

BSIA 21CN TESTING RESULTS

Test date	Manufacturer	CPE model	CPE Serial No	Signalling Format	Total RTD to induce failure	21CN Compatibility	General Comments
18/3/09	CSL Dualcom Ltd	CS2300 Dualcom GPRS (White)	N/A	Fast Format Extended	334ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/3/09	CSL Dualcom Ltd	CS2300 Dualcom GPRS (Red 30volt)	N/A	Fast Format Extended	2021ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
17/3/09	CSL Dualcom Ltd	CS2300 Dualcom GPRS (Red 12volt)	N/A	Fast Format Extended	2087ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message format. Receiver line loss @ both 0db & 15db
17/3/09	CSL Dualcom Ltd	CS2000 Dualcom GSM	N/A	Fast Format Extended	335ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message format. Receiver line loss @ both 0db & 15db
17/3/09	CSL Dualcom Ltd	CS1000 Dualcom Plus	N/A	Fast Format Extended	2022ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message format. Receiver line loss @ both 0db & 15db
17/3/09	CSL Dualcom Ltd	CS1000 Dualcom Mk2	N/A	Fast Format Extended	437ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message format. Receiver line loss @ both 0db & 15db
17/3/09	CSL Dualcom Ltd	CS1000 Dualcom Mk1	N/A	Fast Format Extended	437ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message format. Receiver line loss @ both 0db & 15db
18/3/09	Dycon Ltd	3021	Version 6	Fast Format Extended	1361ms	Pass	Tested at Swansea using digital delay unit. Tested single message format only. Receiver line loss @ both 0db & 15db
18/3/09	Dycon Ltd	3021	Version 6	Contact ID	1282ms	Pass	Tested at Swansea using digital delay unit. Tested single message format only. Receiver line loss @ both 0db & 15db

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18/3/09	Dycon Ltd	D1100-00 Digi	Version 6001	Fast Format	444ms	Pass	Tested at Swansea using digital delay unit. Tested single message format only. Receiver line loss of 15db only
18/3/09	Dycon Ltd	D1100-00 Digi	Version 6002	Fast Format	431ms	Pass	Tested at Swansea using digital delay unit. Tested single message format only. Receiver line loss of 15db only
18/3/09	Dycon Ltd	D1100-00 Digi	Version 6003	Fast Format	911ms	Pass	Tested at Swansea using digital delay unit. Tested single message format only. Receiver line loss of 15db only
18/3/09	Dycon Ltd	Solo (Digi converter)		Fast Format	2230ms+	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 24	Version 2.04	Fast Format	464ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 24	Version 2.04	SIA 2	1493ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 24	Version 2.04	Contact ID	1189ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 24	New software	Fast Format	774ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 24	New software	Fast Format Extended	774ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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18/5/09	Texecom Ltd	Premier 24	New software	SIA 2	1493ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 24	New software	Contact ID	1189ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 48 / 88 / 168		Fast Format	554ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 48 / 88 / 168		SIA 3	1494ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 48 / 88 / 168		Contact ID	1178ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 640		Fast Format	550ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 640		SIA 3	1494ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 640		Contact ID	1187ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 832		Fast Format	462ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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18/5/09	Texecom Ltd	Premier 832		SIA 3	1493ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/5/09	Texecom Ltd	Premier 832		Contact ID	1144ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	ATS 1003	Version 04-10-03	SIA 3 Ext	2425ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	ATS 3003	Version 04-09-10	SIA 3 Ext	2125ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	ATS 3003	Version 04-09-10	Contact ID	920ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	RD6203 Digi	Version 6.17	Fast Format	487ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	RD6203 Digi	Version 6.17	Fast Format Extended	487ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	RD6203 Digi	Version 6.17	SIA 3 Ext	705ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	RD6203 Digi	Version 6.17	Contact ID	479ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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20/4/09	GE Security Ltd	TD8803 Digi	Version 1.5.7	Fast Format	1320ms	Pass	Tested at Swansea using digital delay unit. Tested on single message format. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	TD8803 Digi	Version 1.5.7	SIA 3 Ext	2128ms	Pass	Tested at Swansea using digital delay unit. Tested on single message format. Receiver line loss @ both 0db & 15db
20/4/09	GE Security Ltd	TD8803 Digi	Version 1.5.7	Contact ID	1822ms	Pass	Tested at Swansea using digital delay unit. Tested on single message format. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 2 series with Integrated PSTN Modem	Version 1.44	Fast Format	535ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 2 series with Integrated PSTN Modem	Version 1.44	SIA 3	2230ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 2 series with Integrated PSTN Modem	Version 1.44	Contact ID	1169ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 3 series & dimension with Integrated PSTN Modem	Version 6.1	Fast Format Extended	2246ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 3 series & dimension with Integrated PSTN Modem	Version 6.1	Fast Format	2228ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 3 series & dimension with Integrated PSTN Modem	Version 6.1	SIA 3	1123MS	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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6/8/09	Honeywell	Galaxy 3 series & dimension with Integrated PSTN Modem	Version 6.1	Contact ID	1172MS	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy with E602 Ext. Telecom module	Version 6.1	Fast Format	2220ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy with E602 Ext. Telecom module	Version 6.1	Fast Format Extended	2249ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy with E602 Ext. Telecom module	Version 6.1	SIA 3	1130ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy with E602 Ext. Telecom module	Version 6.1	Contact ID	1169ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 16 plus	N/A	Fast Format	2229ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
6/8/09	Honeywell	Galaxy 16 plus	N/A	SIA 0	1132ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
31/3/09	Cooper Security	Scantronic 8400UK-01	105364-7	Fast Format	300ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
31/3/09	Cooper Security	Scantronic 8400UK-21	105348-7	Fast Format	875ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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Test date	Manufacturer	CPE model	CPE Serial No	Signalling Format	Total RTD to induce failure	21CN Compatibility	General Comments
27/5/09	Risco group	GT595	N/A	Fast Format	1120ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	GT595	N/A	SIA 3	880ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	GT595	N/A	Contact ID	1120ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	816 / 872 V8.6 Digi modem	Digi modem Version 2.4	Fast Format	630ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	816 / 872 V8.6 Digi modem	Digi modem Version 2.4	Contact ID	638ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Agility	Version 1.68	SIA 1	990ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Agility	Version 1.68	Contact ID	1200ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	FreeCom GP	N/A	Fast Format	800ms	Pass	Tested at Swansea using digital delay unit. Tested on single message only. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	GT 490 - CPX	Version 2.5	Fast Format	1120ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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27/5/09	Risco group	GT 490 - CPX	Version 2.5	SIA 3	880ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	GT 490 - CPX	Version 2.5	Contact ID	1120ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Pro Digi	Version 3	Fast Format	806ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Pro Digi	Version 3	Contact ID	1049ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Prosys 040-0128	N/A	SIA 1	1800ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Prosys 040-0128	N/A	Contact ID	1800ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Wisdom	Version 4.27	SIA 1	1800ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
27/5/09	Risco group	Wisdom	Version 4.27	SIA 1	1800ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Enforcer	Version 1	Fast Format	1372ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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29/7/09	Pyronix / Castle-Care Tech	Enforcer	Version 1	Fast Format Extended	1372ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Enforcer	Version 1	SIA 3	2228ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Enforcer	Version 1	Contact ID	1372ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 6	Fast Format	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 6	Fast Format Extended	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 6	SIA 3	1925ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 6	Contact ID	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 7	Fast Format	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 7	Fast Format Extended	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 7	SIA 3	1925ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 1 76 (Digi arm plug in)	Version 7	Contact ID	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 30	Version 7	Fast Format	1372ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 30	Version 7	Fast Format Extended	1372ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 30	Version 7	SIA 3	2228ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 30	Version 7	Contact ID	1372ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 44 G3+	V5 Comm 9600	Fast Format	623ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db

