Radio Test Report: EDCS - 548082

For

CP-7921G 5GHz Radio

Against the following Specifications :

FCC CFR 47 part 15.247

FCC CFR 47 part 15.407

RSS-210

RSS-102

Cisco Systems

EMC Laboratory

170 West Tasman Drive

San Jose, CA 95134

ACCREDITED

Certificate Number : 1178-01

Author: Phillip Carranco
Approved By: Craig Mullis
Title: Regulatory Compliance Manager

This report replaces any previously entered test report under EDCS - 548082

This test report has been electronically authorized and archived using the CISCO Engineering Document Control system.

Section 1: Overview

Test Summary

The samples were assessed against the tests detailed in section 3 under the requirements of the following standards:

Emissions:
CFR47 Part 15.247
CFR47 Part 15.407
RSS-210
RSS-102

Notes:

1) Measurements were made in accordance with FCC docket #: DA-02-2138A1, KDB Publication No. 558074 & measurement method of spurious emission tolerance to the International Telecommunication Union (ITU) Recommendation SM329.

Section 2: Assessment Information

2.1 General

This report must not be used to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the federal Government.

This report may contain data that is not enveloped by the scope of the A2LA accreditation (A2LA certificate number 1178-01). Please refer to Appendix C for further details.

With regard to this assessment, the following points should be noted:

a) The results contained in this report relate only to the items tested and were obtained in the period between the date of the initial assessment and the date of issue of the report. Manufactured products will not necessarily give identical results, due to production tolerances and measurement uncertainties.

b) The apparatus was set up and exercised using the configuration and modes of operation defined in this report only.

c) Where relevant, the apparatus was only assessed using the susceptibility criteria defined in this report and the Test Assessment Plan (TAP).

d) All testing was performed under the following environmental conditions:

Temperature	15°C to 35°C (54°F to 95°F)
Atmospheric Pressure	860mbar to 1060mbar (25.4" to 31.3")
Humidity	10% to 75*%

e) All AC testing was performed at one or more of the following supply voltages:
110V (+/-10%) 60Hz
220V (+/-10%) 50 or 60Hz

f) Cisco Systems, Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). The scope of accreditation, certificate number 1178-01 is referenced in appendix C, along with further details.

2.2 Start Date of Testing

30-Aug-2006

2.3 Report Issue Date

Cisco Systems, Inc. uses an electronic system to issue, store and control the revision of test reports. This system is called the Engineering Document Control System (EDCS). The actual report issue date is embedded into the original file on EDCS. Any copies of this report, either electronic or paper, that are not on EDCS must be considered uncontrolled

2.4 Testing facilities

This assessment was performed by:

Testing Laboratory

Cisco Systems, Inc.,
170 West Tasman Drive
San Jose, CA 95134,
USA

Registration Numbers for Industry Canada

Cisco System Site	Site Identifier
Building P, 10m Chamber	Company #: 4624-2
Building P, 5m Chamber	Company #: 4624-1
Building N, 5m Chamber	Company #: 6111
Building I, 5m Chamber	Company #: 6112

Test Engineers

Jose Aguirre, Phillip Carranco

2.5 Equipment Assessed (EUT)

CP-7921G 5GHz radio

2.6 EUT Description

The CP-7921G will develop the next generation 802.11 wireless IP phone that will provide greater network capacity by incorporating 802.11a/b/g, smaller form factor, color active matrix display, increased battery life, and enhanced durability as compared.

2.7 Scope of Assessment

Tests have been performed in accordance with the relevant Test and Assessment Plan (TAP), a copy of which is contained in Appendix F of this report, and the relevant Cisco Systems, Inc. radio test procedures (EDCS-420238). This test report may not cover all of the tests highlighted in the test plan.

2.8 Units of Measurement

The units of measurements defined in the appendices are reported in specific terms, which are test dependent. Where radiated measurements are concerned these are defined at a particular distance. Basic voltage measurements are defined in units of [dBuV]

As an example, the basic calculation for all measurements is as follows:

Emission level [dBuV] = Indicated voltage level [dBuV] + Cable Loss [dB] + Other correction factors [dB]

The combinations of correction factors are dependent upon the exact test configurations [see test equipment lists for further details] and may include:-

Antenna Factors, Pre Amplifier Gain, LISN Loss, Pulse Limiter Loss and Filter Insertion Loss..

Note: to convert the results from dBuV/m to uV/m use the following formula:-

Level in uV/m = Common Antilogarithm [(X dBuV/m)/20] = Y uV/m

2.9 Report Template Control No.

Revision: SJRIA 2.0

Section 3: Result Summary

Conducted emissions

Basic Standard	Result
6dB Bandwidth	Pass
99% and 26dB Bandwidth	Pass
Peak Output Power	Pass
Power Spectral Density	Pass
Peak Excursion	Pass
Conducted Spurious Emissions	Pass

Radiated emissions

Basic Standard	Result
Radiated Spurious and Harmonic Emissions	Pass
Restricted Band Edge Measurements	Pass

Section 4: Sample Details

Note: Each sample was evaluated to ensure that its condition was suitable to be used as a test sample prior to the commencement of testing. Please also refer to the "Justification for worst Case test Configuration" section of this report for further details on the selection of EUT samples.

4.1 Sample Details

Sample Number	Equipment Details	Serial Number	Part Number
S01	cp7921g	IAC102900AD	cp7921g
S02	Laptop computer	60739762u	Tecra 8100

The following antennas were evaluated as part of this testing process. The antennas listed reflect the maximum gain allowed for each family type of antenna:

Fixed Internal Antenna, Gain= 3.5dBi (no external antenna can be used)

4.2 System Details

System #	Description	Samples
1	Radio	S01
2	Support	S02

4.3 Mode of Operation Details

Mode#	Description	Comments
1	Traffic	FCC continuous-ones (802.11a/b/g)

Section 5: Modifications

5.1 Sample Modifications Performed During Assessment

No modifications were performed during assessment.

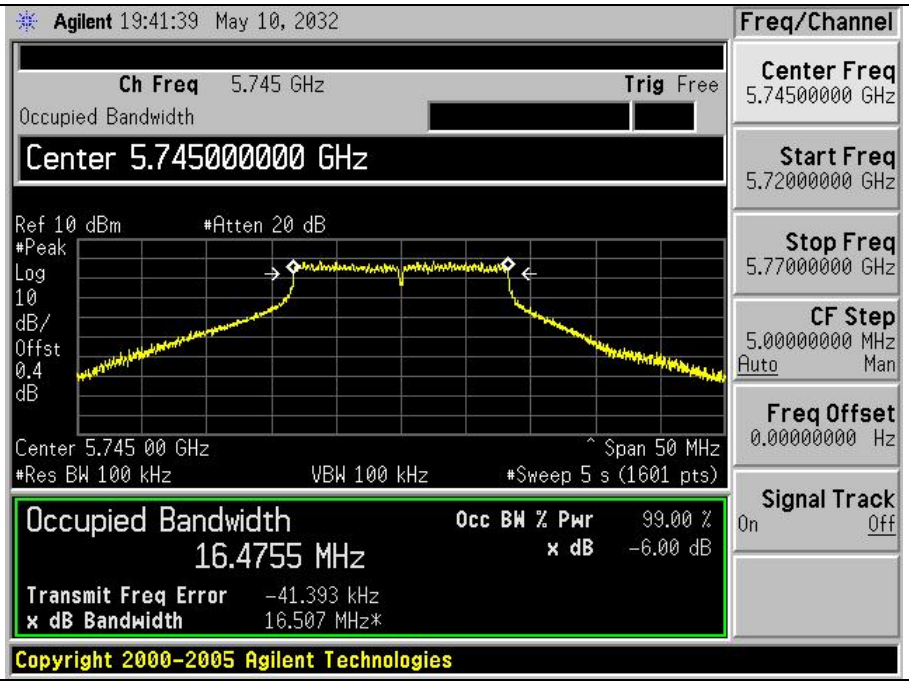
Appendix A: Formal Test Results

6dB & 99% Bandwidth

15.247 & RSS-210(A8.2) Systems using digital modulation techniques may operate in the 5725-5850MHz band. The minimum 6 dB bandwidth shall be at least 500 kHz.

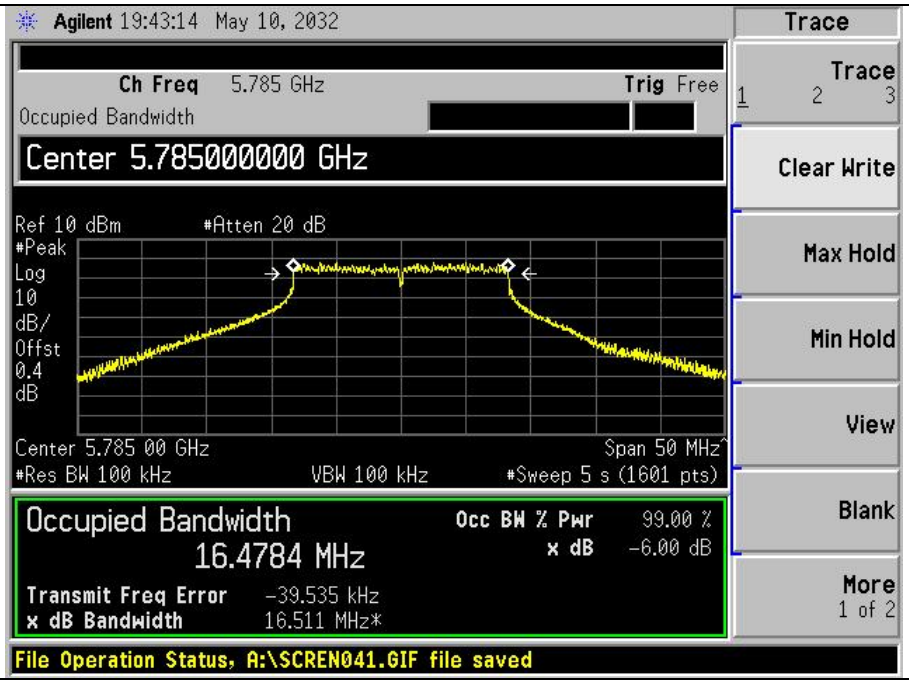
Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (kHz)	Limit (kHz)	Margin (kHz)
5745	6	16507	500	-16007
5785	6	16511	500	-16011
5805	6	16498	500	-15998

Frequency (MHz)	Data Rate (Mbps)	99% Bandwidth (kHz)
5745	6	16476
5785	6	16478
5805	6	16481

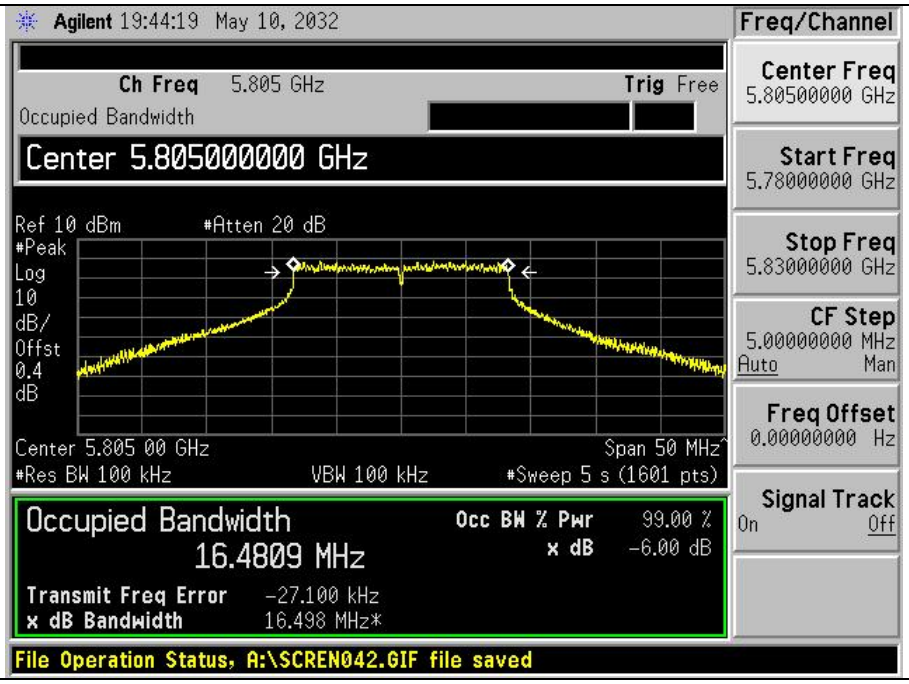


Title: 6dB Bandwidth at 5745MHz

Graphical Test Results



Title: 6dB Bandwidth at 5785MHz

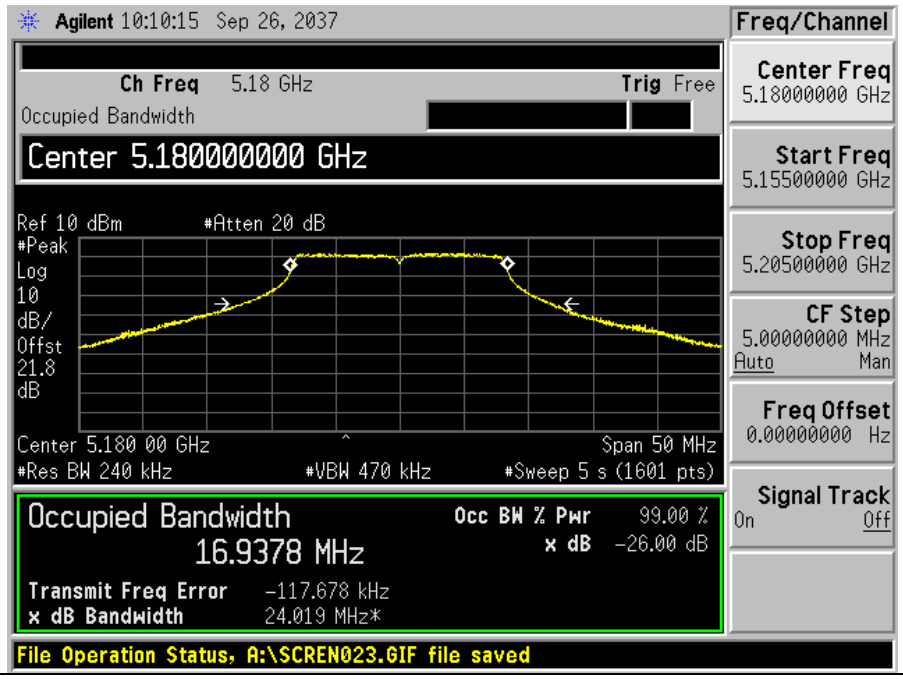


Title: 6dB Bandwidth at 5805MHz

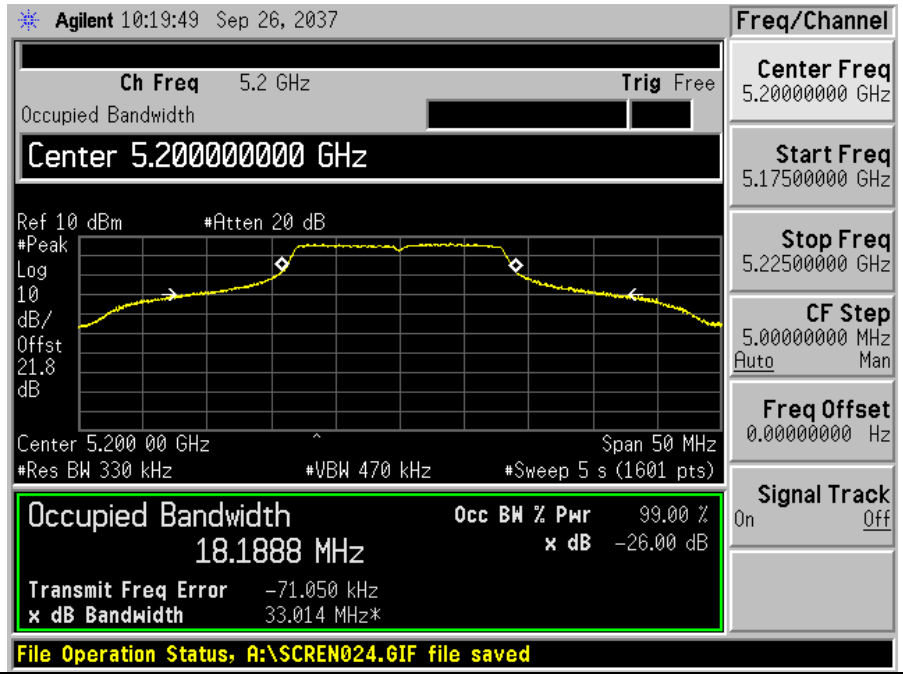
99% and 26dB Bandwidth

Frequency (MHz)	Data Rate (Mbps)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
5180	6	16.94	24.019
5200	6	18.19	33.014
5260	6	18.14	33.466
5320	6	16.90	24.052
5500	6	17.13	26.446
5600	6	17.26	26.987

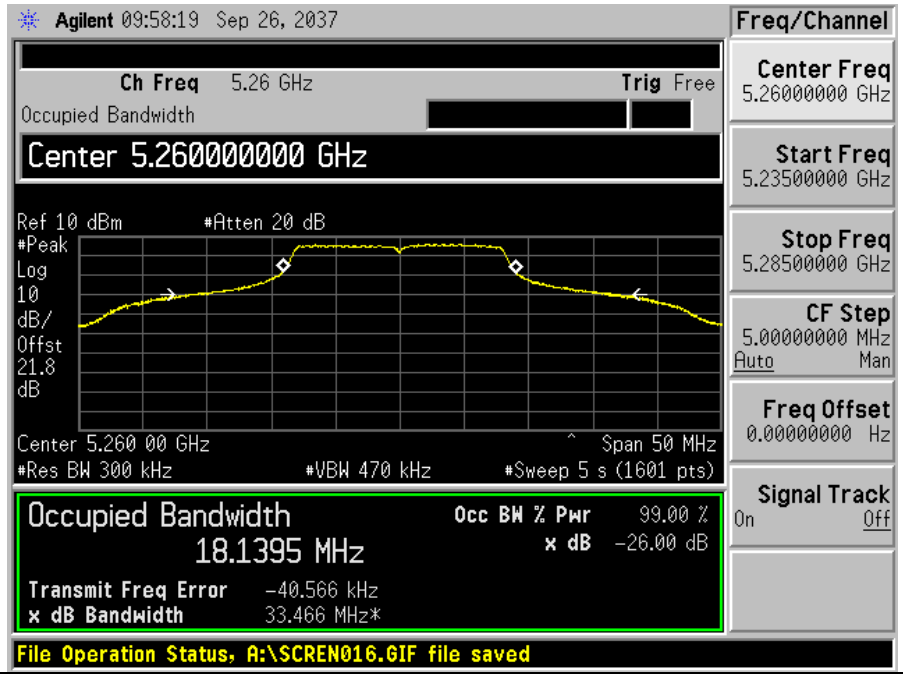
Graphical Test Results



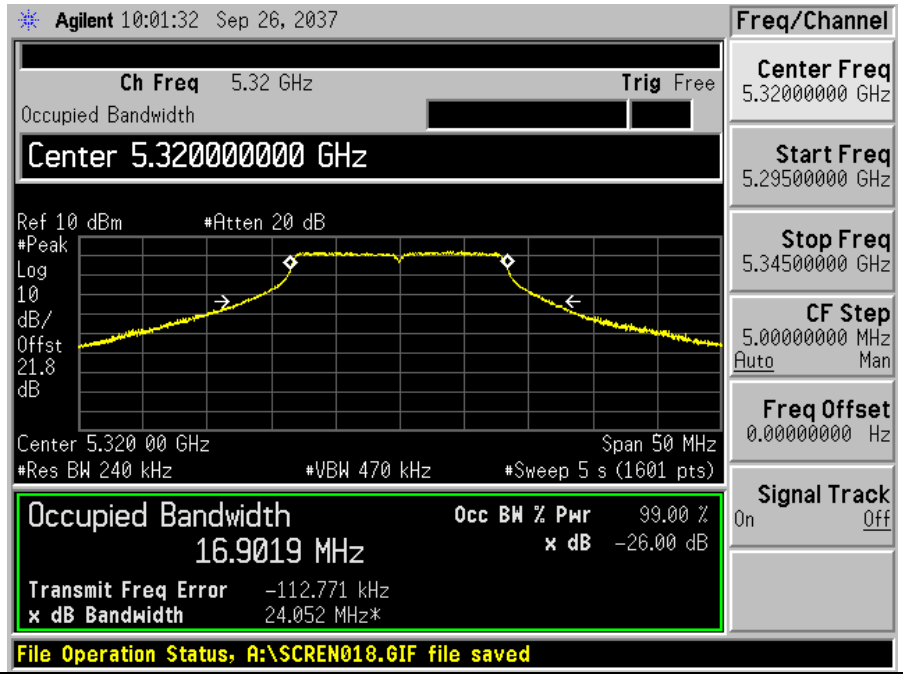
Title: 26dB Bandwidth at 5180MHz, 6Mbps



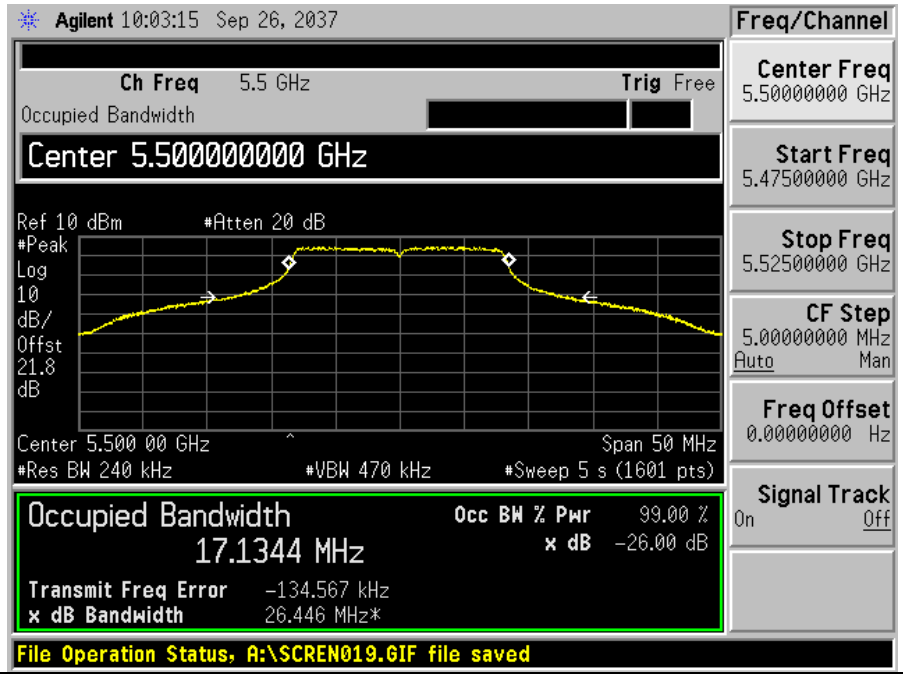
Title: 26dB Bandwidth at 5200MHz



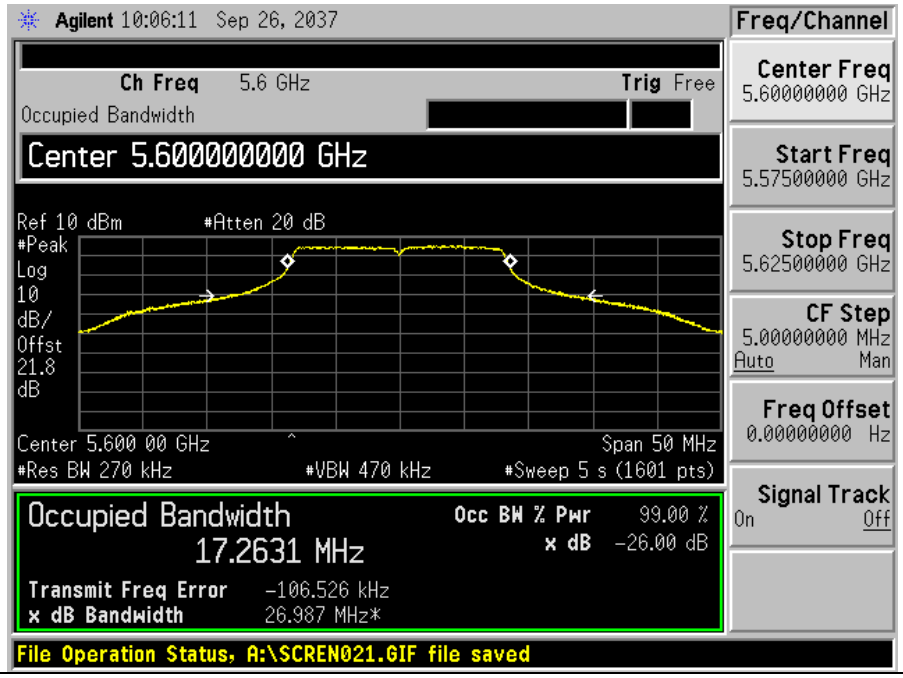
Title: 26dB Bandwidth at 5260MHz



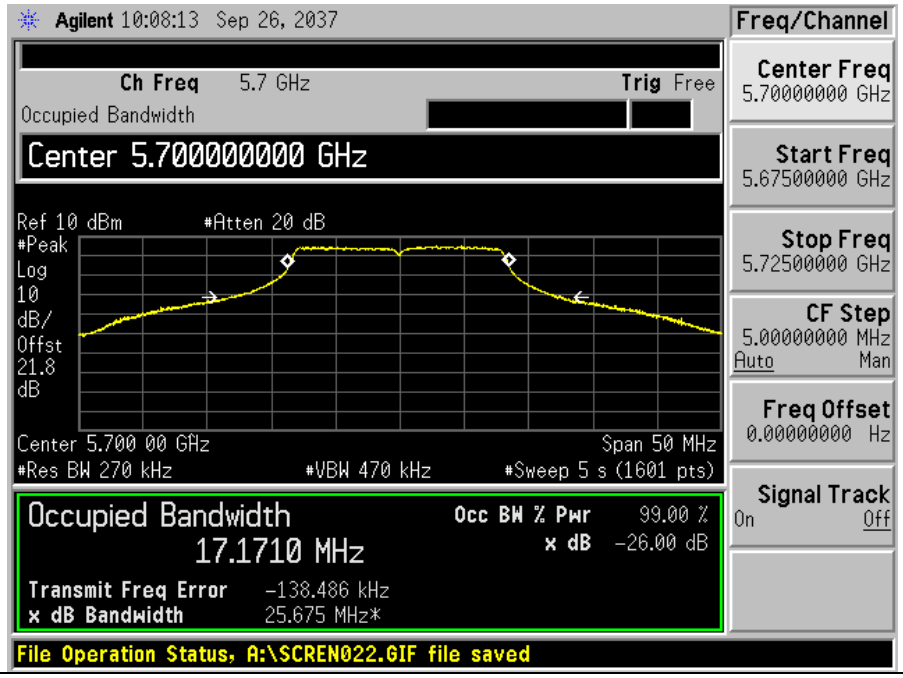
Title: 26dB Bandwidth at 5320MHz



Title: 26dB Bandwidth at 5500MHz



Title: 26dB Bandwidth at 5600MHz



Title: 26dB Bandwidth at 5700MHz

Peak Output Power

15.407 & RSS-210(A9.2):

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10 log B, where B is the 26-dB emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The smallest 26dB bandwidth for all channels is 22.319MHz. The maximum conducted output power is calculated as 4dBm+10*log(22.319MHz) = 17.48dBm. 50mW is the lesser of the two

the frequency bands of operation shall For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The smallest 26dB bandwidth for all channels is 21.803 MHz. The maximum conducted output power is calculated as 11dBm+10*log(21.803MHz) = 24.38dBm. 250mW is the lesser of the two.

