5. Peak Power Spectrum Density

5.1. Test Equipment

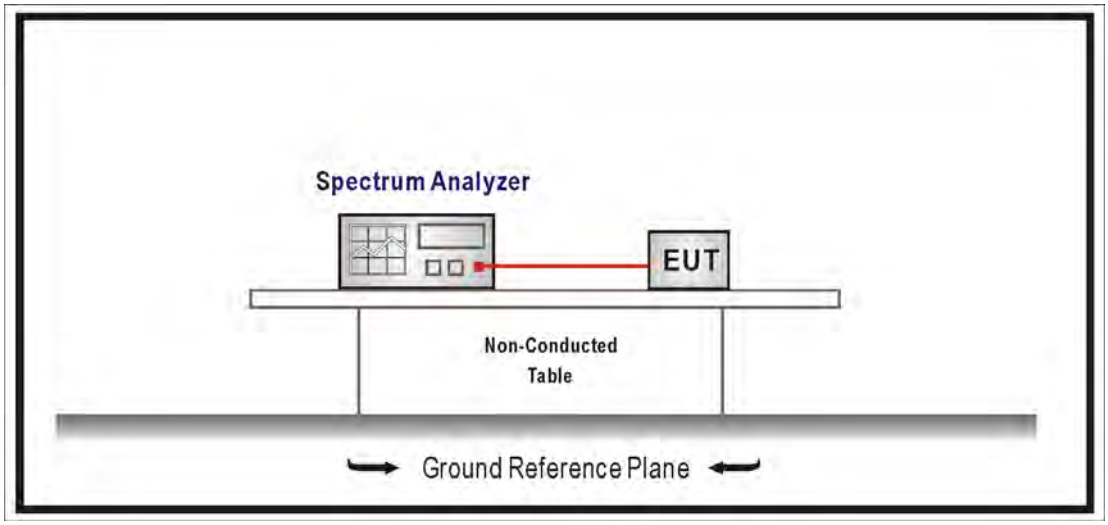
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup



5.3. Limits

1. For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm in any 1MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

5.4. Test Procedure

The EUT was setup to ANSI C63.10:2013; tested to U-NII test procedure of KDB 789033 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

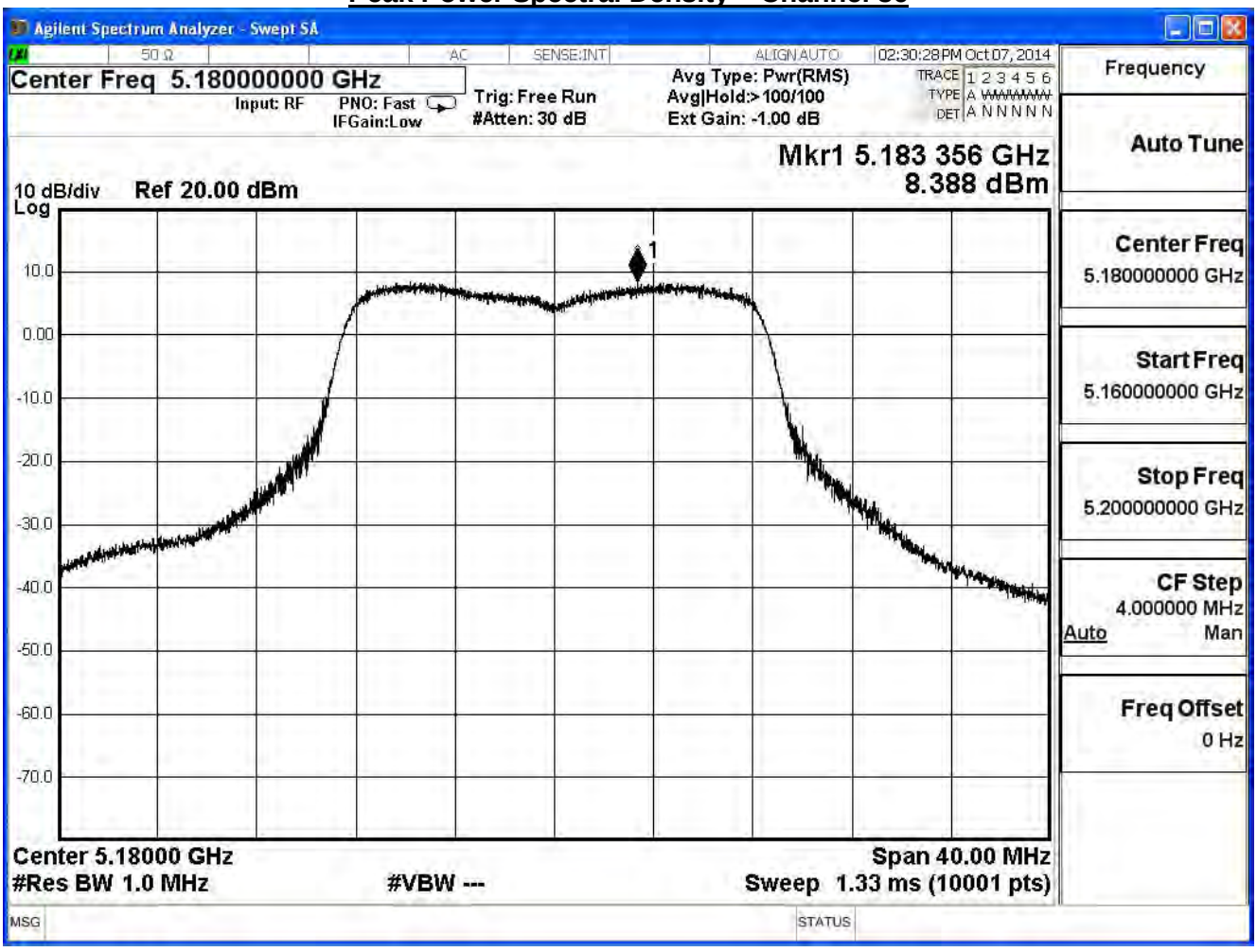
5.6. Test Result

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

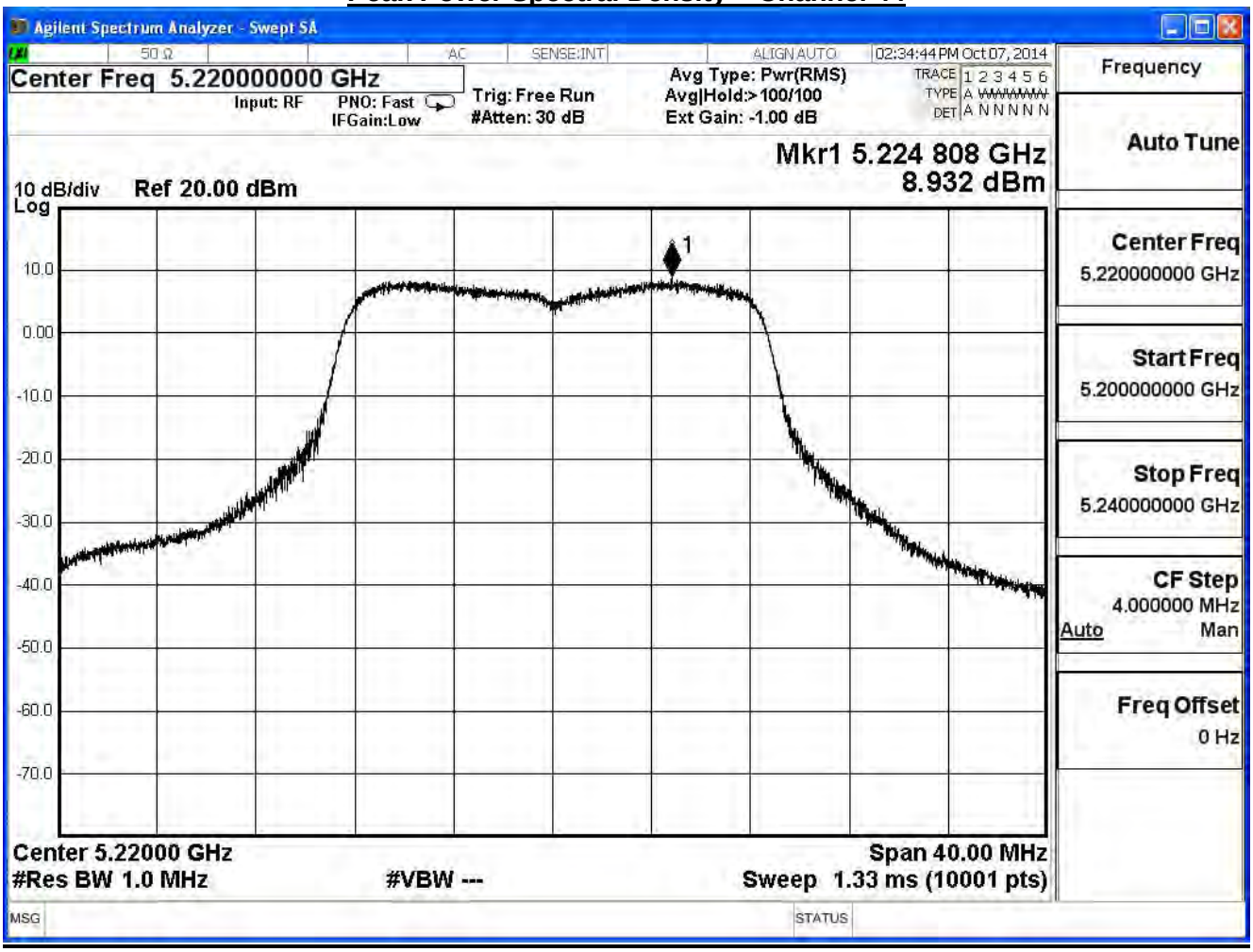
IEEE 802.11a(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	8.388	≦14.10	Pass
44	5220	8.932	≦14.10	Pass
48	5240	8.531	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

