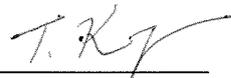


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<b>Auftraggeber:</b> <i>Client:</i>	KYOCERA Document Solutions Inc. 1-2-28 Tamatsukuri, Chuo-ku ,Osaka-shi,Osaka,540-8585 Japan		
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	Facsimile Kit for Multi Function Printer		
<b>Bezeichnung:</b> <i>Identification:</i>	FAX System 12	<b>Serien-Nr.:</b> <i>Serial No.:</i>	Prototype
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	A000290906-001	<b>Eingangsdatum:</b> <i>Date of receipt:</i>	2015-12-04
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
<b>Prüfort:</b> <i>Testing location:</i>	TÜV Rheinland Japan Ltd. 4-25-2, Kita-Yamata, Tuzuki-ku, Yokohama 224-0021, Japan Phone:+81-45-914-0239 Fax:+81-45-914-3347 e-mail: telecom-lab@jpn.tuv.com		
<b>Prüfgrundlage:</b> <i>Test specification:</i>	EG 201 121 V1.1.3 (2000 - 02) Exceptions see below		
<b>Prüfergebnis:</b> <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>		
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	TÜV Rheinland Japan Ltd. 4-25-2, Kita-Yamata, Tuzuki-ku, Yokohama 224-0021, Japan Phone:+81-45-914-0239 Fax:+81-45-914-3347 e-mail: telecom-lab@jpn.tuv.com		
<b>geprüft/ tested by:</b>		<b>kontrolliert/ reviewed by:</b>	
2015-12-25, Y.Miura 		2015-12-25, T.Kuriyama 	
<i>Datum</i> Date	<i>Name/Stellung</i> Name/Position	<i>Unterschrift</i> Signature	<i>Datum</i> Date
			<i>Name/Stellung</i> Name/Position
			<i>Unterschrift</i> Signature
<b>Sonstiges/ Other Aspects:</b>			
DE08/NO02/ES01 are applied without 60mA current limit. AN003, AN004, AN013, AN014, AN015, AN017, DE17, GR02/P10 and P04 are not covered by this test. <b>Accredited Testing Laboratory under the terms of ISO 17025</b> D-PL-12059-01-03			
 <p><b>DAKKS</b> Deutsche Akkreditierungsstelle</p>			
<p>* Legende: 1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft  P(ass) = entspricht o.g. Prüfgrundlage(n)      F(ail) = entspricht nicht o.g. Prüfgrundlage(n)      N/A = nicht anwendbar      N/T = nicht getestet  Legend: 1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor  P(ass) = passed a.m. test specification(s)      F(ail) = failed a.m. test specification(s)      N/A = not applicable      N/T = not tested</p>			
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>			

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## Test result:

No deviations have been found from the technical requirements during the tests.

The deviations from the technical requirements found during the tests are enclosed this report.

Questions about the test report please inform Mr. M. Zietz.

Phone: +81-45-914-0239

Fax: +81-45-914-3347

e-mail: mz@jpn.tuv.com

## Climatic conditions during testing

Temperature: 23 - 25 °C

Air pressure: 1020 - 1020 hPa

Humidity: 50 - 60 %

## Appliance documentation

Hardware: -

Software: -

User manual :FAX System 12 FAX Specification

Circuit diagram:FAX SUB PCB(1/1)

## Test system configuration

Hardware: FAX System 12

Software: 002.002

## Test Sample Configuration

One - Port - TE (only a1/b1)

Two - Port TE (a1/b1 and a2/b2)

DTMF dialling function

Decadic pulse dialling function

### Measurement equipment list

Measuring instrument	Identification	Calibration due date
Automatic Measurement System AMS from ESP-Telekom	TL-9000	2016-08-21
Outband Receiver and Ringer Amplifier ARE1000 from ESP-Telekom	TL-9101	2016-08-21
International Feeding Bridge ISB1000 from ESP-Telekom	TL-9002	2016-08-21
Fluke Digital True RMS Multimeter	TL-9108	2016-10-29
Tektronix Oscilloscope TDS1012B	TL-9008	2016-05-12
Tektronix / Voltage Probe I / II	TL-9036, TL-9037	2016-05-12
TRJ Connector Box	TL-9010	2016-02-12
TRJ Resistor Box	TL-9011	2016-02-12
TRJ Reference Impedance Zref-quer TBR21, Type 28	TL-9020, TL-9021	2016-02-12
TRJ Reference Impedance Zref-längs TBR21, Type 29	TL-9022	2016-02-12
TRJ Reference Impedance 150 Ohm crosswise, Type 50	TL-9033	2016-01-13
ESP Polarity Switch	TL-9042	2016-02-12

## Measurement uncertainties

	Measuring	Measurement Uncertainty	K=2
AN 01	Automatic Dialling	Time : ±0.24 ms	
AN 02	Ringing signal detector sensitivity	AC Voltage : ±0.28 V	
AN 03	Variation of signals supplied by the PSTN	Time : ±0.24 ms	
AN 04	DTMF and CEPT recommendations	Level : ± 1dB	
AN 05	Automatic line clearing	Time : ±58 ms	
AN 06	Resistance to earth	Resistance : ±0.17MΩ	
AN 07	Control requirements in case of power failure	Time : ±8.2µs DC Current (10mA) : ±0.12 mA DC Current (0.5mA) : ±0.006 mA	
AN 09	Instantaneous voltage tested over a wider freq. Range	Level:±0.28V	
AN 10	Sending levels according to TBR 15	30Hz-200Hz:Level:±2.1dB 200Hz-4.3kHz:Level:±1.6dB	
AN 11	Establishment of loop for automatic answer	Time : ±1.2 ms Voltage : ±0.26 V	
AN 12	Transition after change to opposite polarity	Time : ±59 ms Current : ±0.74 mA	
AN 13	Test Methods of TBR21 to voice stimulated TE	Maximum mean sending level	Level : ±1.0 dB
		Maximum instantaneous voltage	Level:±0.28V
		Maximum voltage in 10Hz bandwidth	30Hz-200Hz:Level:±2.1dB 200Hz-4.3kHzLevel:±1.6dB
DE 03/GR 03/N 01	Sending level in quiescent state should be same as in loop state		
DE 04/GR 04/	Receiving signals having a long duration	Time : ±12 ms Voltage (63V) : ±0.36 V Voltage (85V) : ±0.44 V	
DE 05/GR 01/P 08	Seizing the line without making a call		
DE 08	Lower limit voltage in DC characteristics	Voltage:±0.06V Current:±0.82mA	
DE 09	Return loss during DTMF dialing	Return loss : ±0.36 dB	
DE 12	Output signal balance during DTMF	Level: : ±0.28dB	
DE 14	Improvement for transition from loop to quiescent state	Time:±8.2µs Current(10mA):±0.12mA Current(0.5mA): ±0.006mA	
DE 17	Definition of a feeding bridge		
GR 02/P 10			
P 03	Impedance in quiescent state for voice and 12kHz signals	Impedance : ±35 Ω	
P 04	Series DC resistance	DC Current (10mA) : ±0.2 mA Resistance : ±1.0Ω	
P 04	Insertion loss at series connection	Insertion loss : ±0.095 dB	
ES 01/NO 02	DC current and loop resistance	"Voltage:±0.06V Current:±0.82mA"	

## Summary Report: EG 201 121

All Countries									
Requirements				N/A	N/T	fail	OK	Appendix A	
<b>ATAAB AN 002, ATAAB AN 003</b> <b>Ringing signal detector sensitivity:</b> Ringing Voltage: 24Vrms - 90Vrms Ringing Frequency: 20 Hz - 62.5Hz Feeding Voltage: 48 VDC - 66VDC Ringing Cadence: 0.8s / 6s, 1.2s/4s				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3-4	
<b>Dial tone detection</b>				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
Frequency	Level	Timing	Start dialling after						
300 Hz	- 35 dBm / 0 dBm	Continue	s / s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
425 Hz	- 35 dBm / 0 dBm	Continue	s / s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
550 Hz	- 35 dBm / 0 dBm	Continue	s / s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
570 Hz	- 35 dBm / 0 dBm	Continue	s / s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
600 Hz	- 35 dBm / 0 dBm	Continue	s / s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
630 Hz	- 35 dBm / 0 dBm	Continue	s / s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
425 Hz	- 35 dBm	1000/ 100 ms	s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
425 Hz	- 5 dBm	320 / 20 ms	s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>ATAAB AN 004</b> <b>DTMF signalling:</b> Unwanted frequencies in the range 250Hz to 4300Hz in the presence of dial tone: > 20 dB  Measurement Result: > dB				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	

ATAAB AN 013									
Voice stimulated TE									
Requirements				N/A	N/T	fail	OK	Appendix A	
Mean sending level				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
Instantaneous voltage				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
Voltage level in a 10Hz bandwidth				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
Sending level above 4.3 kHz during communication				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
Output signal balance				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
Longitudinal conversion loss				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	

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Requirements	N/A	N/T	fail	OK	Appendix A
<p><b>ATAAB AN 014</b></p> <p><b>Reduction of the range of line currents:</b></p> <p>The resistor of 3200 Ohm shall be replaced by a resistor of 2800 Ohm. If declared by manufacturer for use only on lines providing a loop current of 18 mA or greater, the resistor of 2800 Ohm shall be replaced by a resistor of 2300 Ohm.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
<p><b>ATAAB AN 015</b></p> <p><b>Alternative connection methods:</b></p> <p>Connection method of multi-line TE, please insert if other than socket: Type of connection</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
<p><b>ATAAB AN 016</b></p> <p><b>Test for compliance of resistance to earth (On-Hook):</b></p> <p>Resistance to earth with removed feeding bridge and test equipment directly connected to the TE under test.</p> <p><input checked="" type="checkbox"/> as tested by TBR 21, refer to report 50035644 001.</p> <p><input type="checkbox"/> with relaxation of this Advisory Note.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
<p><b>ATAAB AN 016</b></p> <p><b>Test for compliance of resistance to earth (Off-Hook):</b></p> <p>Resistance to earth with removed feeding bridge and test equipment directly connected to the TE under test.</p> <p><input checked="" type="checkbox"/> as tested by TBR 21, refer to report 50035644 001.</p> <p><input type="checkbox"/> with relaxation of this Advisory Note.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
<p><b>ATAAB AN 017</b></p> <p><b>Test impedance for compliance above 4.3 kHz:</b></p> <p>Applies to TBR 15, TBR 17.</p> <p>Replaced resistor of 120 Ohm with Zr from TBR 21, which means a resistance of 270 Ohms in series with a parallel combination of 750 Ohms and 150 nF.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-

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<b>Germany</b>					
<b>ATAAB Advisory Notes</b>					
<b>Requirements</b>	<b>N/A</b>	<b>N/T</b>	<b>fail</b>	<b>OK</b>	<b>Appendix A</b>
<b>ATAAB AN 005</b> <b>Automatic clearing of automatically originated or answered PSTN calls:</b> Limit: $t < 180s$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6
<b>ATAAB AN 006</b> <b>Resistance to earth:</b> Limit: $U = 150 V DC \Rightarrow R > 100 k\Omega$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7
<b>ATAAB AN 007</b> <b>Liberation of Loop condition by the TE in the event of power failure:</b> Limit: In quiescent state within: $t < 30 s$  Measurement Result: $t < 1.48 s$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8-9
<b>ATAAB AN 009</b> <b>Instantaneous Voltage in a frequency range from 5 Hz to 4300 Hz:</b> Limit: $U_{pp} < 5.0 V$  Measurement Result: $U_{pp} < 1.33 V$  Refer also to test report 50035644 001.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10-16
<b>ATAAB AN 010</b> <b>Sending level in 10 Hz bandwidth:</b> Limit: according TBR15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17-25

German Advisory Notes					
Requirements	N/A	N/T	fail	OK	Appendix A
<b>DE03</b> <b>Control of sending level in quiescent state:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	32-34
<b>DE04</b> <b>Inter-working after receiving ringing signal having a long duration:</b> $U_{TE\text{ eff}} = 75\text{ V}\sim, 25\text{ Hz}, t = 6.5\text{ s}$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	35
<b>DE05</b> <b>Restriction on seizing the line without the intent of making a call:</b> Measurement Result: Automatically seizing the line only with the intention to make a call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
<b>DE08</b> <b>DC Characteristics:</b> Lower limit of voltage in DC Characteristics, see figure: 'DE 08.1'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	36-37
<b>DE09</b> <b>Impedance during DTMF signalling:</b> Limit for the frequency range from 600 Hz to 1700 Hz: > 14 dB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	38-41
<b>DE12</b> <b>Output signal balance:</b> Limits see figure: 'DE 12.1'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	42-45
<b>DE14</b> <b>Transition from loop to quiescent:</b> Limits: Decrease of the current to 0.05 mA within 1s Measurement Result: $t = 0.0\text{ ms}$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	46
<b>DE17</b> <b>Definition of the feeding bridge:</b> Measurement Result: The feeding bridge fulfills all requirements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-

<b>Greece</b>					
<b>ATAAB Advisory Notes</b>					
<b>Requirements</b>	<b>N/A</b>	<b>N/T</b>	<b>fail OK</b>	<b>Appendix A</b>	
<b>ATAAB AN 005</b> <b>Automatic clearing of automatically originated or answered PSTN calls:</b> Limit: $t < 360s$ , for different clearing conditions, see table: 'AN 05.1'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5
<b>ATAAB AN 006</b> <b>Resistance to earth:</b> Limit: $U = 150 V DC \Rightarrow R > 100 k\Omega$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7

<b>Greece Advisory Notes</b>					
<b>Requirements</b>	<b>N/A</b>	<b>N/T</b>	<b>fail OK</b>	<b>Appendix A</b>	
<b>GR01</b> <b>Restriction on seizing the line without the intent of making a call:</b> Measurement Result: Automatically seizing the line only with the intention to make a call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

GR02 Loop disconnect signalling		
Requirements according ETS 300 001	N/A N/T fail OK	Appendix A
<p><b>Dialling pulse timing:</b>            Limit: Make time (<math>t_e - t_i</math>) = 38.5ms ± 3ms (<math>I_h = 12</math> mA, <math>I_g = 18</math> mA)            Break time (<math>t_h - t_g</math>) = 61.5ms ± 3ms (<math>I_e = 18</math> mA, <math>I_i = 12</math> mA)            Frequency = 10 Hz ± 1 Hz</p> <p>Measurement Result:            Make time: <math>t_{M \min} =</math> ms; <math>t_{M \max} =</math> ms            Brake time: <math>t_{B \min} =</math> ms; <math>t_{B \max} =</math> ms            Frequency: <math>f_{\min} =</math> Hz; <math>f_{\max} =</math> ms</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<p><b>Break and make pulse period current and loop resistance:</b>            Limit: Brake time (<math>t_e - t_i</math>) - 6 ms; <math>I_B &lt; 0.5</math> mA            Make time (<math>t_h - t_g</math>) - 4 ms <math>I_M &gt; 20, 35, 55</math> mA</p> <p>Measurement Result:  <math>t (I_B &lt; 0.5</math> mA) = ms; <math>t_{M \max} =</math> ms            Brake time: <math>t_{B \min} =</math> ms; <math>t_{B \max} =</math> ms            Frequency: <math>f_{\min} =</math> Hz; <math>f_{\max} =</math> ms</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<p><b>Inter-digital pause:</b>            Limit: Automatic dialling: <math>t_h - t_g = 720</math>ms - 1000ms            Manual dialling : <math>t_h - t_g &gt; 400</math>ms            Current <math>t(I &gt; 20, 35, 55</math>mA) <math>&gt; t_h - t_g - 80</math>ms</p> <p>Measurement Result:            Automatic dialling: <math>t_h - t_g =</math> ms            Manual dialling : <math>t_h - t_g =</math> ms            Current <math>t(I &gt; 20, 35, 55</math>mA) = ms</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<p><b>Post pulsing period:</b>            Limit: <math>t(I &gt; 20, 35, 55</math>mA) <math>&lt; 100</math> ms</p> <p>Measurement Result:  <math>t(I &gt; 20, 35, 55</math>mA) = ms</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<p><b>Spark quenching:</b>            Limit: <math>R = 100\Omega - 200\Omega</math>  <math>C = 1.5 \mu F</math></p> <p>Measurement Result:  <math>R =</math> <math>\Omega</math>  <math>C =</math> <math>\mu F</math></p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-

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Greece Advisory Notes		
Requirements	N/A N/T fail OK	Appendix A
<b>GR03</b> Control of sending level in quiescent state:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	32-34
<b>GR04</b> Inter-working after receiving ringing signal having a long duration: $U_{TE\text{ eff}} = 75\text{ V}\sim, 25\text{ Hz}, t = 6.5\text{s}$	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	35

Portugal		
ATAAB Advisory Notes		
Requirements	N/A N/T fail OK	Appendix A
<p><b>ATAAB AN 001</b></p> <p><b>Automatic Dialling:</b> Limit: Dialling without dial tone: t = 2.7s - 5s Dialling with dial tone: t &lt; 5s</p> <p>Measurement Result: <input checked="" type="checkbox"/> Dialling without dial tone: t = 4.13 s <input checked="" type="checkbox"/> Dialling with dial tone: t = 0.84 s</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>1-2</p>
<p><b>ATAAB AN 005</b></p> <p><b>Automatic clearing of automatically originated or answered PSTN calls:</b> Limit: t &lt; 360s</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>5</p>
<p><b>ATAAB AN 006</b></p> <p><b>Resistance to earth:</b> Limit: U = 150 V DC =&gt; R &gt; 100 kΩ</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>7</p>
<p><b>ATAAB AN 007</b></p> <p><b>Liberation of loop condition by the TE in the event of power failure:</b> Limit: Return to quiescent state within: t &lt; 30 s</p> <p>Measurement Result: t &lt; 1.48 s</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>8-9</p>
<p><b>ATAAB AN 011</b></p> <p><b>Establishment of loop for automatic answer:</b> Limit: t &lt; 2 min</p> <p>Measurement Result: t = 7.11 s</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>26-27</p>

