

# TEST REPORT

**ACCORDING TO: FCC part 15 subpart E and RSS-210 Issue 8, Annex 9**

FOR:

**RADWIN Ltd.**

**Outdoor radio unit operating  
in the 5.3 GHz band**

**Model: RADWIN 1000,  
RADWIN 2000,  
RADWIN 5000**

This report is in conformity with ISO/ IEC 17025. The "A2LA Accredited" symbol endorsement applies only to the tests and calibrations that are listed in the scope of Hermon Laboratories accreditation. The test results relate only to the items tested. This test report shall not be reproduced in any form except in full with the written approval of Hermon Laboratories Ltd.



## Table of contents

1	Applicant information.....	3
2	Equipment under test attributes .....	3
3	Manufacturer information .....	3
4	Test details.....	3
5	Tests summary.....	4
6	EUT description.....	5
6.1	General information.....	5
6.2	Ports and lines .....	5
6.3	Support and test equipment .....	5
6.4	Changes made in the EUT .....	5
6.5	Test configuration.....	6
6.6	Transmitter characteristics .....	7
7	Transmitter tests according to 47CFR part 15 subpart E and RSS-210 Annex 9 requirements .....	8
7.1	Peak output power and peak spectral power density .....	8
7.2	Ratio of the peak excursion of the modulation envelope to the peak transmit power .....	155
7.3	Field strength of spurious emissions .....	180
7.4	Band edges spurious emission measurements .....	228
7.5	Frequency stability test.....	329
7.6	Antenna requirements .....	358
7.7	Conducted emissions .....	359
8	Tests according to RSS-Gen requirements .....	362
8.1	Occupied bandwidth.....	362
8.2	Receiver radiated spurious emission measurements .....	364
9	APPENDIX A Test equipment and ancillaries used for tests.....	372
10	APPENDIX B Measurement uncertainties.....	374
11	APPENDIX C Test laboratory description .....	375
12	APPENDIX D Specification references .....	375
13	APPENDIX E Test equipment correction factors.....	376
14	APPENDIX F Abbreviations and acronyms.....	392
15	APPENDIX G RADWIN 1000/2000 Antenna List and Power Settings .....	393
16	APPENDIX H RADWIN 5000 Antenna List and Power Settings .....	394



HERMON LABORATORIES

## 1 Applicant information

**Client name:** RADWIN Ltd.  
**Address:** 27 Habarzel str., Tel Aviv 69710, Israel  
**Telephone:** +972 3766 2988  
**Fax:** +972 3766 2902  
**E-mail:** shlomo\_weiss@radwin.com  
**Contact name:** Mr. Shlomo Weiss

## 2 Equipment under test attributes

**Product name:** Outdoor radio unit operating in 5.3 GHz band  
**Product type:** Point to Point and Point to Multipoint transceiver  
**Model(s):** RADWIN 1000, RADWIN 2000, RADWIN 5000  
**Receipt date** 12/08/2009

## 3 Manufacturer information

**Manufacturer name:** RADWIN Ltd.  
**Address:** 27 Habarzel str., Tel Aviv 69710, Israel  
**Telephone:** +972 3766 2988  
**Fax:** +972 3766 2902  
**E-Mail:** shlomo\_weiss@radwin.com  
**Contact name:** Mr. Shlomo Weiss

## 4 Test details

**Project ID:** 20222  
**Location:** Hermon Laboratories Ltd. P.O.Box 23, Binyamina 30500, Israel  
**Test started:** 12/08/2009  
**Test completed:** 12/30/2009  
**Test specification(s):** FCC part 15 subpart E;  
RSS-210 Issue 8:2010, Annex 9  
RSS-Gen Issue 3:2010



## 5 Tests summary

Test	Status
<b>Transmitter characteristics</b>	
FCC Section 15.407(a)(3) / RSS-Gen, Section 4.6, Occupied 26 dB bandwidth	Measured
FCC Section 15.407(a)(3) / RSS-210, Section A9.2, Maximum peak output power	Pass
FCC Section 15.407(a)(3) / RSS-210, Section A9.2, Peak power spectral density	Pass
FCC Section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power	Pass
FCC Section 15.407(b) / RSS-210, Section A9.2, Unwanted radiated emission	Pass
FCC Section 15.407(b) / RSS-210, Section A9.2, Unwanted conducted emission	Pass
FCC Section 15.407(b)(6), 15.207/ RSS-Gen, Section 7.2.4, Conducted emission	Pass
FCC Section 15.407(f), / RSS-Gen, Section 5.6, RF exposure	Provided in documentation for Application
FCC Section 15.407(g), Frequency stability	Pass
RSS-Gen, Section 6, 4.10, Receiver spurious radiated emission	Pass
RSS-Gen, Section 4.6.1, 99% emission occupied bandwidth	Measured
FCC section 15.203, RSS-Gen section 7.1.2, Antenna requirement	Pass

Note: The EUT model RADWIN 2000 with power setting that produced Maximum Output Power with maximum Antenna Gain 23.5 and 28 dBi was tested as the worst case between all RADWIN 1000,2000,5000 models. The more detailed description of RADWIN 1000,2000,5000 is provided in section 6.1 of the test report.

Testing was completed against all relevant requirements of the test standard. Results obtained indicate that the product under test complies in full with the requirements tested.  
The test results relate only to the items tested. Pass/ fail decision was based on nominal values.

This test report replaces the previously issued test report identified by Doc ID "RDWRAD\_FCC.20222\_21882".

	Name and Title	Date	Signature
<b>Tested by:</b>	Mr. S. Samokha, test engineer	December 30, 2009	
<b>Reviewed by:</b>	Ms. N. Averin, certification engineer	April 17, 2011	
<b>Approved by:</b>	Mr. M. Nikishin, EMC and Radio group manager	April 17, 2011	

## 6 EUT description

### 6.1 General information

The EUT, RADWIN 1000, RADWIN 2000, RADWIN 5000 is an outdoor unit (ODU). The power and Ethernet communication are supplied by an indoor unit (IDU) or PoE device. It has connectorized and integrated antenna configurations that can support dual pole antenna type. The RADWIN 1000 activates one RF port, RADWIN 2000 activates two RF ports for software configured Point to Point topology and RADWIN 5000 is identifier for software configured Point to Multipoint topology .For relevant output power setting versus each antenna type please refer to RADWIN 5000 Antenna List and Power Settings and RADWIN 1000/2000 Antenna List and Power Settings attached.

The EUT model RADWIN 2000 was tested as worst case representative.

### 6.2 Ports and lines

Port type	Port description	Conn. from	Conn. to	Qty.	Cable type	Cable length	Indoor / outdoor
Power	DC Power+ Ethernet	IDU	EUT	1	Shielded	20	Outdoor
RF1	RF1 (Antenna 1)	EUT	Antenna	1	Coax	1	Outdoor*
RF2	RF2 (Antenna 2)	EUT	Antenna	1	Coax	1	Outdoor*
Power	DC Power	AC/DC adaptor	IDU	1	Unshielded	1.5	Indoor
Power	AC Power	mains	AC/DC adaptor	1	Unshielded	1.5	Indoor
Signal	Ethernet	Laptop	IDU	1	Shielded	1	Indoor

\* - for external antenna configuration only

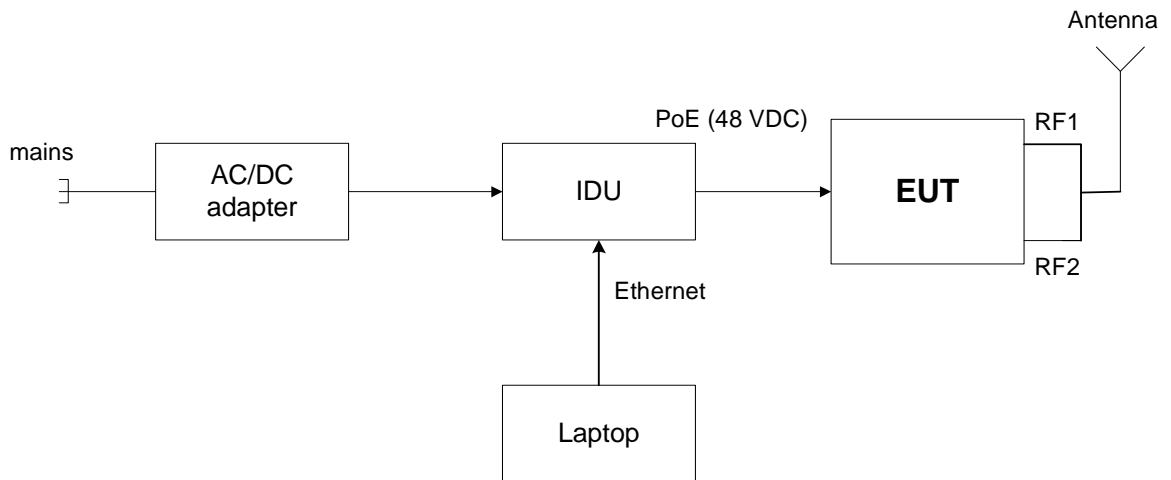
### 6.3 Support and test equipment

Description	Manufacturer	Model number	Serial number
Laptop	Dell	Latitude/D530	NA
IDU (for configuration with ODU)	RadWin Ltd.	IDU-E	DE000201267
AC/DC	YCL	WMB480042-5G	S0714002271

### 6.4 Changes made in the EUT

No changes were implemented.

## 6.5 Test configuration



## 6.6 Transmitter characteristics

<b>Type of equipment</b>			
X	Stand-alone (Equipment with or without its own control provisions)		
<b>Intended use</b>		<b>Condition of use</b>	
X	fixed	Always at a distance more than 2 m from all people	
<b>Assigned frequency range</b>		5250 - 5350 MHz	
<b>Operating frequency range</b>		5255 - 5345 MHz	
<b>Maximum rated output power</b>	<b>Peak (conducted)</b>		7.45 dBm with 22.5 dBi antenna 6.45 dBm with 23.5 dBi antenna 1.81 dBm with 28 dBi antenna 23.54 dBm with 6 dBi antenna 7.4 dBm with 14.5 dBi antenna 7.4 dBm with 13.0 dBi antenna
<b>Antenna connection</b>			
unique coupling	X	standard connector, N-type	integral
		X with temporary RF connector without temporary RF connector	
<b>Antenna/s technical characteristics</b>			
Type	Manufacturer	Model number	Antenna Assembly Gain
Flat Panel – Dual polarized external	RADWIN Ltd.	RW-9611-4958	6 dBi (23.5 dBi with 17.5 dB feeder loss)
Dish – Dual polarized External	RADWIN Ltd.	RW-9721-5158	6 dBi (28.9 dBi with 22.9 dB feeder loss)
Flat Panel – Dual polarized Integrated	RADWIN Ltd.	RW-9611-4958INT	23.5 dBi
Flat Panel – Dual polarized external	RADWIN Ltd.	RW-9611-4958	22.5 dBi (23.5 dBi with 1 dB feeder loss)
Dish – Dual polarized External	RADWIN Ltd.	RW-9721-5158	27.9 dBi (28.9 dBi with 1 dB feeder loss)
Flat Panel Dual Pole External	RADWIN Ltd.	RW-9061-5002	14.5 dBi (15.5 dBi with 1 dB feeder loss)
Flat Panel Dual Pole External	RADWIN Ltd.	RW-9061-5001	13.0 dBi (14.0 dBi with 1 dB feeder loss)
Flat Panel Dual Pole External	RADWIN Ltd.	RW-9061-5002	6 dBi (15.5 dBi with 9.5 dB feeder loss)
Flat Panel Dual Pole External	RADWIN Ltd.	RW-9061-5001	6 dBi (14.0 dBi with 8.0 dB feeder loss)
<b>Nominal channel bandwidth</b>	<b>Transmitter aggregate data rate/s, MBps</b>		<b>Type of modulation</b>
5 MHz	3.25		BPSK
	32.5		64QAM
10 MHz	6.5		BPSK
	65		64QAM
20 MHz	13		BPSK
	130		64QAM
40 MHz	27		BPSK
	270		64QAM
<b>Maximum transmitter duty cycle in normal use</b>	92%		
<b>Transmitter duty cycle supplied for test</b>	100%		

Table 6.6.1 Measurement frequencies according to RSS-210 Annex 9 requirements

Channel bandwidth, MHz	Channel frequency, MHz				
	Low band edge	Low in band	Mid	High in band	High band edge
5 (with 6 dBi antenna)	5255	5260	5300	5340	5345
5 (with 22.5 dBi and 28 dBi antennas)	5257.5	5260	5300	5340	5342.5
10	5260	5265	5300	5335	5340
20	5265	5275	5300	5325	5335
40	5275	5285	5300	5315	5325



<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b>			

## 7 Transmitter tests according to 47CFR part 15 subpart E and RSS-210 Annex 9 requirements

### 7.1 Peak output power and peak spectral power density

#### 7.1.1 General

This test was performed to measure the maximum peak output power and the peak spectral power density at the transmitter RF antenna connector. Specification test limits are given in Table 7.1.1.

Table 7.1.1 Peak output power and peak spectral power density limits

Assigned frequency range, MHz	Maximum peak transmit power*, dBm	Peak spectral power density*, dBm	Measurement bandwidth, MHz
5250 - 5350	The lesser of 250 mW or 11 dBm + 10 log B**	11.0	1.0

\*Note 1: due to 22.5 dBi antenna assembly gain the limits of peak output power and peak power spectral density shall be reduced by 16.5 dB, due to 28 dBi antenna assembly gain the limits of peak output power and peak power spectral density shall be reduced by 22 dB;

\*\*Note 2: "B" is the 26-dB emission bandwidth in MHz.

#### 7.1.2 Test procedure

7.1.2.1 The EUT was set up as shown in Figure 7.1.1, energized and its proper operation was checked.

7.1.2.2 The EUT was set to transmit modulated carrier at maximum data rate.

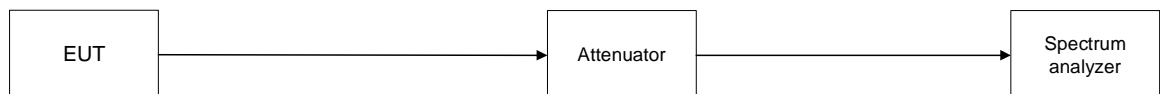
7.1.2.3 The measurements were performed in continuous transmission mode of operation for carrier (channel) frequencies at low and high edges and at the middle of the frequency range shown in Table 7.1.1. The transmitter 26 dB bandwidth was measured with spectrum analyzer as frequency delta between reference points on modulation envelope and provided in the associated tables and plots.

7.1.2.4 The EUT was adjusted to produce maximum available for end user RF output power.

7.1.2.5 The peak output power measurements were performed in continuous transmission mode of operation for carrier (channel) frequency at low, mid and high edges with a sample detector. The power was computed by integrating the spectrum across the 26 dB bandwidth of the signal as provided in the associated tables and plots.

7.1.2.6 The peak power spectral density was measured using a sample detector and power averaging mode to find the highest level across the emission in any 1-MHz band after 100 sweeps of averaging. The test results are provided in the associated tables and plots.

Figure 7.1.1 Peak output power test setup







<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

**Table 7.1.2 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 22.5dBi  
 EMISSION BANDWIDTH 40 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5275.0	43.800	27	BPSK	-1.95	1.05	7.50	-6.45	Pass
5275.0	45.200	270	64QAM	-1.98	1.02	7.50	-6.48	Pass
<b>Low channel In-Band</b>								
5285.0	47.550	27	BPSK	4.45	7.45	7.50	-0.05	Pass
5285.0	47.700	270	64QAM	4.21	7.21	7.50	-0.29	Pass
<b>Mid channel</b>								
5300.0	48.300	27	BPSK	3.65	6.65	7.50	-0.85	Pass
5300.0	47.400	270	64QAM	4.23	7.23	7.50	-0.27	Pass
<b>High channel In-Band</b>								
5315.0	47.700	27	BPSK	4.23	7.23	7.50	-0.27	Pass
5315.0	47.700	270	64QAM	4.38	7.38	7.50	-0.12	Pass
<b>High channel Band Edge</b>								
5325.0	43.900	27	BPSK	-1.71	1.29	7.50	-6.21	Pass
5325.0	44.700	270	64QAM	-1.47	1.53	7.50	-5.97	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.  
 \*\* - Margin = Total output power – specification limit.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b> <b>PASS</b>	
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Table 7.1.3 Conducted output power test results

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 22.5 dBi  
 EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5265	23.350	13	BPSK	-2.62	0.38	7.50	-7.12	Pass
5265	23.100	130	64QAM	-2.32	0.68	7.50	-6.82	Pass
<b>High channel Band Edge</b>								
5335	23.400	13	BPSK	-1.21	1.79	7.50	-5.71	Pass
5335	23.100	130	64QAM	-1.72	1.28	7.50	-6.22	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.

Table 7.1.4 Conducted output power test results

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 22.5 dBi  
 EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5260	12.730	6.5	BPSK	-1.20	1.80	5.55	-3.75	Pass
5260	12.730	65	64QAM	-1.05	1.95	5.55	-3.60	Pass
<b>High channel Band Edge</b>								
5340	12.970	6.5	BPSK	0.96	3.96	5.63	-1.67	Pass
5340	12.330	65	64QAM	0.97	3.97	5.41	-1.44	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.



HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

**Table 7.1.5 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5257.5-5342.5 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 22.5 dBi  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5257.5	7.225	3.25	BPSK	-0.89	2.11	3.09	-0.98	Pass
5257.5	6.900	32.5	64QAM	-1.39	1.61	2.89	-1.28	Pass
<b>High channel Band Edge</b>								
5342.5	7.000	3.25	BPSK	-0.34	2.66	2.95	-0.29	Pass
5342.5	7.125	32.5	64QAM	-0.34	2.66	3.03	-0.37	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437				
---------	---------	---------	---------	--	--	--	--

Full description is given in Appendix A.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

**Table 7.1.6 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 22.5dBi  
 EMISSION BANDWIDTH: 40 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5275.0	27	BPSK	-22.63	-19.63	-5.50	-14.13	Pass
5275.0	270	64QAM	-22.41	-19.41	-5.50	-13.91	Pass
<b>Low channel In-Band</b>							
5285.0	27	BPSK	-15.53	-12.53	-5.50	-7.03	Pass
5285.0	270	64QAM	-15.73	-12.73	-5.50	-7.23	Pass
<b>Mid channel</b>							
5300.0	27	BPSK	-15.65	-12.65	-5.50	-7.15	Pass
5300.0	270	64QAM	-15.35	-12.35	-5.50	-6.85	Pass
<b>High channel In-Band</b>							
5315.0	27	BPSK	-15.60	-12.60	-5.50	-7.10	Pass
5315.0	270	64QAM	-14.08	-11.08	-5.50	-5.58	Pass
<b>High channel Band Edge</b>							
5325.0	27	BPSK	-21.66	-18.66	-5.50	-13.16	Pass
5325.0	270	64QAM	-21.18	-18.18	-5.50	-12.68	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.  
 \*\* - Margin = Total peak power density – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437				
---------	---------	---------	---------	--	--	--	--

Full description is given in Appendix A.



<b>Test specification:</b>	<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

**Table 7.1.7 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 22.5dBi  
 EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5265	13	BPSK	-20.92	-17.92	-5.50	-12.42	Pass
5265	130	64QAM	-20.43	-17.43	-5.50	-11.93	Pass
<b>High channel Band Edge</b>							
5335	13	BPSK	-19.19	-16.19	-5.50	-10.69	Pass
5335	130	64QAM	-19.32	-16.32	-5.50	-10.82	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.

**Table 7.1.8 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 22.5dBi  
 EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5260	6.5	BPSK	-15.08	-12.08	-5.50	-6.58	Pass
5260	65	64QAM	-15.51	-12.51	-5.50	-7.01	Pass
<b>High channel Band Edge</b>							
5340	6.5	BPSK	-13.70	-10.70	-5.50	-5.20	Pass
5340	65	64QAM	-14.37	-11.37	-5.50	-5.87	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.



<b>Test specification:</b>	<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

**Table 7.1.9 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5257.5-5342.5 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 22.5dBi  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5257.5	3.25	BPSK	-13.23	-10.23	-5.50	-4.73	Pass
5257.5	32.5	64QAM	-13.53	-10.53	-5.50	-5.03	Pass
<b>High channel Band Edge</b>							
5342.5	3.25	BPSK	-11.53	-8.53	-5.50	-3.03	Pass
5342.5	32.5	64QAM	-11.97	-8.97	-5.50	-3.47	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437				
---------	---------	---------	---------	--	--	--	--

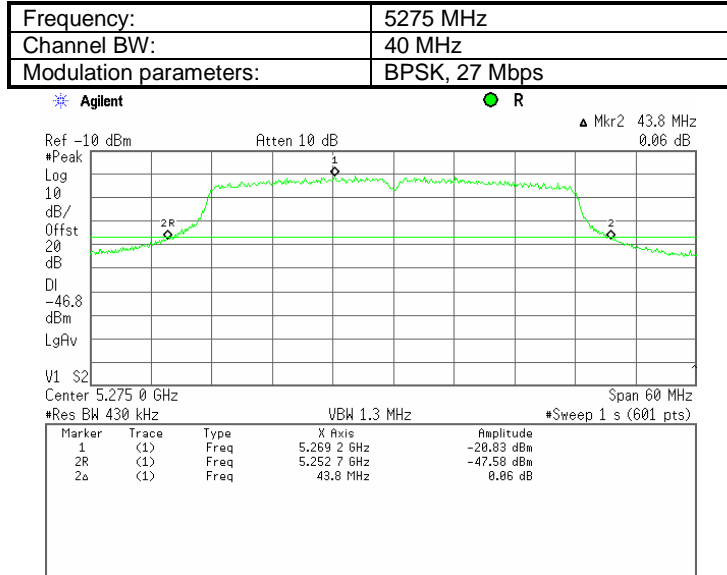
Full description is given in Appendix A.



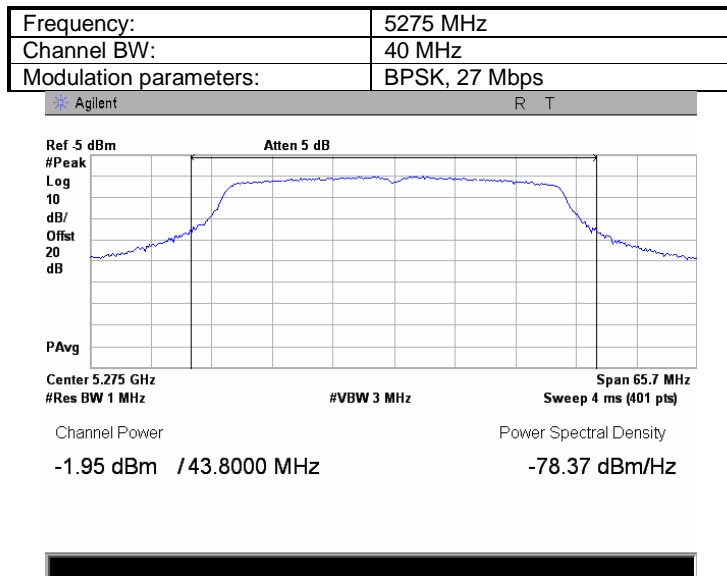
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.1 The 26 dB emission bandwidth



Plot 7.1.2 Peak output power

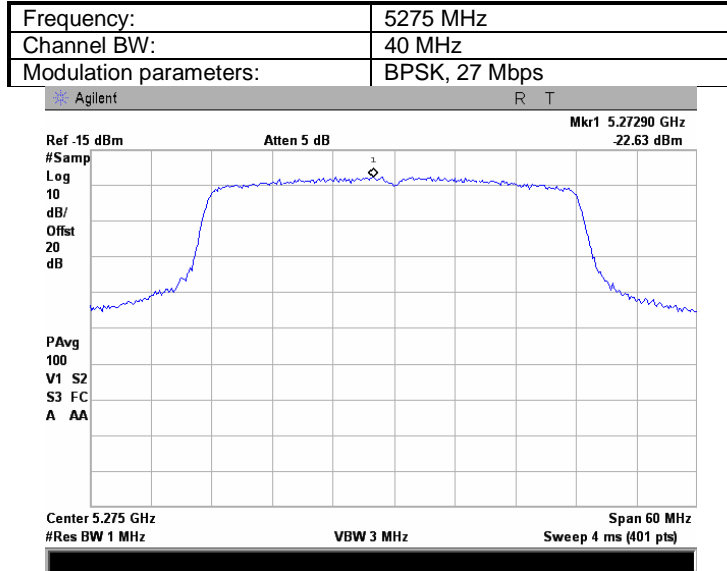




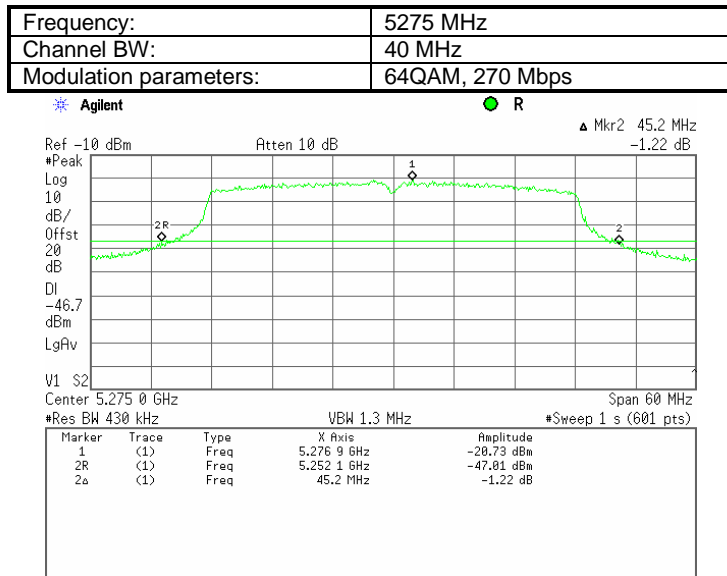
HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.3 Peak spectral power density



Plot 7.1.4 The 26 dB emission bandwidth





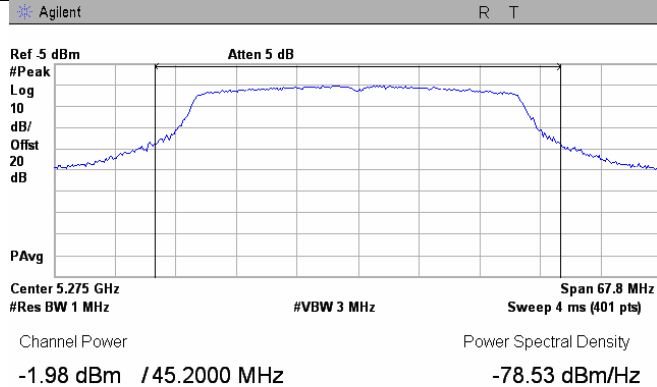


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

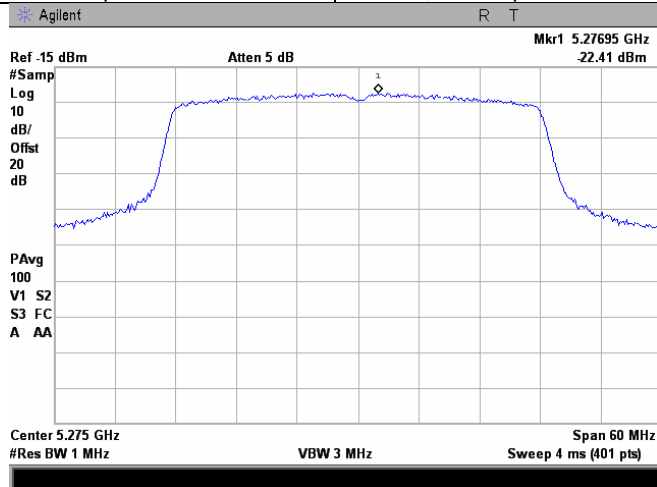
Plot 7.1.5 Peak output power

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.6 Peak spectral power density

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

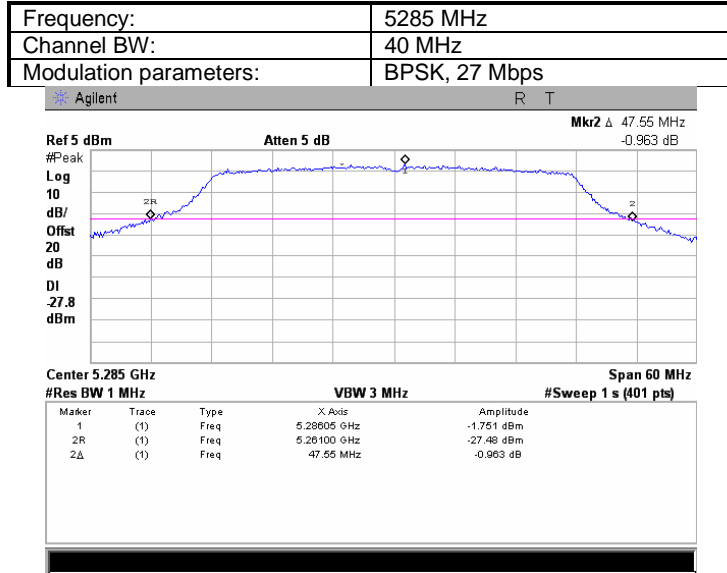




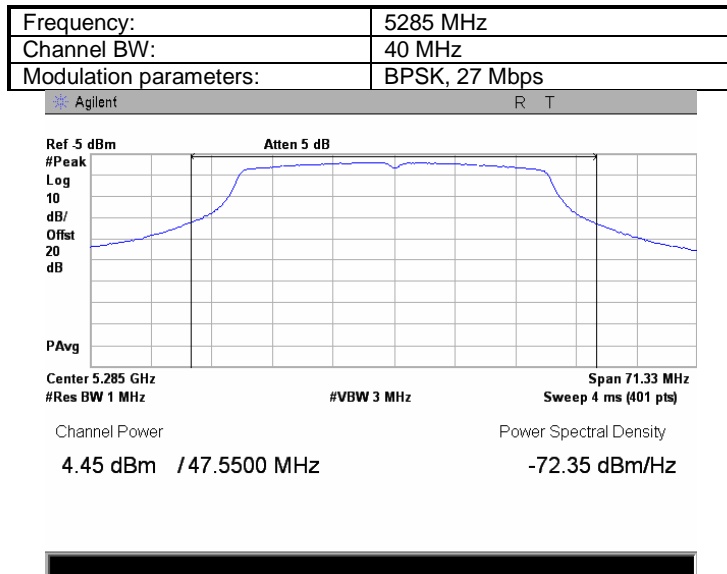
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.7 The 26 dB emission bandwidth



Plot 7.1.8 Peak output power

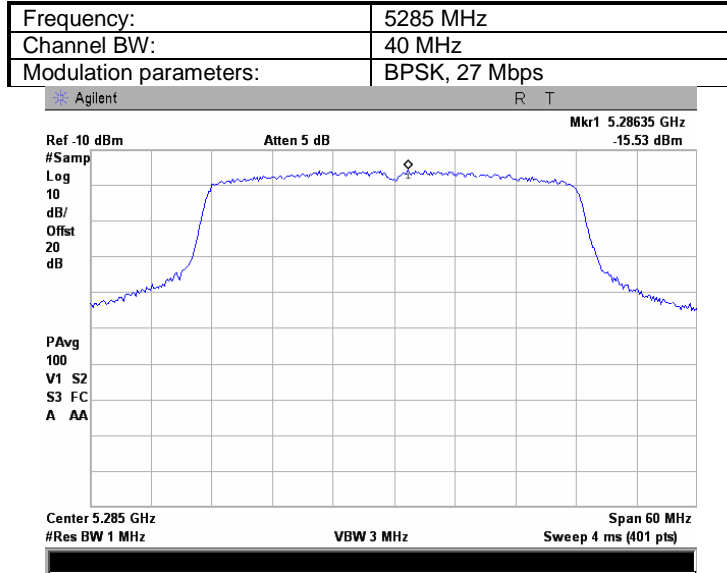




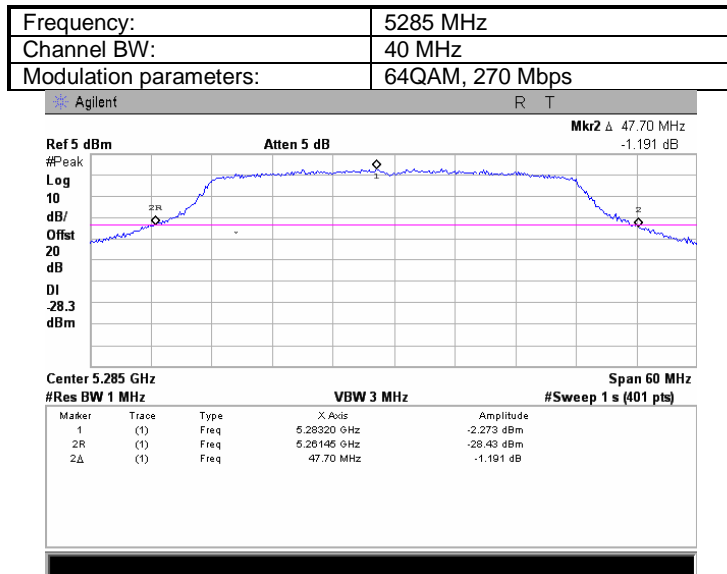
HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.9 Peak spectral power density



Plot 7.1.10 The 26 dB emission bandwidth

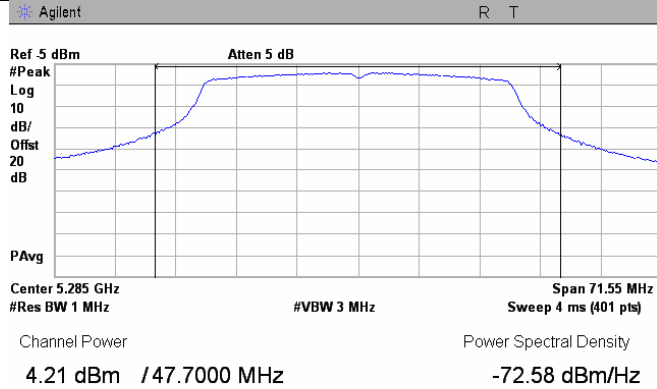




<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

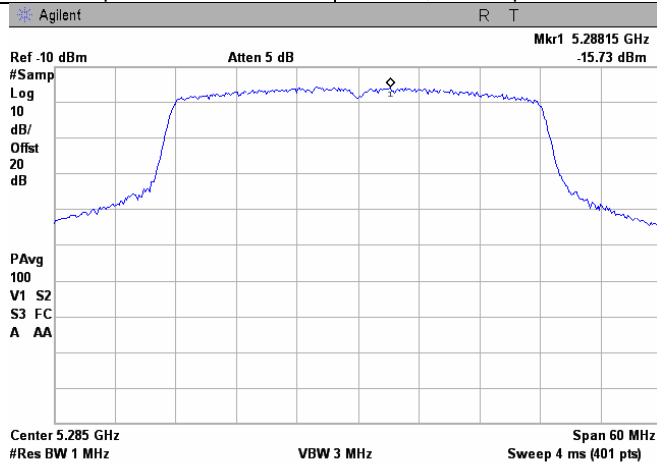
Plot 7.1.11 Peak output power

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.12 Peak spectral power density

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

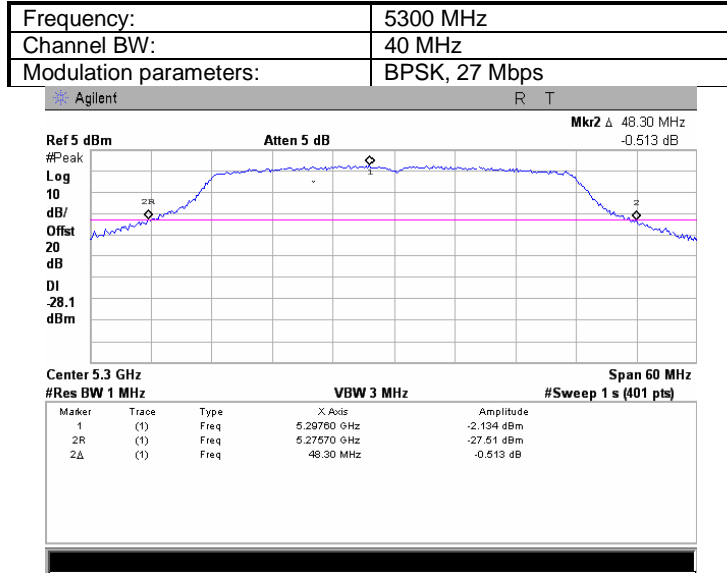




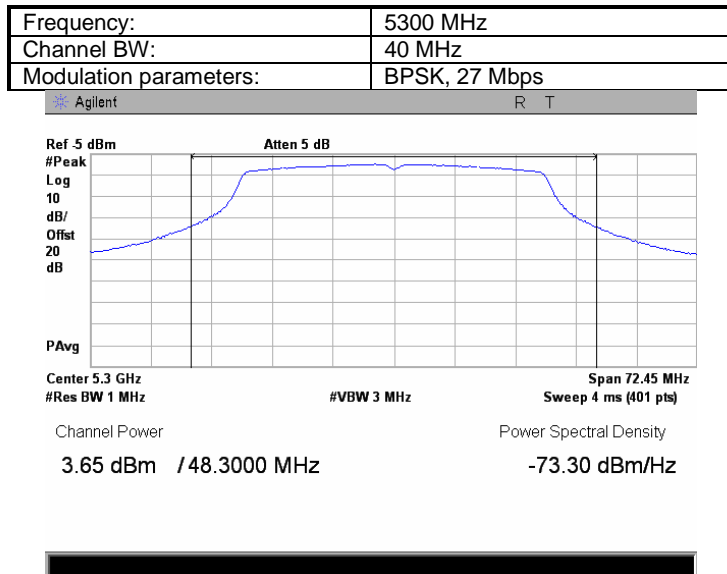
HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.13 The 26 dB emission bandwidth



Plot 7.1.14 Peak output power



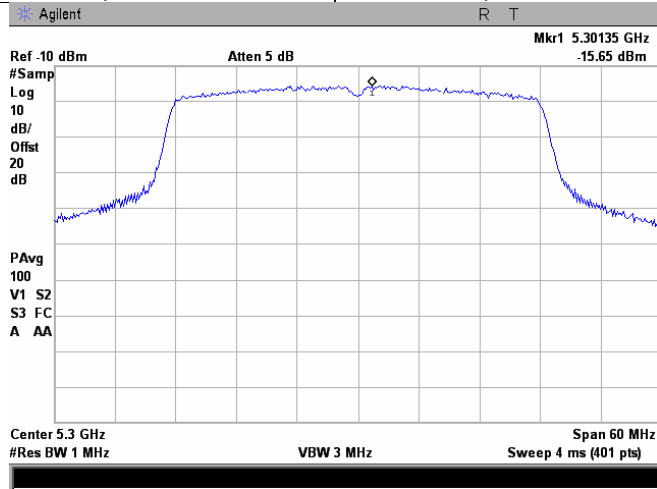


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

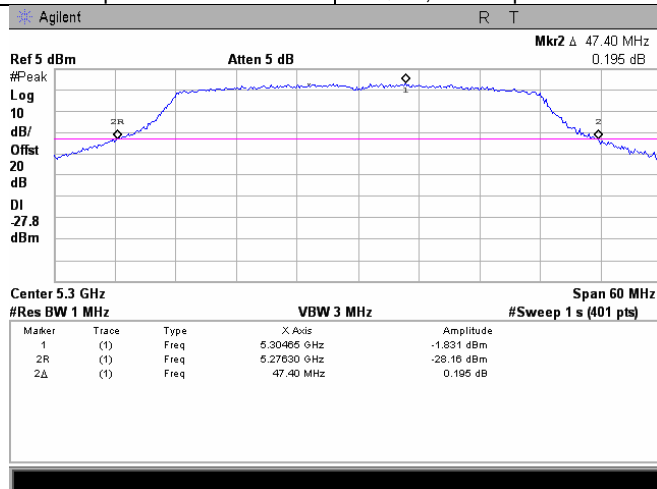
Plot 7.1.15 Peak spectral power density

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.16 The 26 dB emission bandwidth

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

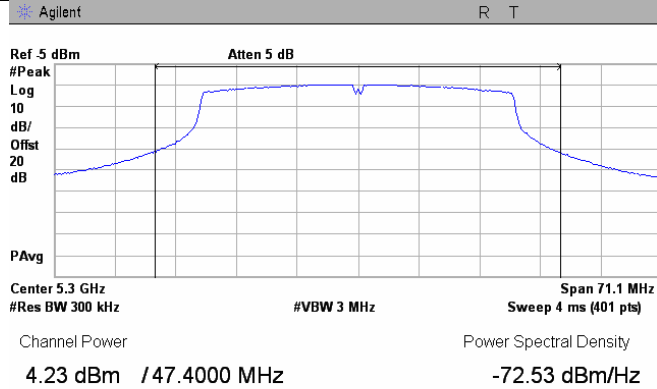




<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

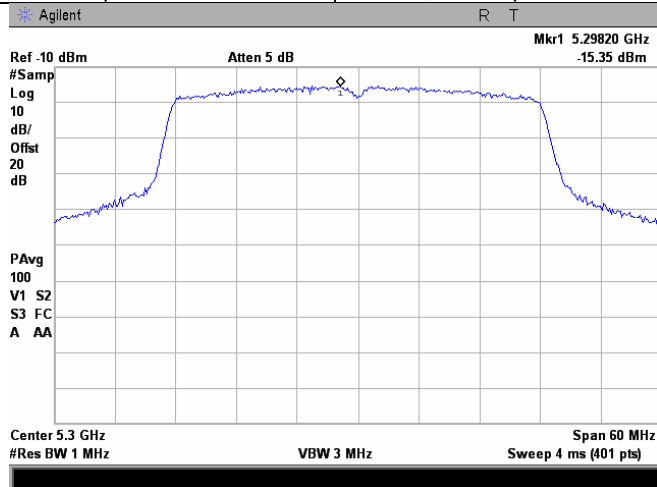
Plot 7.1.17 Peak output power

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.18 Peak spectral power density

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

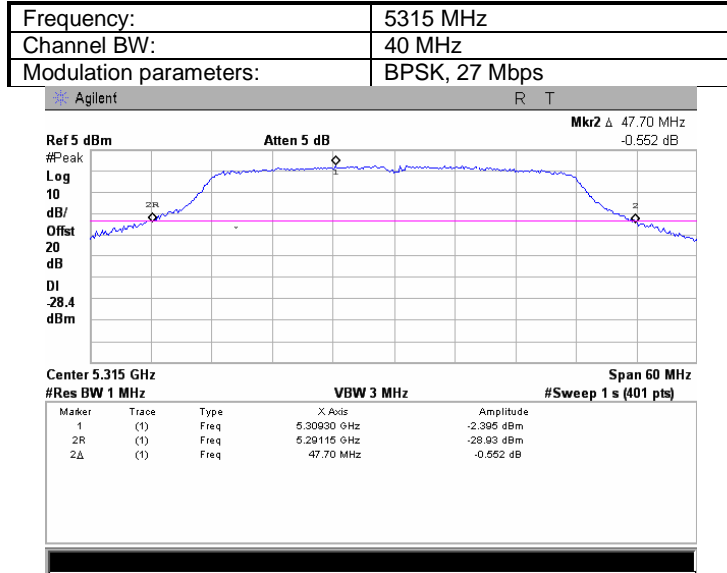




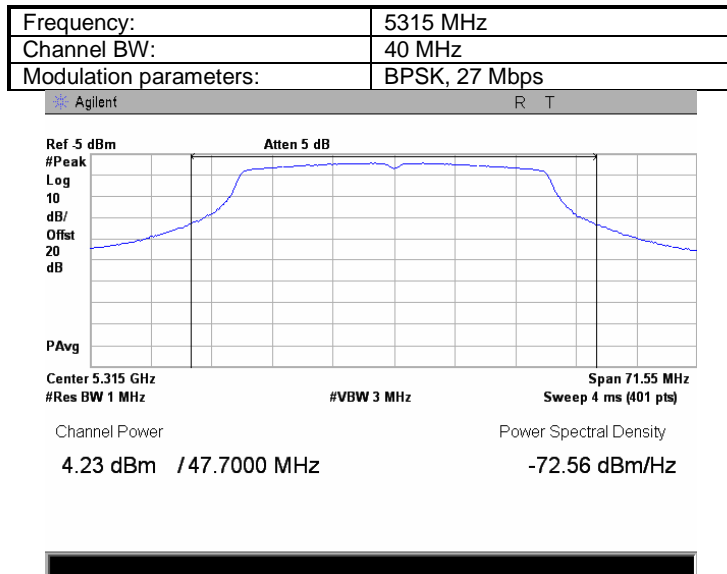
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.19 The 26 dB emission bandwidth



Plot 7.1.20 Peak output power





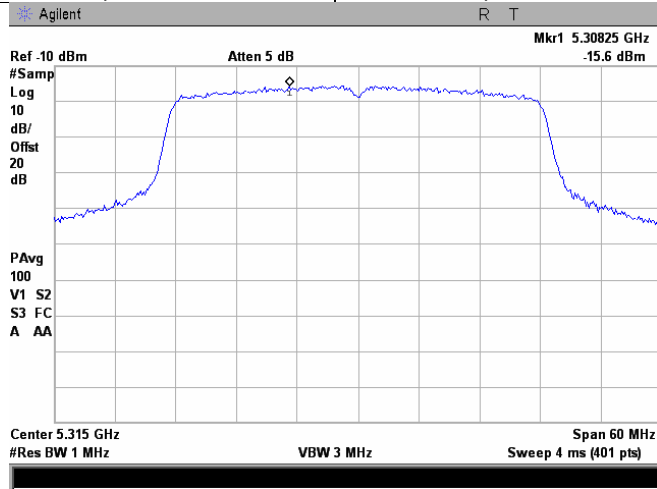


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

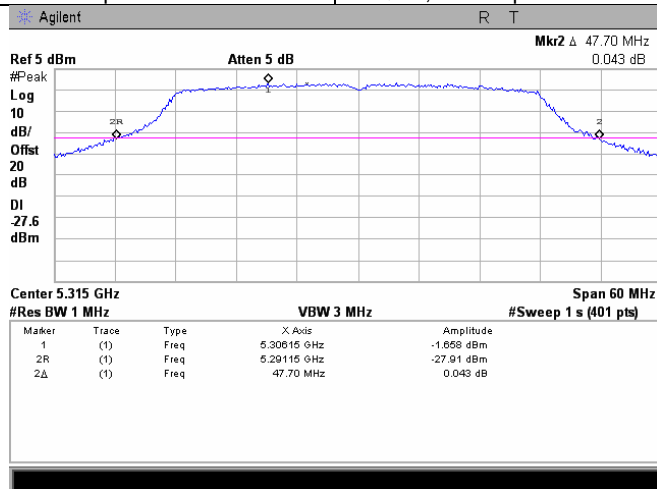
Plot 7.1.21 Peak spectral power density

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.22 The 26 dB emission bandwidth

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

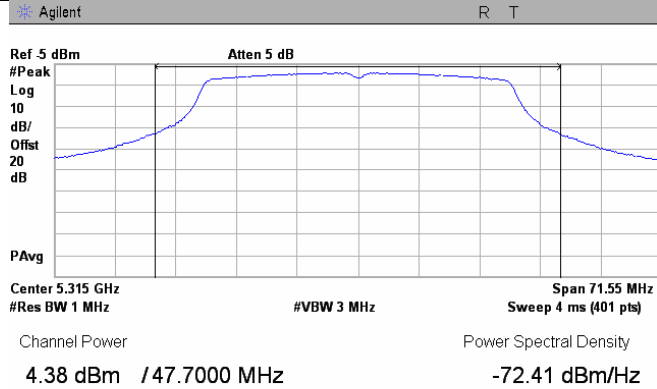




<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

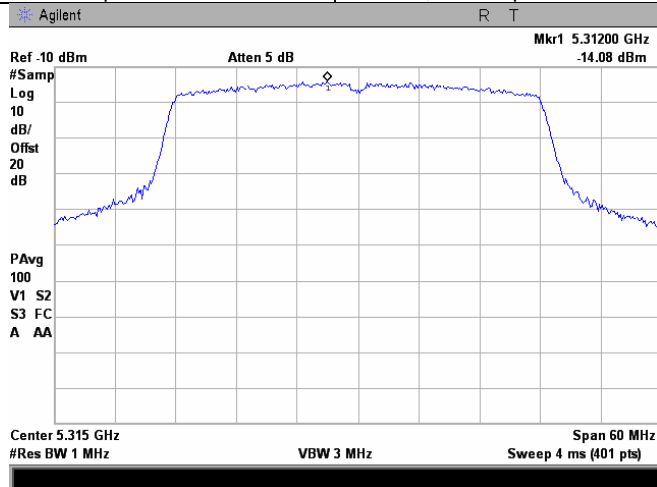
Plot 7.1.23 Peak output power

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.24 Peak spectral power density

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

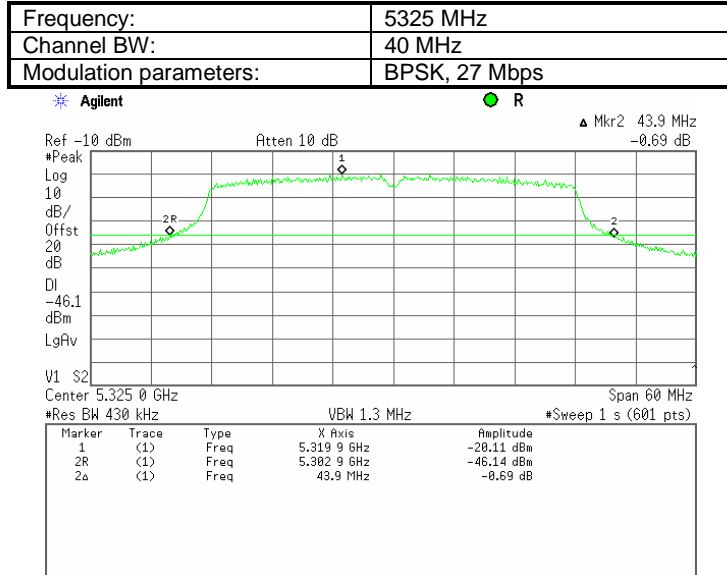




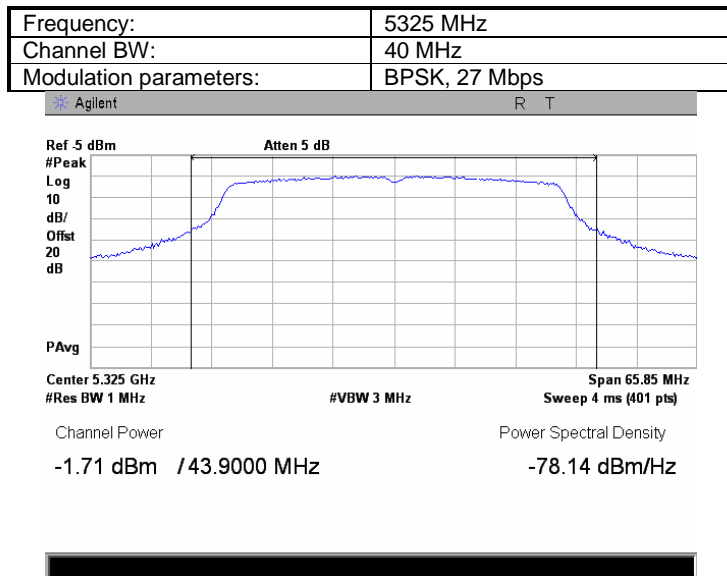
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.25 The 26 dB emission bandwidth



Plot 7.1.26 Peak output power



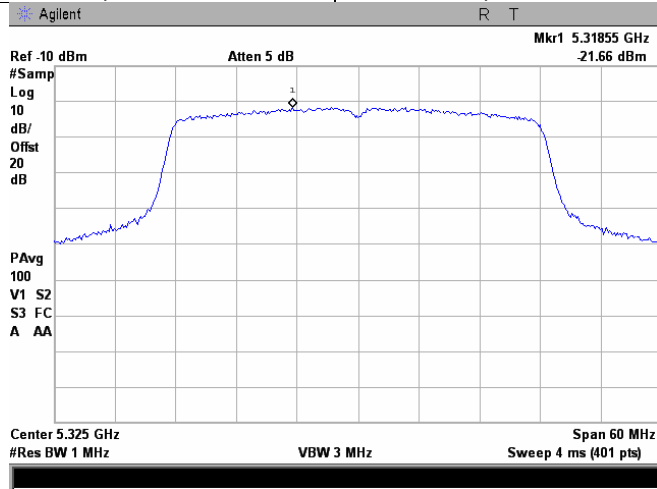


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

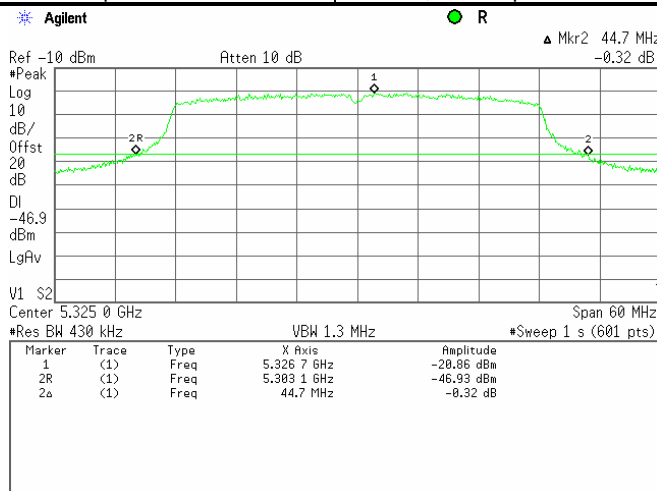
Plot 7.1.27 Peak spectral power density

<b>Frequency:</b>	5325 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps



Plot 7.1.28 The 26 dB emission bandwidth

<b>Frequency:</b>	5325 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	64QAM, 270 Mbps



