

Amphenol

Test Report

REPORT No.

FAI-27540

TEST DESCRIPTION

ELECTRICAL TEST

1. TEST PURPOSE

Evaluate the electrical performance of sample assembly.

2. TEST DESCRIPTION

P/N:RHS36-2582(ID_S16010233 Minerva AX2-00 30AWG)HD Mini SAS to SFF-8639 SAS cable ass'y sample,2pcs.

3. TEST REQUIREMENT AND PROCEDURE

See the data record table according to 12G spec

4. TEST EQUIPMENT

4.1 TEKTRONIX DSA8300 + TEKTRONIX 80E04 for Impedance test

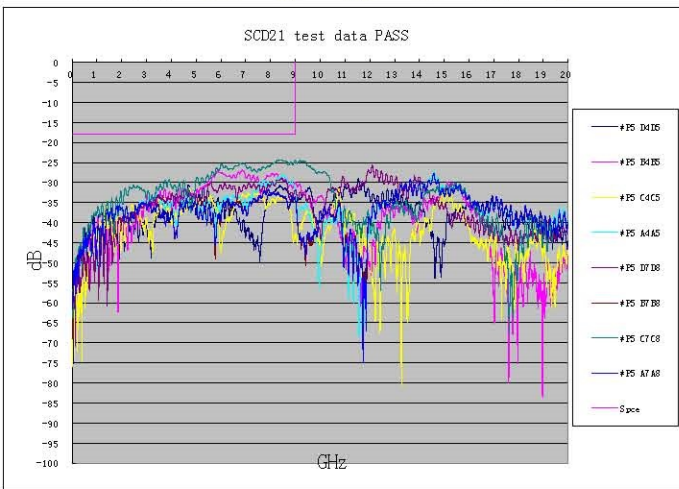
4.2 Agilent N5230A for scd21,scd22,sdd21,sdd22,NEXT test.

5. TEST RESULT AND RECORD

Temperature:23.2℃

Humidity: 58.5 %

Sample No.	Signal	Impedance(Risetime=70ps, 20%~80%)						scd21	scd22	sdd21	sdd22	NEXT	scd21-sdd21	ICR	RESULT
		Differential impedance													
		Termination area				Cable Absolute area									
		HD MiniSAS		SFF-8639		MAX	MIN								
Wire	MAX	MIN	MAX	MIN	MAX	MIN									
Unit	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	dB	dB	dB	dB	dB	dB	dB		
High Limit	115	115	115	115	110	110	See the test data								
Lower Limit	85	85	85	85	90	90									
#1	A4A5	101.2	90.7	99.8	90.9	100.3	99.6	OK	OK	OK	OK	OK	OK	OK	PASS
	B4B5	102.5	95.3	100.8	93.6	100.7	100.2								
	C4C5	102.0	94.6	100.1	90.8	100.6	100.0								
	D4D5	103.2	93.9	99.9	90.4	100.3	99.6								
	D7D8	101.9	93.1	99.9	90.5	101.1	99.8								
	B7B8	101.7	93.7	100.1	89.3	100.3	100.0								
	C7C8	101.4	94.8	100.1	90.5	100.5	100.0								
	A7A8	101.3	91.7	99.9	90.6	100.5	99.9								
MAX	103.2	95.3	100.8	93.6	101.1	100.2									
MIN	101.2	90.7	99.8	89.3	100.3	99.6									
AVERAGE	101.9	93.5	100.1	90.8	100.5	99.9									



