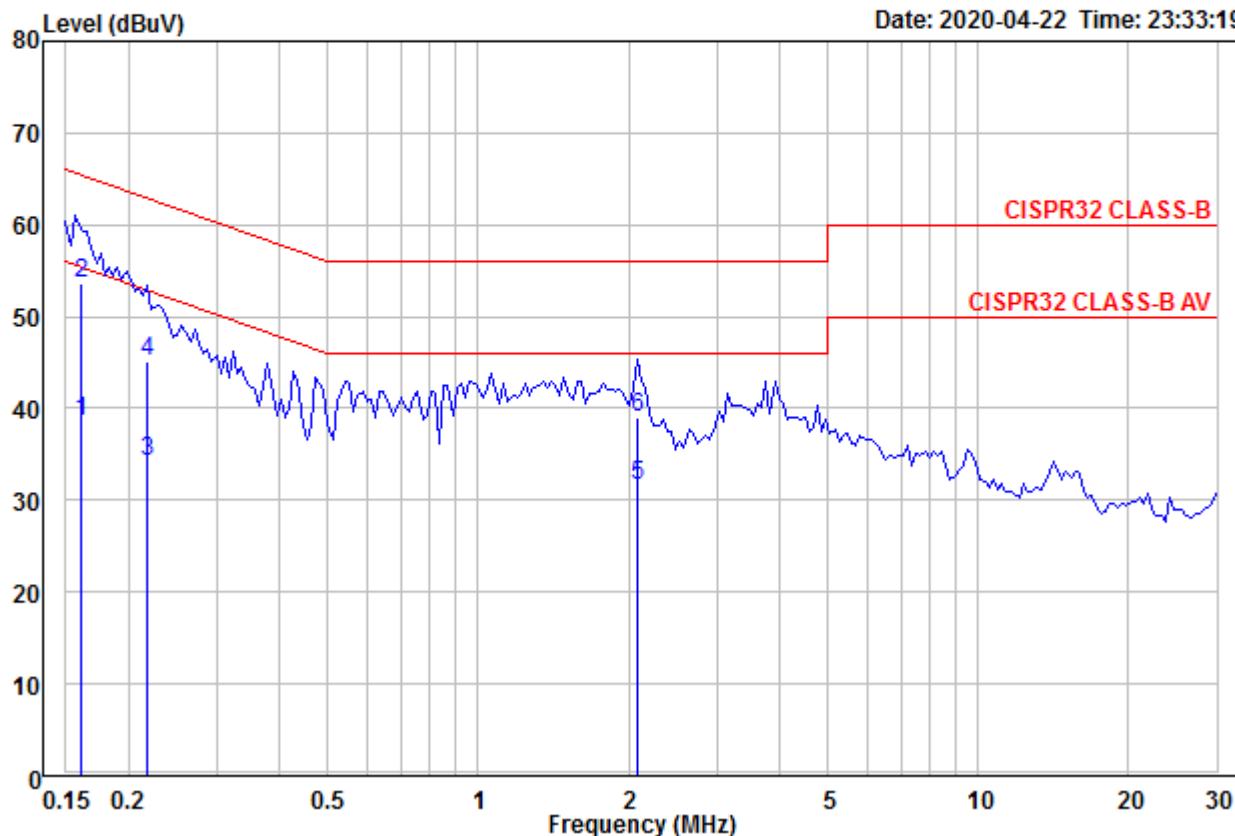
Test Mode: 20V LOAD

MEMO: G71C00LR110JZ02C00LIRCB

	LISN Freq	Cable Factor	Read Loss	Limit Level	Over Line	Over Limit	Pol/Phase	Remark
1	0.16	8.10	10.00	21.00	39.10	55.57	-16.47	Line Average
2 PP	0.16	8.10	10.00	36.74	54.84	65.57	-10.73	Line QP
3	0.18	8.05	10.00	15.90	33.95	54.35	-20.40	Line Average
4	0.18	8.05	10.00	30.36	48.41	64.35	-15.94	Line QP
5	0.33	8.03	10.00	12.63	30.66	49.49	-18.83	Line Average
6	0.33	8.03	10.00	20.38	38.41	59.49	-21.08	Line QP
7 AV	2.08	8.96	10.00	10.89	29.85	46.00	-16.15	Line Average
8	2.08	8.96	10.00	18.44	37.40	56.00	-18.60	Line QP

File: E:\Test Data\Chicony Power\DA\DA_00010.EMI

Date: 2020-04-22 Time: 23:33:19



Site : NO.2 Conducted shielding Enclosure

Condition: CISPR32 CLASS-B ENV216 Neutral

Test Engineer: WR

EUT: ADAPTER

M/N: A065RP23P-DA01

Rev: 01

Power Rating: 230V/50HZ

Test Mode: 20V LOAD

MEMO: G71C00LR110JZ02C00LIRCB

Freq	LISN	Cable	Read	Limit	Over	Pol/Phase	Remark
	MHz	dB	dB	dBuV	dBuV		
1	0.16	8.28	10.00	20.37	38.65	55.44	-16.79 Neutral Average
2 PP	0.16	8.28	10.00	35.29	53.57	65.44	-11.87 Neutral QP
3	0.22	7.66	10.00	16.64	34.30	52.92	-18.62 Neutral Average
4	0.22	7.66	10.00	27.42	45.08	62.92	-17.84 Neutral QP
5 AV	2.09	8.26	10.00	13.26	31.52	46.00	-14.48 Neutral Average
6	2.09	8.26	10.00	20.82	39.08	56.00	-16.92 Neutral QP



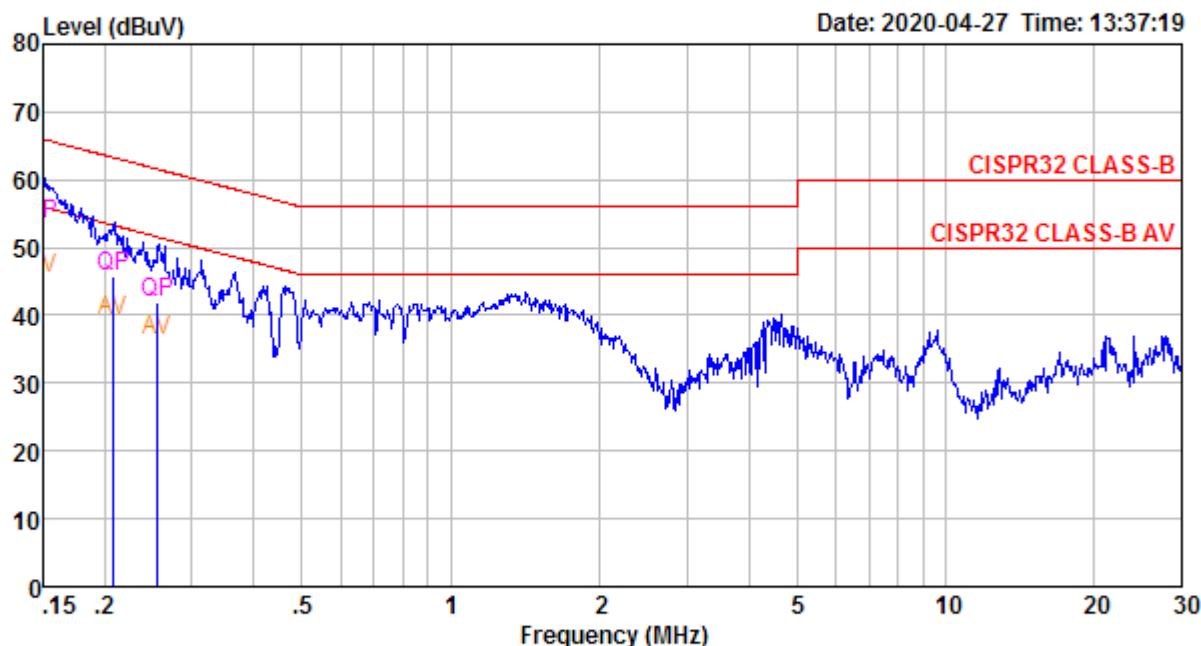
A065RP23P-DA01_PC 2pcs

Form No.SMQA061 2.0 版
保存期限: 5 年

Data: 39

File: D:\EMC\Conduction\201906\20200427.EM6 (42)

Date: 2020-04-27 Time: 13:37:19



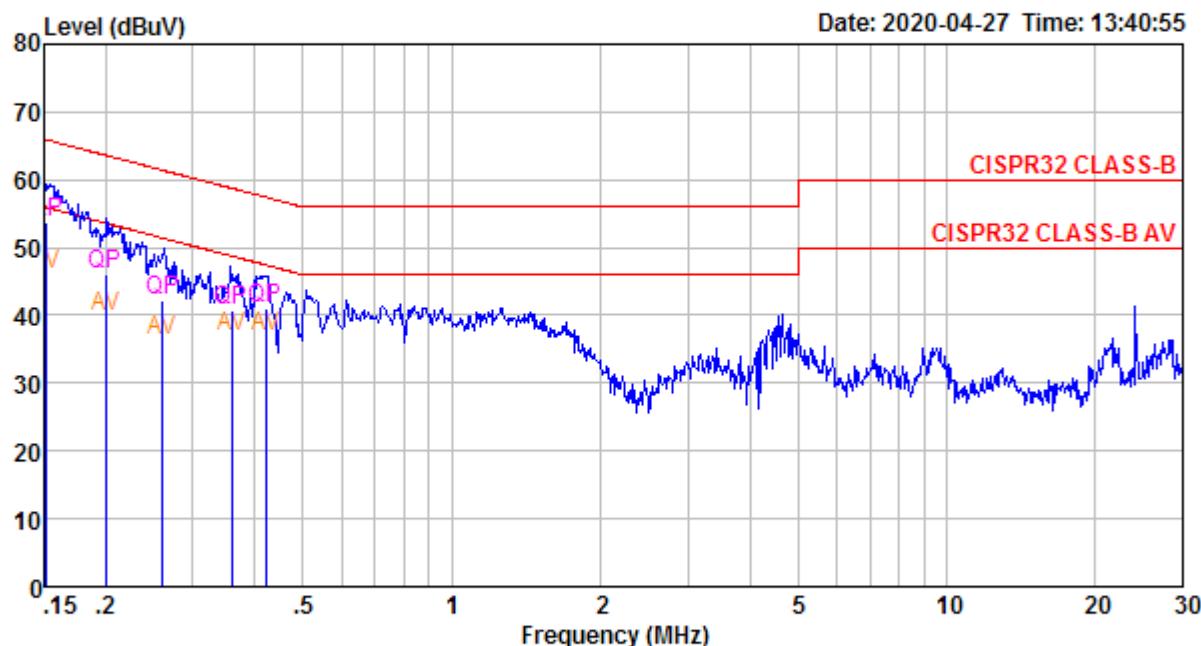
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC LOAD
 Memo : G71C000LR110K408C013SRCB

