ACTA DE ENTREGA No. 007
MEJORAMIENTO DE REDES DE DATOS

CONTRATISTA	UNE EPM TELECOMUNICACIONES NIT. 900 092 385 - 9	**Periodo de Ejecución**	2025
CONTRATANTE	ALCALDÍA DISTRITAL DE BARRANQUILLA NIT. 890 102 018 - 1	**Número del contrato:**	CD-05-2025-7099
		Supervisor del contrato	Jorge Elías Salah Llanes
Objeto del Contrato:	CONTRATO INTERADMINISTRATIVO PARA LA ADECUACIÓN Y MEJORAMIENTO DE REDES PARA ATENDER LOS REQUERIMIENTOS Y NECESIDADES DE LAS INSTITUCIONES EDUCATIVAS DEL DISTRITO ESPECIAL, INDUSTRIAL Y PORTUARIO DE BARRANQUILLA, DE CONFORMIDAD CON EL LINEAMIENTO TÉCNICO DE CONECTIVIDAD ESCOLAR DEL MINISTERIO DE EDUCACIÓN NACIONAL	**Fecha Acta de Inicio:**	13/11/2025
		Número de Pólizas:	65-44-101243937, 65-40-101084539

I. DESCRIPCIÓN DE LA SEDE EDUCATIVA

NOMBRE DE LA SEDE EDUCATIVA	INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA
CÓDIGO DANE DE LA SEDE	108001003190
DIRECCIÓN	KR 29 #70B-60

II. DESCRIPCIÓN DEL TRABAJO REALIZADO

Se realizó la instalación de 11 puntos de acceso (APs) completos, incluyendo su respectivo cableado estructurado en FUTP categoría 6A, canalización en tubería EMT de 3/4, garantizando una adecuada distribución de la red inalámbrica en la sede. Como parte del mejoramiento de la infraestructura, se realizó la organización del rack existente 1, incorporando un herraje liso de 24 puertos y un swich de 8 puertos del cual salen 5 APs, al igual que el rack existente 2, incorporando un herraje liso de 24 puertos y un swich de 8 puertos del cual salen 6 APs, optimizando así la gestión, conectividad y eficiencia de la red.

1) MATERIALES UTILIZADOS PARA EL TRABAJO:

A continuación, se describen los materiales utilizados:

Item	Material	Marca y Modelo	Serial	Cantidad
1	SUMINISTRO E INSTALACIÓN DE TUBERÍA EMT 3/4" DE ACERO GALVANIZADO CON UNA LONGITUD DE 3 METROS, TUBOS FUJI TIPO CONDUCTO, SON TUBOS DE SECCIÓN CIRCULAR, CON COSTURA PARA LA CONDUCCIÓN DE CABLES. INCLUYENDO TRANSPORTE Y LOGÍSTICA.	FUJI		80
2	SUMINISTRO E INSTALACIÓN DE CONECTORES EMT 3/4" DE ACERO GALVANIZADO. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	FUJI		49
3	SUMINISTRO E INSTALACIÓN DE UNION EMT 3/4" DE ACERO GALVANIZADO. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	FUJI		95
4	SUMINISTRO E INSTALACIÓN DE CURVA GALVANIZADA PARA TUBERÍA EMT DE 3/4". INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	FUJI		24
5	SUMINISTRO E INSTALACIÓN DE GRAPAS GALVANIZADAS DOBLE OREJA PARA FIJAR LA TUBERÍA DE 3/4". INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	FUJI		185
18	SUMINISTRO E INSTALACIÓN DE CAJAS RAWELT RECTANGULAR 2X4 PULGADAS CON 2 SALIDAS DE 3/4" Y PROTECCIÓN PARA INTEMPERIE. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	VIE ELECTRONICOS RAWELT		18
20	SUMINISTRO E INSTALACIÓN DE CAJAS DE DISTRIBUCIÓN SOBREPUESTAS TERMOPLÁSTICAS DE COLOR BLANCO CON DIMENSIONES DE 10X10X4 CM CON TAPA. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	DEXON		18

30	SUMINISTRO E INSTALACIÓN DE CABLE **F/UTP** DE PAR TRENZADO CATEGORÍA 6A, 100% COBRE, BASE 10/100/1000/10000 **BLINDADO**, CON CAPA LSZH, CALIBRE 23. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA. (EN OFICINA O SALA DE INFORMATICA POR CANALETA) **POR CABLE**	COMMSCOPE		445mts
32	SUMINISTRO E INSTALACIÓN DE FACEPLATE BLANCO DOBLE PARA CONECTAR JACK RJ45 DE CATEGORÍA CAT6 O 6A. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	ADIER		11
34	SUMINISTRO E INSTALACIÓN DE JACK PONCHABLE RJ45 DE CATEGORÍA CAT6A BLINDADO. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	COMMSCOPE		22
35	CERTIFICACION DE PUNTO LOGICO (EL EQUIPO DEBE CONTAR CON CERTIFICADO DE CALIBRACION VIGENTE)			11
37	SUMINISTRO E INSTALACIÓN DE PATCH CORD DE 2 METROS DE LONGITUD, UTP DE PAR TRENZADO CATEGORÍA 6A BLINDADO, 100% COBRE, BASE 10/100/1000/10000, Y CON CAPA LSZH. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	COMMSCOPE		24
41	SUMINISTRO E INSTALACIÓN DE TORNILLOS ESTRELLA AGLOMERADOS, TIPO DRYWALL, CON PUNTA FINA Y DIMENSIONES DE 1/4 PULGADAS Y 2 PULGADAS DE LARGO. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.			480
42	SUMINISTRO E INSTALACIÓN DE CHAZOS DE 1/4 PULGADAS EN PLÁSTICO, ADECUADOS PARA PAREDES TIPO ESTRIADO. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.			480
43	SUMINISTRO E INSTALACIÓN DE AMARRES DE COLOR BLANCO, CON DIMENSIONES DE 430 MM X 4.8 MM. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.			1

47	SUMINISTRO E INSTALACIÓN DE MARQUILLAS AUTOADHESIVAS PLASTIFICADAS, INCLUYENDO 2 UNIDADES PARA FACEPLATE. INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.	DYMO		44
51	SUMINISTRO, INSTALACIÓN Y CONFIGURACIÓN DE ACCESS POINT INDOOR, WIFI 7; 2.4GHZ, 5GHZ, 6GHz, 10/100/1000, POE, ADMINISTRABLE, INCLUYENDO ACCESORIOS, MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA. **Ubiquiti U7-Lite Compact ceiling-mounted WiFi 7 AP with 4 sp + Ubiquiti UACC-PoE+-2.5G 2.5G PoE+ Adapter 30W An adapter t**	UNIFI U7-Lite	1C0B8BF46BEE 1C0B8BF437A4 8C30664CA04D 1C0B8BF4289E 1C0B8BF419D4 1C0B8BF428A4 1C0B8BF45415 1C0B8BF45340 1C0B8BF46ABF 1C0B8BF4541B 1C0B8BF4557D	11
111	SUMINISTRO E INSTALACIÓN DE Smart Switch POE administrado en la nube gigabit de 8 ptos	RG-ES210GS-P	G1U8277003843 G1U8277002429	2
114	SUMINISTRO E INSTALACIÓN DE Herraje Patch Panel 24 puertos	COMMSCOPE		2
116	SUMINISTRO E INSTALACIÓN DE CAJA 12X12X5, INCLUYENDO MANO DE OBRA CALIFICADA, TRANSPORTE Y LOGÍSTICA.S	TERCOL		5

2) VALIDACIONES POR PARTE DEL SUPERVISOR Y EL REPRESENTANTE DE LA SEDE (CUMPLIMIENTO DEL LINEAMIENTO TÉCNICO DE LA ESTRATEGIA DE CONECTIVIDAD ESCOLAR)

✓	Verificación de materiales y equipos utilizamos
✓	Pruebas de funcionalidad de la solución y equipos instalados

3) OBSERVACIONES:

Se entrega y se recibe satisfactoriamente el trabajo realizado, así como los equipos entregados con la solución.

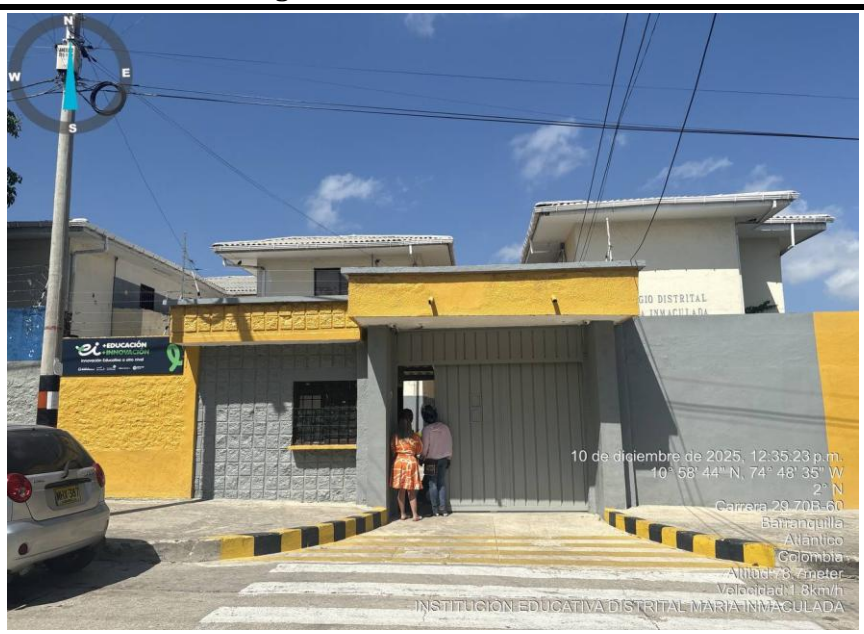
Firma representante de la IED	**Firma Supervisor**
Nombre: Ana María Henríquez de Vizcaíno **Cargo:Rectora** **Teléfono:3014528263** **Correo Electrónico:rectoria@iedmariainmaculada.edu.co**	**Nombre: Jorge Elias Salah Llanes** **Cargo: Supervisor del contrato** **Teléfono: 3002895032** **Correo Electrónico: Jorge.salah@sedbarranquilla.edu.co**