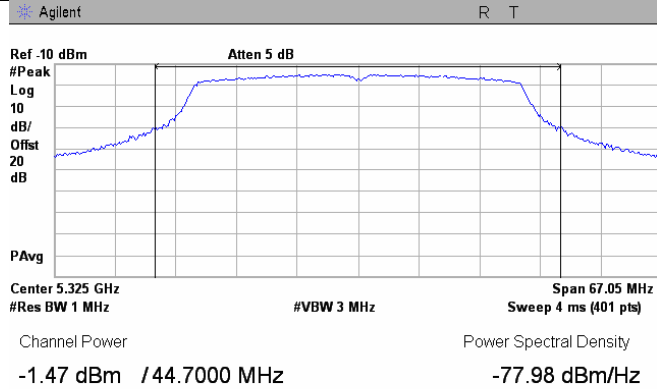


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

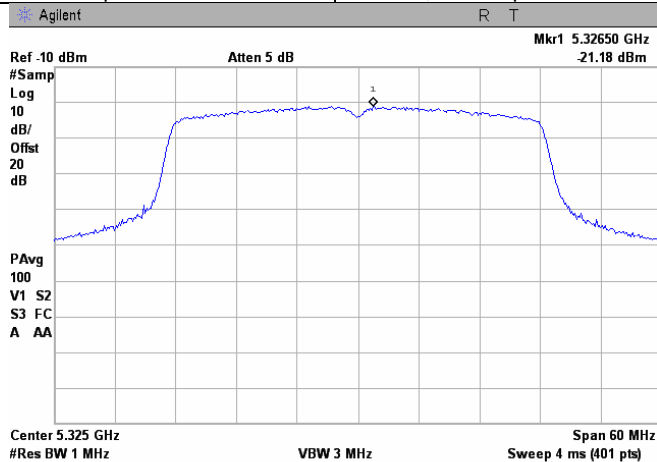
Plot 7.1.29 Peak output power

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.30 Peak spectral power density

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps

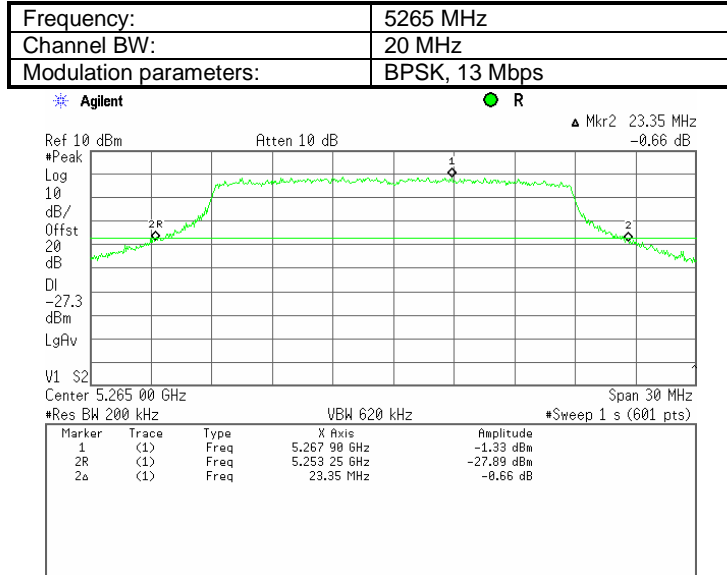




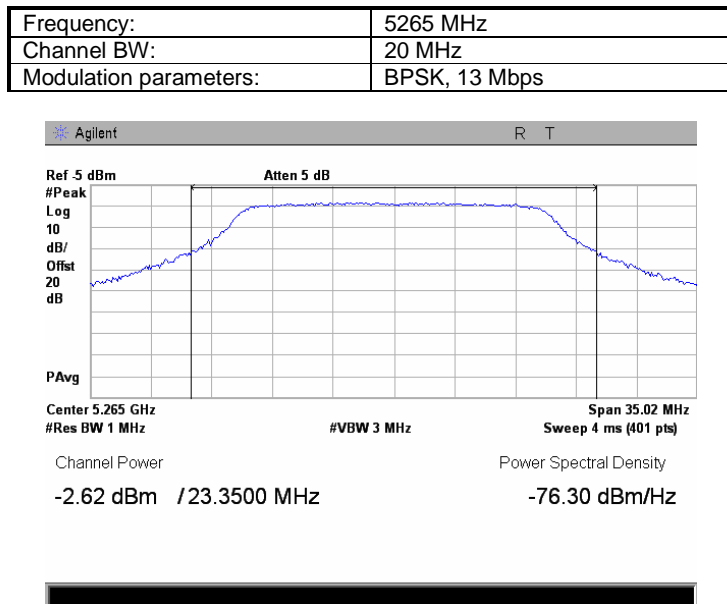
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.31 The 26 dB emission bandwidth



Plot 7.1.32 Peak output power



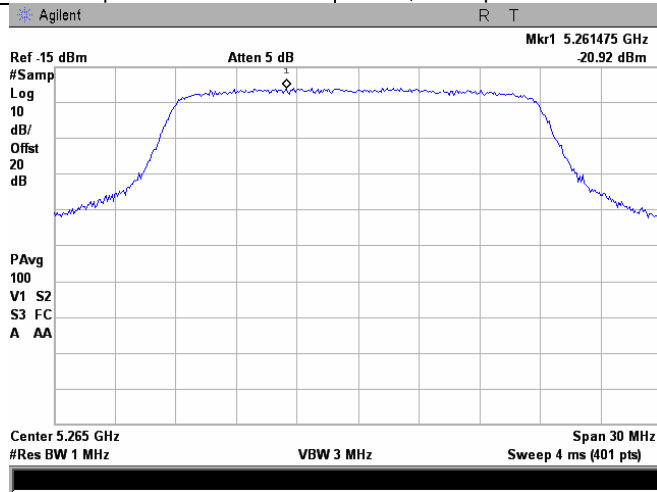


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

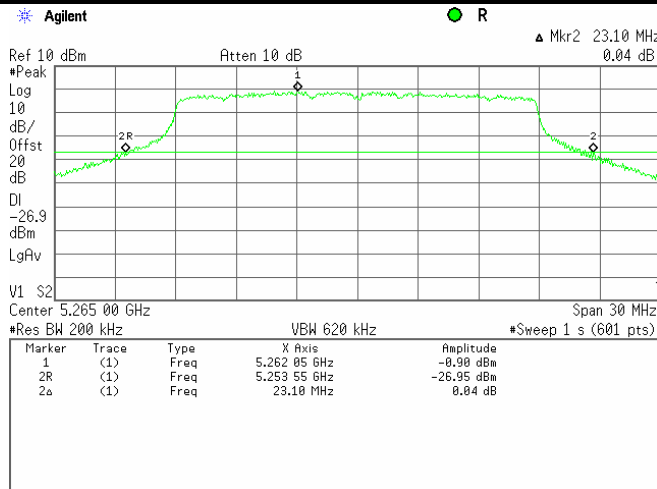
Plot 7.1.33 Peak spectral power density

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



Plot 7.1.34 The 26 dB emission bandwidth

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps



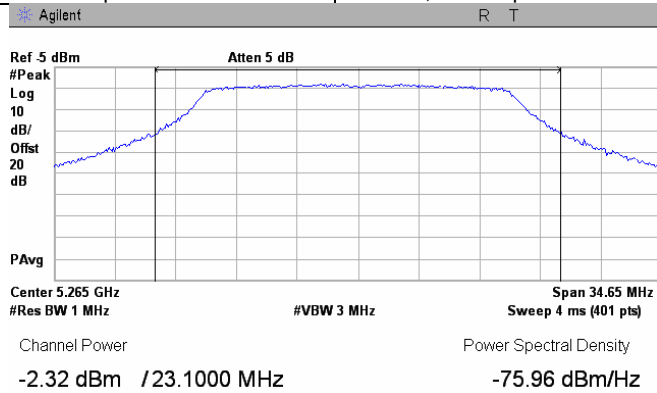


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

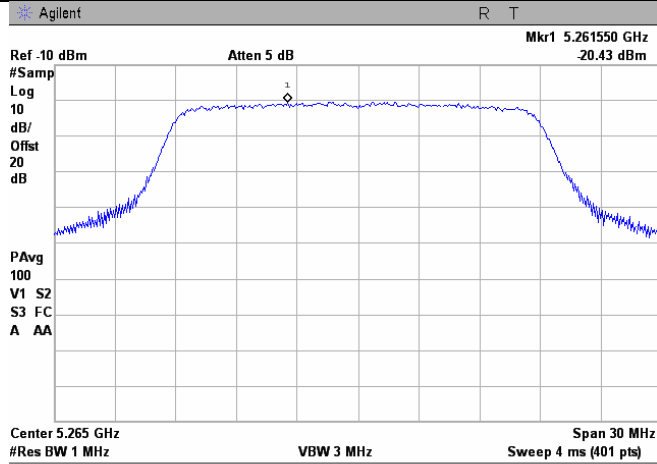
Plot 7.1.35 Peak output power

Frequency:	5265 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



Plot 7.1.36 Peak spectral power density

Frequency:	5265 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



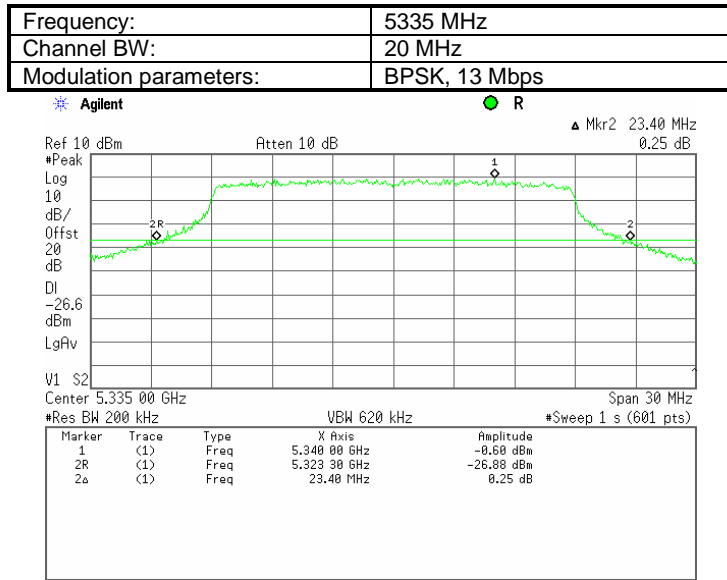




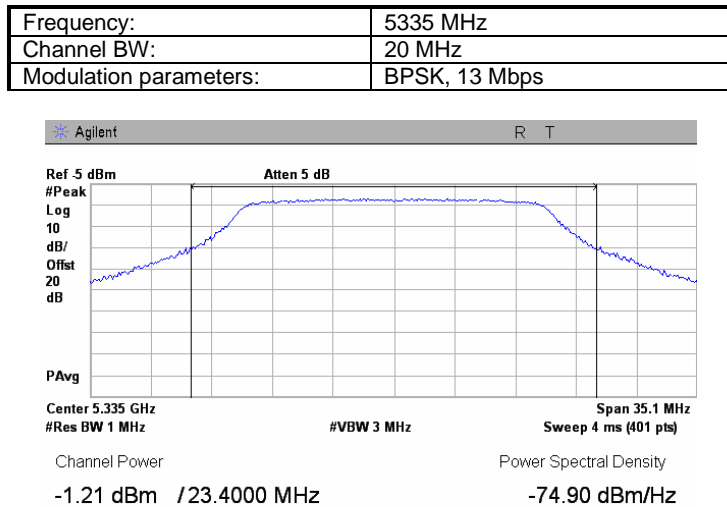
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.37 The 26 dB emission bandwidth



Plot 7.1.38 Peak output power

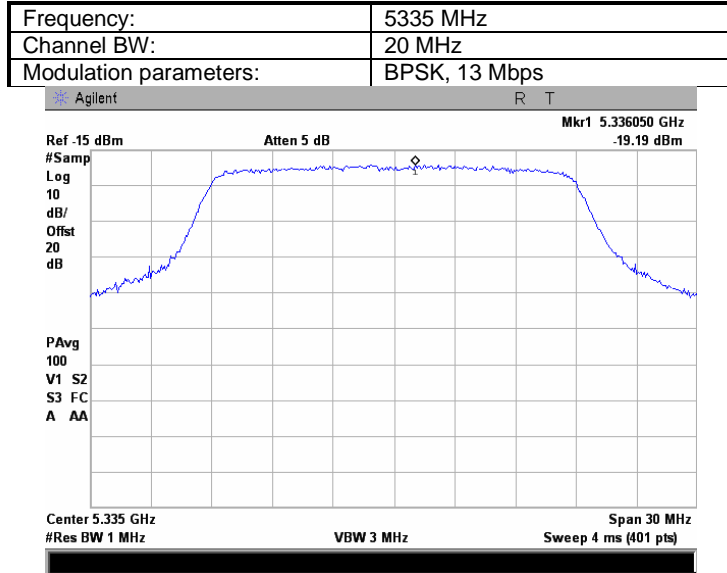




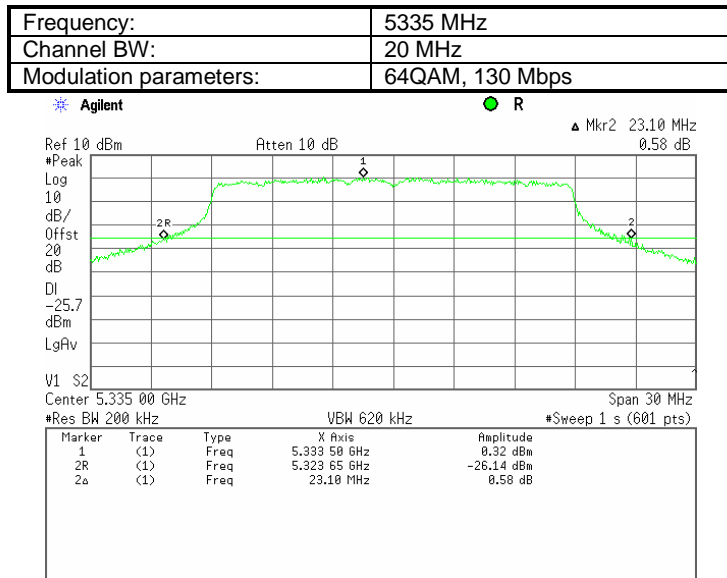
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.39 Peak spectral power density



Plot 7.1.40 The 26 dB emission bandwidth



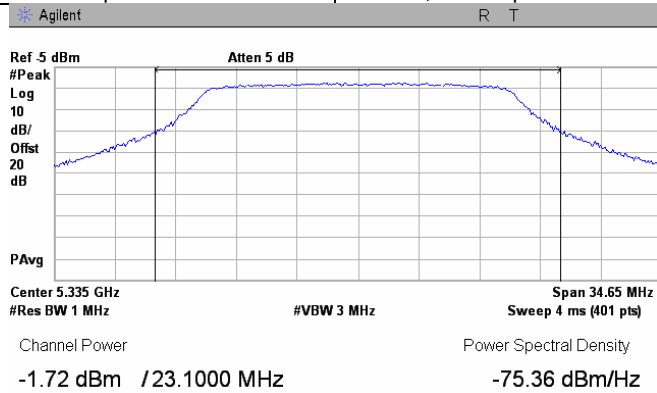


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

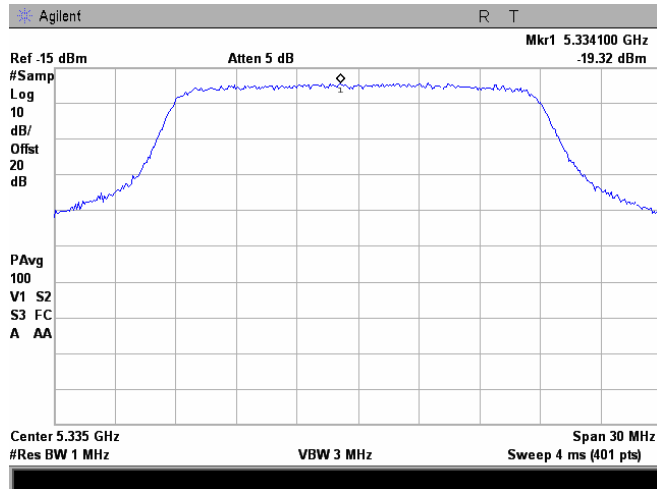
Plot 7.1.41 Peak output power

Frequency:	5335 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



Plot 7.1.42 Peak spectral power density

Frequency:	5335 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps

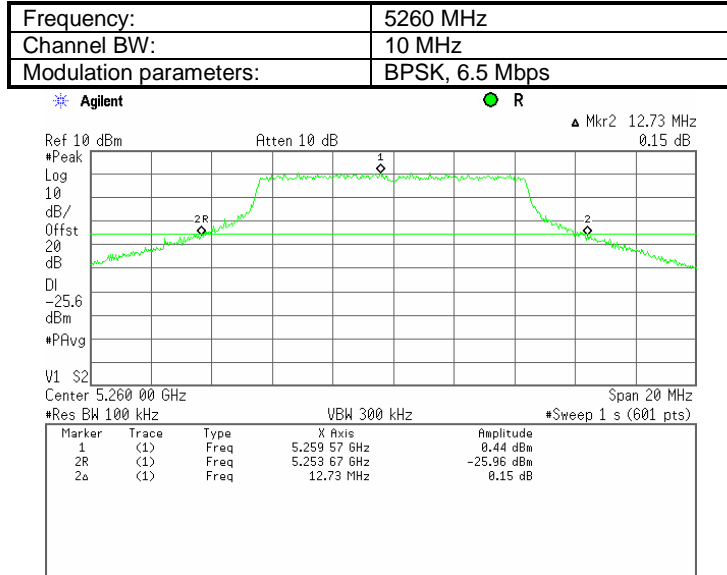




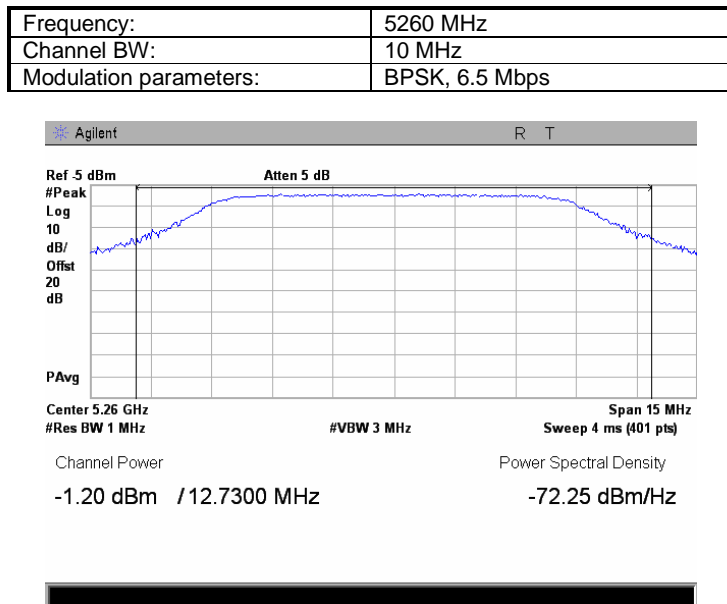
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.43 The 26 dB emission bandwidth



Plot 7.1.44 Peak output power

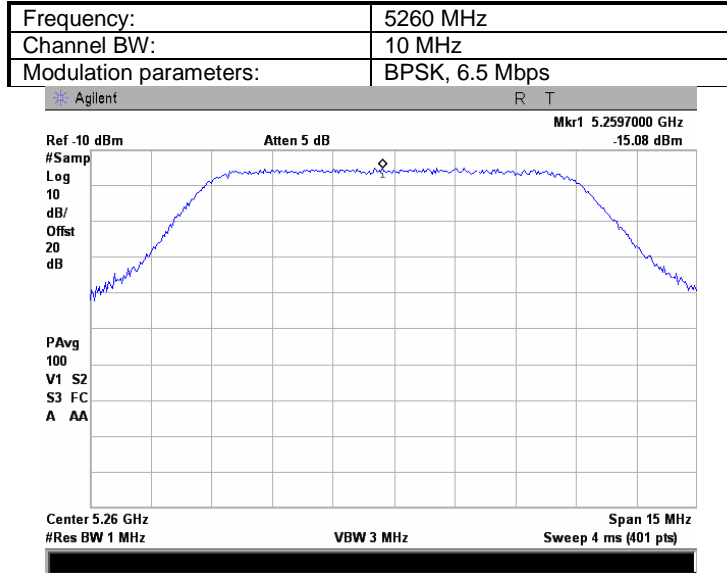




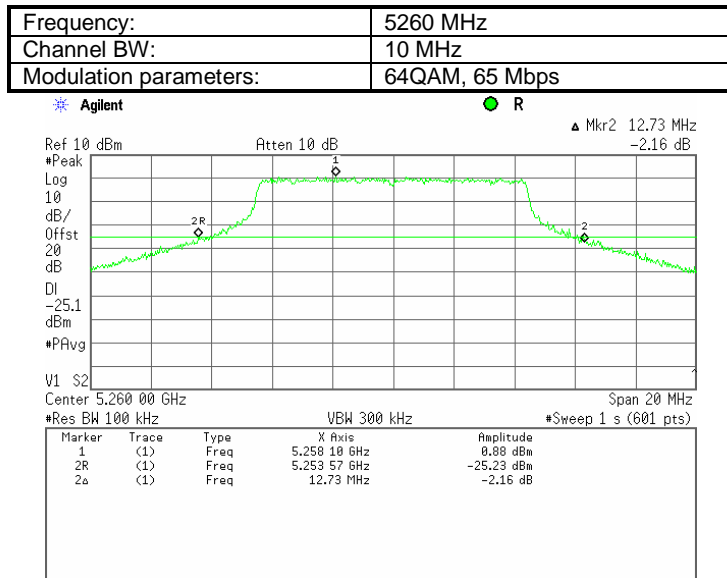
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.45 Peak spectral power density



Plot 7.1.46 The 26 dB emission bandwidth



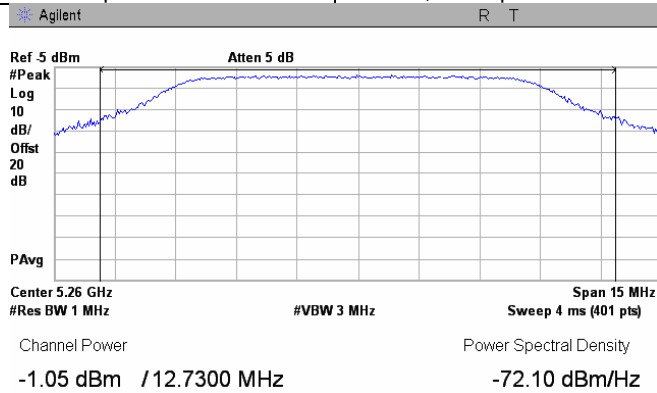


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

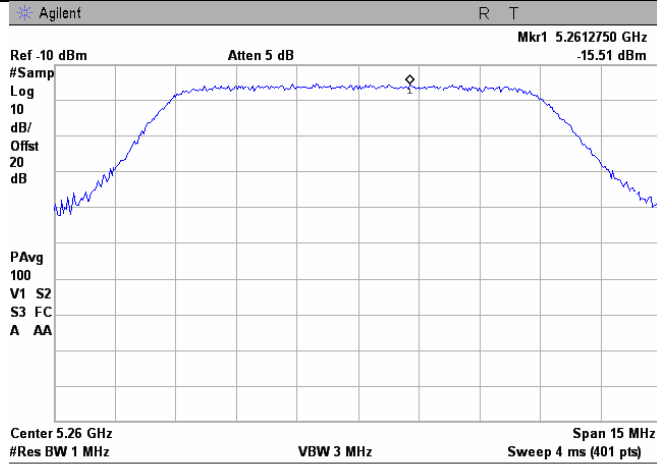
Plot 7.1.47 Peak output power

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.48 Peak spectral power density

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps

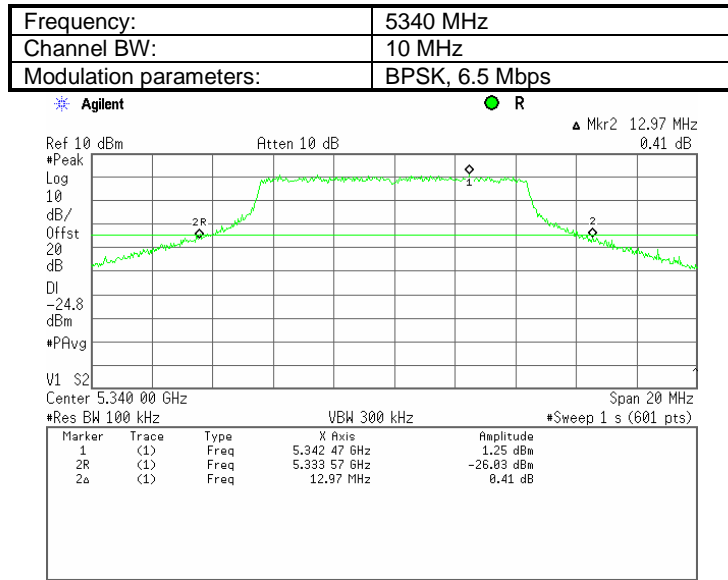




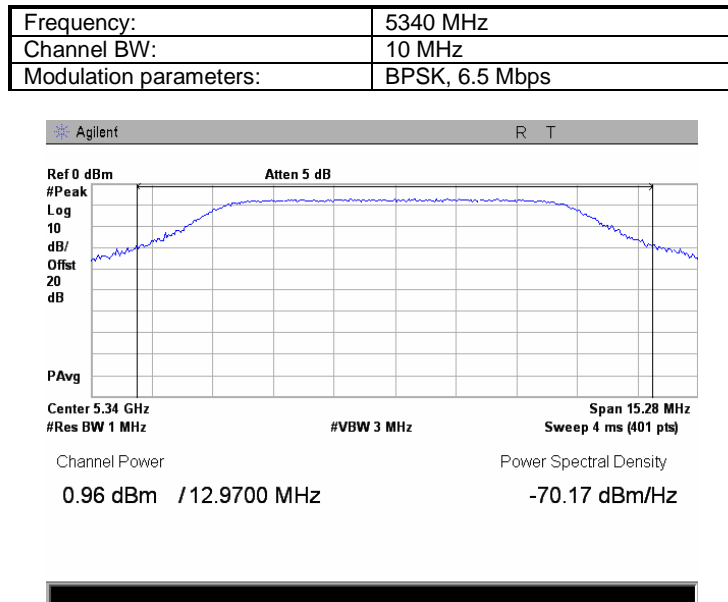
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.49 The 26 dB emission bandwidth



Plot 7.1.50 Peak output power

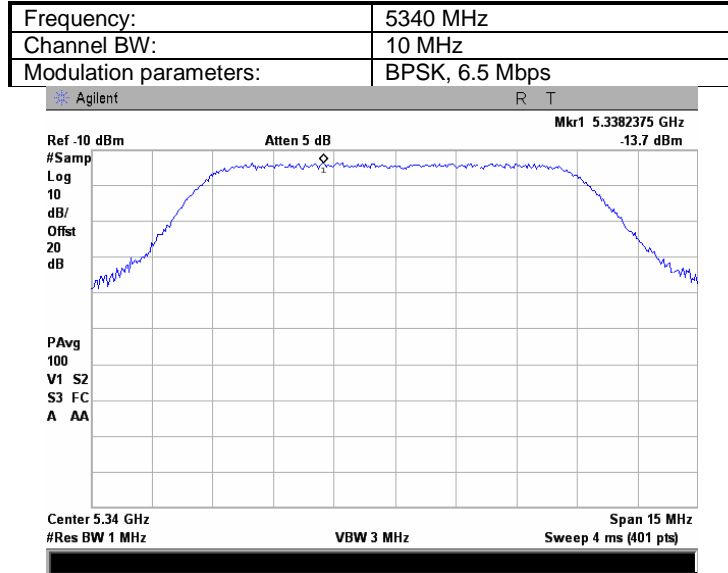




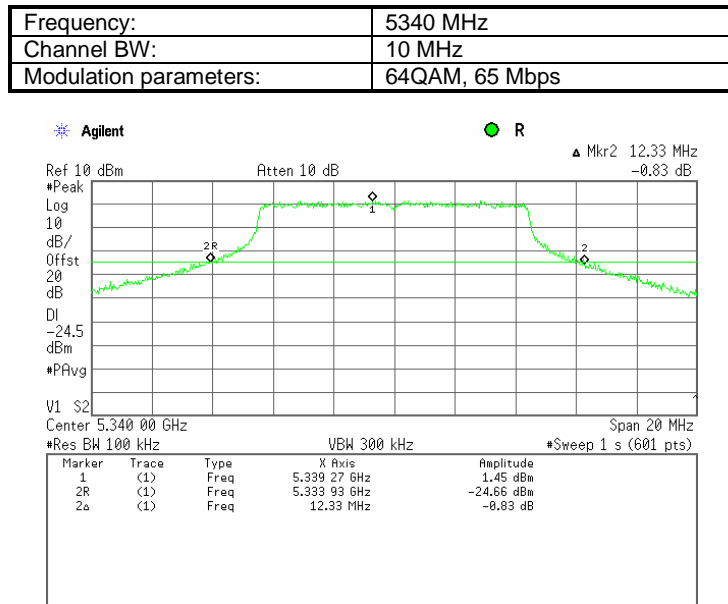
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.51 Peak spectral power density



Plot 7.1.52 The 26 dB emission bandwidth





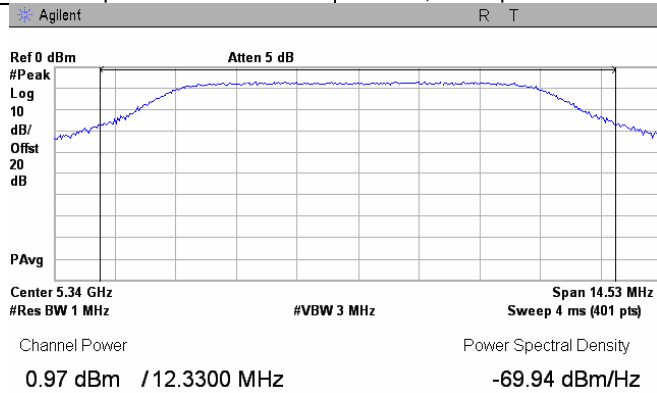


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2	
		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

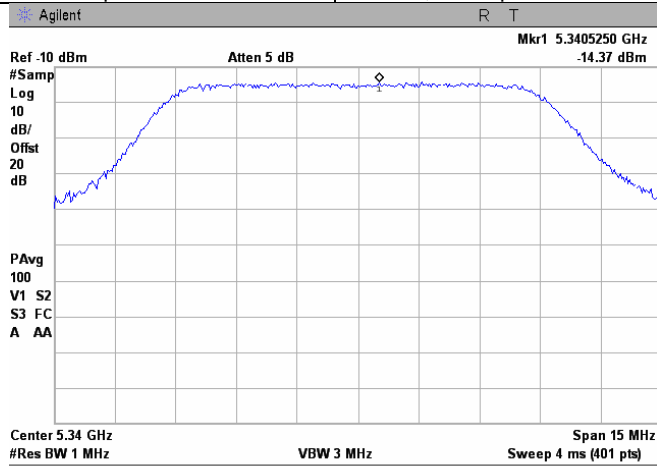
Plot 7.1.53 Peak output power

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.54 Peak spectral power density

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps

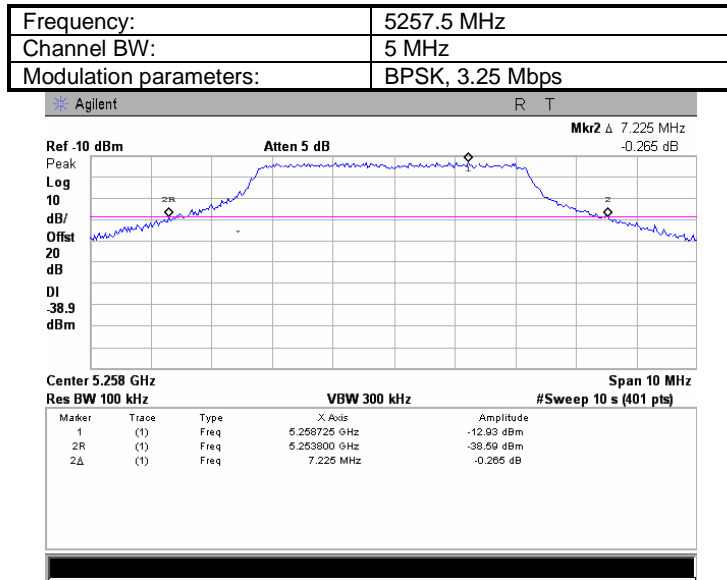




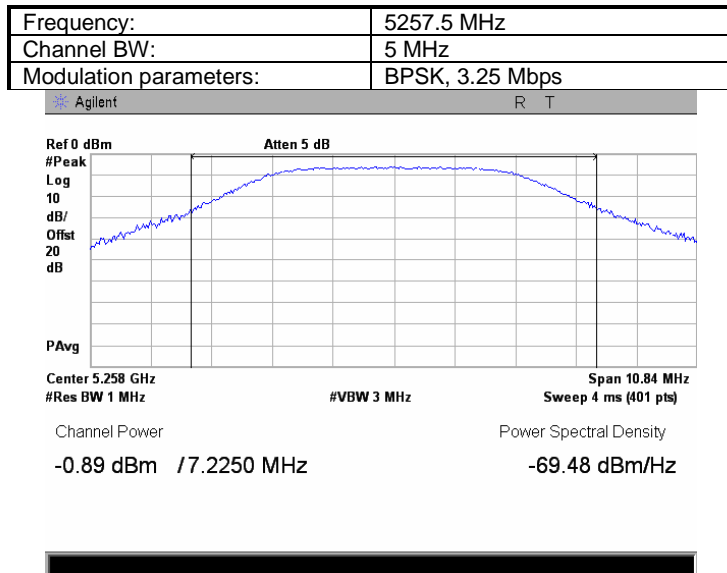
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.55 The 26 dB emission bandwidth



Plot 7.1.56 Peak output power

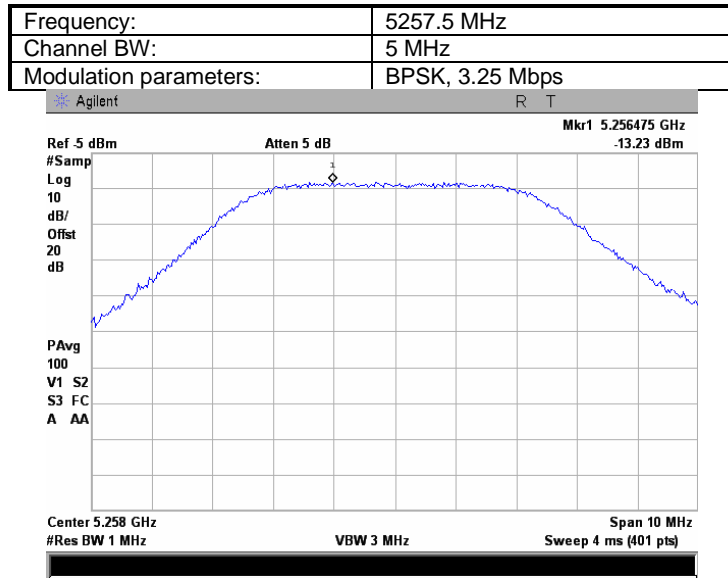




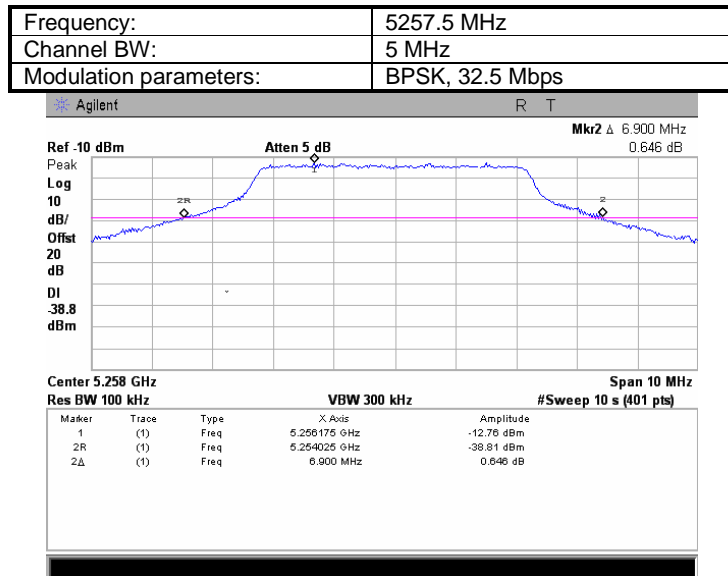
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.57 Peak spectral power density



Plot 7.1.58 The 26 dB emission bandwidth



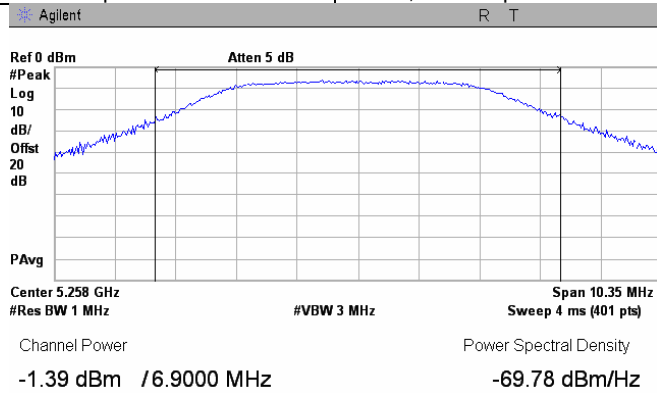


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009	<b>Relative Humidity:</b>	43 %
<b>Temperature:</b>	23 °C	<b>Air Pressure:</b>	1013 hPa
<b>Remarks:</b>	EUT with 22.5 dBi antenna assembly gain	<b>Power Supply:</b>	120 VAC

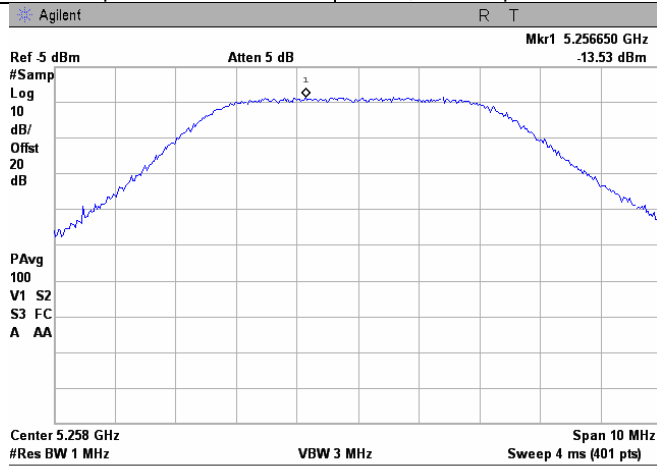
Plot 7.1.59 Peak output power

Frequency:	5257.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.60 Peak spectral power density

Frequency:	5257.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps

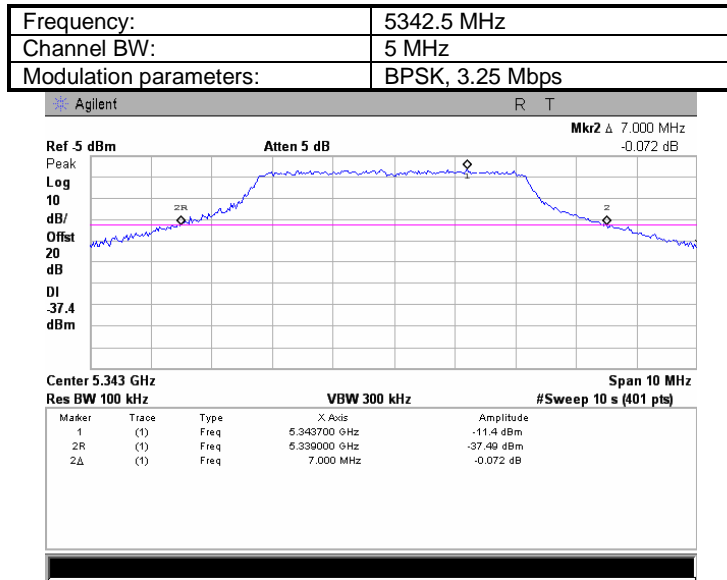




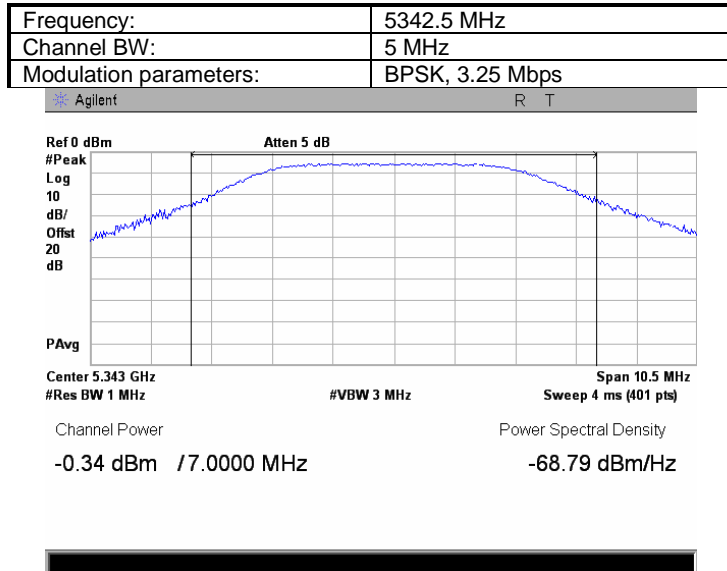
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

Plot 7.1.61 The 26 dB emission bandwidth



Plot 7.1.62 Peak output power



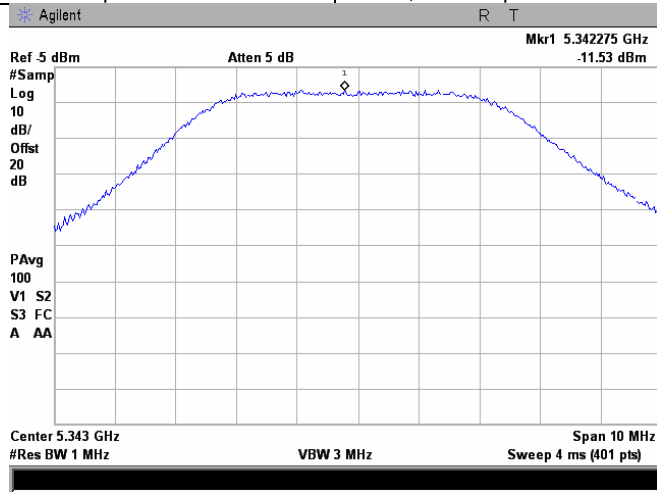


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

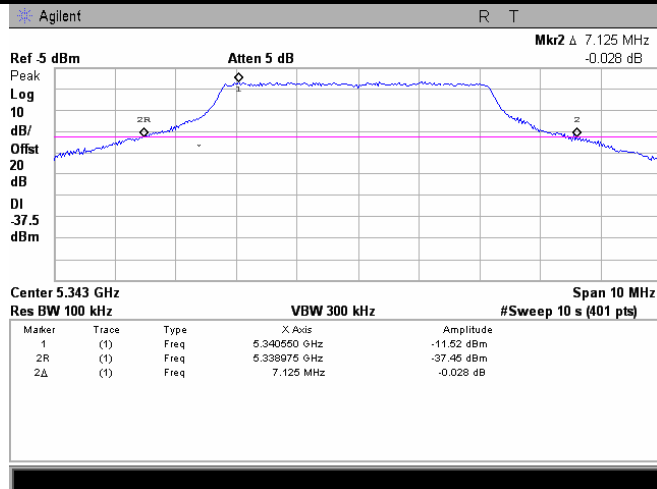
Plot 7.1.63 Peak spectral power density

Frequency:	5342.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.64 The 26 dB emission bandwidth

Frequency:	5342.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



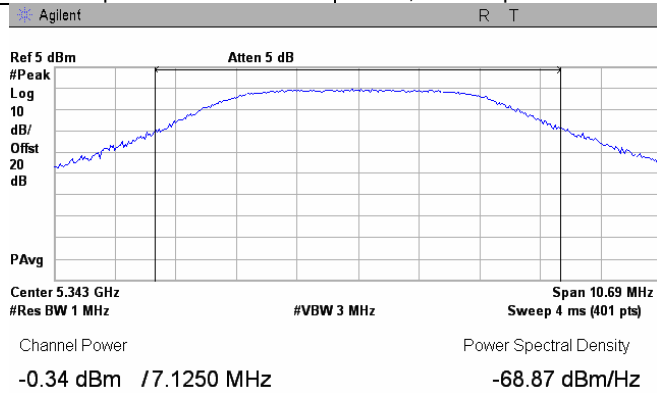


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 22.5 dBi antenna assembly gain			

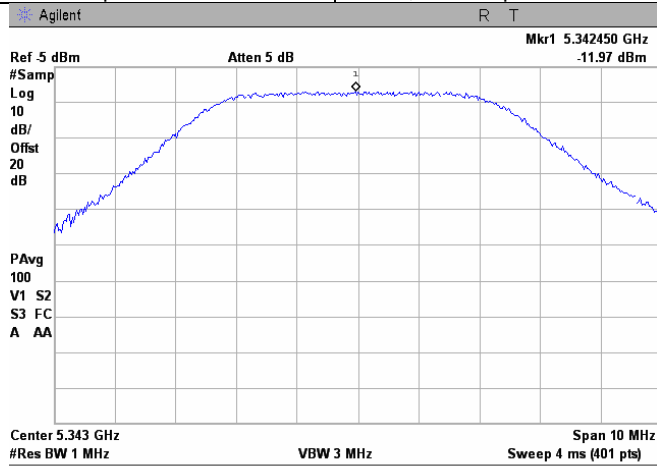
Plot 7.1.65 Peak output power

Frequency:	5342.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.66 Peak spectral power density

Frequency:	5342.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps





<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

**Table 7.1.10 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 40 MHz

Frequency, MHz	26 dB Bandwidth	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5275.0	43.800	27	BPSK	-4.67	-1.67	2.00	-3.67	Pass
5275.0	45.200	270	64QAM	-4.83	-1.83	2.00	-3.83	Pass
<b>Low channel In-Band</b>								
5285.0	47.550	27	BPSK	-1.52	1.48	2.00	-0.52	Pass
5285.0	47.400	270	64QAM	-1.53	1.47	2.00	-0.53	Pass
<b>Mid channel</b>								
5300.0	47.550	27	BPSK	-1.21	1.79	2.00	-0.21	Pass
5300.0	47.400	270	64QAM	-1.19	1.81	2.00	-0.19	Pass
<b>High channel In-Band</b>								
5315.0	47.550	27	BPSK	-1.36	1.64	2.00	-0.36	Pass
5315.0	47.550	270	64QAM	-1.20	1.80	2.00	-0.20	Pass
<b>High channel Band Edge</b>								
5325.0	43.900	27	BPSK	-4.34	-1.34	2.00	-3.34	Pass
5325.0	44.700	270	64QAM	-4.10	-1.10	2.00	-3.10	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.





<b>Test specification:</b>	<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

**Table 7.1.11 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5265	23.350	13	BPSK	-4.42	-1.42	2.00	-3.42	Pass
5265	23.100	130	64QAM	-4.80	-1.80	2.00	-3.80	Pass
<b>High channel Band Edge</b>								
5335	23.400	13	BPSK	-3.59	-0.59	2.00	-2.59	Pass
5335	23.100	130	64QAM	-3.65	-0.65	2.00	-2.65	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.

**Table 7.1.12 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5260	12.730	6.5	BPSK	-4.99	-1.99	0.05	-2.04	Pass
5260	12.730	65	64QAM	-5.02	-2.02	0.05	-2.07	Pass
<b>High channel Band Edge</b>								
5340	12.970	6.5	BPSK	-3.43	-0.43	0.13	-0.56	Pass
5340	12.330	65	64QAM	-3.37	-0.37	-0.09	-0.28	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

**Table 7.1.13 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5257.5-5342.5 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5257.5	7.225	3.25	BPSK	-7.25	-4.25	-2.41	-1.84	Pass
5257.5	6.900	32.5	64QAM	-7.20	-4.20	-2.61	-1.59	Pass
<b>High channel Band Edge</b>								
5342.5	7.000	3.25	BPSK	-5.94	-2.94	-2.55	-0.39	Pass
5342.5	7.125	32.5	64QAM	-6.06	-3.06	-2.47	-0.59	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437	HL 3818			
---------	---------	---------	---------	---------	--	--	--

Full description is given in Appendix A.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

**Table 7.1.14 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 40 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5275.0	27	BPSK	-24.50	-21.50	-11.00	-10.50	Pass
5275.0	270	64QAM	-24.69	-21.69	-11.00	-10.69	Pass
<b>Low channel In-Band</b>							
5285.0	27	BPSK	-21.66	-18.66	-11.00	-7.66	Pass
5285.0	270	64QAM	-21.30	-18.30	-11.00	-7.30	Pass
<b>Mid channel</b>							
5300.0	27	BPSK	-20.55	-17.55	-11.00	-6.55	Pass
5300.0	270	64QAM	-20.87	-17.87	-11.00	-6.87	Pass
<b>High channel In-Band</b>							
5315.0	27	BPSK	-20.91	-17.91	-11.00	-6.91	Pass
5315.0	270	64QAM	-20.59	-17.59	-11.00	-6.59	Pass
<b>High channel Band Edge</b>							
5325.0	27	BPSK	-24.02	-21.02	-11.00	-10.02	Pass
5325.0	270	64QAM	-24.23	-21.23	-11.00	-10.23	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.  
 \*\* - Margin = Total peak power density – specification limit.



<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>		Compliance	
<b>Date:</b>		12/14/2009	
<b>Temperature:</b> 23 °C		<b>Air Pressure:</b> 1013 hPa	
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain		<b>Verdict:</b> PASS	
		<b>Relative Humidity:</b> 43 %	
		<b>Power Supply:</b> 120 VAC	

Table 7.1.15 Peak power spectral density test results

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5265	13	BPSK	-22.64	-19.64	-11.00	-8.64	Pass
5265	130	64QAM	-22.37	-19.37	-11.00	-8.37	Pass
<b>High channel Band Edge</b>							
5335	13	BPSK	-20.50	-17.50	-11.00	-6.50	Pass
5335	130	64QAM	-21.01	-18.01	-11.00	-7.01	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.

Table 7.1.16 Peak power spectral density test results

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5260	6.5	BPSK	-19.62	-16.62	-11.00	-5.62	Pass
5260	65	64QAM	-19.48	-16.48	-11.00	-5.48	Pass
<b>High channel Band Edge</b>							
5340	6.5	BPSK	-17.74	-14.74	-11.00	-3.74	Pass
5340	65	64QAM	-17.86	-14.86	-11.00	-3.86	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.



<b>Test specification:</b>	<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

**Table 7.1.17 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5257.5-5342.5 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 28 dBi  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5257.5	3.25	BPSK	-18.71	-15.71	-11.00	-4.71	Pass
5257.5	32.5	64QAM	-18.97	-15.97	-11.00	-4.97	Pass
<b>High channel Band Edge</b>							
5342.5	3.25	BPSK	-17.33	-14.33	-11.00	-3.33	Pass
5342.5	32.5	64QAM	-17.51	-14.51	-11.00	-3.51	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437	HL 3818			
---------	---------	---------	---------	---------	--	--	--

Full description is given in Appendix A.