Freq	RD QP	RD AV	C.F	Result QP	Result AV	Limit QP	Limit AV	Over Limit QP	Over Limit AV
MHz	dBuV	dBuV		dBuV	dBuV	dBuV	dBuV	dB	dB
0.15	34.19	26.44	19.12	53.31	45.56	66.00	56.00	-12.69	-10.44
0.21	25.62	19.26	20.07	45.69	39.33	63.26	53.26	-17.57	-13.93
0.26	21.55	15.81	20.40	41.95	36.21	61.56	51.56	-19.61	-15.35

Data: 40

File: D:\EMC\Conduction\201906\20200427.EM6 (42)

Date: 2020-04-27 Time: 13:40:55



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC LOAD
 Memo : G71C000LR110K408C013SRCB

M/N :A065RP23P-DA01

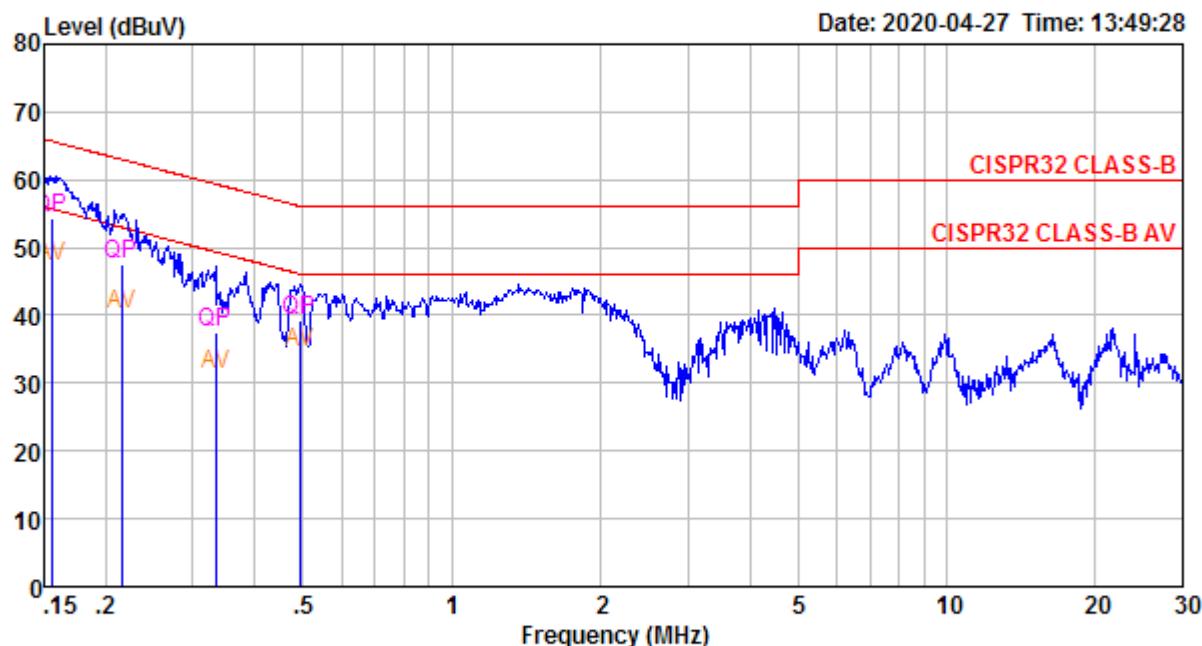
Phase: NEUTRAL

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.15	34.19	26.54	19.59	53.78	46.13	65.92	55.92	-12.14	-9.79
0.20	26.45	20.14	19.67	46.12	39.81	63.64	53.64	-17.52	-13.83
0.26	22.11	16.34	20.02	42.13	36.36	61.40	51.40	-19.27	-15.04
0.36	19.91	16.17	20.82	40.73	36.99	58.74	48.74	-18.01	-11.75
0.42	21.10	17.10	19.89	40.99	36.99	57.45	47.45	-16.46	-10.46

Data: 41

File: D:\EMC\Conduction\201906\20200427.EM6 (42)

Date: 2020-04-27 Time: 13:49:28



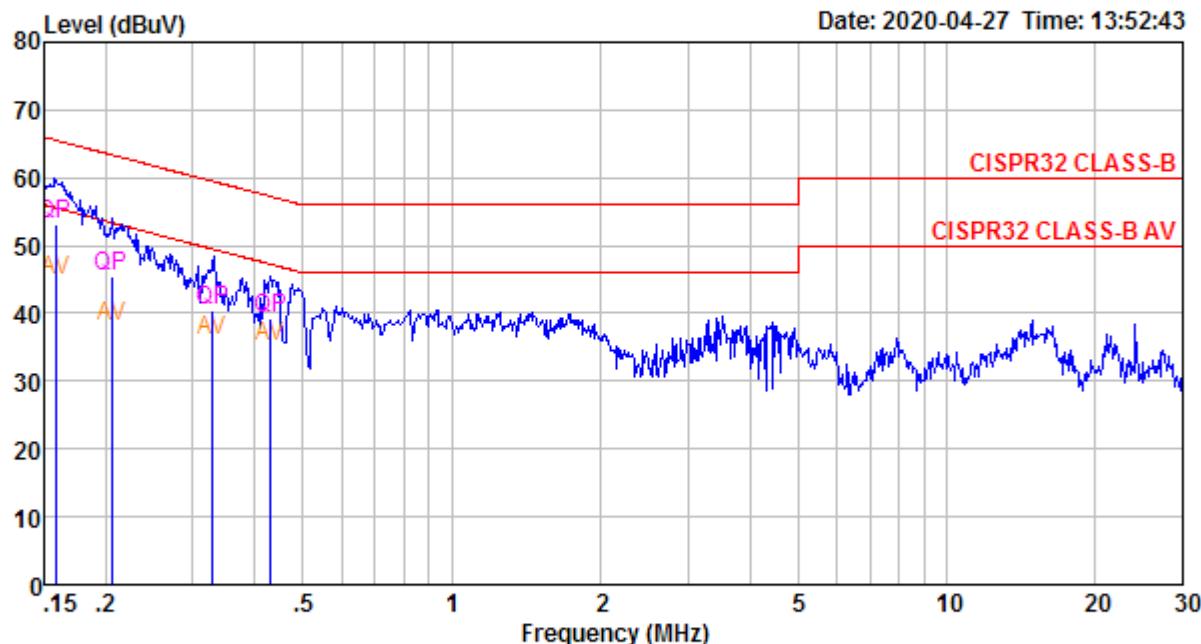
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC LOAD
 Memo : G71C000LR110JZ02C00LIRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	35.07	27.93	19.18	54.25	47.11	65.72	55.72	-11.47	-8.61
0.22	27.36	19.90	20.16	47.52	40.06	63.01	53.01	-15.49	-12.95
0.33	17.56	11.26	19.98	37.54	31.24	59.35	49.35	-21.81	-18.11
0.49	19.85	15.22	19.44	39.29	34.66	56.11	46.11	-16.82	-11.45

Data: 42

File: D:\EMC\Conduction\201906\20200427.EM6 (42)

Date: 2020-04-27 Time: 13:52:43



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC LOAD
 Memo : G71C000LR110JZ02C00LIRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	33.60	25.37	19.54	53.14	44.91	65.55	55.55	-12.41	-10.64
0.21	25.61	18.25	19.71	45.32	37.96	63.39	53.39	-18.07	-15.43
0.33	19.84	15.31	20.59	40.43	35.90	59.49	49.49	-19.06	-13.59
0.43	19.52	15.36	19.78	39.30	35.14	57.23	47.23	-17.93	-12.09



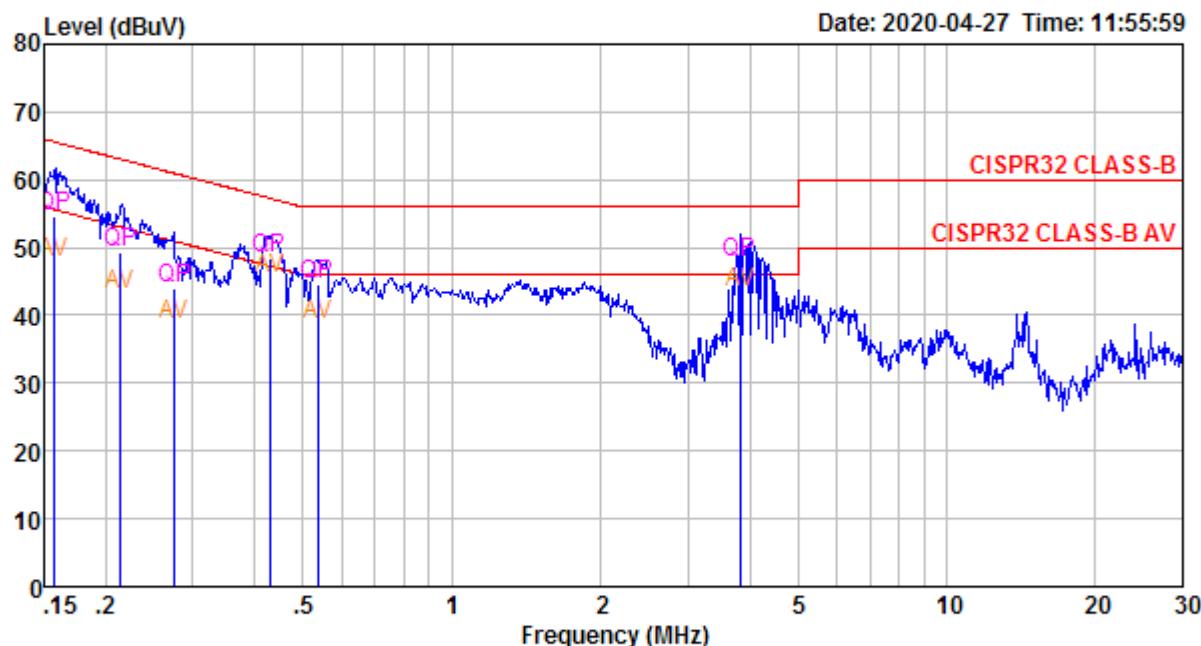
A065RP23P-DA01_PC+Monitor 2pcs

Form No.SMQA061 2.0 版
保存期限: 5 年

Data: 35

File: D:\EMC\Conduction\201906\20200427.EM6 (38)

