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Electrical

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TEST REPORT

ACCORDING TO: FCC part 15 subpart E and RSS-210 Issue 7, Annex 9

FOR:

RadWin Ltd.

Outdoor radio unit operating in the 5.8 GHz band

Model:RADWIN 1000, RADWIN 2000

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1 Applicant information

Client name:	RadWin Ltd.
Address:	32 Habarzel str., Tel Aviv 69710, Israel
Telephone:	+972 3766 2988
Fax:	+972 3766 2922
E-mail:	shlomo_weiss@radwin.com
Contact name:	Mr. Shlomo Weiss

2 Equipment under test attributes

Product name:	Outdoor radio unit operating in the 5.8 GHz band
Product type:	Point to point transceiver
Model(s):	RADWIN 2000
Serial number:	PUI580E100999999
Receipt date	3/22/2010

3 Manufacturer information

Manufacturer name:	RadWin Ltd.
Address:	32 Habarzel str., Tel Aviv 69710, Israel,
Telephone:	+972 3766 2988
Fax:	+972 3766 2922
E-Mail:	shlomo_weiss@radwin.com
Contact name:	Mr. Shlomo Weiss

4 Test details

Project ID:	20597
Location:	Hermon Laboratories Ltd. P.O.Box 23, Binyamina 30500, Israel
Test started:	3/22/2010
Test completed:	4/15/2010
Test specification(s):	FCC part 15 subpart E; RSS-210 Issue 7:2007, Annex 9 RSS-Gen Issue 2:2007

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5 Tests summary

Test	Status
Transmitter characteristics	
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 A9.3, Unwanted radiated emission	Pass
FCC Section 15.407(b) / RSS-210, Section A9.3, Unwanted conducted emission	Pass
FCC Section 15.407(b)(6), 15.207/ RSS-Gen, Section 7.2.2, Conducted emission	Pass
FCC Section 15.407(f), / RSS-Gen, Section 5.5, RF exposure	Pass
FCC Section 15.407(g), / RSS-210, Section A9.5, Frequency stability	Pass
RSS-Gen, Section 7.2.3.2, Receiver spurious radiated emission	Pass
RSS-Gen, Section 4.6.1, 99% emission occupied bandwidth	Measured

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.20597”.

	Name and Title	Date	Signature
Tested by:	Mr. S. Samokha, test engineer	April 15, 2010	
Reviewed by:	Mrs. M. Cherniavsky, certification engineer	April 18, 2010	
Approved by:	Mr. M. Nikishin, EMC and radio group manager	May 31, 2010	

6 EUT description

6.1 General information

RADWIN 1000/RADWIN 2000 is an outdoor radio unit (ODU). The power and the Ethernet communication are supplied by an indoor unit (IDU) or PoE device. It has 2 antenna configurations – integrated and connectorized that can support dual pole antenna type. RADWIN 1000 activates one RF port and RADWIN 2000 – two ports.

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	FTP	1.5	Indoor

*- corresponding feeder loss was supported by set of suitable attenuators

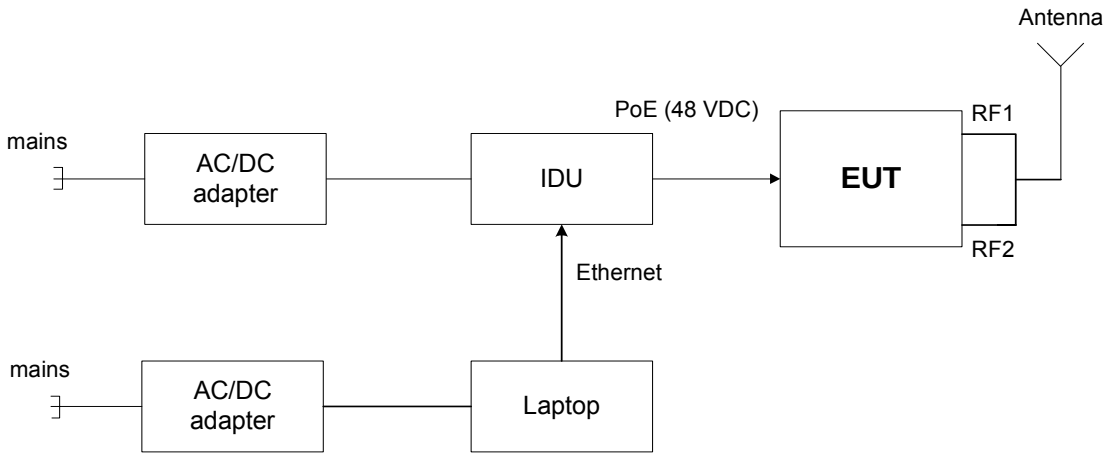
6.3 Support and test equipment

Description	Manufacturer	Model number	Serial number
IDU (for configuration with ODU)	RadWin Ltd.	IDU-E	DE000201267
AC/DC adapter	Switchbox	GPSU16E-8	EJ507542
Laptop	IBM	ThinkPad R50-e	99-DYCR3
AC/DC adapter	IBM	08K8202	11S08K8202Z1 ZAC755Y4F5

6.4 Changes made in the EUT

No changes were implemented.

6.5 Test configuration



6.6 Transmitter characteristics

Type of equipment					
X	Stand-alone (Equipment with or without its own control provisions)				
Intended use	**Condition of use**				
X	fixed	Always at a distance more than 2 m from all people			
Assigned frequency range	5725 - 5825 MHz				
Operating frequency range	5730 - 5820 MHz				
Maximum rated output power	**Peak (conducted)**	Antenna 22.5 dBi & Antenna 23.5 dBi	EBW 5 MHz 17.58 dBm EBW 10 MHz 26.39 dBm EBW 20 MHz 26.37 dBm EBW 40 MHz 24.44 dBm		
		Antenna 28 dBi	EBW 5 MHz 11.68 dBm EBW 10 MHz 23.37 dBm EBW 20 MHz 24.54 dB EBW 40 MHz 23.85 dBm		
		Antenna 6 dBi	EBW 5 MHz 23.14 dBm EBW 10 MHz 26.11 dBm EBW 20 MHz 26.71 dBm EBW 40 MHz 29.36 dBm		
Antenna connection					
unique coupling	X	standard connector, N-type	integral	X	with temporary RF connector
					without temporary RF connector

Antenna/s technical characteristics			
Type	Manufacturer	Model number	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	22.5 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)

Nominal channel bandwidth	**Transmitter aggregate data rate/s, MBps**	**Type of modulation**
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

Maximum transmitter duty cycle in normal use	92%
Transmitter duty cycle supplied for test	100%

Table 6.6.1 Measurement frequencies

Channel bandwidth, MHz	**Channel frequency, MHz**				
	Low band edge	**Low in band**	**Mid**	**High in band**	**High band edge**
5	5730	5735	5775	5815	5820
5 (with 6 dBi antenna)	5730	NA	5775	NA	5820
10	5735	5740	5775	5810	5815
10 (with 6 dBi antenna)	5730	5735	5775	5815	5820
20 (with 6 dBi antenna)	5735	5740	5775	5810	5815
20 (with 22.5 dBi and 28 dBi antennas)	5735	5755	5775	5795	5815
40	5745	NA	5775	NA	5805

Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks:			

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
5725 - 5825	The lesser of 1 W or 17 dBm +10 log B**	17.0	1.0

*Note: “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.

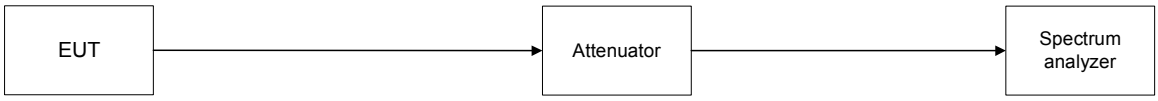
7.1.2.3 The measurements were performed in continuous transmission mode of operation for carrier (channel) frequencies at low and high edges and at the middle of the frequency range shown in Table 7.1.1. The transmitter 26 dB bandwidth was measured with spectrum analyzer as frequency delta between reference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



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.2 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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 BANDWUIDTH 40 MHz

Frequency, MHz	26 dB Bandwidth	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
Low channel Band Edge								
5745.0	46.800	27	BPSK	20.95	23.95	30.00	-6.05	Pass
5745.0	47.400	270	64QAM	20.96	23.96	30.00	-6.04	Pass
Mid channel								
5775.0	49.650	27	BPSK	26.36	29.36	30.00	-0.64	Pass
5775.0	48.150	270	64QAM	26.26	29.26	30.00	-0.74	Pass
High channel Band Edge								
5805.0	47.700	27	BPSK	20.09	23.09	30.00	-6.91	Pass
5805.0	46.950	270	64QAM	19.95	22.95	30.00	-7.05	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.3 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge								
5735	23.400	13	BPSK	15.37	18.37	30.00	-11.63	Pass
5735	23.700	130	64QAM	15.56	18.56	30.00	-11.44	Pass
Low channel In-Band								
5740	23.775	13	BPSK	23.55	26.55	30.00	-3.45	Pass
5740	23.325	130	64QAM	23.63	26.63	30.00	-3.37	Pass
Mid channel								
5775	24.375	13	BPSK	22.85	25.85	30.00	-4.15	Pass
5775	23.925	130	64QAM	23.71	26.71	30.00	-3.29	Pass
High channel In-Band								
5810	24.000	13	BPSK	22.71	25.71	30.00	-4.29	Pass
5810	23.100	130	64QAM	22.30	25.30	30.00	-4.70	Pass
High channel Band Edge								
5815	23.550	13	BPSK	14.68	17.68	30.00	-12.32	Pass
5815	23.775	130	64QAM	14.74	17.74	30.00	-12.26	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.4 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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**	
Low channel Band Edge								
5730	14.350	6.5	BPSK	11.03	14.03	28.07	-14.04	Pass
5730	13.400	65	64QAM	11.42	14.42	27.77	-13.35	Pass
Low channel In-Band								
5735	15.150	6.5	BPSK	22.65	25.65	28.30	-2.65	Pass
5735	14.000	65	64QAM	22.58	25.58	27.96	-2.38	Pass
Mid channel								
5775	14.200	6.5	BPSK	22.64	25.64	28.02	-2.38	Pass
5775	14.700	65	64QAM	23.11	26.11	28.17	-2.06	Pass
High channel In-Band								
5815	14.150	6.5	BPSK	22.21	25.21	28.01	-2.80	Pass
5815	14.650	65	64QAM	21.85	24.85	28.16	-3.31	Pass
High channel Band Edge								
5820	14.750	6.5	BPSK	9.71	12.71	28.19	-15.48	Pass
5820	14.050	65	64QAM	9.70	12.70	27.98	-15.28	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.5 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge								
5730	6.750	3.25	BPSK	20.14	23.14	24.79	-1.65	Pass
5730	6.825	32.5	64QAM	20.04	23.04	24.84	-1.80	Pass
Mid channel								
5775	6.900	3.25	BPSK	20.01	23.01	24.89	-1.88	Pass
5775	6.825	32.5	64QAM	19.62	22.62	24.84	-2.22	Pass
High channel Band Edge								
5820	7.050	3.25	BPSK	19.22	22.22	24.98	-2.76	Pass
5820	6.800	32.5	64QAM	18.59	21.59	24.83	-3.24	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Reference numbers of test equipment used

HL 2909	HL 2953	HL 3768	HL 3776	HL 3787			

Full description is given in Appendix A.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.6 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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**	
Low channel Band Edge							
5745.0	27	BPSK	0.91	3.91	17.0	-13.09	Pass
5745.0	270	64QAM	0.90	3.90	17.0	-13.10	Pass
Mid channel							
5775.0	27	BPSK	6.18	9.18	17.0	-7.82	Pass
5775.0	270	64QAM	6.23	9.23	17.0	-7.77	Pass
High channel Band Edge							
5805.0	27	BPSK	0.51	3.51	17.0	-13.49	Pass
5805.0	270	64QAM	0.14	3.14	17.0	-13.86	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.7 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge							
5735	13	BPSK	-1.99	1.01	17.0	-15.99	Pass
5735	130	64QAM	-2.29	0.71	17.0	-16.29	Pass
Low channel In-Band							
5740	13	BPSK	7.36	10.36	17.0	-6.64	Pass
5740	130	64QAM	6.68	9.68	17.0	-7.32	Pass
Mid channel							
5775	13	BPSK	6.46	9.46	17.0	-7.54	Pass
5775	130	64QAM	5.99	8.99	17.0	-8.01	Pass
High channel In-Band							
5810	13	BPSK	5.46	8.46	17.0	-8.54	Pass
5810	130	64QAM	6.39	9.39	17.0	-7.61	Pass
High channel Band Edge							
5815	13	BPSK	-3.13	-0.13	17.0	-17.13	Pass
5815	130	64QAM	-2.83	0.17	17.0	-16.83	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.8 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge							
5730	6.5	BPSK	-3.67	-0.67	17.0	-17.67	Pass
5730	65	64QAM	-3.82	-0.82	17.0	-17.82	Pass
Low channel In-Band							
5735	6.5	BPSK	7.90	10.90	17.0	-6.10	Pass
5735	65	64QAM	8.52	11.52	17.0	-5.48	Pass
Mid channel							
5775	6.5	BPSK	7.75	10.75	17.0	-6.25	Pass
5775	65	64QAM	7.70	10.70	17.0	-6.30	Pass
High channel In-Band							
5815	6.5	BPSK	6.53	9.53	17.0	-7.47	Pass
5815	65	64QAM	7.35	10.35	17.0	-6.65	Pass
High channel Band Edge							
5820	6.5	BPSK	-4.78	-1.78	17.0	-18.78	Pass
5820	65	64QAM	-4.56	-1.56	17.0	-18.56	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

Table 7.1.9 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
23.5 dBi 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**	
Low channel Band Edge							
5730	3.25	BPSK	8.32	11.32	17.0	-5.68	Pass
5730	32.5	64QAM	9.26	12.26	17.0	-4.74	Pass
Mid channel							
5775	3.25	BPSK	7.94	10.94	17.0	-6.06	Pass
5775	32.5	64QAM	7.47	10.47	17.0	-6.53	Pass
High channel Band Edge							
5820	3.25	BPSK	7.50	10.50	17.0	-6.50	Pass
5820	32.5	64QAM	6.93	9.93	17.0	-7.07	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Reference numbers of test equipment used

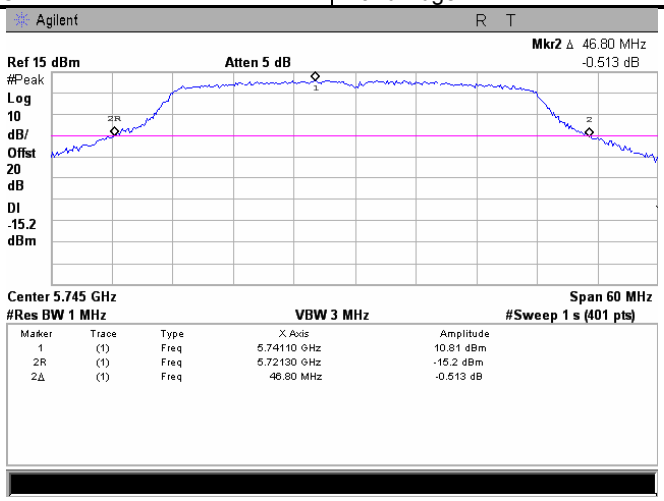
HL 2909	HL 2953	HL 3768	HL 3776	HL 3787			

Full description is given in Appendix A.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

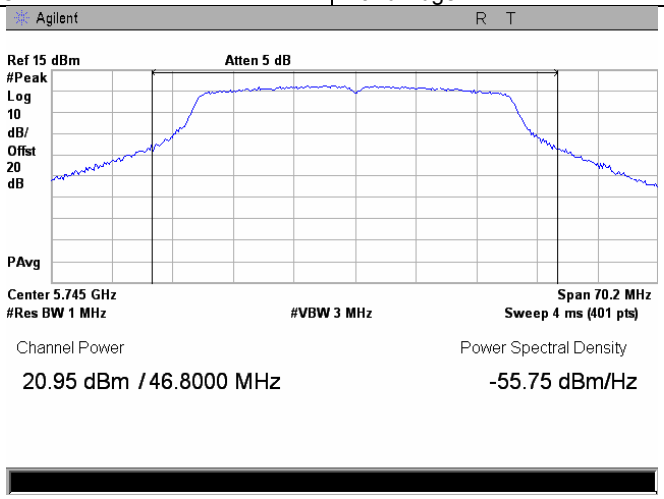
Plot 7.1.1 The 26 dB emission bandwidth

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.2 Peak output power

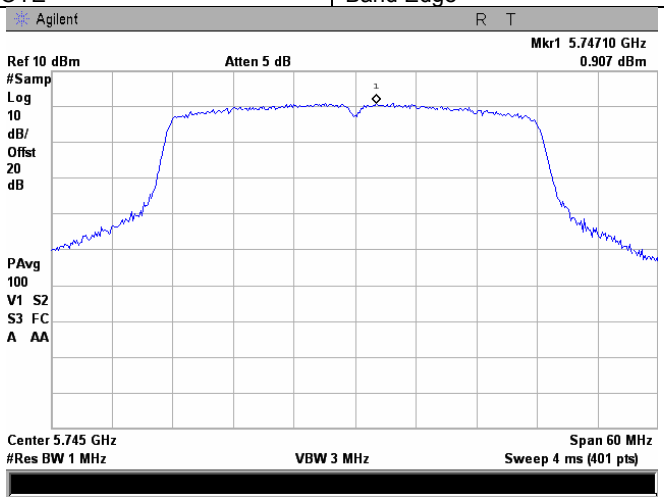
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

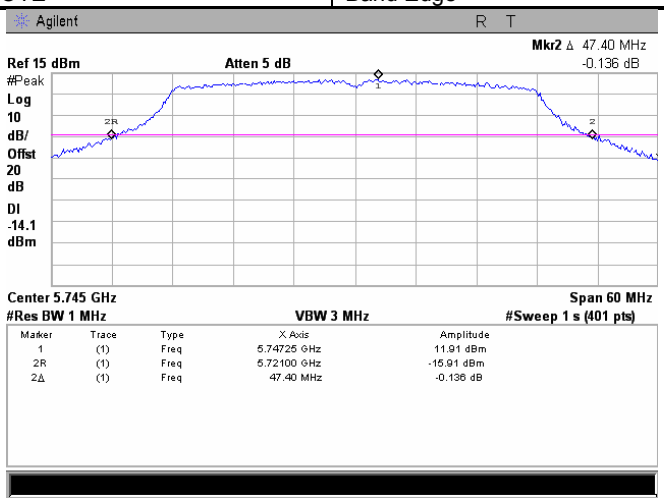
Plot 7.1.3 Peak spectral power density

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.4 The 26 dB emission bandwidth

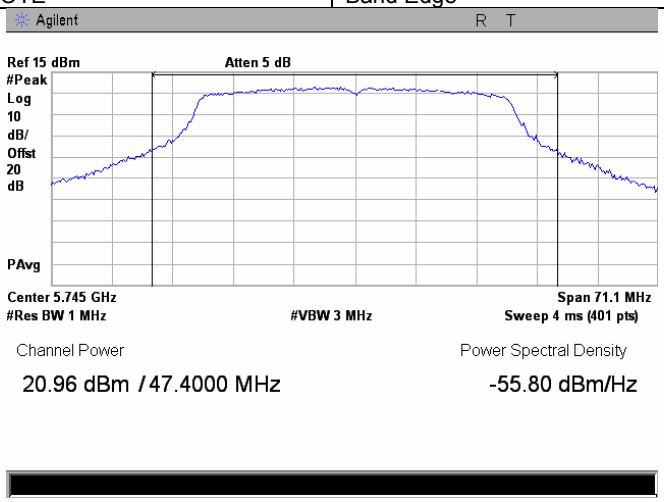
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

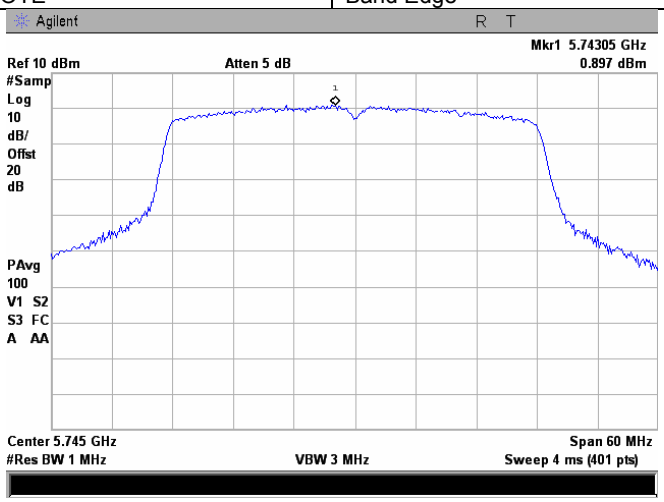
Plot 7.1.5 Peak output power

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.6 Peak spectral power density

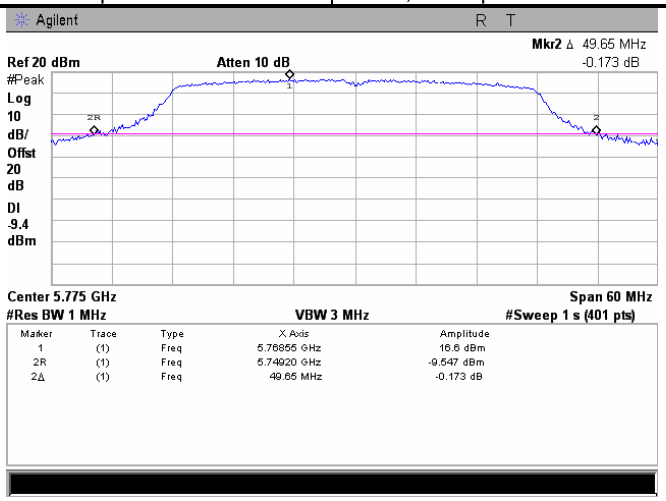
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

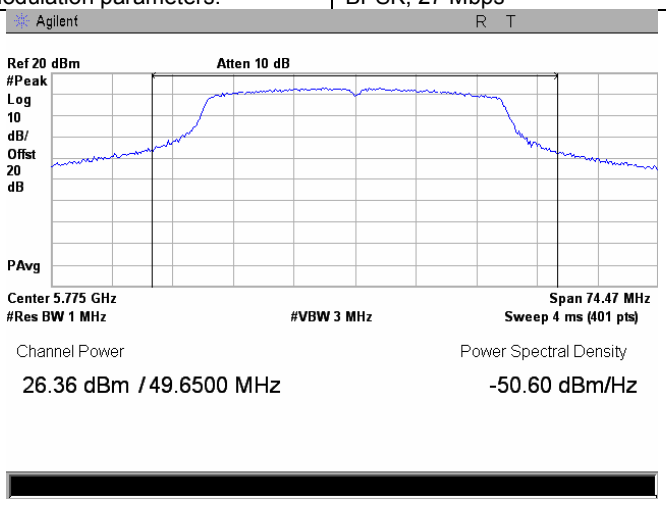
Plot 7.1.7 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.8 Peak output power

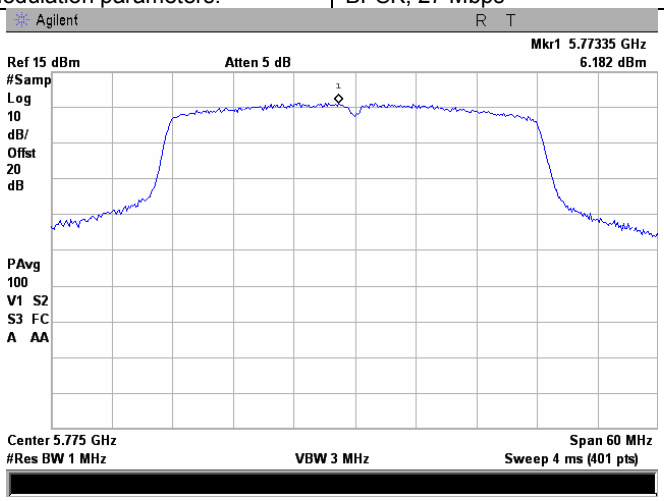
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

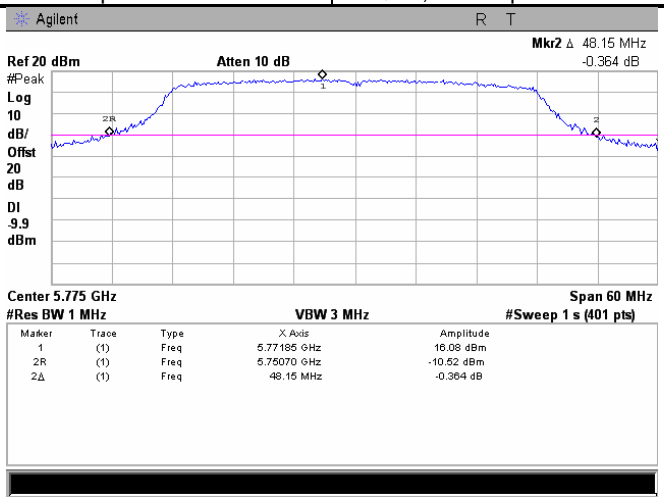
Plot 7.1.9 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.10 The 26 dB emission bandwidth

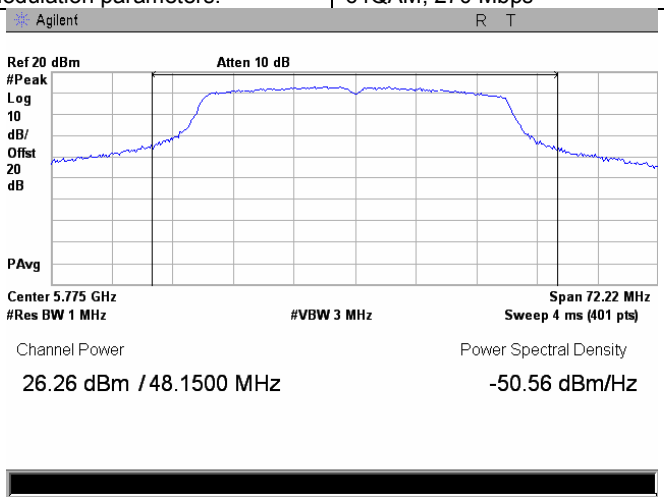
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

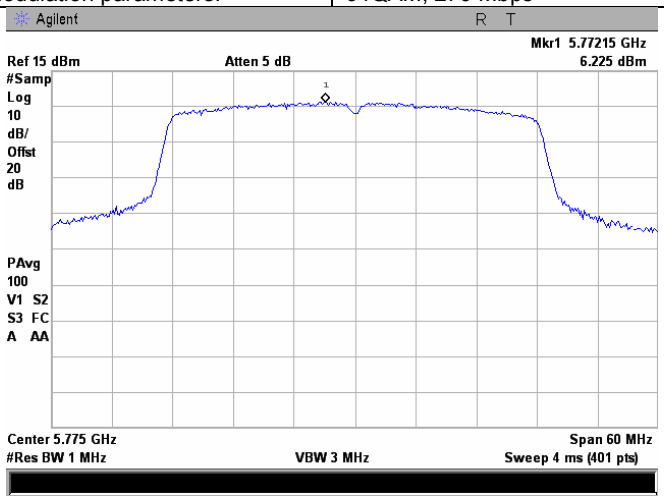
Plot 7.1.11 Peak output power

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.12 Peak spectral power density

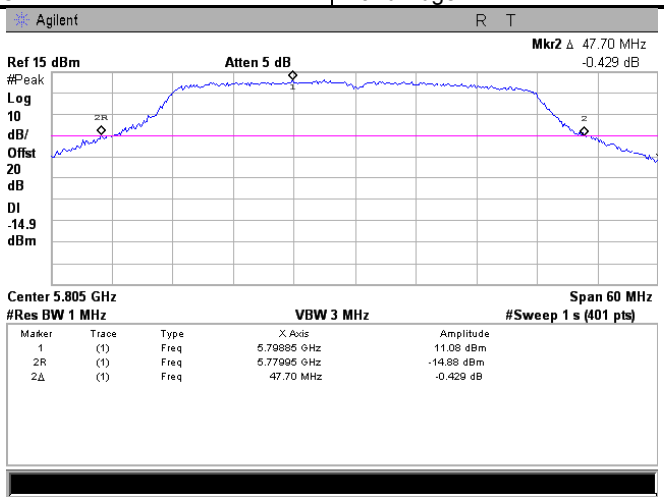
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

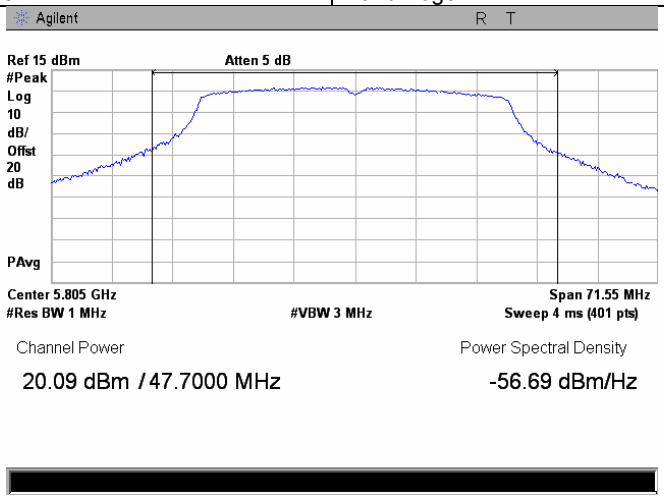
Plot 7.1.13 The 26 dB emission bandwidth

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.14 Peak output power

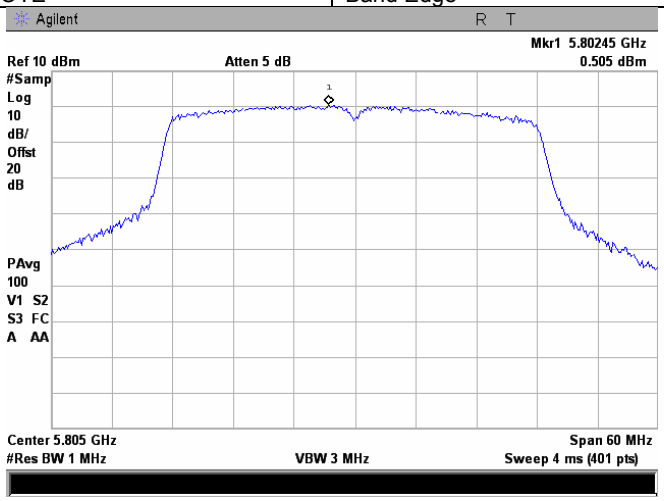
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

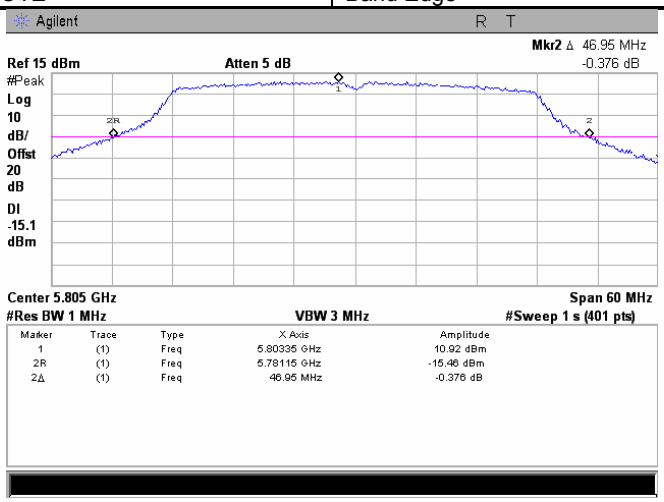
Plot 7.1.15 Peak spectral power density

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.16 The 26 dB emission bandwidth

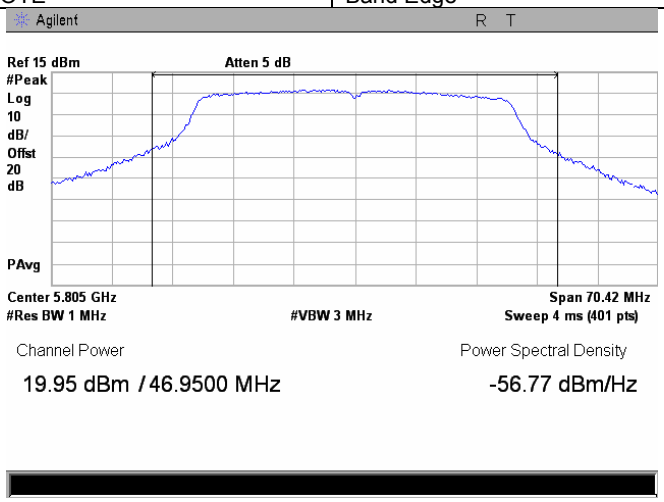
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

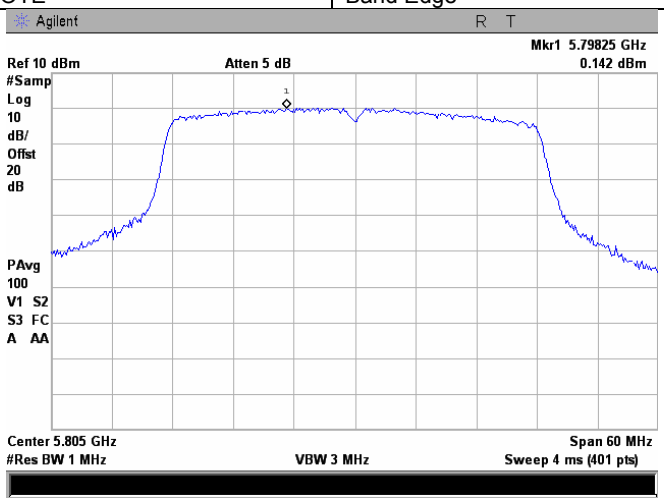
Plot 7.1.17 Peak output power

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.18 Peak spectral power density

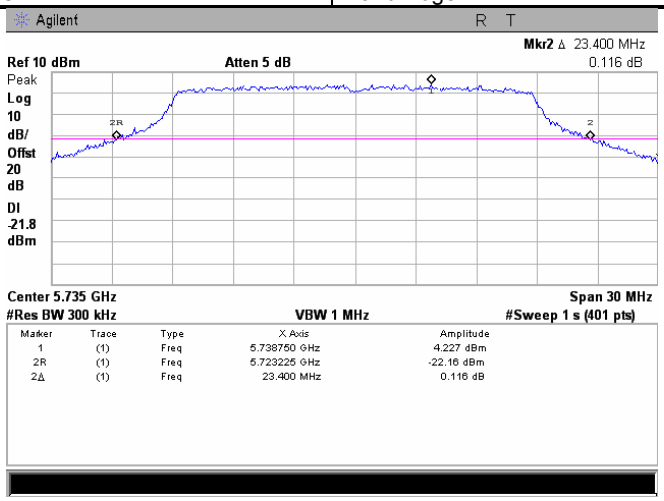
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

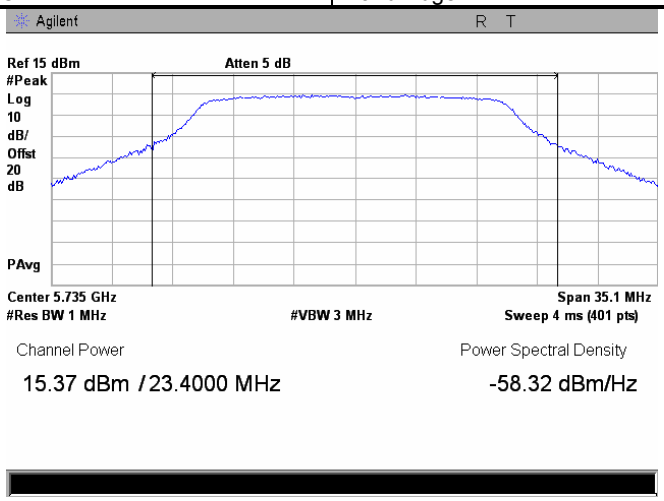
Plot 7.1.19 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.20 Peak output power

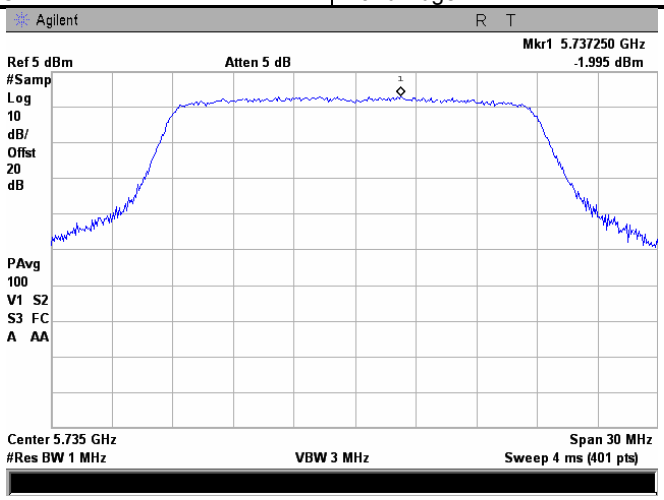
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

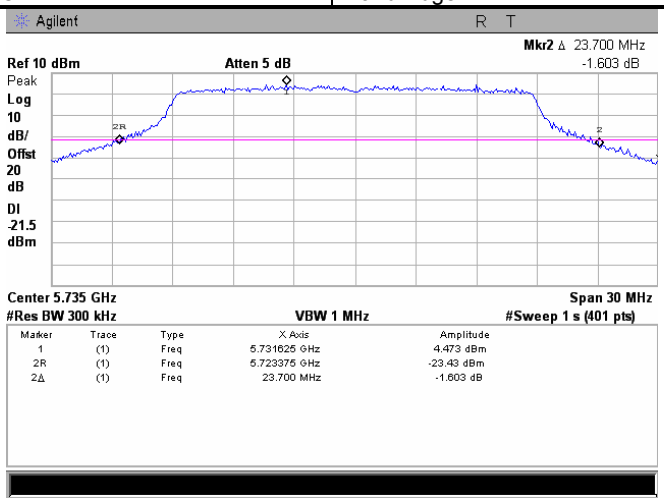
Plot 7.1.21 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.22 The 26 dB emission bandwidth

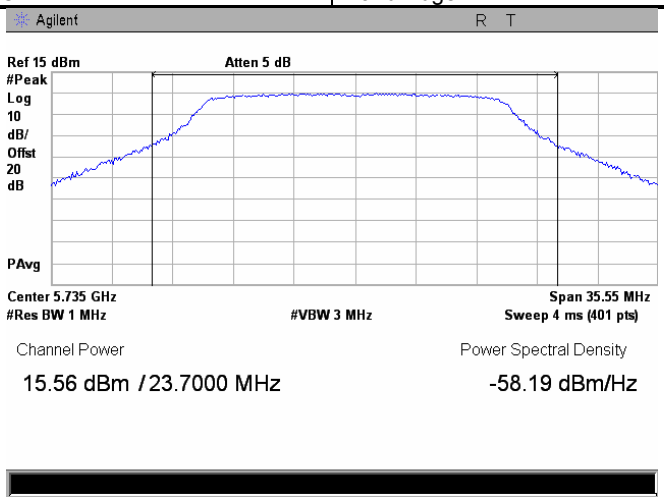
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

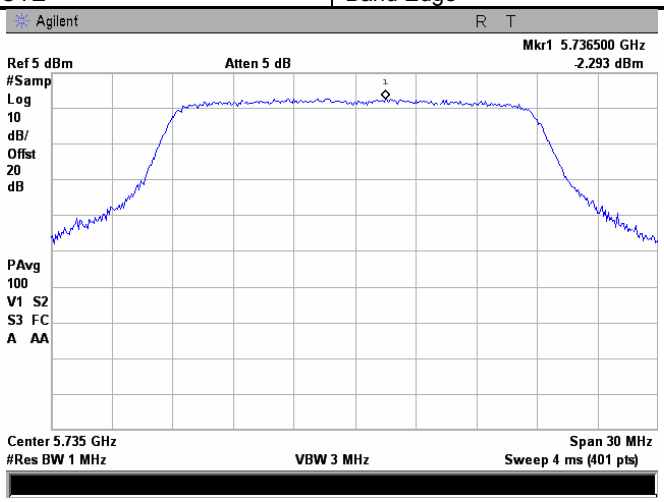
Plot 7.1.23 Peak output power

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.24 Peak spectral power density

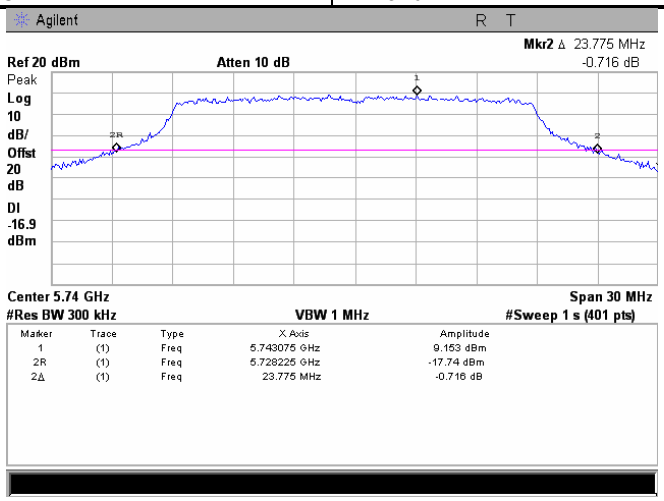
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

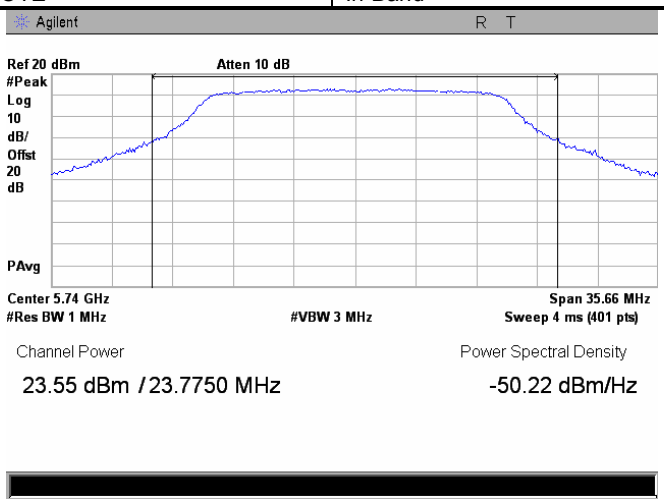
Plot 7.1.25 The 26 dB emission bandwidth

Frequency:	5740MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.26 Peak output power

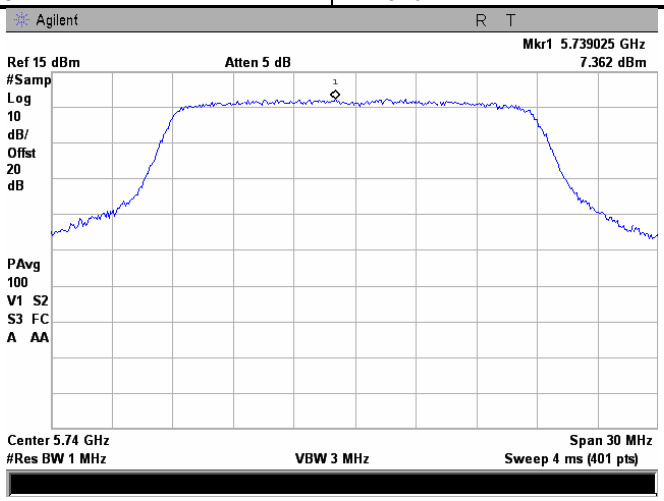
Frequency:	5740MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

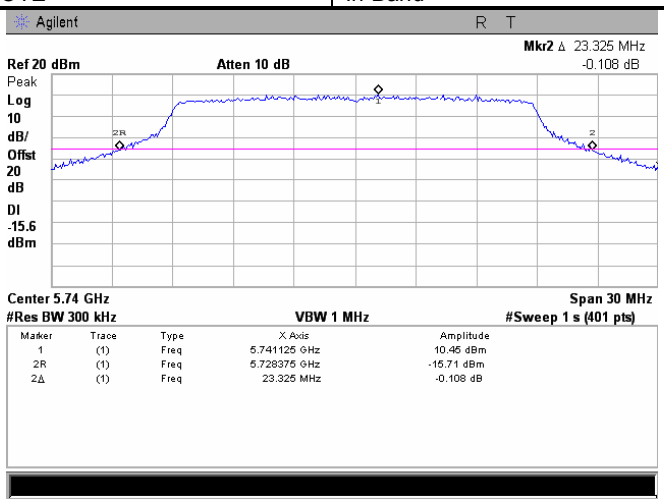
Plot 7.1.27 Peak spectral power density

Frequency:	5740MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.28 The 26 dB emission bandwidth

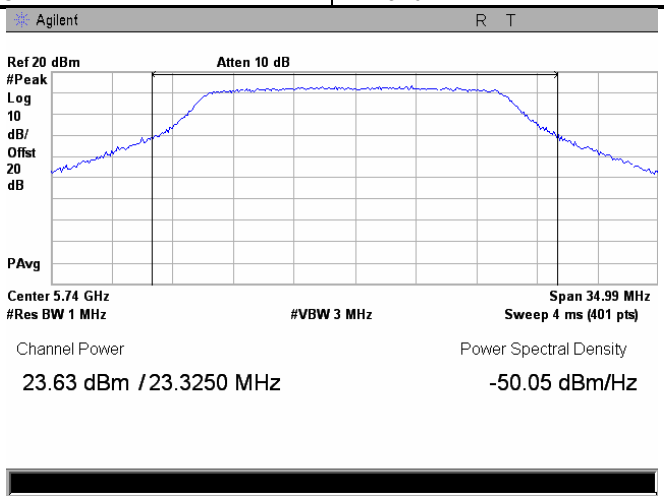
Frequency:	5740MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

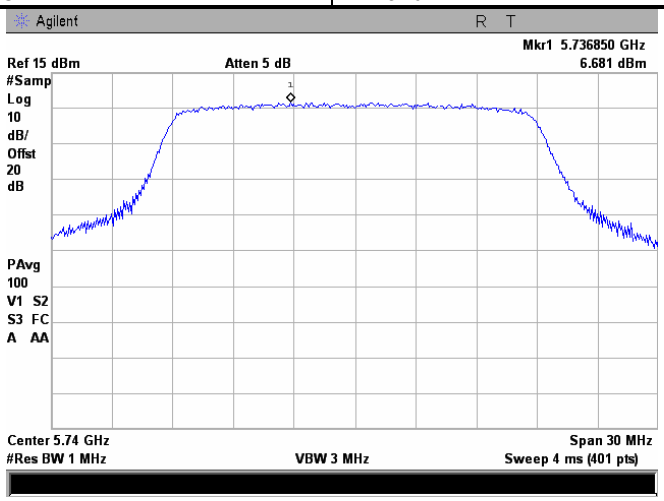
Plot 7.1.29 Peak output power

Frequency:	5740MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.30 Peak spectral power density

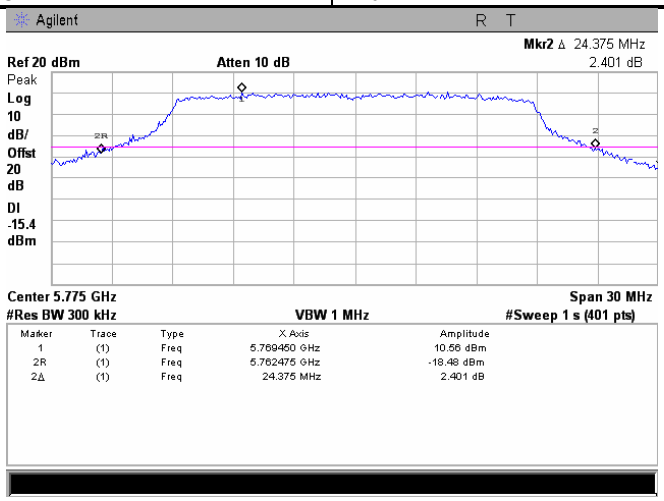
Frequency:	5740MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

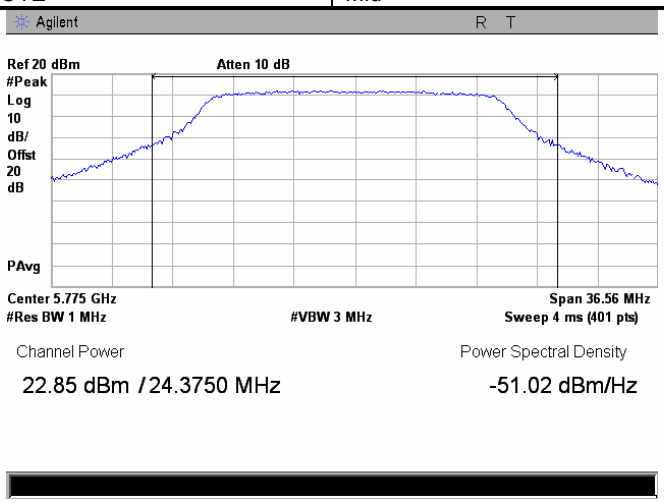
Plot 7.1.31 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.32 Peak output power

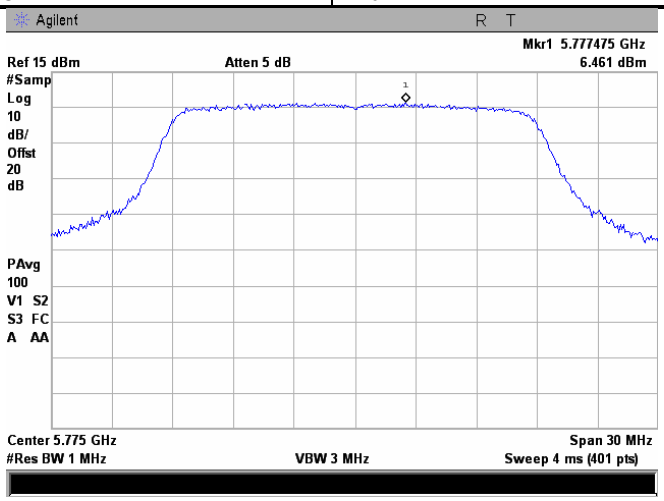
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

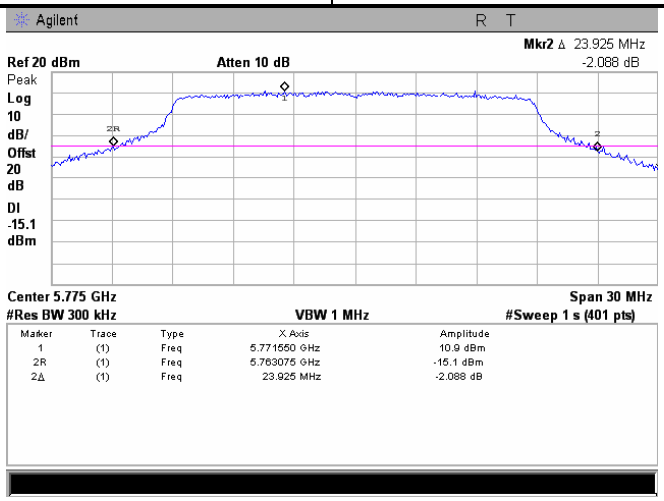
Plot 7.1.33 Peak spectral power density

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.34 The 26 dB emission bandwidth

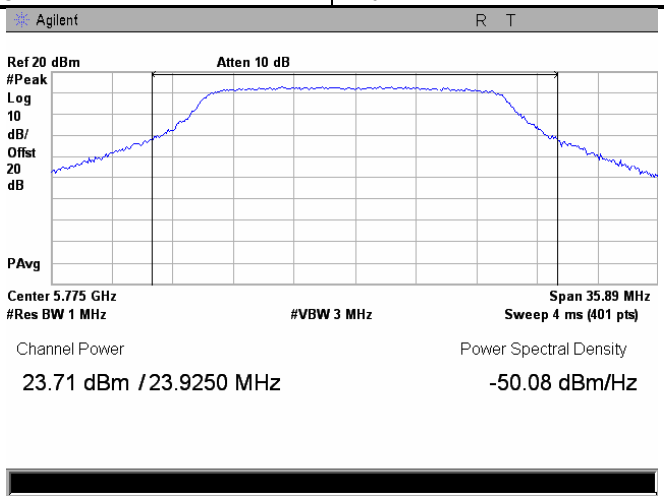
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

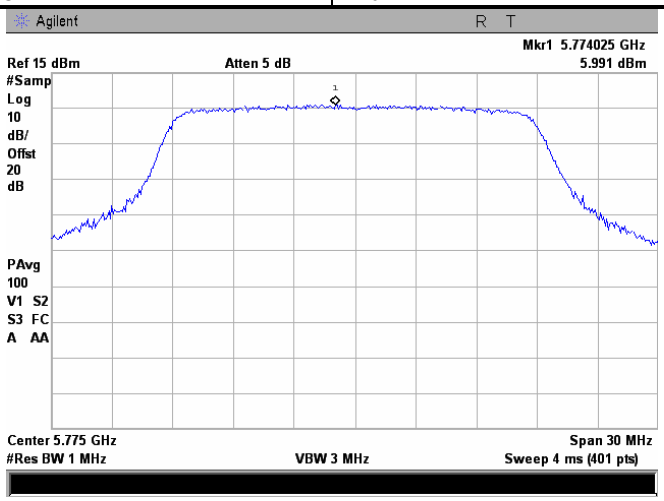
Plot 7.1.35 Peak output power

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Plot 7.1.36 Peak spectral power density

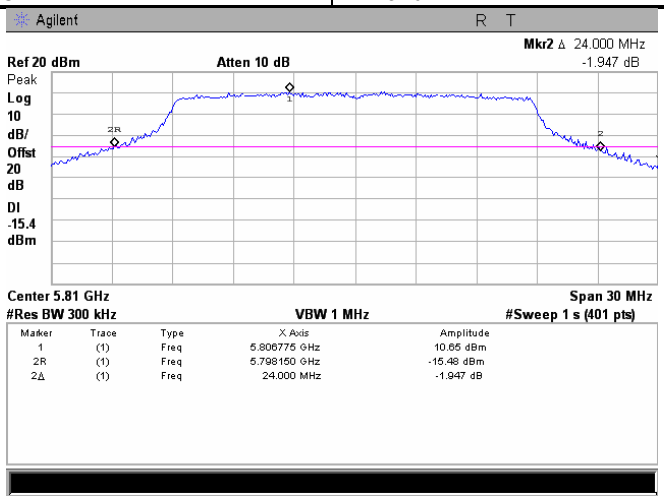
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

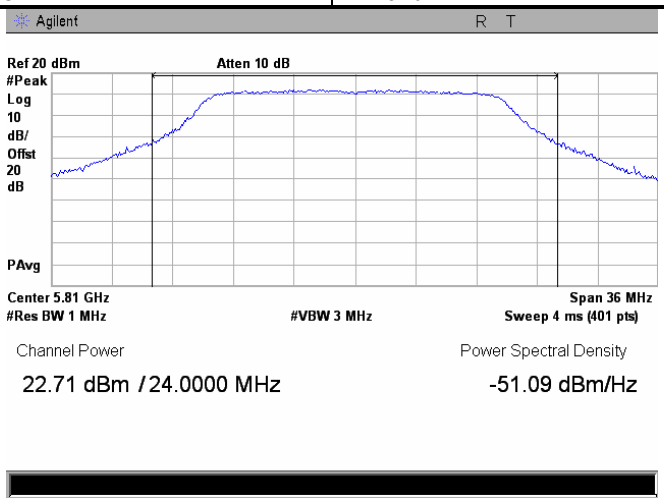
Plot 7.1.37 The 26 dB emission bandwidth

Frequency:	5810 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.38 Peak output power

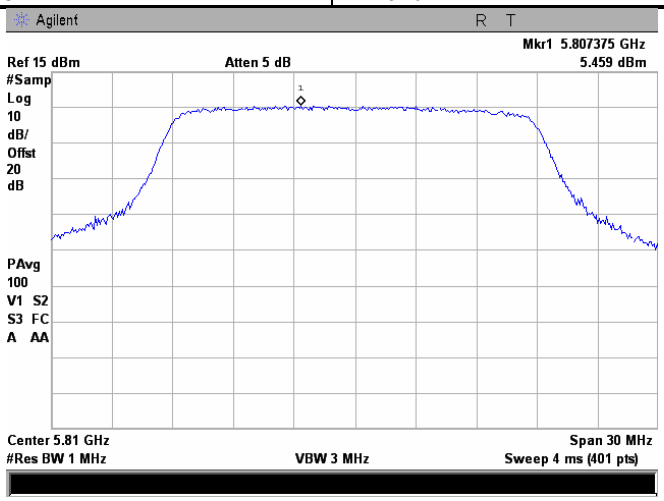
Frequency:	5810 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

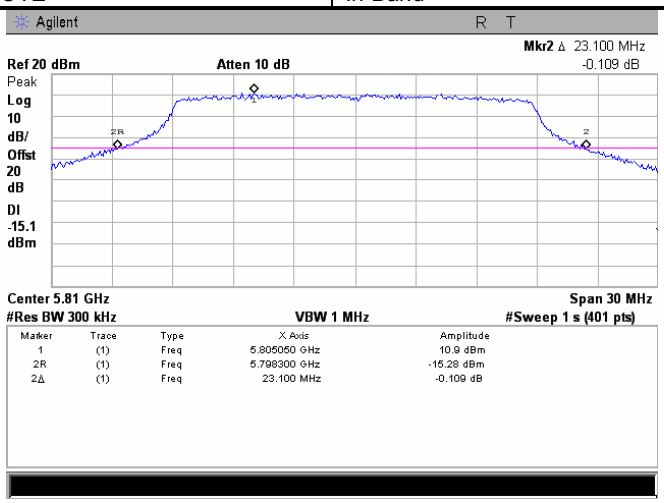
Plot 7.1.39 Peak spectral power density

Frequency:	5810 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.40 The 26 dB emission bandwidth

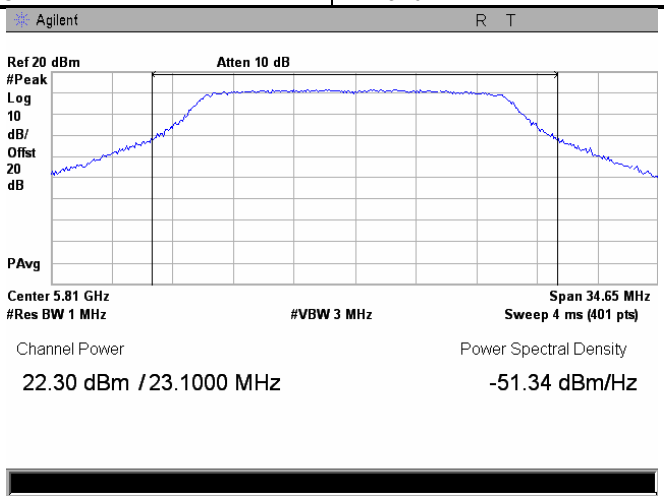
Frequency:	5810 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

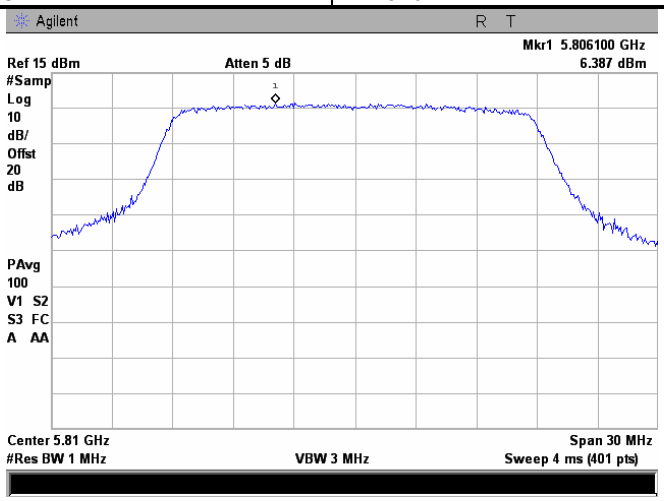
Plot 7.1.41 Peak output power

Frequency:	5810 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.42 Peak spectral power density

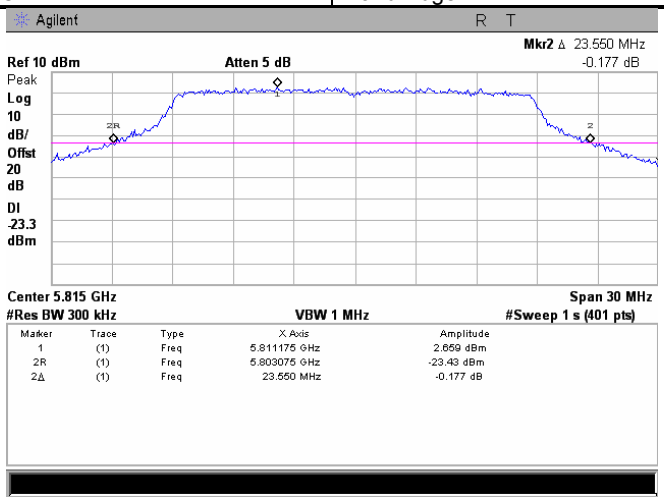
Frequency:	5810 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

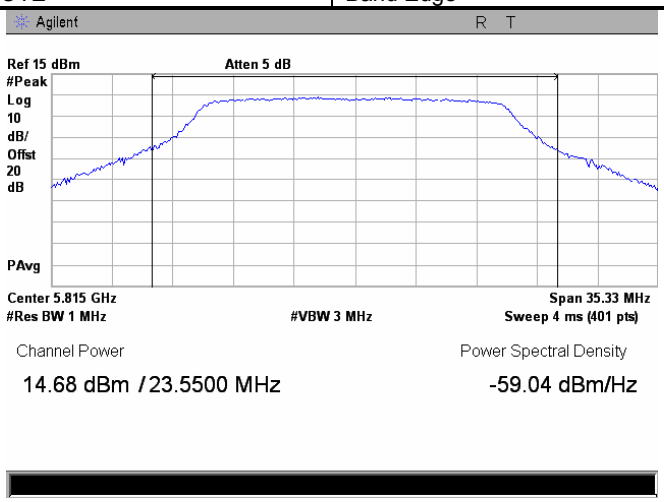
Plot 7.1.43 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.44 Peak output power

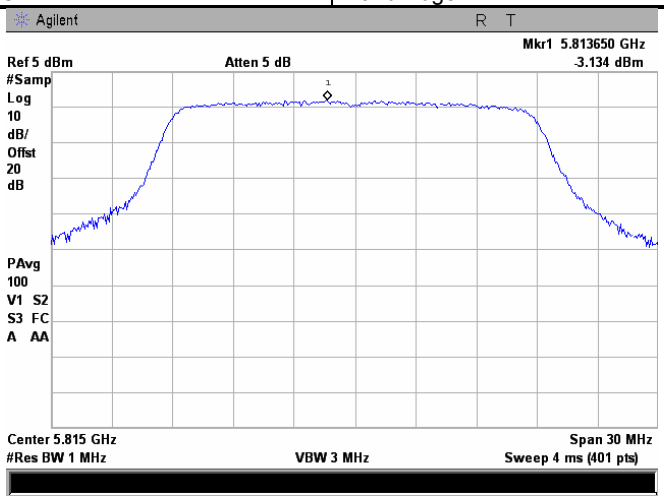
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

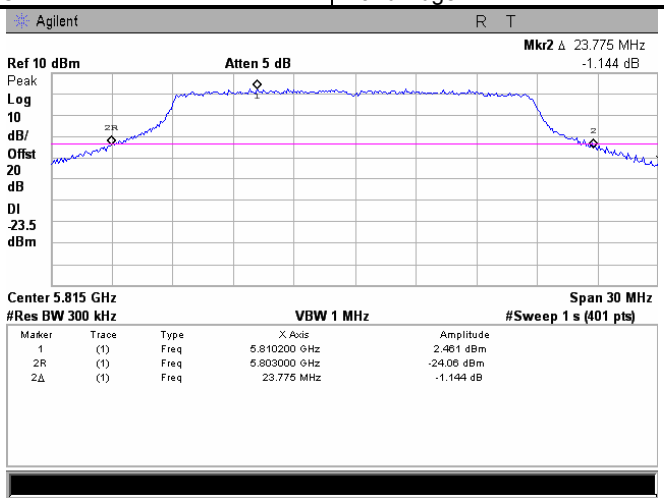
Plot 7.1.45 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.46 The 26 dB emission bandwidth

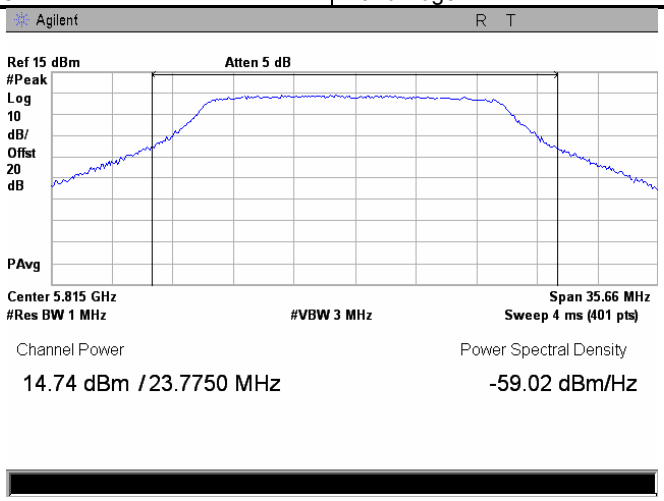
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

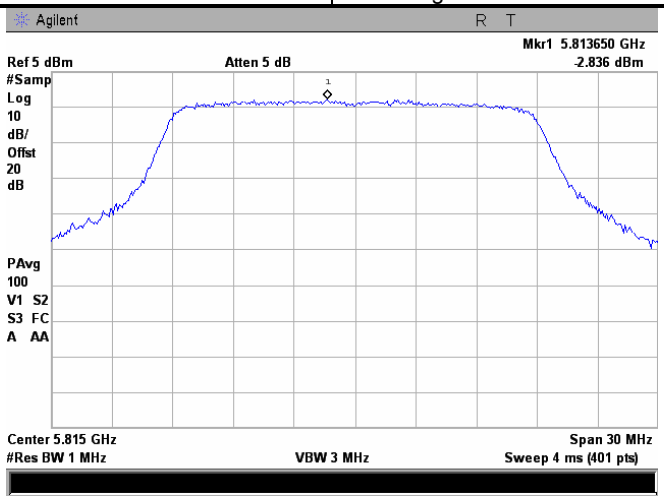
Plot 7.1.47 Peak output power

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.48 Peak spectral power density

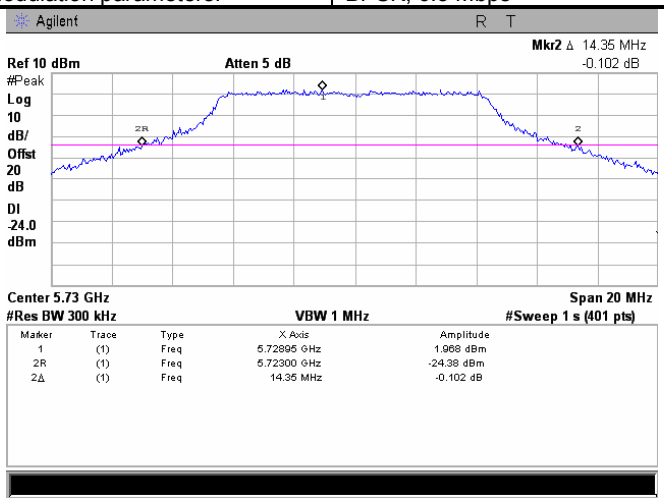
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

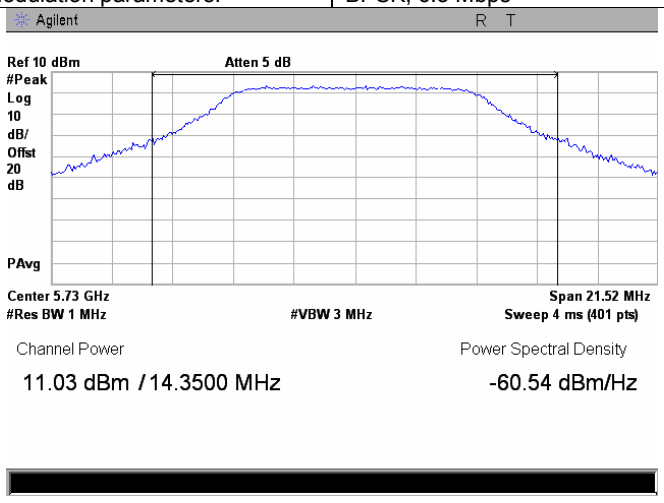
Plot 7.1.49 The 26 dB emission bandwidth

Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.50 Peak output power

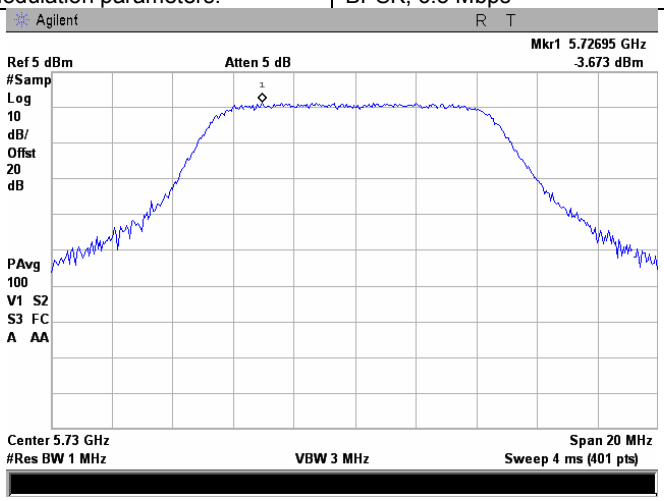
Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