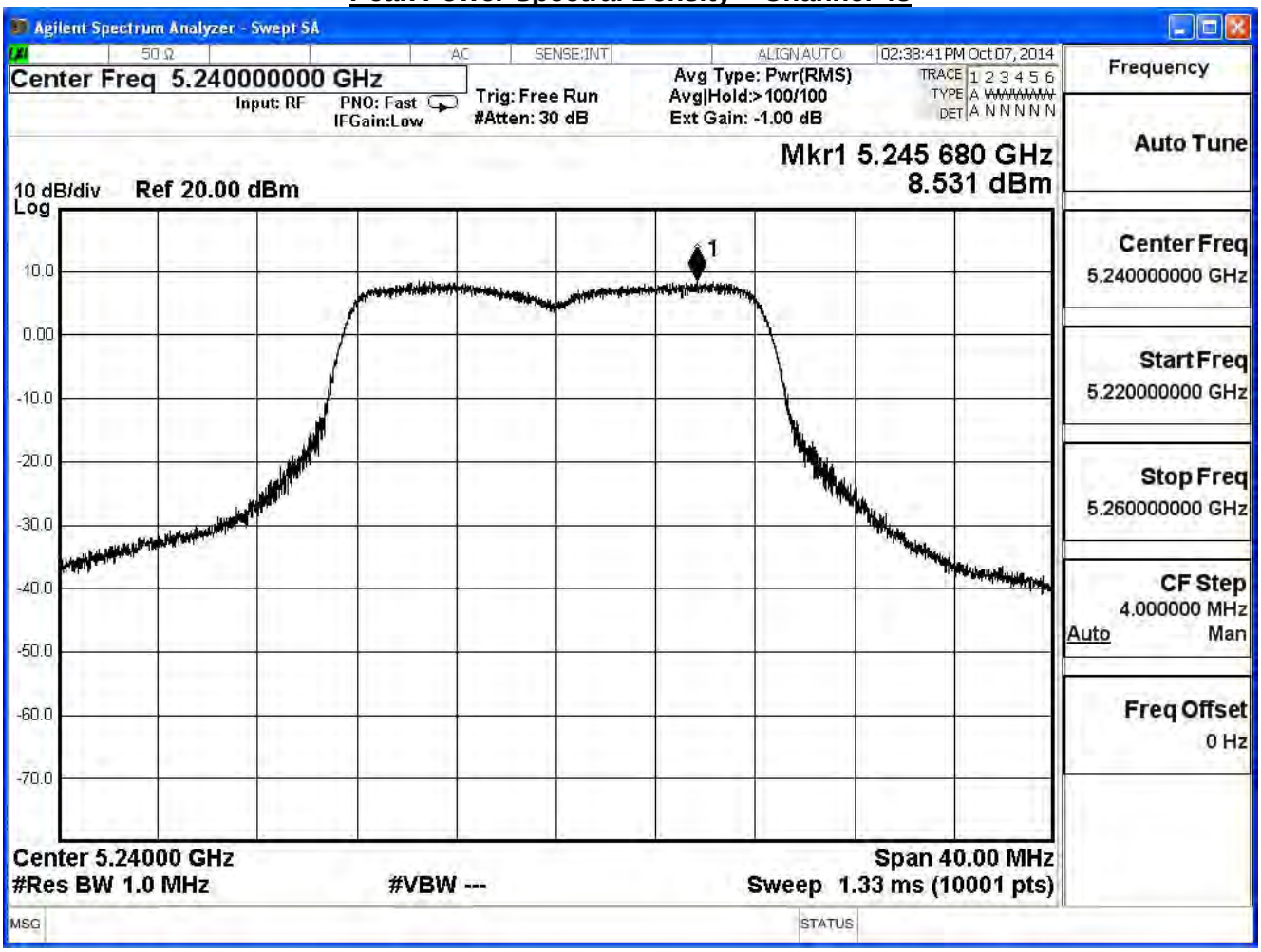
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

