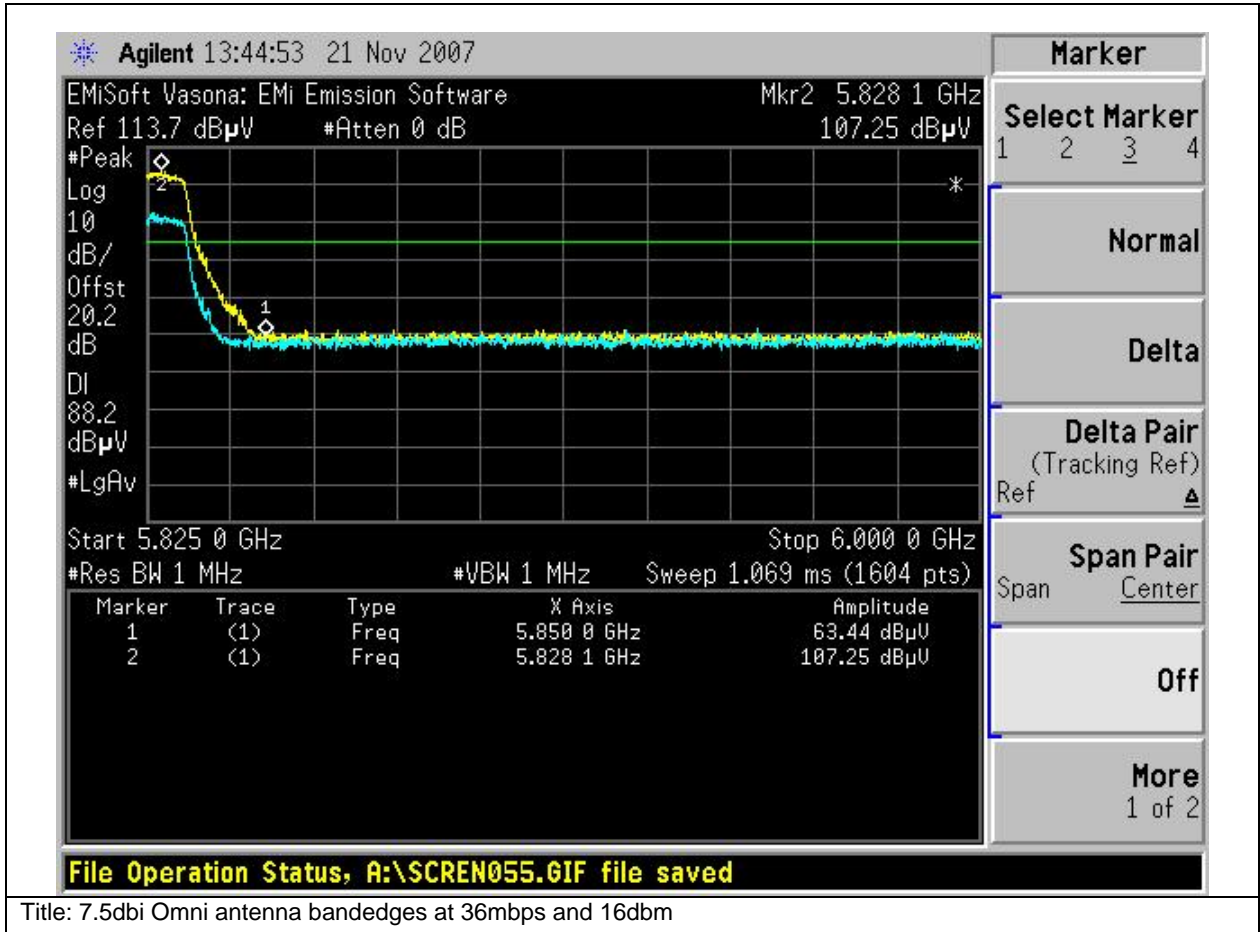
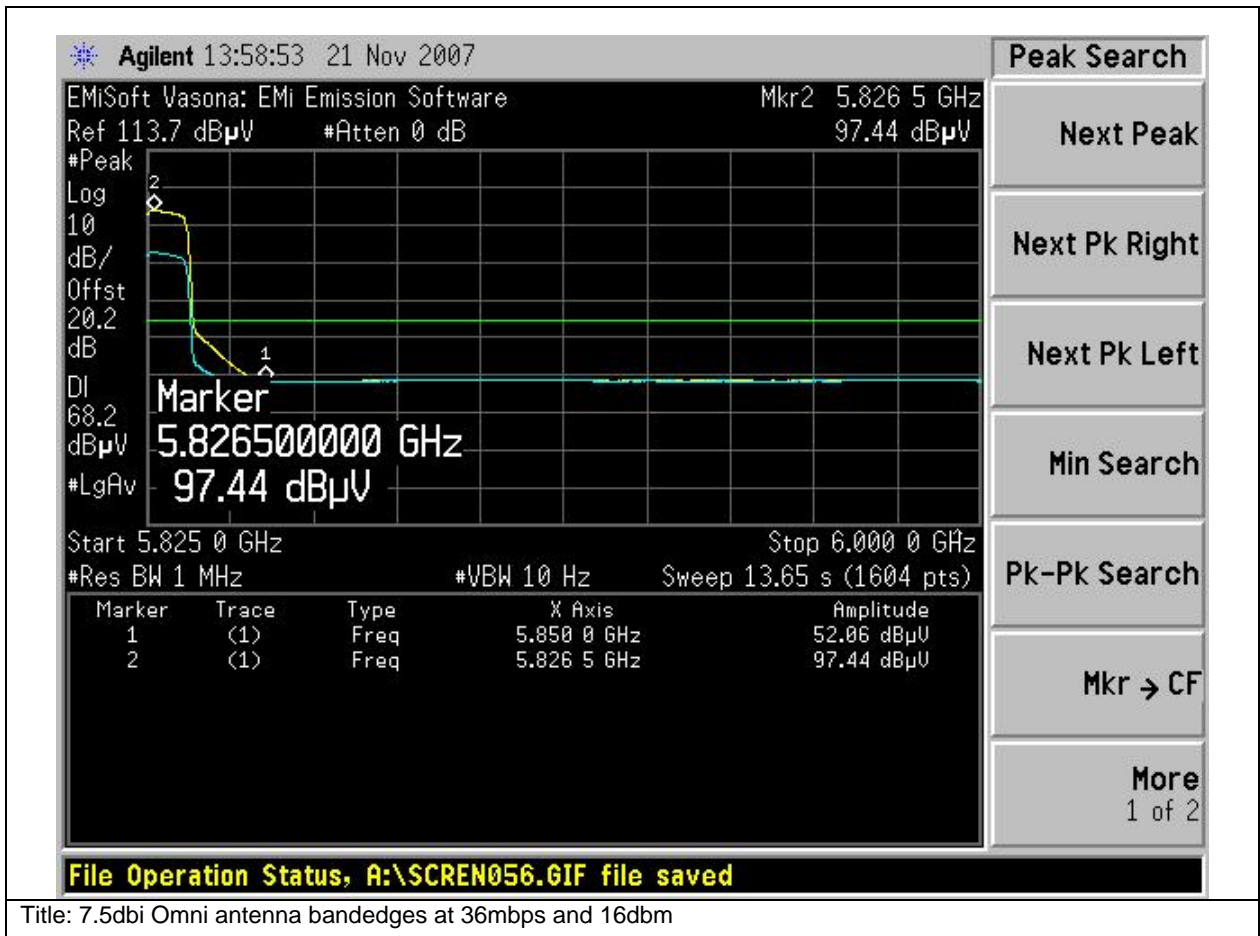