Portugal Advisory Notes		
Requirements	N/A N/T fail OK	Appendix A
<p><b>P03</b></p> <p><b>Input impedance for voice band signal and billing signal in quiescent state:</b> Limit: (Test Signal = 1.5 Vrms) 300 Hz - 4000 Hz      Z &gt; 15 kΩ 4 kHz - 15 kHz        Z &gt; 6 kΩ</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>47-48</p>
<p><b>P04</b></p> <p><b>2 - Port - TE</b></p> <p><b>4.1 Series DC resistance in loop state:</b> Limit: R &lt; 100 Ω Measurement Result: R =        Ω</p>	<p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	
<p><b>P04</b></p> <p><b>2 - Port - TE</b></p> <p><b>4.2 Transition from quiescent state to loop state:</b> Limit: t &lt; 100 ms Measurement Result: t =        ms</p>	<p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	
<p><b>P04</b></p> <p><b>2 - Port - TE</b></p> <p><b>4.3 Insertion Loss of a Series Terminal Equipment</b> Limit: Insertion Loss &lt; 1 dB (Vrms = 1.5V: 300 Hz &lt; f &lt; 3400 Hz) Measurement Result: Maximum Insertion Loss =        dB</p>	<p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	
<p><b>P08</b></p> <p><b>Restriction on seizing the line without the intent of making a call:</b> Measurement Result: Automatically seizing the line only with the intention to make a call.</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>-</p>

Portugal Advisory Notes		
P10 Loop disconnect signalling Requirements according 25.01.51.001 - 5.6.1 Decimal Pulse Dialling	N/A N/T fail OK	Appendix A
<b>5.6.1.1 Corresponding of digits and series of pulses</b> Measurement Result: Each digit corresponds to a series of pulse equal to its value. Only '0' is 10 pulses.	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.2 / 3 Break and make pulse period ratio:</b> Limit: Fig. 5.15 (48V; 400Ω) Measurement Result: Make time: $t_M =$ ms Brake time: $t_B =$ ms Frequency: $f =$ Hz	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.4 Pre dialling stage</b> Limit: Fig. 5.16 (45V - 55V; 300Ω - 1800Ω) Measurement Result: The voltage and current of the pre dialling stage are within the limit of Fig.5.16.	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.5 Current during loop openings:</b> Limit: not more than 2 mA after 4 ms and fall of 0.5mA after 6ms. after 6ms the loop current $I < 0.5$ mA (48V; 400Ω) Measurement Result: $I < 2$ mA after ms $I < 0.5$ mA after ms	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.6 Current during loop closing stages:</b> Limit: after 4ms see limit of Fig.5.16 (45V - 55V; 300Ω - 1800Ω) Measurement Result: $I$ (Fig.5.16) after ms	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.7 Inter-digital pause time:</b> Limit: $t_i = 600$ ms - 1000ms (48V; 400Ω) Measurement Result: $t_i =$ ms	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.8 Inter-digital pause current:</b> Limit: after 4ms see limit of Fig.5.16 (45V - 55V; 300Ω - 1800Ω) Measurement Result: $I$ (Fig.5.16) after ms	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-
<b>5.6.1.9 Inter-digital pause, Dialling with current interruption:</b> Limit: no alteration by 110 ms loop interruption, 100 ms after the pulse train. $I > 20$ mA, 10 ms after the loop current interruption. (48V; 400Ω) Measurement Result: No alteration to its normal operation caused by loop current interruption	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	-

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<p><b>5.6.1.10 Post pulsing period:</b> Limit: after 4ms of last opening see limit of Fig.5.16 (45V-55V; 300Ω-1800Ω) Measurement Result: I (Fig.5.16) after       ms</p>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>-</p>
--	--	----------

<p><b>Spain</b></p>		
<p><b>ATAAB Advisory Notes</b></p>		
<p><b>Requirements</b></p>	<p>N/A N/T fail OK</p>	<p>Appendix A</p>
<p><b>Spain Advisory Notes</b></p>		
<p><b>ATAAB AN 005</b> <b>Automatic clearing of automatically originated or answered PSTN calls:</b> Limit: t &lt; 360s</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>5</p>
<p><b>ATAAB AN 007</b> <b>Liberation of Loop condition by the TE in the event of power failure:</b> Limit: In quiescent state within: t &lt; 30 s Measurement Result: t &lt; 1.48 s</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>8-9</p>
<p><b>ATAAB AN 012</b> <b>Transient after change to the opposite polarity:</b> Limit: see Figure AN 12.1 Measurement Result: Current within the limits of Figure AN 12.1</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>28-31</p>
<p><b>ES 01</b> <b>DC current and loop resistance:</b> Limit: see Table ES 01.1</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>36-37</p>

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<b>Switzerland</b>		
<b>ATAAB Advisory Notes</b>		
<b>Requirements</b>	<b>N/A N/T fail OK</b>	<b>Appendix A</b>
<b>Switzerland Advisory Notes</b>		
<b>ATAAB AN 002</b> <b>Ringling signal detector sensitivity:</b>  Measurement Result: Detecion of 24Vrms ringing signal	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	3-4

<b>Norway</b>		
<b>ATAAB Advisory Notes</b>		
<b>Requirements</b>	<b>N/A N/T fail OK</b>	<b>Appendix A</b>
<b>Norwegian Advisory Notes</b>		
<b>ATAAB AN 002</b> <b>Ringling signal detector sensitivity:</b>  Measurement Result: Detecion of 24Vrms ringing signal	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	3-4
<b>ATAAB AN 005</b> <b>Automatic clearing of automatically originated or answered PSTN calls:</b> Limit: $t < 180s$	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6
<b>ATAAB AN 007</b> <b>Liberation of Loop condition by the TE in the event of power failure:</b> Limit: In quiescent state within: $t < 30 s$  Measurement Result: $t < 1.48 s$	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	8-9
<b>NO01</b> <b>Control of sending level in quiescent state:</b>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	32-34
<b>NO02</b> <b>DC current and loop resistance:</b> Limit: see Table NO 02.1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	36-37

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**Prüfbericht - Nr.:**  
*Test Report No.:*

50035644 002

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**Anlage A**  
Appendix A

**Messergebnisse**  
Measuring results

Protocol for Automatic dialling

AN 001 Dialling without dial tone detection

```

=====
Model No.      : FAX System 12      Feeding voltage : 50.0 V
TEUT           : Facsimile Kit for MFP  Polarity        : Normal
Number of TEUT: 214067793          Feeding resistor : 850.0 Ohm
Manufacturer   : KYOCERA DS Inc.    Feeding bridge  : TBR21
Date           : 16.12.15           Receiver impedance: Zr TBR21
Time           : 15:15.47           Gain (internal)  : +0.0 dB

Data set       : AN001
Requirement    : The TE shall start dialling in the limits of  2.7 s ...  5.0s

Remark        : -
    
```

Verdict : PASS

Frequency Hz	Level dBV	T seize s	T dial s	Dialled
-----------------	--------------	--------------	-------------	---------

No dial tone		4.13	-	1?
--------------	--	------	---	----

Protocol for Automatic dialling

AN 001 Dialling with dial tone detection - Continuous dial tone -  
 =====

Model No. : FAX System 12 Feeding voltage : 50.0 V  
 TEUT : Facsimile Kit for MFP Polarity : Normal  
 Number of TEUT: 214067793 Feeding resistor : 850.0 Ohm  
 Manufacturer : KYOCERA DS Inc. Feeding bridge : TBR21  
 Date : 16.12.15 Receiver impedance: Zr TBR21  
 Time : 15:17.14 Gain (internal) : +0.0 dB

Data set : AN001 with dial tone  
 Requirement : The TE shall start dialling in the limits of 0.0 s ... 5.0s

Remark : -

Verdict : PASS

Frequency Hz	Level dBV	T seize s	T dial s	Dialled
300	- 0.7	3.72	0.75	1??
300	-35.7	3.81	0.84	1?
500	-35.7	3.69	0.75	1?
500	- 0.7	3.69	0.75	1?

Protocol for Automatic answering function Auto

AN 002 Ringing signal detector sensitivity (24V) - Auto answer

```

=====
Model No.      : FAX System 12      Feeding voltage : 48.0 V
TEUT           : Facsimile Kit for MFP Current limitation: 40.0 mA
Number of TEUT: 214067793          Polarity        : Normal
Manufacturer   : KYOCERA DS Inc.    Feeding resistor: 850.0 Ohm
                                           Trigger event   : 1. pos. Edge
Date           : 16.12.15           Gain (internal)  : -30.0 dB
Time           : 15:28.50
    
```

Data set : AN-02-03 N  
 Requirement : The TE shall be able to respond to ringing signals of 24 Vrms.

Remarks : Tested were also further ringing signals as advised in AN 003 and listed below.

Verdict : PASS

Cycles	Frequency	Ute	1.Pulse	Pulse	Pause	Answering
13	20.0	24.0	800	800	6000	7.87
13	60.0	24.0	1200	1200	4000	16.69
13	20.0	90.0	1200	1200	4000	6.30
13	60.0	90.0	800	800	6000	7.90

Protocol for Automatic answering function Auto

AN 002 Ringing signal detector sensitivity (24V) - Auto answer

```

=====
Model No.      : FAX System 12      Feeding voltage : 48.0 V
TEUT           : Facsimile Kit for MFP Current limitation: 40.0 mA
Number of TEUT: 214067793          Polarity        : Inverted
Manufacturer   : KYOCERA DS Inc.    Feeding resistor : 850.0 Ohm
Date           : 16.12.15           Trigger event    : 1. pos. Edge
Time           : 15:33.46           Gain (internal) : -30.0 dB
    
```

Data set : AN-02-03 I  
 Requirement : The TE shall be able to respond to ringing signals of 24 Vrms.

Remarks : Tested were also further ringing signals as advised in AN 003 and listed below.

Verdict : PASS

Cycles	Frequency	Ute	1.Pulse	Pulse	Pause	Answering
13	20.0	24.0	800	800	6000	7.90
13	60.0	24.0	1200	1200	4000	6.31
13	20.0	90.0	1200	1200	4000	6.31
13	60.0	90.0	800	800	6000	7.91

Protocol for Liberation of loop condition

Liberation of loop condition  
EG 201 121/AN-05

Date	: 16.12.15	Feeding Voltage	: 50.0 V
Time	: 15:59.45	Polarity	: Normal
Operator	: Y. Miura	Current limitation	: 100.0 mA
Commission	: 214067793	Feeding Bridge	: TBR21
TEUT	: Facsimile Kit for MFP		
Manufacturer	: KYOCERA DS Inc.		
Parameter set	: AN-05,A.3.1 2050 Ohm N		

Remark : -  
Verdict : PASS Requirement [s] : 0.0 .. 360.0 s

Frequency Hz	Level dBm	td s	ton ms	toff ms	Disconnect after s
425	- 30.0	360.0	200	200	2.1
425	- 30.0	360.0	200	200	
			200	600	2.5
425	- 30.0	360.0	200	200	
			200	200	
			200	600	2.1
0	- 30.0	0.0	0	0	56.7

Protocol for Liberation of loop condition

Liberation of loop condition  
EG 201 121/AN-05

Date	: 16.12.15	Feeding Voltage	: 50.0 V
Time	: 15:56.25	Polarity	: Normal
Operator	: Y. Miura	Current limitation	: 100.0 mA
Commission	: 214067793	Feeding Bridge	: TBR21
TEUT	: Facsimile Kit for MFP		
Manufacturer	: KYOCERA DS Inc.		
Parameter set	: AN-05,B.3.1 2050 Ohm N		

Remark : -  
Verdict : PASS Requirement [s] : 0.0 .. 180.0 s

Frequency Hz	Level dBm	td s	ton ms	toff ms	Disconnect after s
No tone		-	-	-	56.6

Protocol for Resistance to earth

Resistance to earth

Date : 16.12.15 Feeding bridge : germany  
 Time : 16:08.44 Waiting Period : 10.0 sec  
 Operator : Y. Miura  
 Test Job : 214067793  
 TEUT : Facsimile Kit for MFP Verdict : PASS  
 Parameter set : AN 06

Remark : -

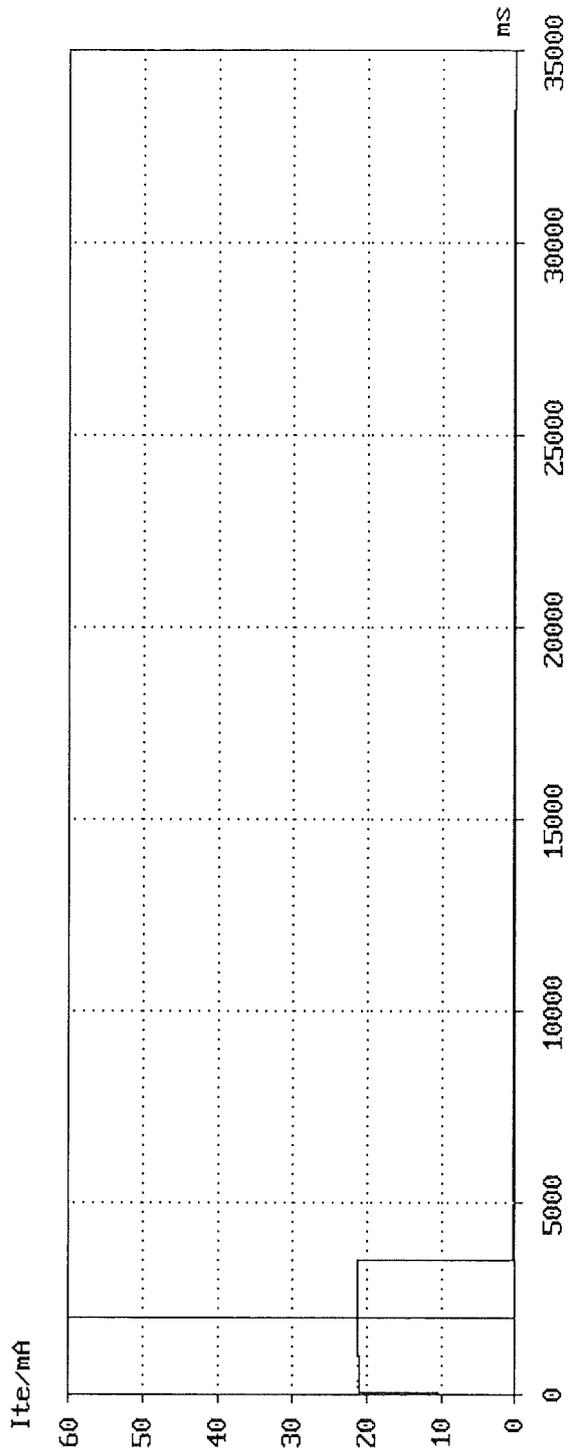
Uf V	Rf Ω	Polarity	Ut V	Rt Ω	Measure	Limit MΩ	Current uA	Resistance MΩ
50.0	1000	Normal	100.0	10000	b - E	10	< 2.0	> 50
50.0	1000	Normal	-100.0	10000	b - E	10	< 2.0	> 50
50.0	1000	Normal	100.0	10000	a - E	10	< 2.0	> 50
50.0	1000	Normal	-100.0	10000	a - E	10	< 2.0	> 50
50.0	1000	Normal	150.0	10000	a - E	0.1	< 3.0	> 50
50.0	1000	Normal	-150.0	10000	a - E	0.1	< 3.0	> 50
50.0	1000	Normal	150.0	10000	b - E	0.1	< 3.0	> 50
50.0	1000	Normal	-150.0	10000	b - E	0.1	< 3.0	> 50

# Liberation of loop condition power failure

EG 201 121/AN-07

Test Job : 214067793  
 TEUT : Facsimile Kit for MFP  
 Manufacturer : KYOCERA DS Inc.  
 Operator : Y. Miura  
 Date : 16.12.15  
 Time : 16:12.37  
 Remark : -  
 Ite : 0.02 mA  
 Ute : 49.96 V  
 TEUT Status : Quiescent state  
 Verdict : PASS

Feeding Bridge : TBR21  
 Feeding voltage : 50.0 V  
 Feeding resistor : 2050.0 Ohm  
 Polarity : Normal  
 Limit :  $\leq 30.0$  s  
 Measured value : 1.48 s  
 t0 : 1475 ms  
 t01 : 1475 ms  
 Transient times : 0.0 ms  
 Trigger : OK  
 I [mA] : 10.0