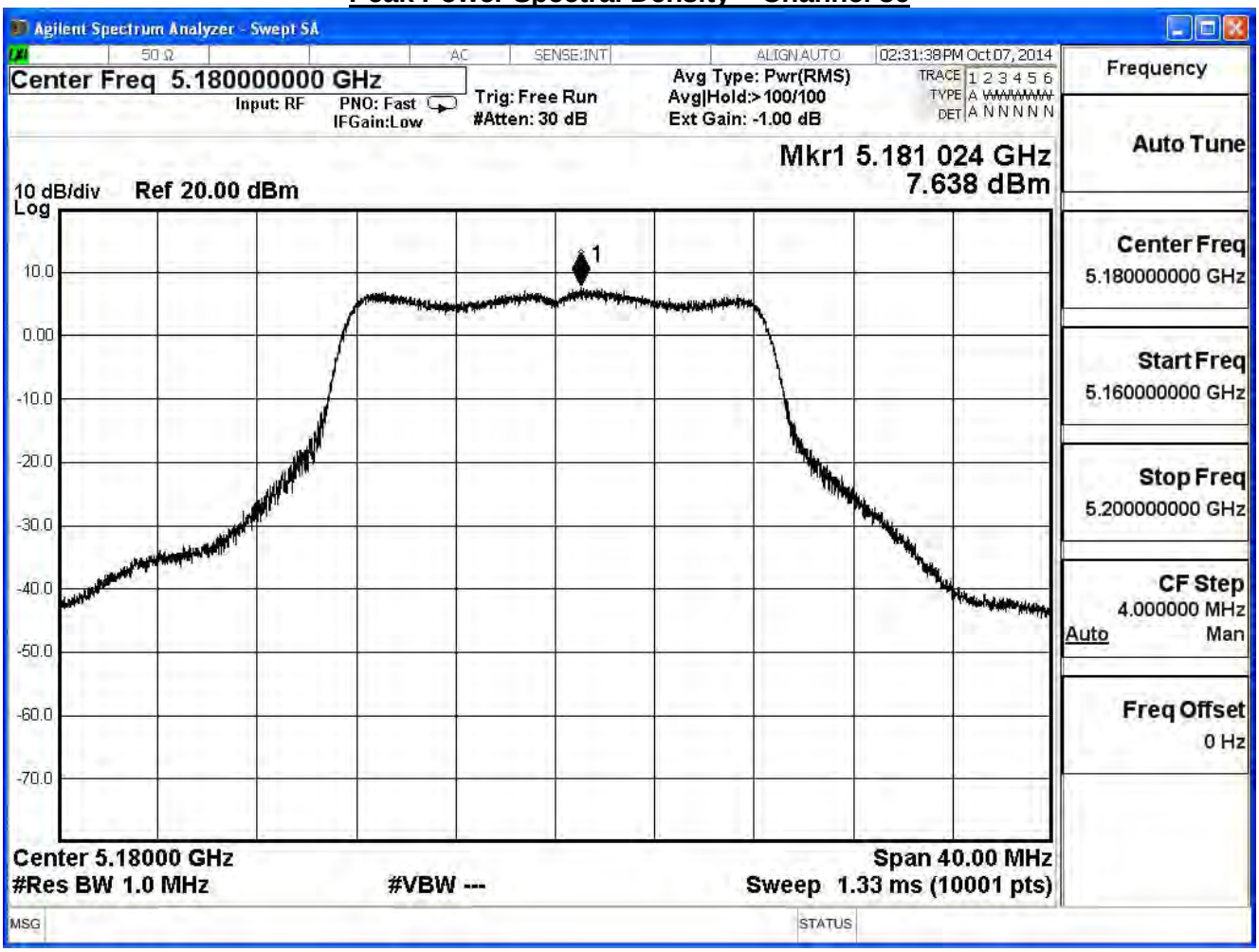


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

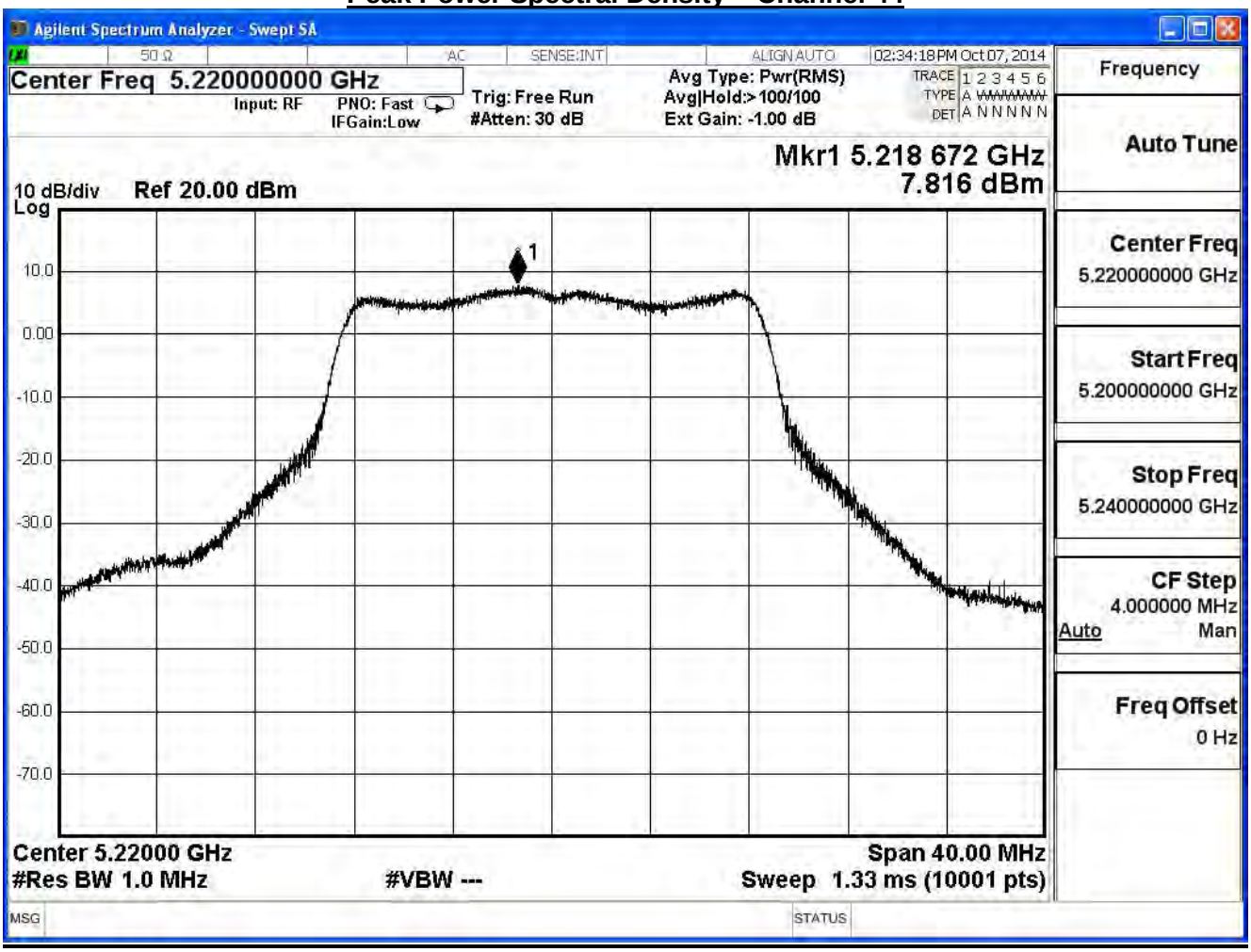
IEEE 802.11a(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.638	≦14.10	Pass
44	5220	7.816	≦14.10	Pass
48	5240	7.934	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

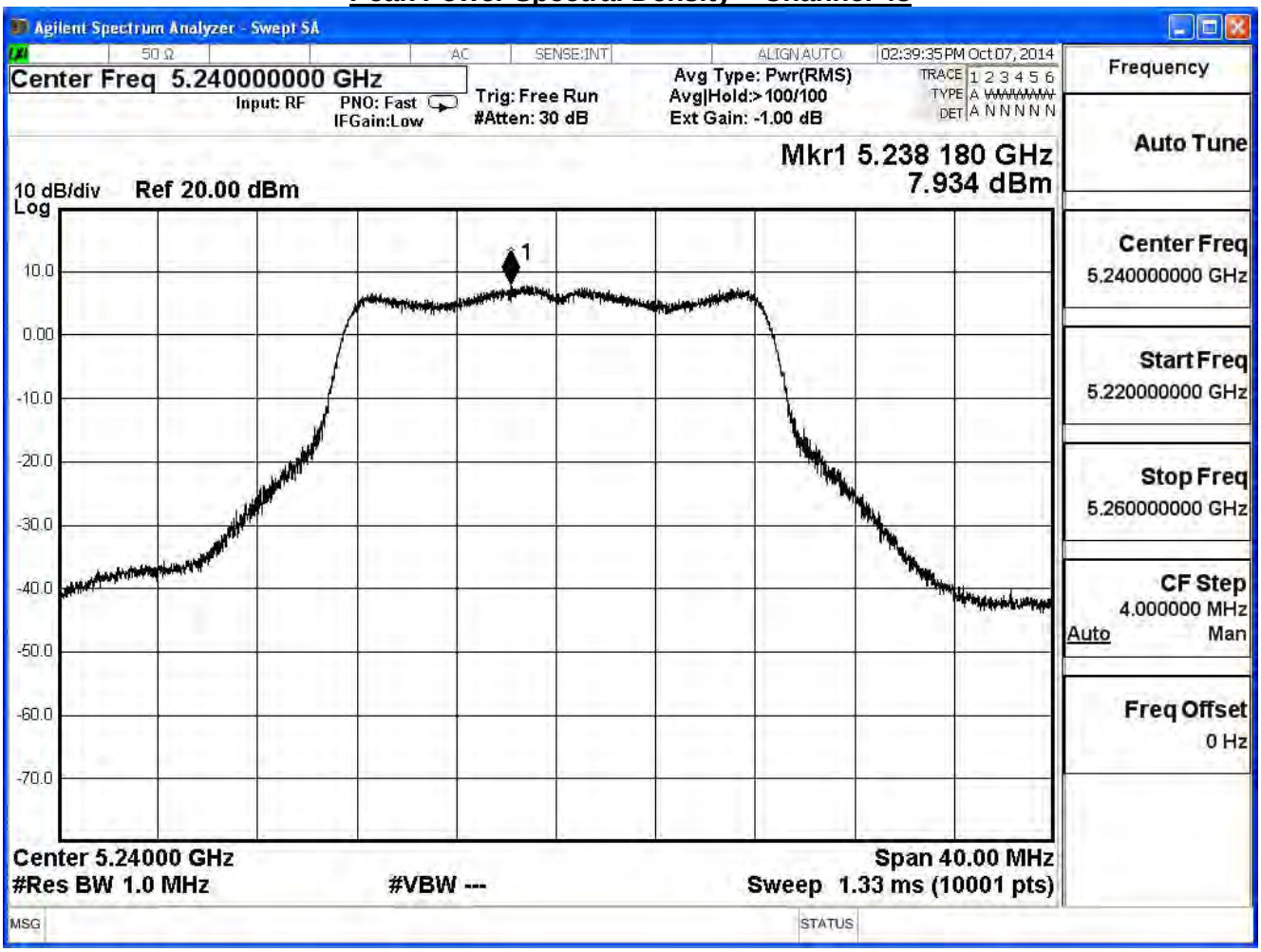
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