**7.5dbi Omni antenna 5.825GHz. bandedges at 36mbps and 16dbm Peak**



**7.5dbi Omni antenna 5.825 GHz. bandedges at 36mbps and 16dbm Ave**



**Physical Test arrangement Photograph:**



**Title:** Bandedge test for 7.5dbi Omni test setup

**Comments on the above Photograph:**

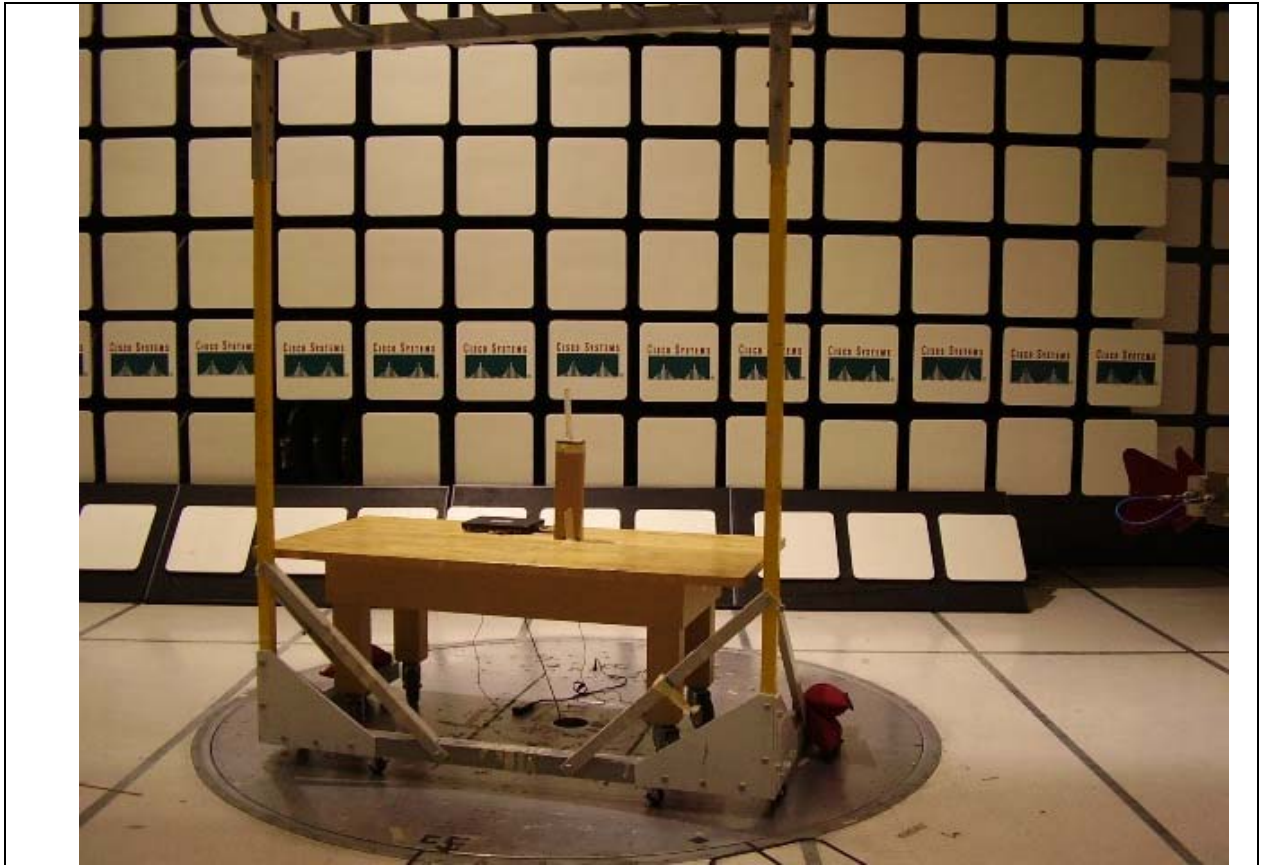
No further comments



**Title:** Bandedge test for 7.5dbi Omni test setup

**Comments on the above Photograph:**

No further comments



**Title:** Bandedge test for 7.5dbi Omni test setup

**Comments on the above Photograph:**

No further comments

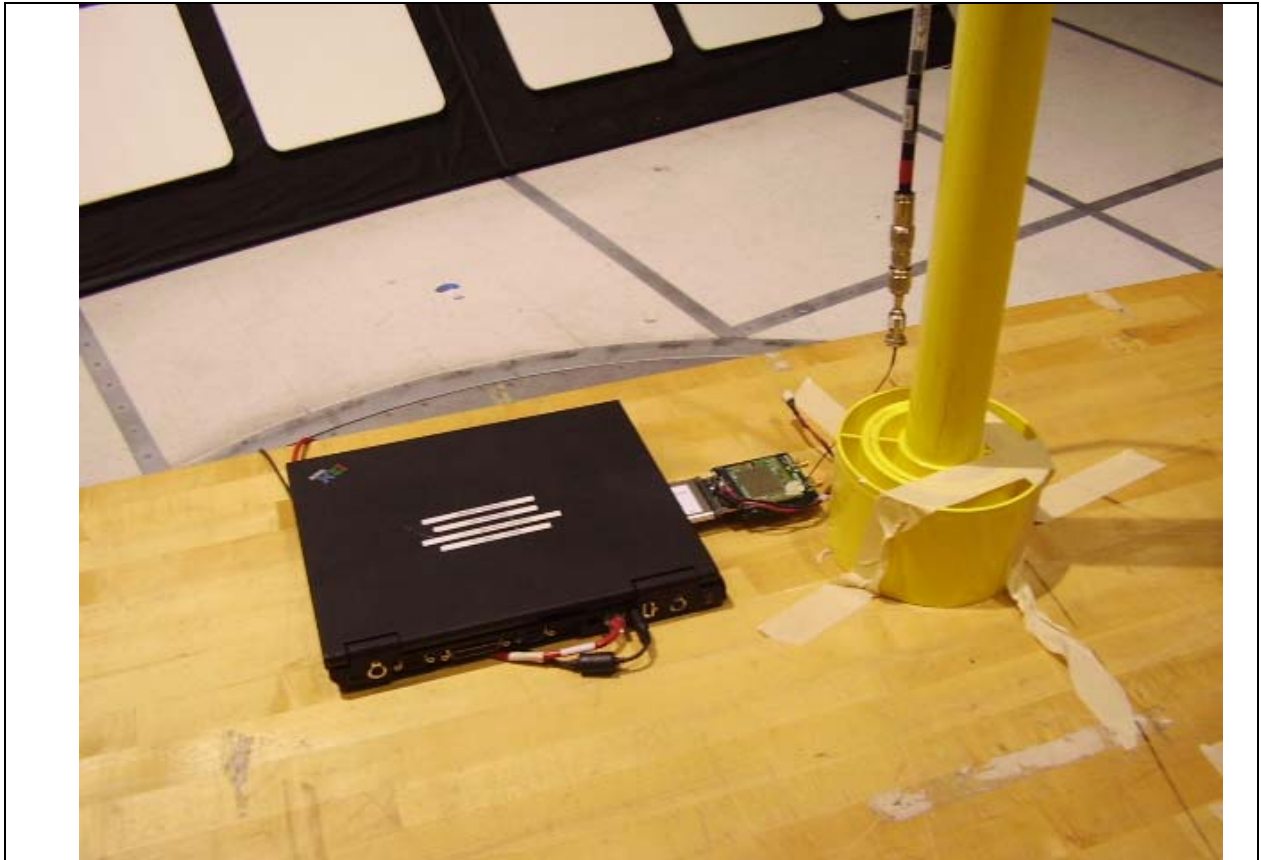




**Title:** Bandedge test for 17dbi sector test setup

**Comments on the above Photograph:**

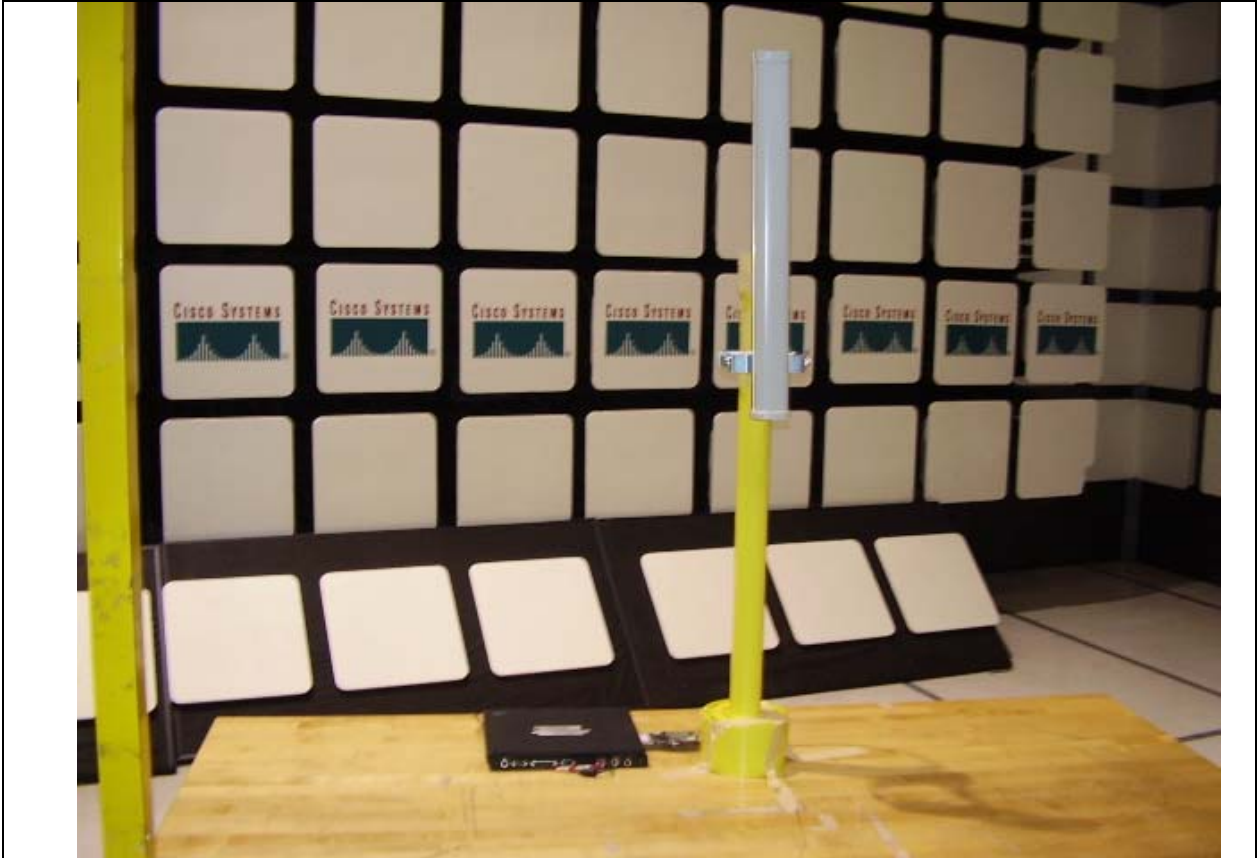
No further comments



**Title:** Bandedge test for 17dbi sector test setup

**Comments on the above Photograph:**

No further comments



**Title:** Bandedge test for 17dbi sector test setup

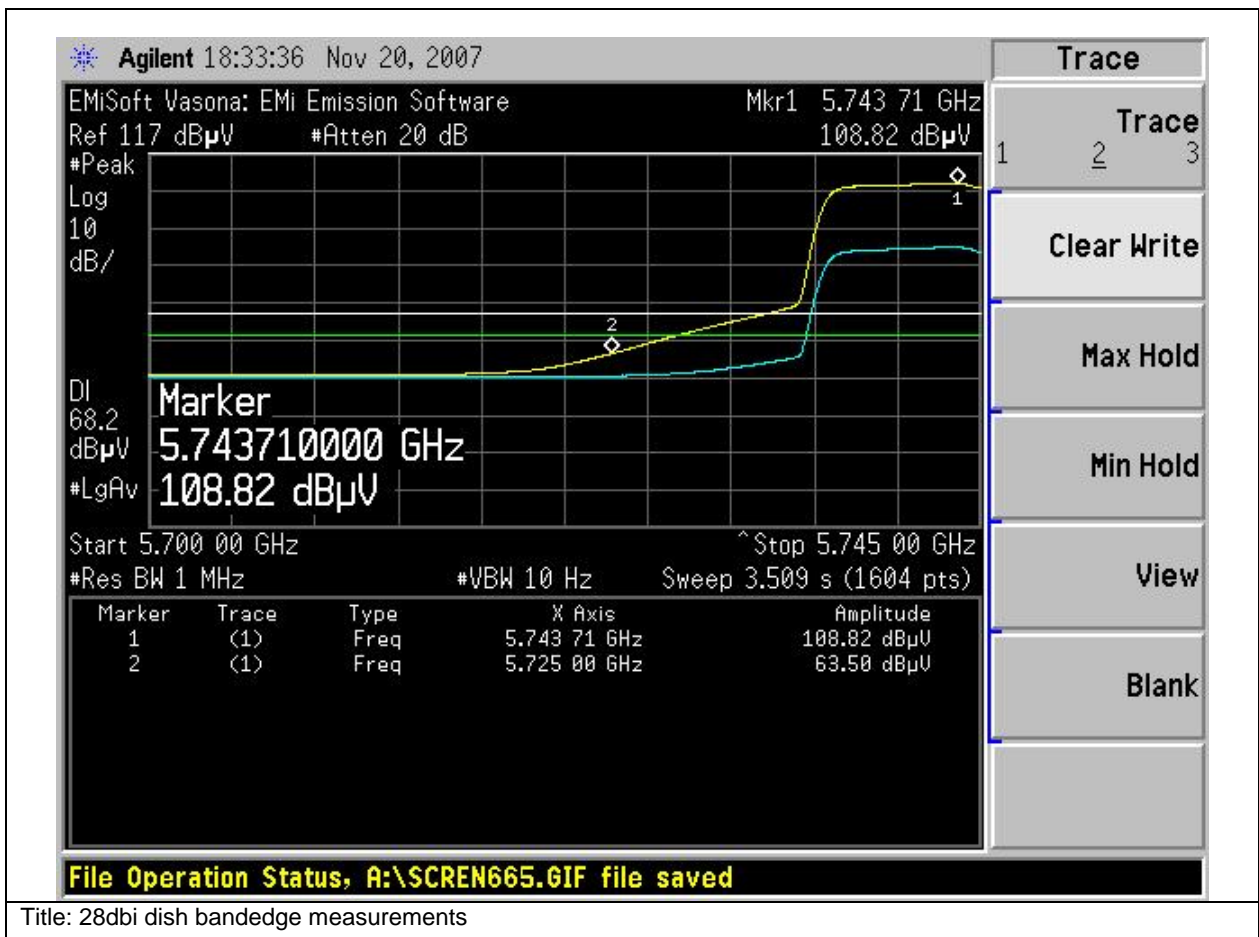
**Comments on the above Photograph:**

No further comments

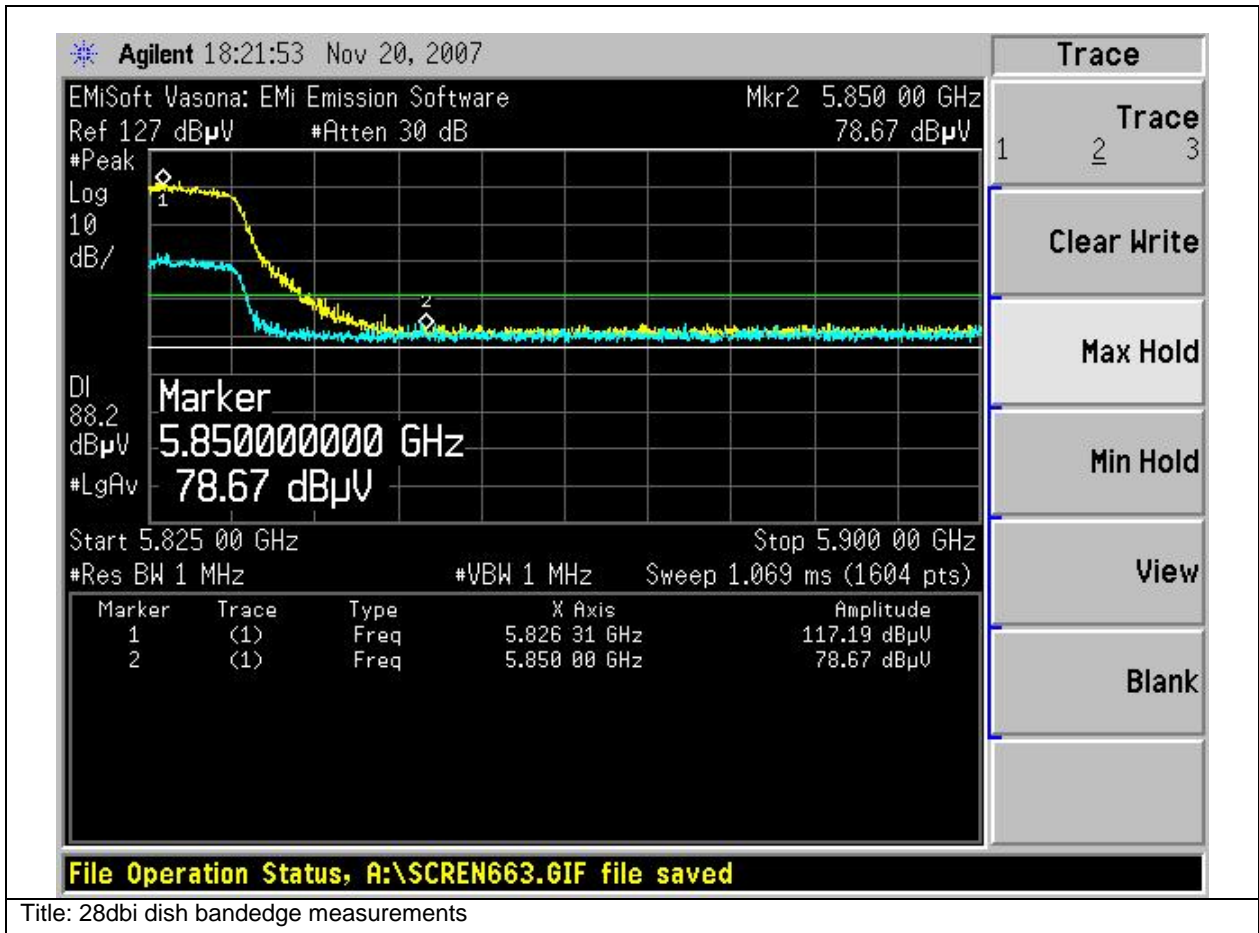


<b>Subtest Number:</b> 29612 - 2		<b>Subtest Date:</b> 28-Feb-2008
<b>Engineer</b>	Donald Foster	
<b>Lab Information</b>	Building P, 5m Anechoic	
<b>Subtest Results</b>		
<b>Subtest Title</b>	N/A	
<b>Subtest Result</b>	Pass	
<b>Highest Frequency</b>	N/A	
<b>Lowest Frequency</b>	N/A	
<b>Comments on the above Test Results</b>	No further comments	