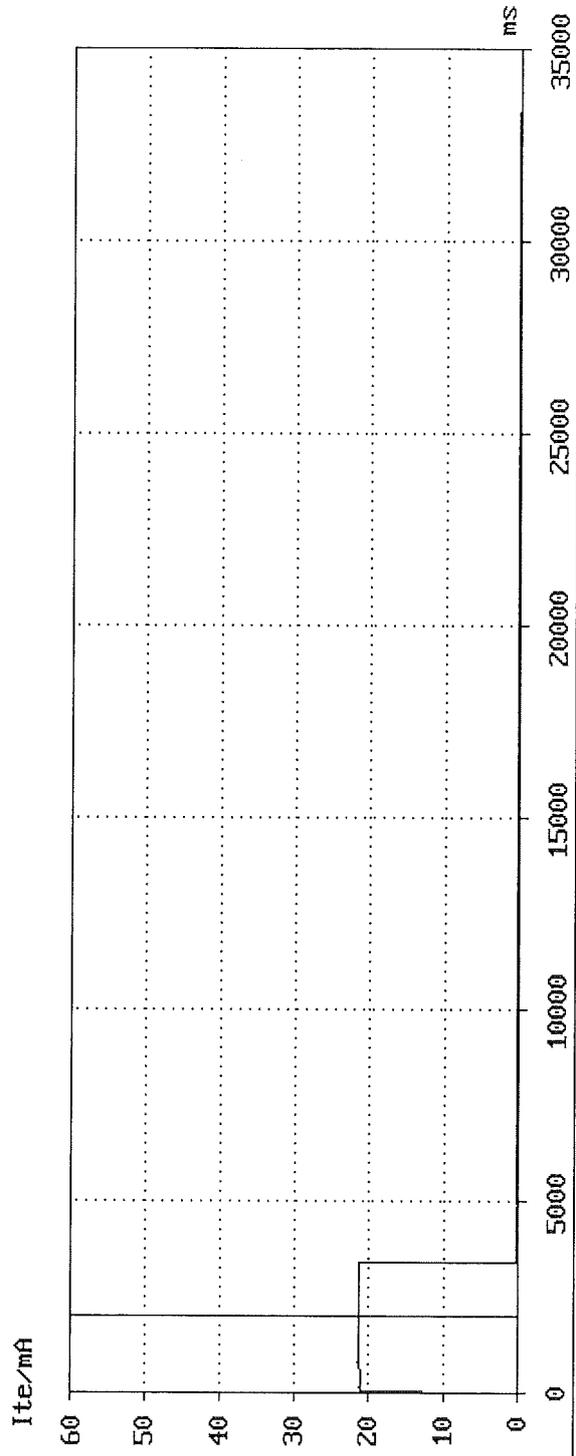


# Liberation of loop condition power failure

EG 201 121/AN-07

Test Job : 214067793  
 TEUT : Facsimile Kit for MFP  
 Manufacturer : KYOCERA DS Inc.  
 Operator : Y. Miura  
 Date : 16.12.15  
 Time : 16:14.41  
 Remark : -  
 Ite : 0.02 mA  
 Ute : 49.96 V  
 TEUT Status : Quiescent state  
 Verdict : PASS

Feeding Bridge : TBR21  
 Feeding voltage : 50.0 V  
 Feeding resistor : 2050.0 Ohm  
 Polarity : Inverted  
 Limit :  $\leq 30.0$  s  
 Measured value : 1.38 s  
 t0 : 1375 ms  
 t01 : 1380 ms  
 Transient times : 0.0 ms  
 Trigger : OK  
 I [mA] : 10.0



Protocol for Maximum mean sending level

TBR21-4.7.3.1 Mean sending level / TBR21-4.7.3.2 Instantaneous voltage

```
=====
Model No.      : FAX System 12      Feeding voltage   : 50 V
TEUT           : Facsimile Kit for MFP Current limitation: 80 mA
Number of TEUT: 214067793          Polarity          : Normal
Manufacturer   : KYOCERA DS Inc.    Feeding resistor  : 230 Ω
Date           : 15.12.15           Trigger lev./delay: -12.0 dBV 10 msec
Time           : 13:56.45           Receiver impedance: Zr TBR21
                                           Receiver filter   : BP 200-3800 Hz
                                           Call setup       : outgoing
                                           Gain (internal)  : -6.0 dB
```

Data set : TBR21-4.7.3.1 230 N  
Requirement : The mean sending level shall not be greater than -9.7 dBV  
The instantaneous voltage shall not exceed 5.0 Vpp.

Comm. Signal : V.34 33600bps                      Instantaneous Volt: 1.33                      Vpp

Verdict : PASS

Mean level  
dBV

- 13.1

Protocol for Maximum mean sending level

TBR21-4.7.3.1 Mean sending level / TBR21-4.7.3.2 Instantaneous voltage

```
=====
Model No.      : FAX System 12      Feeding voltage   : 50 V
TEUT           : Facsimile Kit for MFP Current limitation: 80 mA
Number of TEUT: 214067793          Polarity          : Inverted
Manufacturer   : KYOCERA DS Inc.    Feeding resistor  : 230 Ω
Date           : 16.12.15           Trigger lev./delay: -12.0 dBV 10 msec
Time           : 9:28.50            Receiver impedance: Zr TBR21
                                           Receiver filter   : BP 200-3800 Hz
                                           Call setup        : outgoing
                                           Gain (internal)   : -6.0 dB
```

Data set : TBR21-4.7.3.1 230 I  
Requirement : The mean sending level shall not be greater than -9.7 dBV  
The instantaneous voltage shall not exceed 5.0 Vpp.

Comm. Signal : V.17 14400bps                      Instantaneous Volt: 1.11                      Vpp

Verdict : PASS

Mean level  
dBV

- 12.9

Protocol for Maximum mean sending level

TBR21-4.7.3.1 Mean sending level / TBR21-4.7.3.2 Instantaneous voltage

```
=====
Model No.      : FAX System 12      Feeding voltage   : 50 V
TEUT           : Facsimile Kit for MFP  Current limitation: 80 mA
Number of TEUT: 214067793          Polarity          : Normal
Manufacturer   : KYOCERA DS Inc.    Feeding resistor  : 3200 Ω
Date          : 16.12.15            Trigger lev./delay: -12.0 dBV 10 msec
Time          : 9:43.08              Receiver impedance: Zr TBR21
                                           Receiver filter   : BP 200-3800 Hz
                                           Call setup       : outgoing
                                           Gain (internal)  : -6.0 dB

Data set       : TBR21-4.7.3.1 3200 N
Requirement    : The mean sending level shall not be greater than -9.7 dBV
                The instantaneous voltage shall not exceed 5.0 Vpp.

Comm. Signal   : V.29 9600bps        Instantaneous Volt: 1.15      Vpp
                                           Verdict          : PASS
```

Mean level  
dBV

- 13.0

Protocol for Maximum mean sending level

TBR21-4.7.3.1 Mean sending level / TBR21-4.7.3.2 Instantaneous voltage

=====  
Model No. : FAX System 12 Feeding voltage : 50 V  
TEUT : Facsimile Kit for MFP Current limitation: 80 mA  
Number of TEUT: 214067793 Polarity : Inverted  
Manufacturer : KYOCERA DS Inc. Feeding resistor : 3200  $\Omega$   
Date : 16.12.15 Trigger lev./delay: -12.0 dBV 10 msec  
Time : 10:08.21 Receiver impedance: Zr TBR21  
Receiver filter : BP 200-3800 Hz  
Call setup : outgoing  
Gain (internal) : -6.0 dB

Data set : TBR21-4.7.3.1 3200 I  
Requirement : The mean sending level shall not be greater than -9.7 dBV  
The instantaneous voltage shall not exceed 5.0 Vpp.

Comm. Signal : V.27ter 4800bps Instantaneous Volt: 0.84 Vpp

Verdict : PASS

Mean level  
dBV

- 13.1

Protocol for Maximum mean sending level

TBR21-4.7.3.1 Mean sending level / TBR21-4.7.3.2 Instantaneous voltage

```
=====
Model No.      : FAX System 12      Feeding voltage   : 50 V
TEUT           : Facsimile Kit for MFP Current limitation: 80 mA
Number of TEUT : 214067793          Polarity          : Normal
Manufacturer   : KYOCERA DS Inc.    Feeding resistor  : 230 Ω
Date           : 16.12.15           Trigger lev./delay: -12.0 dBV 10 msec
Time           : 10:44.06           Receiver impedance: Zr TBR21
                                           Receiver filter   : BP 200-3800 Hz
                                           Call setup       : outgoing
                                           Gain (internal)  : -6.0 dB
```

Data set : TBR21-4.7.3.1 230 N  
Requirement : The mean sending level shall not be greater than -9.7 dBV  
The instantaneous voltage shall not exceed 5.0 Vpp.

Comm. Signal : V.21 300bps                      Instantaneous Volt: 0.68                      Vpp

Verdict : PASS

Mean level  
dBV

- 13.0

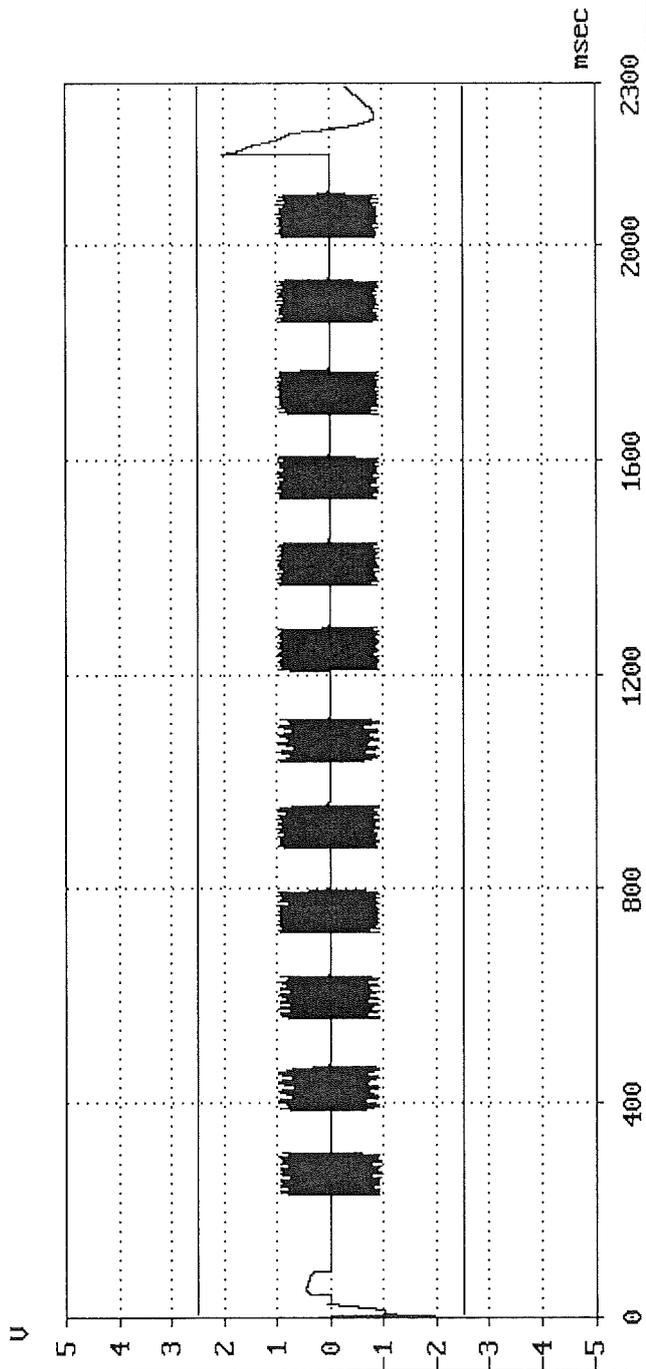
# DTMF instantaneous voltage

EG 201 121/AN-09

Test Job : 214067793 Mask violations : 0  
TEUT : Facsimile Kit for MFP Measured voltage : OK  
Manufacturer : KYOCERA DS Inc. Temporary Voltage : 5.0 Vpp for 0.0 msec  
Operator : Y. Miura Feeding Voltage : 50.0 V  
Date : 16.12.15 Polarity : Normal  
Time : 16:20.34 Feeding Resistor : 230.0 Ohm  
Filter : BP 5-4300 Hz

Remark : -

Verdict : PASS  
Trigger : OK  
User Operation : DTMF



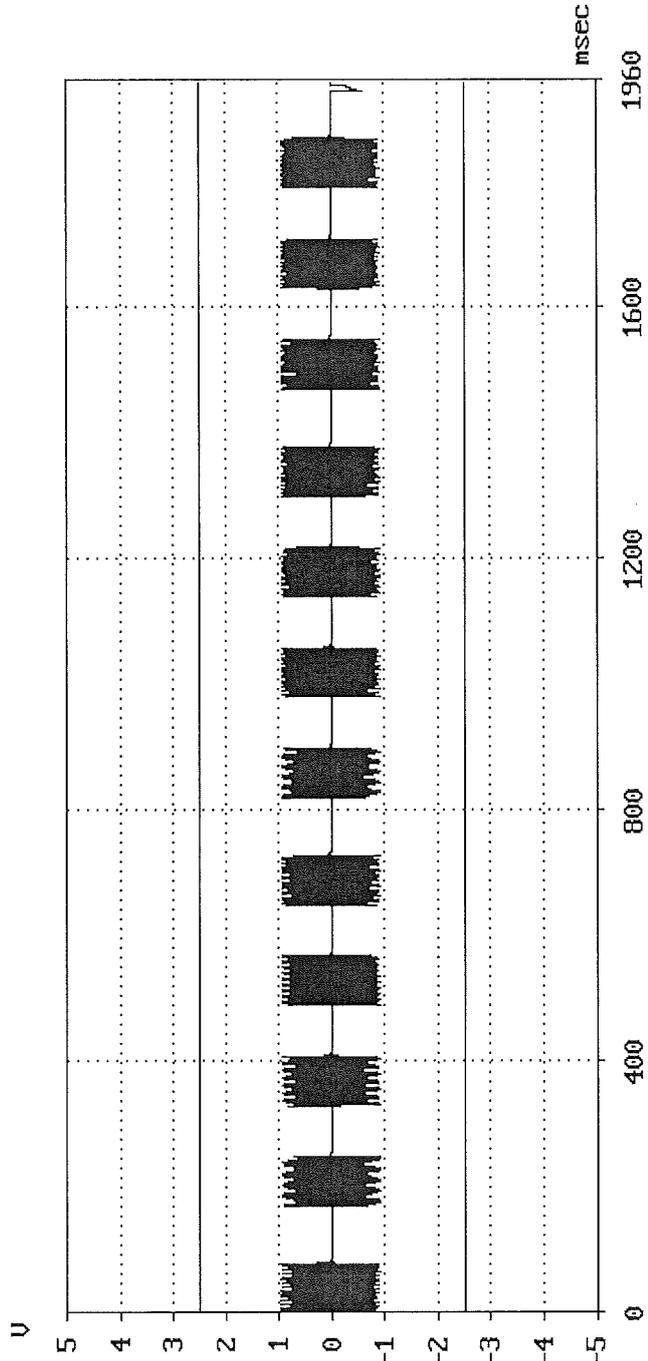
# DTMF instantaneous voltage

EG 201 121/AN-09

Test Job : 214067793 Mask violations : 0  
 TEUT : Facsimile Kit for MFP Measured voltage : OK  
 Manufacturer : KYOCERA DS Inc. Temporary Voltage : 5.0 Vpp for 0.0 msec  
 Operator : Y. Miura Feeding Voltage : 50.0 V  
 Date : 16.12.15 Polarity : Inverted  
 Time : 16:24.23 Feeding Resistor : 3200.0 Ohm  
 Filter : BP 5-4300 Hz

Remark : -

Verdict : PASS  
 Trigger : OK  
 User Operation : DTMF

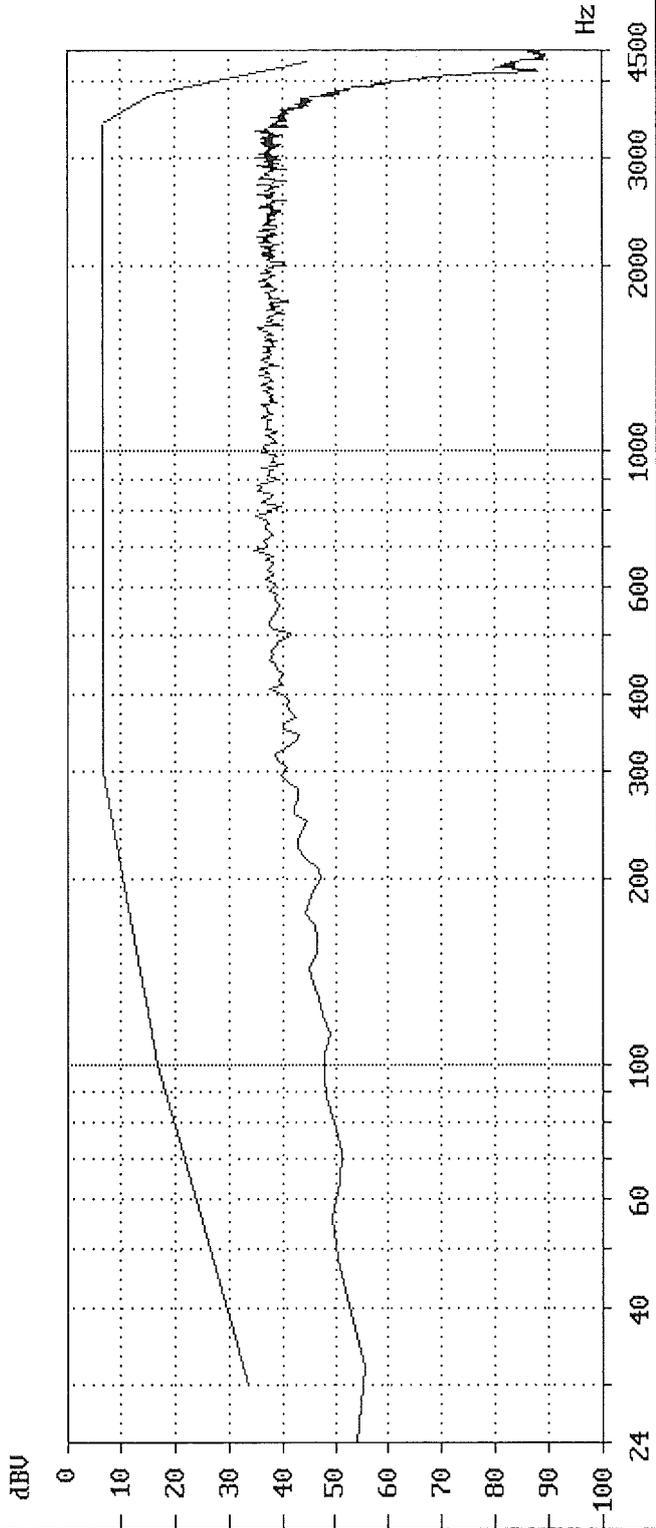


## AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Model No. : FAX System 12      Feeding voltage : 50.0 V      Feeding bridge: TBR21  
 TEUT : Facsimile Kit for M...      Max. Level : - 34.6 dBV  
 Number of TEUT: 214067793      Polarity : Normal      Frequency : 689 Hz  
 Manufacturer : KYOCERA DS Inc.      Feeding resistor : 230.0 Ohm      Rx impedance : Zr TBR21  
 Date : 15.12.15      Requirement: The voltage      Call setup : outgoing  
 Time : 14:00.10      shall not exceed the limits  
 Remark : V.34 33600bps      Data set : AN10 230 Ohm N