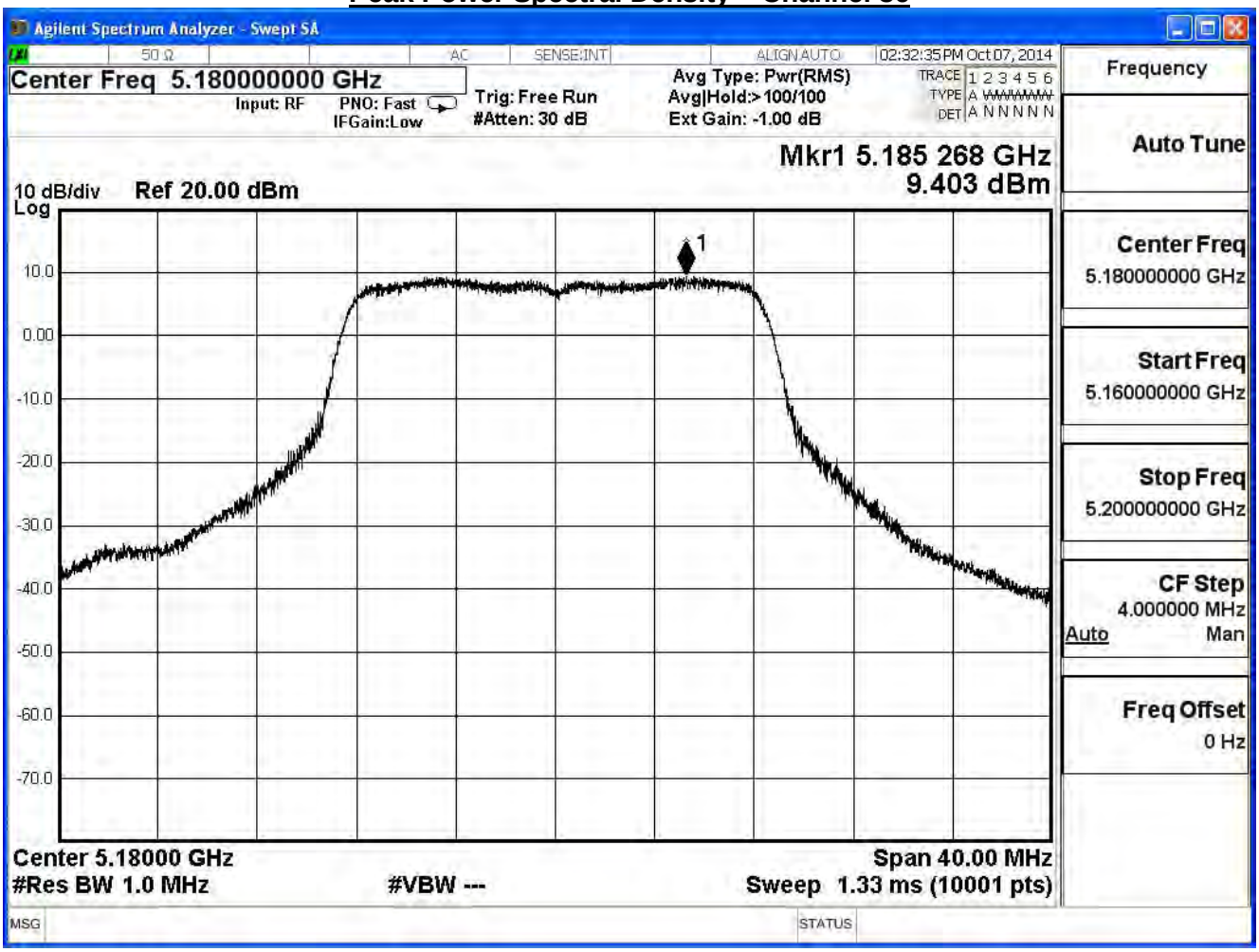


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

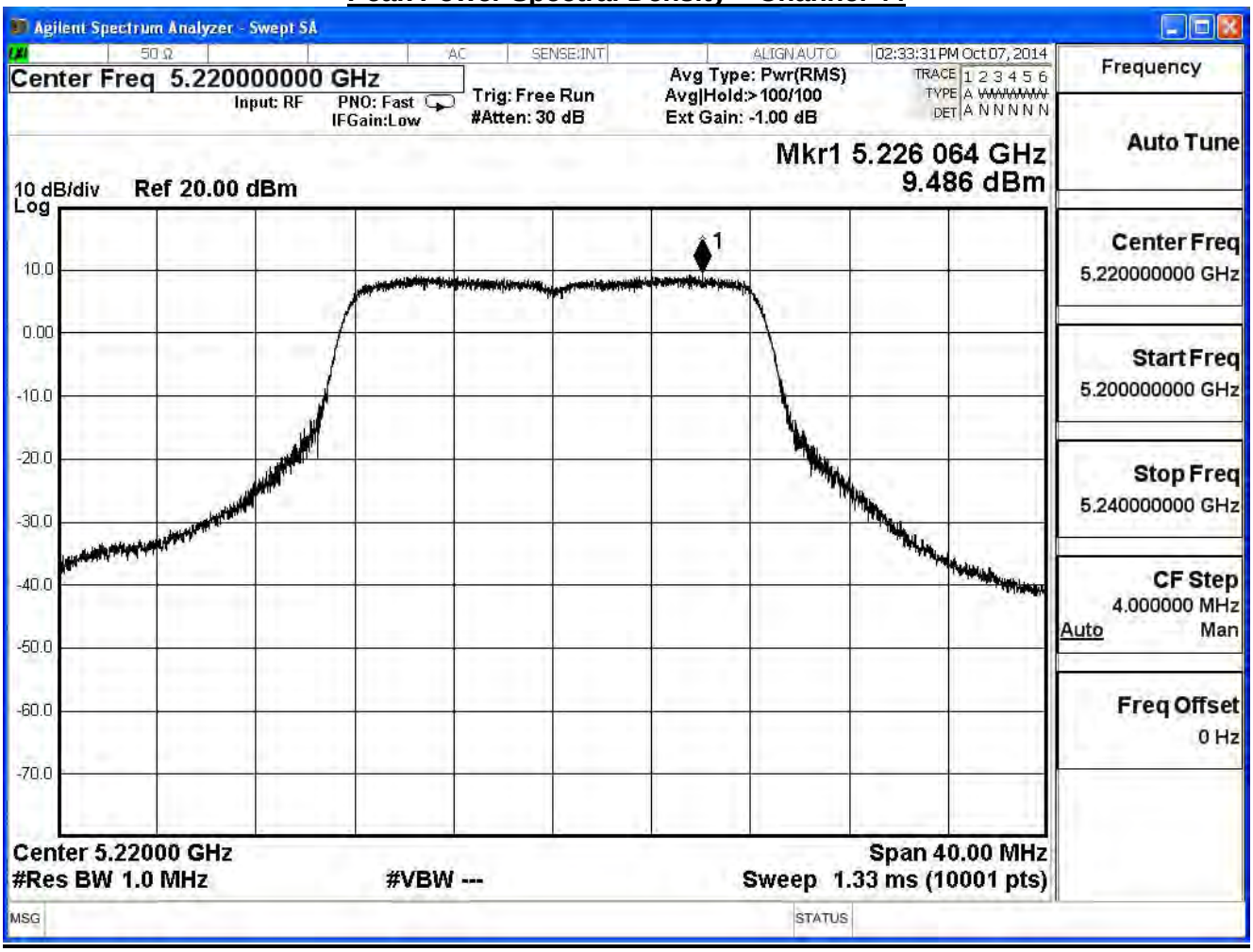
IEEE 802.11a(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	9.403	≦14.10	Pass
44	5220	9.486	≦14.10	Pass
48	5240	9.350	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