**28dbi dish antenna 5.745GHz. bandedges at 36mbps and 16dbm  
 Ave**

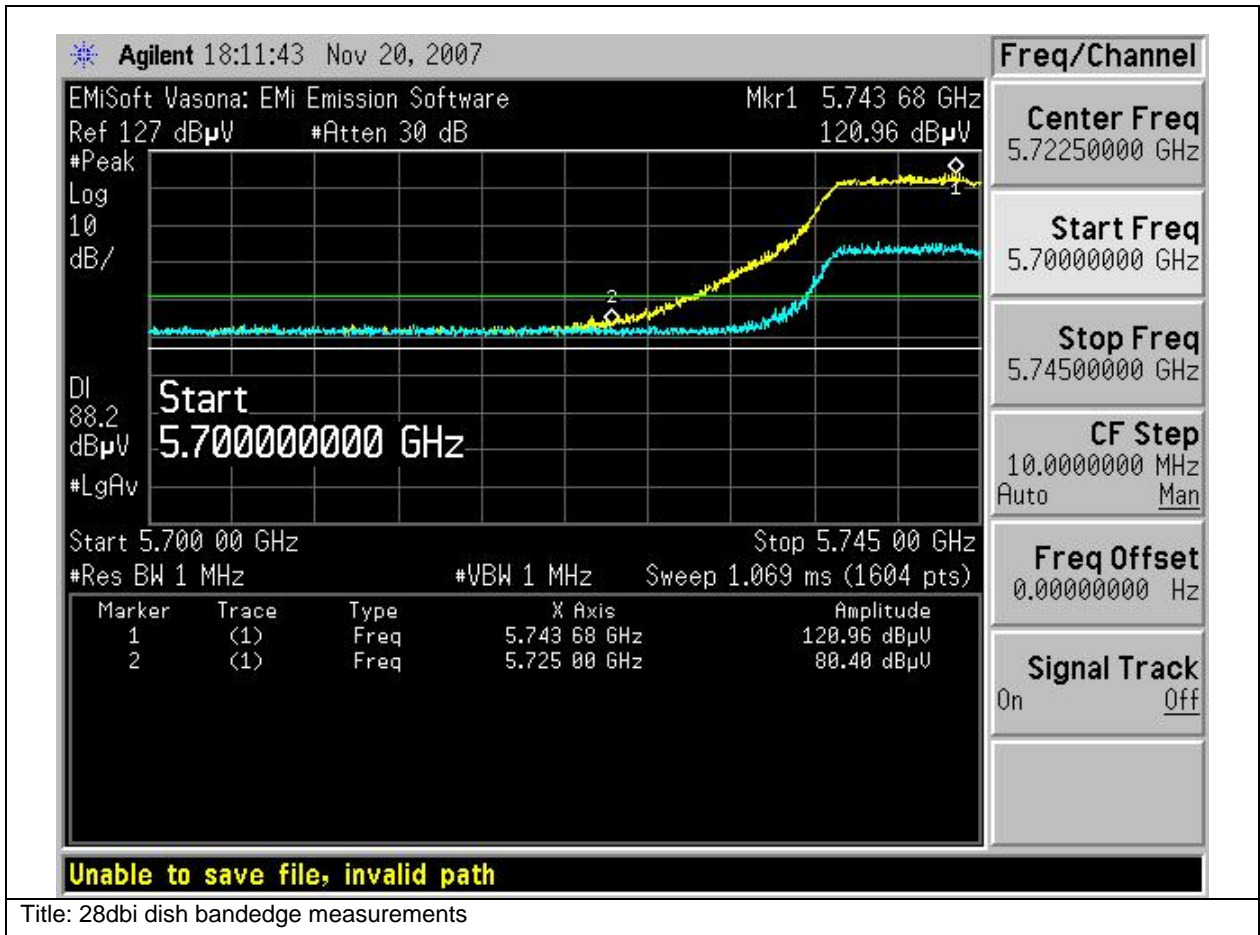


**28dbi dish antenna 5.825GHz. bandedges at 36mbps and 16dbm Peak**

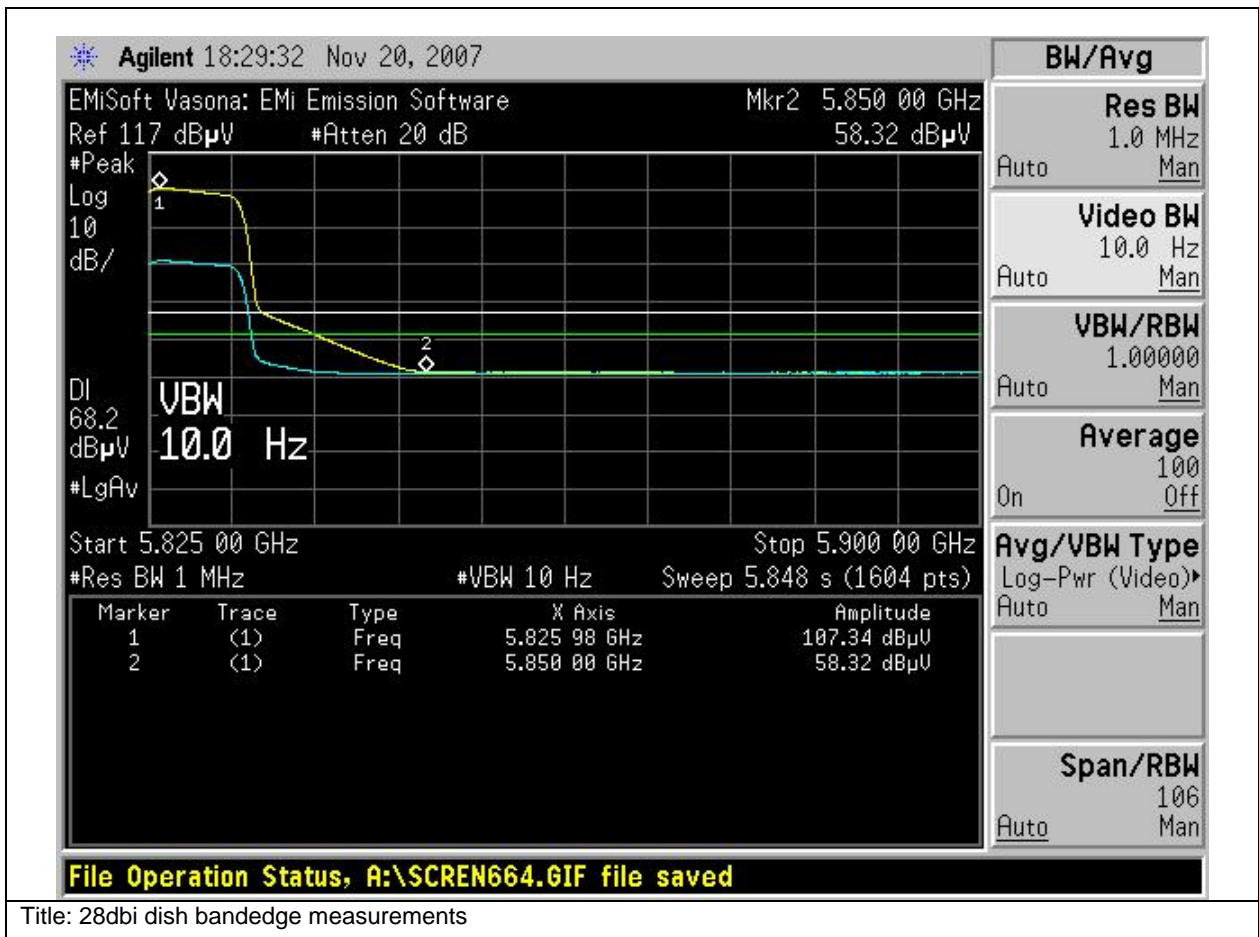




**28dbi dish antenna 5.745GHz. bandedges at 36mbps and 16dbm  
 Peak**



**28dbi dish antenna 5.825GHz. bandedges at 36mbps and 16dbm  
 Ave**



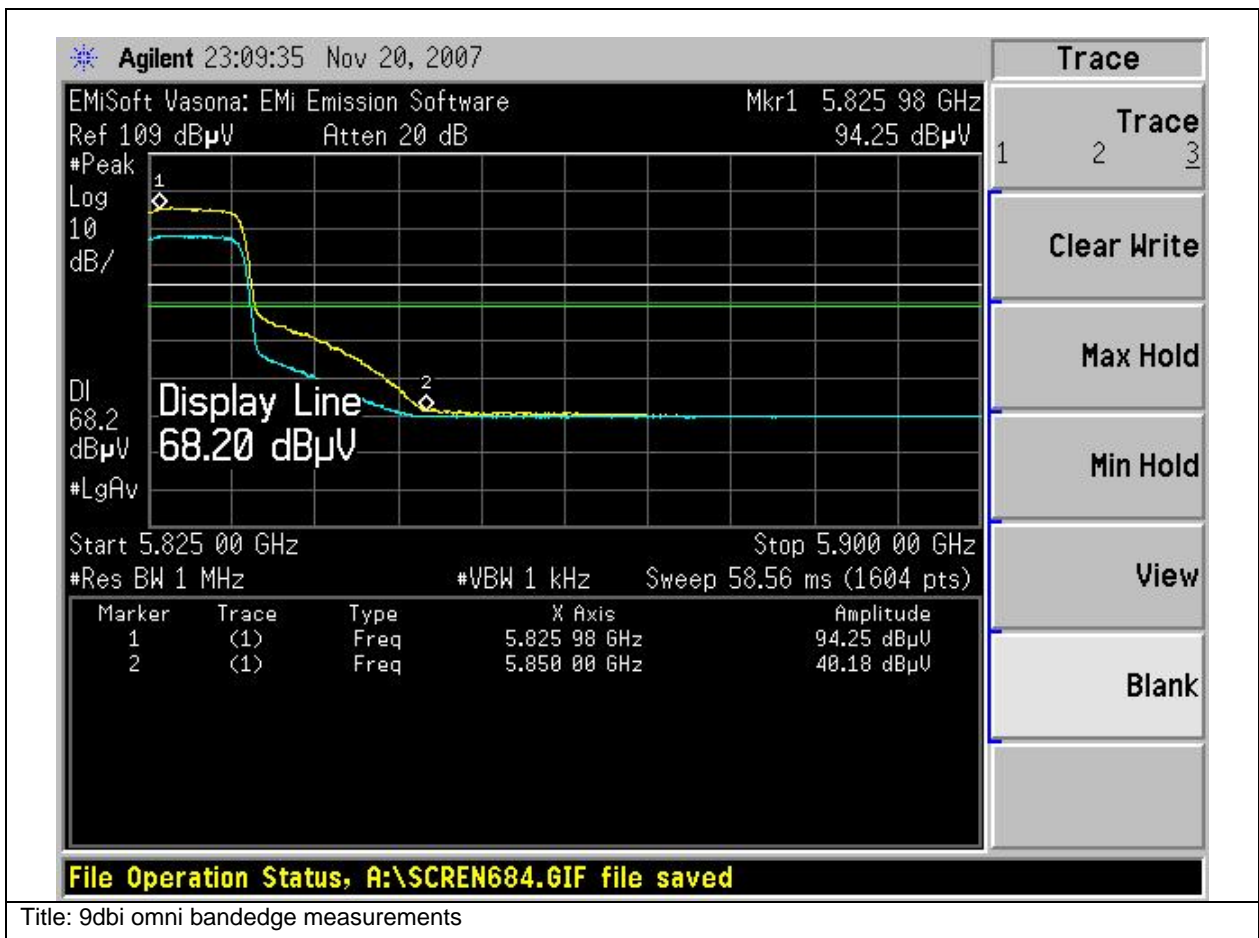
<b>Subtest Number:</b> 29612 - 3	<b>Subtest Date:</b> 28-Feb-2008
<b>Engineer</b>	Donald Foster

<b>Lab Information</b>	Building P, 5m Anechoic
<b>Subtest Results</b>	
<b>Subtest Title</b>	N/A
<b>Subtest Result</b>	Pass
<b>Highest Frequency</b>	N/A
<b>Lowest Frequency</b>	N/A
<b>Comments on the above Test Results</b>	No further comments

**Graphical Test Results**

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

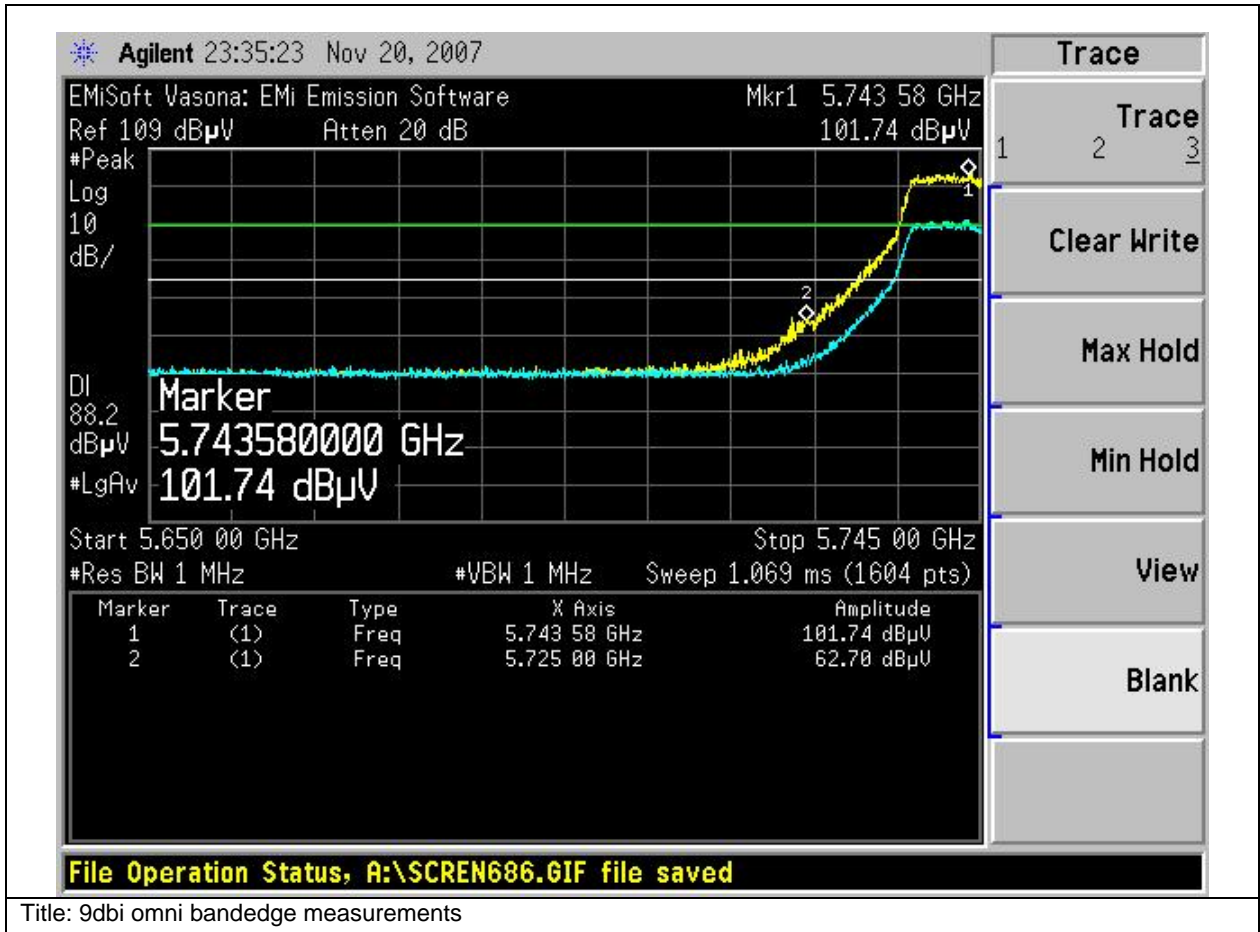
**9dbi Omni antenna 5.825GHz. bandedges at 36mbps and 16dbm Ave**



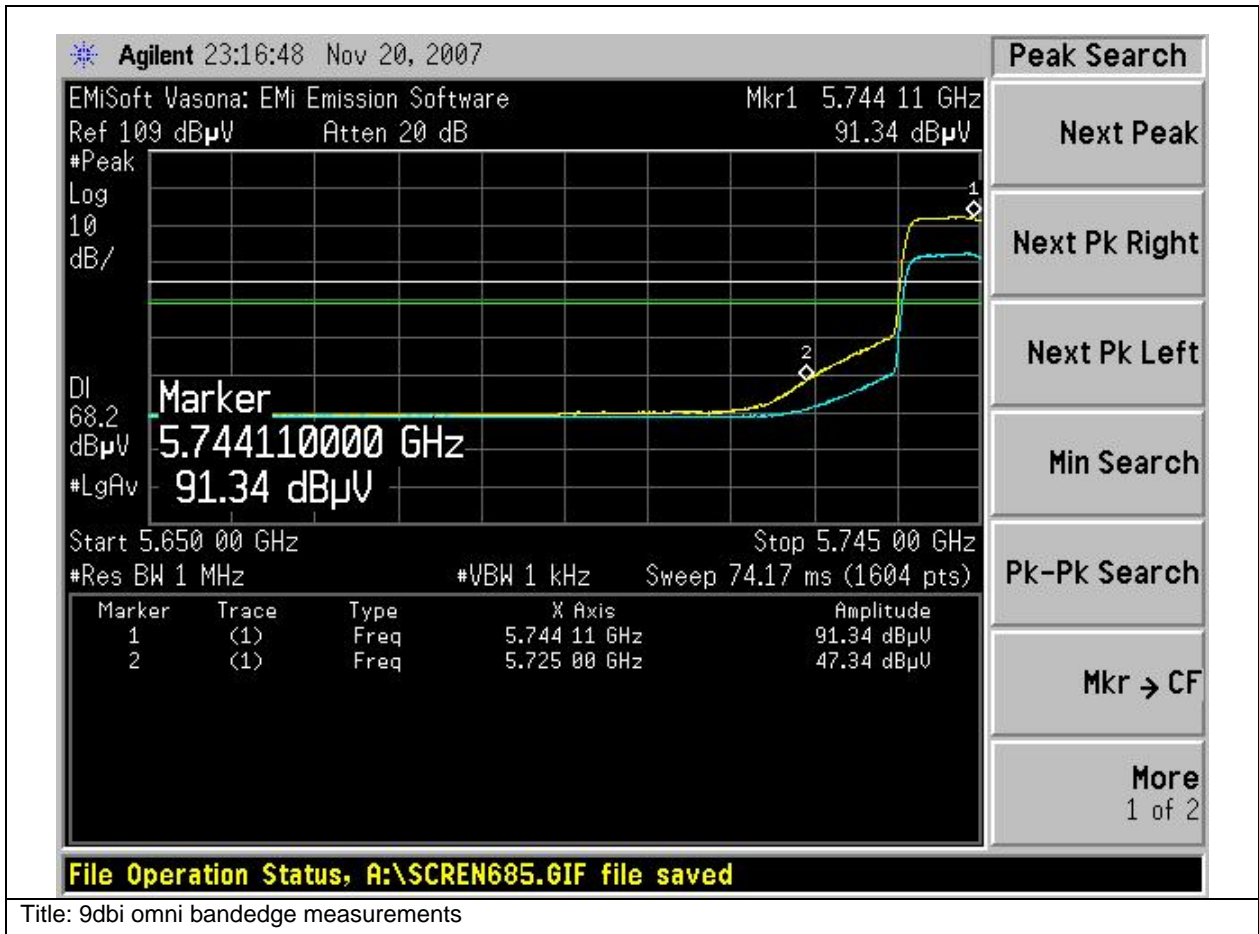




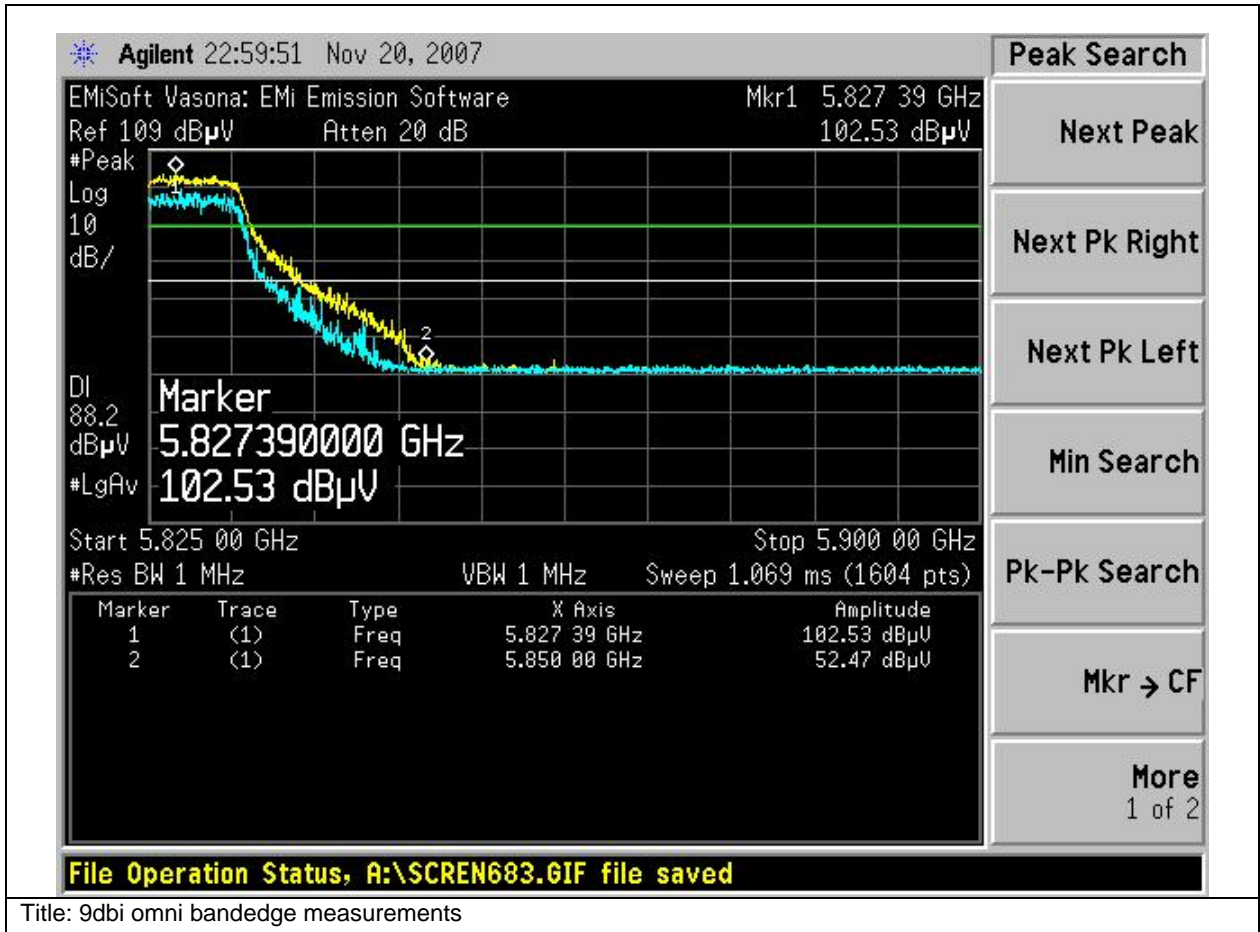
**9dbi Omni antenna 5.745GHz. bandedges at 36mbps and 16dbm  
Peak**