Verdict : PASS

Mask violation: 0

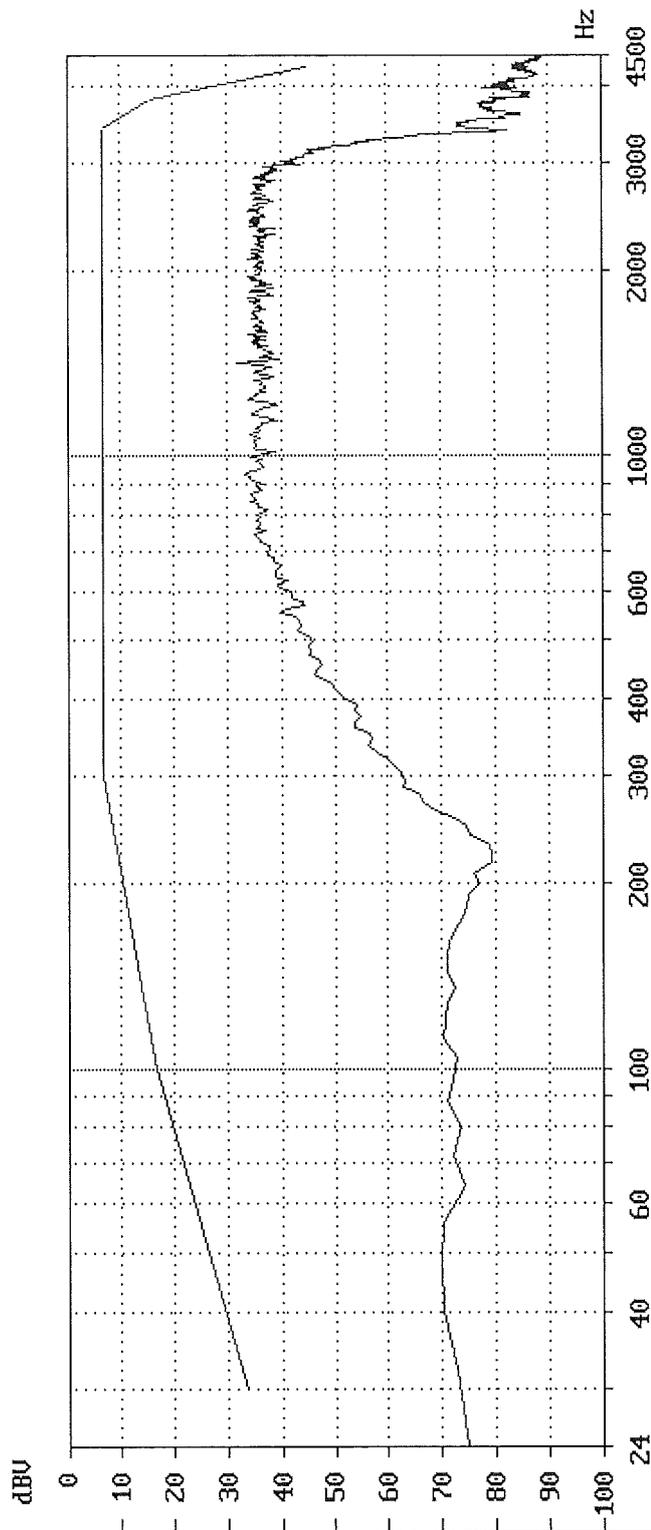


## AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Model No. : FAX System 12	Feeding voltage : 50.0 V	Feeding bridge: TBR21
TEUT : Facsimile Kit for	Current limitation: 80.0 mA	Max. Level : - 31.7 dBu
Number of TEUT: 214067793	Polarity : Inverted	Frequency : 1418 Hz
Manufacturer : KYOCERA DS Inc.	Feeding resistor : 230.0 Ohm	Rx impedance : Zr TBR21
Date : 16.12.15	Requirement: The voltage	Call setup : outgoing
Time : 9:32.24	shall not exceed the limits	
Remark : V.17 14400bps	Data set : AN10 230 Ohm I	

Mask violation: 0

Verdict : PASS

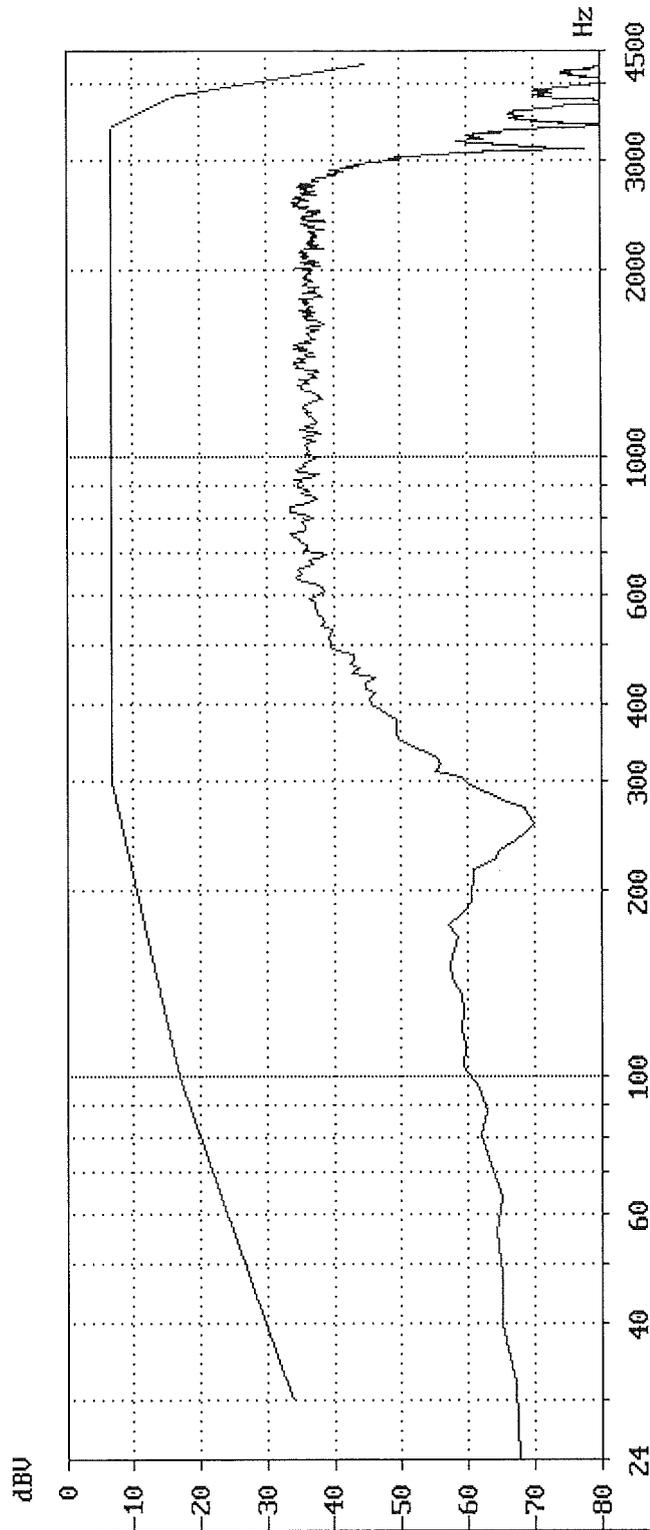


## AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Model No. : FAX System 12 Feeding voltage : 50.0 V Feeding bridge: TBR21  
 TEUT : Facsimile Kit for MFBrent limitation: 80.0 mA Max. Level : - 33.5 dBV  
 Number of TEUT: 214067793 Polarity : Normal Frequency : 817 Hz  
 Manufacturer : KYOCERA DS Inc. Feeding resistor : 3200.0 Ohm Rx impedance : 2r TBR21  
 Date : 16.12.15 Requirement: The voltage Call setup : outgoing  
 Time : 9:49.25 shall not exceed the limits  
 Remark : V.29 9600bps Data set : AN10 3200 Ohm N

Mask violation: 0

Verdict : PASS

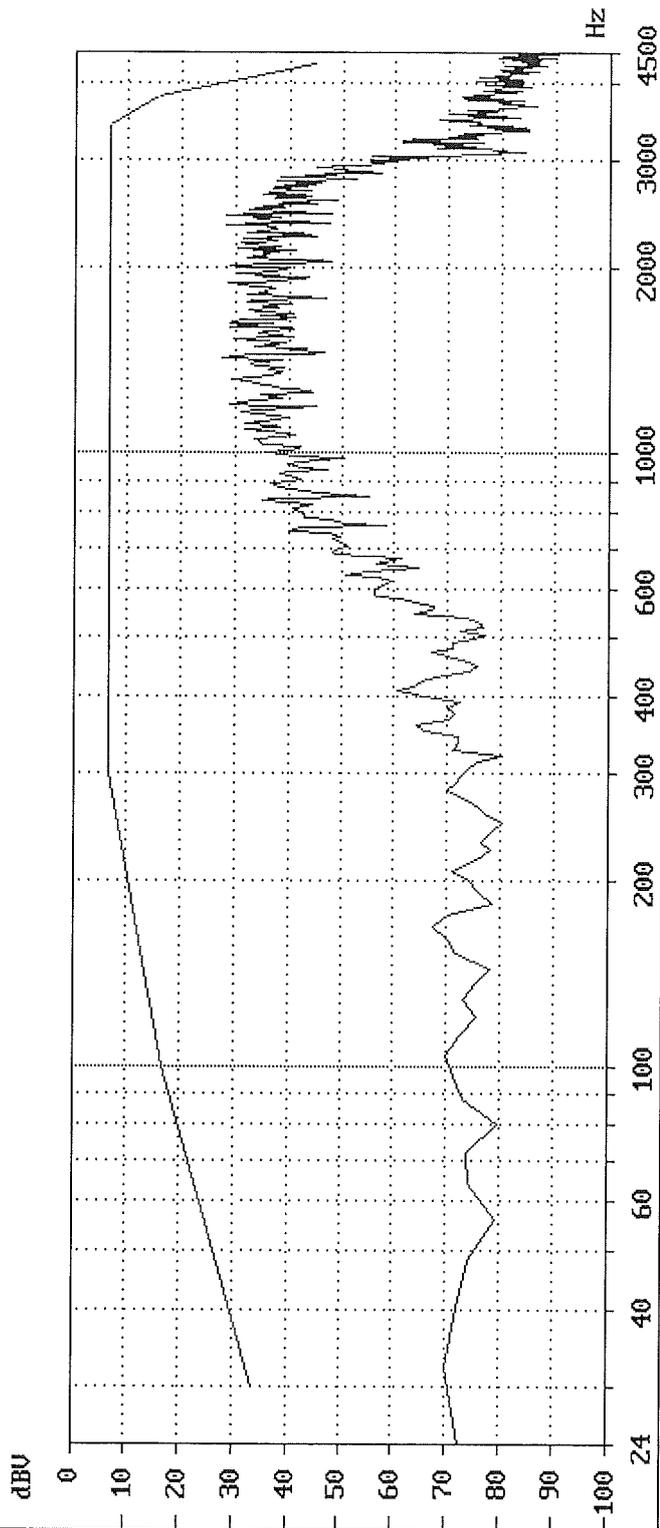


## AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Model No. : FAX System 12      Feeding voltage : 50.0 V      Feeding bridge: TBR21  
 TEUT : Facsimile Kit for MURBERT limitation: 80.0 mA      Max. Level : - 27.4 dBV  
 Number of TEUT: 214067793      Polarity : Inverted      Frequency : 1426 Hz  
 Manufacturer : KYOCERA DS Inc.      Feeding resistor : 3200.0 Ohm      Rx impedance : Zr TBR21  
 Date : 16.12.15      Requirement: The voltage shall not exceed the limits      Call setup : outgoing  
 Time : 10:13.45  
 Remark : U.27ter 4800bps      Data set : AN10 3200 Ohm I

Mask violation: 0

Verdict : PASS



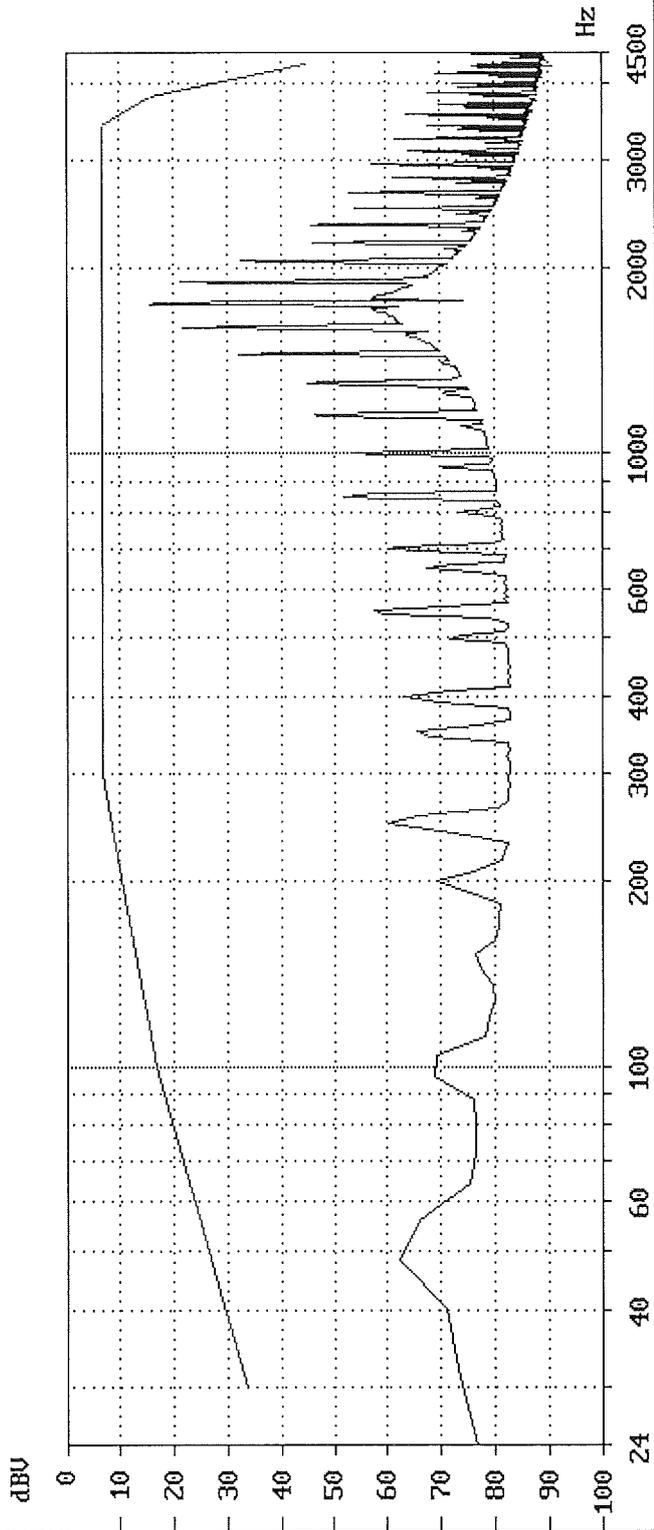
## AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Model No.	: FAX System 12	Feeding voltage	: 50.0 V	Feeding bridge	: TBR21
TEUT	: Facsimile Kit for	Current limitation	: 80.0 mA	Max. Level	: - 15.6 dBV
Number of TEUT	: 214067793	Polarity	: Normal	Frequency	: 1747 Hz
Manufacturer	: KYOCERA DS Inc.	Feeding resistor	: 230.0 Ohm	Rx impedance	: Zr TBR21
Date	: 16.12.15	Requirement	: The voltage shall not exceed the limits	Call setup	: outgoing
Time	: 18:28.08	Data set	: AN10 230 Ohm N		