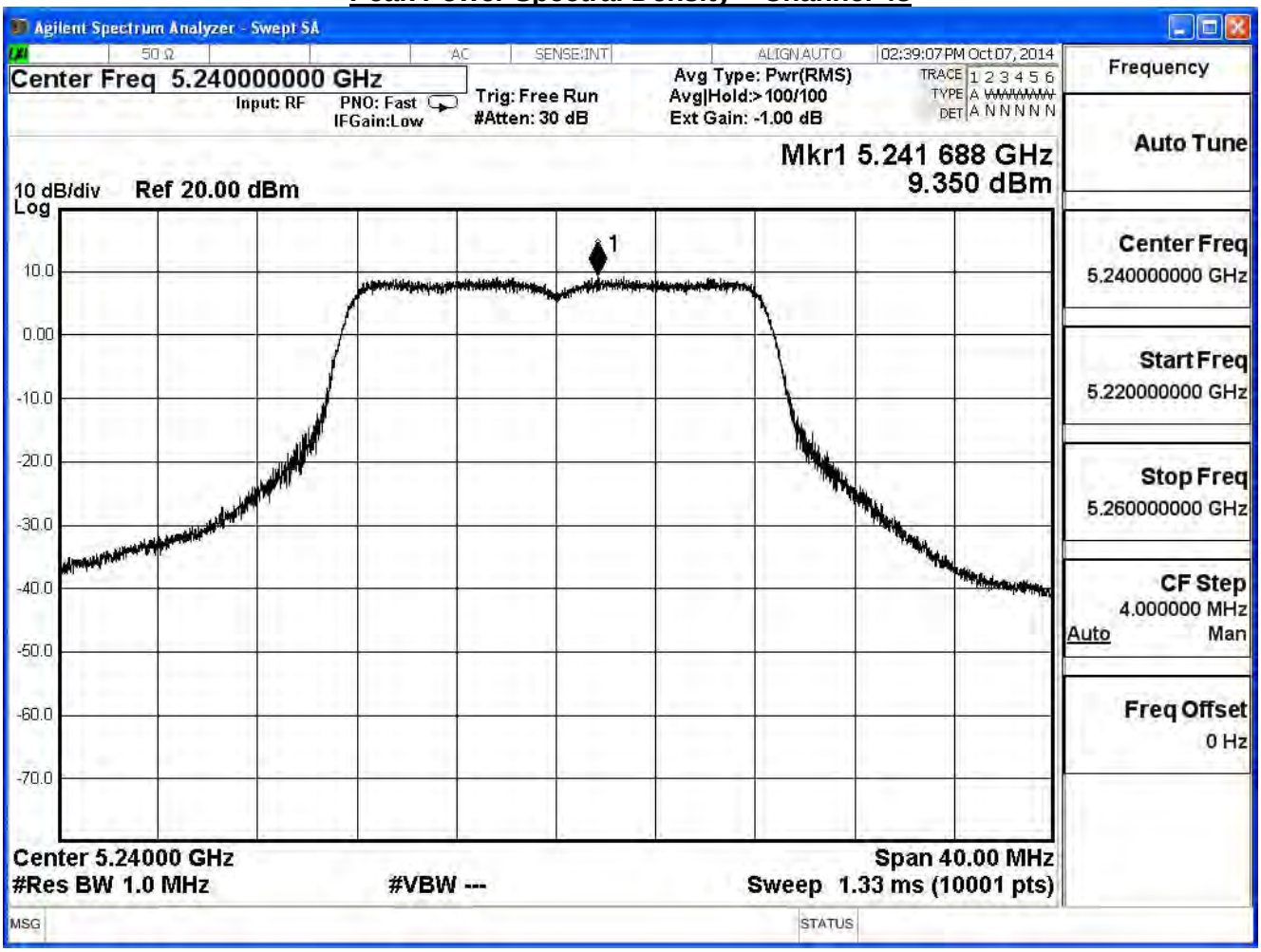
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11a(ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	13.308	≦14.10	Pass
44	5220	13.570	≦14.10	Pass
48	5240	13.415	≦14.10	Pass

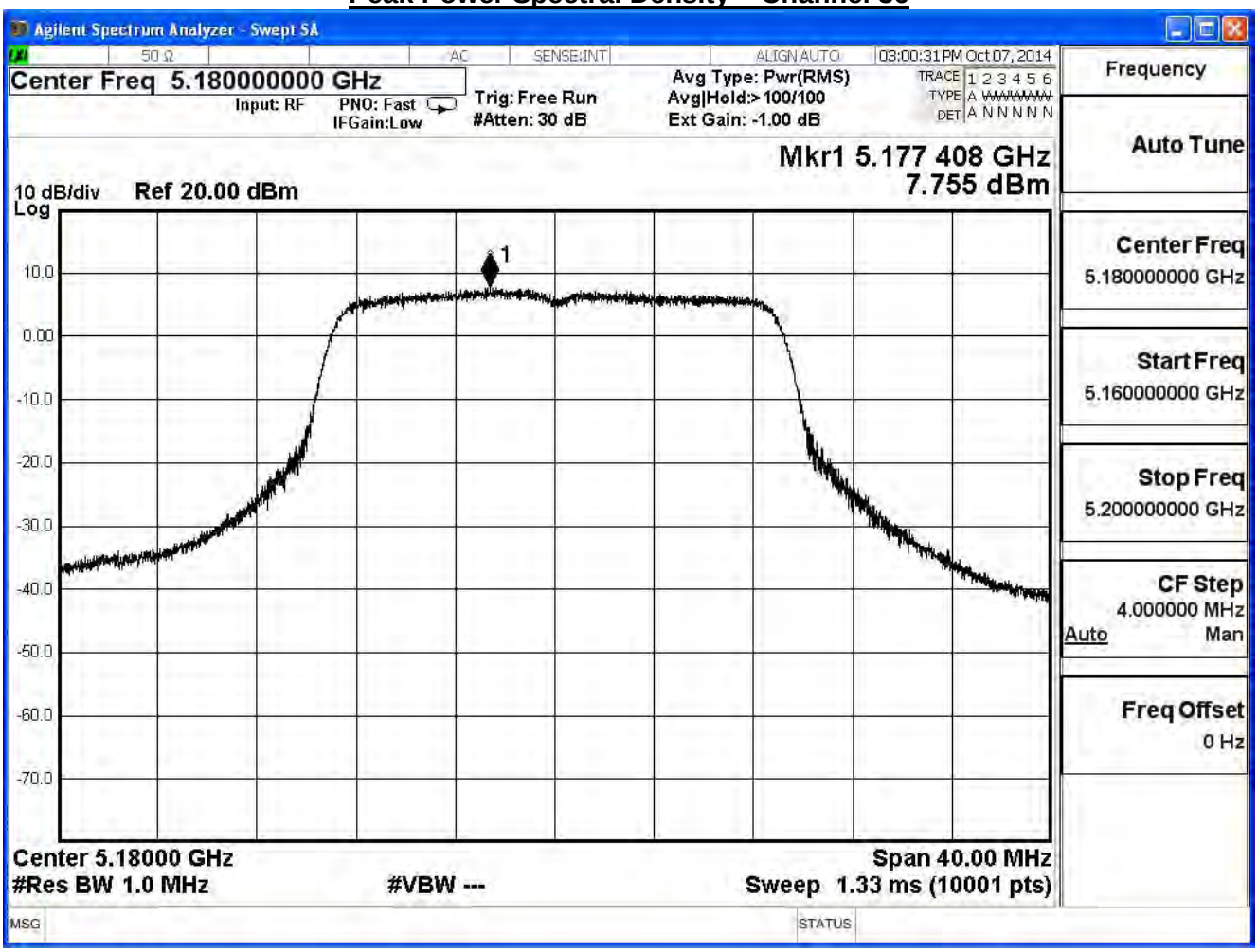
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