15.247 & RSS-210(A8.4):

The maximum conducted output power of the intentional radiator for systems using digital modulation in the 5725-5850MHz band shall not exceed 1 Watt (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

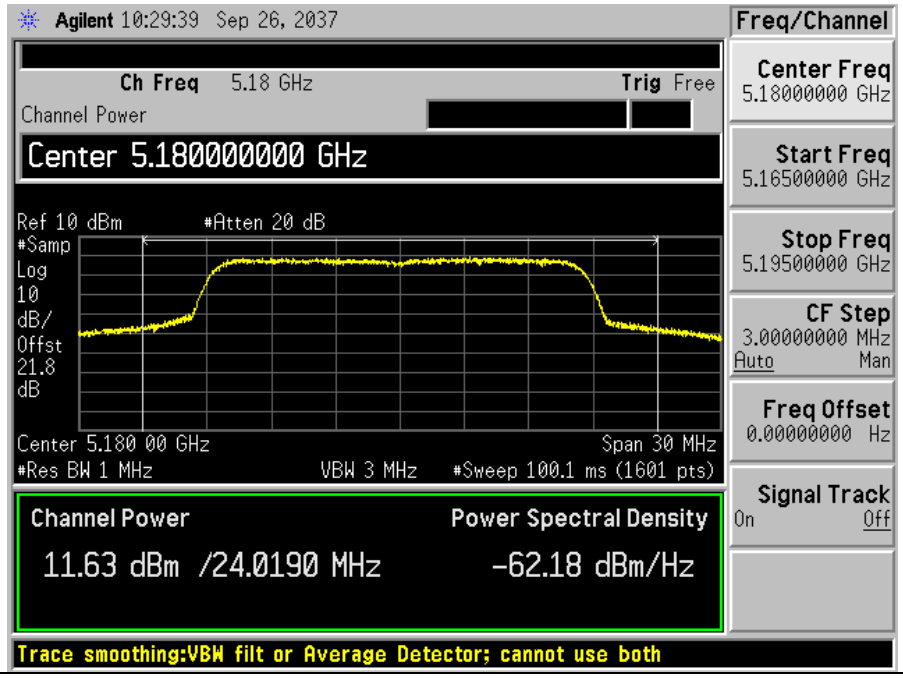
Frequency (MHz)	Data Rate (Mbps)	Peak Output Power (dBm)	Limit (dBm)	Margin (dB)
5180	6	11.63	17	-5.37
5200	6	14.96	17	-2.04
5260	6	15.04	24	-8.96
5320	6	12.10	24	-11.90
5500	6	14.66	24	-9.34
5600	6	14.75	24	-9.25
5700	6	14.59	24	-9.41

(Measurement made using FCC Public Notice DA 02-2138, August 30, 2002)

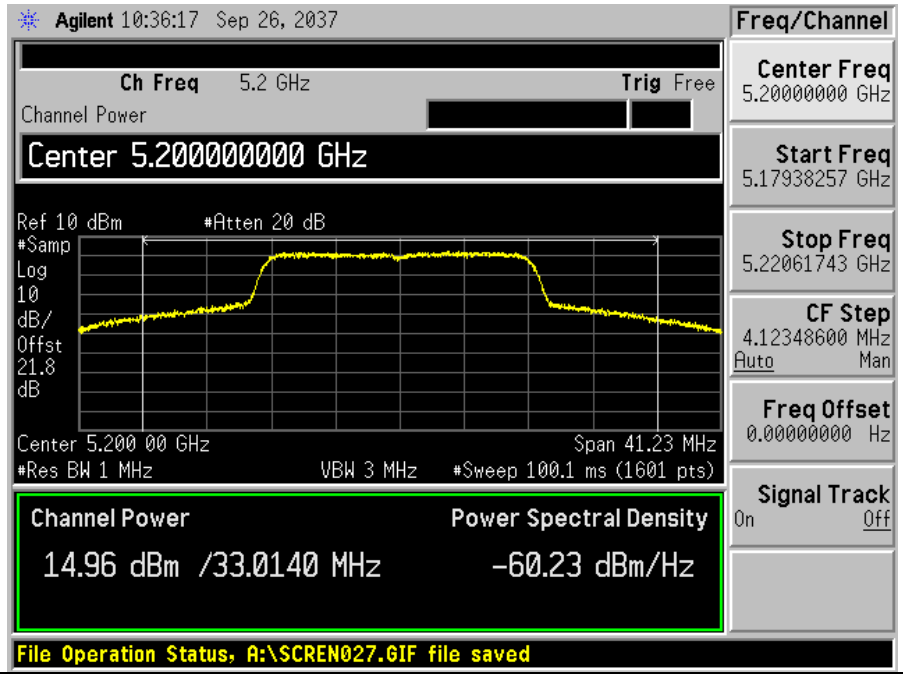
Frequency (MHz)	Data Rate (Mbps)	Peak Output Power (dBm)	Limit (dBm)	Margin (dB)
5745	6	21.81	30	8.19
5785	6	22.19	30	7.81
5805	6	21.95	30	8.05

(Measurement made using KDB Publication No. 558074 power option 1, peak power meter)

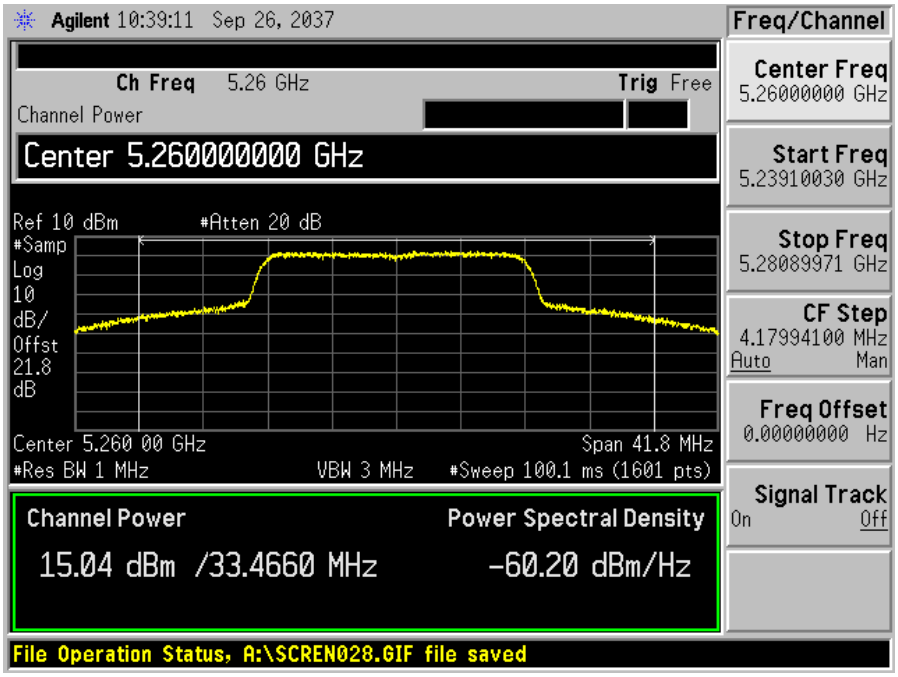
Graphical Test Results



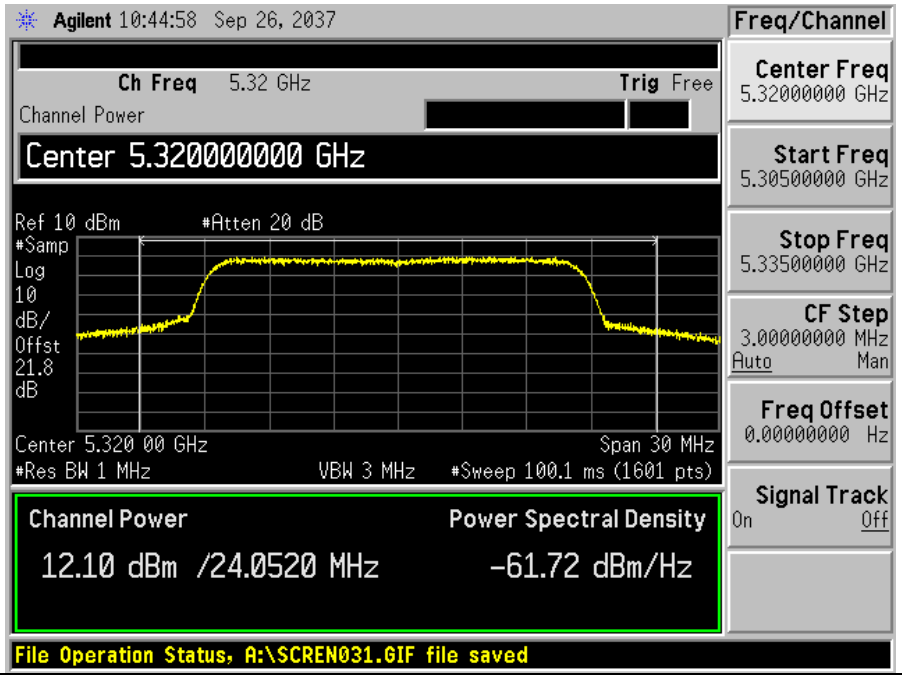
Title: Peak Output Power at 5180MHz, 6Mbps



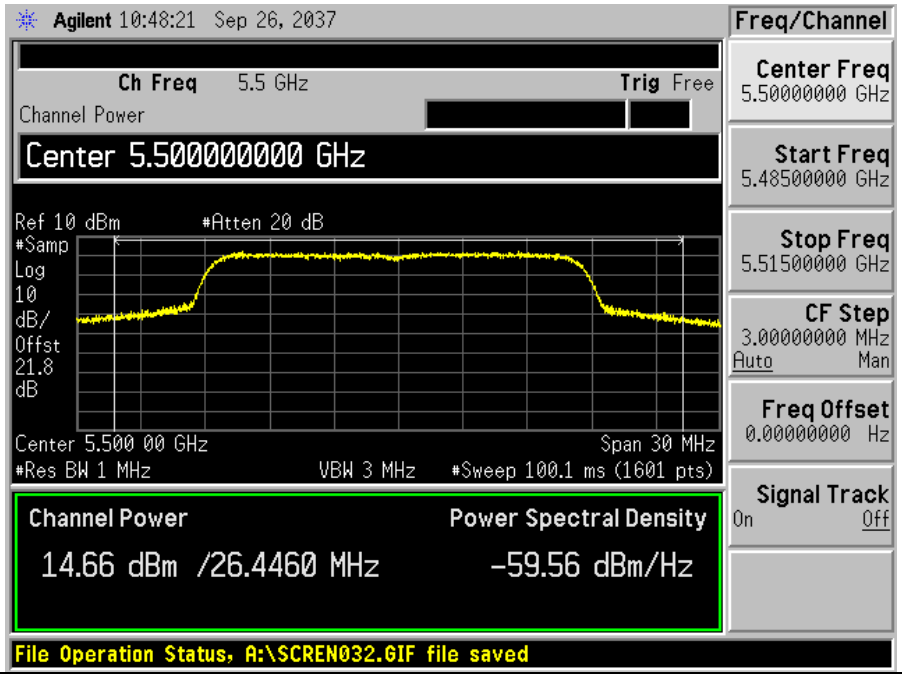
Title: Peak Output Power at 5200MHz, 6Mbps



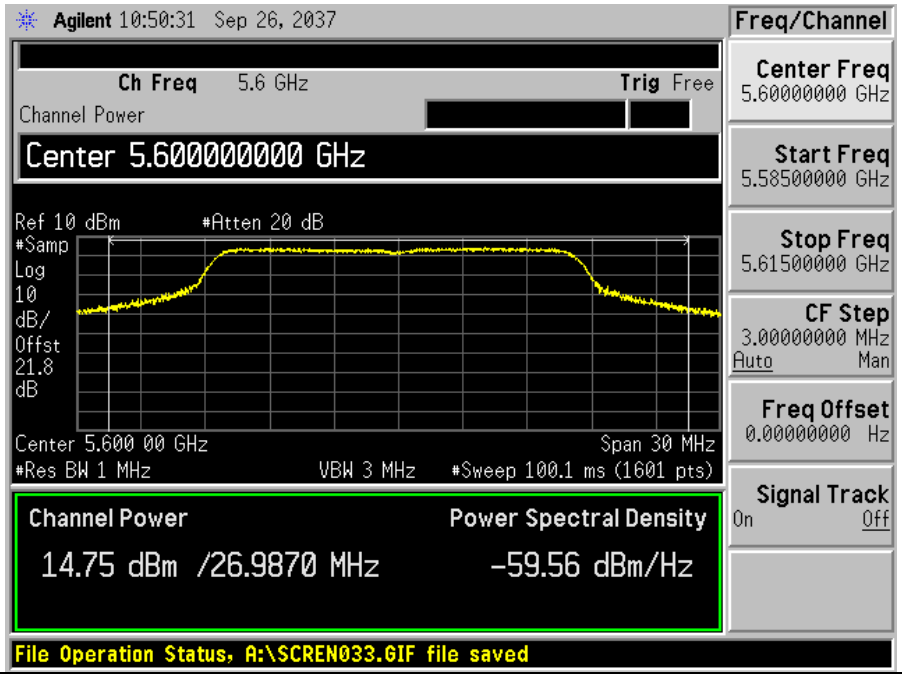
Title: Peak Output Power at 5260MHz, 6Mbps



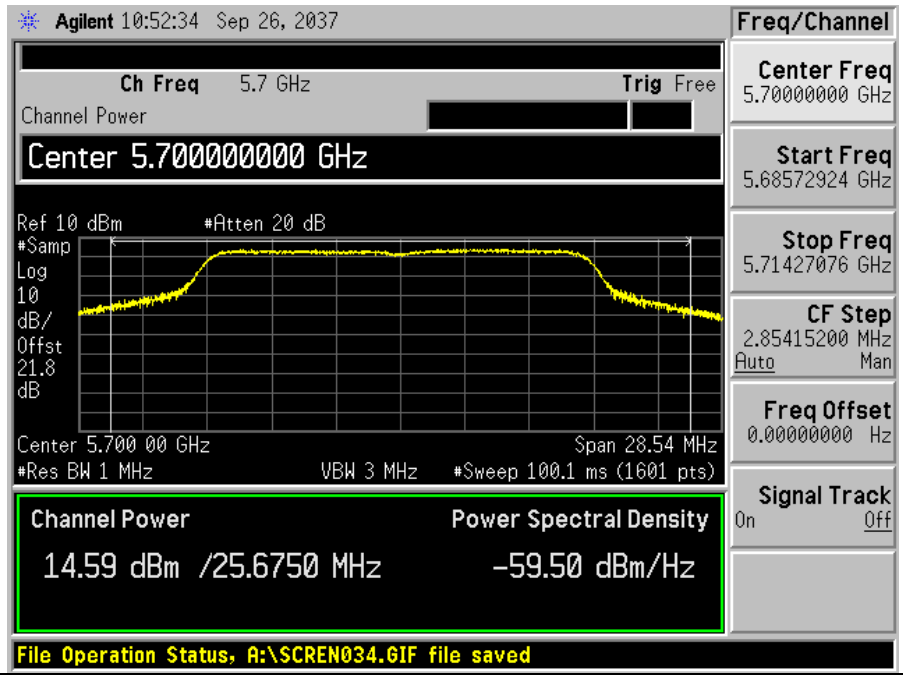
Title: Peak Output Power at 5320MHz, 6Mbps



Title: Peak Output Power at 5500MHz, 6Mbps



Title: Peak Output Power at 5600MHz, 6Mbps



Title: Peak Output Power 5700MHz, 6Mbps

Power Spectral Density

15.407 & RSS-210(A9.2):

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

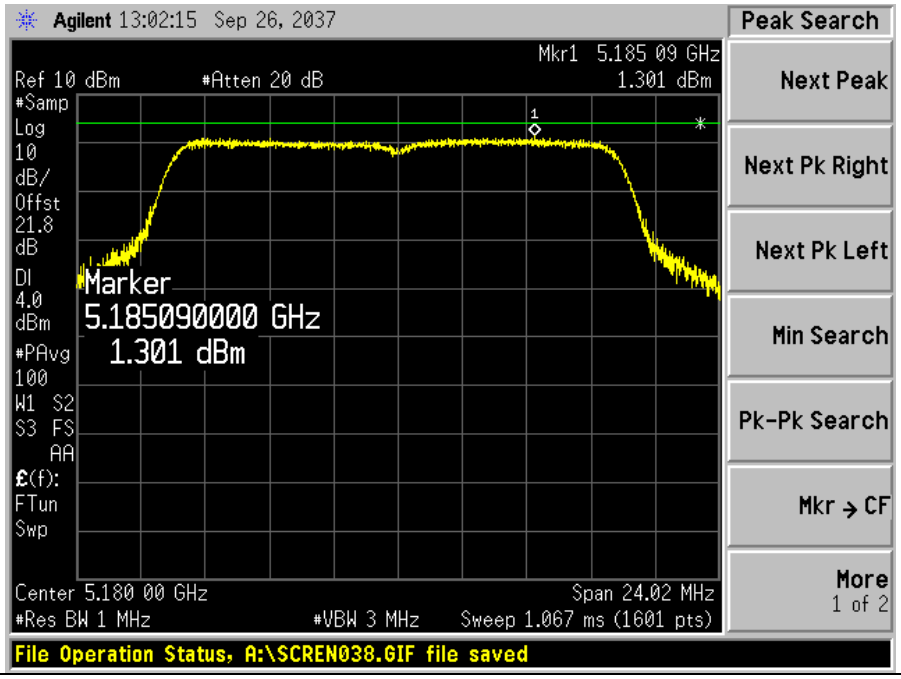
15.247 & RSS-210(A8.2):

For digitally modulated systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

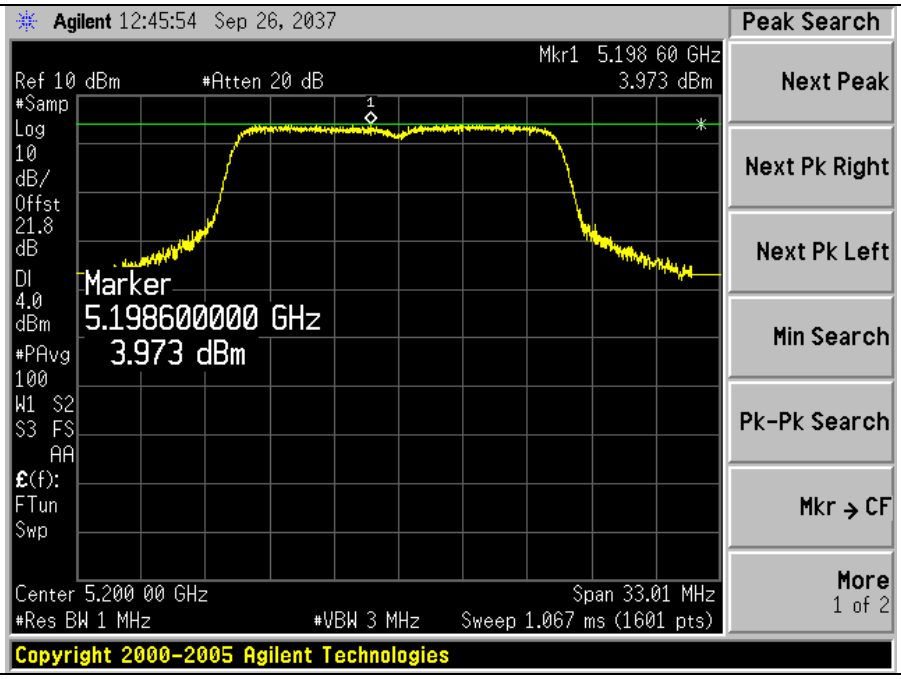
Frequency (MHz)	Data Rate (Mbps)	Peak Power Spectral Density (dBm/MHz)	Limit (dBm)	Margin (dB)
5180	6	1.301	4	-2.699
5200	6	3.973	4	-0.027
5260	6	4.353	11	-6.647
5320	6	1.358	11	-9.642
5500	6	3.906	11	-7.094
5600	6	4.417	11	-6.583
5700	6	3.701	11	-7.299

Frequency (MHz)	Data Rate (Mbps)	Peak Power Spectral Density (dBm/3kHz)	Limit (dBm)	Margin (dB)
5745	6	-11.8	8	-19.8
5785	6	-10.5	8	-18.5
5805	6	-10.94	8	-18.94