Remark : U.21 300bps

Mask violation: 0

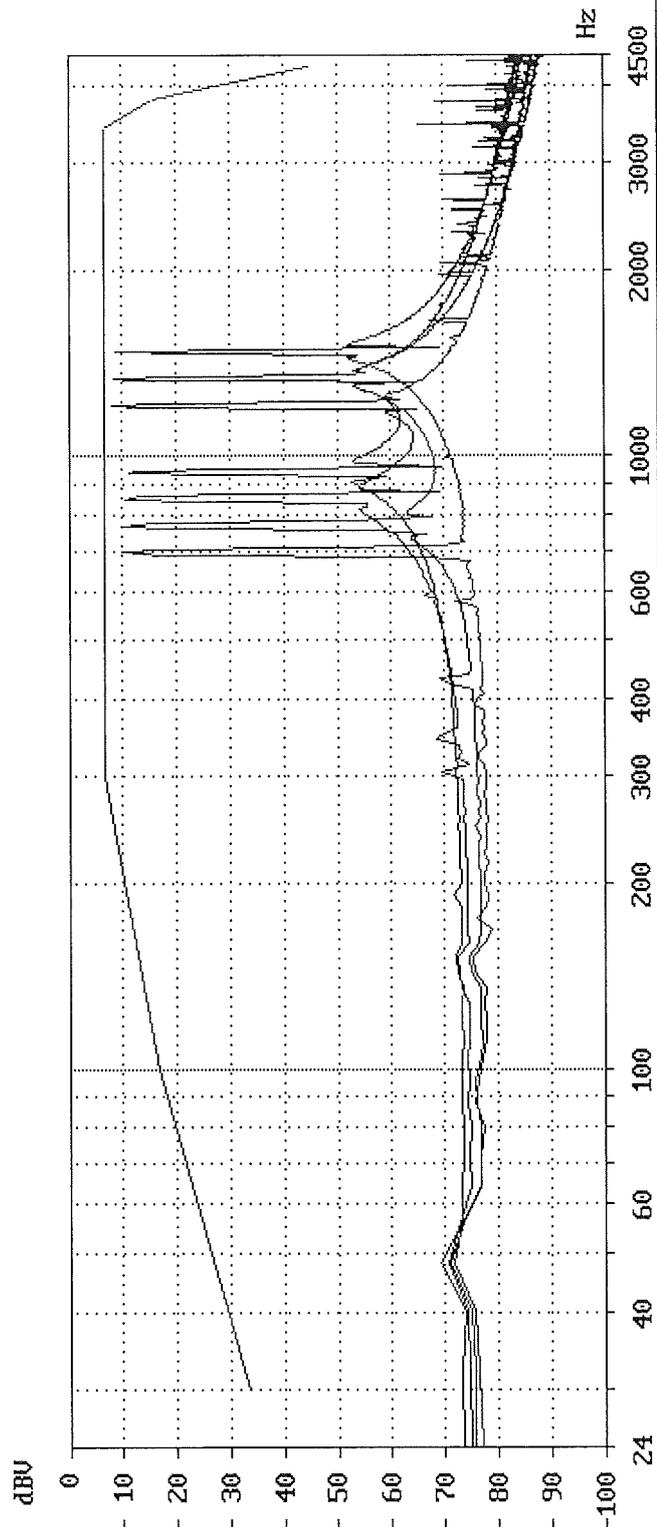
Verdict : PASS



# AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Comission : 214067793  
Printing time : 16.12.15 16:31.34  
Graph 1 \_\_\_\_\_  
Graph 2 \_\_\_\_\_  
Graph 3 \_\_\_\_\_  
Graph 4 \_\_\_\_\_

Requirement: The voltage shall not exceed the limits



Maximum voltage in 10Hz bandwidth  
Comission : 214067793

Printing time : 16.12.15 16:31.34

Graph 1

Graph 2

Model No.	FAX System 12	FAX System 12
TEUT	Facsimile Kit for MFP	Facsimile Kit for MFP
Number of TEUT	214067793	214067793
Manufacturer	KYOCERA DS Inc.	KYOCERA DS Inc.
Date	16.12.15	16.12.15
Time	16:30.00	16:30.21
Mask violation	0	0
Feeding voltage	50.0 V	50.0 V
Current limitation	80.0 mA	80.0 mA
Polarity	Normal	Normal
Feeding resistor	230.0 Ohm	230.0 Ohm
Data set	AN10 230 Ohm N	AN10 230 Ohm N
Feeding bridge	TBR21	TBR21
Max. Level	- 8.9 dBV	- 8.5 dBV
Frequency	1474 Hz	1338 Hz
Rx impedance	Zr TBR21	Zr TBR21
Call setup	outgoing	outgoing
Verdict	PASS	PASS
Remark	DTMF 3	DTMF 5

Graph 3

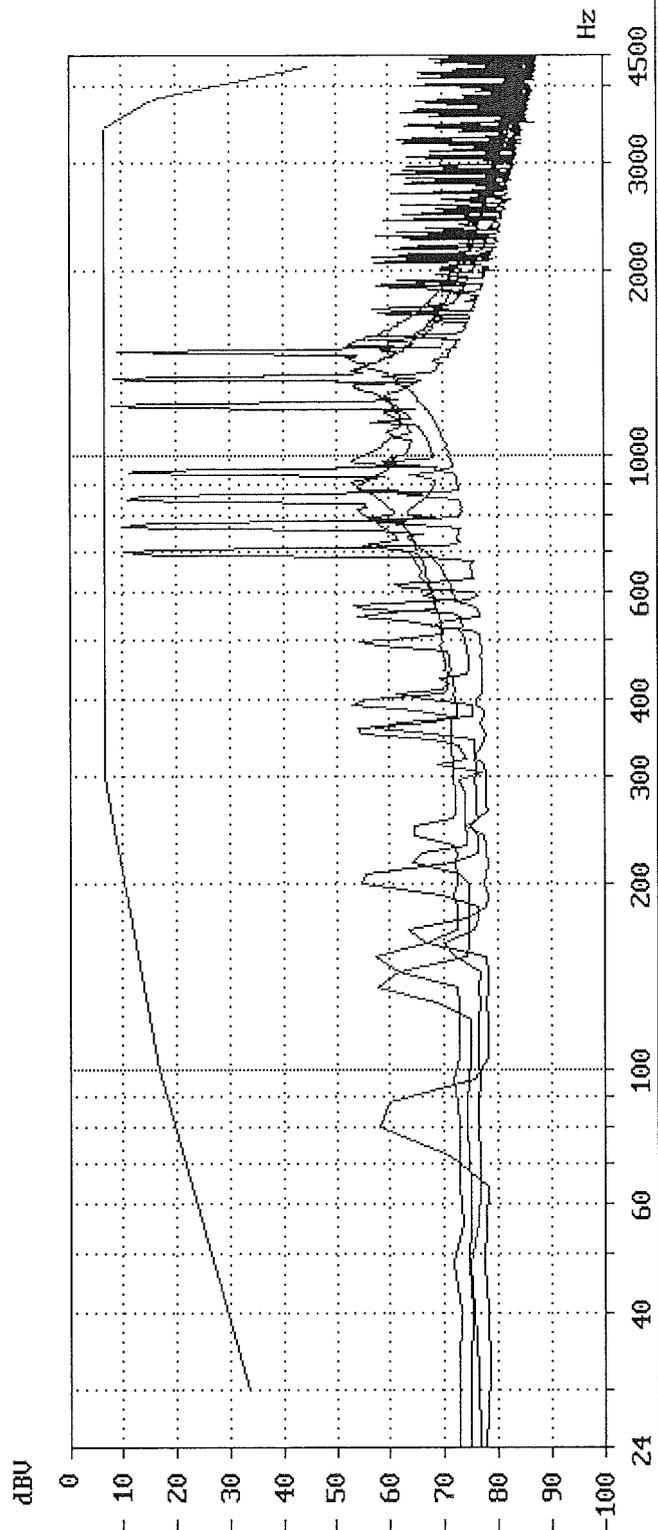
Graph 4

Model No.	FAX System 12	FAX System 12
TEUT	Facsimile Kit for MFP	Facsimile Kit for MFP
Number of TEUT	214067793	214067793
Manufacturer	KYOCERA DS Inc.	KYOCERA DS Inc.
Date	16.12.15	16.12.15
Time	16:30.38	16:30.52
Mask violation	0	0
Feeding voltage	50.0 V	50.0 V
Current limitation	80.0 mA	80.0 mA
Polarity	Normal	Normal
Feeding resistor	230.0 Ohm	230.0 Ohm
Data set	AN10 230 Ohm N	AN10 230 Ohm N
Feeding bridge	TBR21	TBR21
Max. Level	- 8.1 dBV	- 8.5 dBV
Frequency	1210 Hz	1338 Hz
Rx impedance	Zr TBR21	Zr TBR21
Call setup	outgoing	outgoing
Verdict	PASS	PASS
Remark	DTMF 7	DTMF 0

# AN 10 Sending level in 10Hz bandwidth regarding TBR 15

Comission : 214067793  
 Printing time : 16.12.15 16:34.00  
 Graph 1 \_\_\_\_\_  
 Graph 2 \_\_\_\_\_  
 Graph 3 \_\_\_\_\_  
 Graph 4 \_\_\_\_\_

Requirement: The voltage shall not exceed the limits



Maximum voltage in 10Hz bandwidth  
Commission : 214067793

Printing time : 16.12.15 16:34.00

Graph 1

Graph 2

Model No.	FAX System 12	FAX System 12
TEUT	Facsimile Kit for MFP	Facsimile Kit for MFP
Number of TEUT	214067793	214067793
Manufacturer	KYOCERA DS Inc.	KYOCERA DS Inc.
Date	16.12.15	16.12.15
Time	16:32.20	16:32.38
Mask violation	0	0
Feeding voltage	50.0 V	50.0 V
Current limitation	80.0 mA	80.0 mA
Polarity	Inverted	Inverted
Feeding resistor	3200.0 Ohm	3200.0 Ohm
Data set	AN10 3200 Ohm I	AN10 3200 Ohm I
Feeding bridge	TBR21	TBR21
Max. Level	- 9.0 dBV	- 8.6 dBV
Frequency	1474 Hz	1338 Hz
Rx impedance	Zr TBR21	Zr TBR21
Call setup	outgoing	outgoing
Verdict	PASS	PASS
Remark	DTMF 3	DTMF 5

Graph 3

Graph 4

Model No.	FAX System 12	FAX System 12
TEUT	Facsimile Kit for MFP	Facsimile Kit for MFP
Number of TEUT	214067793	214067793
Manufacturer	KYOCERA DS Inc.	KYOCERA DS Inc.
Date	16.12.15	16.12.15
Time	16:32.52	16:33.05
Mask violation	0	0
Feeding voltage	50.0 V	50.0 V
Current limitation	80.0 mA	80.0 mA
Polarity	Inverted	Inverted
Feeding resistor	3200.0 Ohm	3200.0 Ohm
Data set	AN10 3200 Ohm I	AN10 3200 Ohm I
Feeding bridge	TBR21	TBR21
Max. Level	- 8.2 dBV	- 8.6 dBV
Frequency	1210 Hz	1338 Hz
Rx impedance	Zr TBR21	Zr TBR21
Call setup	outgoing	outgoing
Verdict	PASS	PASS
Remark	DTMF 7	DTMF 0

Protocol for Automatic answering function Auto

Automatic answering function Auto  
EG 201 121/AN-11

Date	: 16.12.15	Feeding Voltage	: 50.0 V
Time	: 16:35.55	Dropping Resis. Rv	: 850.0 Ohm
Operator	: Y. Miura	Polarity	: Normal
Commission	: 214067793	Trigger threshold	: 10.0 mA
TEUT	: Facsimile Kit for MFP		
Manufacturer	: KYOCERA DS Inc.		
Parameter set	: AN-11 N		

Remark : -  
Verdict : PASS Requirement [s] : ≤ 120.0

Cycles	Frequency Hz	Ute V	1. Pulse ms	Pulse ms	Pause ms	Answering s
21	25.0	30.0	1000	1000	5000	7.08
21	50.0	30.0	1000	1000	5000	7.09

Protocol for Automatic answering function Auto

Automatic answering function Auto  
EG 201 121/AN-11

Date	: 16.12.15	Feeding Voltage	: 50.0 V
Time	: 16:41.07	Dropping Resis. Rv	: 850.0 Ohm
Operator	: Y. Miura	Polarity	: Inverted
Commission	: 214067793	Trigger threshold	: 10.0 mA
TEUT	: Facsimile Kit for MFP		
Manufacturer	: KYOCERA DS Inc.		
Parameter set	: AN-11 I		

Remark : -  
Verdict : PASS Requirement [s] : ≤ 120.0

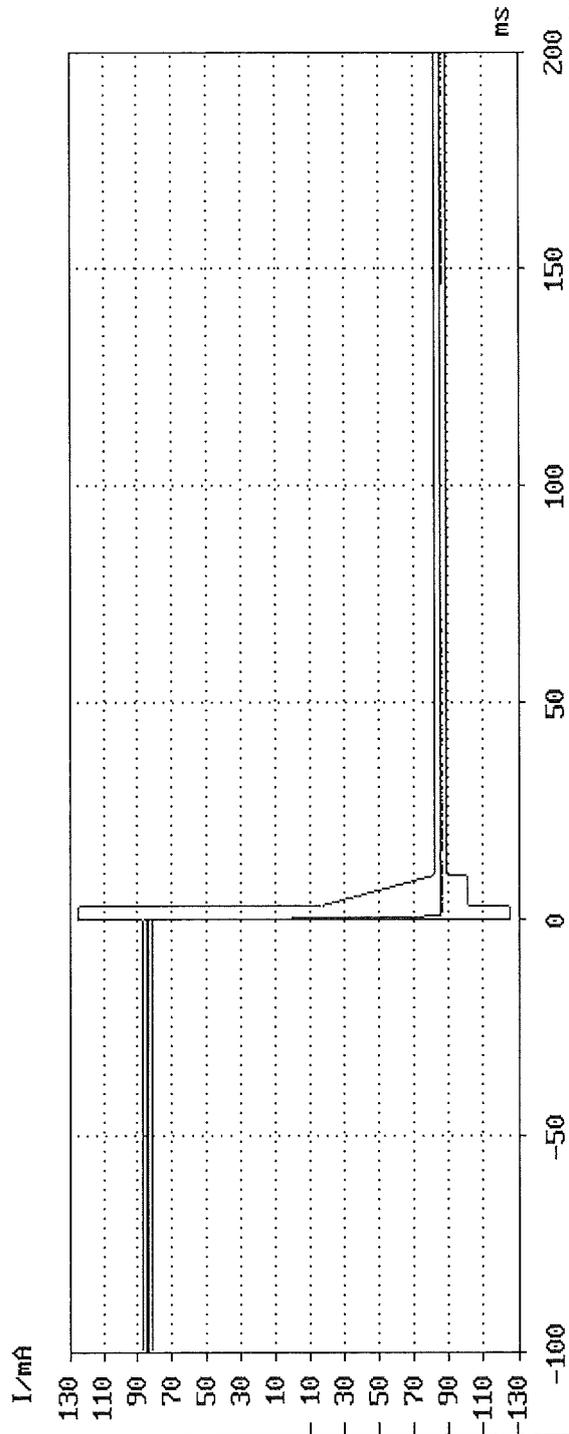
Cycles	Frequency Hz	Ute V	1.Pulse ms	Pulse ms	Pause ms	Answering s
21	25.0	30.0	1000	1000	5000	7.10
21	50.0	30.0	1000	1000	5000	7.11

## AN 12 Immunity to polarity reversals

Model No.	: FAX System 12	Current limitation:	100.0 mA	I1 :	84.49 mA
TEUT	: Facsimile Kit for MFP	Feeding voltage :	50.0 V	I4 :	- 85.21 mA
Manufacturer	: KYOCERA DS Inc.	Drop resistor :	450.0 Ohm		
Number of TEUT	: 214067793	Polarity :	Normal		
Date	: 16.12.15	Measurement Time :	0.1 sec		
Time	: 16:56.37	Data set :	AM12 460 N		
Remark	: -	Requirement :	The current shall be within the limits.		