Introduce el texto aquí

Firma Contratista Campo	Firma por Contratista
Nombre: Stefany Llorente **Cargo: Coordinadora de Proyecto** **Teléfono: 3128435158** **Correo Electrónico: Skame087@gmail.com**	**Nombre: Adriana Rodríguez** **Cargo: Especialista de Proyectos y Soluciones** **Teléfono: 3011389888** **Correo Electrónico: aro@mail.tigo.com.co**

III. REGISTRO FOTOGRÁFICO:

1) Foto de la fachada del colegio



2) Foto del personal técnico mientras realiza el trabajo







3) Antes y Despues

Foto del Estado actual del área a intervenir	Foto del estado como quedó el área intervenida
	

4) Foto Individual de equipos instalados










6 de mayo de 2026, 11:59:37 a.m.
N 10° 58' 46.786", W 74° 48' 35.902"
136° SE
Carrera 29 70B-60
Barranquilla
83.2 m.s.n.m.
Velocidad:0.5km/h
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA


6 de mayo de 2026, 12:11:00 p.m.
N 10° 58' 46.311", W 74° 48' 35.539"
1° N
Carrera 30 70B-10
Barranquilla
84.0 m.s.n.m.
Velocidad:0.0km/h
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA

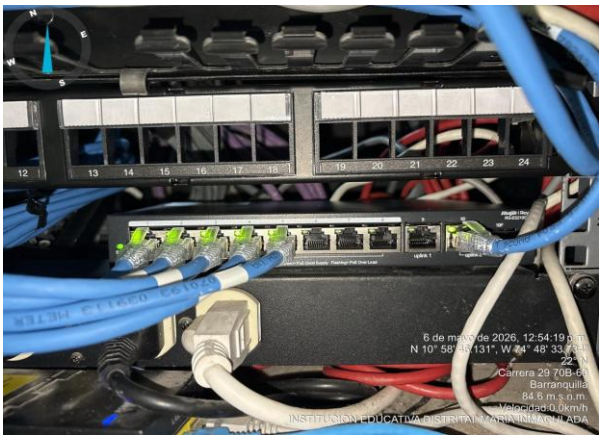

6 de mayo de 2026, 11:39:05 a.m.
N 10° 58' 46.627", W 74° 48' 33.948"
205° W
Carrera 30 70B-10
Barranquilla
84.3 m.s.n.m.
Velocidad:0.7km/h
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA

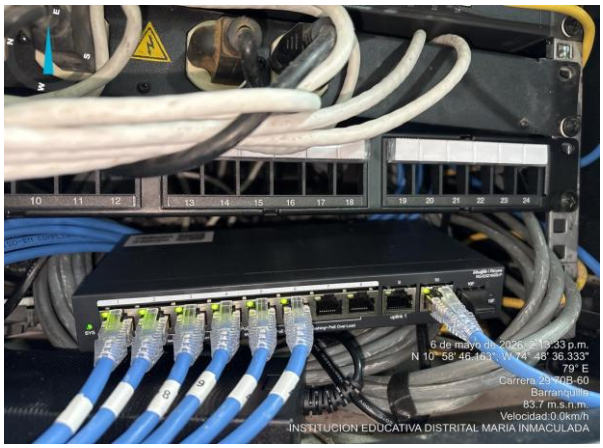

6 de mayo de 2026, 11:00:09 a.m.
N 10° 58' 45.704", W 74° 48' 32.804"
134° SE
Carrera 29 70B-60
Barranquilla
72.0 m.s.n.m.
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA


6 de mayo de 2026, 1:36:21 p.m.
N 10° 58' 45.734", W 74° 48' 37.178"
115° SE
Carrera 29 70B-60
Barranquilla
83.8 m.s.n.m.
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA


6 de mayo de 2026, 1:19:35 p.m.
N 10° 58' 45.687", W 74° 48' 36.476"
141° SE
Carrera 29 70B-60
Barranquilla
83.6 m.s.n.m.
Velocidad:0.0km/h
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA

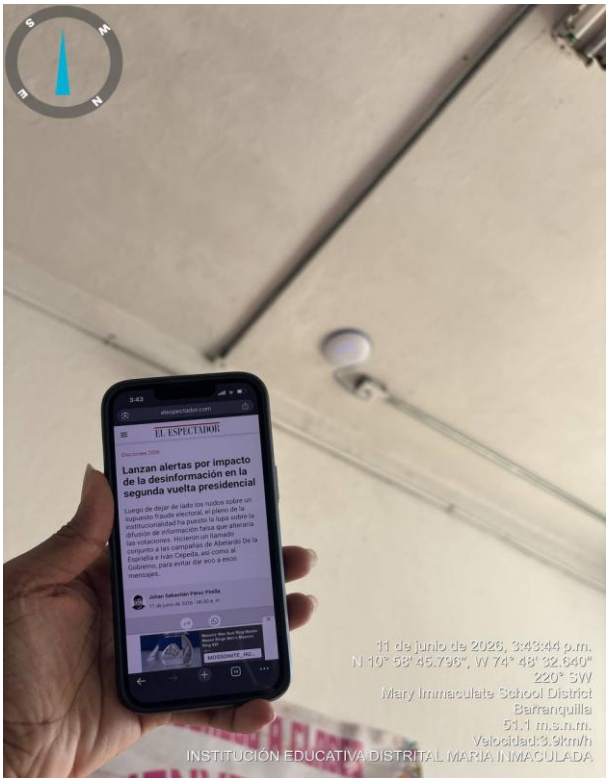

6 de mayo de 2026, 1:25:55 p.m.
N 10° 58' 45.522", W 74° 48' 35.980"
111° NE
Carrera 29 70B-60
Barranquilla
83.6 m.s.n.m.
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA

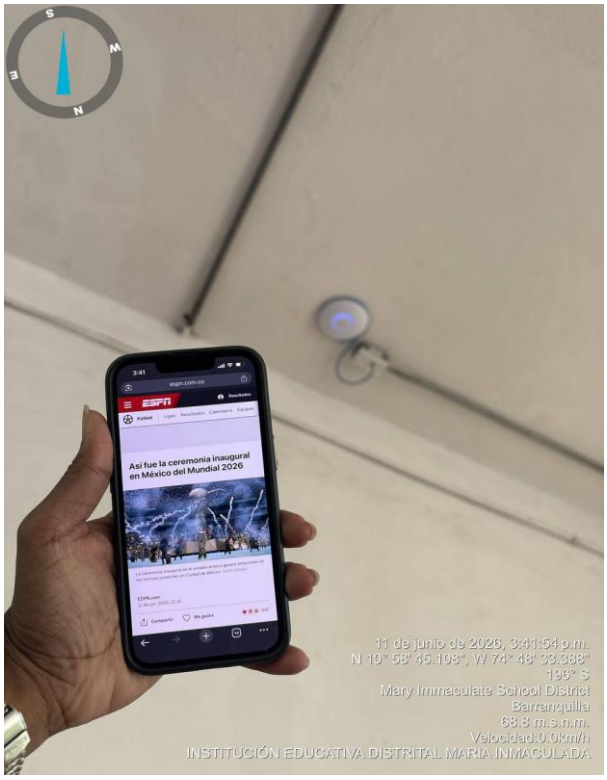

6 de mayo de 2026, 12:54:19 p.m.
N 10° 58' 46.131", W 74° 48' 33.
29° N
Carrera 29 70B-60
Barranquilla
84.6 m.s.n.m.
Velocidad:0.0km/h
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA

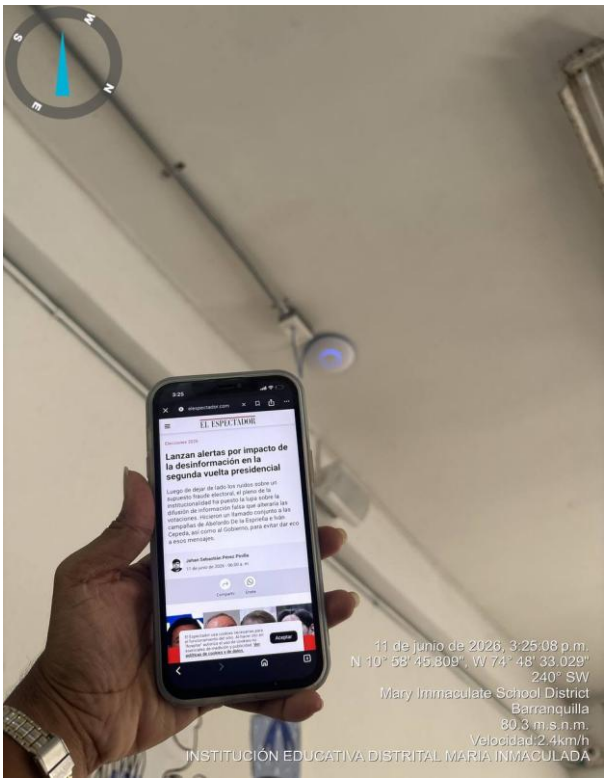

6 de mayo de 2026, 2:13:33 p.m.
N 10° 58' 46.163", W 74° 48' 36.333"
79° E
Carrera 29 70B-60
Barranquilla
83.7 m.s.n.m.
Velocidad:0.0km/h
INSTITUCION EDUCATIVA DISTRITAL MARIA INMACULADA

