

Product : Tablet PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5470.000	18.334	-62.380	-44.046	-17.046	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5470.000	19.335	-65.980	-46.645	-19.645	-27.000	Pass

Product : Tablet PC
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 134

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5725.000	18.649	-76.970	-58.321	-31.321	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5725.000	19.372	-77.430	-58.058	-31.058	-27.000	Pass

8. Frequency Stability

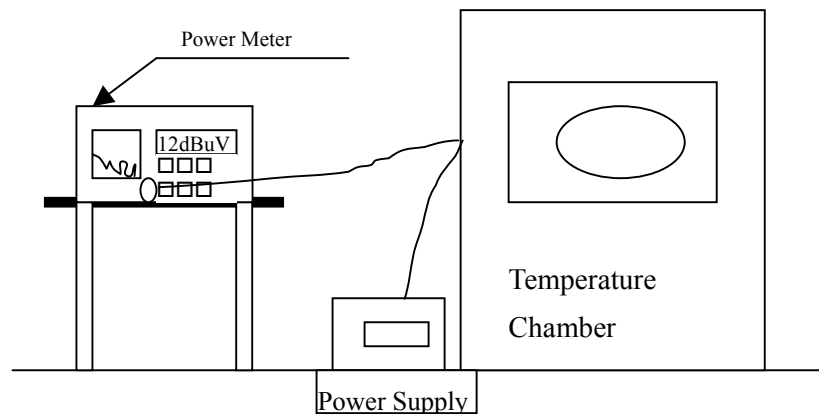
8.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

8.2. Test Setup



8.3. Limits

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

8.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

± 150 Hz

8.6. Test Result of Frequency Stability

Product : Tablet PC
 Test Item : Frequency Stability
 Test Site : Temperature Chamber
 Test Mode : Carrier Wave

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tnom (25) °C	Vnom (120)V	36	5180.0000	5180.0073	-0.0073
		38	5190.0000	5190.0093	-0.0093
		44	5220.0000	5220.0096	-0.0096
		46	5230.0000	5230.0081	-0.0081
		48	5240.0000	5240.0098	-0.0098
		52	5260.0000	5260.0085	-0.0085
		54	5270.0000	5270.0099	-0.0099
		60	5300.0000	5300.0091	-0.0091
		62	5310.0000	5310.0101	-0.0101
		64	5320.0000	5320.0103	-0.0103
		100	5500.0000	5500.0099	-0.0099
		102	5510.0000	5510.0101	-0.0101
		110	5550.0000	5550.0100	-0.0100
		116	5580.0000	5580.0098	-0.0098
		134	5670.0000	5670.0101	-0.0101
		140	5700.0000	5700.0094	-0.0094

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmax (60) °C	Vmax (138)V	36	5180.0000	5180.0060	-0.0060
		38	5190.0000	5190.0098	-0.0098
		44	5220.0000	5220.0097	-0.0097
		46	5230.0000	5230.0086	-0.0086
		48	5240.0000	5240.0097	-0.0097
		52	5260.0000	5260.0086	-0.0086
		54	5270.0000	5270.0097	-0.0097
		60	5300.0000	5300.0084	-0.0084
		62	5310.0000	5310.0101	-0.0101
		64	5320.0000	5320.0100	-0.0100
		100	5500.0000	5500.0067	-0.0067
		102	5510.0000	5510.0101	-0.0101
		110	5550.0000	5550.0095	-0.0095
		116	5580.0000	5580.0088	-0.0088
		134	5670.0000	5670.0098	-0.0098
140	5700.0000	5700.0096	-0.0096		
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmax (60) °C	Vmin (102)V	36	5180.0000	5180.0061	-0.0061
		38	5190.0000	5190.0091	-0.0091
		44	5220.0000	5220.0096	-0.0096
		46	5230.0000	5230.0084	-0.0084
		48	5240.0000	5240.0097	-0.0097
		52	5260.0000	5260.0085	-0.0085
		54	5270.0000	5270.0097	-0.0097
		60	5300.0000	5300.0086	-0.0086
		62	5310.0000	5310.0100	-0.0100
		64	5320.0000	5320.0100	-0.0100
		100	5500.0000	5500.0068	-0.0068
		102	5510.0000	5510.0101	-0.0101
		110	5550.0000	5550.0095	-0.0095
		116	5580.0000	5580.0097	-0.0097
		134	5670.0000	5670.0099	-0.0099
140	5700.0000	5700.0093	-0.0093		

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) °C	Vmax (138)V	36	5180.0000	5180.0101	-0.0101
		38	5190.0000	5190.0090	-0.0090
		44	5220.0000	5220.0096	-0.0096
		46	5230.0000	5230.0097	-0.0097
		48	5240.0000	5240.0093	-0.0093
		52	5260.0000	5260.0083	-0.0083
		54	5270.0000	5270.0097	-0.0097
		60	5300.0000	5300.0088	-0.0088
		62	5310.0000	5310.0101	-0.0101
		64	5320.0000	5320.0101	-0.0101
		100	5500.0000	5500.0094	-0.0094
		102	5510.0000	5510.0095	-0.0095
		110	5550.0000	5550.0101	-0.0101
		116	5580.0000	5580.0097	-0.0097
		134	5670.0000	5670.0101	-0.0101
140	5700.0000	5700.0096	-0.0096		
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) °C	Vmin (102)V	36	5180.0000	5180.0101	-0.0101
		38	5190.0000	5190.0090	-0.0090
		44	5220.0000	5220.0096	-0.0096
		46	5230.0000	5230.0097	-0.0097
		48	5240.0000	5240.0093	-0.0093
		52	5260.0000	5260.0083	-0.0083
		54	5270.0000	5270.0097	-0.0097
		60	5300.0000	5300.0088	-0.0088
		62	5310.0000	5310.0101	-0.0101
		64	5320.0000	5320.0101	-0.0101
		100	5500.0000	5500.0094	-0.0094
		102	5510.0000	5510.0095	-0.0095
		110	5550.0000	5550.0101	-0.0101
		116	5580.0000	5580.0097	-0.0097
		134	5670.0000	5670.0101	-0.0101
140	5700.0000	5700.0096	-0.0096		