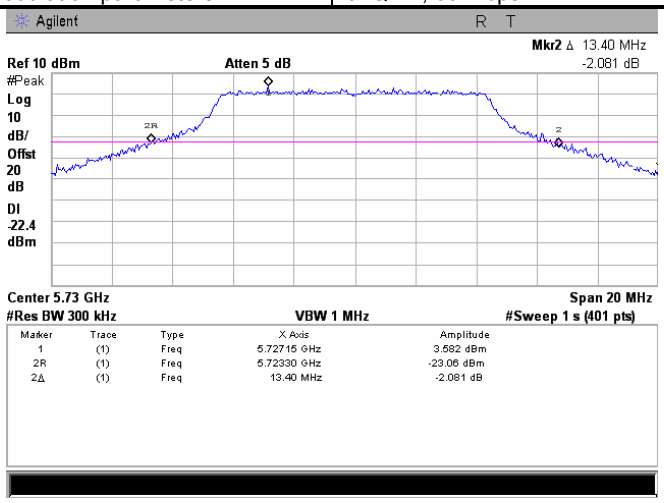
Plot 7.1.51 Peak spectral power density

Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.52 The 26 dB emission bandwidth

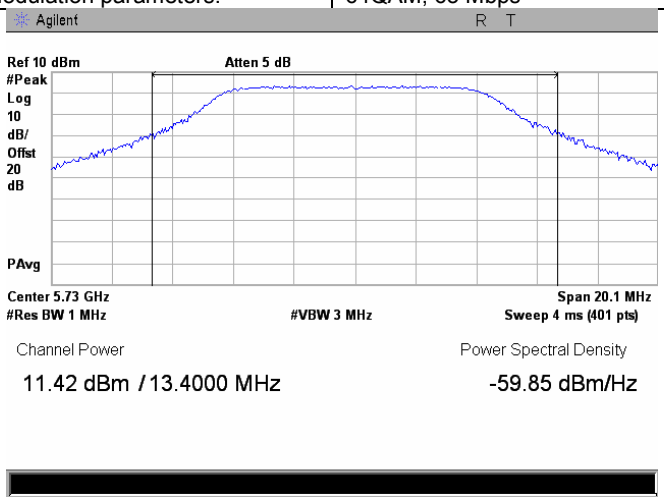
Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

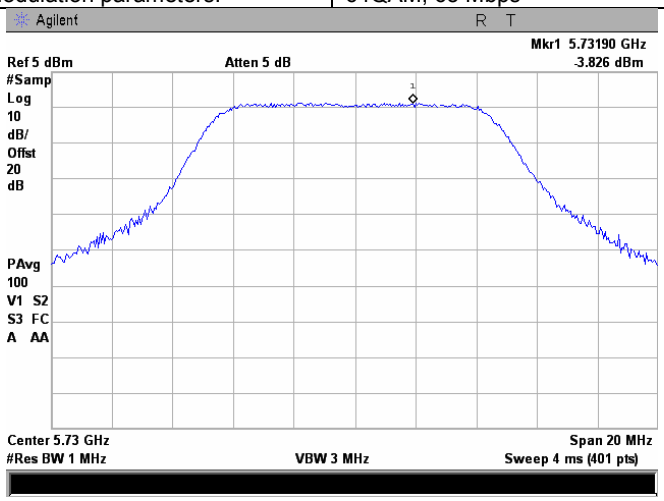
Plot 7.1.53 Peak output power

Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.54 Peak spectral power density

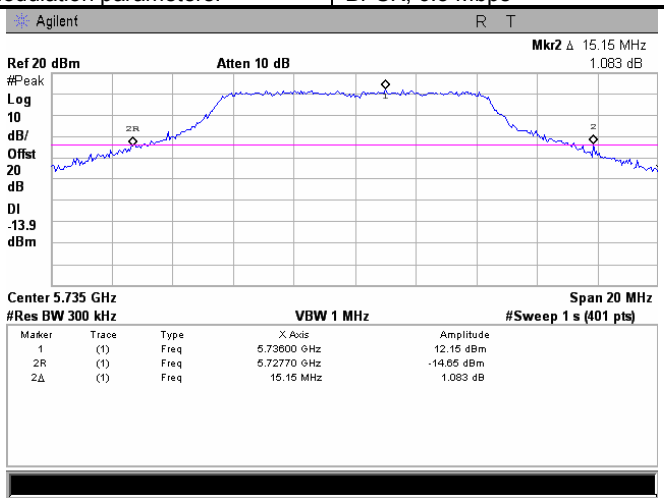
Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

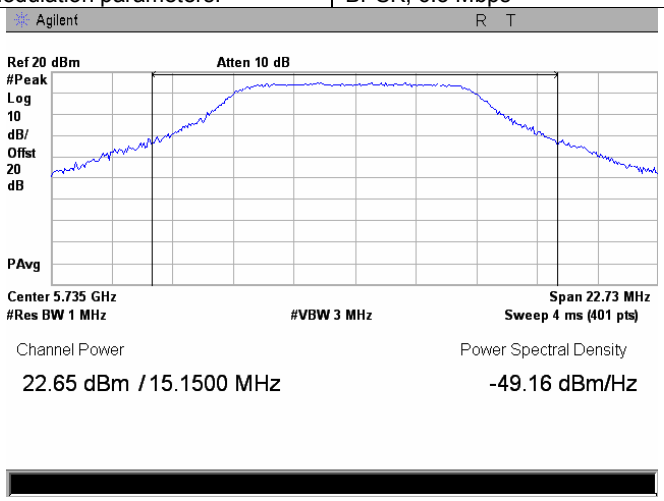
Plot 7.1.55 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.56 Peak output power

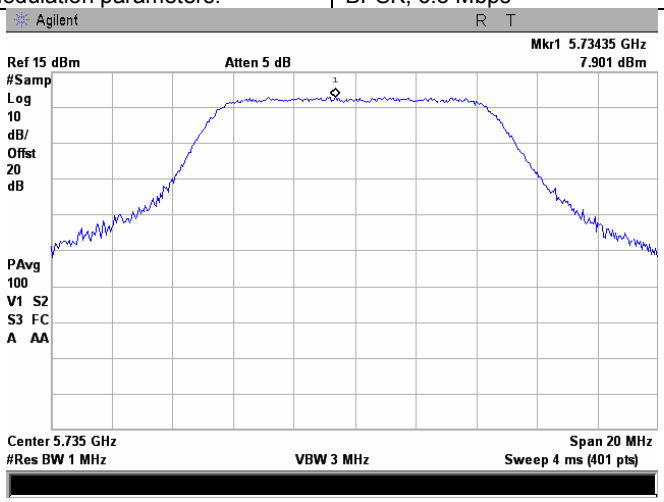
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

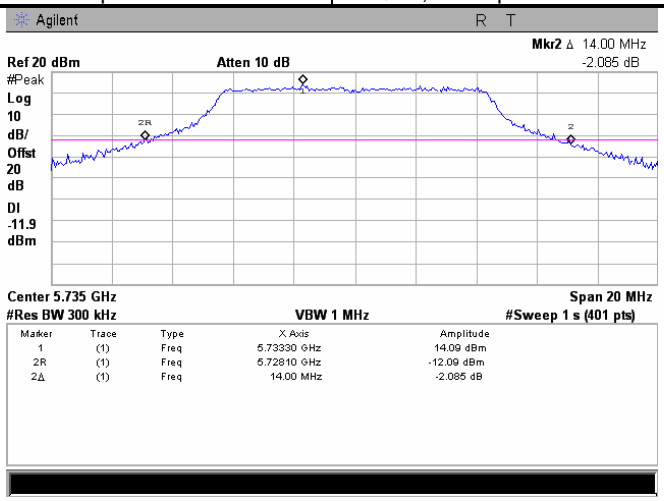
Plot 7.1.57 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.58 The 26 dB emission bandwidth

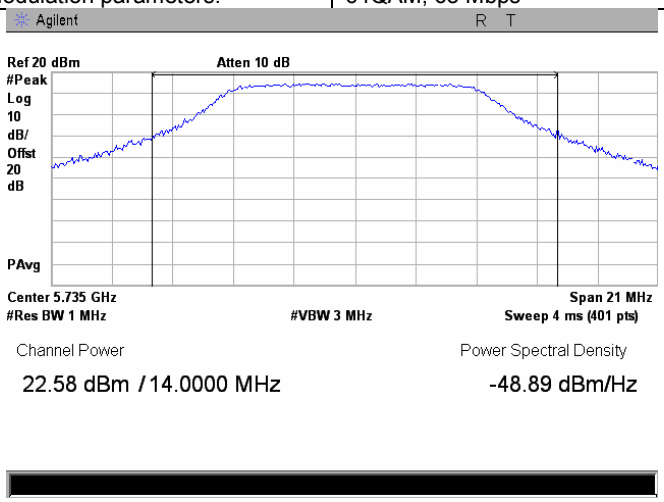
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

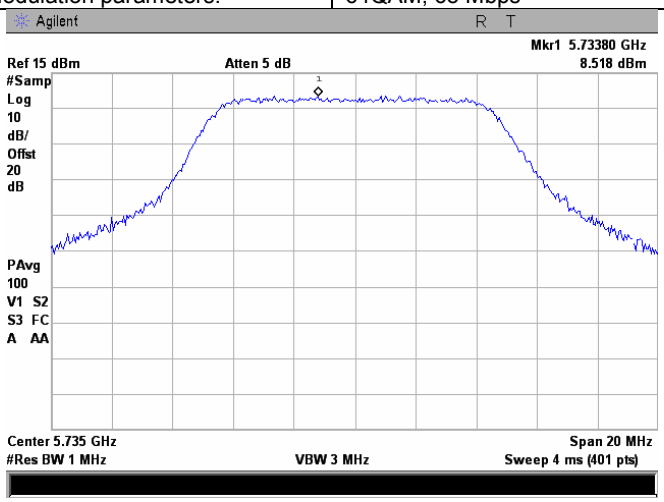
Plot 7.1.59 Peak output power

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.60 Peak spectral power density

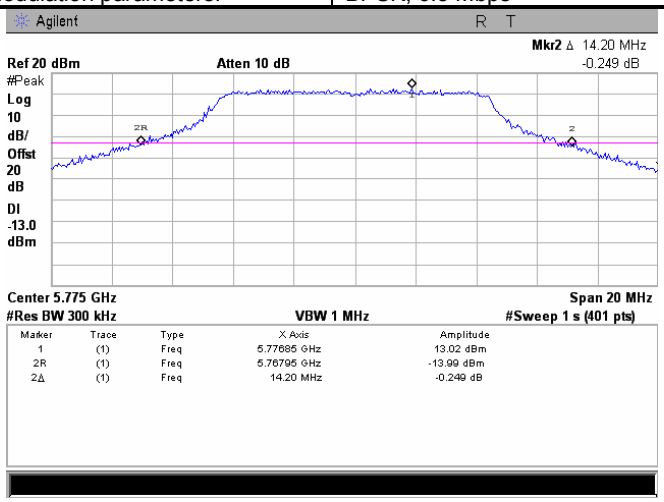
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

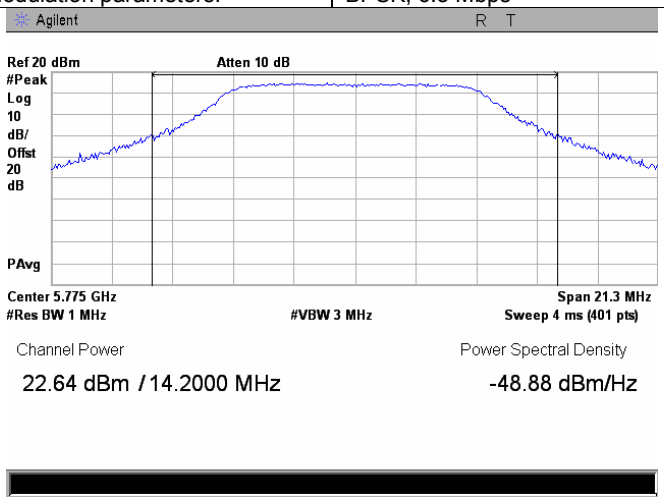
Plot 7.1.61 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.62 Peak output power

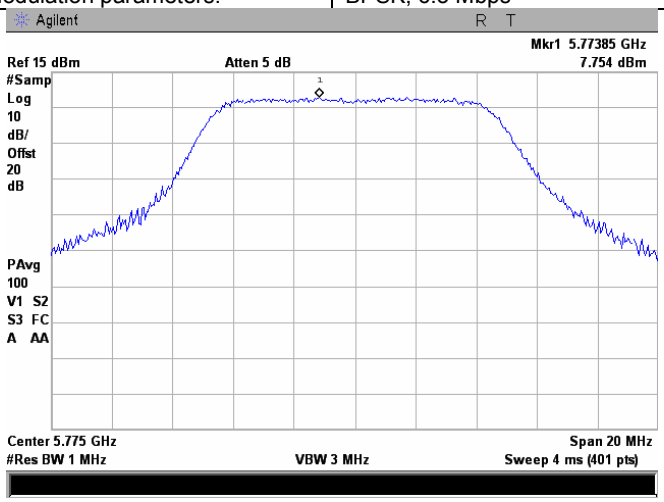
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

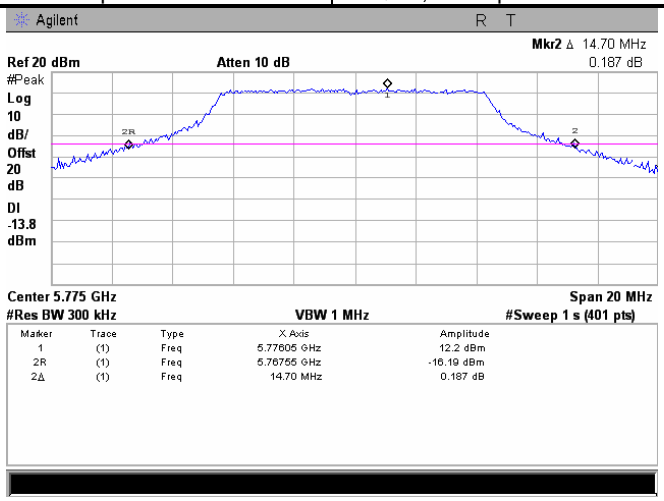
Plot 7.1.63 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.64 The 26 dB emission bandwidth

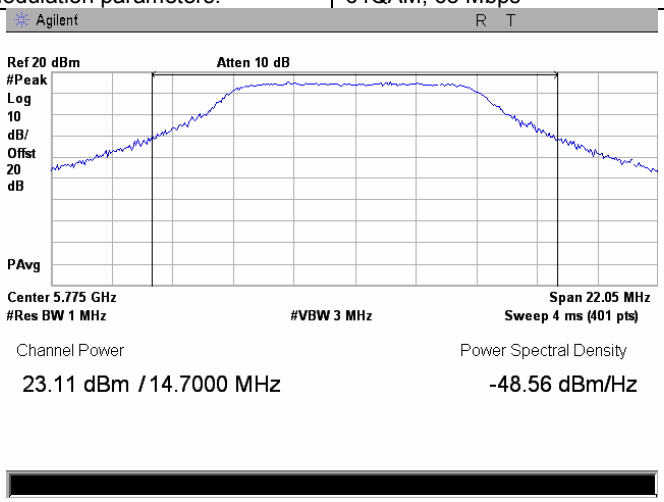
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

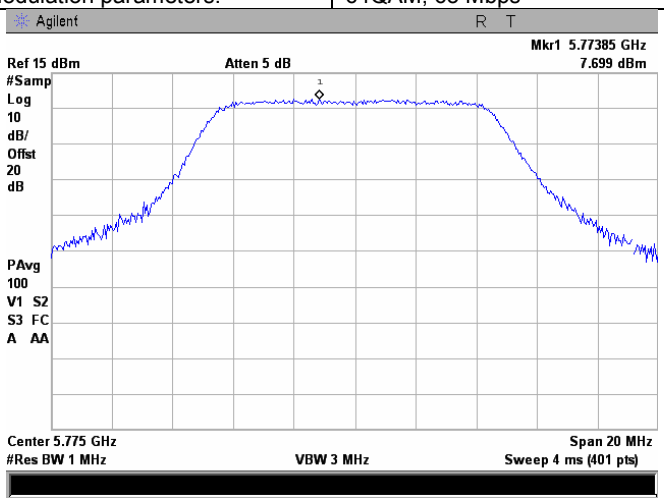
Plot 7.1.65 Peak output power

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.66 Peak spectral power density

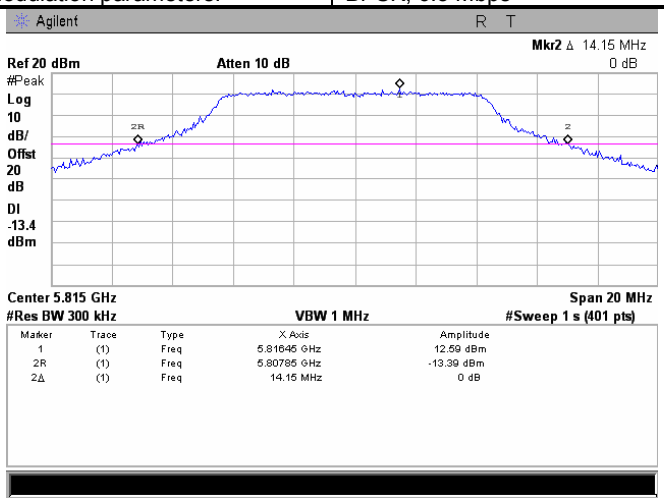
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

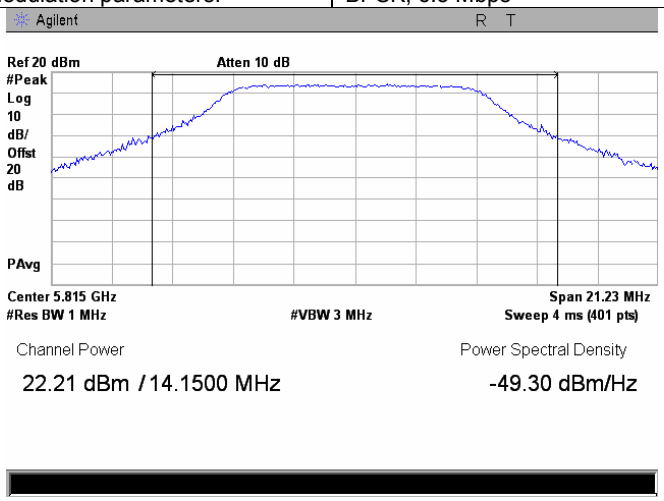
Plot 7.1.67 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.68 Peak output power

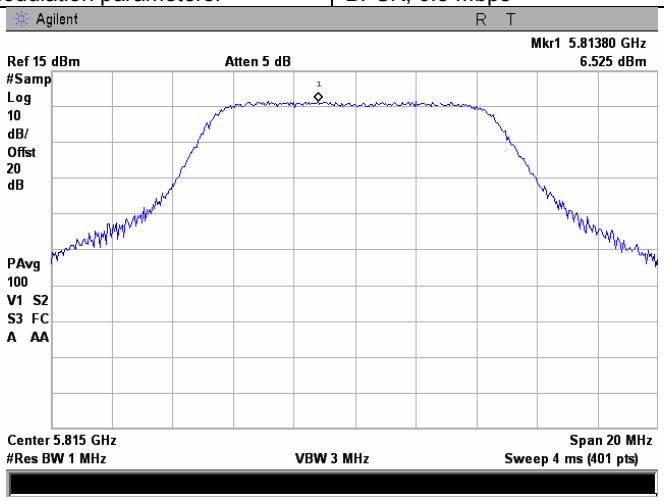
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

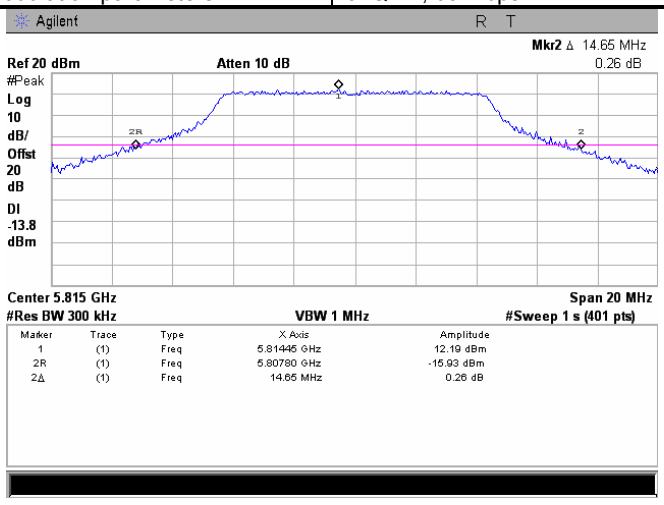
Plot 7.1.69 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.70 The 26 dB emission bandwidth

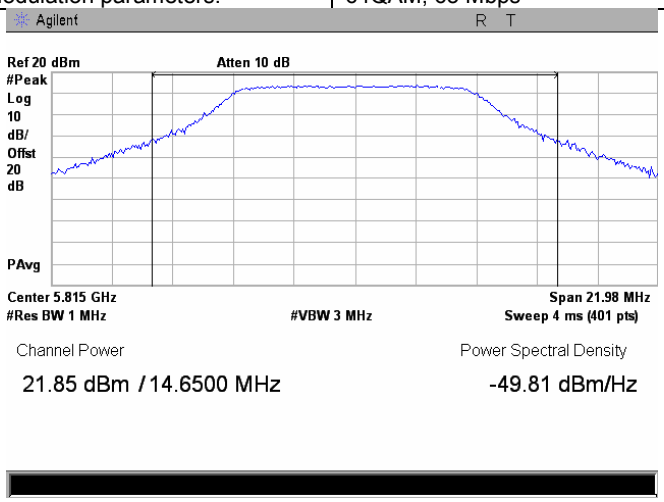
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

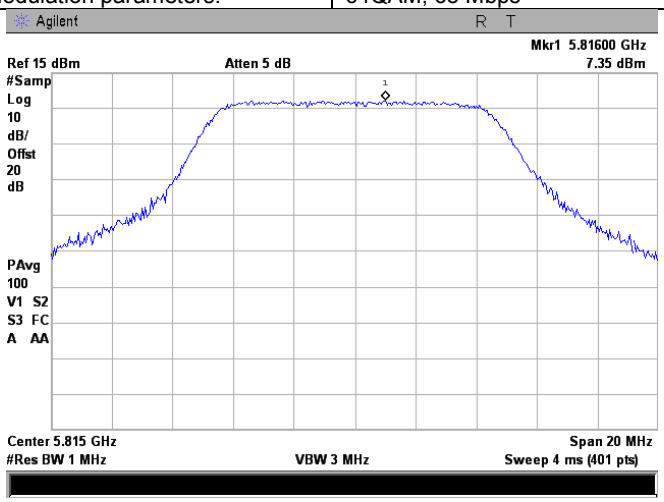
Plot 7.1.71 Peak output power

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.72 Peak spectral power density

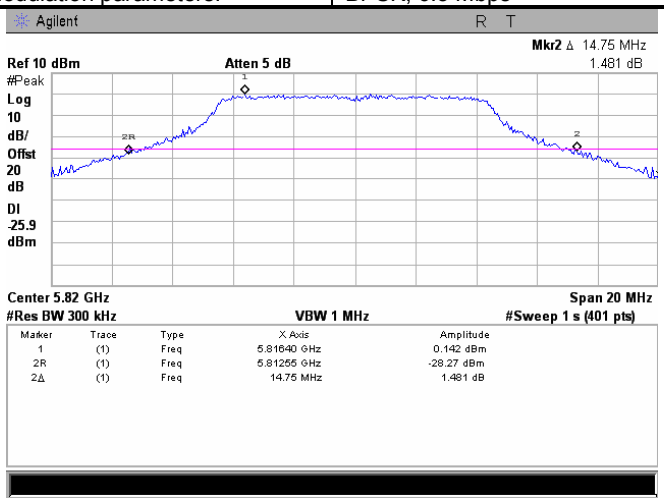
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

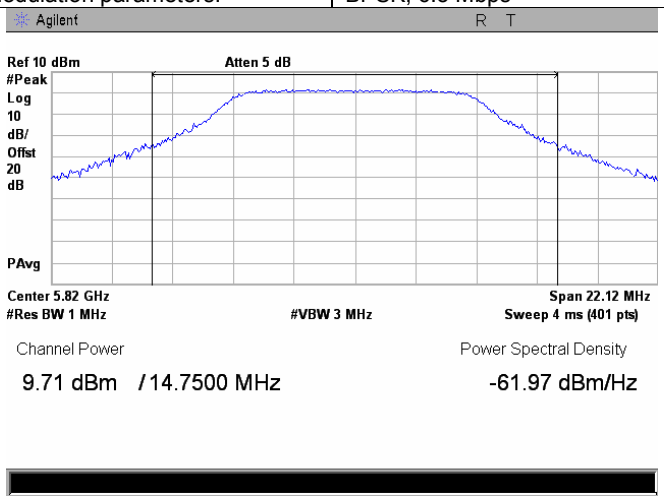
Plot 7.1.73 The 26 dB emission bandwidth

Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.74 Peak output power

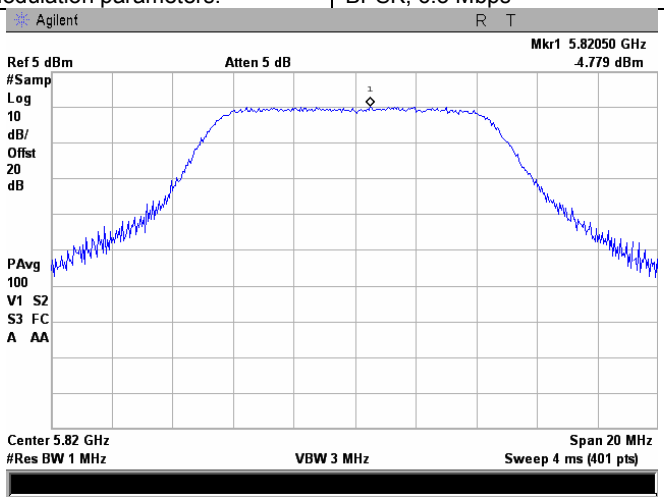
Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

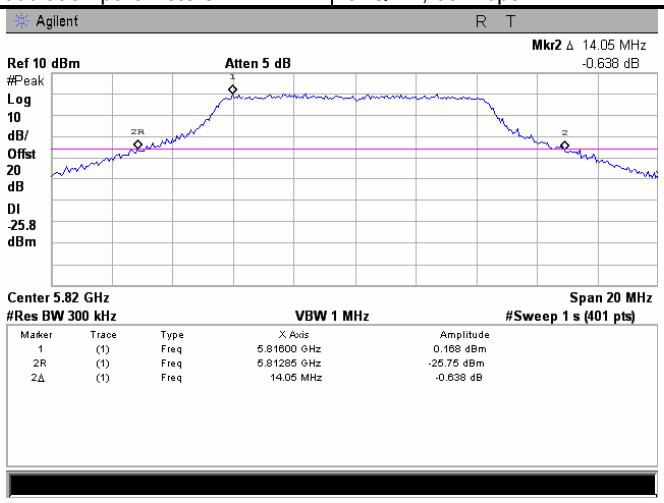
Plot 7.1.75 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.76 The 26 dB emission bandwidth

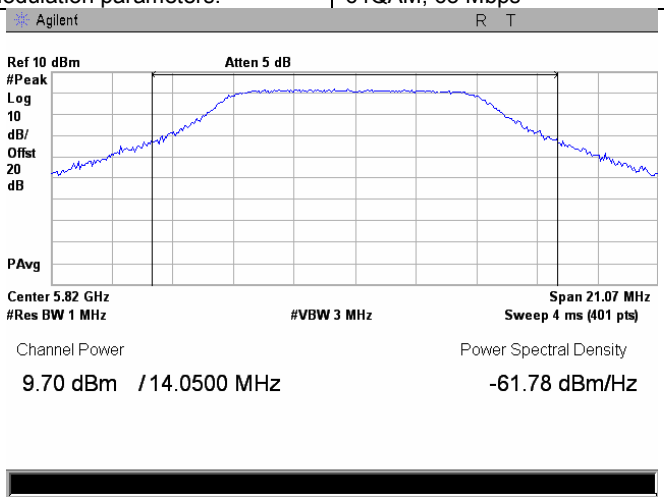
Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

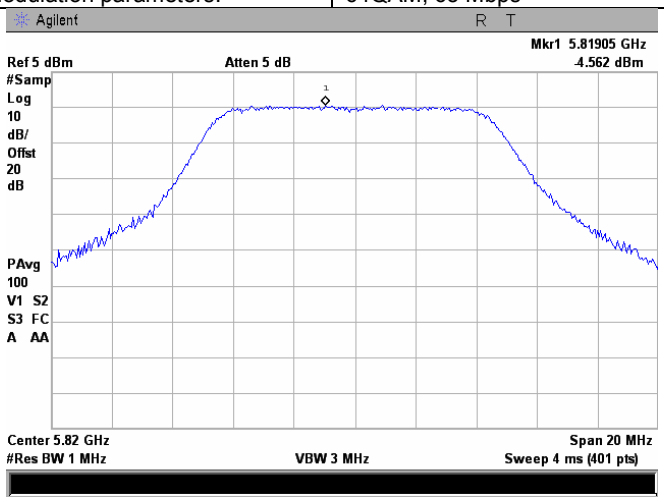
Plot 7.1.77 Peak output power

Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.78 Peak spectral power density

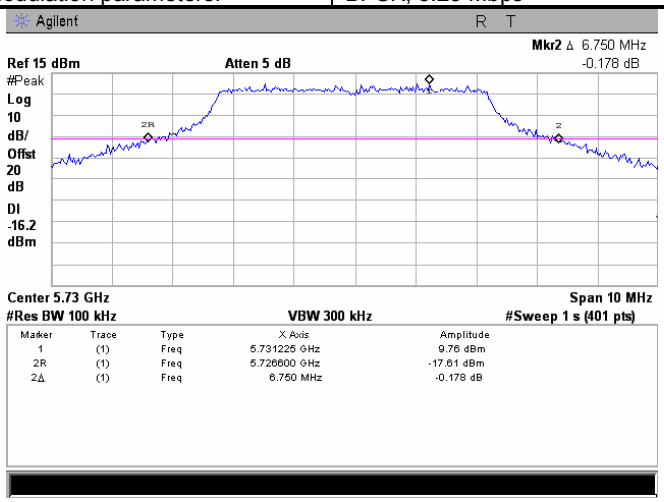
Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

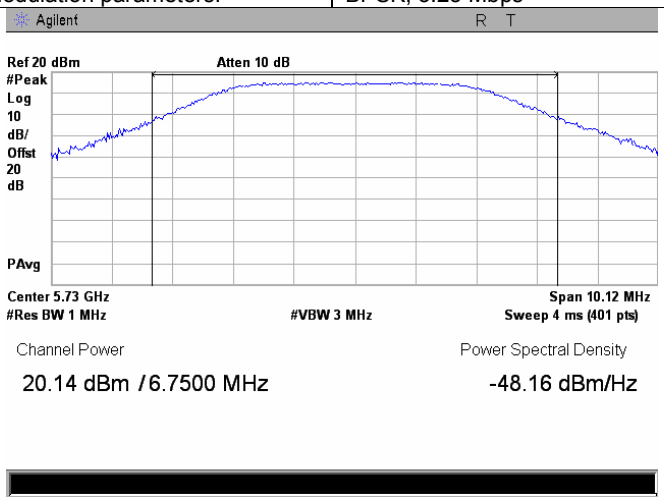
Plot 7.1.79 The 26 dB emission bandwidth

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.80 Peak output power

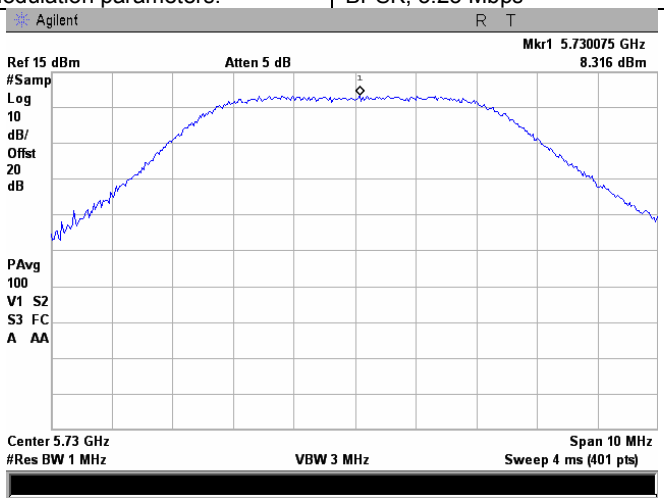
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

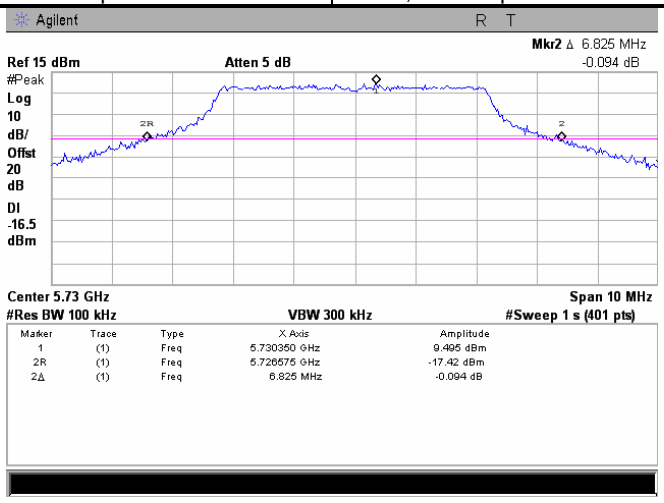
Plot 7.1.81 Peak spectral power density

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.82 The 26 dB emission bandwidth

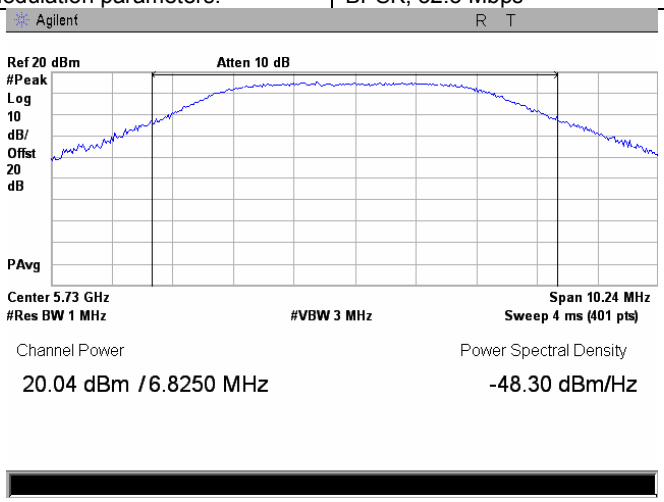
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

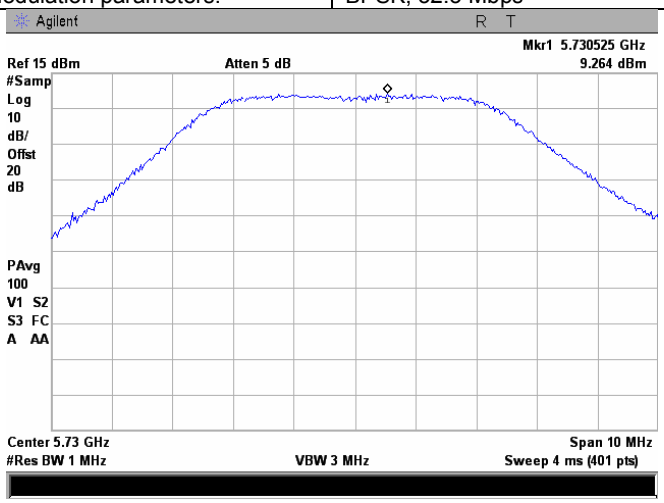
Plot 7.1.83 Peak output power

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.84 Peak spectral power density

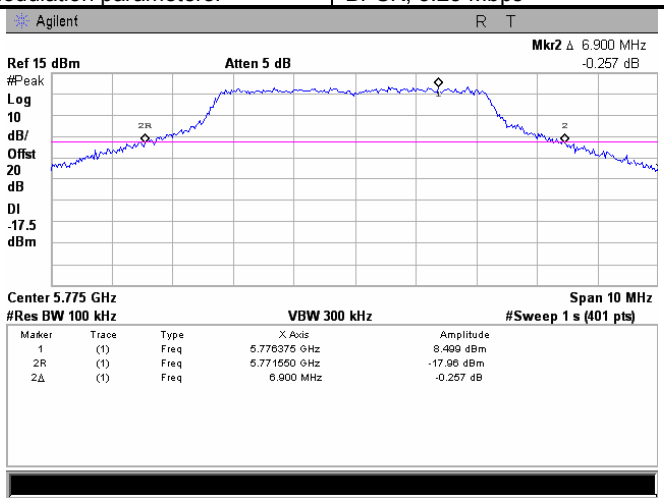
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

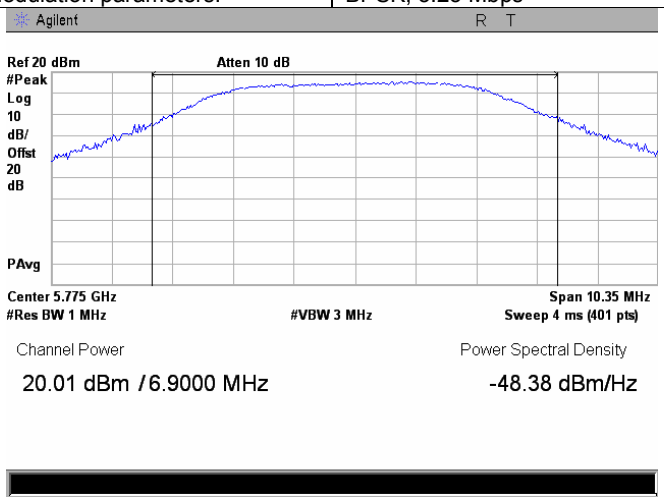
Plot 7.1.85 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.86 Peak output power

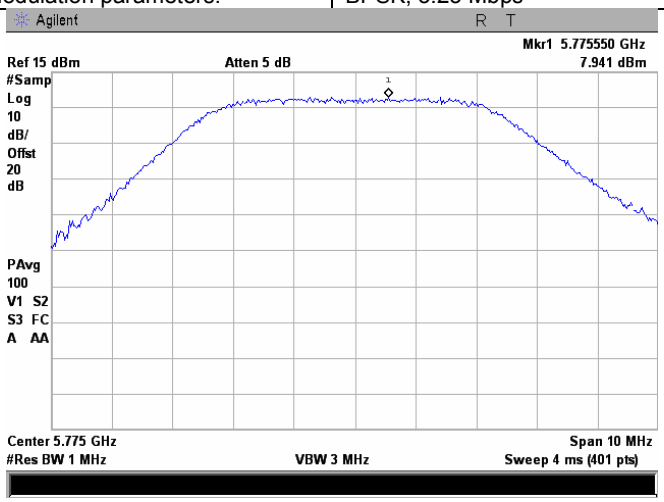
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

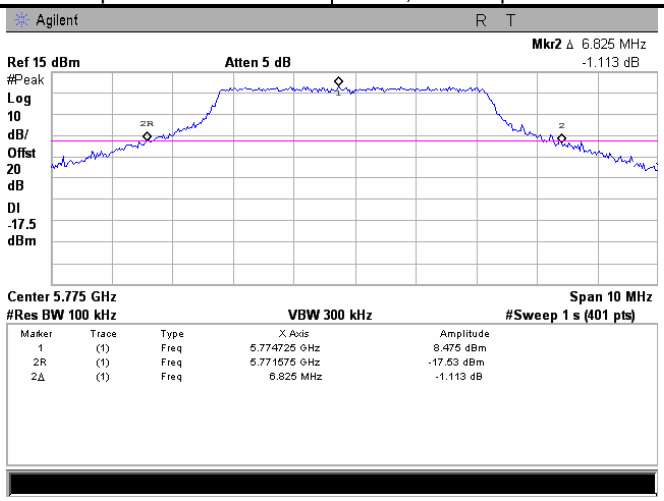
Plot 7.1.87 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.88 The 26 dB emission bandwidth

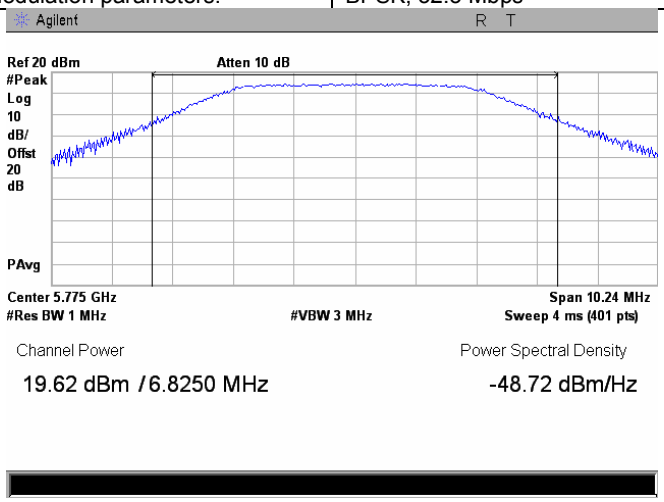
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

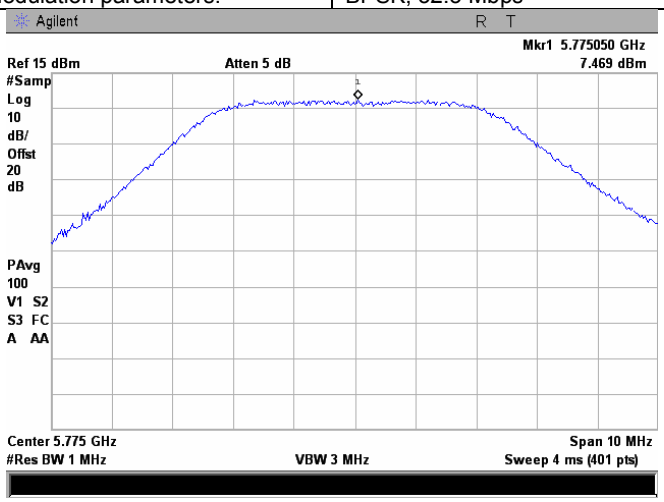
Plot 7.1.89 Peak output power

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.90 Peak spectral power density

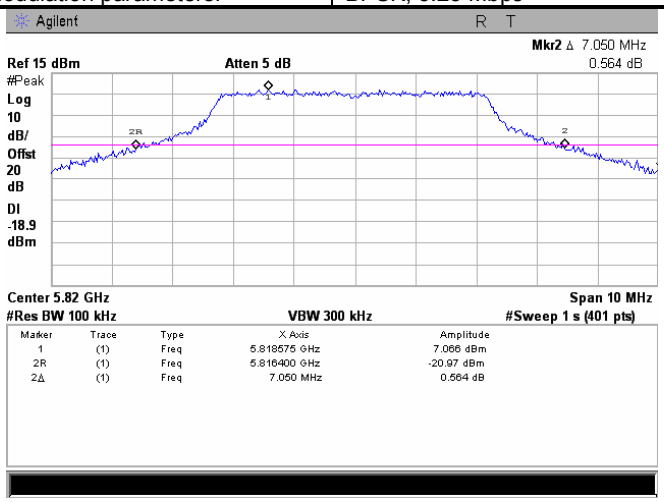
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

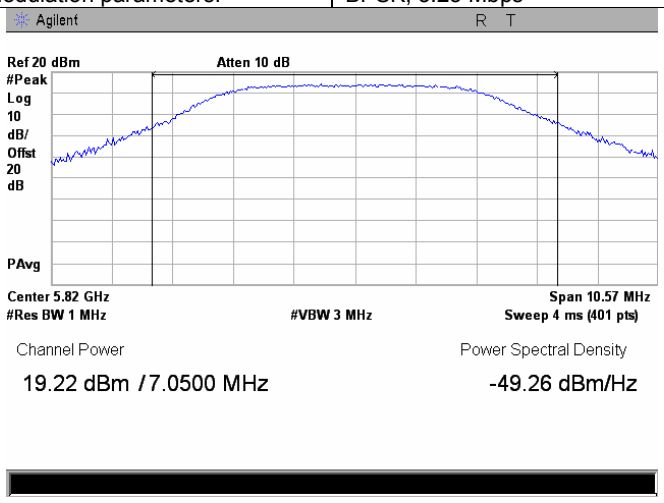
Plot 7.1.91 The 26 dB emission bandwidth

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.92 Peak output power

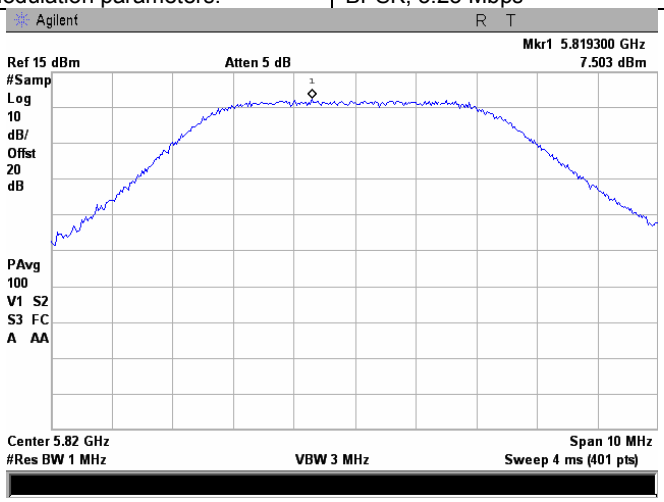
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

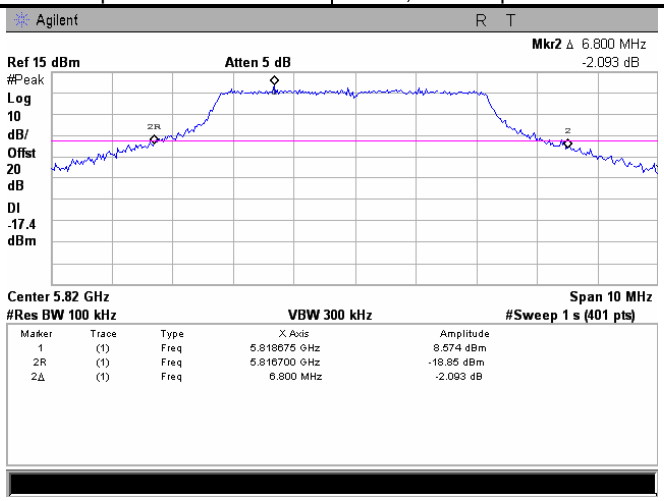
Plot 7.1.93 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.94 The 26 dB emission bandwidth

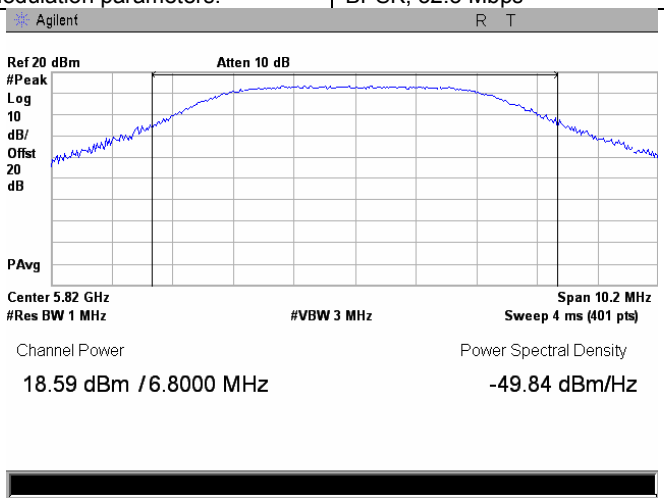
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 6dBi antenna assembly gain			

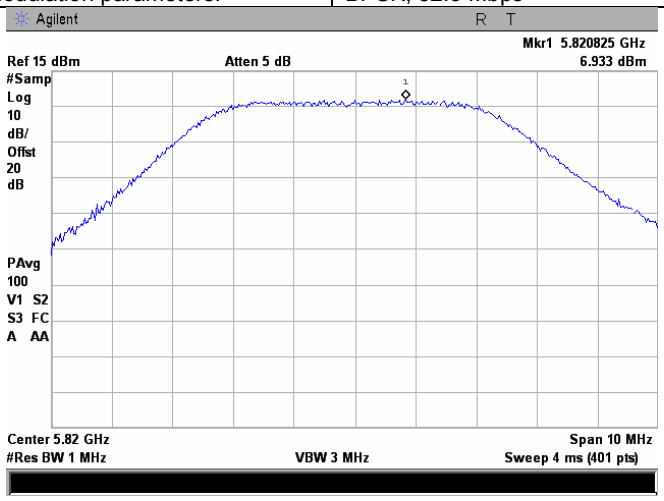
Plot 7.1.95 Peak output power

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.96 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.10 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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 BANDWUIDTH 40 MHz

Frequency, MHz	26 dB Bandwidth	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
Low channel Band Edge								
5745.0	47.550	27	BPSK	2.12	5.12	30.00	-24.88	Pass
5745.0	47.250	270	64QAM	1.83	4.83	30.00	-25.17	Pass
Mid channel								
5775.0	47.100	27	BPSK	21.44	24.44	30.00	-5.56	Pass
5775.0	46.800	270	64QAM	21.25	24.25	30.00	-5.75	Pass
High channel Band Edge								
5805.0	46.950	27	BPSK	1.02	4.02	30.00	-25.98	Pass
5805.0	46.800	270	64QAM	1.18	4.18	30.00	-25.82	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.11 Conducted output power test results

ASSIGNED FREQUENCY RANGE:	5725-5825 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)
ANTENA 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**	
Low channel Band Edge								
5735	23.925	13	BPSK	-2.78	0.22	30.00	-29.78	Pass
5735	23.700	130	64QAM	-2.09	0.91	30.00	-29.09	Pass
Low channel In-Band								
5755	23.775	13	BPSK	23.22	26.22	30.00	-3.78	Pass
5755	24.000	130	64QAM	23.34	26.34	30.00	-3.66	Pass
Mid channel								
5775	23.700	13	BPSK	23.03	26.03	30.00	-3.97	Pass
5775	23.400	130	64QAM	23.25	26.25	30.00	-3.75	Pass
High channel In-Band								
5795	24.300	13	BPSK	23.12	26.12	30.00	-3.88	Pass
5795	23.700	130	64QAM	23.37	26.37	30.00	-3.63	Pass
High channel Band Edge								
5815	23.100	13	BPSK	-4.08	-1.08	30.00	-31.08	Pass
5815	23.100	130	64QAM	-3.37	-0.37	30.00	-30.37	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.12 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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**	
Low channel Band Edge								
5735	14.400	6.5	BPSK	15.94	18.94	28.08	-9.14	Pass
5735	13.950	65	64QAM	15.89	18.89	27.95	-9.06	Pass
Low channel In-Band								
5740	14.900	6.5	BPSK	22.68	25.68	28.23	-2.55	Pass
5740	14.050	65	64QAM	23.39	26.39	27.98	-1.59	Pass
Mid channel								
5775	14.600	6.5	BPSK	22.79	25.79	28.14	-2.35	Pass
5775	14.250	65	64QAM	22.72	25.72	28.04	-2.32	Pass
High channel In-Band								
5810	14.200	6.5	BPSK	22.24	25.24	28.02	-2.78	Pass
5810	14.200	65	64QAM	21.92	24.92	28.02	-3.10	Pass
High channel Band Edge								
5815	14.750	6.5	BPSK	14.57	17.57	28.19	-10.62	Pass
5815	14.300	65	64QAM	14.50	17.50	28.05	-10.55	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.13 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge								
5730	7.225	3.25	BPSK	12.11	15.11	25.09	-9.98	Pass
5730	7.125	32.5	64QAM	12.22	15.22	25.03	-9.81	Pass
Low channel In-Band								
5735	7.375	3.25	BPSK	13.69	16.69	25.18	-8.49	Pass
5735	6.850	32.5	64QAM	14.23	17.23	24.86	-7.63	Pass
Mid channel								
5775	6.950	3.25	BPSK	14.12	17.12	24.92	-7.80	Pass
5775	7.000	32.5	64QAM	14.58	17.58	24.95	-7.37	Pass
High channel In-Band								
5815	6.800	3.25	BPSK	14.37	17.37	24.83	-7.46	Pass
5815	6.825	32.5	64QAM	13.86	16.86	24.84	-7.98	Pass
High channel Band Edge								
5820	6.900	3.25	BPSK	11.01	14.01	24.89	-10.88	Pass
5820	6.750	32.5	64QAM	10.55	13.55	24.79	-11.24	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Reference numbers of test equipment used

HL 2909	HL 2953	HL 3768	HL 3776	HL 3787			

Full description is given in Appendix A.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.14 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE:	5725-5825 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	22.5 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**	
Low channel Band Edge							
5745.0	27	BPSK	-18.01	-15.01	17.0	-32.01	Pass
5745.0	270	64QAM	-18.34	-15.34	17.0	-32.34	Pass
Mid channel							
5775.0	27	BPSK	1.24	4.24	17.0	-12.76	Pass
5775.0	270	64QAM	1.30	4.30	17.0	-12.70	Pass
High channel Band Edge							
5805.0	27	BPSK	-19.22	-16.22	17.0	-33.22	Pass
5805.0	270	64QAM	-19.27	-16.27	17.0	-33.27	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.15 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA ASSEMBLY GAIN 22.5 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**	
Low channel Band Edge							
5735	13	BPSK	-20.07	-17.07	17.0	-34.07	Pass
5735	130	64QAM	-20.27	-17.27	17.0	-34.27	Pass
Low channel In-Band							
5755	13	BPSK	5.90	8.90	17.0	-8.10	Pass
5755	130	64QAM	6.14	9.14	17.0	-7.86	Pass
Mid channel							
5775	13	BPSK	5.25	8.25	17.0	-8.75	Pass
5775	130	64QAM	5.80	8.80	17.0	-8.20	Pass
High channel In-Band							
5795	13	BPSK	5.98	8.98	17.0	-8.02	Pass
5795	130	64QAM	5.92	8.92	17.0	-8.08	Pass
High channel Band Edge							
5815	13	BPSK	-21.72	-18.72	17.0	-35.72	Pass
5815	130	64QAM	-20.91	-17.91	17.0	-34.91	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.16 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA ASSEMBLY GAIN 22.5 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**	
Low channel Band Edge							
5735	6.5	BPSK	0.55	3.55	17.0	-13.45	Pass
5735	65	64QAM	1.31	4.31	17.0	-12.69	Pass
Low channel In-Band							
5740	6.5	BPSK	7.91	10.91	17.0	-6.09	Pass
5740	65	64QAM	8.49	11.49	17.0	-5.51	Pass
Mid channel							
5775	6.5	BPSK	7.27	10.27	17.0	-6.73	Pass
5775	65	64QAM	7.60	10.60	17.0	-6.40	Pass
High channel In-Band							
5810	6.5	BPSK	7.82	10.82	17.0	-6.18	Pass
5810	65	64QAM	7.49	10.49	17.0	-6.51	Pass
High channel Band Edge							
5815	6.5	BPSK	-0.07	2.93	17.0	-14.07	Pass
5815	65	64QAM	0.02	3.02	17.0	-13.98	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.1.17 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA ASSEMBLY GAIN 22.5 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**	
Low channel Band Edge							
5730	3.25	BPSK	0.00	3.00	17.0	-14.00	Pass
5730	32.5	64QAM	-0.02	2.98	17.0	-14.02	Pass
Low channel In-Band							
5735	3.25	BPSK	3.05	6.05	17.0	-10.95	Pass
5735	32.5	64QAM	3.30	6.30	17.0	-10.70	Pass
Mid channel							
5775	3.25	BPSK	3.14	6.14	17.0	-10.86	Pass
5775	32.5	64QAM	2.88	5.88	17.0	-11.12	Pass
High channel In-Band							
5815	3.25	BPSK	2.67	5.67	17.0	-11.33	Pass
5815	32.5	64QAM	2.72	5.72	17.0	-11.28	Pass
High channel Band Edge							
5820	3.25	BPSK	-0.75	2.25	17.0	-14.75	Pass
5820	32.5	64QAM	-0.20	2.80	17.0	-14.20	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Reference numbers of test equipment used

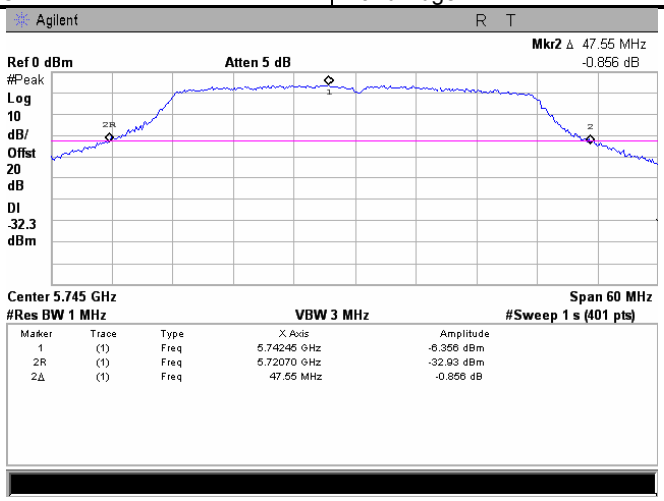
HL 2909	HL 2953	HL 3768	HL 3776	HL 3787			

Full description is given in Appendix A.

Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

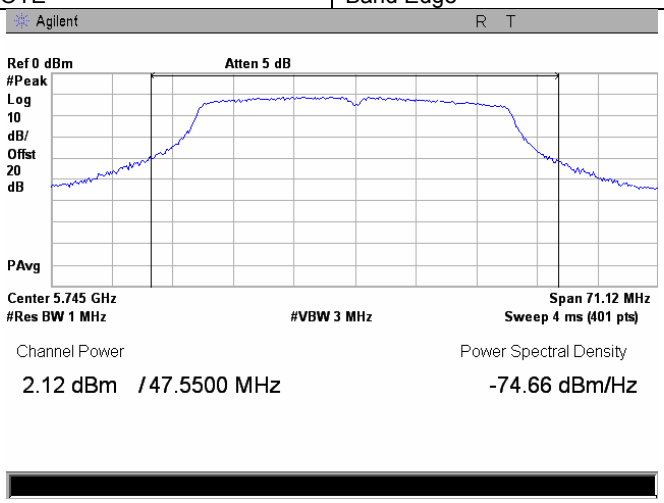
Plot 7.1.97 The 26 dB emission bandwidth

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.98 Peak output power

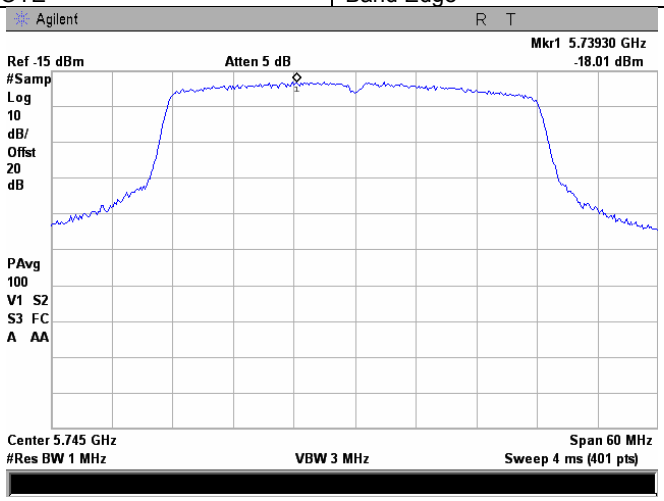
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

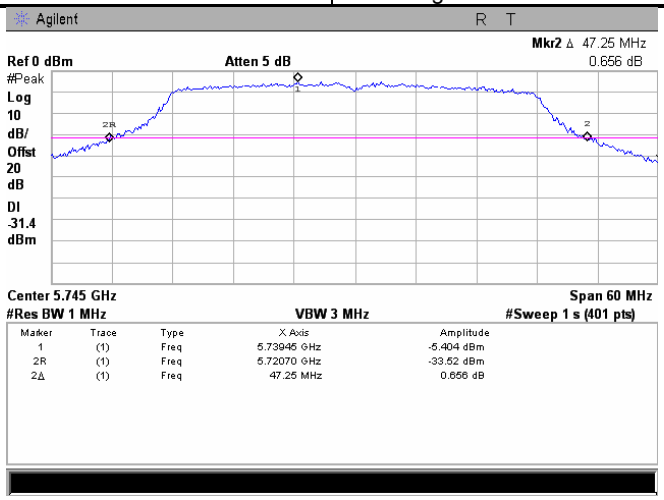
Plot 7.1.99 Peak spectral power density

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.100 The 26 dB emission bandwidth

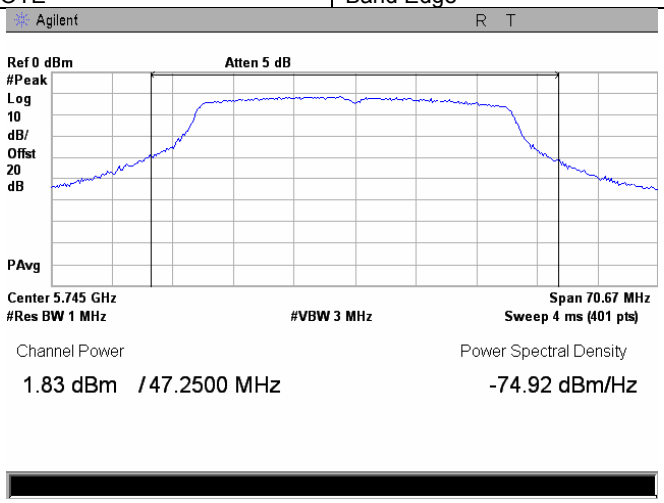
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

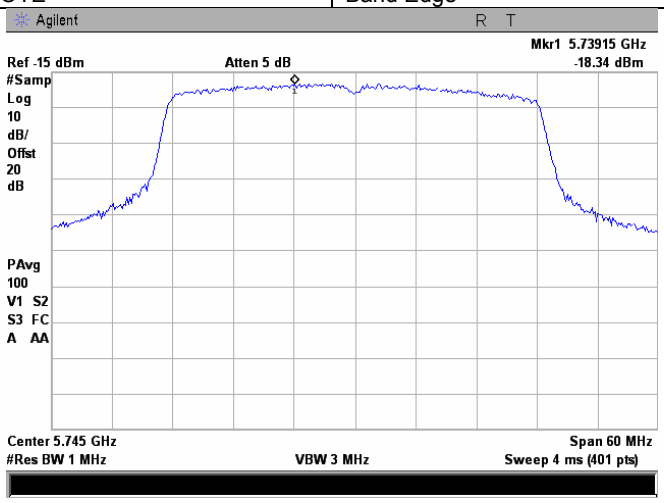
Plot 7.1.101 Peak output power

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.102 Peak spectral power density

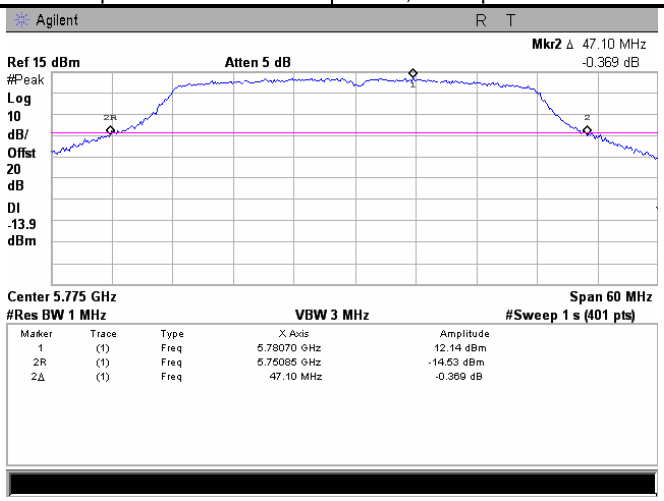
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

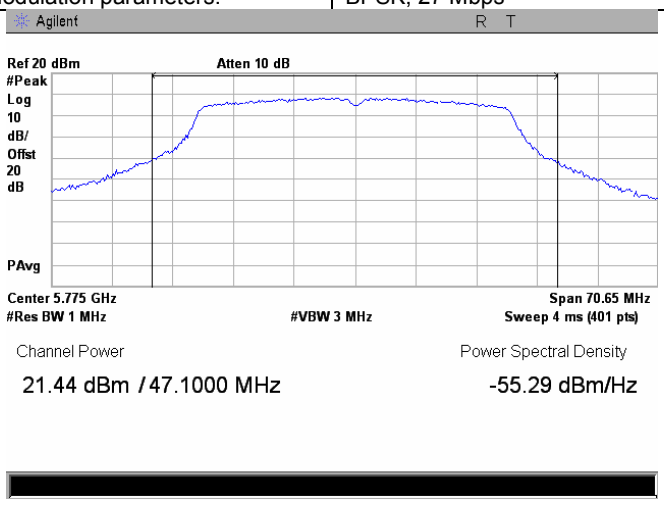
Plot 7.1.103 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.104 Peak output power

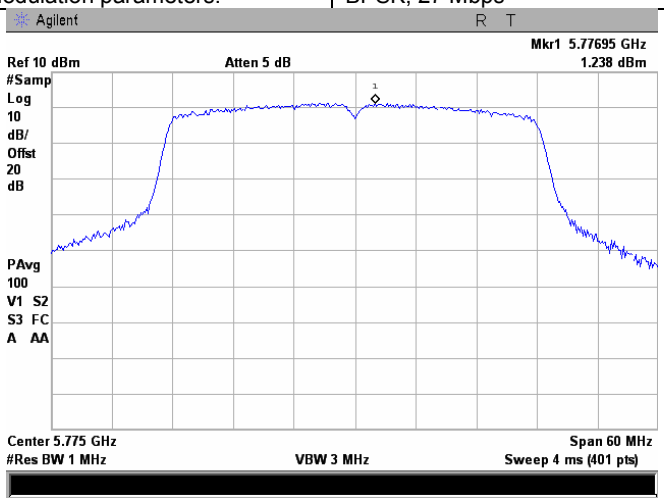
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

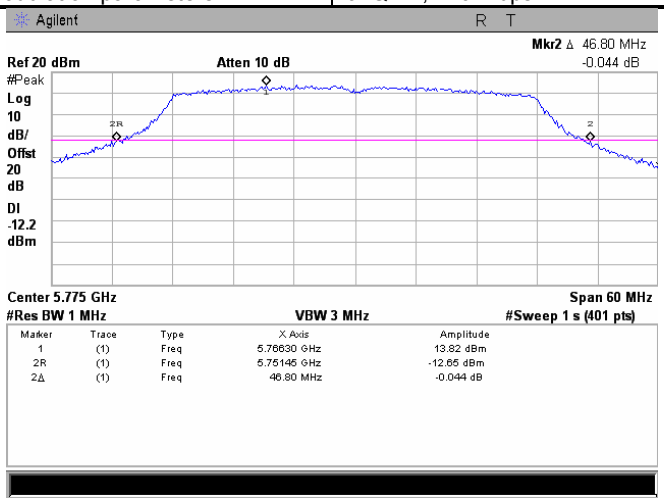
Plot 7.1.105 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.106 The 26 dB emission bandwidth

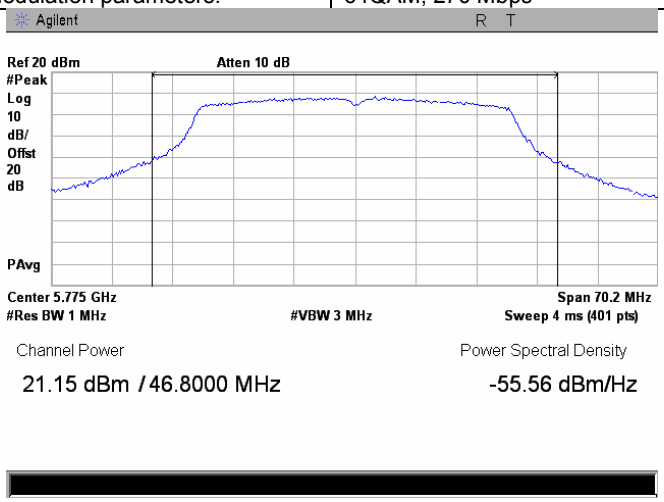
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

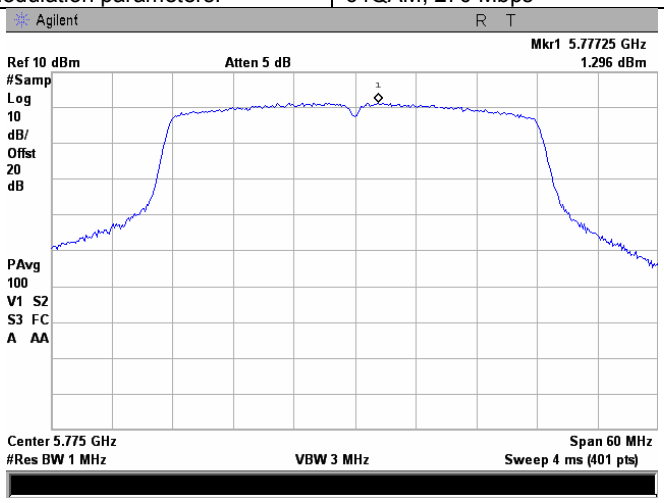
Plot 7.1.107 Peak output power

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.108 Peak spectral power density

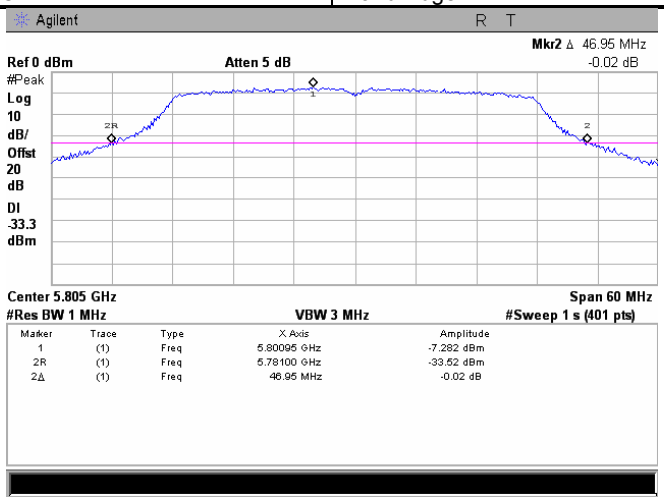
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