5) Prueba de funcionamiento

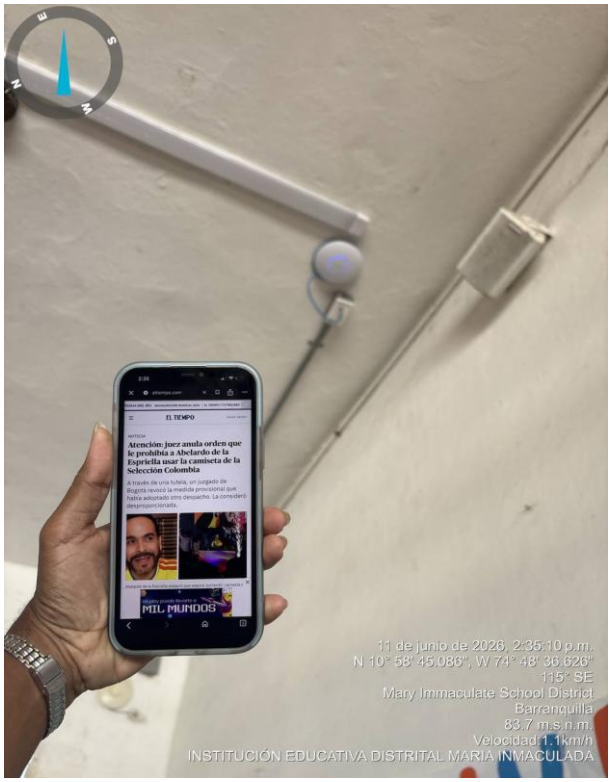


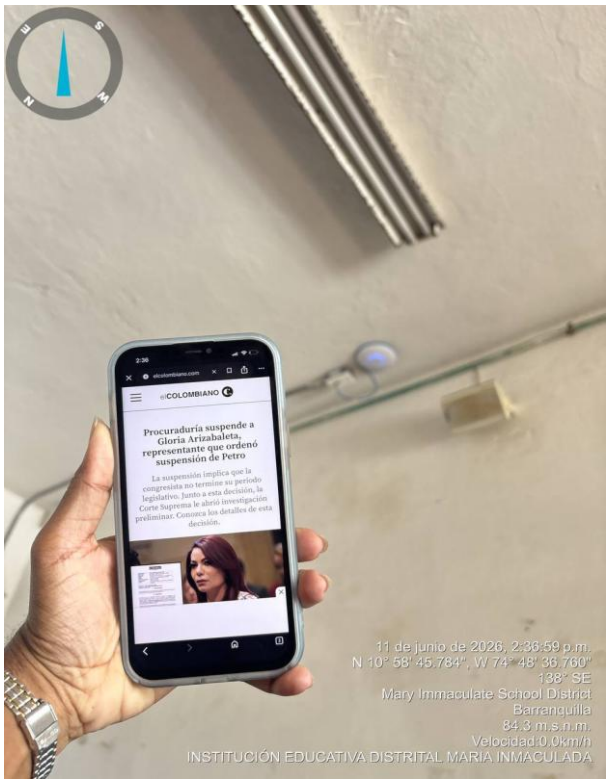




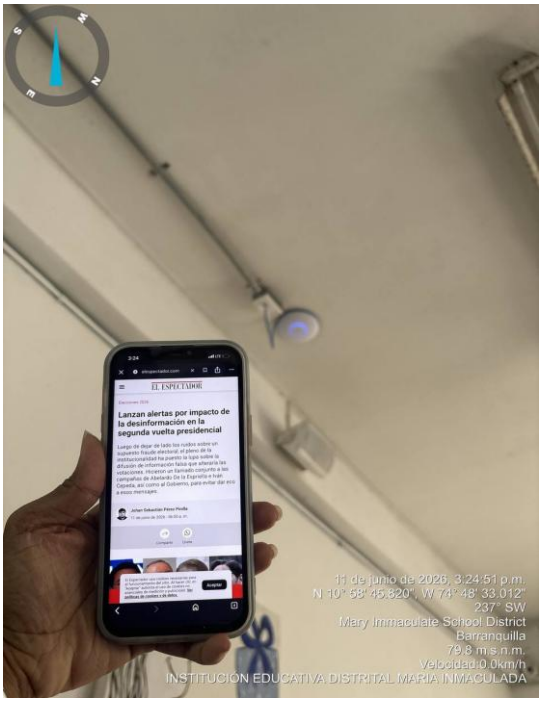


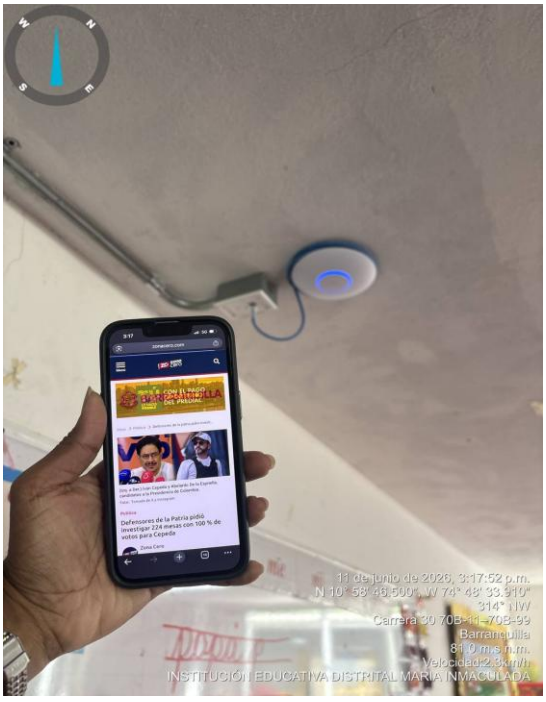

Inauguración del Mundial 2026 y México vs. Sudáfrica, en vivo: resultado, goles y más
Lo que debes saber
11 de junio de 2026, 2:31:47 p.m.
N 10° 58' 45.458", W 74° 48' 36.598"
21° N
Mary Immaculate School District
Barranquilla
84.0 m.s.n.m.
INSTITUCIÓN EDUCATIVA DISTRITAL MARIA INMACULADA


EL TIEMPO
Atención: juez anula orden que le prohibía a Abelardo de la Espriella usar la camiseta de la Selección Colombia
MIL MUNDOS
11 de junio de 2026, 2:35:10 p.m.
N 10° 58' 45.086", W 74° 48' 36.626"
115° SE
Mary Immaculate School District
Barranquilla
83.7 m.s.n.m.
Velocidad 1.1km/h
INSTITUCIÓN EDUCATIVA DISTRITAL MARIA INMACULADA


EL COLOMBIANO
Procuraduría suspende a Gloria Arizabaleta, representante que ordenó suspensión de Petro
La suspensión implica que la congresista no termine su período legislativo. Junto a esta decisión, la Corte Suprema le abrió investigación preliminar. Conozca los detalles de esta decisión.
11 de junio de 2026, 2:36:59 p.m.
N 10° 58' 45.784", W 74° 48' 36.760"
138° SE
Mary Immaculate School District
Barranquilla
84.3 m.s.n.m.
Velocidad 0.0km/h
INSTITUCIÓN EDUCATIVA DISTRITAL MARIA INMACULADA


EL PAÍS
ELECCIONES COLOMBIA 2026
Iván Cepeda denuncia a Abelardo De la Espriella ante la Corte Penal Internacional por sus presuntos vínculos con grupos paramilitares
El candidato de la izquierda en Colombia señala al abogado de ultraderecha, su rival en la segunda vuelta, de concierto para delinquir, financiación del terrorismo y enriquecimiento ilícito
11 de junio de 2026, 2:57:02 p.m.
N 10° 58' 46.342", W 74° 48' 35.706"
56° NE
Mary Immaculate School District
Barranquilla
81.6 m.s.n.m.
Velocidad 0.0km/h
INSTITUCIÓN EDUCATIVA DISTRITAL MARIA INMACULADA







MARIAINMACULADA1	red	Actualizado	172.16.74.43	GbE
MARIAINMACULADA10	red	Actualizado	172.16.74.95	GbE
MARIAINMACULADA11	red	Actualizado	172.16.74.92	GbE
MARIAINMACULADA2	red	Actualizado	172.16.74.42	GbE
MARIAINMACULADA3	red	Actualizado	172.16.74.44	GbE
MARIAINMACULADA4	red	Actualizado	172.16.74.38	GbE
MARIAINMACULADA5	red	Actualizado	172.16.74.37	GbE
MARIAINMACULADA6	red	Actualizado	172.16.74.85	GbE
MARIAINMACULADA7	red	Actualizado	172.16.74.89	GbE
MARIAINMACULADA8	red	Actualizado	172.16.74.84	GbE
MARIAINMACULADA9	red	Actualizado	172.16.74.93	GbE