Date: 2020-04-27 Time: 11:55:59



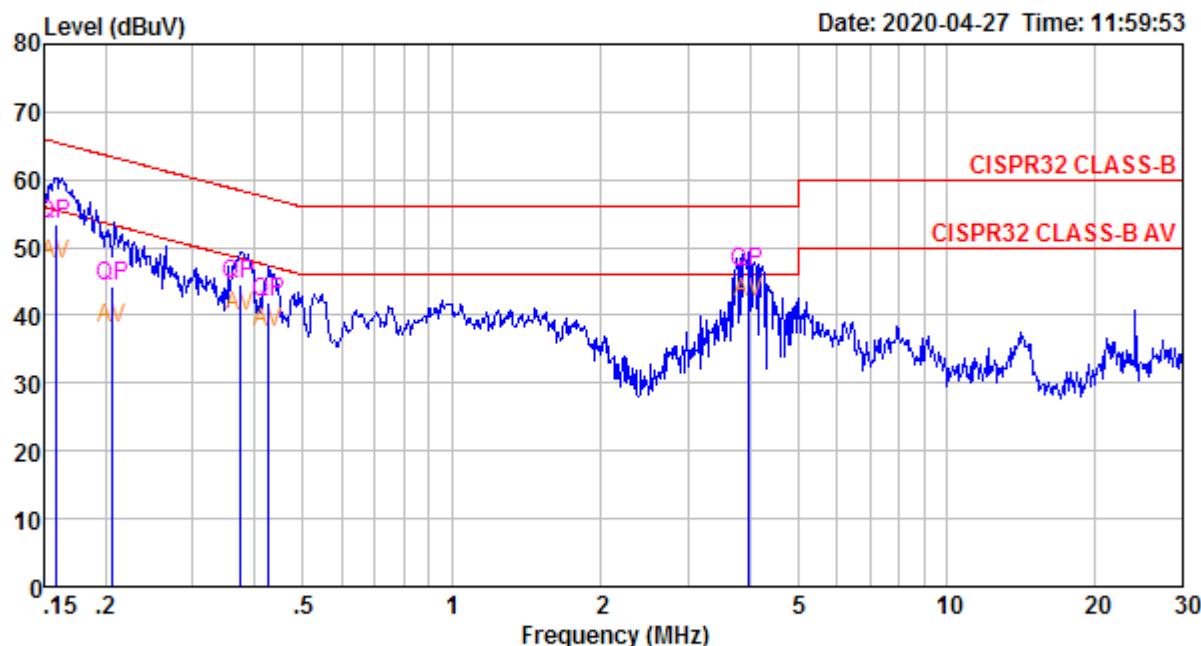
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC+displayer LOAD
 Memo : G71C000LR110JZ02C00LIRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	35.44	28.49	19.20	54.64	47.69	65.61	55.61	-10.97	-7.92
0.21	29.05	22.94	20.16	49.21	43.10	63.04	53.04	-13.83	-9.94
0.28	23.56	18.34	20.29	43.85	38.63	60.96	50.96	-17.11	-12.33
0.43	29.11	26.36	19.22	48.33	45.58	57.27	47.27	-8.94	-1.69
0.54	25.02	19.03	19.57	44.59	38.60	56.00	46.00	-11.41	-7.40
3.82	27.47	23.10	20.33	47.80	43.43	56.00	46.00	-8.20	-2.57

Data: 36

File: D:\EMC\Conduction\201906\20200427.EM6 (38)

Date: 2020-04-27 Time: 11:59:53



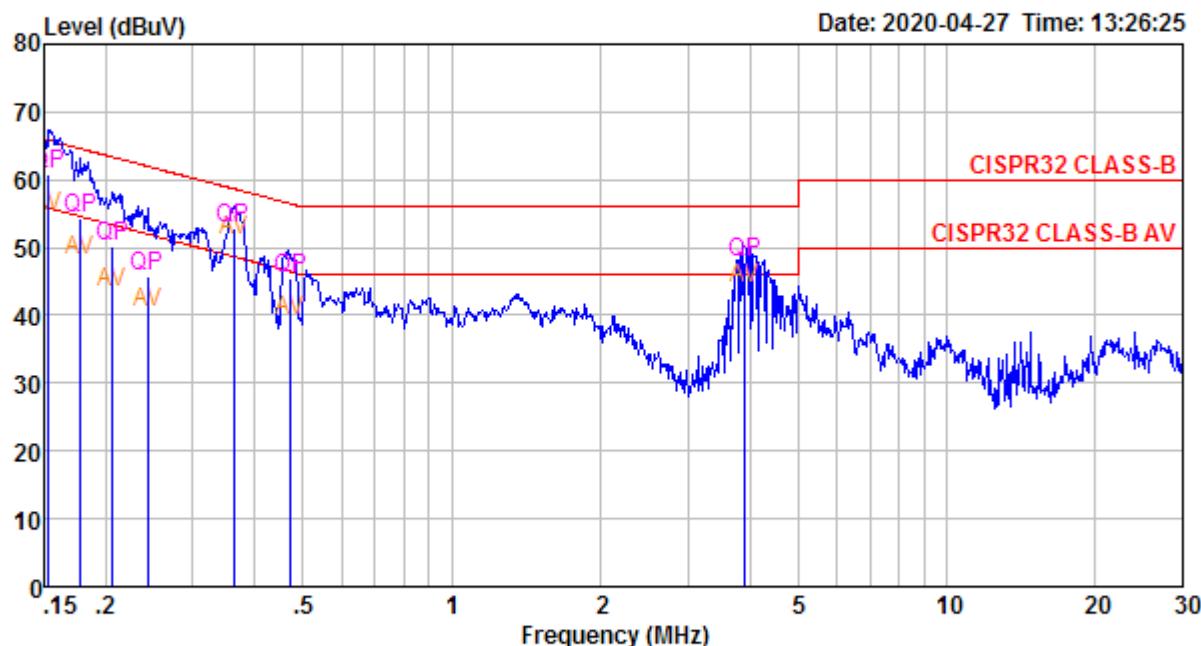
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC+displayer LOAD
 Memo : G71C000LR110JZ02C00LIRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	33.76	28.12	19.54	53.30	47.66	65.57	55.57	-12.27	-7.91
0.21	24.44	18.25	19.71	44.15	37.96	63.35	53.35	-19.20	-15.39
0.37	23.95	19.12	20.73	44.68	39.85	58.46	48.46	-13.78	-8.61
0.43	22.11	17.62	19.82	41.93	37.44	57.32	47.32	-15.39	-9.88
3.97	28.23	23.80	18.09	46.32	41.89	56.00	46.00	-9.68	-4.11

Data: 37

File: D:\EMC\Conduction\201906\20200427.EM6 (38)

Date: 2020-04-27 Time: 13:26:25



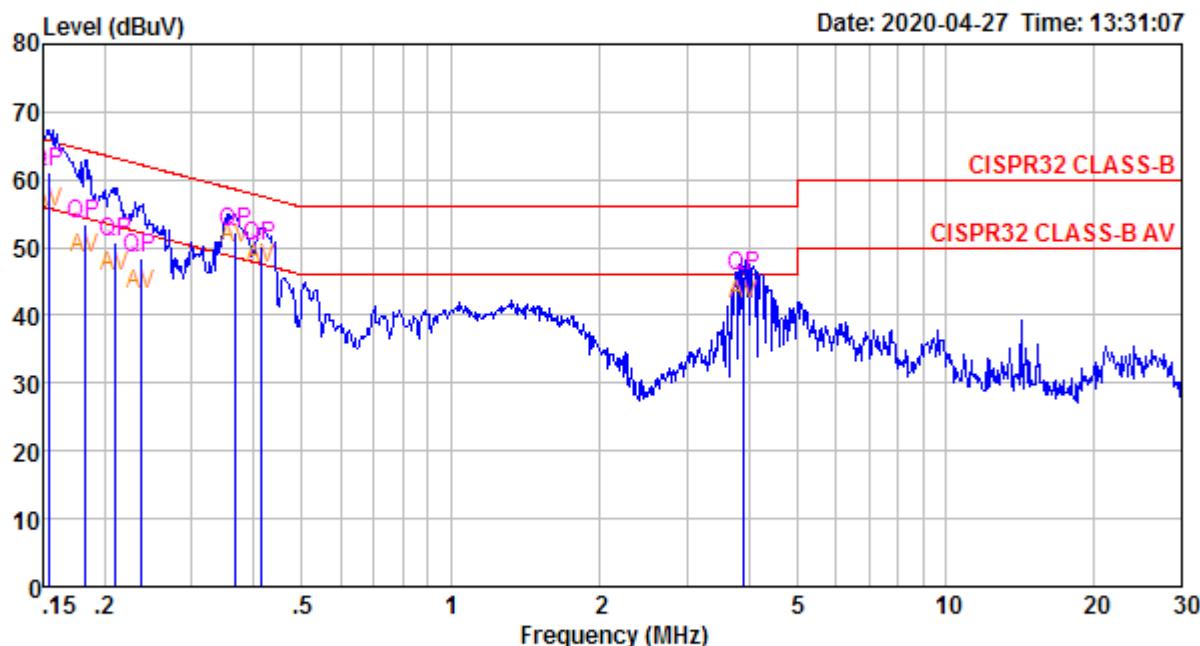
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC+displayer LOAD
 Memo : G71C000LR110K408C013SRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.15	41.61	35.43	19.14	60.75	54.57	65.84	55.84	-5.09	-1.27
0.18	34.84	28.49	19.56	54.40	48.05	64.60	54.60	-10.20	-6.55
0.21	30.00	23.48	20.05	50.05	43.53	63.37	53.37	-13.32	-9.84
0.24	25.23	20.02	20.47	45.70	40.49	62.01	52.01	-16.31	-11.52
0.36	32.89	31.29	19.83	52.72	51.12	58.66	48.66	-5.94	2.46
0.47	26.25	19.90	19.22	45.47	39.12	56.48	46.48	-11.01	-7.36
3.92	27.58	23.60	20.33	47.91	43.93	56.00	46.00	-8.09	-2.07

Data: 38

File: D:\EMC\Conduction\201906\20200427.EM6 (38)

Date: 2020-04-27 Time: 13:31:07



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : PC+displayer LOAD
 Memo : G71C000LR110K408C013SRCB

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.15	41.65	35.67	19.56	61.21	55.23	65.80	55.80	-4.59	-0.57
0.18	33.98	28.71	19.57	53.55	48.28	64.40	54.40	-10.85	-6.12
0.21	31.15	26.12	19.74	50.89	45.86	63.19	53.19	-12.30	-7.33
0.24	28.51	23.24	19.89	48.40	43.13	62.24	52.24	-13.84	-9.11
0.37	31.50	29.11	20.81	52.31	49.92	58.57	48.57	-6.26	1.35
0.41	30.20	26.98	19.97	50.17	46.95	57.59	47.59	-7.42	-0.64
3.92	27.65	23.51	18.11	45.76	41.62	56.00	46.00	-10.24	-4.38