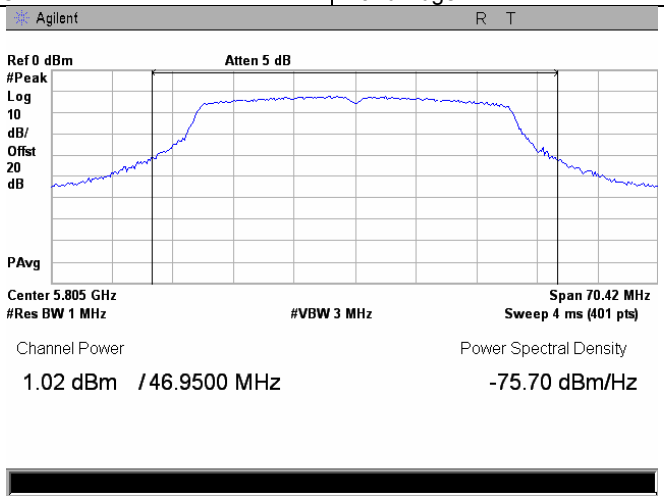
Plot 7.1.109 The 26 dB emission bandwidth

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.110 Peak output power

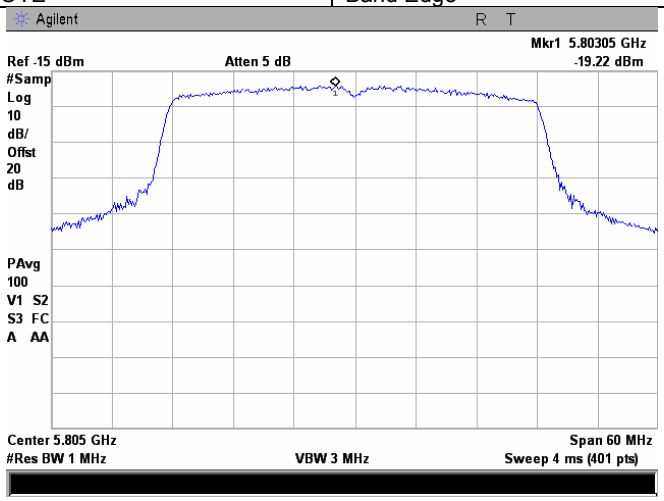
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

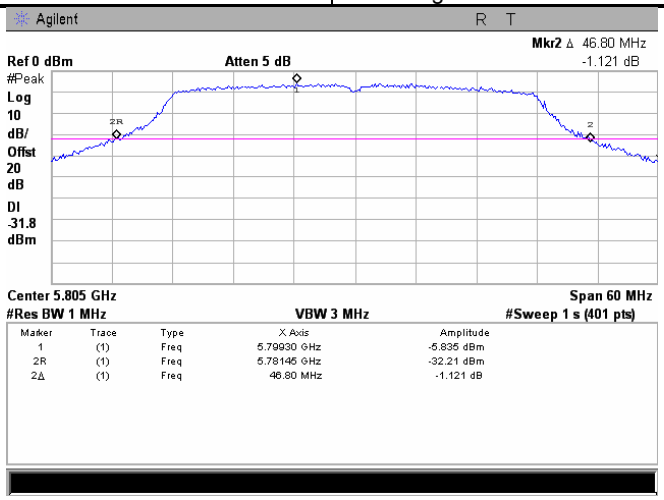
Plot 7.1.111 Peak spectral power density

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.112 The 26 dB emission bandwidth

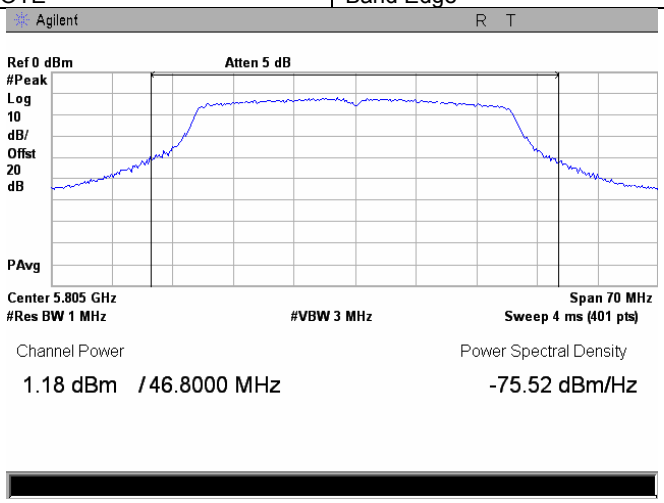
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

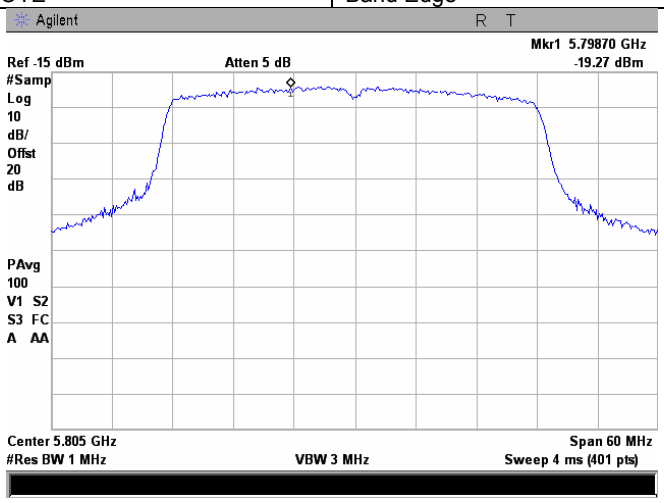
Plot 7.1.113 Peak output power

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.114 Peak spectral power density

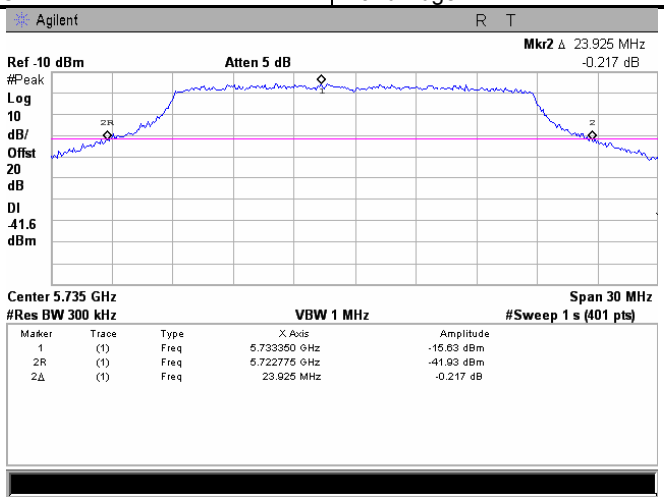
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

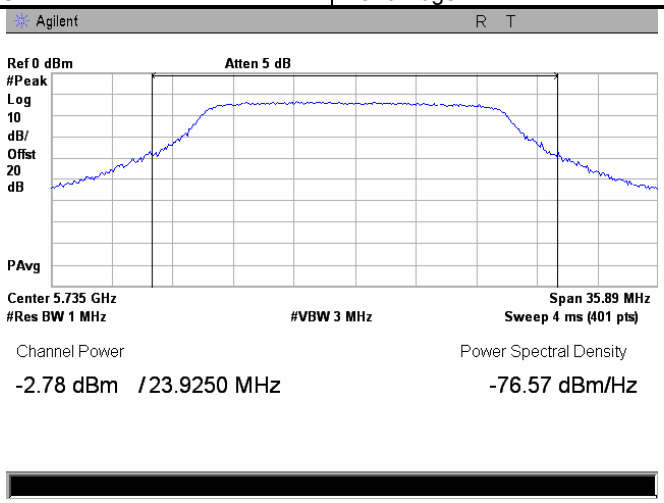
Plot 7.1.115 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.116 Peak output power

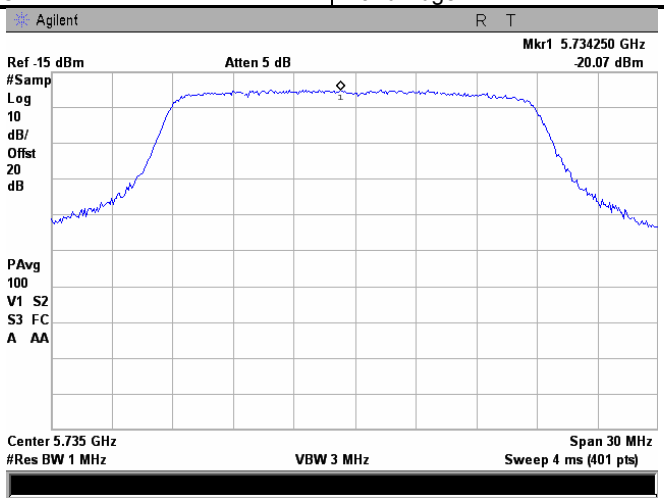
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

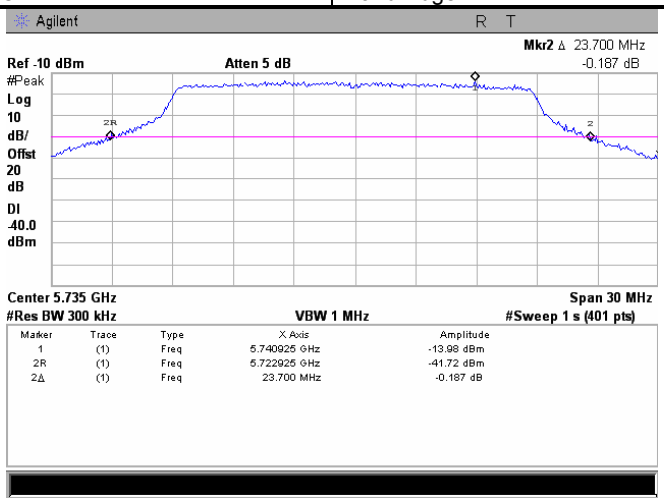
Plot 7.1.117 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.118 The 26 dB emission bandwidth

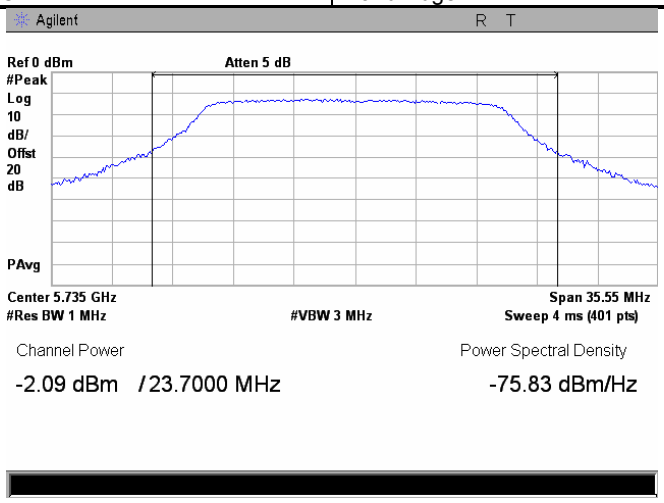
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

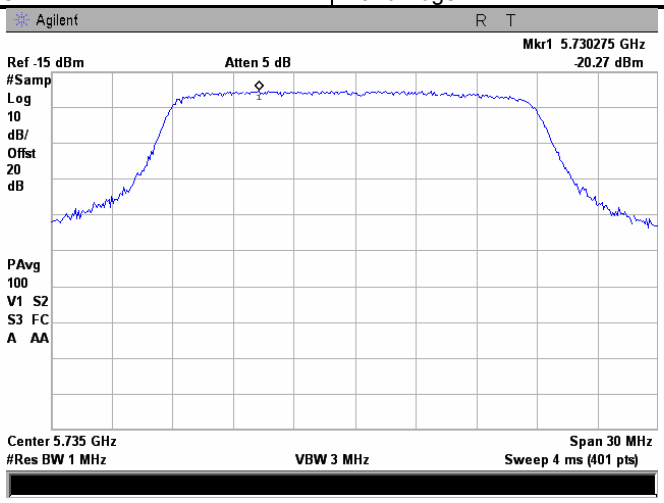
Plot 7.1.119 Peak output power

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.120 Peak spectral power density

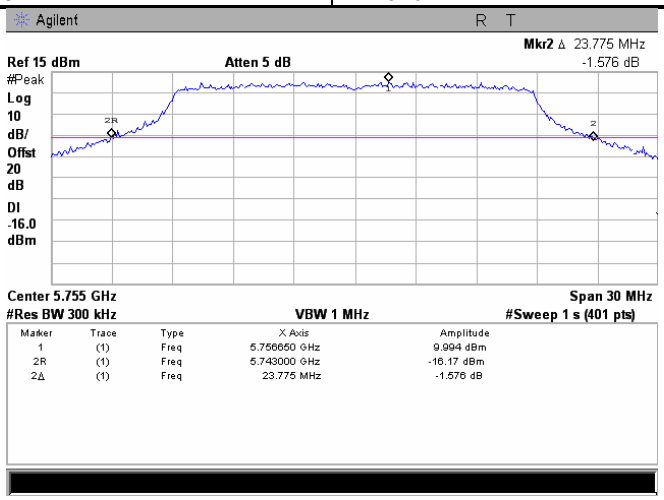
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

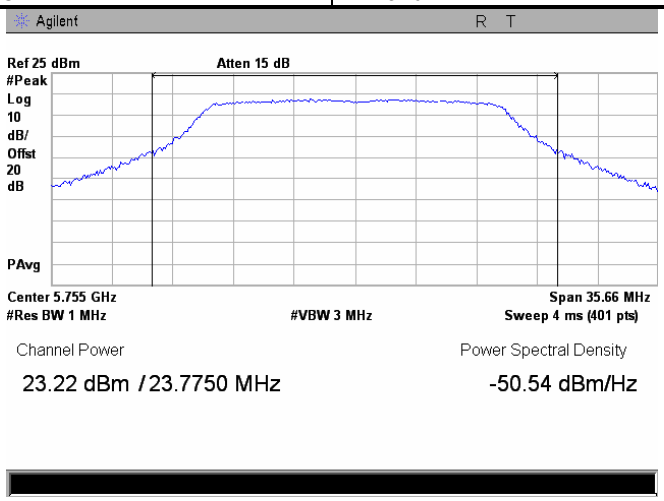
Plot 7.1.121 The 26 dB emission bandwidth

Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.122 Peak output power

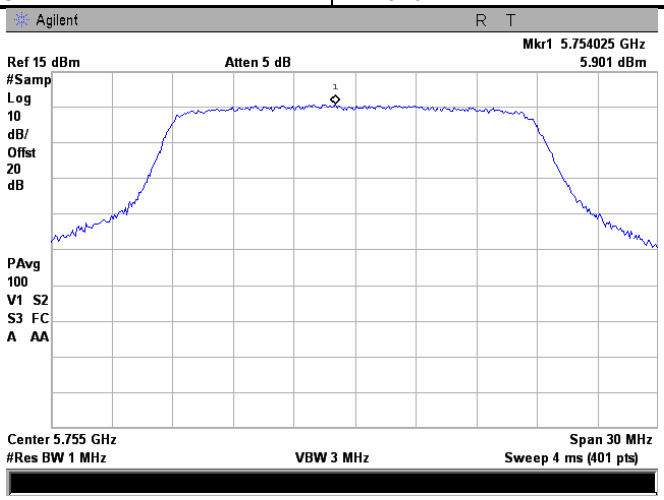
Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

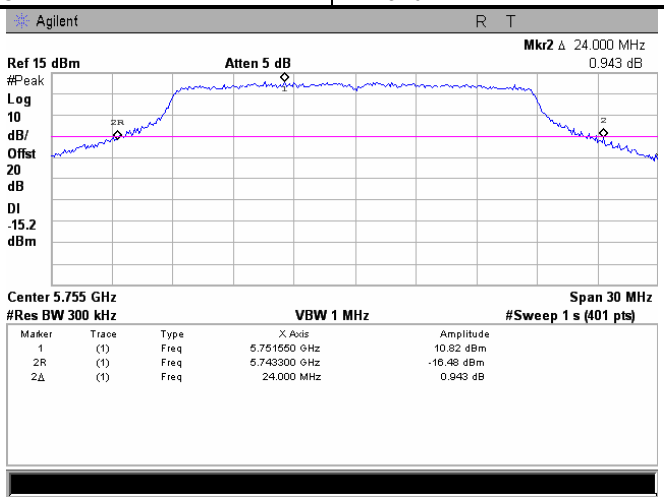
Plot 7.1.123 Peak spectral power density

Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.124 The 26 dB emission bandwidth

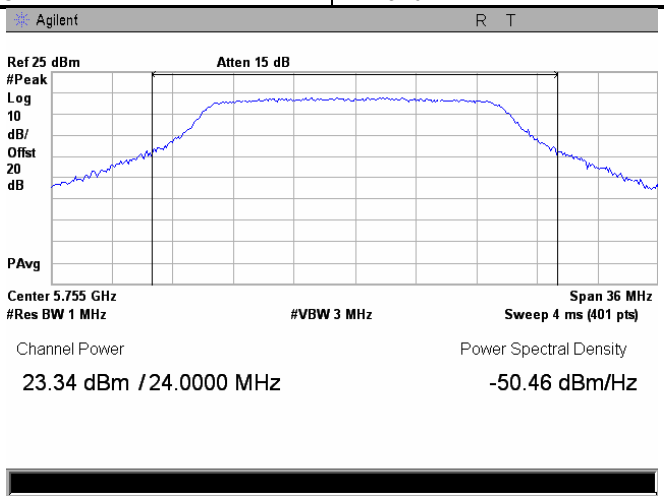
Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

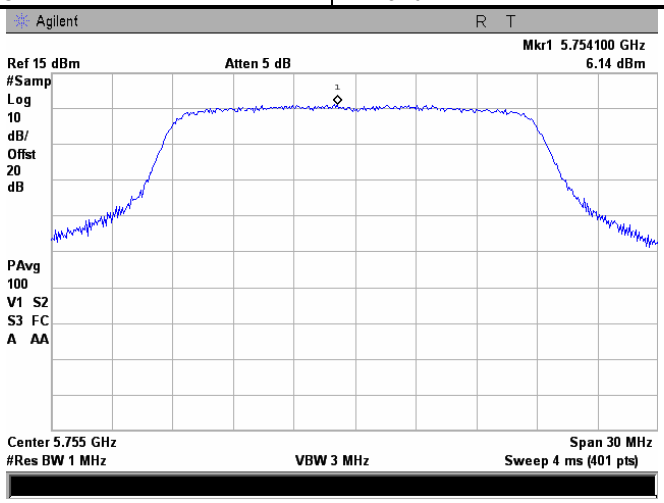
Plot 7.1.125 Peak output power

Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.126 Peak spectral power density

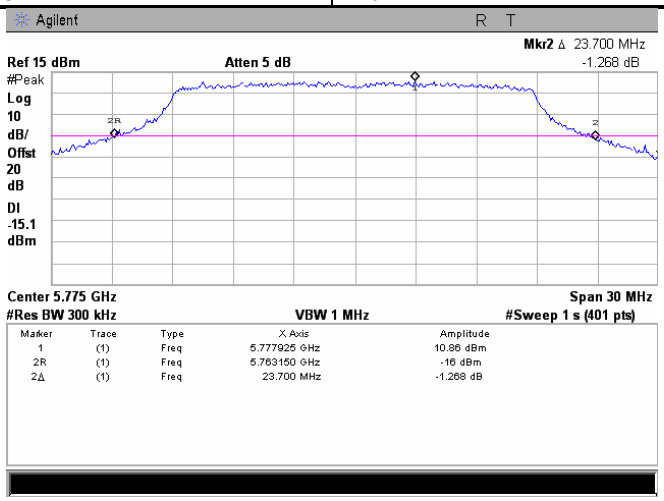
Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

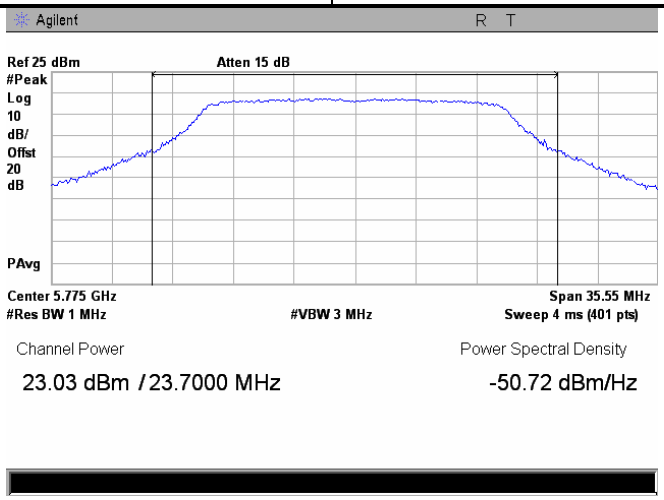
Plot 7.1.127 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.128 Peak output power

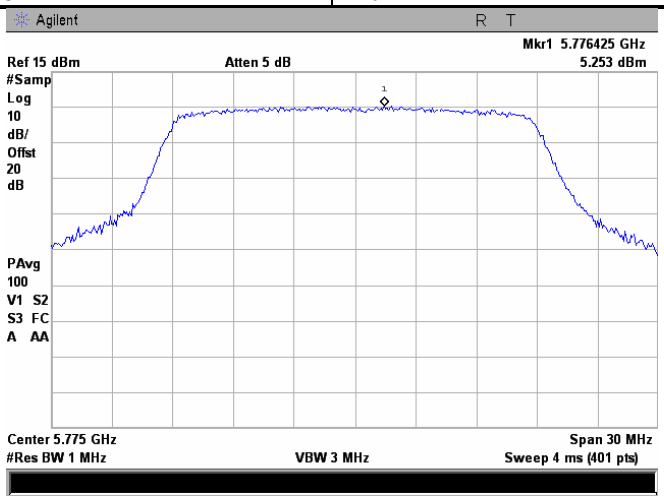
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

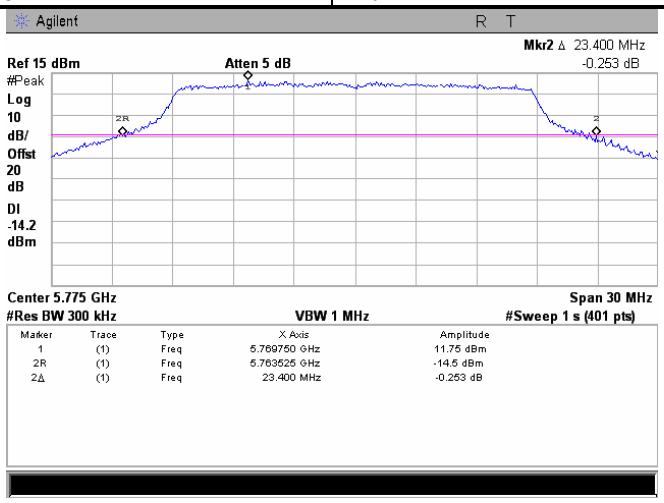
Plot 7.1.129 Peak spectral power density

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.130 The 26 dB emission bandwidth

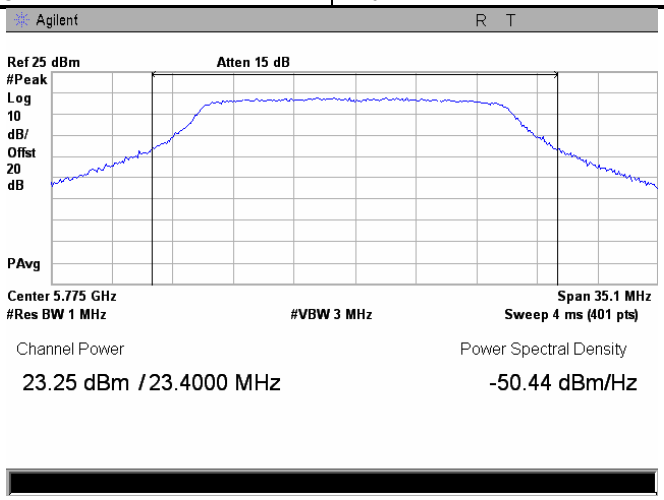
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

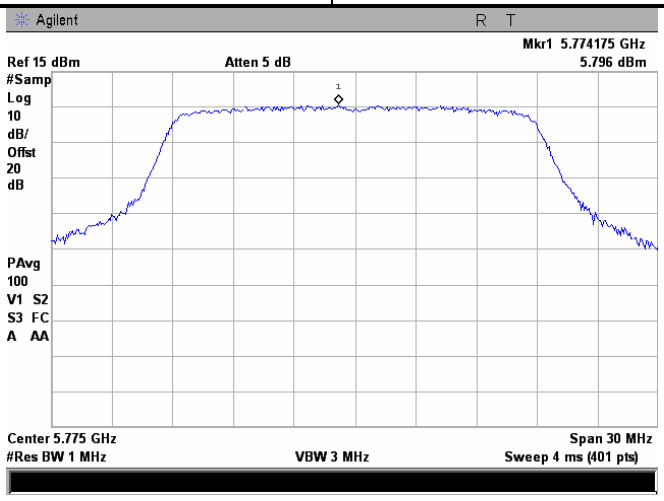
Plot 7.1.131 Peak output power

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Plot 7.1.132 Peak spectral power density

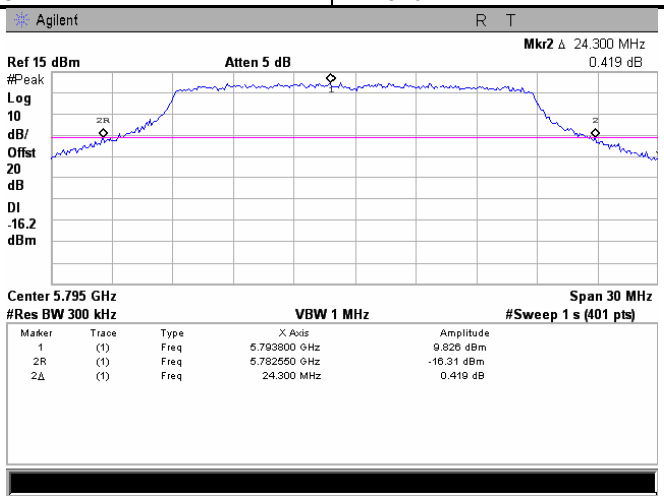
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

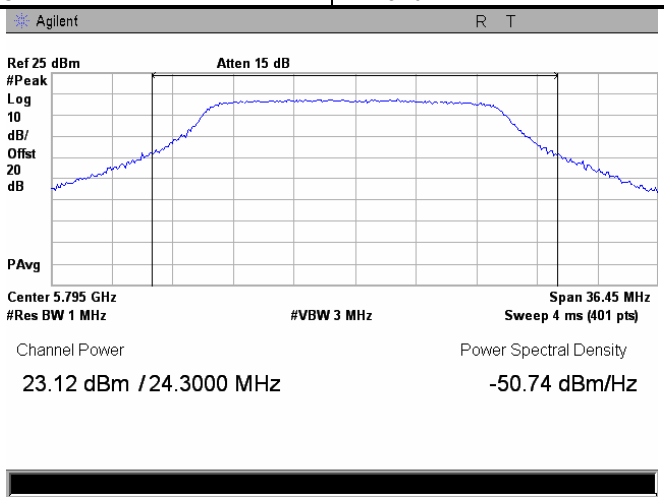
Plot 7.1.133 The 26 dB emission bandwidth

Frequency:	5795 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.134 Peak output power

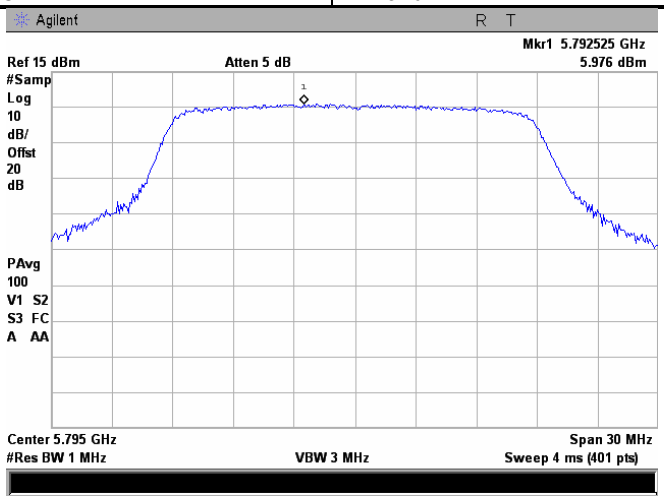
Frequency:	5795 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

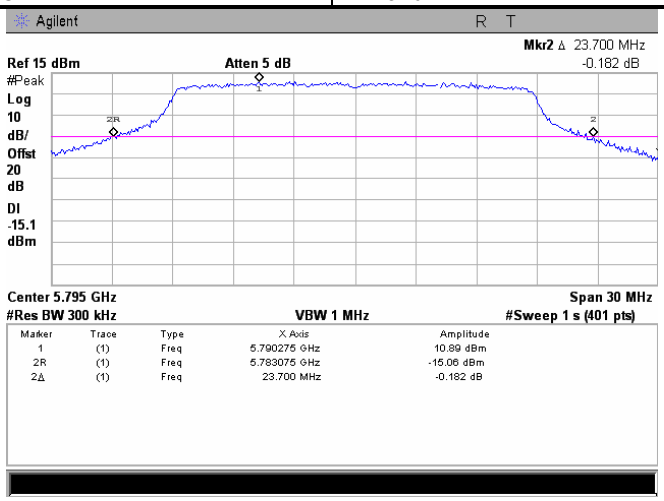
Plot 7.1.135 Peak spectral power density

Frequency:	5795 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.136 The 26 dB emission bandwidth

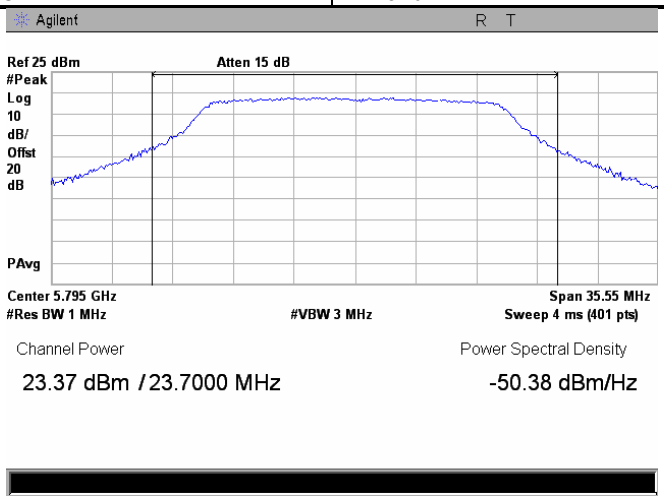
Frequency:	5795 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

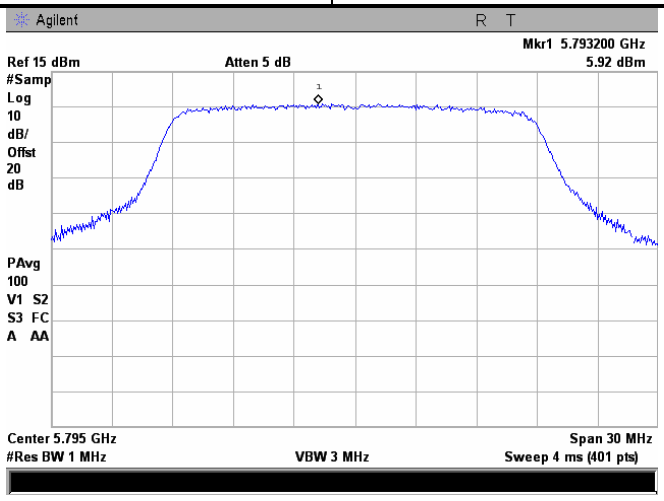
Plot 7.1.137 Peak output power

Frequency:	5795 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.138 Peak spectral power density

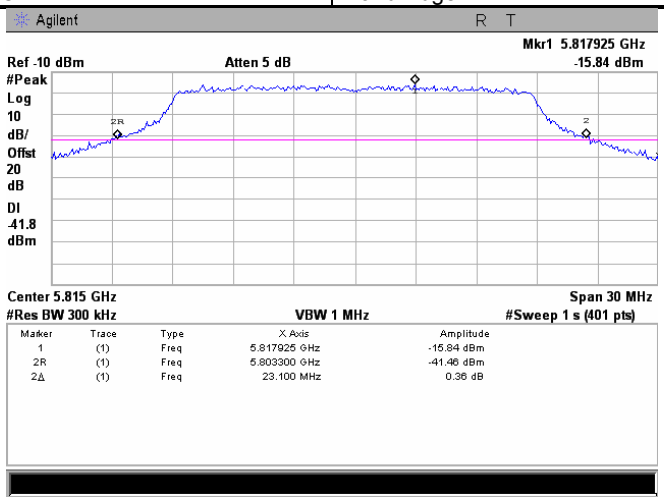
Frequency:	5795 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

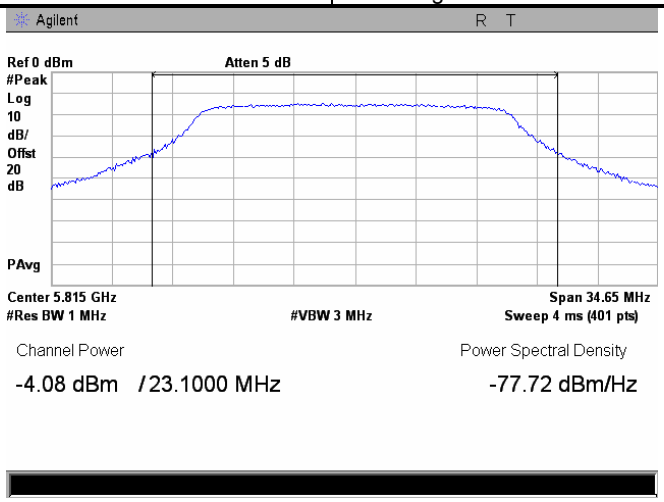
Plot 7.1.139 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.140 Peak output power

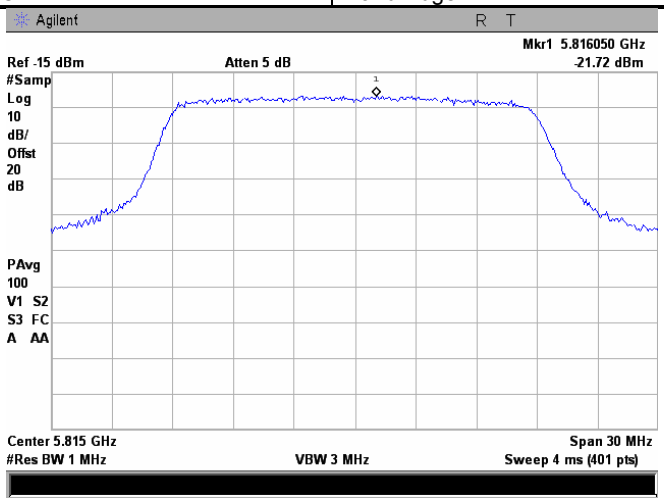
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

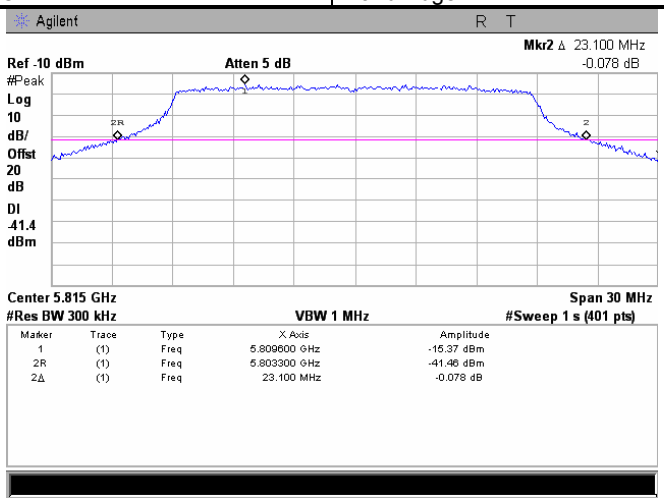
Plot 7.1.141 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.142 The 26 dB emission bandwidth

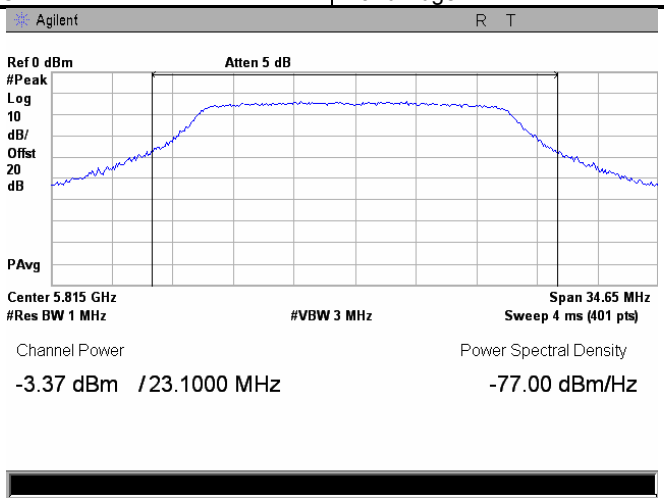
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

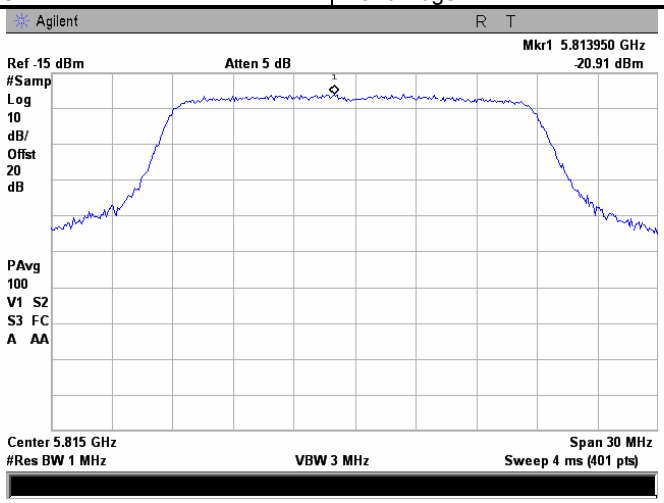
Plot 7.1.143 Peak output power

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.144 Peak spectral power density

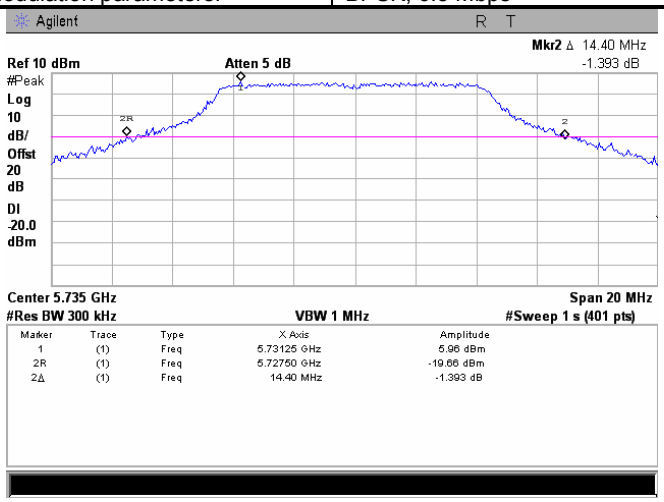
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

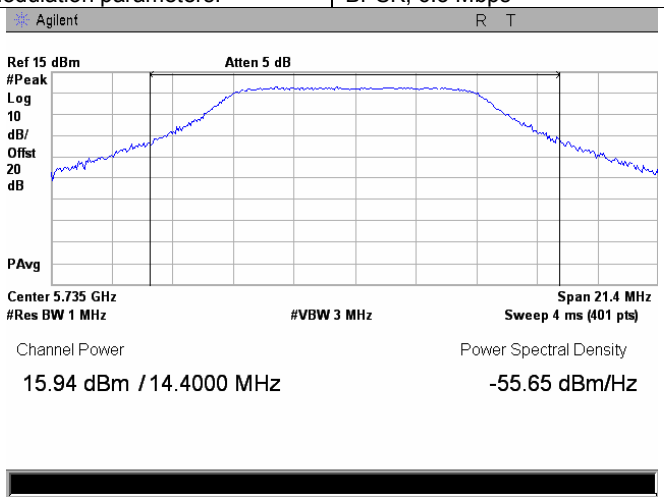
Plot 7.1.145 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.146 Peak output power

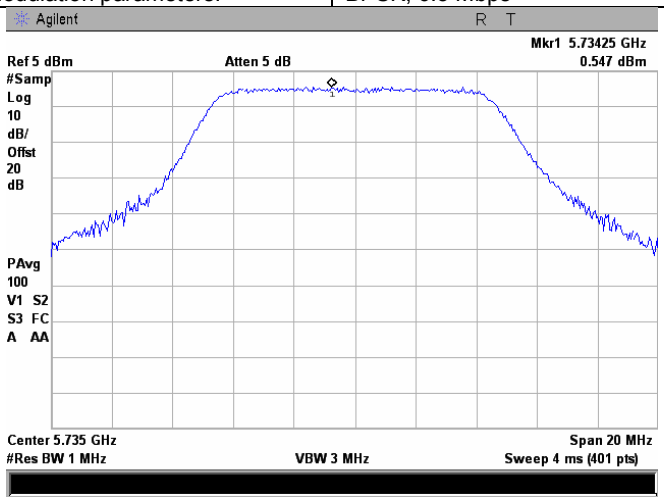
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

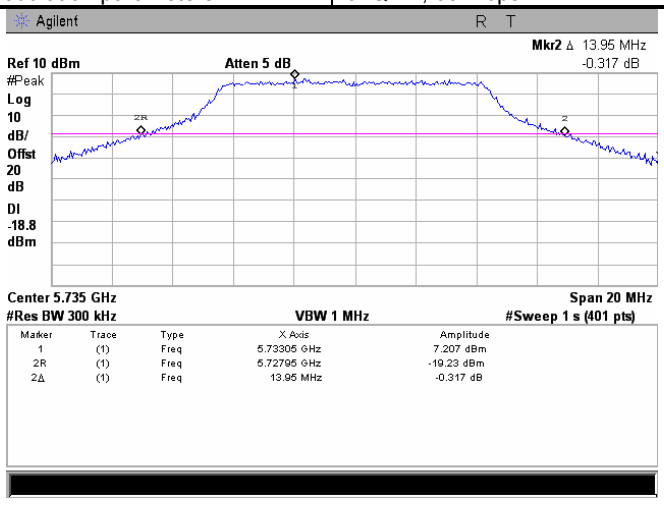
Plot 7.1.147 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.148 The 26 dB emission bandwidth

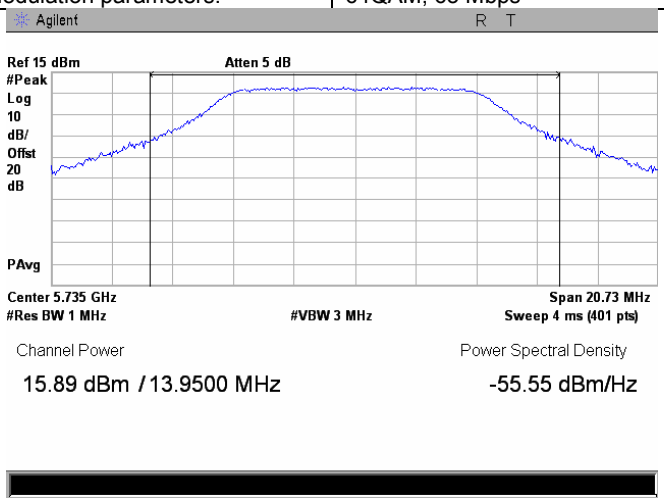
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

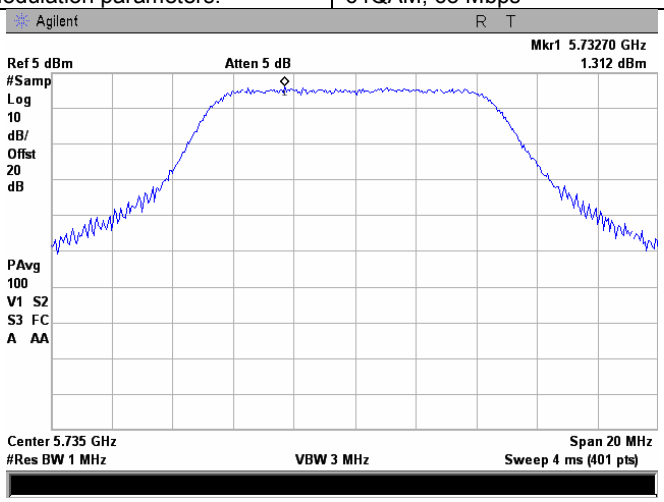
Plot 7.1.149 Peak output power

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.150 Peak spectral power density

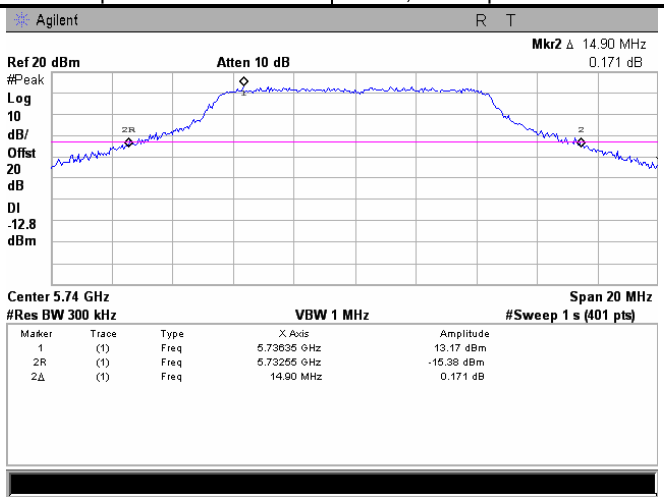
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

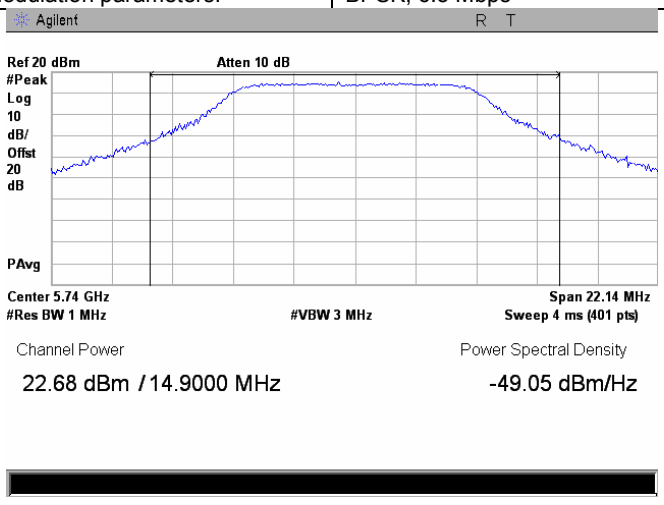
Plot 7.1.151 The 26 dB emission bandwidth

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.152 Peak output power

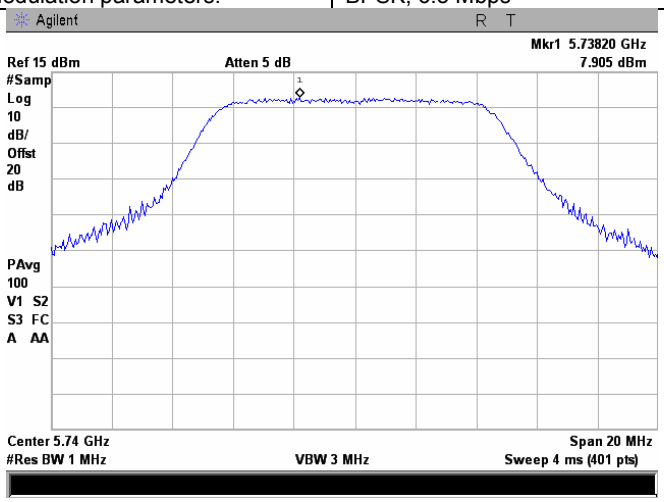
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

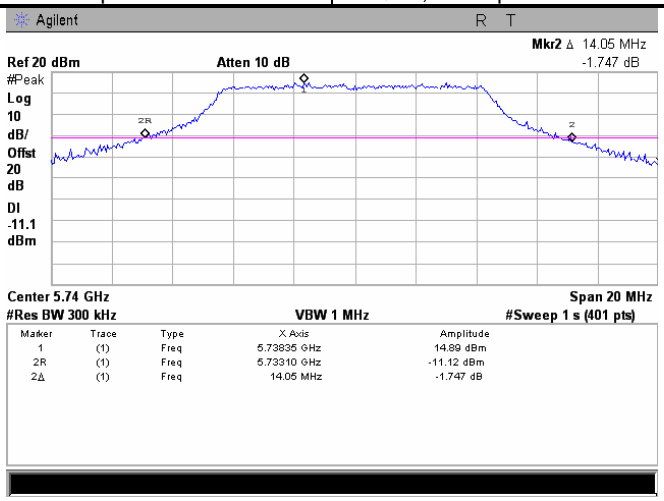
Plot 7.1.153 Peak spectral power density

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.154 The 26 dB emission bandwidth

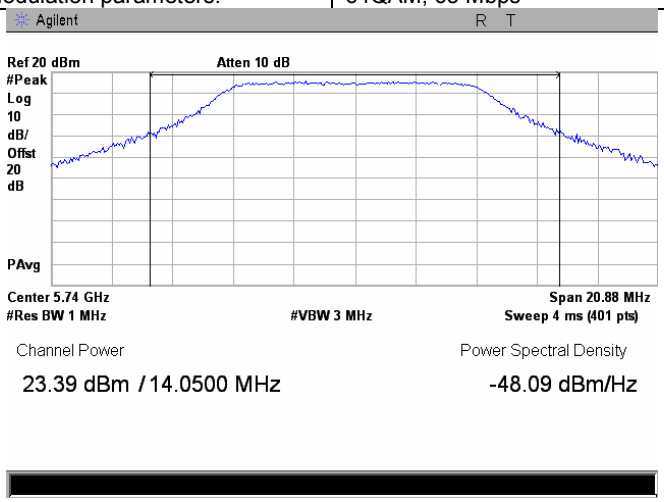
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

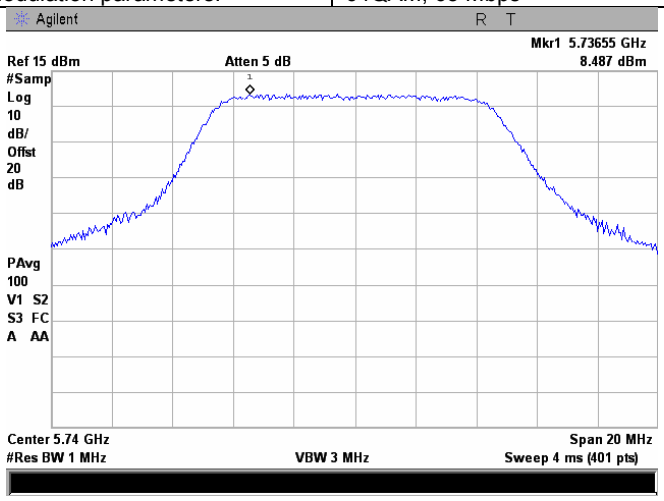
Plot 7.1.155 Peak output power

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.156 Peak spectral power density

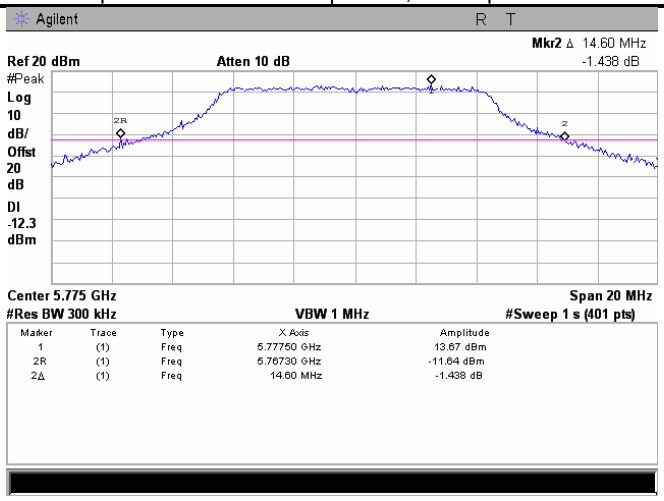
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

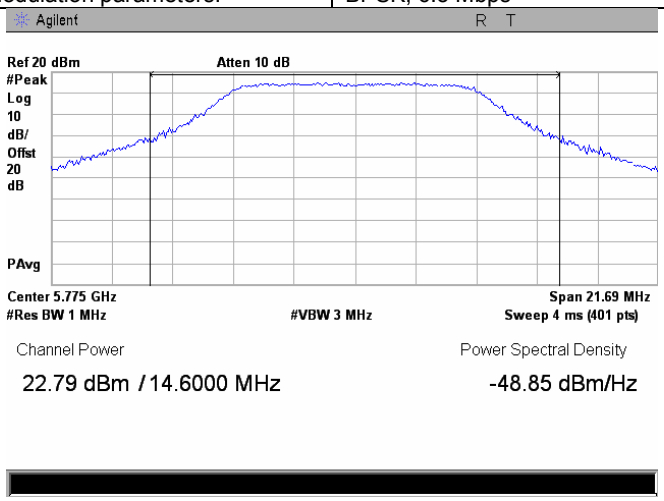
Plot 7.1.157 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.158 Peak output power

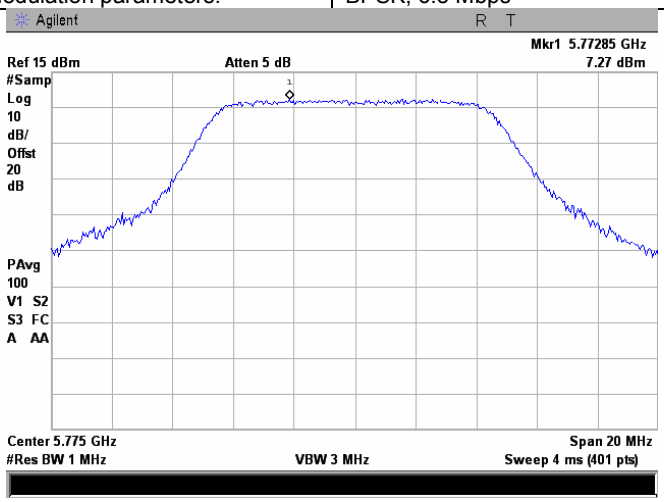
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

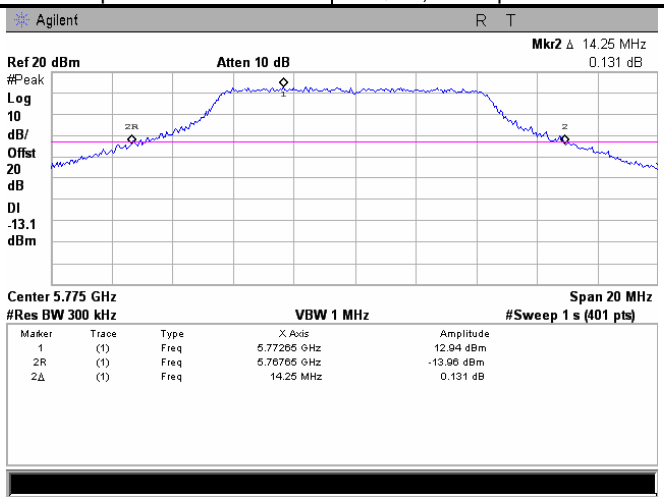
Plot 7.1.159 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.160 The 26 dB emission bandwidth

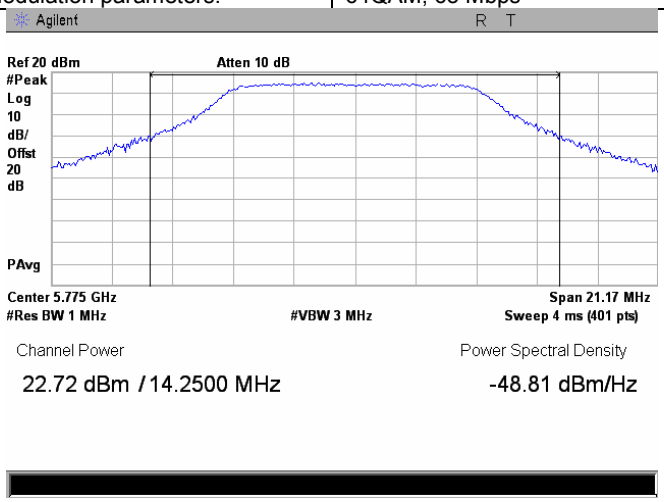
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

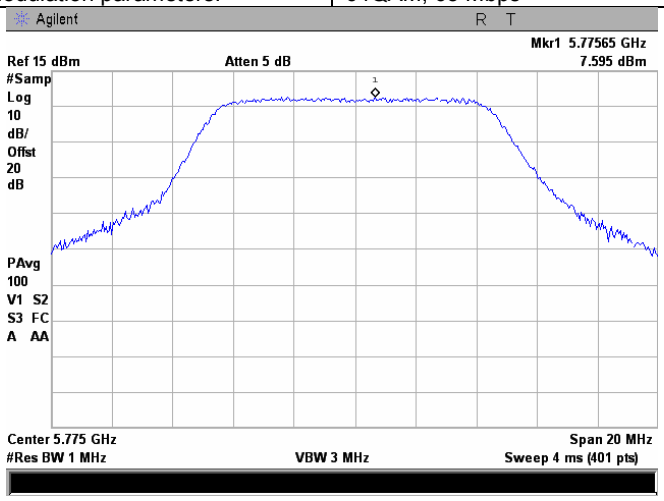
Plot 7.1.161 Peak output power

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.162 Peak spectral power density

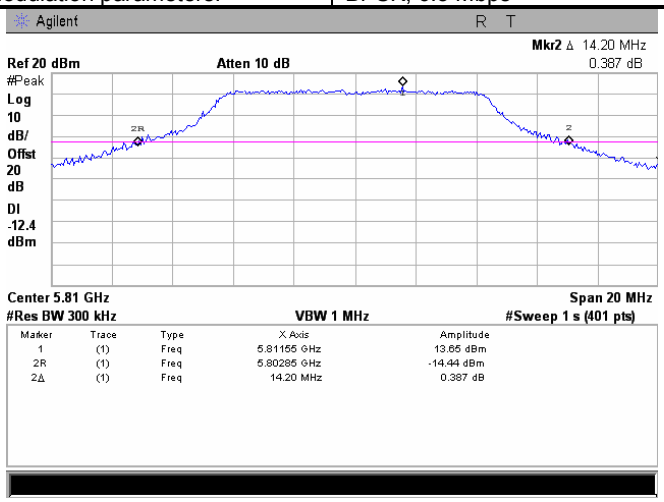
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

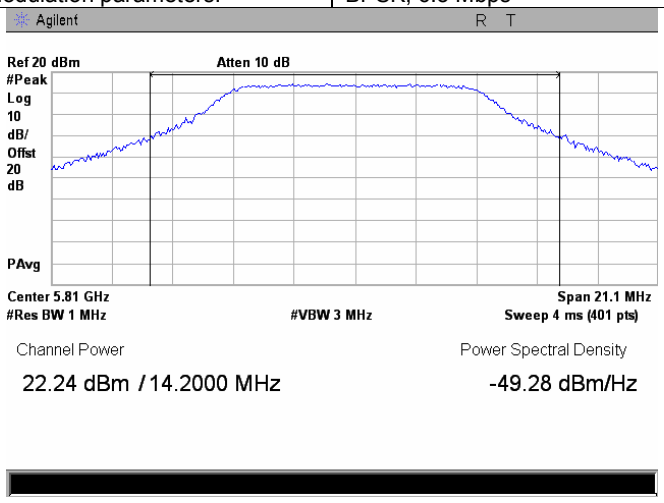
Plot 7.1.163 The 26 dB emission bandwidth

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.164 Peak output power

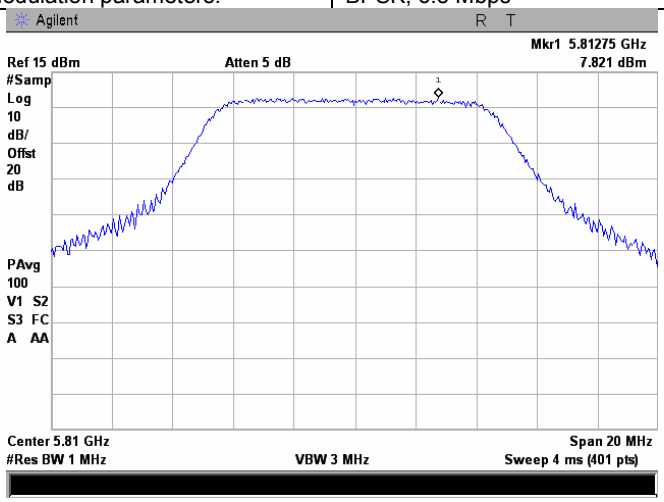
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

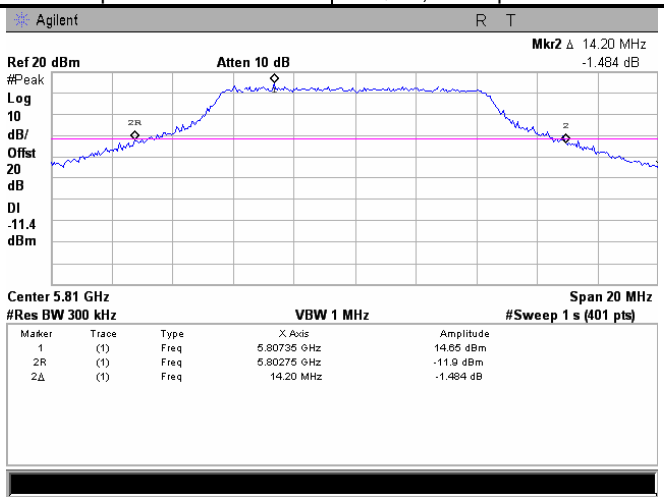
Plot 7.1.165 Peak spectral power density

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.166 The 26 dB emission bandwidth

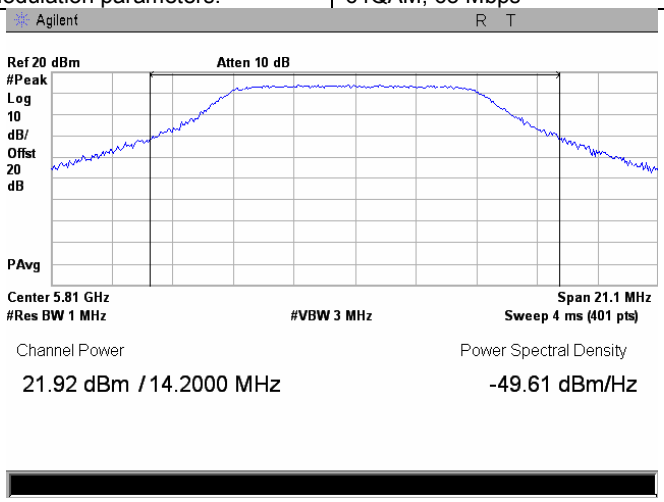
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

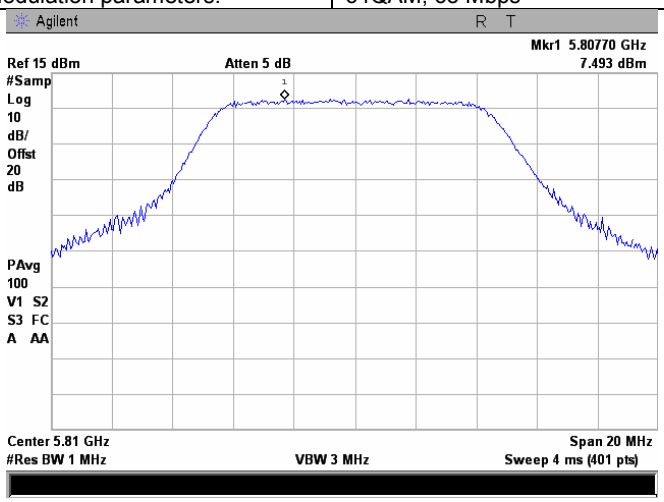
Plot 7.1.167 Peak output power

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.168 Peak spectral power density

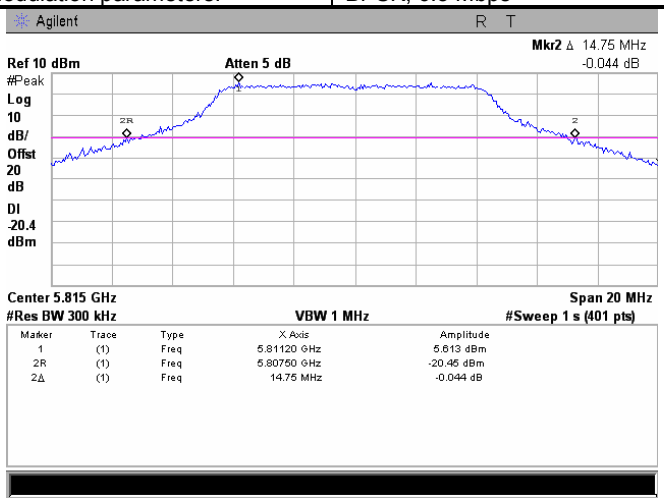
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

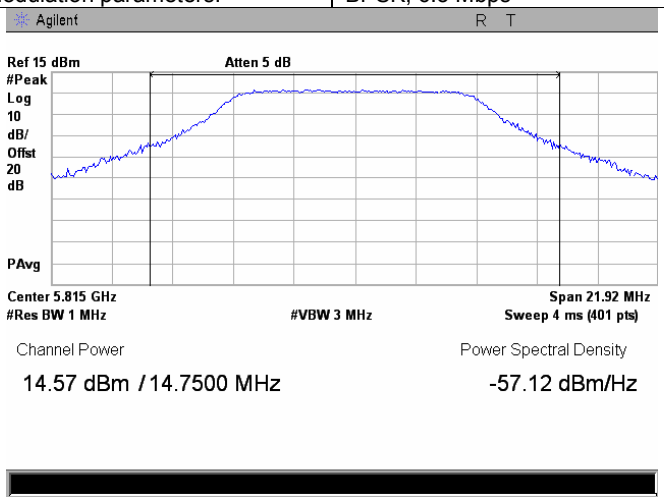
Plot 7.1.169 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.170 Peak output power

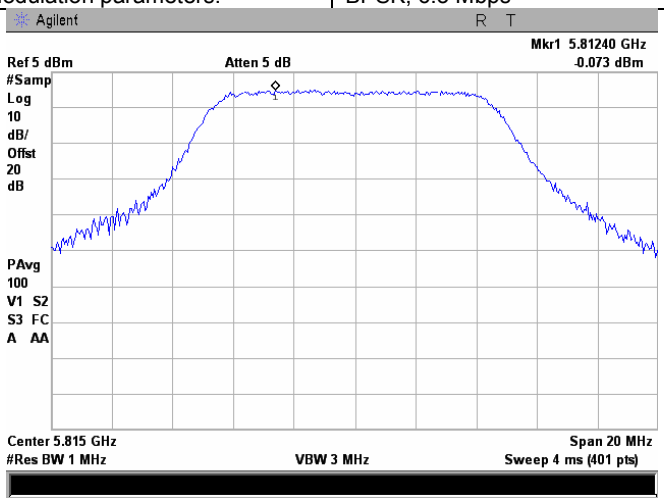
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

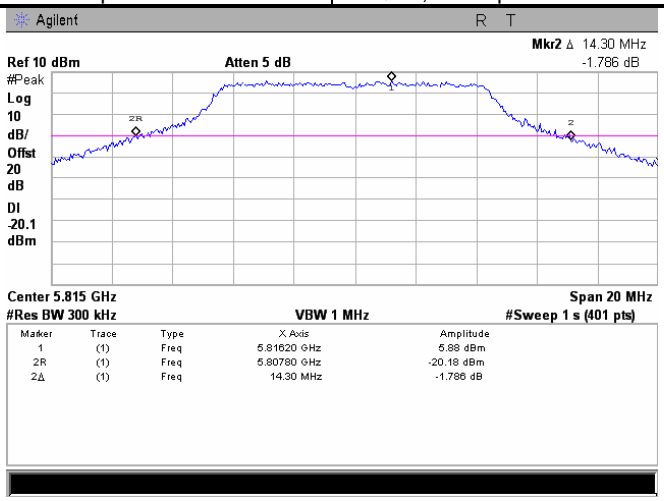
Plot 7.1.171 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.172 The 26 dB emission bandwidth

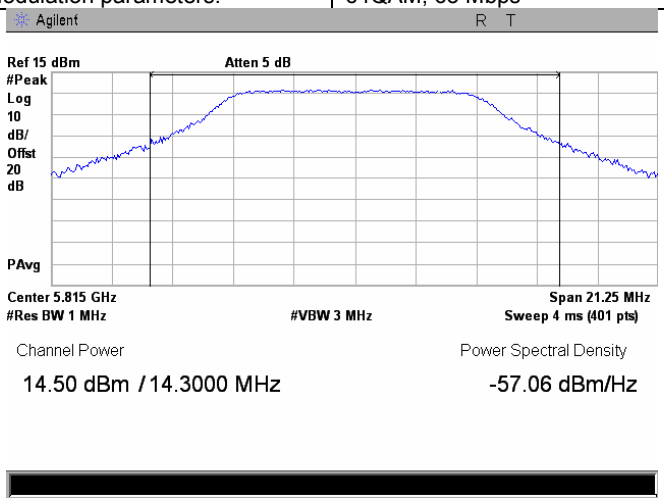
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

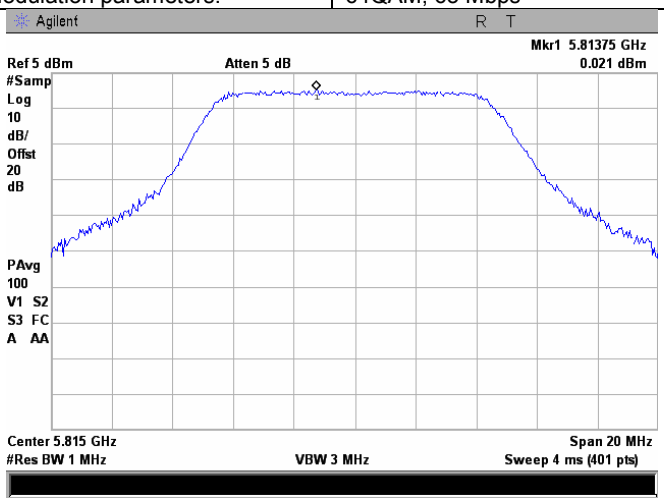
Plot 7.1.173 Peak output power

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.174 Peak spectral power density