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID	Summary	Test Limit	Length	Headroom	Date / Time
R1-PP1-AP01	PASS	TIA Cat 6A Channel	20.1 m	6.3 dB (NEXT)	06/11/2026 02:12 PM
R1-PP1-AP02	PASS	TIA Cat 6A Channel	24.8 m	3.9 dB (NEXT)	06/11/2026 02:21 PM
R1-PP1-AP03	PASS	TIA Cat 6A Channel	62.3 m	6.2 dB (NEXT)	06/11/2026 02:30 PM
R1-PP1-AP04	PASS	TIA Cat 6A Channel	35.8 m	1.7 dB (NEXT)	06/11/2026 02:45 PM
R1-PP1-AP05	PASS	TIA Cat 6A Channel	51.3 m	5.6 dB (NEXT)	06/11/2026 02:53 PM
R2-PP2-AP06	PASS	TIA Cat 6A Channel	23.0 m	7.7 dB (NEXT)	06/11/2026 03:04 PM
R2-PP2-AP07	PASS	TIA Cat 6A Channel	41.0 m	4.9 dB (NEXT)	06/11/2026 03:15 PM
R2-PP2-AP08	PASS	TIA Cat 6A Channel	52.3 m	6.5 dB (NEXT)	06/11/2026 03:20 PM
R2-PP2-AP09	PASS	TIA Cat 6A Channel	55.9 m	3.7 dB (NEXT)	06/11/2026 03:29 PM
R2-PP2-AP10	PASS	TIA Cat 6A Channel	44.9 m	6.6 dB (NEXT)	06/11/2026 03:37 PM
R2-PP2-AP11	PASS	TIA Cat 6A Channel	33.3 m	6.7 dB (NEXT)	06/11/2026 03:43 PM

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Total Length:	444.7 m
Number of Reports:	11
Number of Passing Reports:	11
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R1-PP1-AP01

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 02:12:49 PM
Operator: INDICONAS
Headroom 0.9 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	20.1
Prop. Delay (ns), Limit 555	[Pair 4,5]	230
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	7.71
Insertion Loss Margin (dB)	[Pair 4,5]	28.3
Frequency (MHz)	[Pair 4,5]	488.0
Limit (dB)	[Pair 4,5]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
NEXT (dB)	0.9	6.2	5.4	9.0
Freq. (MHz)	128.5	14.1	449.0	500.0
Limit (dB)	38.1	54.1	27.4	26.1
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	2.0	6.5	4.4	9.5
Freq. (MHz)	126.5	19.5	386.0	469.0
Limit (dB)	35.3	49.2	26.2	24.0

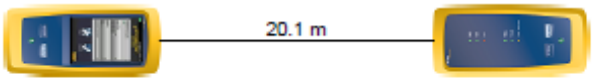
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-1,2	3,6-1,2	1,2-3,6
ACR-F (dB)	11.1	11.1	12.8	11.5
Freq. (MHz)	2.9	2.9	489.0	489.0
Limit (dB)	54.1	54.1	9.5	9.5
Worst Pair	1,2	3,6	1,2	3,6
PS ACR-F (dB)	13.3	13.2	14.7	13.5
Freq. (MHz)	1.0	1.0	489.0	485.0
Limit (dB)	60.3	60.3	6.5	6.5

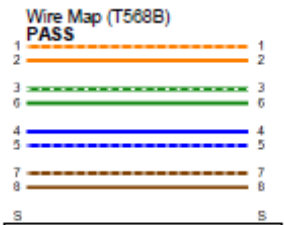
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	4,5-7,8	3,6-4,5
ACR-N (dB)	7.6	10.6	34.4	38.0
Freq. (MHz)	14.1	3.0	461.0	500.0
Limit (dB)	46.4	61.4	-20.1	-23.2
Worst Pair	3,6	7,8	4,5	3,6
PS ACR-N (dB)	8.6	10.5	36.7	37.2
Freq. (MHz)	9.1	5.8	488.0	469.0
Limit (dB)	48.5	53.0	-25.1	-23.6

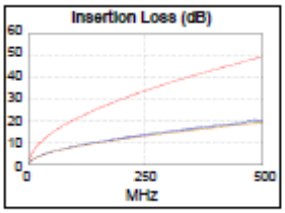
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	3,6
RL (dB)	8.4	5.3	11.1	7.5
Freq. (MHz)	57.8	35.5	483.0	449.0
Limit (dB)	14.4	16.2	6.0	6.0

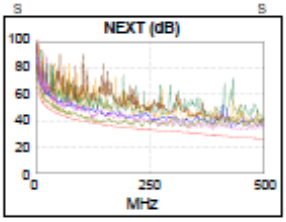
Compliant Network Standards:

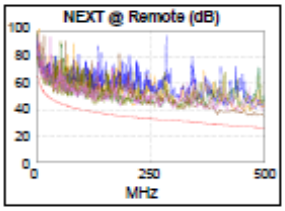
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

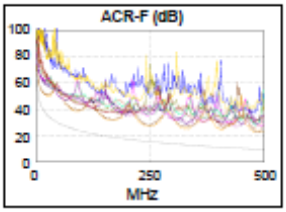


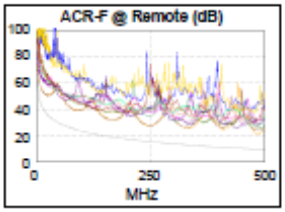


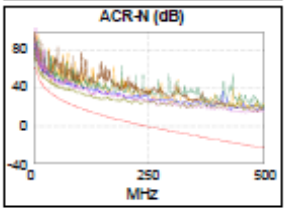


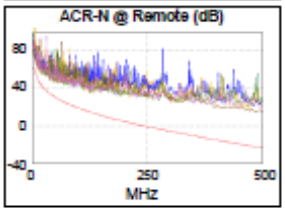


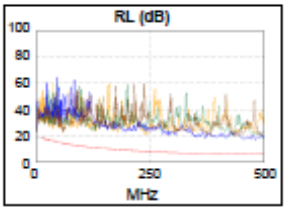


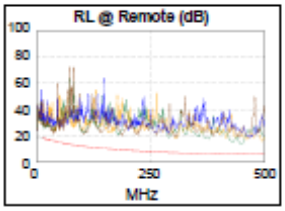












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R1-PP1-AP02

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 02:21:25 PM
Operator: INDICONAS
Headroom 6.3 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

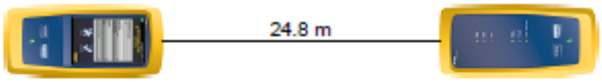
Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

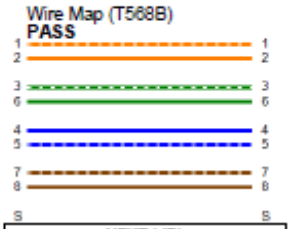
Length (m), Limit 100.0	[Pair 1,2]	24.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	229
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	7.70
Insertion Loss Margin (dB)	[Pair 4,5]	29.0
Frequency (MHz)	[Pair 4,5]	500.0
Limit (dB)	[Pair 4,5]	49.3

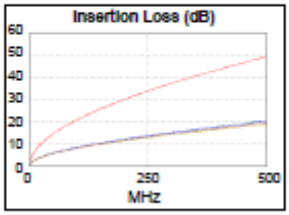
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	1,2-7,8	1,2-3,6
NEXT (dB)	6.3	7.7	9.1	7.7
Freq. (MHz)	133.5	480.0	500.0	480.0
Limit (dB)	37.8	26.6	26.1	26.6
Worst Pair	7,8	4,5	1,2	3,6
PS NEXT (dB)	7.5	9.1	10.4	9.3
Freq. (MHz)	201.5	4.6	498.0	480.0
Limit (dB)	31.8	59.5	23.3	23.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	12.4	11.5	13.3	12.1
Freq. (MHz)	86.0	410.0	495.0	489.0
Limit (dB)	24.6	11.0	9.4	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.3	12.9	13.9	12.9
Freq. (MHz)	398.0	411.0	432.0	411.0
Limit (dB)	8.3	8.0	7.5	8.0
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	1,2-3,6
ACR-N (dB)	10.4	11.1	39.3	35.9
Freq. (MHz)	4.4	2.3	500.0	480.0
Limit (dB)	58.1	61.8	-23.2	-21.6
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	10.4	11.7	40.7	37.5
Freq. (MHz)	2.5	2.5	500.0	480.0
Limit (dB)	58.7	58.7	-26.1	-24.5
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	3,6
RL (dB)	6.4	6.4	9.8	7.4
Freq. (MHz)	77.3	35.8	460.0	437.0
Limit (dB)	13.1	16.2	6.0	6.0

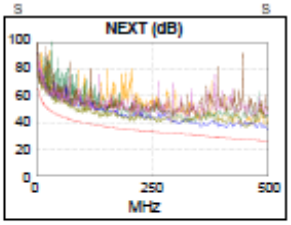
Compliant Network Standards:

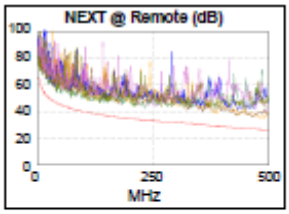
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

