

SISVEL WI-FI LICENSING PROGRAM

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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
FRA-01	US 6314289		6, 10	802.11n	3.1, 18.3.5.6, 18.3.8.2, 20.3, 20.3.1, 20.3.2, 20.3.3, 20.3.4, 20.3.11.4, 20.3.11.6, 20.3.11.8.2, 20.6
		DE (EP) 1123597			
		ES (EP) 1123597			
		FR (EP) 1123597			
		GB (EP) 1123597			
		IT (EP) 1123597			
		JP 3464981			
		PL 192020			
HER051	US 7697593		1	802.11n	20.1, 20.3.1, 20.3.2, 20.3.9.2, 20.3.9.3.3, 20.3.9.4.5, 20.3.24
		JP 4624423			
		TW 415406			
HER057	US 8116389		1,4	802.11n	20.1.4, 20.3.1, 20.3.2, 20.3.3, 20.3.9.2, 20.3.9.3.3, 20.3.9.3.4, 20.3.9.4.5, 20.3.9.4.6
		JP 4841256			
		US 8379744			
HER058	US 8737377		1	802.11n	20.3.2, 20.3.3, 20.3.9.1, 20.3.9.2, 20.3.9.3.3, 20.3.9.3.4, 20.3.9.4.5, 20.3.9.4.6 20.3.11.10.1
		JP 4781116			
		JP 5282119			
HER089	US 7526258		1	802.11n	20.3.2, 20.3.3, 20.3.9.4.2, 20.3.9.4.5, 20.3.9.4.6



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		CN 200510007003.9			
		JP 4130191			
		JP 4130210			
		TW 253811			
HER090	EP 1768293		1,6,7,9	802.11n	20.1.4, 20.3.1, 20.3.2, 20.3.3, 20.3.9.2, 20.3.9.3.3, 20.3.9.3.4, 20.3.9.4.5, 20.3.9.4.6
		CN 200580021534.1			
		CN 201310209401.3			
		DE (EP) 1768293			
		FI (EP) 1768293			
		FR (EP) 1768293			
		GB (EP) 1768293			
		KR 827148			
		SE (EP) 1768293			
		TW 293526			
		US 8054739			
		US 8446812			
HER091	EP 1768294		1	802.11n	20.1.4, 20.3.2, 20.3.3, 20.3.9.2, 20.3.9.3.3, 20.3.9.3.4, 20.3.9.4.5, 20.3.9.4.6, 9.7, 9.13.3
		CN 200580021825			
		DE (EP) 1768294			
		FI (EP) 1768294			
		FR (EP) 1768294			
		GB (EP) 1768294			
		IN 286785			
		ID ID-P0034246			
		KR 887006			
		JP 4583330			
		JP 4583254			
		RU 2383998			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		SE (EP) 1768294			
		TW 279999			
		US 8254361			
		US 8265055			
		US 8817767			
		VN 9822			
HER092	US 7715876		1	802.11n	20.1.4, 20.3.2, 20.3.3, 20.3.4, 20.3.7, 20.3.9.4.5, 20.3.9.4.6, 20.3.11.10.1
		CN 200580033853.4			
		CN 201210392562.6			
		DE (EP) 1811704			
		FI (EP) 1811704			
		FR (EP) 1811704			
		GB (EP) 1811704			
		KR 827190			
		KR 829340			
		SE (EP) 1811704			
		TW 368404			
		US 8121647			
		US 9331813			
HER093	US 7715877		1	802.11n	20.1.4, 20.3.2, 20.3.3, 20.3.4, 20.3.7, 20.3.9.4.5, 20.3.9.4.6, 20.3.11.10.1, 20.3.13.3
		CN 200580030764.4			
		CN 201210377683.3			
		JP 4063848			
		JP 4065297			
		JP 4063849			
		JP 4063850			
		JP 4065276			
		JP 4065296			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		JP 4065311			
		JP 4463293			
		JP 5031813			
		KR 817670			
		KR 817671			
		KR 817672			
		KR 817673			
		KR 817674			
		KR 817675			
		TW 368409			
		US 7715878			
		US 7715879			
		US 7715880			
		US 7738924			
		US 8265700			
		US 8611960			
		EP 1811705			
		FI (EP) 1811705			
		FR EP) 1811705			
		GB EP) 1811705			
		SE (EP) 1811705			
HER094	EP 1927216		1	802.11n	9.13.3.1, 9.13.3.3, 20.3.2, 20.3.3, 20.3.3, 20.3.11.10.1, 7.3.2.56.1, 7.3.2.56.4
		CN 200680021937			
		DE (EP) 1927216			
		FI (EP) 1927216			
		FR (EP) 1927216			
		GB (EP) 1927216			
		SE (EP) 1927216			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		JP 4841333			
		TW 397282			
		KR 1279187			
		US 8351463			
HER095	US 7539461		1	802.11	20.3.3, 20.3.11.10.1, 7.3.2.56.1, 7.3.2.56.4
	US 7962103			802.11ac	8.4.2.160.1, 8.4.2.160.3, 22.1.1, 22.3.3, 22.3.4.5, 22.3.4.6, 22.3.4.7, 22.3.4.8, 22.3.4.9.1, 22.3.4.9.2, 22.3.8.3.2, 22.3.10.9.4, 22.3.10.11.1
		CN 03811270.1			
		CN 200910141207.X			
		JP 4166026			
		US 8412115			
		US 8934851			
		US 9270024			
		EP 1489758			
		DE (EP) 1489758			
		GB (EP) 1489758			
		FI (EP) 1489758			
		FR (EP) 1489758			
		SE (EP) 1489758			
HER097	US 7369878		1	802.11n	11.3.2.2, 20.1.4, 20.3.2, 20.3.9.4.3
		CN 02819661.9			
		CN 200610165995.2			
		TW 205048			
		JP 3540782			
		US 7130659			
		US 7454234			
		US 7454235			
		US 7454236			
		US 7567821			

Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		US 7613151			
		US 7873387			
		US 7873388			
		US 7873389			
		US 7881751			
		EP 2461494			
		DE (EP) 2461494			
		GB (EP) 2461494			
		FI (EP) 2461494			
		FR (EP) 2461494			
		SE (EP) 2461494			
HER098	US 8295400		1	802.11n	20.3.2, 20.3.3, 20.3.9.2, 20.3.9.3.2, 20.3.9.3.3, 20.3.9.3.4, 20.3.9.3.5, 20.3.9.4.2, 20.3.9.4.3, 20.3.9.4.5, 20.3.9.4.6, 20.3.11.9, 17.3.1, 17.3.3, 17.3.5.8, 17.3.5.9
		CN 200580030234.X			
		CN 201210350744.7			
		US 8787496			
		DE (EP) 1788743			
		FR (EP) 1788743			
		GB (EP) 1788743			
		JP 3754441			
		KR 867852			
		TW 407712			
		TW 1496429			
HER099	US 7899413		1	802.11n	20.1.4, 20.3.2, 20.3.3, 20.3.9.4.2, 20.3.9.4.5, 20.3.9.4.6, 20.3.11.10.1, 20.3.11.10.2
		CN 200680003246.8			
		CN 201210544583.5			
		DE (EP) 1925104			
		GB (EP) 1925104			
		JP 3989512			

Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		JP 4290210			
		JP 4290218			
		JP 4290220			
		JP 4884488			
		JP 5361972			
		KR 1124122			
		KR 937802			
		SE (EP) 1925104			
		TW 422176			
		TW 1499233			
		US 8380141			
		US 8976732			
KPN-01	EP 0716797				
		AU 76146/94			
		BE (EP) 0716797			
		CH (EP) 0716797			
		DE (EP) 0716797			
		DK (EP) 0716797			
		ES (EP) 0716797			
		FI 960939			
		FR (EP) 0716797			
		GB (EP) 0716797			
		IE (EP) 0716797			
		IT (EP) 0716797			
		JP 3525258			
		NL (EP) 0716797			
		NO 315349			
		PT (EP) 0716797			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		SE (EP) 0716797			
KPN-02	EP 831613		1	802.11-2012	3.1, 5.1.1.1, 5.1.5, 6.3, 8.2.1, 8.2.3, 8.2.4.8, 8.3.2, 8.3.2.2, 8.4.2.24.9, 8.6, 8.6.1, 8.6.2, 9.3.2.2, 11.4.3.2, 11.4.3.3.1, 11.4.3.3.6, 11.4.3.4.2
		BE (EP) 831613			
		CH (EP) 831613			
		DE (EP) 831613			
		ES (EP) 831613			
		FI (EP) 831613			
		FR (EP) 831613			
		GB (EP) 831613			
		IE (EP) 831613			
		IT (EP) 831613			
		NL (EP) 831613			
		SE (EP) 831613			
KPN-03	EP 0785692		1	802.11-2012	4.1, 4.3.1, 4.5.3.3, 8.4.2.81
		DE (EP) 0785692			
		ES (EP) 0785692			
		FR (EP) 0785692			
		GB (EP) 0785692			
		NL (EP) 0785692			
		NL (EP) 1001561			
KPN-04	EP 2076090		1	802.11-2012	4.5.9, 10.24.7
		EP 2357627			
		DE (EP) 2357627			
		DE (EP)2076090			
		FI (EP) 2357627			
		FI (EP) 2076090			
		FR (EP) 2357627			
		FR (EP) 2076090			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		GB (EP) 2357627			
		GB (EP) 2076090			
		NL (EP) 2357627			
		NL (EP) 2076090			
		SE (EP) 2357627			
		SE (EP) 2076090			
		CN101466085 B			
		US 2009-0163170			
		JP 5356004			
ORA-01	EP 2499865		1, 5	802.11ac	8.3.1.5, 9.17a, 10.2.1.19, 22.1.3.1, 22.1.3.2, 22.2.1, 22.2.2, 10.2.1.19
		CN ZL 201080051448		802.11-2012	8.1, 8.3.1.5
		DE (EP) 2499865			
		ES (EP) 2499865			
		FR (EP) 2499865			
		GB (EP) 2499865			
		IT (EP) 2499865			
		JP 5774017			
		RU 2560929			
ORA-02	EP 0616445		1, 9, 10	802.11n	20, 20.1, 20.1.1, 20.3, 20.3.2, 20.3.3, 20.3.4, 20.3.7, 20.3.11, 20.3.11.3, 20.3.21.7.4,
		FR 2702904			
		GB (EP) 0616445			
		IT (EP) 0616445			
		DE (EP) 0616445			
ORA-03	EP 0820172		3, 4, 5	802.11a	17.3.5.8, 17.3.5.9
				802.11n	20.3.11.9
		DE (EP) 0820172			
		ES (EP) 0820172			

Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		FR 9100654			
		GB (EP) 0820172			
		IT (EP) 0820172			
		NL (EP) 0820172			
		SE (EP) 0820172			
		CA 2059455			
		AU 655959			
		JP 3044899			
ORA-04	EP 0448492		1	802.11n	20.1.1, 20.3.4, 20.3.9.4.3, 20.3.11, 20.3.11.3, 20.3.11.4, 20.3.21.7.3, 20.3.23
		DE (EP) 0448492			
		GB (EP) 0448492			
		FR 2660131			
		US 5197061			
ORA-05	EP 0441730		1, 14	802.11a	17.2.2, 17.3.3, 17.3.4, 17.3.5, 17.3.9
				802.11g	19.1.2, 19.1.3
		DE (EP) 0441730			
		FR 2658017			
		GB (EP) 0441730			
		US 5228025			
COL-01	US 8537922		1	802.11-2012	4.3.8.1, 9.29.1, 9.29.2.1, 9.29.2.4.1, 9.29.2.4.3, 10.8.1, 10.8.2, 10.8.4, 10.8.6, 20.3.20.3, 20.3.21.6
COL-02	US 9036605		1	802.11-2012	4.3.8.1, 4.3.8.2, 8.4.2.23.7, 8.4.2.38, 10.11.9.1, 10.11.18
		US 8750242			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
ENA-01	US 9307557		6	802.11n	3A.61, 5.2.9, 9.9.1.7, 9.13.4, 11.14.2, 11.15.1, 20.1.1, 20.1.4, 20.3.1, 20.3.2, 20.3.9.3.5, Table 20-1
		US 8023481			
		US 8611322			
		CN ZL200780002334.0			
		JP 5096372			
		MX 281770			
		KR 100782844			
		EP 1972102			
		NL (EP) 1972102			
ENA-02	US 7688767		1	802.11n	7.3.1.24, 7.2.1.25, 7.3.2.27, 7.4.10.4, 9.16.1.2, 9.16.1.3, 9.16.1.5
		US 7701888			
		US 7701889			
		US 7660274			
		US 7656832			
		US 7688831			
		US 7706816			
		US 7688769			
		US 7688770			
		US7688176			
		ES (EP) 1777879			
		FI (EP) 1777879			
		FR (EP) 1777879			
		NL (EP) 1777879			
		SE (EP) 1777879			
		DE (EP) 1777879			
		GB (EP) 1777879			
		IT (EP) 1777879			
		DE (EP) 1873974			
		ES (EP) 1873974			



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		FR (EP) 1873974			
		GB (EP) 1873974			
		IT (EP) 1873974			
		NL (EP) 1873974			
		GB (EP) 1873975			
		DE (EP) 1873975			
		IT (EP) 1873975			
		FR (EP) 1873975			
		ES (EP) 1873975			
		NL (EP) 1873975			
		KR 100615139			
		KR 100678273			
		KR 100678274			
		KR 100689412			
		KR 100615141			
		KR 101249079			
		JP 4704471			
		JP 4704472			
		CN ZL200680038644.3			
		CN ZL200680038377.X			
ENA-03	US7668130		1	802.11n	7.3.1.24, 7.2.1.25, 7.3.2.27, 7.4.10.4, 9.16.1.2, 9.16.1.3, 9.16.1.5
		US 7668131			
		US 7688768			
		US 8068476			
		US 7672259			
		ES (EP) 1777880			
		NL (EP) 1777880			
		FR (EP) 1777880			
		IT (EP) 1777880			
		DE (EP) 1777880			
		GB (EP) 1777880			
		GB (EP) 1871041			
		DE (EP) 1871041			
		ES (EP) 1871041			
		NL (EP) 1871041			

Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		IT (EP) 1871041			
		FR (EP) 1871041			
		DE (EP) 1777878			
		ES (EP) 1777878			
		FR (EP) 1777878			
		GB (EP) 1777878			
		IT (EP) 1777878			
		NL (EP) 1777878			
		KR 100615140			
		JP 4704470			
		CN ZL200680038332.2			
		CN 101288250			
ENA-04	US 7944874		1	802.11-2007	7.2.1.5
				802.11n	9.9.1.7
		CN ZL200680050559.9			
		MX 281773			
		JP 5209497			
		NL (EP) 2595443			
		NL (EP) 1969771			
ENA-05	US 7859987		23	802.11n	20.3.3, 20.3.11.7.2, 20.3.11.7.3, 20.6, Table 20-28
				802.11ac	22.3.3, 22.3.6, 22.3.10.6, 22.3.10.8, Table 22-6
		CN ZL200680047869.5			
		JP 5592346			
		MX 281219			
		KR 101358324			
AEG-01	KR 10-0622108		11	802.11b	16.2.5.1, 16.2.3.4, 16.2.3.5, 18.1.1
	US 8179893		35, 59	802.11n	6.1.3, 7.1.3.5, 7.1.3.5.8, 7.2.2.2, 7.4a.1, 7.4a.3
		US 6791963			
		US 7545807			
		US 7792149			
		US 8401011			
		US 9019966			
		US 8204059			
		KR 10-0619598			
		KR 10-0640938			

Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		DE (EP) 0991208			
		FI (EP) 0991208			
		FR (EP) 0991208			
		GB (EP) 0991208			
		IT (EP) 0991208			
		NL (EP) 0991208			
		SE (EP) 0991208			
		DE (EP) 1538763			
		FR (EP) 1538763			
		NL (EP) 1538763			
		IT (EP) 1538763			
		SE (EP) 1538763			
		ES (EP) 1538763			
		FI (EP) 2017979			
		FR (EP) 2017979			
		GB (EP) 2017979			
		IT (EP) 2017979			
		NL (EP) 2017979			
		SE (EP) 2017979			
		DE (EP) 2017979			
		ES (EP) 2017979			
		GB (EP) 2023510			
		DE (EP) 2023510			
AEG-03	KR 10-0559979		15		
	US 7299062		1	802.11n	7.3.2.52.2, 7.3.1.28, 7.4.8.4,9.15.1.1, 9.15.1.3
		US 7536193			
		US 8351966			
		US 8064941			
		DE (EP) 1609330			

Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
		GB (EP) 1609330			
		FR (EP) 1609330			
		CN ZL 200480001655.5			
		CN ZL200810178204.9			
		CN ZL200910225006.8			
		JP 4195035			
		JP 4741040			
		AU 2004225409			
		IN 222234			
		ID IDP0023530			
		MX 252323			
		RU 2347327			
		UN 81467			
		SF 200503478			
		KZ 19344			
		BR PI0409071-3			
		HK 1082147			
AEG-04	KR 10-0606661		9	802.11e	7.1.3.5, 7.1.3.5.3, 7.1.3.5.6, 9.9.2.1, 9.9.2.2, 9.9.2.3.1
	US 7995613		34	802.11e	7.1.3.1.2, 7.1.3.5, 7.1.3.5.1, 7.1.3.5.3, 9.9.2.3.1
		US 8045583			
		KR 10-0746069			
AEG-05	US 678559		1	802.11h	7.3.2.17, 7.3.2.18, 7.4.1.3, 7.4.1.4, 11.5.4
		US RE41389			
		US RE41407			
		US RE42369			
		US RE42348			
AEG-06	US 646993		25	802.11e	6.1.1.2, 7.1.3.5.1, 7.4.2.2, 7.3.2.28, 9.1.3.2, 9.9.2, 9.9.2.3, 9.9.3.2, 11.4.4



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
AEG-07	US 7308278		1	802.11e	6.1.1, 6.1.1.2, 6.1.3, 7.1.3.5, 7.1.3.4.1, 7.1.3.5.1, Table 22d
		US 7623887			
		US 8380232			
		US 7869758			
		US 8010039			
		KR 10-0860581			
		DE (EP) 1506638			
		GB (EP) 1506638			
		CN ZL 03811329.5			
		CN ZL200910225016.1			
		IN 225958			
		RU 2287224			
	MX 252703				
AEG-08	US 7616592		2	802.11e	7.1.3.5.6, 7.2.2, Table 3a
				802.11-2007	5.7, 7.1.3.1, 7.1.3.1.4, 7.1.3.1.5
		US 6614778			
		US 7907553			
		US 7907554			
	KR 10-0290862				
AEG-09	US 7653025		1	802.11e	7.3.2.28, 9.1.3.2, 9.9.3.2, 11.4, 11.4.1, 11.4.6
		US 7245595			
		US 8767635			
		KR 10-0841296			
		KR 10-0841328			
		KR 10-0841325			
		KR 10-0841326			
	CN ZL 02126162.8				



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Family Code	Exemplary Member	Family Members	Claims	Technical Standard	Illustrative Standard Coverage
AEG-10	US 6839553		1, 14	802.11i	8.5.1.2, 8.5.3.1.4, 8.5.3.2.4, 8.5.3.3.4, 8.5.3.4, 10.3.17.1, 10.3.17.1.3, 10.3.17.1.4
				802.11-2012	4.10.3.2
		US 6408175			
		KR 10-0315641			
		CN ZL 99125575.5			
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