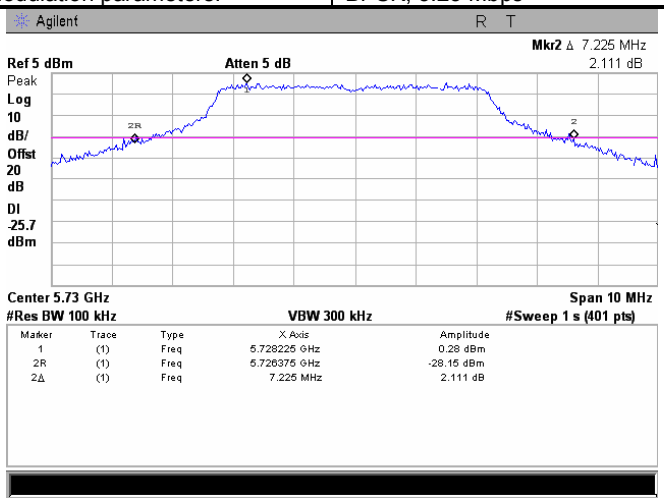
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

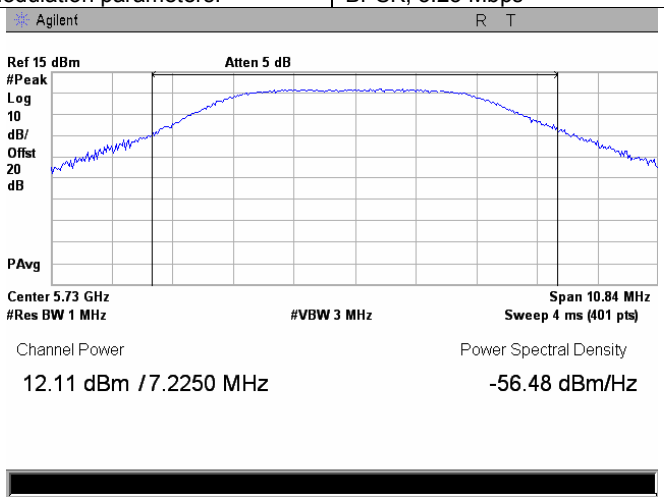
Plot 7.1.175 The 26 dB emission bandwidth

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.176 Peak output power

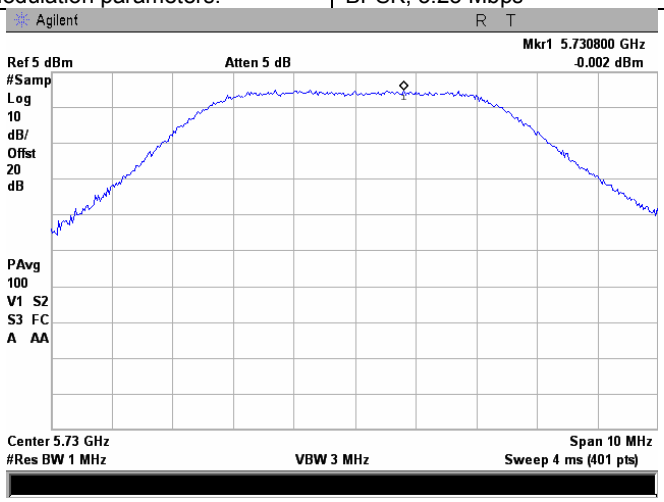
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

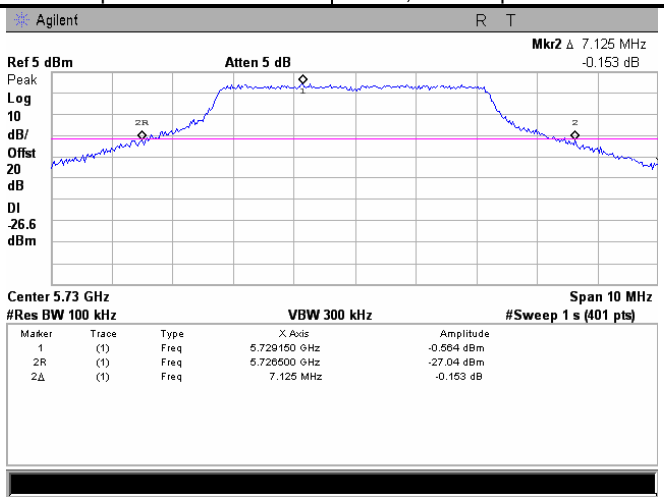
Plot 7.1.177 Peak spectral power density

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.178 The 26 dB emission bandwidth

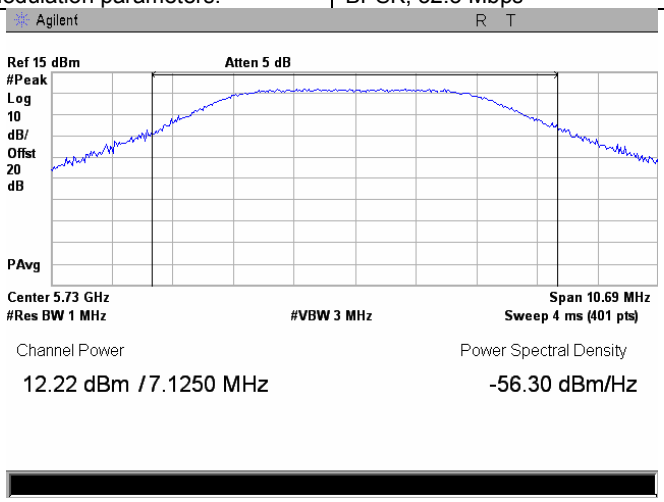
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

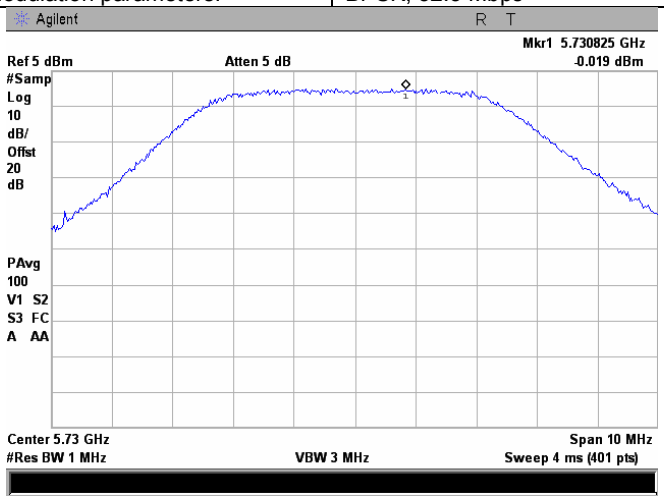
Plot 7.1.179 Peak output power

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.180 Peak spectral power density

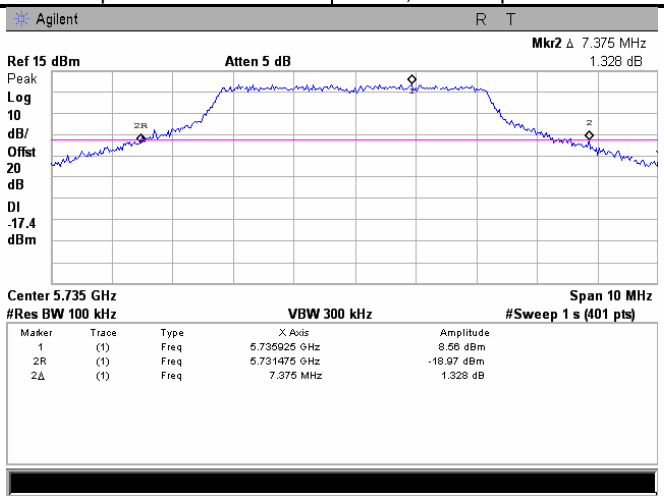
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

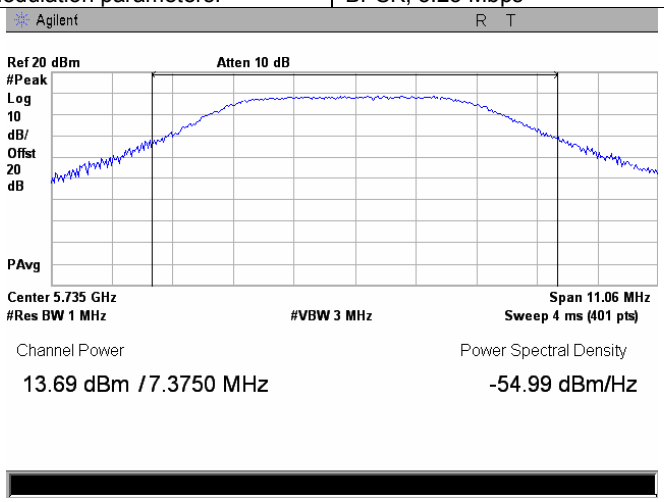
Plot 7.1.181 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.182 Peak output power

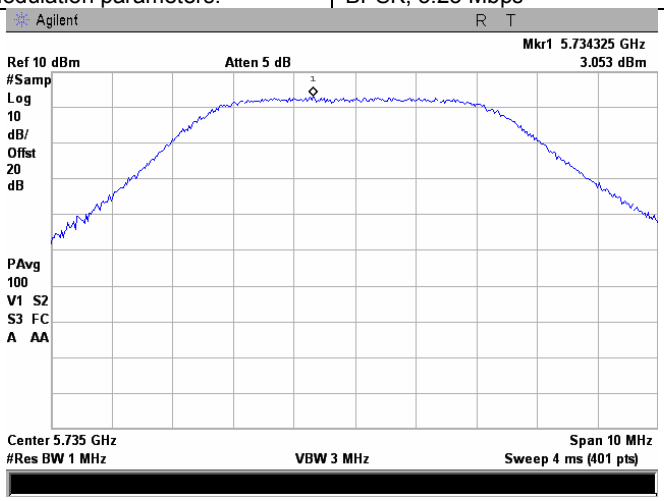
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

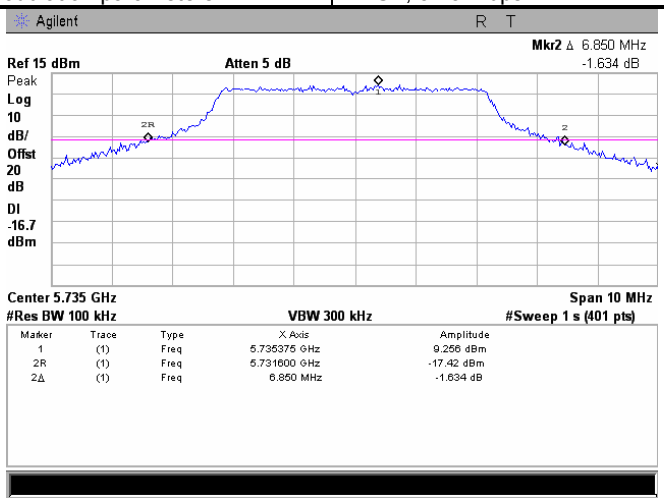
Plot 7.1.183 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.184 The 26 dB emission bandwidth

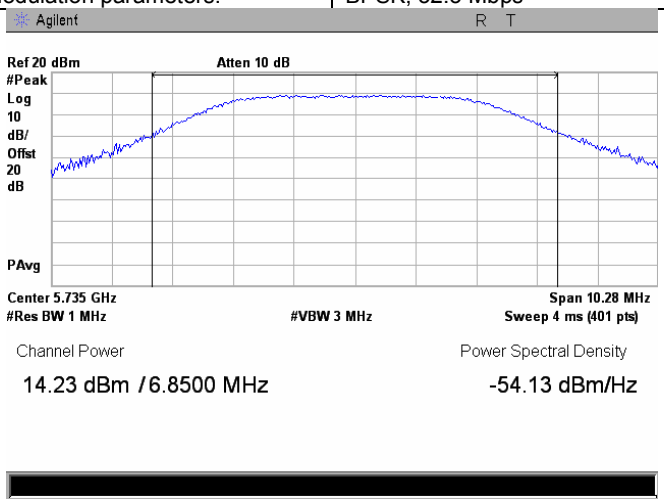
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

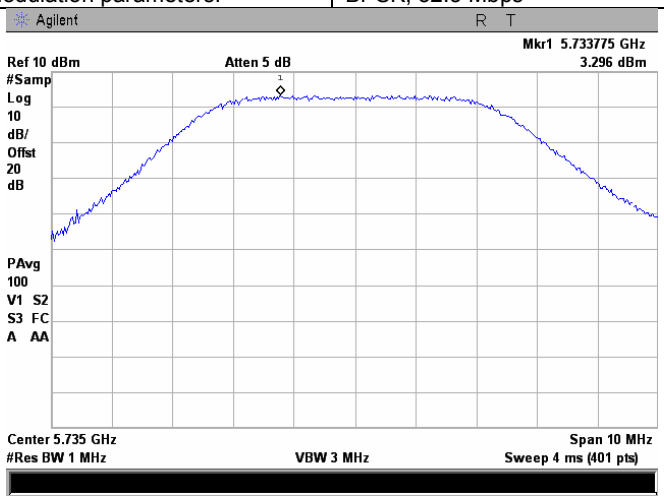
Plot 7.1.185 Peak output power

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.186 Peak spectral power density

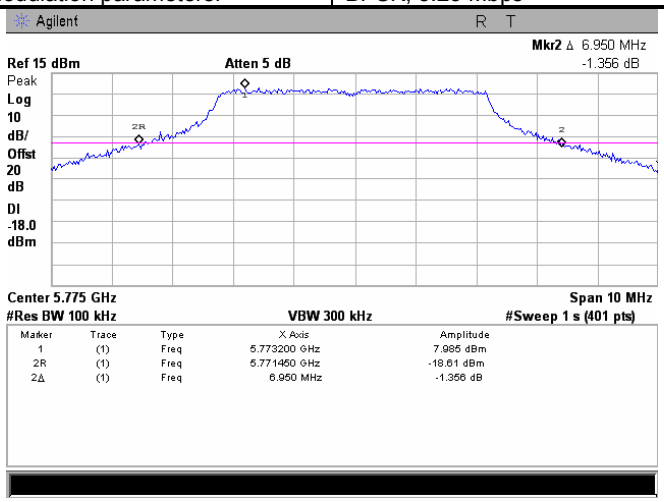
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

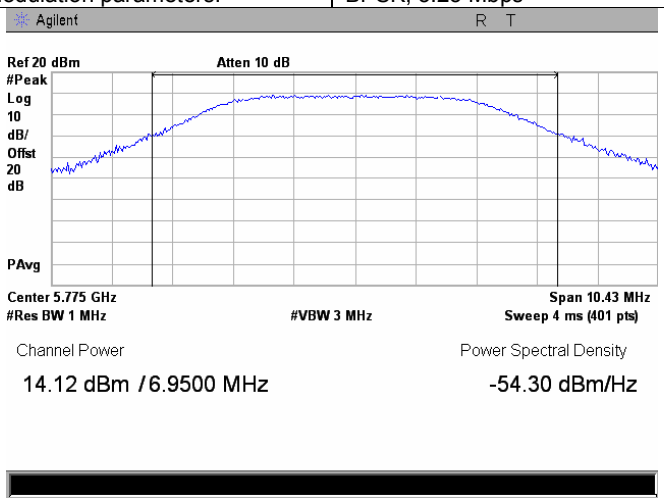
Plot 7.1.187 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.188 Peak output power

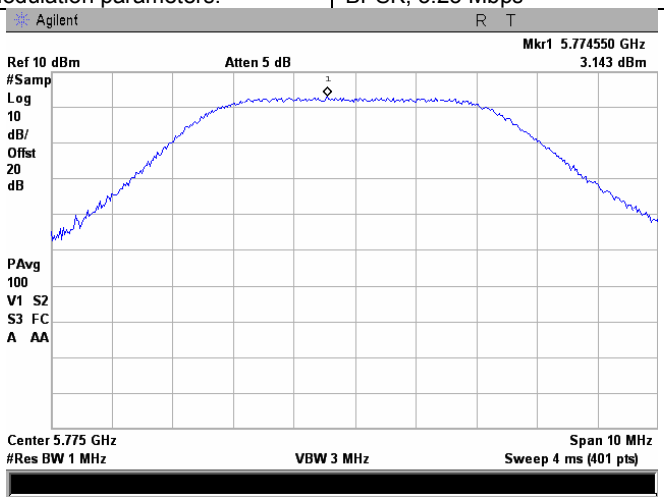
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

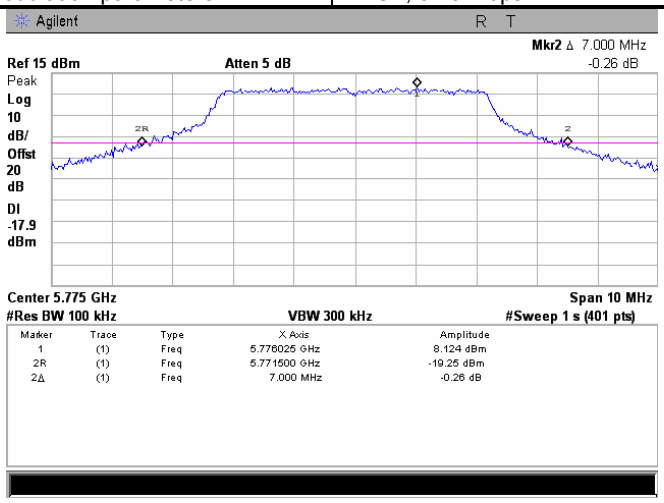
Plot 7.1.189 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.190 The 26 dB emission bandwidth

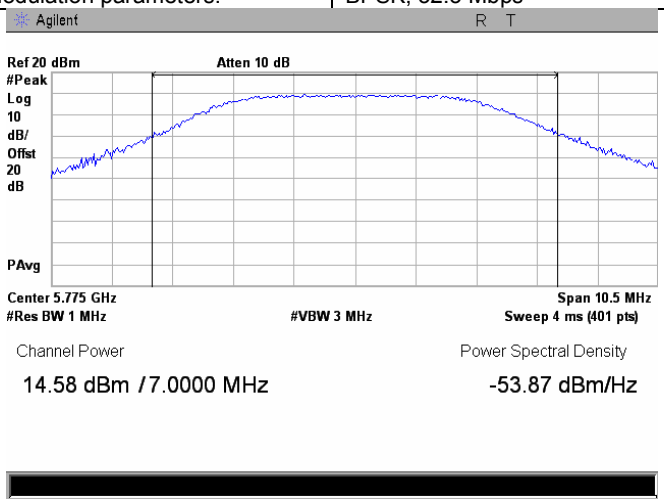
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

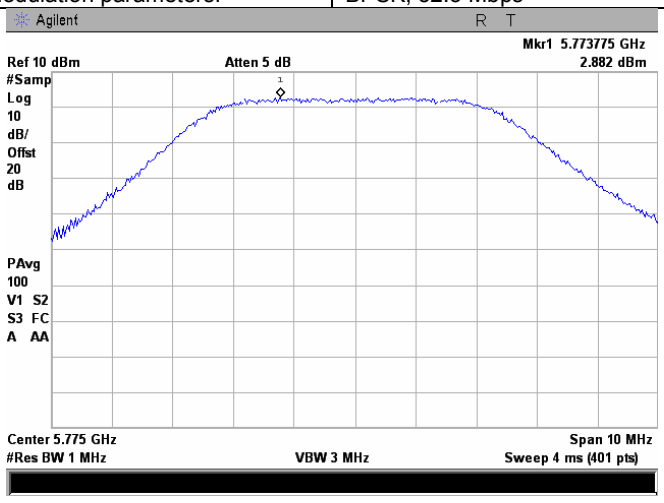
Plot 7.1.191 Peak output power

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.192 Peak spectral power density

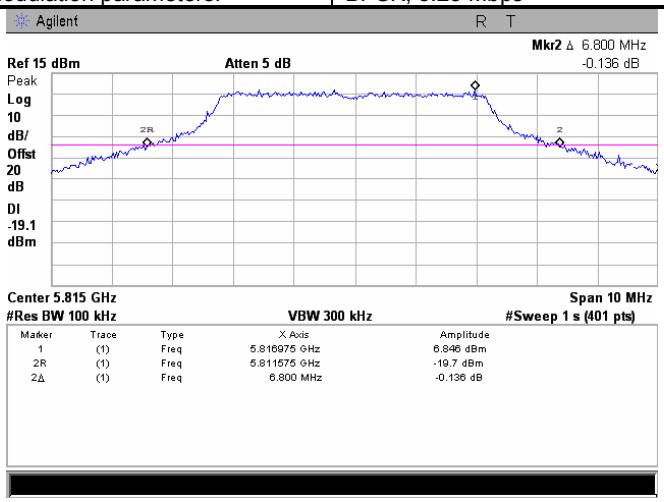
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

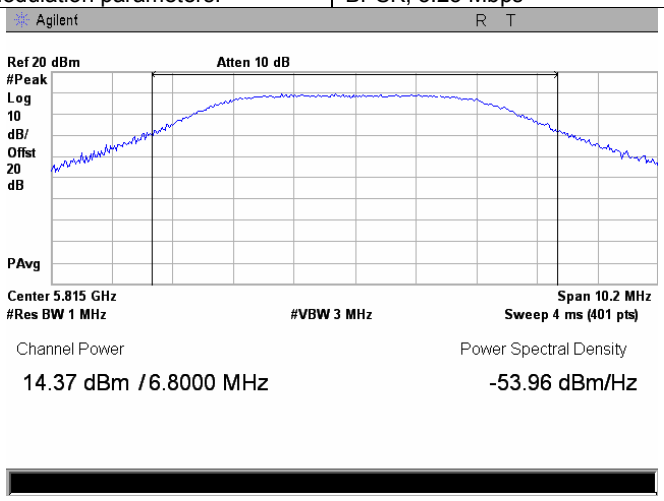
Plot 7.1.193 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.194 Peak output power

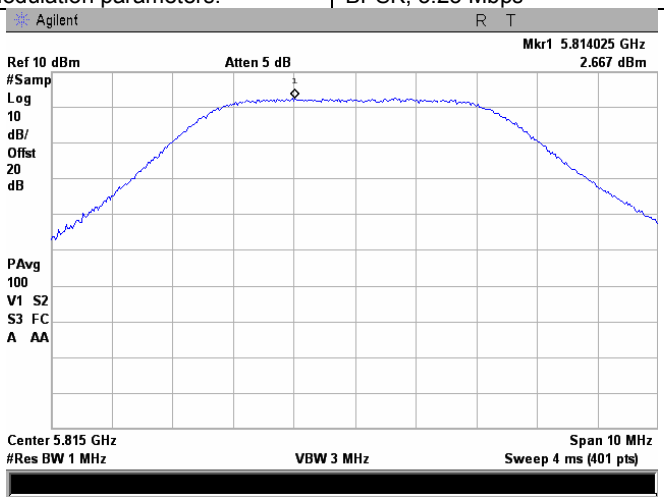
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

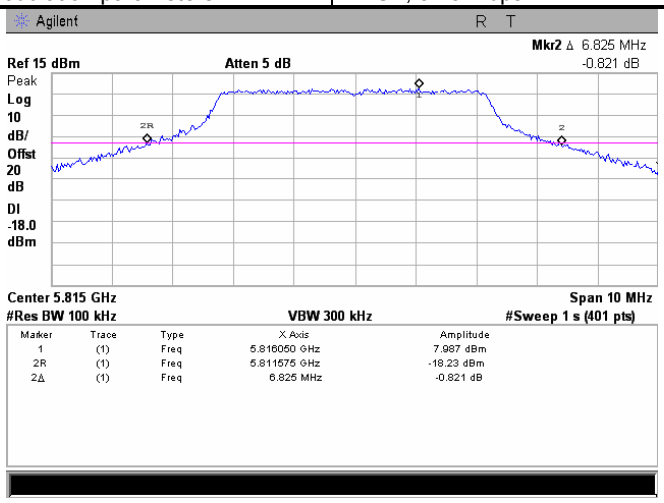
Plot 7.1.195 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.196 The 26 dB emission bandwidth

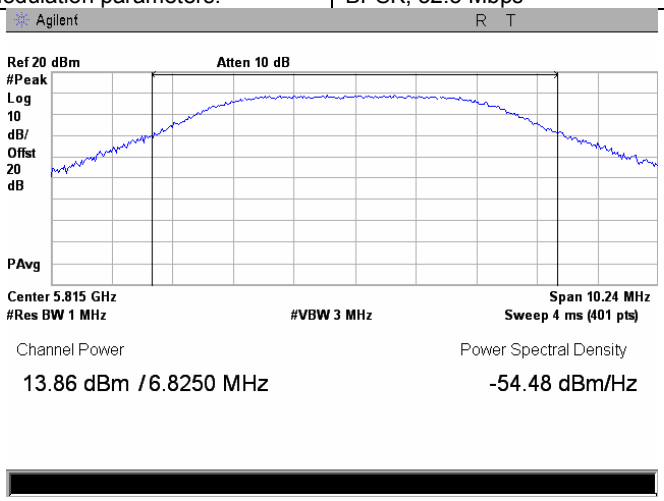
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

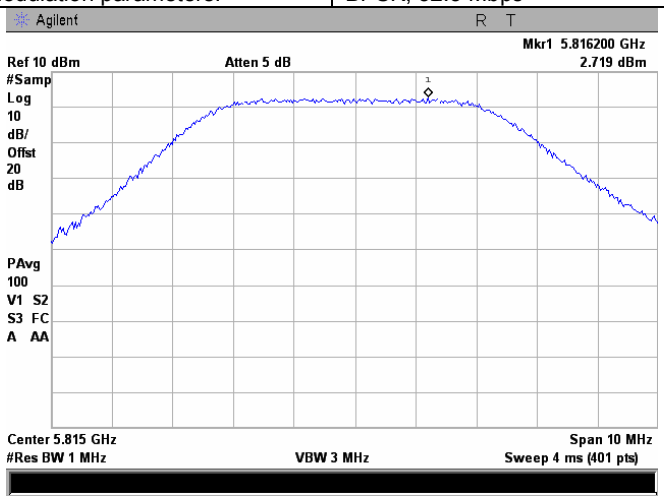
Plot 7.1.197 Peak output power

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.198 Peak spectral power density

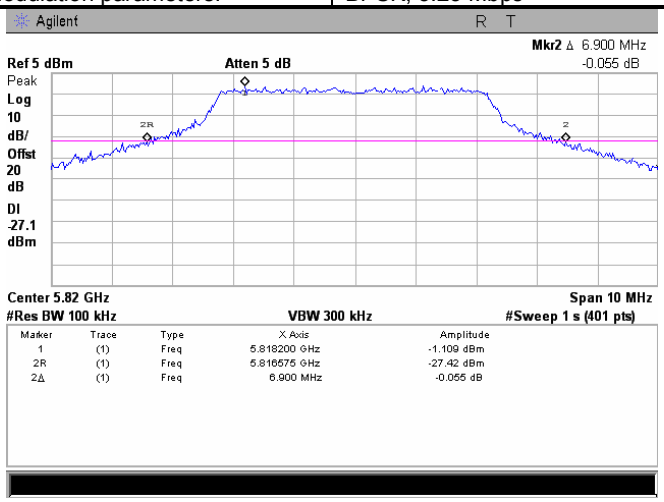
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

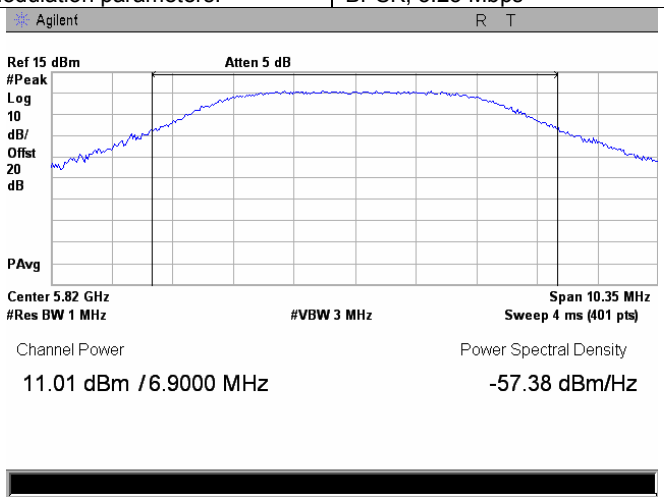
Plot 7.1.199 The 26 dB emission bandwidth

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.200 Peak output power

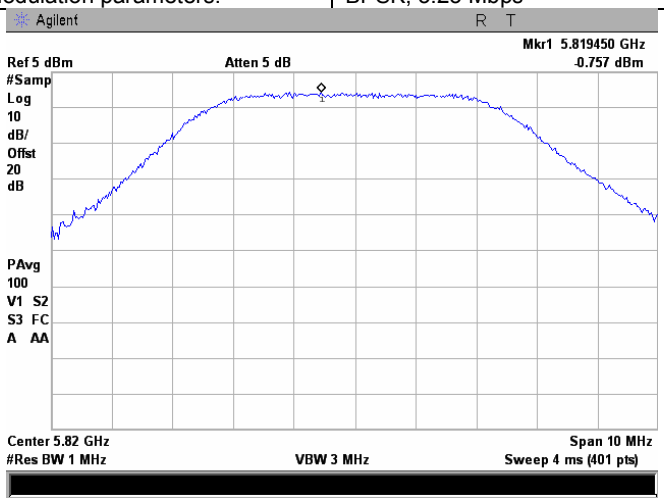
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

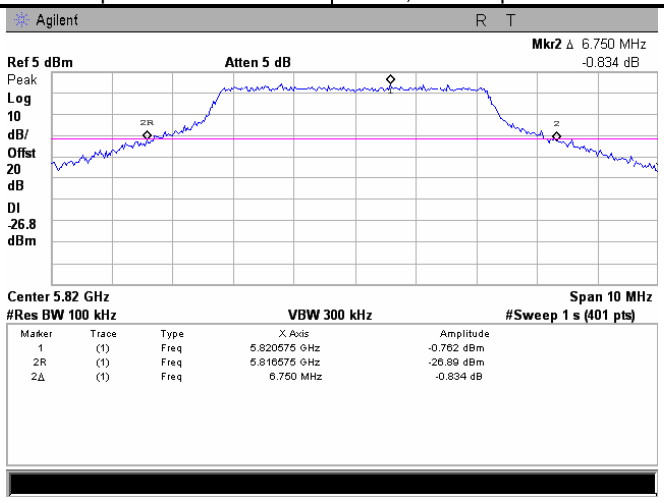
Plot 7.1.201 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.202 The 26 dB emission bandwidth

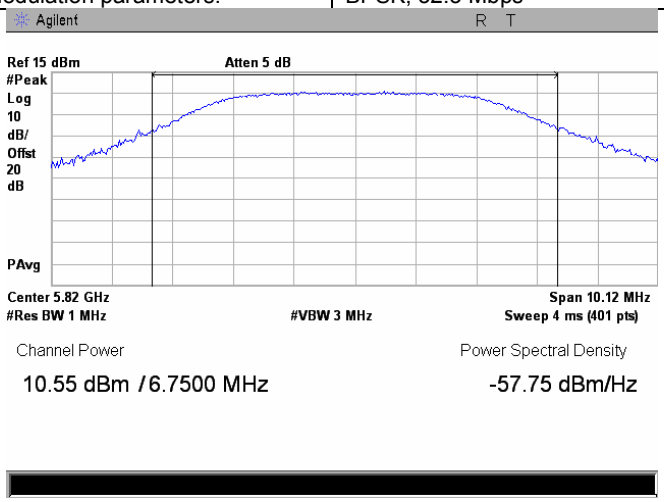
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

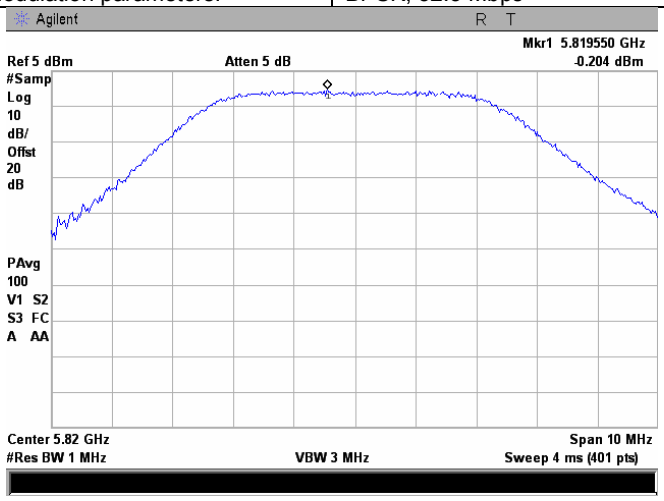
Plot 7.1.203 Peak output power

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.204 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.18 Conducted output power test results

ASSIGNED FREQUENCY RANGE:	5725-5825 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 BANDWUIDTH	40 MHz

Frequency, MHz	26 dB Bandwidth	Bit Rate, MBps	Modulation	Output power				Verdict
				Measured, dBm	Total power, dBm*	Limit, dBm	Margin, dB**	
Low channel Band Edge								
5745.0	47.400	27	BPSK	-2.38	0.62	25.0	-24.38	Pass
5745.0	47.550	270	64QAM	-2.65	0.35	25.0	-24.65	Pass
Mid channel								
5775.0	47.550	27	BPSK	20.75	23.75	25.0	-1.25	Pass
5775.0	46.800	270	64QAM	20.85	23.85	25.0	-1.15	Pass
High channel Band Edge								
5805.0	47.100	27	BPSK	-3.86	-0.86	25.0	-25.86	Pass
5805.0	46.650	270	64QAM	-3.46	-0.46	25.0	-25.46	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.19 Conducted output power test results

ASSIGNED FREQUENCY RANGE:	5725-5825 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)
ANTENA 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**	
Low channel Band Edge								
5735	24.225	13	BPSK	-6.83	-3.83	25.0	-28.83	Pass
5735	23.775	130	64QAM	-6.98	-3.98	25.0	-28.98	Pass
Low channel In-Band								
5755	23.700	13	BPSK	21.54	24.54	25.0	-0.46	Pass
5755	23.625	130	64QAM	21.26	24.26	25.0	-0.74	Pass
Mid channel								
5775	23.700	13	BPSK	20.94	23.94	25.0	-1.06	Pass
5775	22.875	130	64QAM	20.85	23.85	25.0	-1.15	Pass
High channel In-Band								
5795	23.550	13	BPSK	20.02	23.02	25.0	-1.98	Pass
5795	23.100	130	64QAM	21.18	24.18	25.0	-0.82	Pass
High channel Band Edge								
5815	24.300	13	BPSK	-8.73	-5.73	25.0	-30.73	Pass
5815	23.775	130	64QAM	-8.86	-5.86	25.0	-30.86	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.20 Conducted output power test results

ASSIGNED FREQUENCY RANGE:	5725-5825 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**	
Low channel Band Edge								
5735	14.45	6.5	BPSK	10.52	13.52	23.6	-10.08	Pass
5735	13.30	65	64QAM	9.68	12.68	23.2	-10.56	Pass
Low channel In-Band								
5740	14.30	6.5	BPSK	20.37	23.37	23.6	-0.18	Pass
5740	13.90	65	64QAM	19.99	22.99	23.4	-0.44	Pass
Mid channel								
5775	14.15	6.5	BPSK	20.25	23.25	23.5	-0.26	Pass
5775	13.90	65	64QAM	20.20	23.20	23.4	-0.23	Pass
High channel In-Band								
5810	14.45	6.5	BPSK	19.12	22.12	23.6	-1.48	Pass
5810	13.80	65	64QAM	19.44	22.44	23.4	-0.96	Pass
High channel Band Edge								
5815	14.10	6.5	BPSK	9.18	12.18	23.5	-11.31	Pass
5815	14.00	65	64QAM	9.51	12.51	23.5	-10.95	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.21 Conducted output power test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge								
5730	7.175	3.25	BPSK	6.61	9.61	20.6	-10.95	Pass
5730	6.825	32.5	64QAM	6.15	9.15	20.3	-11.19	Pass
Low channel In-Band								
5735	6.850	3.25	BPSK	8.68	11.68	20.4	-8.68	Pass
5735	6.800	32.5	64QAM	8.66	11.66	20.3	-8.67	Pass
Mid channel								
5775	6.850	3.25	BPSK	7.81	10.81	20.4	-9.55	Pass
5775	6.725	32.5	64QAM	8.20	11.20	20.3	-9.08	Pass
High channel In-Band								
5815	6.750	3.25	BPSK	7.49	10.49	20.3	-9.80	Pass
5815	6.750	32.5	64QAM	7.28	10.28	20.3	-10.01	Pass
High channel Band Edge								
5820	7.150	3.25	BPSK	5.09	8.09	20.5	-12.45	Pass
5820	6.675	32.5	64QAM	4.56	7.56	20.2	-12.68	Pass

* - The total output power was calculated from the measured one by addition of 3 dB for the second Tx chain.
** - Margin = Total output power – specification limit.

Reference numbers of test equipment used

HL 2909	HL 2953	HL 3768	HL 3776	HL 3787			

Full description is given in Appendix A.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.22 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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**	
Low channel Band Edge							
5745.0	27	BPSK	-23.08	-20.08	12.0	-32.08	Pass
5745.0	270	64QAM	-22.77	-19.77	12.0	-31.77	Pass
Mid channel							
5775.0	27	BPSK	0.43	3.43	12.0	-8.57	Pass
5775.0	270	64QAM	1.32	4.32	12.0	-7.68	Pass
High channel Band Edge							
5805.0	27	BPSK	-23.80	-20.80	12.0	-32.80	Pass
5805.0	270	64QAM	-23.75	-20.75	12.0	-32.75	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.23 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge							
5735	13	BPSK	-24.7	-21.70	12.0	-33.70	Pass
5735	130	64QAM	-24.2	-21.17	12.0	-33.17	Pass
Low channel In-Band							
5755	13	BPSK	3.75	6.75	12.0	-5.25	Pass
5755	130	64QAM	3.43	6.43	12.0	-5.57	Pass
Mid channel							
5775	13	BPSK	3.43	6.43	12.0	-5.57	Pass
5775	130	64QAM	3.87	6.87	12.0	-5.13	Pass
High channel In-Band							
5795	13	BPSK	3.12	6.12	12.0	-5.88	Pass
5795	130	64QAM	4.21	7.21	12.0	-4.79	Pass
High channel Band Edge							
5815	13	BPSK	-26.6	-23.60	12.0	-35.60	Pass
5815	130	64QAM	-26.4	-23.36	12.0	-35.36	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.24 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge							
5735	6.5	BPSK	-5.0	-2.01	12.0	-14.01	Pass
5735	65	64QAM	-4.4	-1.42	12.0	-13.42	Pass
Low channel In-Band							
5740	6.5	BPSK	5.8	8.76	12.0	-3.24	Pass
5740	65	64QAM	5.9	8.87	12.0	-3.13	Pass
Mid channel							
5775	6.5	BPSK	5.7	8.72	12.0	-3.28	Pass
5775	65	64QAM	5.6	8.55	12.0	-3.45	Pass
High channel In-Band							
5810	6.5	BPSK	4.4	7.38	12.0	-4.62	Pass
5810	65	64QAM	5.0	7.95	12.0	-4.05	Pass
High channel Band Edge							
5815	6.5	BPSK	-5.6	-2.64	12.0	-14.64	Pass
5815	65	64QAM	-5.5	-2.51	12.0	-14.51	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.1.25 Peak power spectral density test results

ASSIGNED FREQUENCY RANGE: 5725-5825 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)
ANTENA 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**	
Low channel Band Edge							
5730	3.25	BPSK	-5.6	-2.60	12.0	-14.60	Pass
5730	32.5	64QAM	-5.8	-2.82	12.0	-14.82	Pass
Low channel In-Band							
5735	3.25	BPSK	-3.28	-0.28	12.0	-12.28	Pass
5735	32.5	64QAM	-2.46	0.54	12.0	-11.46	Pass
Mid channel							
5775	3.25	BPSK	-3.38	-0.38	12.0	-12.38	Pass
5775	32.5	64QAM	-3.62	-0.62	12.0	-12.62	Pass
High channel In-Band							
5815	3.25	BPSK	-3.79	-0.79	12.0	-12.79	Pass
5815	32.5	64QAM	-3.74	-0.74	12.0	-12.74	Pass
High channel Band Edge							
5820	3.25	BPSK	-6.9	-3.92	12.0	-15.92	Pass
5820	32.5	64QAM	-7.1	-4.10	12.0	-16.10	Pass

* - The total peak power spectral density was calculated from measured by addition of 3 dB for the second Tx chain.
** - Margin = Total peak power density – specification limit.

Reference numbers of test equipment used

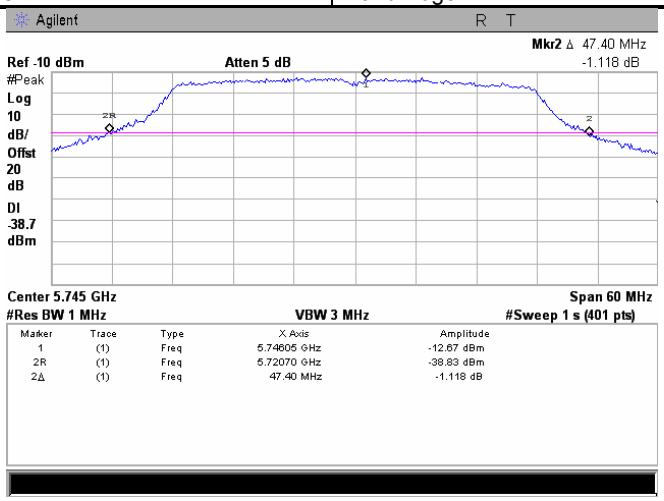
HL 2909	HL 2953	HL 3768	HL 3776	HL 3787			

Full description is given in Appendix A.

Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

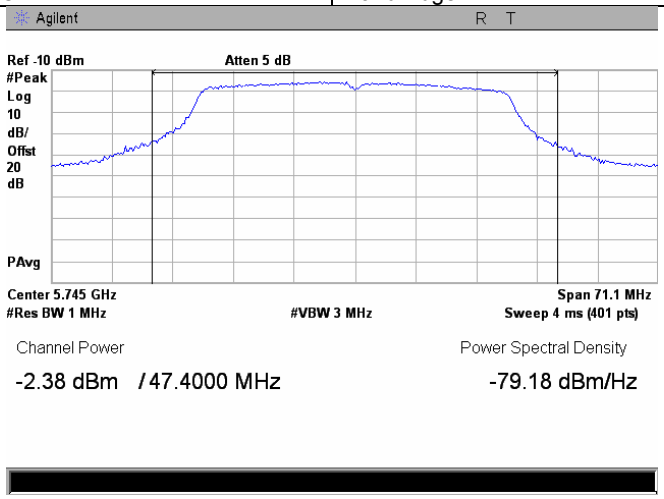
Plot 7.1.205 The 26 dB emission bandwidth

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.206 Peak output power

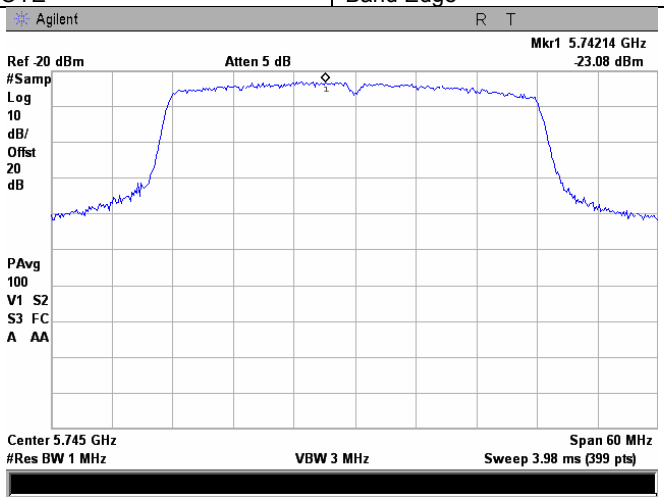
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

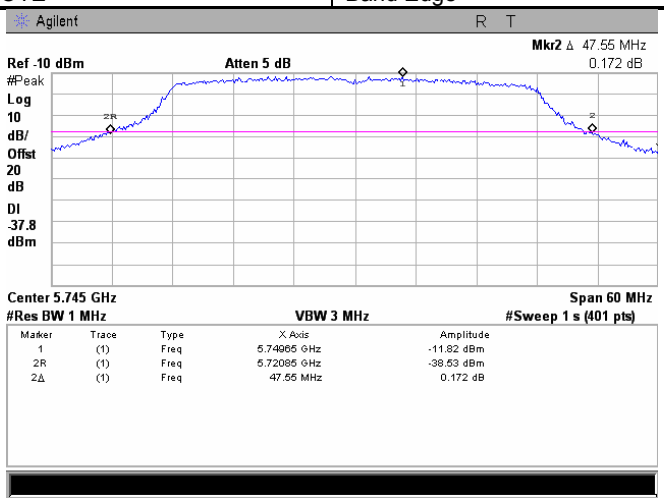
Plot 7.1.207 Peak spectral power density

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.208 The 26 dB emission bandwidth

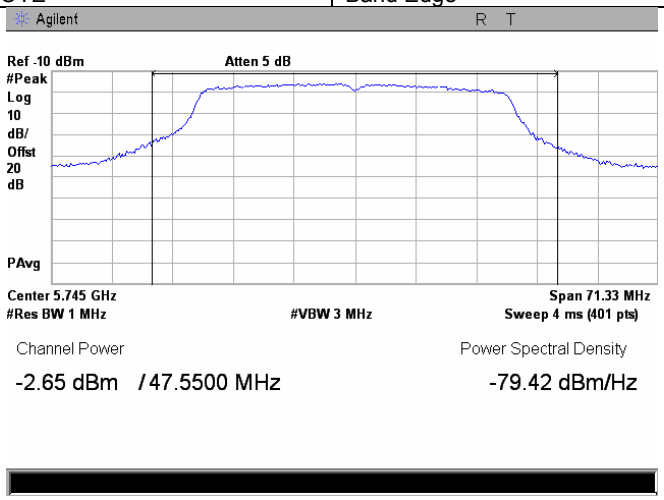
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

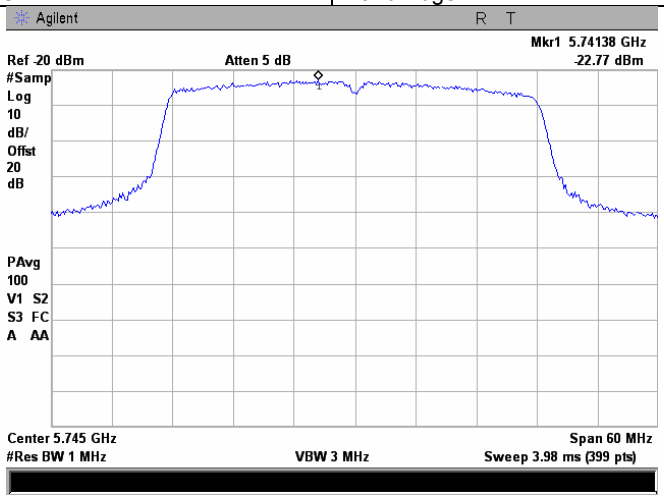
Plot 7.1.209 Peak output power

Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.210 Peak spectral power density

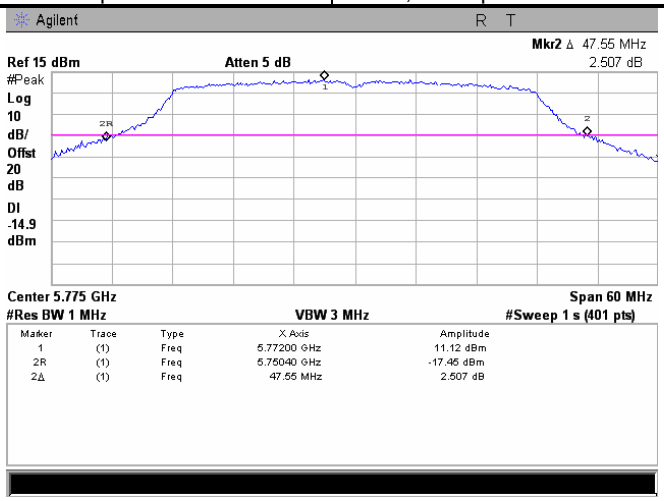
Frequency:	5745 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

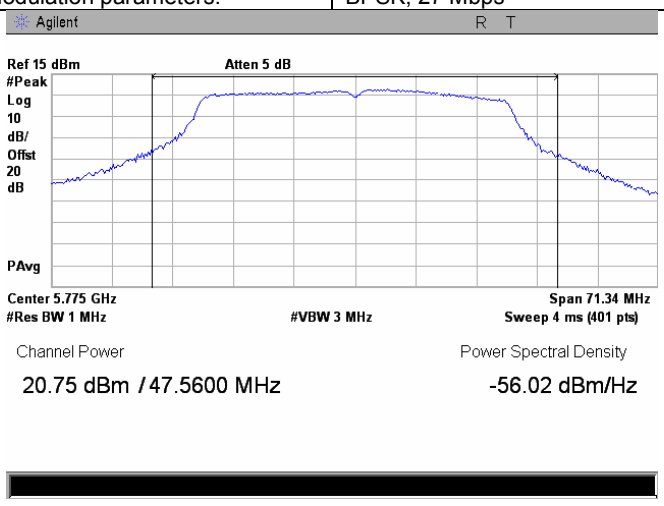
Plot 7.1.211 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.212 Peak output power

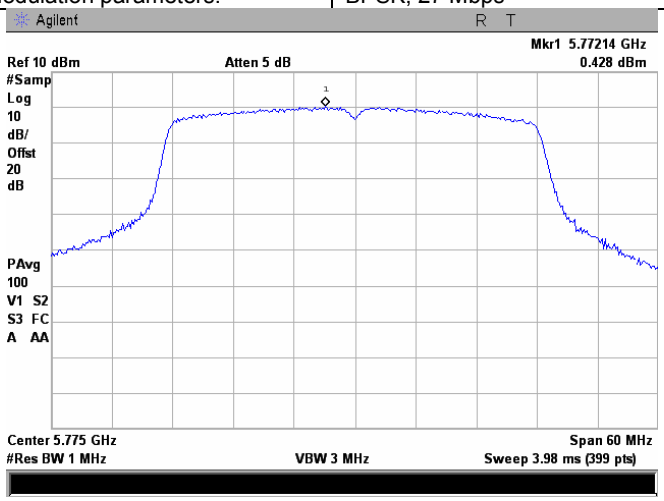
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

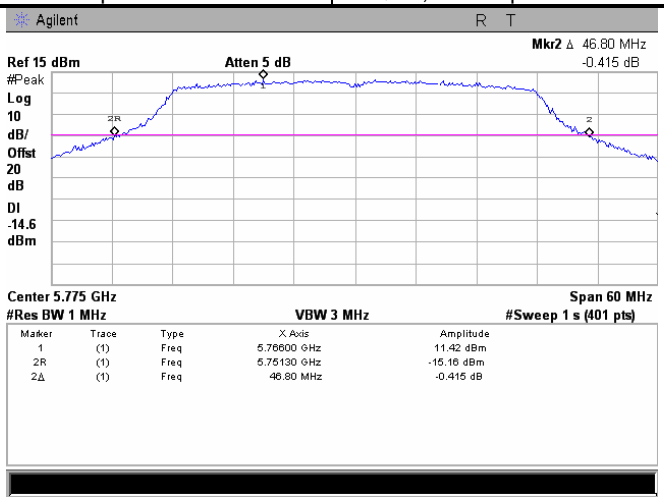
Plot 7.1.213 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps



Plot 7.1.214 The 26 dB emission bandwidth

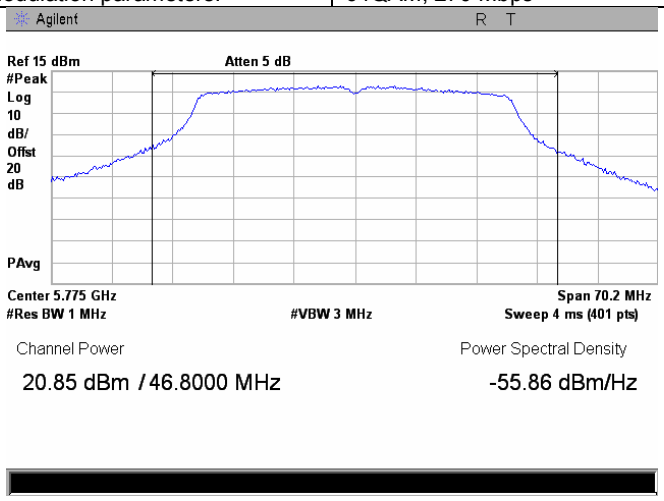
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

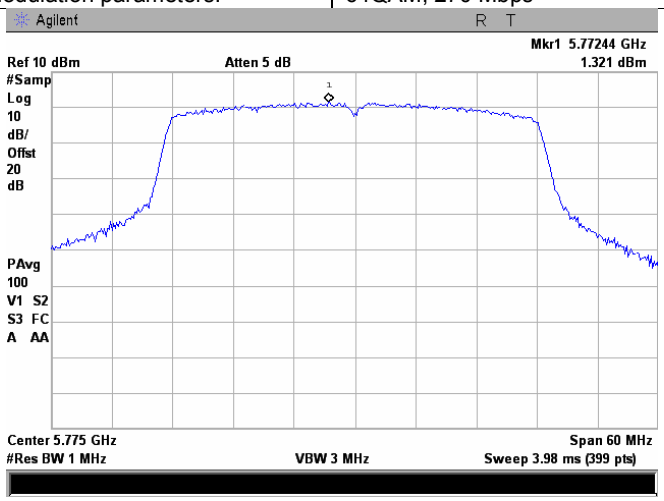
Plot 7.1.215 Peak output power

Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Plot 7.1.216 Peak spectral power density

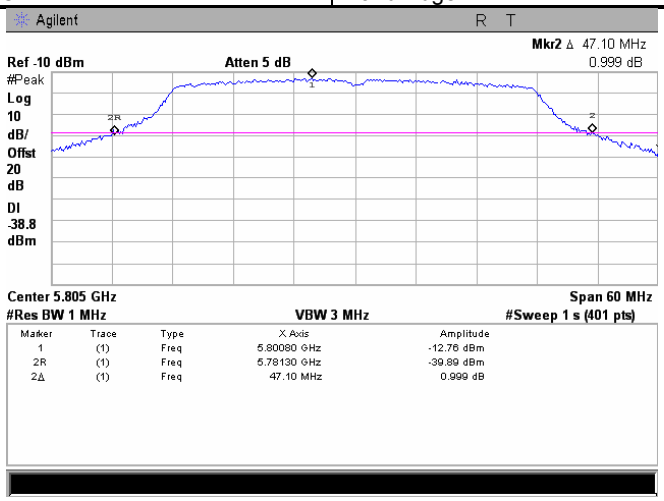
Frequency:	5775 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

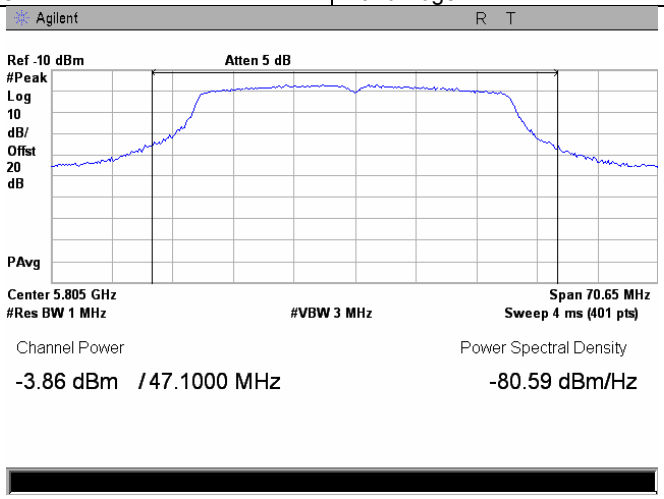
Plot 7.1.217 The 26 dB emission bandwidth

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.218 Peak output power

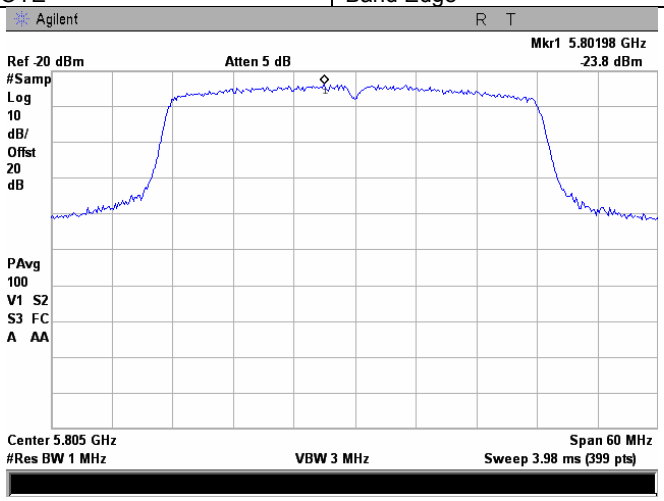
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

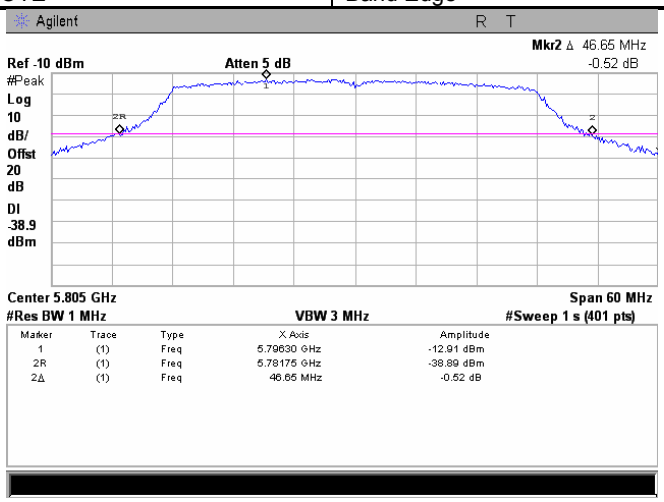
Plot 7.1.219 Peak spectral power density

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	BPSK, 27 Mbps
NOTE	Band Edge



Plot 7.1.220 The 26 dB emission bandwidth

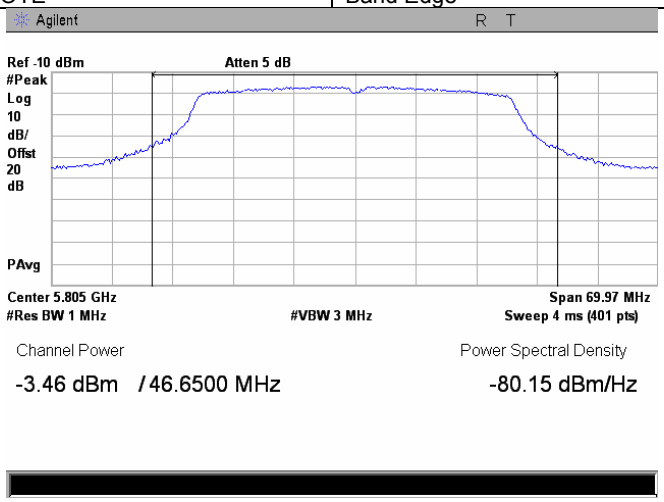
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

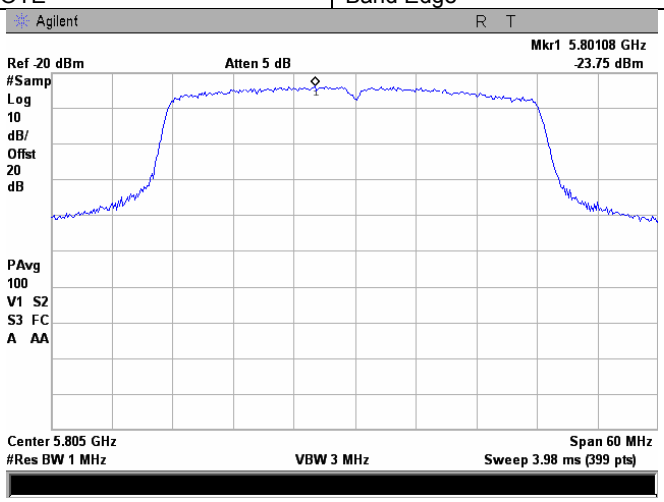
Plot 7.1.221 Peak output power

Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Plot 7.1.222 Peak spectral power density

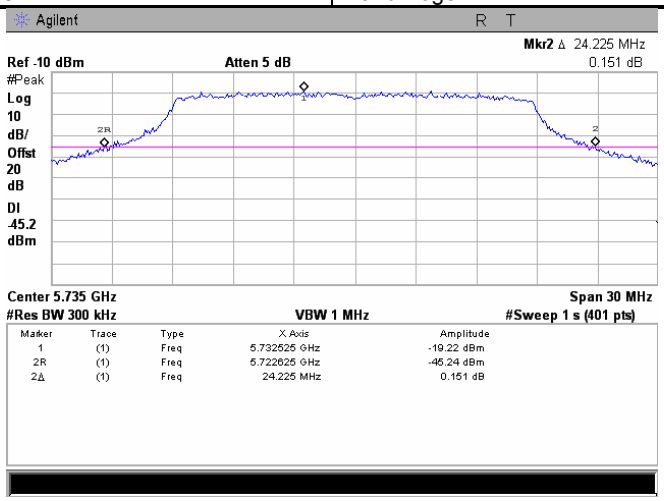
Frequency:	5805 MHz
Channel BW:	40 MHz
Modulation parameters:	64QAM, 270 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

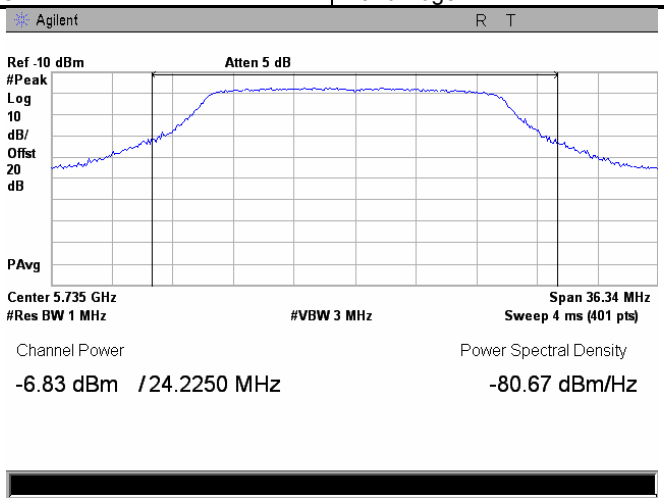
Plot 7.1.223 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.224 Peak output power

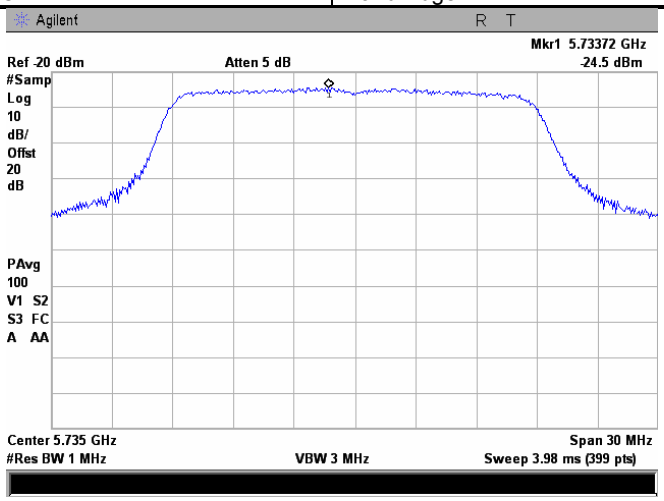
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

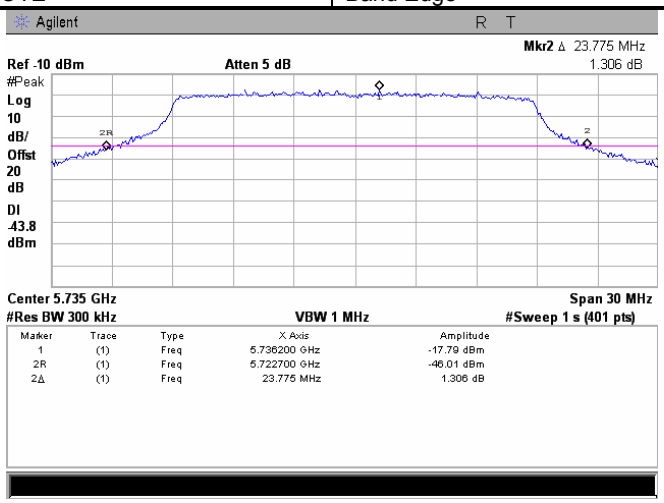
Plot 7.1.225 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.226 The 26 dB emission bandwidth

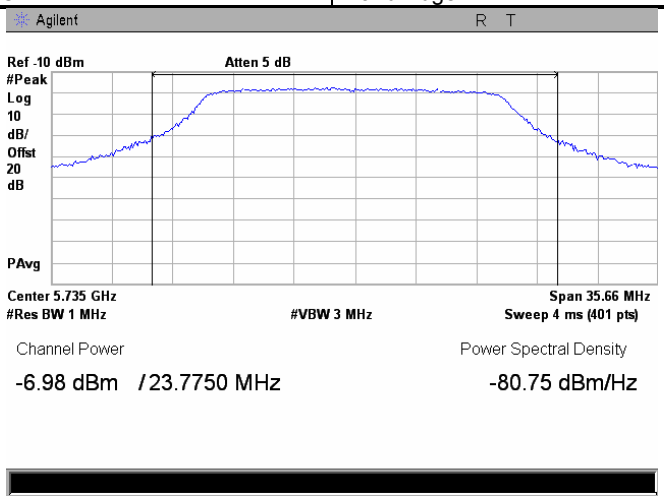
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

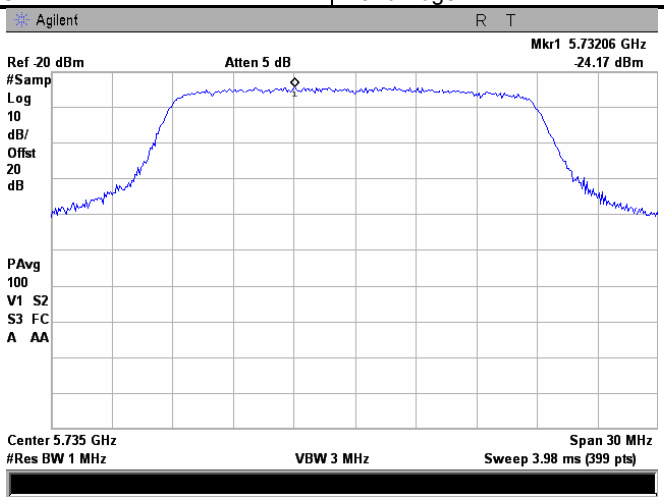
Plot 7.1.227 Peak output power

Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.228 Peak spectral power density

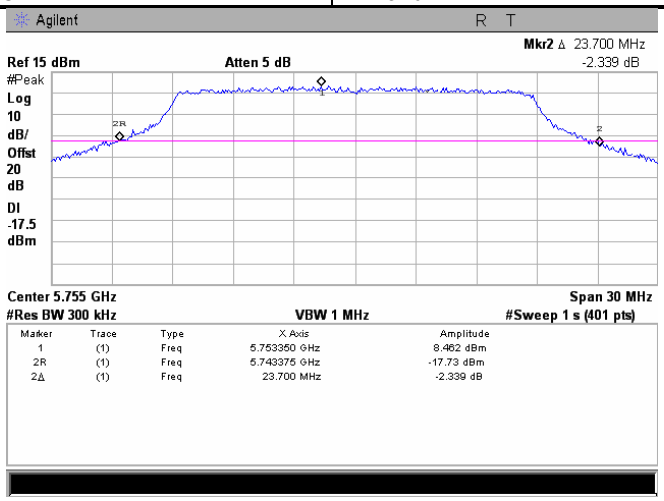
Frequency:	5735 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

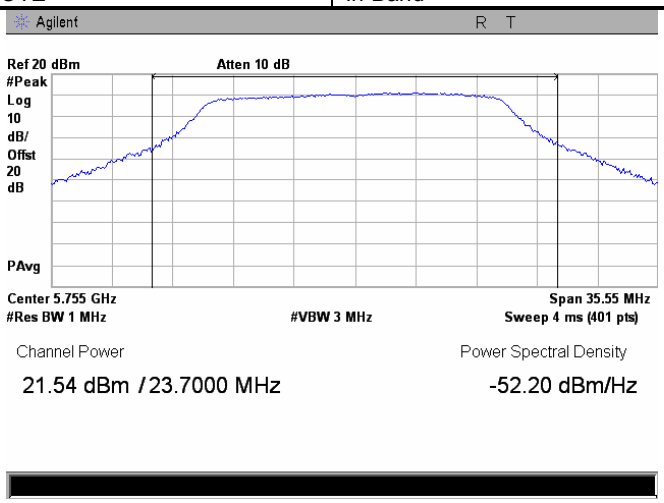
Plot 7.1.229 The 26 dB emission bandwidth

Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.230 Peak output power

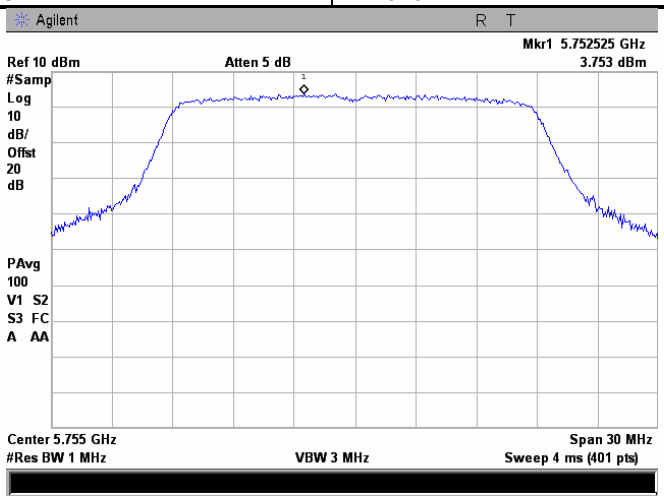
Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