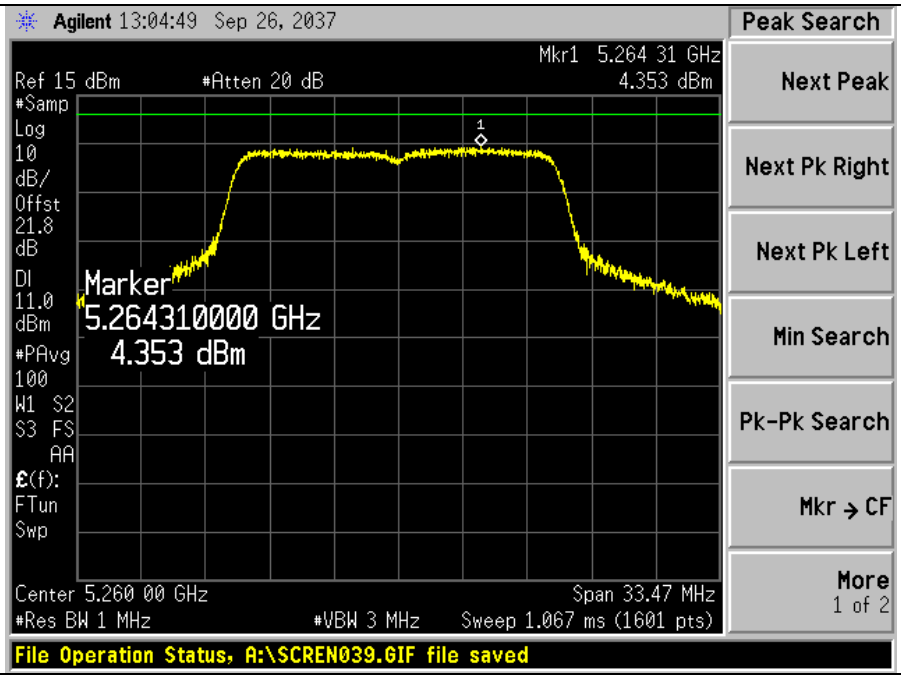
Graphical Test Results



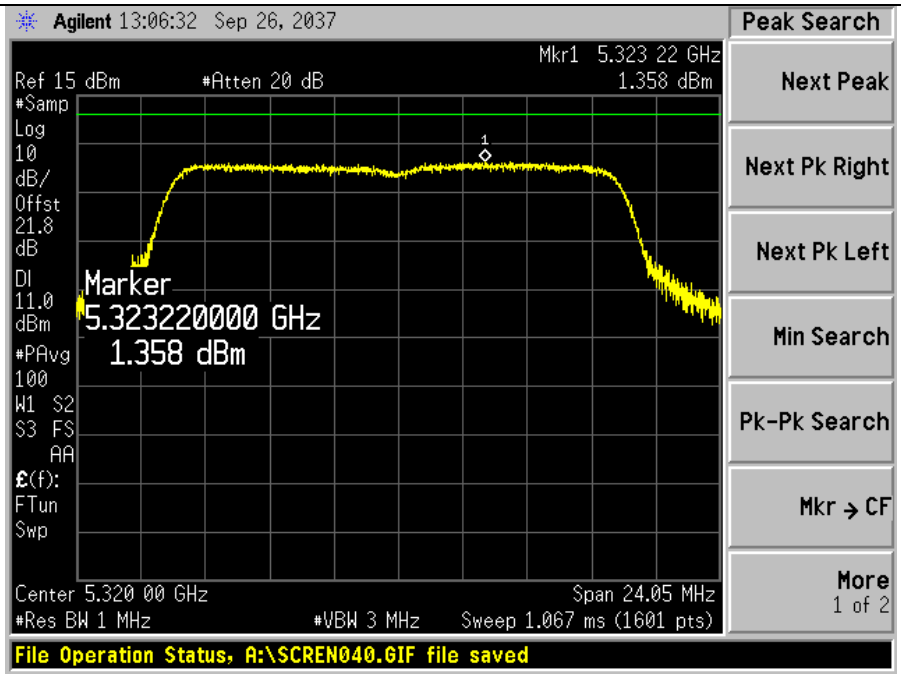
Title: Peak Power Spectral Density for 5180MHz , 6Mbps



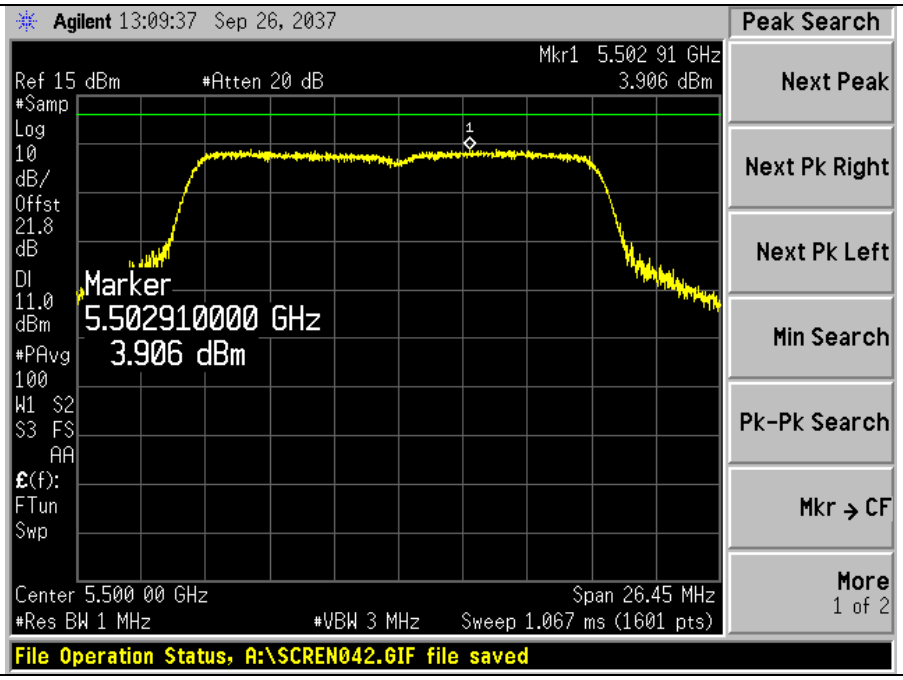
Title: Peak Power Spectral Density at 5200MHz, 6Mbps



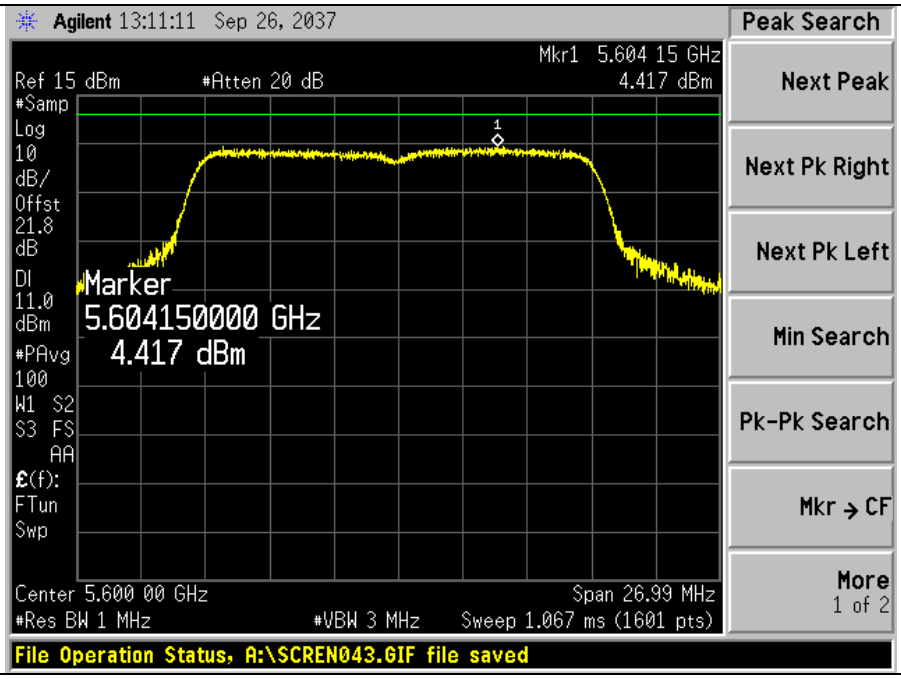
Title: Peak Power Spectral Density at 5260MHz, 6Mbps



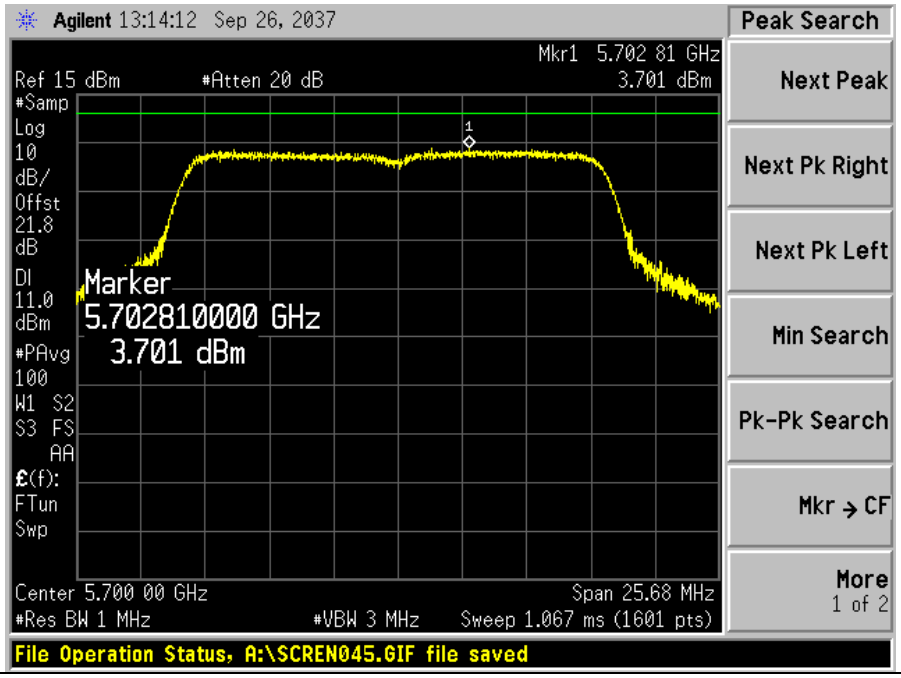
Title: Peak Power Spectral Density at 5320MHz , 6Mbps



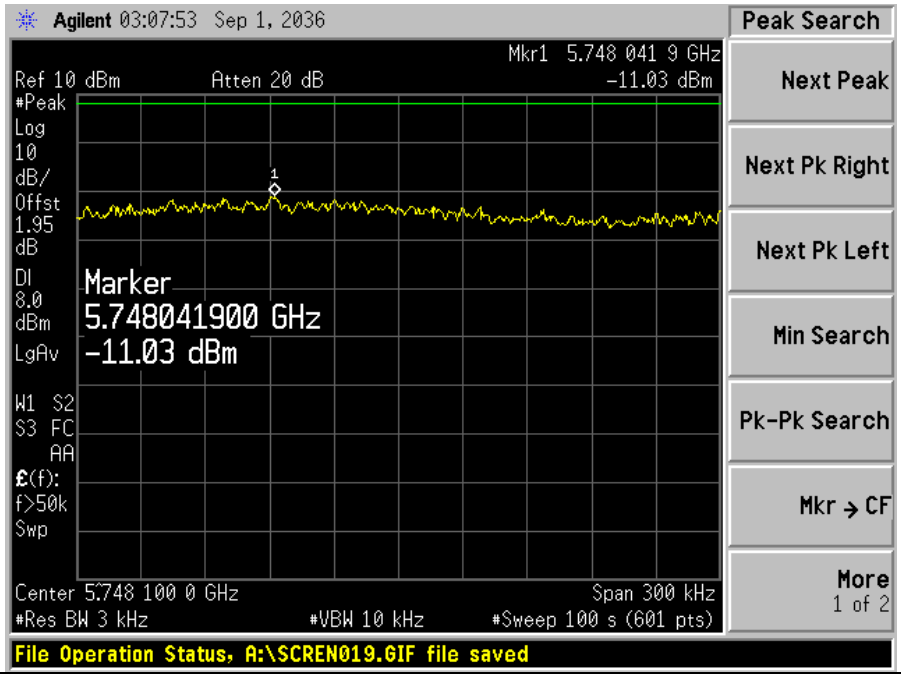
Title: Peak Power Spectral Density at 5500MHz, 6Mbps



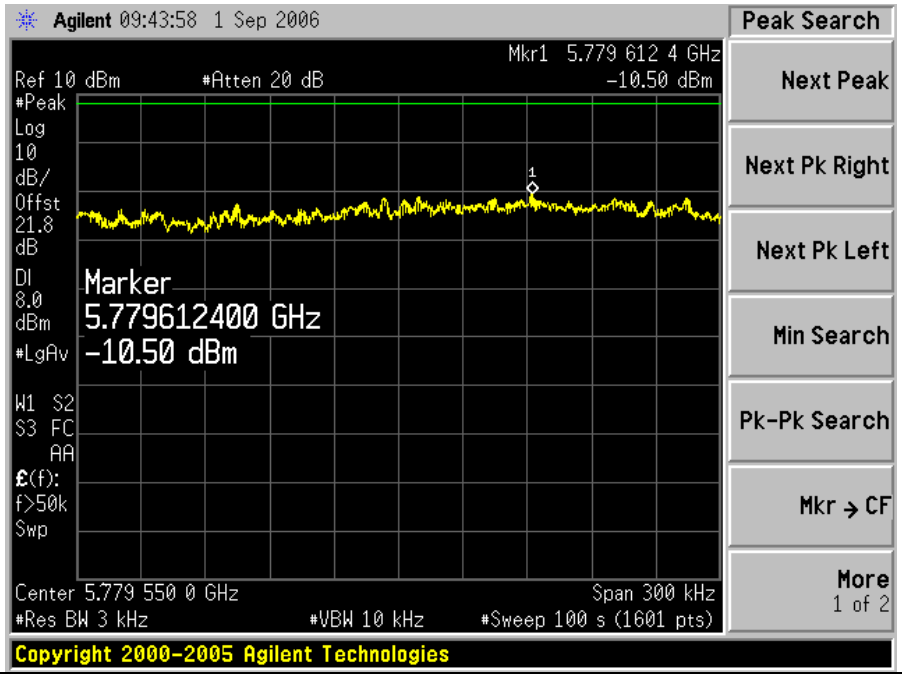
Title: Peak Power Spectral Density at 5600MHz, 6Mbps



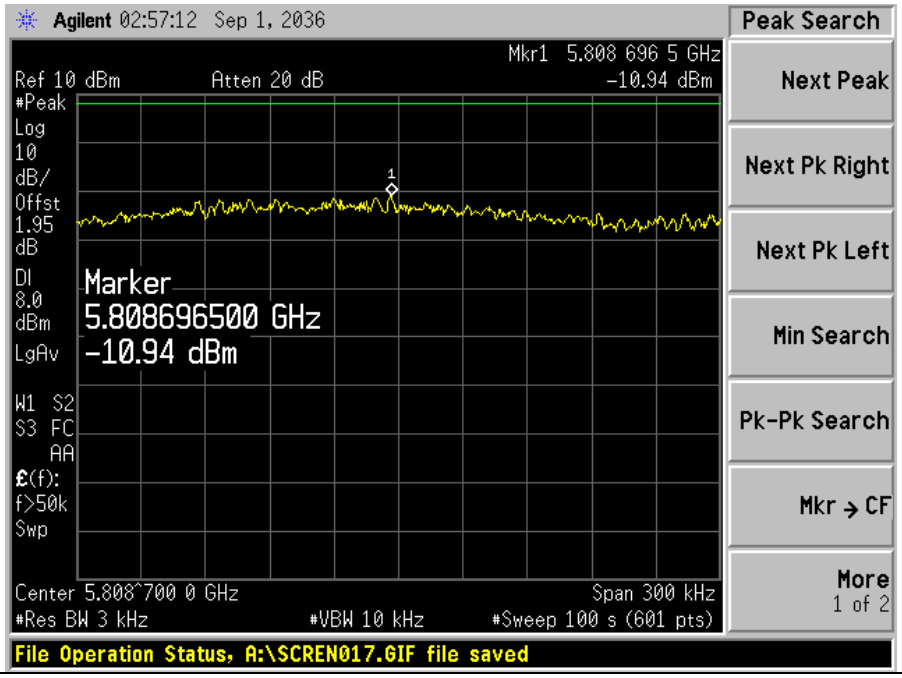
Title: Peak Power Spectral Density at 5700MHz, 6Mbps



Title: Power Spectral Density at 5745MHz, 6Mbps



Title: Power Spectral Density at 5785MHz, 6Mbps



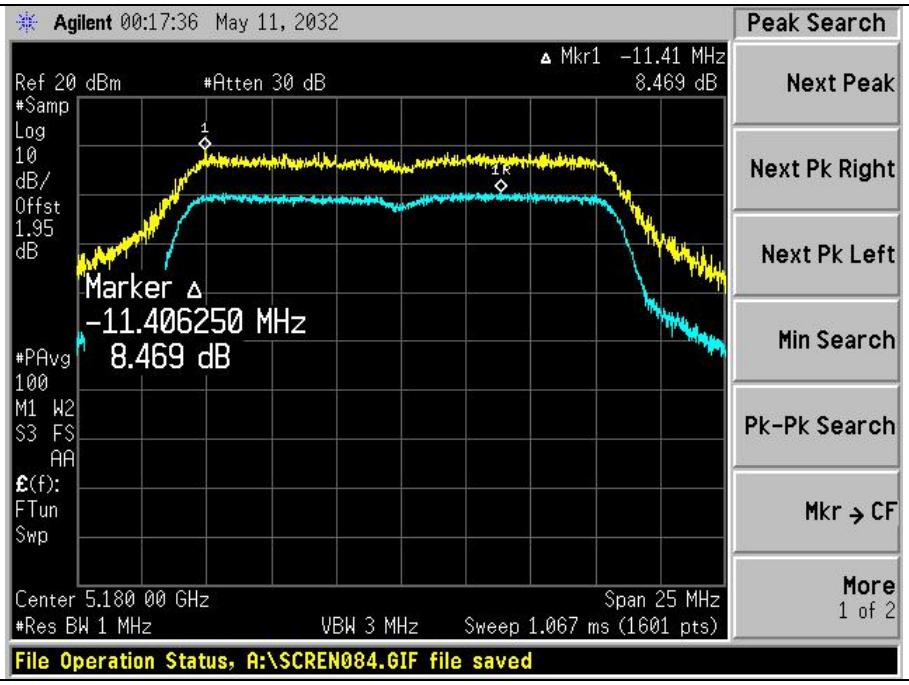
Title: Power Spectral Density at 5805MHz, 6Mbps

Peak Excursion

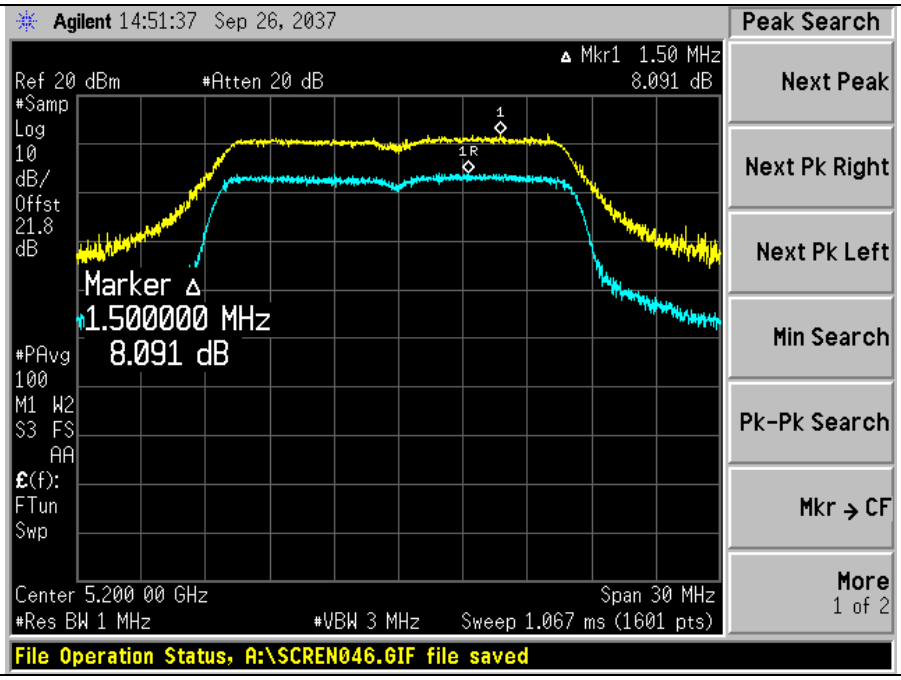
15.407: The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

Frequency (MHz)	Data Rate (Mbps)	Peak Excursion (dB)	Limit (dBm)	Margin (dB)
5180	6	8.496	13	-4.504
5200	6	8.019	13	-4.981
5260	6	9.058	13	-3.942
5320	6	8.422	13	-4.578
5500	6	9.645	13	-3.355
5600	6	8.514	13	-4.486