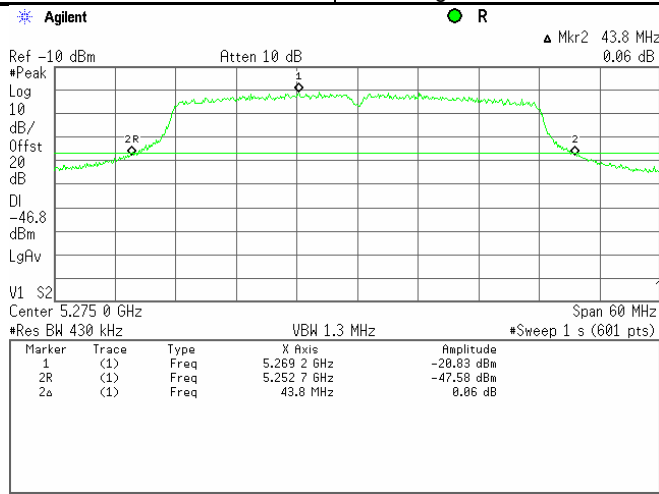


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

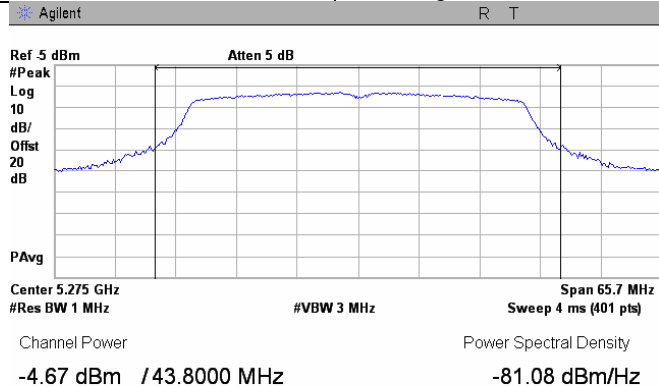
Plot 7.1.67 The 26 dB emission bandwidth

<b>Frequency:</b>	5275 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps
<b>NOTE</b>	Band Edge



Plot 7.1.68 Peak output power

<b>Frequency:</b>	5275 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps
<b>NOTE</b>	Band Edge



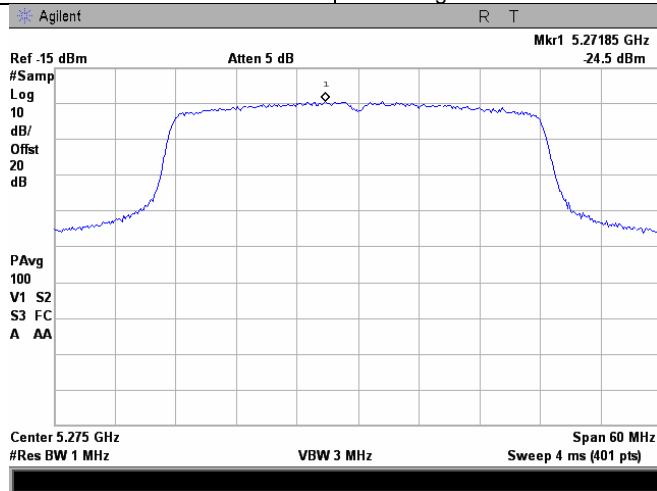


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

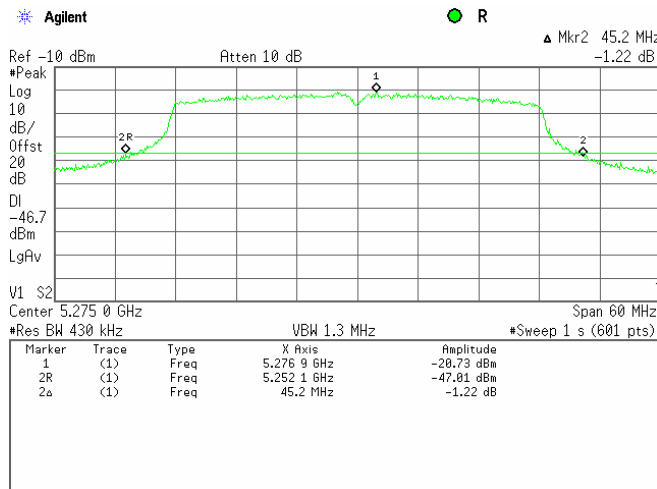
Plot 7.1.69 Peak spectral power density

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.70 The 26 dB emission bandwidth

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



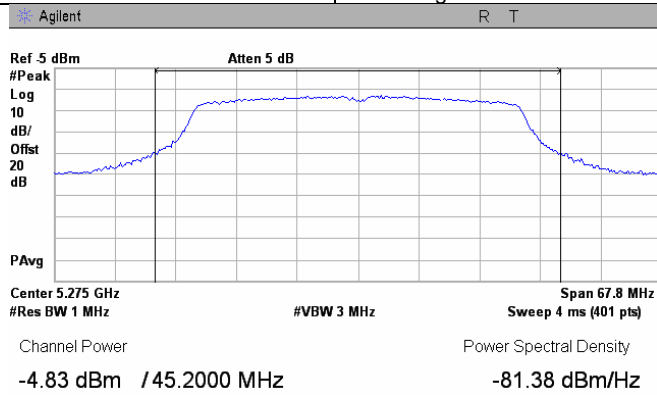


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

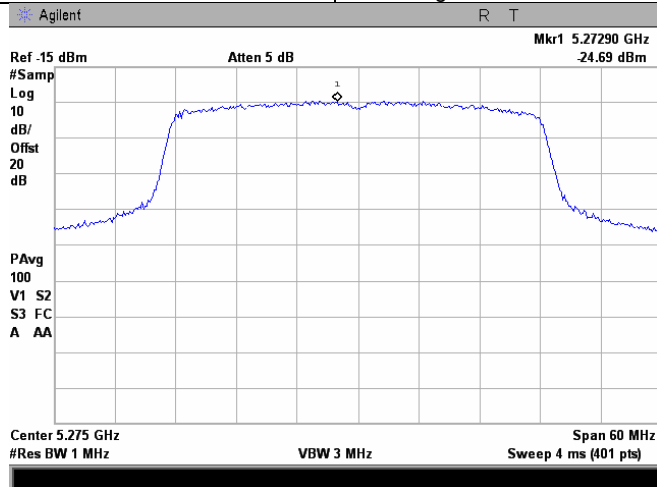
Plot 7.1.71 Peak output power

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.72 Peak spectral power density

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge





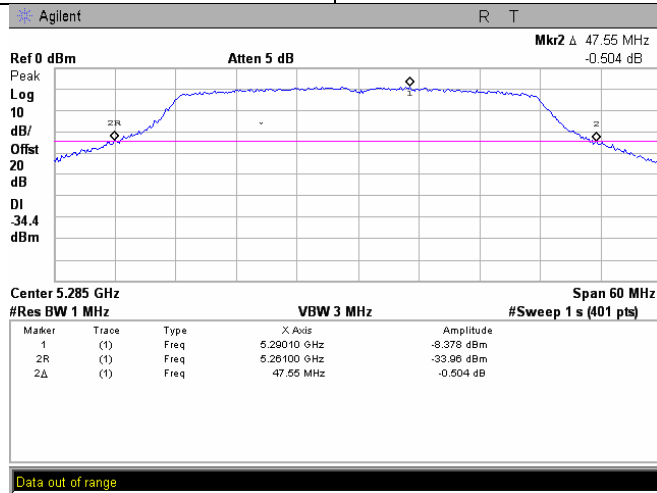


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

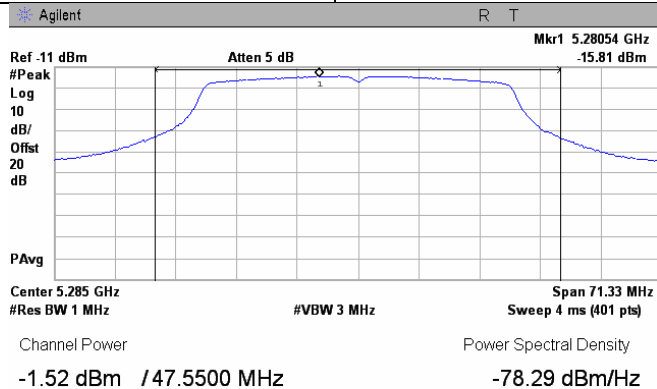
Plot 7.1.73 The 26 dB emission bandwidth

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.74 Peak output power

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



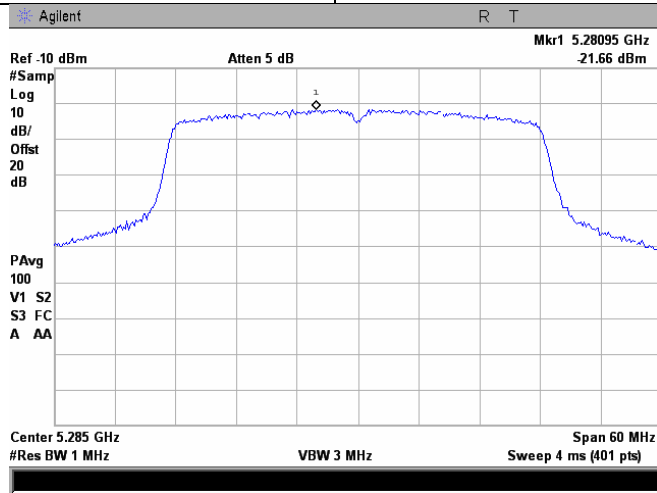


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

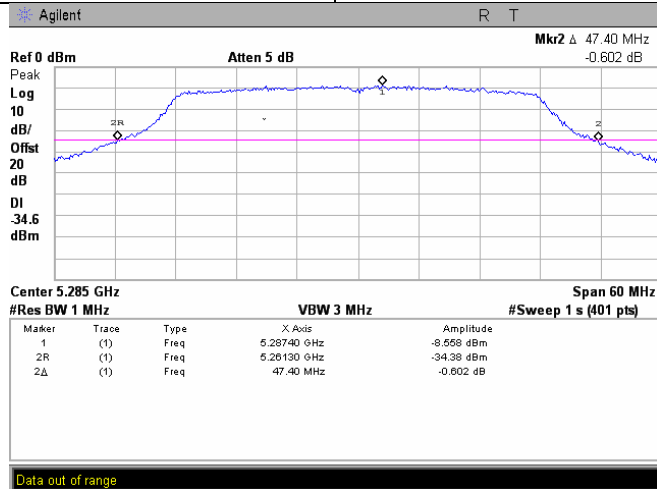
Plot 7.1.75 Peak spectral power density

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.76 The 26 dB emission bandwidth

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



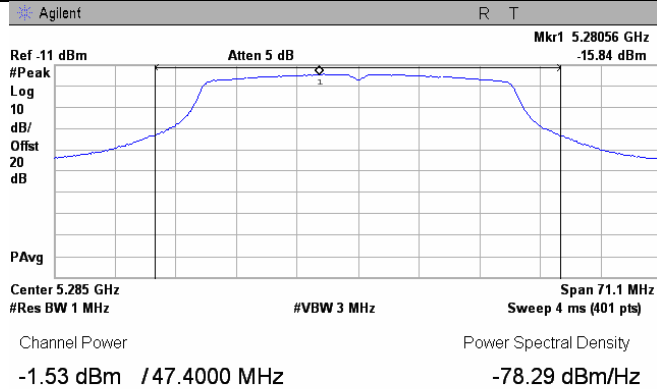


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

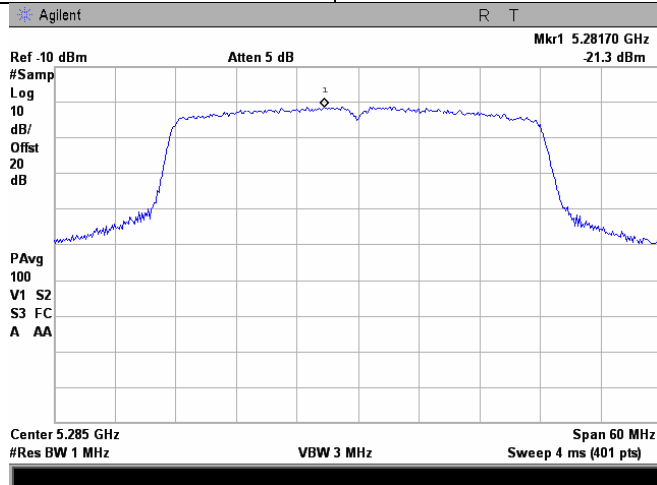
Plot 7.1.77 Peak output power

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



Plot 7.1.78 Peak spectral power density

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band

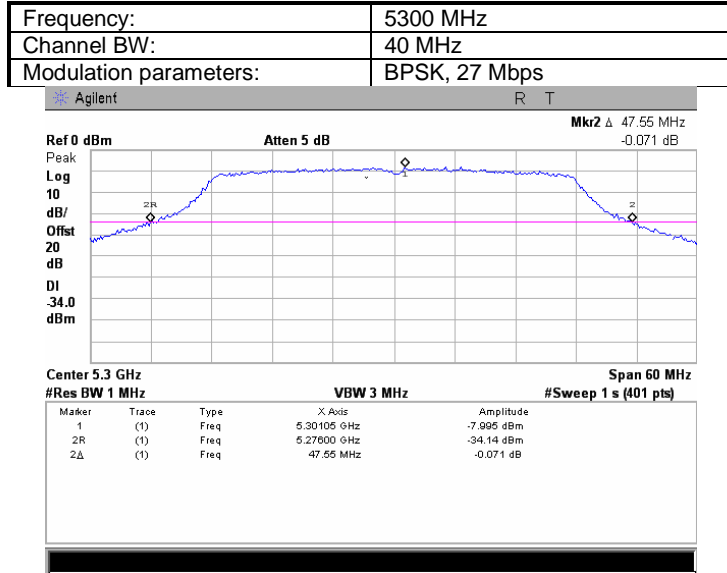




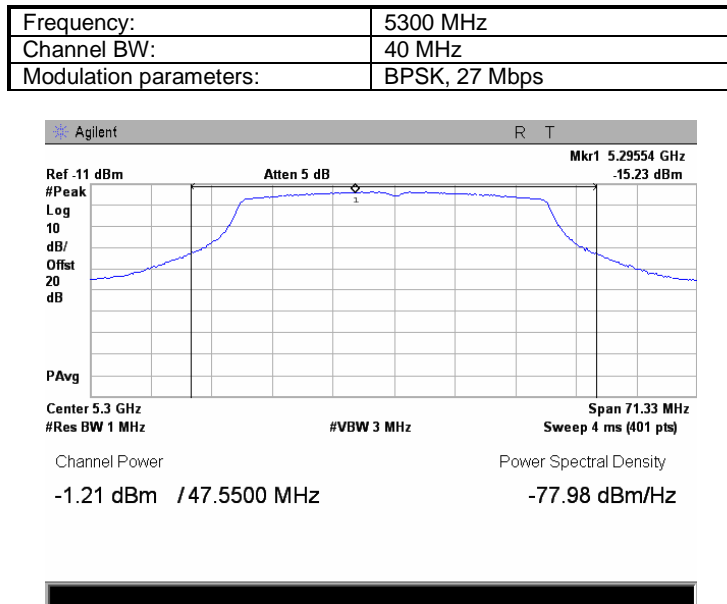
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.79 The 26 dB emission bandwidth



Plot 7.1.80 Peak output power



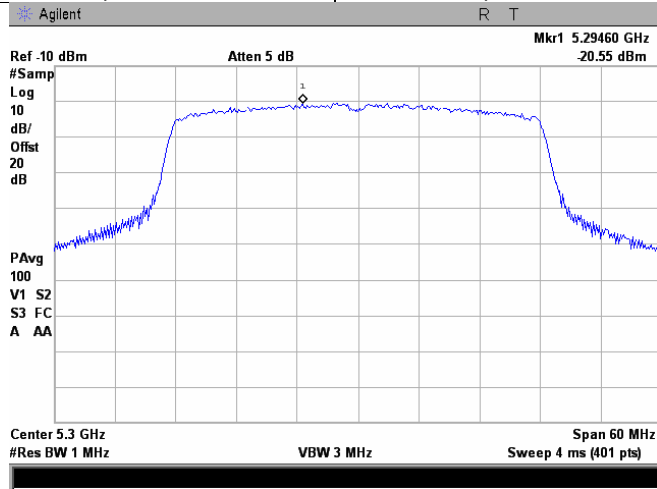


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

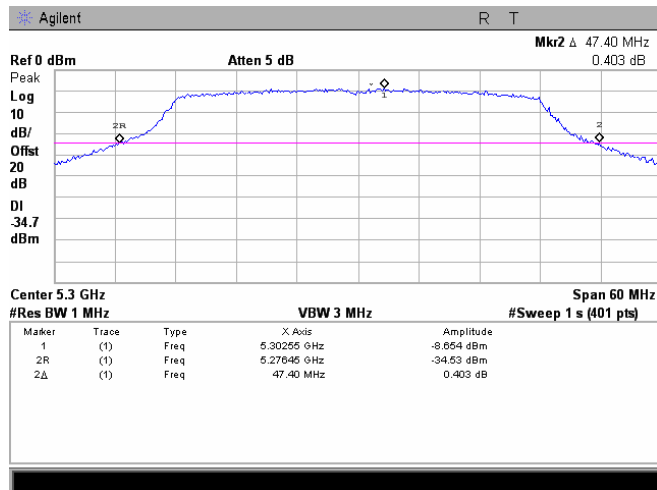
Plot 7.1.81 Peak spectral power density

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.82 The 26 dB emission bandwidth

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



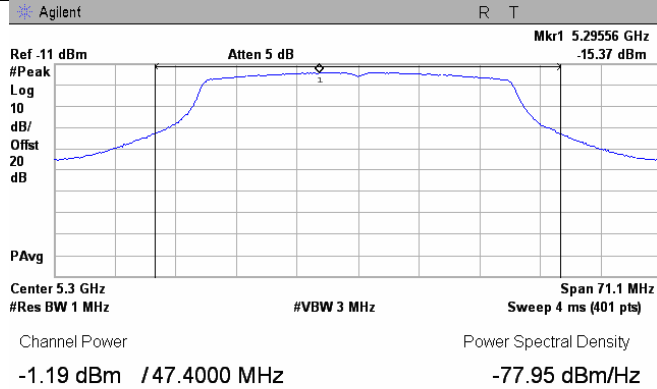


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

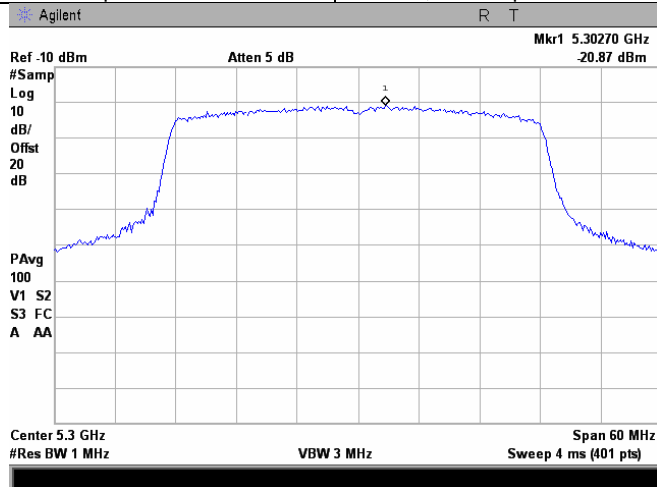
Plot 7.1.83 Peak output power

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.84 Peak spectral power density

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



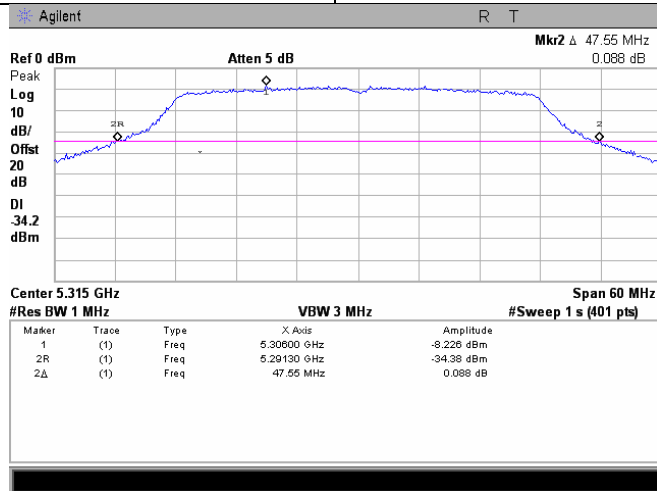


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

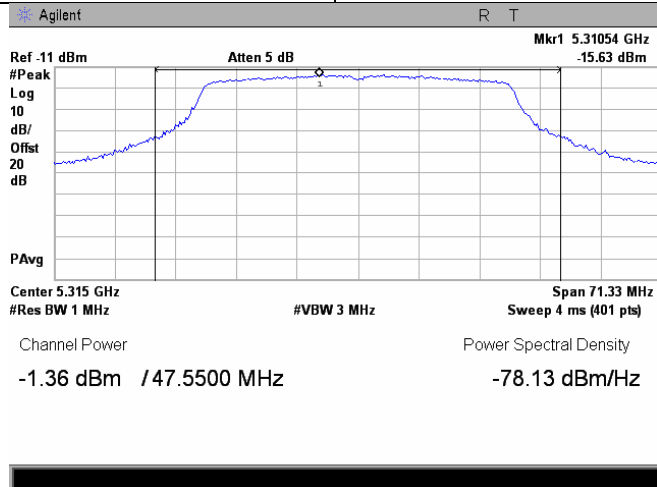
Plot 7.1.85 The 26 dB emission bandwidth

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.86 Peak output power

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



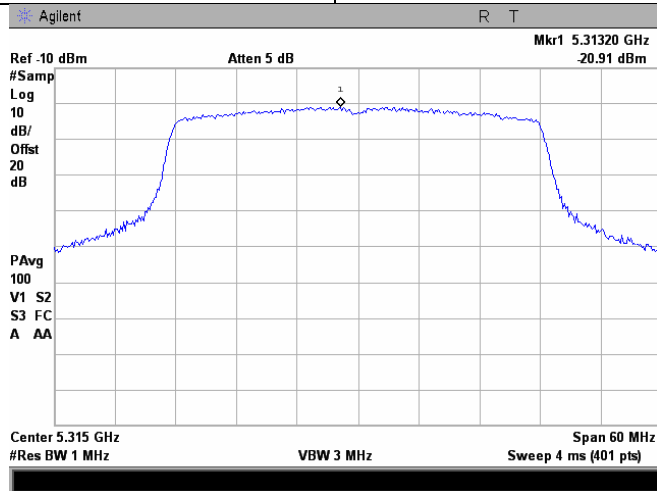


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

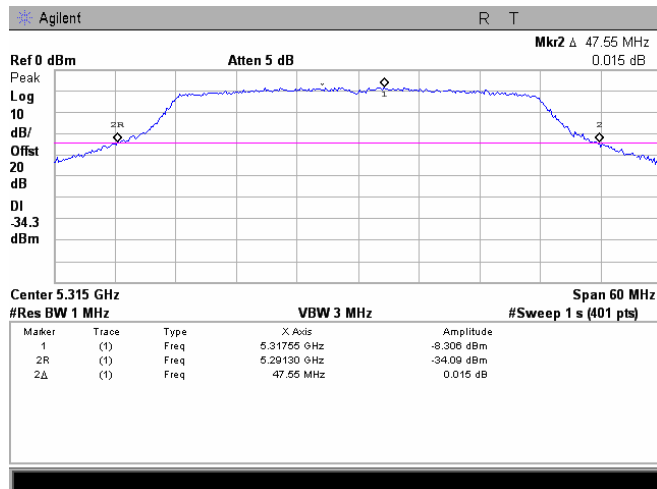
Plot 7.1.87 Peak spectral power density

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.88 The 26 dB emission bandwidth

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band





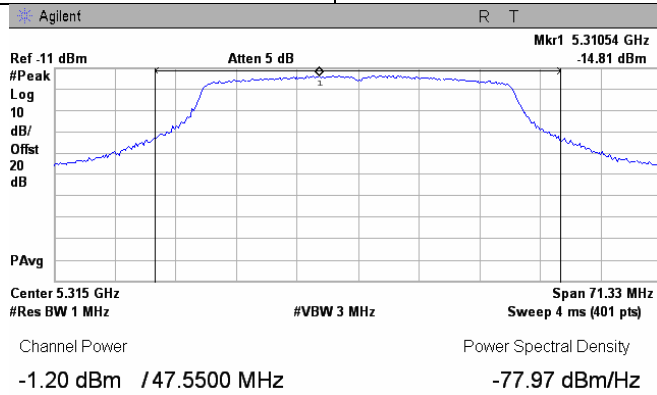


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

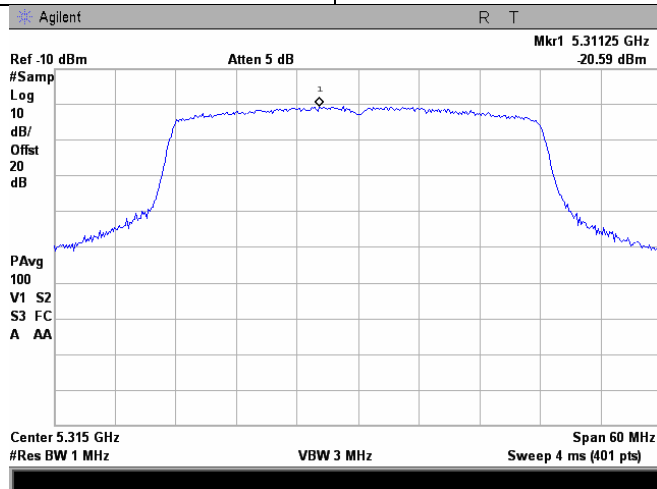
Plot 7.1.89 Peak output power

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



Plot 7.1.90 Peak spectral power density

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



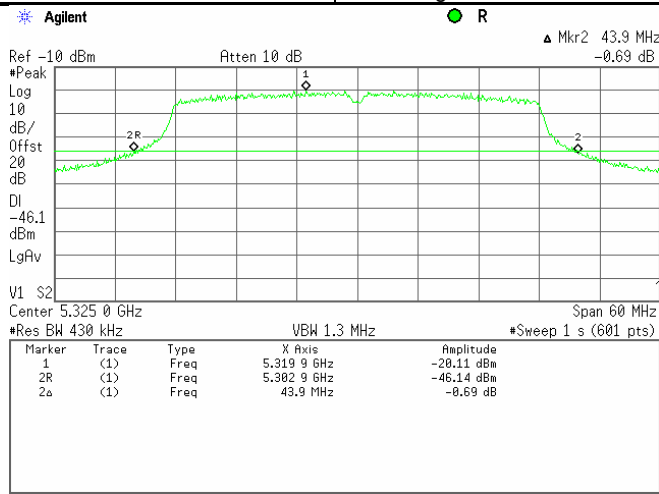


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

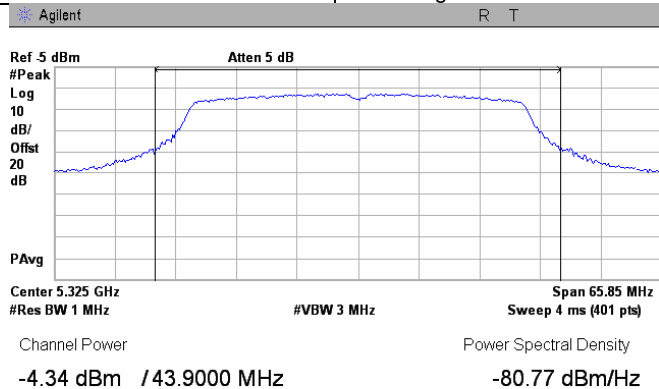
Plot 7.1.91 The 26 dB emission bandwidth

<b>Frequency:</b>	5325 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps
<b>NOTE</b>	Band Edge



Plot 7.1.92 Peak output power

<b>Frequency:</b>	5325 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps
<b>NOTE</b>	Band Edge



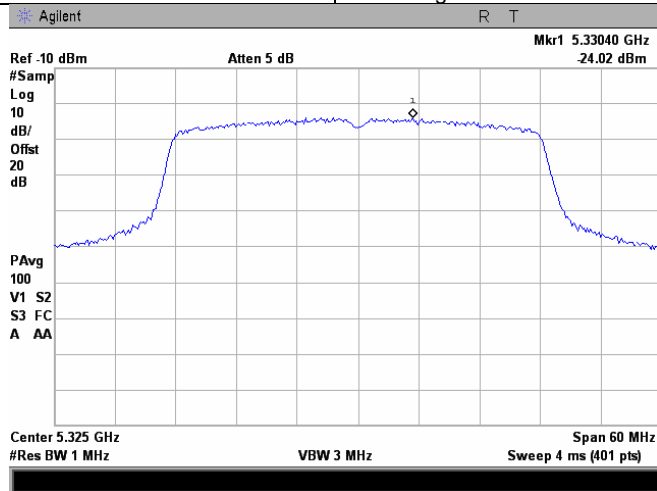


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

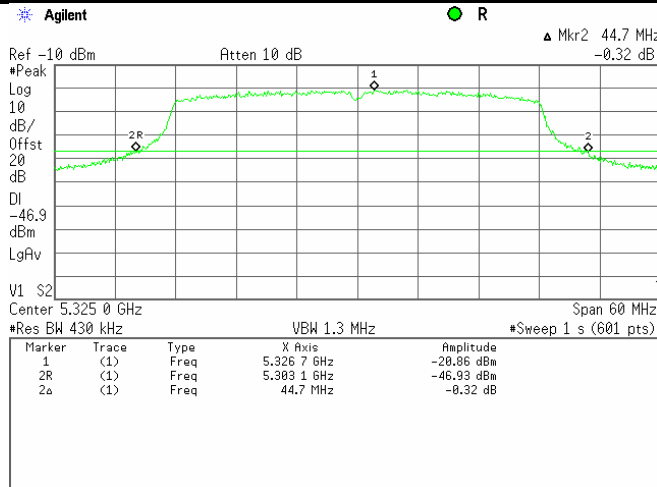
Plot 7.1.93 Peak spectral power density

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.94 The 26 dB emission bandwidth

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



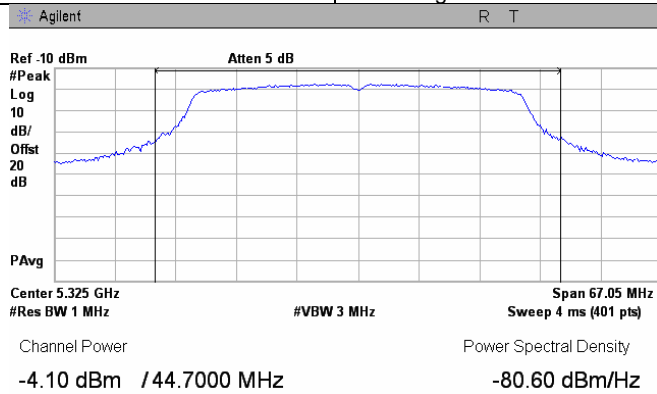


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

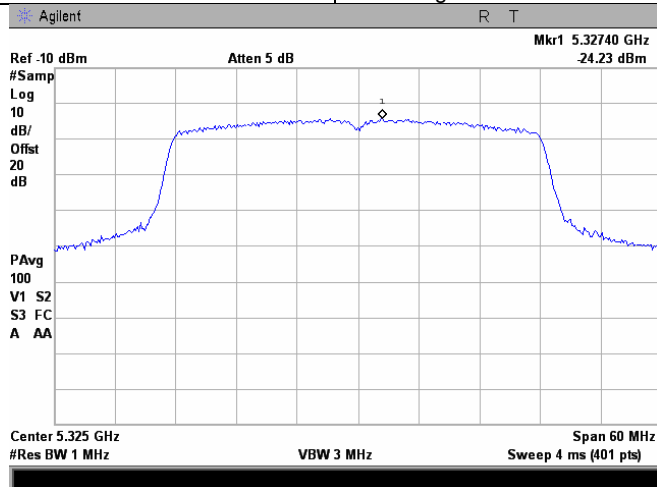
Plot 7.1.95 Peak output power

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.96 Peak spectral power density

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge

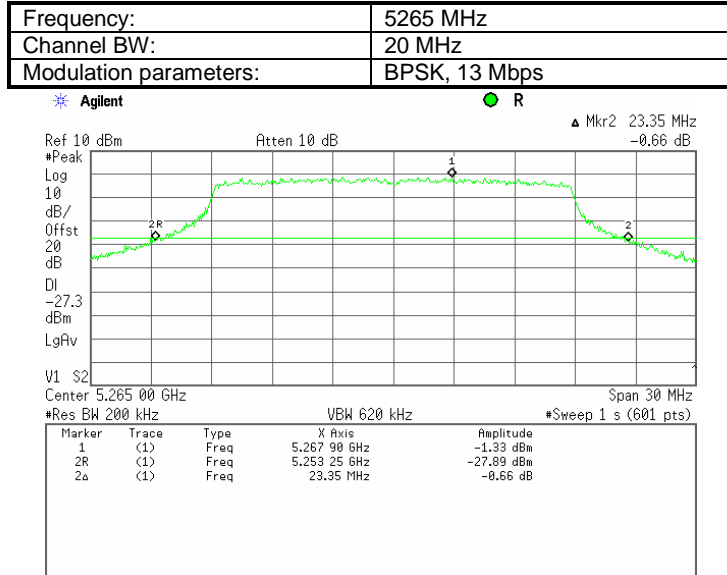




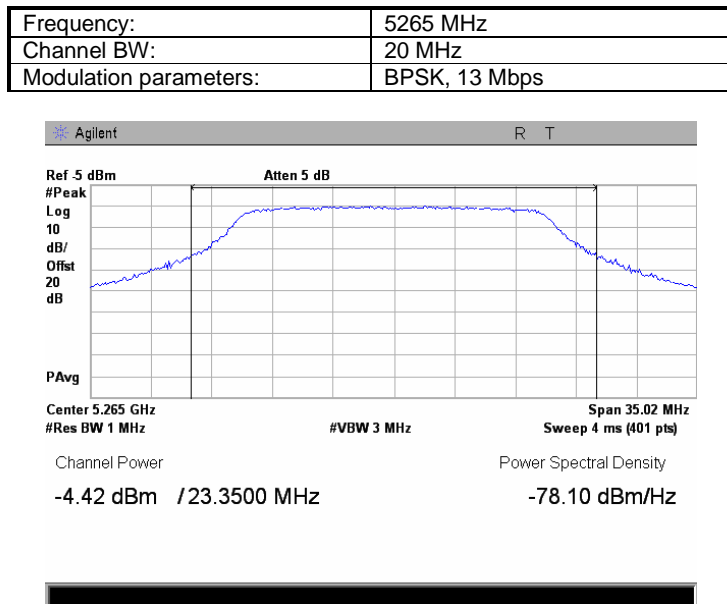
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.97 The 26 dB emission bandwidth



Plot 7.1.98 Peak output power

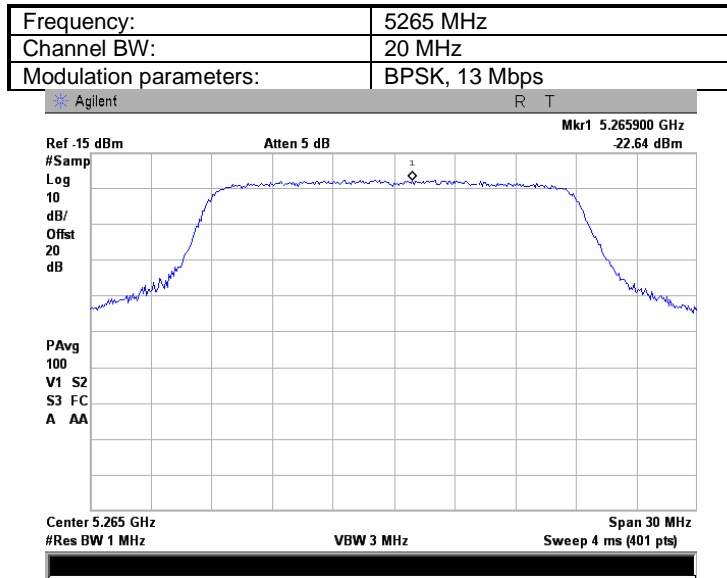




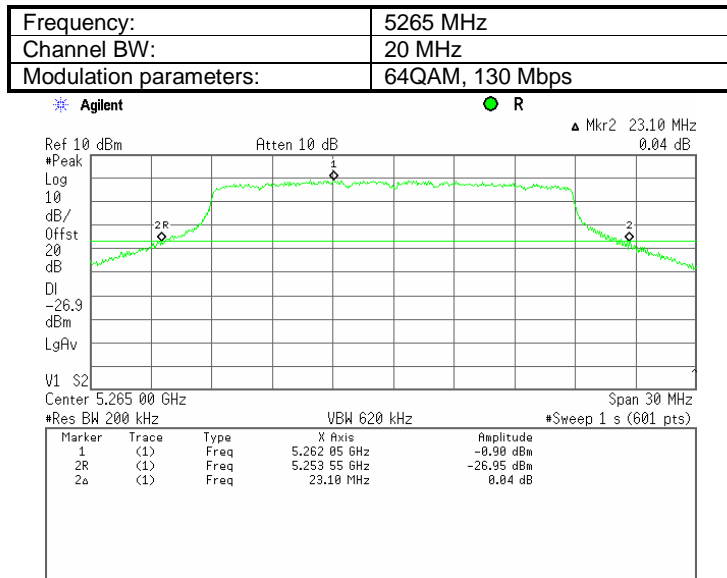
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.99 Peak spectral power density



Plot 7.1.100 The 26 dB emission bandwidth



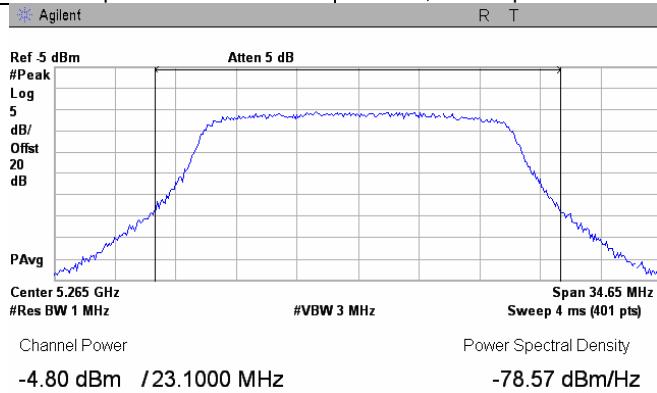


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

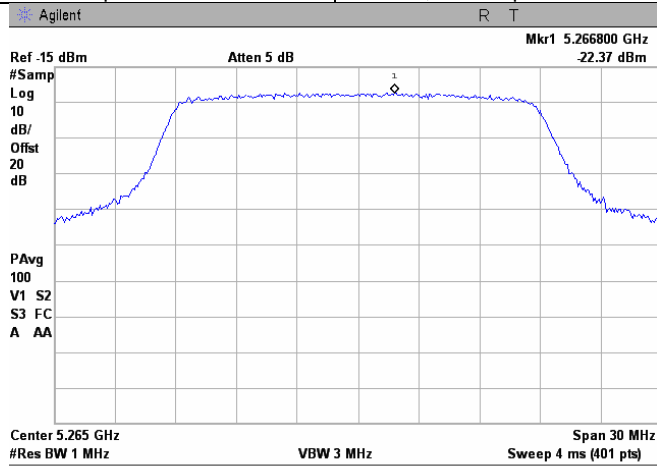
Plot 7.1.101 Peak output power

Frequency:	5265 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



Plot 7.1.102 Peak spectral power density

Frequency:	5265 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



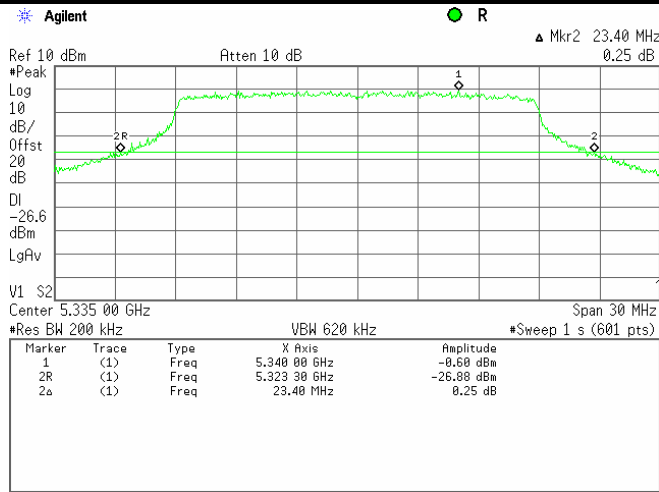


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

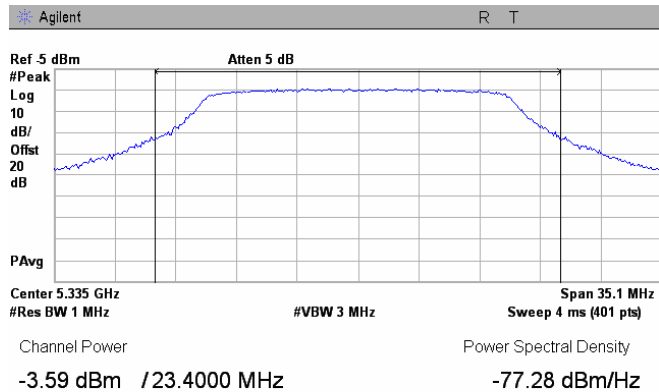
Plot 7.1.103 The 26 dB emission bandwidth

<b>Frequency:</b>	5335 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



Plot 7.1.104 Peak output power

<b>Frequency:</b>	5335 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



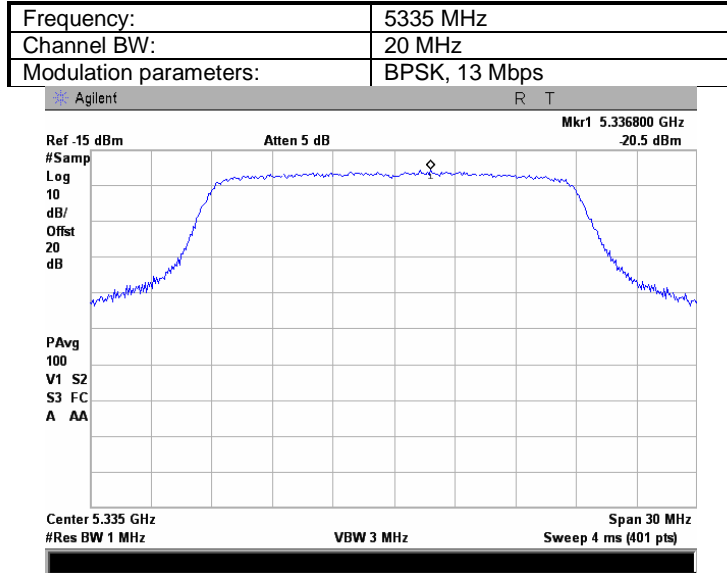




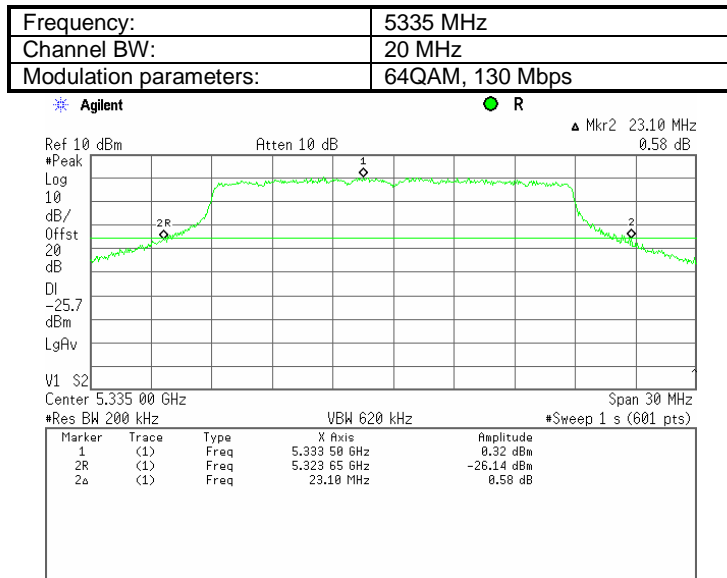
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.105 Peak spectral power density



Plot 7.1.106 The 26 dB emission bandwidth



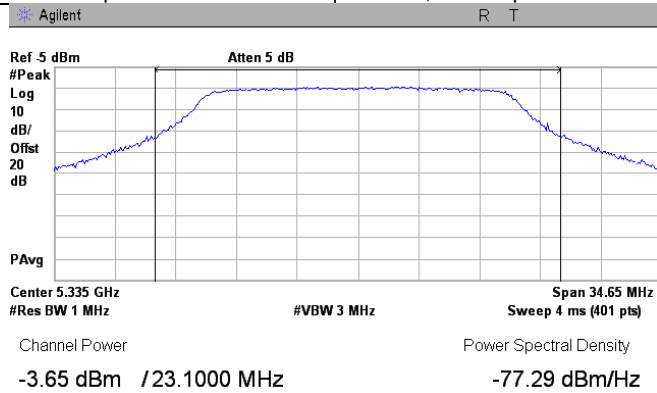


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

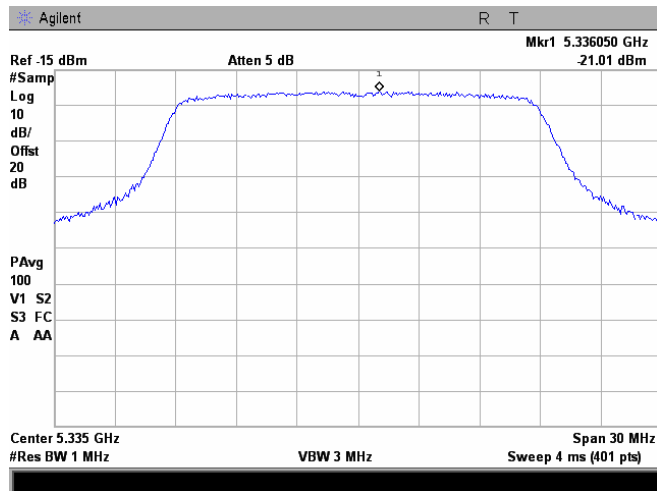
Plot 7.1.107 Peak output power

Frequency:	5335 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



Plot 7.1.108 Peak spectral power density

Frequency:	5335 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



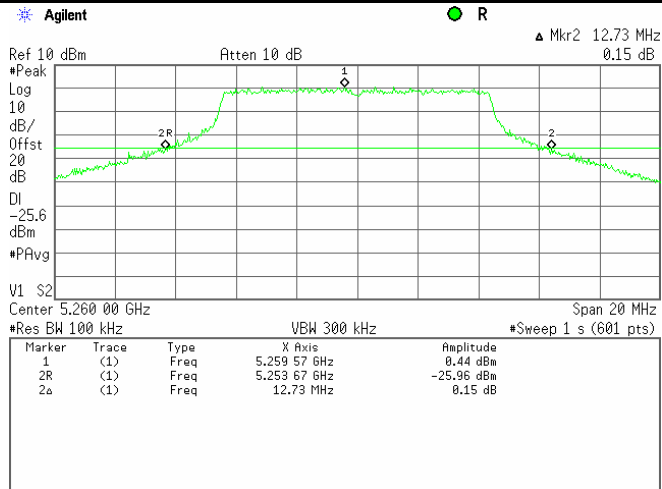


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

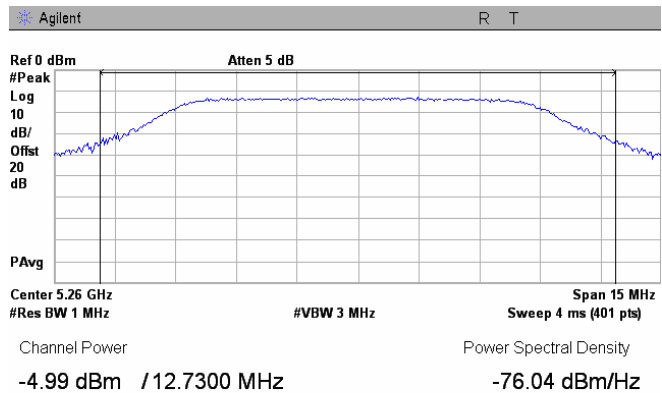
Plot 7.1.109 The 26 dB emission bandwidth

<b>Frequency:</b>	5260 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	BPSK, 6.5 Mbps



Plot 7.1.110 Peak output power

<b>Frequency:</b>	5260 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	BPSK, 6.5 Mbps

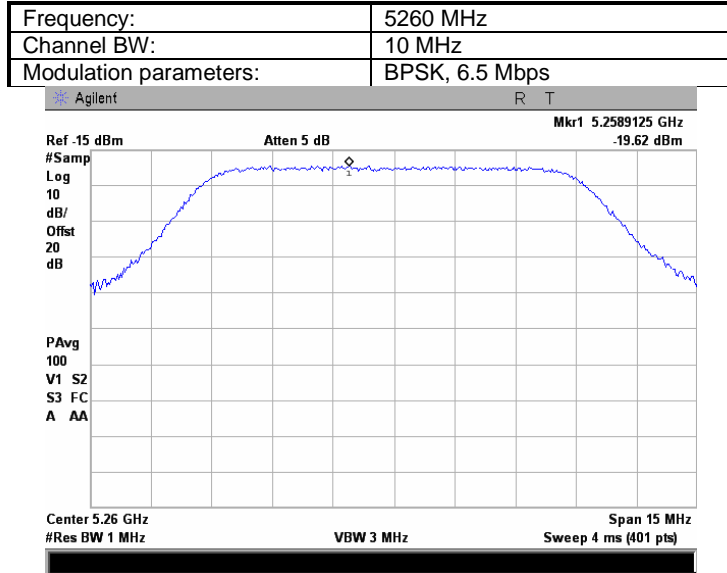




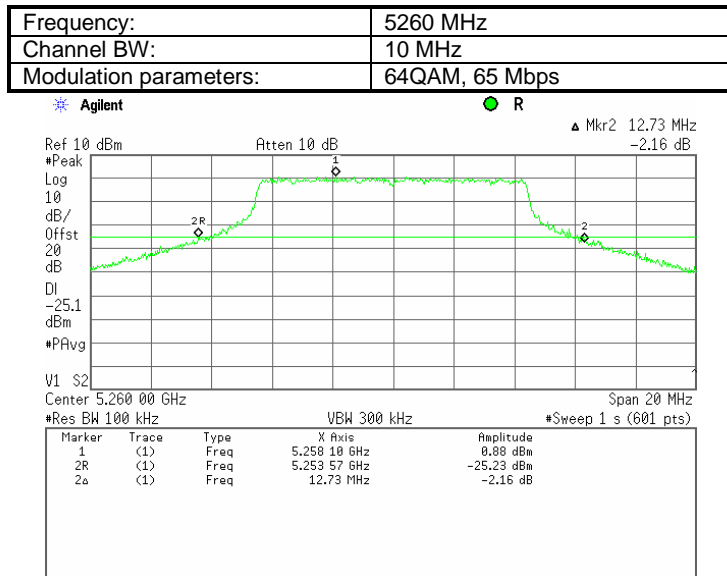
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.111 Peak spectral power density



Plot 7.1.112 The 26 dB emission bandwidth



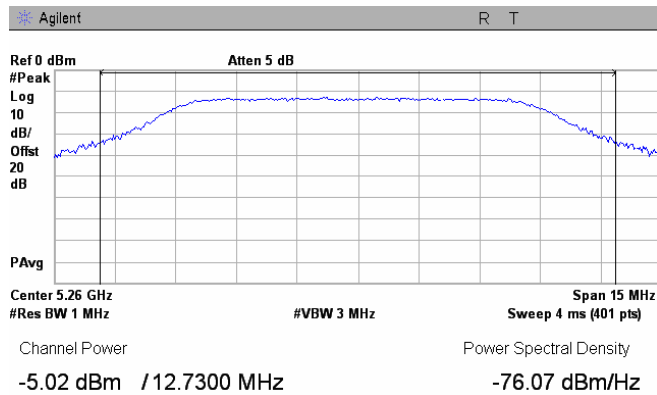


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

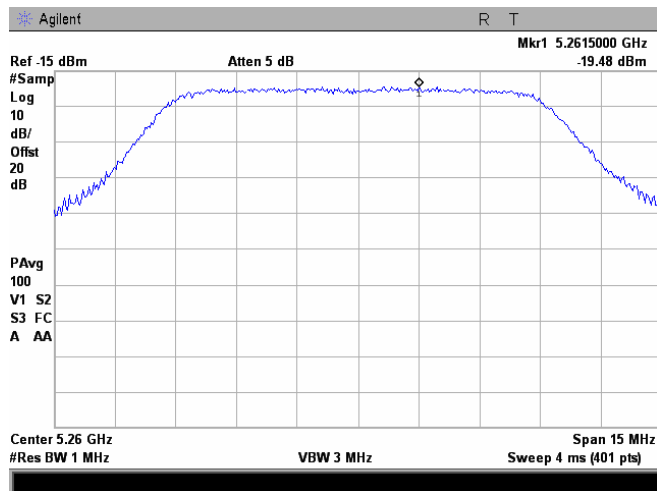
Plot 7.1.113 Peak output power

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.114 Peak spectral power density

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



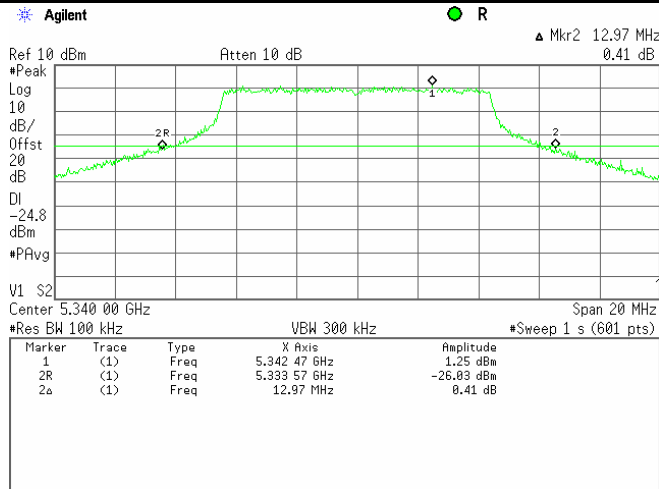


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

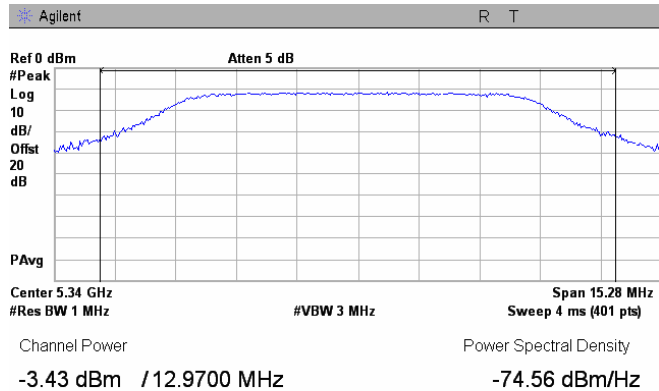
Plot 7.1.115 The 26 dB emission bandwidth

<b>Frequency:</b>	5340 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	BPSK, 6.5 Mbps



Plot 7.1.116 Peak output power

<b>Frequency:</b>	5340 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	BPSK, 6.5 Mbps



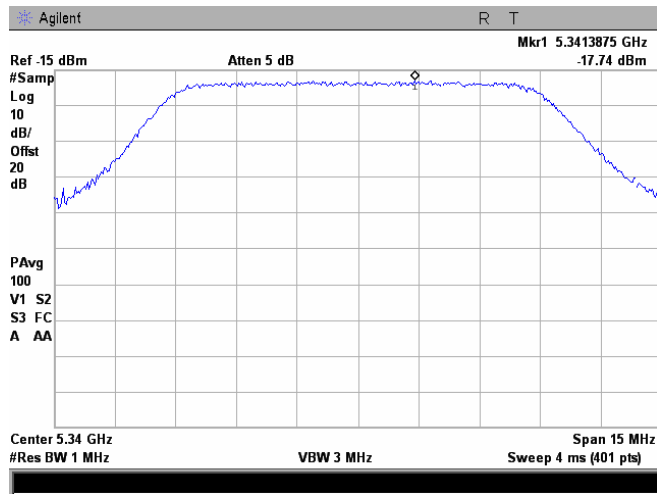


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

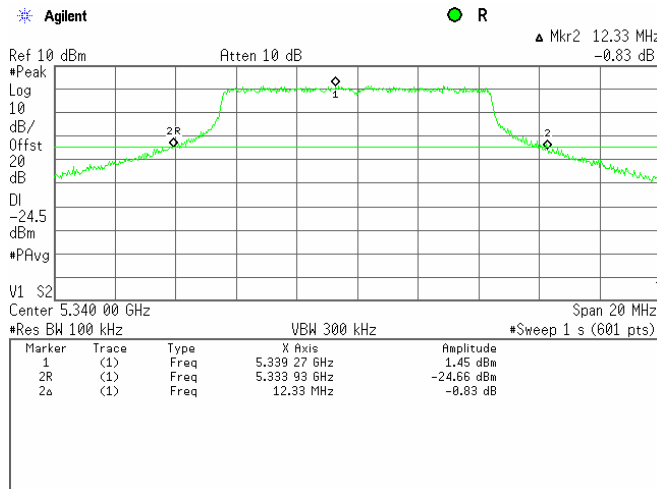
Plot 7.1.117 Peak spectral power density

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.118 The 26 dB emission bandwidth

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



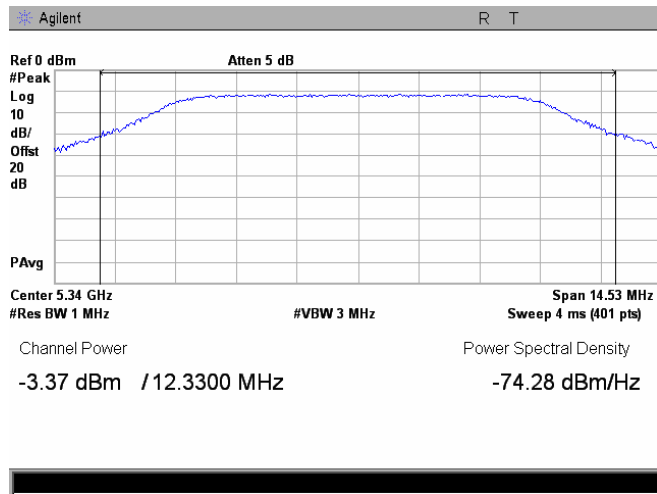


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

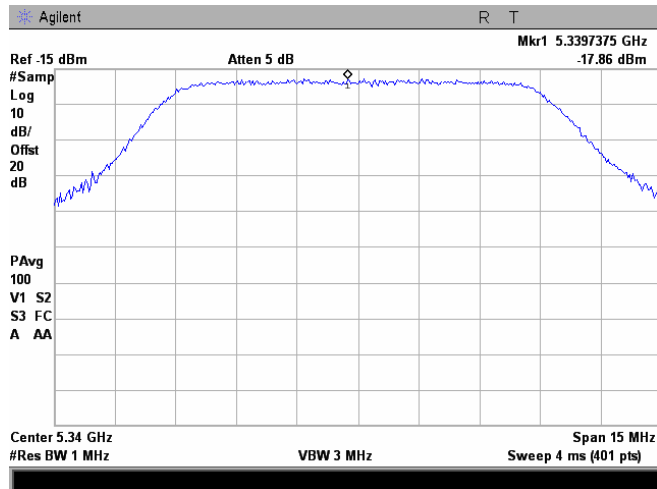
Plot 7.1.119 Peak output power

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.120 Peak spectral power density