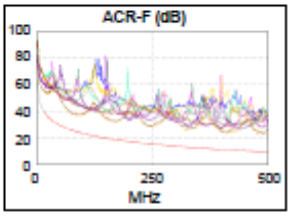


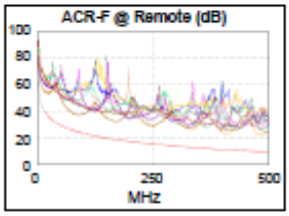


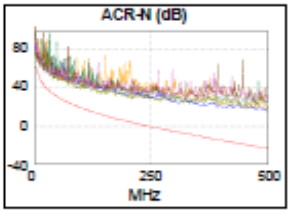


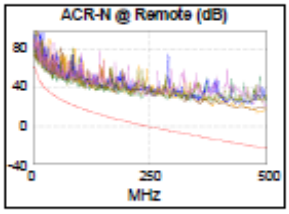


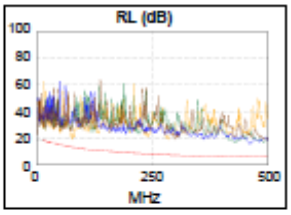


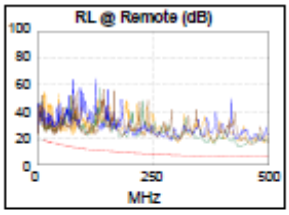












LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R1-PP1-AP03

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 02:30:49 PM
Operator: INDICONAS
Headroom 4.9 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	62.3
Prop. Delay (ns), Limit 555	[Pair 4,5]	230
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 4,5]	7.69
Insertion Loss Margin (dB)	[Pair 3,6]	28.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-7,8	3,6-4,5
NEXT (dB)	4.9	7.5	6.2	9.3
Freq. (MHz)	315.0	302.0	486.0	479.0
Limit (dB)	31.4	31.7	26.4	26.6
Worst Pair	7,8	4,5	7,8	4,5
PS NEXT (dB)	6.1	8.3	6.9	9.2
Freq. (MHz)	323.0	302.0	487.0	477.0
Limit (dB)	28.2	28.7	23.5	23.8

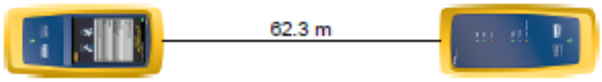
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	13.3	12.2	13.7	13.1
Freq. (MHz)	411.0	414.0	500.0	483.0
Limit (dB)	11.0	10.9	9.3	9.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.7	13.5	14.0	13.5
Freq. (MHz)	410.0	413.0	433.0	413.0
Limit (dB)	8.0	7.9	7.5	7.9

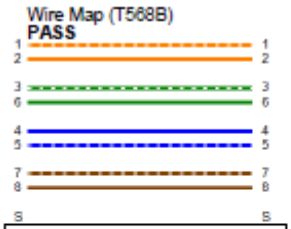
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	10.2	11.4	35.5	37.5
Freq. (MHz)	4.8	4.9	486.0	479.0
Limit (dB)	57.3	57.1	-22.1	-21.6
Worst Pair	1,2	1,2	3,6	4,5
PS ACR-N (dB)	10.7	12.5	36.1	37.4
Freq. (MHz)	4.6	4.6	486.0	477.0
Limit (dB)	55.1	55.1	-25.0	-24.3

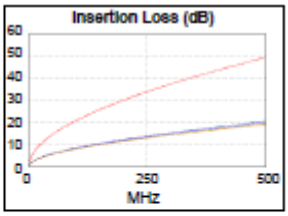
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	1,2
RL (dB)	8.0	6.1	8.7	8.5
Freq. (MHz)	36.3	36.3	488.0	480.0
Limit (dB)	16.2	16.2	6.0	6.0

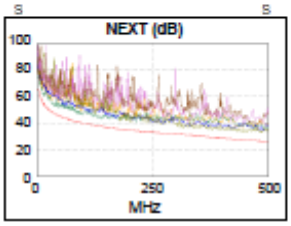
Compliant Network Standards:

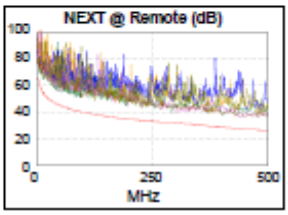
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

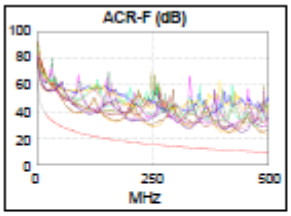


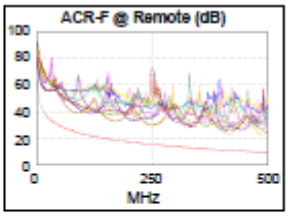


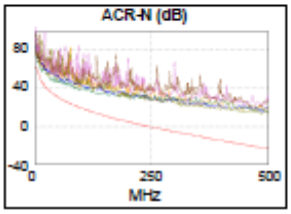


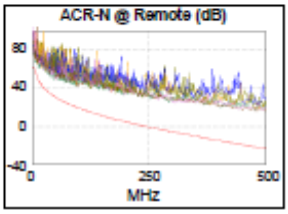


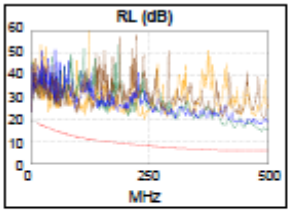


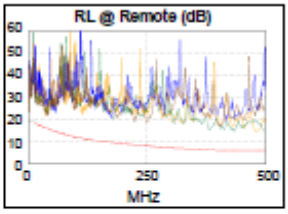












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R1-PP1-AP04

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 02:45:23 PM
Operator: INDICONAS
Headroom 5.7 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	35.8
Prop. Delay (ns), Limit 555	[Pair 4,5]	229
Delay Skew (ns), Limit 50	[Pair 4,5]	15
Resistance (ohms)	[Pair 4,5]	7.68
Insertion Loss Margin (dB)	[Pair 4,5]	28.1
Frequency (MHz)	[Pair 4,5]	486.0
Limit (dB)	[Pair 4,5]	48.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.7	7.3	9.6	7.8
Freq. (MHz)	145.5	102.0	466.0	496.0
Limit (dB)	37.2	39.8	26.9	26.2
Worst Pair	7,8	3,6	3,6	3,6
PS NEXT (dB)	6.7	8.4	9.6	10.0
Freq. (MHz)	145.5	4.4	468.0	496.0
Limit (dB)	34.3	59.9	24.0	23.3

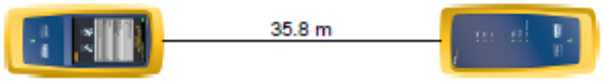
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	3,6-1,2	1,2-3,6
ACR-F (dB)	13.5	12.8	15.1	13.3
Freq. (MHz)	79.3	409.0	485.0	483.0
Limit (dB)	25.3	11.0	9.5	9.6
Worst Pair	3,6	3,6	1,2	3,6
PS ACR-F (dB)	14.7	14.3	15.8	15.4
Freq. (MHz)	1.4	409.0	485.0	478.0
Limit (dB)	57.5	8.0	6.5	6.7

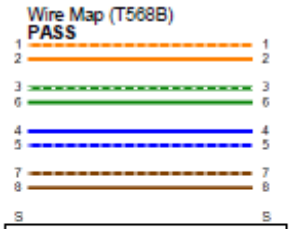
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.6	10.9	37.4	36.8
Freq. (MHz)	4.5	4.4	466.0	496.0
Limit (dB)	57.8	58.1	-20.5	-22.9
Worst Pair	1,2	3,6	3,6	3,6
PS ACR-N (dB)	11.2	11.0	37.5	38.9
Freq. (MHz)	2.6	4.4	468.0	496.0
Limit (dB)	58.6	55.6	-23.6	-25.8

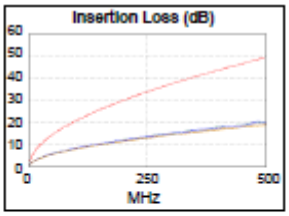
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	3,6	3,6	1,2
RL (dB)	8.4	6.2	10.4	8.3
Freq. (MHz)	47.3	38.8	497.0	306.0
Limit (dB)	15.3	16.1	6.0	7.1

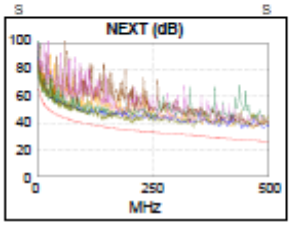
Compliant Network Standards:

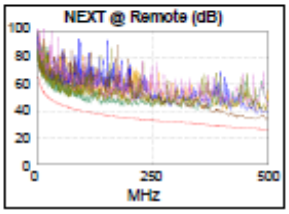
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

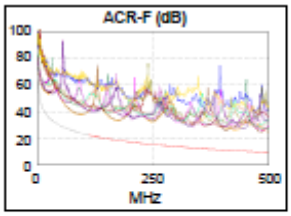


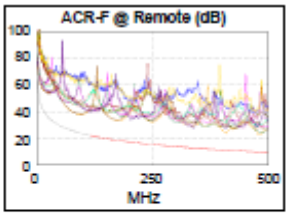


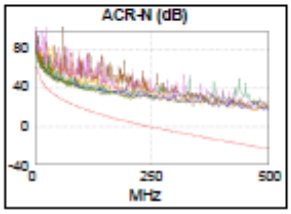


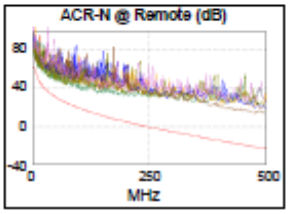


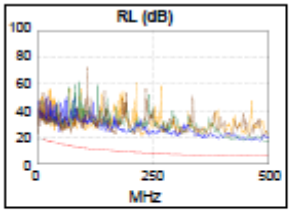


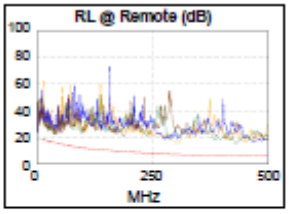












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R1-PP1-AP05

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 02:53:15 PM
Operator: INDICONAS
Headroom 6.3 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	51.3
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.10
Insertion Loss Margin (dB)	[Pair 4,5]	26.9
Frequency (MHz)	[Pair 4,5]	489.0
Limit (dB)	[Pair 4,5]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	6.3	6.9	7.7	6.9
Freq. (MHz)	191.5	468.0	499.0	468.0
Limit (dB)	35.1	26.9	26.1	26.9
Worst Pair	7,8	3,6	1,2	3,6
PS NEXT (dB)	6.9	7.9	8.8	9.1
Freq. (MHz)	50.3	419.0	500.0	486.0
Limit (dB)	42.2	25.3	23.2	23.6