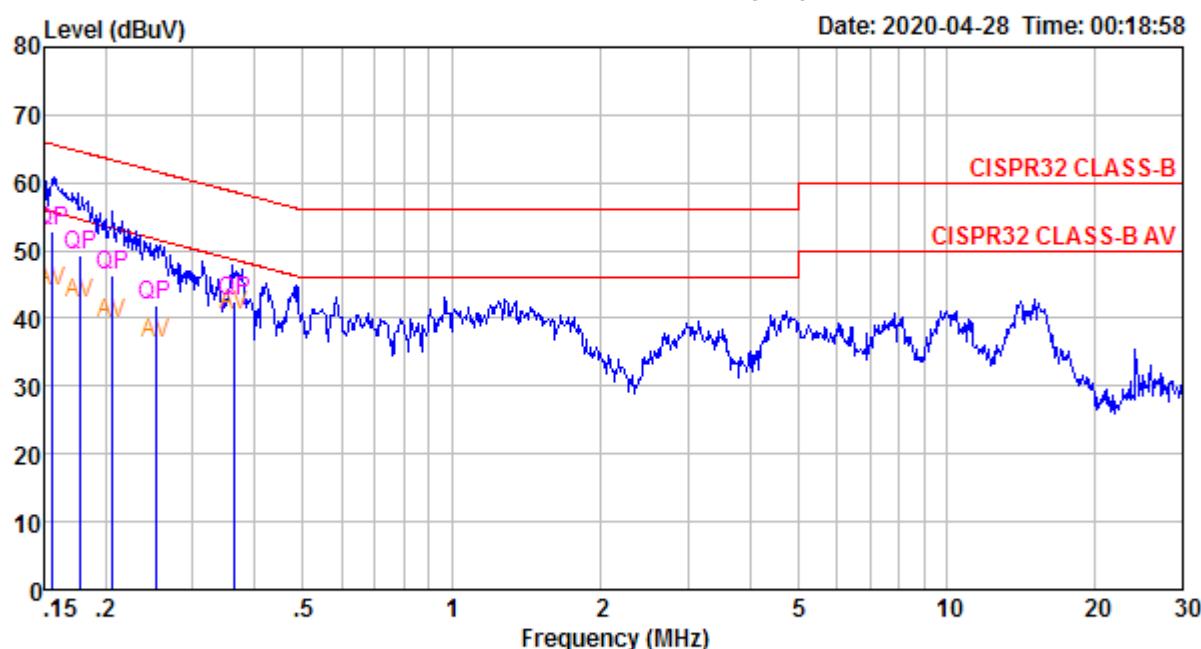
A065RP23(24)P-DA01_Improved Product

Form No.SMQA061 2.0 版
保存期限: 5 年

Data: 105

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 00:18:58



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0201
 GND

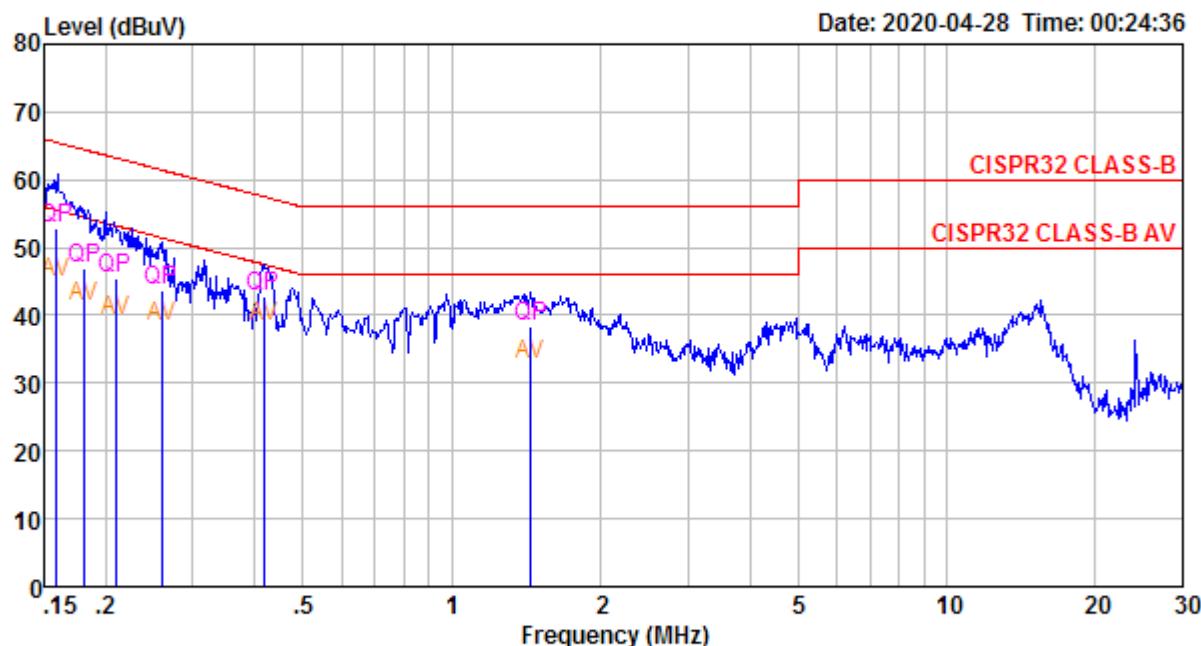
M/N :A065RP23P-DA01
 Phase: LINE

Freq MHz	RD QP dBuV		RD AV dBuV		C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
	RD QP dBuV	RD AV dBuV	RD QP dBuV	RD AV dBuV							
0.16	33.60	24.65	19.19	52.79	43.84	65.66	55.66	-	-12.87	-	-11.82
0.18	29.68	22.66	19.56	49.24	42.22	64.58	54.58	-	-15.34	-	-12.36
0.21	26.27	19.27	20.05	46.32	39.32	63.36	53.36	-	-17.04	-	-14.04
0.25	21.37	15.91	20.41	41.78	36.32	61.69	51.69	-	-19.91	-	-15.37
0.36	22.80	20.47	19.83	42.63	40.30	58.63	48.63	-	-16.00	-	-8.33

Data: 106

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 00:24:36



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0201
 GND

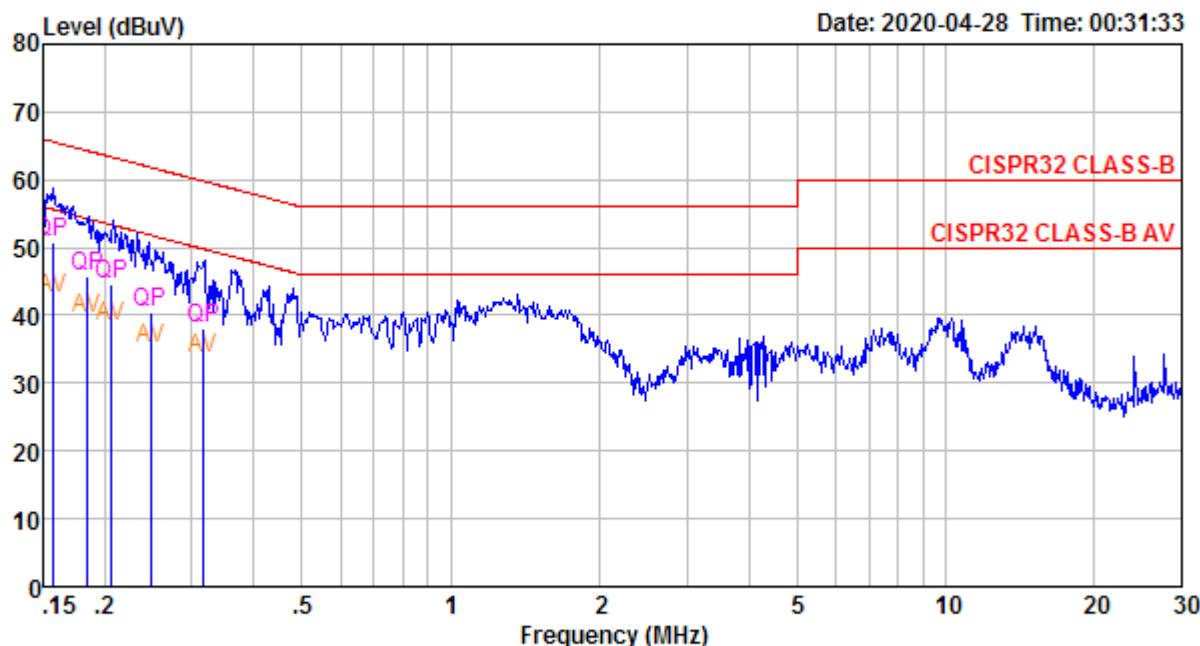
M/N :A065RP23P-DA01
 Phase: NEUTRAL

Freq MHz	RD QP dBuV		RD AV dBuV		C.F dB		Result QP dBuV	Result AV dBuV	Limit QP dBuV		Limit AV dBuV		Over Limit QP dB	Over Limit AV dB
	RD QP dBuV	RD AV dBuV	RD QP dBuV	RD AV dBuV	Limit QP dBuV	Limit AV dBuV			Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB		
0.16	33.23	25.36	19.55	52.78	44.91	65.53	55.53	44.91	65.53	55.53	-12.75	-10.62		
0.18	27.42	21.77	19.57	46.99	41.34	64.43	54.43	41.34	64.43	54.43	-17.44	-13.09		
0.21	25.80	19.66	19.72	45.52	39.38	63.24	53.24	39.38	63.24	53.24	-17.72	-13.86		
0.26	23.75	18.30	20.02	43.77	38.32	61.47	51.47	38.32	61.47	51.47	-17.70	-13.15		
0.42	22.75	18.39	19.93	42.68	38.32	57.50	47.50	38.32	57.50	47.50	-14.82	-9.18		
1.44	19.22	13.48	19.20	38.42	32.68	56.00	46.00	32.68	56.00	46.00	-17.58	-13.32		

