

Above 1GHz-40GHz – 802.11n-40M – 5510MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4090.55	38.09	8.73	15.35	62.17	Peak Max	V	162	8	74	-11.83	Pass
6165.73	36.15	10.69	14.19	61.02	Peak Max	H	239	77	74	-12.98	Pass
2010.16	40.12	4.29	14.97	59.37	Peak Max	H	126	49	74	-14.63	Pass
4090.55	26.09	8.73	15.35	50.17	Average Max	V	162	8	54	-3.83	Pass
6165.73	24.58	10.69	14.19	49.46	Average Max	H	239	77	54	-4.55	Pass
2010.16	28.19	4.29	14.97	47.44	Average Max	H	126	49	54	-6.56	Pass

Above 1GHz-40GHz – 802.11n-40M – 5550MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4260.82	37.03	9.15	14.62	60.8	Peak Max	V	176	266	74	-13.2	Pass
6151.50	36.45	10.67	14.22	61.34	Peak Max	V	181	354	74	-12.66	Pass
2062.55	39.97	4.34	14.8	59.11	Peak Max	H	184	136	74	-14.89	Pass
4260.82	25.2	9.15	14.62	48.97	Average Max	V	176	266	54	-5.03	Pass
6151.50	24.6	10.67	14.22	49.49	Average Max	V	181	354	54	-4.51	Pass
2062.55	28.11	4.34	14.8	47.25	Average Max	H	184	136	54	-6.76	Pass

Above 1GHz-40GHz – 802.11n-40M – 5670MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4092.81	36.89	8.74	15.34	60.97	Peak Max	V	168	62	74	-13.03	Pass
6131.33	36.15	10.65	14.27	61.07	Peak Max	V	161	320	74	-12.93	Pass
2018.52	39.83	4.3	14.94	59.07	Peak Max	H	172	350	74	-14.94	Pass
4092.81	25.63	8.74	15.34	49.71	Average Max	V	168	62	54	-4.29	Pass
6131.33	24.6	10.65	14.27	49.52	Average Max	V	161	320	54	-4.48	Pass
2018.52	28.1	4.3	14.94	47.33	Average Max	H	172	350	54	-6.67	Pass

Above 1GHz-40GHz – 802.11ac-80M – 5530MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4030.06	37.74	8.58	15.62	61.94	Peak Max	H	114	338	74	-12.06	Pass
6184.82	36.13	10.71	14.14	60.99	Peak Max	V	209	155	74	-13.01	Pass
1987.29	39.55	4.27	14.9	58.73	Peak Max	V	201	195	74	-15.28	Pass
4030.06	25.61	8.58	15.62	49.8	Average Max	H	114	338	54	-4.2	Pass
6184.82	24.35	10.71	14.14	49.21	Average Max	V	209	155	54	-4.79	Pass
1987.29	28.09	4.27	14.9	47.27	Average Max	V	201	195	54	-6.73	Pass

Above 1GHz-40GHz – 802.11ac-80M – 5610MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4028.42	37.12	8.57	15.62	61.32	Peak Max	V	121	270	74	-12.68	Pass
6204.50	36.06	10.74	14.1	60.89	Peak Max	V	199	47	74	-13.11	Pass
2009.69	40.48	4.29	14.97	59.73	Peak Max	V	183	3	74	-14.27	Pass
4028.42	25.72	8.57	15.62	49.91	Average Max	V	121	270	54	-4.09	Pass
6204.50	24.78	10.74	14.1	49.61	Average Max	V	199	47	54	-4.39	Pass
2009.69	28.35	4.29	14.97	47.6	Average Max	V	183	3	54	-6.4	Pass

















Above 1GHz - 40GHz- Collocation testing (2.4GHz WLAN & 5GHz WLAN on the main-board transmitting simultaneously)






Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6119.48	36.11	10.63	14.3	61.04	Peak Max	V	163	262	74	6119.48	Pass
4250.49	37.38	9.12	14.67	61.17	Peak Max	H	154	255	74	4250.49	Pass
2007.57	41.39	4.29	14.98	60.65	Peak Max	V	168	337	74	2007.57	Pass
6119.48	24.5	10.63	14.3	49.43	Average Max	V	163	262	54	6119.48	Pass
4250.49	25.78	9.12	14.67	49.57	Average Max	H	154	255	54	4250.49	Pass
2007.57	28.28	4.29	14.98	47.54	Average Max	V	168	337	54	2007.57	Pass

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Conducted Emissions						
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	<input checked="" type="checkbox"/>
CHASE LISN	MN2050B	1018	08/07/2015	1 Year	08/07/2016	<input checked="" type="checkbox"/>
Radiated Emissions						
R & S Receiver	ESL6	100178	05/27/2015	1 Year	05/27/2016	<input checked="" type="checkbox"/>
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	<input checked="" type="checkbox"/>
ETS-Lingren Loop Antenna	6512	00049120	05/12/2015	1 Year	05/12/2016	<input checked="" type="checkbox"/>
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	08/12/2015	1 Year	08/12/2016	<input checked="" type="checkbox"/>
3 Meters SAC	3M	N/A	08/08/2015	1 Year	08/08/2016	<input checked="" type="checkbox"/>
10 Meters SAC	10M	N/A	09/05/2015	1 Year	09/05/2016	<input checked="" type="checkbox"/>
RF Conducted Measurement						
Spectrum Analyzer	N9010A	10SL0219	08/20/2015	1 Year	08/20/2016	<input checked="" type="checkbox"/>
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	<input checked="" type="checkbox"/>
ETS-Lingren USB RF Power Sensor	7002-006	10SL0190	09/03/2015	1 Year	09/03/2016	<input checked="" type="checkbox"/>

Annex B. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)		Please see the documents for the detailed scope
ISO Guide 65 (A2LA)		Please see the documents for the detailed scope
TCB Designation		A1, A2, A3, A4, B1, B2, B3, B4, C
FCC DoC Accreditation		FCC Declaration of Conformity Accreditation
FCC Site Registration		3 meter site
FCC Site Registration		10 meter site
IC Site Registration		3 meter site
IC Site Registration		10 meter site
EU NB		Radio & Telecommunications Terminal Equipment: EN45001 – EN ISO/IEC 17025
		Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025
Singapore iDA CB(Certification Body)	 	Phase I, Phase II
Vietnam MIC CAB Accreditation		Please see the document for the detailed scope
Hong Kong OFCA		(Phase II) OFCA Foreign Certification Body for Radio and Telecom
		(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB		Radio: Scope A – All Radio Standard Specification in Category I
		Telecom: CS-03 Part I, II, V, VI, VII, VIII

Japan Recognized Certification Body Designation		<p>Radio: A1. Terminal equipment for purpose of calling</p> <p>Telecom: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law</p>
Korea CAB Accreditation		<p>EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI</p> <p>EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS</p>
		<p>Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68</p> <p>Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4</p>
Taiwan NCC CAB Recognition		LP0002, PSTN01, ADSL01, ID0002, IS6100, CNS14336, PLMN07, PLMN01, PLMN08
Taiwan BSMI CAB Recognition		CNS 13438
Japan VCCI		R-3083: Radiation 3 meter site
		<p>C-3421: Main Ports Conducted Interference Measurement</p> <p>T-1597: Telecommunication Ports Conducted Interference Measurement</p>
Australia CAB Recognition		<p>EMC: AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4</p>
		<p>Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771</p>
		<p>Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1</p>
Australia NATA Recognition		AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016, AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2