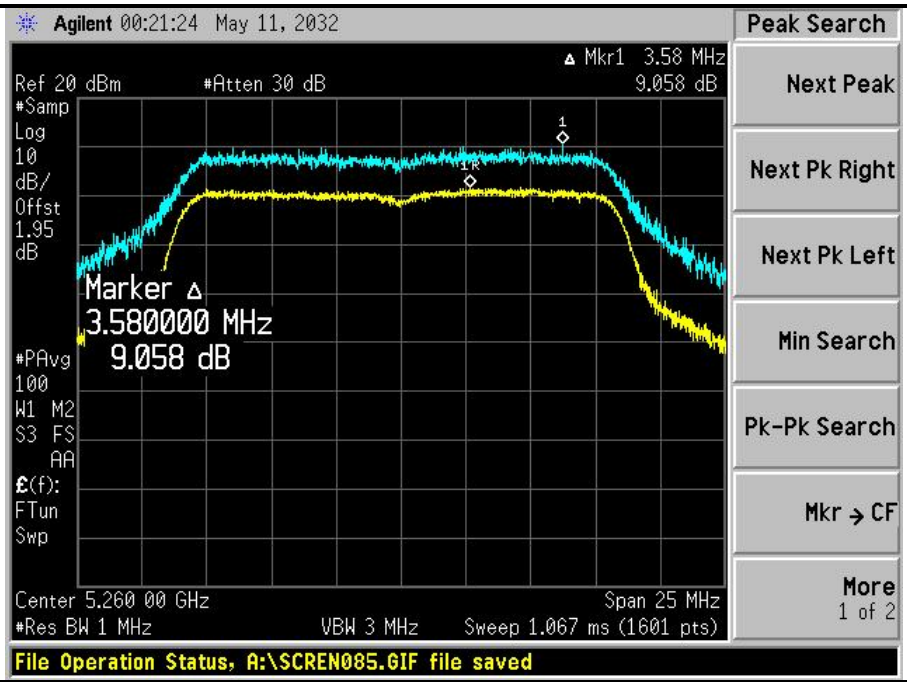
Graphical Test Results



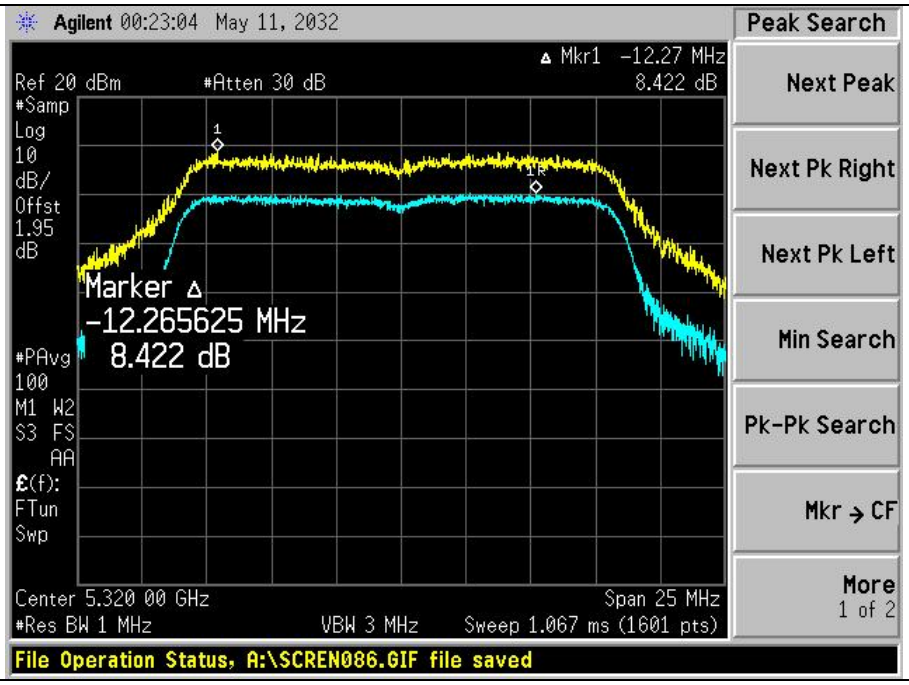
Title: Peak Excursion at 5180MHz, 6Mbps



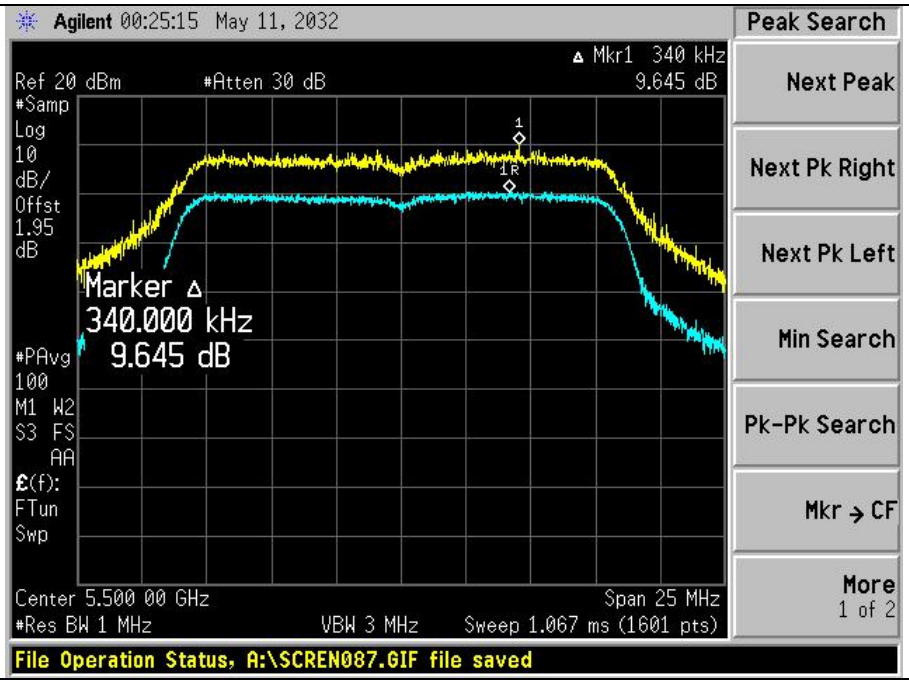
Title: Peak Excursion at 5200MHz, 6Mbps



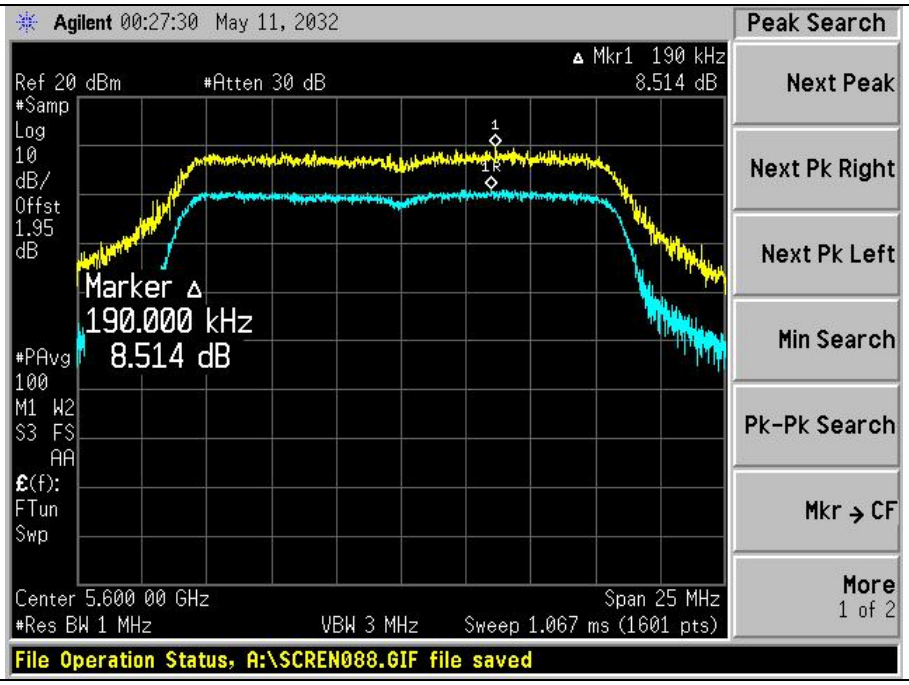
Title: Peak Excursion at 5260MHz, 6Mbps



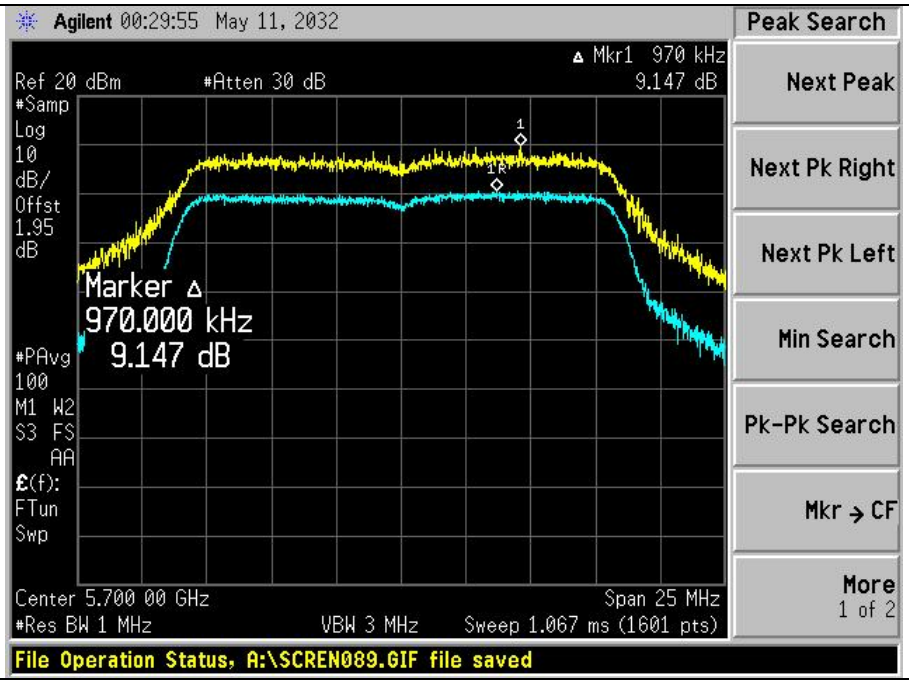
Title: Peak Excursion at 5320MHz, 6Mbps



Title: Peak Excursion at 5500MHz, 6Mbps



Title: Peak Excursion at 5600MHz, 6Mbps



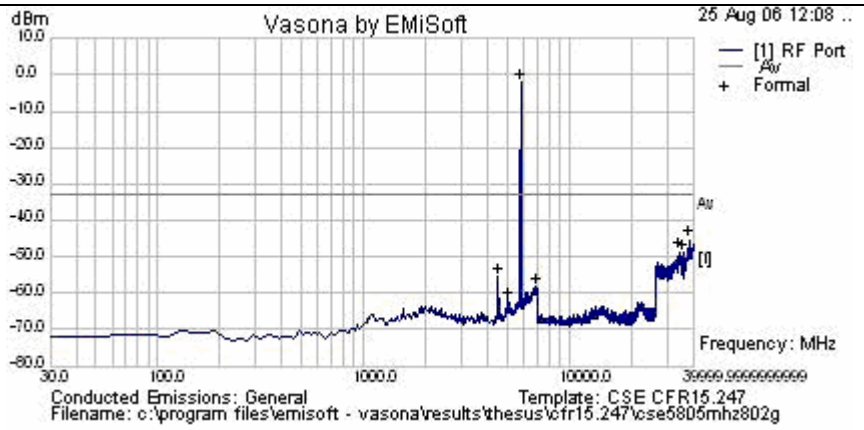
Title: Peak Excursion at 5700MHz, 6Mbps

Conducted Spurious Emissions

15.247 & RSS-210(A8.5):

In any 100 kHz bandwidth outside the frequency band in which the digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

Graphical Test Results

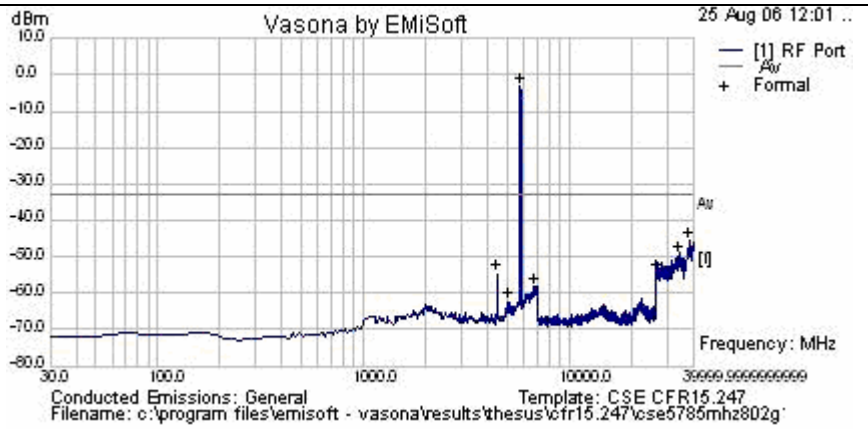


Title: 5805MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
4515.541	-75.6	0.4	19.8	-55.5	Peak(Scan)	RF	-32.6	-22.9	Pass	
5066.435	-82.5	0.4	19.8	-62.3	Peak(Scan)	RF	-32.6	-29.7	Pass	
6895.595	-78.4	0.4	19.8	-58.2	Peak(Scan	RF	-32.6	-25.6	Pass	Noise Floor
34453.061	-70.2	0.9	20.7	-48.5	Peak(Scan	RF	-32.6	-15.9	Pass	Noise floor
35614.514	-70.6	1	20.7	-48.9	Peak(Scan	RF	-32.6	-16.3	Pass	Noise floor
38578.221	-66.8	1	20.4	-45.4	Peak(Scan	RF	-32.6	-12.8	Pass	Noise floor

Graphical Test Results

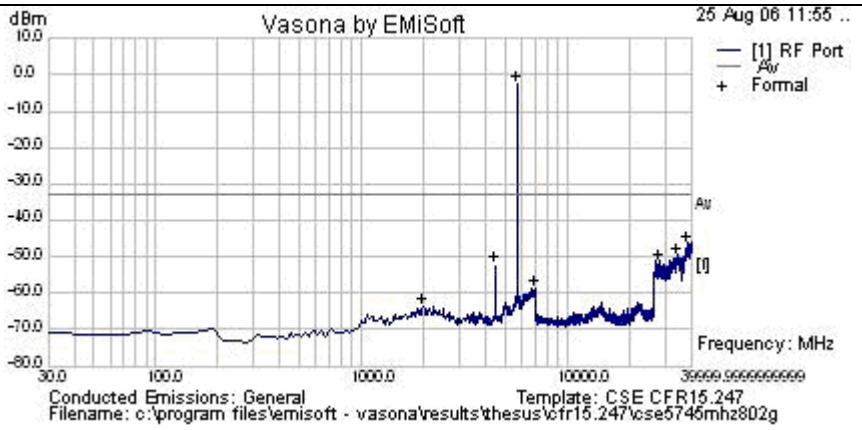


Title: 5785MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
38466.434	-67.3	1	20.4	-45.8	Peak(Scan)	RF	-32.6	-13.2	Pass	Noise Floor
34325.227	-70.9	0.9	20.7	-49.3	Peak(Scan)	RF	-32.6	-16.7	Pass	Noise Floor
26927.024	-75.7	0.8	20.3	-54.6	Peak(Scan)	RF	-32.6	-22	Pass	Noise Floor
6760.552	-78.4	0.4	19.8	-58.2	Peak(Scan)	RF	-32.6	-25.6	Pass	Noise Floor
5065.583	-82.6	0.4	19.8	-62.5	Peak(Scan)	RF	-32.6	-29.9	Pass	
4495.578	-74.9	0.4	19.8	-54.8	Peak(Scan)	RF	-32.6	-22.2	Pass	

Graphical Test Results



Title: 5745MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
2001.217	-83.8	0.2	19.8	-63.8	Peak(Scan)	RF	-32.6	-31.2	Pass	Noise Floor
4455.565	-72.7	0.4	19.8	-52.6	Peak(Scan)	RF	-32.6	-20	Pass	
6958.935	-79	0.4	19.8	-58.8	Peak(Scan)	RF	-32.6	-26.2	Pass	Noise floor
28114.012	-73.1	0.9	20.4	-51.8	Peak(Scan)	RF	-32.6	-19.2	Pass	Noise floor
34339.855	-71.6	0.9	20.7	-50	Peak(Scan)	RF	-32.6	-17.4	Pass	Noise Floor
38578.839	-68.1	1	20.4	-46.6	Peak(Scan)	RF	-32.6	-14	Pass	Noise floor

Conducted Spurious Emissions

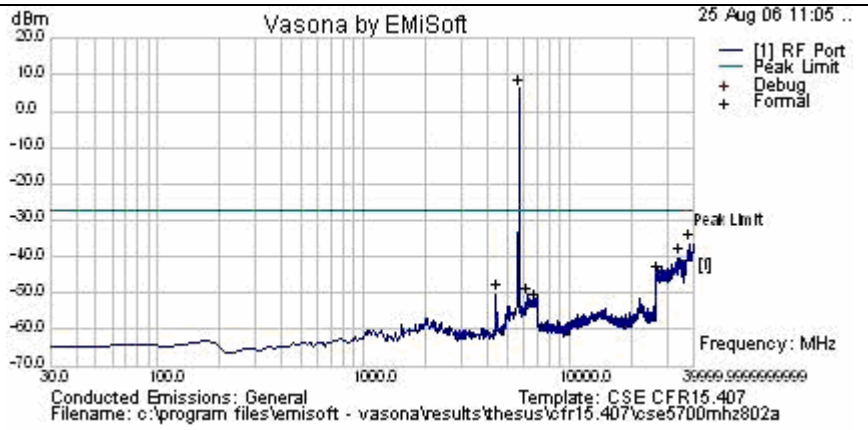
15.407 & RSS-210(A9.3):

For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.

Graphical Test Results

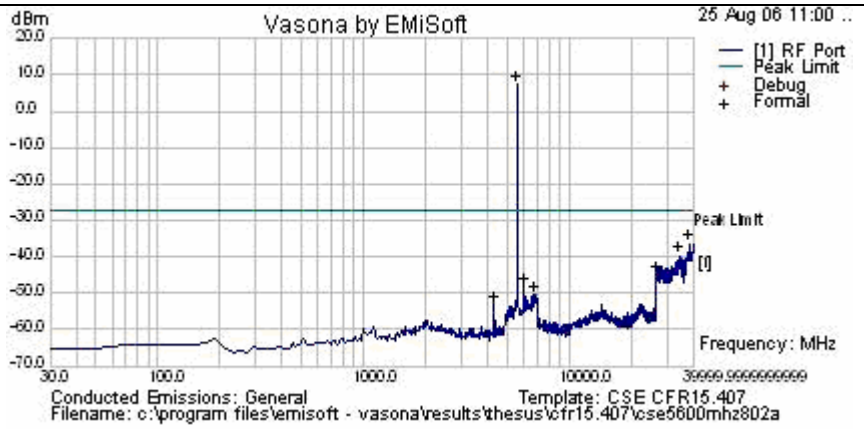


Title: 5700MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
4415.474	-71.8	1.6	19.8	-50.3	Peak(Scan)	RF	-27	-23.3	Pass	
6289.095	-71.7	0.5	19.8	-51.4	Peak(Scan)	RF	-27	-24.4	Pass	
6861.989	-73.3	0.5	19.8	-53	Peak(Scan)	RF	-27	-26	Pass	Noise floor
26927.024	-65.5	0	20.3	-45.2	Peak(Scan)	RF	-27	-18.2	Pass	Noise floor
34392.986	-60.9	0	20.7	-40.2	Peak(Scan)	RF	-27	-13.2	Pass	Noise floor
38498.121	-56.8	0	20.5	-36.4	Peak(Scan	RF	-27	-9.4	Pass	Noise floor

Graphical Test Results

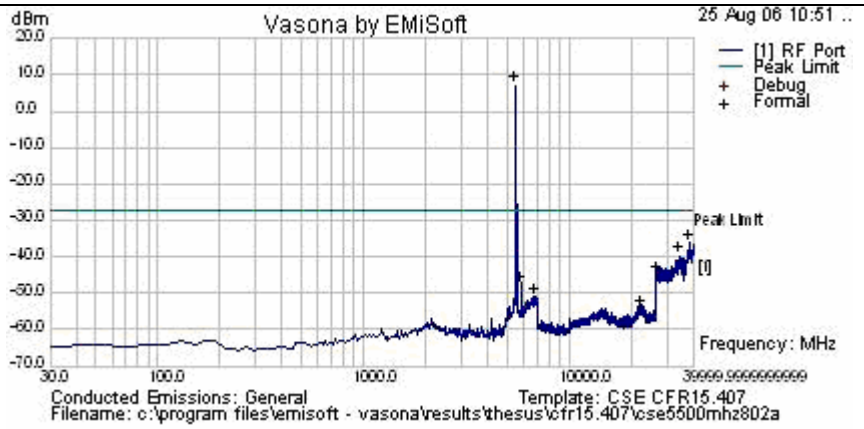


Title: 5600MHz, 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
4317.838	-75	1.6	19.8	-53.6	Peak(Scan)	RF	-27	-26.6	Pass	
6034.754	-68.8	0.5	19.8	-48.5	Peak(Scan)	RF	-27	-21.5	Pass	
6861.989	-70.9	0.5	19.8	-50.6	Peak(Scan)	RF	-27	-23.6	Pass	Noise floor
26927.024	-65.3	0	20.3	-45	Peak(Scan)	RF	-27	-18	Pass	Noise floor
34292.861	-60.5	0	20.7	-39.8	Peak(Scan	RF	-27	-12.8	Pass	Noise floor
38578.221	-56.9	0	20.4	-36.5	Peak(Scan	RF	-27	-9.5	Pass	Noise floor

Graphical Test Results

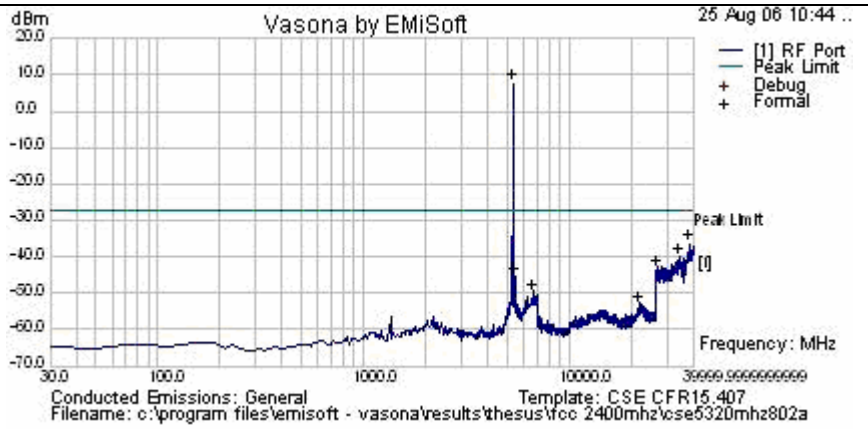


Title: 5500MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
5841.277	-69.8	2.2	19.8	-47.8	Peak(Scan)	RF	-27	-20.8	Pass	
6861.989	-71.3	0.5	19.8	-51	Peak(Scan)	RF	-27	-24	Pass	Noise floor
22493.907	-75.7	1.1	20.2	-54.4	Peak(Scan)	RF	-27	-27.4	Pass	Noise floor
26927.024	-65.7	0	20.3	-45.4	Peak(Scan)	RF	-27	-18.4	Pass	Noise floor
34332.911	-60.4	0	20.7	-39.8	Peak(Scan)	RF	-27	-12.8	Pass	Noise floor
38578.221	-56.6	0	20.4	-36.2	Peak(Scan)	RF	-27	-9.2	Pass	Noise floor

Graphical Test Results

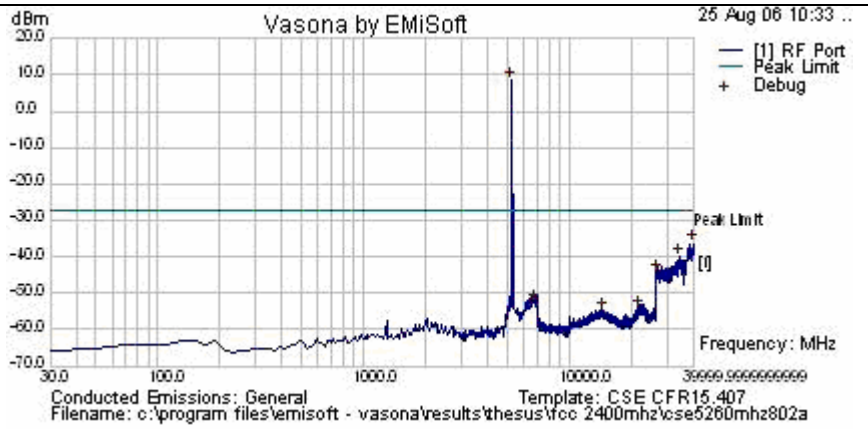


Title: 5320MHz, 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
5476.814	-67.3	1.9	19.8	-45.6	Peak(Scan)	RF	-27	-18.6	Pass	
6711.491	-70.4	0.5	19.8	-50.1	Peak(Scan)	RF	-27	-23.1	Pass	Noise floor
22048.28	-75.1	1.4	20.2	-53.5	Peak(Scan)	RF	-27	-26.5	Pass	noise floor
26812.06	-63.9	0	20.4	-43.5	Peak(Scan)	RF	-27	-16.5	Pass	Noise floor
34332.911	-60.8	0	20.7	-40.1	Peak(Scan)	RF	-27	-13.1	Pass	Noise floor
38518.146	-56.8	0	20.4	-36.4	Peak(Scan)	RF	-27	-9.4	Pass	Noise floor

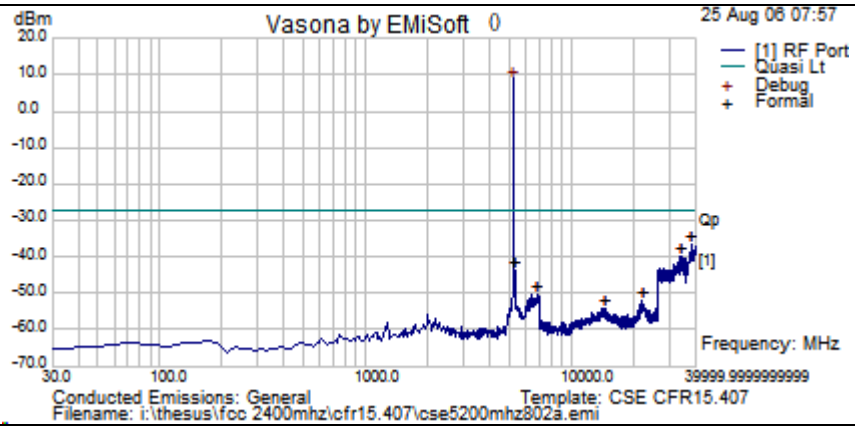
Graphical Test Results



Title: 5260MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
6861.989	-73.1	0.5	19.8	-52.8	Peak(Scan)	RF	-27	-25.8	Pass	Noise floor
14475.082	-75.6	0.8	20	-54.8	Peak(Scan)	RF	-27	-27.8	Pass	Noise floor
22059.9	-76.2	1.4	20.2	-54.6	Peak(Scan)	RF	-27	-27.6	Pass	Noise floor
26677.205	-64.7	0	20.4	-44.4	Peak(Scan)	RF	-27	-17.4	Pass	Noise floor
34390.325	-61.1	0	20.7	-40.4	Peak(Scan)	RF	-27	-13.4	Pass	Noise floor
39899.875	-56.5	0	20.1	-36.4	Peak(Scan)	RF	-27	-9.4	Pass	Noise floor

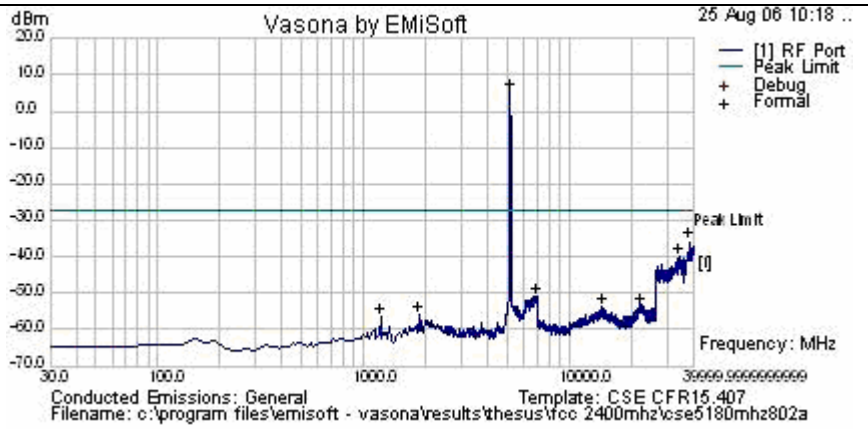


Title: 5200MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
6861.989	-73.1	0.5	19.8	-52.8	Peak(Scan)	RF	-27	-25.8	Pass	Noise floor
14475.082	-75.6	0.8	20	-54.8	Peak(Scan)	RF	-27	-27.8	Pass	Noise floor
22059.9	-76.2	1.4	20.2	-54.6	Peak(Scan)	RF	-27	-27.6	Pass	Noise floor
26677.205	-64.7	0	20.4	-44.4	Peak(Scan)	RF	-27	-17.4	Pass	Noise floor
34390.325	-61.1	0	20.7	-40.4	Peak(Scan)	RF	-27	-13.4	Pass	Noise floor
39899.875	-56.5	0	20.1	-36.4	Peak(Scan)	RF	-27	-9.4	Pass	Noise floor

Graphical Test Results



Title: 5180MHz , 6Mbps

Test Results Table

Frequency MHz	Raw dBm	Cable Loss	Factors dB	Level dBm	Measurement Type	Line	Limit dBm	Margin dB	Pass /Fail	Comments
1212.54	-77.2	0.8	19.8	-56.7	Peak(Scan)	RF	-27	-29.7	Pass	
1873.084	-76.8	1	19.8	-56	Peak(Scan)	RF	-27	-29	Pass	
6974.235	-71.7	0.5	19.8	-51.3	Peak(Scan)	RF	-27	-24.3	Pass	noise floor
14465.676	-74.6	0.8	20	-53.8	Peak(Scan)	RF	-27	-26.8	Pass	noise floor
22127.734	-75.2	1.2	20.2	-53.8	Peak(Scan)	RF	-27	-26.8	Pass	noise floor
34372.961	-60.6	0	20.7	-39.9	Peak(Scan)	RF	-27	-12.9	Pass	Noise floor
38538.171	-56.3	0	20.4	-35.9	Peak(Scan)	RF	-27	-8.9	Pass	Noise Floor

Physical Test arrangement Photograph:

Title: Conducted Spurious Emissions Test Configuration

Comments on the above Photograph:

No further comments

Radiated Transmitter Spurious Emissions

15.205

Radiated emissions which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a)

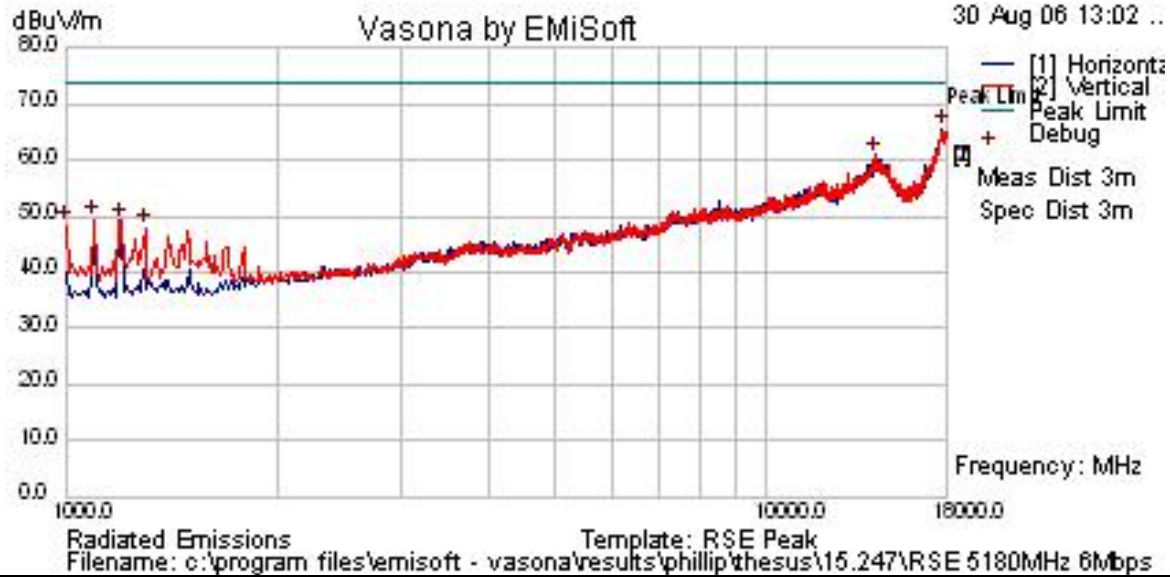
RSS-210

Radiated emissions which fall in the restricted bands, as defined in Sec. 2.7-Table 1 must also comply with the radiated emission limits specified in Sec. 2.7-Table 2.