Mask violations : 0

Verdict : PASS

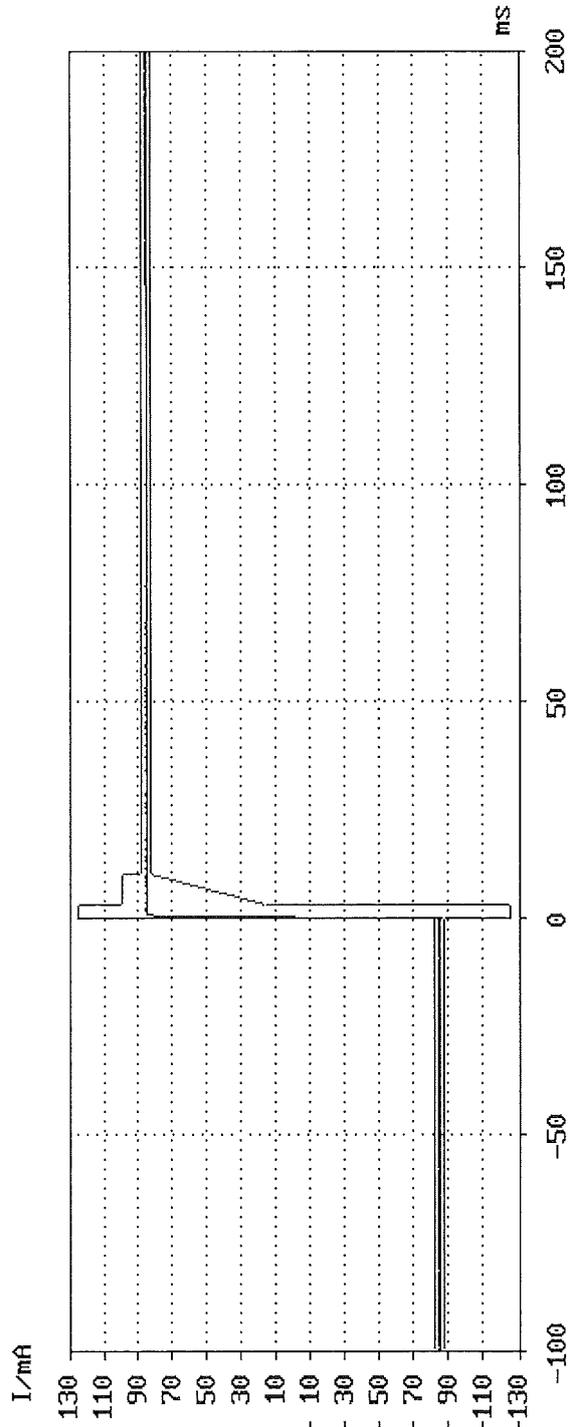


## AN 12 Immunity to polarity reversals

Model No.	: FAX System 12	Current limitation:	: 100.0 mA	I1 :	: - 84.52 mA
TEUT	: Facsimile Kit for MFP	Feeding voltage	: 50.0 V	I4 :	: 85.27 mA
Manufacturer	: KYOCERA DS Inc.	Drop resistor	: 450.0 Ohm		
Number of TEUT	: 214067793	Polarity	: Inverted		
Date	: 16.12.15	Measurement Time	: 0.1 sec		
Time	: 16:57.52	Data set	: AN12 460 I		
Remark	: -	Requirement	: The current shall be within the limits.		

Mask violations : 0

Verdict : PASS



# AN 12 Immunity to polarity reversals

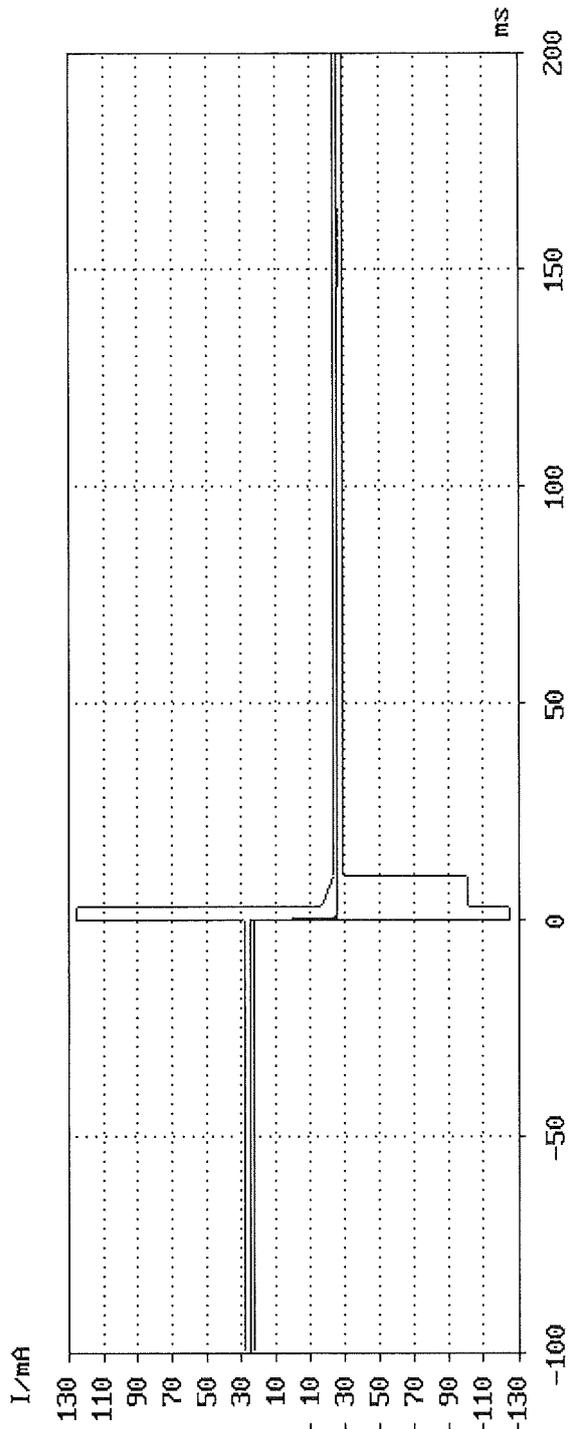
Model No. : FAX System 12  
TEUT : Facsimile Kit for MFP  
Manufacturer : KYOCERA DS Inc.  
Number of TEUT : 214067793  
Date : 16.12.15  
Time : 16:59.07

Current limitation: 100.0 mA I1 : 25.31 mA  
Feeding voltage : 50.0 V I4 : - 25.41 mA  
Drop resistor : 1700.0 Ohm  
Polarity : Normal  
Measurement Time : 0.1 sec  
Data set : AN12 1700 N  
Requirement : The current shall be within the limits.

Remark : -

Mask violations : 0

Verdict : PASS

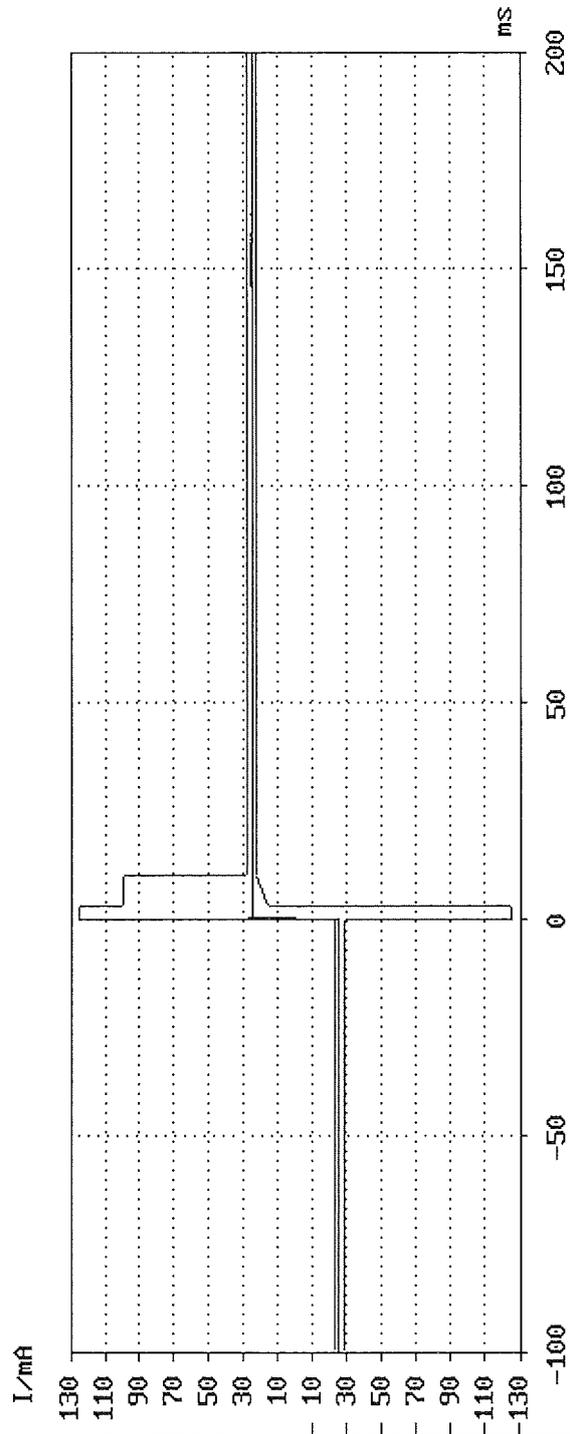


## AN 12 Immunity to polarity reversals

Model No.	: FAX System 12	Current limitation:	100.0 mA	I1 :	- 25.3 mA
TEUT	: Facsimile Kit for MFP	Feeding voltage :	50.0 V	I4 :	25.39 mA
Manufacturer	: KYOCERA DS Inc.	Drop resistor :	1700.0 Ohm		
Number of TEUT	: 214067793	Polarity :	Inverted		
Date	: 16.12.15	Measurement Time :	0.1 sec		
Time	: 17:00.21	Data set :	AN12 1700 I		
Remark	: -	Requirement :	The current shall be within the limits.		

Mask violations : 0

Verdict : PASS



Protocol for Maximum mean sending level

DE03 GR03 NO01 Mean sending level in quiescent state

```
=====
Model No.      : FAX System 12      Feeding voltage  : 50 V
TEUT           : Facsimile Kit for MFP  Current limitation: 80 mA
Number of TEUT: 214067793          Polarity         : Inverted
Manufacturer   : KYOCERA DS Inc.    Feeding resistor : 230 Ω
Date           : 16.12.15          Trigger lev./delay: -50.0 dBV 10 msec
Time           : 17:02.15          Receiver impedance: Zr TBR21
                                           Receiver filter  : BP 200-3800 Hz
                                           Call setup      : outgoing
                                           Gain (internal) : -6.0 dB
=====
```

Data set : DE03 GR03 NO01  
Requirement : The mean sending level shall not be greater than -9.7 dBV

Remark : 0.10Vpp

Verdict : PASS

Mean level  
dBV

- 25.3

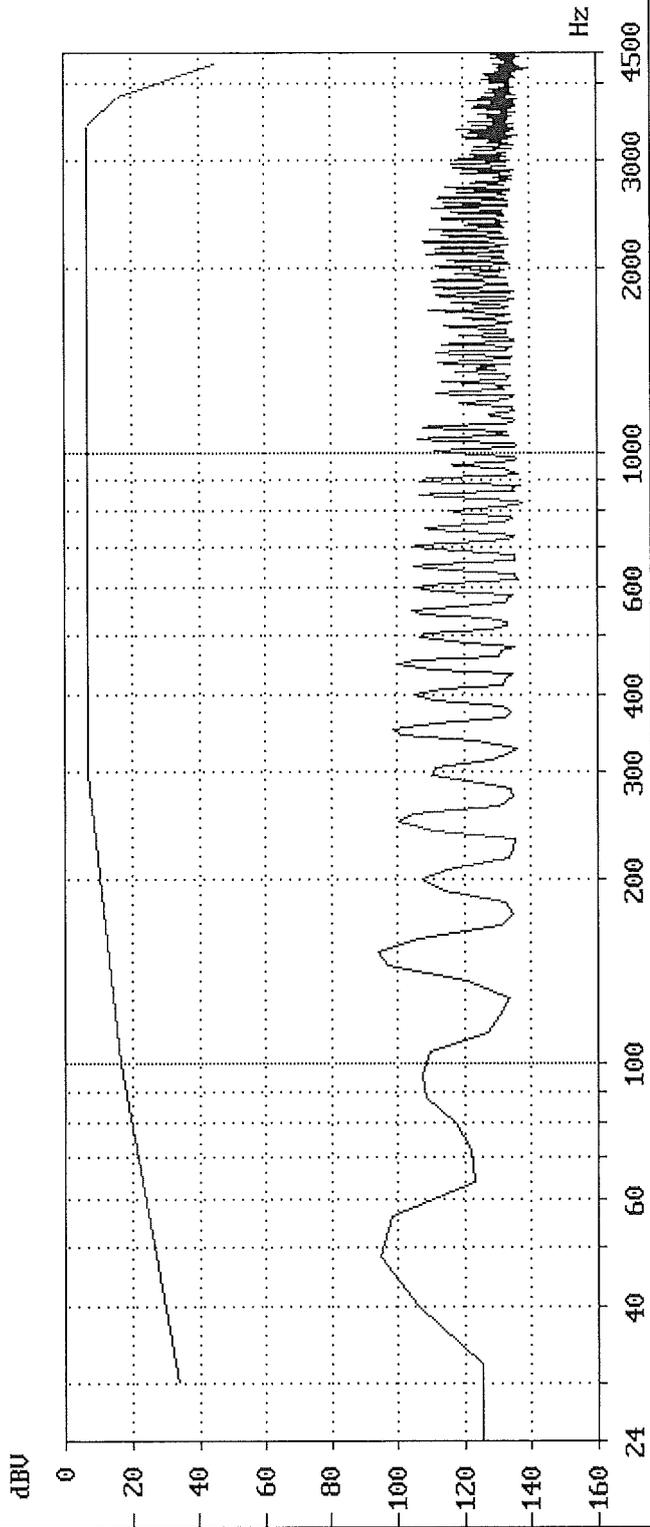
DE03 GR03 N001 Sending level in 10 Hz bandwidth in quiescent state

Model No. : FAX System 12 Feeding voltage : 50.0 V Feeding bridge: TBR21  
 TEUT : Facsimile Kit for MFBT Max. Level : - 94.2 dBV  
 Number of TEUT: 214067793 Polarity : Inverted Frequency : 152 Hz  
 Manufacturer : KYOCERA DS Inc. Feeding resistor : 230.0 Ohm Rx impedance : Zr TBR21  
 Date : 16.12.15 Requirement: The voltage Call setup : outgoing  
 Time : 17:03.55 shall not exceed the limits  
 Data set : DE03 GR03 N001

Remark : -

Mask violation: 0

Verdict : PASS





Protocol for AC/DC Suszeptibility test quiescent condition

DE 04 GR 04 AC/DC Suszeptibility in quiescent state  
 =====

Model No. : FAX System 12  
 TEUT : Facsimile Kit for MFP  
 Number of TEUT: 214067793  
 Manufacturer : KYOCERA DS Inc.  
 Date : 16.12.15  
 Time : 17:10.57

Data Set : DE04 GR04

Requirement : After this test the TE shall still fulfill all remaining requirements.

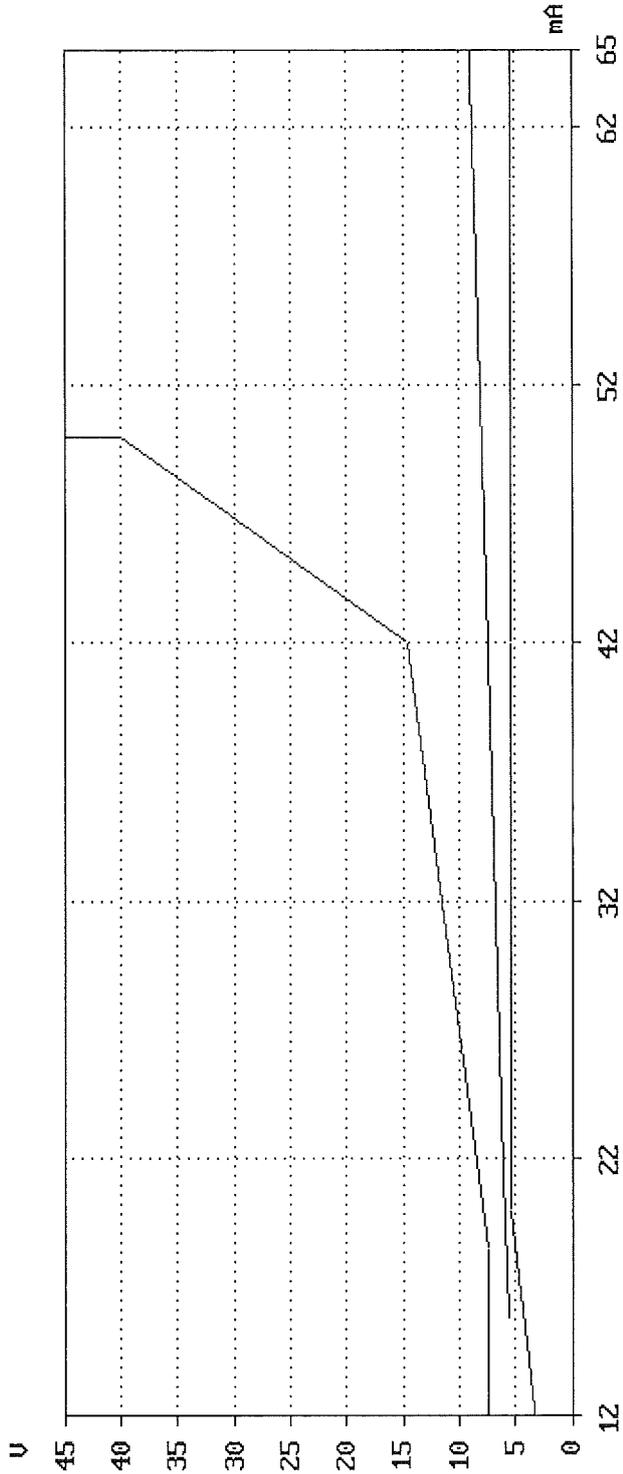
Remark : PASS

Udc [V]	Uac [V]	f [Hz]	R [Ohm]	Polarity	Duration [ms]	Pause [s]
63	75	25	140	Normal	6500	2
85	75	25	1340	Inverted	6500	2
63	75	25	140	Normal	6500	2
85	75	25	1340	Inverted	6500	2

## DE08 N002 ES01 Lower limit of voltage in DC characteristics

Model No. : FAX System 12      Feeding voltage : 50.0 V  
 TEUT : Facsimile Kit for Reading      : 230/850/2050/3200 Ohm  
 Number of TEUT: 214067793      Polarity : normal  
 Manufacturer : KYOCERA DS Inc.      Requirement: The DC characteristic shall not exceed the limits  
 Date : 16.12.15  
 Time : 17:29.39      : DE08 ES01 N002 60mA 2800N  
 Remark : -