Data: 107

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 00:31:33



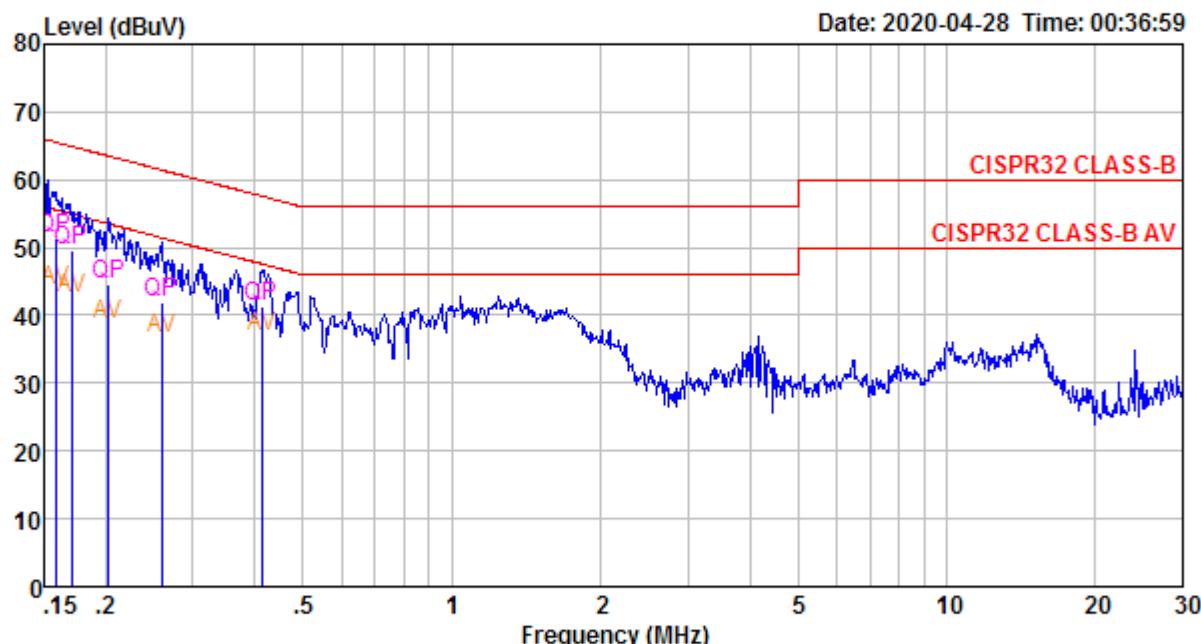
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0201

Freq MHz	RD QP dB _{uV}	RD AV dB _{uV}	C.F	Result QP dB _{uV}	Result AV dB _{uV}	Limit QP dB _{uV}	Limit AV dB _{uV}	Over Limit QP dB	Over Limit AV dB
0.16	31.56	23.27	19.19	50.75	42.46	65.63	55.63	-14.88	-13.17
0.18	26.04	19.88	19.69	45.73	39.57	64.27	54.27	-18.54	-14.70
0.21	24.42	18.40	20.05	44.47	38.45	63.33	53.33	-18.86	-14.88
0.25	19.97	14.74	20.44	40.41	35.18	61.84	51.84	-21.43	-16.66
0.32	18.10	13.48	20.06	38.16	33.54	59.81	49.81	-21.65	-16.27

Data: 108

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 00:36:59



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0201

M/N :A065RP23P-DA01

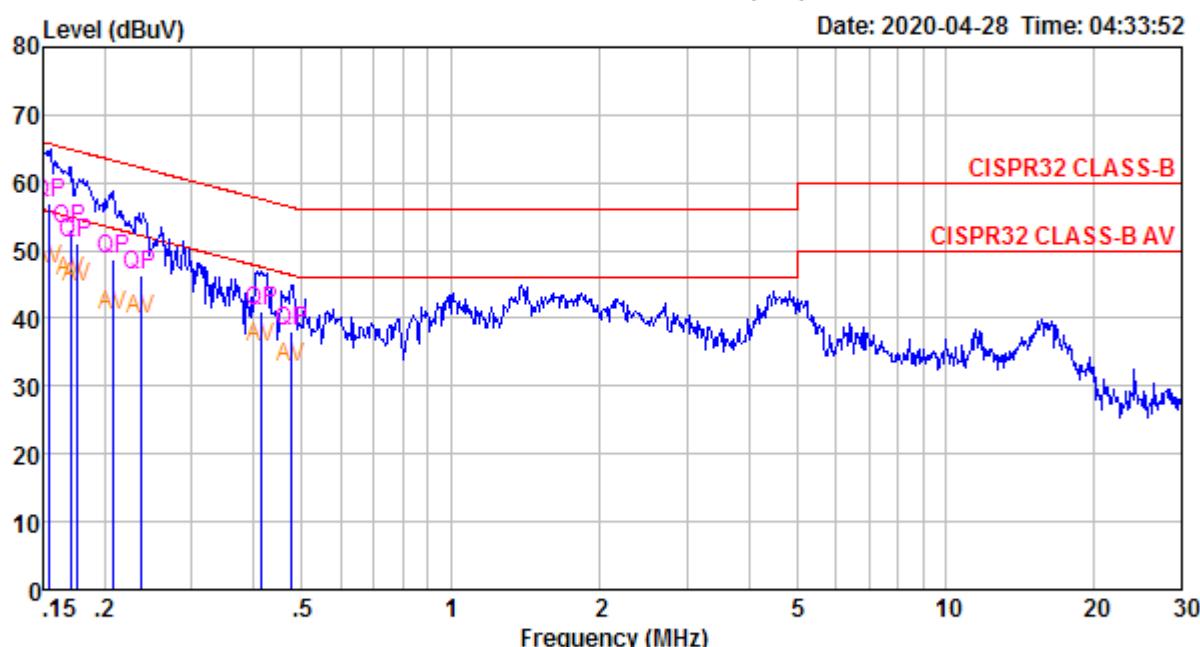
Phase: NEUTRAL

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	31.75	24.01	19.55	51.30	43.56	65.55	55.55	-14.25	-11.99
0.17	30.01	22.93	19.54	49.55	42.47	64.94	54.94	-15.39	-12.47
0.20	24.92	19.02	19.69	44.61	38.71	63.52	53.52	-18.91	-14.81
0.26	21.91	16.48	20.02	41.93	36.50	61.45	51.45	-19.52	-14.95
0.41	21.36	16.82	19.97	41.33	36.79	57.60	47.60	-16.27	-10.81

Data: 109

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 04:33:52



Test Engineer: LP
EUT : ADAPTER
Rev : 01
Power Rating : 230V/50HZ
Test Mode : 20V LOAD
Memo : DBH65WIM0202
GND

M/N :A065RP23P-DA01

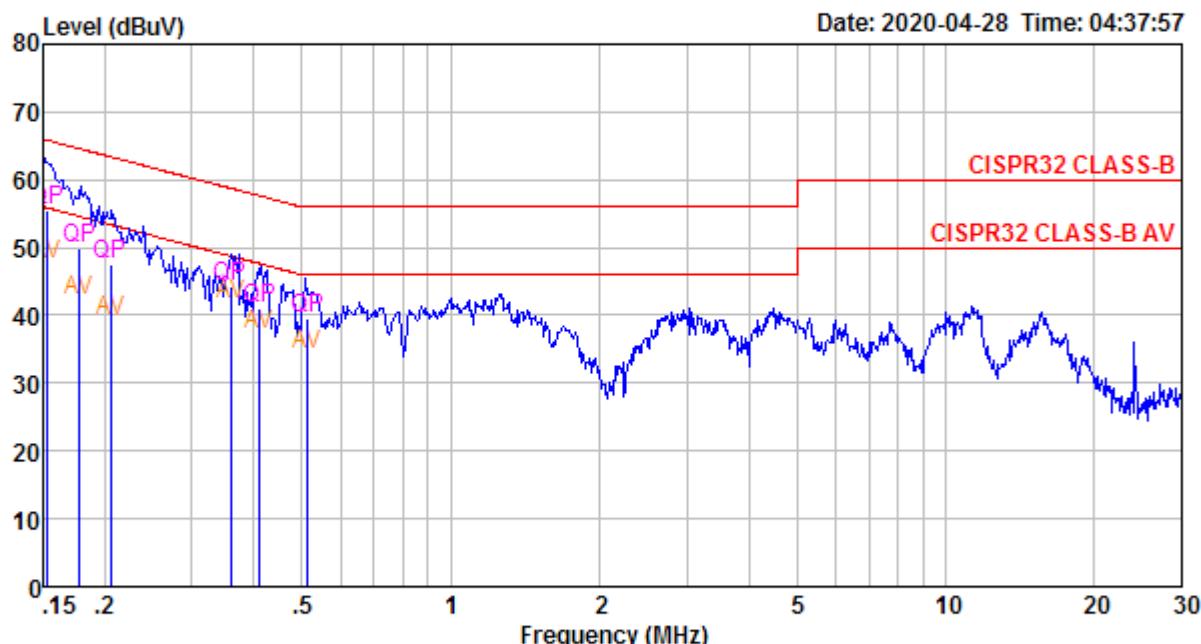
Phase: LINE

Freq MHz	RD QP dBuV		RD AV dBuV		C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
	RD QP dBuV	RD AV dBuV	RD QP dBuV	RD AV dBuV							
0.15	37.91	28.02	19.15	57.06	47.17	65.77	55.77	-8.71	-8.60		
0.17	33.81	26.02	19.43	53.24	45.45	64.93	54.93	-11.69	-9.48		
0.18	31.61	25.02	19.52	51.13	44.54	64.71	54.71	-13.58	-10.17		
0.21	28.51	20.46	20.07	48.58	40.53	63.26	53.26	-14.68	-12.73		
0.24	25.80	19.53	20.42	46.22	39.95	62.23	52.23	-16.01	-12.28		
0.41	21.76	16.27	19.41	41.17	35.68	57.57	47.57	-16.40	-11.89		
0.48	18.78	13.26	19.44	38.22	32.70	56.38	46.38	-18.16	-13.68		