Subtest Number: 23509 - 2	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE Peak 1GHz to 18GHz (5180MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	1000.0
Comments on the above Test Results	No further comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE 5180MHz 6Mbps Peak

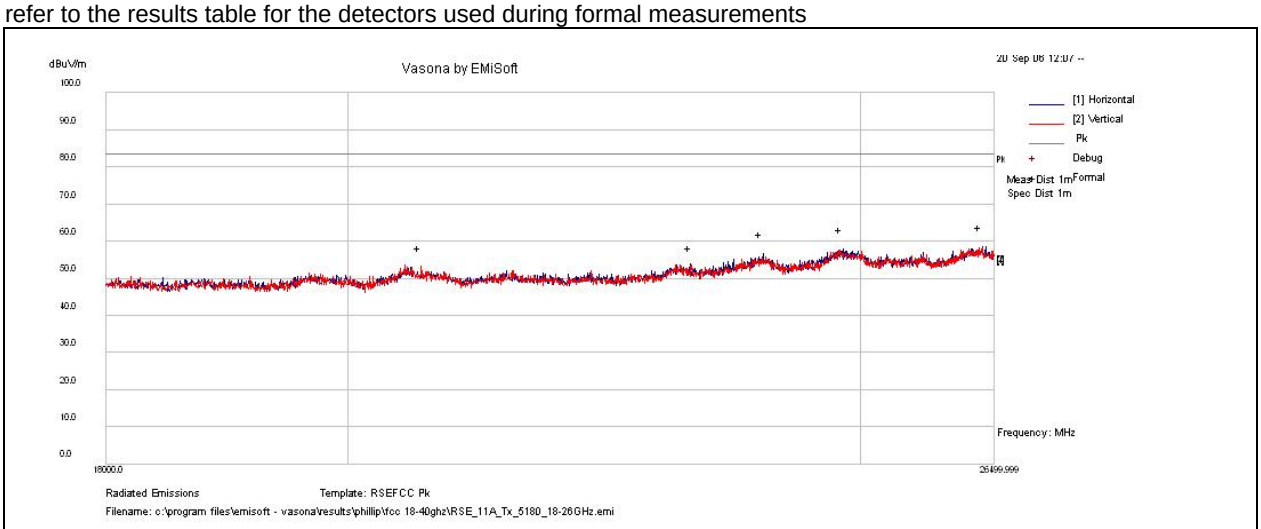
Test Results Table

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	Comments
17777.293	41.5	12.8	11.3	65.5	Peak(Scan)	H	200	0	74	-8.5	Pass	noise floor
14266.999	42	11.3	7.6	60.9	Peak(Scan)	V	150	0	74	-13.1	Pass	noise floor
1095.461	58.2	2.7	-11.5	49.4	Peak(Scan)	V	100	363	74	-24.6	Pass	
1195.536	57.2	2.9	-10.9	49.3	Peak(Scan)	V	100	363	74	-24.7	Pass	
1000.077	58.2	2.6	-12.5	48.4	Peak(Scan)	V	100	363	74	-25.6	Pass	
1296.974	55.7	2.9	-10.6	48	Peak(Scan)	V	100	363	74	-26	Pass	

Subtest Number: 23509 - 3	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 18GHz to 26GHz Peak (5180MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	No further comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE_11A_Tx_5180_18-26GHz

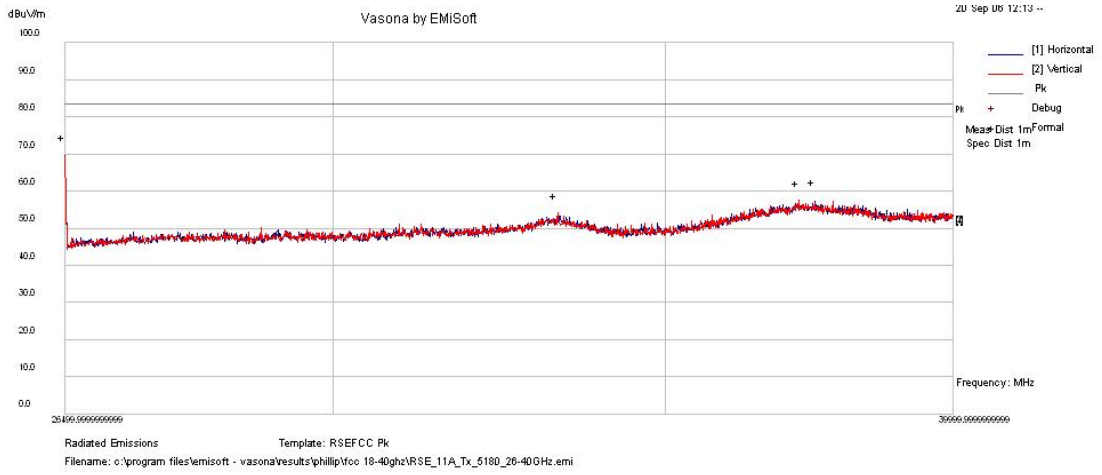
Test Results Table

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	Comments
26367.724	42.4	0	16.1	58.5	Peak(Scan)	H	100	0	83.5	-25	Pass	
24813.813	42.3	0	15.6	58	Peak(Scan)	H	100	0	83.5	-25.5	Pass	
23965.425	41.8	0	14.8	56.6	Peak(Scan)	H	100	0	83.5	-26.9	Pass	
20646.566	39.3	0	13.7	53	Peak(Scan)	V	100	0	83.5	-30.5	Pass	
23236.441	38.6	0	14.4	53	Peak(Scan)	V	100	0	83.5	-30.6	Pass	

Subtest Number: 23509 - 4	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 26GHz to 40GHz Peak (5180MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	No further comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE_11A_Tx_5180_26-40GHz

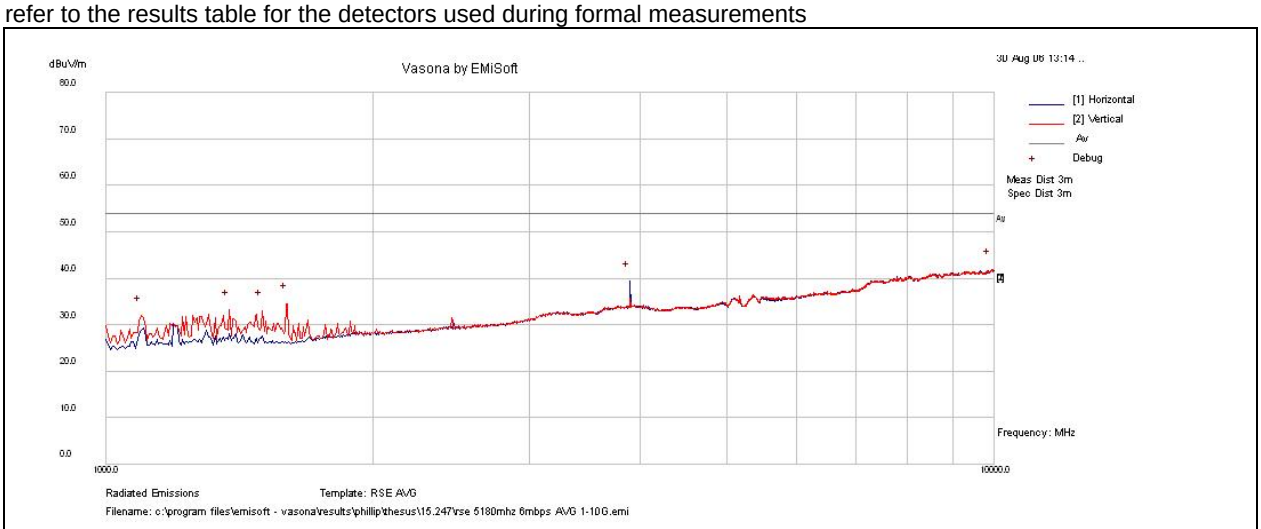
Test Results Table

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	Comments
26500	77	0	-7.5	69.5	Peak(Scan)	H	100	0	83.5	-14	Pass	
37532.523	54.6	0	2.7	57.3	Peak(Scan)	H	100	0	83.5	-26.2	Pass	
37247.853	54.8	0	2.4	57.2	Peak(Scan)	V	100	0	83.5	-26.3	Pass	
33303.044	50.5	0	3.2	53.8	Peak(Scan)	V	100	0	83.5	-29.7	Pass	

Subtest Number: 23509 - 5	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 1GHz to 10GHz Average (5180MHz)**
Subtest Result	Pass
Highest Frequency	10000.0
Lowest Frequency	1000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



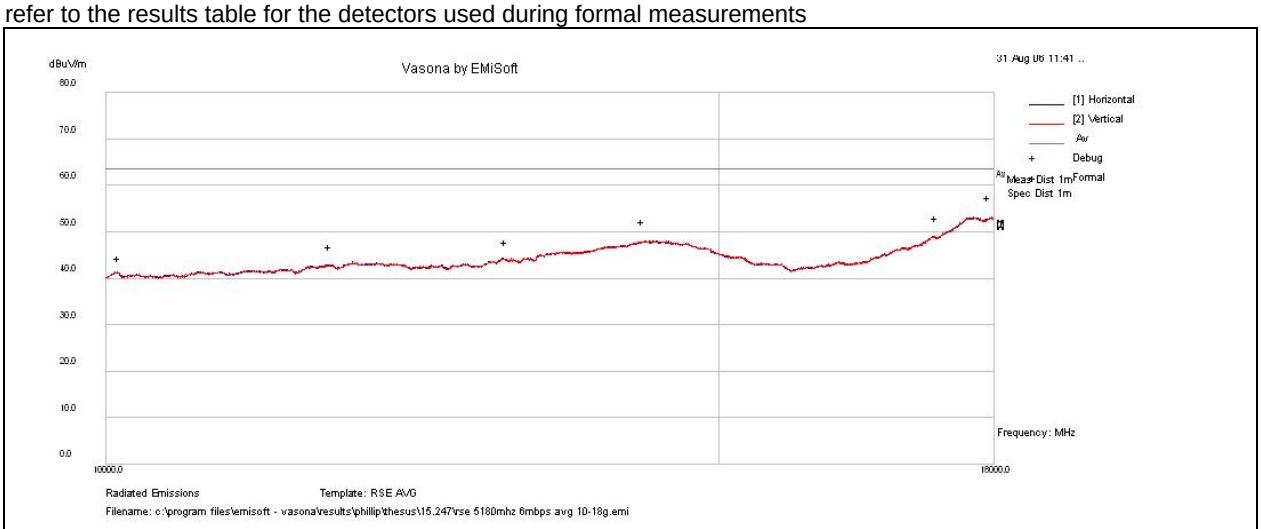
Title: rse 5180mhz 6mbps AVG 1-10G

Test Results Table

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	Comments
9943.855	31.7	8.7	1.6	42	Av	H	100	0	54	-12	Pass	noise floor
3890.05	39.4	5.2	-2.9	41.7	Av	H	139	186	54	-12.3	Pass	
1600.749	41.6	3.3	-10.3	34.6	Av	V	100	0	54	-19.4	Pass	
1376.177	40.7	3	-10.5	33.2	Av	V	100	363	54	-20.8	Pass	
1095.386	40.7	2.7	-11.5	31.9	Av	V	100	363	54	-22.1	Pass	
1499.688	40.2	3.2	-10.3	33	Av	V	100	363	54	-21	Pass	

Subtest Number: 23509 - 6	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 10GHz to 18GHz Average (5180MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	10000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



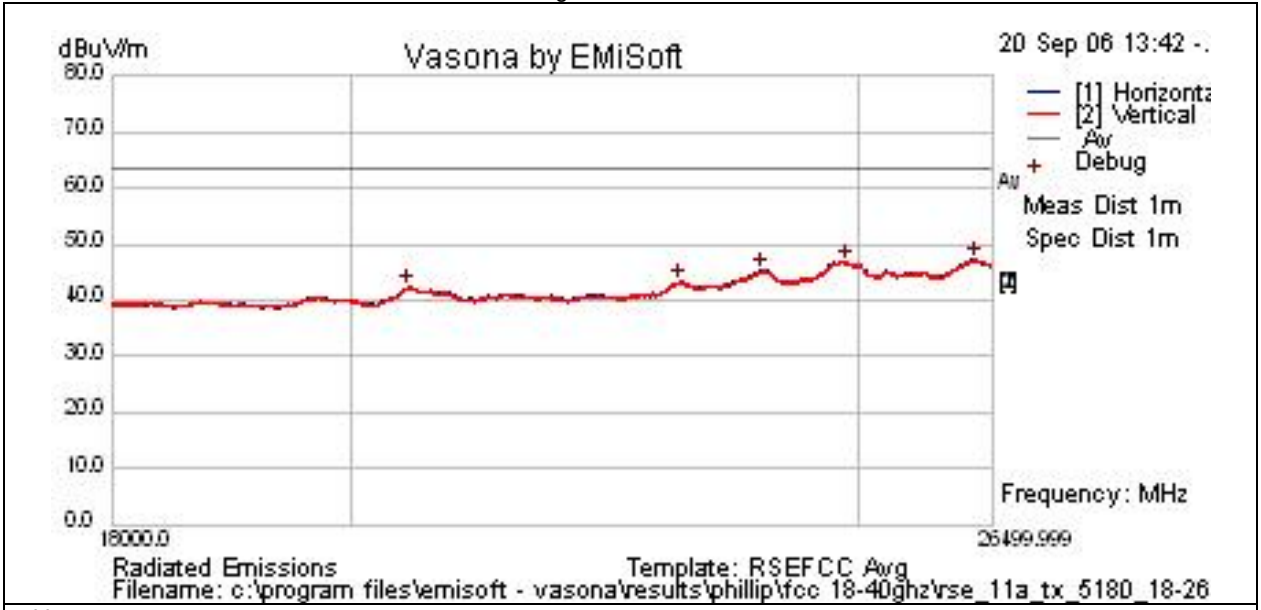
Title: rse 5180mhz 6mbps avg 10-18g

Test Results Table

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	Comments
17975.047	29.2	12.8	11.3	53.2	Av	V	100	0	63.5	-10.3	Pass	Noise Floor
17350.739	28.7	12.2	7.8	48.8	Av	V	100	0	63.5	-14.7	Pass	Noise Floor
14291.953	29.3	11.3	7.5	48	Av	V	100	0	63.5	-15.5	Pass	Noise Floor
13054.676	28.1	10.1	5.5	43.7	Av	H	100	0	63.5	-19.8	Pass	
11620.428	29.5	9.4	3.8	42.7	Av	H	100	0	63.5	-20.8	Pass	
10103.394	29.7	8.8	1.7	40.3	Av	H	100	0	63.5	-23.2	Pass	

Subtest Number: 23509 - 7	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 18GHz to 26GHz Average (5180MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



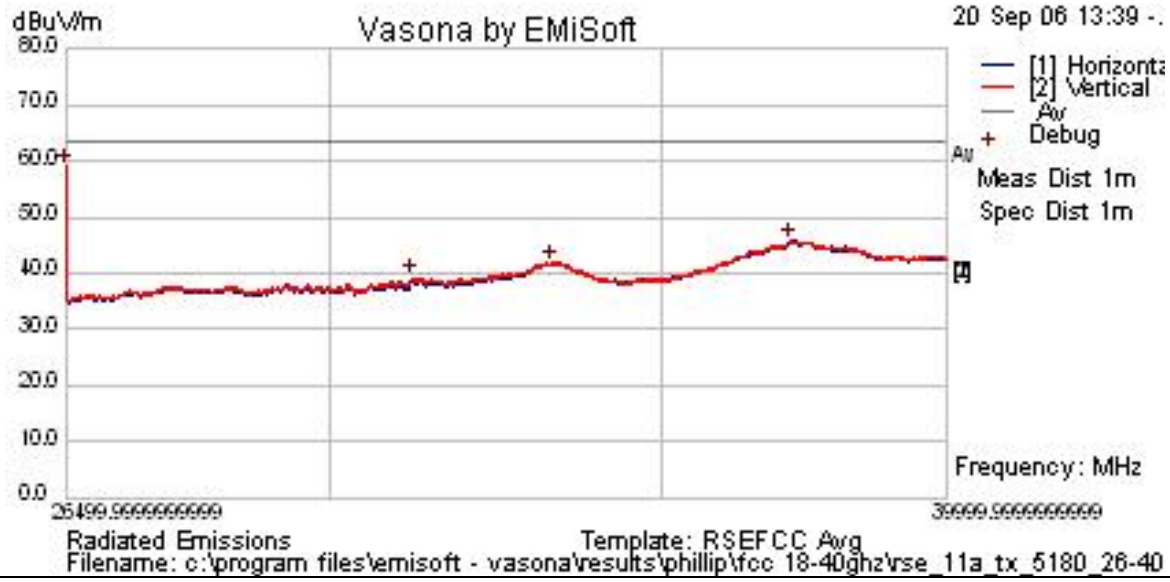
Title: rse_11a_tx_5180_18-26GHz_AVE

Test Results Table

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	Comments
26298.502	31.1	0	16.1	47.2	Avg	H	100	0	63.5	-16.3	Pass	
24869.844	30.9	0	15.8	46.7	Avg	H	100	0	63.5	-16.8	Pass	
23956.304	30.4	0	14.8	45.2	Avg	V	100	0	63.5	-18.3	Pass	
23106.543	28.9	0	14.4	43.3	Avg	H	100	0	63.5	-20.2	Pass	
20508.279	28.4	0	13.9	42.3	Avg	V	100	0	63.5	-21.2	Pass	

Subtest Number: 23509 - 8	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 26GHz to 40GHz Average (5180MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: rse_11a_tx_5180_26-40GHz_AVE

Test Results Table

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	Comments
26500	66.6	0	-7.5	59.1	Avg	V	100	0	63.5	-4.4	Pass	
37203.993	43.4	0	2.4	45.8	Avg	V	100	0	63.5	-17.7	Pass	
33263.3	38.7	0	3	41.8	Avg	V	100	0	63.5	-21.7	Pass	
31164.543	38.9	0	0.2	39.1	Avg	V	100	0	63.5	-24.4	Pass	

Subtest Number: 23509 - 9	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 1GHz to 18GHz PEAK (5200MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	1000.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements

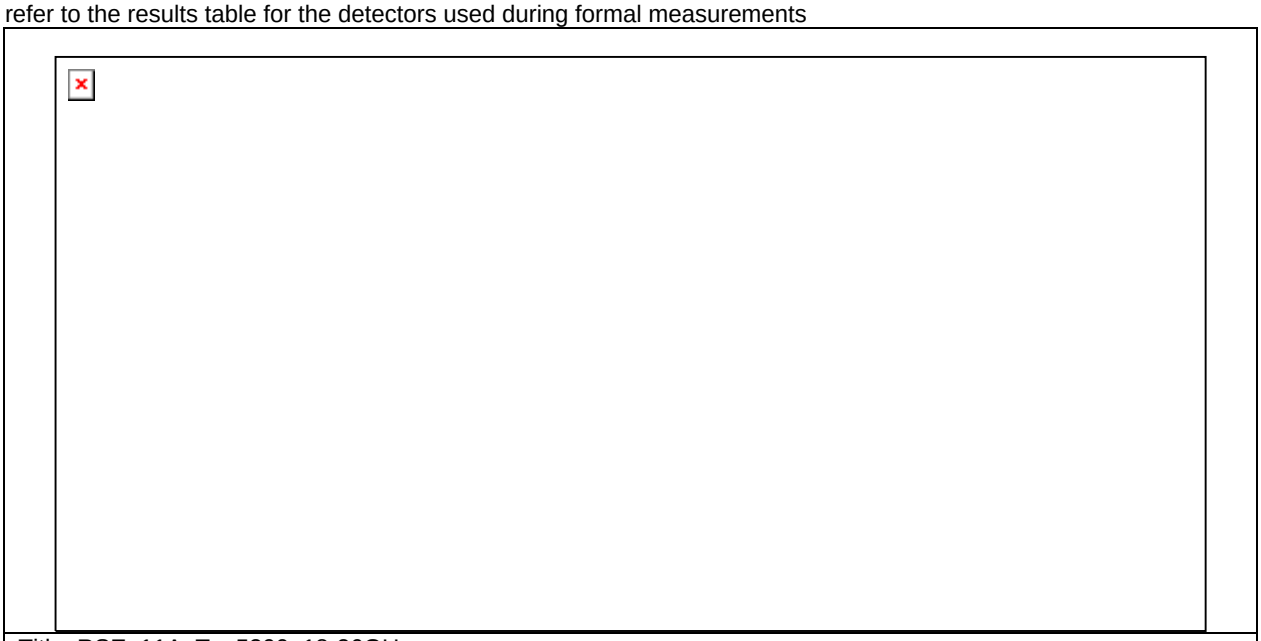
Title: RSE 5200MHz 6Mbps Peak

Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	qw	Pass /Fail	Comments
17915.159	41.4	12.8	11.2	65.3	Peak(Scan)	V	150	0	74	-8.7	Pass	noise floor
14404.866	41.2	11.5	7.1	59.9	Peak(Scan)	V	200	0	74	-14.1	Pass	noise floor
5203.018	45.7	6.1	-2	49.9	Peak(Scan)	V	98	-3	74	-24.1	Pass	
1191.055	57.2	2.9	-10.8	49.3	Peak(Scan)	H	98	-3	74	-24.7	Pass	
1095.395	57.6	2.7	-11.5	48.8	Peak(Scan)	V	98	-3	74	-25.2	Pass	
1000	56.9	2.6	-12.5	47	Peak(Scan)	V	98	-3	74	-27	Pass	

Subtest Number: 23509 - 10	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 18GHz to 26GHz PEAK (5200MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