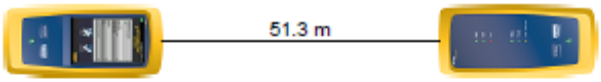
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-1,2	7,8-3,6	7,8-3,6	1,2-3,6
ACR-F (dB)	13.1	12.1	13.1	13.0
Freq. (MHz)	229.5	414.0	420.0	468.0
Limit (dB)	16.0	10.9	10.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.3	14.2	13.3	15.0
Freq. (MHz)	419.0	397.0	419.0	459.0
Limit (dB)	7.8	8.3	7.8	7.0

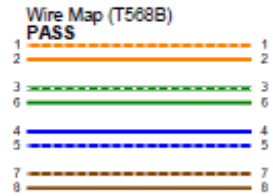
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	10.5	11.7	35.6	33.9
Freq. (MHz)	6.8	6.6	499.0	468.0
Limit (dB)	54.0	54.2	-23.1	-20.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	9.9	11.5	37.0	36.2
Freq. (MHz)	4.4	4.1	500.0	486.0
Limit (dB)	55.6	56.1	-26.1	-25.0

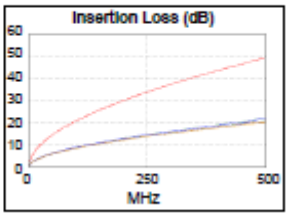
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	3,6
RL (dB)	8.2	7.1	10.9	8.2
Freq. (MHz)	25.1	56.3	489.0	500.0
Limit (dB)	17.0	14.5	6.0	6.0

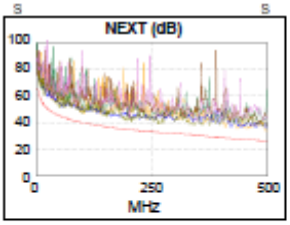
Compliant Network Standards:

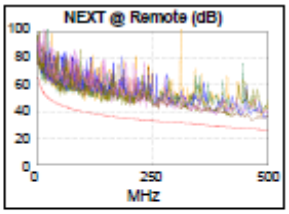
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

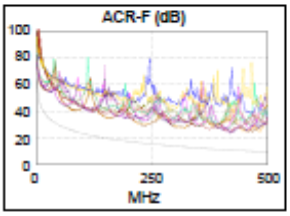


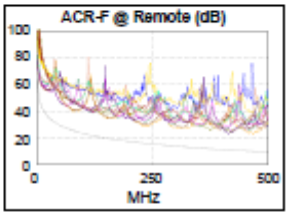


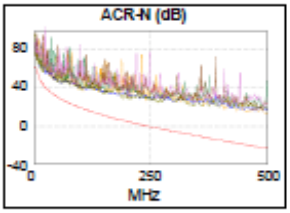


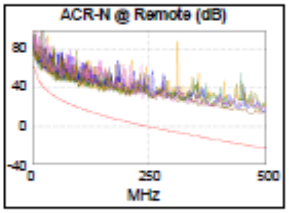


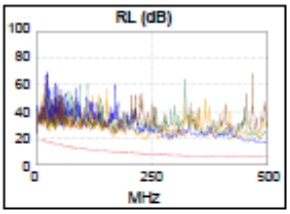


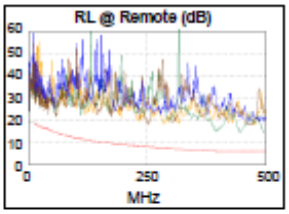












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R2-PP2-AP06

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 03:04:09 PM
Operator: INDICONAS
Headroom 6.3 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	23.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.09
Insertion Loss Margin (dB)	[Pair 4,5]	26.9
Frequency (MHz)	[Pair 4,5]	489.0
Limit (dB)	[Pair 4,5]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	6.3	6.9	7.7	6.9
Freq. (MHz)	191.5	468.0	499.0	468.0
Limit (dB)	35.1	26.9	26.1	26.9
Worst Pair	7,8	3,6	1,2	3,6
PS NEXT (dB)	6.9	7.9	8.8	9.1
Freq. (MHz)	50.3	419.0	500.0	486.0
Limit (dB)	42.2	25.3	23.2	23.6

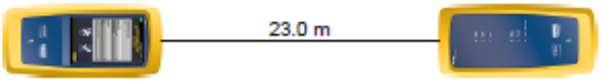
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-3,6	7,8-3,6	7,8-3,6	1,2-3,6
ACR-F (dB)	13.1	12.1	13.1	13.0
Freq. (MHz)	420.0	414.0	420.0	468.0
Limit (dB)	10.8	10.9	10.8	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.3	14.2	13.3	15.0
Freq. (MHz)	419.0	397.0	419.0	459.0
Limit (dB)	7.8	8.3	7.8	7.0

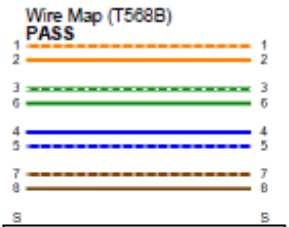
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	10.5	11.6	35.6	33.9
Freq. (MHz)	6.8	2.0	499.0	468.0
Limit (dB)	54.0	62.0	-23.1	-20.7
Worst Pair	3,6	3,6	3,6	4,5
PS ACR-N (dB)	9.8	11.5	37.0	36.0
Freq. (MHz)	4.3	4.1	500.0	485.0
Limit (dB)	55.8	56.1	-26.1	-24.9

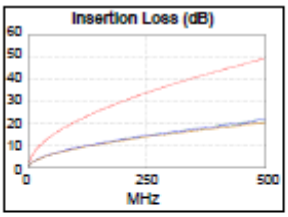
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	3,6
RL (dB)	8.3	7.1	10.8	8.2
Freq. (MHz)	25.1	56.3	489.0	500.0
Limit (dB)	17.0	14.5	6.0	6.0

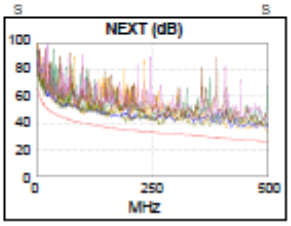
Compliant Network Standards:

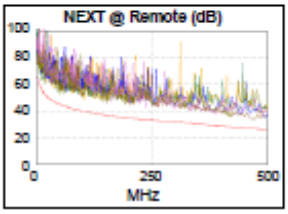
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

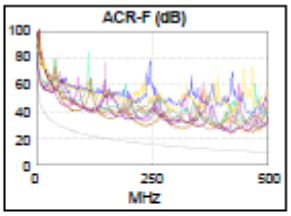


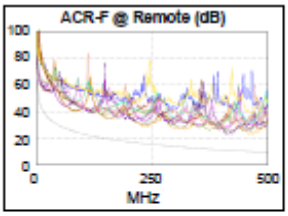


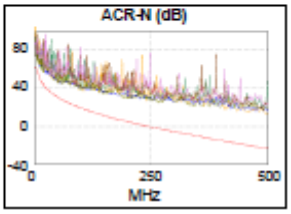


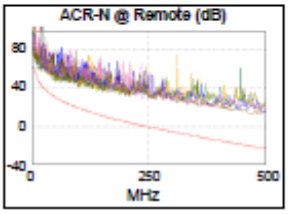


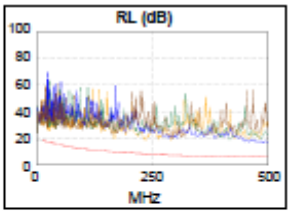


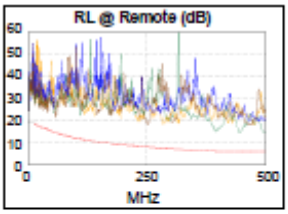












LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R2-PP2-AP07

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 03:15:32 PM
Operator: INDICONAS
Headroom 2.4 dB (NEXT 1,2-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	41.0
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.10
Insertion Loss Margin (dB)	[Pair 4,5]	27.0
Frequency (MHz)	[Pair 4,5]	488.0
Limit (dB)	[Pair 4,5]	48.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	1,2-7,8	1,2-7,8
NEXT (dB)	3.7	2.4	5.7	3.5
Freq. (MHz)	63.5	282.0	448.0	467.0
Limit (dB)	43.3	32.2	27.4	26.9
Worst Pair	1,2	1,2	7,8	7,8
PS NEXT (dB)	4.3	3.5	6.0	5.5
Freq. (MHz)	14.0	70.8	449.0	455.0
Limit (dB)	51.6	39.7	24.5	24.3