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



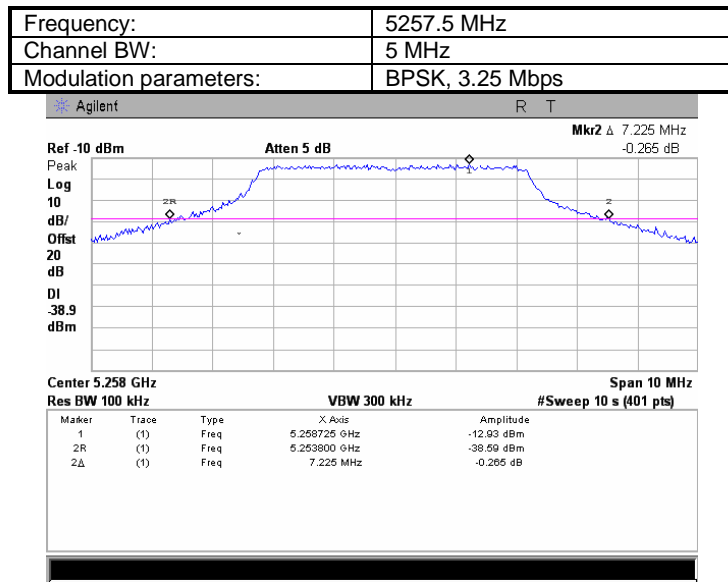




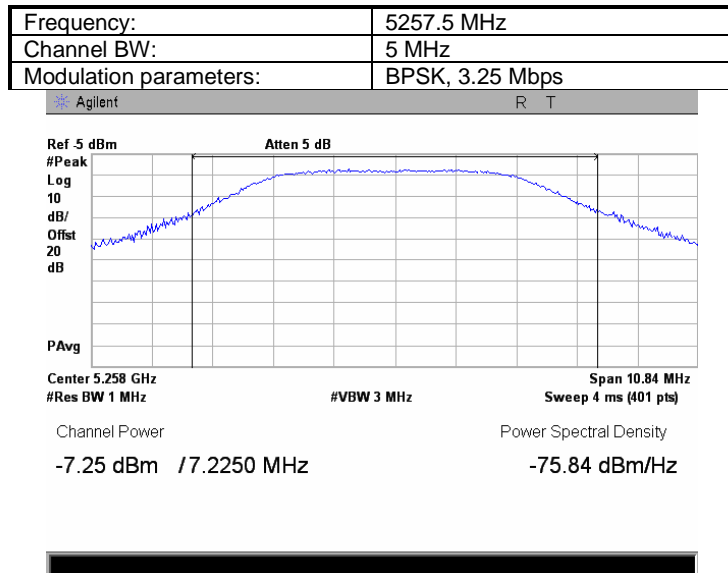
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.121 The 26 dB emission bandwidth



Plot 7.1.122 Peak output power

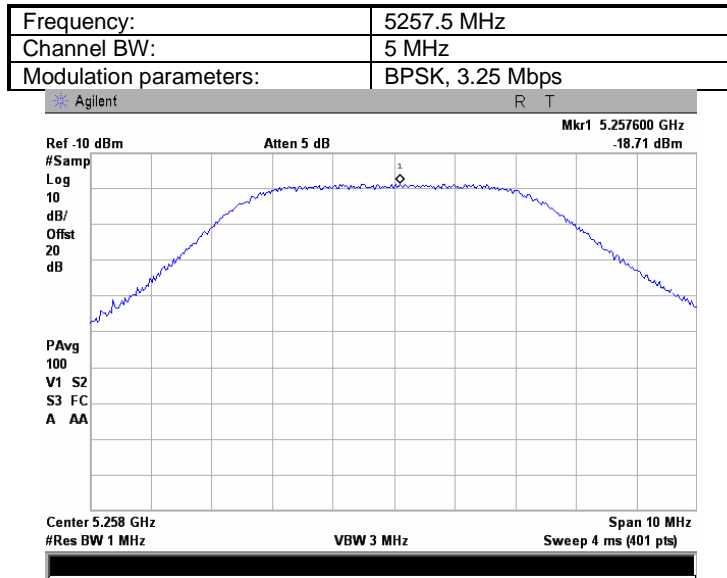




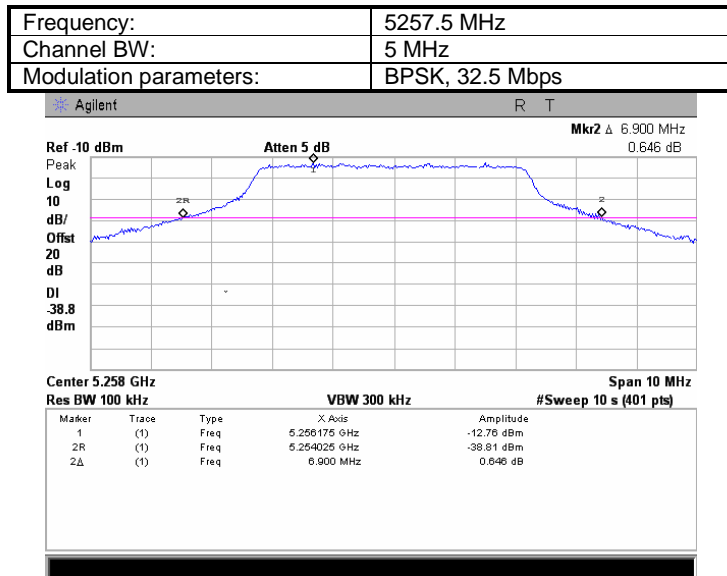
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.123 Peak spectral power density



Plot 7.1.124 The 26 dB emission bandwidth



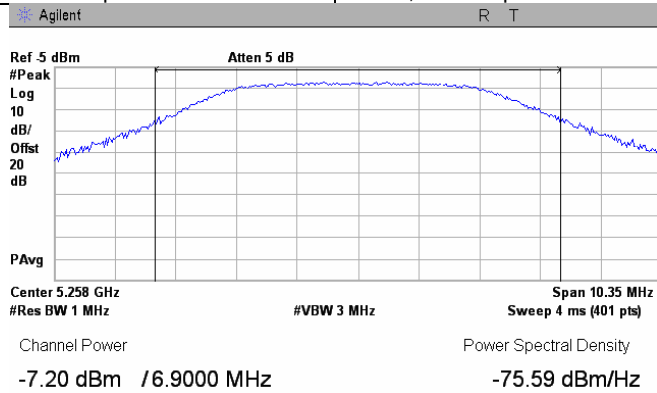


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

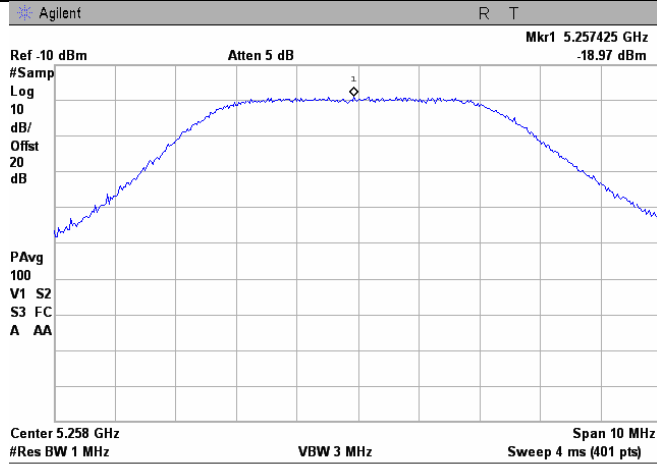
Plot 7.1.125 Peak output power

Frequency:	5257.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.126 Peak spectral power density

Frequency:	5257.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps

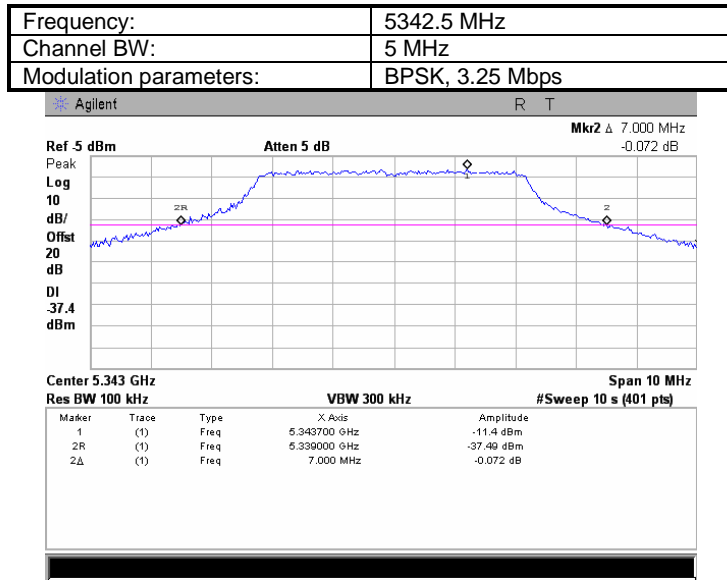




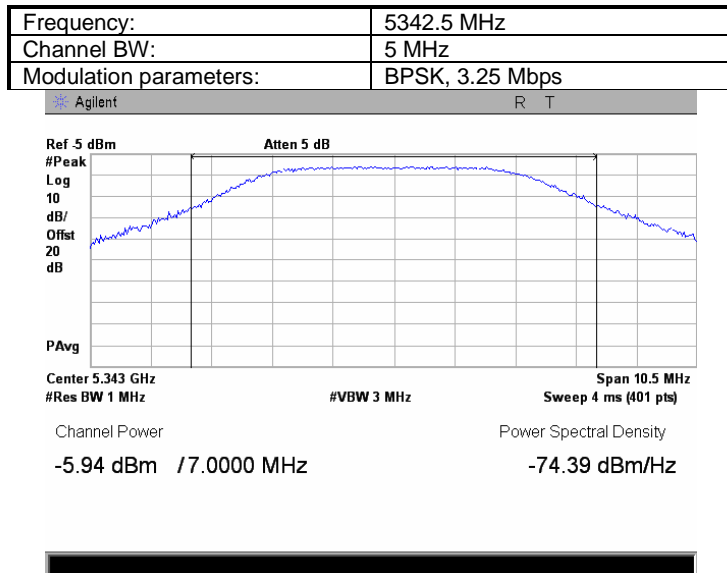
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.127 The 26 dB emission bandwidth



Plot 7.1.128 Peak output power

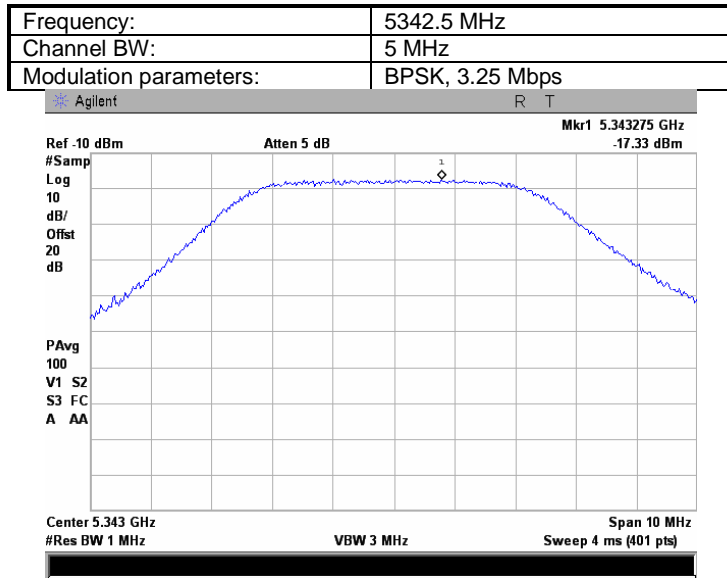




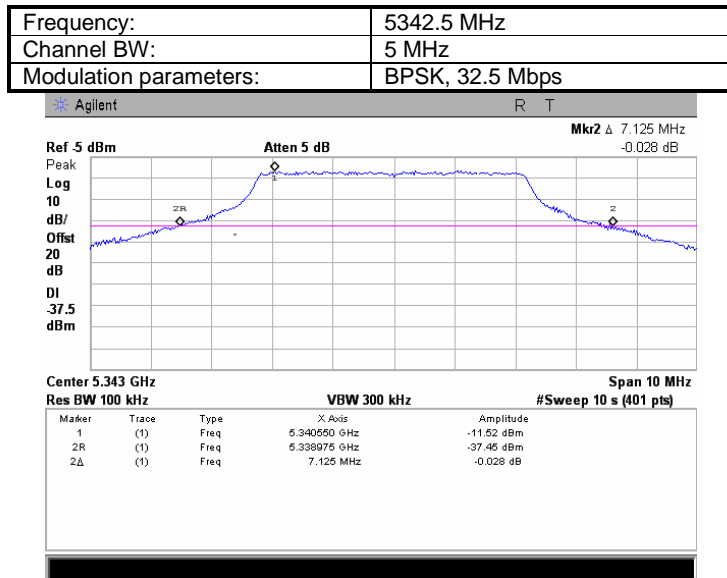
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

Plot 7.1.129 Peak spectral power density



Plot 7.1.130 The 26 dB emission bandwidth



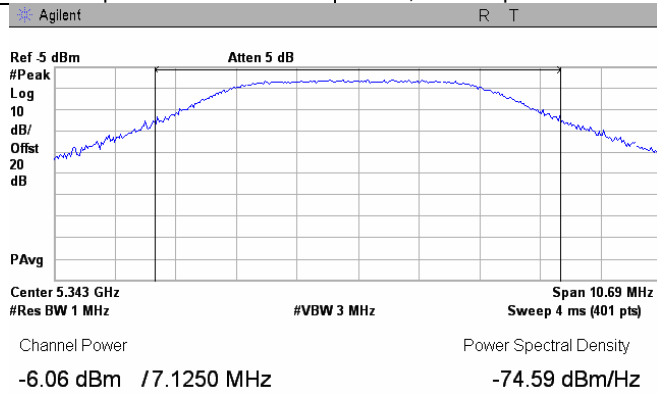


HERMON LABORATORIES

<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 28 dBi antenna assembly gain			

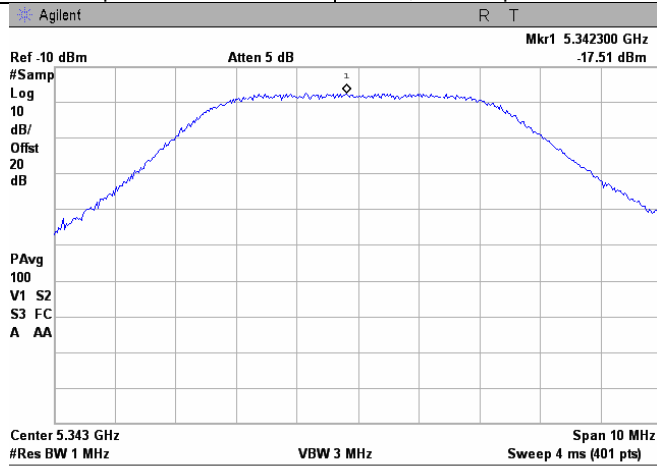
Plot 7.1.131 Peak output power

Frequency:	5342.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.132 Peak spectral power density

Frequency:	5342.5 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps





<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Table 7.1.18 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 40 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5275	43.5	27	BPSK	10.99	13.99	24.00	-10.01	Pass
5275	43.5	270	64QAM	10.63	13.63	24.00	-10.37	Pass
<b>Low channel In-Band</b>								
5285	44.0	27	BPSK	19.04	22.04	24.00	-1.96	Pass
5285	44.2	270	64QAM	19.42	22.42	24.00	-1.58	Pass
<b>Mid channel</b>								
5300	43.5	27	BPSK	19.33	22.33	24.00	-1.67	Pass
5300	44.3	270	64QAM	19.12	22.12	24.00	-1.88	Pass
<b>High channel In-Band</b>								
5315	42.4	27	BPSK	19.10	22.10	24.00	-1.90	Pass
5315	43.7	270	64QAM	19.07	22.07	24.00	-1.93	Pass
<b>High channel Band Edge</b>								
5325	43.7	27	BPSK	11.36	14.36	24.00	-9.64	Pass
5325	43.5	270	64QAM	11.29	14.29	24.00	-9.71	Pass

\*- Total peak power = Measured peak power + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power – specification limit.



<b>Test specification:</b>		FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Table 7.1.19 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5265	23.35	13	BPSK	10.82	13.82	24.00	-10.18	Pass
5265	23.10	130	64QAM	10.89	13.89	24.00	-10.11	Pass
<b>Low channel In Band</b>								
5275	23.00	13	BPSK	20.25	23.25	24.00	-0.75	Pass
5275	22.93	130	64QAM	19.65	22.65	24.00	-1.35	Pass
<b>Mid channel</b>								
5300	23.47	13	BPSK	19.97	22.97	24.00	-1.03	Pass
5300	23.27	130	64QAM	20.54	23.54	24.00	-0.46	Pass
<b>High channel In Band</b>								
5325	23.40	13	BPSK	20.34	23.34	24.00	-0.66	Pass
5325	22.60	130	64QAM	20.42	23.42	24.00	-0.58	Pass
<b>High channel Band Edge</b>								
5335	23.40	13	BPSK	12.36	15.36	24.00	-8.64	Pass
5335	23.10	130	64QAM	11.67	14.67	24.00	-9.33	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.





<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Table 7.1.20 Conducted output power test results

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
MODULATING SIGNAL: OFDM  
DETECTOR USED: Peak  
RESOLUTION BANDWIDTH: 1 MHz  
VIDEO BANDWIDTH: 3 MHz  
METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
ANTENNA ASSEMBLY GAIN: 6 dBi  
EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, Mbps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5260	12.73	6.5	BPSK	10.75	13.75	22.05	-8.30	Pass
5260	12.73	65	64QAM	10.47	13.47	22.05	-8.58	Pass
<b>Low channel In Band</b>								
5265	12.90	6.5	BPSK	18.46	21.46	22.11	-0.65	Pass
5265	12.43	65	64QAM	18.06	21.06	21.94	-0.88	Pass
<b>Mid channel</b>								
5300	12.83	6.5	BPSK	18.57	21.57	22.08	-0.51	Pass
5300	12.37	65	64QAM	18.45	21.45	21.92	-0.47	Pass
<b>High channel In Band</b>								
5335	13.70	6.5	BPSK	18.78	21.78	22.37	-0.59	Pass
5335	12.40	65	64QAM	18.67	21.67	21.93	-0.26	Pass
<b>High channel Band Edge</b>								
5340	12.97	6.5	BPSK	11.02	14.02	22.13	-8.11	Pass
5340	12.33	65	64QAM	11.01	14.01	21.91	-7.90	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.



HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b> <b>PASS</b>	
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Table 7.1.21 Conducted output power test results**

OPERATING FREQUENCY RANGE: 5255-5345 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Peak  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER MEASUREMENTS: 1 (channel power across the 26 dB EBW)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	26 dB Bandwidth, MHz	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>								
5255	6.417	3.25	BPSK	4.71	7.71	19.07	-11.36	Pass
5255	6.450	32.5	64QAM	4.83	7.83	19.10	-11.27	Pass
<b>Low channel In Band</b>								
5260	6.817	3.25	BPSK	14.61	17.61	19.34	-1.73	Pass
5260	6.300	32.5	64QAM	14.85	17.85	18.99	-1.14	Pass
<b>Mid channel</b>								
5300	6.767	3.25	BPSK	15.00	18.00	19.30	-1.30	Pass
5300	6.317	32.5	64QAM	15.58	18.58	19.01	-0.43	Pass
<b>High channel In Band</b>								
5340	6.467	3.25	BPSK	15.91	18.91	19.11	-0.20	Pass
5340	6.533	32.5	64QAM	15.69	18.69	19.15	-0.46	Pass
<b>High channel Band Edge</b>								
5345	6.550	3.25	BPSK	5.97	8.97	19.16	-10.19	Pass
5345	6.500	32.5	64QAM	6.38	9.38	19.13	-9.75	Pass

\* - The total peak output power = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total output power – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437			
---------	---------	---------	---------	--	--	--

Full description is given in Appendix A.



HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Table 7.1.22 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 40 MHz

Frequency, MHz	Bit Rate, Mbps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5275	27	BPSK	-9.02	-6.02	11.00	-17.02	Pass
5275	270	64QAM	-9.35	-6.35	11.00	-17.35	Pass
<b>Low channel In Band</b>							
5285	27	BPSK	-0.63	2.37	11.00	-8.63	Pass
5285	270	64QAM	-0.66	2.34	11.00	-8.66	Pass
<b>Mid channel</b>							
5300	27	BPSK	-0.76	2.24	11.00	-8.76	Pass
5300	270	64QAM	-0.48	2.52	11.00	-8.48	Pass
<b>High channel In-Band</b>							
5315	27	BPSK	-1.22	1.78	11.00	-9.22	Pass
5315	270	64QAM	-0.77	2.23	11.00	-8.77	Pass
<b>High channel Band Edge</b>							
5325	27	BPSK	-8.64	-5.64	11.00	-16.64	Pass
5325	270	64QAM	-8.36	-5.36	11.00	-16.36	Pass

\*- The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.  
 \*\* - Margin = Total peak power density – specification limit.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Table 7.1.23 Peak power spectral density test results

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	Bit Rate, Mbps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5265	13	BPSK	-7.41	-4.41	11.00	-15.41	Pass
5265	130	64QAM	-6.92	-3.92	11.00	-14.92	Pass
<b>Low channel In Band</b>							
5275	13	BPSK	2.30	5.30	11.00	-5.70	Pass
5275	130	64QAM	1.87	4.87	11.00	-6.13	Pass
<b>Mid channel</b>							
5300	13	BPSK	2.26	5.26	11.00	-5.74	Pass
5300	130	64QAM	2.56	5.56	11.00	-5.44	Pass
<b>High channel In Band</b>							
5325	13	BPSK	2.58	5.58	11.00	-5.42	Pass
5325	130	64QAM	2.63	5.63	11.00	-5.37	Pass
<b>High channel Band Edge</b>							
5335	13	BPSK	-6.18	-3.18	11.00	-14.18	Pass
5335	130	64QAM	-6.10	-3.10	11.00	-14.10	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power density – specification limit.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b> <b>PASS</b>	
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Table 7.1.24 Peak power spectral density test results

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5260	6.5	BPSK	-4.70	-1.70	11.00	-12.70	Pass
5260	65	64QAM	-4.96	-1.96	11.00	-12.96	Pass
<b>Low channel In Band</b>							
5265	6.5	BPSK	3.26	6.26	11.00	-4.74	Pass
5265	65	64QAM	3.20	6.20	11.00	-4.80	Pass
<b>Mid channel</b>							
5300	6.5	BPSK	3.31	6.31	11.00	-4.69	Pass
5300	65	64QAM	3.32	6.32	11.00	-4.68	Pass
<b>High channel In Band</b>							
5335	6.5	BPSK	3.78	6.78	11.00	-4.22	Pass
5335	65	64QAM	3.98	6.98	11.00	-4.02	Pass
<b>High channel Band Edge</b>							
5340	6.5	BPSK	-3.92	-0.92	11.00	-11.92	Pass
5340	65	64QAM	-4.18	-1.18	11.00	-12.18	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.

\*\* - Margin = Total peak power spectral density – specification limit.



<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>			
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b>		Compliance		<b>Verdict:</b> PASS	
<b>Date:</b>		12/14/2009			
<b>Temperature:</b> 23 °C		<b>Air Pressure:</b> 1013 hPa		<b>Relative Humidity:</b> 43 %	
				<b>Power Supply:</b> 120 VAC	
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain					

**Table 7.1.25 Peak power spectral density test results**

OPERATING FREQUENCY RANGE: 5255-5345 MHz  
 MODULATING SIGNAL: OFDM  
 DETECTOR USED: Sample  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 METHOD OF POWER DENSITY MEASUREMENTS: 2 (Sample detector and 100 power averaging)  
 ANTENNA ASSEMBLY GAIN: 6 dBi  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	Bit Rate, MBps	Modulation	Peak power spectral density				Verdict
			Measured, dBm	Total peak power spectral density, dBm*	Limit, dBm	Margin, dB**	
<b>Low channel Band Edge</b>							
5255	3.25	BPSK	-6.89	-3.89	11.00	-14.89	Pass
5255	32.5	64QAM	-6.74	-3.74	11.00	-14.74	Pass
<b>Low channel In Band</b>							
5260	3.25	BPSK	2.72	5.72	11.00	-5.28	Pass
5260	32.5	64QAM	2.41	5.41	11.00	-5.59	Pass
<b>Mid channel</b>							
5300	3.25	BPSK	2.81	5.81	11.00	-5.19	Pass
5300	32.5	64QAM	3.45	6.45	11.00	-4.55	Pass
<b>High channel In Band</b>							
5340	3.25	BPSK	3.03	6.03	11.00	-4.97	Pass
5340	32.5	64QAM	2.98	5.98	11.00	-5.02	Pass
<b>High channel Band Edge</b>							
5345	3.25	BPSK	-6.63	-3.63	11.00	-14.63	Pass
5345	32.5	64QAM	-5.94	-2.94	11.00	-13.94	Pass

\* - The total peak power spectral density = Measured + 3 dB. Both of antenna outputs are equal and transmit the same data.  
 \*\* - Margin = Total peak power density – specification limit.

**Reference numbers of test equipment used**

HL 2909	HL 2952	HL 3435	HL 3437			
---------	---------	---------	---------	--	--	--

Full description is given in Appendix A.

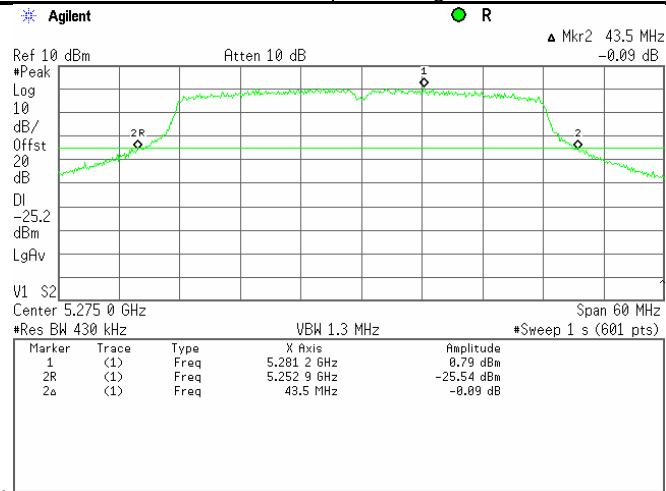


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

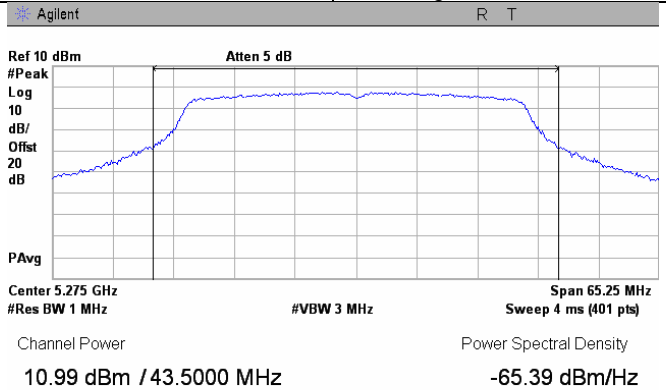
Plot 7.1.133 The 26 dB emission bandwidth

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.134 Peak output power

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



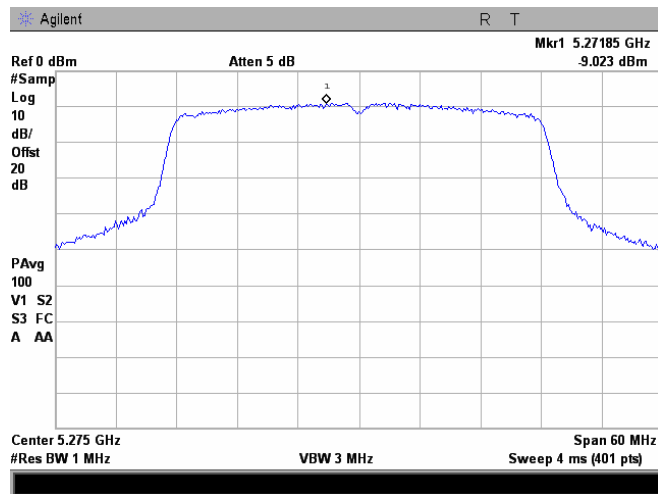


HERMON LABORATORIES

<b>Test specification:</b>	<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Relative Humidity:</b>	43 %
<b>Temperature:</b>	23 °C	<b>Air Pressure:</b>	1013 hPa
<b>Remarks:</b>	EUT with 6 dBi antenna assembly gain	<b>Power Supply:</b>	120 VAC

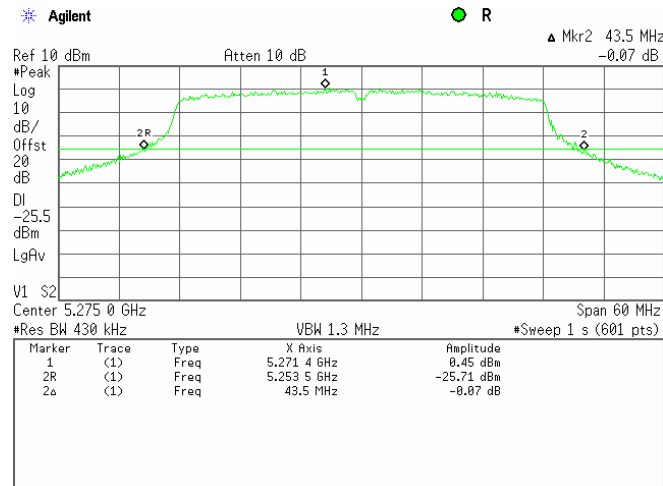
Plot 7.1.135 Peak spectral power density

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.136 The 26 dB emission bandwidth

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge





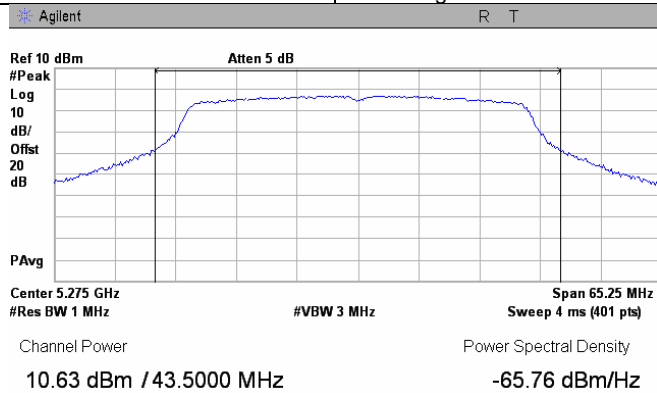


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

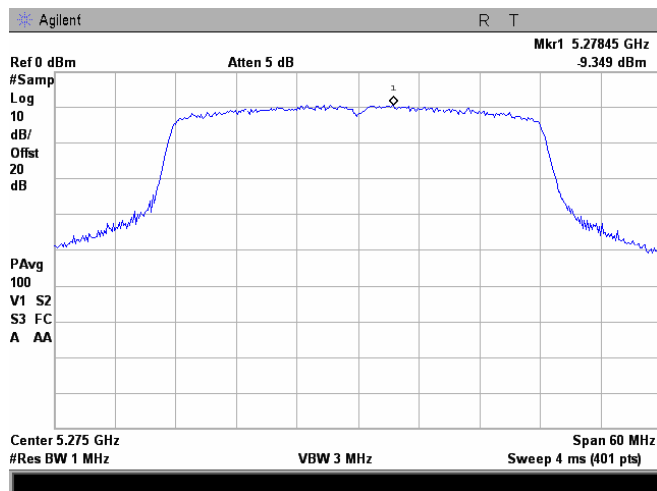
Plot 7.1.137 Peak output power

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.138 Peak spectral power density

Frequency:	5275 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



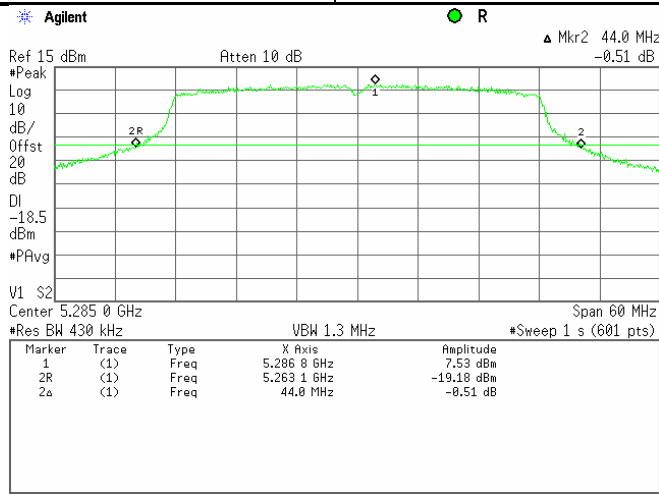


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

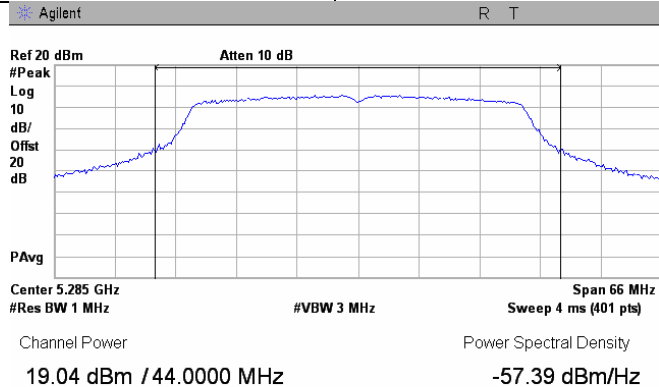
Plot 7.1.139 The 26 dB emission bandwidth

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.140 Peak output power

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



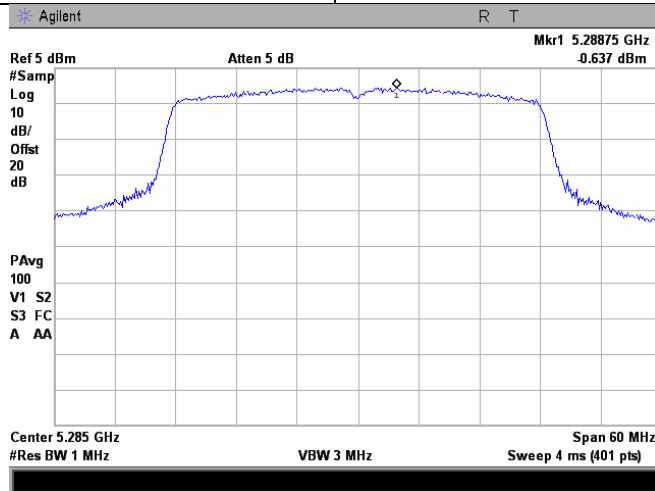


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

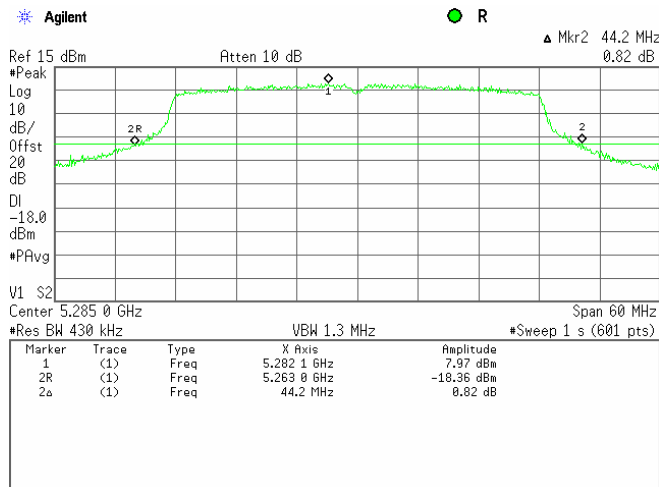
Plot 7.1.141 Peak spectral power density

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



lot 7.1.142 The 26 dB emission bandwidth

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



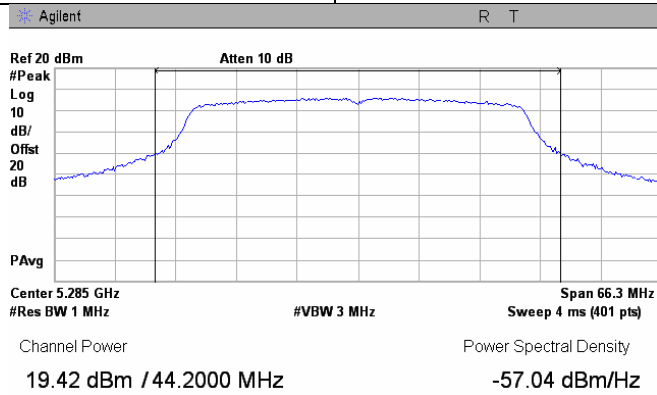


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

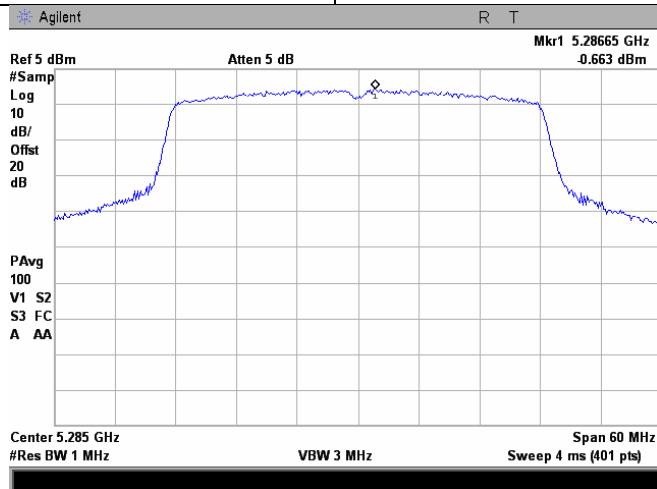
Plot 7.1.143 Peak output power

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



Plot 7.1.144 Peak spectral power density

Frequency:	5285 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band

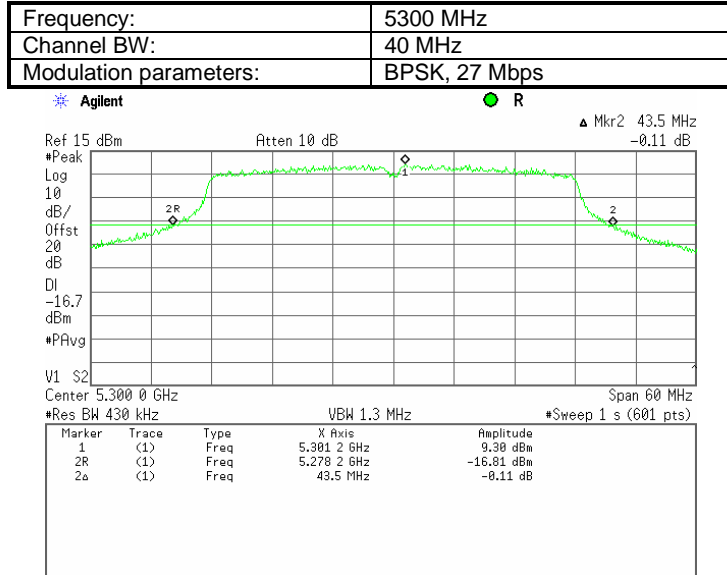




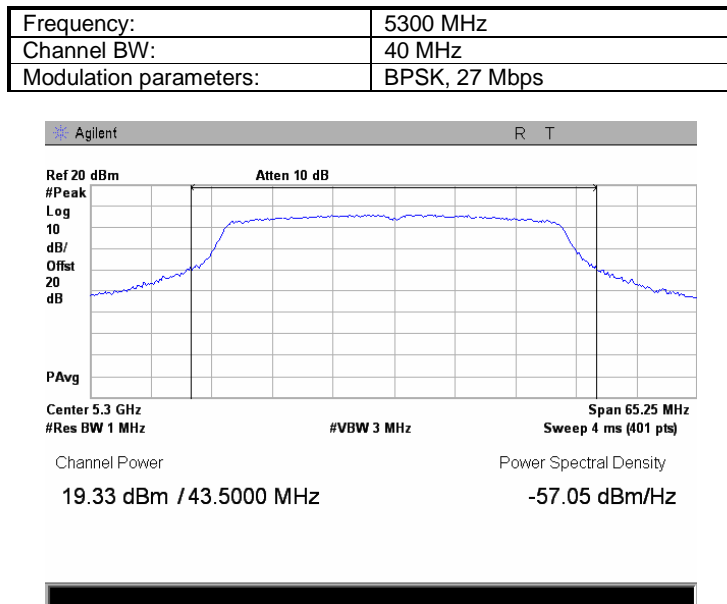
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Date:</b>		<b>Verdict:</b> <b>PASS</b>	
<b>Temperature:</b> 23 °C		<b>Air Pressure:</b> 1013 hPa	
<b>Relative Humidity:</b> 43 %		<b>Power Supply:</b> 120 VAC	
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.145 The 26 dB emission bandwidth



Plot 7.1.146 Peak output power

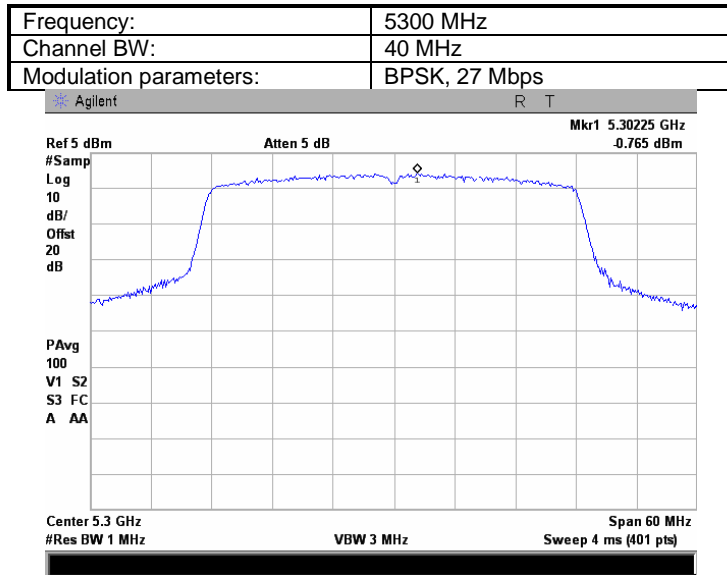




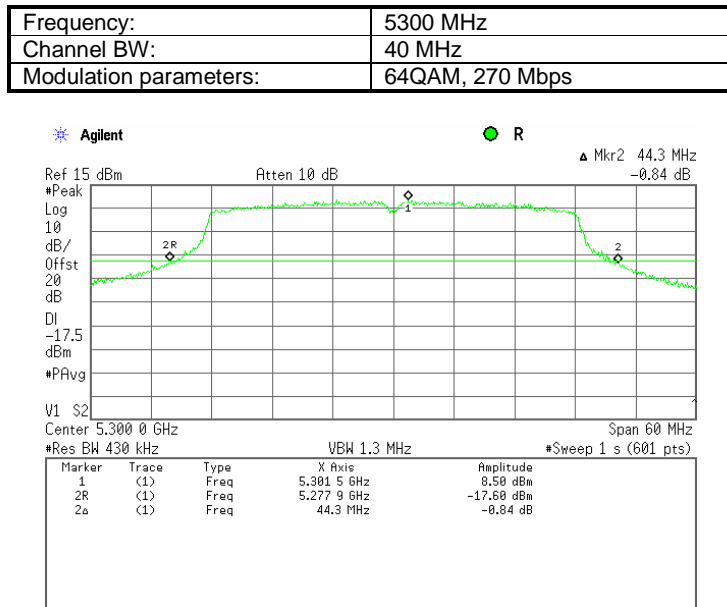
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.147 Peak spectral power density



Plot 7.1.148 The 26 dB emission bandwidth



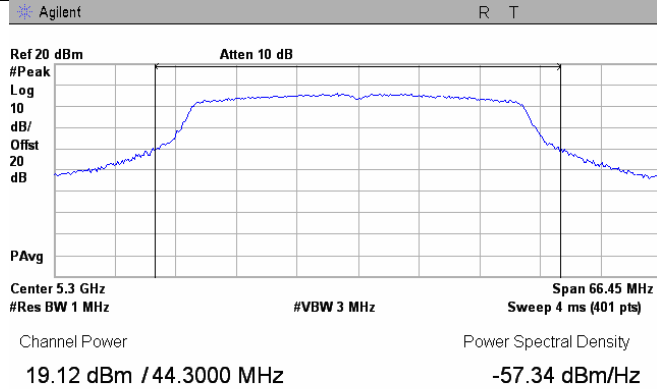


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

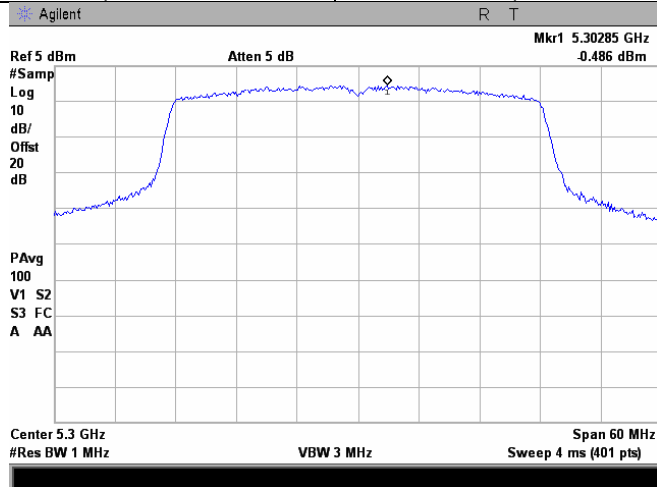
Plot 7.1.149 Peak output power

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.150 Peak spectral power density

Frequency:	5300 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



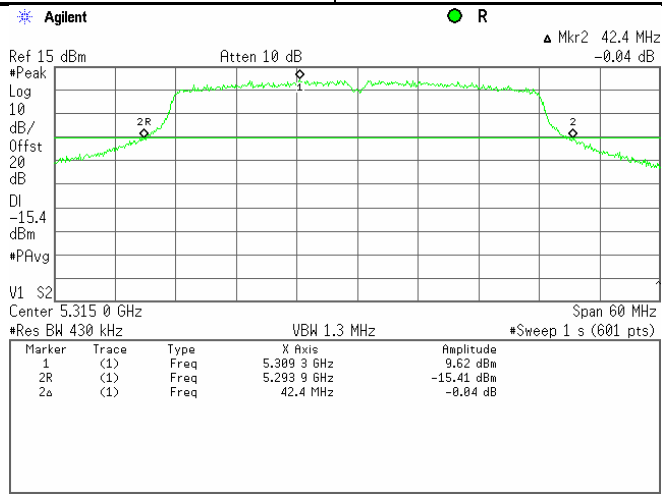


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

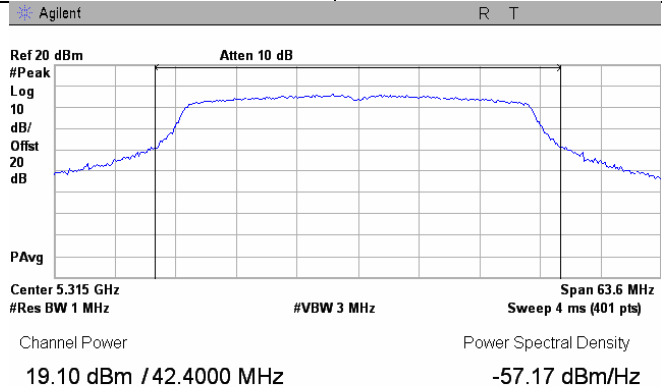
Plot 7.1.151 The 26 dB emission bandwidth

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.152 Peak output power

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band





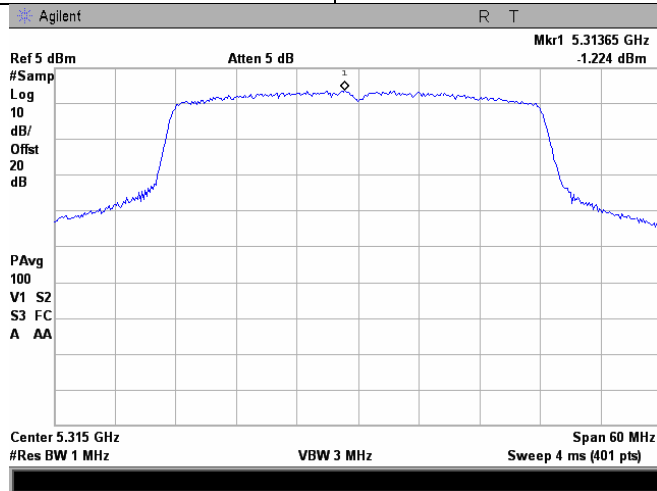


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Date:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Temperature:</b> 23 °C	12/14/2009	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Air Pressure:</b> 1013 hPa			
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

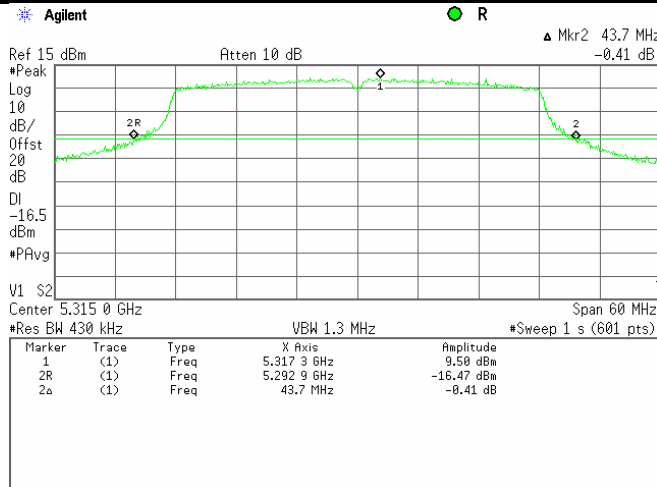
Plot 7.1.153 Peak spectral power density

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	In-Band



Plot 7.1.154 The 26 dB emission bandwidth

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



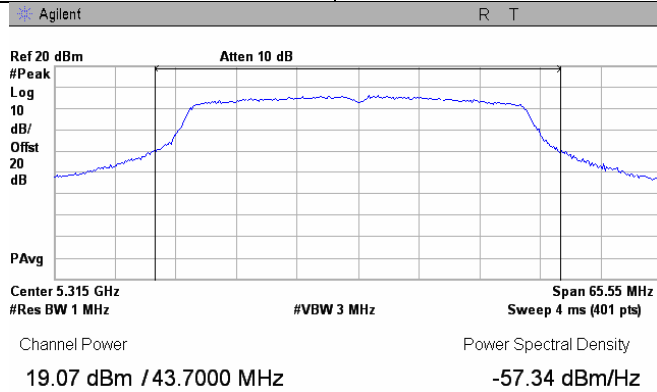


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

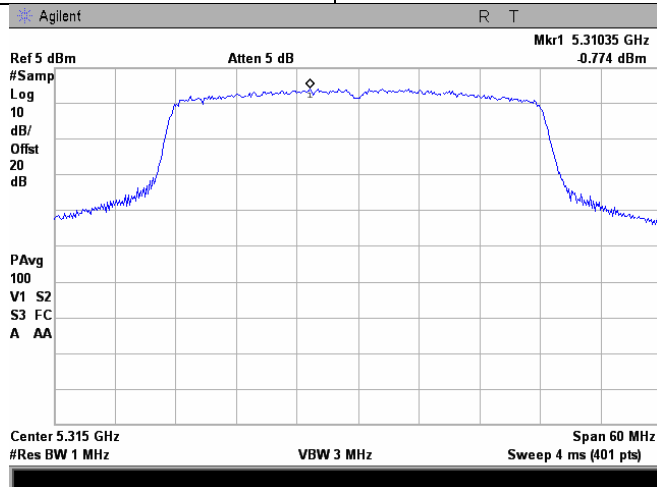
Plot 7.1.155 Peak output power

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



Plot 7.1.156 Peak spectral power density

Frequency:	5315 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	In-Band



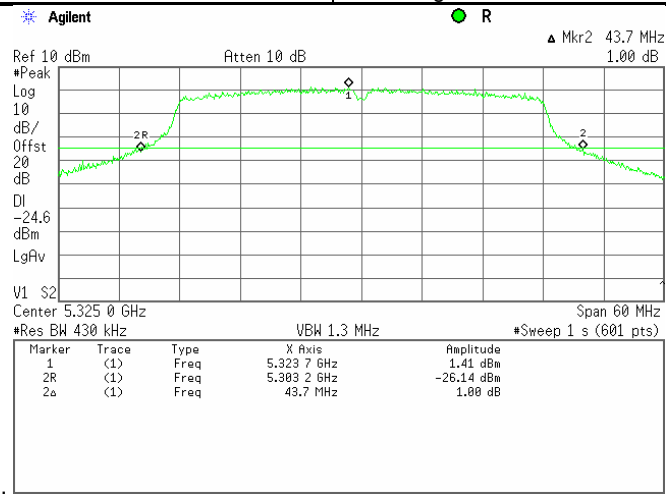


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

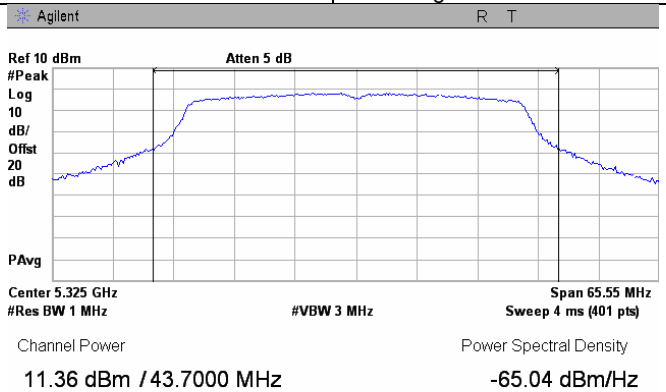
Plot 7.1.157 The 26 dB emission bandwidth