PREPARED BY

DATE

APPROVED BY

DATE

Yu Weiyang

2016-01-14

Smith Wu

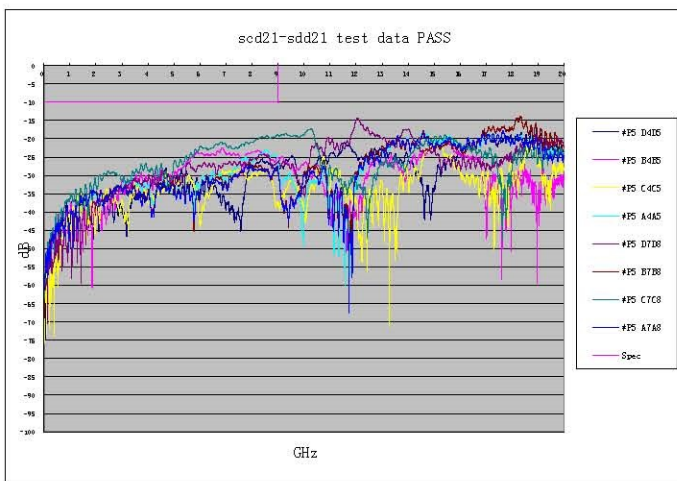
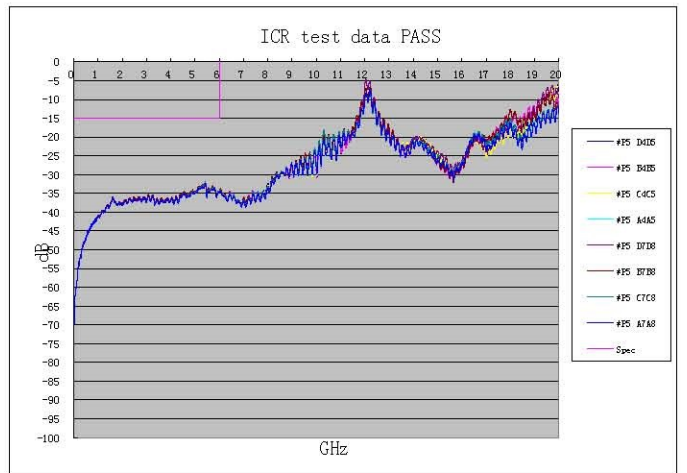
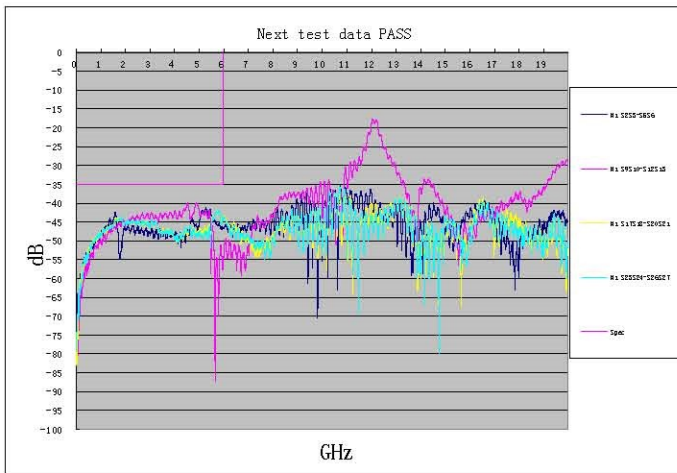
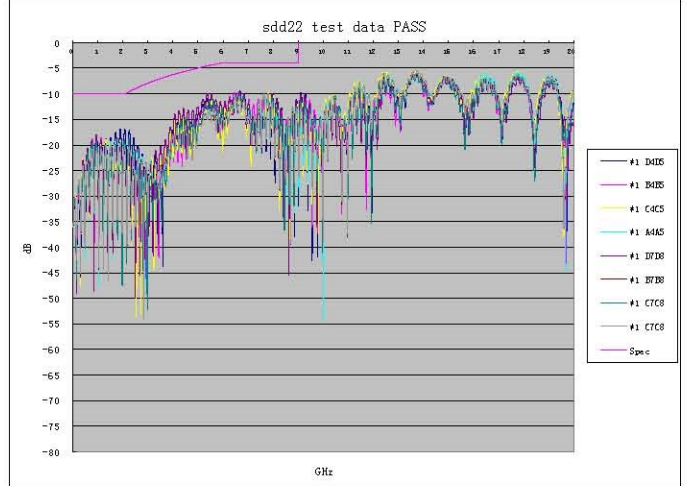
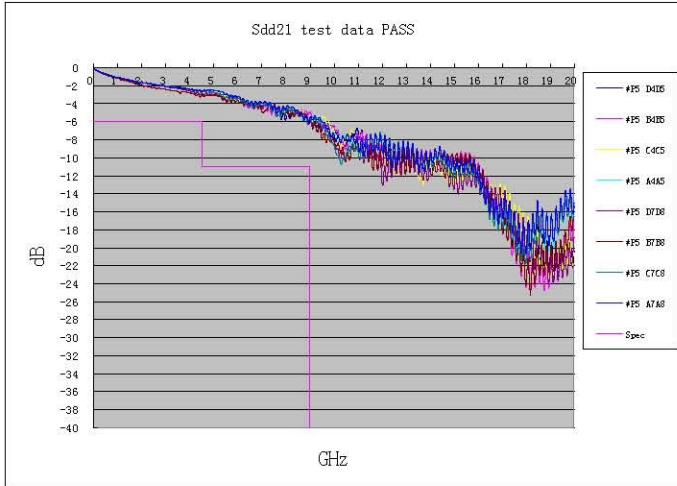
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6. TEST RESULT

All sample PASS the electrical test.

----- THE END OF REPORT -----

PREPARED BY	DATE	APPROVED BY	DATE
Yu Weiyang	2016-01-14	Smith Wu	2016-01-14