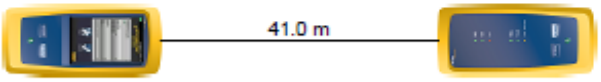
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.9	12.0	12.3	12.1
Freq. (MHz)	155.5	462.0	474.0	463.0
Limit (dB)	19.4	10.0	9.7	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	14.0	13.6	14.6	13.6
Freq. (MHz)	312.0	460.0	479.0	460.0
Limit (dB)	10.4	7.0	6.7	7.0

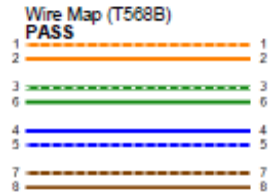
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	1,2-7,8	3,6-4,5
ACR-N (dB)	7.6	7.0	36.0	33.1
Freq. (MHz)	4.6	4.6	488.0	499.0
Limit (dB)	57.6	57.6	-22.3	-23.1
Worst Pair	1,2	1,2	7,8	3,6
PS ACR-N (dB)	7.5	7.6	33.2	35.1
Freq. (MHz)	4.4	4.5	449.0	500.0
Limit (dB)	55.6	55.3	-22.0	-26.1

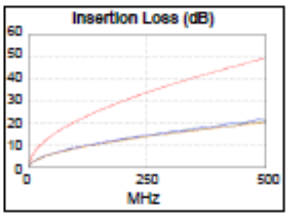
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	3,6
RL (dB)	7.7	4.2	7.7	9.2
Freq. (MHz)	481.0	38.0	481.0	434.0
Limit (dB)	6.0	16.1	6.0	6.0

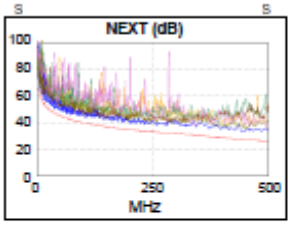
Compliant Network Standards:

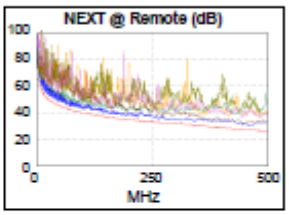
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

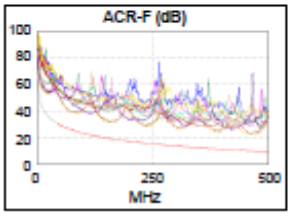


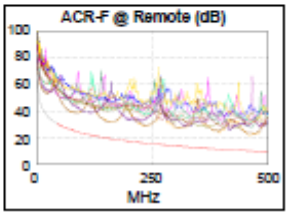


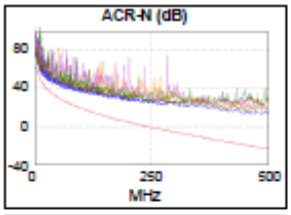


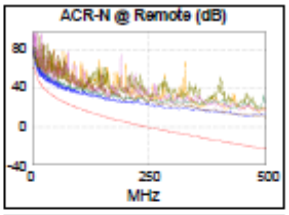


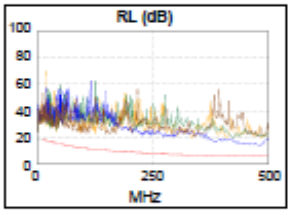


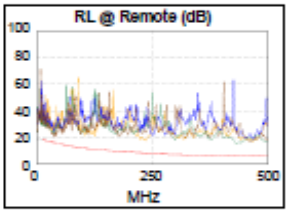












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R2-PP2-AP08

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 03:20:48 PM
Operator: INDICONAS
Headroom 4.1 dB (NEXT 1,2-3,6)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	52.3
Prop. Delay (ns), Limit 555	[Pair 4,5]	244
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.25
Insertion Loss Margin (dB)	[Pair 3,6]	27.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
NEXT (dB)	4.1	5.1	7.7	9.7
Freq. (MHz)	273.0	13.3	480.0	494.0
Limit (dB)	32.5	54.6	26.6	26.2
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	5.2	6.8	7.8	10.7
Freq. (MHz)	266.0	13.3	437.0	494.0
Limit (dB)	29.7	52.0	24.8	23.4

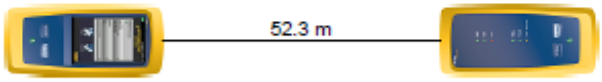
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	13.0	13.4	13.8	13.4
Freq. (MHz)	385.0	391.0	467.0	391.0
Limit (dB)	11.5	11.4	9.9	11.4
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-F (dB)	13.7	14.4	13.7	14.9
Freq. (MHz)	411.0	1.0	411.0	391.0
Limit (dB)	8.0	60.3	8.0	8.4

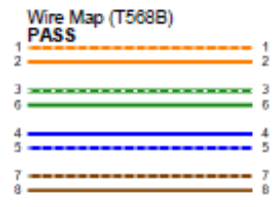
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-4,5
ACR-N (dB)	9.6	9.4	34.5	37.3
Freq. (MHz)	13.5	13.3	480.0	494.0
Limit (dB)	46.9	47.1	-21.6	-22.7
Worst Pair	3,6	1,2	3,6	3,6
PS ACR-N (dB)	10.6	11.3	36.2	38.4
Freq. (MHz)	8.3	13.5	480.0	494.0
Limit (dB)	49.5	44.3	-24.5	-25.6

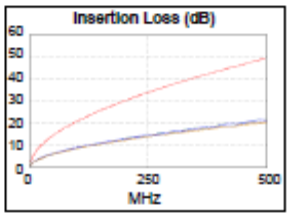
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	7,8	3,6
RL (dB)	7.8	6.1	10.6	7.9
Freq. (MHz)	24.8	38.3	494.0	499.0
Limit (dB)	17.0	16.1	6.0	6.0

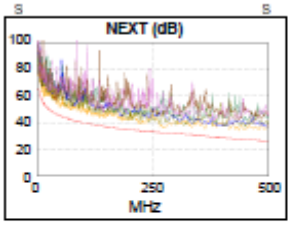
Compliant Network Standards:

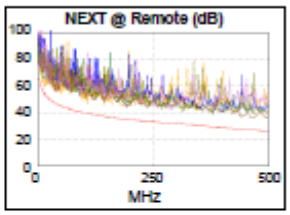
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

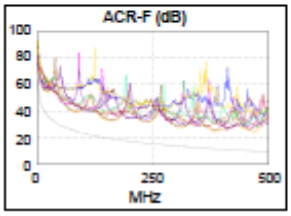


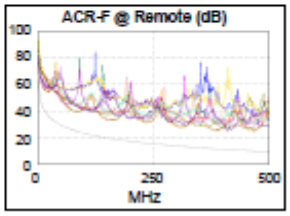


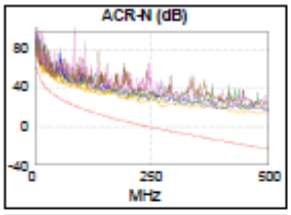


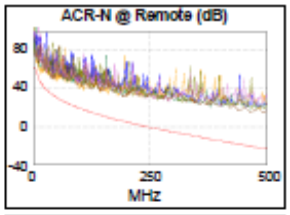


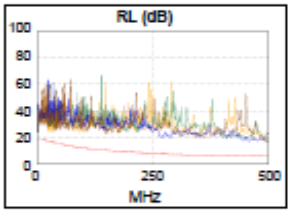


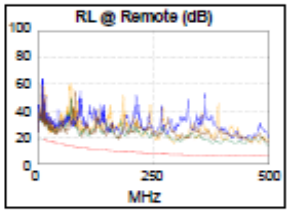












LinkWare™ PC Version 12.0

FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R2-PP2-AP09

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 03:29:50 PM
Operator: INDICONAS
Headroom 2.4 dB (NEXT 1,2-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Test Summary: PASS

Length (m), Limit 100.0	[Pair 1,2]	55.9
Prop. Delay (ns), Limit 555	[Pair 4,5]	243
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.10
Insertion Loss Margin (dB)	[Pair 4,5]	26.9
Frequency (MHz)	[Pair 4,5]	487.0
Limit (dB)	[Pair 4,5]	48.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	1,2-7,8	1,2-7,8
NEXT (dB)	3.9	2.4	6.0	3.5
Freq. (MHz)	63.5	282.0	448.0	467.0
Limit (dB)	43.3	32.2	27.4	26.9
Worst Pair	1,2	1,2	7,8	7,8
PS NEXT (dB)	4.4	3.6	6.1	5.5
Freq. (MHz)	13.9	70.8	449.0	455.0
Limit (dB)	51.6	39.7	24.5	24.3

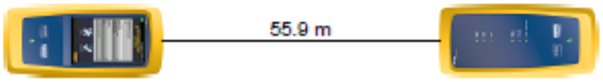
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	11.9	12.0	12.2	12.1
Freq. (MHz)	156.5	462.0	474.0	463.0
Limit (dB)	19.4	10.0	9.7	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	13.9	13.6	14.5	13.6
Freq. (MHz)	311.0	460.0	479.0	460.0
Limit (dB)	10.4	7.0	6.7	7.0

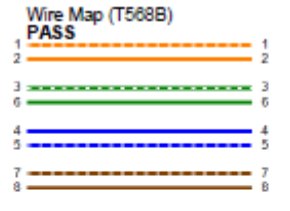
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	1,2-7,8	3,6-4,5
ACR-N (dB)	7.7	7.2	36.2	33.1
Freq. (MHz)	4.6	9.4	488.0	499.0
Limit (dB)	57.6	50.8	-22.3	-23.1
Worst Pair	1,2	1,2	7,8	3,6
PS ACR-N (dB)	7.7	7.7	33.3	35.1
Freq. (MHz)	4.5	4.5	449.0	500.0
Limit (dB)	55.3	55.3	-22.0	-26.1