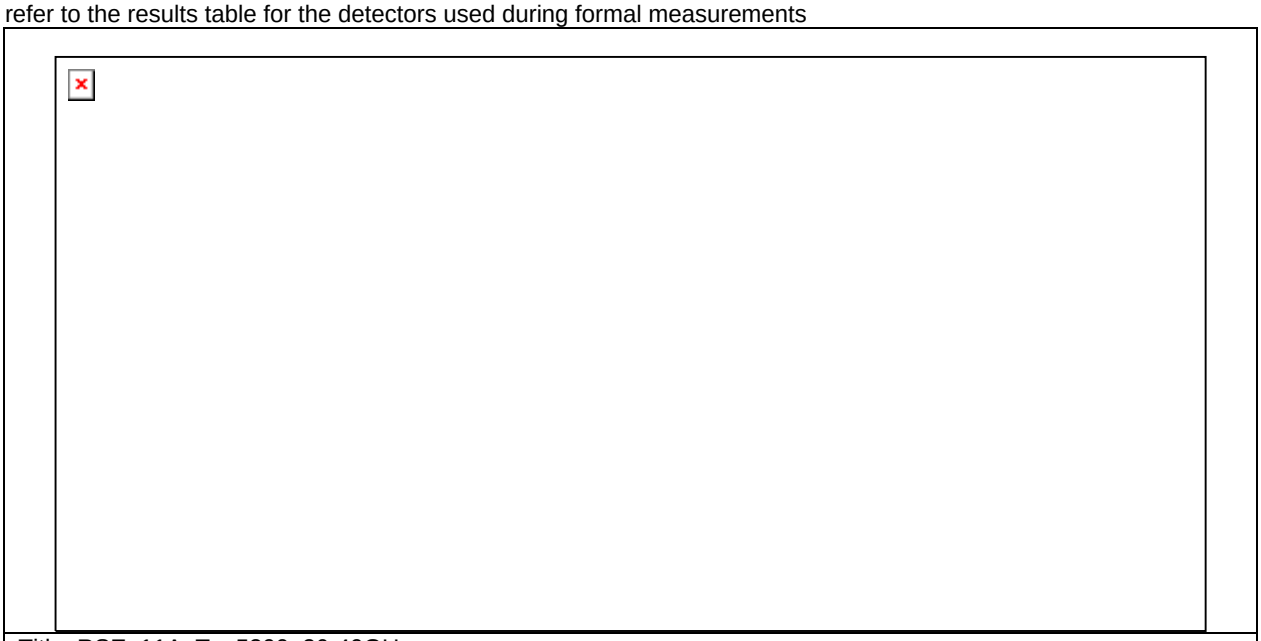
Title: RSE_11A_Tx_5200_18-26GHz

Test Results Table

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	Comments
26304.745	42.3	0	16.1	58.4	Peak(Scan)	H	100	0	83.5	-25.1	Pass	
24849.939	42.2	0	15.8	57.9	Peak(Scan)	H	100	0	83.5	-25.6	Pass	
23993.306	41.4	0	14.7	56.1	Peak(Scan)	H	100	0	83.5	-27.4	Pass	
20503.337	39.4	0	13.9	53.3	Peak(Scan)	H	100	0	83.5	-30.2	Pass	
19575.503	39.2	0	13.4	52.6	Peak(Scan)	V	100	0	83.5	-30.9	Pass	

Subtest Number: 23509 - 11	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 26GHz to 40GHz PEAK (5200MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE_11A_Tx_5200_26-40GHz

Test Results Table

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	Comments
26500	77.2	0	-7.5	69.6	Peak(Scan	H	100	0	83.5	-13.8	Pass	
37172.022	54.1	0	2.4	56.5	Peak(Scan)	H	100	0	83.5	-27	Pass	
37514.249	53.3	0	2.7	56	Peak(Scan)	V	100	0	83.5	-27.5	Pass	
33313.914	50.3	0	3.2	53.5	Peak(Scan)	V	100	0	83.5	-30	Pass	

Subtest Number: 23509 - 12	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 1GHz to 10GHz AVERAGE (5200MHz)**
Subtest Result	Pass
Highest Frequency	10000.0
Lowest Frequency	1000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements

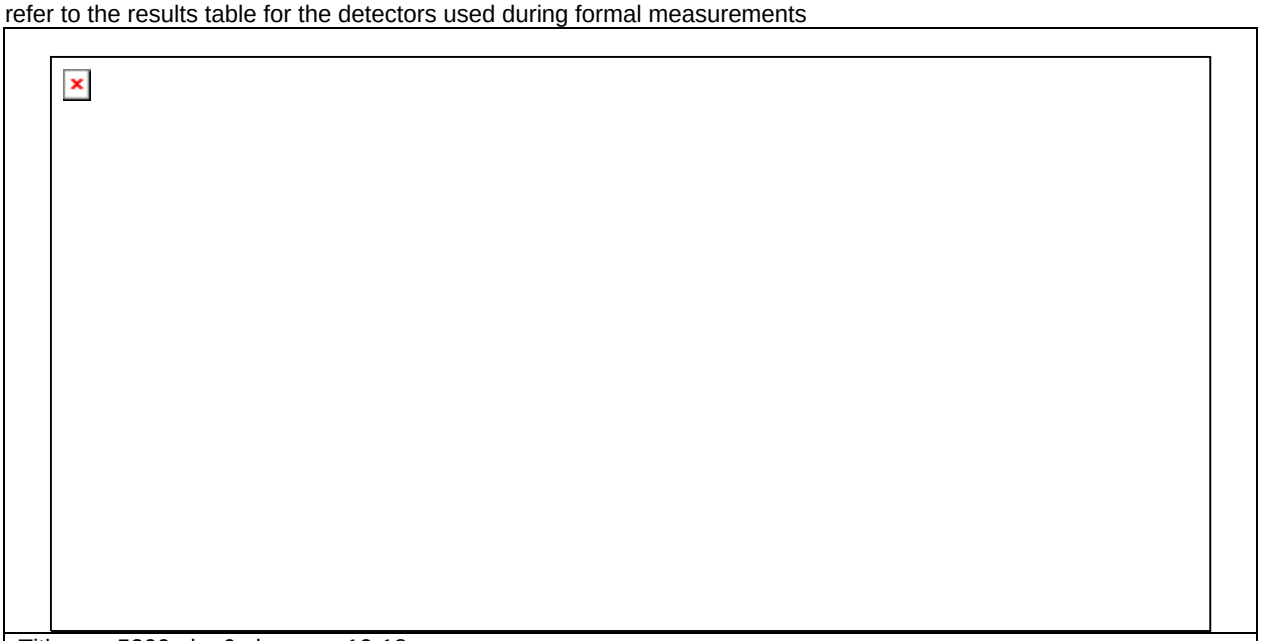
Title: rse 5200mhz 6mbps AVG 1-10G

Test Results Table

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	Comments
9943.855	31.7	8.7	1.6	42	Av	H	100	0	54	-12	Pass	noise floor
3970	39.3	5.2	-3.1	41.4	Av	H	154	178	54	-12.6	Pass	
5200.698	36	6.1	-2	40.1	Av	V	98	363	54	-13.9	Pass	
1499.678	40.9	3.2	-10.3	33.8	Av	V	98	363	54	-20.2	Pass	
1106.661	42.1	2.7	-11.4	33.4	Av	V	98	363	54	-20.6	Pass	
1477.286	40.2	3.1	-10.6	32.8	Av	V	98	104	54	-21.2	Pass	

Subtest Number: 23509 - 13	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 10GHz to 18GHz AVERAGE (5200MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	10000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



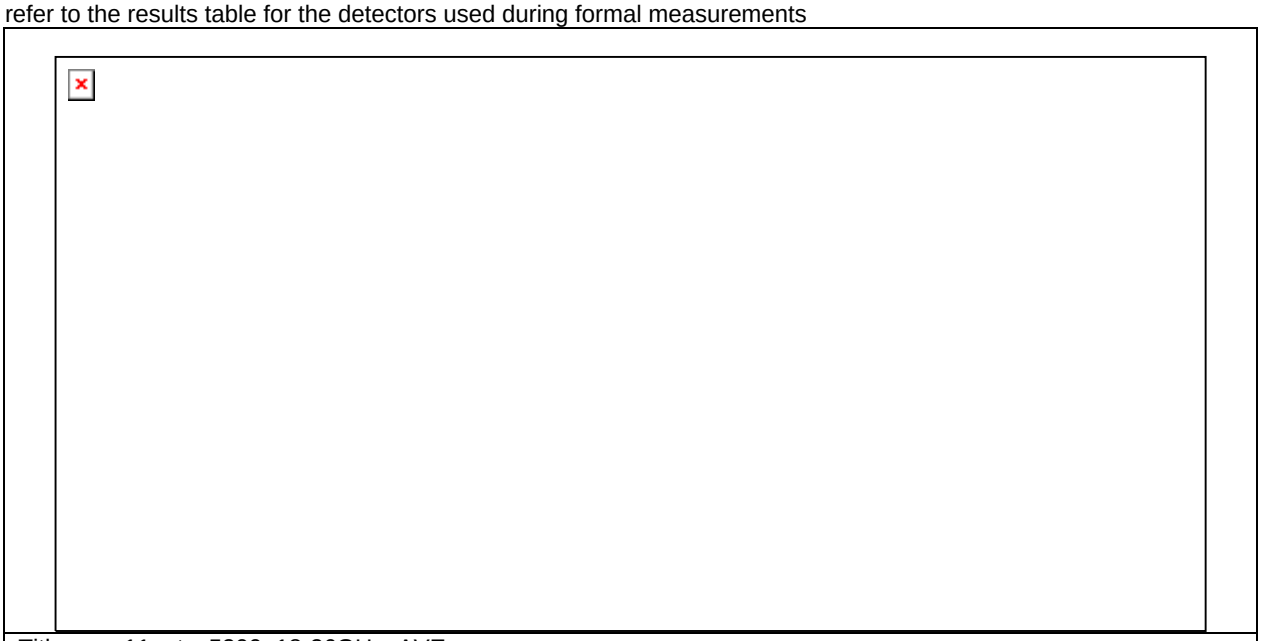
Title: rse 5200mhz 6mbps avg 10-18g

Test Results Table

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	Comments
17965.066	29.1	12.8	11.3	53.2	Av	H	100	0	63.5	-10.3	Pass	Noise Floor
14291.953	29.2	11.3	7.5	48	Av	V	100	0	63.5	-15.5	Pass	Noise Floor
13004.894	28.7	10.1	5.3	44	Av	V	100	0	63.5	-19.5	Pass	
11576.116	29.7	9.4	3.7	42.8	Av	H	100	0	63.5	-20.7	Pass	
10627.245	29.4	9.3	2.5	41.1	Av	H	100	0	63.5	-22.4	Pass	
10079.667	30.5	8.8	1.7	41	Av	V	100	0	63.5	-22.5	Pass	

Subtest Number: 23509 - 14	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 18GHz to 26GHz AVERAGE (5200MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



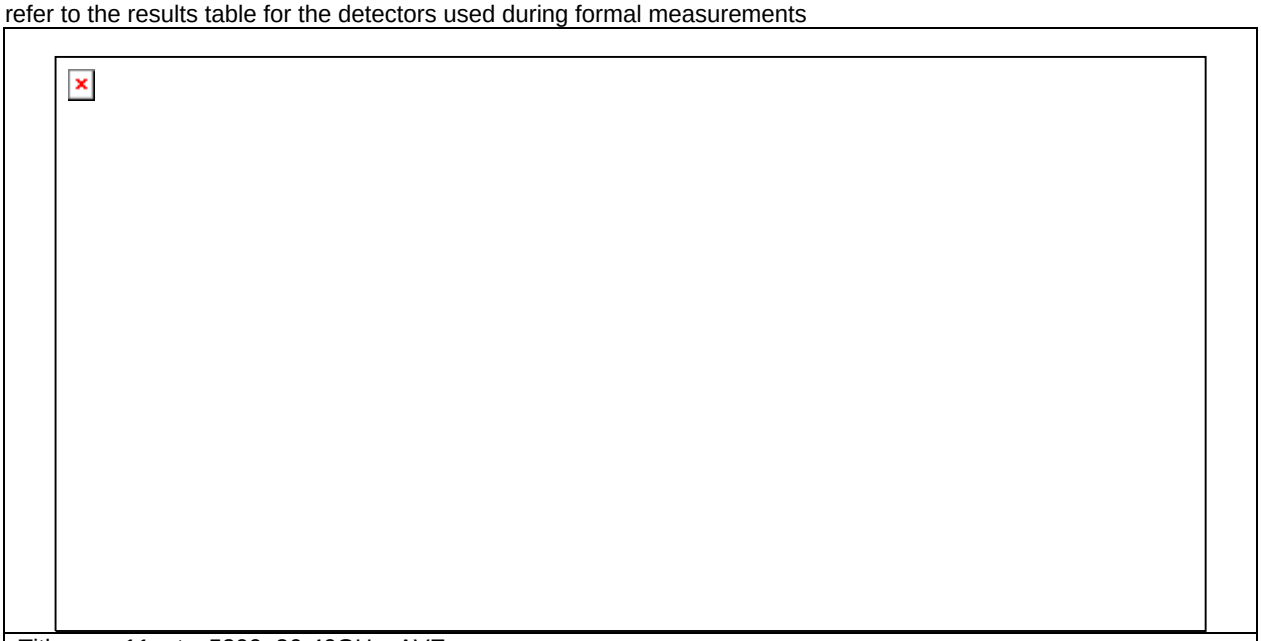
Title: rse_11a_tx_5200_18-26GHz_AVE

Test Results Table

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	Comments
26309.107	31.2	0	16.1	47.3	Avg	H	100	0	63.5	-16.2	Pass	
24825.118	31.3	0	15.6	47	Avg	V	100	0	63.5	-16.5	Pass	
23929.229	30.5	0	14.8	45.3	Avg	H	100	0	63.5	-18.2	Pass	
23105.873	28.8	0	14.4	43.2	Avg	V	100	0	63.5	-20.3	Pass	
20505.306	28.4	0	13.9	42.3	Avg	V	100	0	63.5	-21.2	Pass	

Subtest Number: 23509 - 15	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 26GHz to 40GHz AVERAGE (5200MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



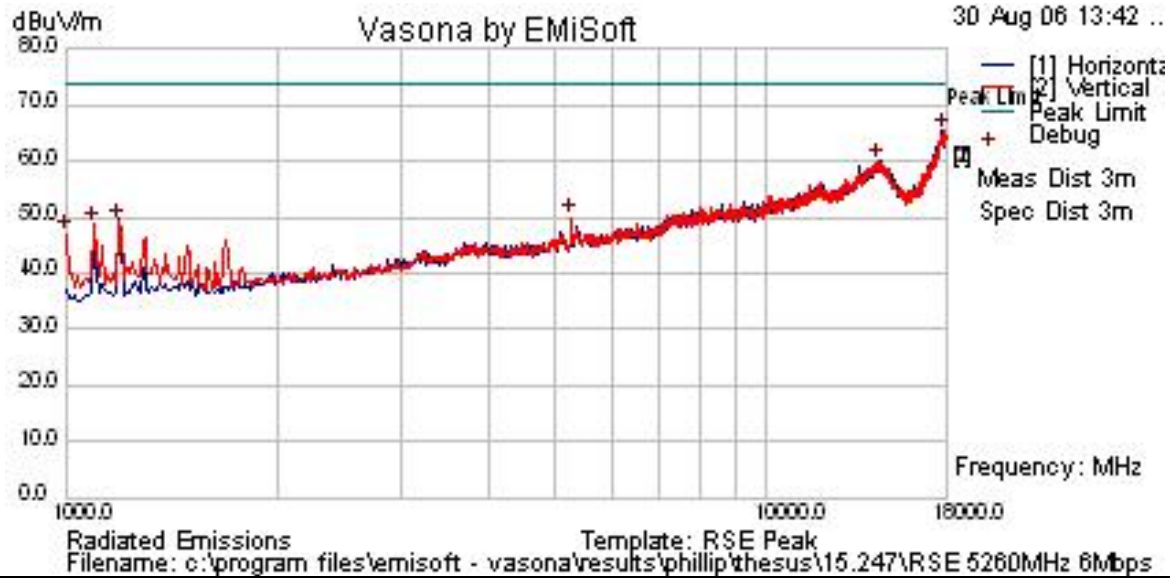
Title: rse_11a_tx_5200_26-40GHz_AVE

Test Results Table

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	Comments
26500	66.4	0	-7.5	58.8	Avg	V	100	0	63.5	-4.7	Pass	
37330.318	43.3	0	2.5	45.8	Avg	V	100	0	63.5	-17.7	Pass	
33189.396	38.9	0	2.9	41.8	Avg	H	100	0	63.5	-21.7	Pass	
31156.261	38.8	0	0.1	39	Avg	V	100	0	63.5	-24.5	Pass	

Subtest Number: 23509 - 9	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 1GHz to 18GHz PEAK (5260MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	1000.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE 5260MHz 6Mbps Peak

Test Results Table

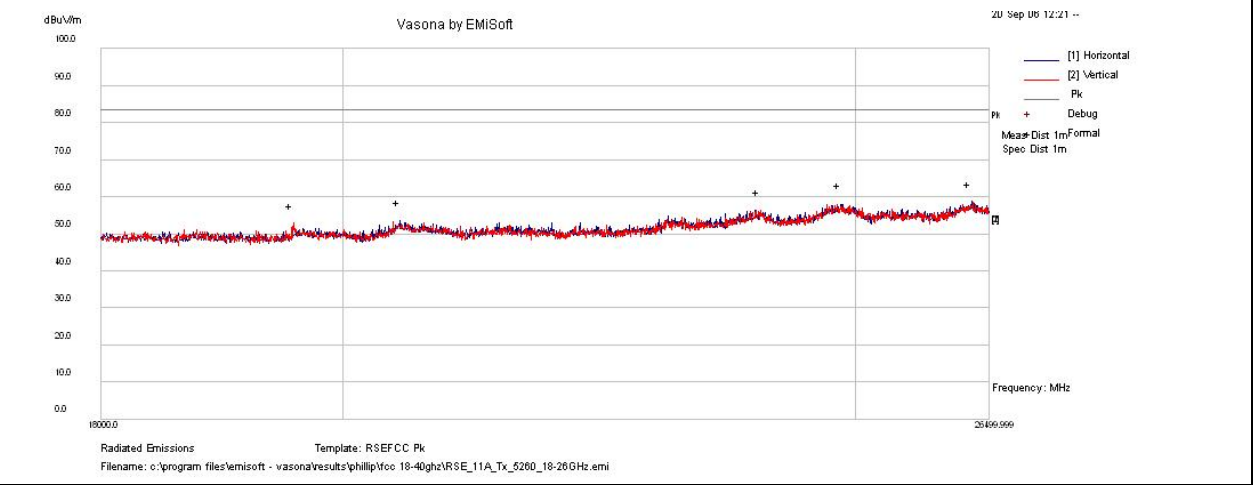
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	qw	Pass /Fail	Comments
17915.159	41.4	12.8	11.2	65.3	Peak(Scan)	V	150	0	74	-8.7	Pass	noise floor
14404.866	41.2	11.5	7.1	59.9	Peak(Scan)	V	200	0	74	-14.1	Pass	noise floor
5263.018	45.7	6.1	-2	49.9	Peak(Scan)	V	98	-3	74	-24.1	Pass	fundemental
1191.055	57.2	2.9	-10.8	49.3	Peak(Scan)	H	98	-3	74	-24.7	Pass	
1095.395	57.6	2.7	-11.5	48.8	Peak(Scan)	V	98	-3	74	-25.2	Pass	
1000	56.9	2.6	-12.5	47	Peak(Scan)	V	98	-3	74	-27	Pass	

Subtest Number: 23509 - 10	**Subtest Date:** 26-Sep-2006

Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 18GHz to 26GHz PEAK (5260MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	No further comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



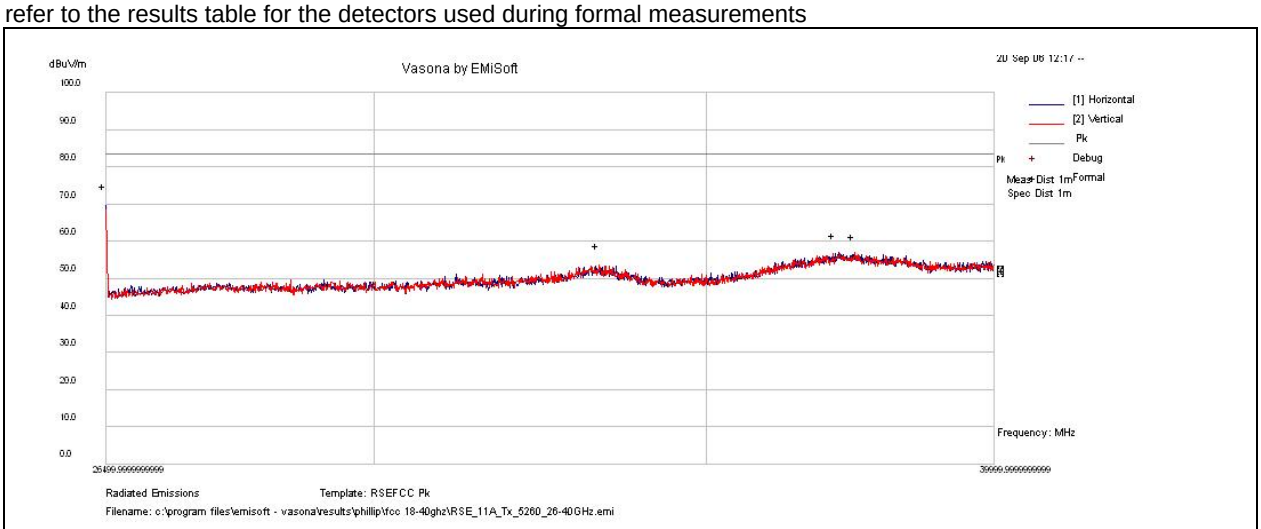
Title: RSE_11A_Tx_5260_18-26GHz

Test Results Table

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	Comments
26304.745	42.3	0	16.1	58.4	Peak(Scan)	H	100	0	83.5	-25.1	Pass	
24849.939	42.2	0	15.8	57.9	Peak(Scan)	H	100	0	83.5	-25.6	Pass	
23993.306	41.4	0	14.7	56.1	Peak(Scan)	H	100	0	83.5	-27.4	Pass	
20503.337	39.4	0	13.9	53.3	Peak(Scan)	H	100	0	83.5	-30.2	Pass	
19575.503	39.2	0	13.4	52.6	Peak(Scan)	V	100	0	83.5	-30.9	Pass	

Subtest Number: 23509 - 11	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 26GHz to 40GHz PEAK (5260MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE_11A_Tx_5260_26-40GHz

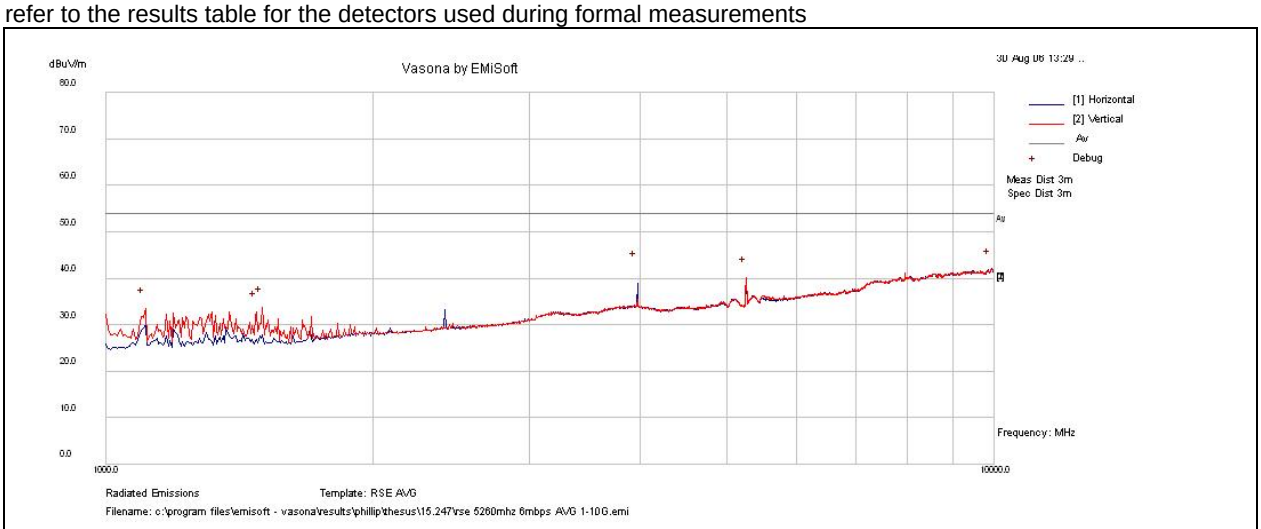
Test Results Table

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	Comments
26500	77.2	0	-7.5	69.6	Peak(Scan	H	100	0	83.5	-13.8	Pass	
37172.022	54.1	0	2.4	56.5	Peak(Scan)	H	100	0	83.5	-27	Pass	
37514.249	53.3	0	2.7	56	Peak(Scan)	V	100	0	83.5	-27.5	Pass	
33313.914	50.3	0	3.2	53.5	Peak(Scan)	V	100	0	83.5	-30	Pass	