Data: 110

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 04:37:57



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0202
 GND

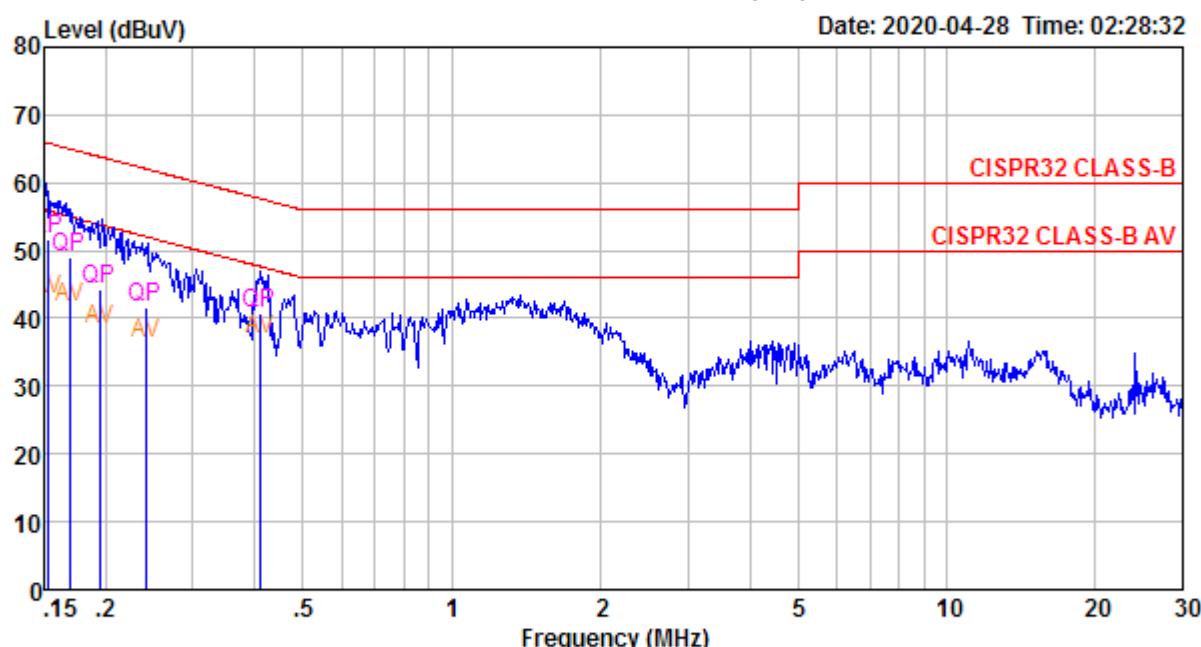
M/N :A065RP23P-DA01
 Phase: NEUTRAL

Freq MHz	RD QP dBuV		RD AV dBuV		C.F		Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
	RD QP dBuV	RD AV dBuV	RD QP dBU	RD AV dBU	C.F							
0.15	35.96	28.03	19.56	55.52	47.59	65.82	55.82	47.59	65.82	55.82	-10.30	-8.23
0.18	30.42	22.66	19.55	49.97	42.21	64.58	54.58	42.21	64.58	54.58	-14.61	-12.37
0.21	27.85	19.65	19.71	47.56	39.36	63.38	53.38	39.36	63.38	53.38	-15.82	-14.02
0.36	23.33	20.68	20.82	44.15	41.50	58.73	48.73	41.50	58.73	48.73	-14.58	-7.23
0.41	20.91	17.10	20.00	40.91	37.10	57.62	47.62	37.10	57.62	47.62	-16.71	-10.52
0.51	20.02	14.76	19.55	39.57	34.31	56.00	46.00	34.31	56.00	46.00	-16.43	-11.69

Data: 111

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 02:28:32



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0202

M/N :A065RP23P-DA01

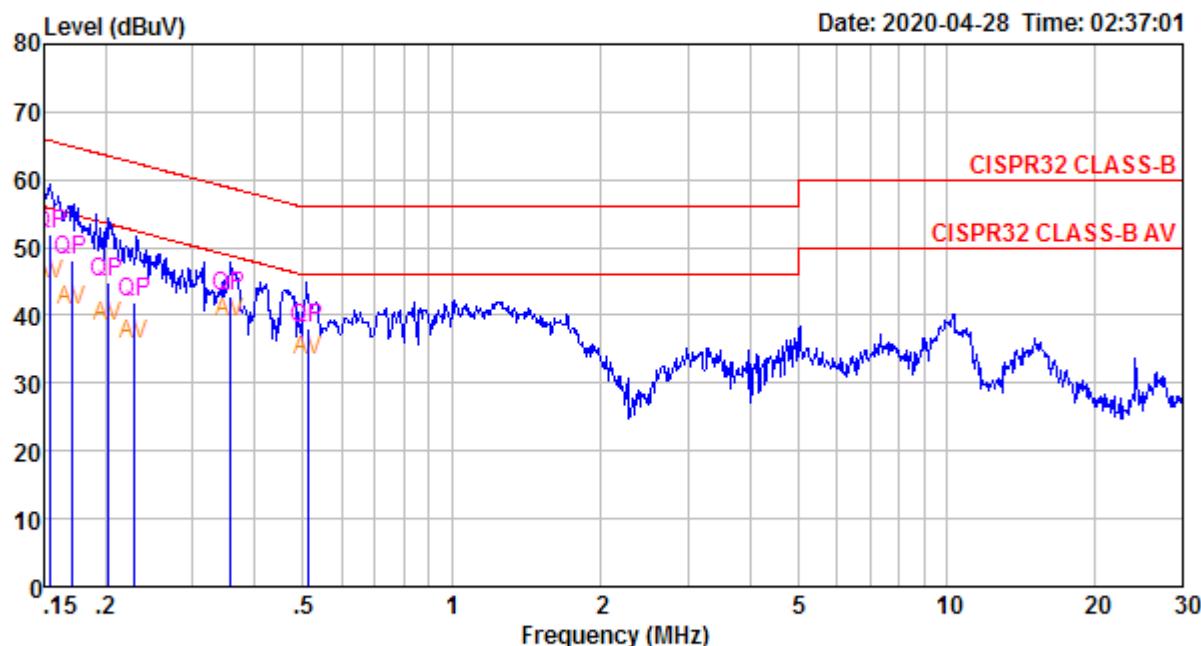
Phase: LINE

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.15	32.65	23.78	19.14	51.79	42.92	65.87	55.87	-14.08	-12.95
0.17	29.68	22.34	19.41	49.09	41.75	65.00	55.00	-15.91	-13.25
0.19	24.49	18.53	19.88	44.37	38.41	63.84	53.84	-19.47	-15.43
0.24	21.23	15.77	20.46	41.69	36.23	62.07	52.07	-20.38	-15.84
0.41	21.22	17.57	19.48	40.70	37.05	57.68	47.68	-16.98	-10.63

Data: 112

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 02:37:01



Test Engineer: LP
EUT : ADAPTER
Rev : 01
Power Rating : 230V/50HZ
Test Mode : 20V LOAD
Memo : DBH65WIM0202

M/N :A065RP23P-DA01

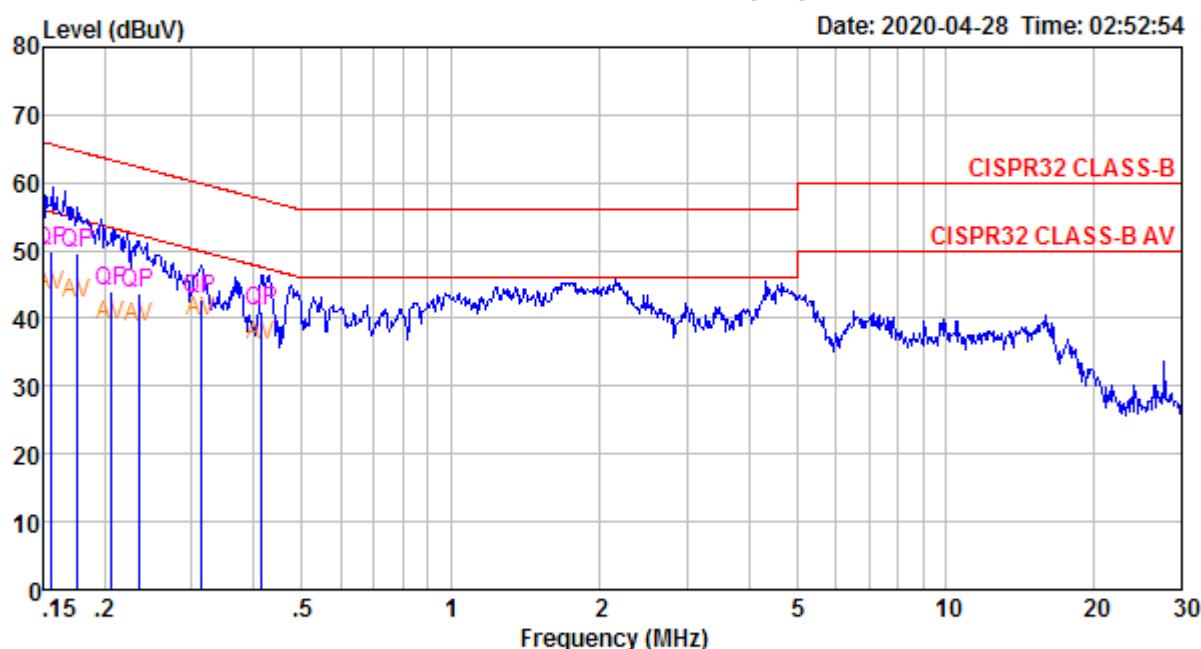
Phase: NEUTRAL

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.15	32.37	24.92	19.56	51.93	44.48	65.75	55.75	-13.82	-11.27
0.17	28.72	21.14	19.54	48.26	40.68	64.92	54.92	-16.66	-14.24
0.20	25.28	18.66	19.67	44.95	38.33	63.56	53.56	-18.61	-15.23
0.23	22.03	16.01	19.85	41.88	35.86	62.51	52.51	-20.63	-16.65
0.36	21.86	18.12	20.84	42.70	38.96	58.82	48.82	-16.12	-9.86
0.51	18.52	13.69	19.55	38.07	33.24	56.00	46.00	-17.93	-12.76

Data: 113

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 02:52:54



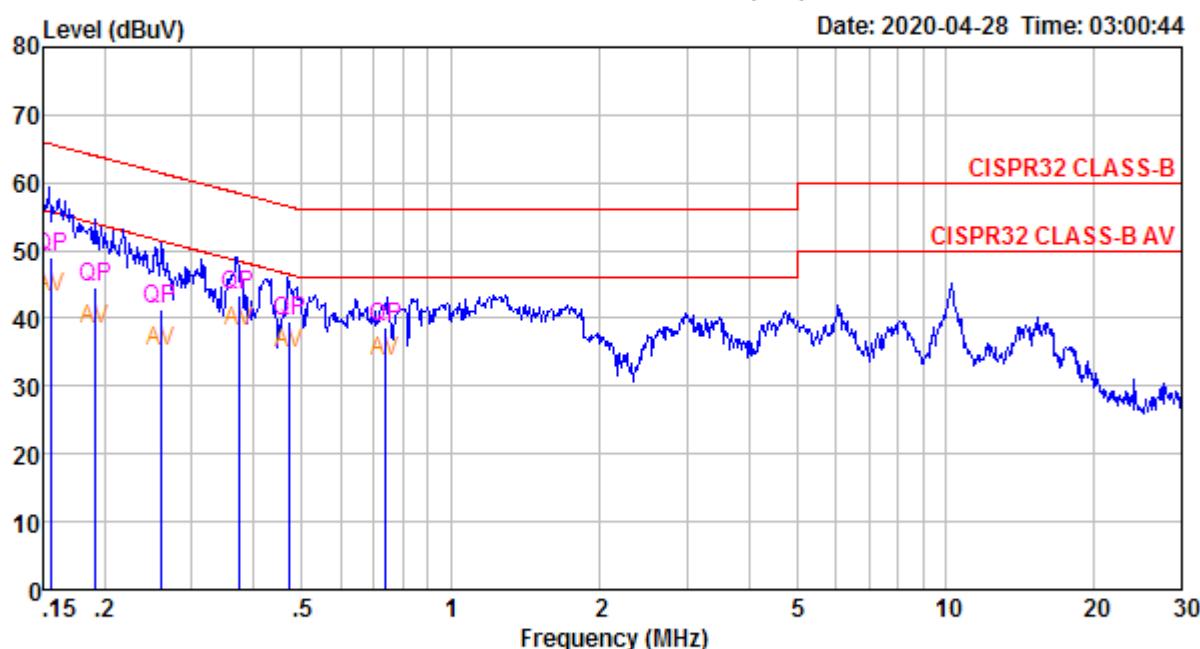
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0302
 GND

