Declaración de Información Comercial y Técnica - Chile

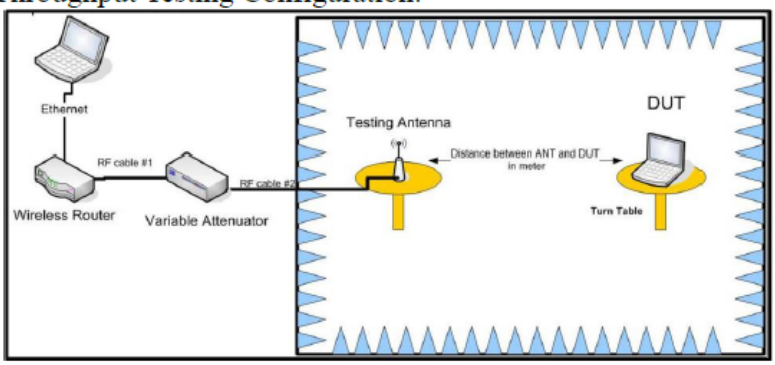
Información Comercial	
Fecha	2026/07/22
Nombre comercial del equipo	PRO B550M-P WIFI6E
Fabricante	Micro-Star INT'L CO., LTD.
Importador o representante en Chile	Samual Rojas
Domicilio (en Chile) del fabricante	Nevado de Chillan 19413, Santiago
Correo electrónico de contacto	Samuelrojas@msi.com
Sitio web	https://latam.msi.com/

Características técnicas	
Tipo de equipo	Placa Madre
Marca	MSI
Modelo	PRO B550M-P WIFI6E
Tecnología / Modulación	Bluetooth/Wi-Fi
Bandas de frecuencias	BT/BLE: 2402-2483.5MHz; WLAN 2.4G: 2402-2483.5MHz; WLAN 5G: 5.2G: 5150-5350MHz 5.6G: 5470-5725MHz 5.8G: 5725-5895MHz WLAN 6G: 5925-7125MHz
Ganancia de antena (dBi)	BT/WLAN 2.4G: < 2.42 dBi WLAN 5G: < 3.87 dBi WLAN 6G: 6.2GHz 5925-6425MHz < 4.76 dBi 6.5GHz 6425-6525MHz < 4.29 dBi 6.7GHz 6525-6875MHz < 4.61 dBi 7.0 GHz 6875-7125MHz < 4.09 dBi
Max EIRP	BT/WLAN 2.4G: < 36 dBm WLAN 5G: 5150-5350MHz < 30dBm 5470-5725MHz < 30dBm 5725-5895MHz < 36dBm WLAN 6G: 5945-6425MHz <24dBm

Módulos RF usados	Chip: MT7902BEN Wi-Fi 6E - 802.11 a/b/g/n/ac/ax Bluetooth 5.3
Declaración de conformidad	El equipo previamente individualizado cumple con las disposiciones establecidas en la Norma Técnica de Equipos de alcance reducido, aprobada por la resolución exenta N° 1.985, de 2017, de la Subsecretaría de Telecomunicaciones

1. WLAN Throughput Test

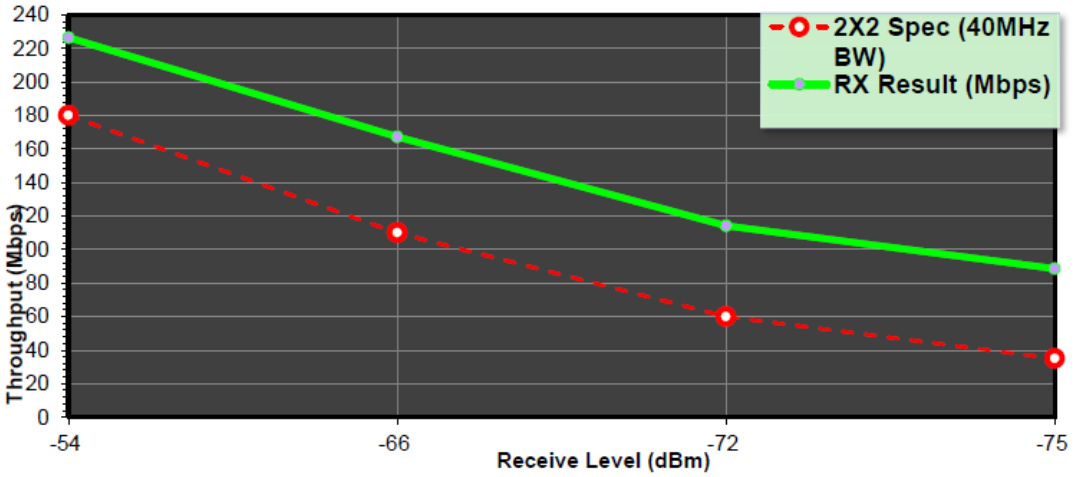
1-1 WLAN Throughput Testing Configuration:



