

## CLIENT DEVICE INTEROPERABILITY TEST RESULTS

Document Version: v1.0		
Client Device Details		
<b>Client Device Make</b>	<b>Samsung</b>	
<b>Client Device Type</b>	<b>Mobile Device</b>	
Client Device Model	Samsung Galaxy S22 Ultra	
Client Device OS type	Android 13	
Tested Client Device NIC capability	11ax, 2 spatial stream	
Test Configuration		
Aruba OS Version	8.11.0.0 - 85179	
Access Point	AP535, AP635, AP 655	
Basic Wi-Fi Interoperability Test and Capability Results		
Feature	Support	Capability Details
Association		
Supported Encryption Opmodes	✓	Open, Mac Auth, Open WEP, PSK(TKIP/AES), Enterprise (TKIP/AES), Mixed (PSK/AES)
Channels		
2.4 GHz Radio	✓	1-13
5 GHz Radio	✓	36-165
6 GHz Radio	✓	33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93 97 101 105 109 113 117 121 125 129 133 137 141 145 149 153 157 161 165 169 173 177 181 185 189 193 197 201 205 209 213 217 221 225 229
Roaming		
Opportunistic Key Caching (OKC)	✓	OKC Capable
Fast Transition (802.11r)	✓	FT with both PSK and Enterprise SSID
Protocols		
BSS Transition (802.11v)	✓	Supports BSS Transition
WMM Client (802.11e)	✓	802.11e Capable
WMM-PS (U-APSD)	X	Client Does not support U-APSD Power Save
Radio Resource Management (802.11k)	✓	802.11k Capable
Management Frame Protection (802.11w)	✓	MFP-Capable and MFP-Required

802.11h and 802.11d	✓	DFS and TPC capable
<b>WPA3 Capabilities</b>		
OWE	✓	OWE Capable
WPA3-SAE	✓	SAE Capable
WPA3-CCM-128	✓	WPA3-CCM-128 Capable
WPA3-SuiteB	✓	Suite-B Capable
WPA3-AES-GCM-256	✓	GCM-256 Capable

<b>Roaming with WPA3</b>		
SAE+11r	X	Not supported by client
WPA3-CCM-128 + 11r	✓	Capable of WPA3-CCM-128 + 11r
Suite-B +11r	X	Not supported by client
WPA3-AES-GCM256 + 11r	✓	Capable of GCM256+11r
<b>802.11ax Client Capabilities</b>		
802.11ax Capable	✓	11ax Capable
DL-OFDMA	✓	Capable of transmitting OFDMA frames
UL-OFDMA	✓	Capable of receiving OFDMA frames
DL MU-MIMO	✓	Capable of transmitting HE MU-MIMO frames
UL MU-MIMO	X	Client cannot receive HE MU-MIMO frames
TWT Capable	✓	Individual TWT supported
1024 QAM Capable	✓	All rates up to MCS 11 supported in both Tx and Rx
<b>WIFI 6E</b>		
6E Capable	✓	6E Capable Client
<b>Notes and Additional Comments</b>		

**NOTE:** Client Device may support a superset of the above capabilities

**ABBREVIATIONS:** NR: Neighbor Report; BR: Beacon Report; LM: Link Measurement, TSM: Transmit Stream Measurement, MFP: Management Frame Protection, FT: Fast Transition, OKC: Opportunistic Key Caching, DFS: Dynamic Frequency Selection, TPC: Transmit Power Control, DL: Downlink, UL: Uplink, TWT: Target Wake Time, OFDMA: Orthogonal Frequency Division Multiple Access