<b>Frequency:</b>	5325 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps
<b>NOTE</b>	Band Edge



Plot 7.1.158 Peak output power

<b>Frequency:</b>	5325 MHz
<b>Channel BW:</b>	40 MHz
<b>Modulation parameters:</b>	BPSK, 27 Mbps
<b>NOTE</b>	Band Edge



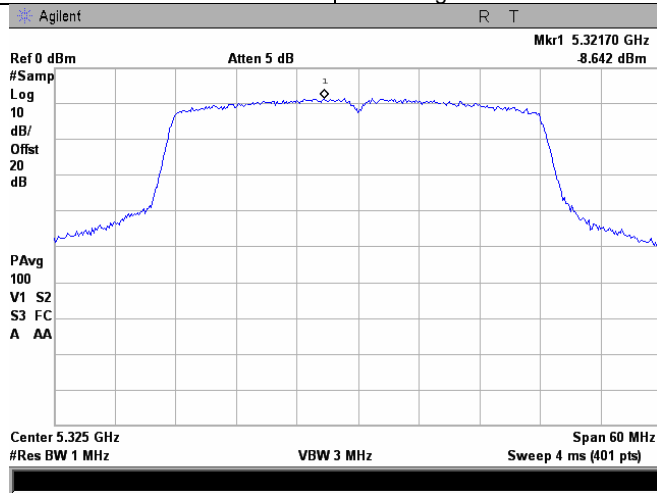


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

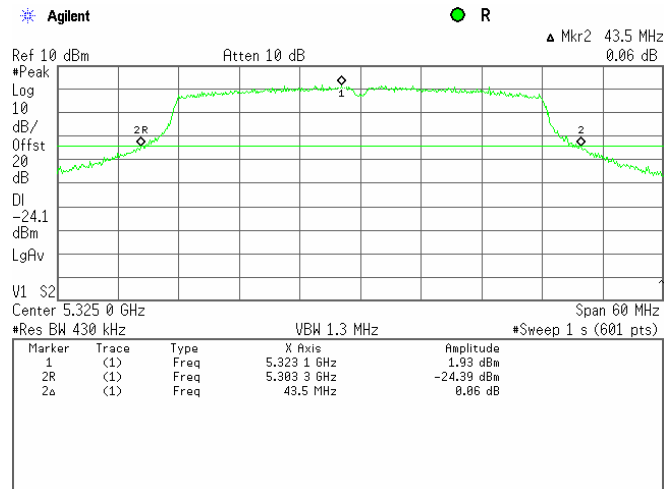
Plot 7.1.159 Peak spectral power density

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.160 The 26 dB emission bandwidth

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



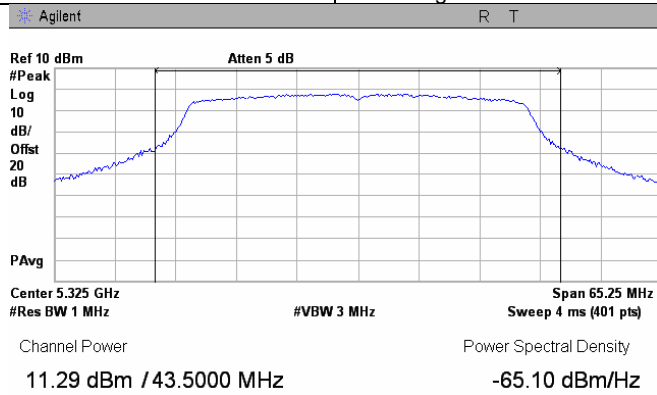


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

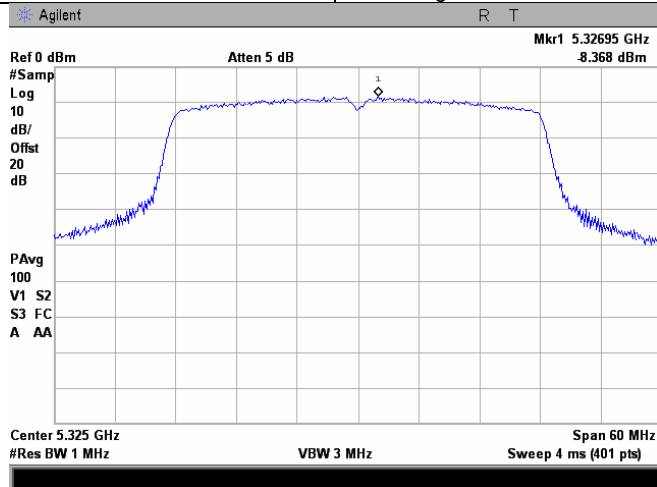
Plot 7.1.161 Peak output power

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.162 Peak spectral power density

Frequency:	5325 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



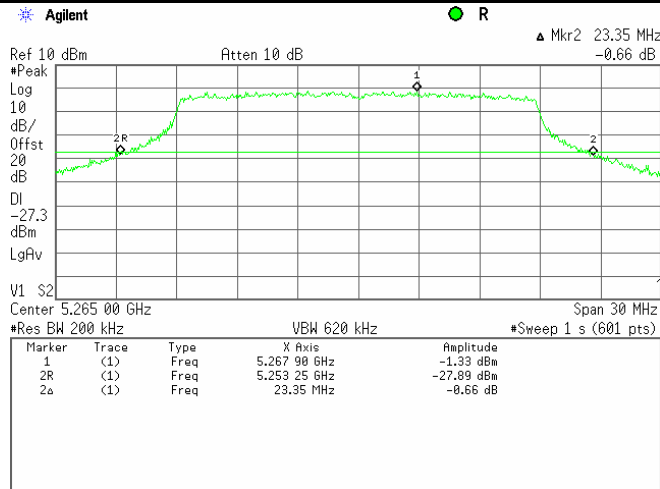


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

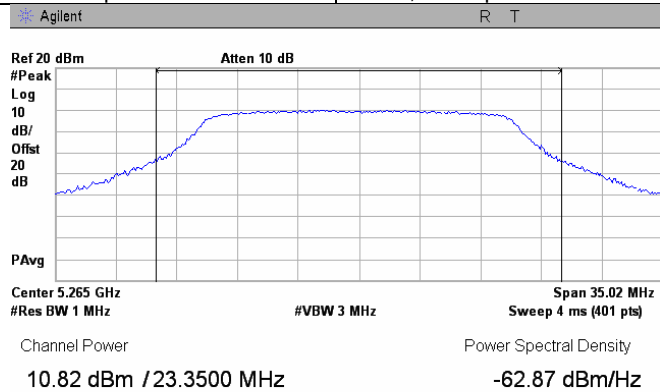
Plot 7.1.163 The 26 dB emission bandwidth

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



Plot 7.1.164 Peak output power

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



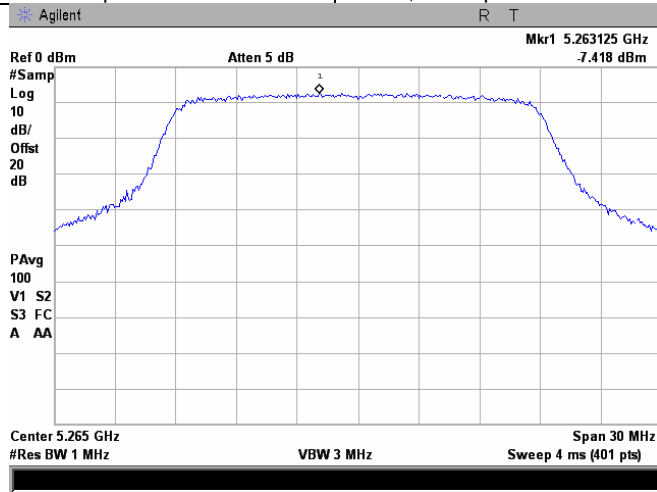


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

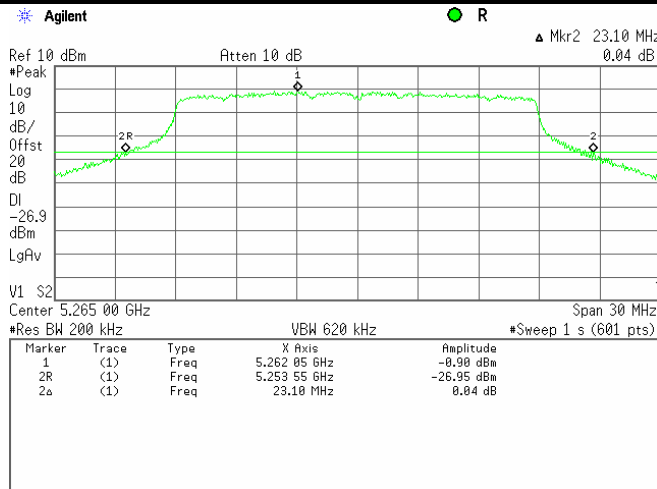
Plot 7.1.165 Peak spectral power density

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



Plot 7.1.166 The 26 dB emission bandwidth

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps



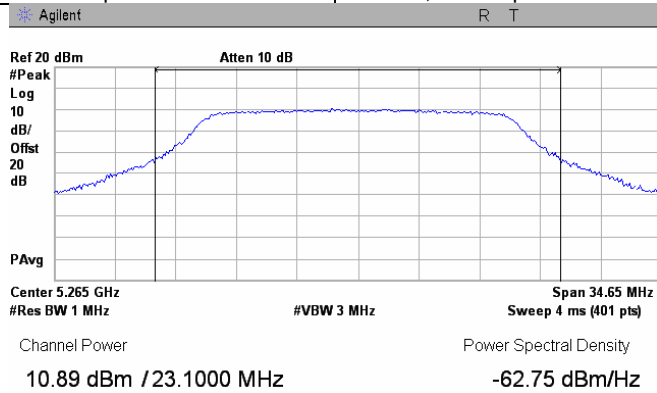


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

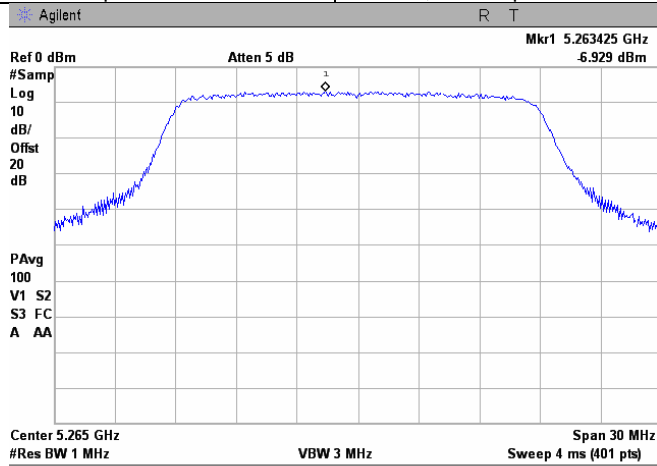
Plot 7.1.167 Peak output power

Frequency:	5265 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



Plot 7.1.168 Peak spectral power density

Frequency:	5265 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



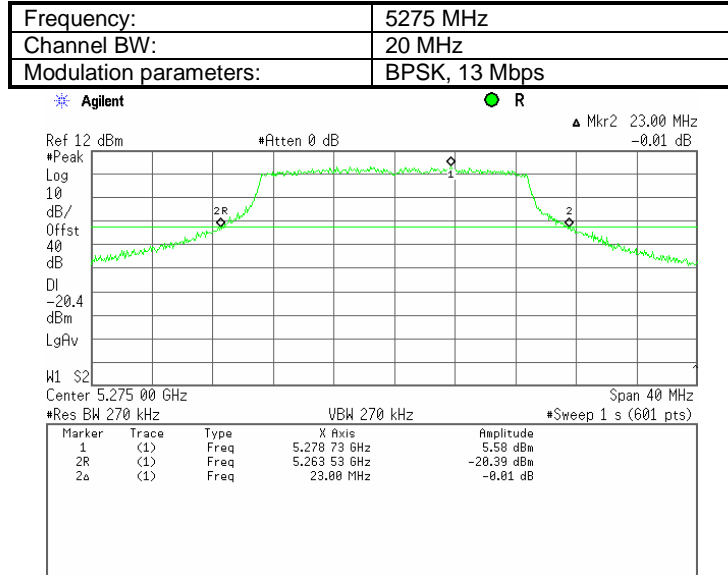




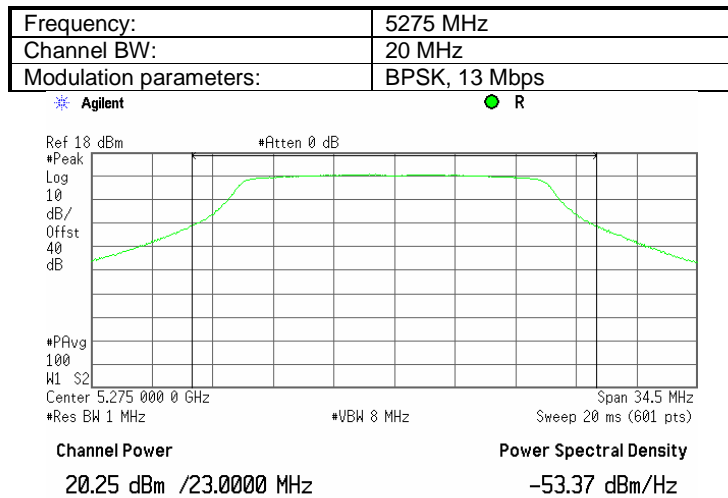
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.169 The 26 dB emission bandwidth



Plot 7.1.170 Peak output power

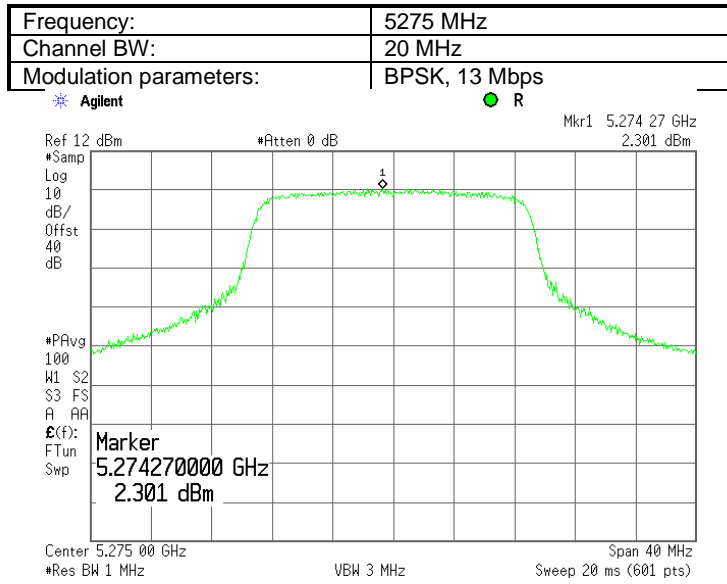




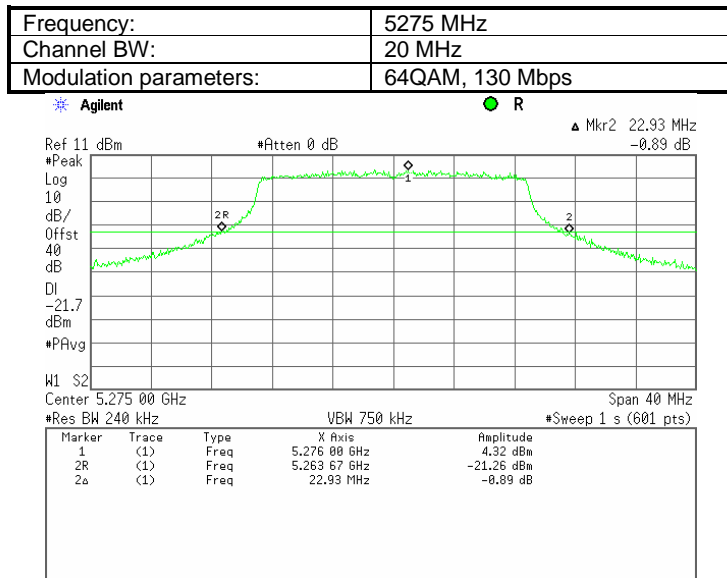
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.171 Peak spectral power density



Plot 7.1.172 The 26 dB emission bandwidth





HERMON LABORATORIES

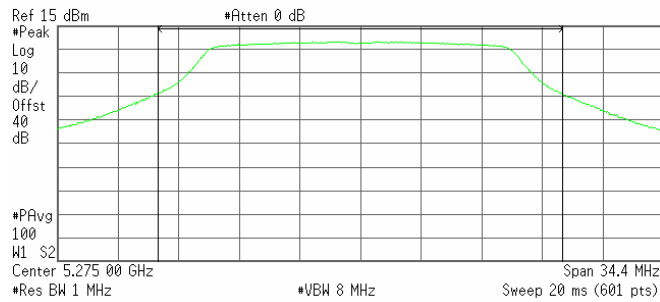
<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.173 Peak output power

<b>Frequency:</b>	5275 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps

\* Agilent

R



Channel Power

19.65 dBm /22.9300 MHz

Power Spectral Density

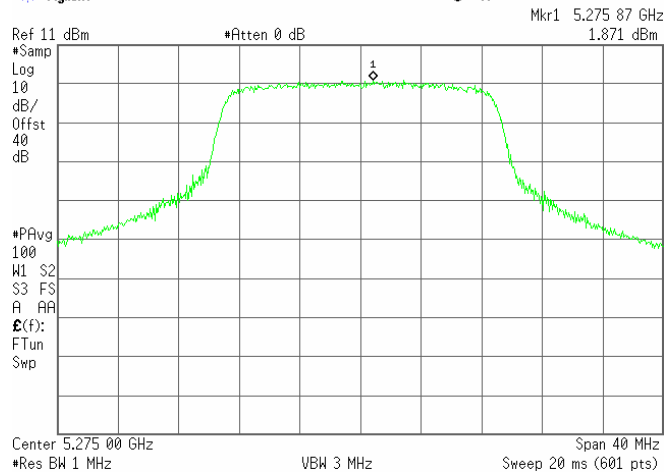
-53.95 dBm/Hz

Plot 7.1.174 Peak spectral power density

<b>Frequency:</b>	5275 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps

\* Agilent

R

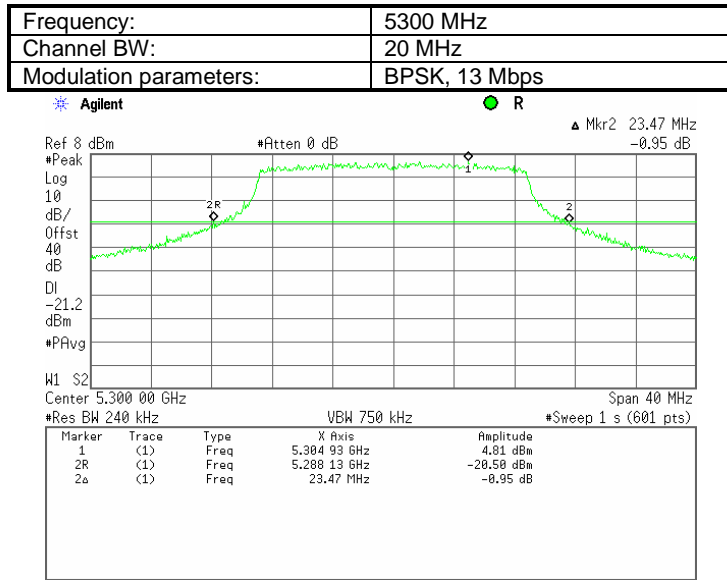




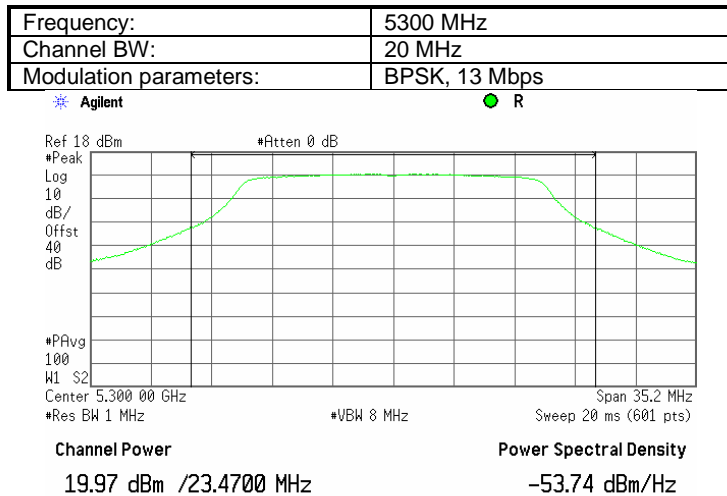
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.175 The 26 dB emission bandwidth



Plot 7.1.176 Peak output power

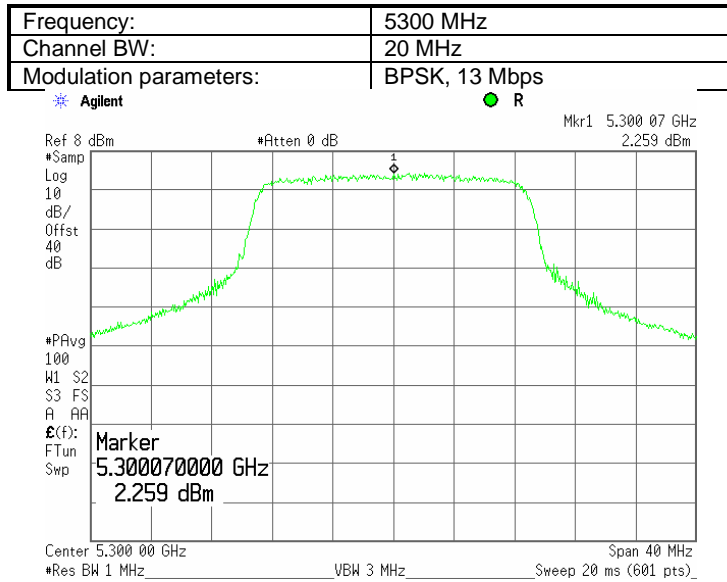




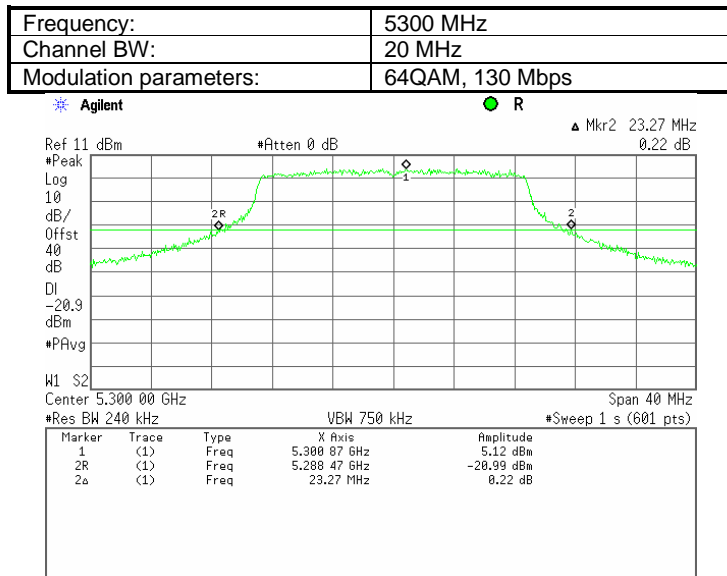
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.177 Peak spectral power density



Plot 7.1.178 The 26 dB emission bandwidth





HERMON LABORATORIES

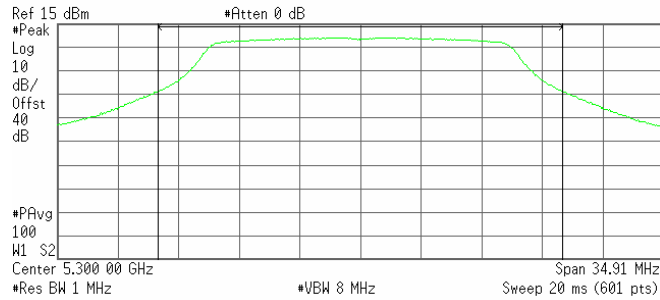
<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.179 Peak output power

<b>Frequency:</b>	5300 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps

\* Agilent

R



Channel Power

20.54 dBm /23.2700 MHz

Power Spectral Density

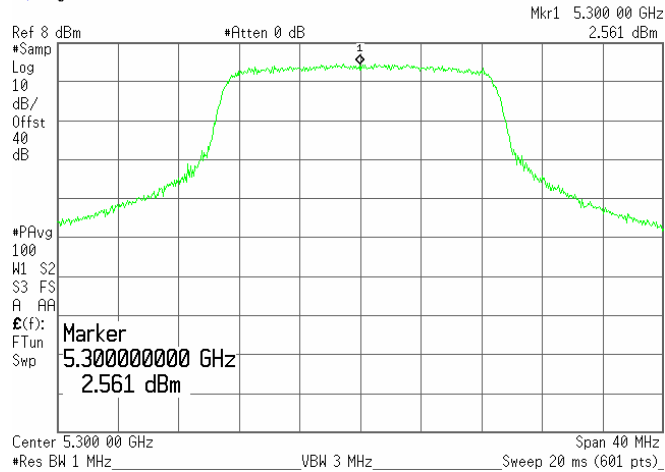
-53.13 dBm/Hz

Plot 7.1.180 Peak spectral power density

<b>Frequency:</b>	5300 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps

\* Agilent

R



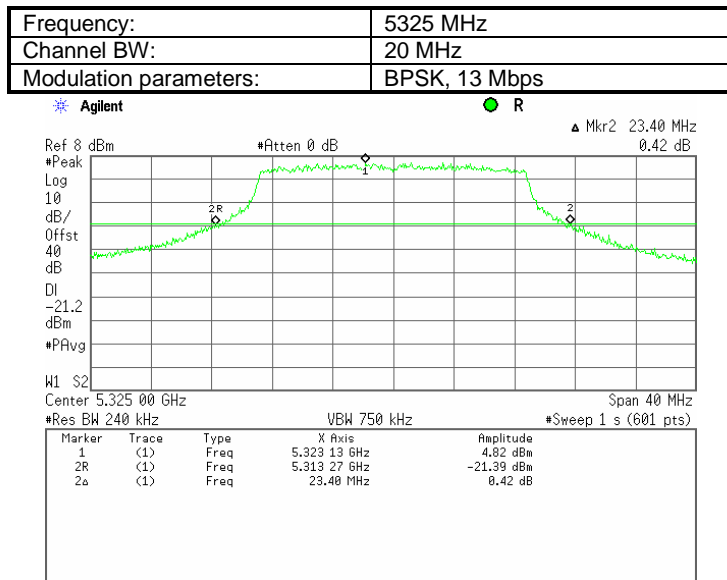
Marker  
5.30000000 GHz  
2.561 dBm



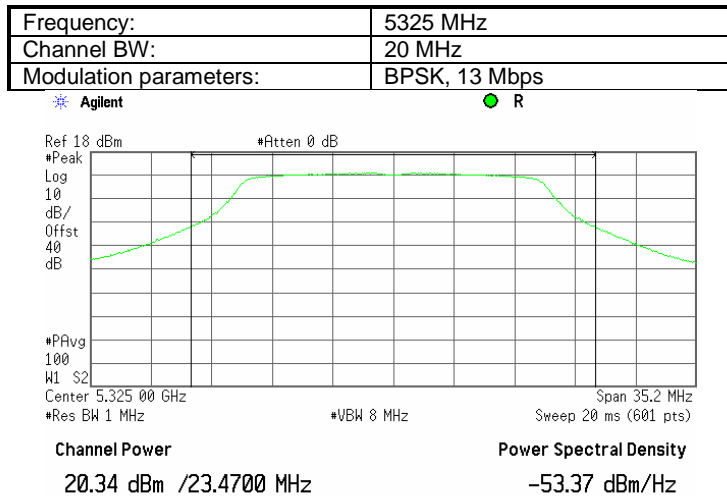
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.181 The 26 dB emission bandwidth



Plot 7.1.182 Peak output power

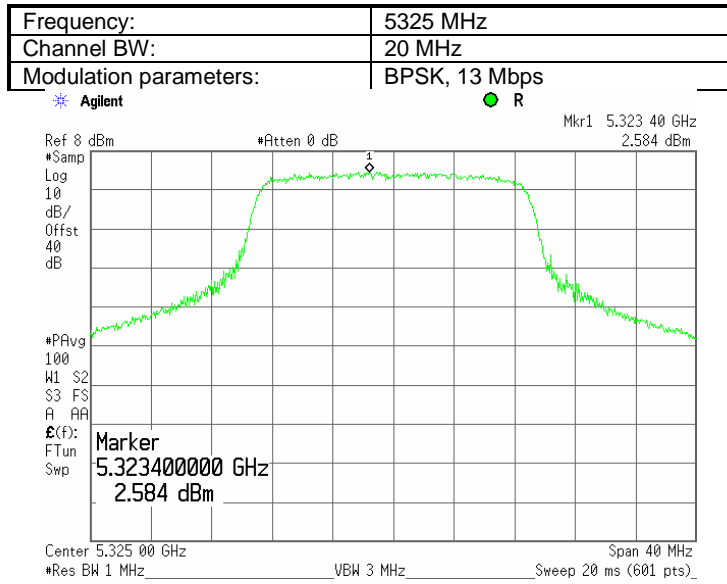




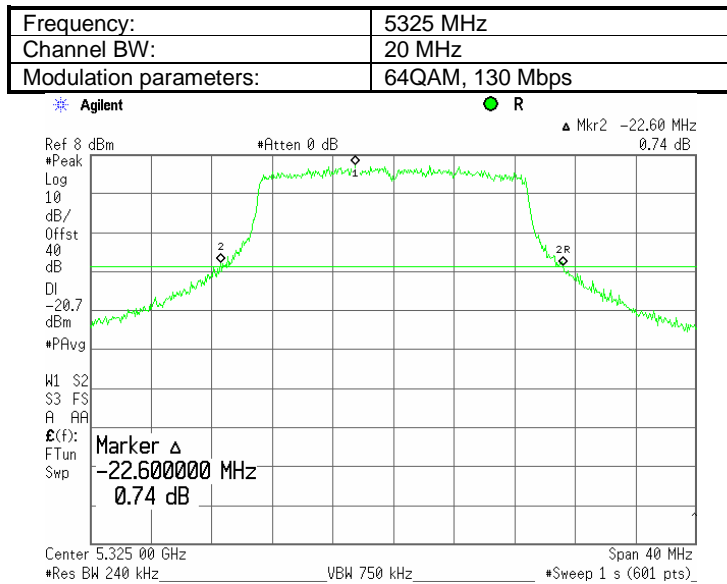
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.183 Peak spectral power density



Plot 7.1.184 The 26 dB emission bandwidth



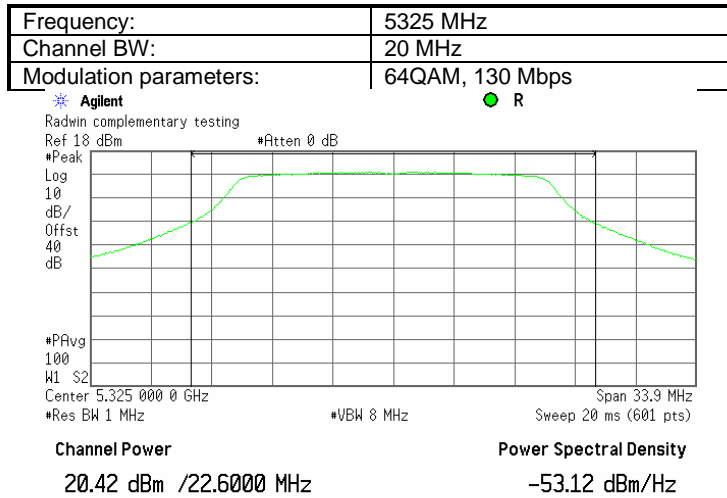




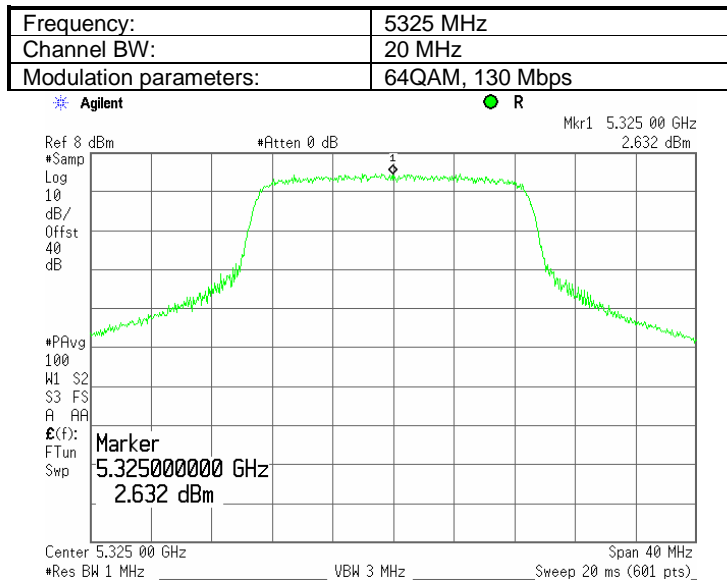
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.185 Peak output power



Plot 7.1.186 Peak spectral power density

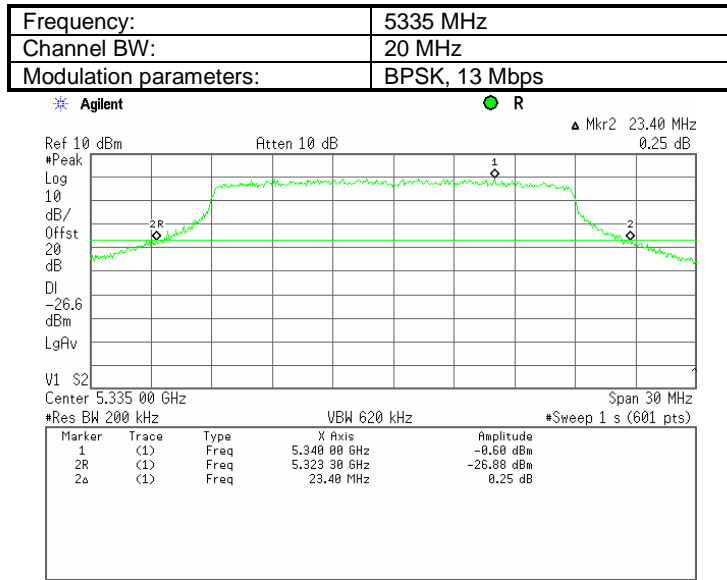




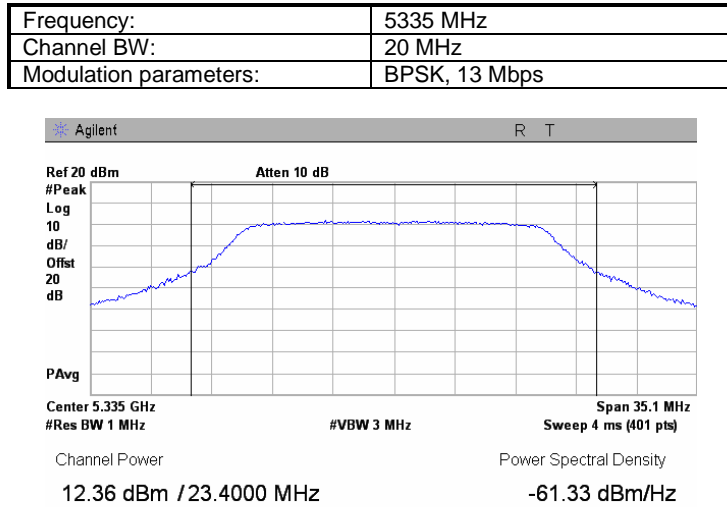
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.187 The 26 dB emission bandwidth



Plot 7.1.188 Peak output power



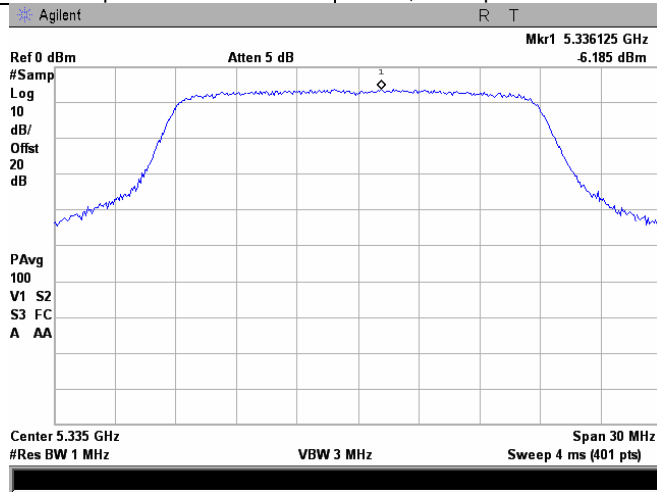


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

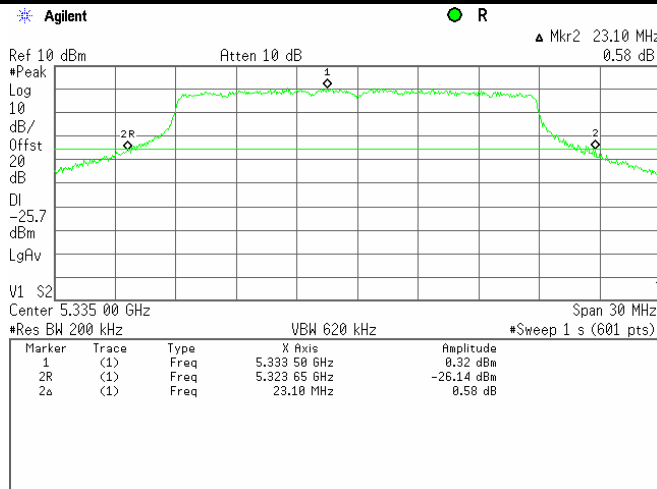
Plot 7.1.189 Peak spectral power density

<b>Frequency:</b>	5335 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	BPSK, 13 Mbps



Plot 7.1.190 The 26 dB emission bandwidth

<b>Frequency:</b>	5335 MHz
<b>Channel BW:</b>	20 MHz
<b>Modulation parameters:</b>	64QAM, 130 Mbps



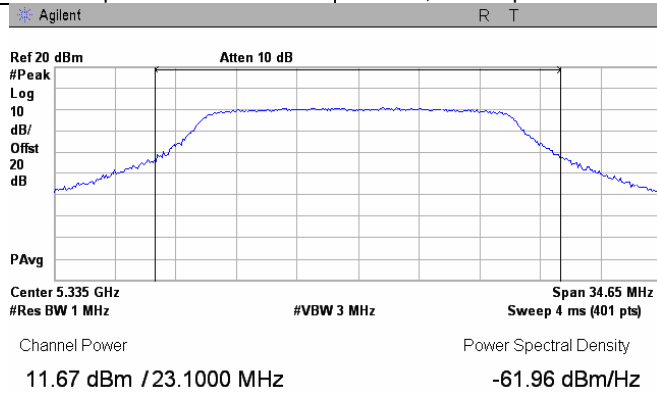


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

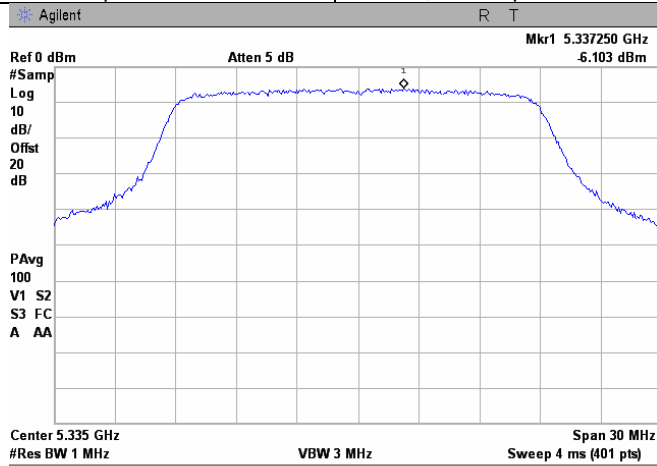
Plot 7.1.191 Peak output power

Frequency:	5335 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps



Plot 7.1.192 Peak spectral power density

Frequency:	5335 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps

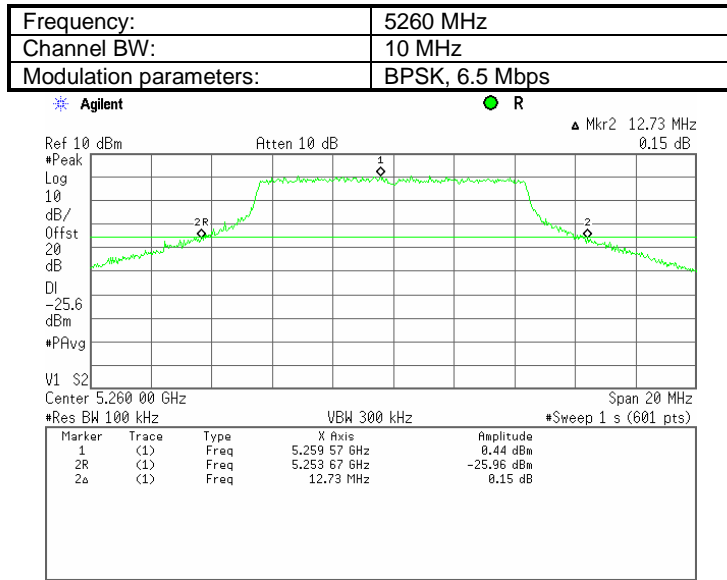




HERMON LABORATORIES

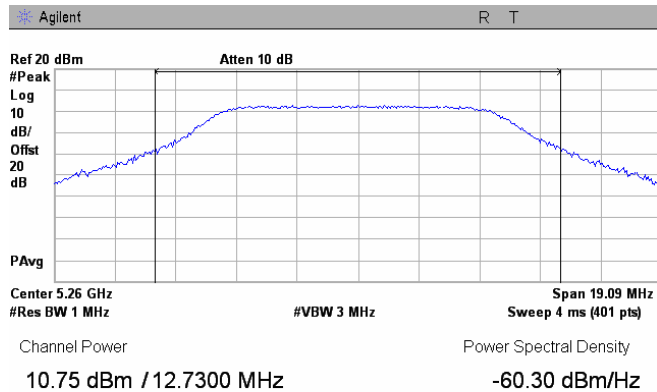
<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.193 The 26 dB emission bandwidth



Plot 7.1.194 Peak output power

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps

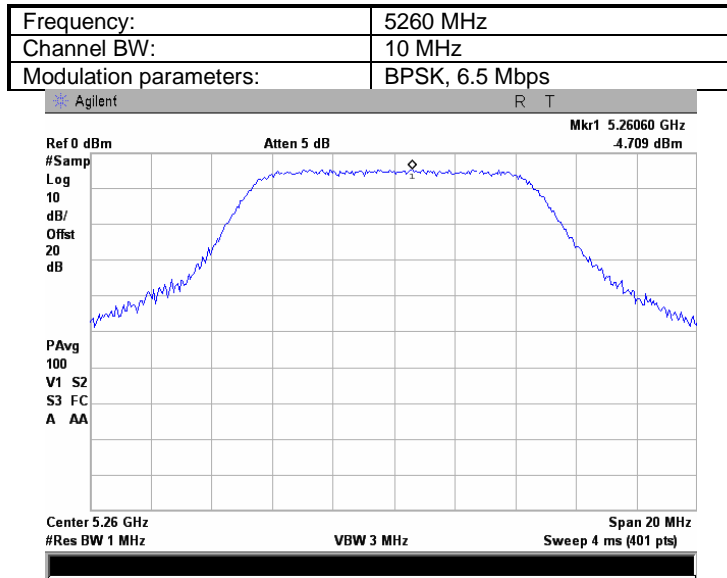




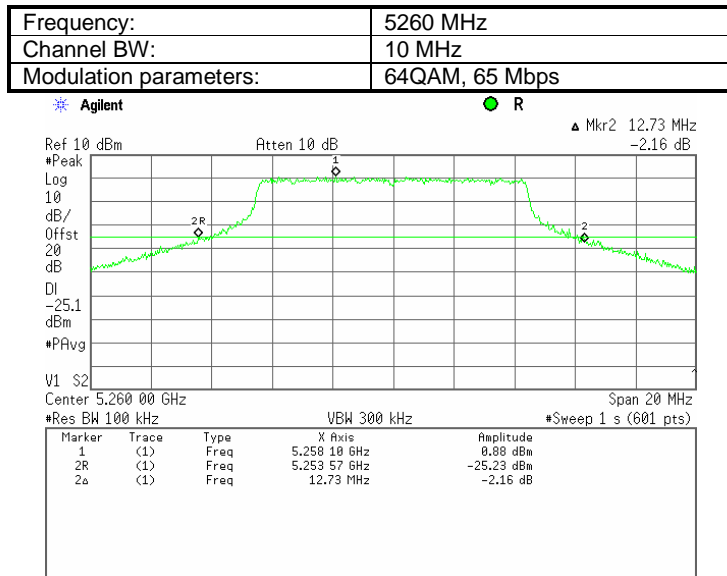
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.195 Peak spectral power density



Plot 7.1.196 The 26 dB emission bandwidth



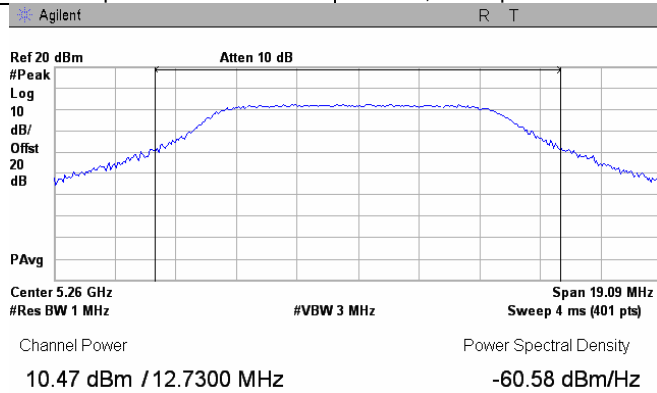


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2		<b>Peak output power and peak power spectral density</b>	
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

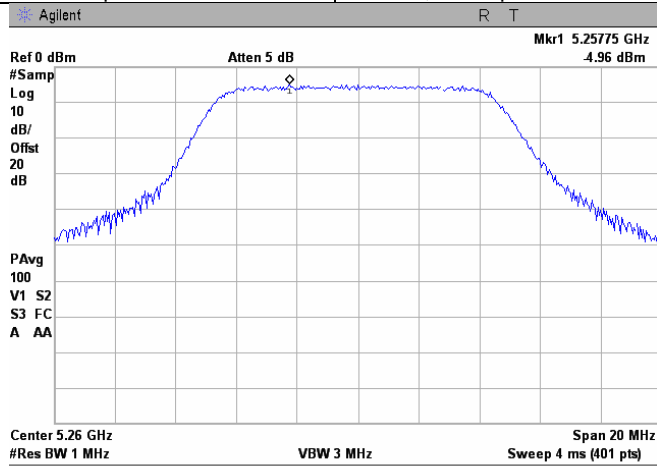
Plot 7.1.197 Peak output power

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.198 Peak spectral power density

Frequency:	5260 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps

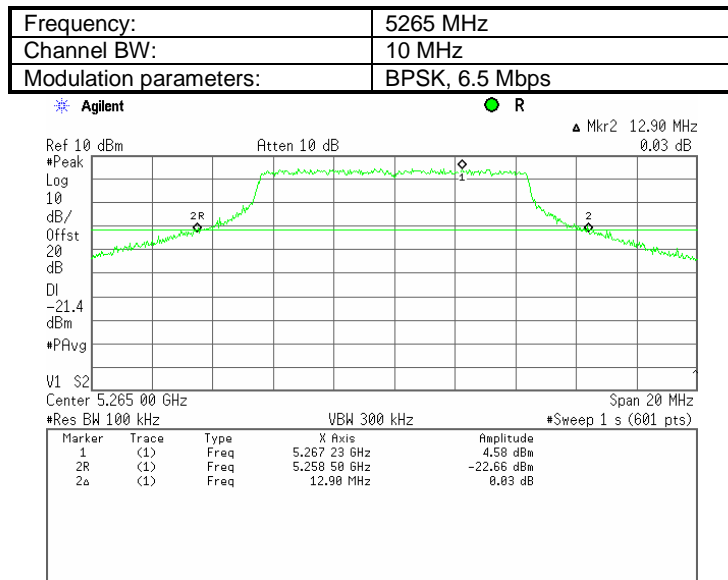




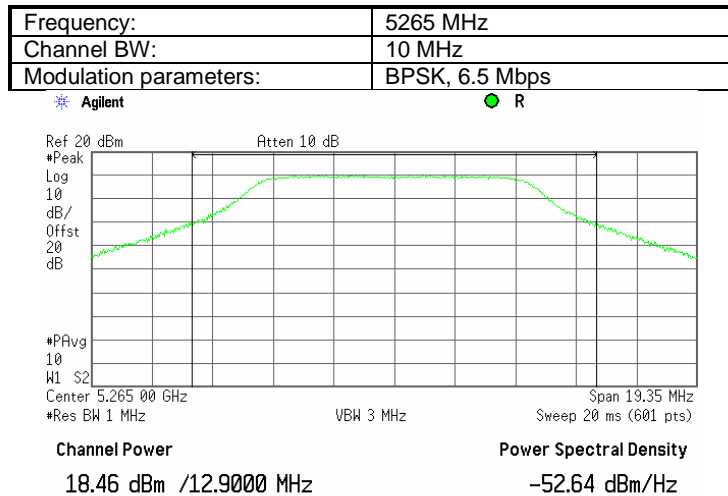
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.199 The 26 dB emission bandwidth



Plot 7.1.200 Peak output power



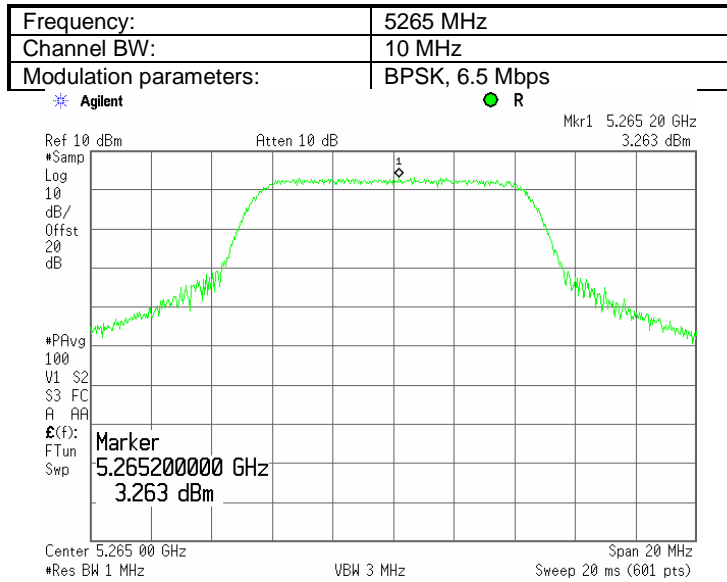




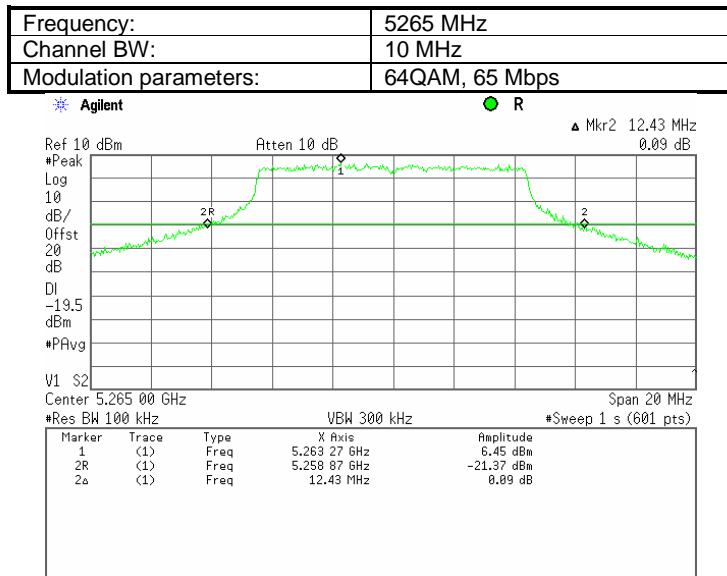
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.201 Peak spectral power density



Plot 7.1.202 The 26 dB emission bandwidth





HERMON LABORATORIES

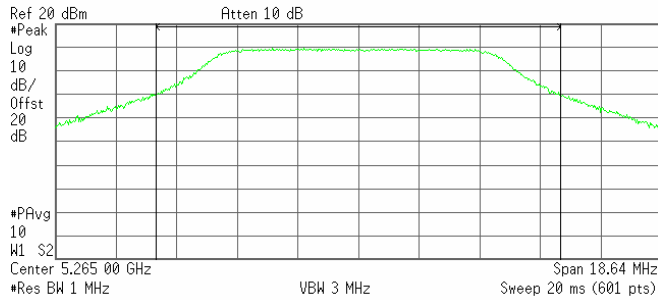
<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Date:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Temperature:</b> 23 °C	12/14/2009	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Air Pressure:</b> 1013 hPa			
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.203 Peak output power

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	64QAM, 65 Mbps

Agilent

R



Channel Power

18.06 dBm /12.4300 MHz

Power Spectral Density

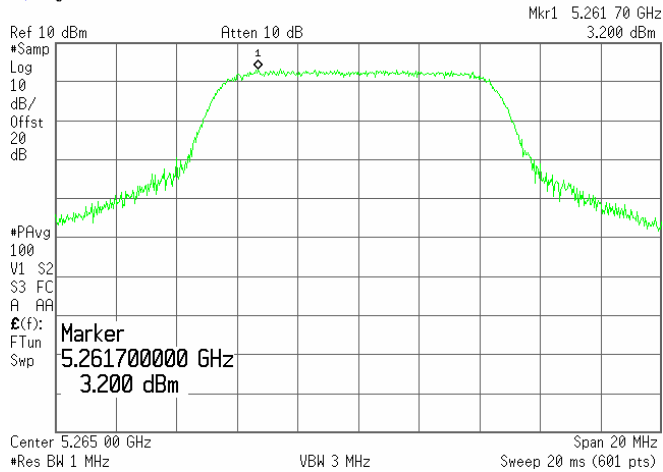
-52.89 dBm/Hz

Plot 7.1.204 Peak spectral power density

<b>Frequency:</b>	5265 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	64QAM, 65 Mbps

