Amphenol

TEST REPORT

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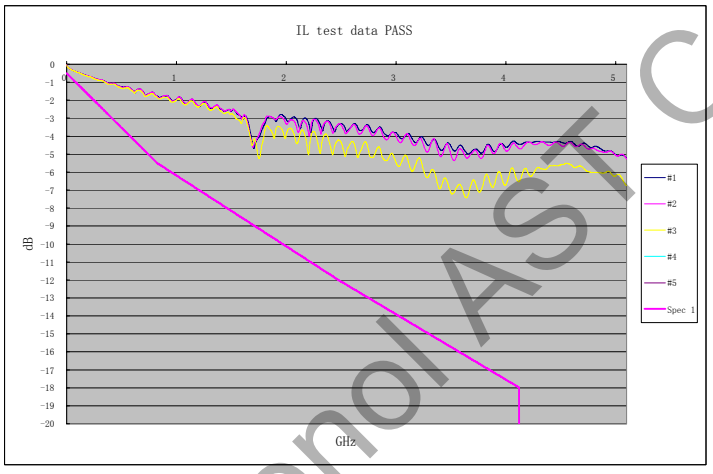
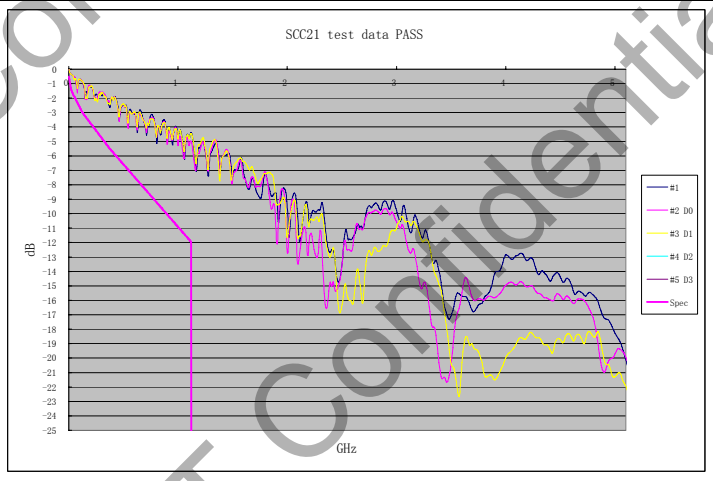
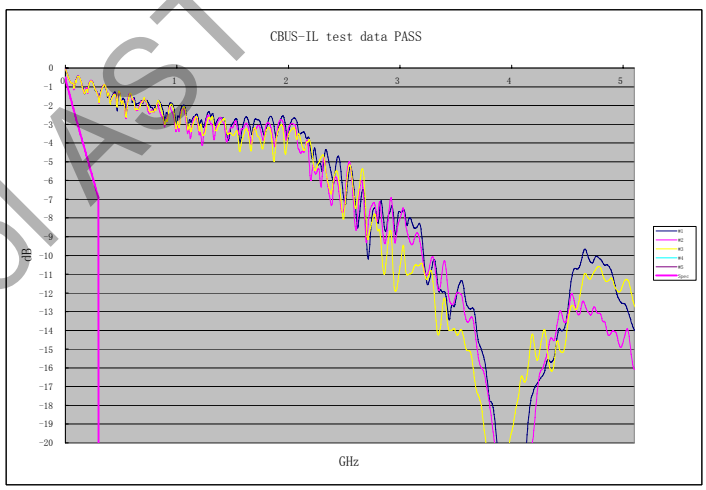
REPORT No.	FAI-12458	TEST DESCRIPTION	ELECTRICAL TEST

1. TEST PURPOSE
Evaluate the electrical performance of HDMI cable assembly.
2. TEST DESCRIPTION
P/N:RHMUB-0007 HDMI to MHL cable ass'y ,3pcs.
3. TEST REQUIREMENT AND PROCEDURE
See the data record table according to HML specification
4. TEST EQUIPMENT
4.1 TEKTRONIX TDS8000 + TEKTRONIX 80E04 for Impedance ,common-mode and skew test.
4.2 Agilent N5230A for SDD21,SCC21,SCD21, FEXT ,test.
5. TEST RESULT AND RECORD
Temperature:24.5 ℃ Humidity: 56.7%

Sample No.	Signal	Differential Impedance(Risetime=200ps, 20%~80%)											SDD21	SCC21	SCD21	CBUS-IL	FEXT&MHL-VCBUS	FEXT&CBUS-VBUS	RESULT
		Transition area						Cable Absolute area		common-mode connection area(Risetime=600ps, 20%~80%)	common-mode transition area	DifferentialIntra-pair skew	CBUS&VBUS Delay						
		HDMI			MHL														
	Wire	MAX	MIN	Duration of connector termination within 100+/-25 ohm, <250ps	MAX	MIN	Duration of connector termination within 125 to 65ohm, <250ps	MAX	MIN	MAX	MIN								
	Unit	Ohm	Ohm		Ohm	Ohm		Ohm	Ohm	Ohm	Ohm	ps	ns	dB	dB	dB	dB	dB	dB	
	High Limit	115	115		115	115		110	110	36	35	43	35	See the test data						
	Lower Limit	85	85		85	85		90	90	26	25	0	0							
#1	D0	98.5	91.2	/	95.8	87.6	220.0	97.6	95.8	31.2	27.7	22.5	4.305	OK	OK	OK	OK	OK	OK	PASS
#2	D0	98.6	90.0	/	95.7	88.2	260.0	97.4	95.6	31.9	27.8	21.4	4.327	OK	OK	OK	OK	OK	OK	PASS
#3	D0	98.6	92.7	/	95.7	87.8	310.0	97.4	95.8	30.0	27.6	25.2	4.344	OK	OK	OK	OK	OK	OK	PASS







PREPARED BY	DATE	APPROVED BY	DATE
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