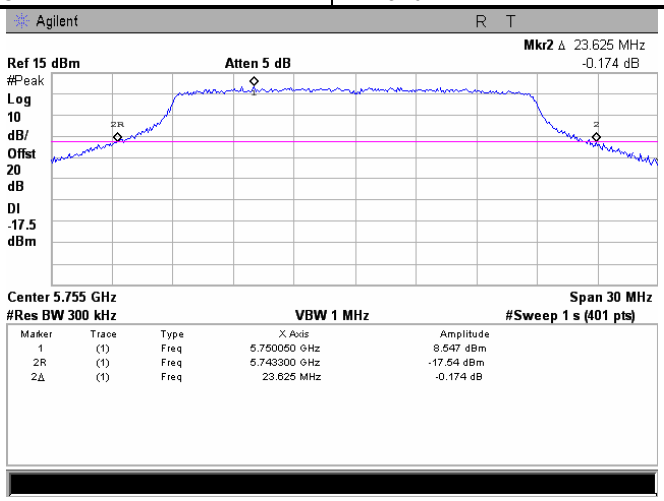
Plot 7.1.231 Peak spectral power density

Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.232 The 26 dB emission bandwidth

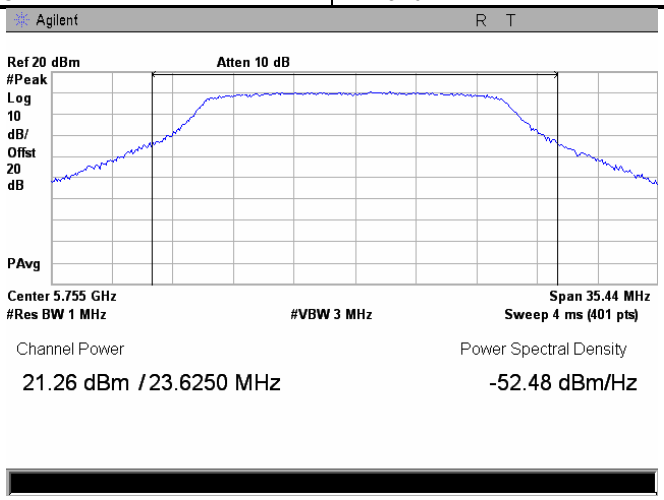
Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

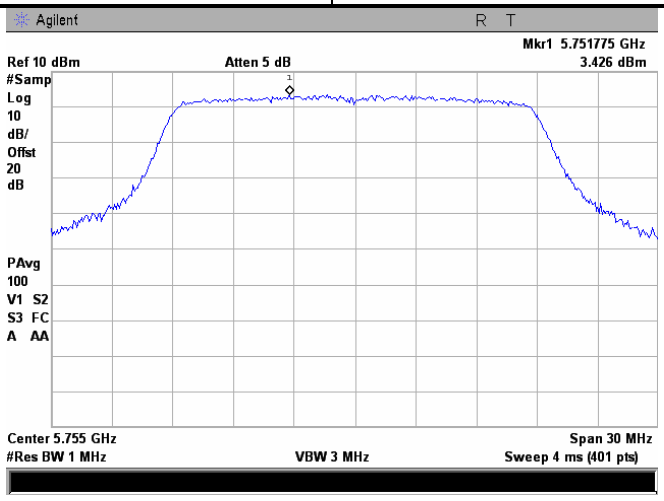
Plot 7.1.233 Peak output power

Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.234 Peak spectral power density

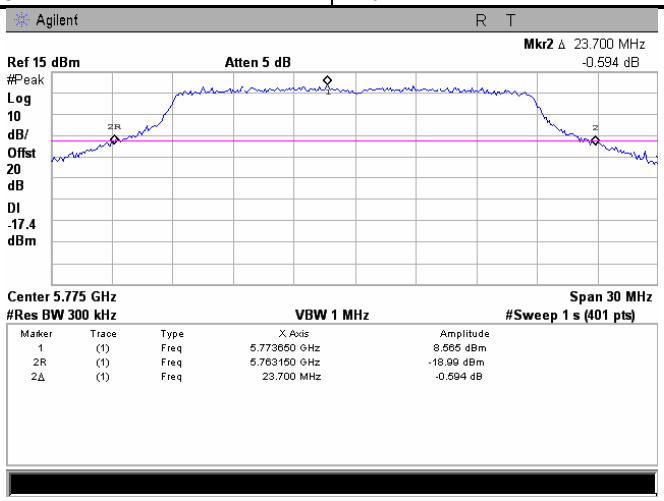
Frequency:	5755MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

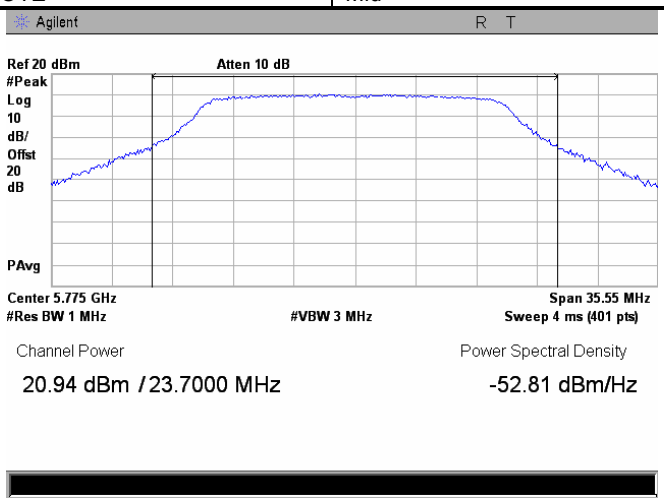
Plot 7.1.235 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.236 Peak output power

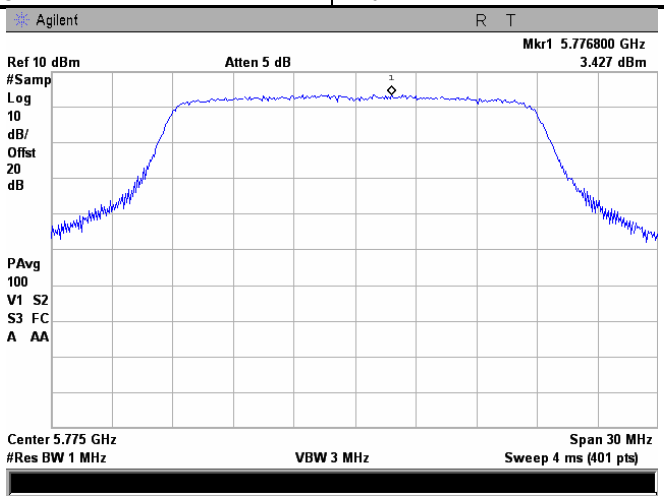
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

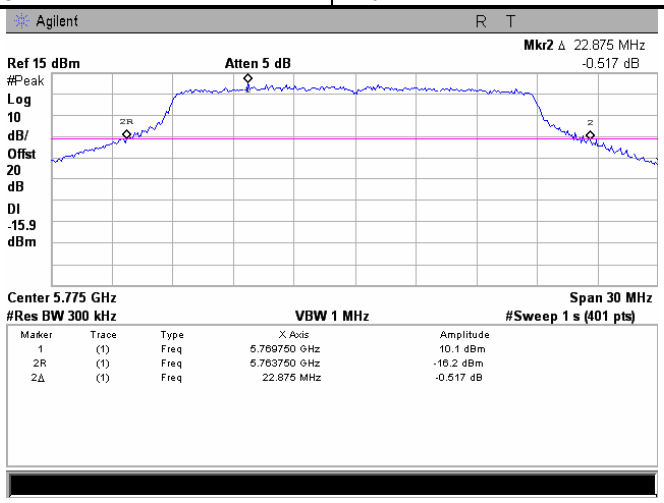
Plot 7.1.237 Peak spectral power density

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Mid



Plot 7.1.238 The 26 dB emission bandwidth

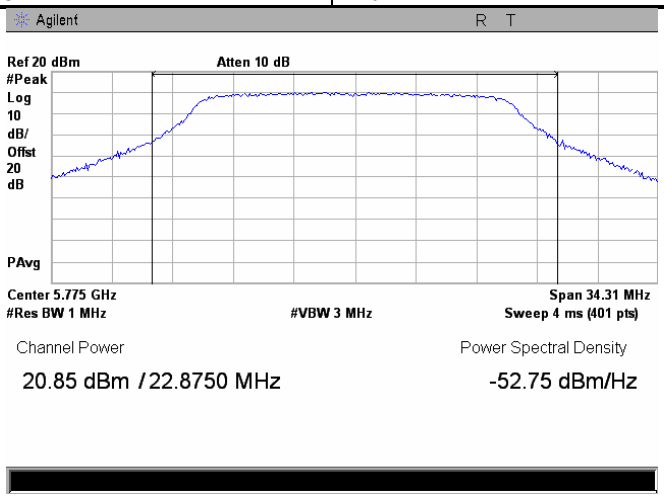
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

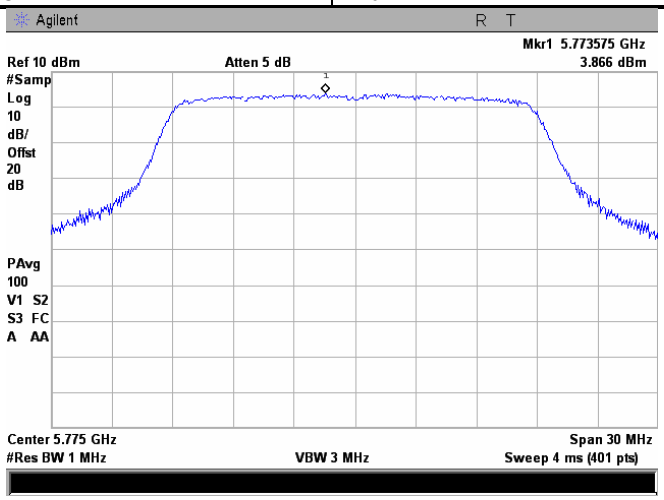
Plot 7.1.239 Peak output power

Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Plot 7.1.240 Peak spectral power density

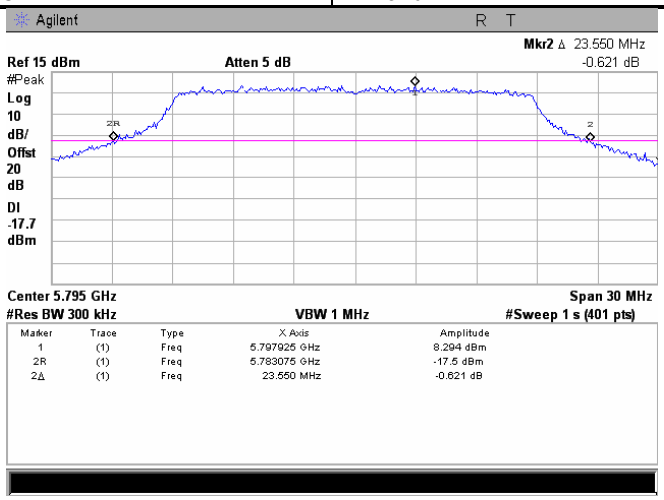
Frequency:	5775MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Mid



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

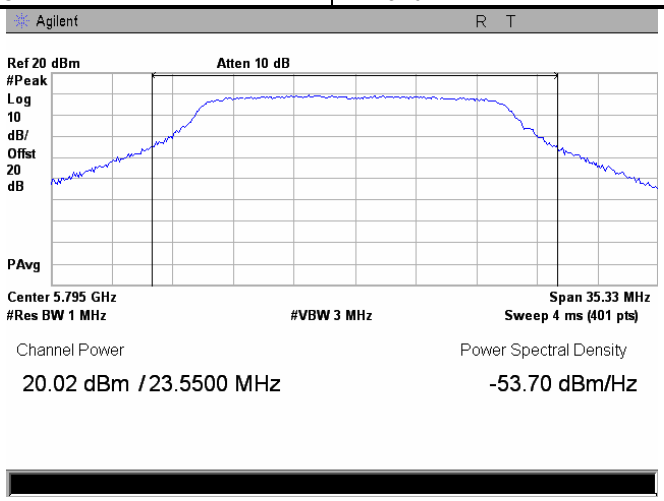
Plot 7.1.241 The 26 dB emission bandwidth

Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.242 Peak output power

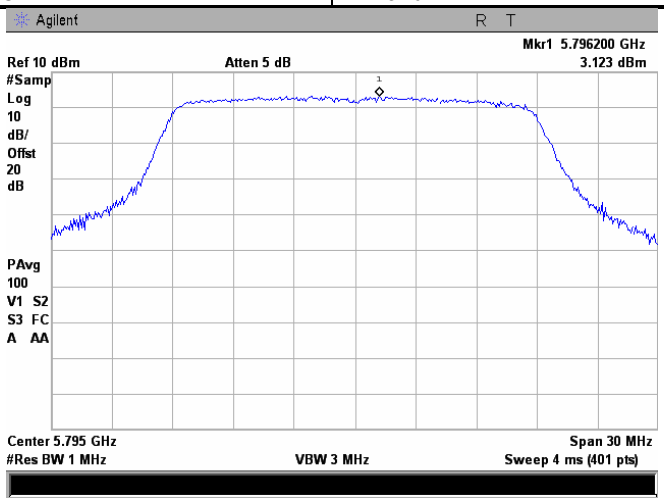
Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

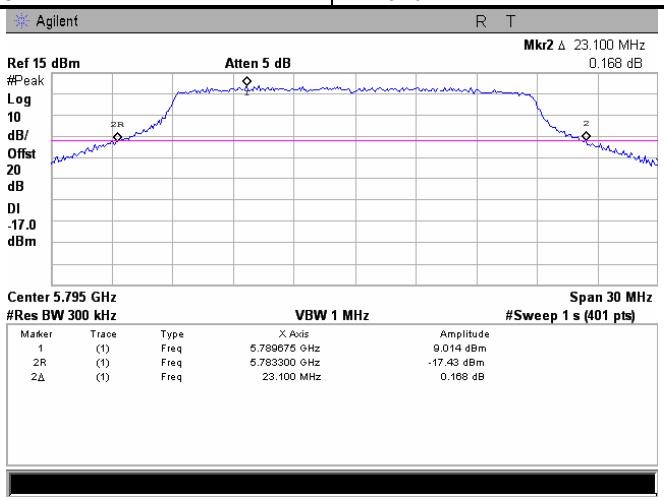
Plot 7.1.243 Peak spectral power density

Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	In-Band



Plot 7.1.244 The 26 dB emission bandwidth

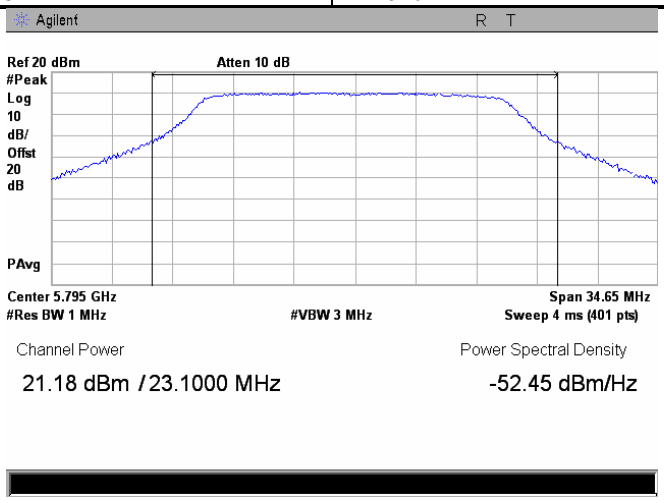
Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

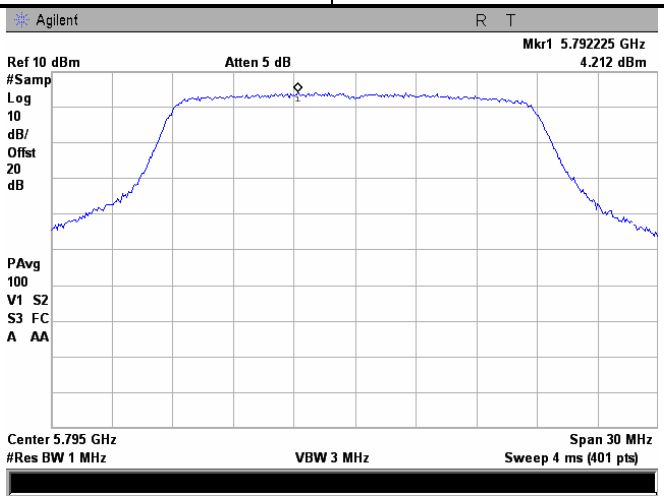
Plot 7.1.245 Peak output power

Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Plot 7.1.246 Peak spectral power density

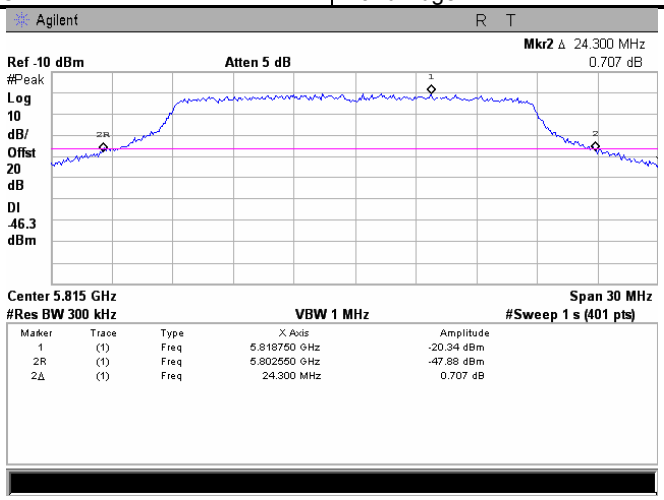
Frequency:	5795MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	In-Band



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

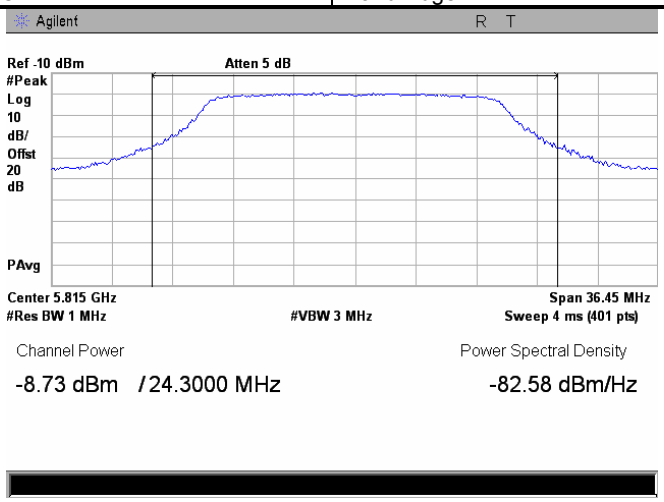
Plot 7.1.247 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.248 Peak output power

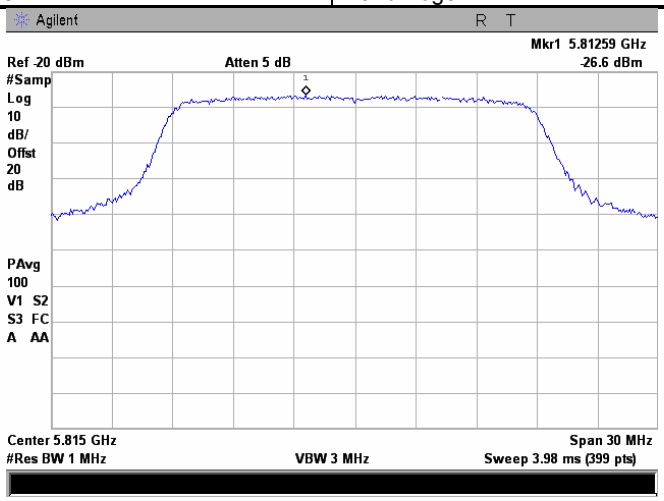
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

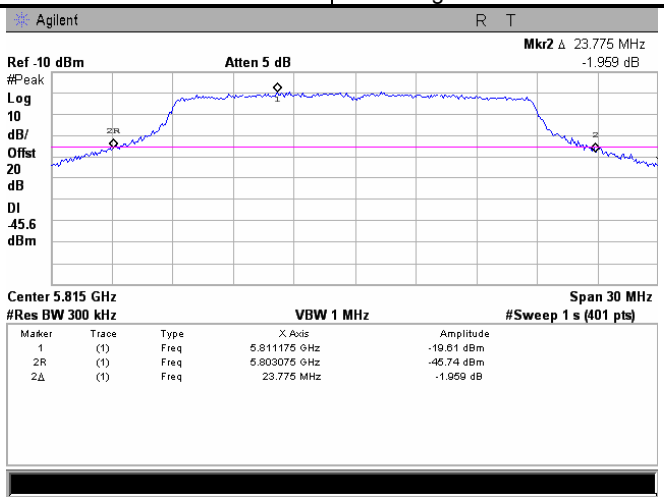
Plot 7.1.249 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	BPSK, 13 Mbps
NOTE	Band Edge



Plot 7.1.250 The 26 dB emission bandwidth

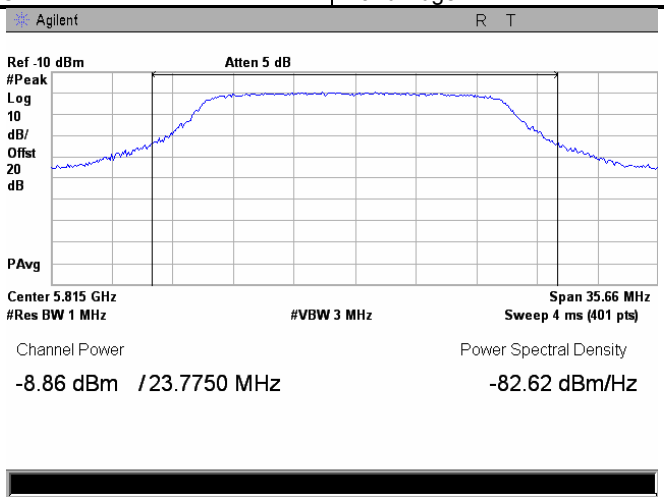
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

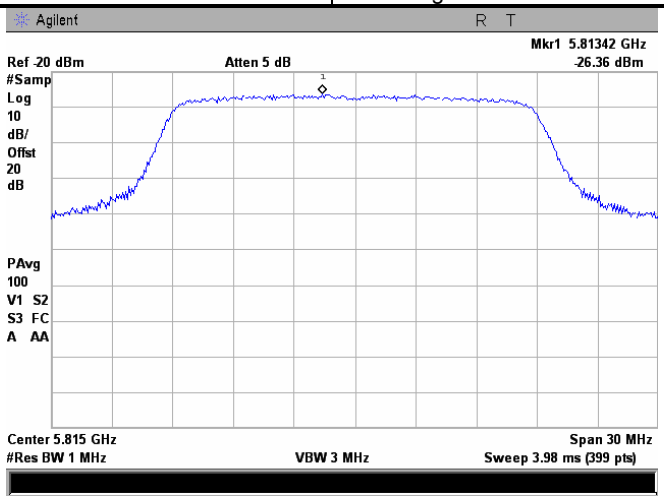
Plot 7.1.251 Peak output power

Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Plot 7.1.252 Peak spectral power density

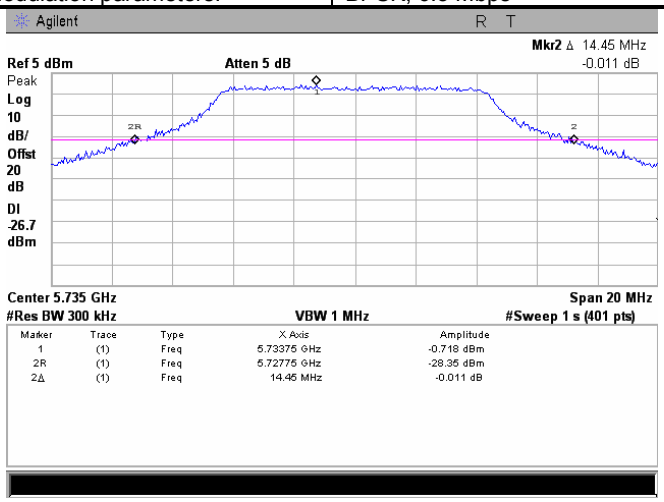
Frequency:	5815 MHz
Channel BW:	20 MHz
Modulation parameters:	64QAM, 130 Mbps
NOTE	Band Edge



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

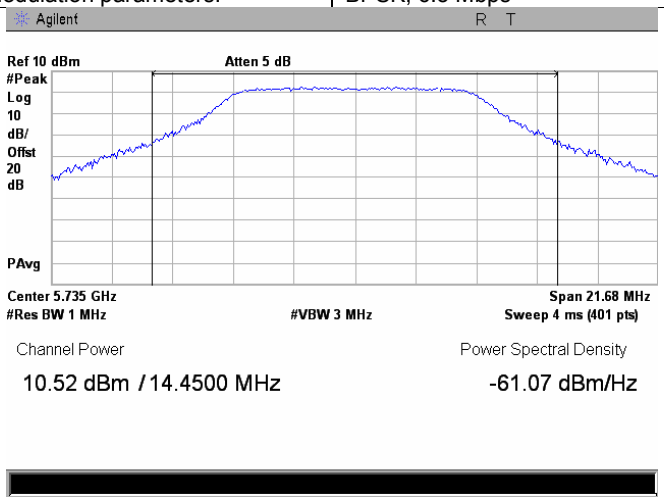
Plot 7.1.253 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.254 Peak output power

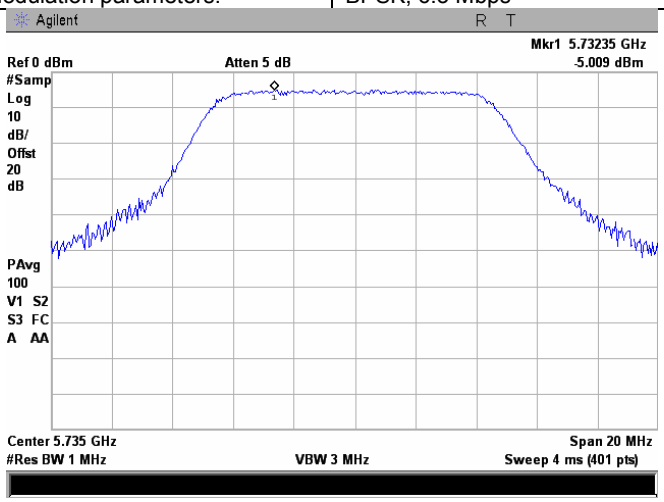
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

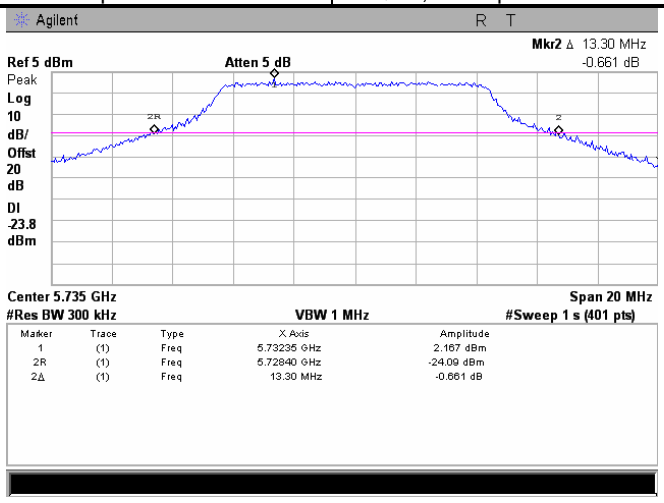
Plot 7.1.255 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.256 The 26 dB emission bandwidth

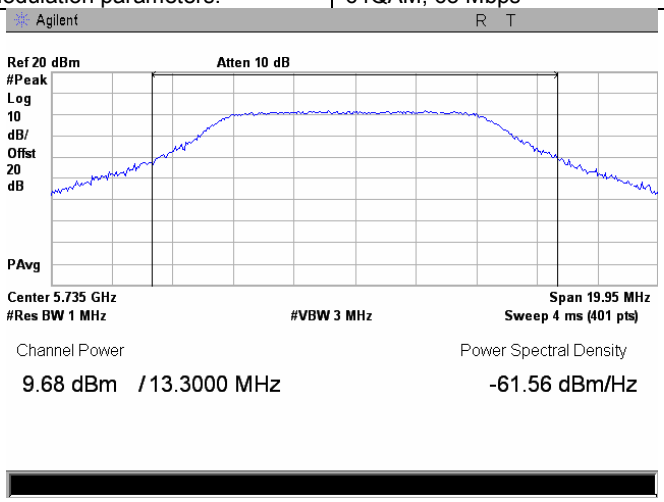
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

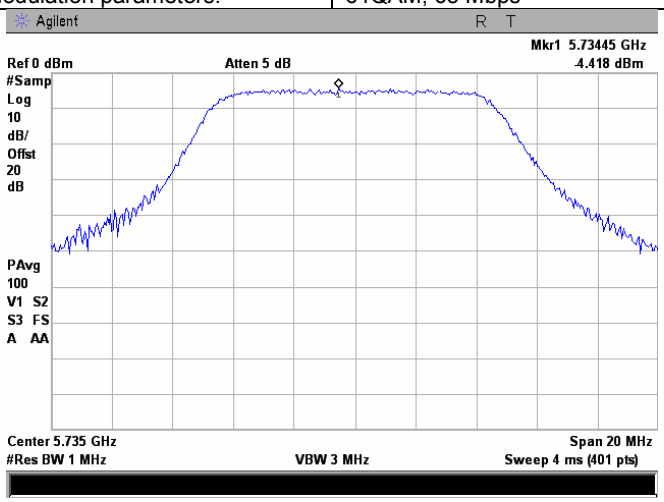
Plot 7.1.257 Peak output power

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.258 Peak spectral power density

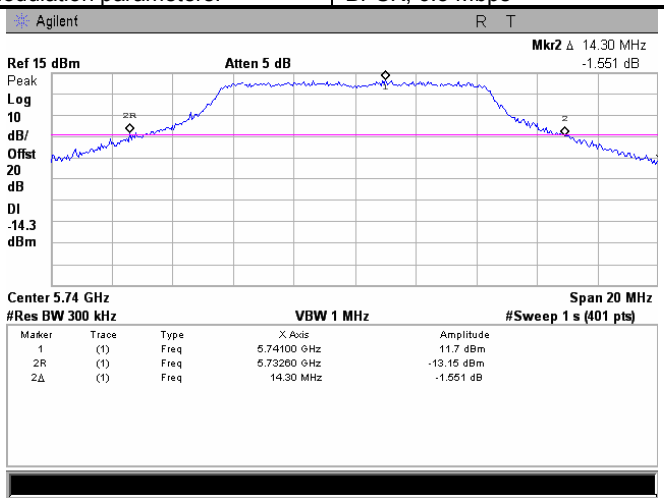
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

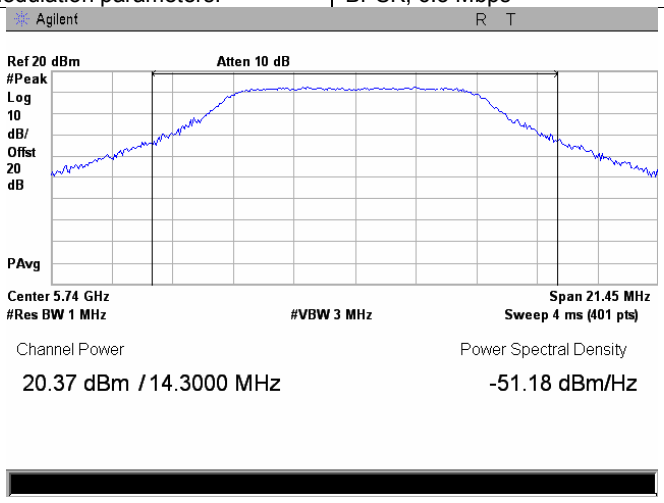
Plot 7.1.259 The 26 dB emission bandwidth

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.260 Peak output power

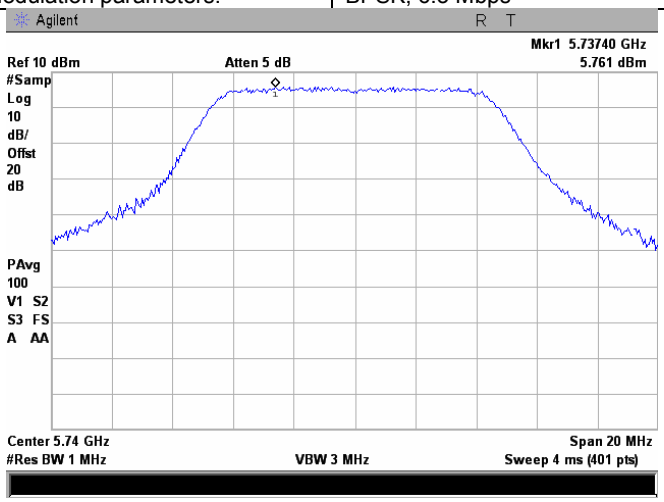
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

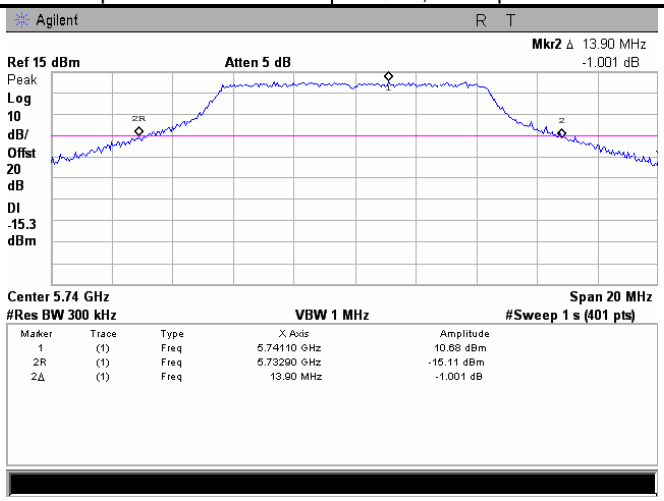
Plot 7.1.261 Peak spectral power density

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.262 The 26 dB emission bandwidth

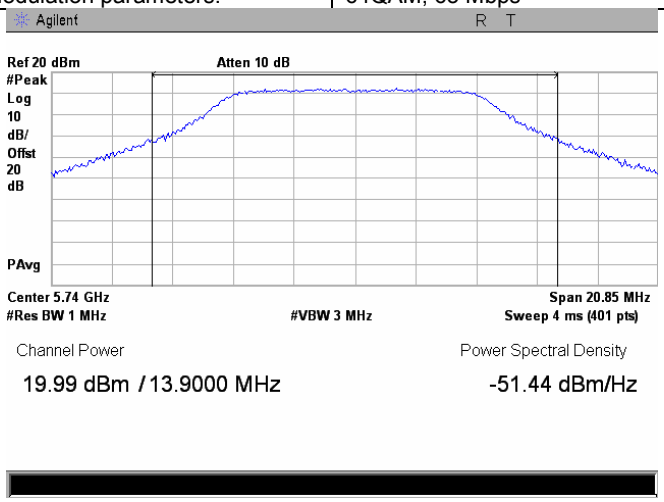
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

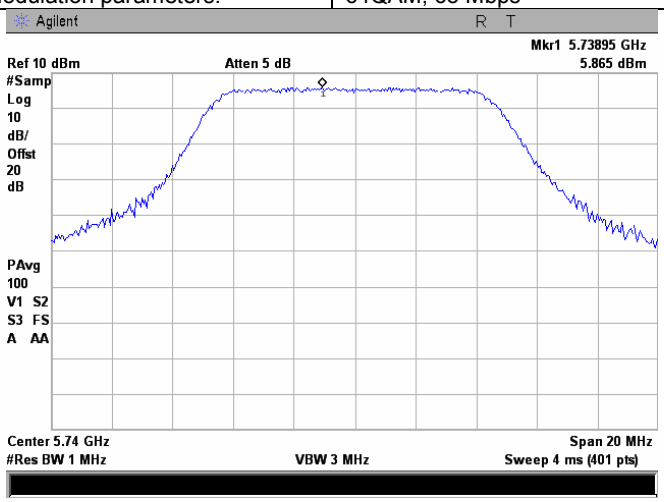
Plot 7.1.263 Peak output power

Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.264 Peak spectral power density

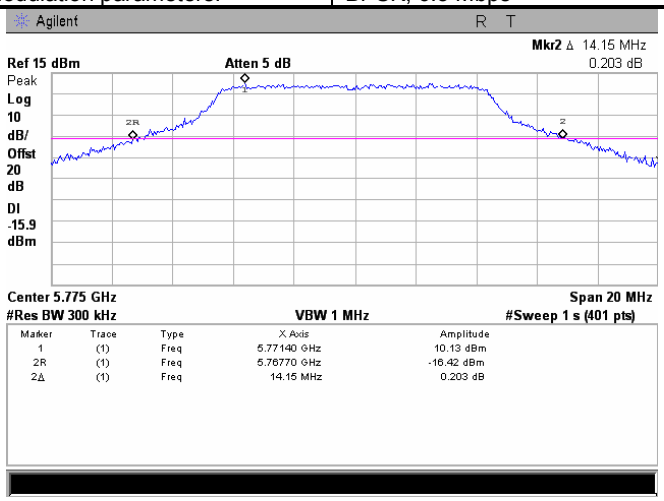
Frequency:	5740 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

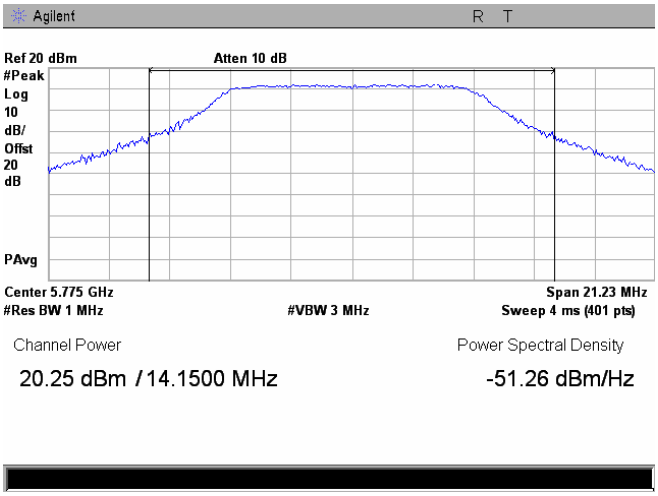
Plot 7.1.265 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.266 Peak output power

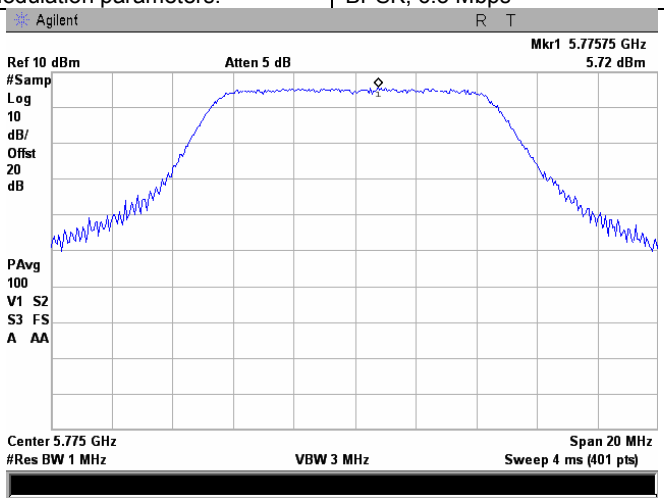
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

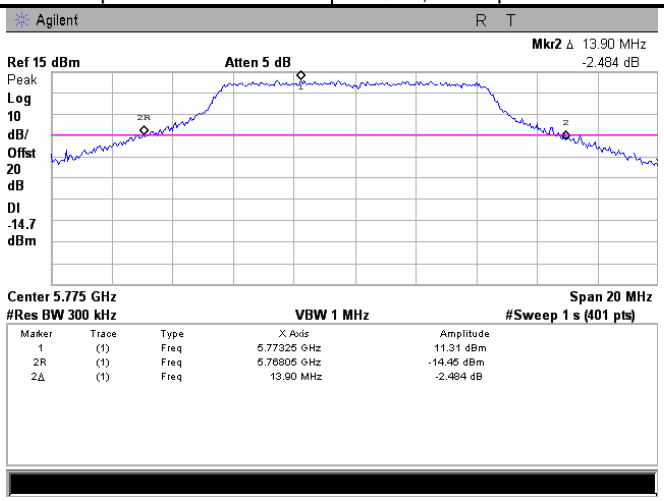
Plot 7.1.267 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.268 The 26 dB emission bandwidth

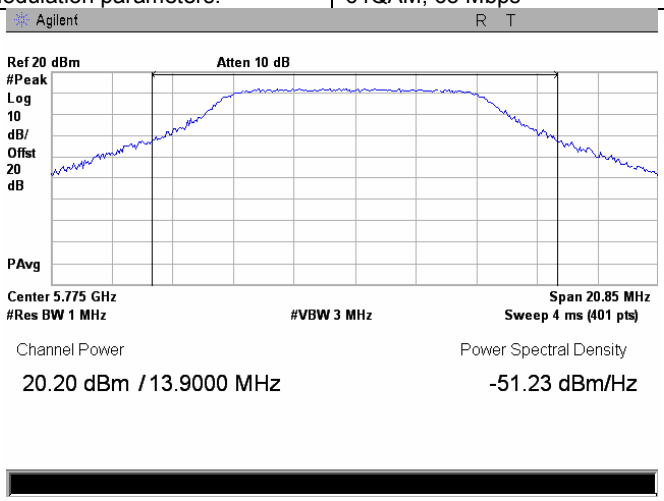
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

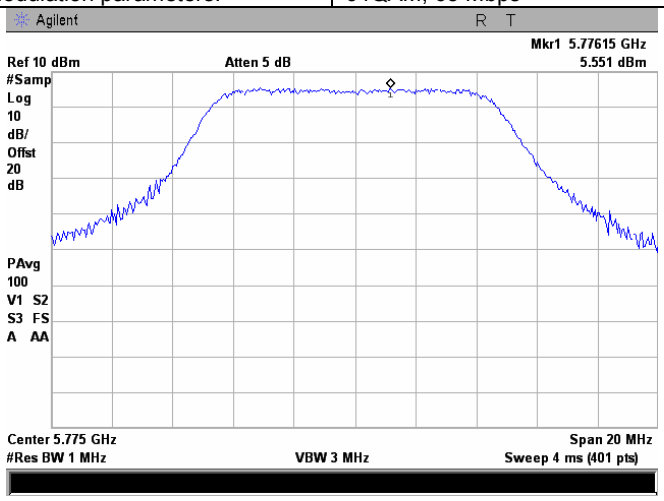
Plot 7.1.269 Peak output power

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.270 Peak spectral power density

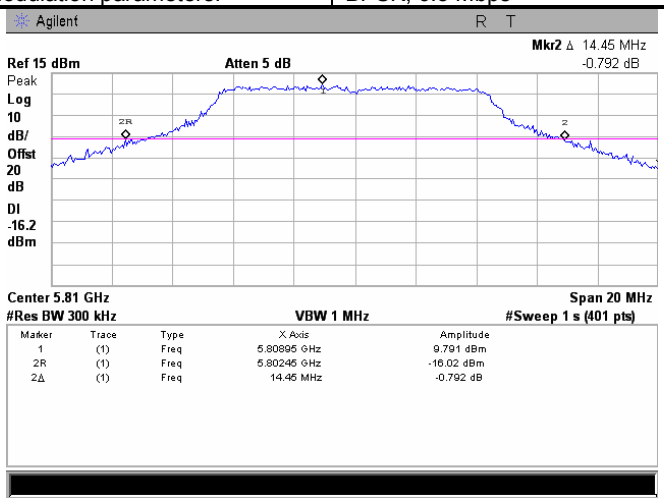
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	**FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2** **Peak output power and peak power spectral density**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

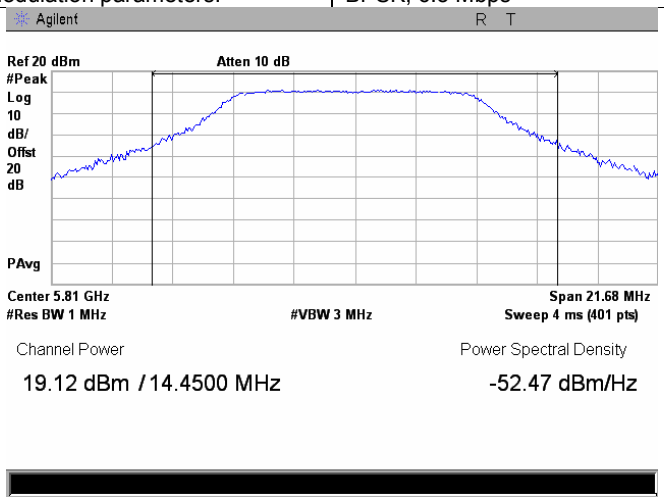
Plot 7.1.271 The 26 dB emission bandwidth

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.272 Peak output power

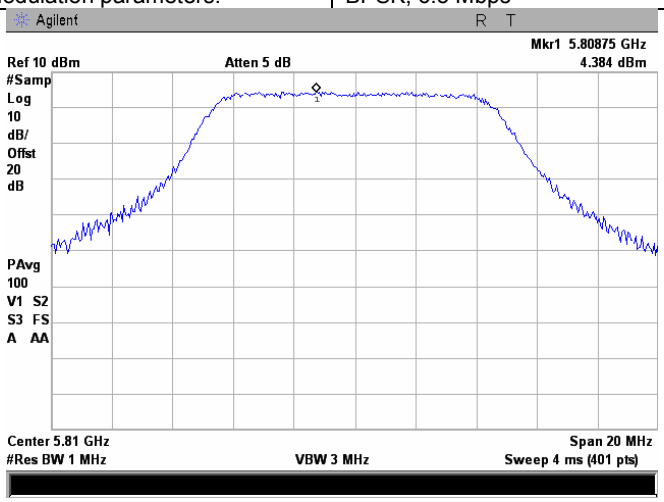
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

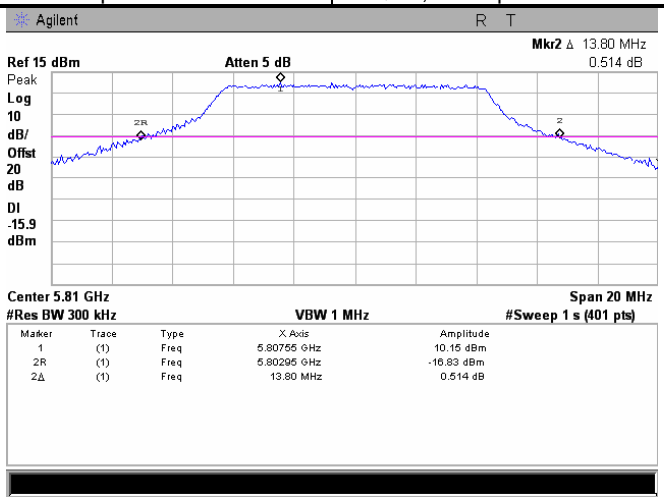
Plot 7.1.273 Peak spectral power density

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.274 The 26 dB emission bandwidth

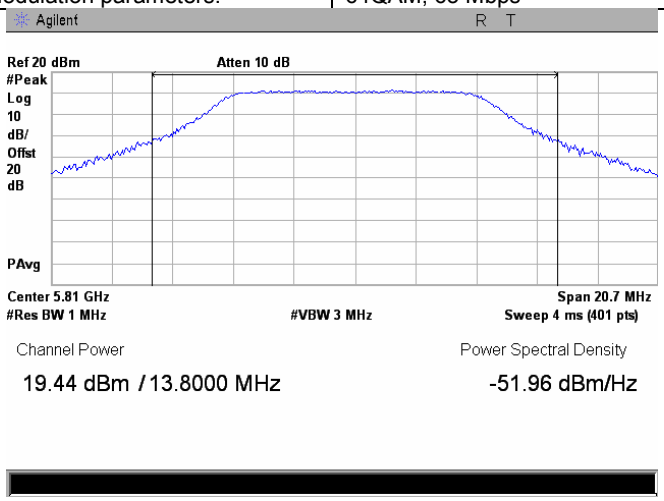
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

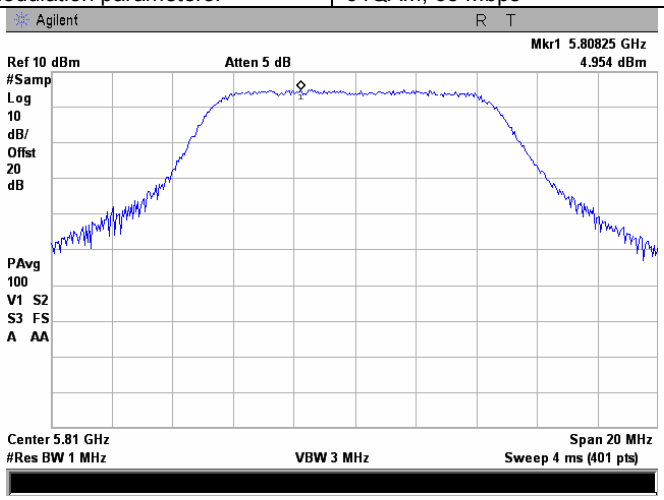
Plot 7.1.275 Peak output power

Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.276 Peak spectral power density

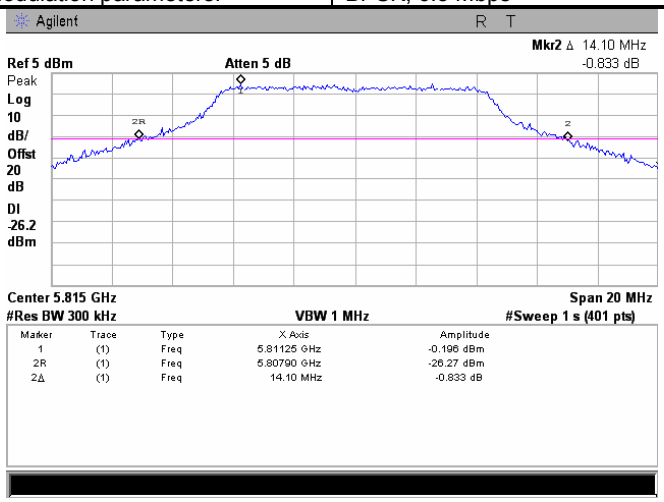
Frequency:	5810 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

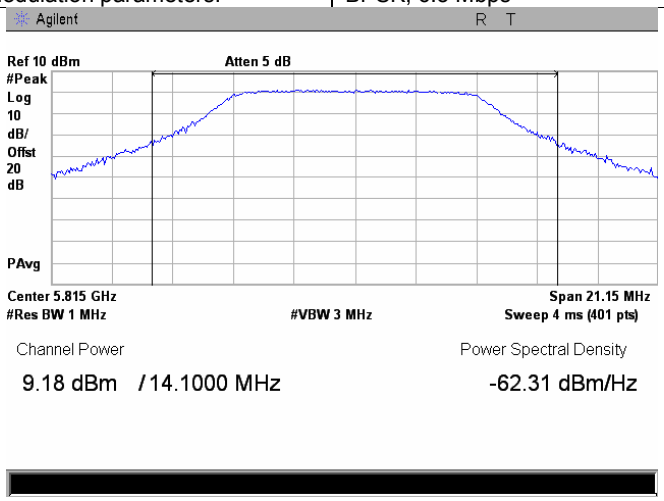
Plot 7.1.277 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.278 Peak output power

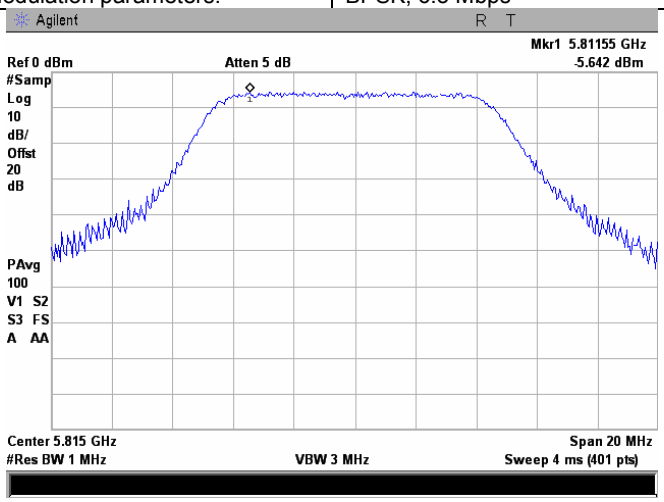
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

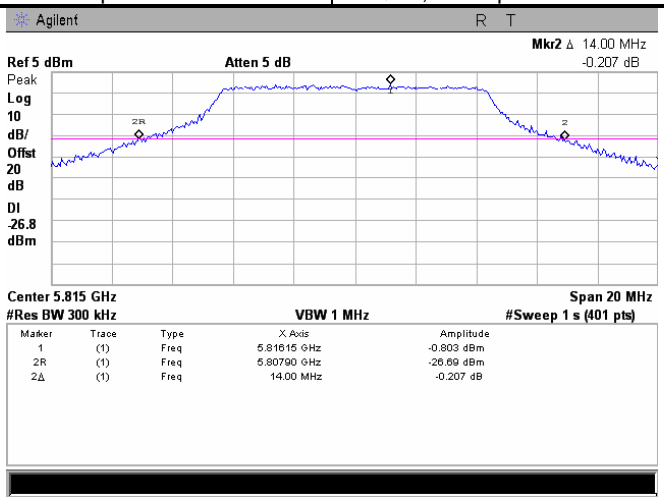
Plot 7.1.279 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK, 6.5 Mbps



Plot 7.1.280 The 26 dB emission bandwidth

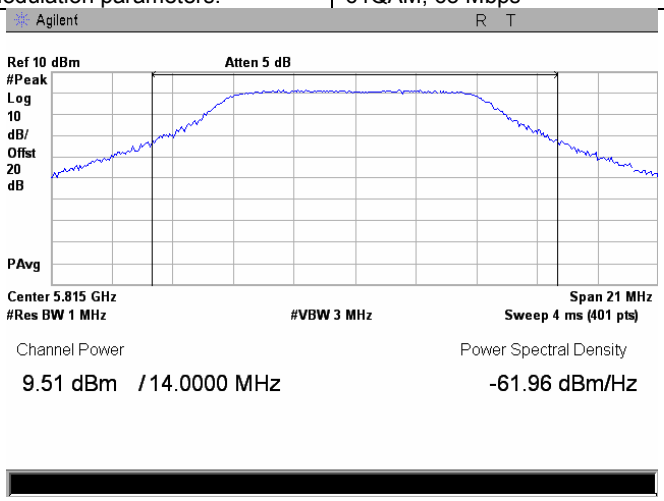
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

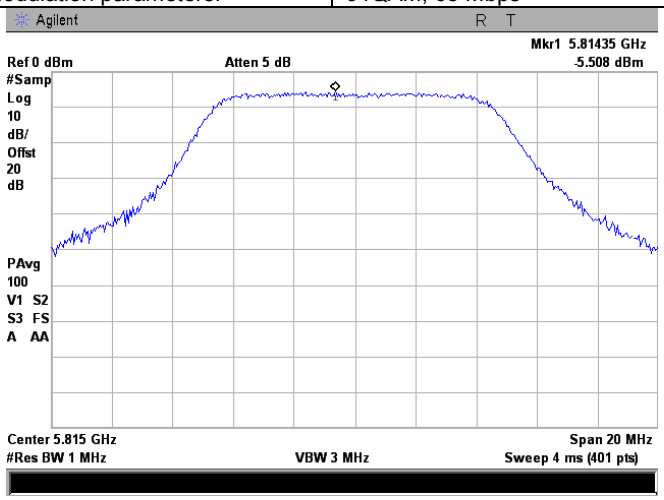
Plot 7.1.281 Peak output power

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Plot 7.1.282 Peak spectral power density

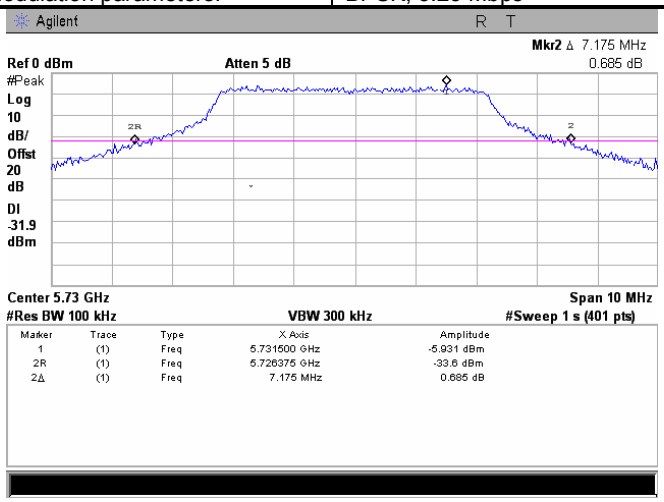
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM, 65 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

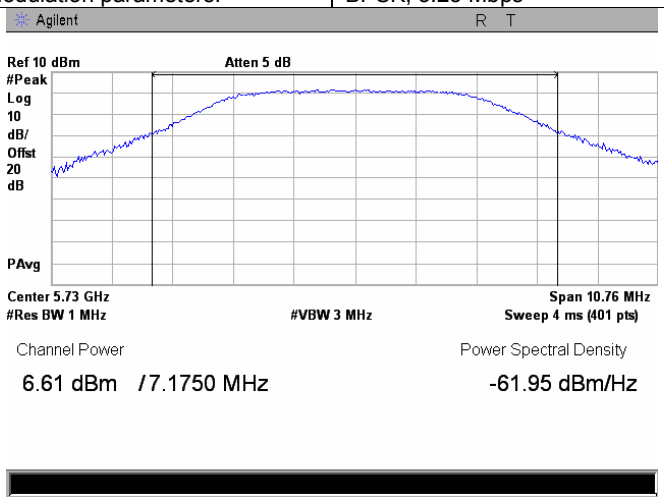
Plot 7.1.283 The 26 dB emission bandwidth

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.284 Peak output power

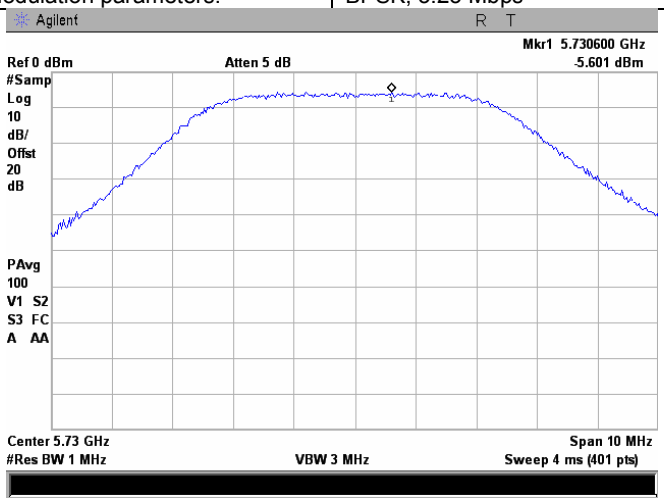
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

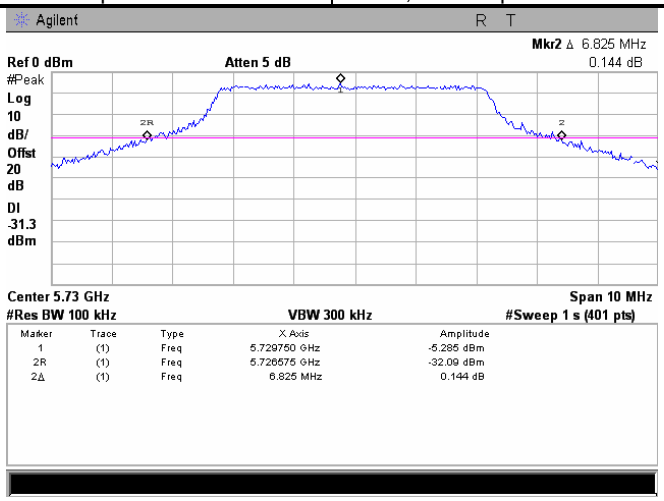
Plot 7.1.285 Peak spectral power density

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.286 The 26 dB emission bandwidth

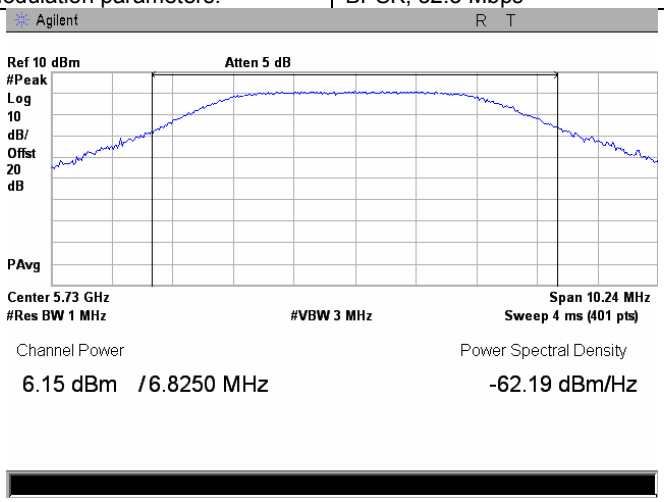
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

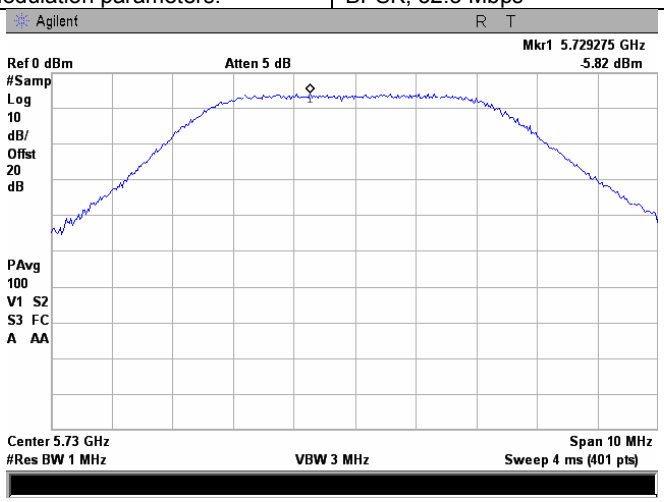
Plot 7.1.287 Peak output power

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.288 Peak spectral power density

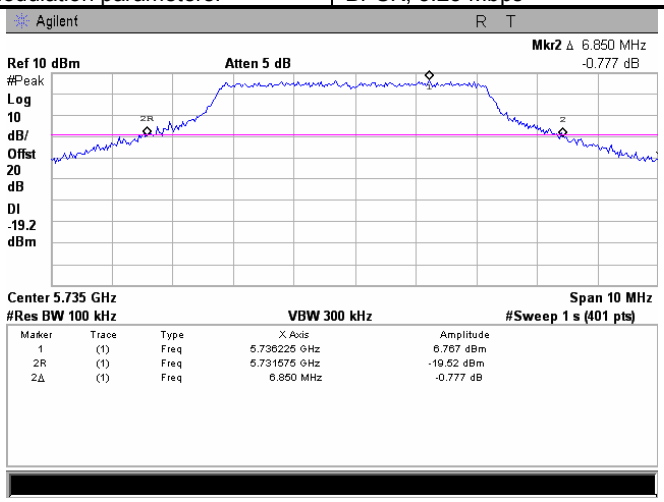
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

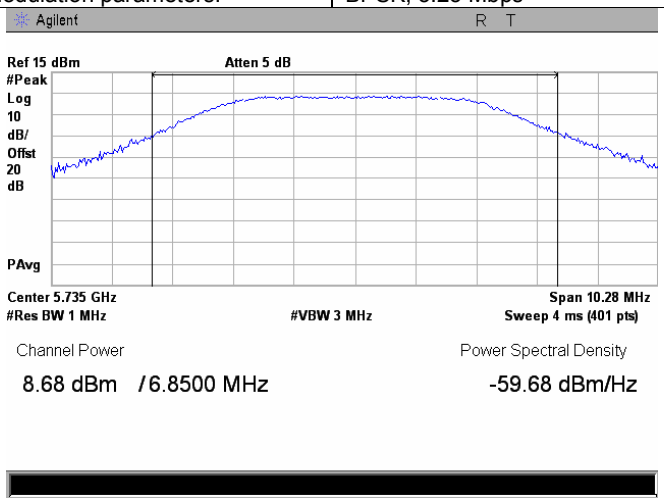
Plot 7.1.289 The 26 dB emission bandwidth

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.290 Peak output power

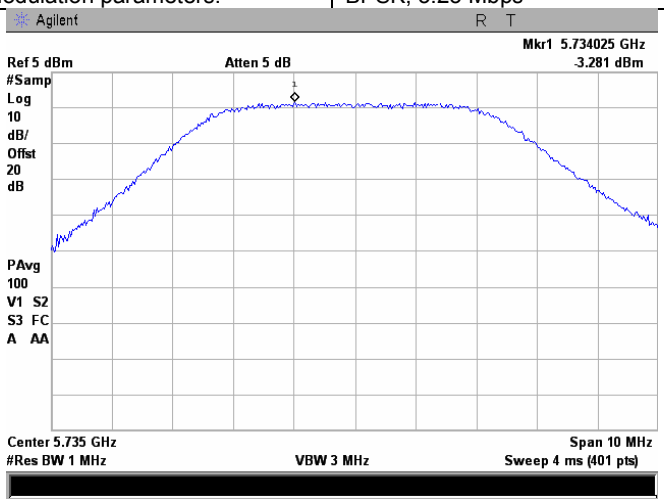
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

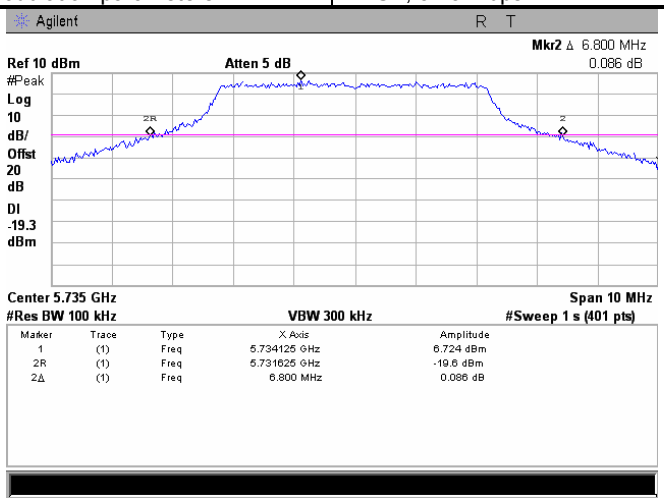
Plot 7.1.291 Peak spectral power density

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.292 The 26 dB emission bandwidth

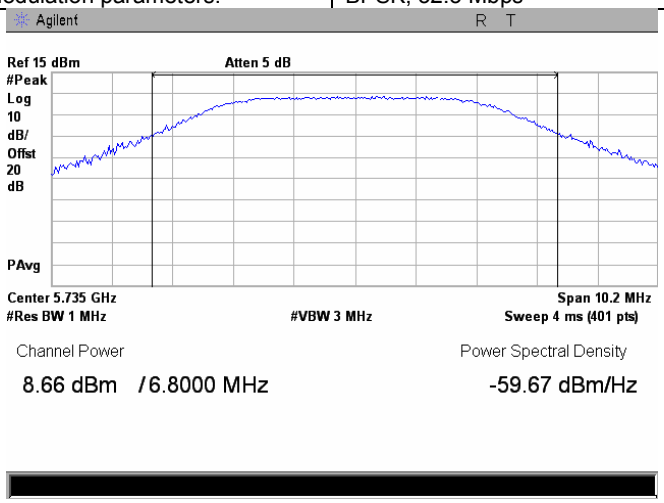
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

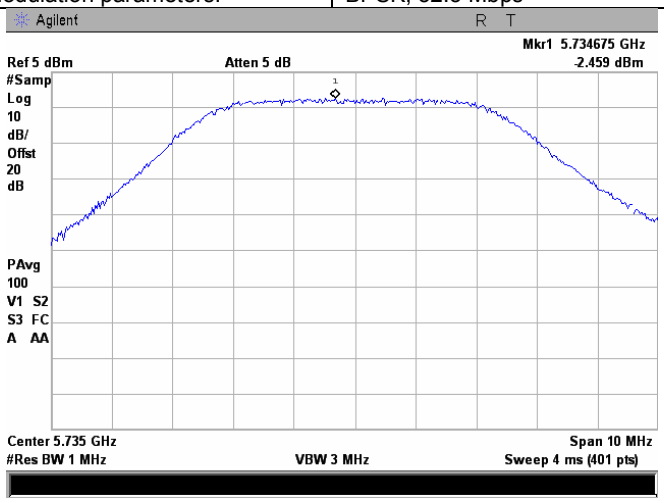
Plot 7.1.293 Peak output power

Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.294 Peak spectral power density

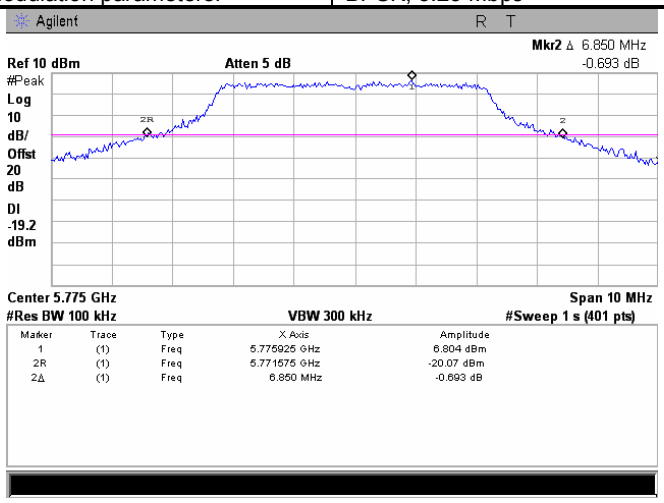
Frequency:	5735 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