Subtest Number: 23509 - 12	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 1GHz to 10GHz AVERAGE (5260MHz)**
Subtest Result	Pass
Highest Frequency	10000.0
Lowest Frequency	1000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



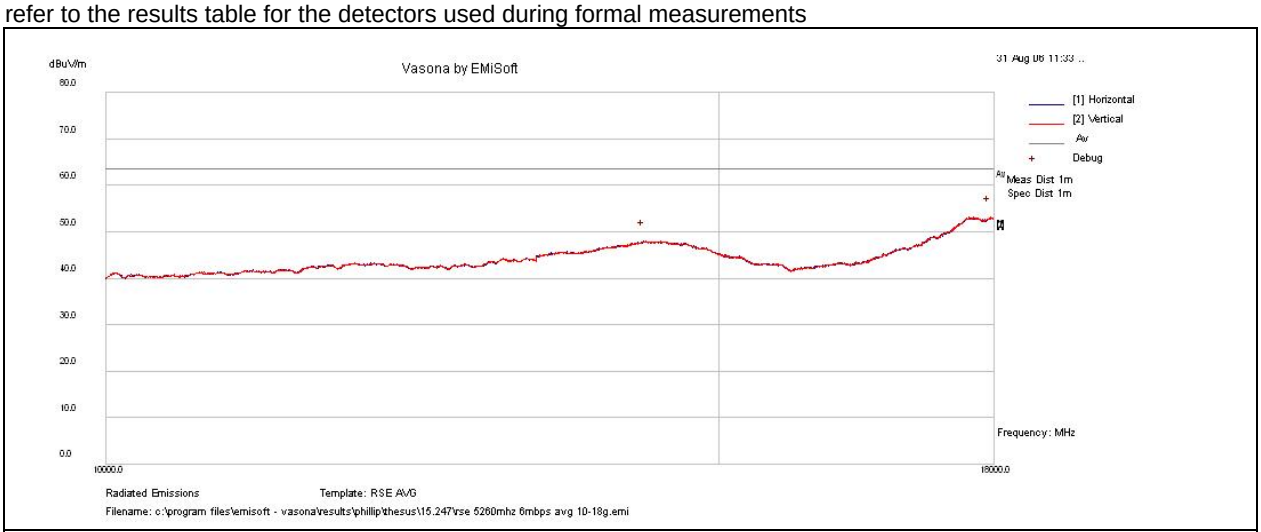
Title: rse 5260mhz 6mbps AVG 1-10G

Test Results Table

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	Comments
9943.855	31.7	8.7	1.6	42	Av	H	100	0	54	-12	Pass	noise floor
3970	39.3	5.2	-3.1	41.4	Av	H	154	178	54	-12.6	Pass	
5265.698	36	6.1	-2	40.1	Av	V	98	363	54	-13.9	Pass	fundemental
1499.678	40.9	3.2	-10.3	33.8	Av	V	98	363	54	-20.2	Pass	
1106.661	42.1	2.7	-11.4	33.4	Av	V	98	363	54	-20.6	Pass	
1477.286	40.2	3.1	-10.6	32.8	Av	V	98	104	54	-21.2	Pass	

Subtest Number: 23509 - 13	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 10GHz to 18GHz AVERAGE (5260MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	10000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



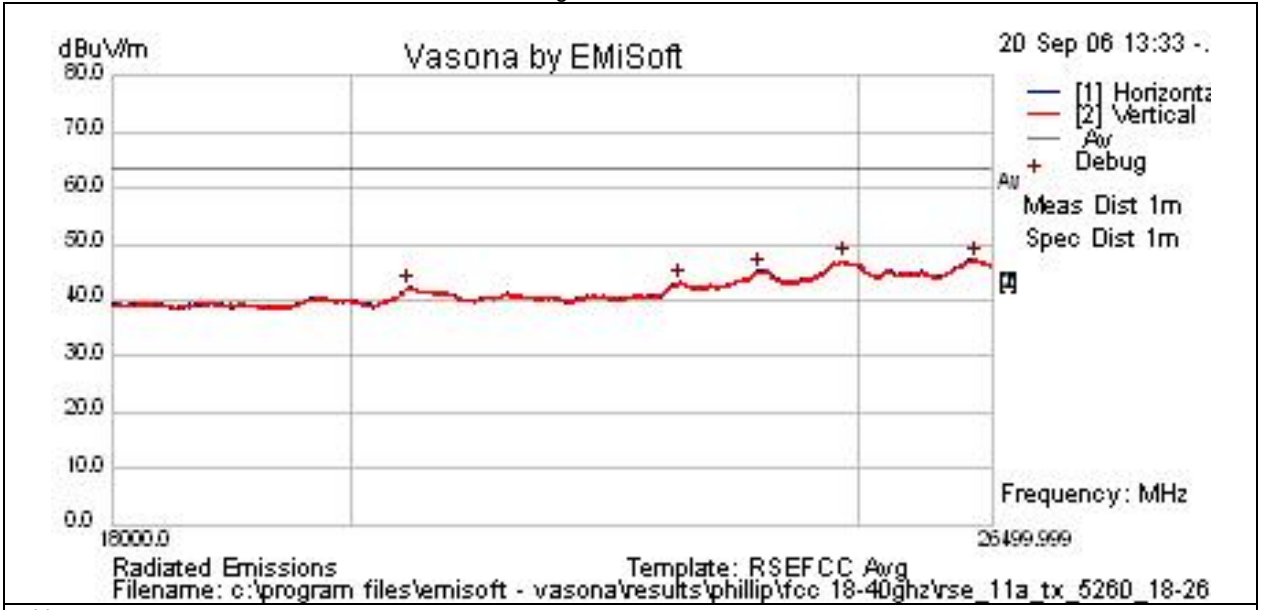
Title: rse 5260mhz 6mbps avg 10-18g

Test Results Table

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	Comments
17965.066	29.1	12.8	11.3	53.2	Av	H	100	0	63.5	-10.3	Pass	Noise Floor
14291.953	29.2	11.3	7.5	48	Av	V	100	0	63.5	-15.5	Pass	Noise Floor
13004.894	28.7	10.1	5.3	44	Av	V	100	0	63.5	-19.5	Pass	
11576.116	29.7	9.4	3.7	42.8	Av	H	100	0	63.5	-20.7	Pass	
10627.245	29.4	9.3	2.5	41.1	Av	H	100	0	63.5	-22.4	Pass	
10079.667	30.5	8.8	1.7	41	Av	V	100	0	63.5	-22.5	Pass	

Subtest Number: 23509 - 14	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 18GHz to 26GHz AVERAGE (5260MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



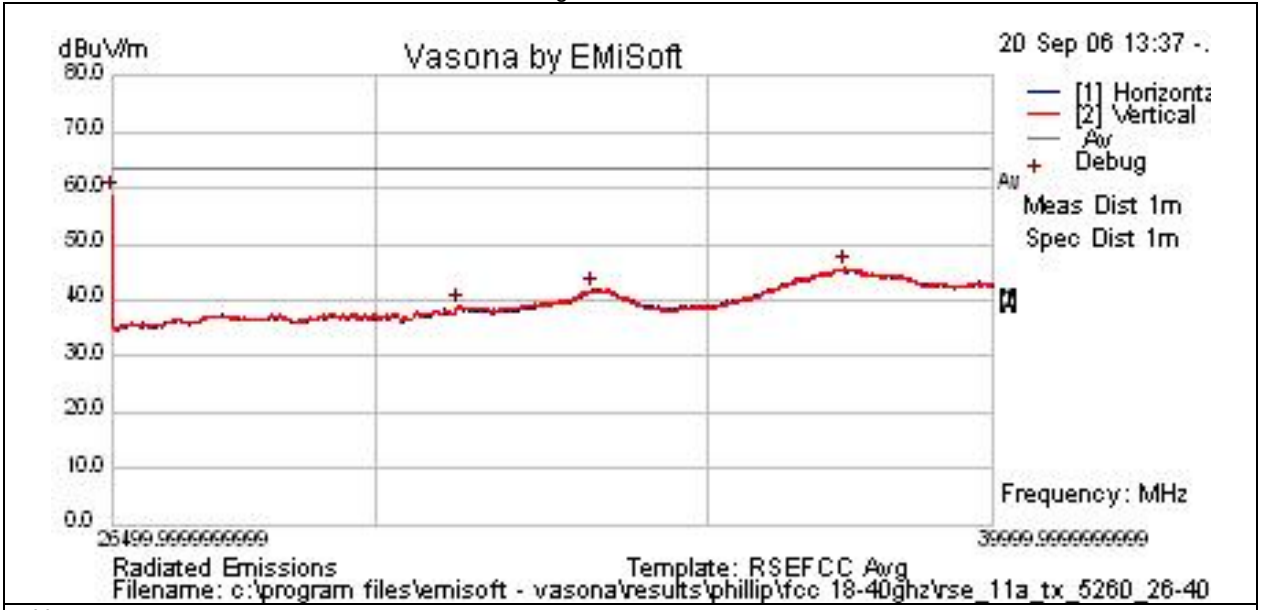
Title: rse_11a_tx_5260_18-26GHz_AVE

Test Results Table

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	Comments
26309.107	31.2	0	16.1	47.3	Avg	H	100	0	63.5	-16.2	Pass	
24825.118	31.3	0	15.6	47	Avg	V	100	0	63.5	-16.5	Pass	
23929.229	30.5	0	14.8	45.3	Avg	H	100	0	63.5	-18.2	Pass	
23105.873	28.8	0	14.4	43.2	Avg	V	100	0	63.5	-20.3	Pass	
20505.306	28.4	0	13.9	42.3	Avg	V	100	0	63.5	-21.2	Pass	

Subtest Number: 23509 - 15	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**802.11A RSE 26GHz to 40GHz AVERAGE (5260MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



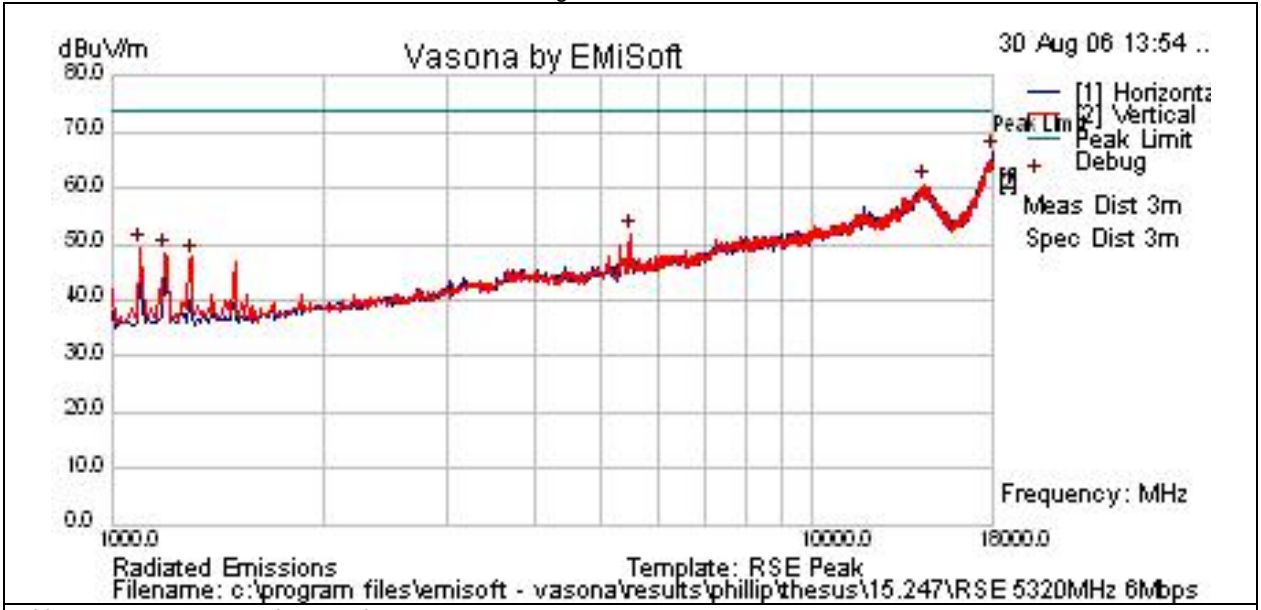
Title: rse_11a_tx_5260_26-40GHz_AVE

Test Results Table

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	Comments
26500	66.4	0	-7.5	58.8	Avg	V	100	0	63.5	-4.7	Pass	
37330.318	43.3	0	2.5	45.8	Avg	V	100	0	63.5	-17.7	Pass	
33189.396	38.9	0	2.9	41.8	Avg	H	100	0	63.5	-21.7	Pass	
31156.261	38.8	0	0.1	39	Avg	V	100	0	63.5	-24.5	Pass	

Subtest Number: 23509 - 16	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 1GHz to 18GHz PEAK (5320MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	1000.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



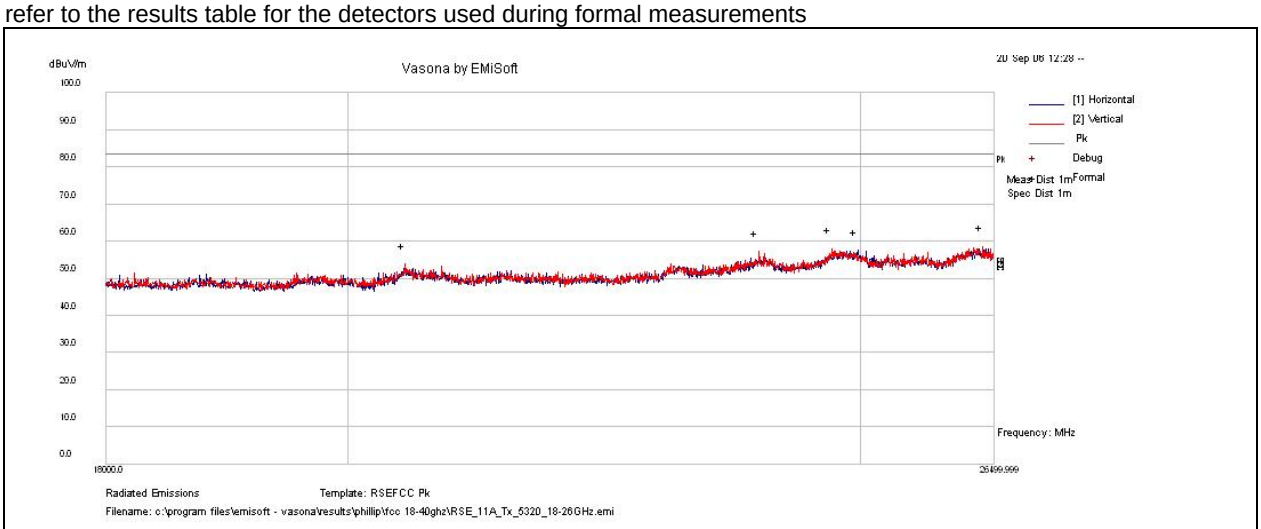
Title: RSE 5320MHz 6Mbps Peak

Test Results Table

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	Comments
17968.185	42.2	12.8	11.3	66.3	Peak(Scan)	H	200	0	74	-7.7	Pass	Noise Floor
14383.656	42.2	11.4	7.2	60.8	Peak(Scan)	V	100	0	74	-13.2	Pass	Noise Floor
5475.319	47.3	6.2	-1.7	51.8	Peak(Scan)	V	98	-3	74	-22.2	Pass	
1095.452	58.2	2.7	-11.5	49.4	Peak(Scan)	V	98	-3	74	-24.6	Pass	
1191.125	56.5	2.9	-10.8	48.5	Peak(Scan)	V	98	-3	74	-25.5	Pass	
1296.842	55.4	2.9	-10.6	47.7	Peak(Scan)	V	98	-3	74	-26.3	Pass	

Subtest Number: 23509 - 17	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 18GHz to 26GHz PEAK (5320MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE_11A_Tx_5320_18-26GHz

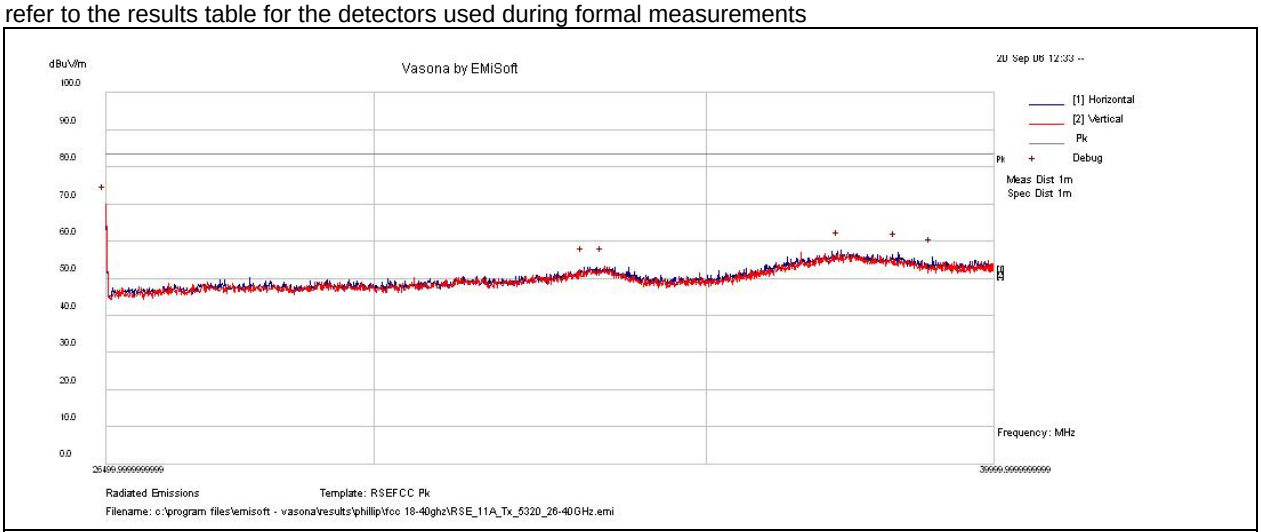
Test Results Table

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	Comments
26378.047	42.4	0	16.1	58.5	Peak(Scan)	V	100	0	83.5	-25	Pass	
24696.942	42.8	0	15.1	57.9	Peak(Scan)	V	100	0	83.5	-25.6	Pass	
24977.923	41.8	0	15.6	57.4	Peak(Scan)	H	100	0	83.5	-26.1	Pass	
23922.952	42.4	0	14.8	57.1	Peak(Scan)	V	100	0	83.5	-26.4	Pass	
20503.286	39.8	0	13.9	53.7	Peak(Scan)	V	100	0	83.5	-29.8	Pass	

Subtest Number: 23509 - 18	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 26GHz to 40GHz PEAK (5320MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	No further comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



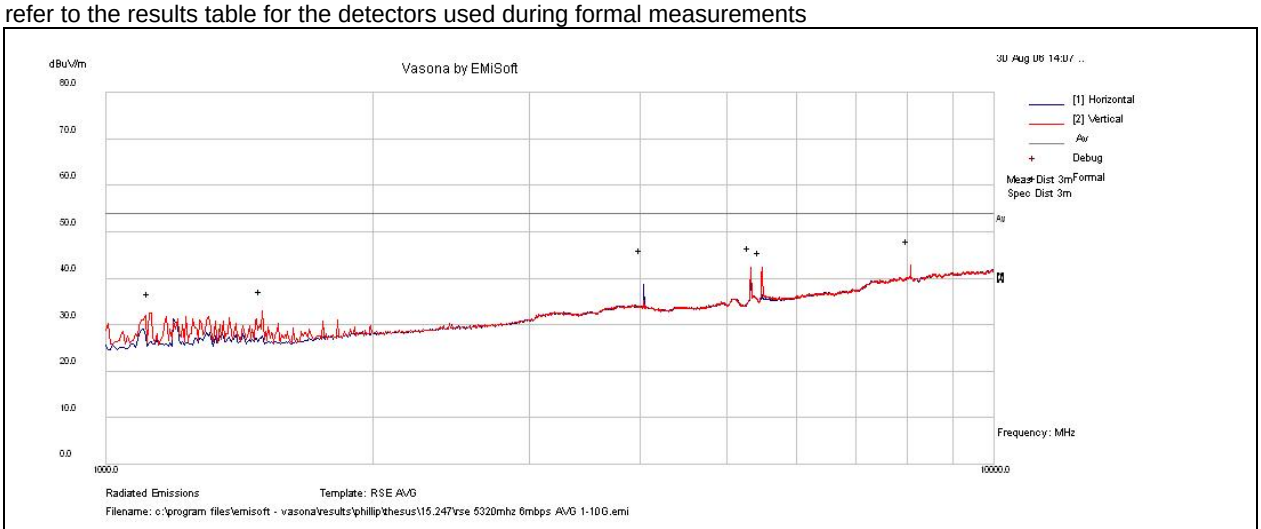
Title: RSE_11A_Tx_5320_26-40GHz

Test Results Table

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	Comments
26500	77.3	0	-7.5	69.8	Peak(Scan)	V	100	0	83.5	-13.7	Pass	
37264.809	54.8	0	2.5	57.3	Peak(Scan)	H	100	0	83.5	-26.2	Pass	
38256.708	53.5	0	3.3	56.9	Peak(Scan)	H	100	0	83.5	-26.6	Pass	
38880.709	53.3	0	2.3	55.6	Peak(Scan)	H	100	0	83.5	-27.9	Pass	
33389.974	49.6	0	3.6	53.1	Peak(Scan)	V	100	0	83.5	-30.4	Pass	
33085.542	49.9	0	3.1	53	Peak(Scan)	H	100	0	83.5	-30.5	Pass	

Subtest Number: 23509 - 19	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 1GHz to 10GHz AVERAGE (5320MHz)**
Subtest Result	Pass
Highest Frequency	10000.0
Lowest Frequency	1000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



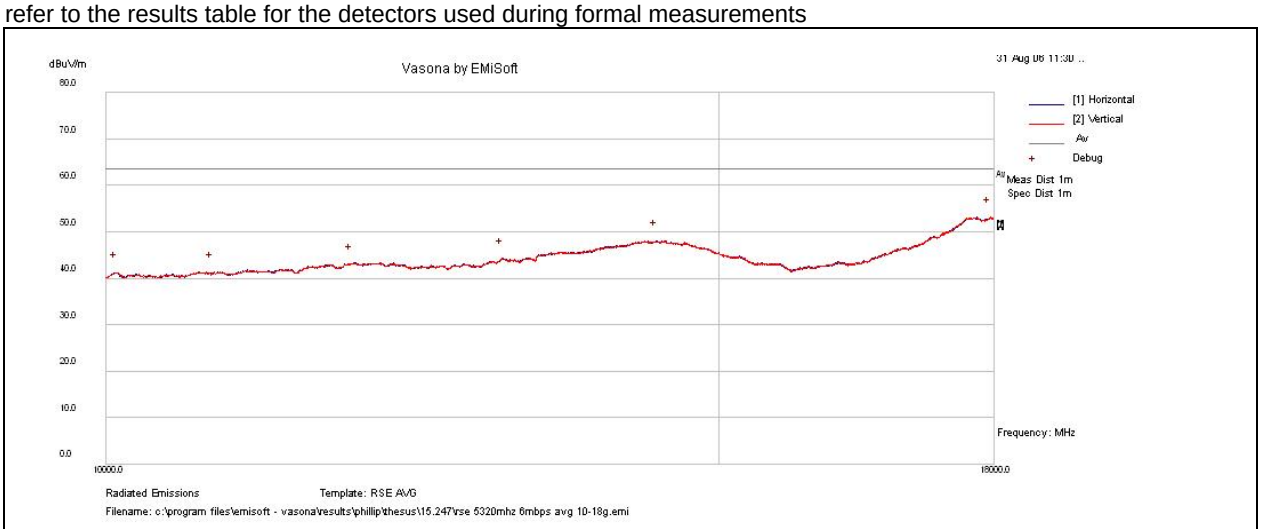
Title: rse 5320mhz 6mbps AVG 1-10G

Test Results Table

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	Comments
8059.97	35.5	7.9	0.6	44	Av	V	107	153	54	-10	Pass	
5328.759	38.1	6.1	-1.9	42.4	Av	V	150	0	54	-11.6	Pass	fundemental
4030.05	39.9	5.3	-3.3	42	Av	H	136	186	54	-12	Pass	
5482.11	37	6.2	-1.7	41.5	Av	V	99	164	54	-12.5	Pass	
1499.69	40.1	3.2	-10.3	33	Av	V	98	-3	54	-21	Pass	
1123.204	41.1	2.7	-11.2	32.6	Av	V	98	-3	54	-21.4	Pass	

Subtest Number: 23509 - 20	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 10GHz to 18GHz AVERAGE (5320MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	10000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