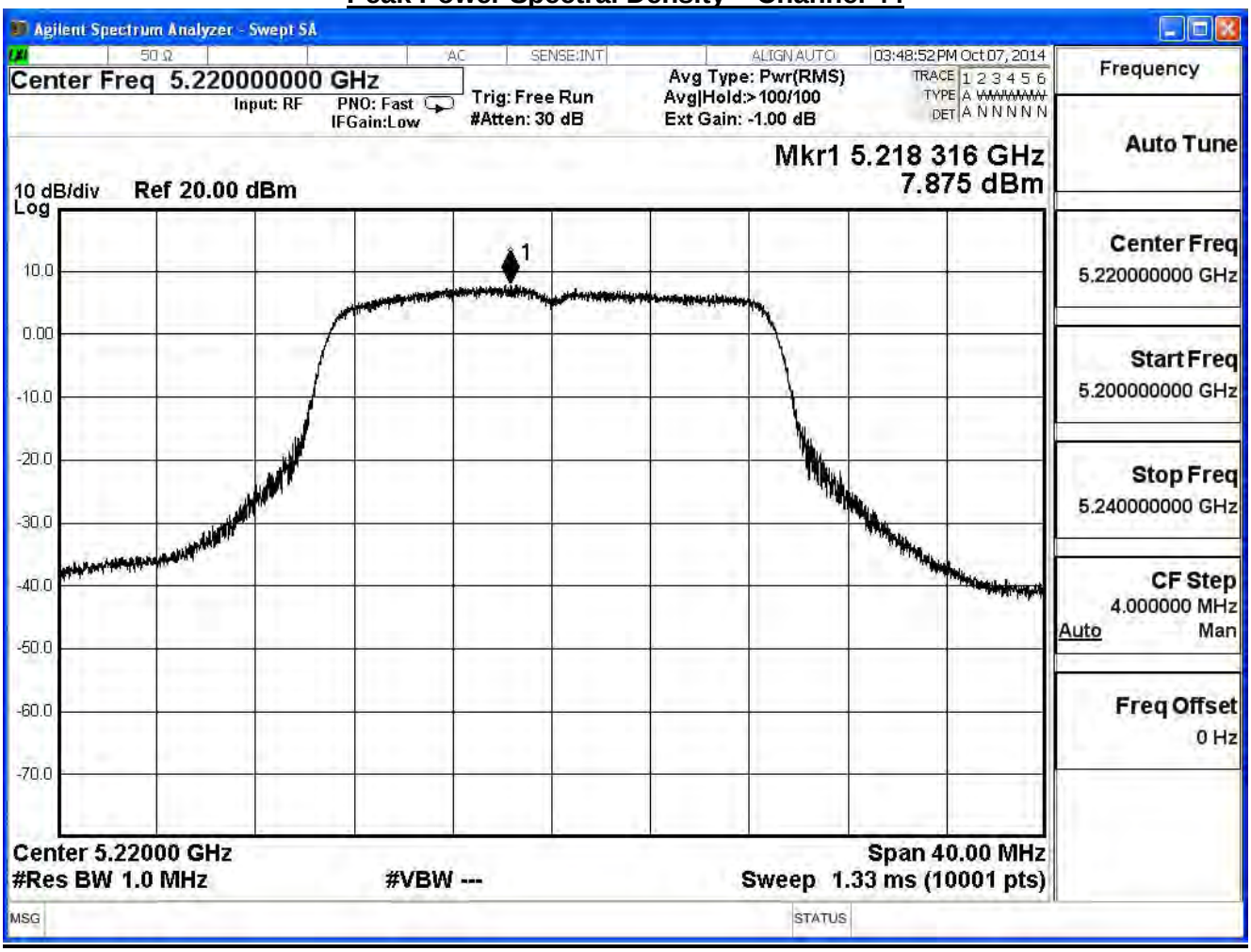
IEEE 802.11n_20M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.755	≦14.10	Pass
44	5220	7.875	≦14.10	Pass
48	5240	7.604	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

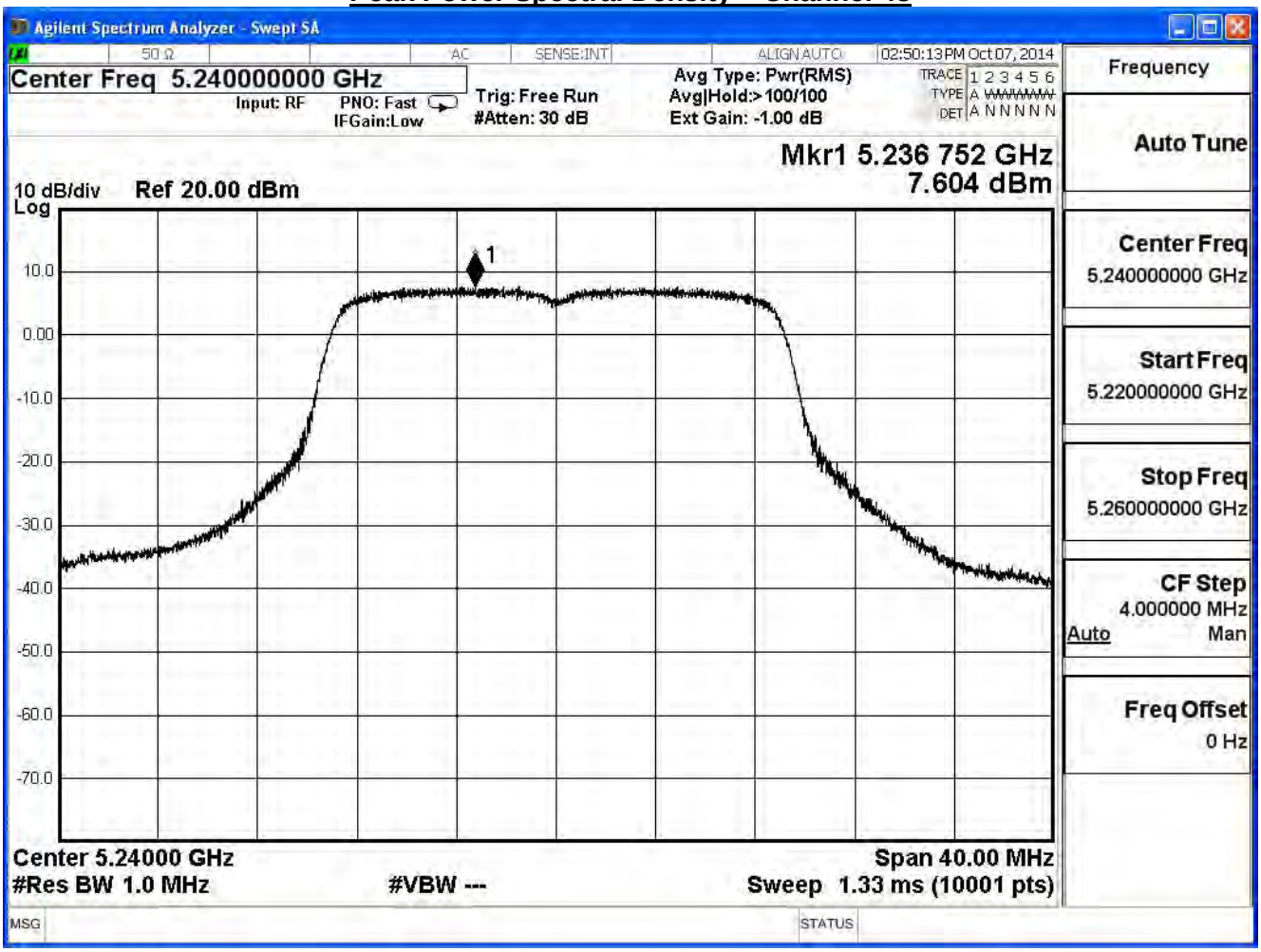
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