Agilent

R



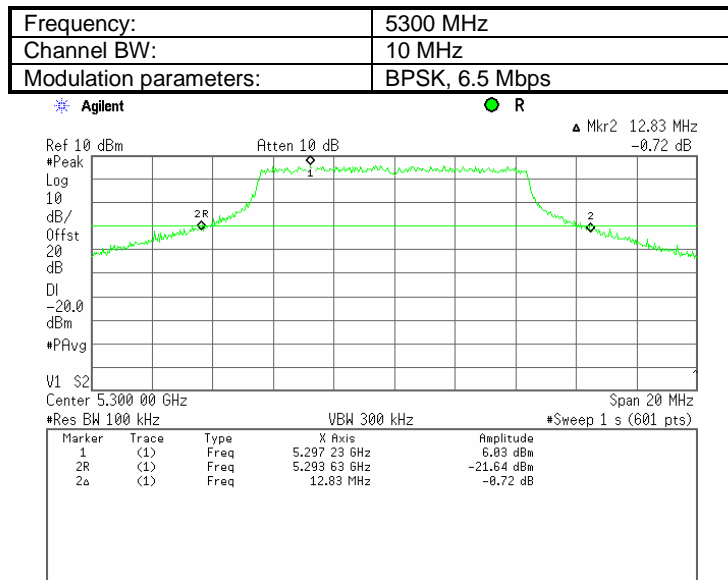
Marker  
 5.261700000 GHz  
 3.200 dBm



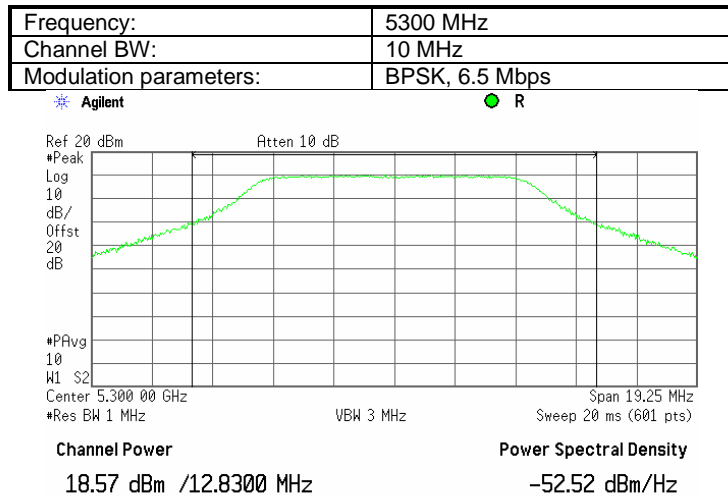
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.205 The 26 dB emission bandwidth



Plot 7.1.206 Peak output power

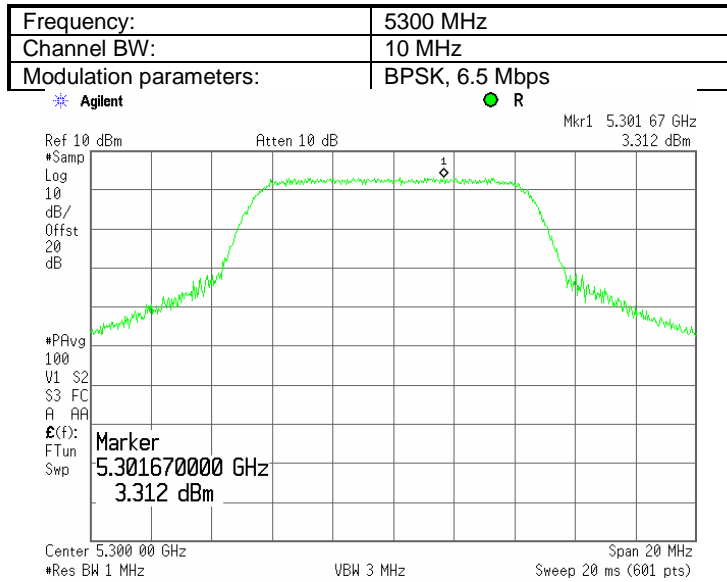




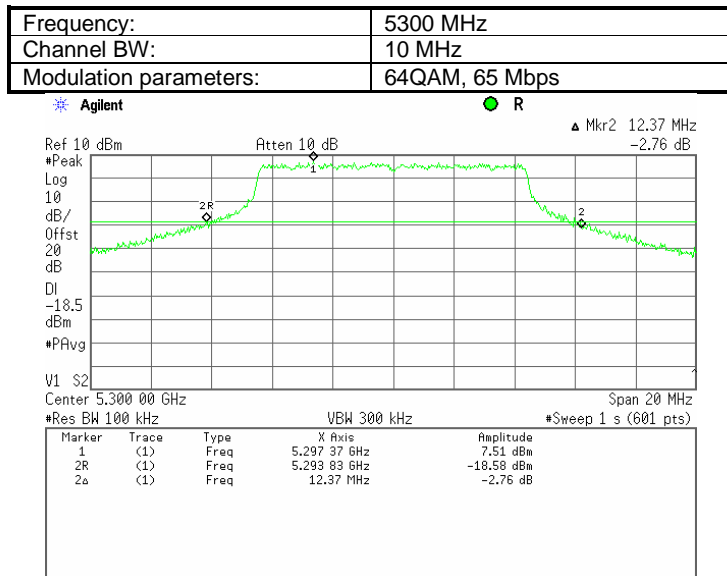
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Relative Humidity:</b>	43 %
<b>Temperature:</b>	23 °C	<b>Air Pressure:</b>	1013 hPa
<b>Remarks:</b>		<b>Power Supply:</b>	120 VAC
EUT with 6 dBi antenna assembly gain			

Plot 7.1.207 Peak spectral power density



Plot 7.1.208 The 26 dB emission bandwidth





HERMON LABORATORIES

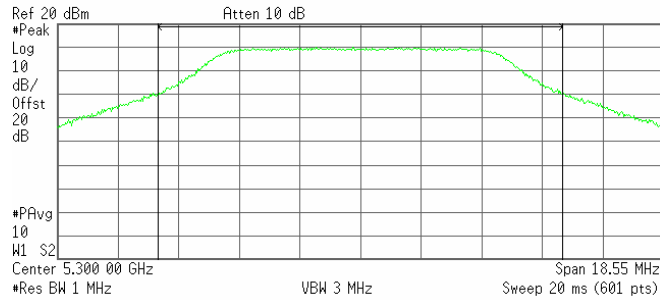
<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.209 Peak output power

<b>Frequency:</b>	5300 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	64QAM, 65 Mbps

\* Agilent

R



Channel Power

18.45 dBm /12.3700 MHz

Power Spectral Density

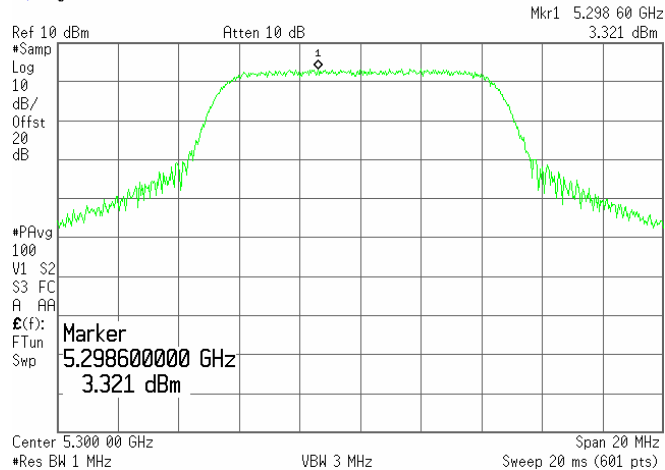
-52.47 dBm/Hz

Plot 7.1.210 Peak spectral power density

<b>Frequency:</b>	5300 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	64QAM, 65 Mbps

\* Agilent

R

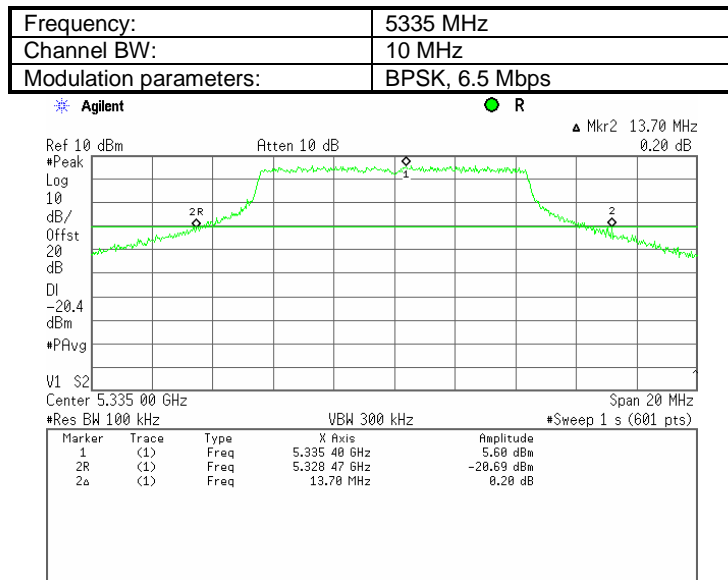




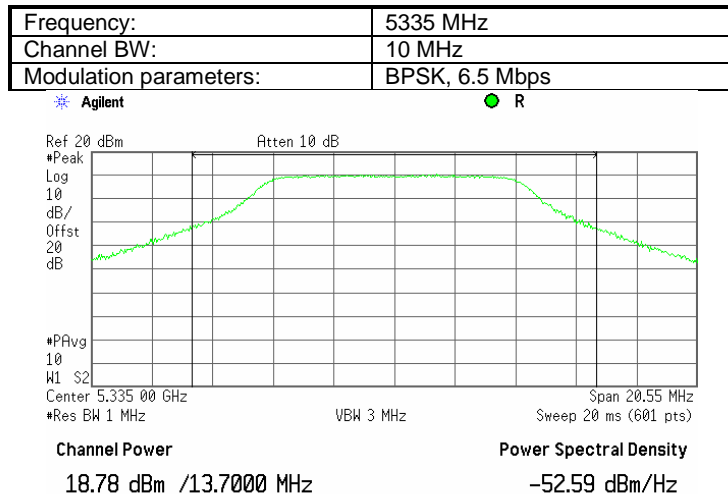
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.211 The 26 dB emission bandwidth



Plot 7.1.212 Peak output power

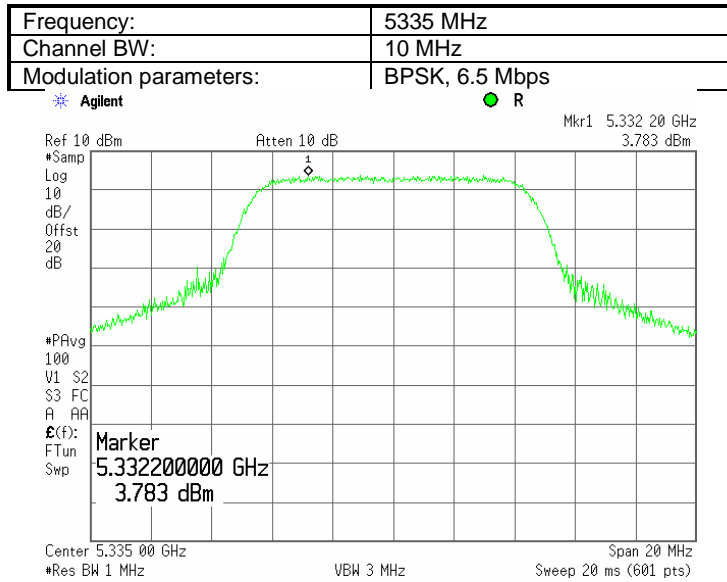




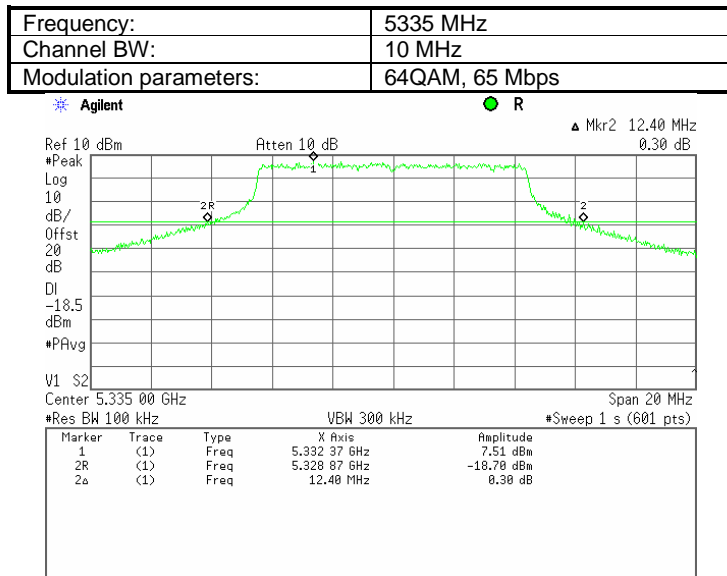
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.213 Peak spectral power density



Plot 7.1.214 The 26 dB emission bandwidth





HERMON LABORATORIES

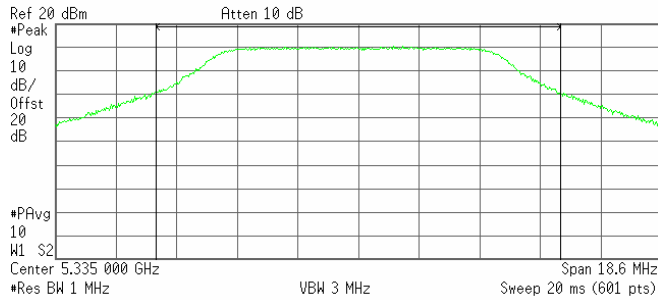
<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.215 Peak output power

<b>Frequency:</b>	5335 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	64QAM, 65 Mbps

\* Agilent

R



Channel Power

18.67 dBm /12.4000 MHz

Power Spectral Density

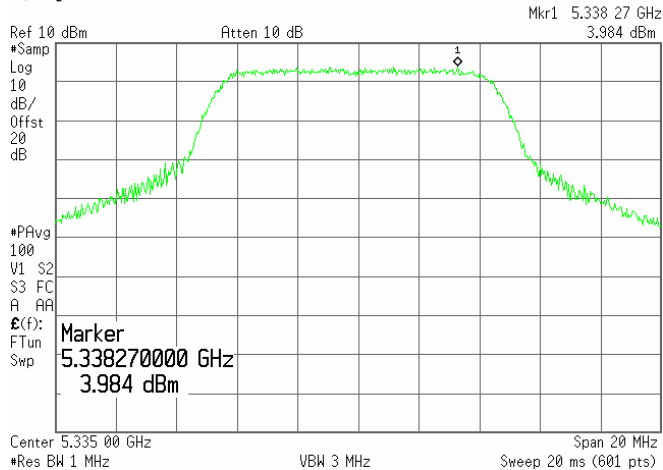
-52.27 dBm/Hz

Plot 7.1.216 Peak spectral power density

<b>Frequency:</b>	5335 MHz
<b>Channel BW:</b>	10 MHz
<b>Modulation parameters:</b>	64QAM, 65 Mbps

\* Agilent

R



Marker  
5.338270000 GHz  
3.984 dBm

Mkr1 5.338 27 GHz  
3.984 dBm

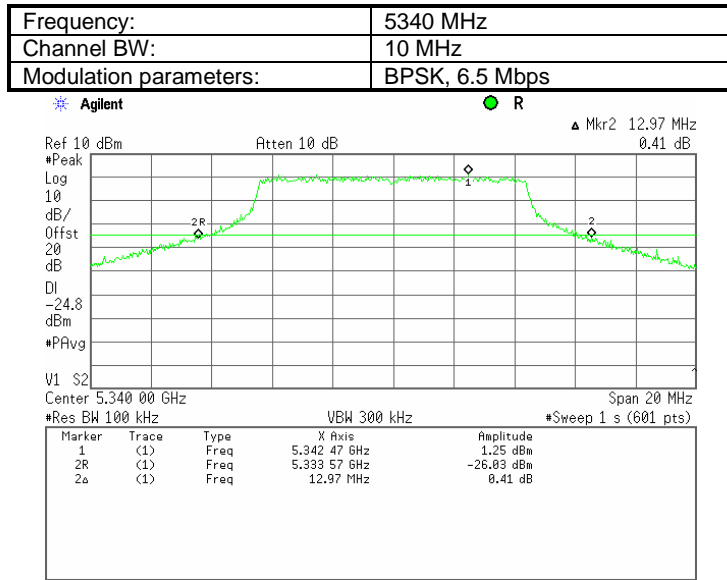




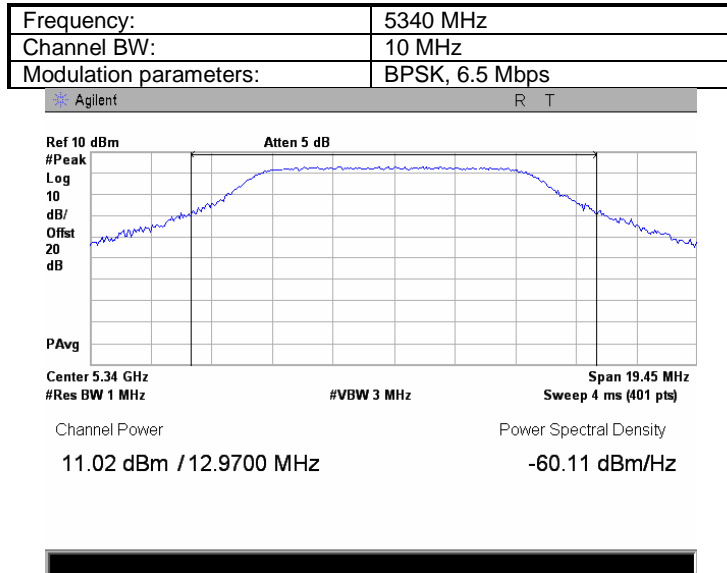
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.217 The 26 dB emission bandwidth



Plot 7.1.218 Peak output power

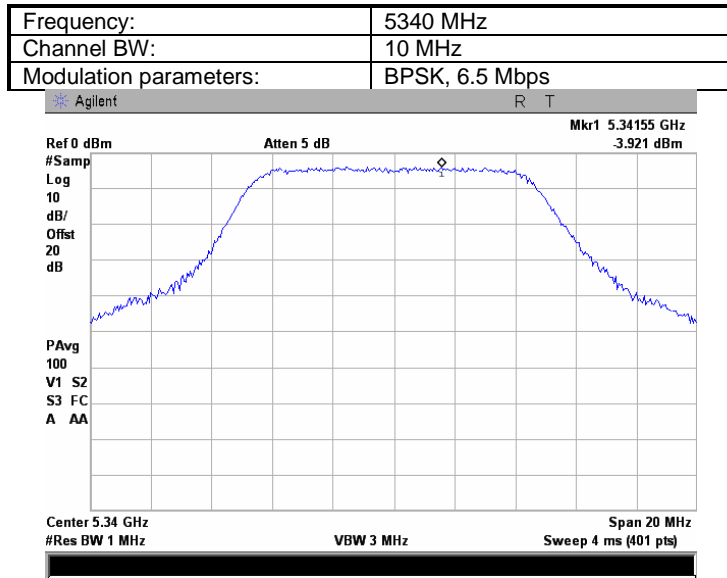




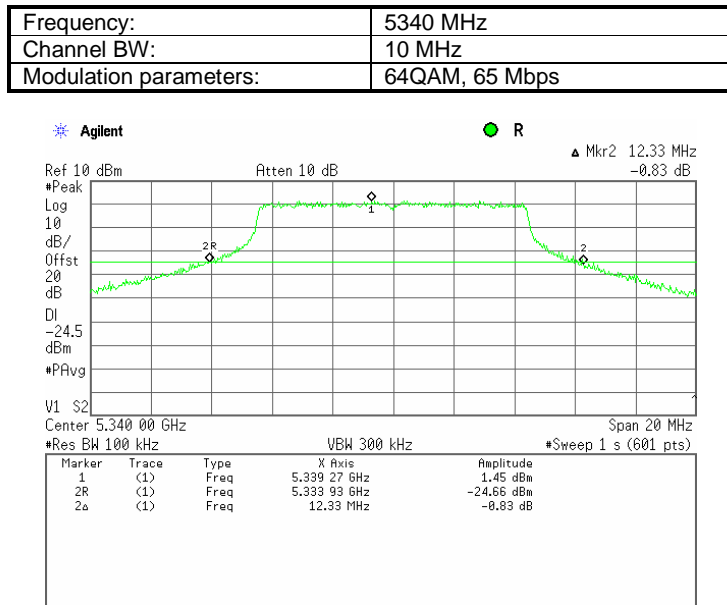
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.219 Peak spectral power density



Plot 7.1.220 The 26 dB emission bandwidth



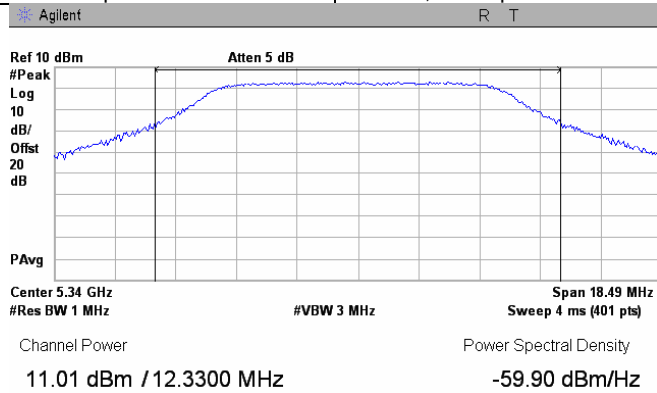


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

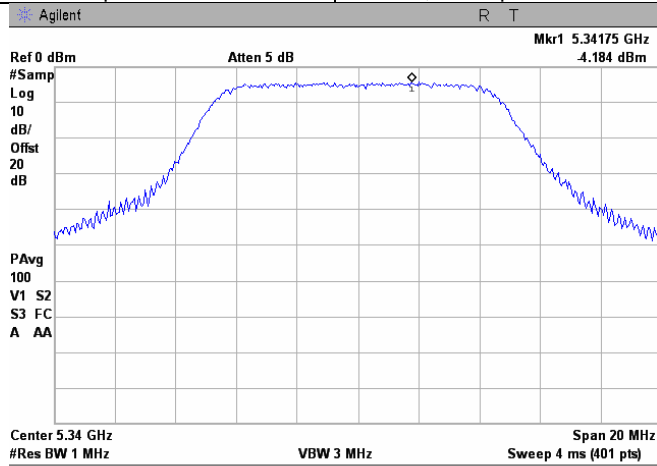
Plot 7.1.221 Peak output power

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.222 Peak spectral power density

Frequency:	5340 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps

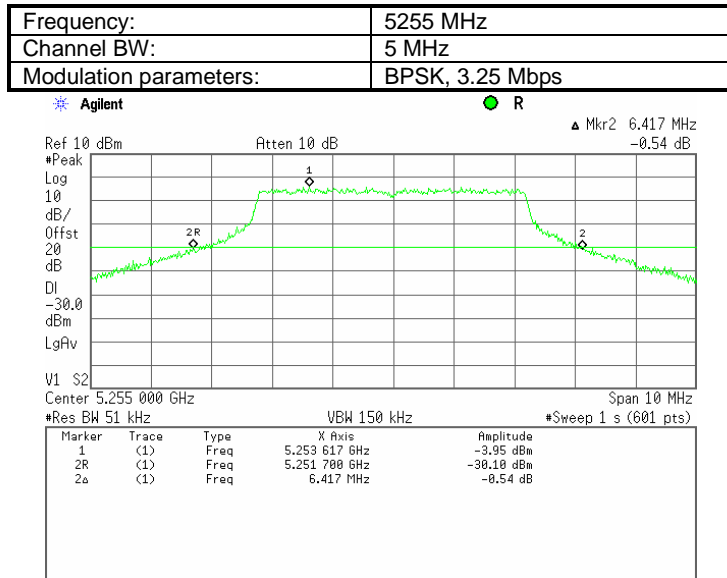




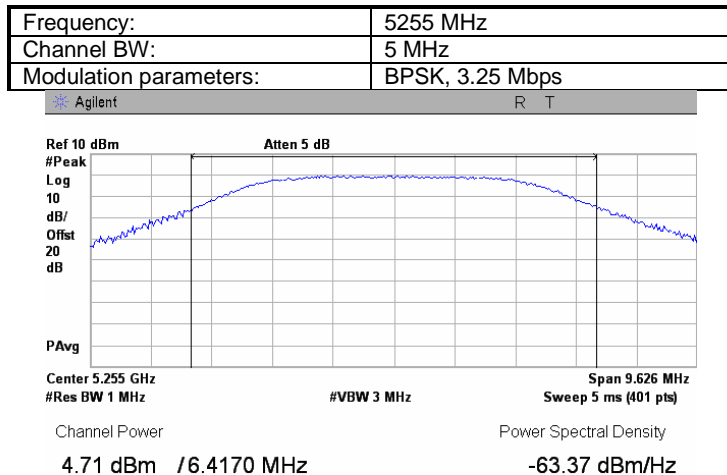
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.223 The 26 dB emission bandwidth



Plot 7.1.224 Peak output power



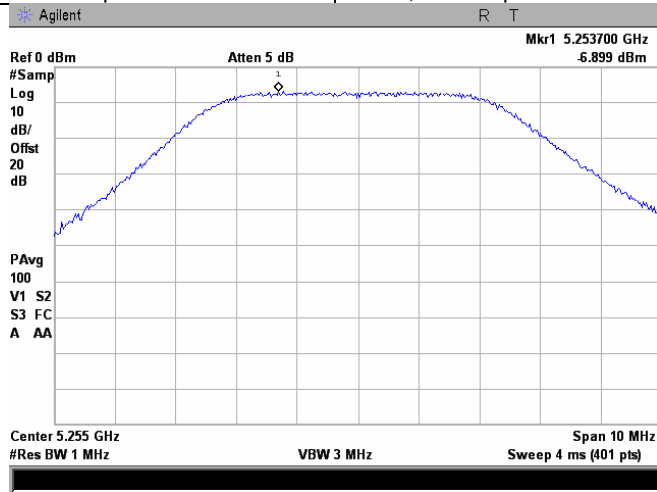


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

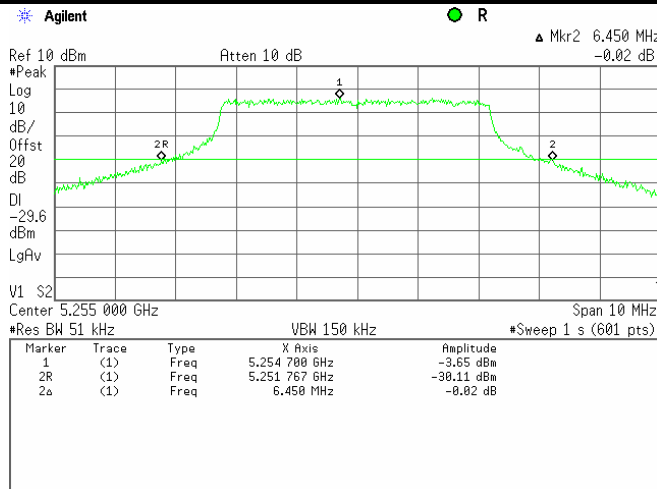
Plot 7.1.225 Peak spectral power density

<b>Frequency:</b>	5255 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 3.25 Mbps



Plot 7.1.226 The 26 dB emission bandwidth

<b>Frequency:</b>	5255 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps



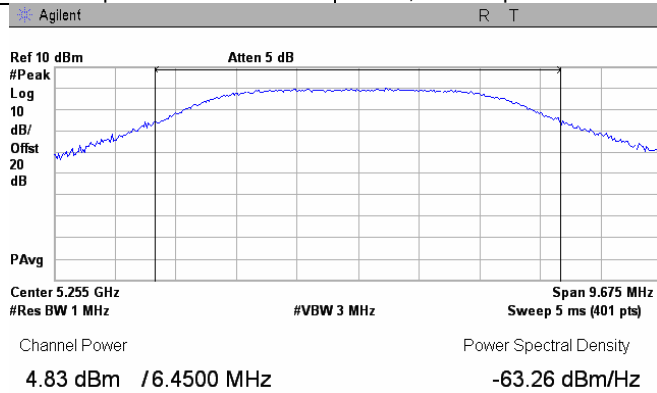


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Date:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Temperature:</b> 23 °C	12/14/2009	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Air Pressure:</b> 1013 hPa			
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

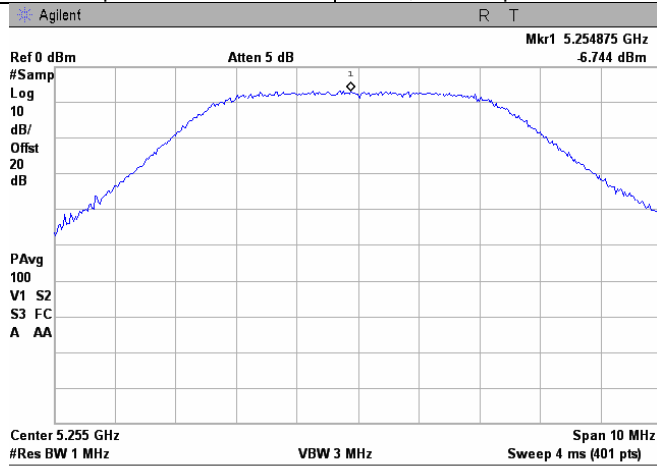
Plot 7.1.227 Peak output power

Frequency:	5255 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.228 Peak spectral power density

Frequency:	5255 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps

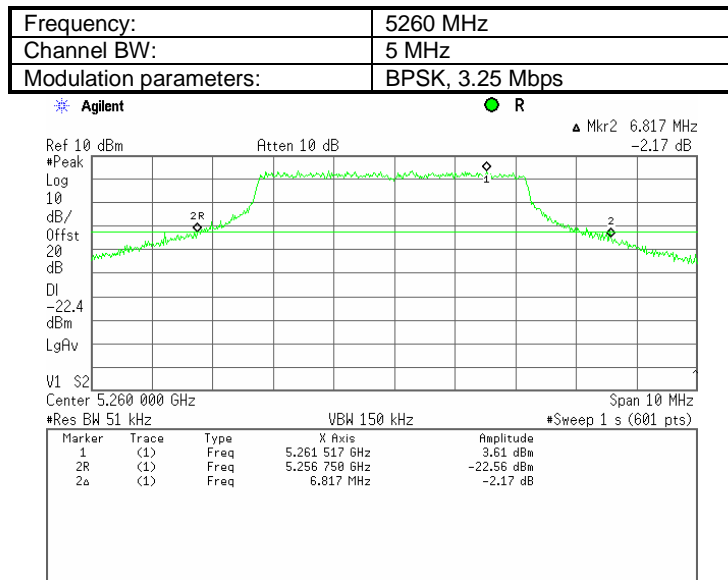




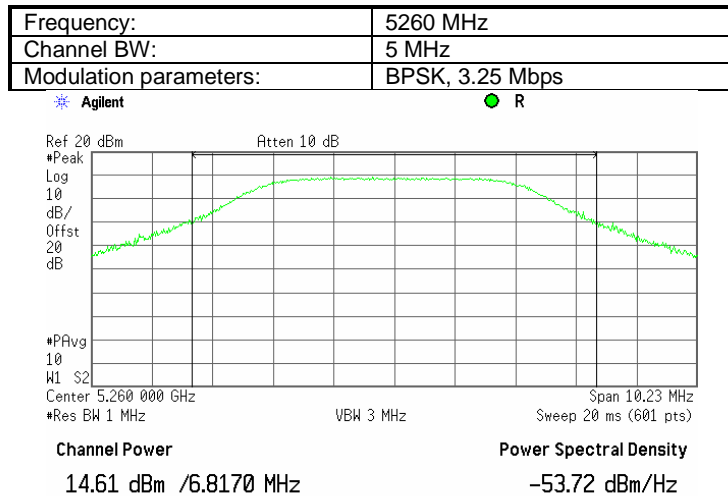
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.229 The 26 dB emission bandwidth



Plot 7.1.230 Peak output power

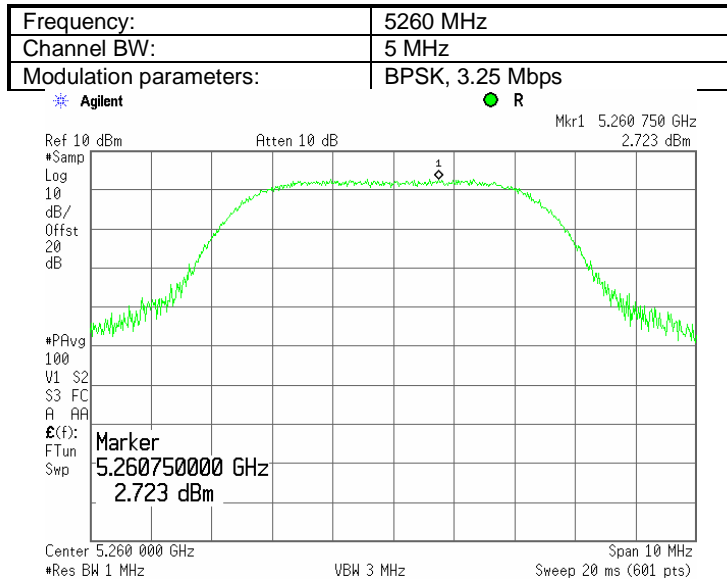




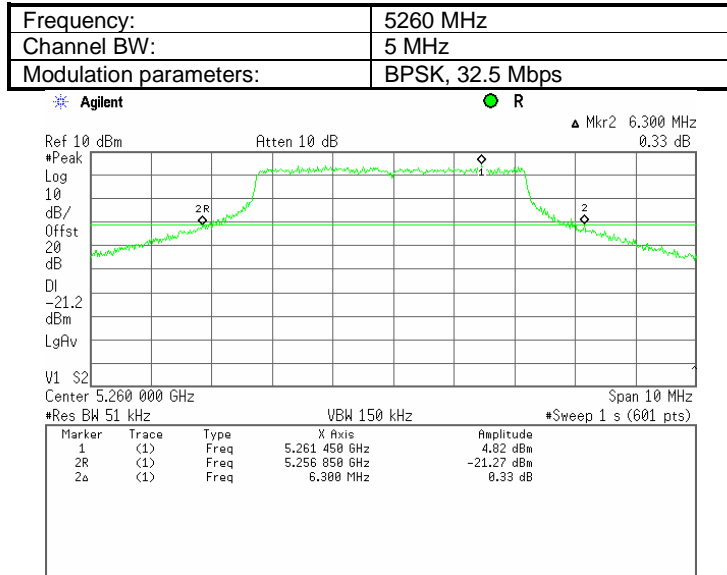
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.231 Peak spectral power density



Plot 7.1.232 The 26 dB emission bandwidth







HERMON LABORATORIES

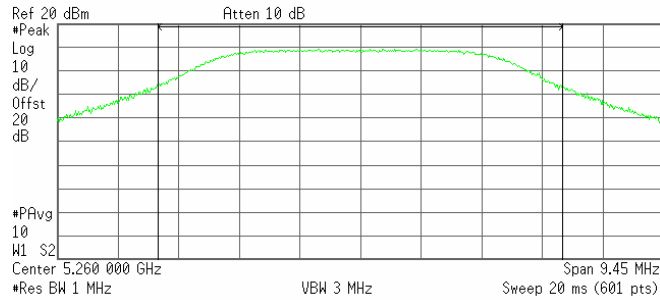
<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.233 Peak output power

<b>Frequency:</b>	5260 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps

\* Agilent

R



Channel Power

14.85 dBm /6.3000 MHz

Power Spectral Density

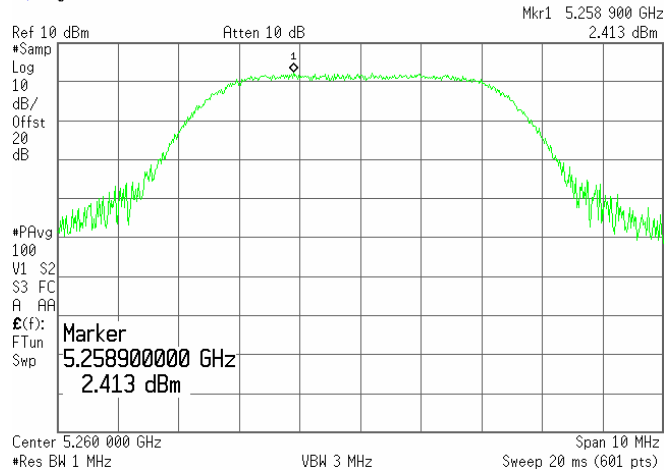
-53.14 dBm/Hz

Plot 7.1.234 Peak spectral power density

<b>Frequency:</b>	5260 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps

\* Agilent

R

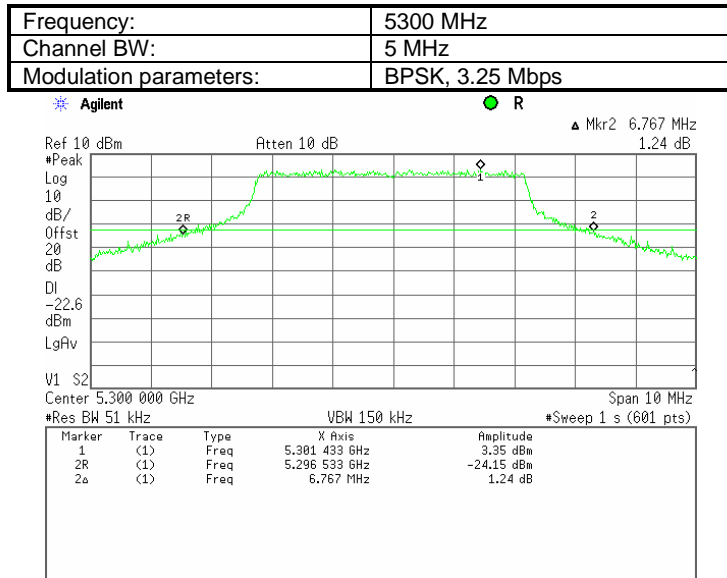




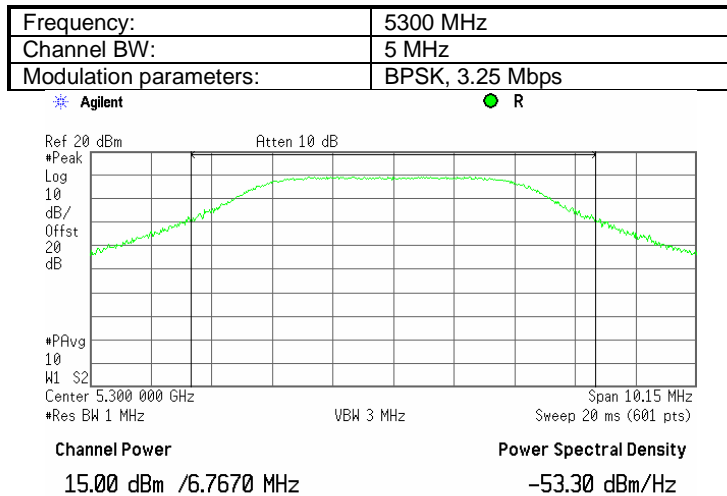
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.235 The 26 dB emission bandwidth



Plot 7.1.236 Peak output power

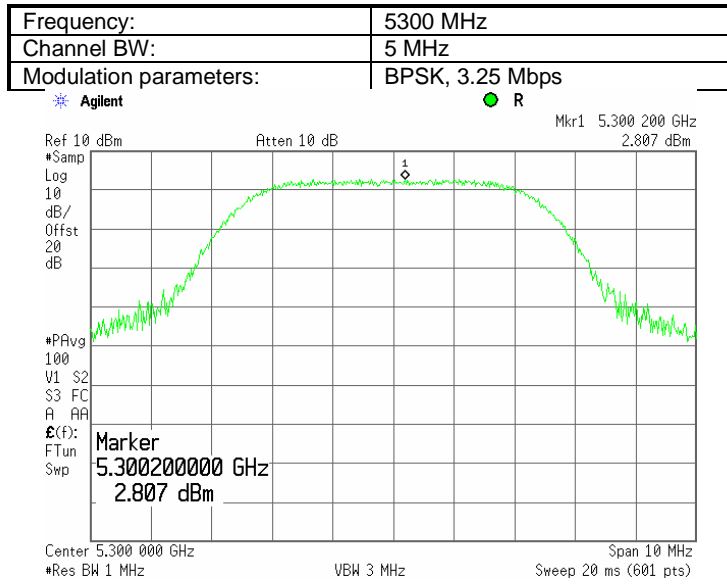




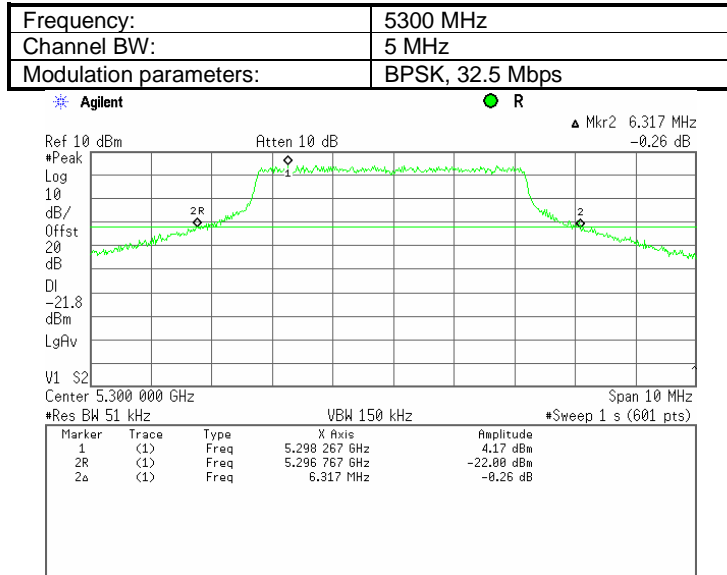
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.237 Peak spectral power density



Plot 7.1.238 The 26 dB emission bandwidth





HERMON LABORATORIES

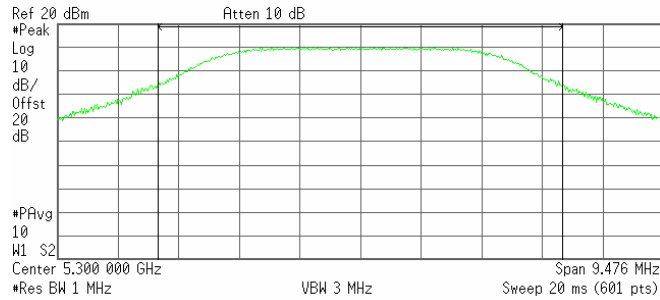
<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.239 Peak output power

<b>Frequency:</b>	5300 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps

\* Agilent

R



Channel Power

15.58 dBm /6.3170 MHz

Power Spectral Density

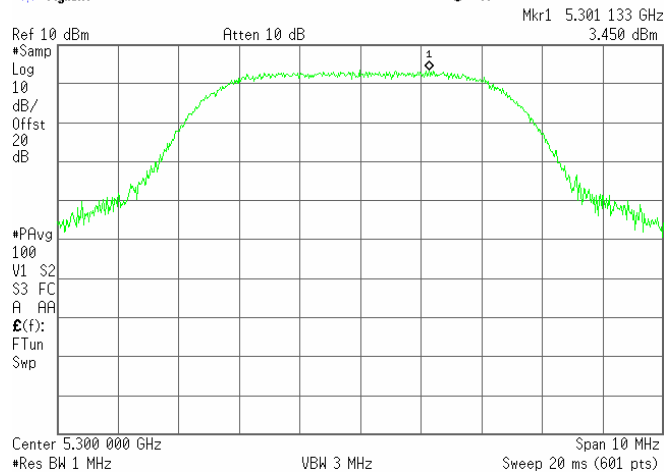
-52.43 dBm/Hz

Plot 7.1.240 Peak spectral power density

<b>Frequency:</b>	5300 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps

\* Agilent

R

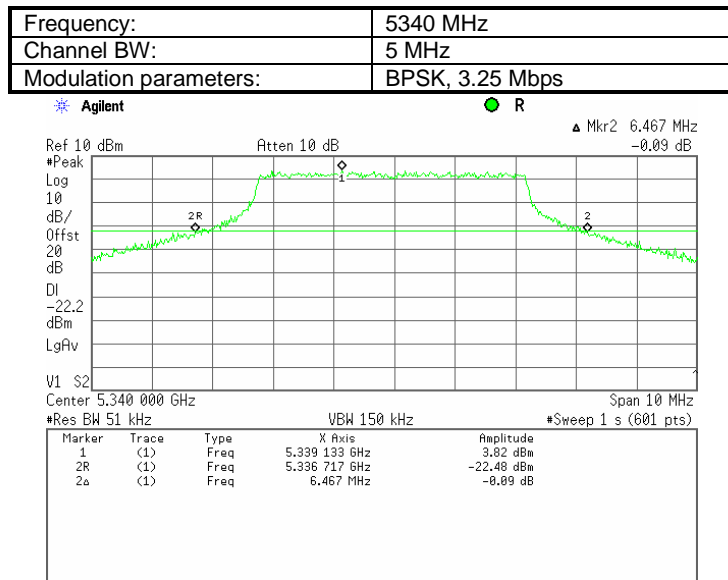




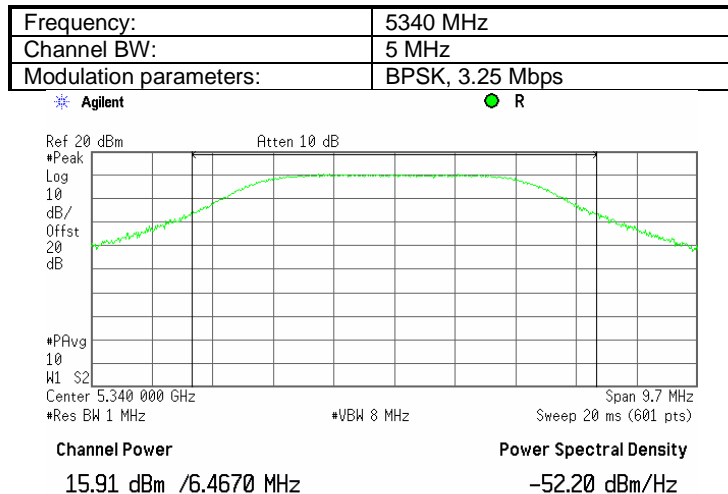
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.241 The 26 dB emission bandwidth



Plot 7.1.242 Peak output power

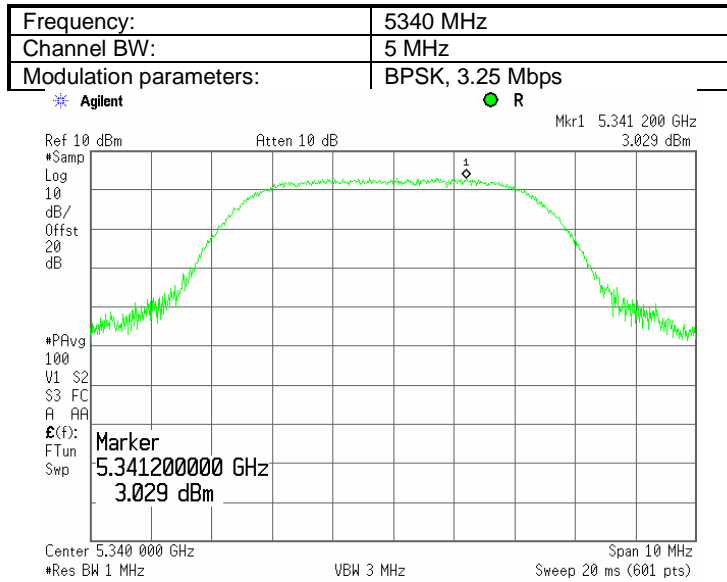




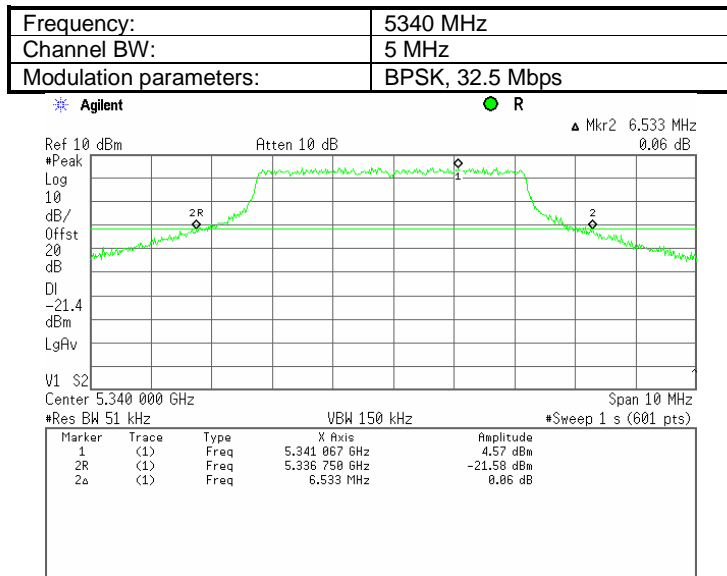
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009	<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa
<b>Relative Humidity:</b>	43 %	<b>Power Supply:</b>	120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.243 Peak spectral power density



Plot 7.1.244 The 26 dB emission bandwidth





HERMON LABORATORIES

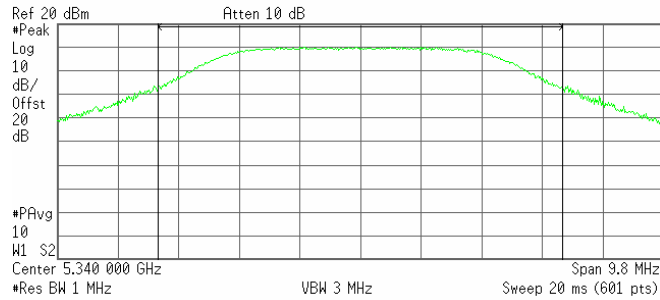
<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2</b>	
<b>Test procedure:</b>		<b>Peak output power and peak power spectral density</b>	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.245 Peak output power

<b>Frequency:</b>	5340 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps

\* Agilent

R



Channel Power

15.69 dBm /6.5330 MHz

Power Spectral Density

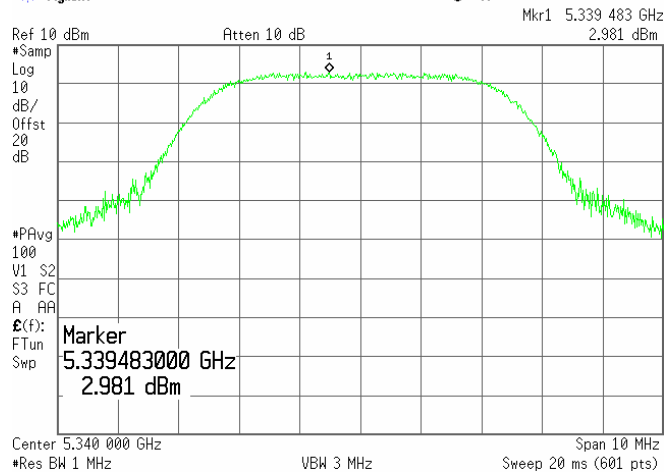
-52.46 dBm/Hz

Plot 7.1.246 Peak spectral power density

<b>Frequency:</b>	5340 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 32.5 Mbps

\* Agilent

R



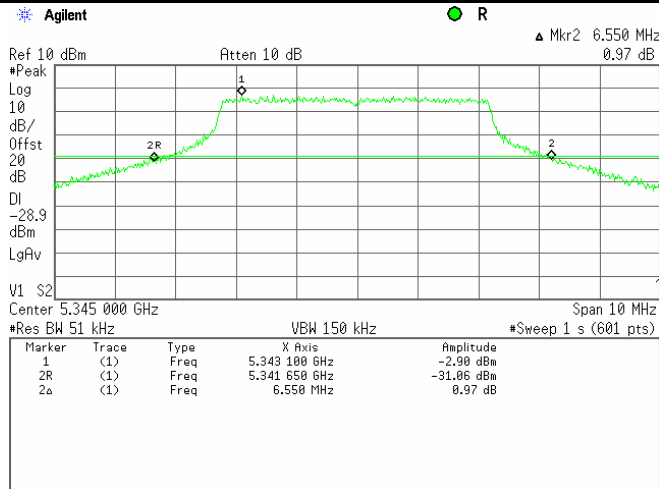


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

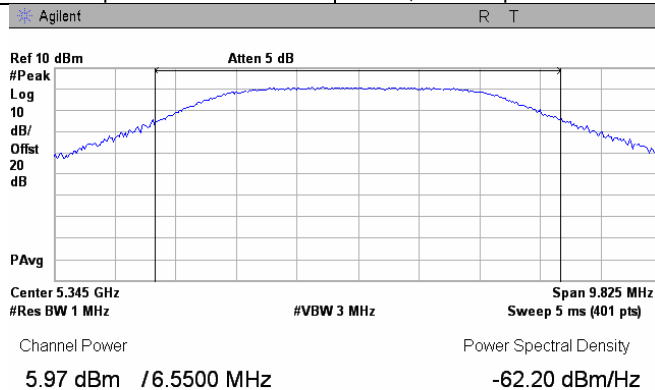
Plot 7.1.247 The 26 dB emission bandwidth

<b>Frequency:</b>	5345 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 3.25 Mbps



Plot 7.1.248 Peak output power

<b>Frequency:</b>	5345 MHz
<b>Channel BW:</b>	5 MHz
<b>Modulation parameters:</b>	BPSK, 3.25 Mbps



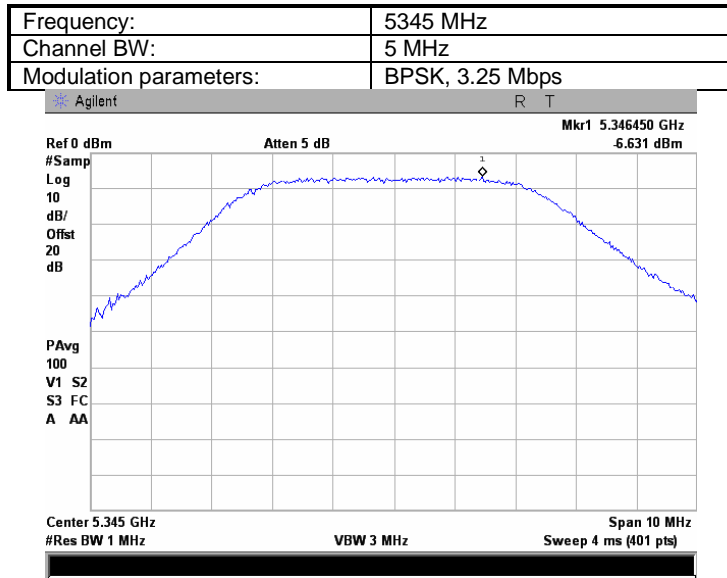




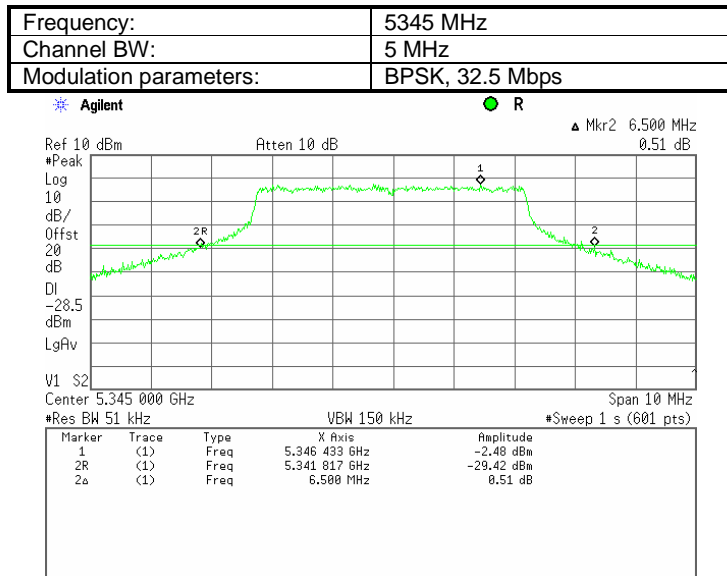
HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density</b>	
<b>Test procedure:</b>		FCC Public Notice DA 02-2138, Appendix A	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/14/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.1.249 Peak spectral power density



Plot 7.1.250 The 26 dB emission bandwidth



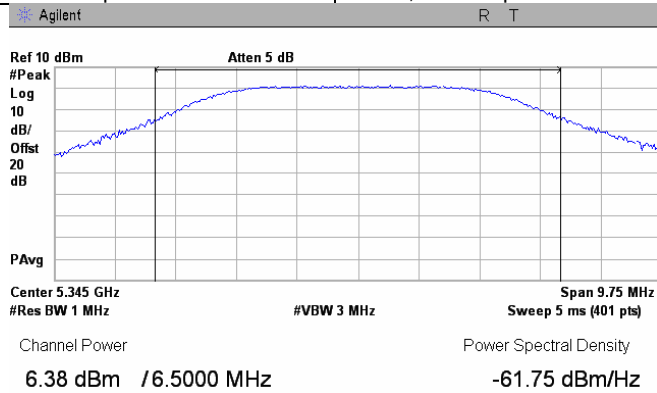


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 <b>Peak output power and peak power spectral density</b>			
<b>Test procedure:</b> FCC Public Notice DA 02-2138, Appendix A			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/14/2009			
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1013 hPa	<b>Relative Humidity:</b> 43 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

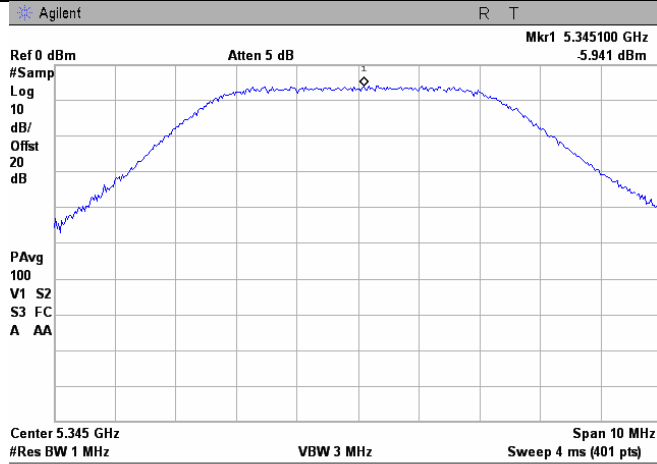
Plot 7.1.251 Peak output power

Frequency:	5345 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.252 Peak spectral power density

Frequency:	5345 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps





<b>Test specification:</b>	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b>			

## 7.2 Ratio of the peak excursion of the modulation envelope to the peak transmit power

### 7.2.1 General

This test was performed to measure the ratio of the peak excursion of the modulation envelope to the peak transmit power at RF antenna connector. Specification test limits are given in Table 7.2.1.