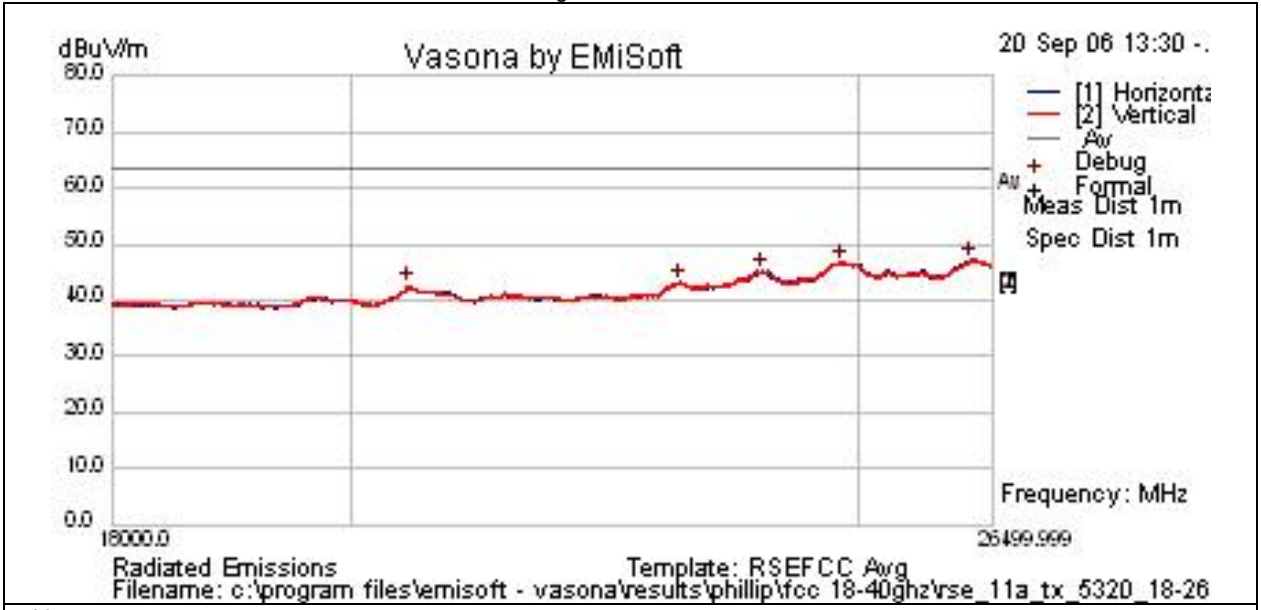
Title: rse 5320mhz 6mbps avg 10-18g

Test Results Table

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	Comments
17965.066	29.1	12.8	11.3	53.2	Av	V	100	0	63.5	-10.4	Pass	Noise Floor
14406.737	29.4	11.6	7.1	48	Av	H	100	0	63.5	-15.5	Pass	Noise Floor
13016.365	28.7	10.1	5.3	44.1	Av	H	100	0	63.5	-19.4	Pass	
11771.671	29.6	9.5	4	43	Av	H	100	0	63.5	-20.5	Pass	
10740.28	29.2	9.4	2.6	41.2	Av	H	100	0	63.5	-22.3	Pass	
10073.744	30.6	8.8	1.7	41.1	Av	V	100	0	63.5	-22.4	Pass	

Subtest Number: 23509 - 21	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 18GHz to 26GHz AVERAGE (5320MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



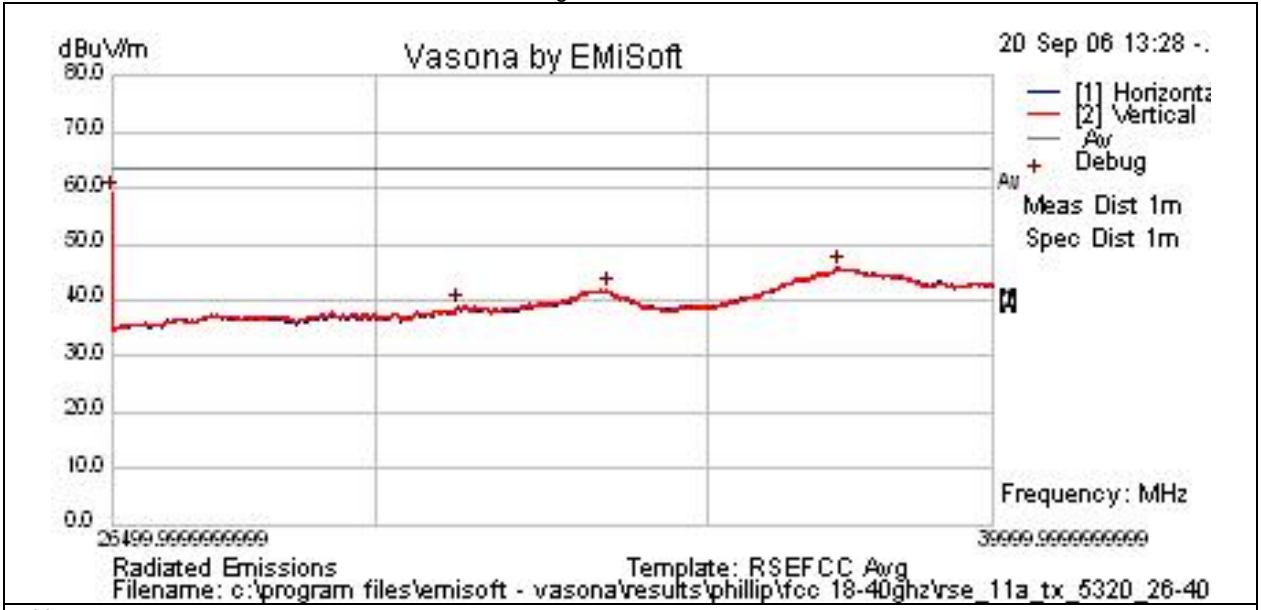
Title: rse_11a_tx_5320_18-26GHz_AVE

Test Results Table

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	Comments
26250.779	31.2	0	16.1	47.3	Avg	V	100	0	63.5	-16.2	Pass	
24798.654	31.1	0	15.7	46.8	Avg	H	100	0	63.5	-16.7	Pass	
23945.485	30.4	0	14.8	45.2	Avg	V	100	0	63.5	-18.3	Pass	
23109.897	29	0	14.4	43.4	Avg	V	100	0	63.5	-20.1	Pass	
20502.563	28.6	0	13.9	42.5	Avg	V	100	0	63.5	-21	Pass	

Subtest Number: 23509 - 22	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 26GHz to 40GHz AVERAGE (5320MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



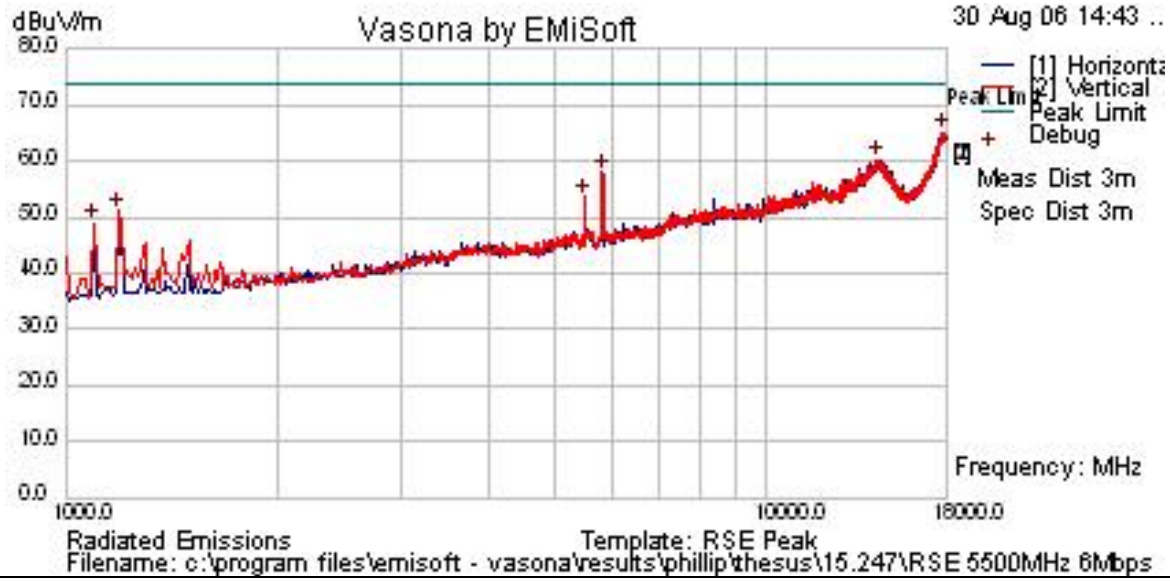
Title: rse_11a_tx_5320_26-40GHz_AVE

Test Results Table

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	Comments
26500	66.4	0	-7.5	58.9	Avg	V	100	0	63.5	-4.6	Pass	
37212.414	43.4	0	2.4	45.8	Avg	H	100	0	63.5	-17.7	Pass	
33405.761	38.3	0	3.6	42	Avg	V	100	0	63.5	-21.5	Pass	
31154.721	38.8	0	0.1	38.9	Avg	V	100	0	63.5	-24.6	Pass	

Subtest Number: 23509 - 23	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 1GHz to 18GHz PEAK (5500MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	1000.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: RSE 5500MHz 6Mbps Peak

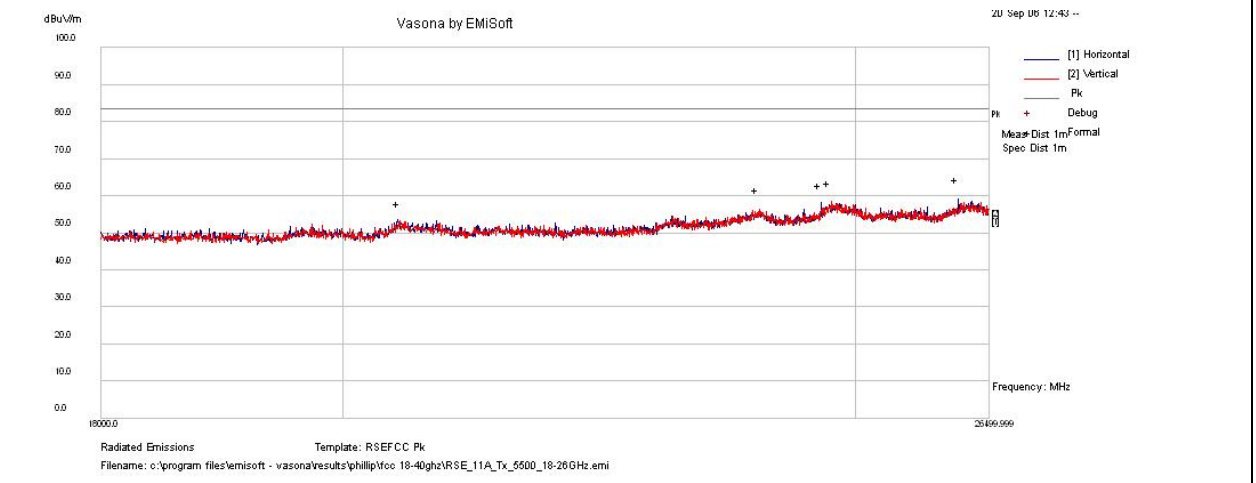
Test Results Table

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	Comments
17819.713	41.2	12.6	11.3	65.1	Peak(Scan)	H	200	0	74	-8.9	Pass	Noise Floor
14351.84	41.5	11.4	7.3	60.2	Peak(Scan)	H	200	0	74	-13.8	Pass	Noise Floor
5840.96	54.9	6.5	-2	59.4	Peak(Scan)	V	121	159	74	-14.6	Pass	
5506.937	49.1	6.2	-1.7	53.6	Peak(Scan)	V	98	-3	74	-20.4	Pass	Carrier
1191.076	59.2	2.9	-10.8	51.3	Peak(Scan)	V	98	-3	74	-22.7	Pass	
1095.501	57.7	2.7	-11.5	48.9	Peak(Scan)	V	98	-3	74	-25.1	Pass	

Subtest Number: 23509 - 24	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 18GHz to 26GHz PEAK (5500MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	No further comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



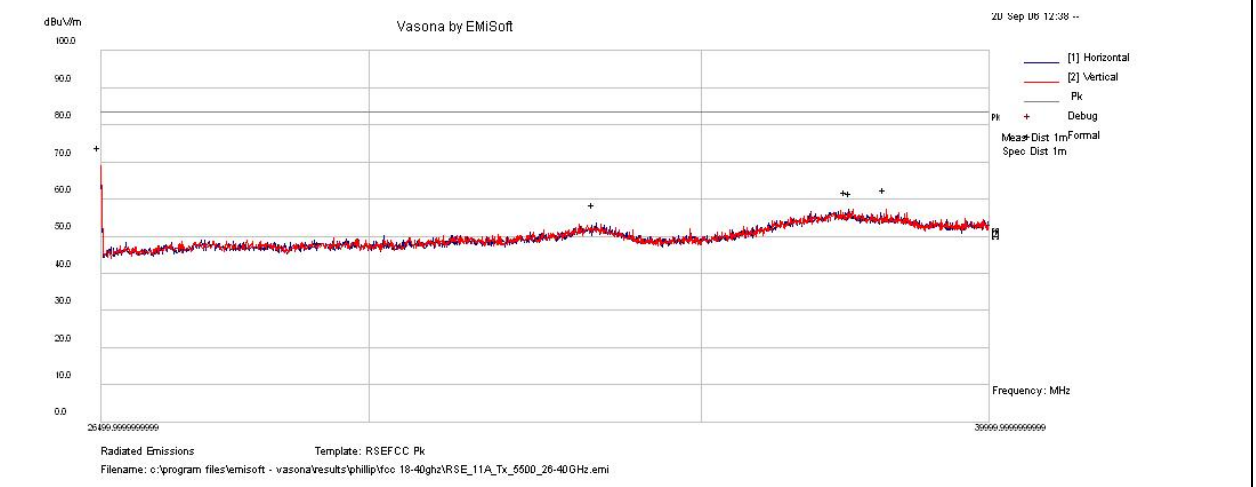
Title: RSE_11A_Tx_5500_18-26GHz

Test Results Table

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	Comments
26155.468	42.7	0	16.3	59.1	Peak(Scan)	H	100	0	83.5	-24.4	Pass	
24745.154	42.9	0	15.4	58.3	Peak(Scan)	V	100	0	83.5	-25.2	Pass	
24639.481	42.9	0	14.7	57.6	Peak(Scan)	H	100	0	83.5	-25.9	Pass	
23979.847	41.5	0	14.8	56.3	Peak(Scan)	V	100	0	83.5	-27.2	Pass	
20504.001	38.9	0	13.9	52.8	Peak(Scan)	V	100	0	83.5	-30.7	Pass	

Subtest Number: 23509 - 25	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 26GHz to 40GHz PEAK (5500MHz)**
Subtest Result	Pass
Highest Frequency	40000.0
Lowest Frequency	26500.0
Comments on the above Test Results	No further comments

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



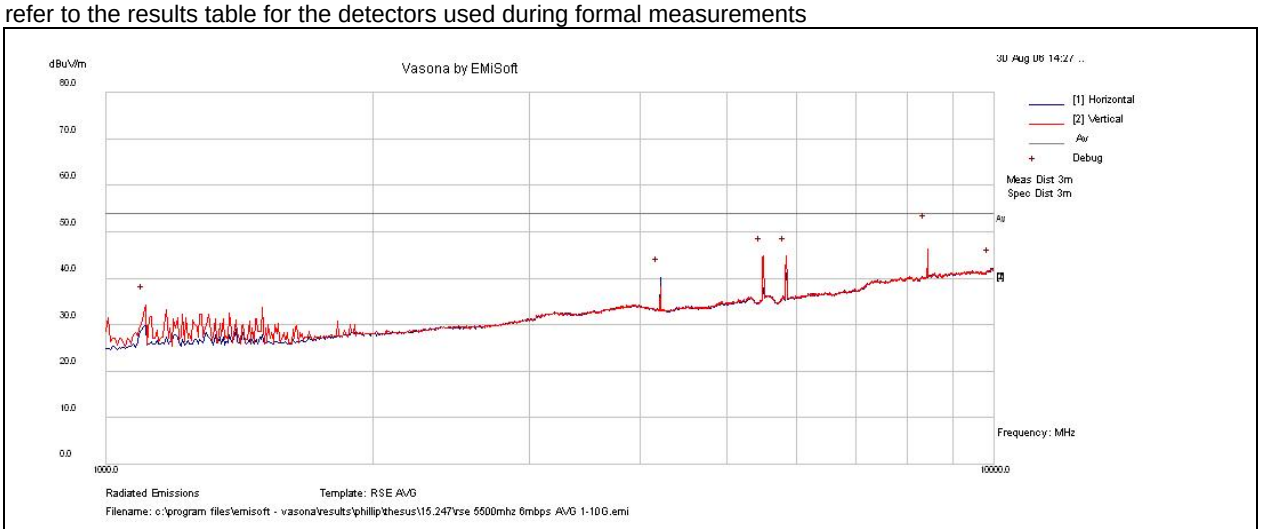
Title: RSE_11A_Tx_5500_26-40GHz

Test Results Table

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	Comments
26500	76.3	0	-7.5	68.8	Peak(Scan	V	100	0	83.5	-14.7	Pass	
38147.078	54.5	0	2.7	57.2	Peak(Scan)	V	100	0	83.5	-26.3	Pass	
37483.395	54.1	0	2.8	56.9	Peak(Scan)	H	100	0	83.5	-26.6	Pass	
37563.413	53.6	0	2.9	56.4	Peak(Scan)	V	100	0	83.5	-27.1	Pass	
33339.76	49.8	0	3.4	53.2	Peak(Scan)	H	100	0	83.5	-30.3	Pass	

Subtest Number: 23509 - 26	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 1GHz to 10GHz AVERAGE (5500MHz)**
Subtest Result	Pass
Highest Frequency	10000.0
Lowest Frequency	1000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



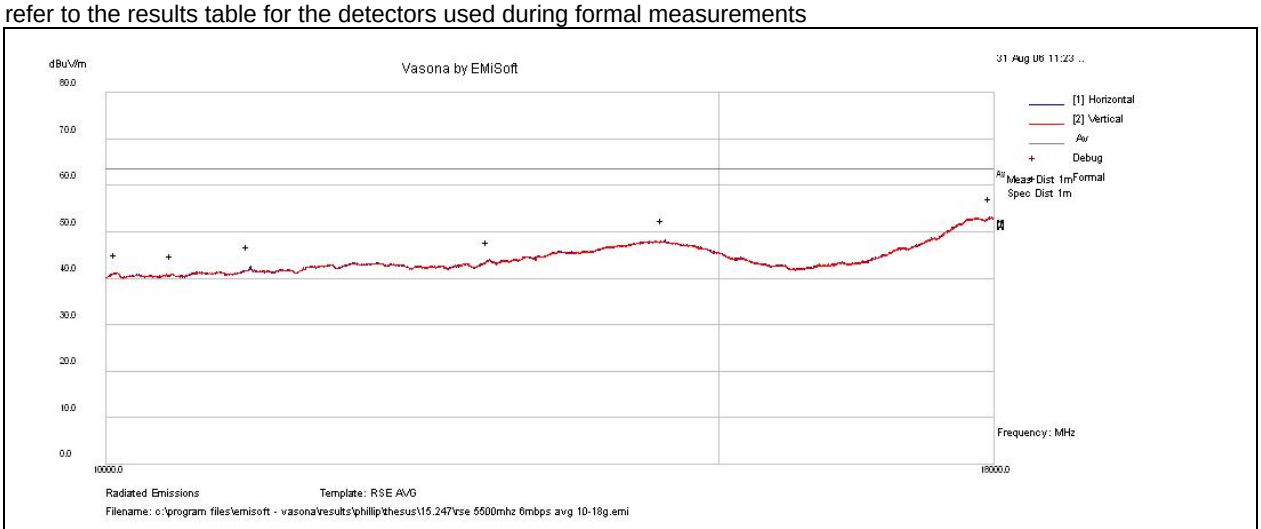
Title: rse 5500mhz 6mbps AVG 1-10G

Test Results Table

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	Comments
8420.03	40.5	8.1	1	49.7	Av	V	124	283	54	-4.3	Pass	
5840.44	40.6	6.5	-2	45.1	Av	V	125	159	54	-8.9	Pass	
5502.807	40.2	6.2	-1.7	44.7	Av	V	100	0	54	-9.3	Pass	fundemental
9949.47	31.8	8.7	1.6	42.1	Av	V	200	0	54	-11.9	Pass	noise floor
4209.98	40.3	5.4	-3.7	42	Av	H	144	178	54	-12	Pass	
1106.675	43	2.7	-11.4	34.3	Av	V	150	0	54	-19.7	Pass	

Subtest Number: 23509 - 27	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 10GHz to 18GHz AVERAGE (5500MHz)**
Subtest Result	Pass
Highest Frequency	18000.0
Lowest Frequency	10000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



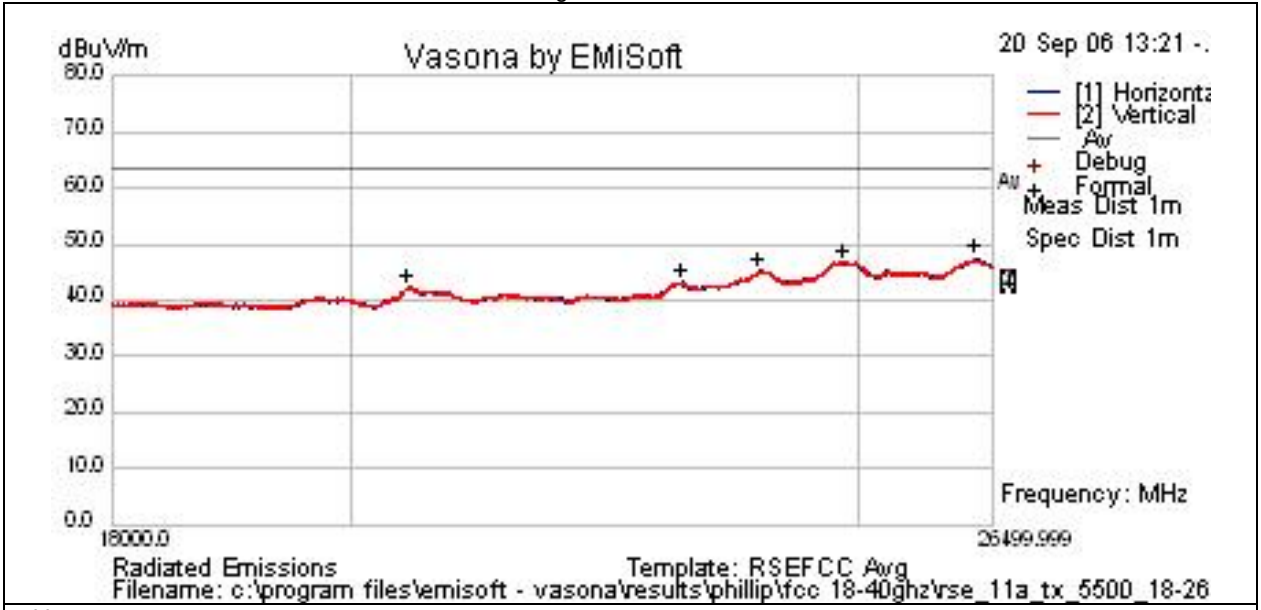
Title: rse 5500mhz 6mbps avg 10-18g

Test Results Table

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	Comments
17980.037	29.1	12.8	11.3	53.1	Av	V	100	0	63.5	-10.4	Pass	Noise Floor
14476.606	29.6	11.6	7	48.3	Av	H	100	0	63.5	-15.2	Pass	Noise Floor
12898.315	28.8	10	5	43.7	Av	H	100	0	63.5	-19.8	Pass	
11003.191	30.5	9.4	2.7	42.7	Av	H	100	0	63.5	-20.8	Pass	
10079.667	30.4	8.8	1.7	40.9	Av	V	100	0	63.5	-22.6	Pass	
10459.92	29.4	9.1	2.1	40.7	Av	H	100	0	63.5	-22.8	Pass	

Subtest Number: 23509 - 28	**Subtest Date:** 26-Sep-2006
Engineer	Phillip Carranco
Lab Information	Building I, 5m Anechoic
Subtest Results	
Subtest Title	**RSE 18GHz to 26GHz AVERAGE (5500MHz)**
Subtest Result	Pass
Highest Frequency	26499.999
Lowest Frequency	18000.0
Comments on the above Test Results	1 MHz RBW, 10 Hz VBW

Graphical Test Results
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Title: rse_11a_tx_5500_18-26GHz_AVE

Test Results Table

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	Comments
26303.804	31.3	0	16.1	47.4	Avg	H	100	0	63.5	-16.1	Pass	
24827.59	31	0	15.6	46.7	Avg	V	100	0	63.5	-16.8	Pass	
23923.169	30.4	0	14.8	45.2	Avg	H	100	0	63.5	-18.3	Pass	
23122.238	28.8	0	14.4	43.2	Avg	H	100	0	63.5	-20.3	Pass	
20505.24	28.4	0	13.9	42.3	Avg	V	100	0	63.5	-21.2	Pass	