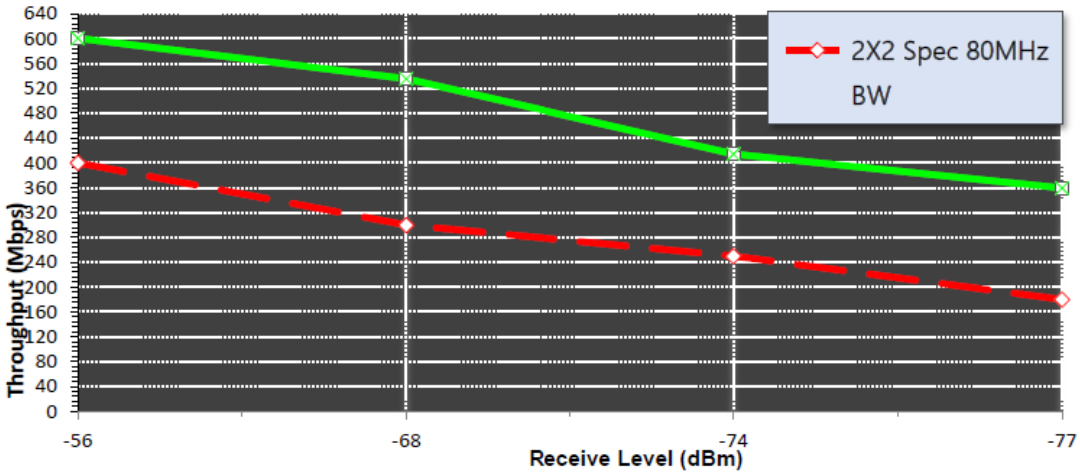
Total Attenuation=Air Loss (path loss) + Loss of 2 cables + Attenuator - Testing antenna gain = 75dB

1-2 WLAN Waterfall Throughput Test (Worst channel)

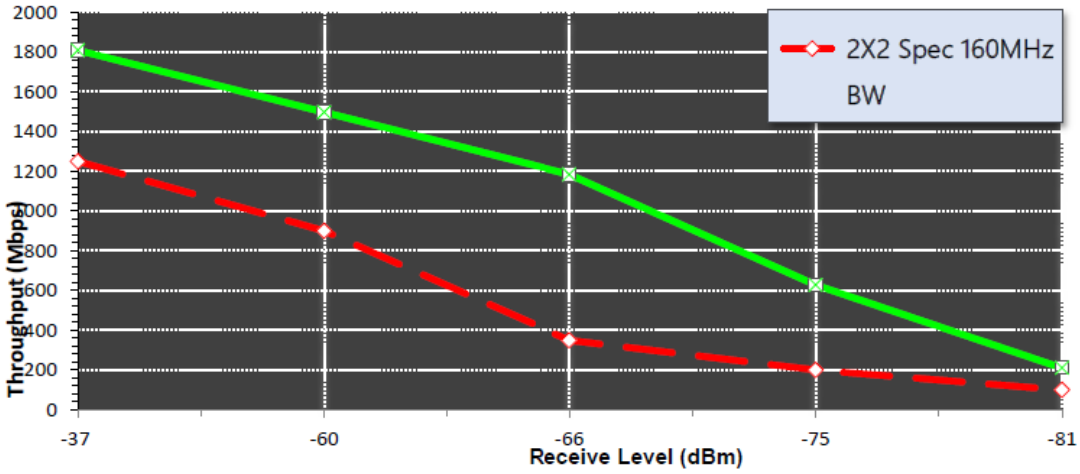
☒(1) 802. 11n 40MHz (2.4 – 2.5GHz)