## 9dbi Omni antenna 5.745GHz. bandedges at 36mbps and 16dbm Ave



### 9dbi Omni antenna 5.825GHz. bandedges at 36mbps and 16dbm Peak



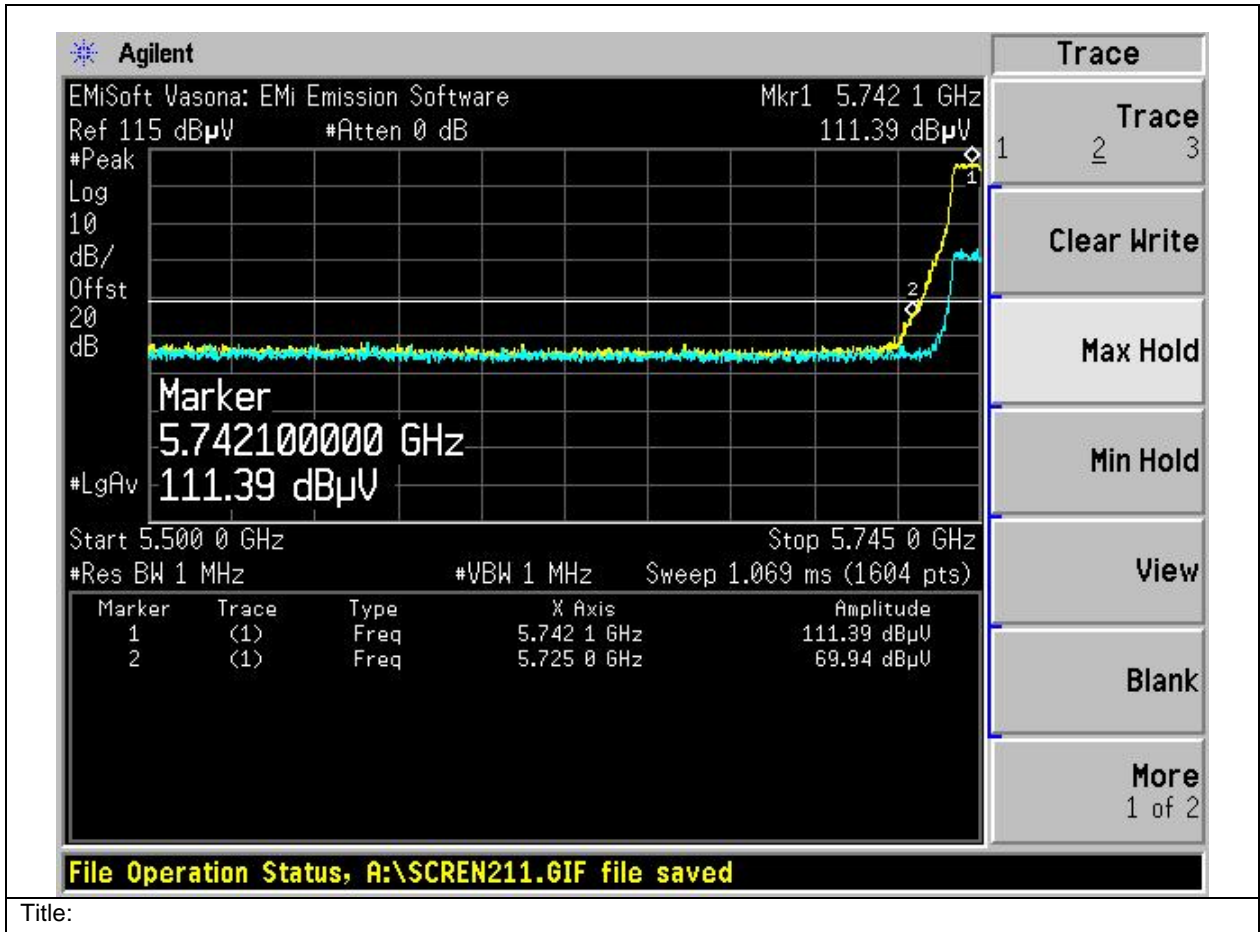


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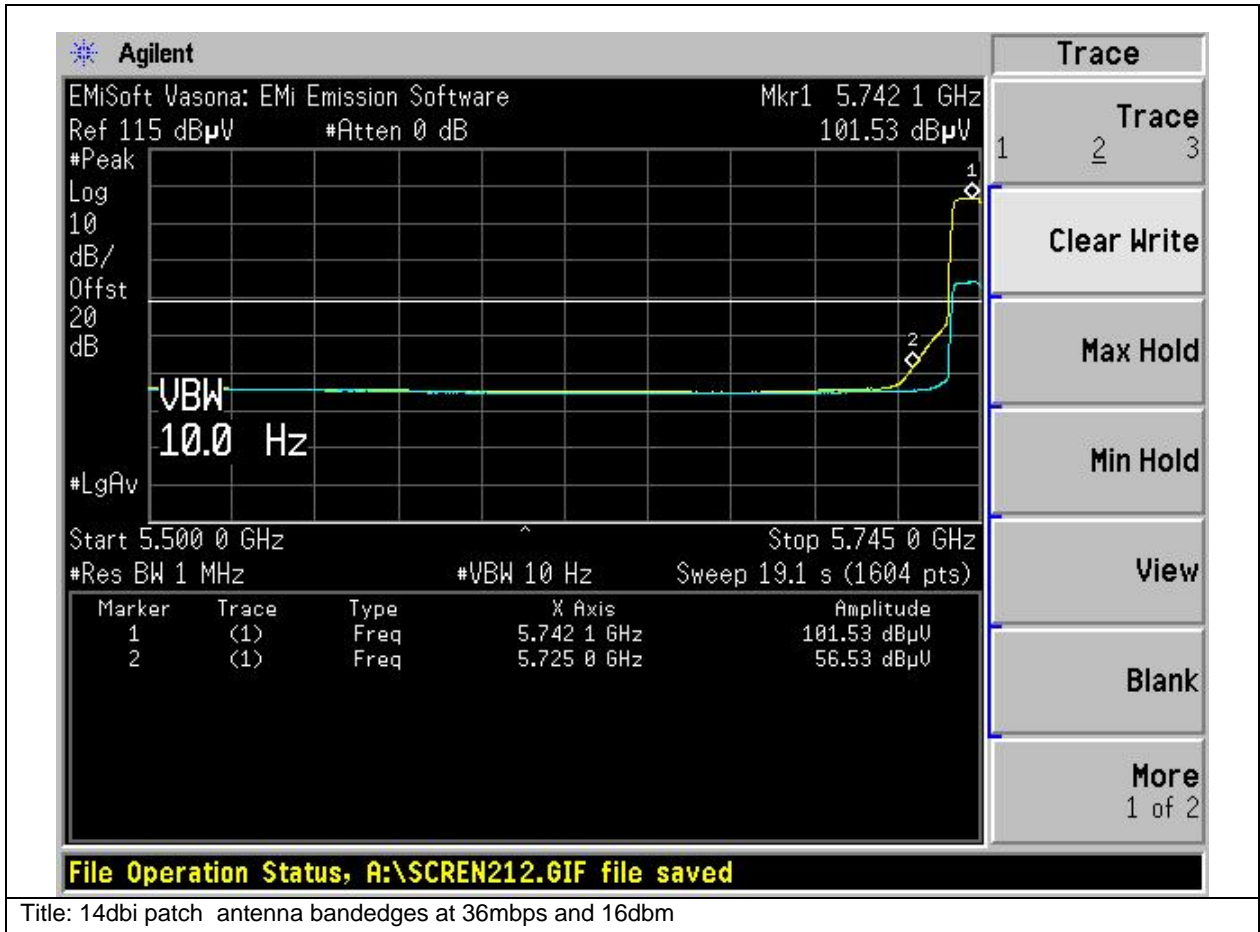
<b>Subtest Number:</b> 29612 - 3		<b>Subtest Date:</b> 28-Feb-2008	
<b>Engineer</b>	Donald Foster		
<b>Lab Information</b>	Building P, 5m Anechoic		
<b>Subtest Results</b>			
<b>Subtest Title</b>	N/A		
<b>Subtest Result</b>	Pass		
<b>Highest Frequency</b>	N/A		
<b>Lowest Frequency</b>	N/A		
<b>Comments on the above Test Results</b>	No further comments		

**14dbi patch antenna 5.745GHz. bandedges at 36mbps and 16dbm**





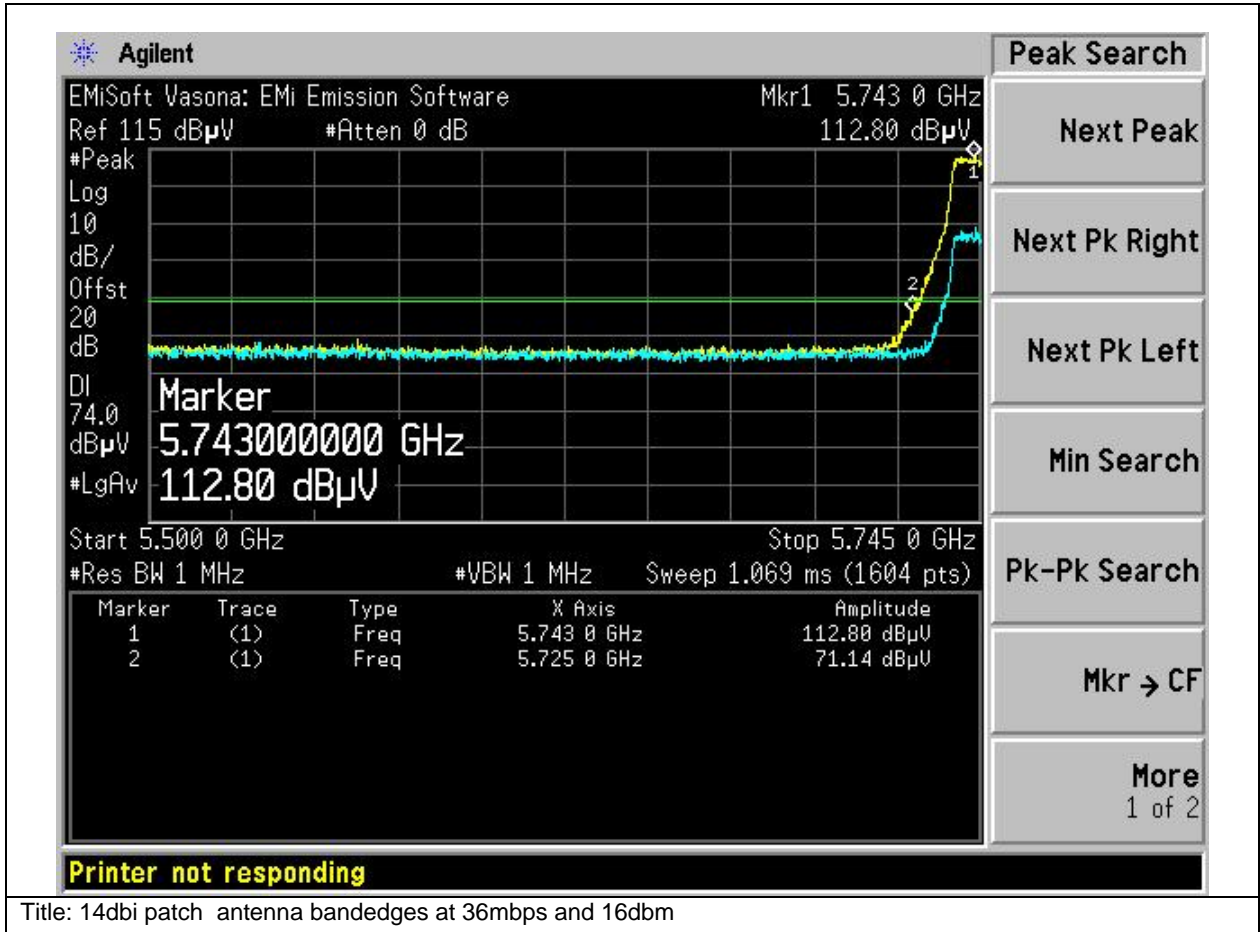
**14dbi patch antenna 5.745GHz. bandedges at 36mbps and 16dbm Ave**



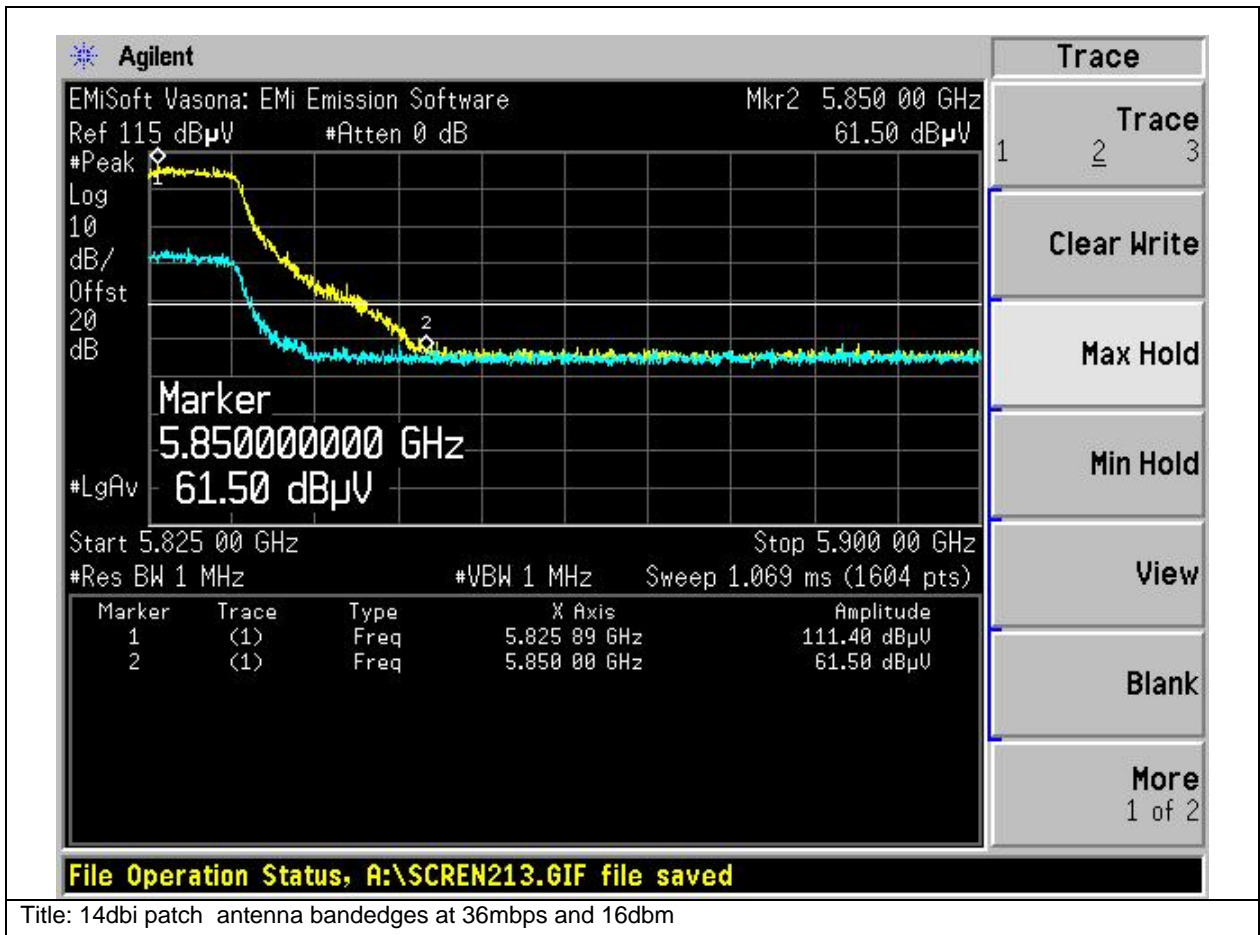
Title: 14dbi patch antenna bandedges at 36mbps and 16dbm