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tnom (25) °C	Vnom (120)V	36	5180.0000	5180.0072	-0.0072
		38	5190.0000	5190.0092	-0.0092
		44	5220.0000	5220.0094	-0.0094
		46	5230.0000	5230.0085	-0.0085
		48	5240.0000	5240.0102	-0.0102
		52	5260.0000	5260.0087	-0.0087
		54	5270.0000	5270.0102	-0.0102
		60	5300.0000	5300.0094	-0.0094
		62	5310.0000	5310.0100	-0.0100
		64	5320.0000	5320.0104	-0.0104
		100	5500.0000	5500.0101	-0.0101
		102	5510.0000	5510.0103	-0.0103
		110	5550.0000	5550.0102	-0.0102
		116	5580.0000	5580.0102	-0.0102
		134	5670.0000	5670.0103	-0.0103
		140	5700.0000	5700.0096	-0.0096

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmax (60) °C	Vmax (138)V	36	5180.0000	5180.0062	-0.0062
		38	5190.0000	5190.0101	-0.0101
		44	5220.0000	5220.0101	-0.0101
		46	5230.0000	5230.0088	-0.0088
		48	5240.0000	5240.0100	-0.0100
		52	5260.0000	5260.0088	-0.0088
		54	5270.0000	5270.0100	-0.0100
		60	5300.0000	5300.0085	-0.0085
		62	5310.0000	5310.0103	-0.0103
		64	5320.0000	5320.0102	-0.0102
		100	5500.0000	5500.0071	-0.0071
		102	5510.0000	5510.0104	-0.0104
		110	5550.0000	5550.0098	-0.0098
		116	5580.0000	5580.0101	-0.0101
		134	5670.0000	5670.0102	-0.0102
140	5700.0000	5700.0098	-0.0098		
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmax (60) °C	Vmin (102)V	36	5180.0000	5180.0063	-0.0063
		38	5190.0000	5190.0100	-0.0100
		44	5220.0000	5220.0099	-0.0099
		46	5230.0000	5230.0086	-0.0086
		48	5240.0000	5240.0100	-0.0100
		52	5260.0000	5260.0086	-0.0086
		54	5270.0000	5270.0100	-0.0100
		60	5300.0000	5300.0087	-0.0087
		62	5310.0000	5310.0103	-0.0103
		64	5320.0000	5320.0102	-0.0102
		100	5500.0000	5500.0070	-0.0070
		102	5510.0000	5510.0104	-0.0104
		110	5550.0000	5550.0100	-0.0100
		116	5580.0000	5580.0099	-0.0099
		134	5670.0000	5670.0101	-0.0101
140	5700.0000	5700.0096	-0.0096		

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) °C	Vmax (138)V	36	5180.0000	5180.0103	-0.0103
		38	5190.0000	5190.0092	-0.0092
		44	5220.0000	5220.0098	-0.0098
		46	5230.0000	5230.0101	-0.0101
		48	5240.0000	5240.0095	-0.0095
		52	5260.0000	5260.0085	-0.0085
		54	5270.0000	5270.0100	-0.0100
		60	5300.0000	5300.0091	-0.0091
		62	5310.0000	5310.0105	-0.0105
		64	5320.0000	5320.0101	-0.0101
		100	5500.0000	5500.0095	-0.0095
		102	5510.0000	5510.0098	-0.0098
		110	5550.0000	5550.0103	-0.0103
		116	5580.0000	5580.0101	-0.0101
		134	5670.0000	5670.0104	-0.0104
140	5700.0000	5700.0099	-0.0099		
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
Tmin (-20) °C	Vmin (102)V	36	5180.0000	5180.0104	-0.0104
		38	5190.0000	5190.0093	-0.0093
		44	5220.0000	5220.0099	-0.0099
		46	5230.0000	5230.0099	-0.0099
		48	5240.0000	5240.0096	-0.0096
		52	5260.0000	5260.0086	-0.0086
		54	5270.0000	5270.0101	-0.0101
		60	5300.0000	5300.0095	-0.0095
		62	5310.0000	5310.0104	-0.0104
		64	5320.0000	5320.0103	-0.0103
		100	5500.0000	5500.0099	-0.0099
		102	5510.0000	5510.0099	-0.0099
		110	5550.0000	5550.0102	-0.0102
		116	5580.0000	5580.0101	-0.0101
		134	5670.0000	5670.0102	-0.0102
140	5700.0000	5700.0099	-0.0099		

9. EMI Reduction Method During Compliance Testing

No modification was made during testing.