Table 7.2.1 Peak excursion limits

Assigned frequency, MHz	Maximum peak excursion, dB/MHz
5250 - 5350	13.0

### 7.2.2 Test procedure

7.2.2.1 The EUT was set up as shown in Figure 7.2.1, energized and its proper operation was checked.

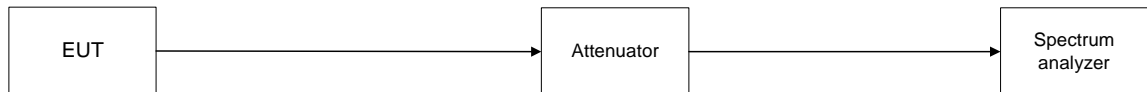
7.2.2.2 The EUT was adjusted to produce maximum available to end user RF output power.

7.2.2.3 The measurements were performed in continuous transmission mode of operation for carrier (channel) frequency at low and high edges and at the middle of the frequency range.

The maximum peak excursion of modulation envelope was measured as a difference between 2 traces.

7.2.2.4 The test results were recorded in Table 7.2.2 to Table 7.2.7 and shown in the associated plots.

Figure 7.2.1 Ratio of peak excursion test setup





<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Table 7.2.2 Ratio of peak excursion test results

OPERATING FREQUENCY RANGE: 5275-5325 MHz  
DETECTOR USED: 1-st trace : Peak, Max Hold  
2-nd trace : Peak, 100 Power Averaging  
TRANSMITTER OUTPUT POWER: Maximum  
RESOLUTION BANDWIDTH: 1 MHz  
VIDEO BANDWIDTH: 3 MHz  
EMISSION BANDWIDTH 40 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
<b>Low channel Band Edge</b>							
5275	27	1.77	-3.04	4.81	13.0	-8.19	Pass
5275	270	1.15	-3.68	4.83	13.0	-8.17	Pass
<b>Low channel In-Band</b>							
5285	27	10.00	5.95	4.05	13.0	-8.95	Pass
5285	270	10.00	5.80	4.20	13.0	-8.80	Pass
<b>Mid channel</b>							
5300	27	10.03	6.07	3.96	13.0	-9.04	Pass
5300	270	10.15	6.03	4.12	13.0	-8.88	Pass
<b>High channel In-Band</b>							
5315	27	10.27	6.46	3.81	13.0	-9.19	Pass
5315	270	10.19	5.83	4.36	13.0	-8.64	Pass
<b>High channel Band Edge</b>							
5325	27	1.80	-2.61	4.41	13.0	-8.59	Pass
5325	270	2.27	-2.75	5.02	13.0	-7.98	Pass



<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Table 7.2.3 Ratio of peak excursion test results**

OPERATING FREQUENCY RANGE: 5265-5335 MHz  
DETECTOR USED: 1-st trace : Peak, Max Hold  
2-nd trace : Peak, 100 Power Averaging  
TRANSMITTER OUTPUT POWER: Maximum  
RESOLUTION BANDWIDTH: 1 MHz  
VIDEO BANDWIDTH: 3 MHz  
EMISSION BANDWIDTH: 20 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
<b>Low channel Band Edge</b>							
5265	13	3.86	-0.73	4.59	13.0	-8.41	Pass
5265	130	3.93	-1.74	5.67	13.0	-7.33	Pass
<b>Low channel In-Band</b>							
5275	13	12.6	8.61	3.99	13	-9.01	Pass
5275	130	13.46	9.1	4.36	13	-8.64	Pass
<b>Mid channel</b>							
5300	13	13.8	9.79	4.01	13	-8.99	Pass
5300	130	13.39	9.53	3.86	13	-9.14	Pass
<b>High channel In-Band</b>							
5325	13	13.77	9.81	3.96	13	-9.04	Pass
5325	130	13.53	9.25	4.28	13	-8.72	Pass
<b>High channel Band Edge</b>							
5335	13	4.59	-0.09	4.68	13.0	-8.32	Pass
5335	130	5.14	0.11	5.03	13.0	-7.97	Pass



<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Table 7.2.4 Ratio of peak excursion test results

OPERATING FREQUENCY RANGE: 5260-5340 MHz  
DETECTOR USED: 1-st trace : Peak, Max Hold  
2-nd trace : Peak, 100 Power Averaging  
TRANSMITTER OUTPUT POWER: Maximum  
RESOLUTION BANDWIDTH: 1 MHz  
VIDEO BANDWIDTH: 3 MHz  
EMISSION BANDWIDTH: 10 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
<b>Low channel Band Edge</b>							
5260	6.5	7.08	2.12	4.96	13.0	-8.04	Pass
5260	65	6.36	1.37	4.99	13.0	-8.01	Pass
<b>Low channel In-Band</b>							
5265	6.5	13.33	9.36	3.97	13.0	-9.03	Pass
5265	65	12.92	8.77	4.15	13.0	-8.85	Pass
<b>Mid channel</b>							
5300	6.5	13.72	9.34	4.38	13.0	-8.62	Pass
5300	65	13.47	9.75	3.72	13.0	-9.28	Pass
<b>High channel In-Band</b>							
5335	6.5	14.09	10.06	4.03	13.0	-8.97	Pass
5335	65	12.69	9.53	3.16	13.0	-9.84	Pass
<b>High channel Band Edge</b>							
5340	6.5	6.81	1.53	5.28	13.0	-7.72	Pass
5340	65	7.33	2.52	4.81	13.0	-8.19	Pass



<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Table 7.2.5 Ratio of peak excursion test results**

OPERATING FREQUENCY RANGE: 5255-5345 MHz  
 DETECTOR USED: 1-st trace : Peak, Max Hold  
 2-nd trace : Peak, 100 Power Averaging  
 TRANSMITTER OUTPUT POWER: Maximum  
 RESOLUTION BANDWIDTH: 1 MHz  
 VIDEO BANDWIDTH: 3 MHz  
 EMISSION BANDWIDTH: 5 MHz

Frequency, MHz	Bit Rate, MBps	1-st trace, dBm	2-nd trace, dBm	Peak excursion, dB	Limit, dB	Margin, dB	Verdict
<b>Low channel Band Edge</b>							
5255	3.25	4.05	-1.20	5.25	13.0	-7.75	Pass
5255	32.5	4.08	-0.77	4.85	13.0	-8.15	Pass
<b>Low channel In-Band</b>							
5260	3.25	12.86	8.53	4.33	13.0	-8.67	Pass
5260	32.5	12.71	8.24	4.47	13.0	-8.53	Pass
<b>Mid channel</b>							
5300	3.25	13.29	9.47	3.82	13.0	-9.18	Pass
5300	32.5	13.05	8.97	4.08	13.0	-8.92	Pass
<b>High channel In-Band</b>							
5340	3.25	13.07	9.29	3.78	13.0	-9.22	Pass
5340	32.5	13.38	8.76	4.62	13.0	-8.38	Pass
<b>High channel Band Edge</b>							
5345	3.25	4.15	-1.21	5.36	13.0	-7.64	Pass
5345	32.5	4.12	-0.86	4.98	13.0	-8.02	Pass

**Reference numbers of test equipment used**

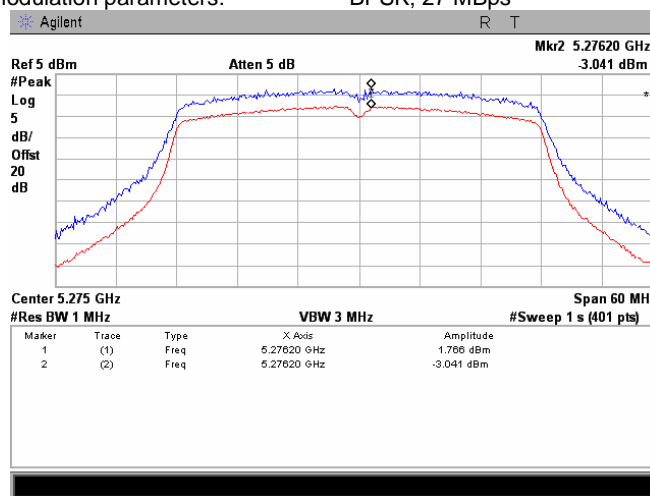
HL 2952	HL 3435	HL 3437	HL 3818				
---------	---------	---------	---------	--	--	--	--

Full description is given in Appendix A.

<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

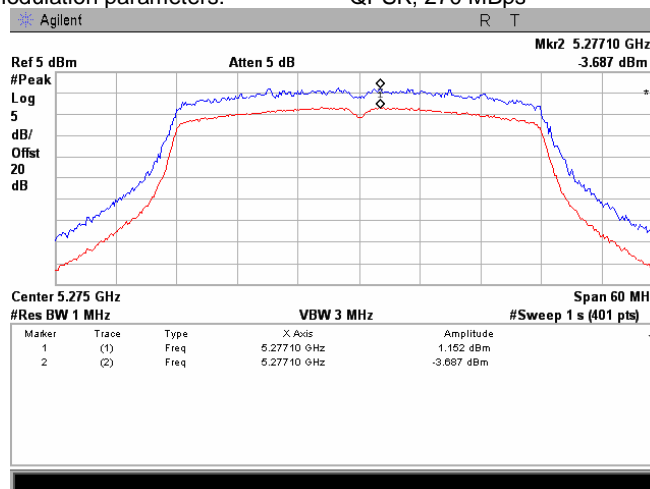
**Plot.7.2.1 Peak excursion measurement**

Frequency: 5275 MHz  
Channel BW: 40 MHz  
Modulation parameters: BPSK; 27 MBps



**Plot.7.2.2 Peak excursion measurement**

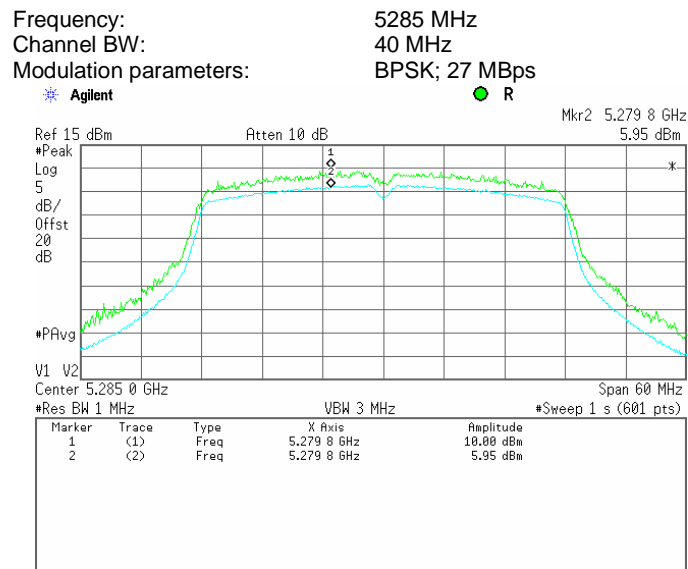
Frequency: 5275 MHz  
Channel BW: 40 MHz  
Modulation parameters: QPSK; 270 MBps



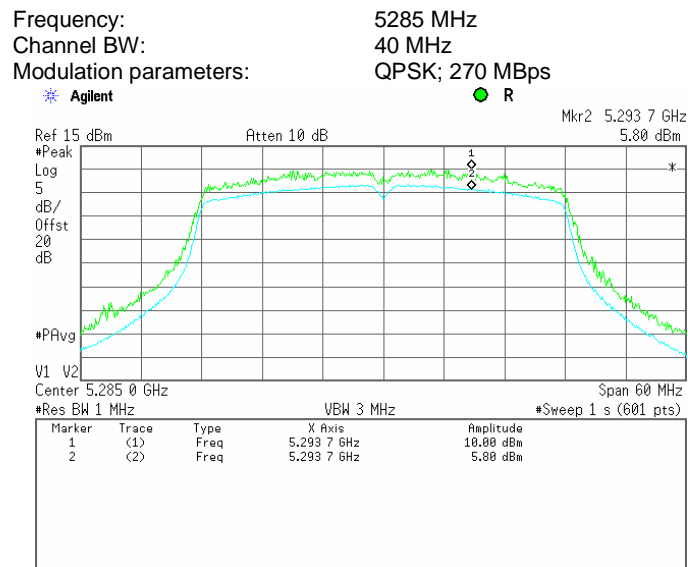


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot.7.2.3 Peak excursion measurement**



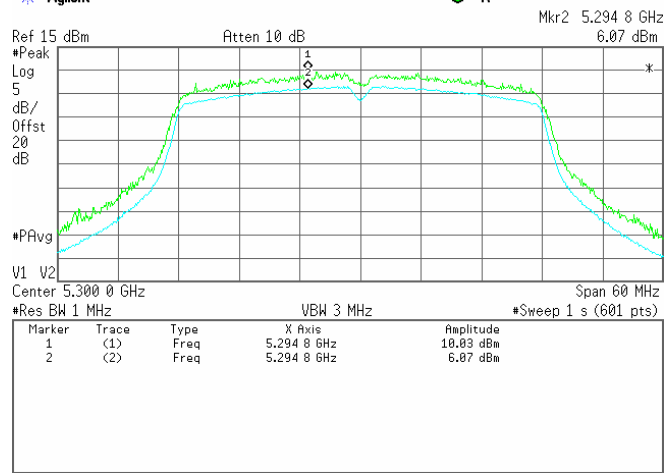
**Plot.7.2.4 Peak excursion measurement**



<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

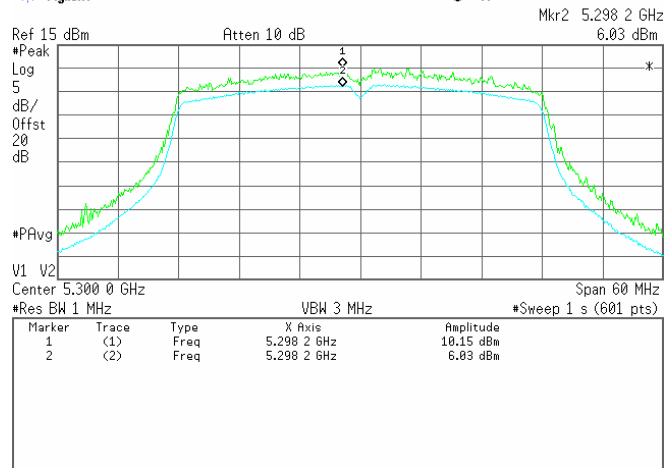
**Plot.7.2.5 Peak excursion measurement**

Frequency: 5300 MHz  
Channel BW: 40 MHz  
Modulation parameters: BPSK; 27 MBps  
\* Agilent ● R



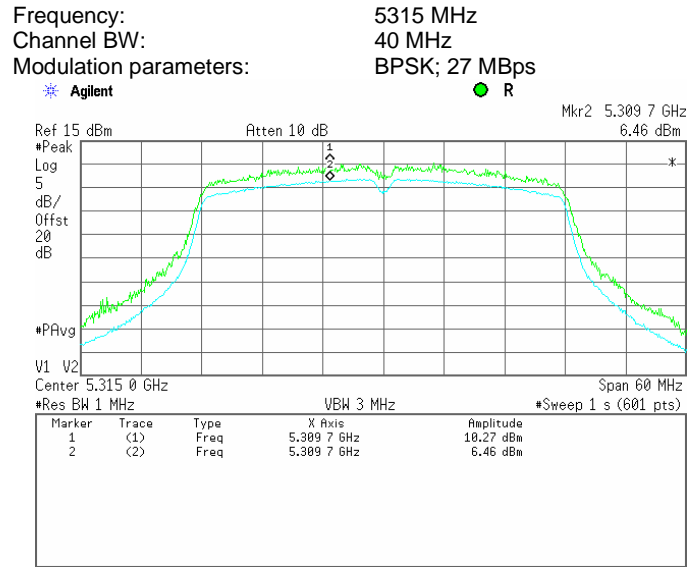
**Plot.7.2.6 Peak excursion measurement**

Frequency: 5300 MHz  
Channel BW: 40 MHz  
Modulation parameters: QPSK; 270 MBps  
\* Agilent ● R

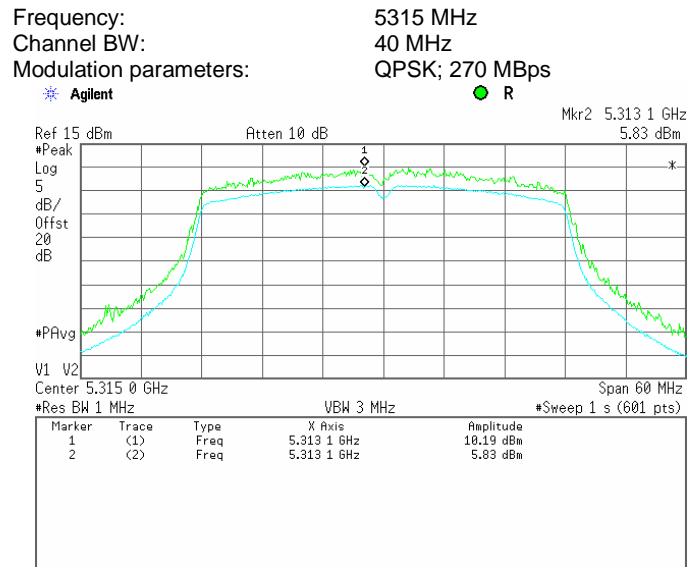


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot.7.2.7 Peak excursion measurement**



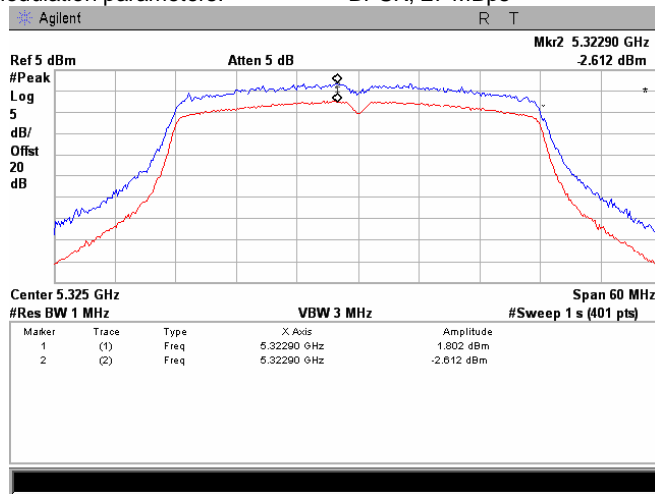
**Plot.7.2.8 Peak excursion measurement**



<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

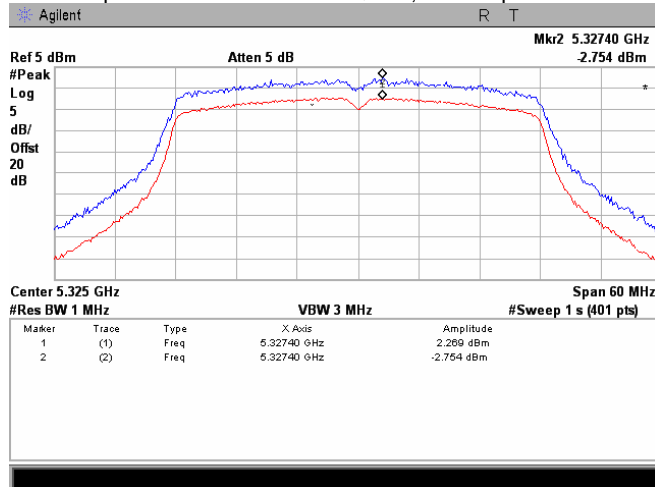
**Plot.7.2.9 Peak excursion measurement**

Frequency: 5325 MHz  
Channel BW: 40 MHz  
Modulation parameters: BPSK; 27 MBps



**Plot.7.2.10 Peak excursion measurement**

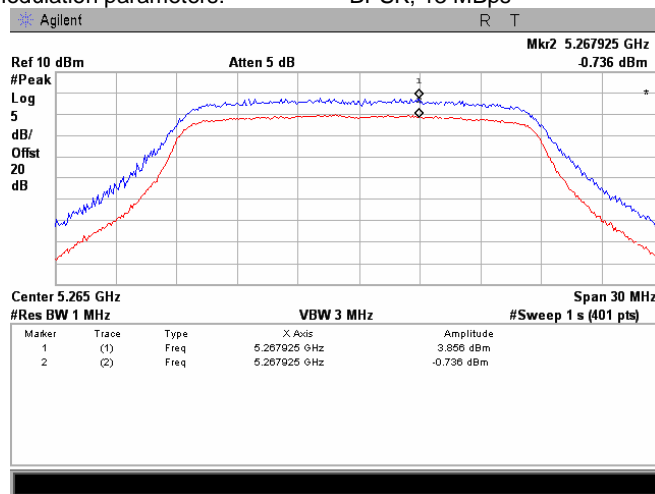
Frequency: 5325 MHz  
Channel BW: 40 MHz  
Modulation parameters: QPSK; 270 MBps



<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

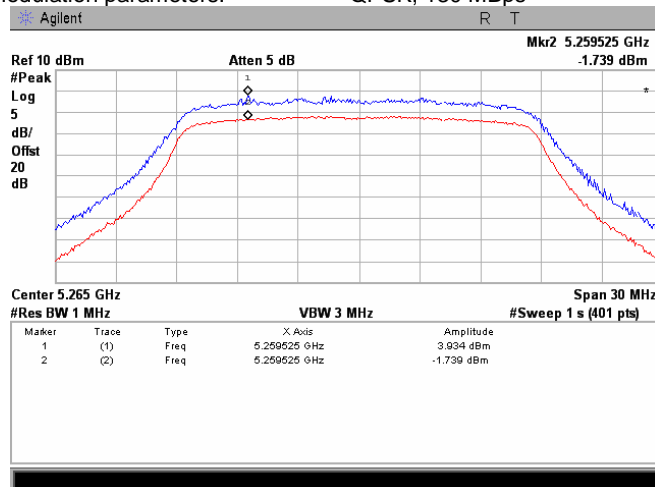
**Plot.7.2.11 Peak excursion measurement**

Frequency: 5265 MHz  
Channel BW: 20 MHz  
Modulation parameters: BPSK; 13 MBps



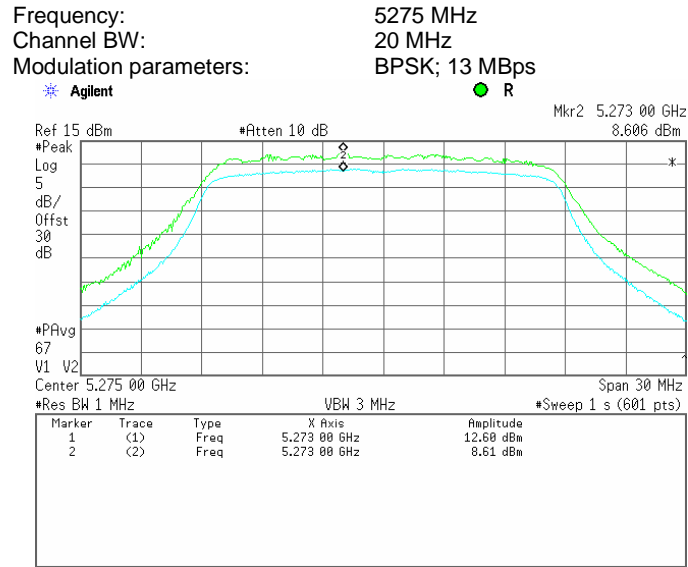
**Plot.7.2.12 Peak excursion measurement**

Frequency: 5265 MHz  
Channel BW: 20 MHz  
Modulation parameters: QPSK; 130 MBps

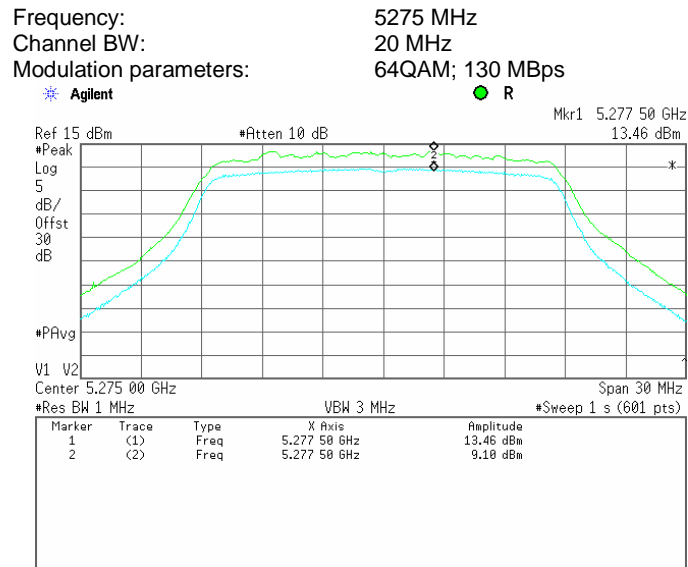


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot.7.2.13 Peak excursion measurement**

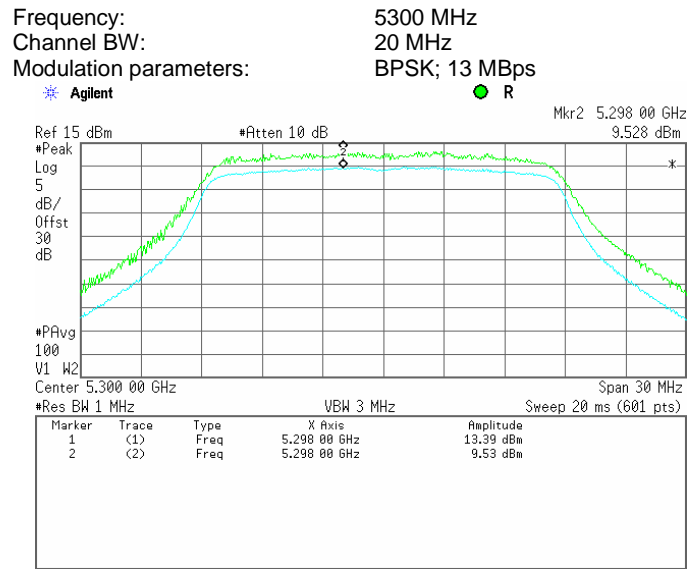


**Plot.7.2.14 Peak excursion measurement**

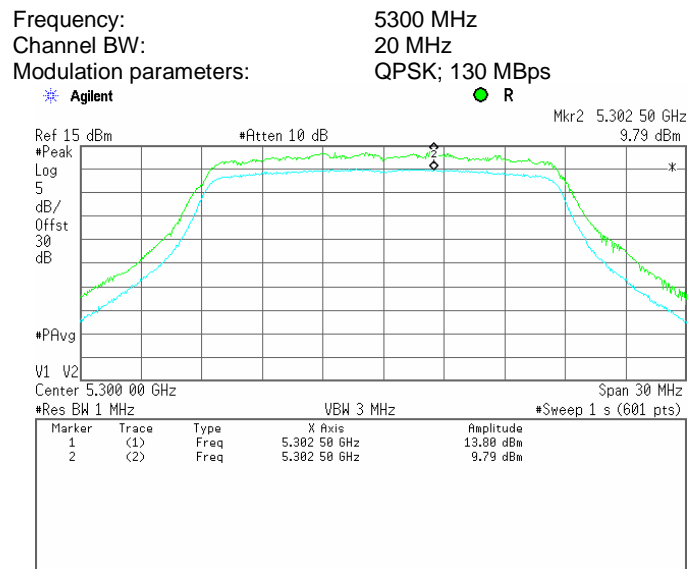


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot.7.2.15 Peak excursion measurement**

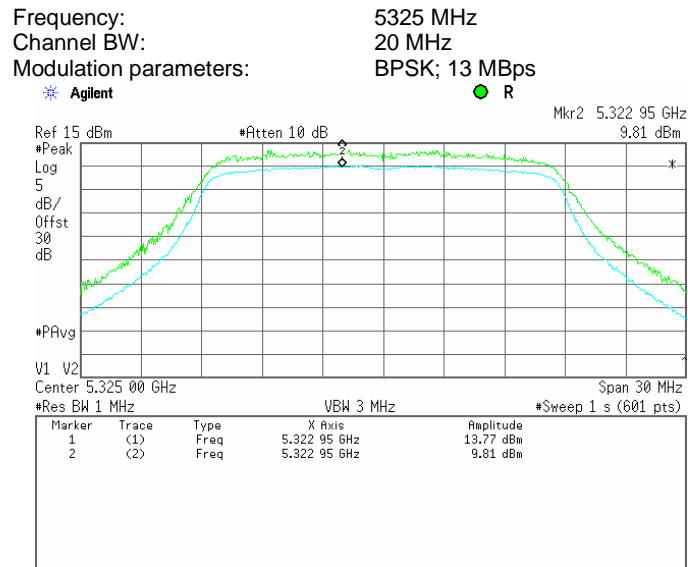


**Plot.7.2.16 Peak excursion measurement**

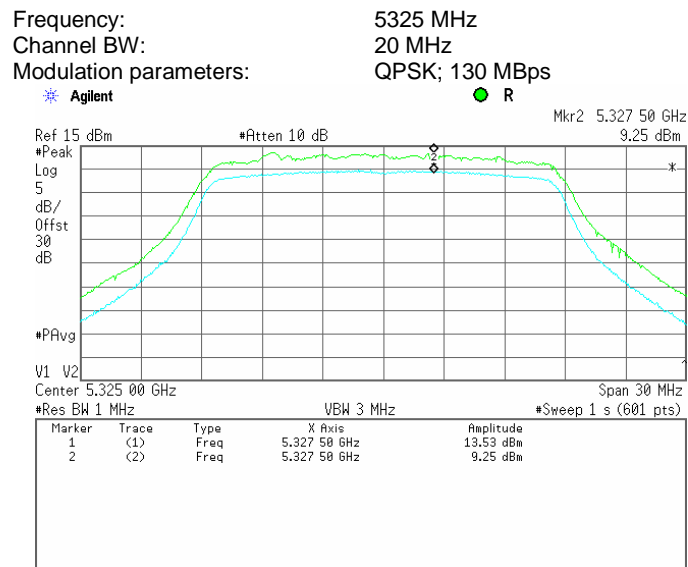


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot.7.2.17 Peak excursion measurement**



**Plot.7.2.18 Peak excursion measurement**





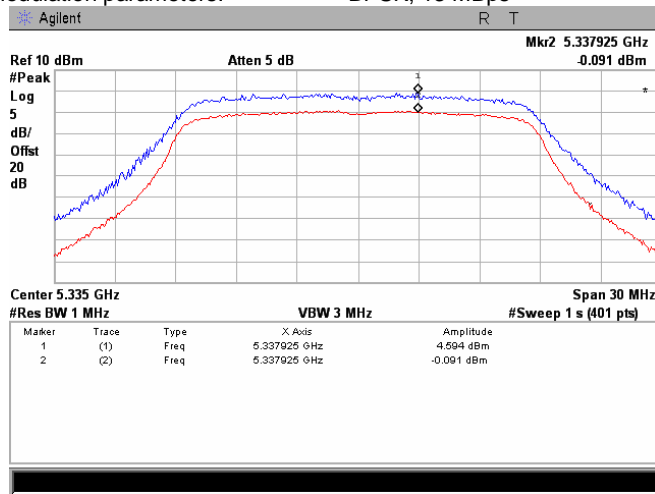


HERMON LABORATORIES

<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

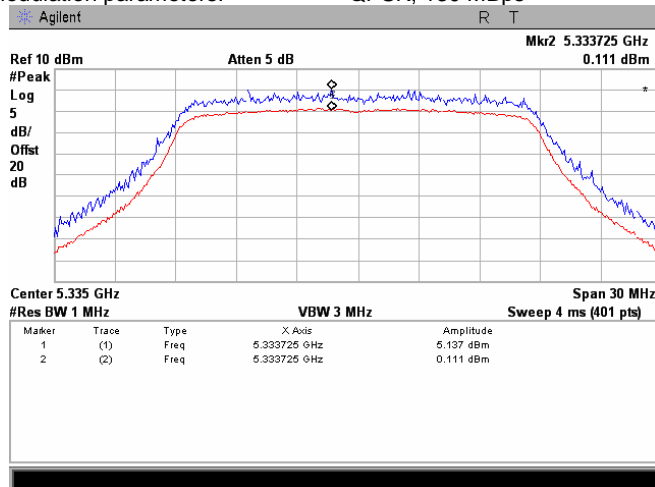
**Plot.7.2.19 Peak excursion measurement**

Frequency: 5335 MHz  
Channel BW: 20 MHz  
Modulation parameters: BPSK; 13 MBps



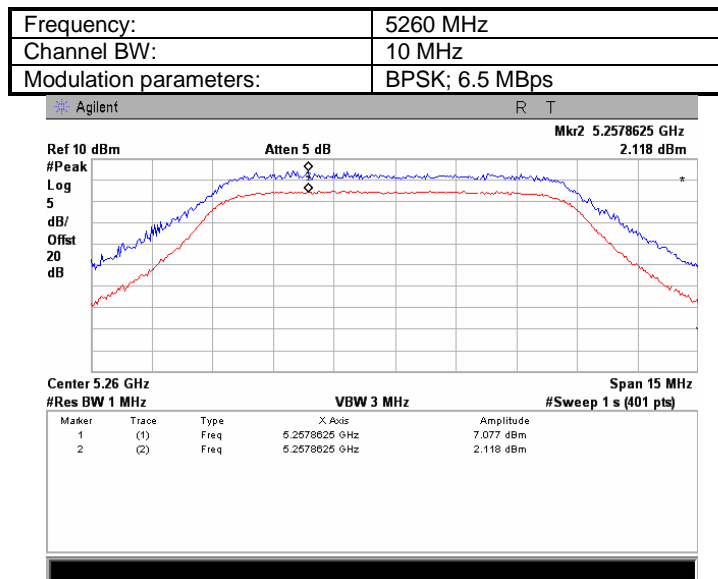
**Plot.7.2.20 Peak excursion measurement**

Frequency: 5335 MHz  
Channel BW: 20 MHz  
Modulation parameters: QPSK; 130 MBps

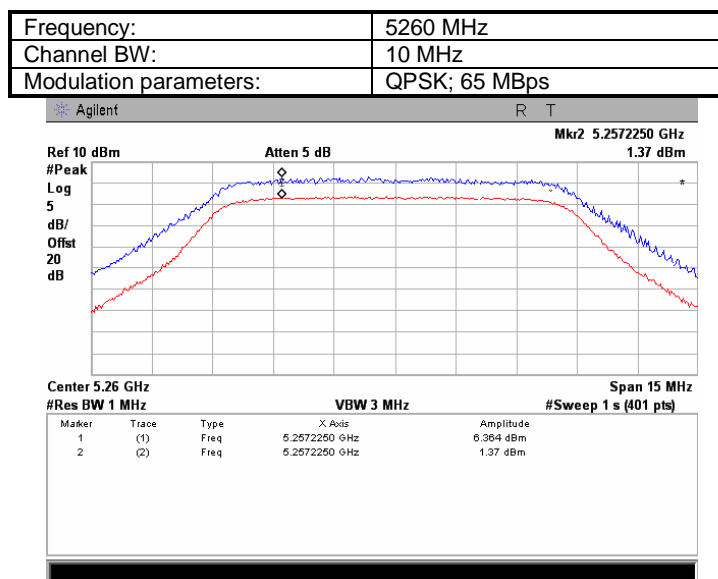


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.21 Peak excursion measurement**

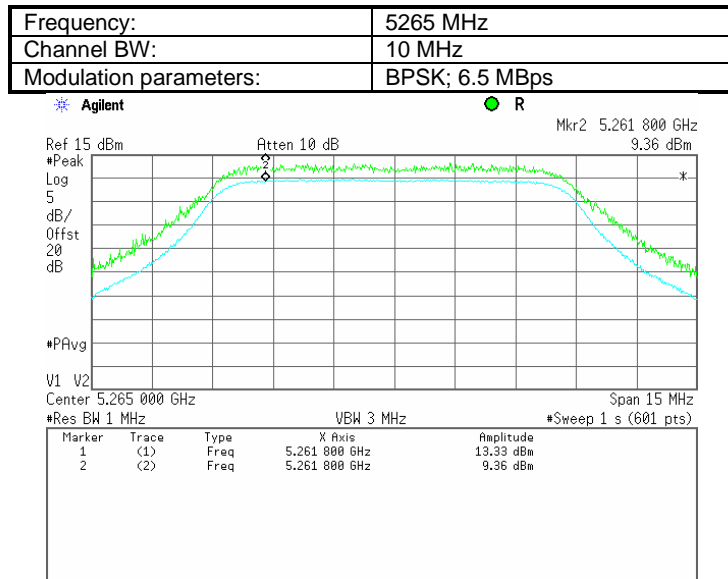


**Plot 7.2.22 Peak excursion measurement**

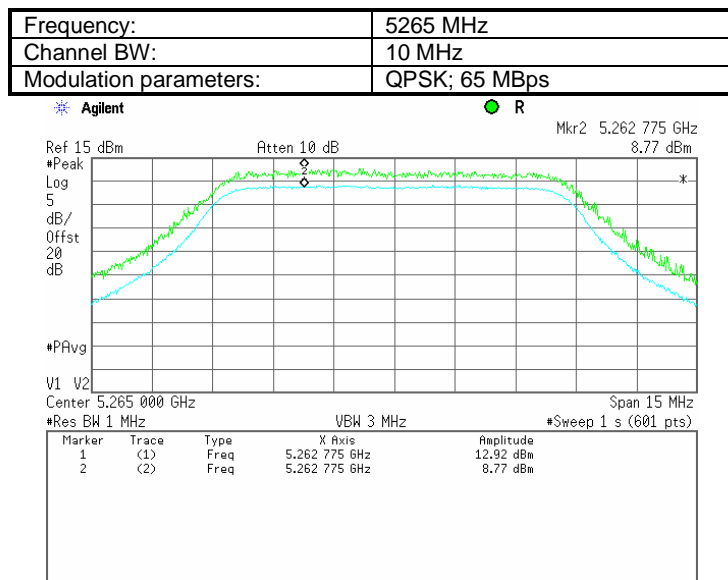


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.23 Peak excursion measurement**

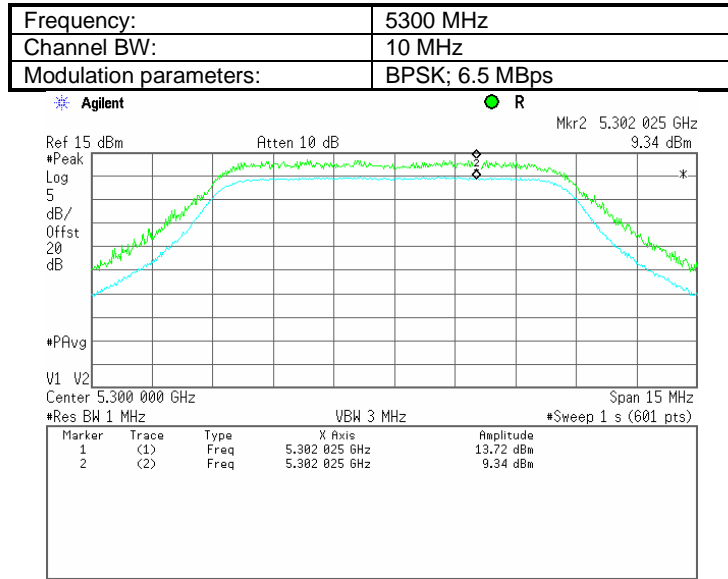


**Plot 7.2.24 Peak excursion measurement**

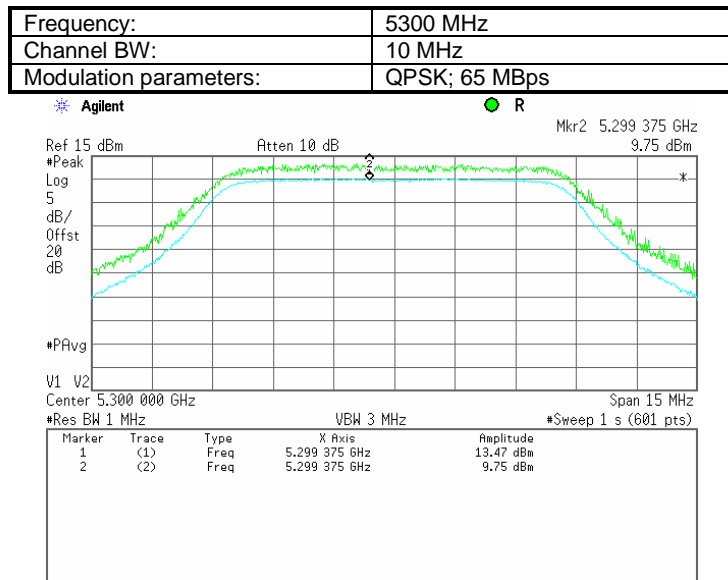


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.25 Peak excursion measurement**

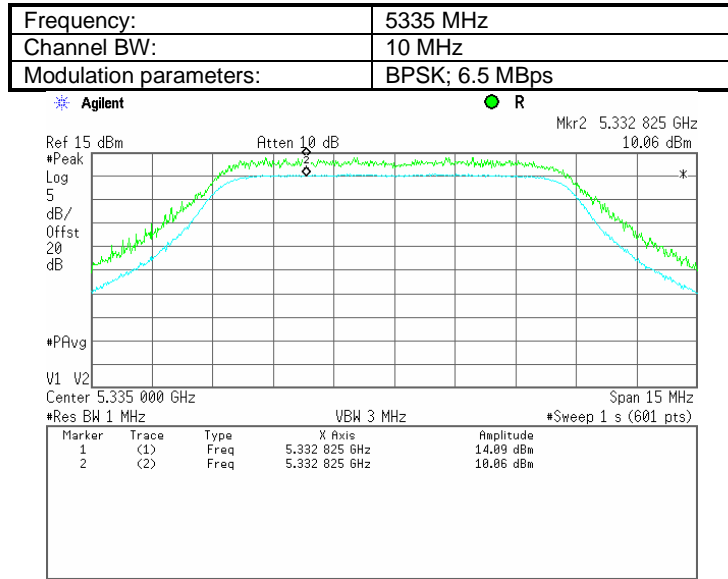


**Plot 7.2.26 Peak excursion measurement**

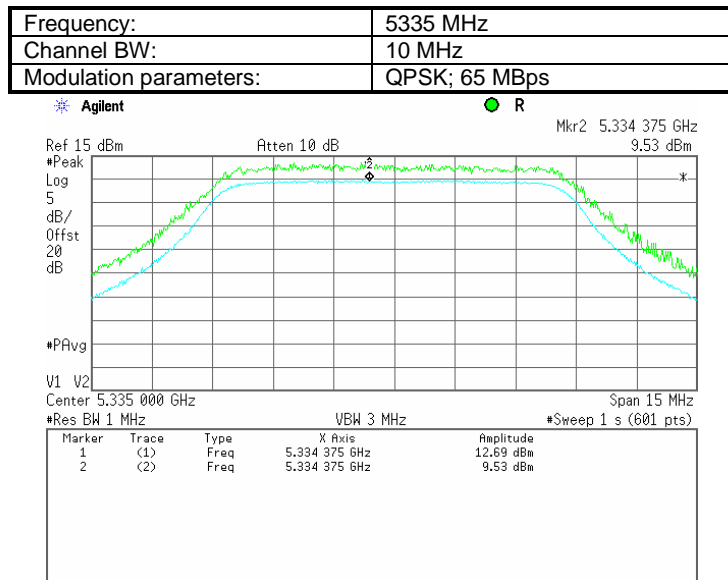


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.27 Peak excursion measurement**

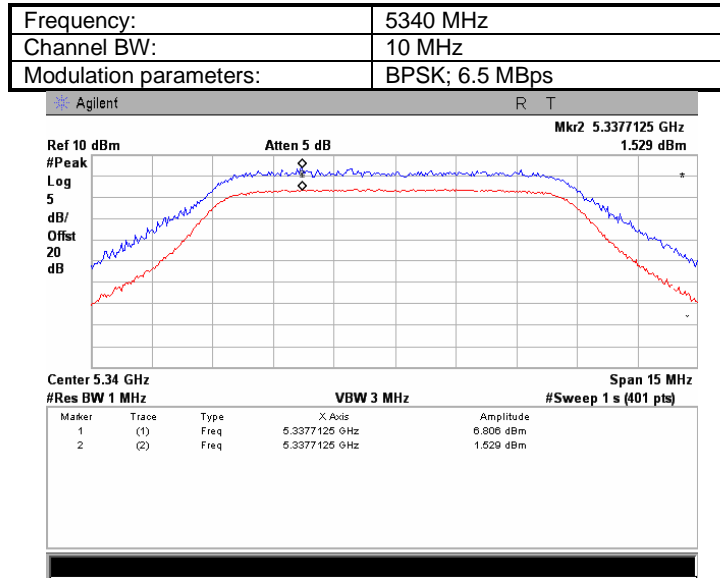


**Plot 7.2.28 Peak excursion measurement**

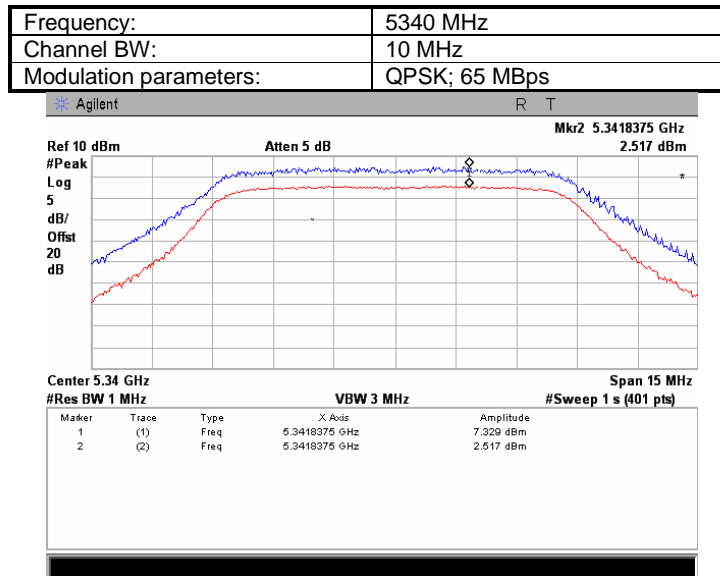


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.2.29 Peak excursion measurement

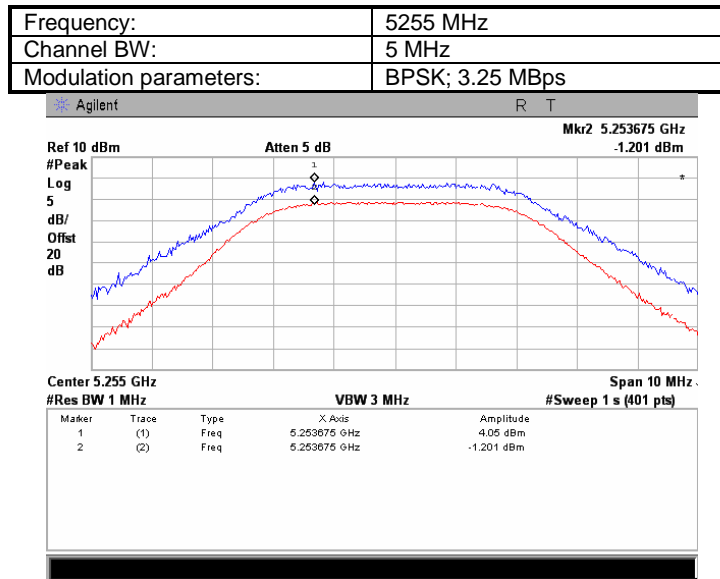


Plot 7.2.30 Peak excursion measurement

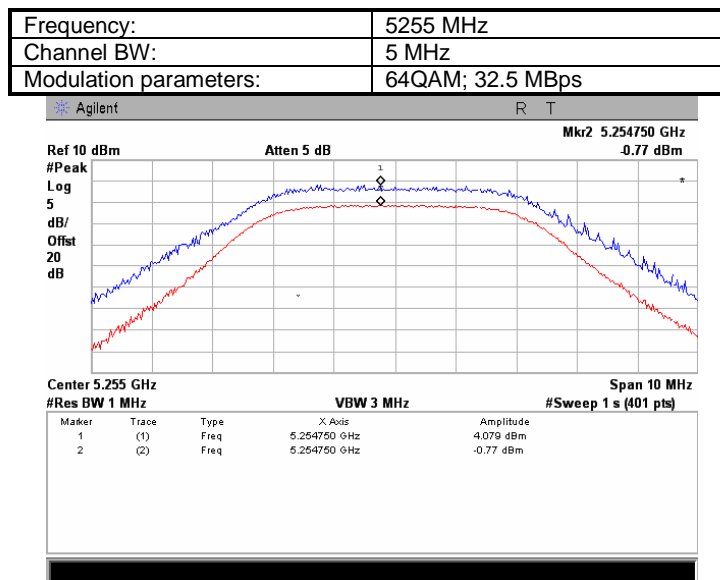


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.31 Peak excursion measurement**

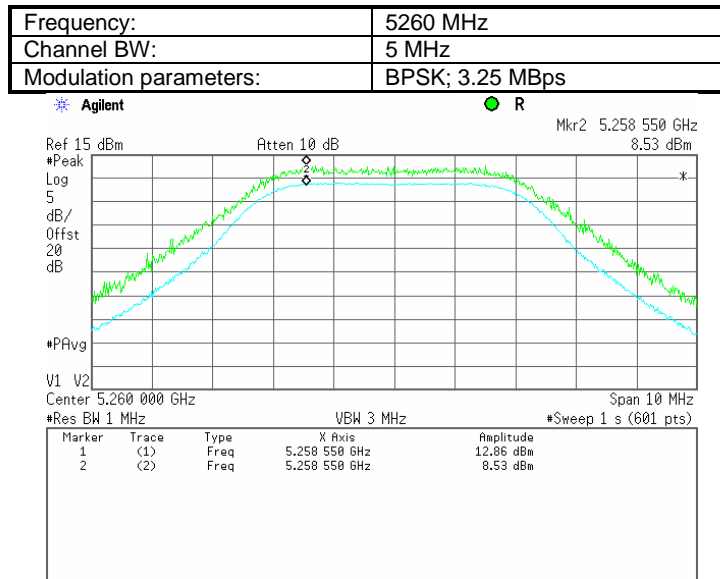


**Plot 7.2.32 Peak excursion measurement**

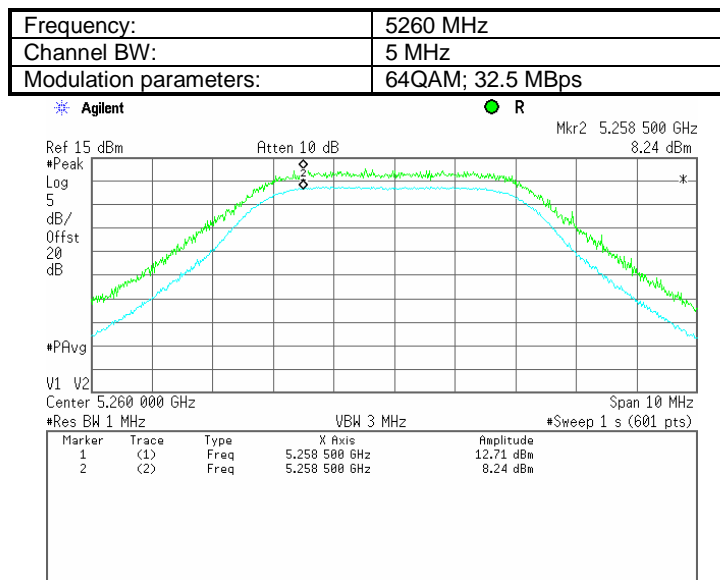


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.33 Peak excursion measurement**