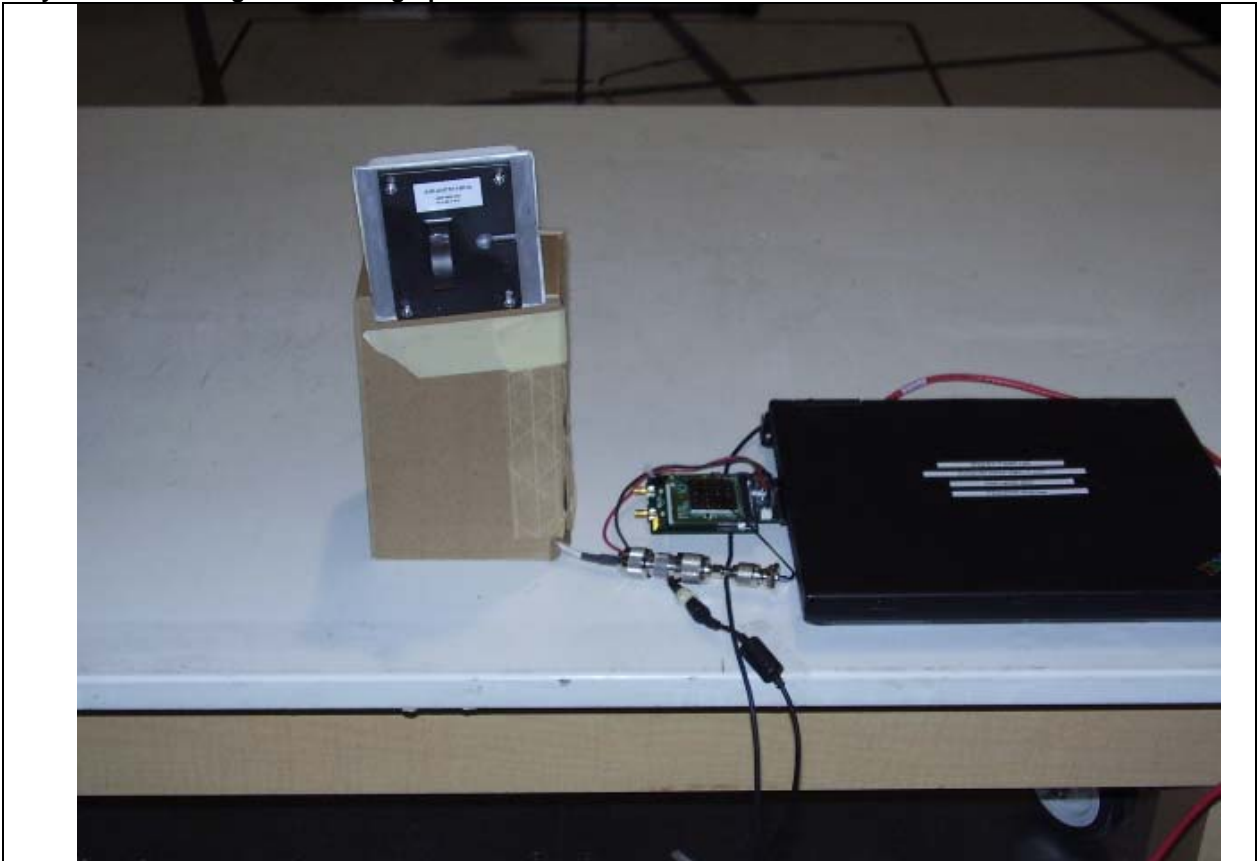
**14dbi patch antenna 5.825GHz. bandedges at 36mbps and 16dbm Peak**



### 14dbi patch antenna 5.825GHz. bandedges at 36mbps and 16dbm Peak



**Physical Test arrangement Photograph:**



**Title:** Bandedge measurements test setup

**Comments on the above Photograph:**

No further comments





**Title:** Bandedge measurements test setup

**Comments on the above Photograph:**

No further comments



**Title:** Bandedge measurements test setup



**Title:** Bandedge measurements test setup

**Comments on the above Photograph:**

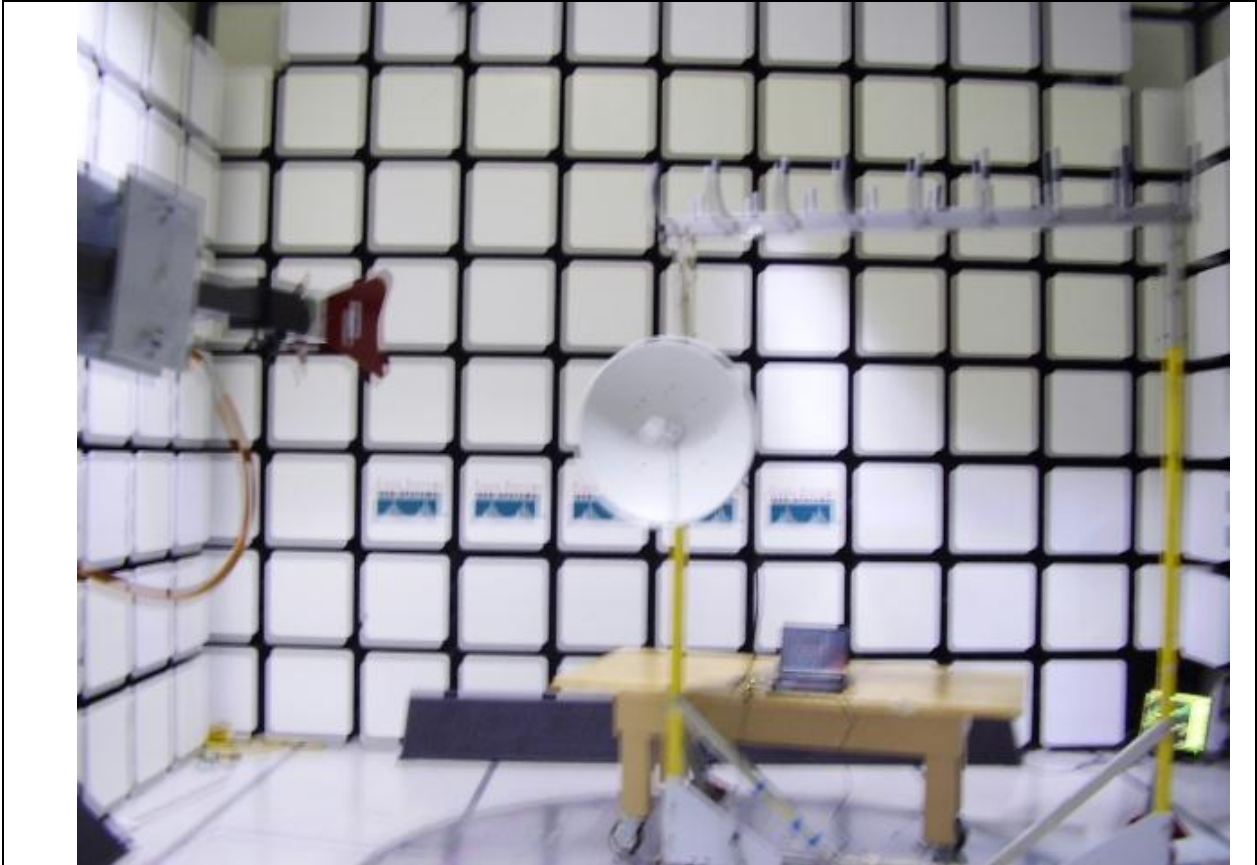
No further comments



**Title:** Bandedge measurements test setup

**Comments on the above Photograph:**

No further comments



**Title:** Bandedge measurements test setup

**Comments on the above Photograph:**

No further comments

**Comments on the above Photograph:**



No further comments





**Radiated emissions**

<b>Test Number:</b> 29621		<b>Spec ID:</b> 647		
<b>Basic Standard</b>	<b>Applied to</b>	<b>Class</b>	<b>Freq Range</b>	<b>Test Details / Comments</b>
Radiated Spurious Emissions	Enclosure	B	30MHz - 26.5GHz	CFR47 Part 15.109CFR47 Part 15.247, RSS-210, LP0002 HKTA1039
<b>Operating Mode</b>	<b>Mode :</b> 1, Continuous transmit mode			
<b>Power Input</b>	5, DC (+/-20%)			
<b>Overall Result</b>	Pass			
<b>Comments</b>	No further comments			
<b>Deviation</b>	There were no deviations from the specification			

System Number	Description	Samples	System under test	Support equipment
2	Support equipment	S02, S03 and S04	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Patch antenna test setup	S01 and S06	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	9dbi Omni antenna test setup	S01 and S08	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	28dbi Dish antenna test setup	S01 and S09	<input checked="" type="checkbox"/>	<input type="checkbox"/>

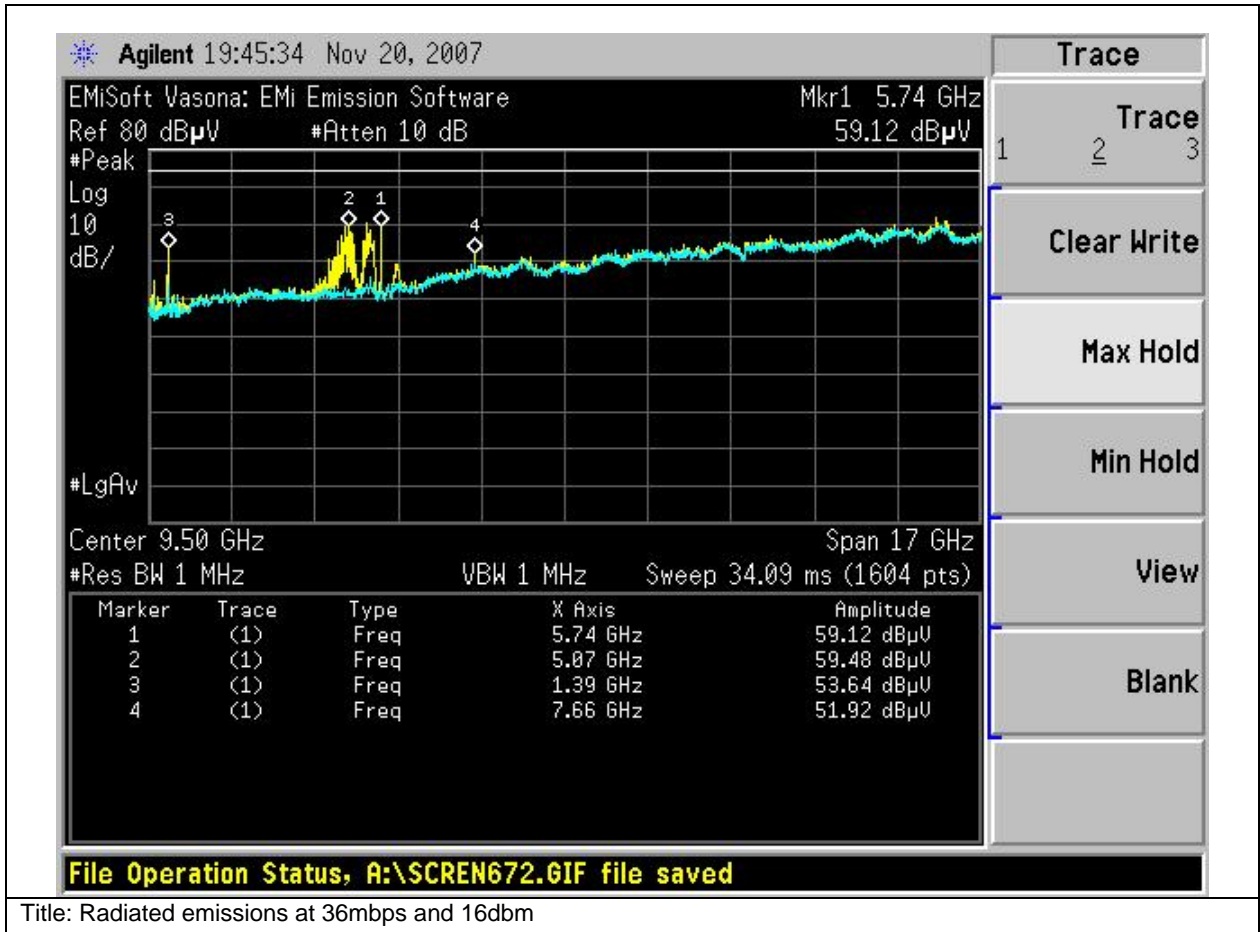
<b>Subtest Number:</b> 29621 - 1		<b>Subtest Date:</b> 03-Dec-2007
<b>Engineer</b>	Donald Foster	
<b>Lab Information</b>	Building P, 5m Anechoic	
<b>Subtest Results</b>		
<b>Subtest Title</b>	N/A	
<b>Subtest Result</b>	Pass	
<b>Highest Frequency</b>	N/A	
<b>Lowest Frequency</b>	N/A	
<b>Comments on the above Test Results</b>	No further comments	

**Graphical Test Results**

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

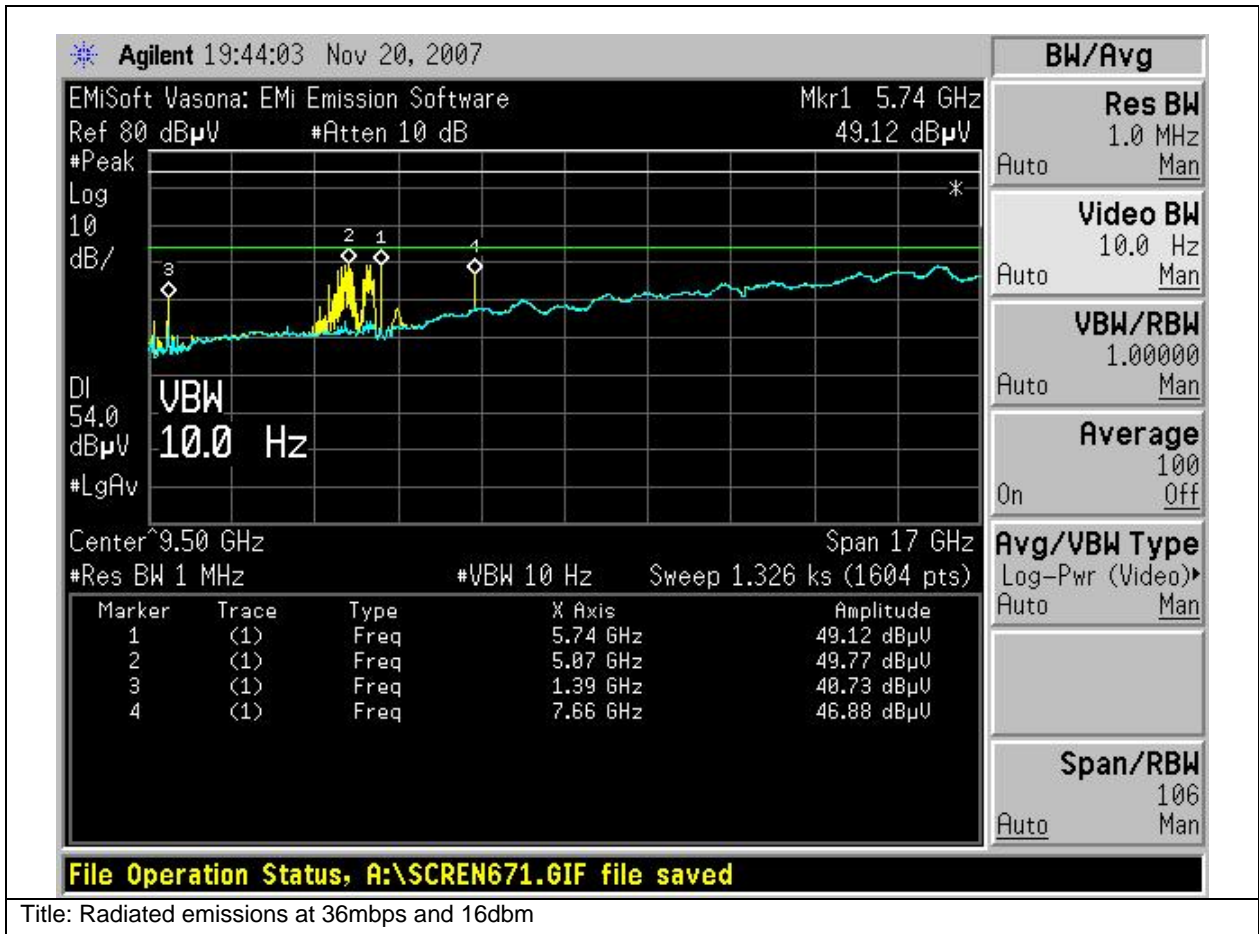
**There were no emissions above 18GHz. To record**