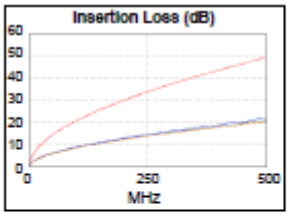
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	7,8	4,5	3,6
RL (dB)	7.6	4.2	7.6	9.3
Freq. (MHz)	481.0	38.0	481.0	434.0
Limit (dB)	6.0	16.1	6.0	6.0

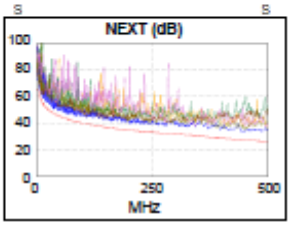
Compliant Network Standards:

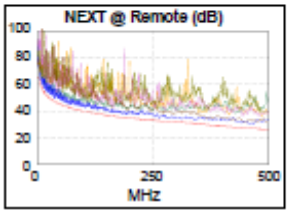
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

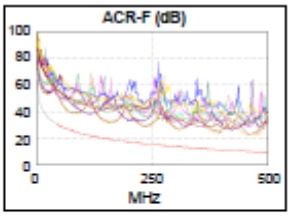


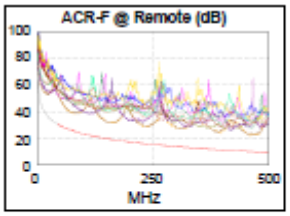


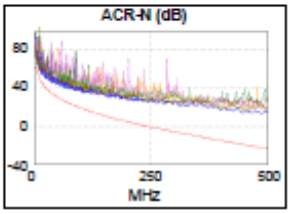


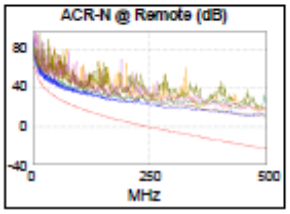


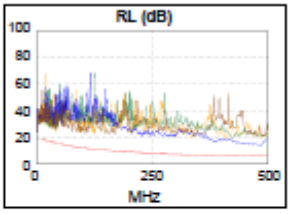


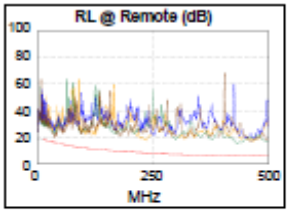












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R2-PP2-AP10

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 03:37:12 PM
Operator: INDICONAS
Headroom 3.2 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	44.9
Prop. Delay (ns), Limit 555	[Pair 4,5]	244
Delay Skew (ns), Limit 50	[Pair 4,5]	17
Resistance (ohms)	[Pair 4,5]	8.17
Insertion Loss Margin (dB)	[Pair 4,5]	27.4
Frequency (MHz)	[Pair 4,5]	492.0
Limit (dB)	[Pair 4,5]	48.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
NEXT (dB)	3.2	8.5	9.2	10.4
Freq. (MHz)	148.0	4.5	493.0	500.0
Limit (dB)	37.0	62.2	26.3	26.1
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	5.4	9.2	10.7	11.5
Freq. (MHz)	148.0	4.1	493.0	496.0
Limit (dB)	34.1	60.3	23.4	23.3

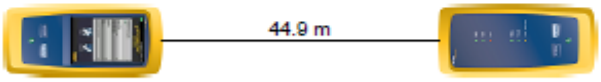
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	7,8-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	14.8	14.4	15.7	14.8
Freq. (MHz)	315.0	419.0	475.0	467.0
Limit (dB)	13.3	10.8	9.7	9.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	15.6	16.0	17.6	16.8
Freq. (MHz)	316.0	323.0	478.0	456.0
Limit (dB)	10.3	10.1	6.7	7.1

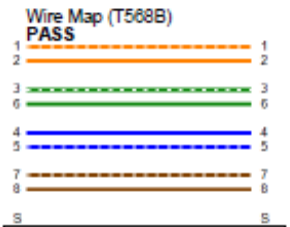
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	1,2-3,6	3,6-4,5
ACR-N (dB)	9.2	11.0	36.8	38.3
Freq. (MHz)	11.0	4.4	493.0	500.0
Limit (dB)	49.1	58.1	-22.7	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	10.8	11.6	39.0	39.3
Freq. (MHz)	4.4	4.1	493.0	496.0
Limit (dB)	55.6	56.1	-25.5	-25.8

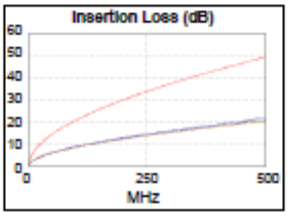
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	3,6	4,5	3,6
RL (dB)	8.8	8.0	8.8	8.0
Freq. (MHz)	462.0	495.0	462.0	495.0
Limit (dB)	6.0	6.0	6.0	6.0

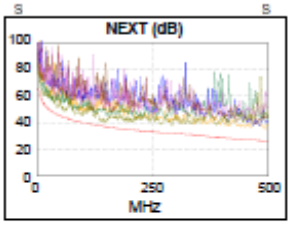
Compliant Network Standards:

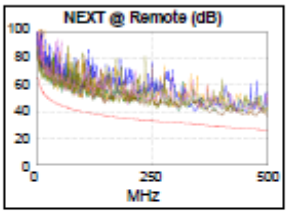
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

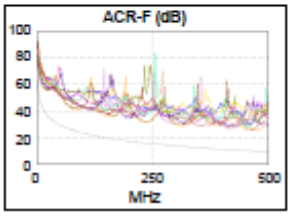


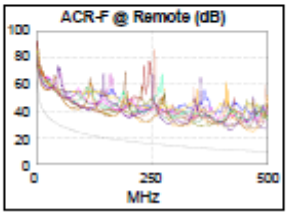


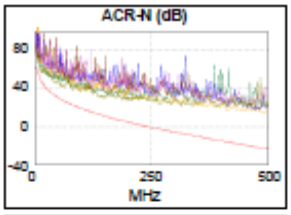


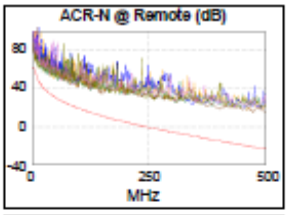


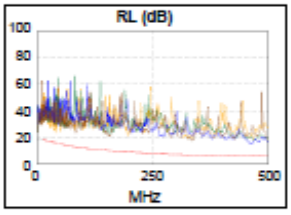


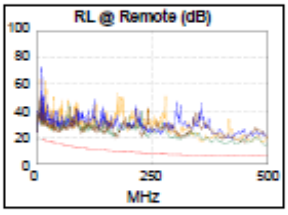












LinkWare™ PC Version 12.0

Project: IE MARIA INMACULADA
Site: Not Set
Floor: Not Set
Rack: Not Set
Untitled1

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID/ Test ID: R2-PP2-AP11

Test Limit: TIA Cat 6A Channel
Limits Version: V7.11
Date / Time: 06/11/2026 03:43:40 PM
Operator: INDICONAS
Headroom 2.4 dB (NEXT 1,2-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 1836012
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000 (DSX-CHA804)
S/N: 18274275

Test Summary: PASS

Remote: Versiv
S/N: 1836100
Software Version: V6.14 Build 9
Calibration Date: 09/24/2025
Adapter: DSX-8000R (DSX-CHA804)
S/N: 18274082

Length (m), Limit 100.0	[Pair 1,2]	33.3
Prop. Delay (ns), Limit 555	[Pair 4,5]	204
Delay Skew (ns), Limit 50	[Pair 4,5]	14
Resistance (ohms)	[Pair 4,5]	6.90
Insertion Loss Margin (dB)	[Pair 3,6]	30.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	5.3	2.4	6.7	4.8
Freq. (MHz)	220.0	68.8	460.0	498.0
Limit (dB)	34.1	42.7	27.1	26.1
Worst Pair	3,6	1,2	3,6	3,6
PS NEXT (dB)	6.3	4.4	6.3	6.2
Freq. (MHz)	458.0	93.8	458.0	493.0
Limit (dB)	24.2	37.6	24.2	23.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	3,6-1,2
ACR-F (dB)	12.2	12.0	12.2	13.5
Freq. (MHz)	461.0	188.5	461.0	461.0
Limit (dB)	10.0	17.8	10.0	10.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	12.6	14.2	12.6	14.8
Freq. (MHz)	461.0	189.5	461.0	468.0
Limit (dB)	7.0	14.7	7.0	6.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	7.6	6.7	37.0	35.8
Freq. (MHz)	3.0	3.0	469.0	498.0
Limit (dB)	61.4	61.4	-20.8	-23.1
Worst Pair	4,5	4,5	3,6	3,6
PS ACR-N (dB)	10.2	8.9	36.6	36.9
Freq. (MHz)	3.0	3.1	469.0	493.0
Limit (dB)	58.4	58.3	-23.6	-25.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	7,8	4,5	1,2
RL (dB)	8.5	6.5	9.4	6.7
Freq. (MHz)	21.6	35.0	479.0	305.0
Limit (dB)	17.3	16.3	6.0	7.2

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	