Freq MHz	RD QP dB _{uV}	RD AV dB _{uV}	C.F	Result QP dB _{uV}	Result AV dB _{uV}	Limit QP dB _{uV}	Limit AV dB _{uV}	Over Limit QP dB	Over Limit AV dB
0.16	30.56	24.25	19.19	49.75	43.44	65.67	55.67	-15.92	-12.23
0.18	30.14	22.59	19.52	49.66	42.11	64.68	54.68	-15.02	-12.57
0.21	24.03	18.90	20.05	44.08	38.95	63.36	53.36	-19.28	-14.41
0.23	23.42	18.14	20.39	43.81	38.53	62.33	52.33	-18.52	-13.80
0.31	22.64	19.61	20.09	42.73	39.70	59.90	49.90	-17.17	-10.20
0.41	21.76	16.55	19.41	41.17	35.96	57.55	47.55	-16.38	-11.59

Data: 114

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:00:44



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0302
 GND

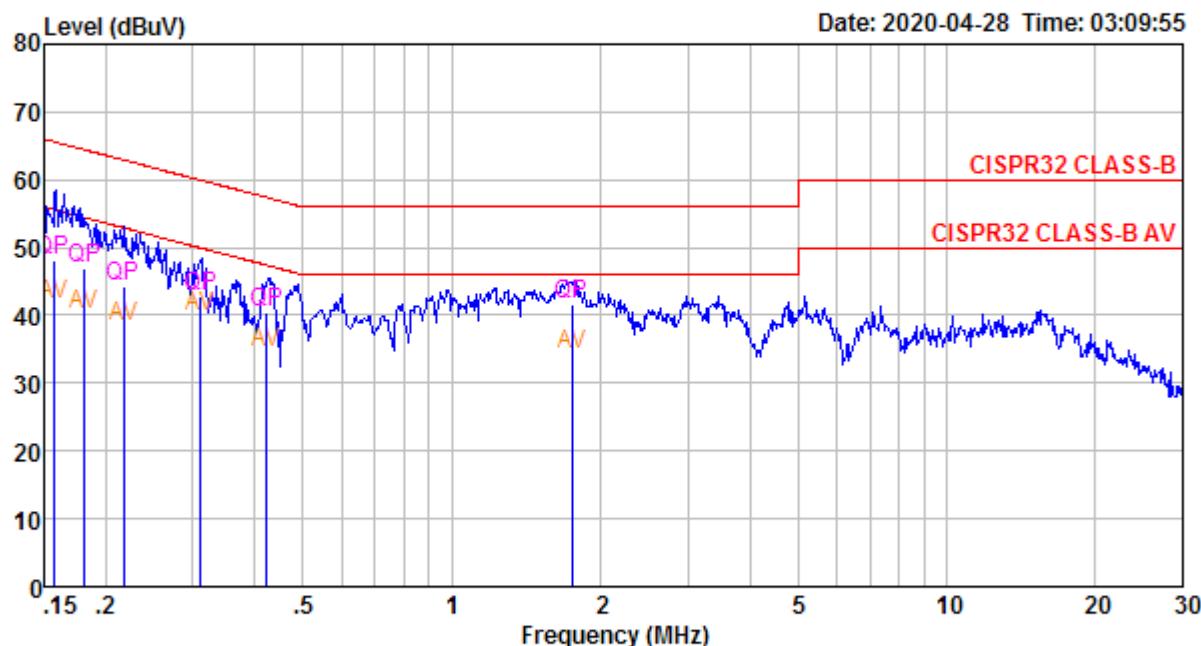
M/N : A065RP24P-DA01
 Phase: NEUTRAL

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	29.55	23.60	19.55	49.10	43.15	65.67	55.67	-16.57	-12.52
0.19	25.03	18.88	19.62	44.65	38.50	63.95	53.95	-19.30	-15.45
0.26	21.27	15.25	20.02	41.29	35.27	61.46	51.46	-20.17	-16.19
0.37	22.60	17.26	20.73	43.33	37.99	58.44	48.44	-15.11	-10.45
0.47	19.87	15.35	19.60	39.47	34.95	56.46	46.46	-16.99	-11.51
0.74	19.25	14.34	19.33	38.58	33.67	56.00	46.00	-17.42	-12.33

Data: 115

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:09:55



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0302

M/N :A065RP24P-DA01

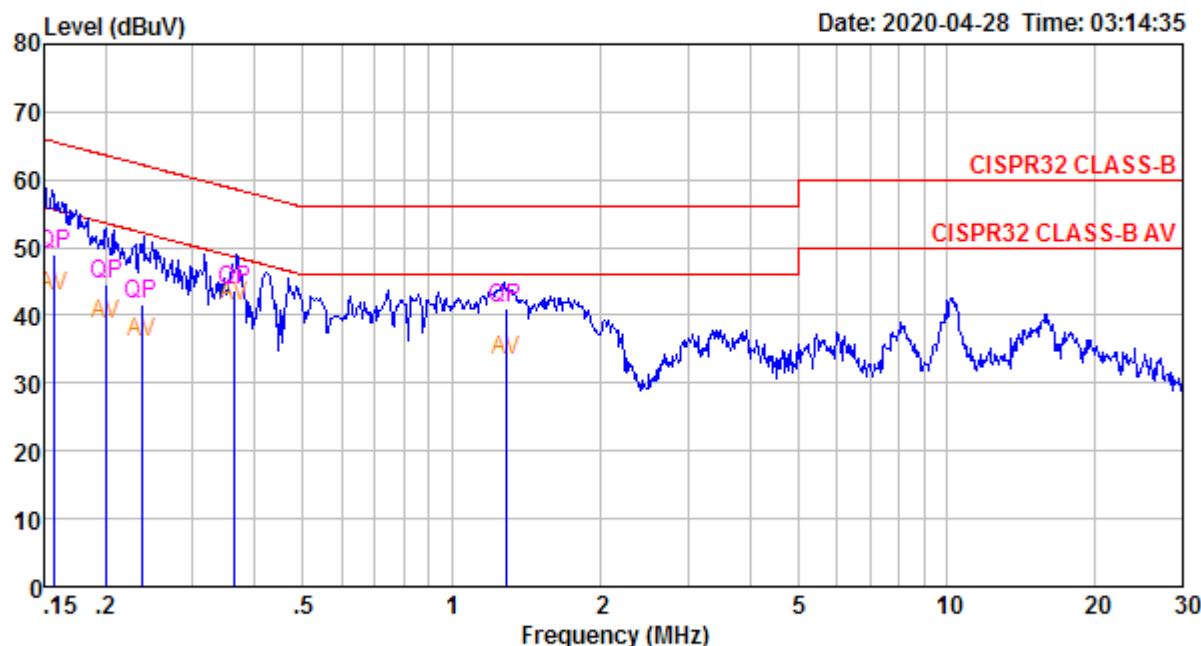
Phase: LINE

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	28.98	22.53	19.19	48.17	41.72	65.62	55.62	-17.45	-13.90
0.18	27.33	20.65	19.62	46.95	40.27	64.42	54.42	-17.47	-14.15
0.22	24.11	18.28	20.20	44.31	38.48	62.91	52.91	-18.60	-14.43
0.31	22.68	19.86	20.09	42.77	39.95	59.93	49.93	-17.16	-9.98
0.42	21.21	15.12	19.31	40.52	34.43	57.41	47.41	-16.89	-12.98
1.75	21.32	13.82	20.36	41.68	34.18	56.00	46.00	-14.32	-11.82

Data: 116

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:14:35



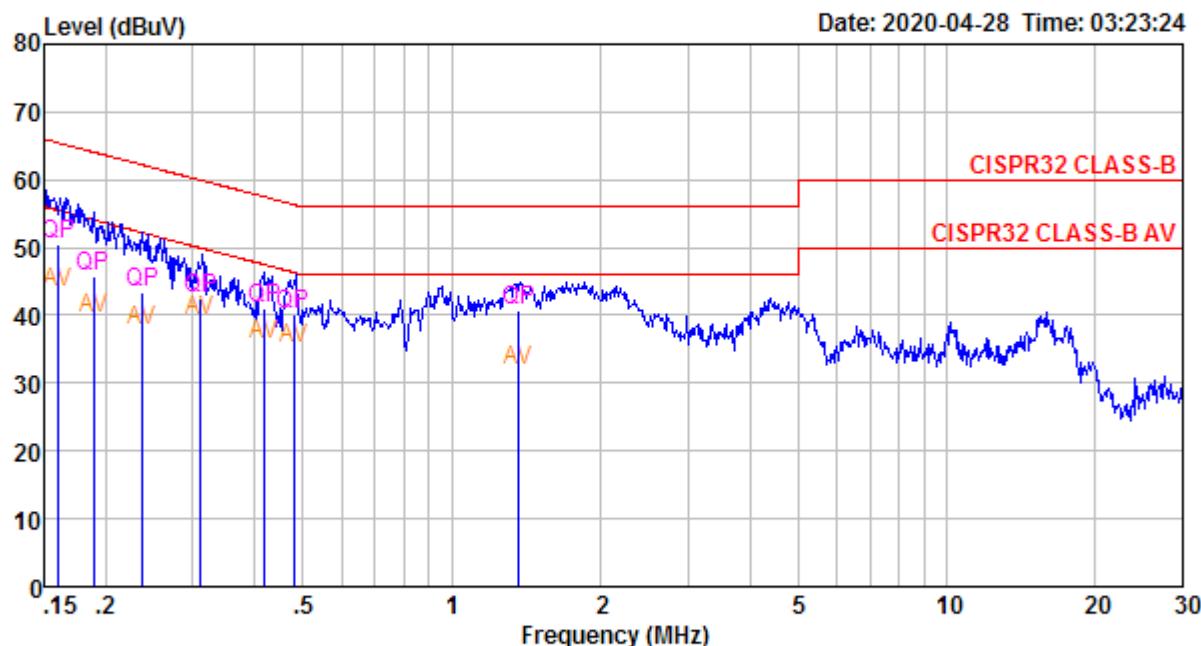
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0302

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	29.43	23.28	19.54	48.97	42.82	65.61	55.61	-16.64	-12.79
0.20	24.99	18.91	19.67	44.66	38.58	63.57	53.57	-18.91	-14.99
0.24	21.74	16.02	19.89	41.63	35.91	62.25	52.25	-20.62	-16.34
0.36	22.96	20.43	20.81	43.77	41.24	58.62	48.62	-14.85	-7.38
1.29	21.76	13.97	19.27	41.03	33.24	56.00	46.00	-14.97	-12.76