☒(1) 802. 11AC 80MHz (5.15 – 5.85GHz)



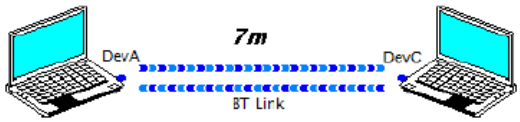
☒(1) 802.11 AX 160MHz (5.925 – 7.125GHz)



2. Bluetooth Throughput Test

2-1 Bluetooth Throughput Testing Configuration:

A. Test tool: IxChariot v5.40 or later
B. BT use PAN profile link
C. Distance between 2 DUT : 7m
D. Pass criteria > 0.3 Mbps
E. Open space test



PS: No barriers between the two DUT

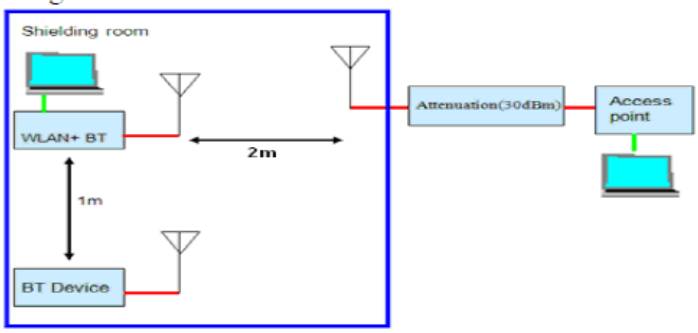
2-2 Bluetooth Throughput Test Result

BT Profile	Degree	UL Throughput (Mbps)	DL Throughput (Mbps)	Criteria
PAN		N/A	N/A	>0.3Mbps
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	
PAN		N/A	N/A	

3. WLAN & BT Coexistence Test

3-1 WLAN & BT Coexistence Testing Configuration:

1. Antenna isolation > 15 dB (recommended > 20 dB)
2. Combo module (BT+WLAN) antenna isolation > 20 dB
3. In the shielding room test



3-2 WLAN & BT Coexistence Test Result: (Wi-Fi Lab 1)

☐11n 20M		☐11n 40M		Spec.			
Att. (dB)	**Receive Level**	CH1		20M		40M	
		WLAN Throughput (Mbps)		1 X 1	2 X 2	1 X 1	2 X 2
66	-38	TX	N/A	30	40	40	60
		RX	N/A				
76	-48	TX	N/A	20	25	30	45
		RX	N/A				
86	-58	TX	N/A	10	15	15	25
		RX	N/A				
96	-68	TX	N/A	0	0	0	0
		RX	N/A				
101	-73	TX	N/A	0	0	0	0
		RX	N/A				

Att. (dB)	**Receive Level**	CH6		Spec.			
		WLAN Throughput (Mbps)		1 X 1	2 X 2	1 X 1	2 X 2
66	-38	TX	N/A	30	40	40	60
		RX	N/A				
76	-48	TX	N/A	20	25	30	45
		RX	N/A				
86	-58	TX	N/A	10	15	15	25
		RX	N/A				
96	-68	TX	N/A	0	0	0	0
		RX	N/A				
101	-73	TX	N/A	0	0	0	0
		RX	N/A				

Att. (dB)	**Receive Level**	CH11		Spec.			
		WLAN Throughput (Mbps)		1 X 1	2 X 2	1 X 1	2 X 2
66	-38	TX	N/A	30	40	40	60
		RX	N/A				
76	-48	TX	N/A	20	25	30	45
		RX	N/A				
86	-58	TX	N/A	10	15	15	25
		RX	N/A				
96	-68	TX	N/A	0	0	0	0
		RX	N/A				
101	-73	TX	N/A	0	0	0	0
		RX	N/A				

3-3 WLAN & BT Coexistence Test Result: (Wi-Fi Lab 3)