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29/7/09	Pyronix / Castle-Care Tech	Euro 44 G3+	V5 Comm 9600	Fast Format Extended	623ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 44 G3+	V5 Comm 9600	SIA 3	1925ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 44 G3+	V5 Comm 9600	Fast Format	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 134	V4 Comm 9600	Fast Format	630ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 134	V4 Comm 9600	Fast Format Extended	623ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 134	V4 Comm 9600	SIA 3	1925ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
29/7/09	Pyronix / Castle-Care Tech	Euro 134	V4 Comm 9600	Contact ID	972ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ 15db
18/6/09	Europlex	3GS DM1200	N/A	Fast Format	2022ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/6/09	Europlex	3GS DM1200	N/A	SIA 1	1629ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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18/6/09	Europlex	3GS DM1200	N/A	Contact ID	2022ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/6/09	Europlex	SigNET Pro / SigNET 300	N/A	Fast Format	1218ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/6/09	Europlex	SigNET Pro / SigNET 300	N/A	SIA 1	2234ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/6/09	Europlex	SigNET Pro / SigNET 300	N/A	Contact ID	1220ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/6/09	Europlex	SigNET Pro / SigNET 300	N/A	SIA 1 & 2 Ext.	2229ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/8/09	Visonic	PowerMax 433	N/A	Fast Format	1176ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/8/09	Visonic	PowerMax 433	N/A	SIA 2	1230ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/8/09	Visonic	PowerMax 433	N/A	Contact ID	1176ms	Pass	Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

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18/8/09	Visonic	PowerMax Pro	N/A	Fast Format	650ms	Pass	experienced failure on a 20C - 21CN routing at -10db loss and greater. All other compatibility tests passed. Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/8/09	Visonic	PowerMax Pro	N/A	SIA 2	1213ms	Pass	experienced failure on a 20C - 21CN routing at -10db loss and greater. All other compatibility tests passed. Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db
18/8/09	Visonic	PowerMax Pro	N/A	Contact ID	1194ms	Pass	experienced failure on a 20C - 21CN routing at -10db loss and greater. All other compatibility tests passed. Tested at Swansea using digital delay unit. Tested both single & follow on message. Receiver line loss @ both 0db & 15db

Whilst every effort has been made to ensure that the results are full and reliable, the BSIA cannot accept any liability for the accuracy of the results or responsibility for any reliance upon the results. The tests, which gave rise to the results were dependent upon British Telecoms technical equipment and were carried out by each contributing manufacturer themselves.]