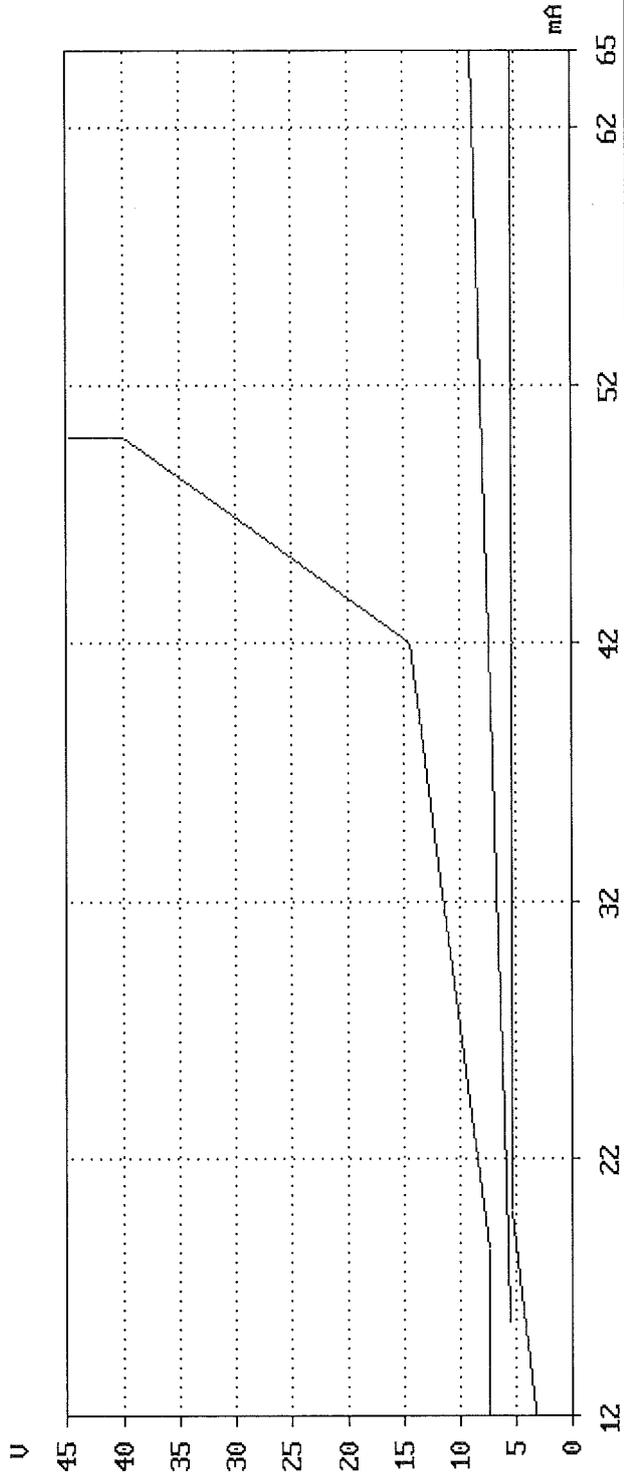
Mask violations: 0      Verdict : PASS



## DE08 N002 ES01 Lower limit of voltage in DC characteristics

Model No. : FAX System 12      Feeding voltage : 50.0 V  
 TEUT : Facsimile Kit for Feeding : 230/850/2050/3200 Ohm  
 Number of TEUT: 214067793      Polarity : inverted  
 Manufacturer : KYOCERA DS Inc.      Requirement: The DC characteristic shall not exceed the limits  
 Date : 16.12.15  
 Time : 17:33.24      Data set : DE08 ES01 N002 60mA 2800I  
 Remark : -

Mask violations: 0      Verdict : PASS



Protocol for DTMF Impedance

DTMF Impedance  
EG 201 121, DE-09

Date : 16.12.15 Feeding bridge : TBR21  
 Time : 17:34.22 Feeding Voltage : 50.0 V  
 Operator : Y. Miura Feeding resistor : 230.0 Ohm  
 Test Job : 214067793 Polarity : Normal  
 TEUT : Facsimile Kit for MFP Trigger level/delay : -20.0 dBV 10 msec  
 Manufacturer: KYOCERA DS Inc. Bridge Impedance Zn: Zr TBR21  
 Audible tone : DialTone  
 Remark : -  
 Verdict : PASS

Digit	Frequency [Hz]	Loss [dB]
3	504	54.1
3	889	42.0
3	1201	37.7
3	1706	35.5
5	576	41.8
5	1009	39.2
5	1105	45.4
5	1538	40.4
5	1706	35.7
7	600	33.1
7	1418	46.4
7	1706	35.5

Protocol for DTMF Impedance

DTMF Impedance  
EG 201 121, DE-09

Date : 16.12.15 Feeding bridge : TBR21  
 Time : 17:40.58 Feeding Voltage : 50.0 V  
 Operator : Y. Miura Feeding resistor : 850.0 Ohm  
 Test Job : 214067793 Polarity : Inverted  
 TEUT : Facsimile Kit for MFP Trigger level/delay : -20.0 dBV 10 msec  
 Manufacturer: KYOCERA DS Inc. Bridge Impedance Zn: Zr TBR21  
 Audible tone : DialTone

Remark : -  
Verdict : PASS

Digit	Frequency [Hz]	Loss [dB]
-------	----------------	-----------

3	504	49.6
3	889	38.8
3	1201	28.8
3	1706	25.8
5	576	47.9
5	1009	39.1
5	1105	46.2
5	1538	39.9
5	1706	36.6
7	600	37.0
7	1418	42.7
7	1706	36.5

Protocol for DTMF Impedance

DTMF Impedance  
EG 201 121, DE-09

Date	: 16.12.15	Feeding bridge	: TBR21
Time	: 17:43.39	Feeding Voltage	: 50.0 V
Operator	: Y. Miura	Feeding resistor	: 2050.0 Ohm
Test Job	: 214067793	Polarity	: Normal
TEUT	: Facsimile Kit for MFP	Triggerlevel/delay	: -20.0 dBV 10 msec
Manufacturer:	KYOCERA DS Inc.	Bridge Impedance Zn:	Zr TBR21
		Audible tone	: DialTone

Remark : -  
Verdict : PASS

Digit	Frequency [Hz]	Loss [dB]
3	504	48.5
3	889	39.1
3	1201	29.4
3	1706	25.3
5	576	44.1
5	1009	27.1
5	1105	23.0
5	1538	31.1
5	1706	39.3
7	600	34.8
7	1418	28.3
7	1706	32.9

Protocol for DTMF Impedance

DTMF Impedance  
EG 201 121, DE-09

Date	: 16.12.15	Feeding bridge	: TBR21
Time	: 17:46.34	Feeding Voltage	: 50.0 V
Operator	: Y. Miura	Feeding resistor	: 3200.0 Ohm
Test Job	: 214067793	Polarity	: Inverted
TEUT	: Facsimile Kit for MFP	Triggerlevel/delay	: -20.0 dBV 10 msec
Manufacturer:	KYOCERA DS Inc.	Bridge Impedance Zn:	Zr TBR21
		Audible tone	: DialTone

Remark : -  
Verdict : PASS

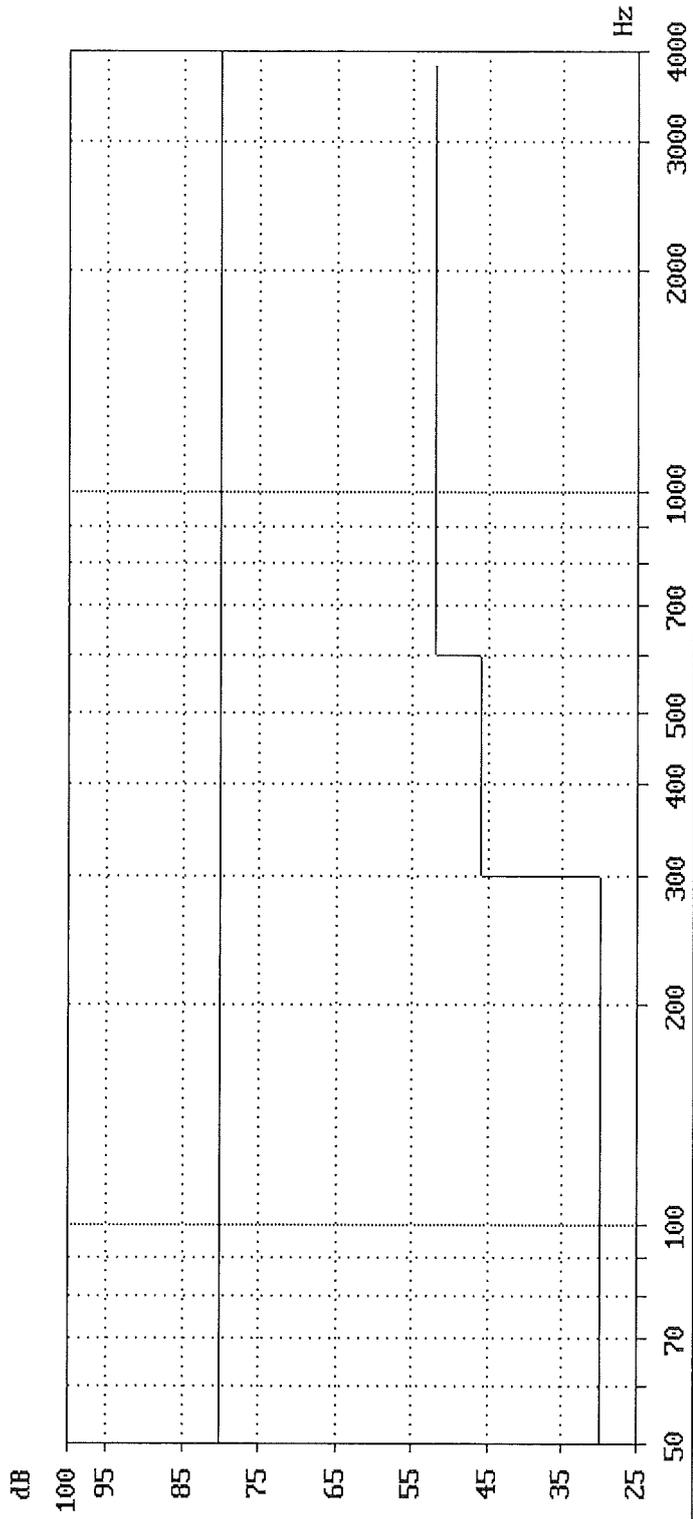
Digit	Frequency [Hz]	Loss [dB]
3	504	44.5
3	889	40.7
3	1201	29.0
3	1706	25.8
5	576	42.9
5	1009	26.3
5	1105	23.4
5	1538	27.5
5	1706	42.5
7	600	33.9
7	1418	27.3
7	1706	31.9

## DE12 Output signal balance for better DTMF signalling

Model No. : FAX System 12      Feeding voltage : 50.0 V      Feeding Bridge: TBR21  
 TEUT : Facsimile Kit for M...      Mask violation: 0  
 Number of TEUT: 214067793      Polarity : Normal      Min. level Uo : -70.0 dBV  
 Manufacturer : KYOCERA DS Inc.      Feeding resistor : 230.0 Ohm      Call setup : outgoing  
 Date : 16.12.15      Requirement : The curve of results shall be greater than the limits  
 Time : 17:52.36      Data set : DE12 230 N

Remark : DTMF 3

Verdict : PASS

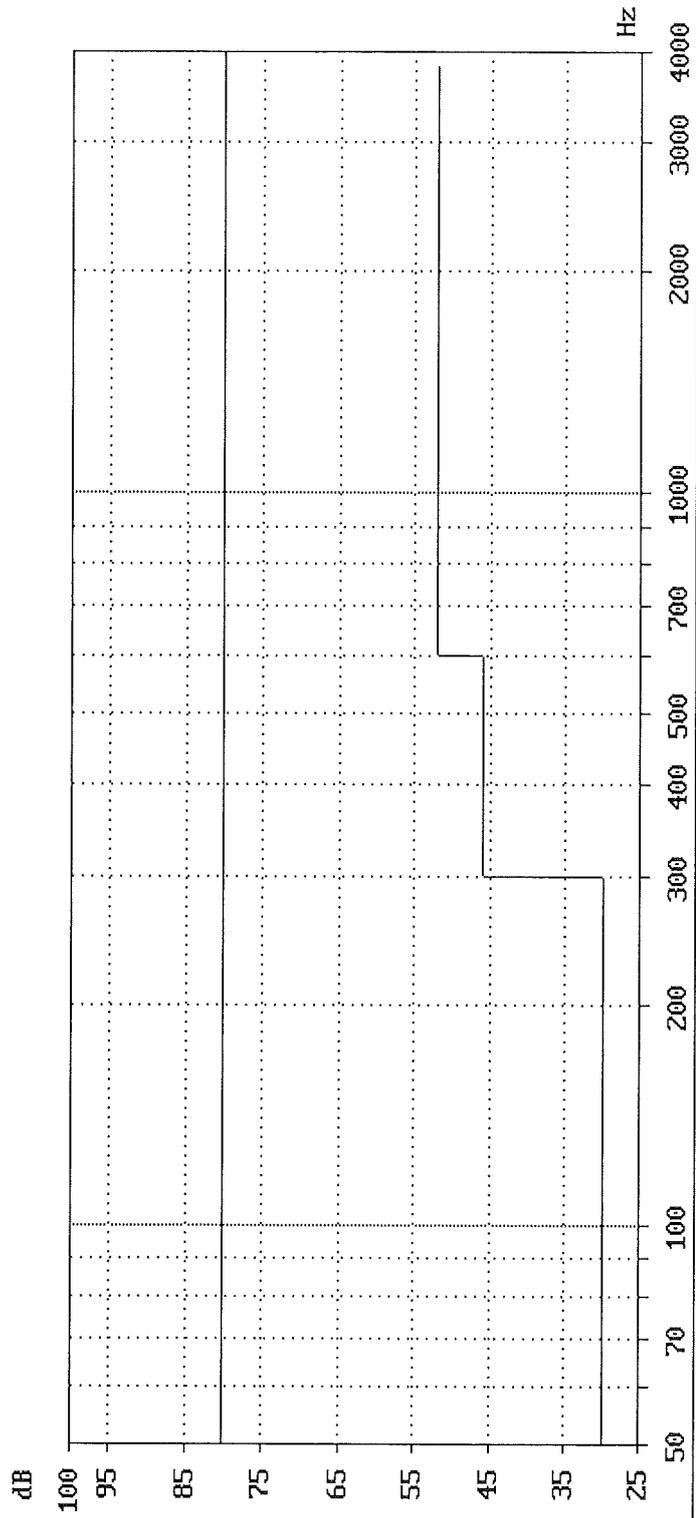


## DE12 Output signal balance for better DTMF signalling

Model No. : FAX System 12      Feeding voltage : 50.0 V      Feeding Bridge: TBR21  
 TEUT : Facsimile Kit for DE12      Current limitation: 80.0 mA      Mask violation: 0  
 Number of TEUT: 214067793      Polarity : Inverted      Min. level Uo : -70.0 dBV  
 Manufacturer : KYOCERA DS Inc.      Feeding resistor : 850.0 Ohm      Call setup : outgoing  
 Date : 16.12.15      Requirement : The curve of results shall be greater than the limits  
 Time : 17:53.50      Data set : DE12 850 I