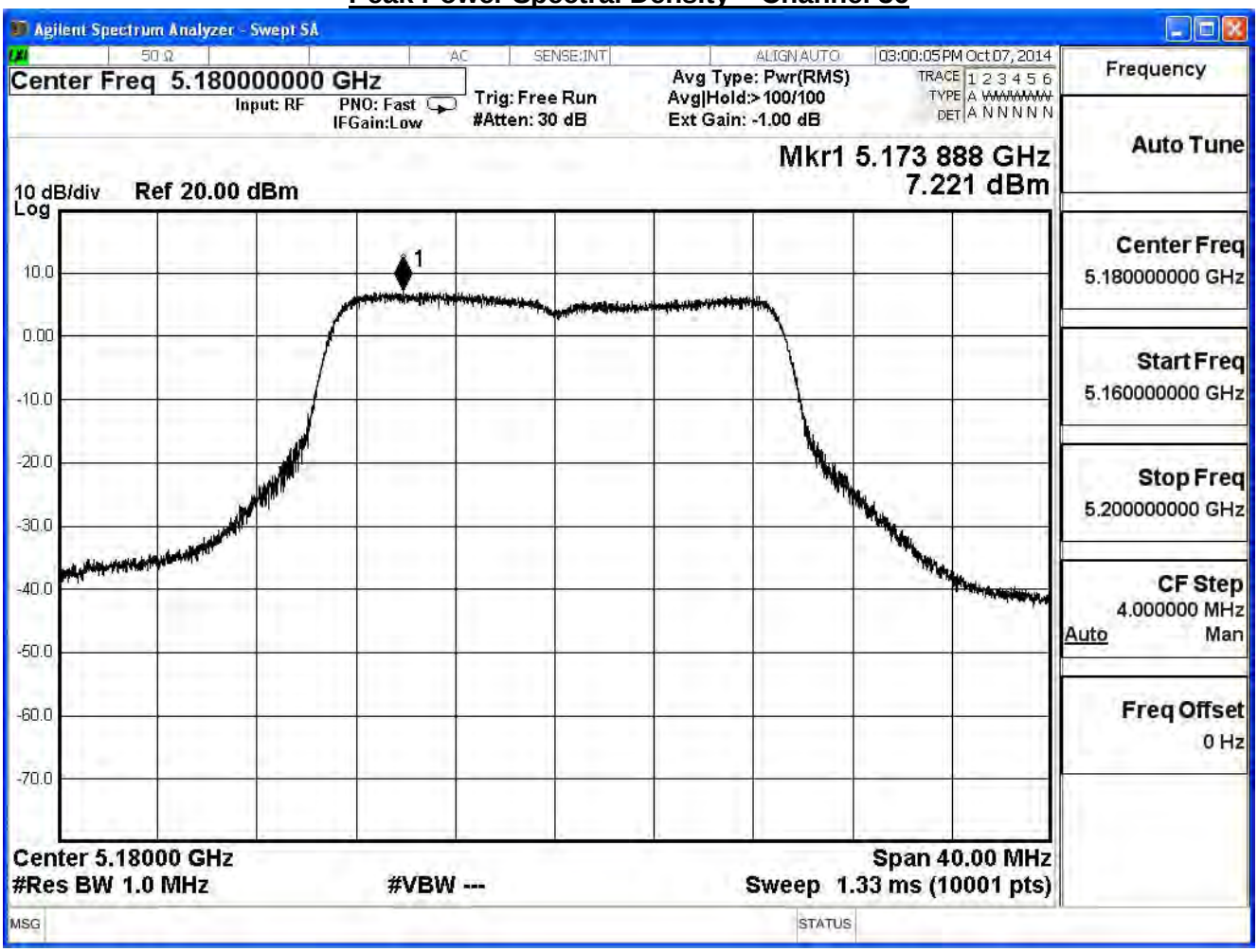


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

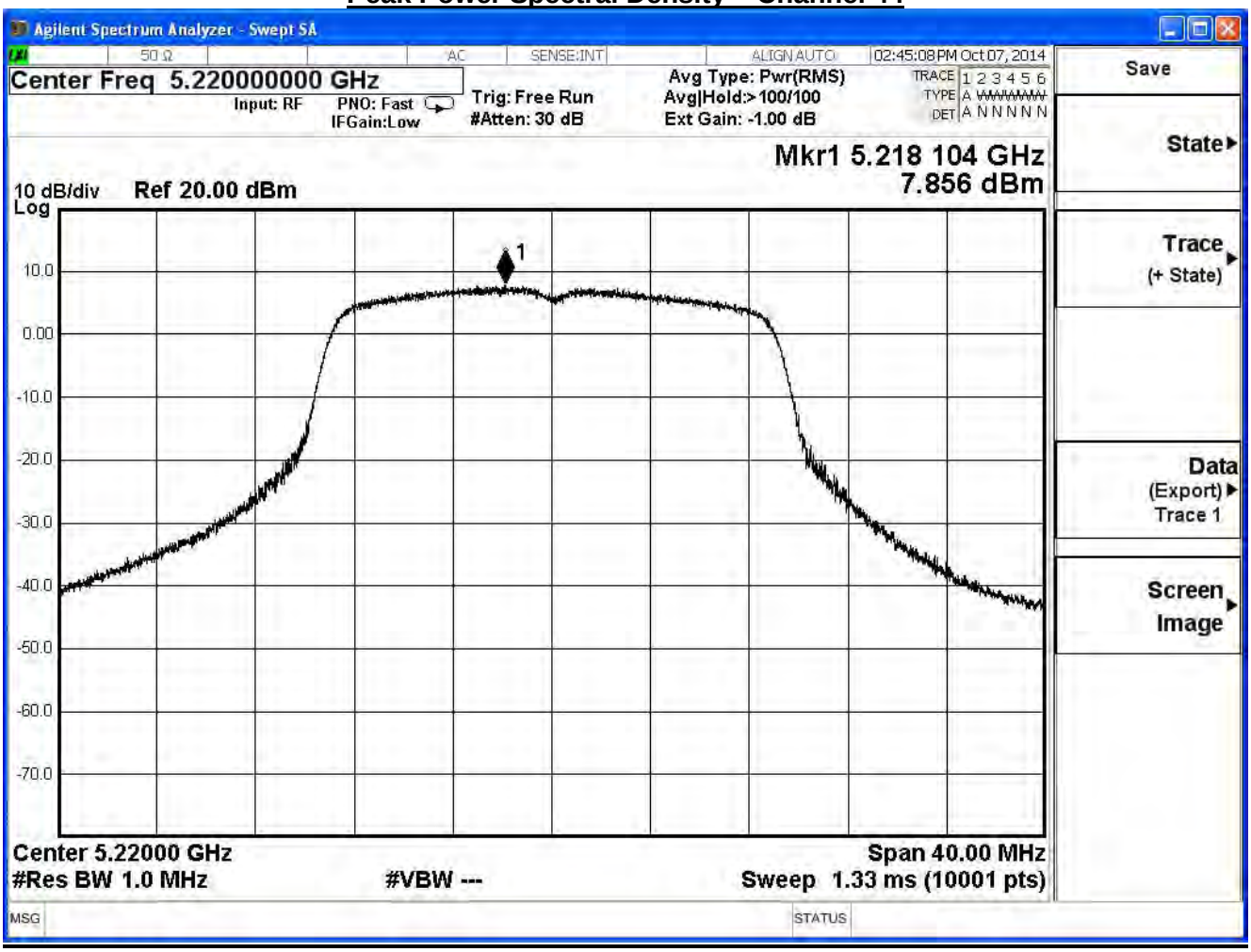
IEEE 802.11n_20M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	7.221	≦14.10	Pass
44	5220	7.856	≦14.10	Pass
48	5240	7.181	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