**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 28dbi dish antenna at channel 5745 Peak**



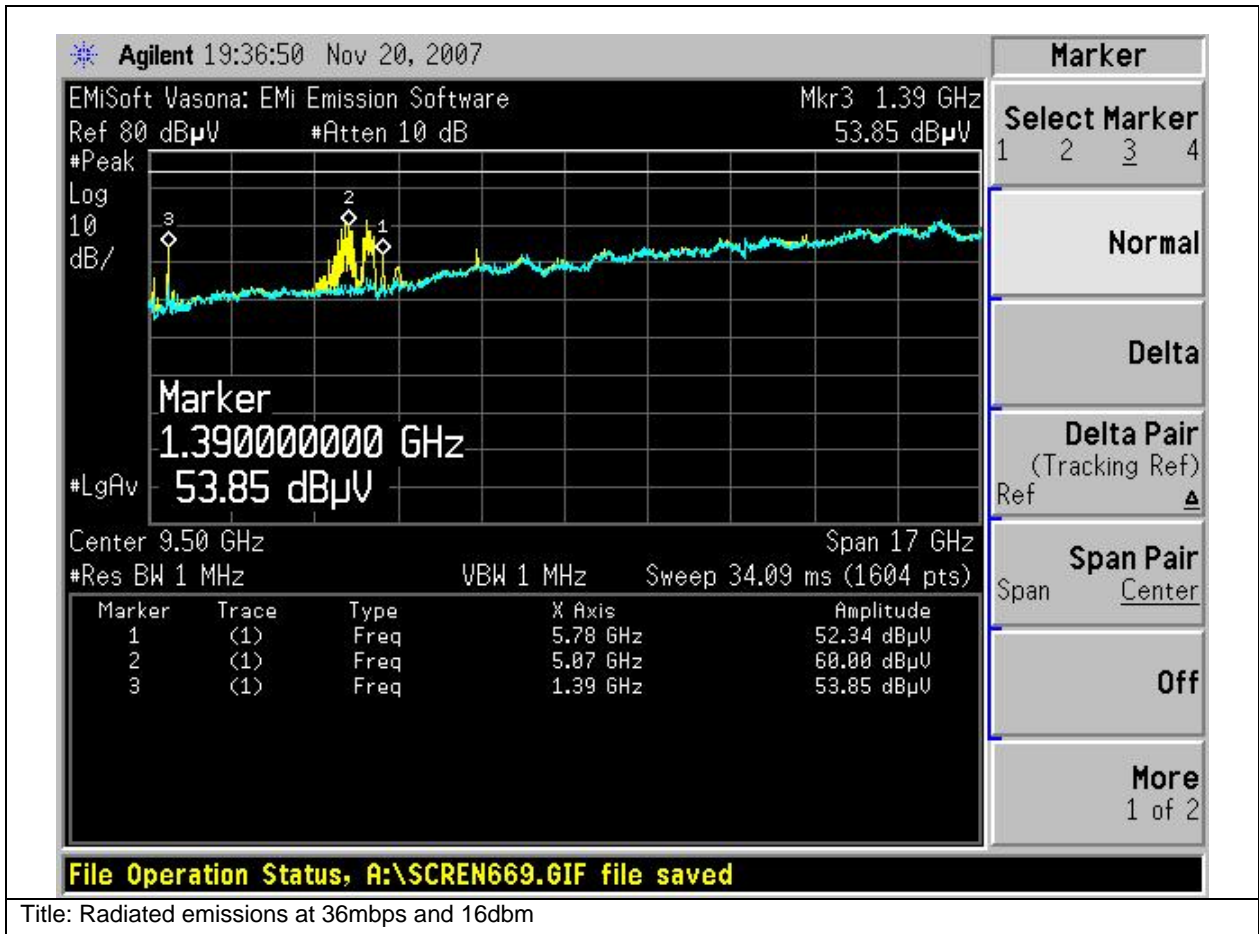


**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 28dbi dish antenna at channel 5745 Ave**

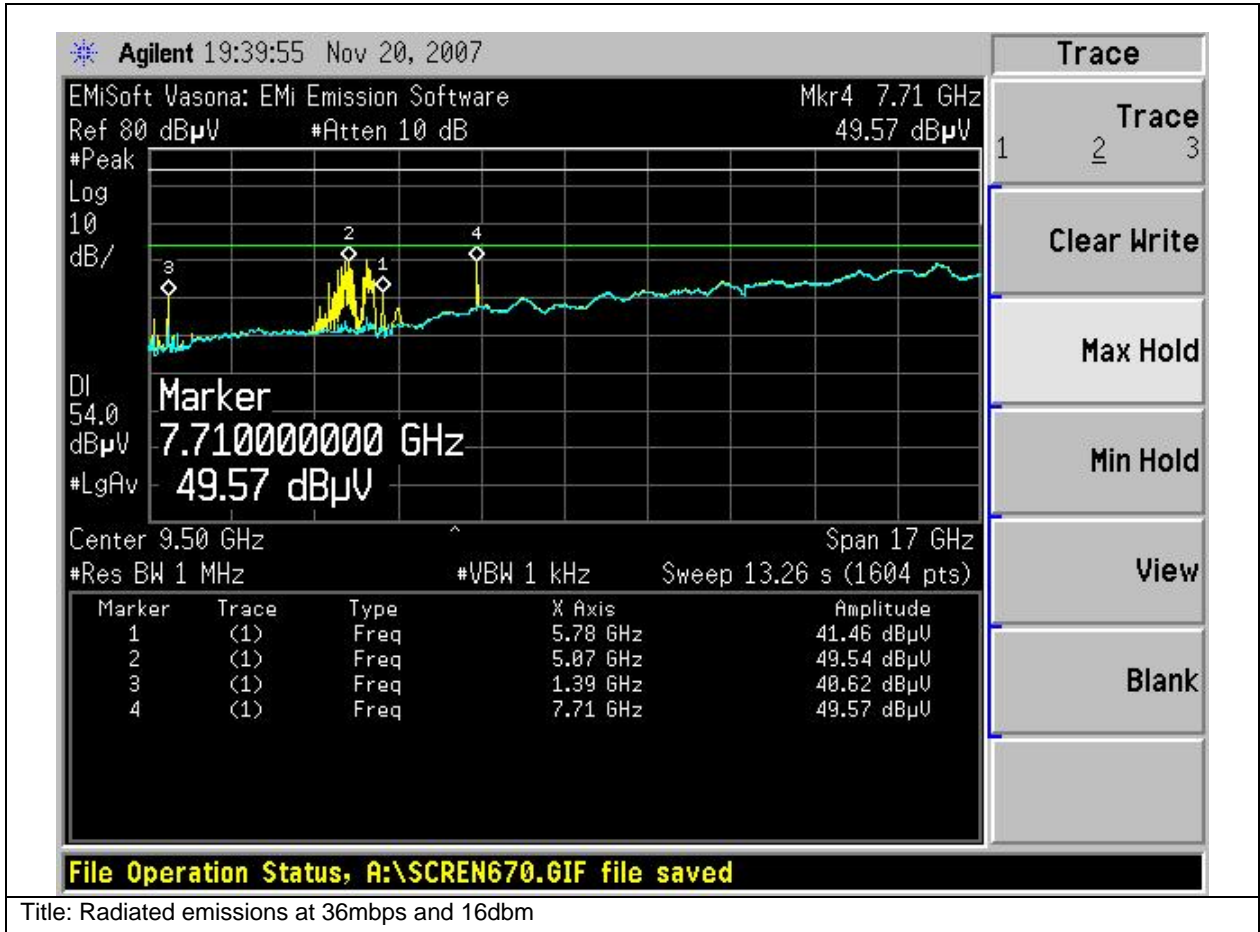


Title: Radiated emissions at 36mbps and 16dbm

**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 28dbi dish antenna at channel 5785 Peak**

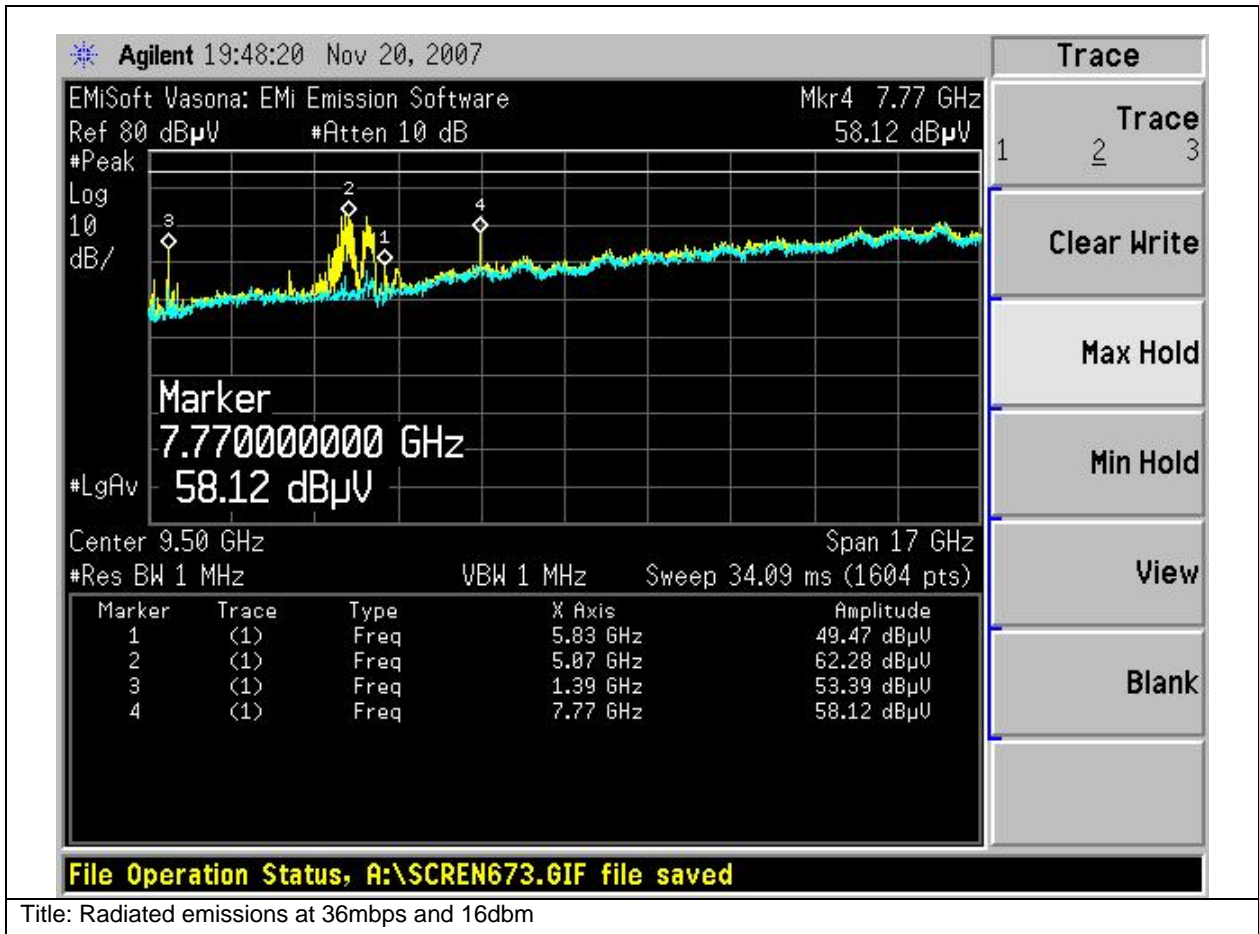


**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 28dbi dish antenna at channel 5785 Ave**



Title: Radiated emissions at 36mbps and 16dbm

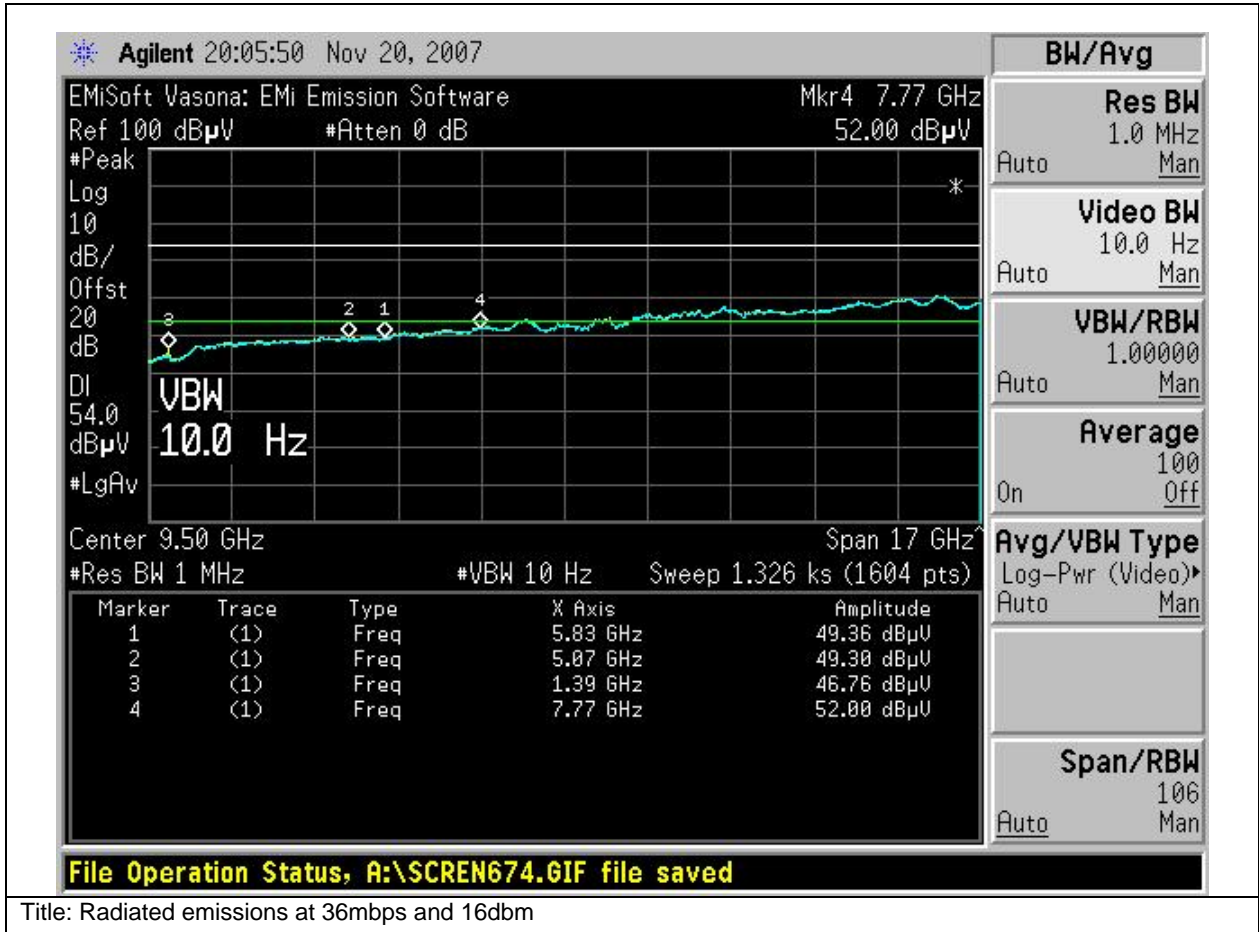
**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 14dbi patch antenna at channel 5825 Peak**