Remark : DTMF 3

Verdict : PASS

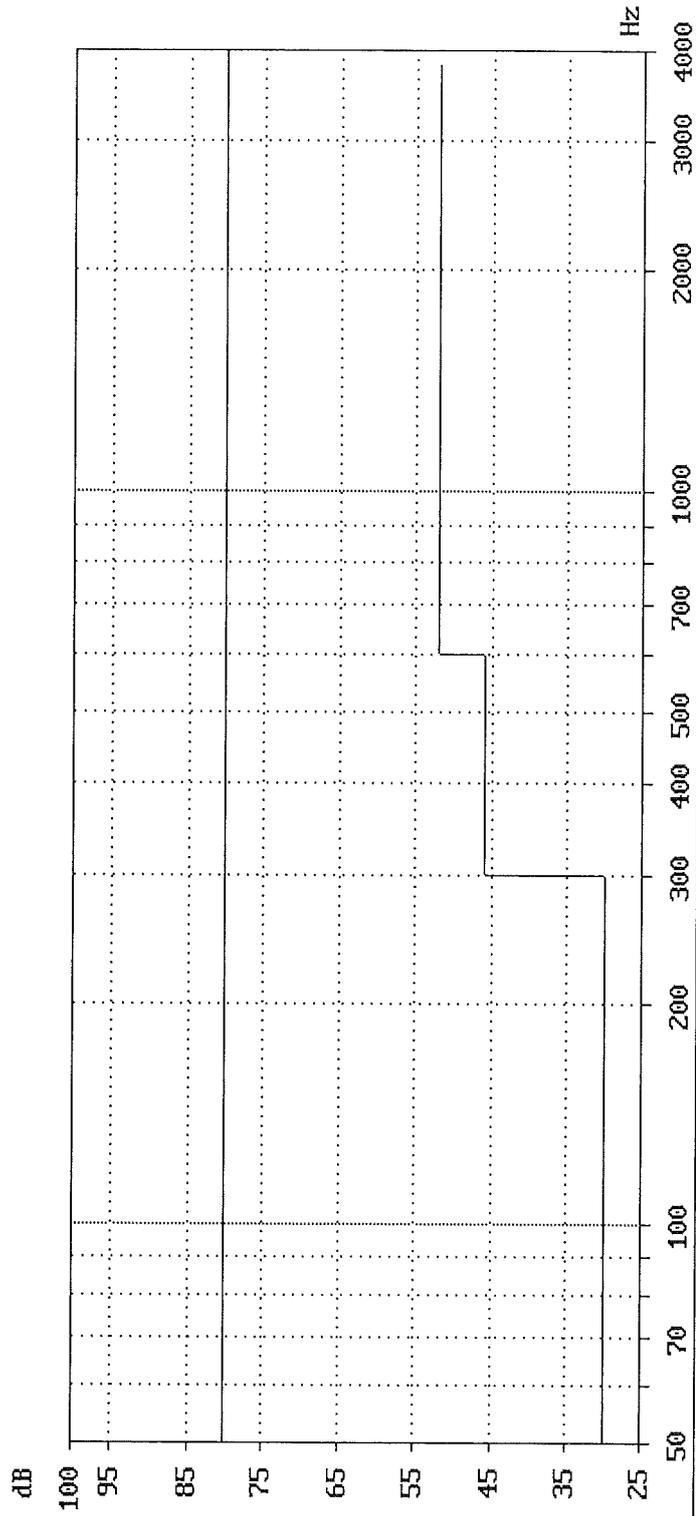


## DE12 Output signal balance for better DTMF signalling

Model No. : FAX System 12      Feeding voltage : 50.0 V      Feeding Bridge: TBR21  
 TEUT : Facsimile Kit for DEUT      Current limitation: 80.0 mA      Mask violation: 0  
 Number of TEUT: 214067793      Polarity : Normal      Min. level Uo : -70.0 dBV  
 Manufacturer : KYOCERA DS Inc.      Feeding resistor : 2050.0 Ohm      Call setup : outgoing  
 Date : 16.12.15      Requirement : The curve of results shall be greater than the limits  
 Time : 17:55.27      Data set : DE12 2050 N

Remark : DTMF 3

Verdict : PASS

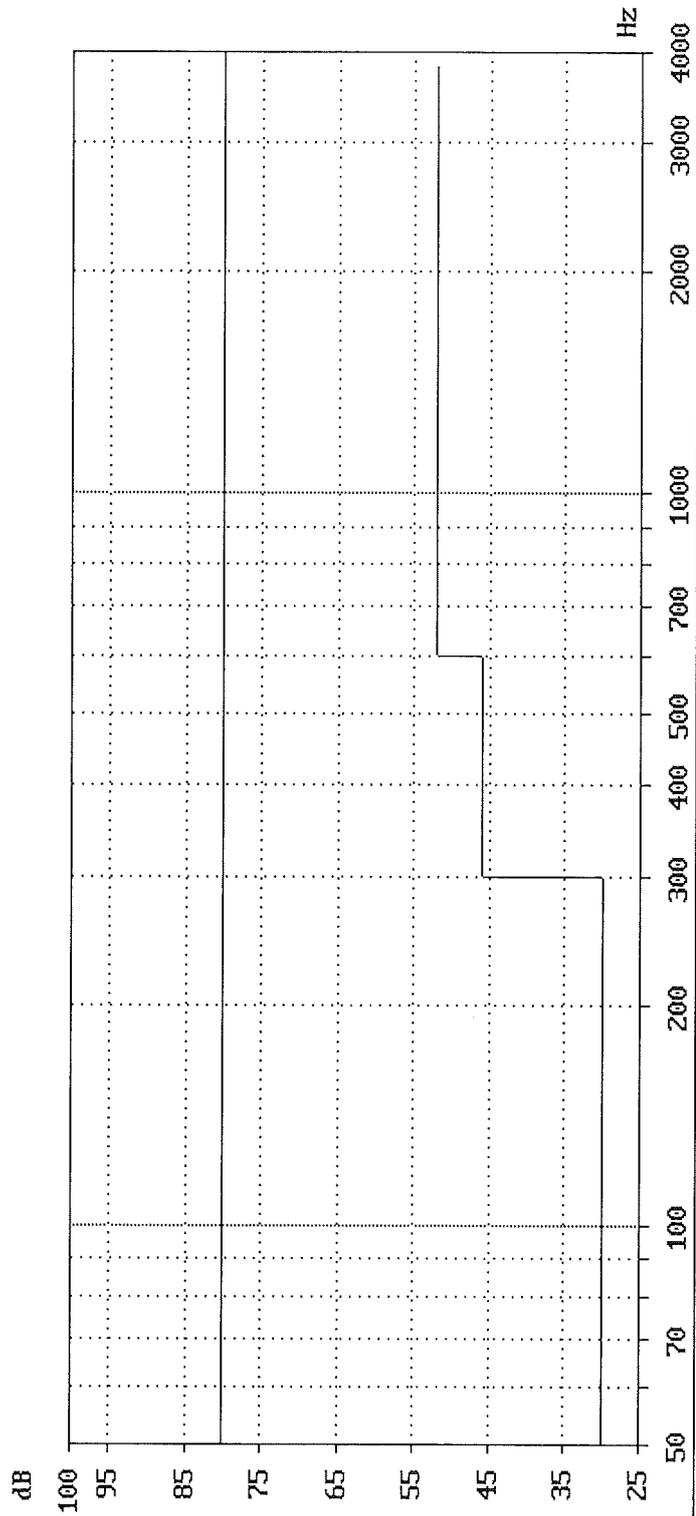


## DE12 Output signal balance for better DTMF signalling

Model No. : FAX System 12      Feeding voltage : 50.0 V      Feeding Bridge: TBR21  
 TEUT : Facsimile Kit for DE12      Current limitation: 80.0 mA      Mask violation: 0  
 Number of TEUT: 214067793      Polarity : Inverted      Min. level Uo : -70.0 dBV  
 Manufacturer : KYOCERA DS Inc.      Feeding resistor : 3200.0 Ohm      Call setup : outgoing  
 Date : 16.12.15      Requirement : The curve of results shall be greater than the limits  
 Time : 17:56.45      Data set : DE12 3200 I

Remark : DTMF 3

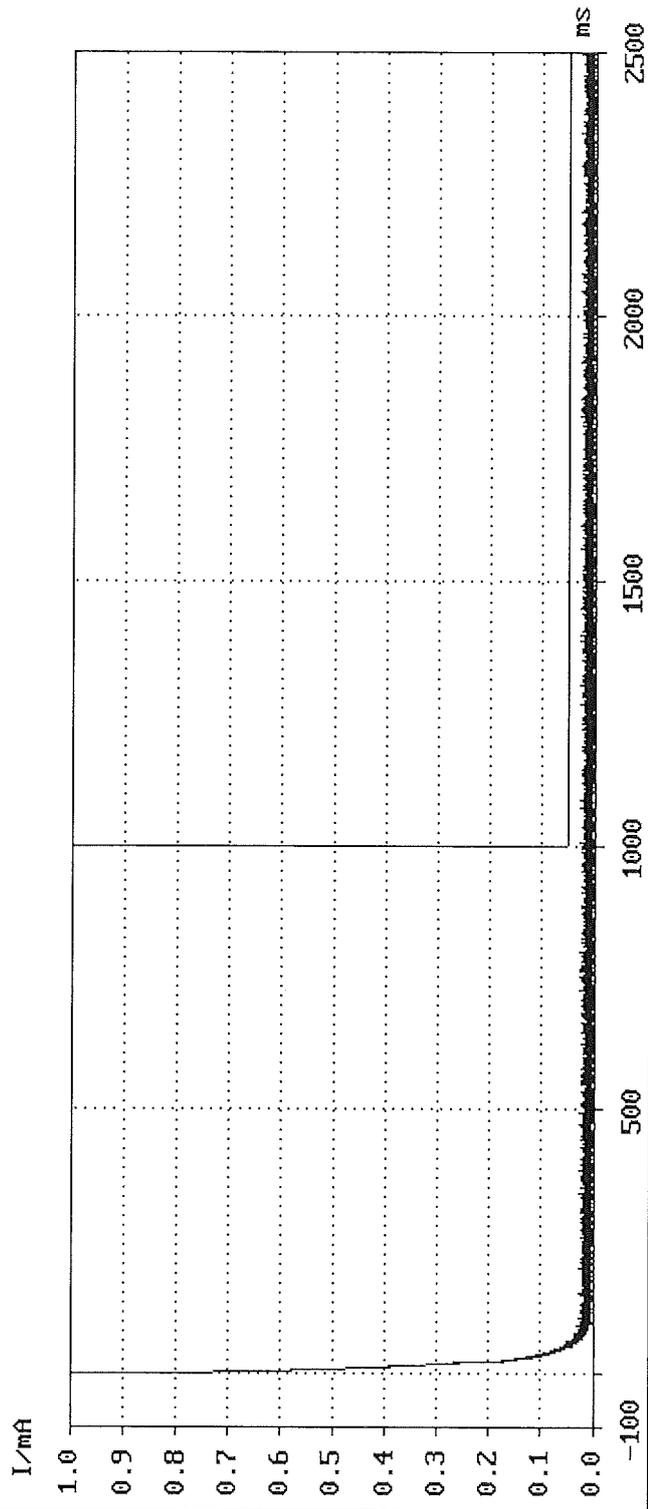
Verdict : PASS



## DE14 Improvement for transition from loop to quiescent

Model No. : FAX System 12      Feeding voltage : 50.0 V      Trigger : OK  
 TEUT : Facsimile Kit for FAXarity      I [mA]: 10.0  
 Number of TEUT: 214067793      Drop resistor : 2050.0 Ohm      Event : 1. neg. Edge  
 Manufacturer : KYOCERA DS Inc.      Delay [ms]: - 100  
 Date : 16.12.15      Requirement : The current shall drop not later than 1s      Sample [ms]: 0.2  
 Time : 17:58.18      Data set : DE14  
 Remark : -

Transient times : 0.0 ms      Verdict : PASS

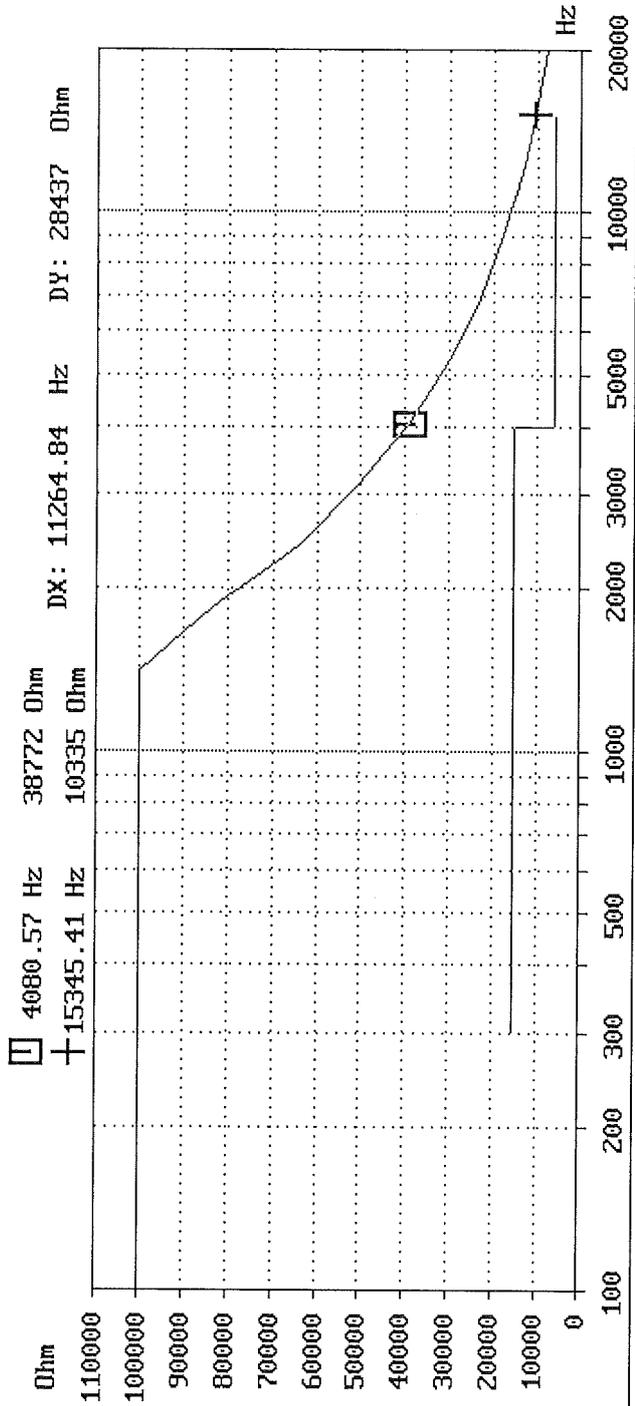


# Modulus of impedance Z(f)

EG 201 121/P-03

Test Job : 214067793  
 TEUT : Facsimile Kit for MFP  
 Manufacturer : KYOCERA DS Inc.  
 Operator : Y. Miura  
 Date : 16.12.15  
 Time : 18:02.18  
 Current Limitation : 100.0 mA  
 Feeding Voltage : 50.0 V  
 Dropping Resistor : 2050.0 Ohm  
 Polarity : Normal  
 Level : +3.5 dBV

Remark : -  
 Mask violations : 0  
 Verdict : PASS

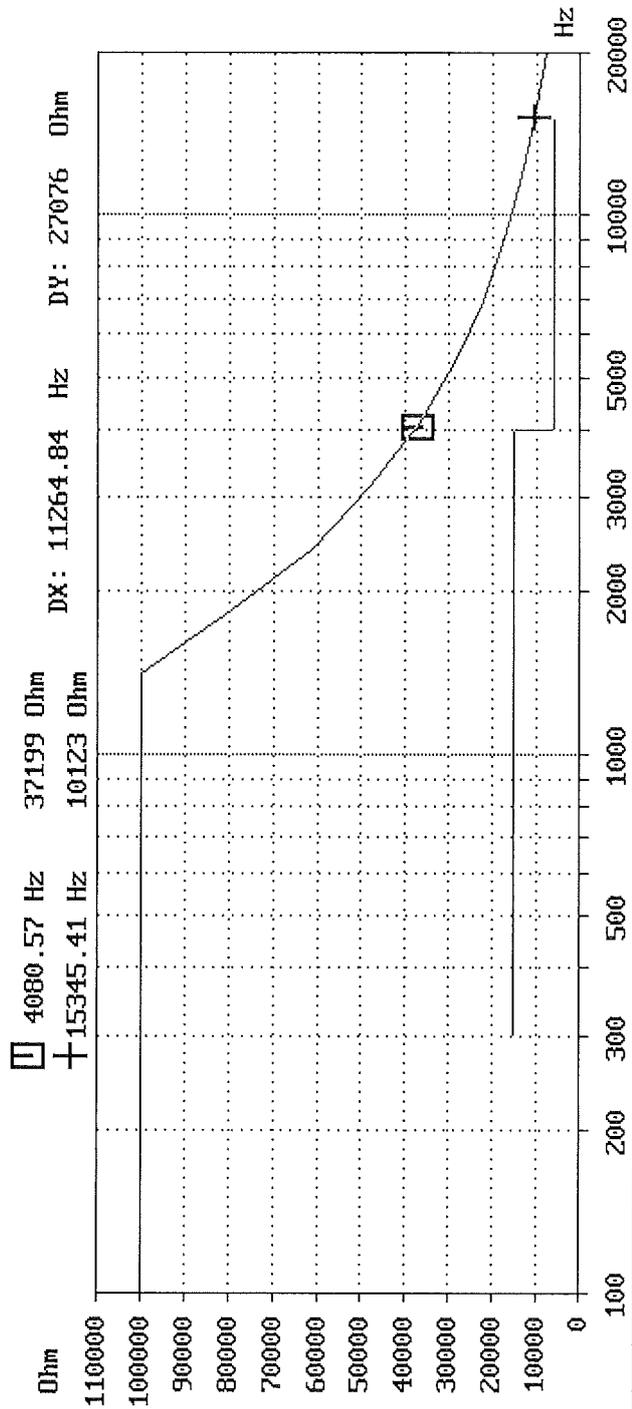


# Modulus of impedance Z(f)

EG 201 121/P-03

Test Job	: 214067793	Current Limitation	: 100.0 mA
TEUT	: Facsimile Kit for MFP	Feeding Voltage	: 50.0 V
Manufacturer	: KYOCERA DS Inc.	Dropping Resistor	: 2050.0 Ohm
Operator	: Y. Miura	Polarity	: Inverted
Date	: 16.12.15	Level	: +3.5 dBV
Time	: 18:04.12		

Remark : -  
 Mask violations : 0  
 Verdict : PASS



---

**Prüfbericht - Nr.:**  
*Test Report No.:*

50035644 002

---

**Anlage B**  
Appendix B

**Produktbeschreibung**  
Description of Equipment

Refer to test report 50035644 001.

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**Prüfbericht - Nr.:**  
*Test Report No.:*

50035644 002

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**Anlage C**  
Appendix C

**Schaltpläne**  
Circuit diagrams

Refer to test report 50035644 001.

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**Prüfbericht - Nr.:**  
*Test Report No.:*

50035644 002

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**Anlage D**  
Appendix D

**Fotos**  
Photographs

Refer to test report 50035644 001.