

Exhibit A

Asserted Standard-Essential¹ and Standard Non-Essential Claims

Patent No.	Standard-Essential Claims	Standard Non-Essential Claims
5,740,366	5-7, 9-12, 15, 16, 19-21, 24, 26-29, 32	8, 13, 14, 22, 23, 25
5,940,771	1-4	5-7
6,374,311	41, 44, 55	20-24, 26-30, 32-37, 39, 40, 43, 45-51, 53-54, 56, 60, 64
7,457,646	14-17, 19-21, 26, 29, 31, 32, 34, 35, 39, 40, 43, 44, 47, 49-51, 53-56, 59-64, 66-69, 71-73, 79, 83, 84, 85, 87, 89, 91-93, 99, 101-104, 107, 108, 111, 112, 114-123, 125-128, 130, 135-137, 143, 144	18, 22, 27, 28, 30, 33, 45, 82, 86, 88, 90, 94, 98, 100
7,536,167	73-76, 82, 83, 89-97, 100, 105, 106, 112, 113, 119-127, 130, 203	77, 79-81, 85, 102-104, 107, 109-111, 115, 132-134
7,873,343	1-5, 8-11, 15-20, 25, 28-35, 38-41, 45-50, 55, 58-60	6, 12, 22, 23, 36, 42, 52, 53
6,714,559	6-8	
7,386,002	1, 2, 4, 6, 7, 14, 16, 18, 19	
7,535,921	1-5, 7, 8	
7,548,553	10-12, 17, 19, 20	
7,916,747	1-3, 5-8, 11, 13, 16, 17, 20, 21, 22, 23, 24, 25	
5,546,397		1-5
5,844,893		7-11
6,665,536		1, 5, 8, 10, 11, 13-17, 19-21, 23, 24, 27, 30, 32, 36, 37, 39-42, 49, 50
6,697,415		11, 12, 15
7,013,138		1, 5, 8, 10, 11, 13-15, 17, 18, 21, 24, 26, 28, 36-39
7,710,907		1, 7, 10, 12, 13, 15-17, 20, 21, 23, 24, 30, 33, 35, 36, 38-40, 43, 44, 46-50
7,107,052		1, 5, 6, 8-12, 15, 16
7,710,935		1, 5, 6, 8-12, 15, 16, 25-28, 32-35, 37-42, 44-47
5,295,154		1-7
5,428,636		1-13
5,504,746		13-17
6,826,165		16-20

Note 1: By agreeing that a claim is essential, Innovatio is stating only that pursuant to the IEEE definition of "essential patent claim," the claim must be infringed in order to create a compliant implementation and no commercially and technically feasible non-infringing alternatives existed at the time of standard adoption. Innovatio reserves all argument that the claim is or is not F/RAND obligated, since it is Defendants' burden to show the existence of all elements of the contract creating the purported F/RAND obligation.