**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 28dbi dish antenna at channel 5825 Ave**



Title: Radiated emissions at 36mbps and 16dbm

<b>Subtest Number:</b> 29621 - 3		<b>Subtest Date:</b> 28-Feb-2008	
<b>Engineer</b>	Donald Foster		
<b>Lab Information</b>	Building P, 5m Anechoic		
<b>Subtest Results</b>			
<b>Subtest Title</b>	N/A		
<b>Subtest Result</b>	Pass		
<b>Highest Frequency</b>	N/A		
<b>Lowest Frequency</b>	N/A		
<b>Comments on the above Test Results</b>	No further comments		

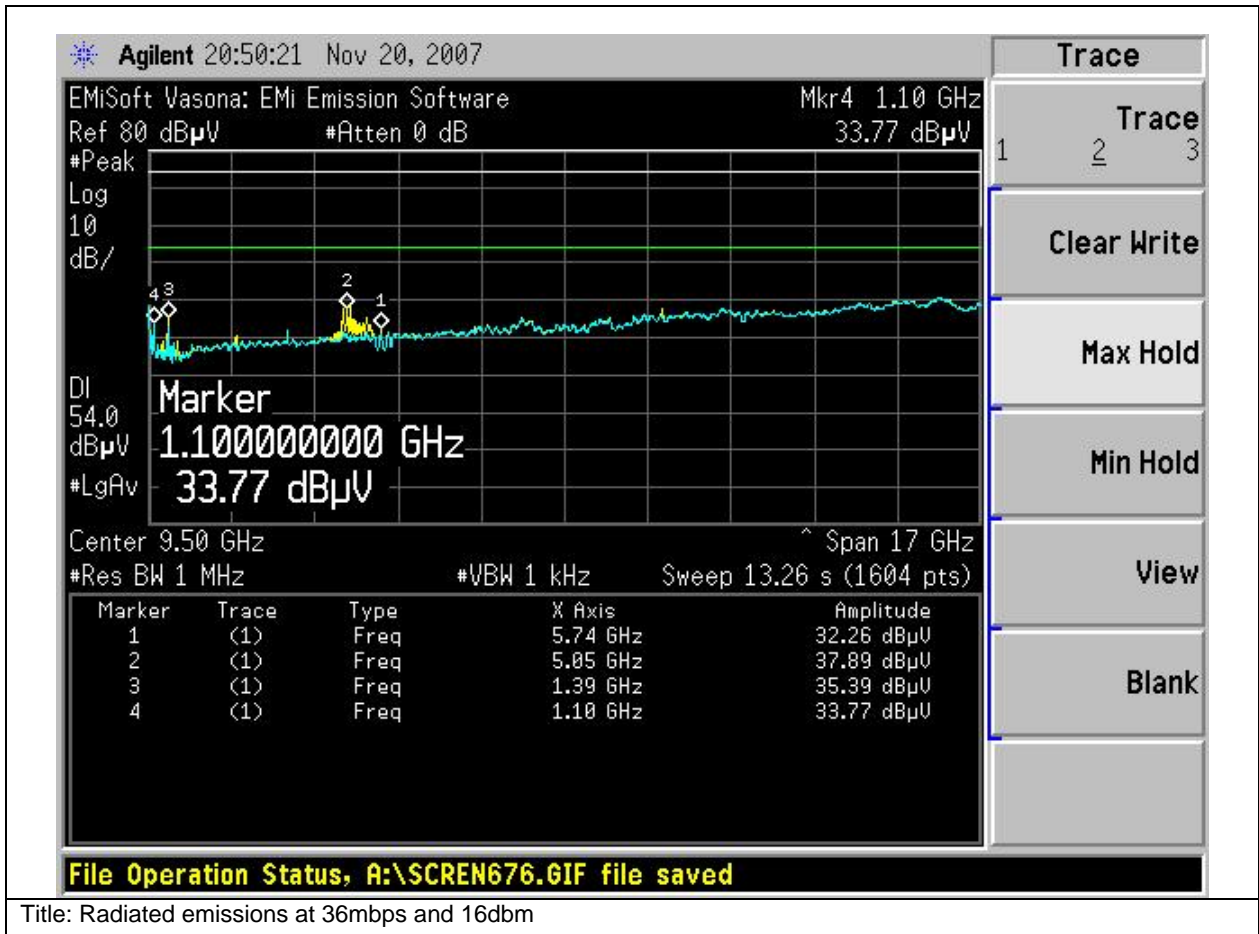


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**Graphical Test Results**

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

**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 9dbi Omni antenna at channel 5745 Ave**



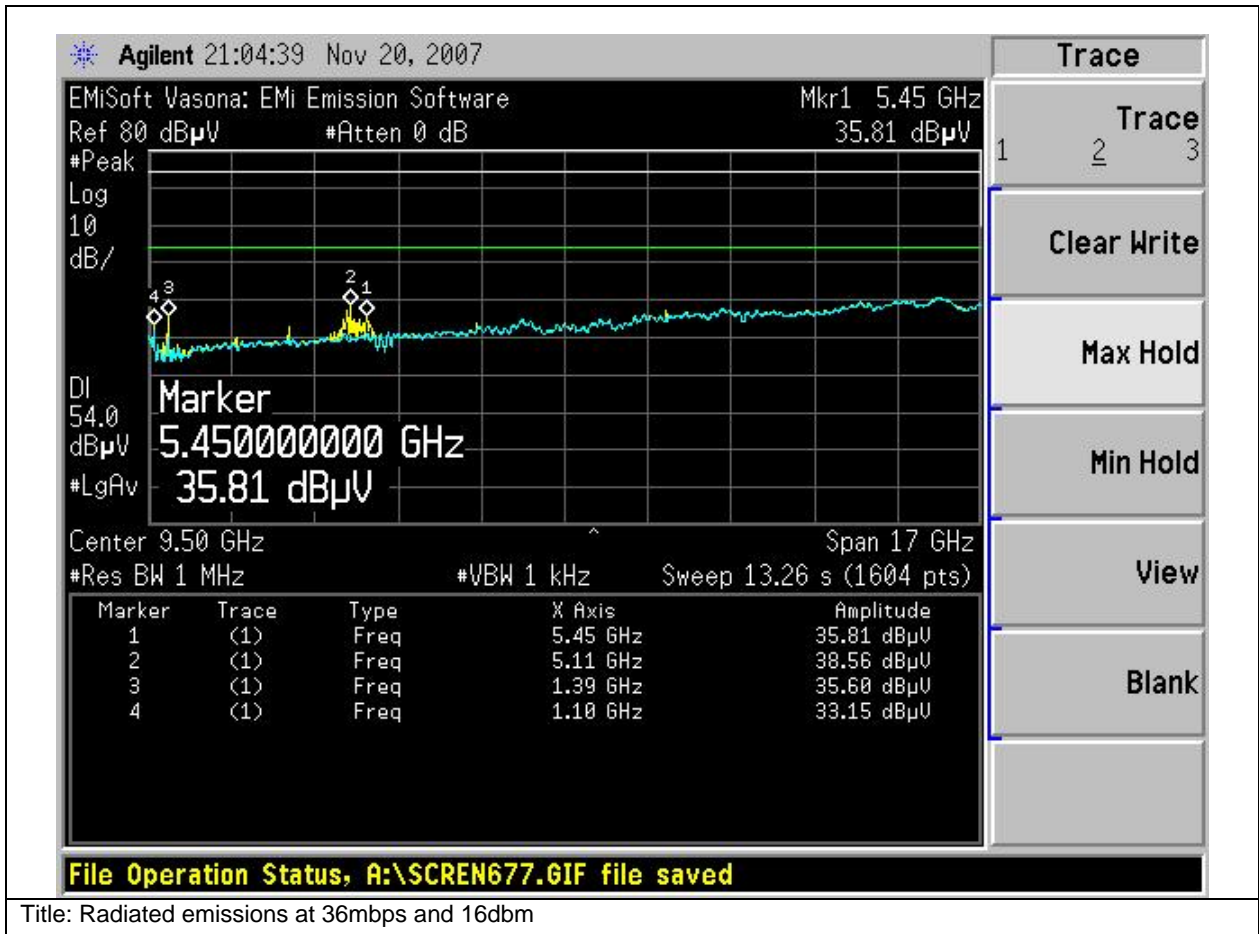
Title: Radiated emissions at 36mbps and 16dbm

**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 9dbi Omni antenna at channel 5745 Peak**



Title: Radiated emissions at 36mbps and 16dbm

**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 9dbi Omni antenna at channel 5785 Ave**



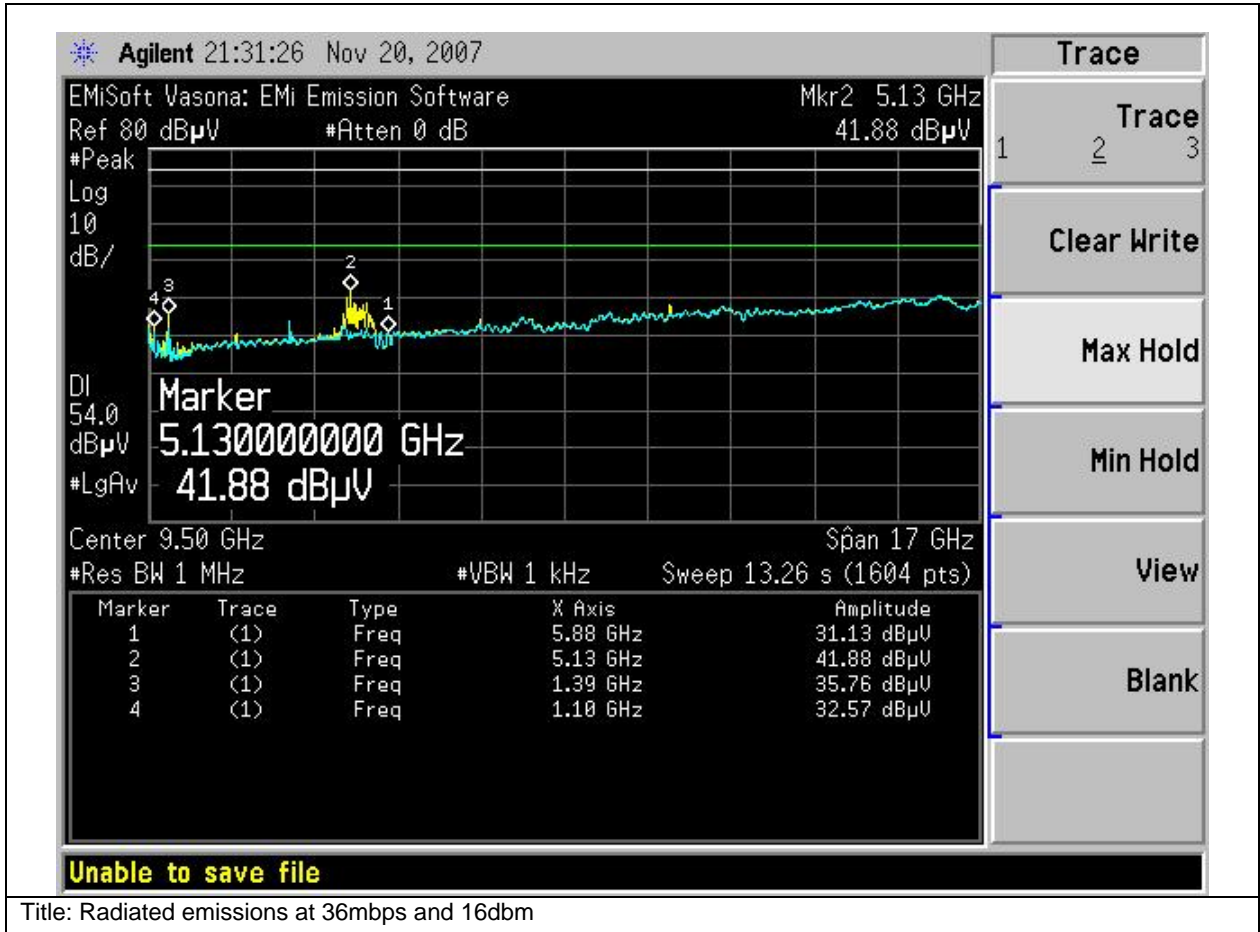
**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 9dbi Omni antenna at channel 5785 Peak**