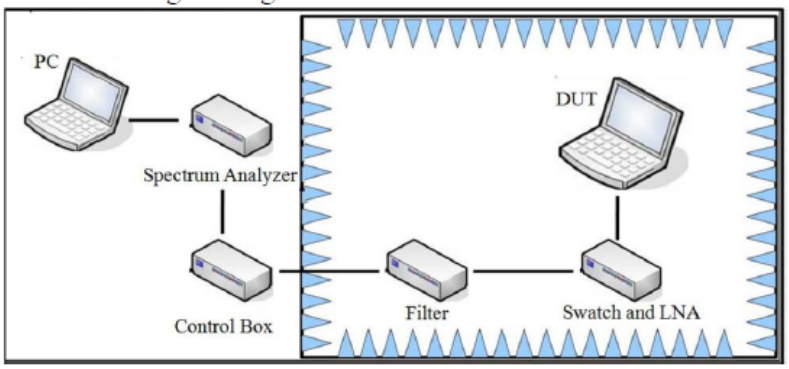
☐11n 20M		☐11n 40M		Spec.			
Att. (dB)	**Receive Level**	CH1		20M		40M	
		WLAN Throughput (Mbps)		1 X 1	2 X 2	1 X 1	2 X 2
55	-38	TX	N/A	30	40	40	60
		RX	N/A				
65	-48	TX	N/A	20	25	30	45
		RX	N/A				
75	-58	TX	N/A	10	15	15	25
		RX	N/A				
85	-68	TX	N/A	0	0	0	0
		RX	N/A				
90	-73	TX	N/A	0	0	0	0
		RX	N/A				

Att. (dB)	**Receive Level**	CH6		Spec.			
		WLAN Throughput (Mbps)		1 X 1	2 X 2	1 X 1	2 X 2
55	-38	TX	N/A	30	40	40	60
		RX	N/A				
65	-48	TX	N/A	20	25	30	45
		RX	N/A				
75	-58	TX	N/A	10	15	15	25
		RX	N/A				
85	-68	TX	N/A	0	0	0	0
		RX	N/A				
90	-73	TX	N/A	0	0	0	0
		RX	N/A				

Att. (dB)	**Receive Level**	CH11		Spec.			
		WLAN Throughput (Mbps)		1 X 1	2 X 2	1 X 1	2 X 2
55	-38	TX	N/A	30	40	40	60
		RX	N/A				
65	-48	TX	N/A	20	25	30	45
		RX	N/A				
75	-58	TX	N/A	10	15	15	25
		RX	N/A				
85	-68	TX	N/A	0	0	0	0
		RX	N/A				
90	-73	TX	N/A	0	0	0	0
		RX	N/A				

4. Platform Noise Test

4-1 Platform Noise Testing Configuration: With Burn-in Test



4-2 Platform Noise Test Result:

WLAN(2.4G): Start(2.4GHz) ~ Stop(2.5GHz) for Main Antenna	
☐MAX : -97dB / -87dB (Board Band/ Narrow Band)	☐Average : -107dB / -97dB (Board Band/ Narrow Band)

WLAN(2.4G): Start(2.4GHz) ~ Stop(2.5GHz) for Aux Antenna	
☐MAX : -97dB / -87dB (Board Band/ Narrow Band)	☐Average : -107dB / -97dB (Board Band/ Narrow Band)

WLAN(5G): Start(5.1GHz) ~ Stop(5.8GHz) for Main Antenna	
☐MAX : -97dB / -87dB (Board Band/ Narrow Band)	☐Average : -107dB / -97dB (Board Band/ Narrow Band)

WLAN(5G): Start(5.1GHz) ~ Stop(5.8GHz) for Aux Antenna	
☐MAX : -97dB / -87dB (Board Band/ Narrow Band)	☐Average : -107dB / -97dB (Board Band/ Narrow Band)

WLAN(6E): Start(5.925GHz) ~ Stop(7.125GHz) for Main Antenna	
☐MAX : -97dB / -87dB (Board Band/ Narrow Band)	☐Average : -107dB / -97dB (Board Band/ Narrow Band)

WLAN(6E) : Start(5.925GHz) ~ Stop(7.125GHz) for Aux	
☐MAX : -97dB / -87dB (Board / Narrow)	☐Average : -107dB / -97dB (Board / Narrow)