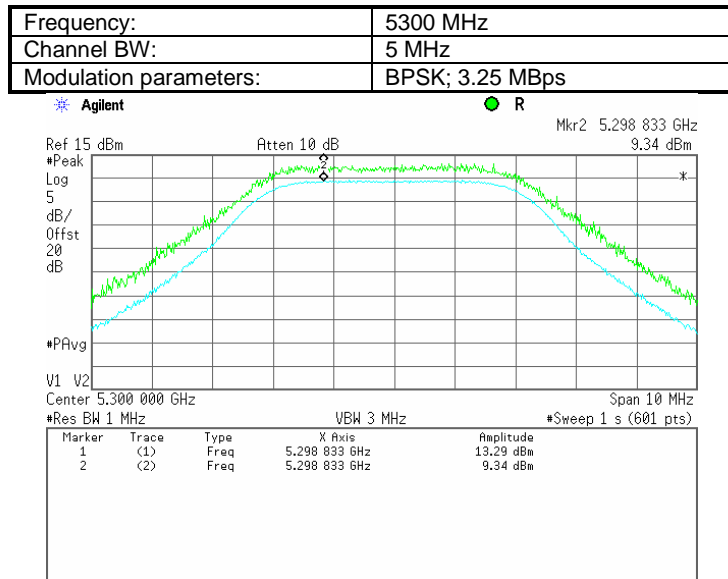
**Plot 7.2.34 Peak excursion measurement**



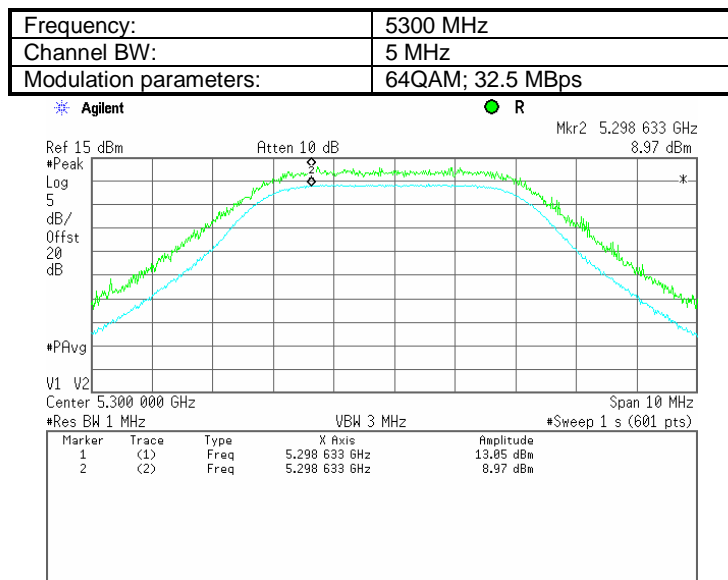


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.35 Peak excursion measurement**

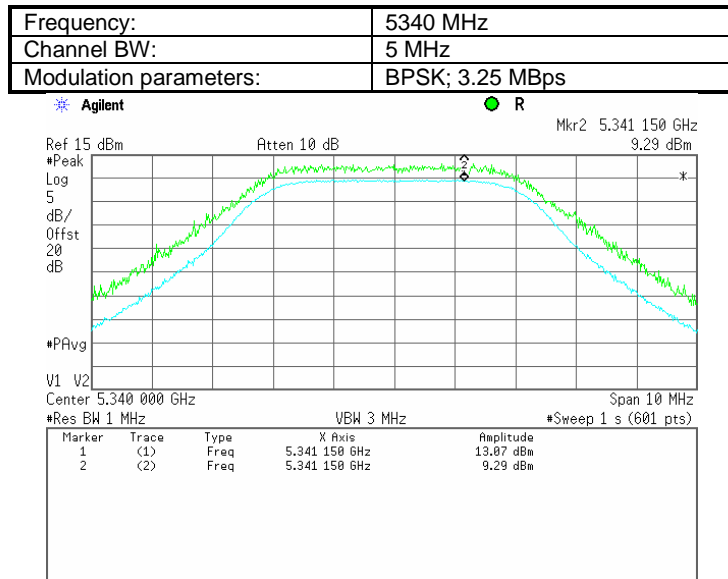


**Plot 7.2.36 Peak excursion measurement**

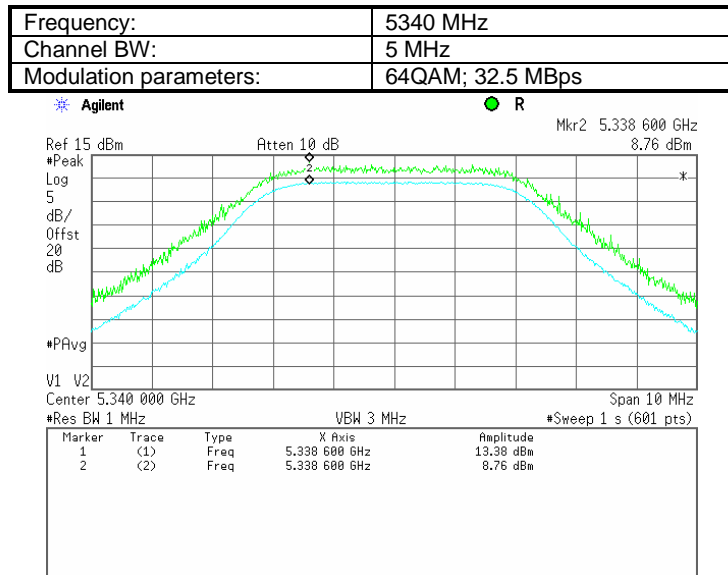


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

**Plot 7.2.37 Peak excursion measurement**

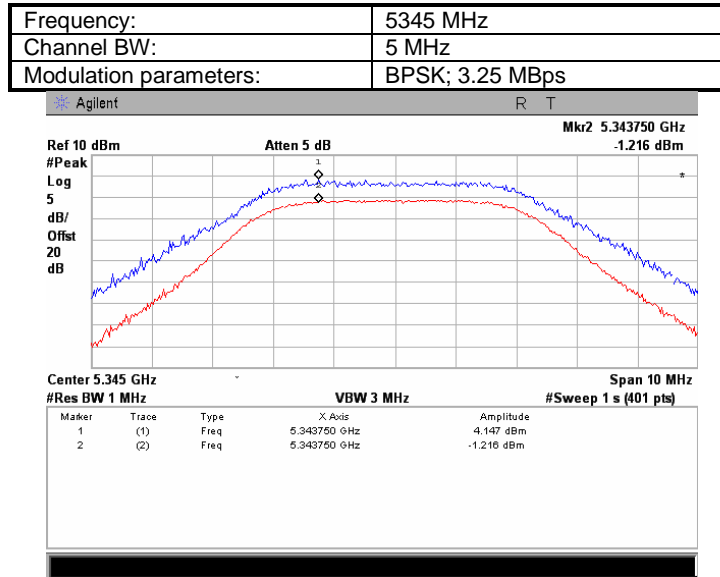


**Plot 7.2.38 Peak excursion measurement**

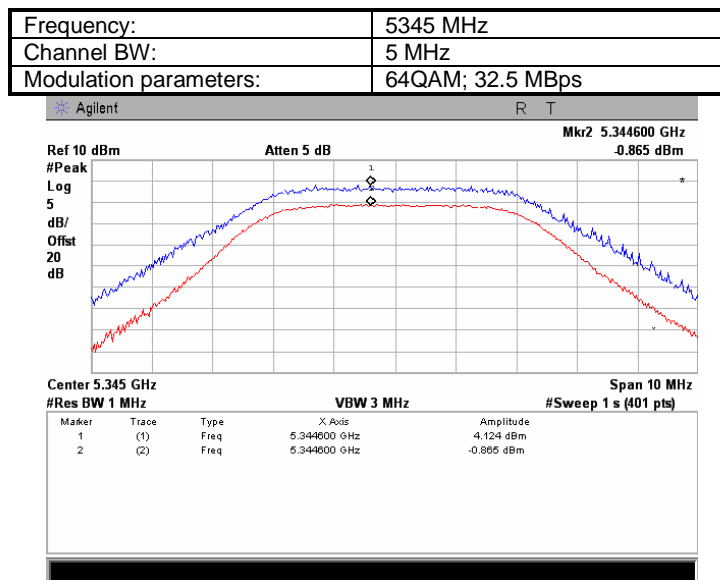


<b>Test specification:</b>	<b>FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power</b>		
<b>Test procedure:</b>	FCC Public Notice DA 02-2138, Appendix A		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/15/2009		
<b>Temperature:</b> 23 °C	<b>Air Pressure:</b> 1010 hPa	<b>Relative Humidity:</b> 49 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain			

Plot 7.2.39 Peak excursion measurement



Plot 7.2.40 Peak excursion measurement





<b>Test specification:</b>	<b>FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions</b>		
<b>Test procedure:</b>	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/08/2009		
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b>			

### 7.3 Field strength of spurious emissions

#### 7.3.1 General

This test was performed to measure field strength of spurious emissions from the EUT. Specification test limits are given in Table 7.3.1, Table 7.3.2.

**Table 7.3.1 Radiated spurious emissions limits below 1 GHz and within restricted bands above 1 GHz**

Frequency, MHz	Field strength at 3 m, dB(μV/m)***		
	Peak	Quasi Peak	Average
0.009 – 0.490*	NA	128.5 – 93.8**	NA
0.490 – 1.705*		73.8 – 63.0**	
1.705 – 30.0*		69.5**	
30 – 88		40.0	
88 – 216		43.5	
216 – 960		46.0	
960 - 1000		54.0	
Above 1000		74.0	

\*- The limit for 3 m test distance was calculated using the inverse square distance extrapolation factor as follows:  
$$\text{LimS2} = \text{LimS1} + 40 \log (S1/S2),$$

where S1 and S2 – standard defined and test distance respectively in meters.

\*\* - The limit decreases linearly with the logarithm of frequency.

\*\*\* - The field strength limits applied from the lowest radio frequency generated in the device, without going below 9 kHz up to the tenth harmonic of the highest fundamental frequency.

**Table 7.3.2 EIRP of undesirable emissions limits outside restricted bands (above 1 GHz)**

Frequency band, GHz	Out of band EIRP, dBm/MHz	Field strength at 3 m, dB(μV/m)
5.25 – 5.35	-27	68.23

#### 7.3.2 Test procedure for spurious emission field strength measurements in 9 kHz to 30 MHz band

**7.3.2.1** The EUT was set up as shown in Figure 7.3.1, energized and the performance check was conducted.

**7.3.2.2** The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360° and the measuring antenna was rotated around its vertical axis.

**7.3.2.3** The worst test results (the lowest margins) were recorded and shown in the associated plots.

#### 7.3.3 Test procedure for spurious emission field strength measurements above 30 MHz

**7.3.3.1** The EUT was set up as shown in Figure 7.3.2, energized and the performance check was conducted.

**7.3.3.2** The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360°, the measuring antenna height was changed from 1 to 4 m, its polarization was switched from vertical to horizontal.

**7.3.3.3** The worst test results (the lowest margins) were recorded and shown in the associated plots.



<b>Test specification:</b>	<b>FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions</b>		
<b>Test procedure:</b>	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/08/2009		
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b>			

Figure 7.3.1 Setup for spurious emission field strength measurements below 30 MHz

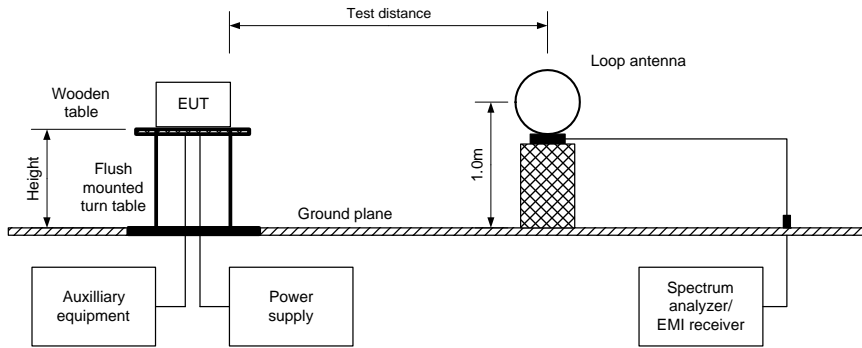
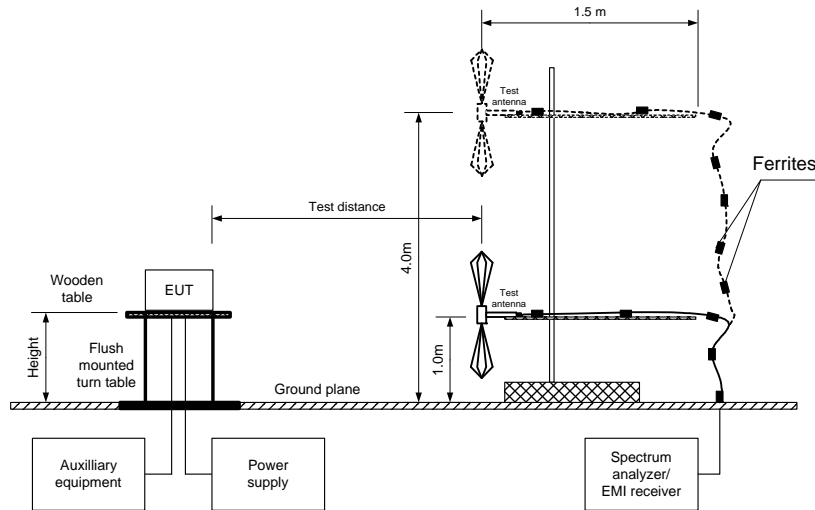


Figure 7.3.2 Setup for spurious emission field strength measurements above 30 MHz





<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

**Table 7.3.3 Field strength of spurious emissions below 1 GHz within restricted bands**

ASSIGNED FREQUENCY RANGE: 5250 - 5350 MHz  
 INVESTIGATED FREQUENCY RANGE: 0.009 - 1000 MHz  
 TEST SITE: Semi Anechoic Chamber  
 TEST DISTANCE: 3 m  
 MODULATION: OFDM, 64QAM  
 BIT RATE: 65 Mbps  
 DUTY CYCLE: 100 %  
 TRANSMITTER OUTPUT POWER: Maximum  
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)  
 9.0 kHz (150 kHz – 30 MHz)  
 120 kHz (30 MHz – 1000 MHz)  
 VIDEO BANDWIDTH: > Resolution bandwidth  
 TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)  
 Biconilog (30 MHz – 1000 MHz)  
 Double ridged guide (above 1000 MHz)

Frequency, MHz	Peak, dB(µV/m)	Quasi-peak dB(µV/m)			Antenna polariz.	Antenna height, m	Turntable position**, degrees	Verdict	
		Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*					
<b>Low channel (5260 MHz)</b>									
37.53722	34.80	30.50	40.0	-9.50	Vert	1.0	126	Pass	
400.00530	40.10	37.00	46.0	-9.00	Vert	1.0	179		
<b>Mid channel (5300 MHz)</b>									
37.53722	34.40	30.80	40.0	-9.20	Vert	1.0	126		
400.00530	40.50	37.10	46.0	-8.90	Vert	1.0	179		
<b>High channel (5340 MHz)</b>									
37.53722	34.70	31.20	40.0	-8.80	Vert	1.0	126		
400.00530	40.60	37.10	46.0	-8.90	Vert	1.0	179		

\*- Margin = Measured emission – specification limit.

\*\* - EUT front panel refers to 0 degrees position of turntable.

**Reference numbers of test equipment used**

HL 0446	HL 0521	HL 0604	HL 3123	HL 3616		
---------	---------	---------	---------	---------	--	--

Full description is given in Appendix A.



<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

**Table 7.3.4 Field strength of spurious emissions above 1 GHz within restricted bands**

ASSIGNED FREQUENCY RANGE: 5250 - 5350 MHz  
 INVESTIGATED FREQUENCY RANGE: 1000 - 40000 MHz  
 TEST SITE: Semi Anechoic Chamber  
 TEST DISTANCE: 3 m  
 MODULATION: OFDM, 64QAM  
 BIT RATE: 65 Mbps  
 DUTY CYCLE: 100 %  
 TRANSMITTER OUTPUT POWER: Maximum  
 RESOLUTION BANDWIDTH: 1000 kHz  
 VIDEO BANDWIDTH: > Resolution bandwidth  
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)

Frequency, MHz	Peak, dB(µV/m)			Average dB(µV/m)			Ant. polariz.	Ant. height, m	Turntable position**, degrees	Verdict
	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*				
<b>Low channel (5260 MHz)</b>										
All emissions were found more than 20 dB below the specified limit										
<b>Mid channel (5300 MHz)</b>										
10600.30	52.80	74.0	-21.20	40.50	54.0	-13.50	Vert	1.0	102	Pass
<b>High channel (5340 MHz)</b>										
10679.90	53.19	74.0	-20.81	39.36	54.0	-14.64	Vert	1.0	180	

\*- Margin = Measured emission – specification limit.  
 \*\*- EUT front panel refers to 0 degrees position of turntable.

**Reference numbers of test equipment used**

HL 0446	HL 0521	HL 0604	HL 0768	HL 0769	HL 1424	HL 1984	HL 2254
HL 2387	HL 2871	HL 2909	HL 2952	HL 3123	HL 3531	HL 3533	HL 3535
HL 3616							

Full description is given in Appendix A.

**Table 7.3.5 Restricted bands**

MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.37625 - 8.38675	73 - 74.6	399.9 - 410	2690 - 2900	10.6 - 12.7
0.495 - 0.505	8.41425 - 8.41475	74.8 - 75.2	608 - 614	3260 - 3267	13.25 - 13.4
2.1735 - 2.1905	12.29 - 12.293	108 - 121.94	960 - 1240	3332 - 3339	14.47 - 14.5
4.125 - 4.128	12.51975 - 12.52025	123 - 138	1300 - 1427	3345.8 - 3358	15.35 - 16.2
4.17725 - 4.17775	12.57675 - 12.57725	149.9 - 150.05	1435 - 1626.5	3600 - 4400	17.7 - 21.4
4.20725 - 4.20775	13.36 - 13.41	156.52475 - 156.52525	1645.5 - 1646.5	4500 - 5150	22.01 - 23.12
6.215 - 6.218	16.42 - 16.423	156.7 - 156.9	1660 - 1710	5350 - 5460	23.6 - 24
6.26775 - 6.26825	16.69475 - 16.69525	162.0125 - 167.17	1718.8 - 1722.2	7250 - 7750	31.2 - 31.8
6.31175 - 6.31225	16.80425 - 16.80475	167.72 - 173.2	2200 - 2300	8025 - 8500	36.43 - 36.5
8.291 - 8.294	25.5 - 25.67	240 - 285	2310 - 2390	9000 - 9200	Above 38.6
8.362 - 8.366	37.5 - 38.25	322 - 335.4	2483.5 - 2500	9300 - 9500	

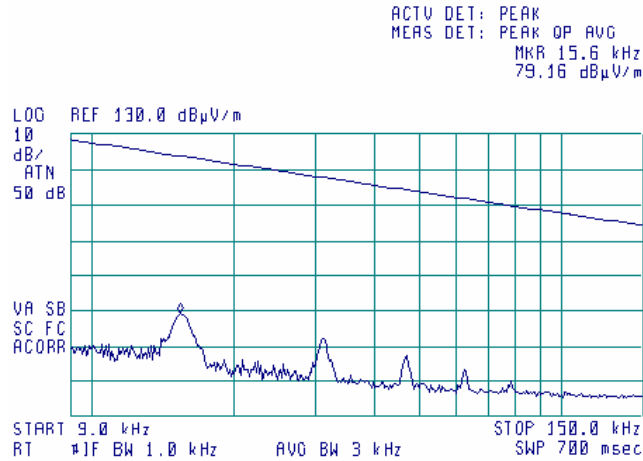


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

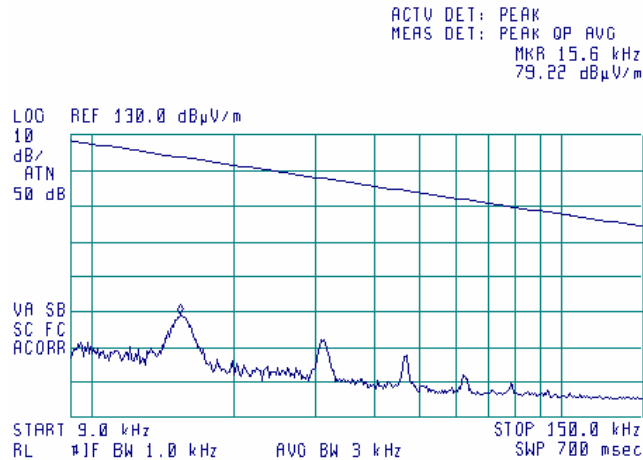
**Plot 7.3.1 Radiated emission measurements from 9 to 150 kHz at the low carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal



**Plot 7.3.2 Radiated emission measurements from 9 to 150 kHz at the mid carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal





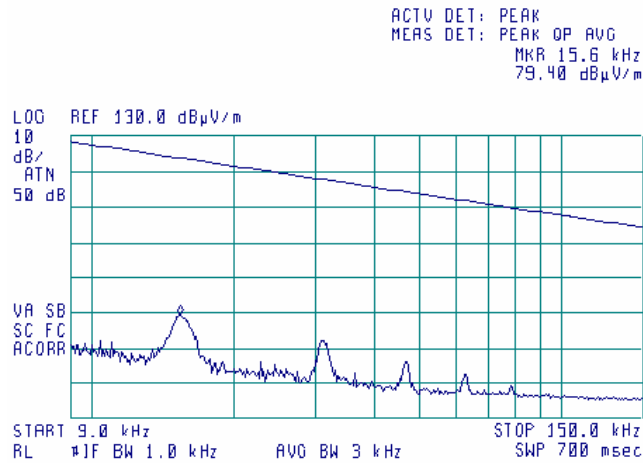


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions</b>	
<b>Test procedure:</b>		Public notice DA 00-705 / ANSI C63.4, Section 13.1.4	
<b>Test mode:</b>		Compliance	
<b>Date:</b>		12/08/2009	
<b>Temperature:</b> 18°C		<b>Air Pressure:</b> 1015 hPa	
<b>Relative Humidity:</b> 75 %		<b>Power Supply:</b> 120 VAC	
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

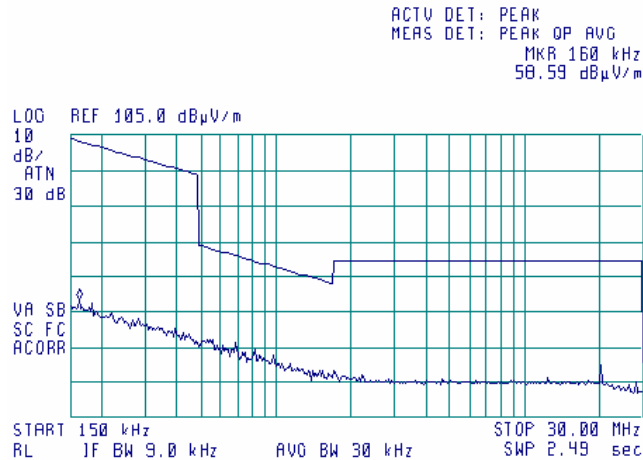
**Plot 7.3.3 Radiated emission measurements from 9 to 150 kHz at the high carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal



**Plot 7.3.4 Radiated emission measurements from 0.15 MHz to 30 MHz at the low carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal



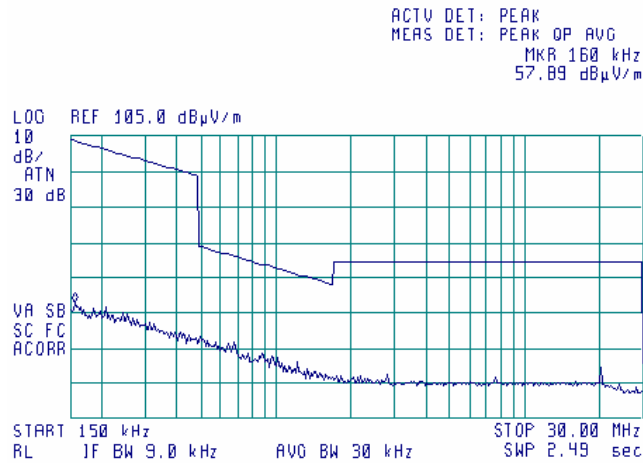


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

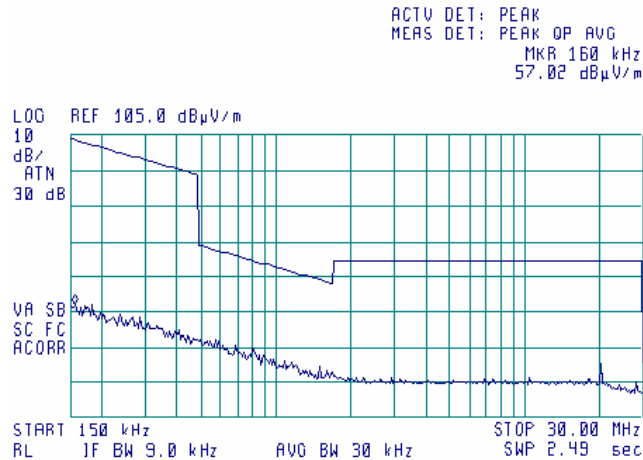
**Plot 7.3.5 Radiated emission measurements from 0.15 MHz to 30 MHz at the mid carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal



**Plot 7.3.6 Radiated emission measurements from 0.15 MHz to 30 MHz at the high carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal





HERMON LABORATORIES

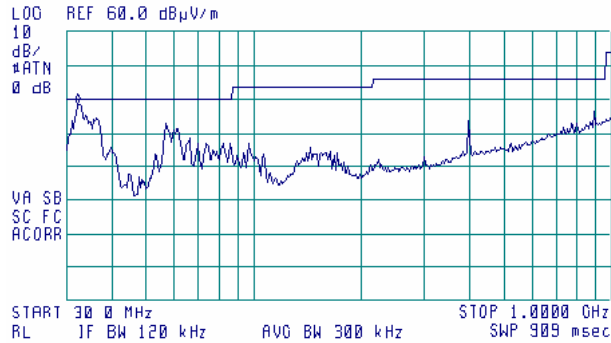
<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

Plot 7.3.7 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

TEST SITE: Semi Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal

20:08:30 DEC 08, 2009

ACTV DET: PEAK  
MEAS DET: PEAK OP AVG  
MKR 32.5 MHz  
38.47 dBµV/m



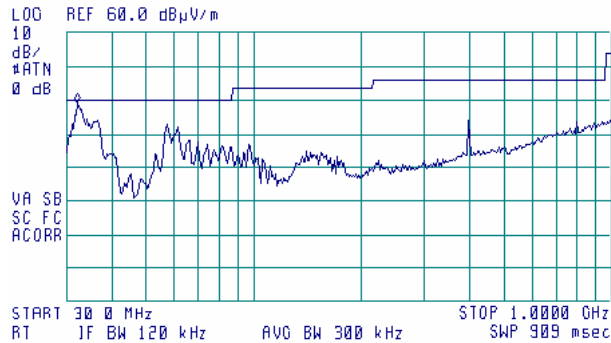
Note: Maximum peak emission was found outside restricted band

Plot 7.3.8 Radiated emission measurements from 30 MHz to 1000 MHz at the mid carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal

20:24:15 DEC 08, 2009

ACTV DET: PEAK  
MEAS DET: PEAK OP AVG  
MKR 32.5 MHz  
39.31 dBµV/m



Note: Maximum peak emission was found outside restricted band



HERMON LABORATORIES

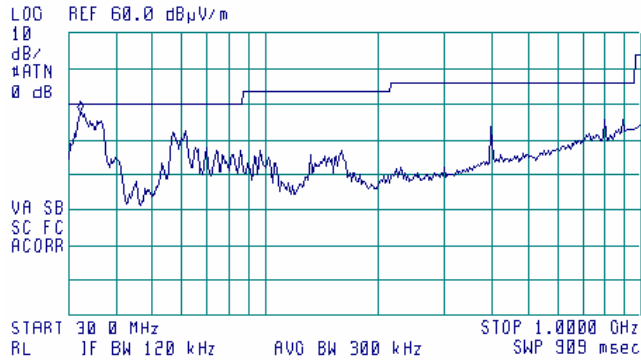
<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

**Plot 7.3.9 Radiated emission measurements from 30 MHz to 1000 MHz at the high carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal

20:27:38 DEC 08, 2009

ACTV DET: PEAK  
MERS DET: PEAK QP AVG  
MKR 32.5 MHz  
37.99 dBµV/m



Note: Maximum peak emission was found outside restricted band



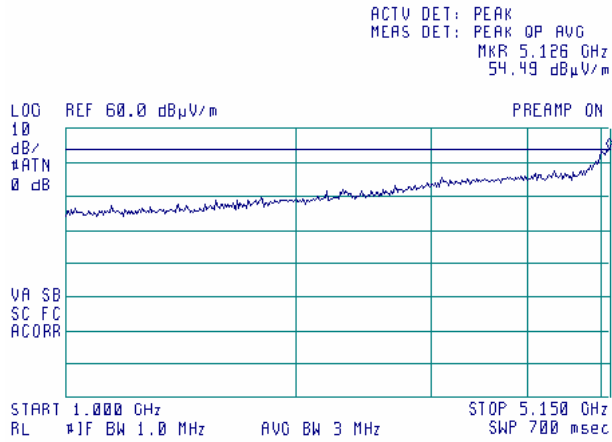
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

Plot 7.3.10 Radiated emission measurements from 1.0 to 5.15 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak

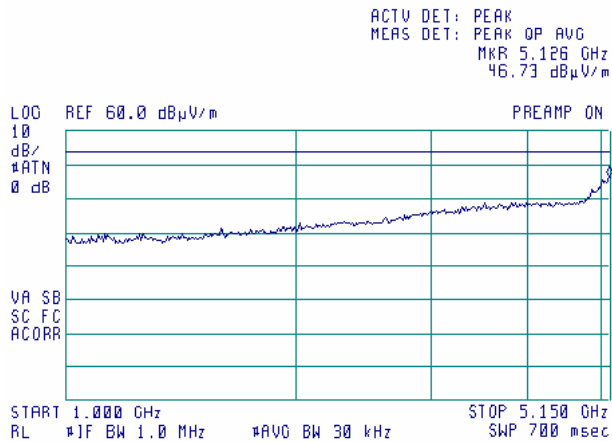
21:18:04 DEC 08, 2009



Plot 7.3.11 Radiated emission measurements from 1.0 to 5.15 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Average

21:19:01 DEC 08, 2009





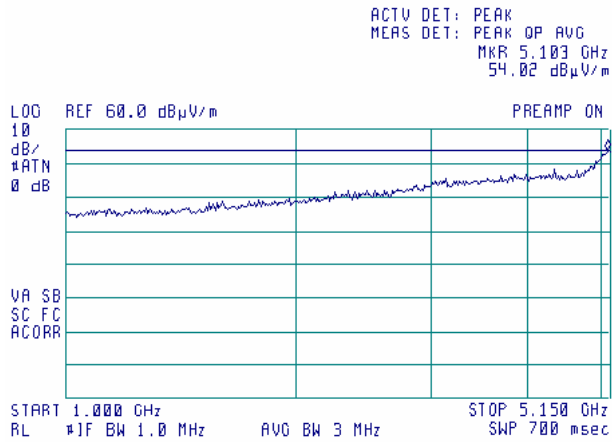
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

Plot 7.3.12 Radiated emission measurements from 1.0 to 5.15 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak

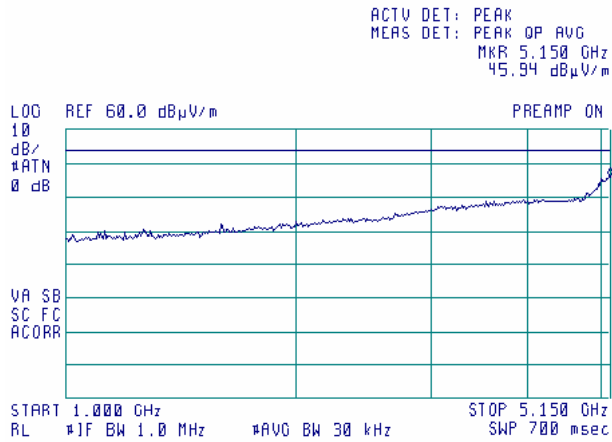
21:16:03 DEC 08, 2009



Plot 7.3.13 Radiated emission measurements from 1.0 to 5.15 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Average

21:14:41 DEC 08, 2009





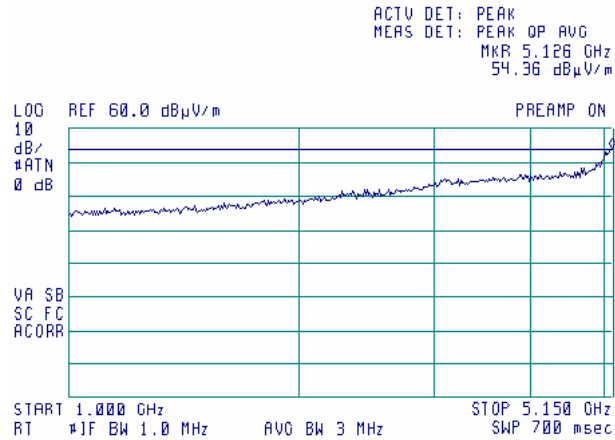
HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

Plot 7.3.14 Radiated emission measurements from 1.0 to 5.15 GHz at the high carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak

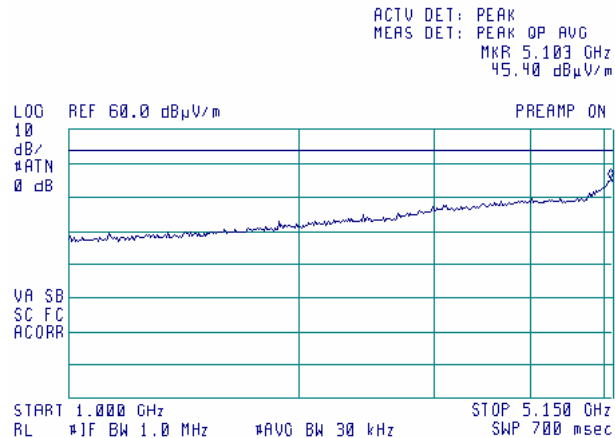
21:16:54 DEC 08, 2009



Plot 7.3.15 Radiated emission measurements from 1.0 to 5.15 GHz at the high carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Average

21:08:17 DEC 08, 2009



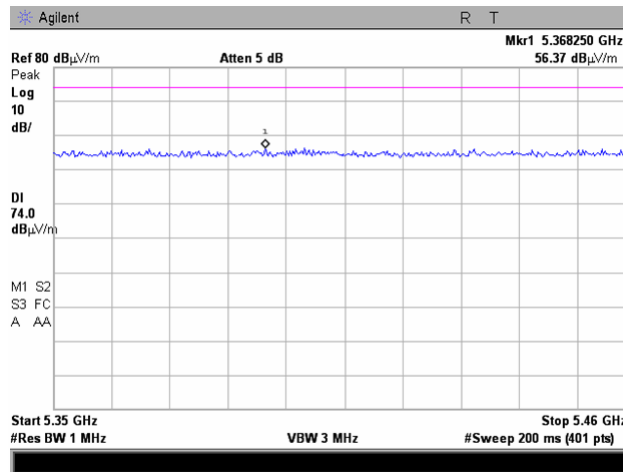


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

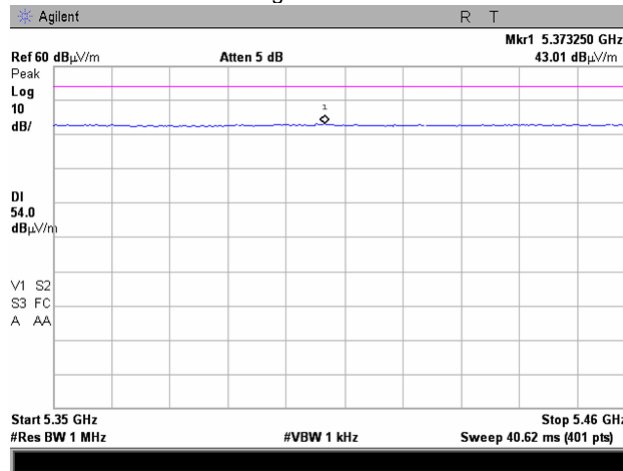
Plot 7.3.16 Radiated emission measurements from 5.35 to 5.46 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak



Plot 7.3.17 Radiated emission measurements from 5.35 to 5.46 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Average





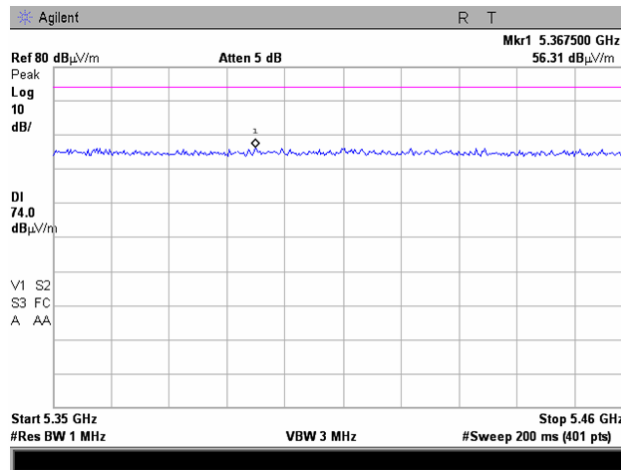


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

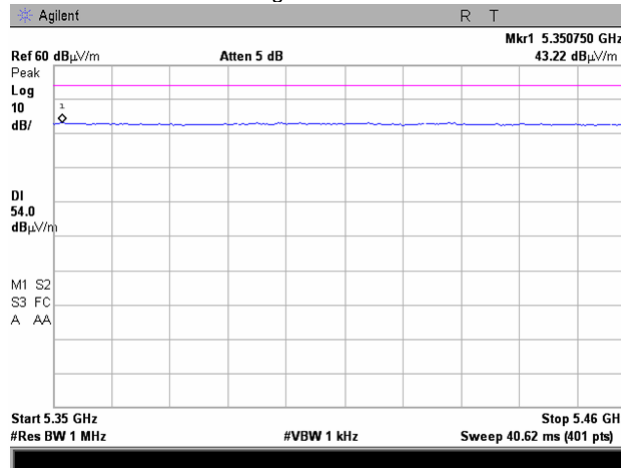
Plot 7.3.18 Radiated emission measurements from 5.35 to 5.46 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak



Plot 7.3.19 Radiated emission measurements from 5.35 to 5.46 GHz at the mid carrier frequency

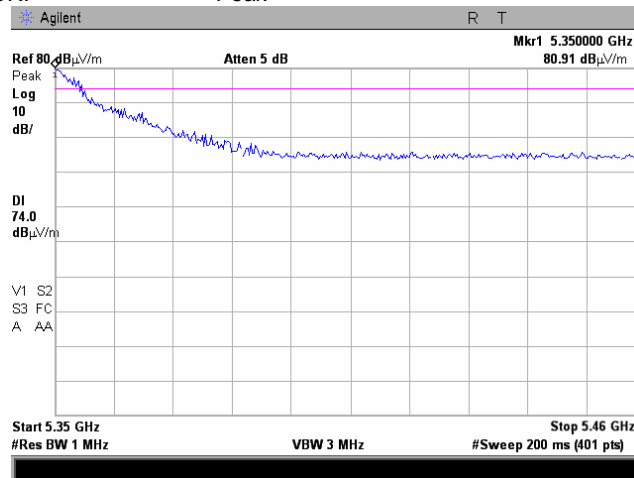
TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Average



<b>Test specification:</b>		<b>FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions</b>	
<b>Test procedure:</b>		Public notice DA 00-705 / ANSI C63.4, Section 13.1.4	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	PASS
<b>Date:</b>	12/08/2009		
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

**Plot 7.3.20 Radiated emission measurements from 5.35 to 5.46 GHz at the high carrier frequency**

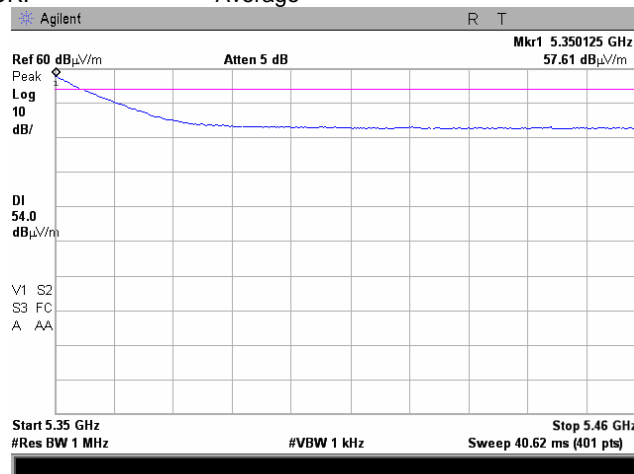
TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak



NOTE: Band edge radiated emission compliance with 74 dBuV limit was demonstrated by measurements as referred in plots of section 7.4.

**Plot 7.3.21 Radiated emission measurements from 5.35 to 5.46 GHz at the high carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Average



NOTE: Band edge radiated emission compliance with 54 dBuV limit was demonstrated by measurements as referred in plots of section 7.4.

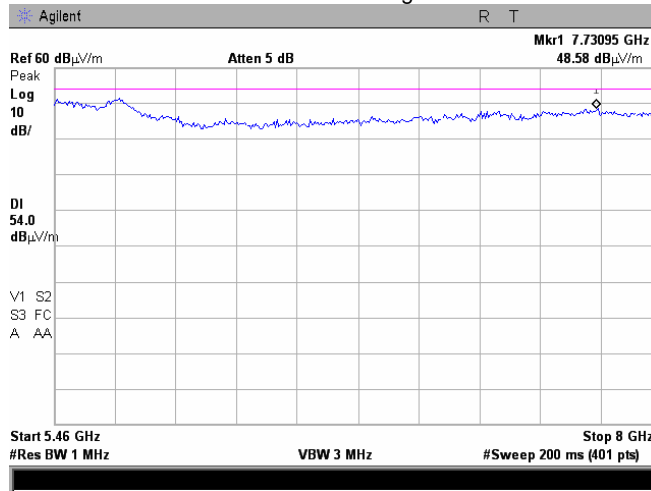


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

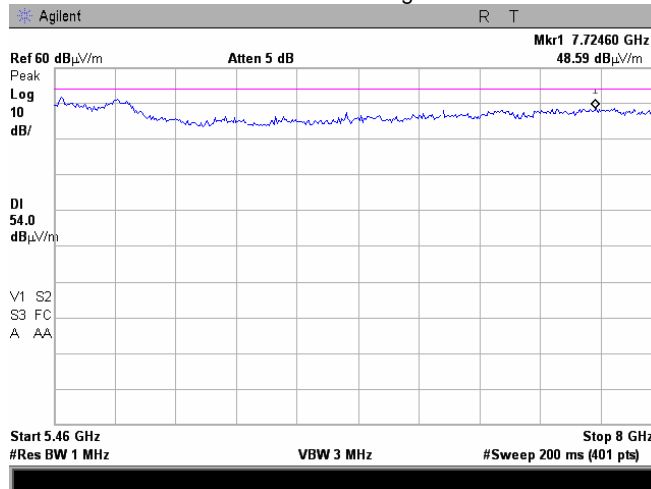
Plot 7.3.22 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak under average limit



Plot 7.3.23 Radiated emission measurements from 5.46 to 8 GHz at the mid carrier frequency

TEST SITE: Anechoic chamber  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak under average limit



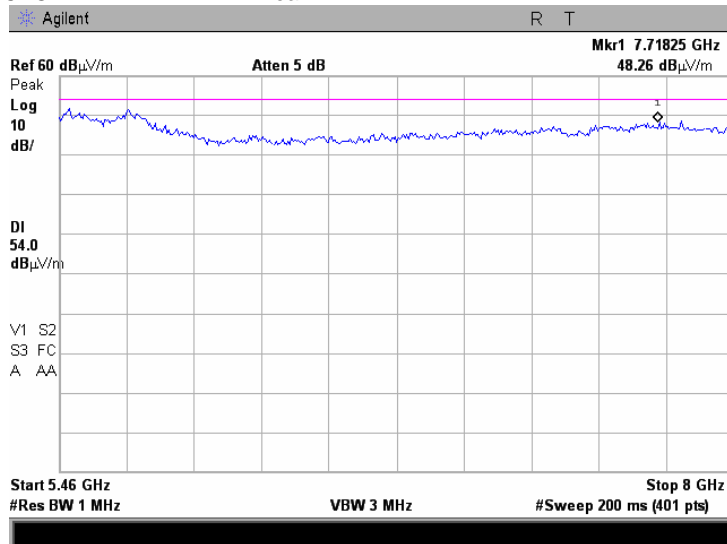


HERMON LABORATORIES

<b>Test specification:</b>		<b>FCC section 15.407(b), RSS-210 Annex 9, section A9.2 Unwanted radiated emissions</b>	
<b>Test procedure:</b>		Public notice DA 00-705 / ANSI C63.4, Section 13.1.4	
<b>Test mode:</b>	Compliance	<b>Verdict:</b>	<b>PASS</b>
<b>Date:</b>	12/08/2009		
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

**Plot 7.3.24 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency**

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak



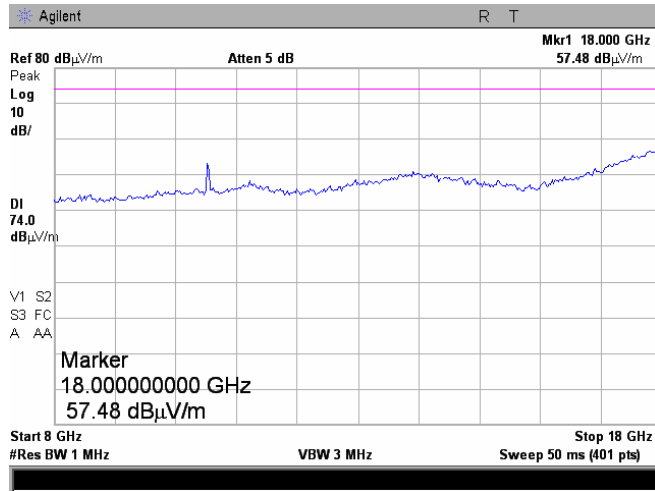


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

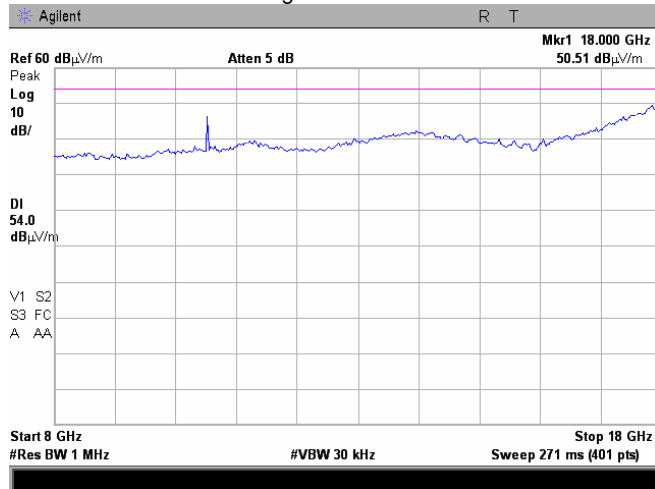
Plot 7.3.25 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak



Plot 7.3.26 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

TEST SITE: Anechoic chamber  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Average



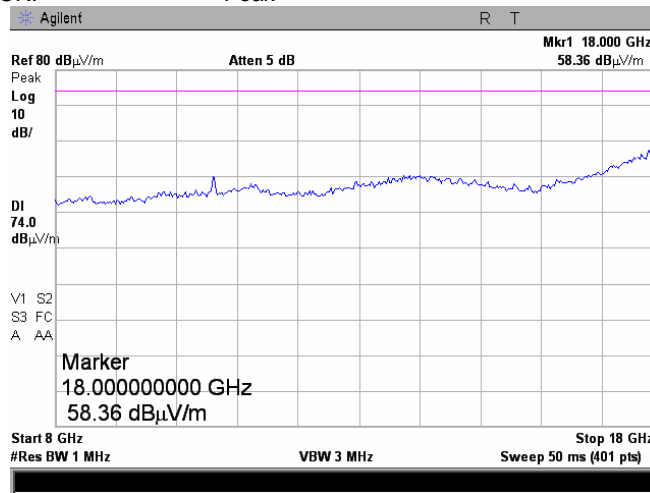


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

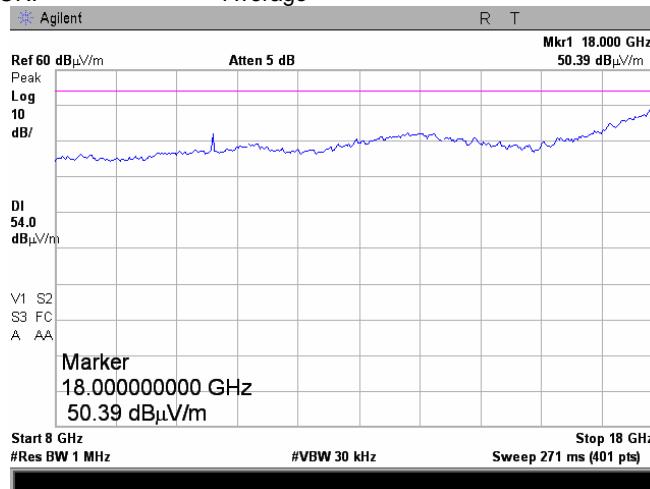
Plot 7.3.27 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

TEST SITE: OATS  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak



Plot 7.3.28 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

TEST SITE: OATS  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Average



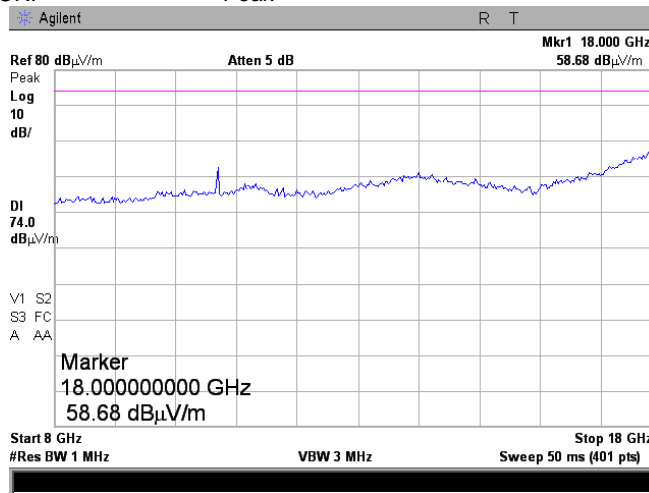


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

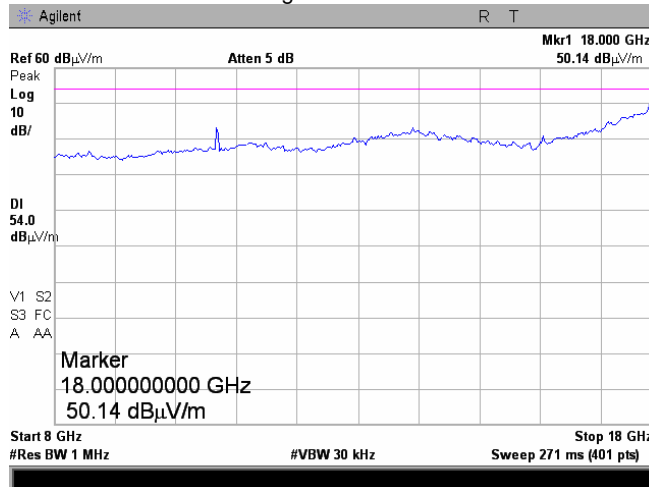
Plot 7.3.29 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

TEST SITE: OATS  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Peak



Plot 7.3.30 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

TEST SITE: OATS  
TEST DISTANCE: 3 m  
ANTENNA POLARIZATION: Vertical and Horizontal  
DETECTOR: Average



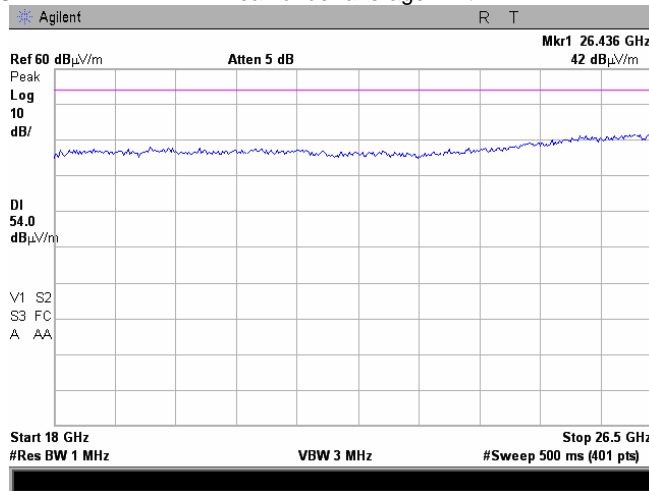


HERMON LABORATORIES

<b>Test specification:</b> FCC section 15.407(b), RSS-210 Annex 9, section A9.2 <b>Unwanted radiated emissions</b>			
<b>Test procedure:</b> Public notice DA 00-705 / ANSI C63.4, Section 13.1.4			
<b>Test mode:</b> Compliance	<b>Verdict:</b> PASS		
<b>Date:</b> 12/08/2009			
<b>Temperature:</b> 18°C	<b>Air Pressure:</b> 1015 hPa	<b>Relative Humidity:</b> 75 %	<b>Power Supply:</b> 120 VAC
<b>Remarks:</b> EUT with 6 dBi antenna assembly gain, flat antenna			

Plot 7.3.31 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

TEST SITE: OATS  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak under average limit



Plot 7.3.32 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

TEST SITE: OATS  
 TEST DISTANCE: 3 m  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 DETECTOR: Peak under average limit