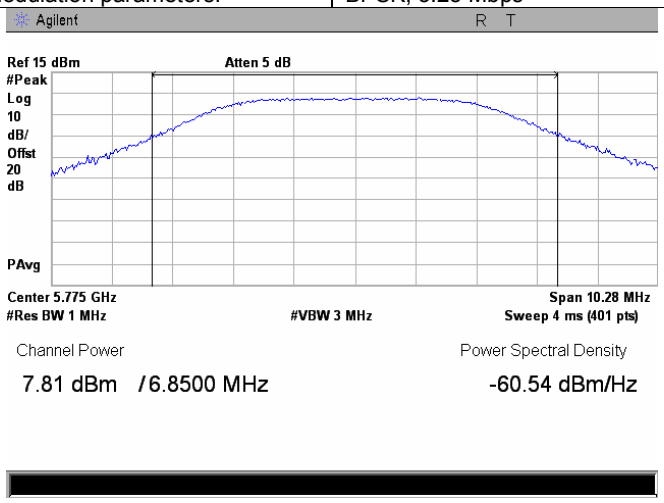
Plot 7.1.295 The 26 dB emission bandwidth

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.296 Peak output power

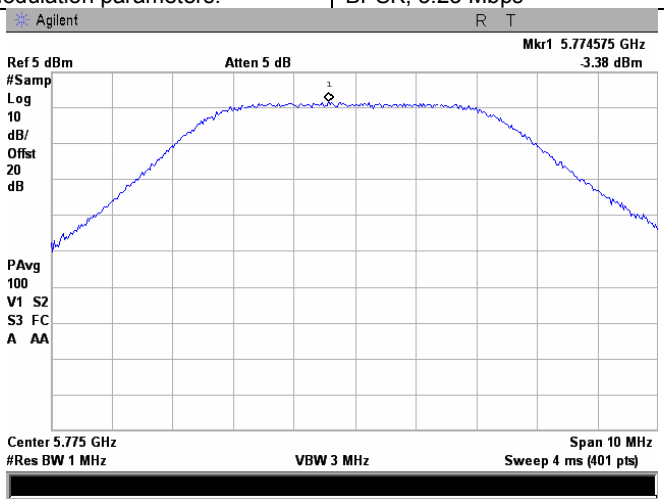
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

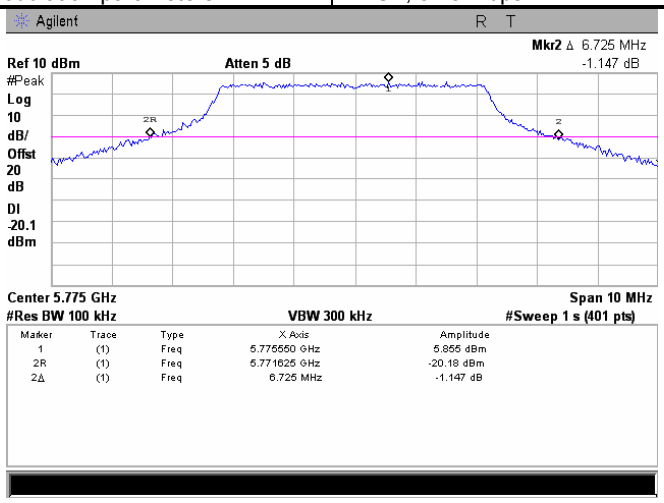
Plot 7.1.297 Peak spectral power density

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.298 The 26 dB emission bandwidth

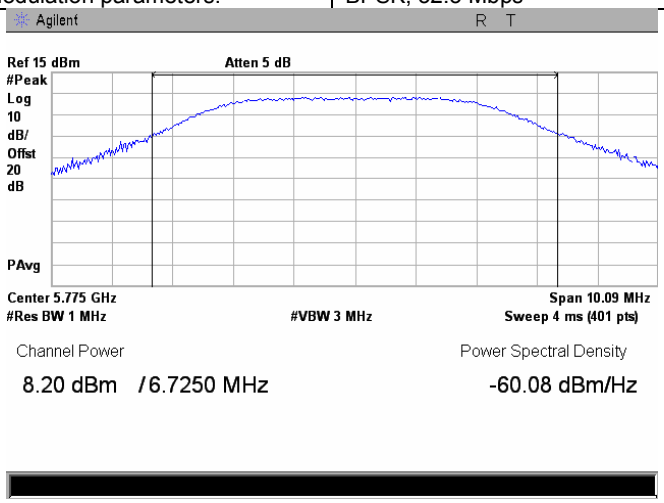
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

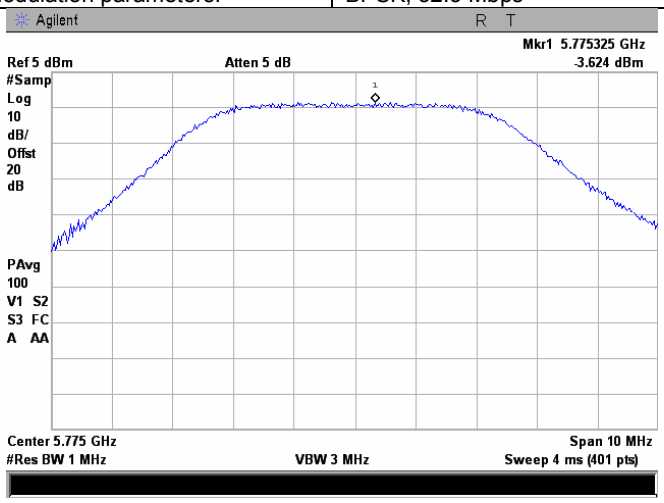
Plot 7.1.299 Peak output power

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.300 Peak spectral power density

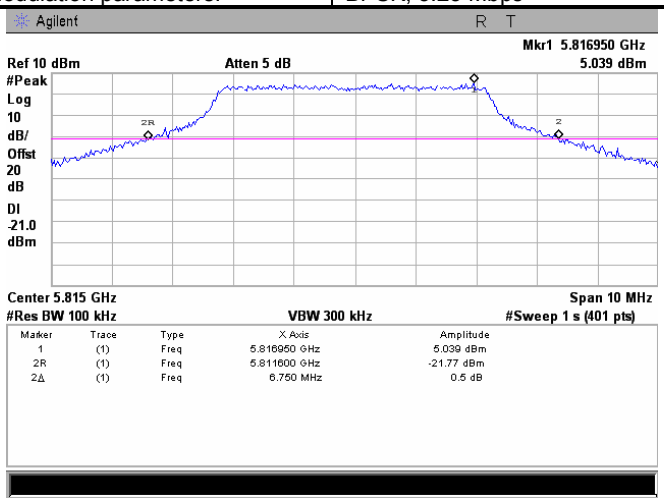
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

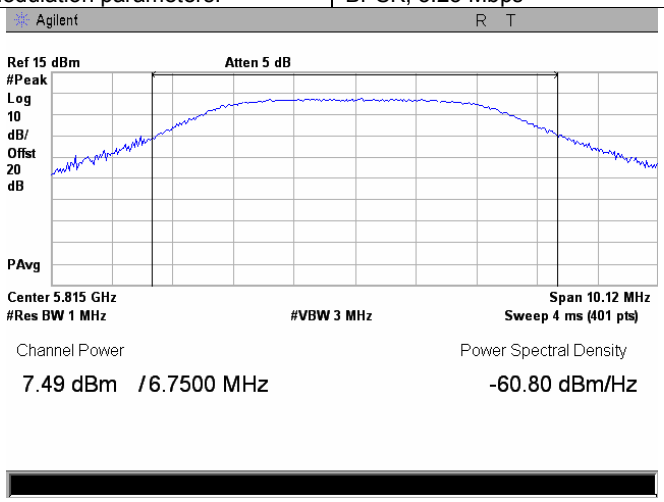
Plot 7.1.301 The 26 dB emission bandwidth

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.302 Peak output power

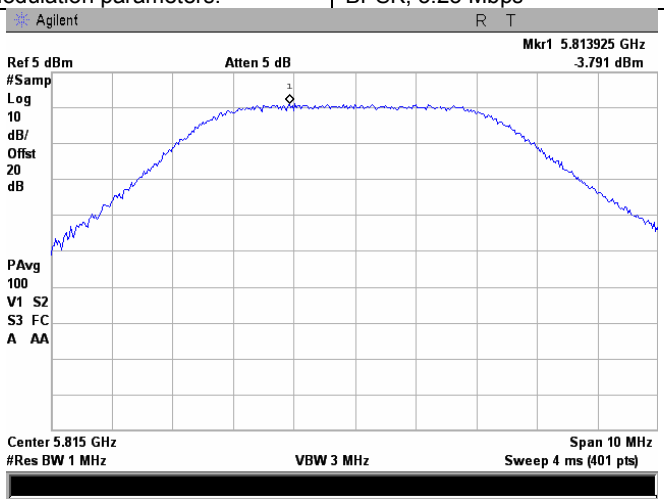
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

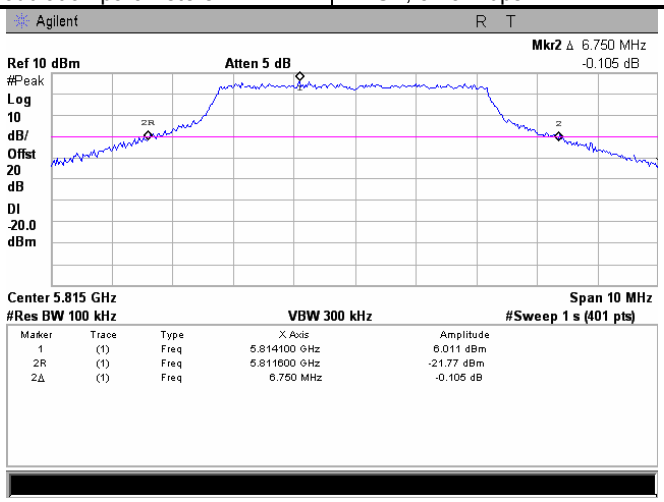
Plot 7.1.303 Peak spectral power density

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.304 The 26 dB emission bandwidth

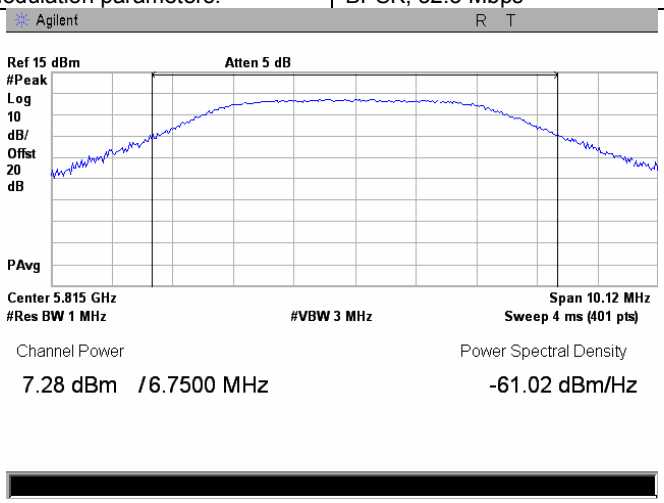
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

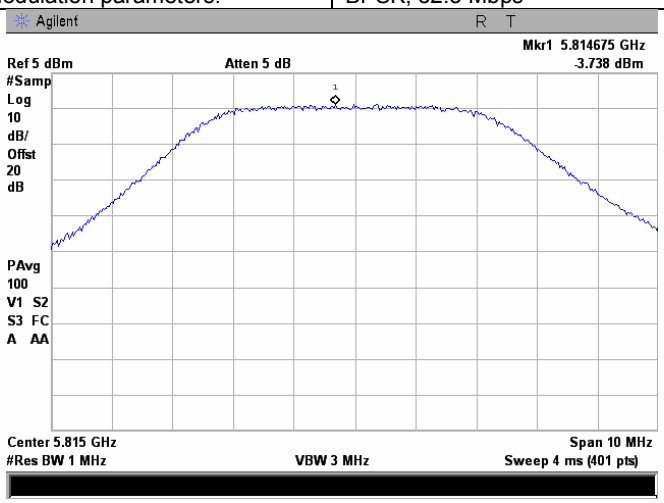
Plot 7.1.305 Peak output power

Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.306 Peak spectral power density

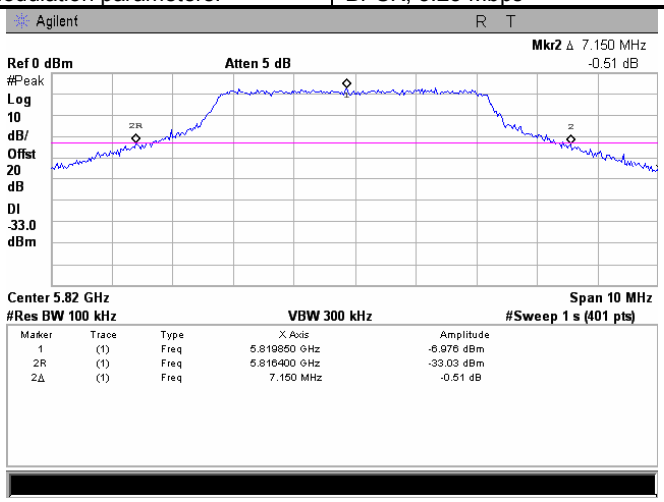
Frequency:	5815 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

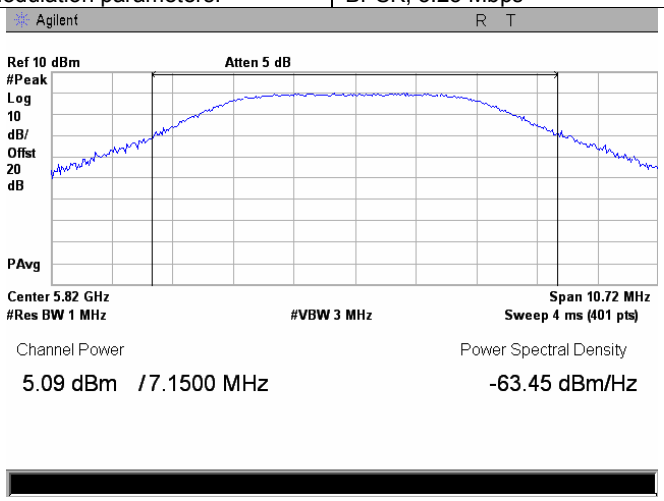
Plot 7.1.307 The 26 dB emission bandwidth

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.308 Peak output power

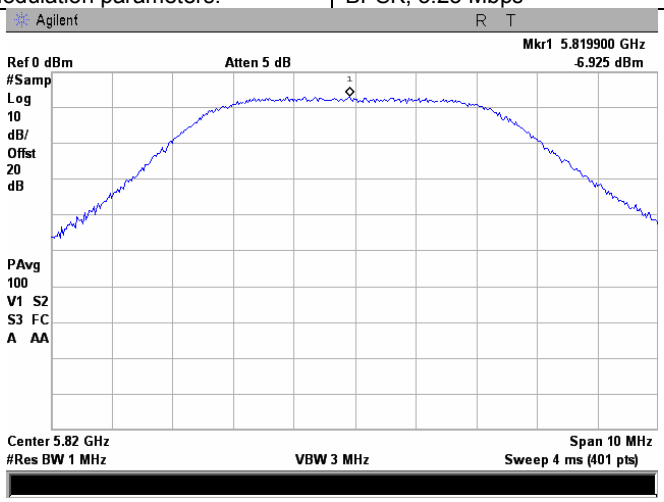
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

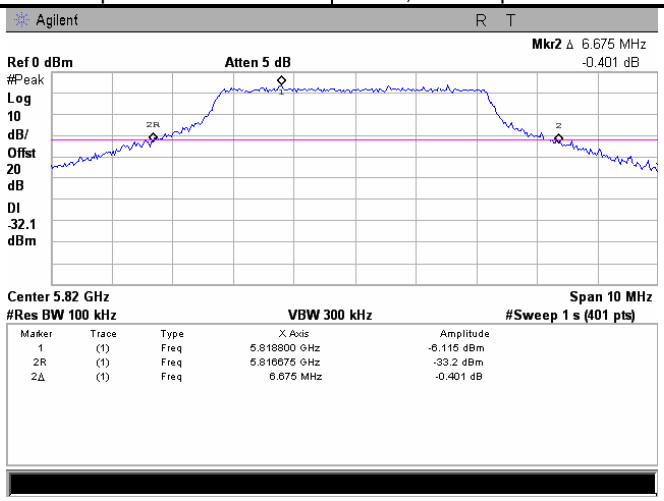
Plot 7.1.309 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 3.25 Mbps



Plot 7.1.310 The 26 dB emission bandwidth

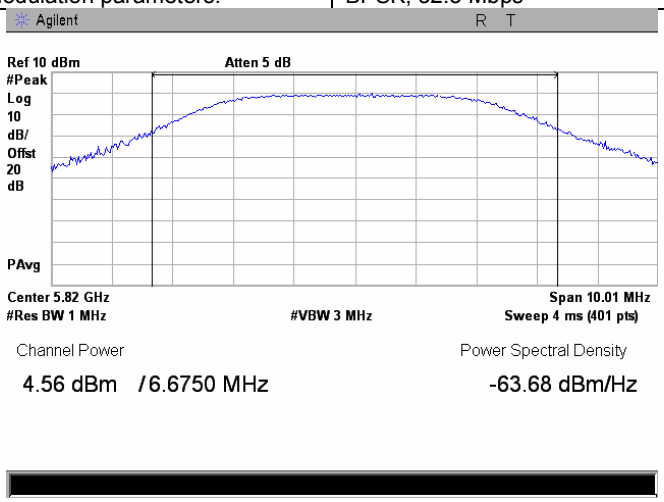
Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15. 407(a)(1-3), RSS-210 Annex 9, section A9.2 Peak output power and peak power spectral density		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/24/2010		
Temperature: 24 ºC	**Air Pressure:** 1012 hPa	**Relative Humidity:** 51 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

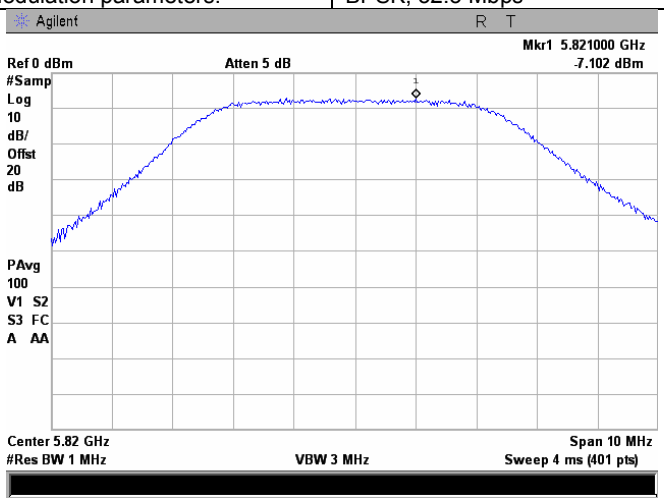
Plot 7.1.311 Peak output power

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Plot 7.1.312 Peak spectral power density

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK, 32.5 Mbps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks:			

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
5725 - 5825	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.

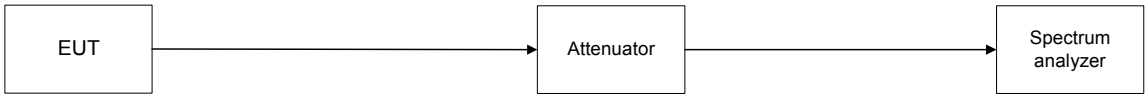
7.2.2.2 The EUT was adjusted to produce maximum available to end user RF output power.

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 7.2.5 and shown in the associated plots.

Figure 7.2.1 Ratio of peak excursion test setup



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Table 7.2.2 Ratio of peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 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
Low channel Band Edge							
5745.0	27	10.45	6.15	4.30	13.0	-8.70	Pass
5745.0	270	11.89	7.08	4.81	13.0	-8.19	Pass
Mid channel							
5775.0	27	16.11	11.45	4.66	13.0	-8.34	Pass
5775.0	270	15.75	11.06	4.69	13.0	-8.31	Pass
High channel Band Edge							
5805.0	27	11.08	6.21	4.87	13.0	-8.13	Pass
5805.0	270	11.07	6.42	4.65	13.0	-8.35	Pass

Table 7.2.3 Peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 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
Low channel Band Edge							
5735	13	7.04	2.63	4.41	13.0	-8.59	Pass
5735	130	8.37	3.59	4.78	13.0	-8.22	Pass
Low channel In-Band							
5740	13	16.25	12.21	4.04	13.0	-8.96	Pass
5740	130	17.36	11.37	5.99	13.0	-7.01	Pass
Mid channel							
5775	13	14.89	10.48	4.41	13.0	-8.59	Pass
5775	130	16.9	11.54	5.36	13.0	-7.64	Pass
High channel In-Band							
5810	13	16.31	11.72	4.59	13.0	-8.41	Pass
5810	130	15.28	10.34	4.94	13.0	-8.06	Pass
High channel Band Edge							
5815	13	6.95	2.86	4.09	13.0	-8.91	Pass
5815	130	7.88	3.19	4.69	13.0	-8.31	Pass

Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

Table 7.2.4 Peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 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
Low channel Band Edge							
5730	6.5	6.51	2.01	4.50	13.0	-8.50	Pass
5730	65	7.23	2.53	4.70	13.0	-8.30	Pass
Low channel In-Band							
5735	6.5	19.92	14.83	5.09	13.0	-7.91	Pass
5735	65	19.42	14.6	4.82	13.0	-8.18	Pass
Mid channel							
5775	6.5	18.64	14.01	4.63	13.0	-8.37	Pass
5775	65	18.27	13.56	4.71	13.0	-8.29	Pass
High channel In-Band							
5815	6.5	18.16	13.27	4.89	13.0	-8.11	Pass
5815	65	17.88	13.19	4.69	13.0	-8.31	Pass
High channel Band Edge							
5820	6.5	6.58	1.77	4.81	13.0	-8.19	Pass
5820	65	6.79	1.76	5.03	13.0	-7.97	Pass

Table 7.2.5 Peak excursion test results

ASSIGNED FREQUENCY RANGE: 5725 - 5825 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
Low channel Band Edge							
5730	3.25	19.42	13.99	5.43	13.0	-7.57	Pass
5730	32.5	18.31	13.57	4.74	13.0	-8.26	Pass
Mid channel							
5775	3.25	20.24	15.54	4.70	13.0	-8.30	Pass
5775	32.5	18.76	14.35	4.41	13.0	-8.59	Pass
High channel Band Edge							
5820	3.25	17.88	13.13	4.75	13.0	-8.25	Pass
5820	32.5	17.56	12.8	4.76	13.0	-8.24	Pass

Reference numbers of test equipment used

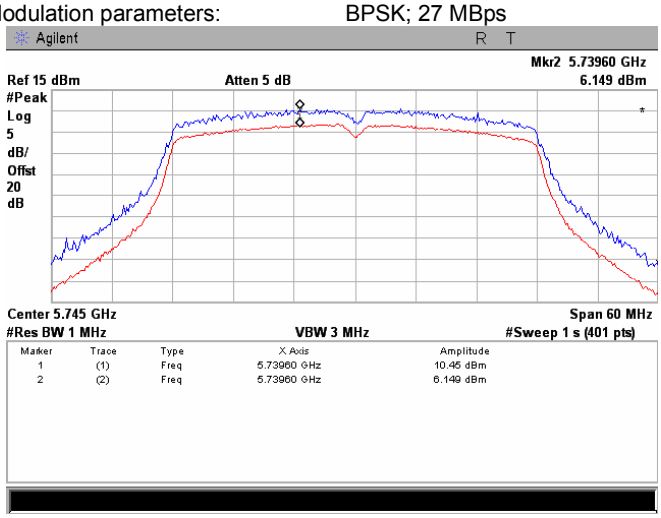
HL 2952	HL 3435	HL 3437	HL 3818				

Full description is given in Appendix A.

Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

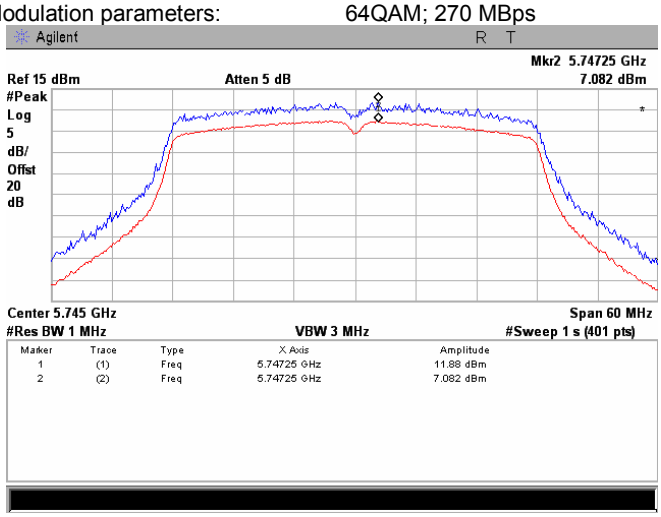
Plot.7.2.1 Peak excursion measurement

Frequency: 5745 MHz
Channel BW: 40 MHz
Modulation parameters: BPSK; 27 MBps



Plot.7.2.2 Peak excursion measurement

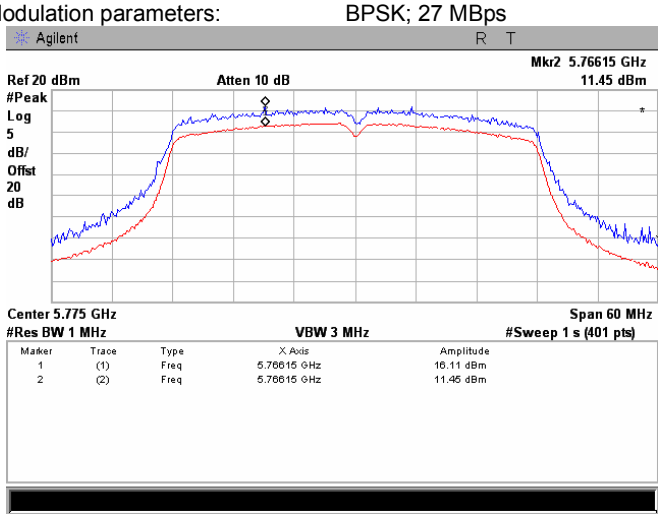
Frequency: 5745 MHz
Channel BW: 40 MHz
Modulation parameters: 64QAM; 270 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

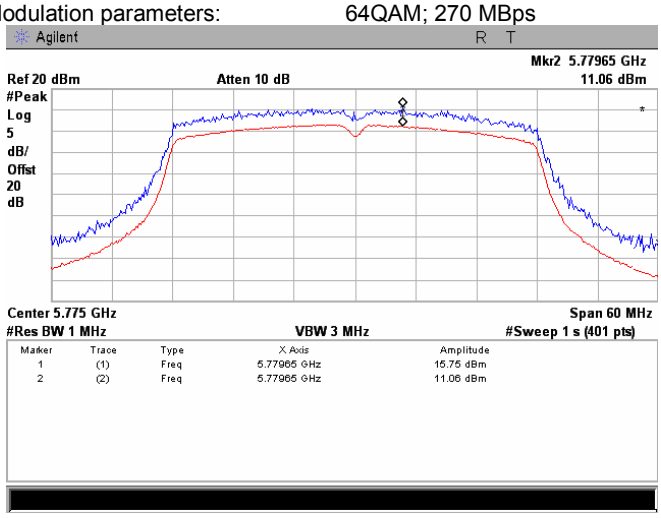
Plot.7.2.3 Peak excursion measurement

Frequency: 5775 MHz
Channel BW: 40 MHz
Modulation parameters: BPSK; 27 MBps



Plot.7.2.4 Peak excursion measurement

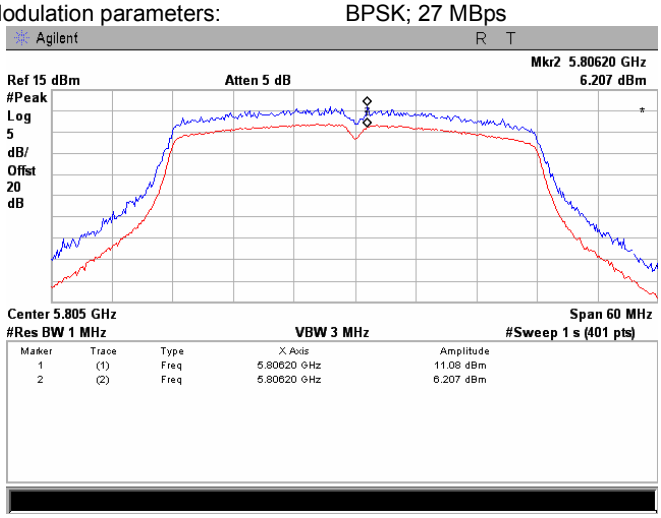
Frequency: 5775 MHz
Channel BW: 40 MHz
Modulation parameters: 64QAM; 270 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

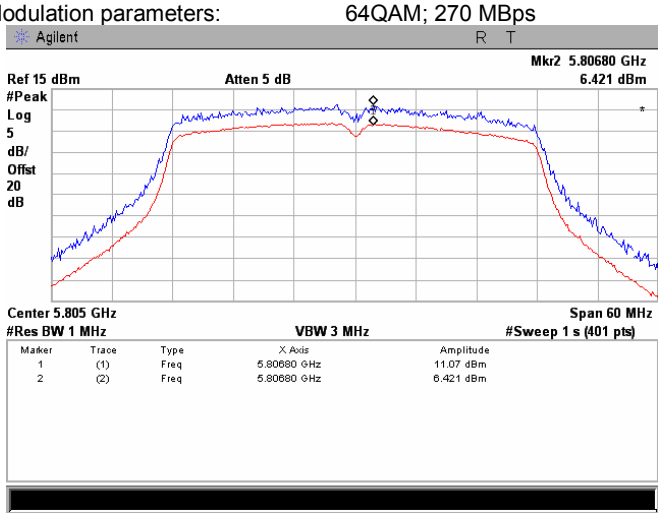
Plot.7.2.5 Peak excursion measurement

Frequency: 5805 MHz
Channel BW: 40 MHz
Modulation parameters: BPSK; 27 MBps



Plot.7.2.6 Peak excursion measurement

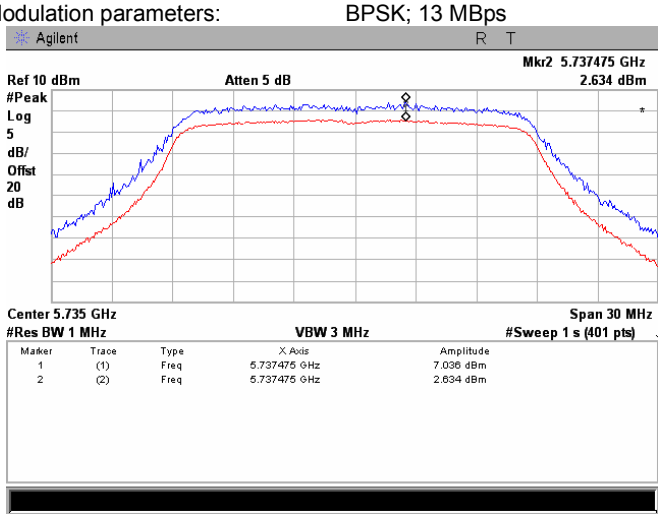
Frequency: 5805 MHz
Channel BW: 40 MHz
Modulation parameters: 64QAM; 270 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

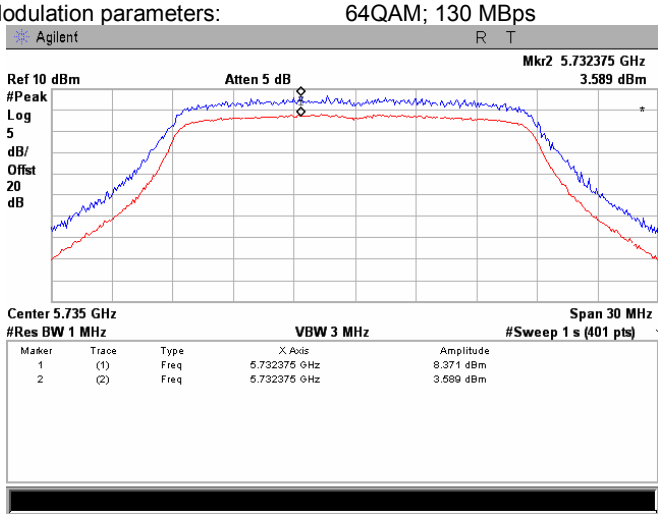
Plot.7.2.7 Peak excursion measurement

Frequency: 5735 MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.8 Peak excursion measurement

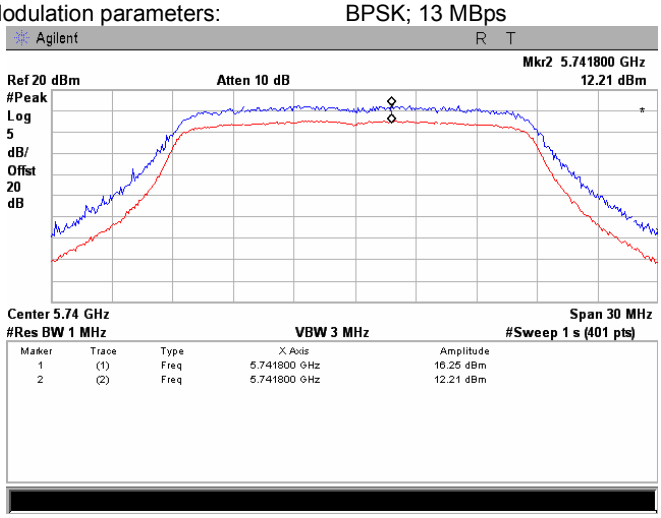
Frequency: 5735 MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

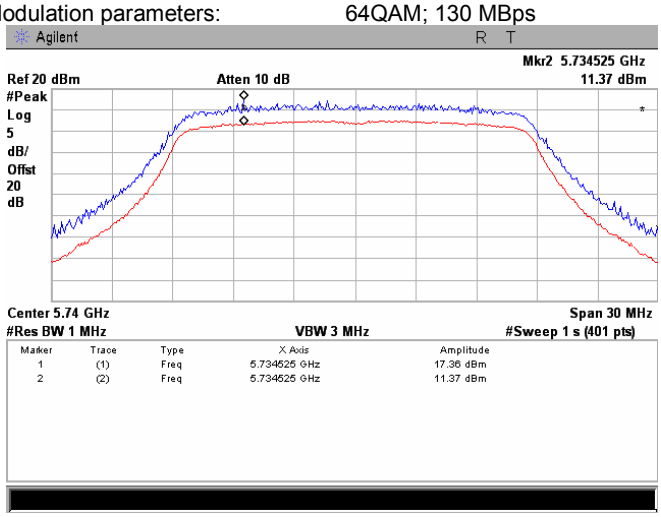
Plot.7.2.9 Peak excursion measurement

Frequency: 5740MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.10 Peak excursion measurement

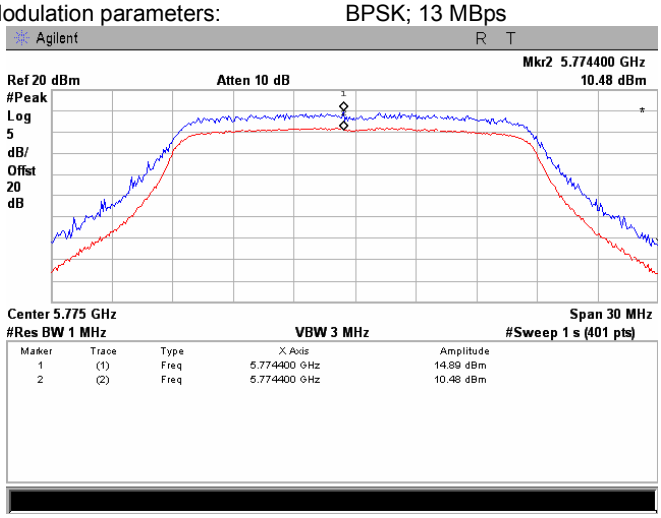
Frequency: 5740MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

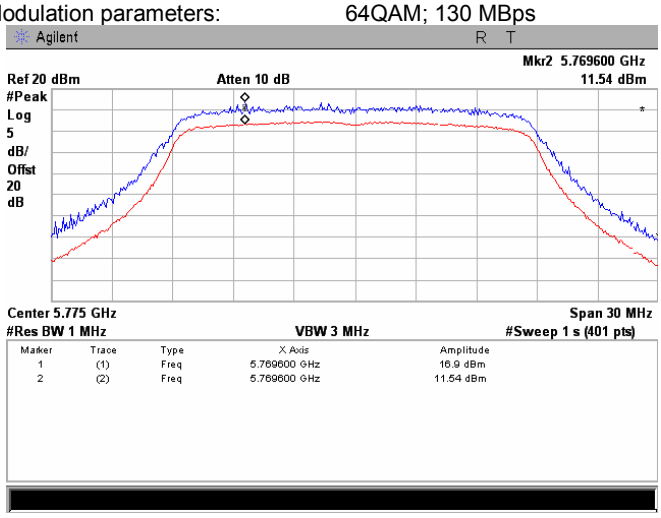
Plot.7.2.11 Peak excursion measurement

Frequency: 5775MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.12 Peak excursion measurement

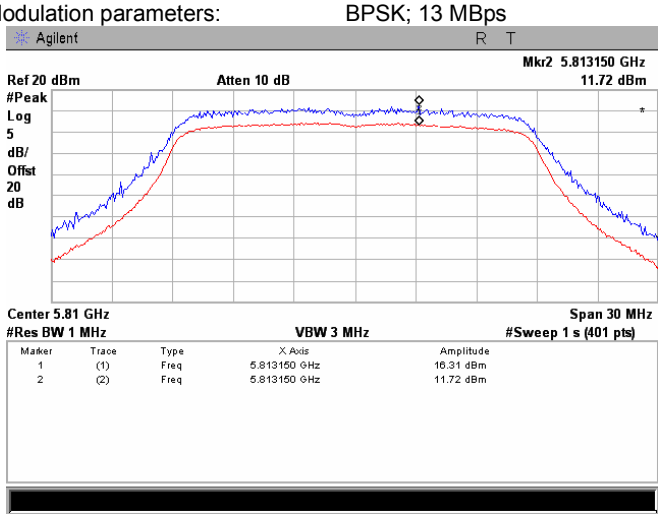
Frequency: 5775MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

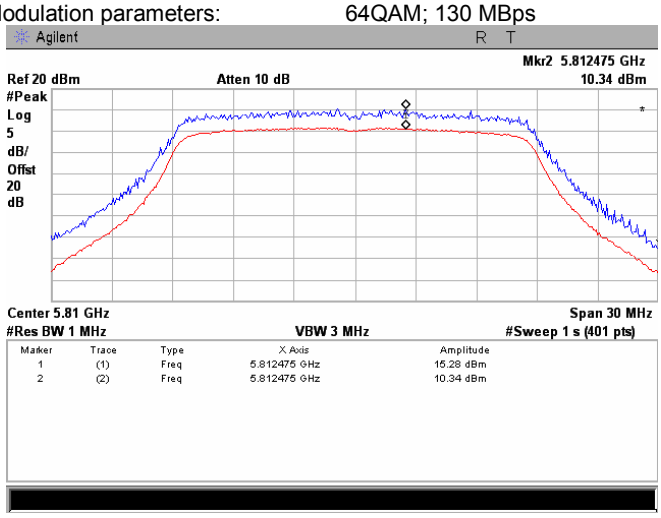
Plot.7.2.13 Peak excursion measurement

Frequency: 5810 MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.14 Peak excursion measurement

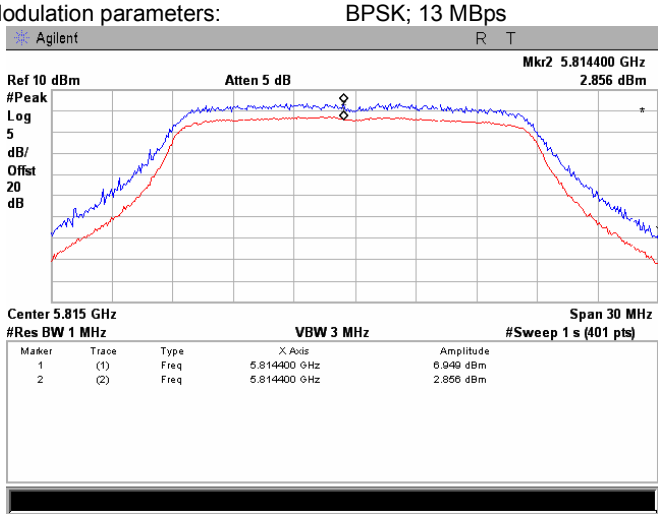
Frequency: 5810 MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

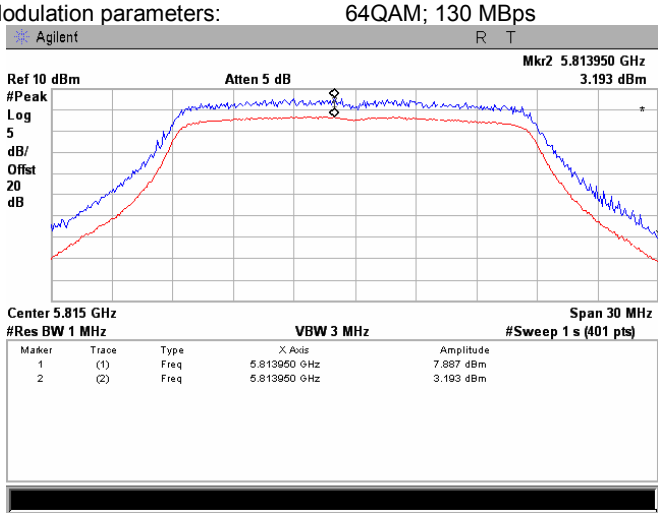
Plot.7.2.15 Peak excursion measurement

Frequency: 5815 MHz
Channel BW: 20 MHz
Modulation parameters: BPSK; 13 MBps



Plot.7.2.16 Peak excursion measurement

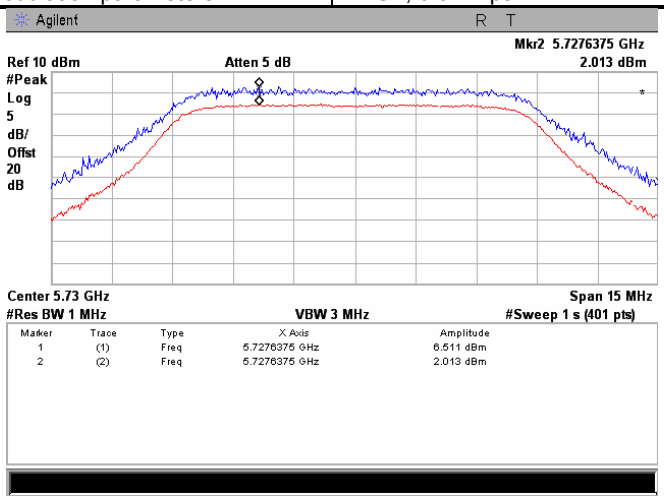
Frequency: 5815 MHz
Channel BW: 20 MHz
Modulation parameters: 64QAM; 130 MBps



Test specification:	FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	Verdict:	PASS
Date:	3/25/2009		
Temperature: 24 ºC	Air Pressure: 1011 hPa	Relative Humidity: 44 %	Power Supply: 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

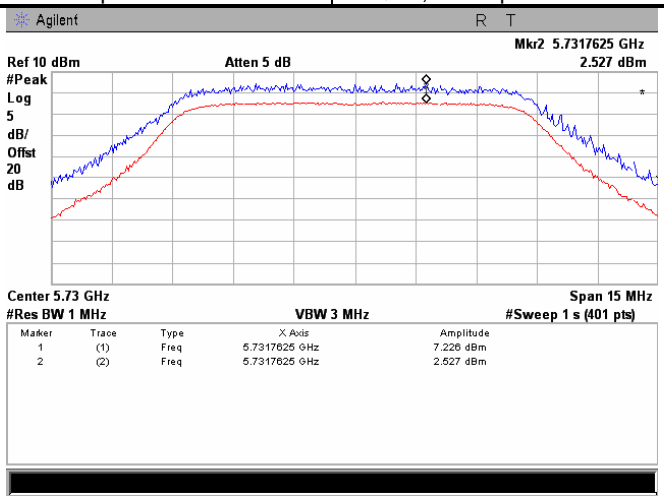
Plot 7.2.17 Peak excursion measurement

Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.18 Peak excursion measurement

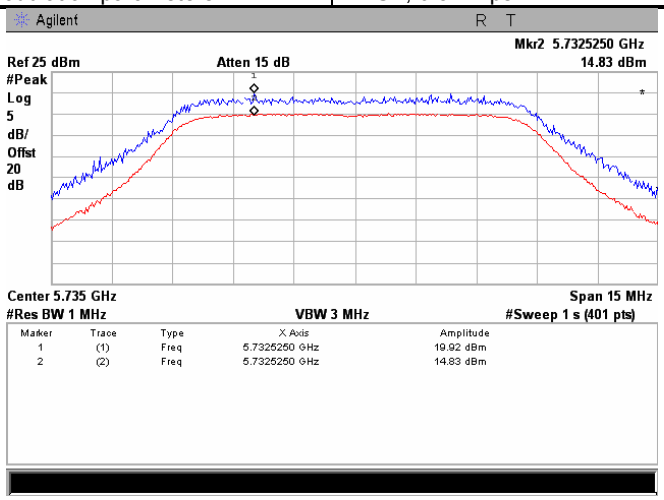
Frequency:	5730 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

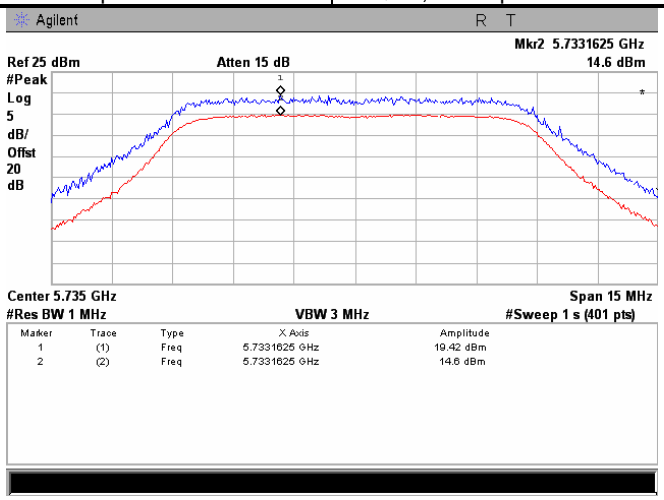
Plot 7.2.19 Peak excursion measurement

Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.20 Peak excursion measurement

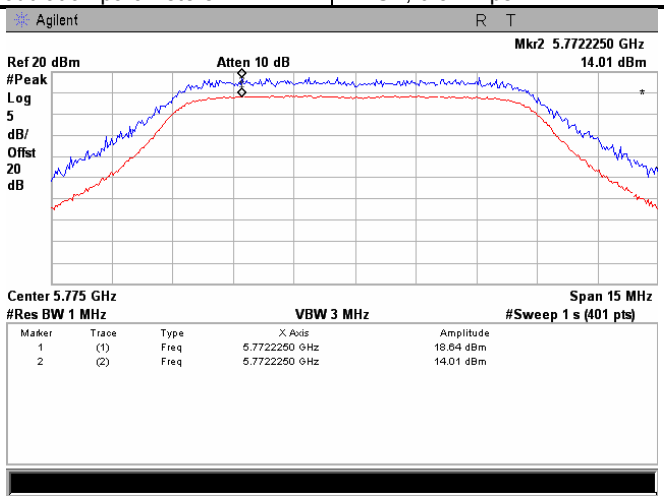
Frequency:	5735 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

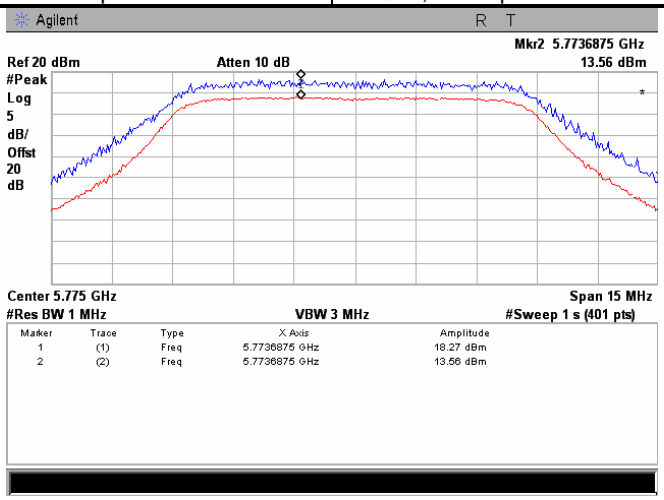
Plot 7.2.21 Peak excursion measurement

Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.22 Peak excursion measurement

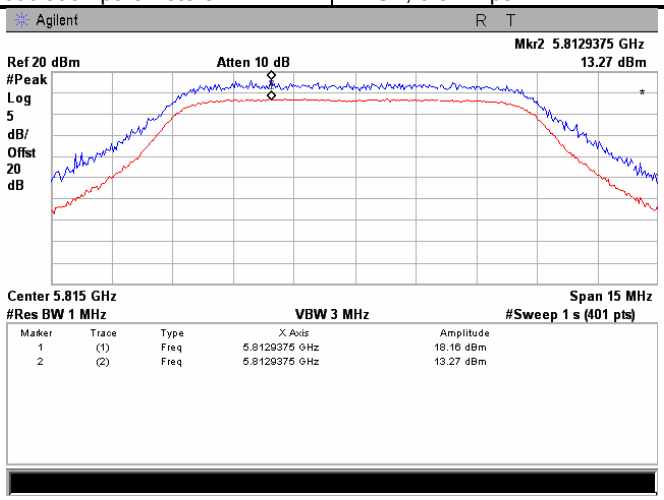
Frequency:	5775 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

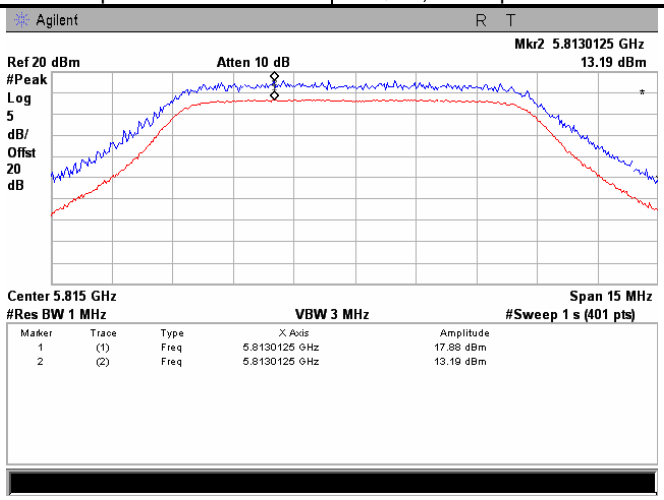
Plot 7.2.23 Peak excursion measurement

Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.24 Peak excursion measurement

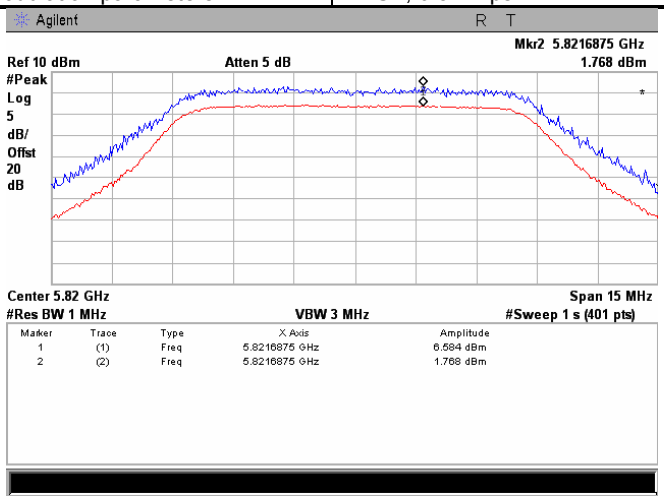
Frequency:	5815 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

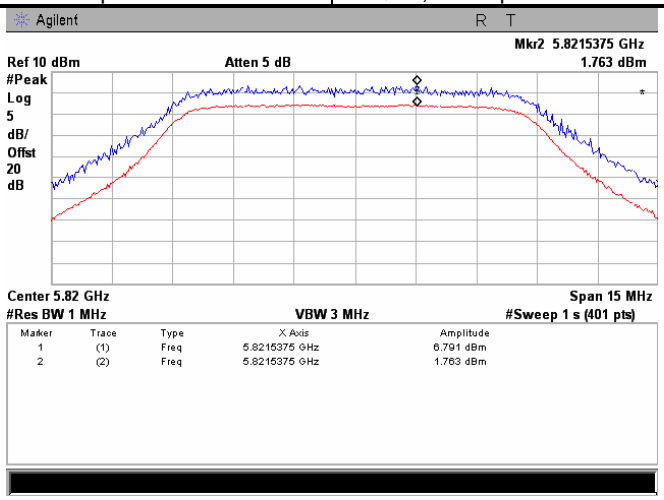
Plot 7.2.25 Peak excursion measurement

Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	BPSK; 6.5 MBps



Plot 7.2.26 Peak excursion measurement

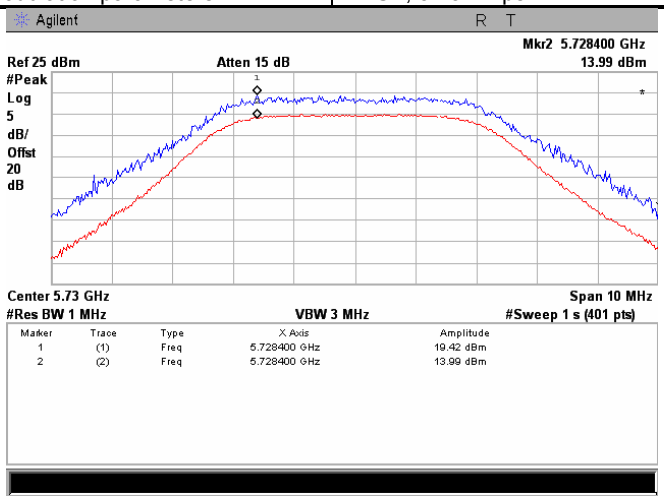
Frequency:	5820 MHz
Channel BW:	10 MHz
Modulation parameters:	64QAM; 65 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

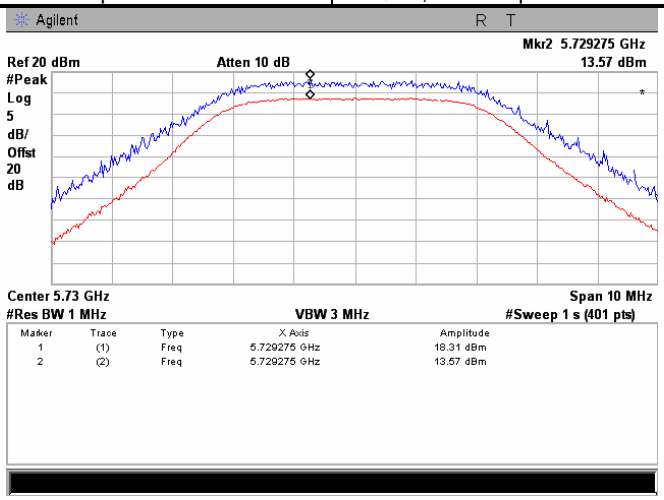
Plot 7.2.27 Peak excursion measurement

Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK; 3.25 MBps



Plot 7.2.28 Peak excursion measurement

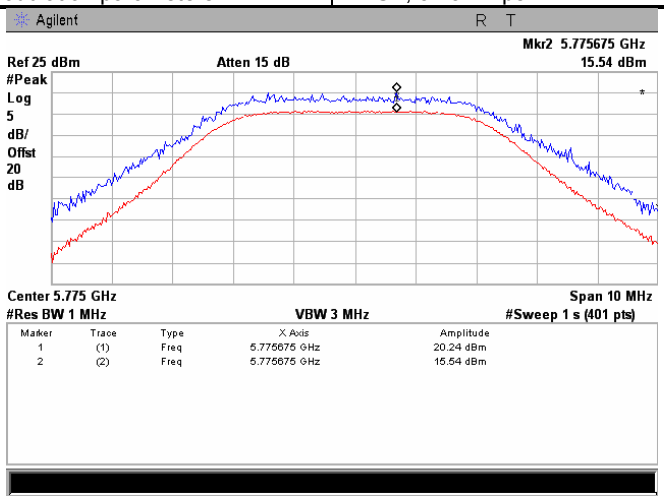
Frequency:	5730 MHz
Channel BW:	5 MHz
Modulation parameters:	64QAM; 32.5 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

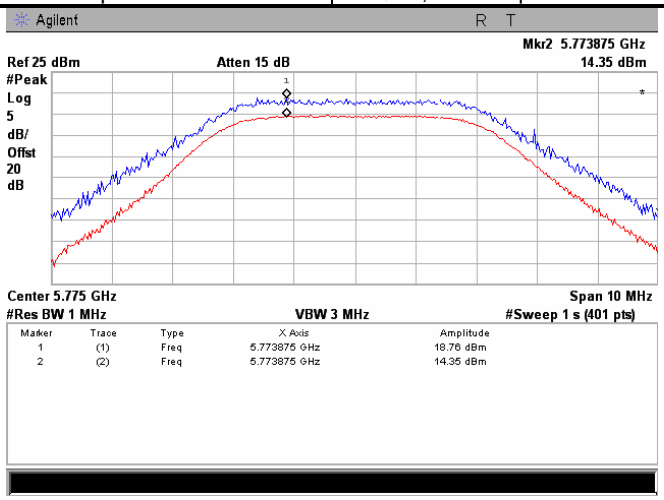
Plot 7.2.29 Peak excursion measurement

Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK; 3.25 MBps



Plot 7.2.30 Peak excursion measurement

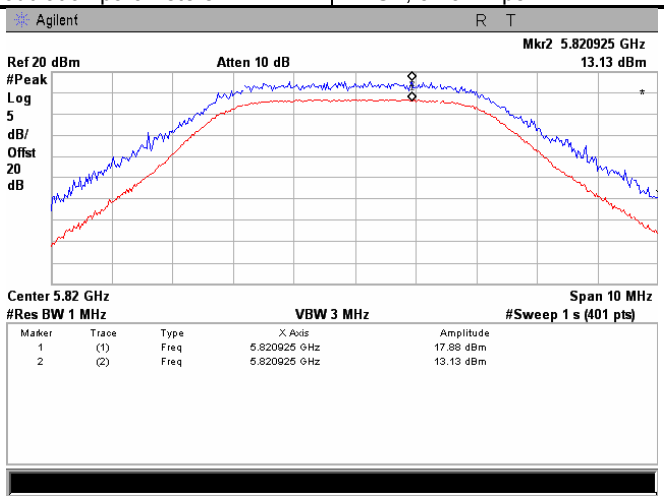
Frequency:	5775 MHz
Channel BW:	5 MHz
Modulation parameters:	64QAM; 32.5 MBps



Test specification:	**FCC section 15.407(a)(6), Ratio of the peak excursion of the modulation envelope to the peak transmit power**		
Test procedure:	FCC Public Notice DA 02-2138, Appendix A		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/25/2009		
Temperature: 24 ºC	**Air Pressure:** 1011 hPa	**Relative Humidity:** 44 %	**Power Supply:** 120 VAC
Remarks: EUT with 6 dBi antenna assembly gain			

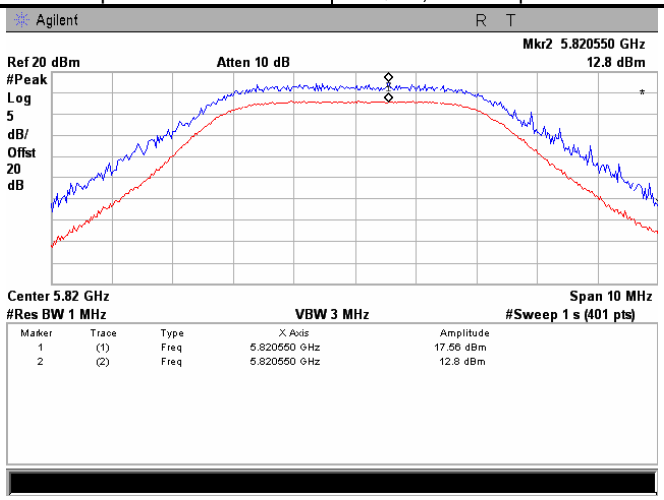
Plot 7.2.31 Peak excursion measurement

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	BPSK; 3.25 MBps



Plot 7.2.32 Peak excursion measurement

Frequency:	5820 MHz
Channel BW:	5 MHz
Modulation parameters:	64QAM; 32.5 MBps



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	Verdict:	PASS
Date:	3/22/2009		
Temperature: 24ºC	Air Pressure: 1013 hPa	Relative Humidity: 47 %	Power Supply: 120 VAC
Remarks:			

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	NA	54.0

*- The limit for 3 m test distance was calculated using the inverse square distance extrapolation factor as follows:

LimS2 = 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 emission limits outside restricted bands (above 1 GHz)

Operating frequency band, GHz	EIRP of spurious, dBm/MHz	Field strength at 3 m, dB(μV/m)
5725 - 5825	-27 (below 5.715 GHz and above 5.835 GHz) -17 (in 5.715 - 5.725 GHz and 5.825 - 5.835 GHz)	68.23 78.23

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 360^0 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 360^0, 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.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	Verdict:	PASS
Date:	3/22/2009		
Temperature: 24ºC	Air Pressure: 1013 hPa	Relative Humidity: 47 %	Power Supply: 120 VAC
Remarks:			

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

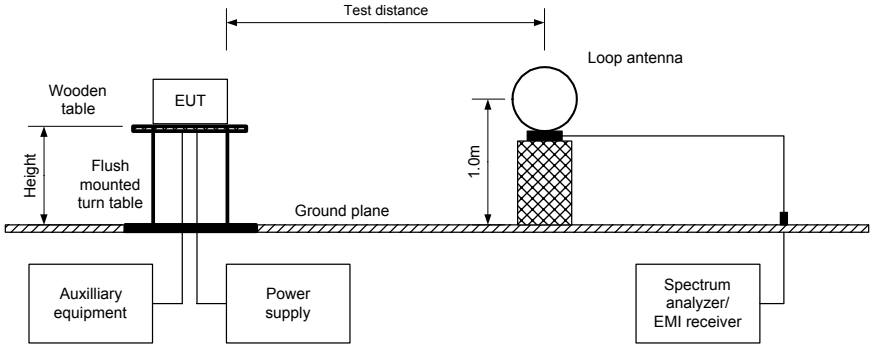
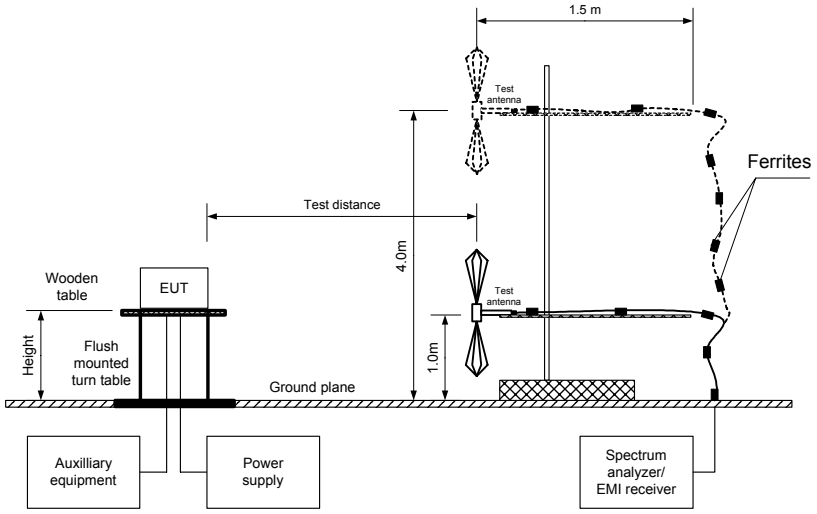


Figure 7.3.2 Setup for spurious emission field strength measurements above 30 MHz



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Table 7.3.3 Field strength of spurious emissions below 1 GHz

ASSIGNED FREQUENCY RANGE:	5725 - 5825 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*				
Low channel 5735 MHz								
37.537375	34.82	31.51	40.00	-8.49	Vertical	1.0	81	
110.810000	35.21	30.93	43.50	-12.57	Vertical	1.0	89	
Mid channel 5775 MHz								
37.537375	35.10	31.32	40.00	-8.68	Vertical	1.0	81	Pass
110.810000	35.32	30.83	43.50	-12.67	Vertical	1.0	89	
High channel 5815 MHz								
37.552500	33.03	28.76	40.00	-11.24	Vertical	1.0	81	
110.810000	35.10	30.82	43.50	-12.68	Vertical	1.0	89	

*- 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.

Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

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

ASSIGNED FREQUENCY RANGE:	5725 - 5825 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 (Power setting 19.0)
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*				
Low channel 5735 MHz										
5062.610	57.73	74.0	-16.27	44.60	54.0	-9.40	Vert	1.0	0	
11470.00	55.94	74.0	-18.06	43.13	54.0	-10.87	Vert	1.0	0	
22938.65	53.58	74.0	-20.42	37.40	54.0	-16.60	Hor	1.0	80	
Mid channel 5775 MHz										
5064.625	58.75	74.0	-15.25	45.33	54.0	-8.67	Vert	1.0	0	Pass
11549.90	57.20	74.0	-16.80	45.70	54.0	-8.30	Vert	1.0	0	
23101.05	54.50	74.0	-19.50	39.62	54.0	-14.38	Hor	1.0	90	
High channel 5815 MHz										
5062.805	57.82	74.0	-16.18	45.35	54.0	-8.65	Vert	1.0	0	
11630.00	56.11	74.0	-17.89	43.99	54.0	-10.01	Vert	1.0	0	

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

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	

Reference numbers of test equipment used

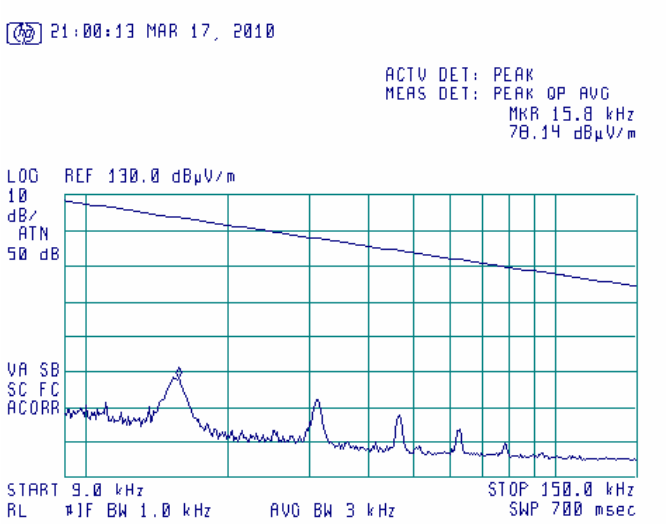
HL 0446	HL 0521	HL 0604	HL 0768	HL 0769	HL 1424	HL 1984	HL 2387
HL 2870	HL 2871	HL 2909	HL 2953	HL 3535	HL 3616	HL 3883	HL 3901

Full description is given in Appendix A.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

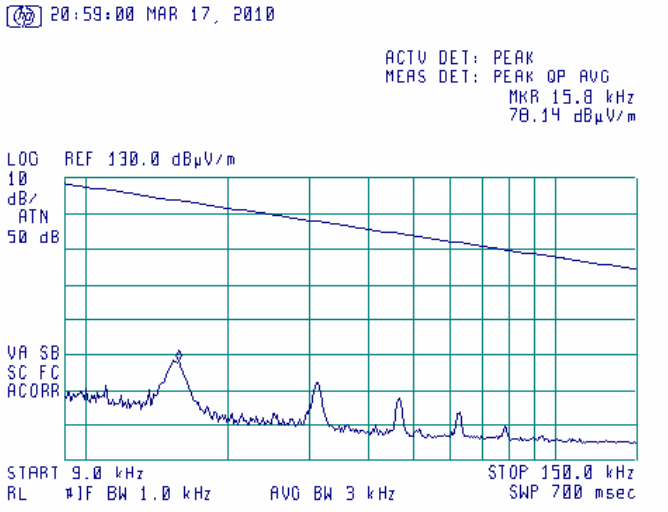
Plot 7.3.1 Radiated emission measurements from 9 to 150 kHz at the low carrier frequency

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

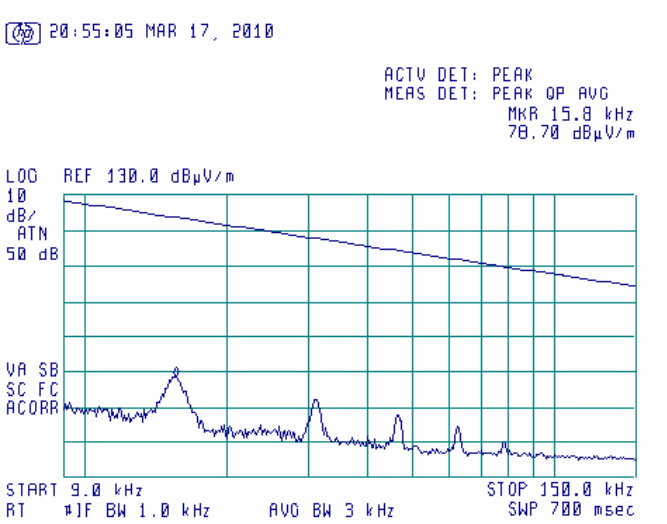
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

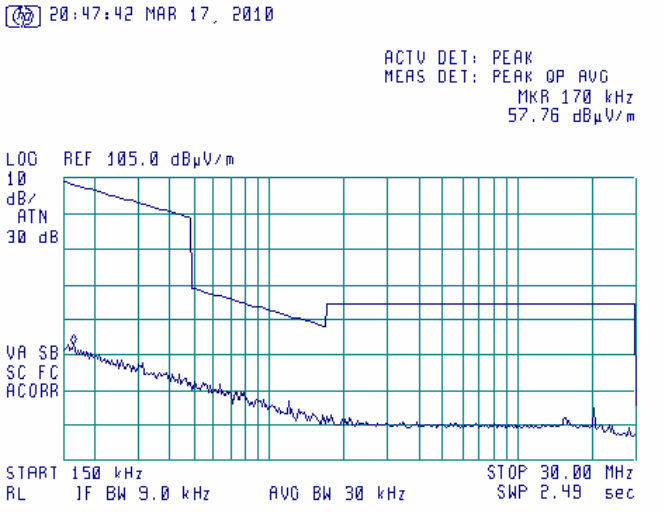
Plot 7.3.3 Radiated emission measurements from 9 to 150 kHz at the high carrier frequency

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

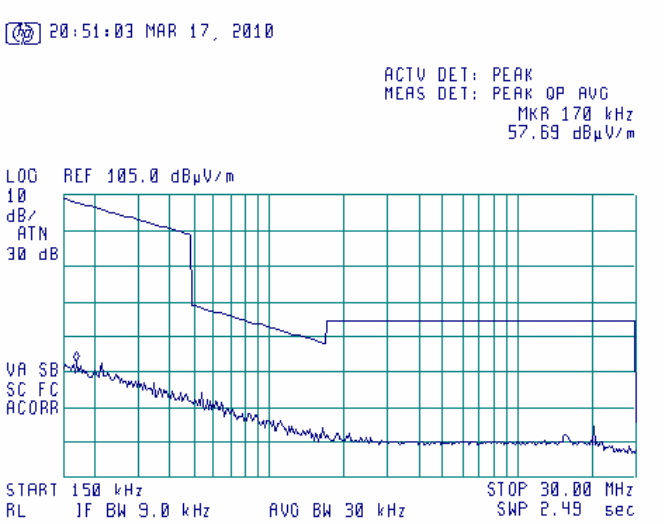
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

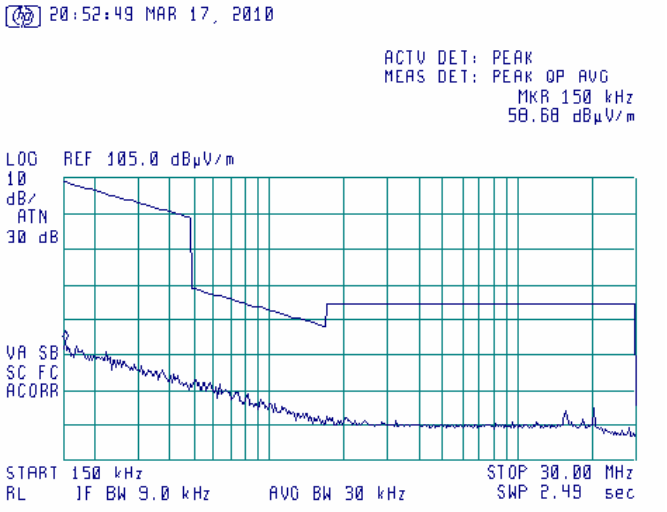
Plot 7.3.5 Radiated emission measurements from 0.15 MHz to 30 MHz at the mid carrier frequency

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

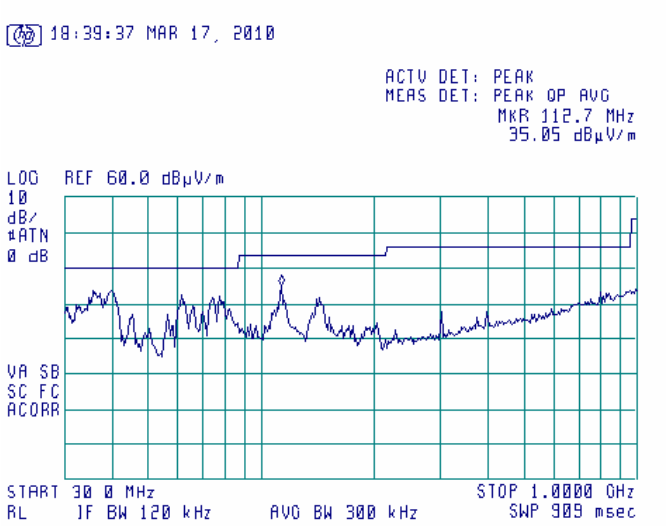
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

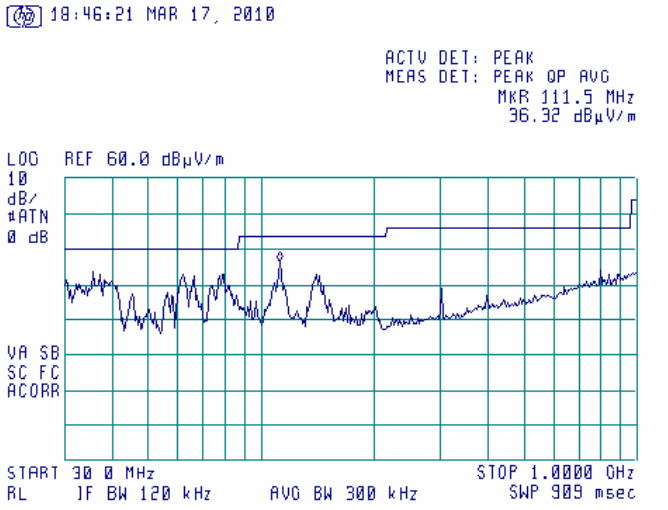
Plot 7.3.7 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

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



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

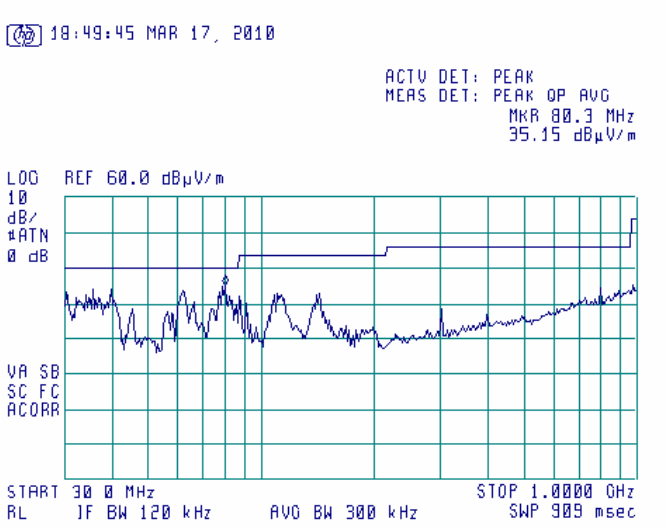
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

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

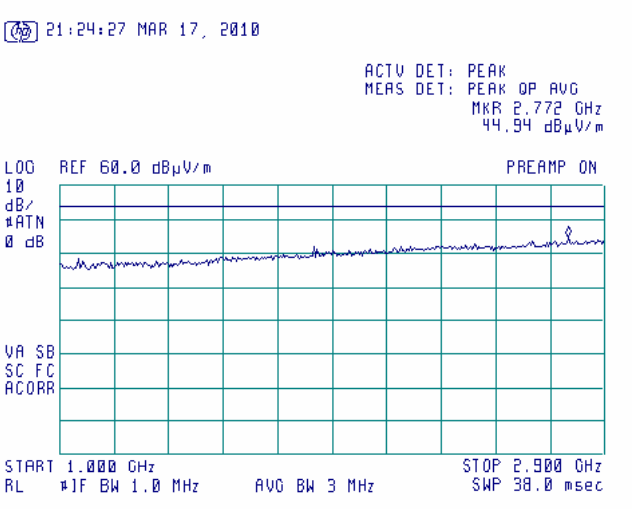
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

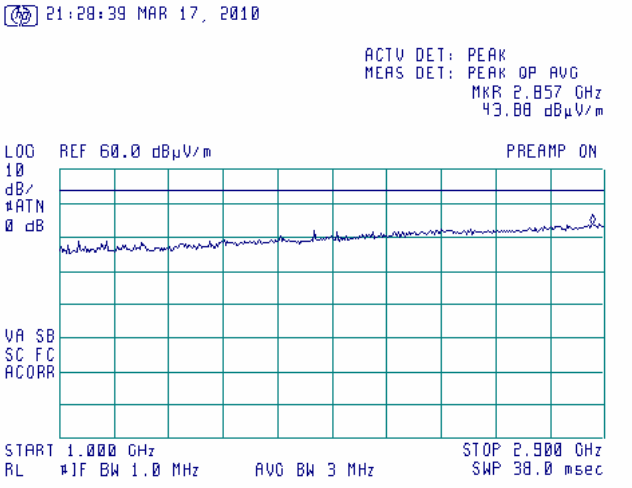
Plot 7.3.10 Radiated emission measurements from 1.0 to 2.9 GHz at the low carrier frequency

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



Plot 7.3.11 Radiated emission measurements from 1.0 to 2.9 GHz at the mid carrier frequency

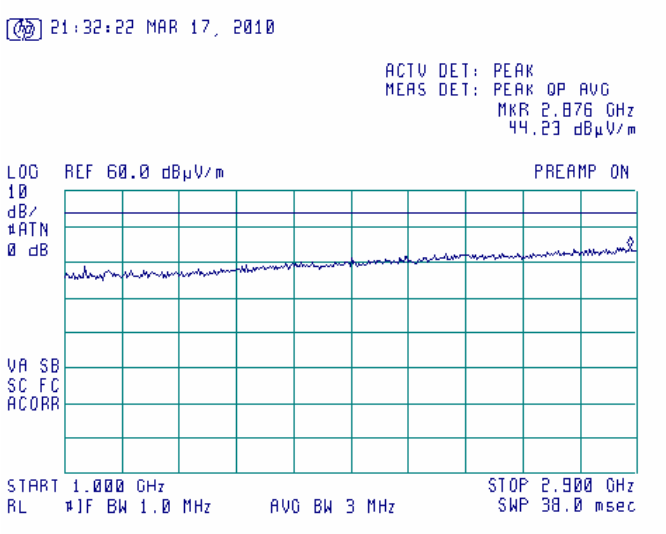
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.12 Radiated emission measurements from 1.0 to 2.9 GHz at the high carrier frequency

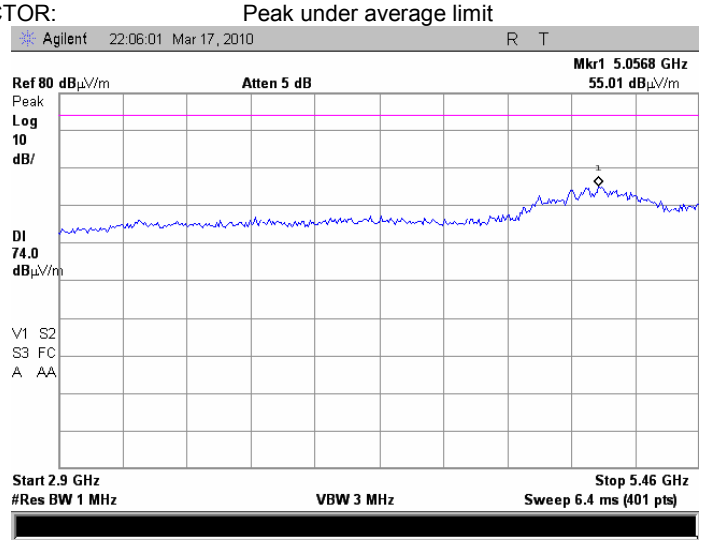
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	Verdict:	PASS
Date:	3/22/2009		
Temperature: 24ºC	Air Pressure: 1013 hPa	Relative Humidity: 47 %	Power Supply: 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

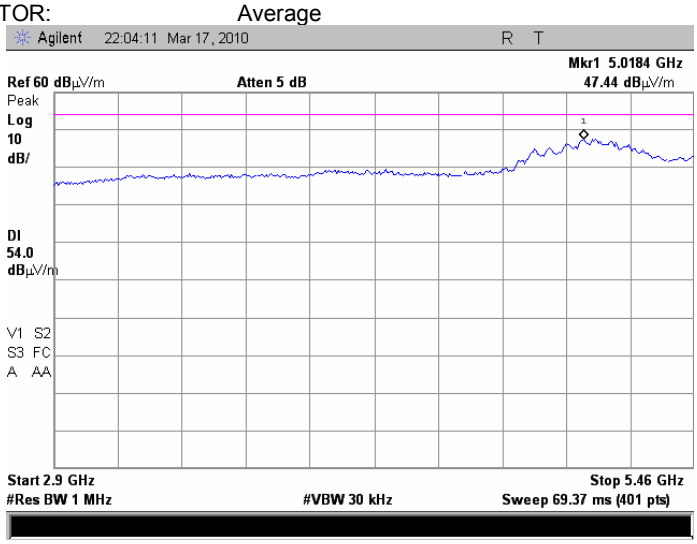
Plot 7.3.13 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

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



Plot 7.3.14 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

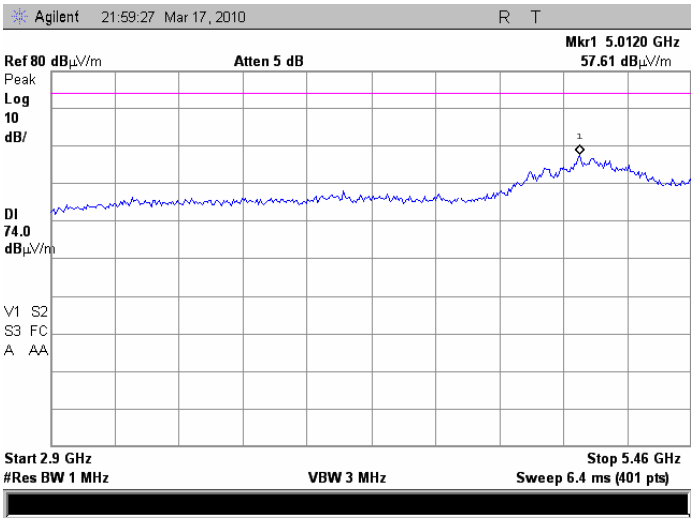
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

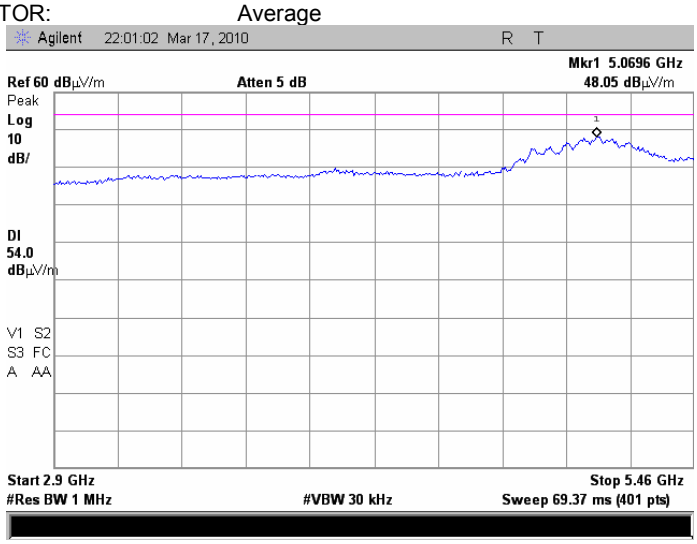
Plot 7.3.15 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

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



Plot 7.3.16 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

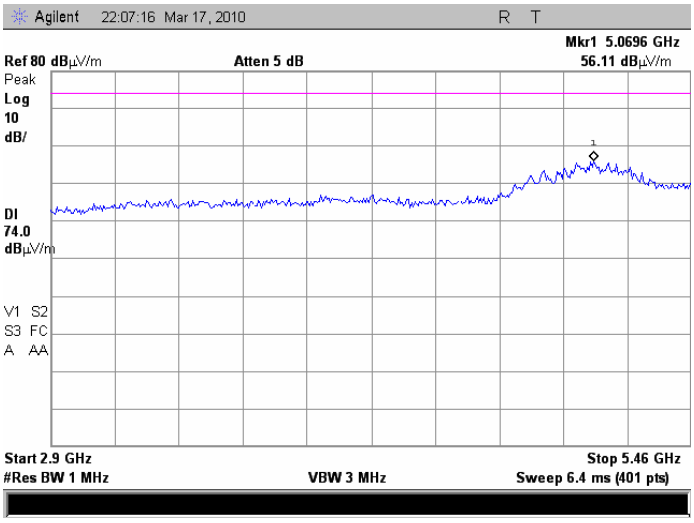
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

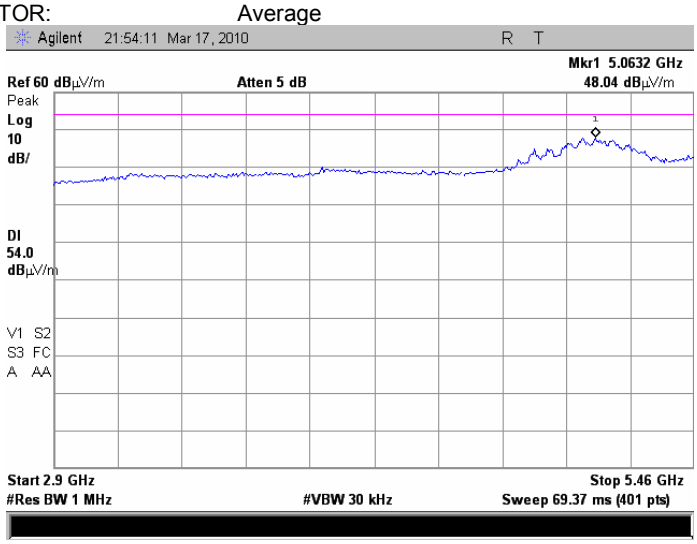
Plot 7.3.17 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

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



Plot 7.3.18 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

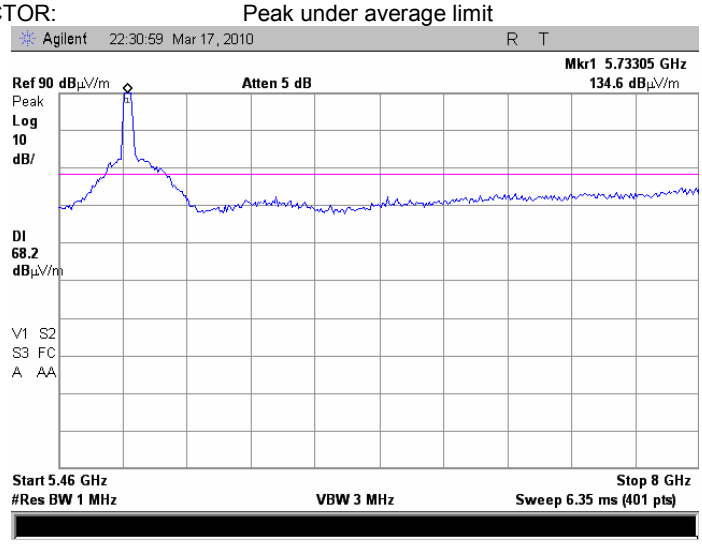
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

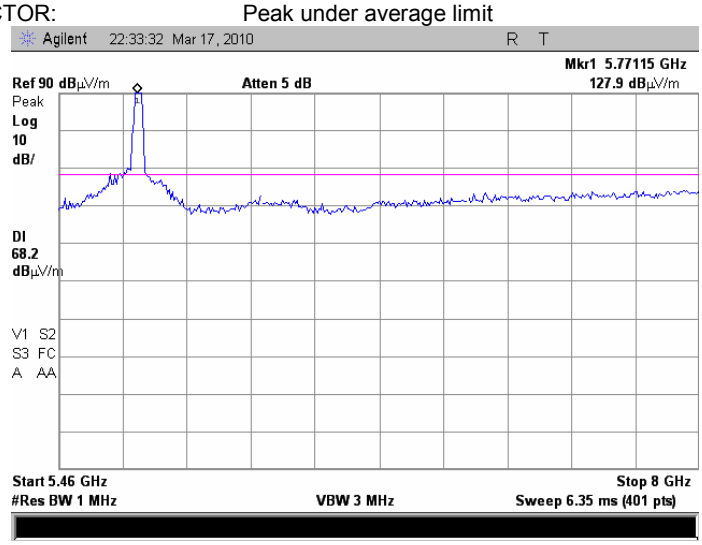
Plot 7.3.19 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

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



Plot 7.3.20 Radiated emission measurements from 5.46 to 8 GHz at the mid carrier frequency

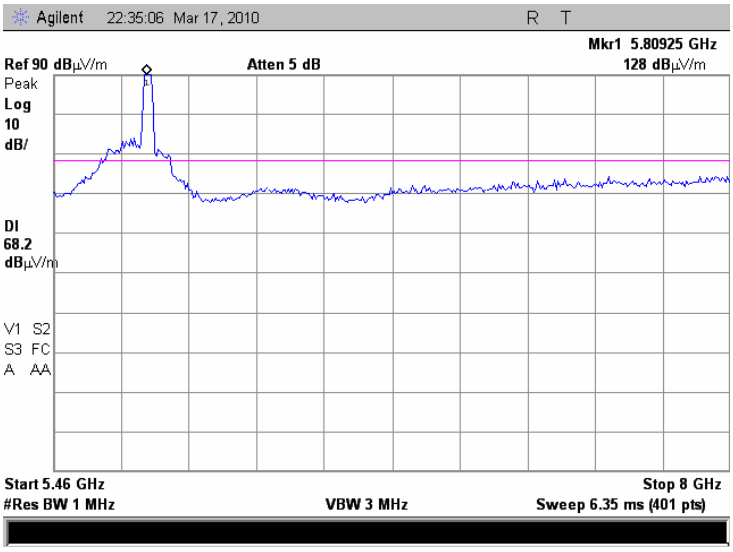
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.21 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency

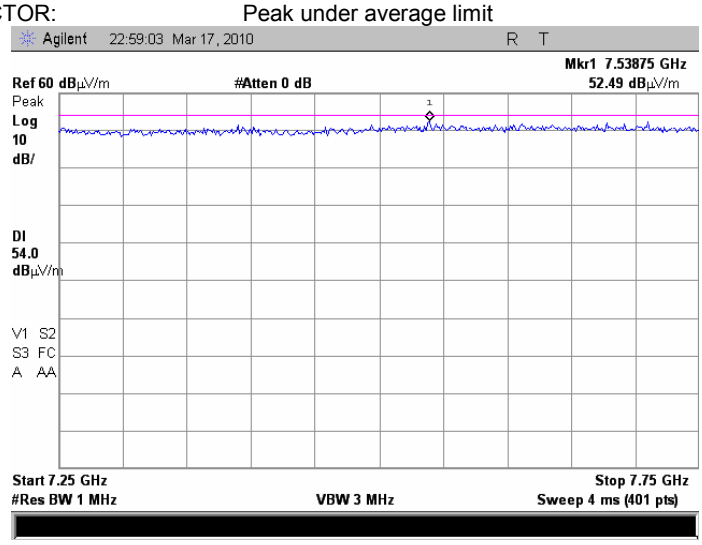
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

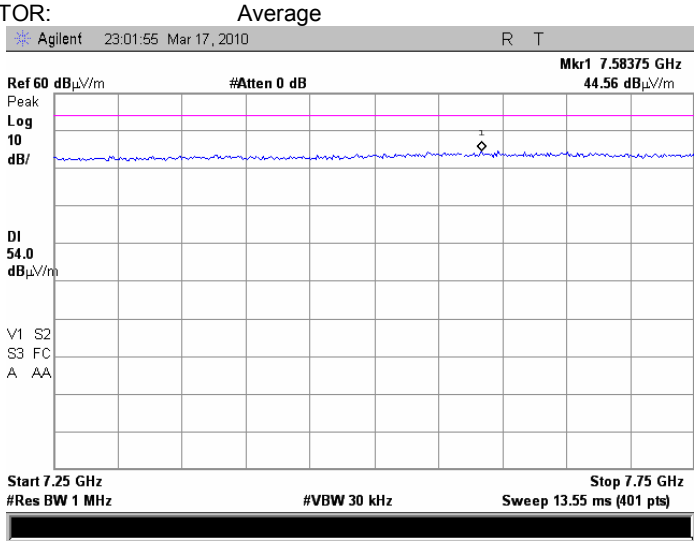
Plot 7.3.22 Radiated emission measurements from 7.25 to 7.75 GHz at the low carrier frequency

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 7.25 to 7.75 GHz at the low carrier frequency

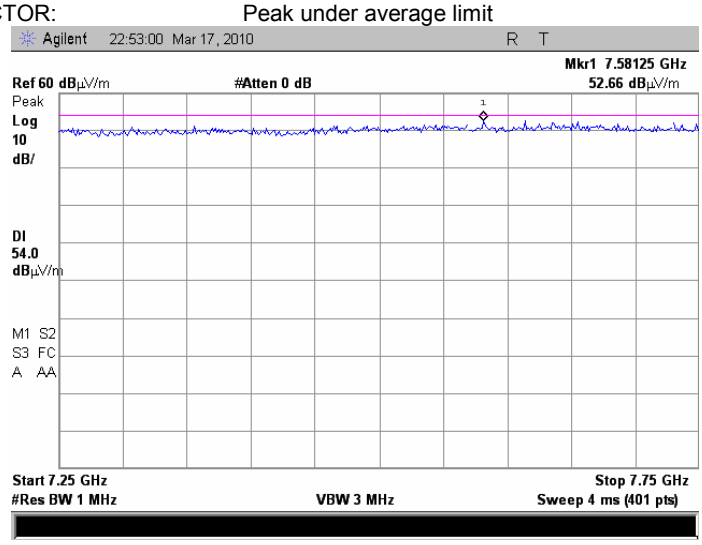
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

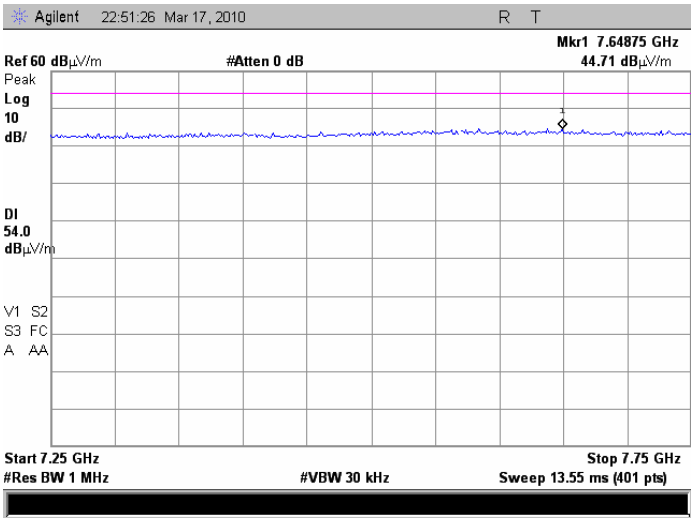
Plot 7.3.24 Radiated emission measurements from 7.25 to 7.75 GHz at the mid carrier frequency

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



Plot 7.3.25 Radiated emission measurements from 7.25 to 7.75 GHz at the mid carrier frequency

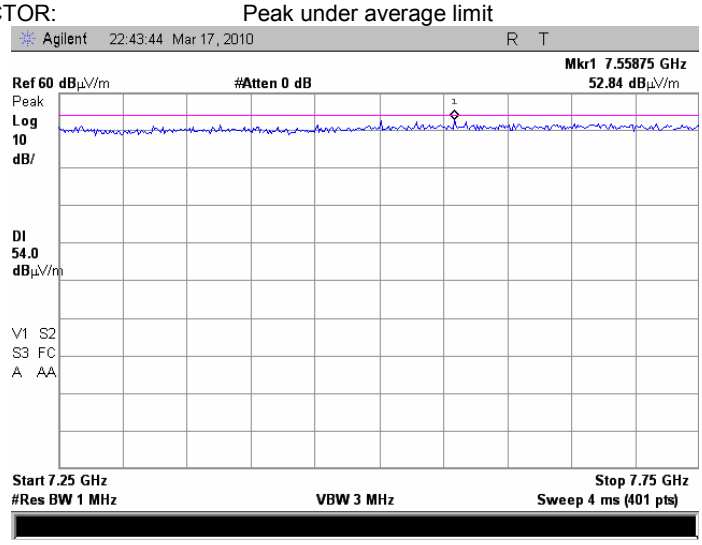
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

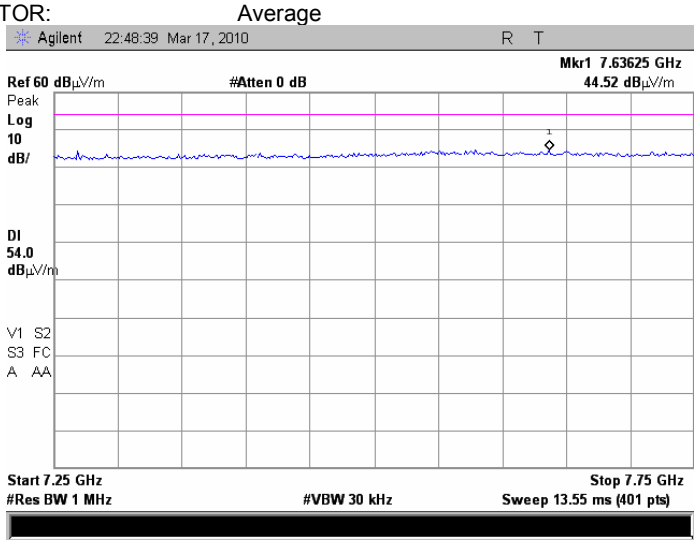
Plot 7.3.26 Radiated emission measurements from 7.25 to 7.75 GHz at the high carrier frequency

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



Plot 7.3.27 Radiated emission measurements from 7.25 to 7.75 GHz at the high carrier frequency

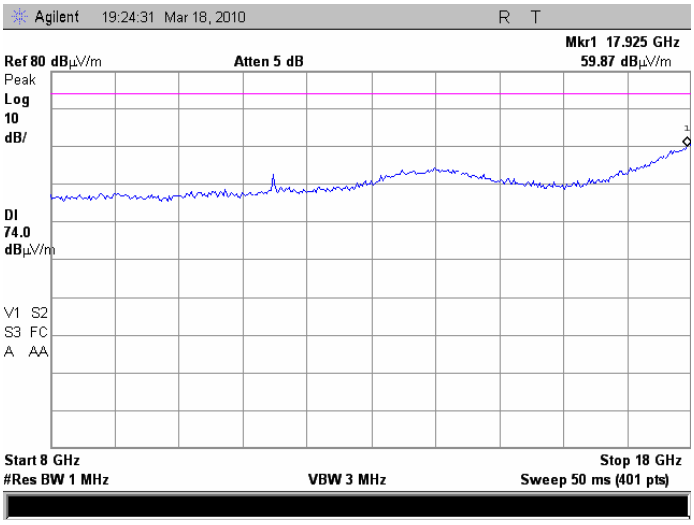
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

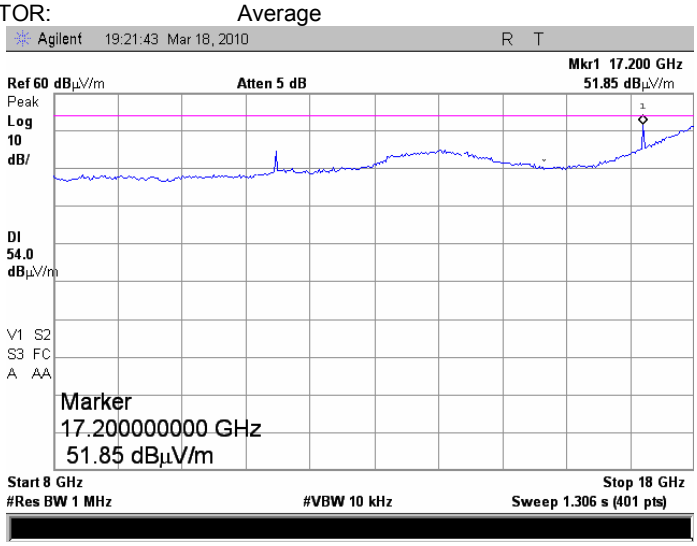
Plot 7.3.28 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

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



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

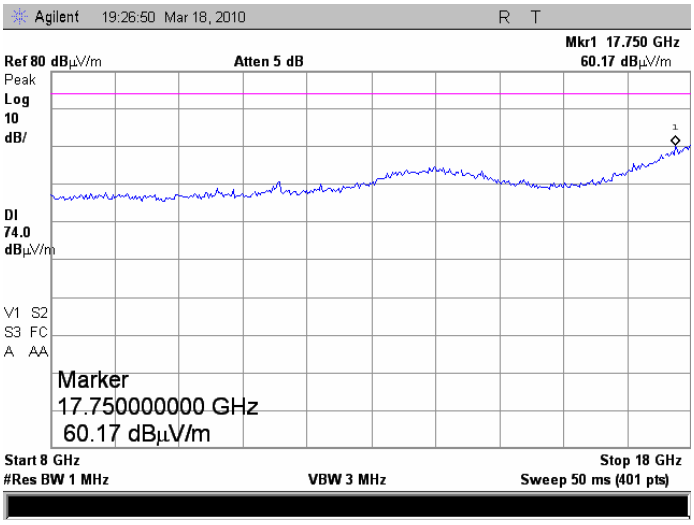
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

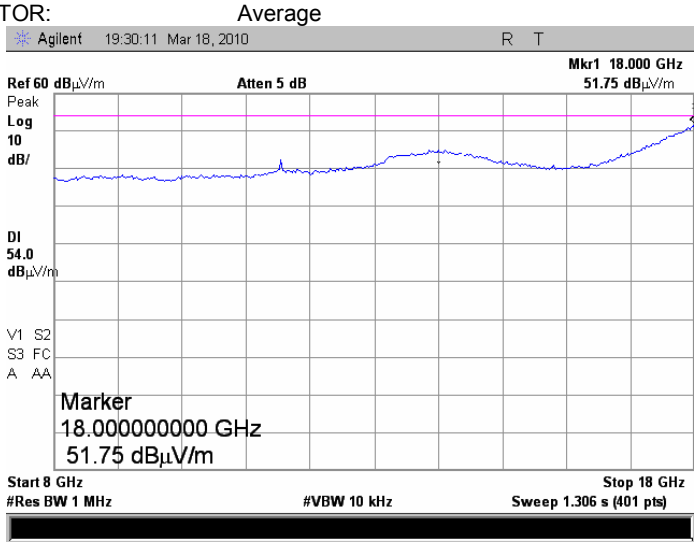
Plot 7.3.30 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

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



Plot 7.3.31 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

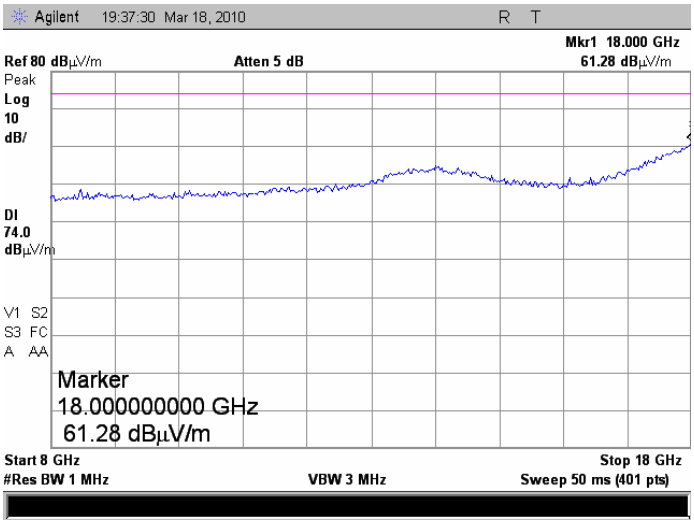
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

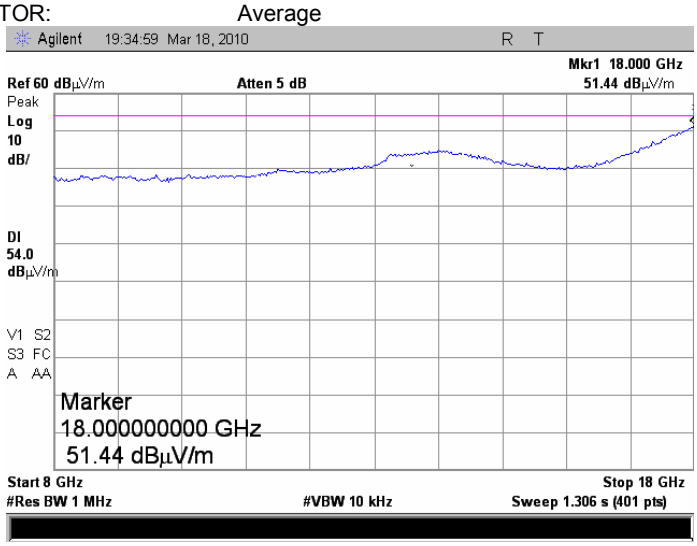
Plot 7.3.32 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

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



Plot 7.3.33 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

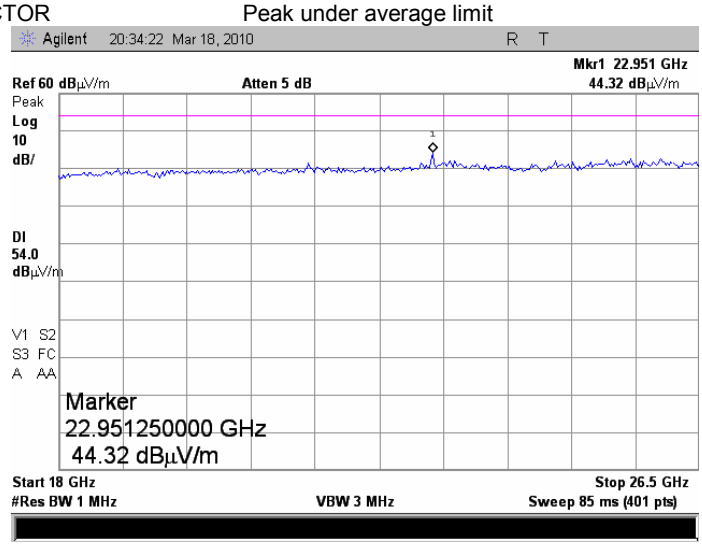
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

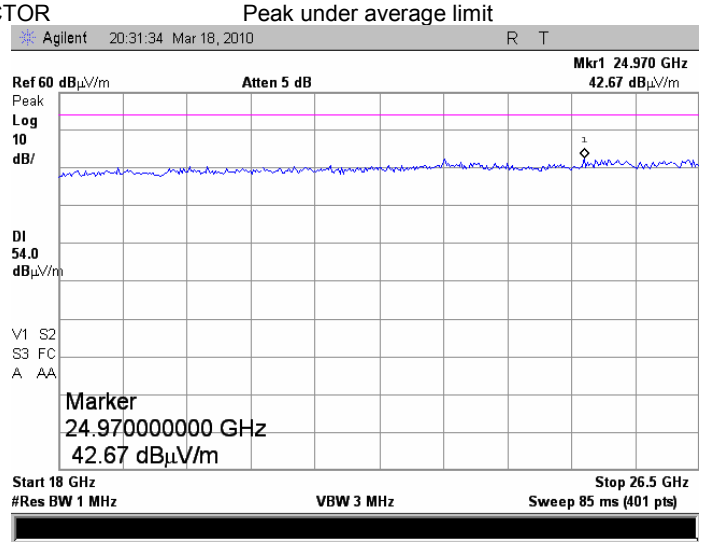
Plot 7.3.34 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

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



Plot 7.3.35 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

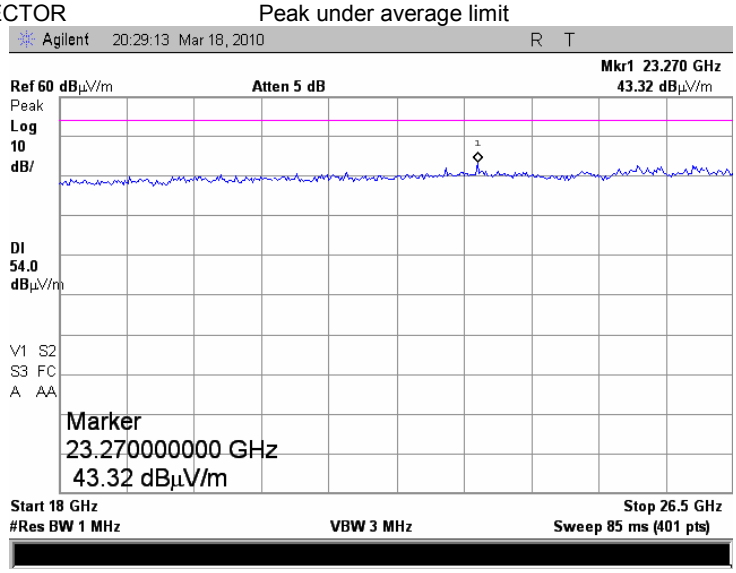
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.36 Radiated emission measurements from 18 to 26.5 GHz at the high carrier frequency

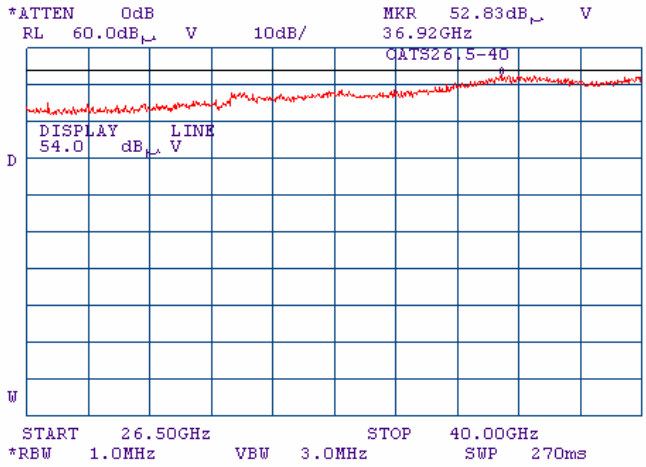
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

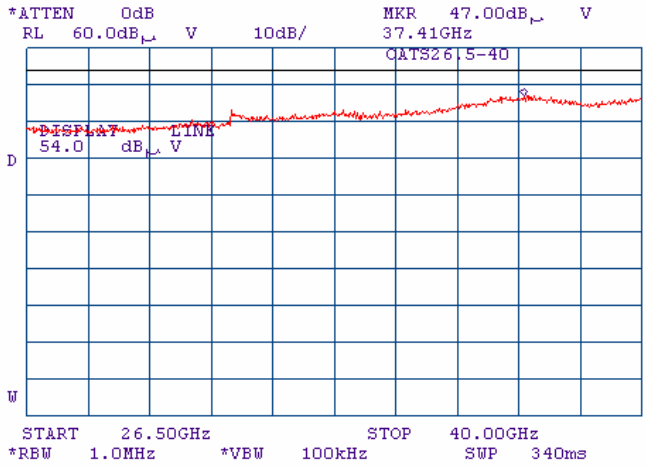
Plot 7.3.37 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

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



Plot 7.3.38 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

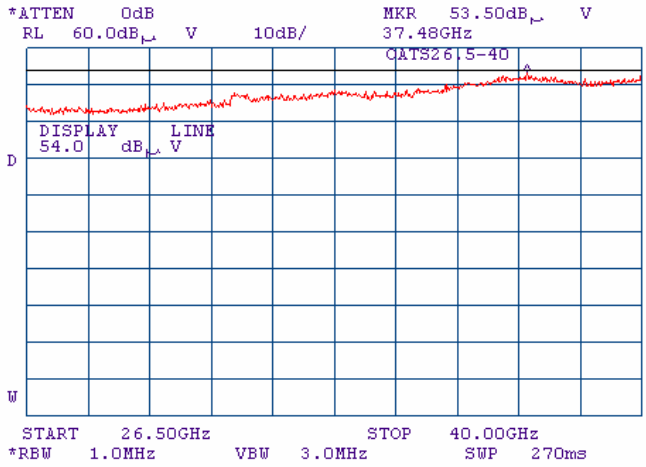
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

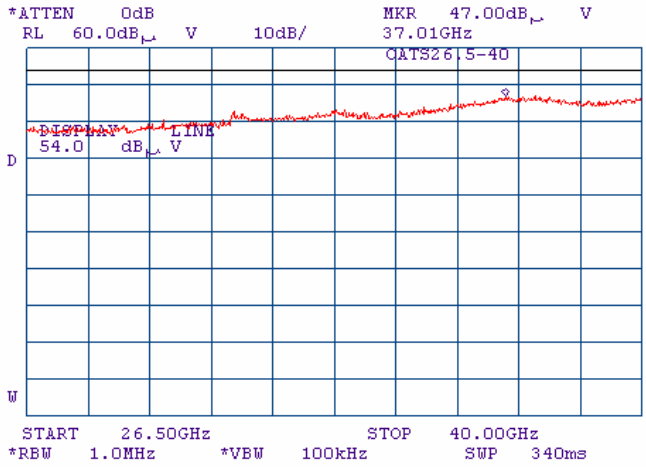
Plot 7.3.39 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

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



Plot 7.3.40 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

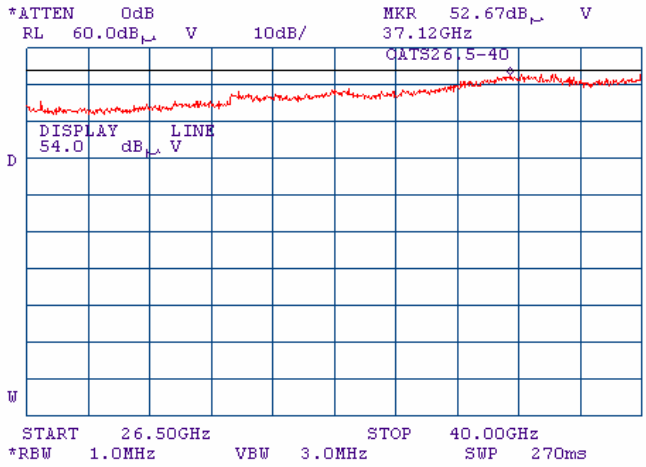
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

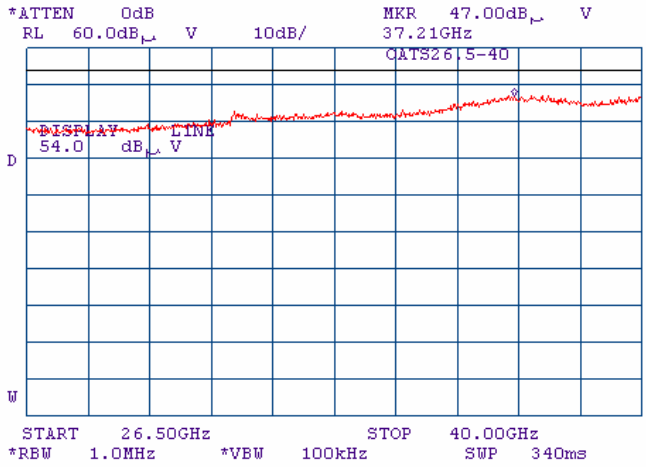
Plot 7.3.41 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency

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



Plot 7.3.42 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency

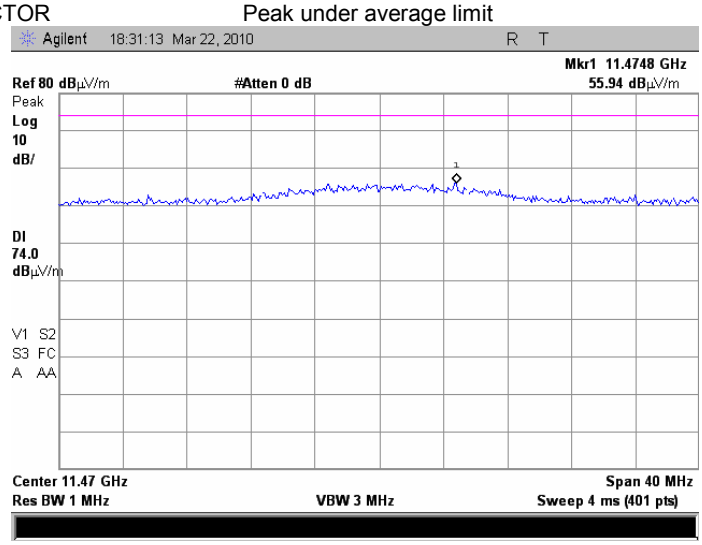
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

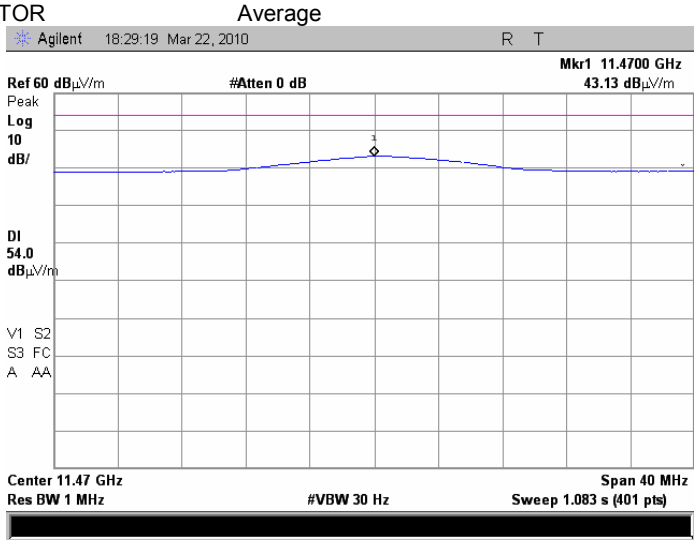
Plot 7.3.43 Radiated emission measurements at the second harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.44 Radiated emission measurements at the second harmonic of low carrier frequency

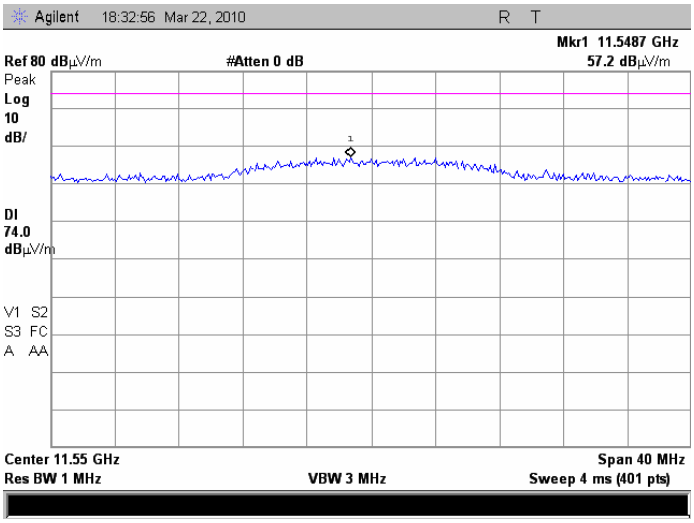
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

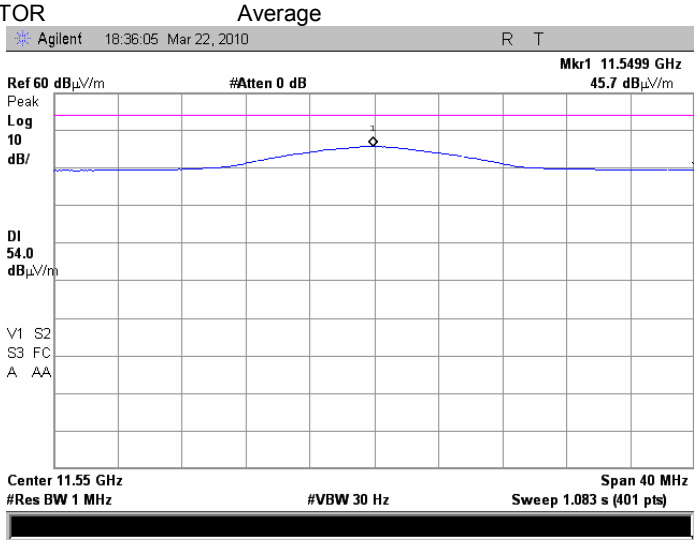
Plot 7.3.45 Radiated emission measurements at the second harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak



Plot 7.3.46 Radiated emission measurements at the second harmonic of the mid carrier frequency

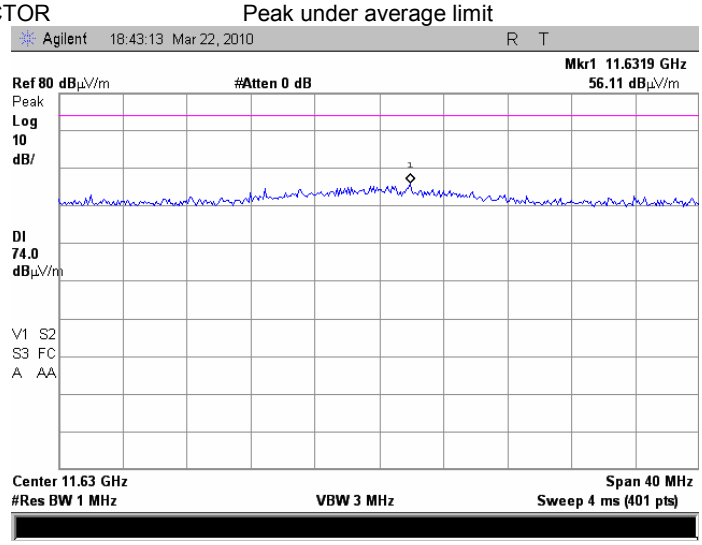
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

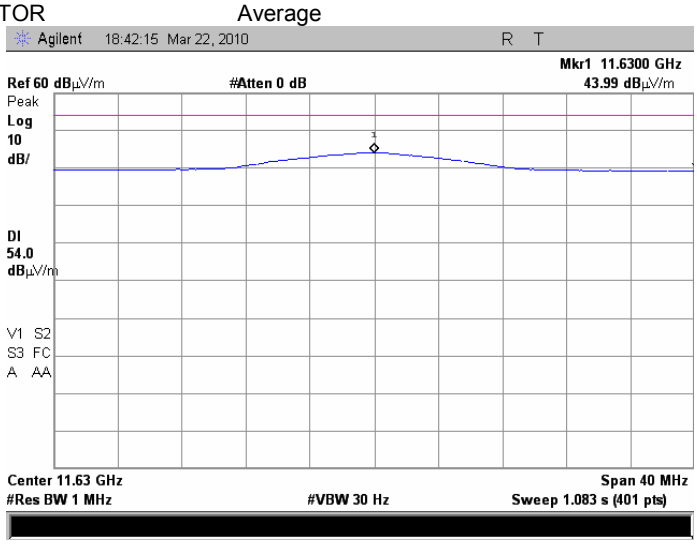
Plot 7.3.47 Radiated emission measurements at the second harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.48 Radiated emission measurements at the second harmonic of high carrier frequency

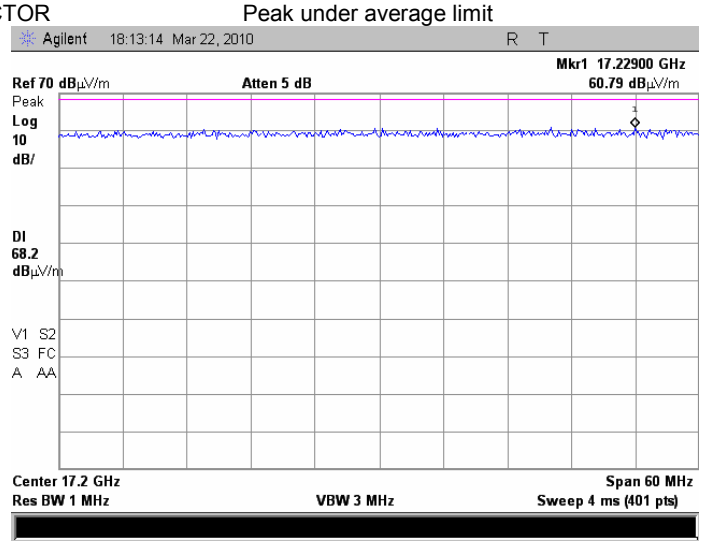
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

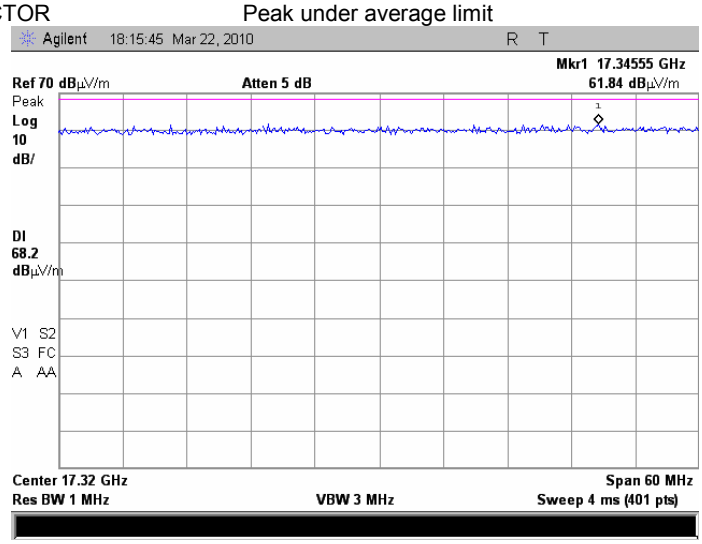
Plot 7.3.49 Radiated emission measurements at third harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.50 Radiated emission measurements at the third harmonic of the mid carrier frequency

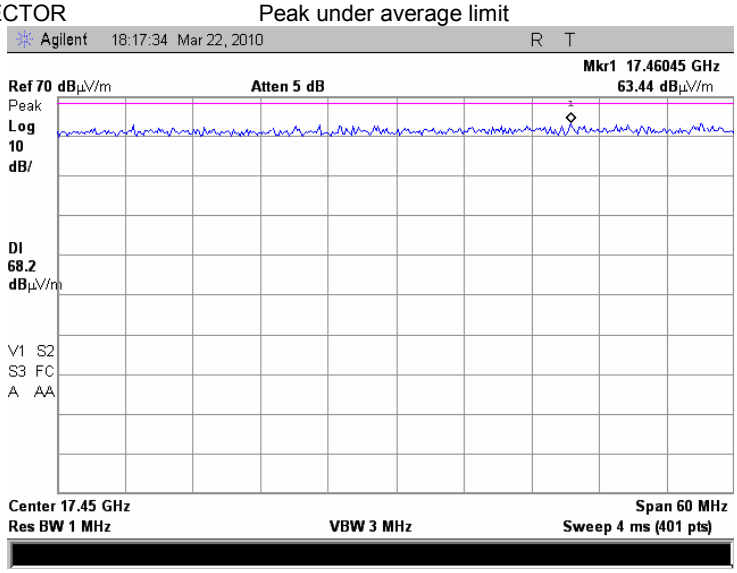
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.51 Radiated emission measurements at the third harmonic of high carrier frequency

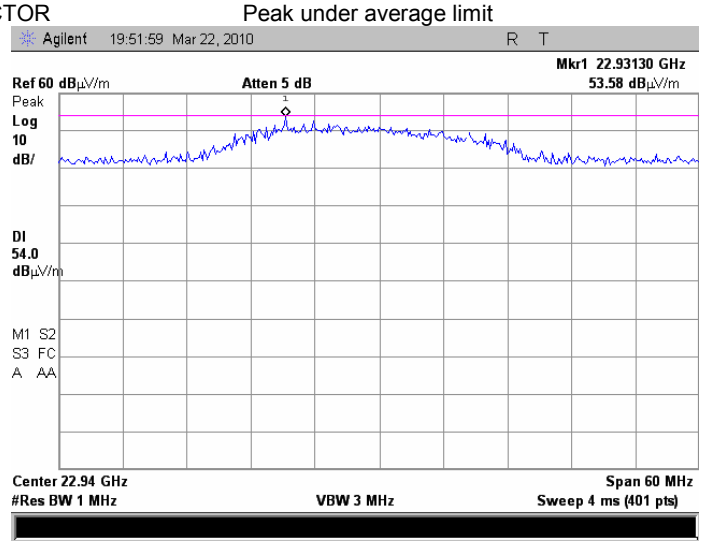
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

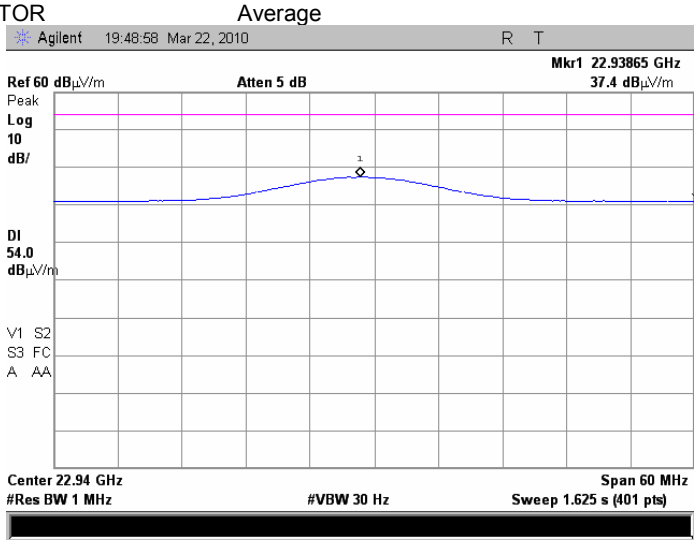
Plot 7.3.52 Radiated emission measurements at the forth harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.53 Radiated emission measurements at the forth harmonic of low carrier frequency

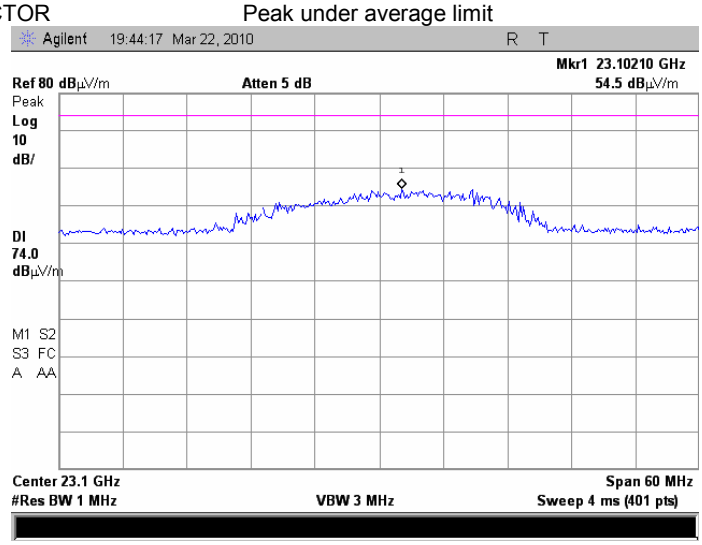
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

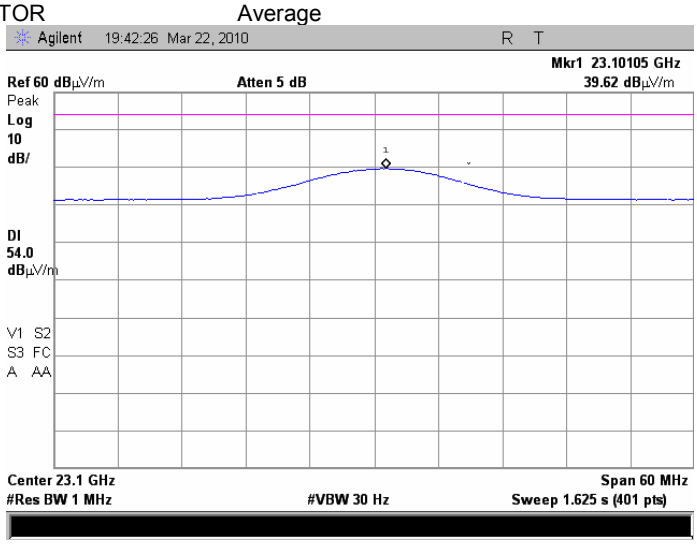
Plot 7.3.54 Radiated emission measurements at the forth harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.55 Radiated emission measurements at the forth harmonic of the mid carrier frequency

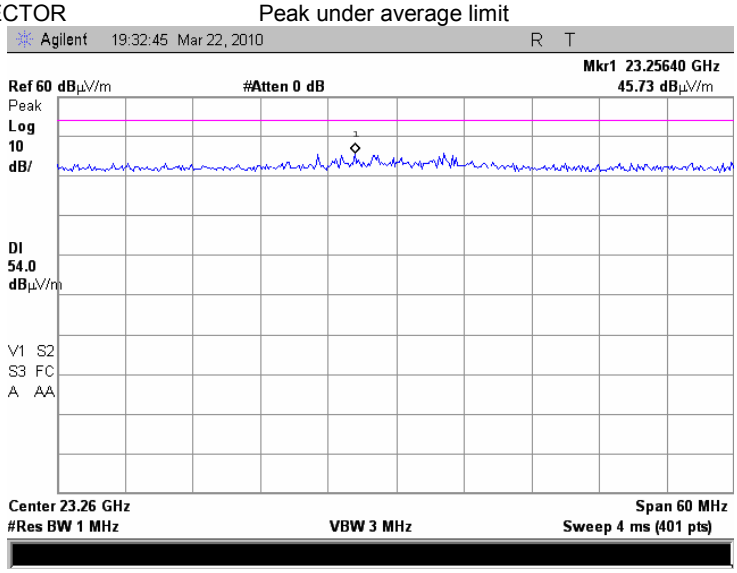
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 22.5 dBi antenna assembly gain			

Plot 7.3.56 Radiated emission measurements at the forth harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.3.6 Field strength of spurious emissions below 1 GHz within restricted bands

ASSIGNED FREQUENCY RANGE:	5725 - 5825 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 (Power setting 16.0)
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)

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*				
Low channel 5735 MHz								
37.551000	26.12	22.57	40.00	-17.43	Vertical	1.0	81	
110.775850	31.78	27.08	43.50	-16.42	Vertical	1.0	87	
170.274650	26.17	22.38	43.50	-21.12	Vertical	1.0	89	
Mid channel 5775 MHz								
37.542375	27.20	23.88	40.00	-16.12	Vertical	1.0	81	Pass
110.775850	31.73	27.12	43.50	-16.38	Vertical	1.0	87	
170.274650	26.80	22.45	43.50	-21.05	Vertical	1.0	89	
High channel 5815 MHz								
37.542375	27.38	23.65	40.00	-16.35	Vertical	1.0	81	
110.775850	31.37	27.14	43.50	-16.36	Vertical	1.0	87	
170.274650	26.61	22.45	43.50	-21.05	Vertical	1.0	89	

*- 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.

Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Table 7.3.7 Field strength of spurious emissions above 1 GHz within restricted bands

ASSIGNED FREQUENCY RANGE:	5725 - 5825 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*				
Low channel 5735 MHz										
5031.260	59.10	74.0	-14.90	46.00	54.0	-8.00	Vertical	1.0	0	
11470.30	59.37	74.0	-14.63	47.17	54.0	-6.83	Vertical	1.0	0	
22927.60	63.10	74.0	-10.90	46.24	54.0	-7.76	Vertical	1.1	0	
Mid channel 5775 MHz										
5029.955	58.90	74.0	-15.10	46.10	54.0	-7.90	Vertical	1.0	0	Pass
11549.90	54.51	74.0	-19.49	45.62	54.0	-8.38	Vertical	1.0	0	
23100.45	61.62	74.0	-12.38	45.88	54.0	-8.12	Horizon.	1.0	0	
High channel 5815 MHz										
5029.705	59.30	74.0	-14.70	46.00	54.0	-8.00	Vertical	1.0	0	
11629.90	54.04	74.0	-19.96	41.71	54.0	-12.29	Vertical	1.0	0	

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

Table 7.3.8 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	

Reference numbers of test equipment used

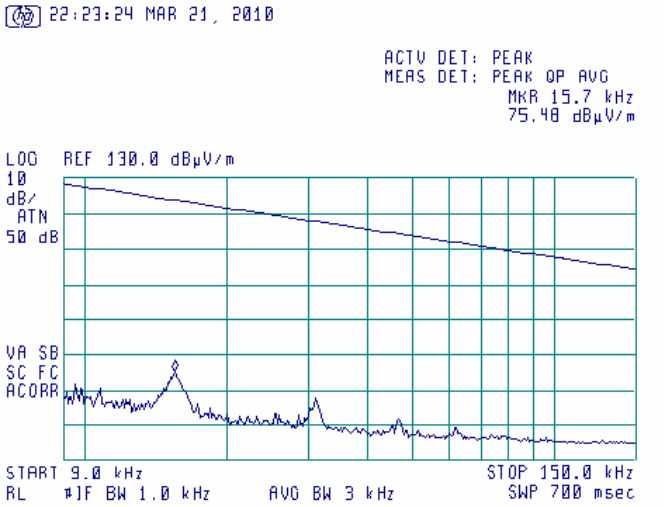
HL 0446	HL 0521	HL 0604	HL 0768	HL 0769	HL 1424	HL 1984	HL 2387
HL 2870	HL 2871	HL 2909	HL 2953	HL 3535	HL 3616	HL 3883	HL 3901

Full description is given in Appendix A.

Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

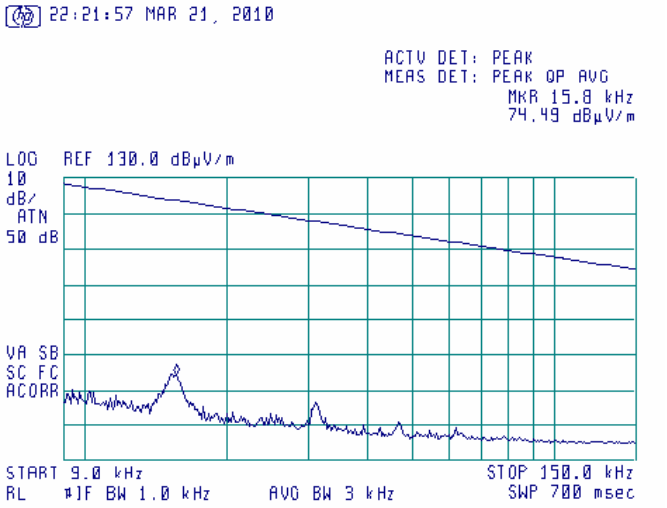
Plot 7.3.57 Radiated emission measurements from 9 to 150 kHz at the low carrier frequency

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



Plot 7.3.58 Radiated emission measurements from 9 to 150 kHz at the mid carrier frequency

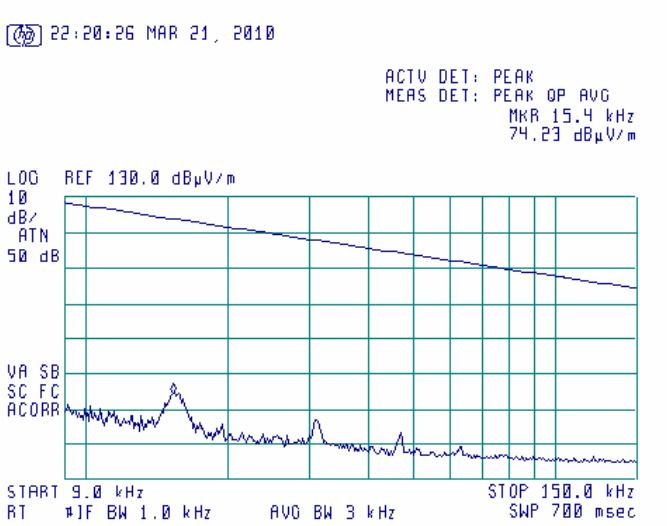
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

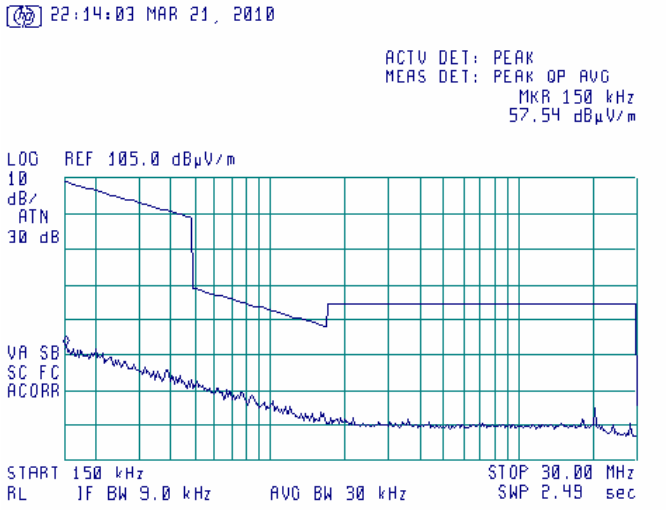
Plot 7.3.59 Radiated emission measurements from 9 to 150 kHz at the high carrier frequency

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



Plot 7.3.60 Radiated emission measurements from 0.15 MHz to 30 MHz at the low carrier frequency

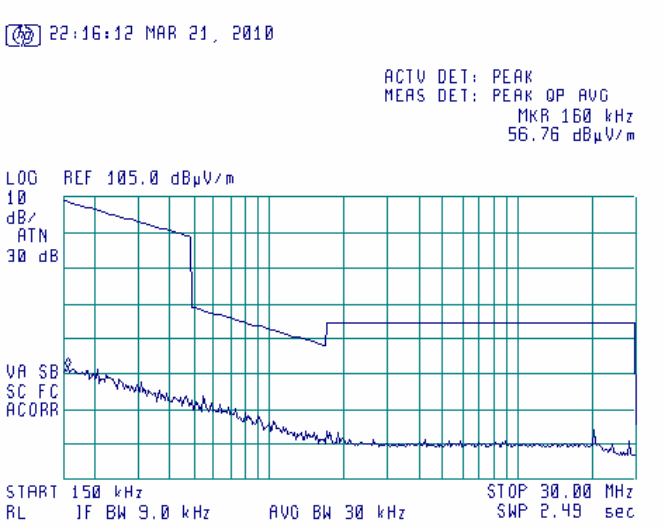
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

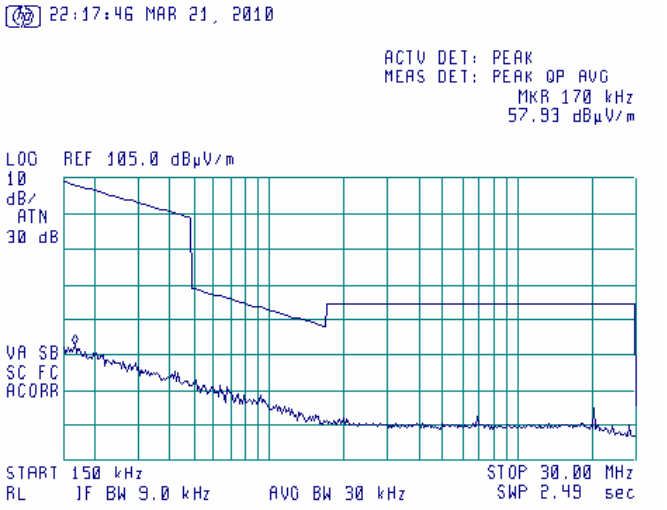
Plot 7.3.61 Radiated emission measurements from 0.15 MHz to 30 MHz at the mid carrier frequency

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



Plot 7.3.62 Radiated emission measurements from 0.15 MHz to 30 MHz at the high carrier frequency

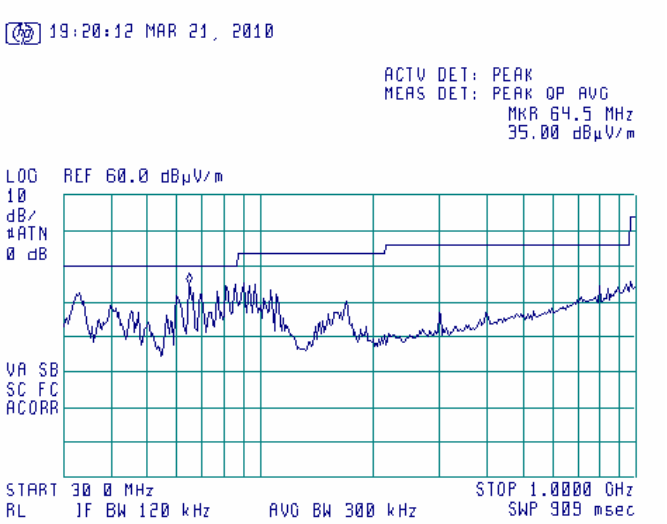
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

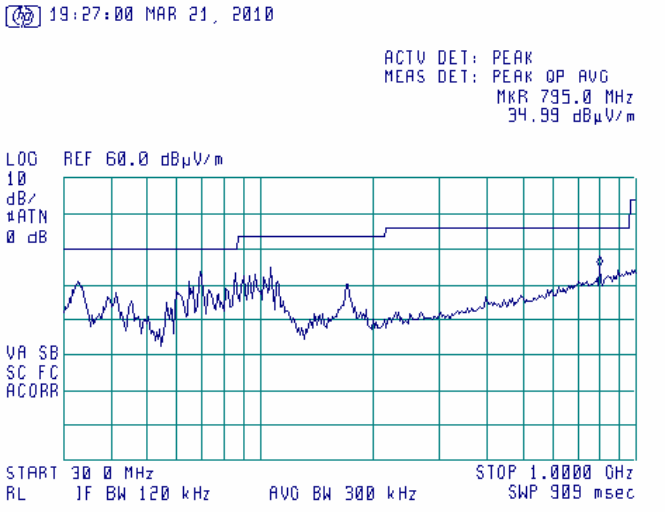
Plot 7.3.63 Radiated emission measurements from 30 MHz to 1000 MHz at the low carrier frequency

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



Plot 7.3.64 Radiated emission measurements from 30 MHz to 1000 MHz at the mid carrier frequency

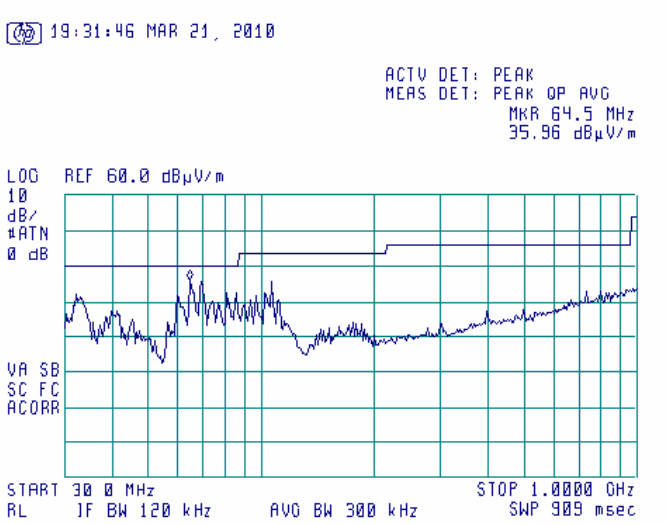
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

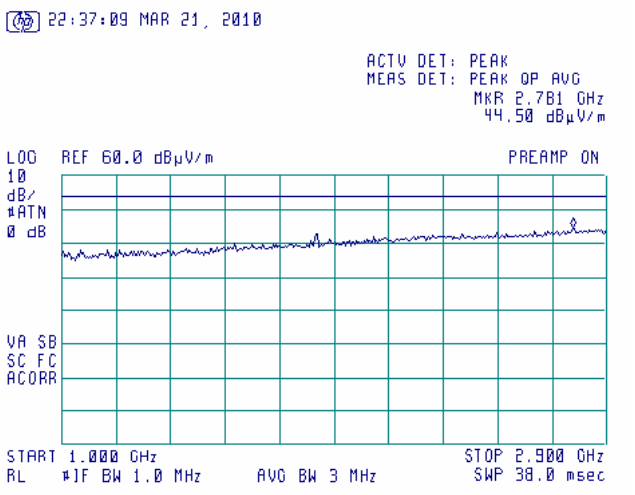
Plot 7.3.65 Radiated emission measurements from 30 MHz to 1000 MHz at the high carrier frequency

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



Plot 7.3.66 Radiated emission measurements from 1.0 to 2.9 GHz at the low carrier frequency

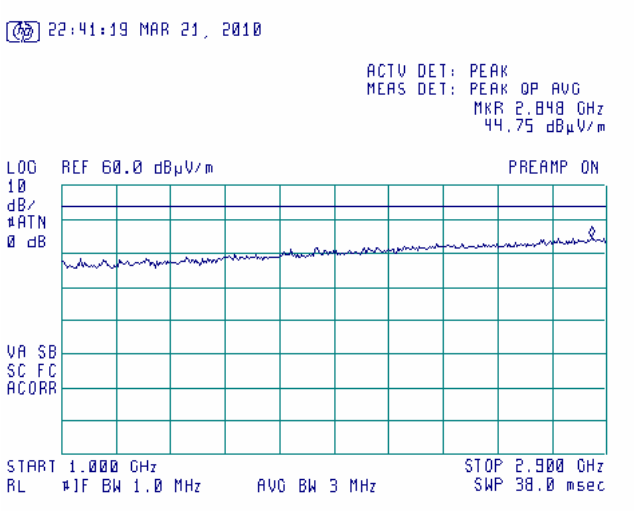
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

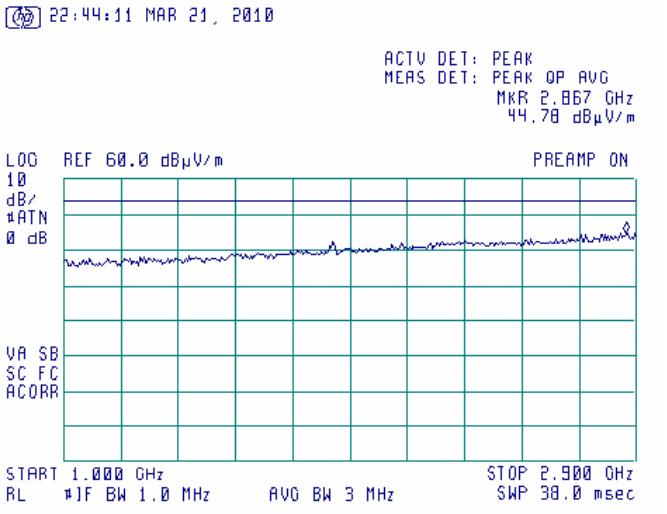
Plot 7.3.67 Radiated emission measurements from 1.0 to 2.9 GHz at the mid carrier frequency

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



Plot 7.3.68 Radiated emission measurements from 1.0 to 2.9 GHz at the high carrier frequency

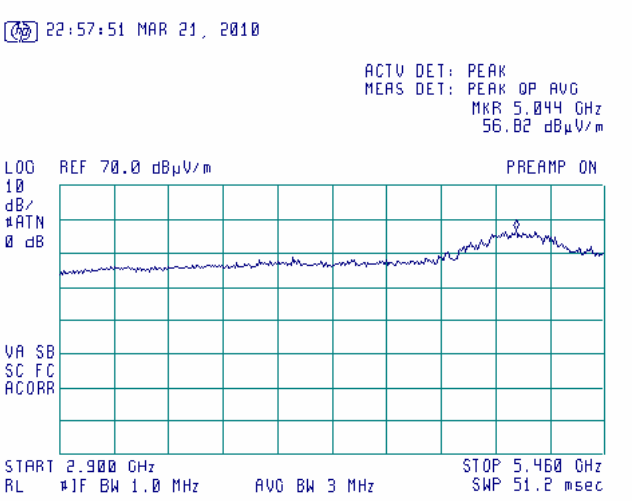
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.69 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

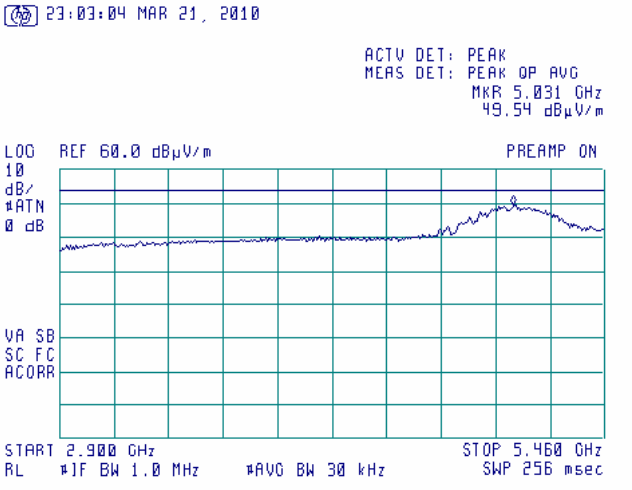
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Note: Shall be applied limit 74.0 dBuV

Plot 7.3.70 Radiated emission measurements from 2.9 to 5.46 GHz at the low carrier frequency

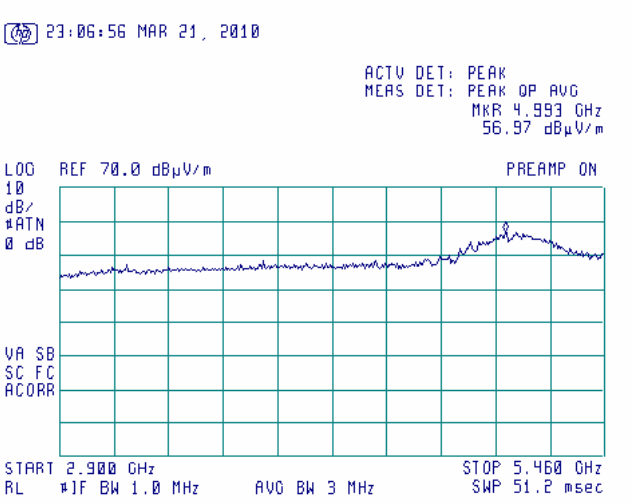
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.71 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

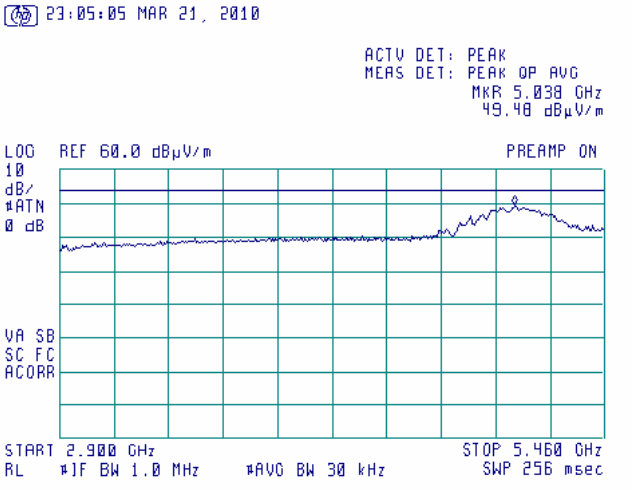
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Note: Shall be applied limit 74.0 dBuV

Plot 7.3.72 Radiated emission measurements from 2.9 to 5.46 GHz at the mid carrier frequency

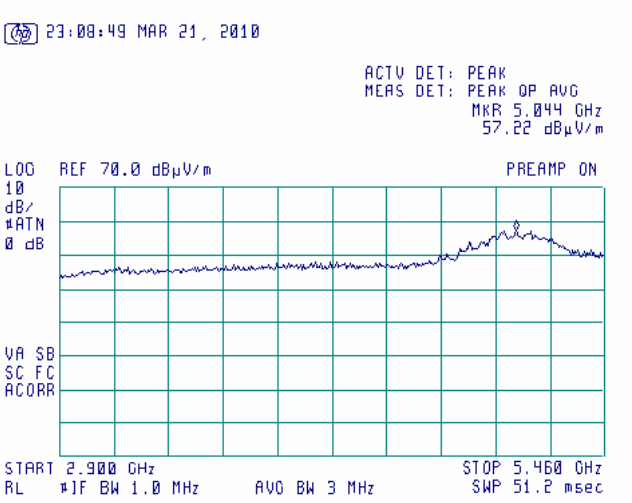
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.73 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

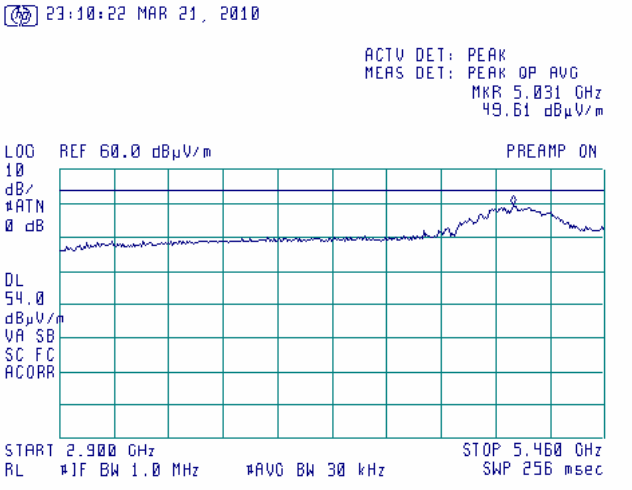
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Note: Shall be applied limit 74.0 dBuV

Plot 7.3.74 Radiated emission measurements from 2.9 to 5.46 GHz at the high carrier frequency

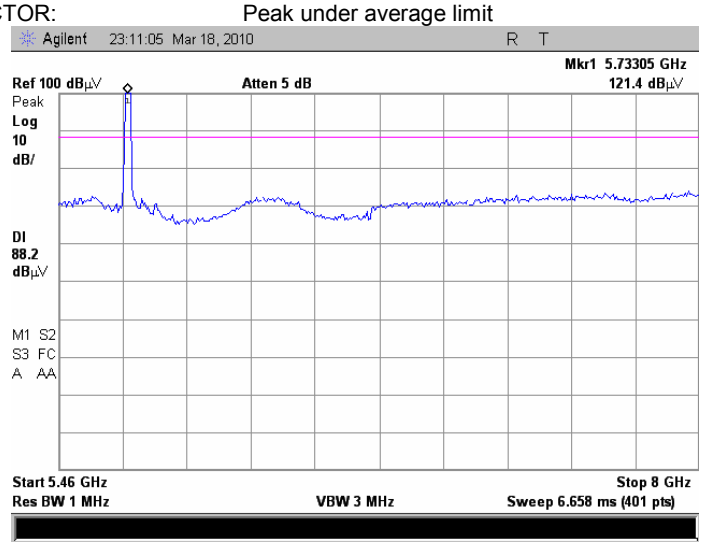
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

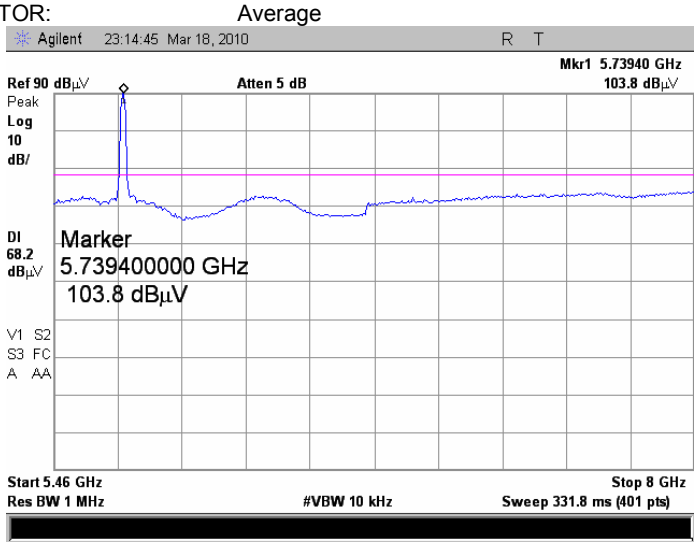
Plot 7.3.75 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

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



Plot 7.3.76 Radiated emission measurements from 5.46 to 8 GHz at the low carrier frequency

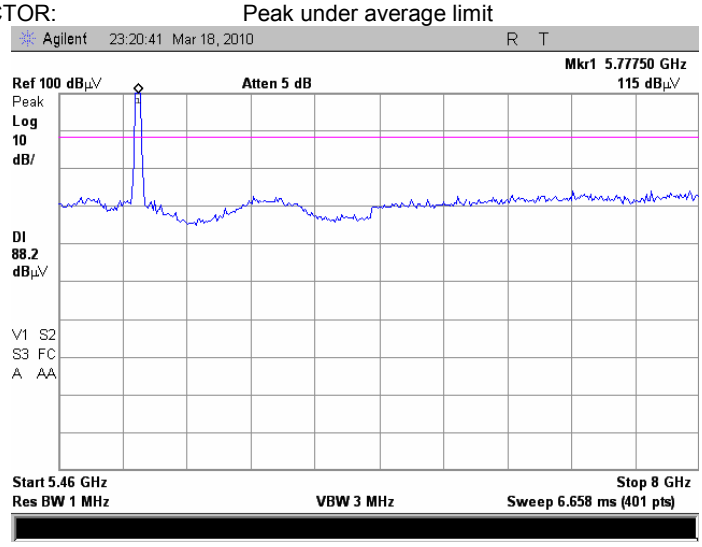
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

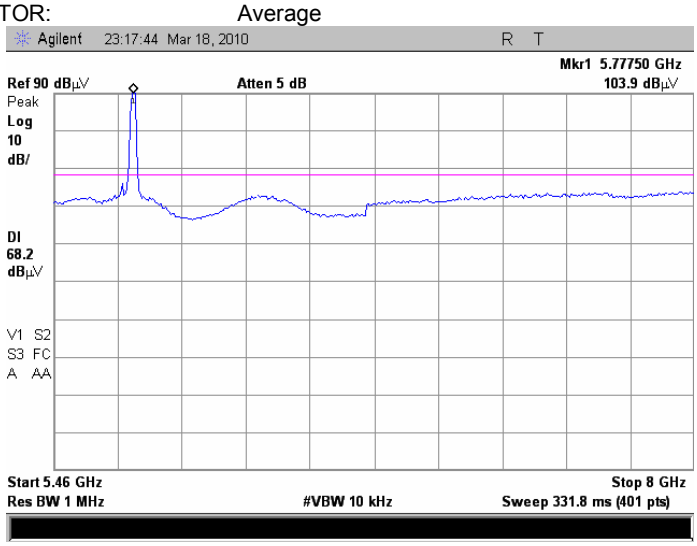
Plot 7.3.77 Radiated emission measurements from 2.9 to 8 GHz at the mid carrier frequency

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



Plot 7.3.78 Radiated emission measurements from 2.9 to 8 GHz at the mid carrier frequency

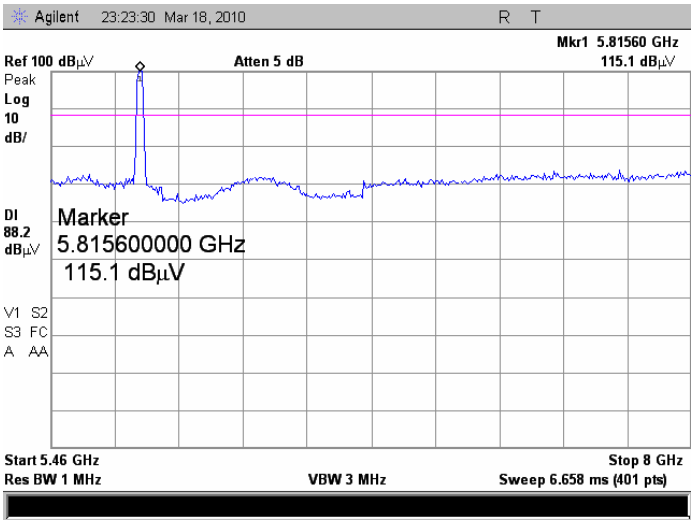
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

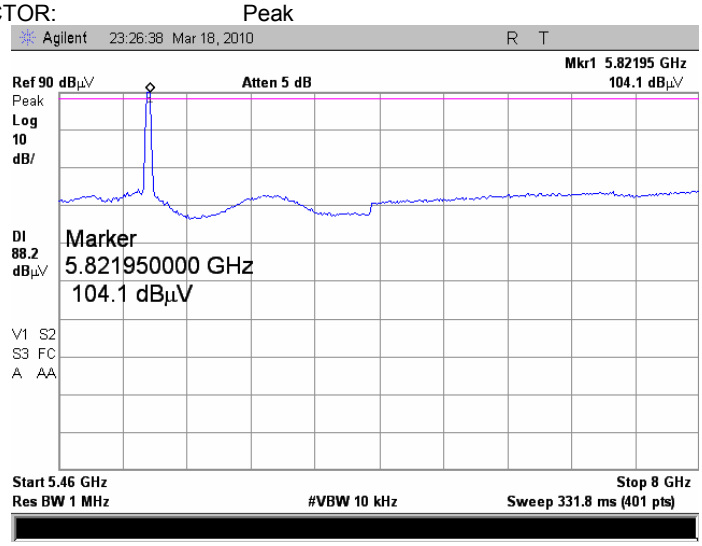
Plot 7.3.79 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency

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



Plot 7.3.80 Radiated emission measurements from 5.46 to 8 GHz at the high carrier frequency

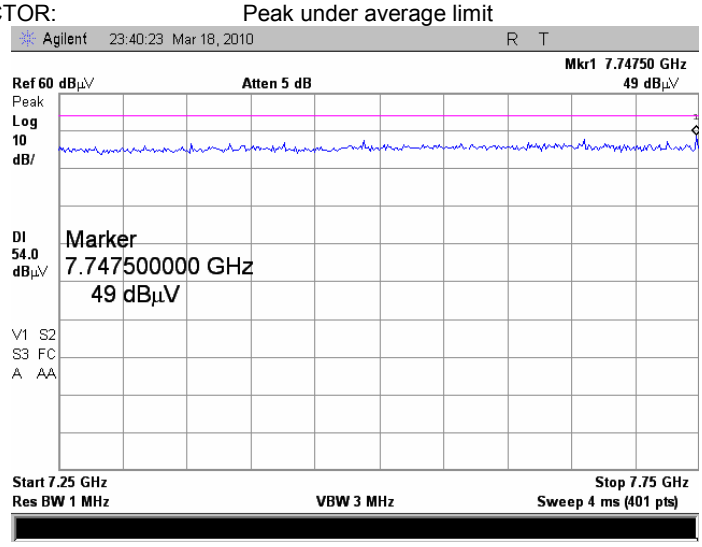
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

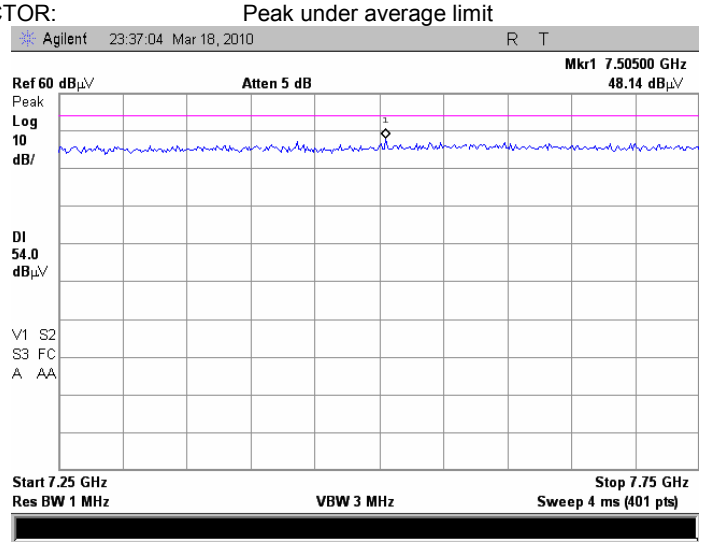
Plot 7.3.81 Radiated emission measurements from 7.25 to 7.75 GHz at the low carrier frequency

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



Plot 7.3.82 Radiated emission measurements from 7.25 to 7.75 GHz at the mid carrier frequency

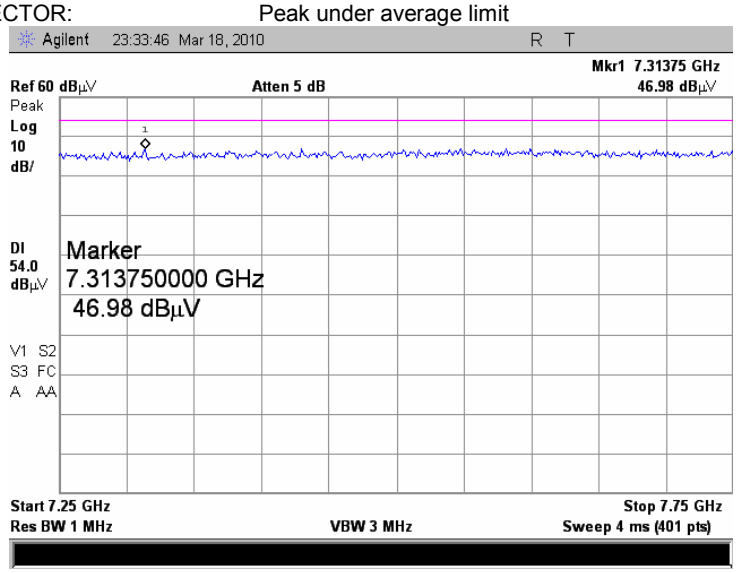
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.83 Radiated emission measurements from 7.25 to 7.75 GHz at the high carrier frequency

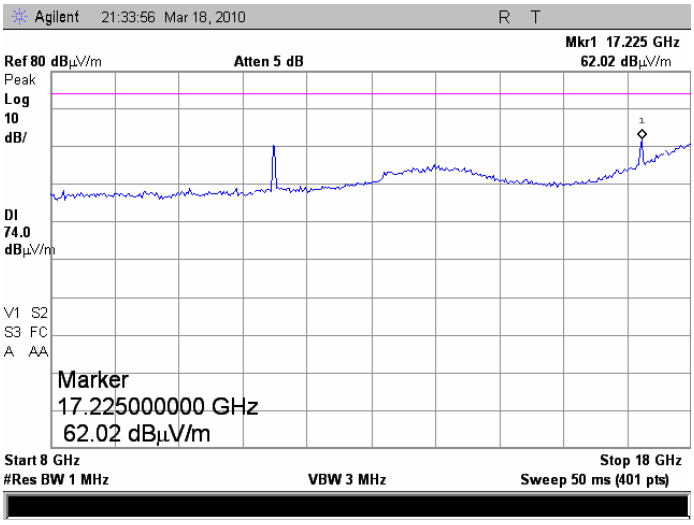
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

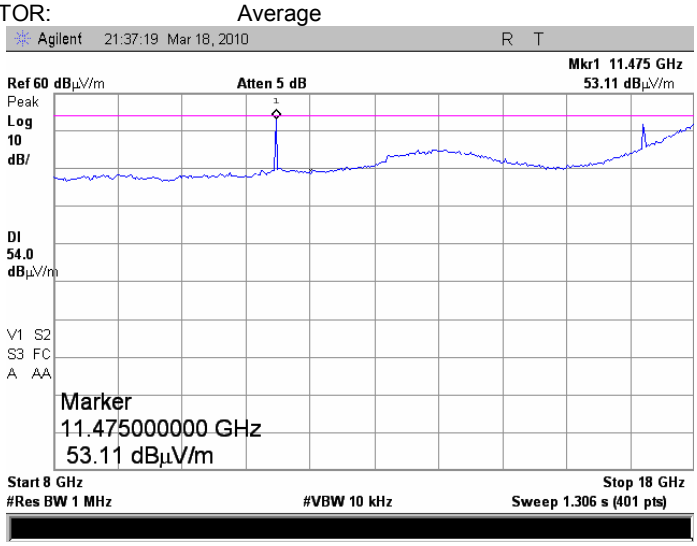
Plot 7.3.84 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

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



Plot 7.3.85 Radiated emission measurements from 8 to 18 GHz at the low carrier frequency

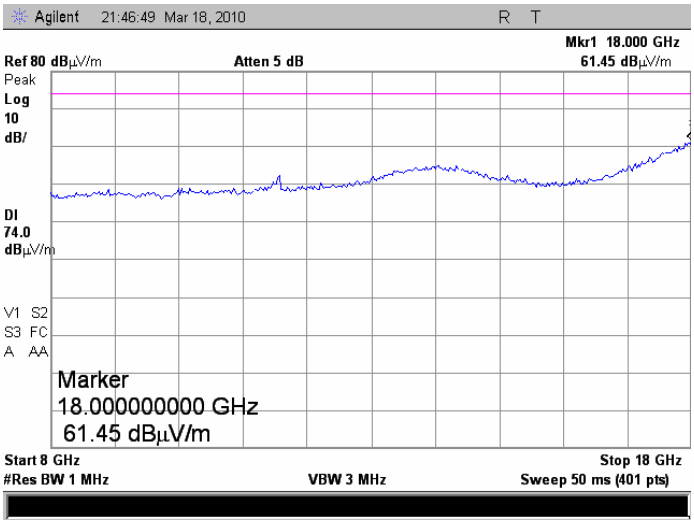
TEST SITE: Anechoic chamber
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

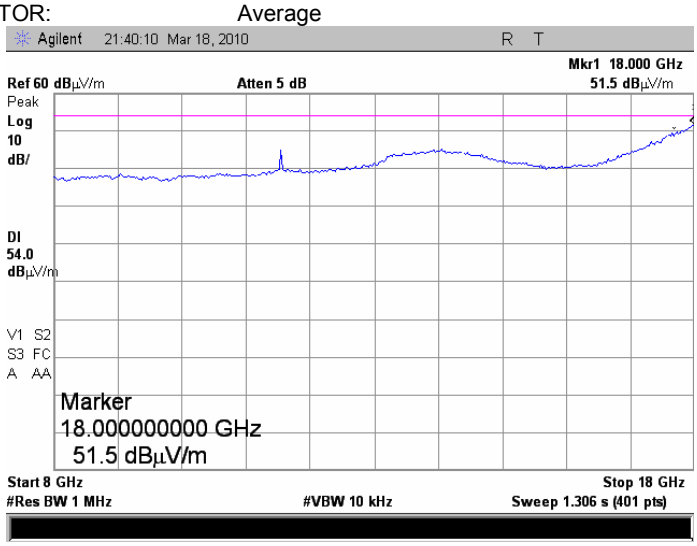
Plot 7.3.86 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

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



Plot 7.3.87 Radiated emission measurements from 8 to 18 GHz at the mid carrier frequency

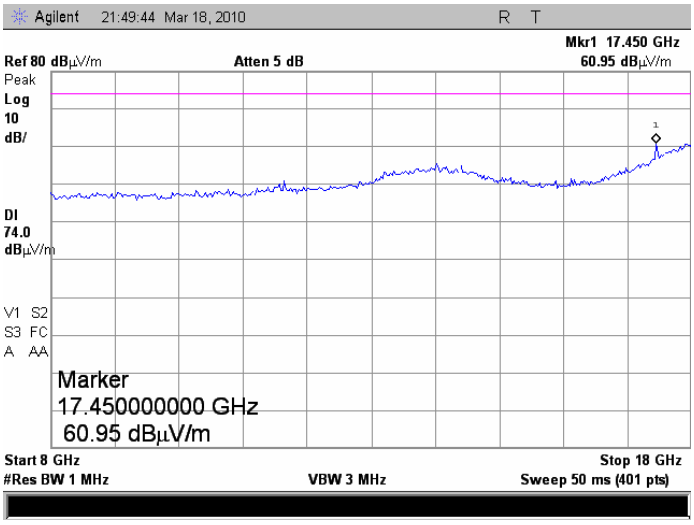
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

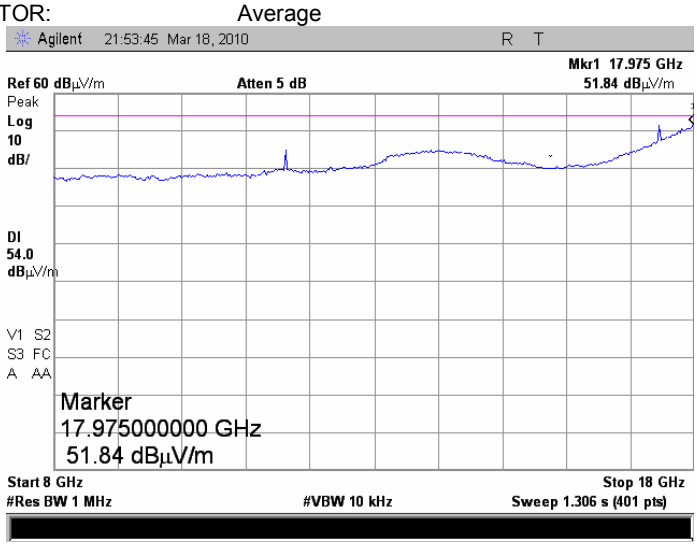
Plot 7.3.88 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

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



Plot 7.3.89 Radiated emission measurements from 8 to 18 GHz at the high carrier frequency

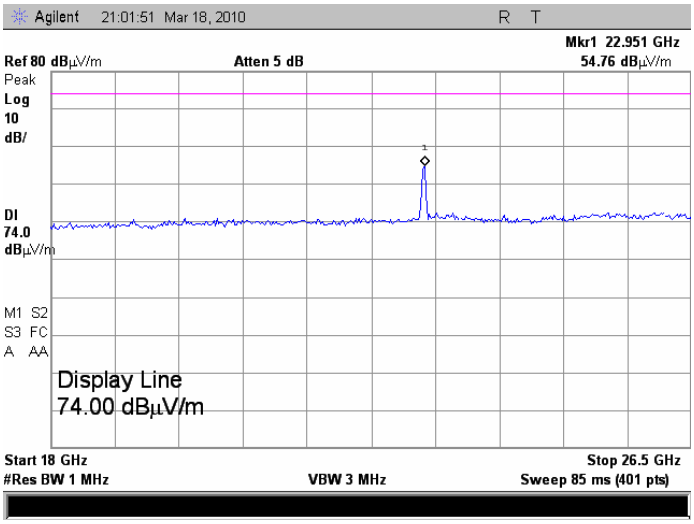
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR: Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

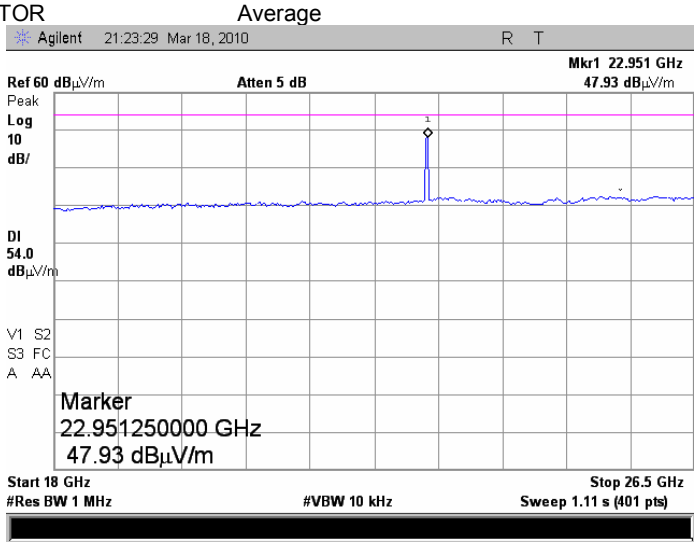
Plot 7.3.90 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

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



Plot 7.3.91 Radiated emission measurements from 18 to 26.5 GHz at the low carrier frequency

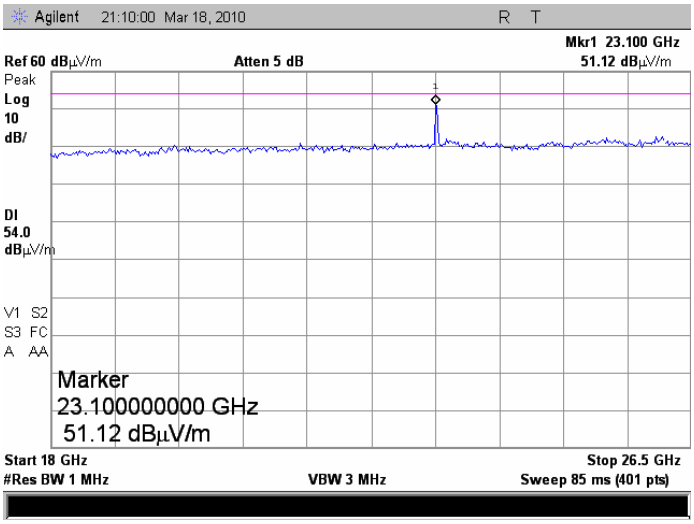
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

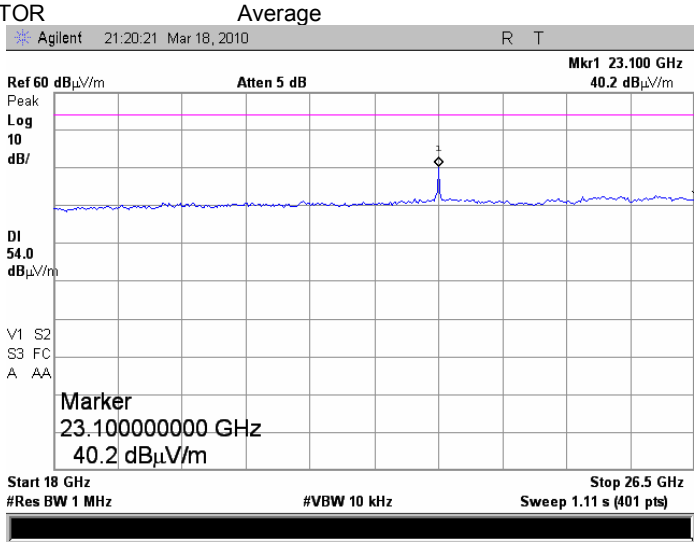
Plot 7.3.92 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

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



Plot 7.3.93 Radiated emission measurements from 18 to 26.5 GHz at the mid carrier frequency

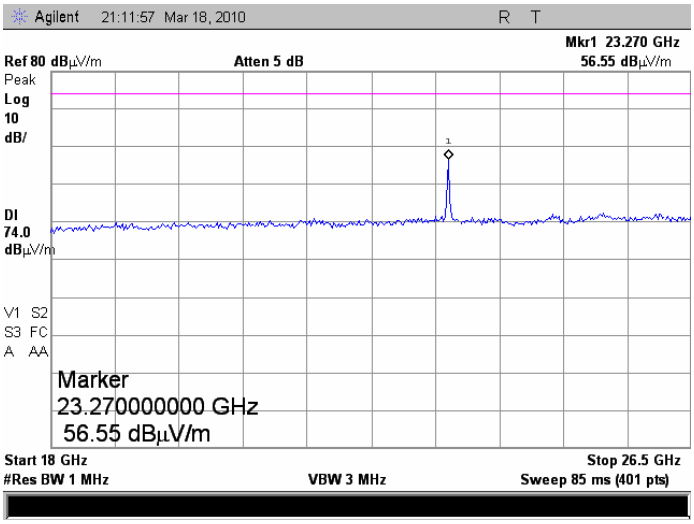
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

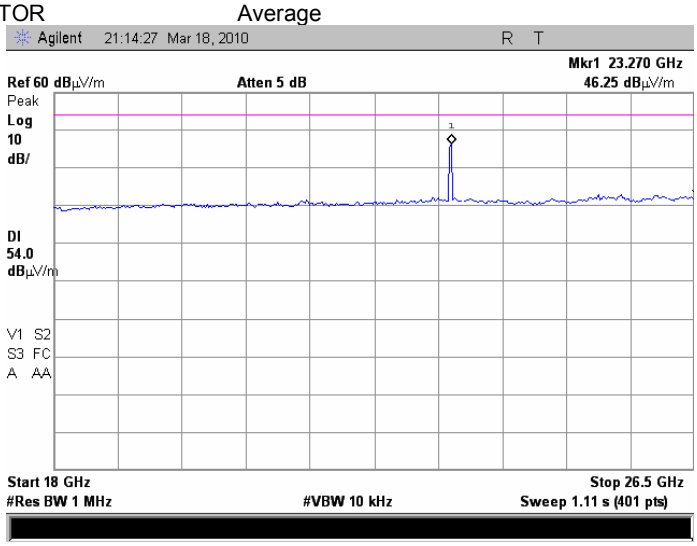
Plot 7.3.94 Radiated emission measurements from 18 to 26.5 GHz at the high carrier frequency

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



Plot 7.3.95 Radiated emission measurements from 18 to 26.5 GHz at the high carrier frequency

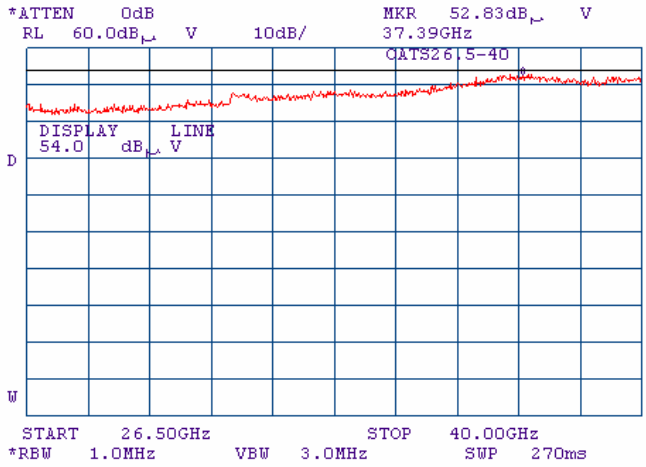
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

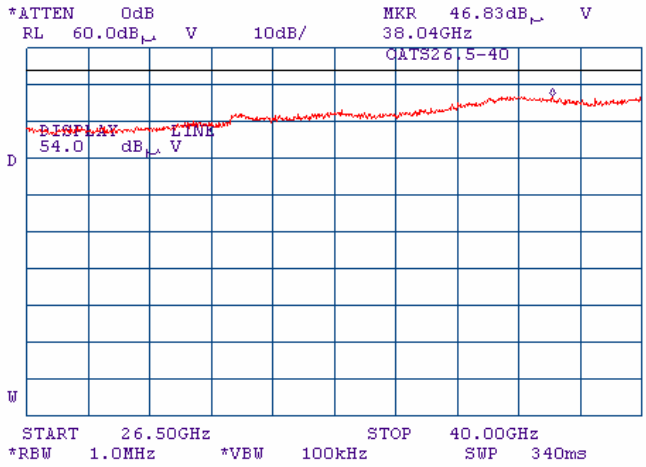
Plot 7.3.96 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

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



Plot 7.3.97 Radiated emission measurements from 26.5 to 40 GHz at the low carrier frequency

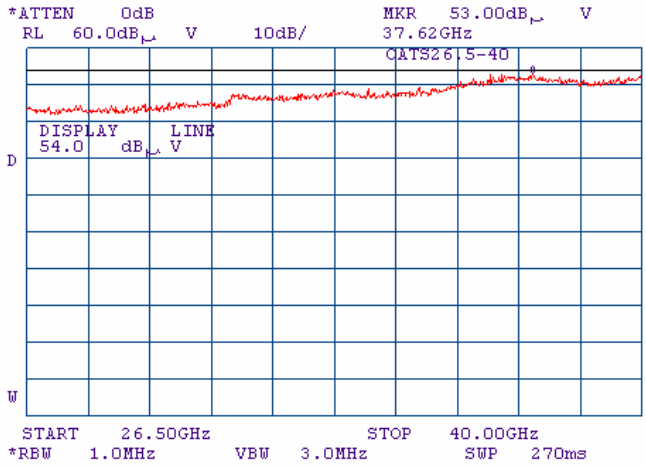
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	**FCC section 15.407(b), RSS-210 Annex 9, section A9.3** **Unwanted radiated emissions**		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

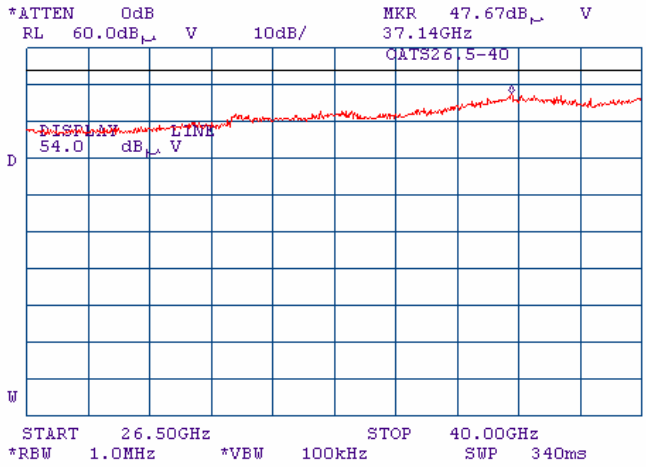
Plot 7.3.98 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

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



Plot 7.3.99 Radiated emission measurements from 26.5 to 40 GHz at the mid carrier frequency

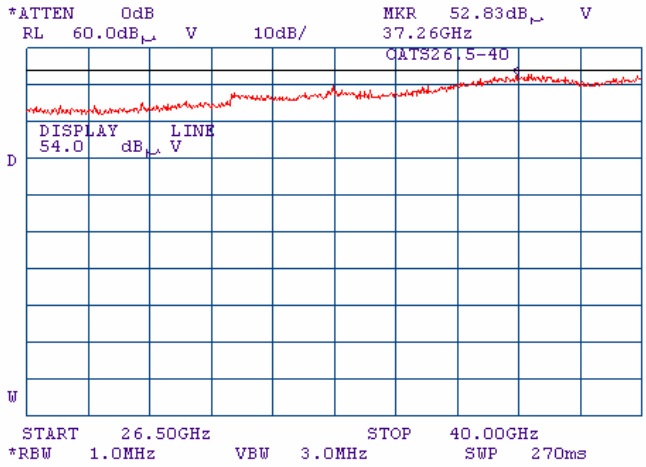
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

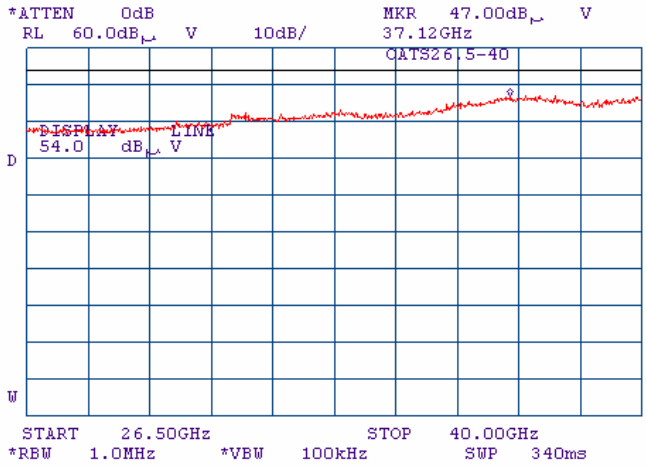
Plot 7.3.100 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency (5475MHz)

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



Plot 7.3.101 Radiated emission measurements from 26.5 to 40 GHz at the high carrier frequency (5475MHz)

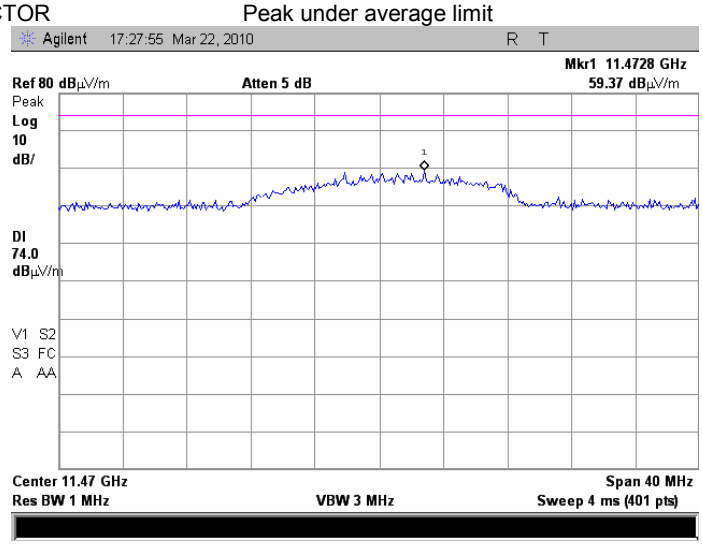
TEST SITE: OATS
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical and Horizontal
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

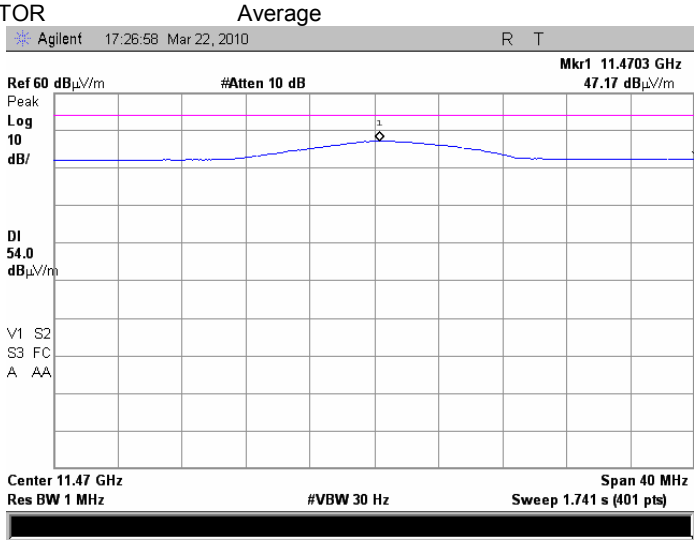
Plot 7.3.102 Radiated emission measurements at the second harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.103 Radiated emission measurements at the second harmonic of low carrier frequency

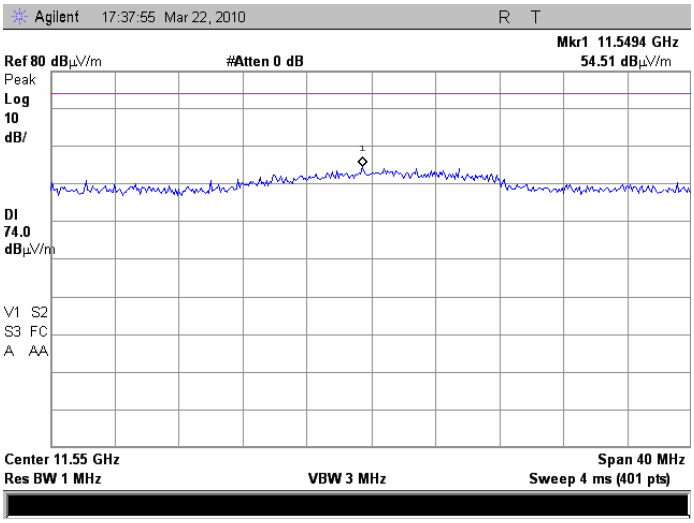
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

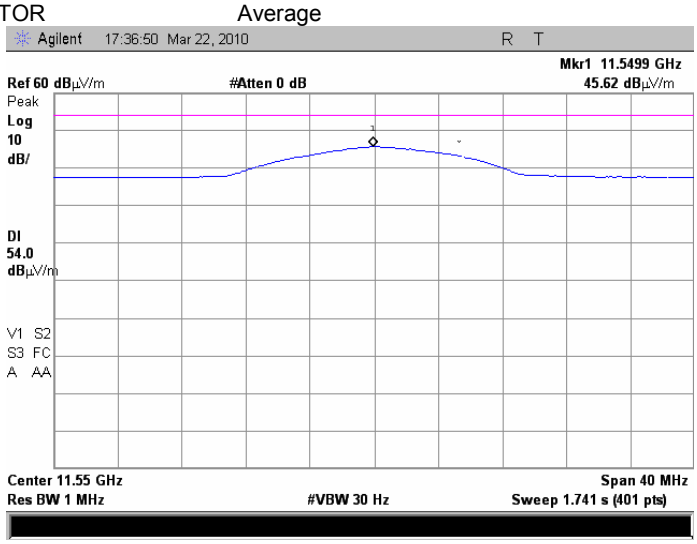
Plot 7.3.104 Radiated emission measurements at the second harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak



Plot 7.3.105 Radiated emission measurements at the second harmonic of the mid carrier frequency

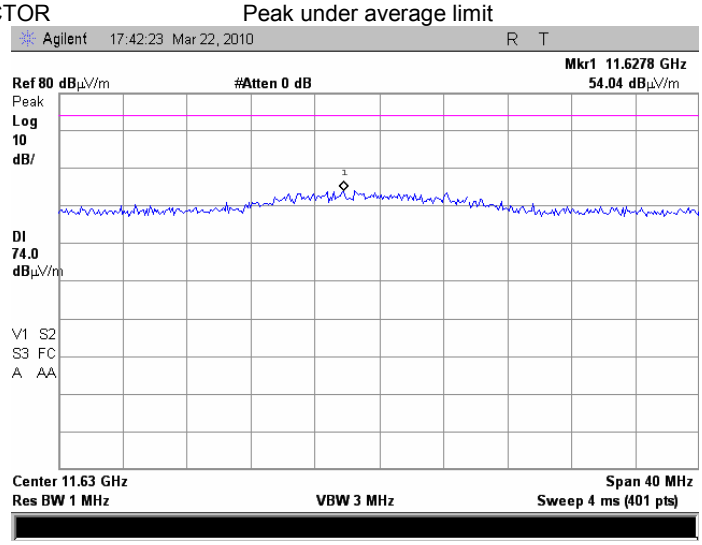
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

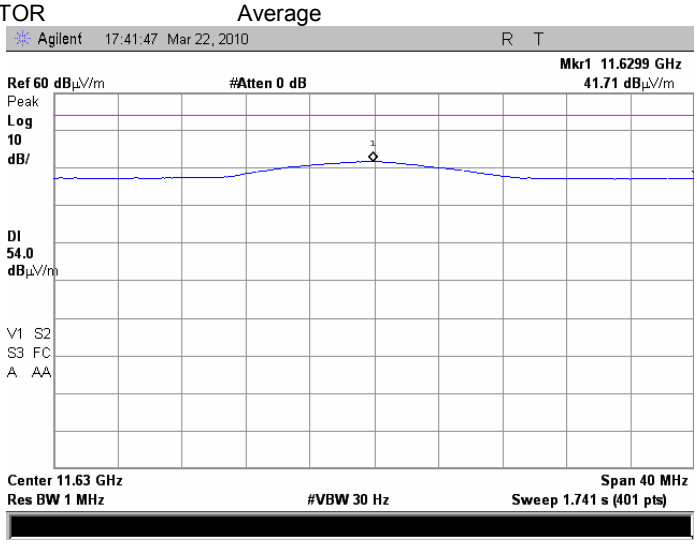
Plot 7.3.106 Radiated emission measurements at the second harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.107 Radiated emission measurements at the second harmonic of high carrier frequency

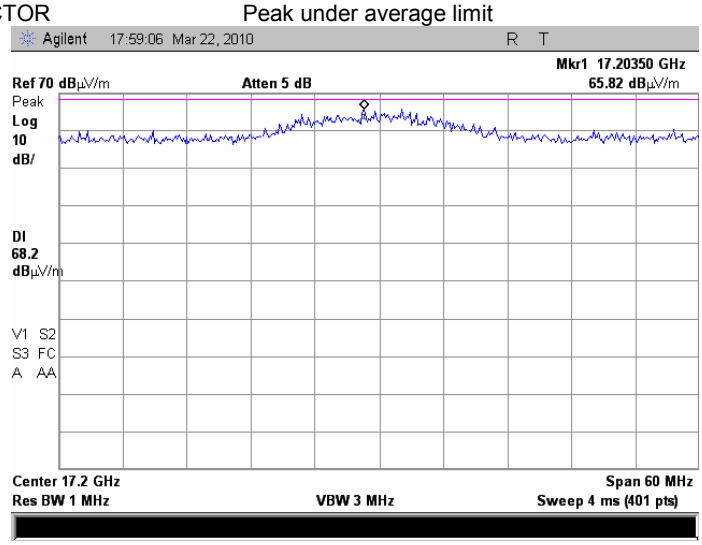
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

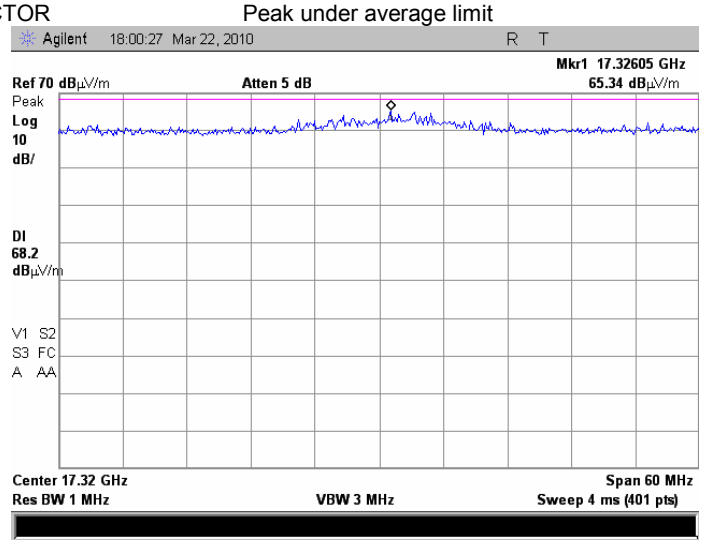
Plot 7.3.108 Radiated emission measurements at third harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.109 Radiated emission measurements at the third harmonic of the mid carrier frequency

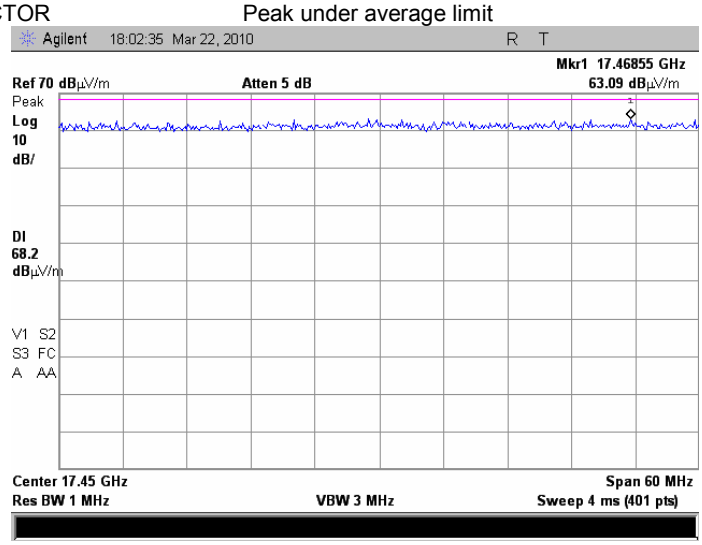
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.110 Radiated emission measurements at the third harmonic of high carrier frequency

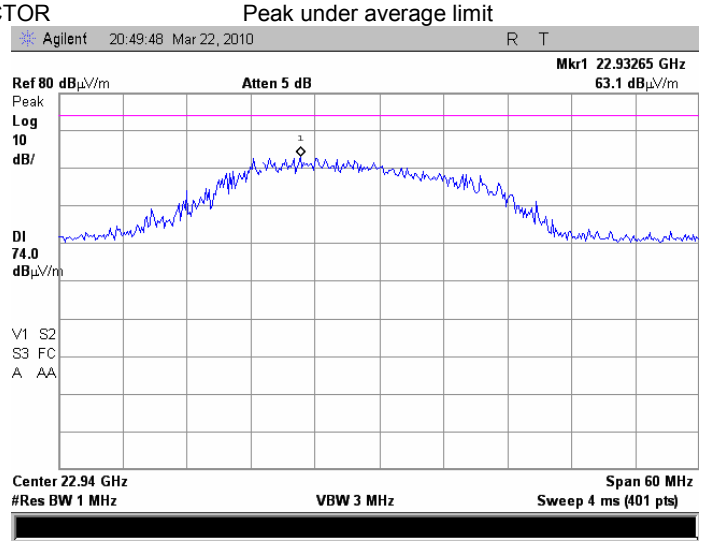
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

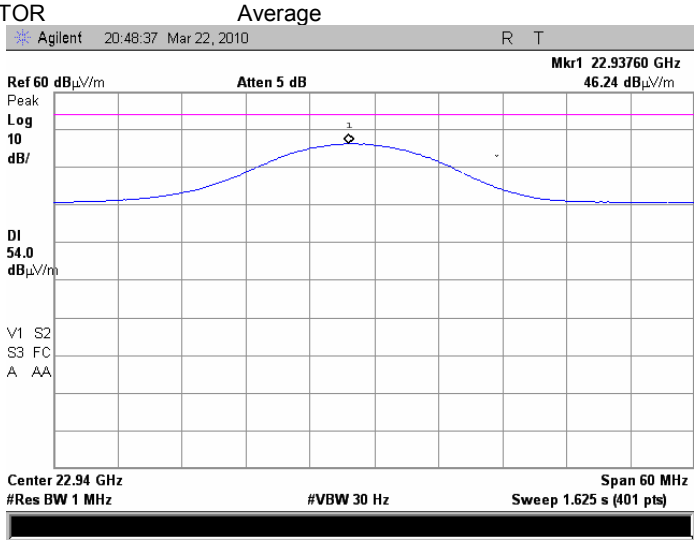
Plot 7.3.111 Radiated emission measurements at the forth harmonic of low carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.112 Radiated emission measurements at the forth harmonic of low carrier frequency

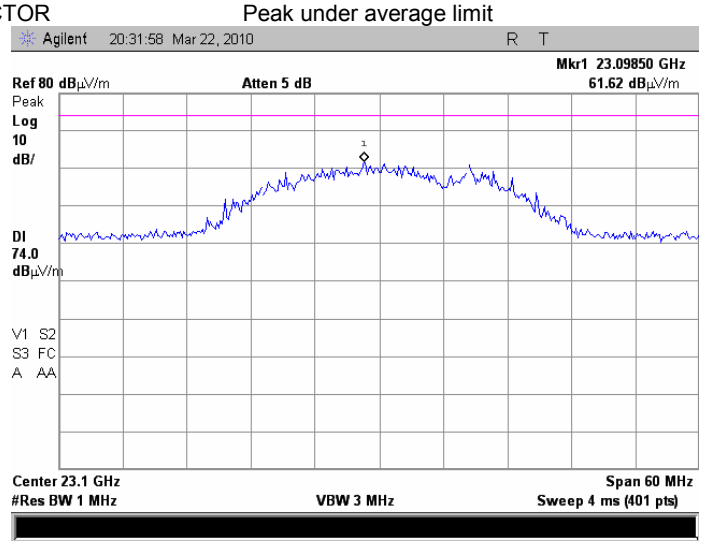
TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

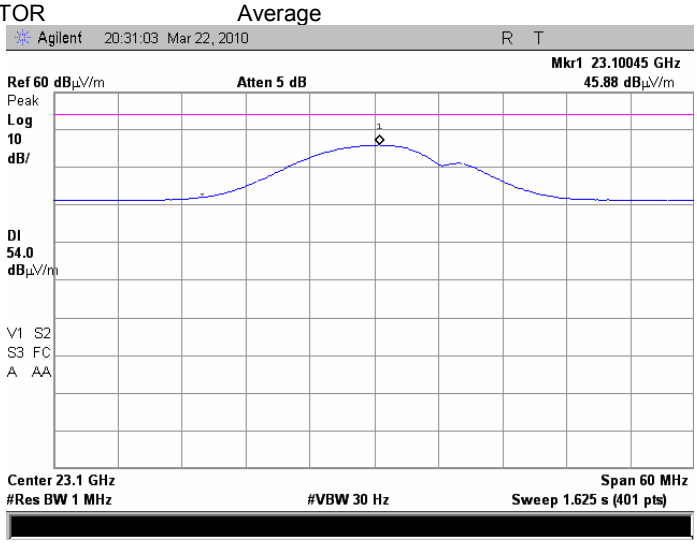
Plot 7.3.113 Radiated emission measurements at the forth harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit



Plot 7.3.114 Radiated emission measurements at the forth harmonic of the mid carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Average



Test specification:	FCC section 15.407(b), RSS-210 Annex 9, section A9.3 Unwanted radiated emissions		
Test procedure:	Public notice DA 00-705 / ANSI C63.4, Section 13.1.4		
Test mode:	Compliance	**Verdict:**	PASS
Date:	3/22/2009		
Temperature: 24ºC	**Air Pressure:** 1013 hPa	**Relative Humidity:** 47 %	**Power Supply:** 120 VAC
Remarks: EUT with 27.9 dBi antenna assembly gain			

Plot 7.3.115 Radiated emission measurements at the forth harmonic of high carrier frequency

TEST SITE: OATS
TEST DISTANCE: 3 m
DETECTOR Peak under average limit