Data: 117

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:23:24



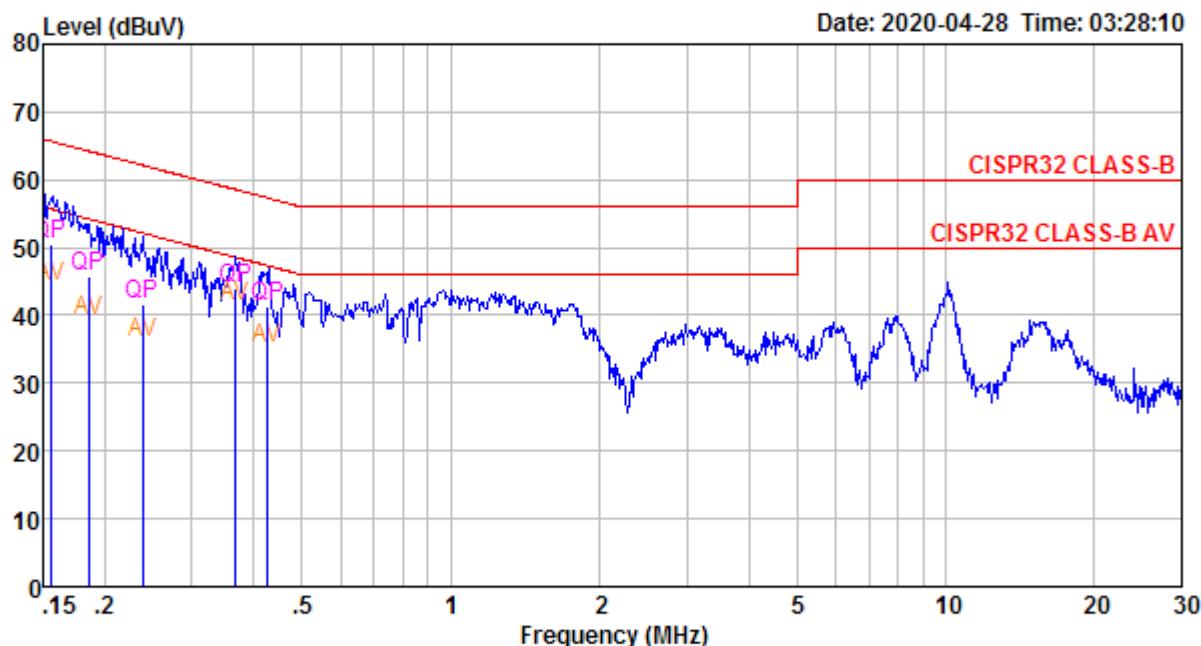
Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0301
 GND

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dB	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	31.36	24.01	19.25	50.61	43.26	65.44	55.44	-14.83	-12.18
0.19	25.85	19.89	19.76	45.61	39.65	64.09	54.09	-18.48	-14.44
0.24	22.83	17.40	20.44	43.27	37.84	62.17	52.17	-18.90	-14.33
0.31	22.51	19.11	20.09	42.60	39.20	59.94	49.94	-17.34	-10.74
0.42	21.68	16.34	19.36	41.04	35.70	57.47	47.47	-16.43	-11.77
0.48	20.57	15.69	19.44	40.01	35.13	56.33	46.33	-16.32	-11.20
1.37	20.60	11.64	20.20	40.80	31.84	56.00	46.00	-15.20	-14.16

Data: 118

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:28:10



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0301
 GND

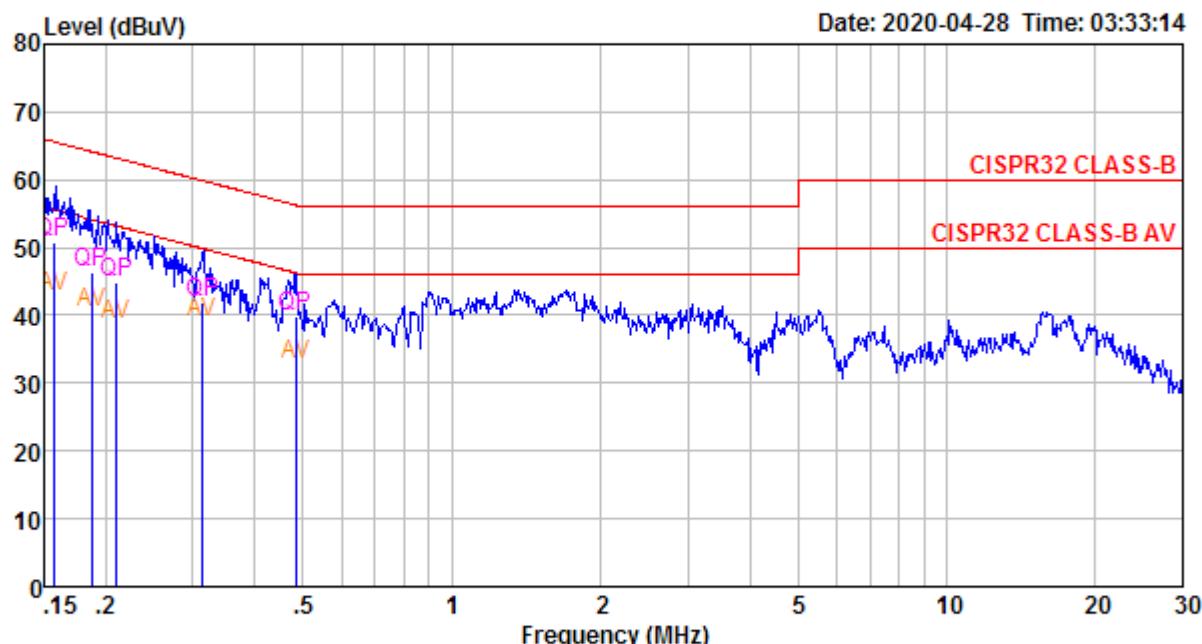
M/N :A065RP24P-DA01
 Phase: NEUTRAL

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	30.84	24.59	19.56	50.40	44.15	65.70	55.70	-15.30	-11.55
0.19	26.28	19.66	19.58	45.86	39.24	64.25	54.25	-18.39	-15.01
0.24	21.67	16.01	19.91	41.58	35.92	62.16	52.16	-20.58	-16.24
0.37	23.27	20.66	20.81	44.08	41.47	58.55	48.55	-14.47	-7.08
0.43	21.48	15.42	19.82	41.30	35.24	57.31	47.31	-16.01	-12.07

Data: 119

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:33:14



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0301

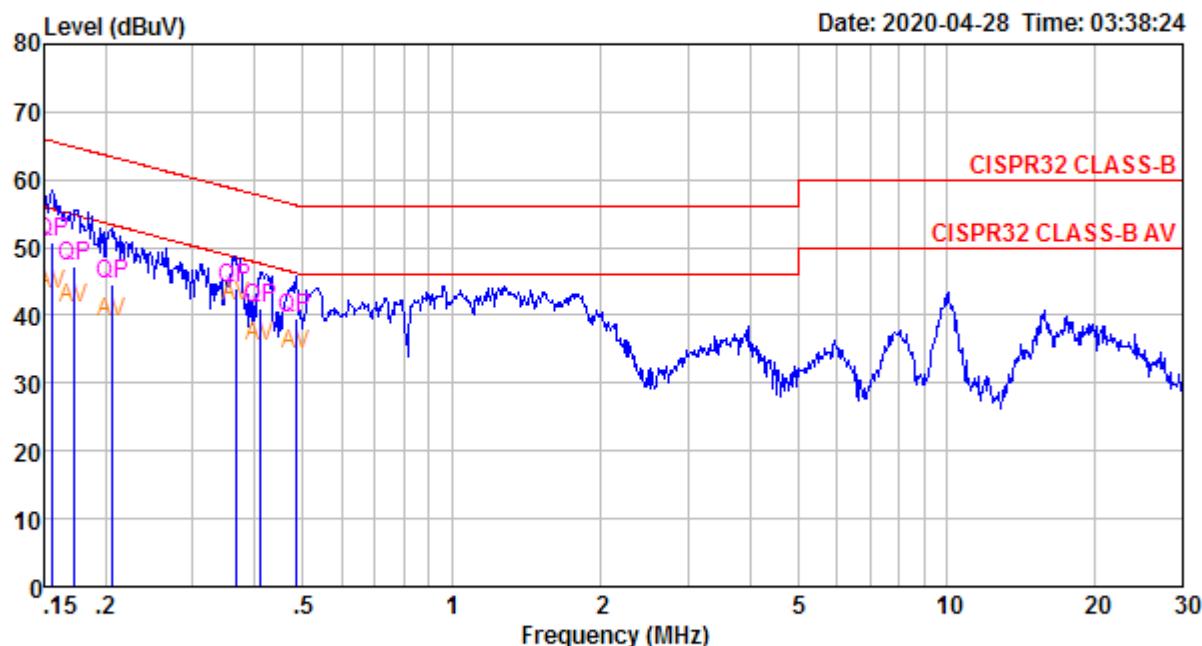
M/N :A065RP24P-DA01
 Phase: LINE

Freq MHz	RD QP dBuV	RD AV dBuV	C.F	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	31.56	23.65	19.19	50.75	42.84	65.64	55.64	-14.89	-12.80
0.19	26.61	20.65	19.73	46.34	40.38	64.18	54.18	-17.84	-13.80
0.21	24.62	18.60	20.12	44.74	38.72	63.18	53.18	-18.44	-14.46
0.31	21.96	18.97	20.07	42.03	39.04	59.89	49.89	-17.86	-10.85
0.48	20.28	13.31	19.55	39.83	32.86	56.26	46.26	-16.43	-13.40

Data: 120

File: D:\EMC\Conduction\201906\20200427.EM6 (120)

Date: 2020-04-28 Time: 03:38:24



Test Engineer: LP
 EUT : ADAPTER
 Rev : 01
 Power Rating : 230V/50HZ
 Test Mode : 20V LOAD
 Memo : DBH65WIM0301

M/N : A065RP24P-DA01
 Phase: NEUTRAL

Freq MHz	RD QP dBuV	RD AV dBuV	C.F dB	Result QP dBuV	Result AV dBuV	Limit QP dBuV	Limit AV dBuV	Over Limit QP dB	Over Limit AV dB
0.16	31.31	23.66	19.55	50.86	43.21	65.68	55.68	-14.82	-12.47
0.17	27.78	21.48	19.55	47.33	41.03	64.81	54.81	-17.48	-13.78
0.21	24.92	19.13	19.71	44.63	38.84	63.34	53.34	-18.71	-14.50
0.37	23.07	20.44	20.81	43.88	41.25	58.60	48.60	-14.72	-7.35
0.41	21.03	15.50	20.00	41.03	35.50	57.65	47.65	-16.62	-12.15
0.48	20.07	14.70	19.54	39.61	34.24	56.27	46.27	-16.66	-12.03