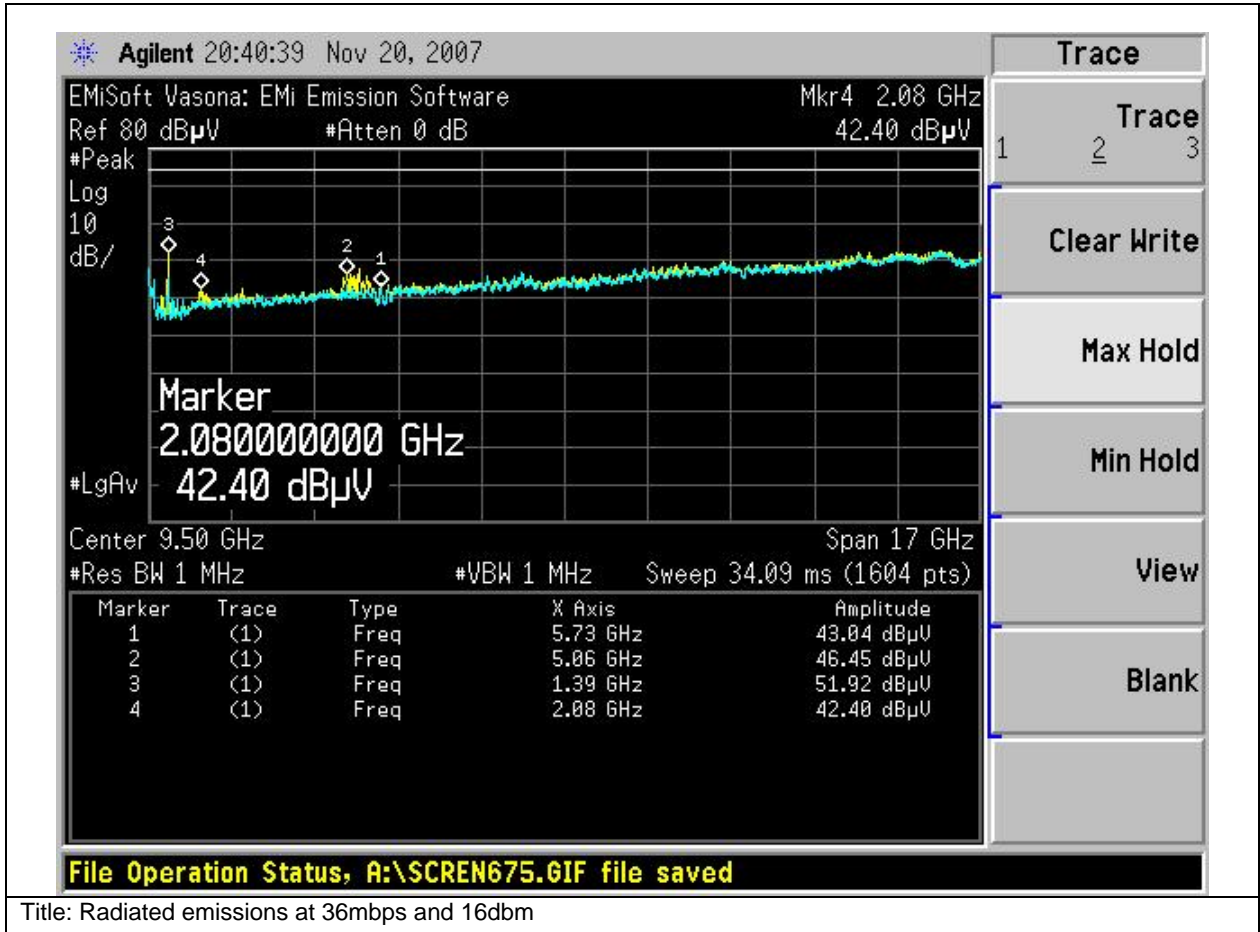




**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 9dbi Omni antenna at channel 5825 Ave**



**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 9dbi Omni antenna at channel 5825 Peak**

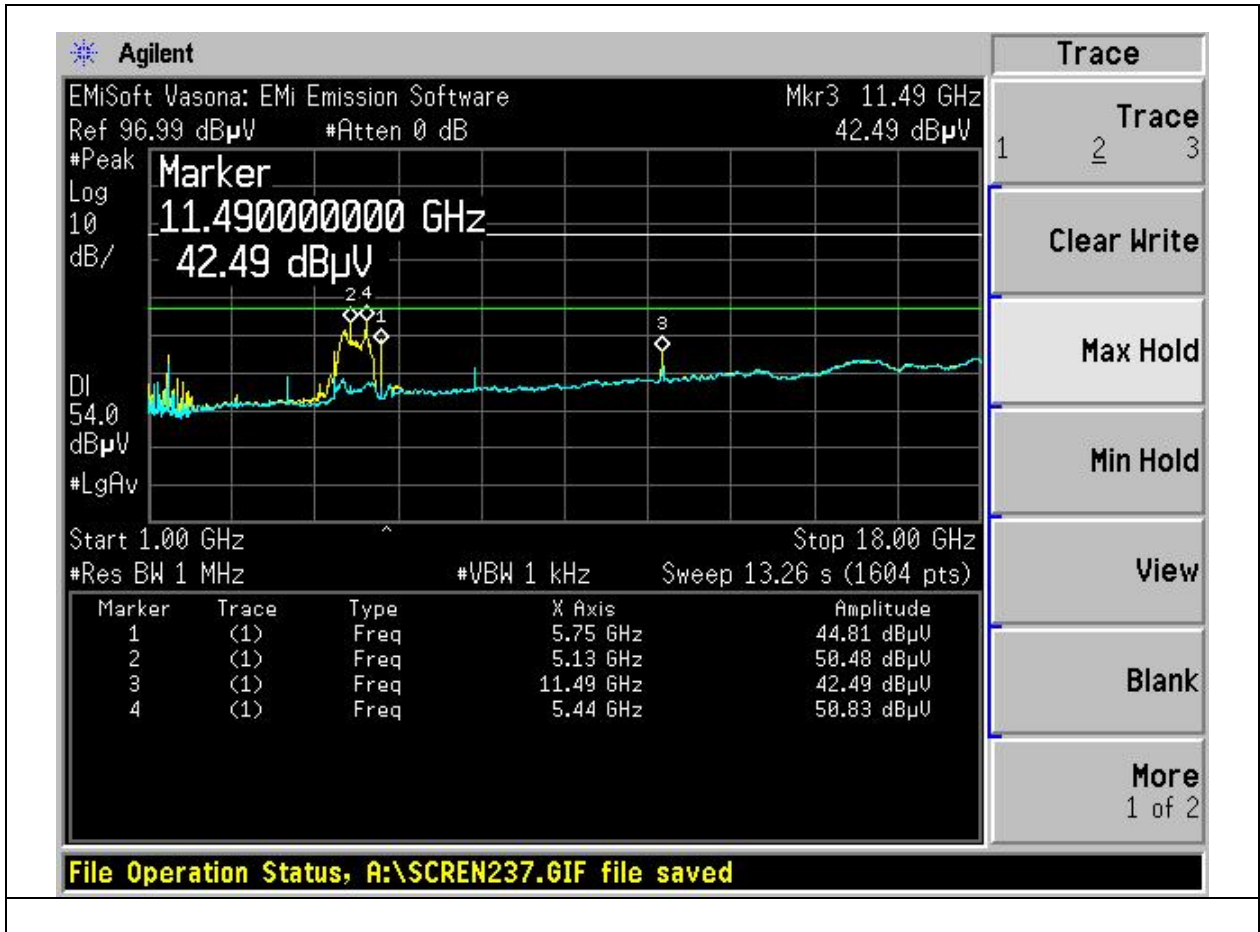




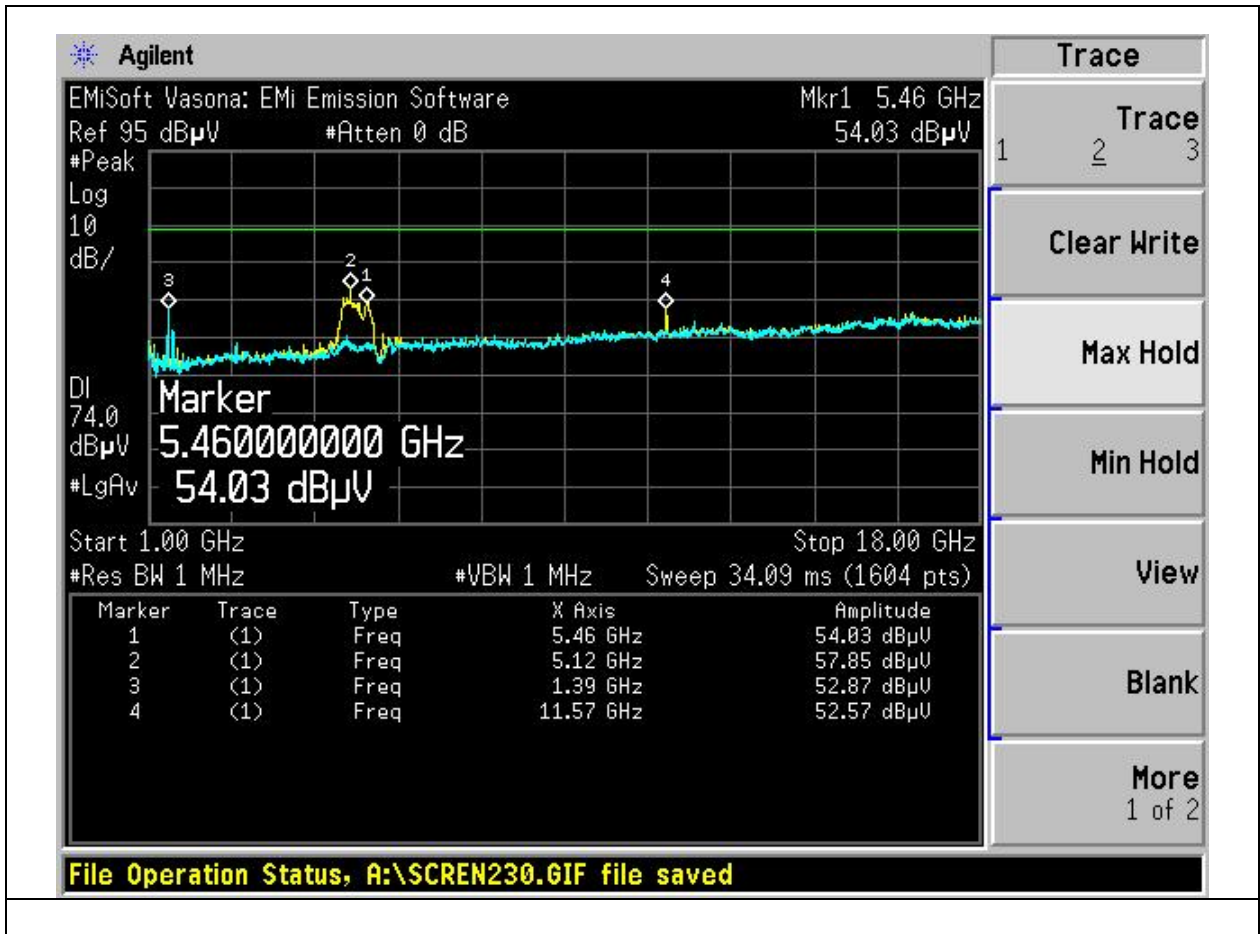
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<b>Subtest Number:</b> 29621 - 1		<b>Subtest Date:</b> 03-Dec-2007
<b>Engineer</b>	Donald Foster	
<b>Lab Information</b>	Building P, 5m Anechoic	
<b>Subtest Results</b>		
<b>Subtest Title</b>	N/A	
<b>Subtest Result</b>	Pass	
<b>Highest Frequency</b>	N/A	
<b>Lowest Frequency</b>	N/A	
<b>Comments on the above Test Results</b>	No further comments	

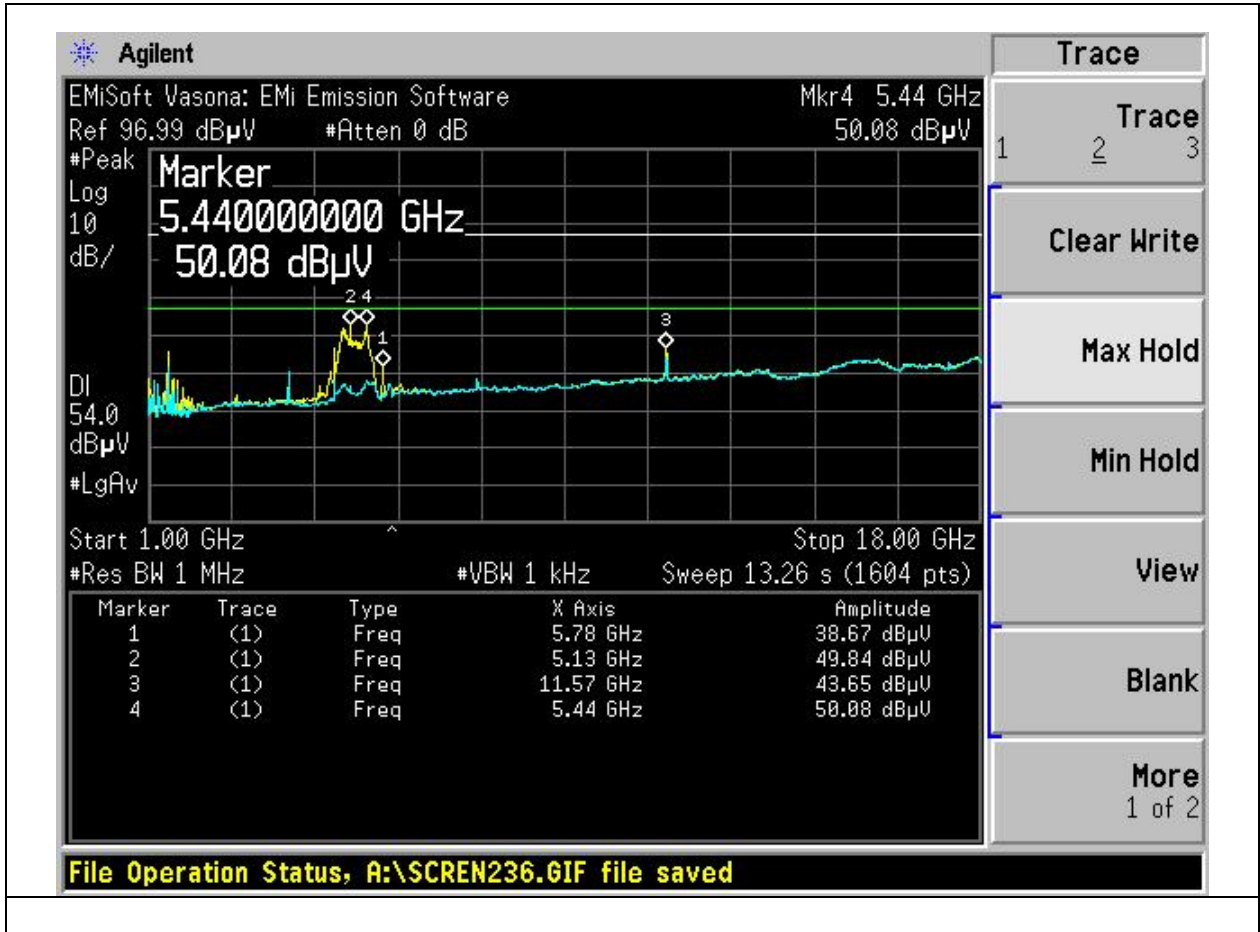
**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 14dbi patch antenna at channel 5745 Ave**



**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 14dbi patch antenna at channel 5745 Peak**

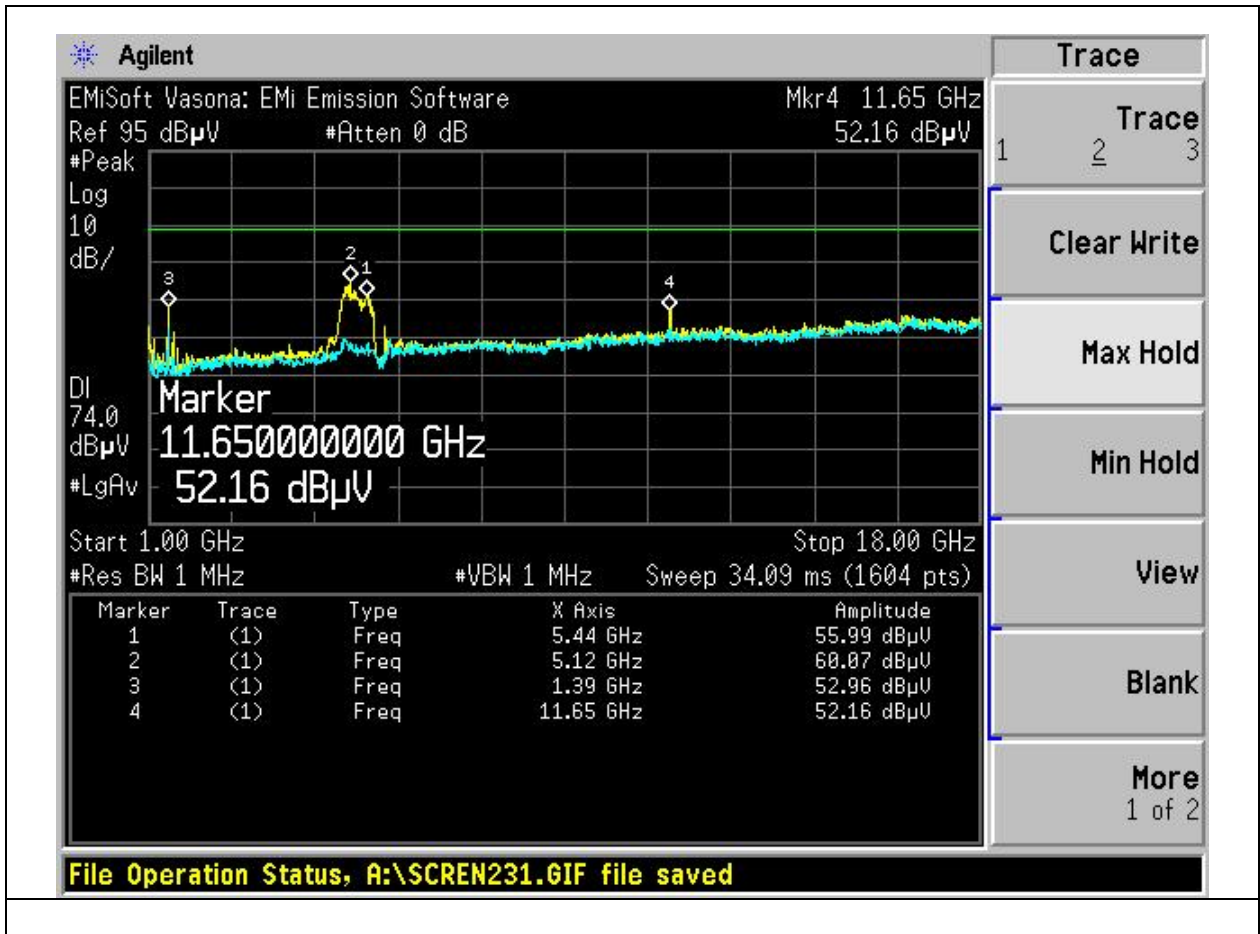


**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 14dbi patch antenna at channel 5785 Ave**





**Radiated emissions 1-18GHz at 36mbps and 16dbm for the 14dbi patch antenna at channel 5785 Peak**



### Radiated emissions 1-18GHz at 36mbps and 16dbm for the 14dbi patch antenna at channel 5825 Peak