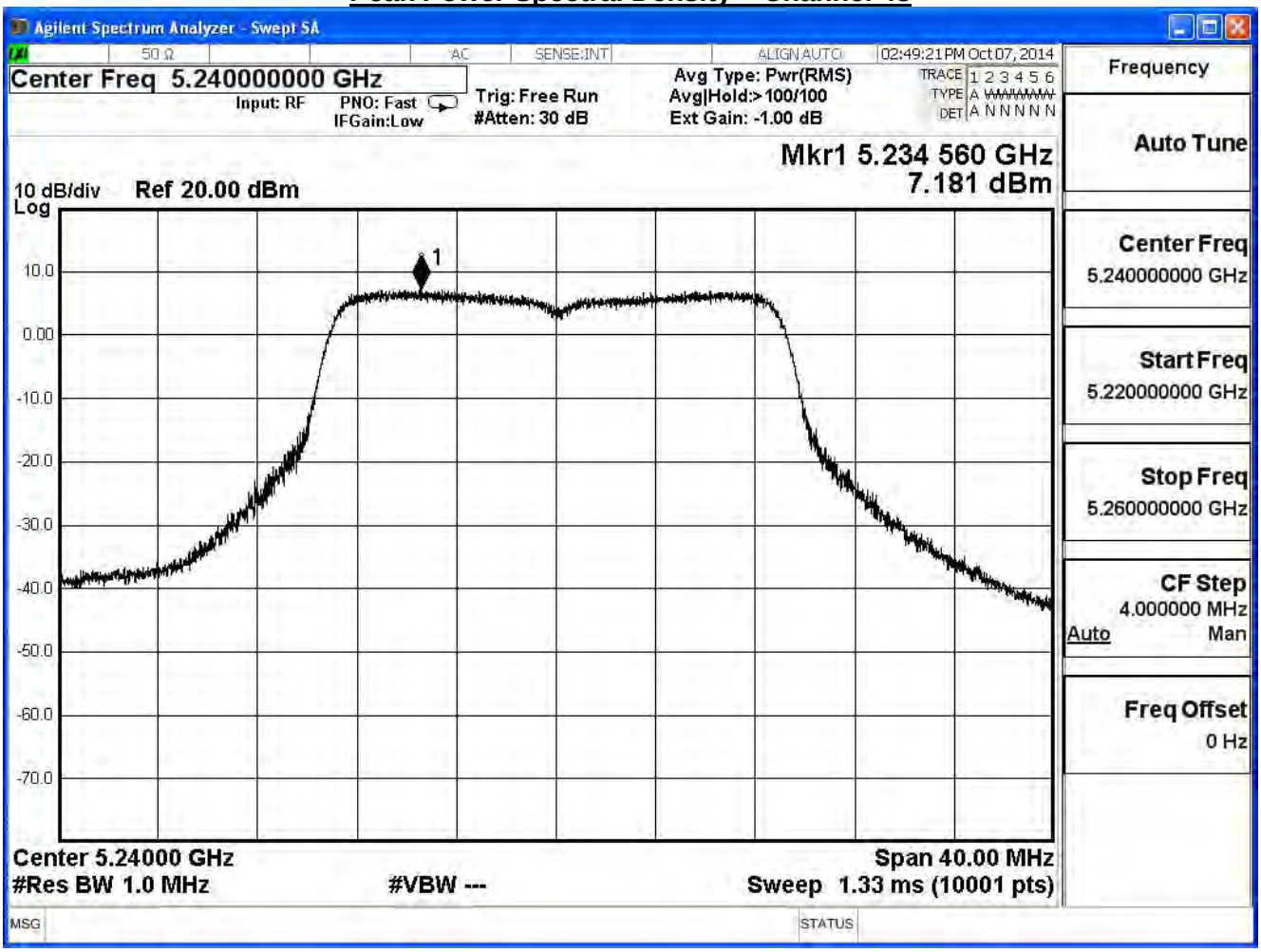
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48

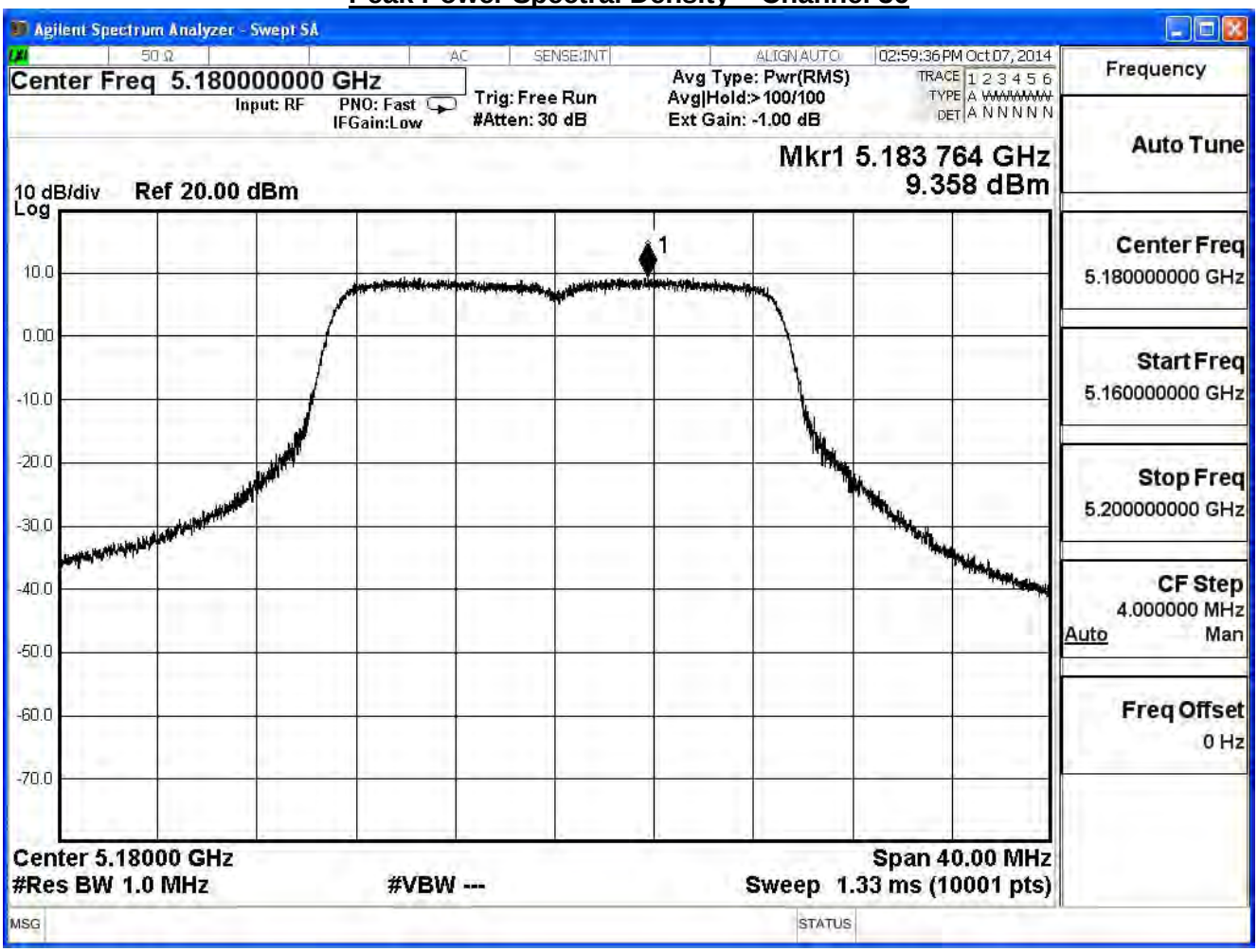


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

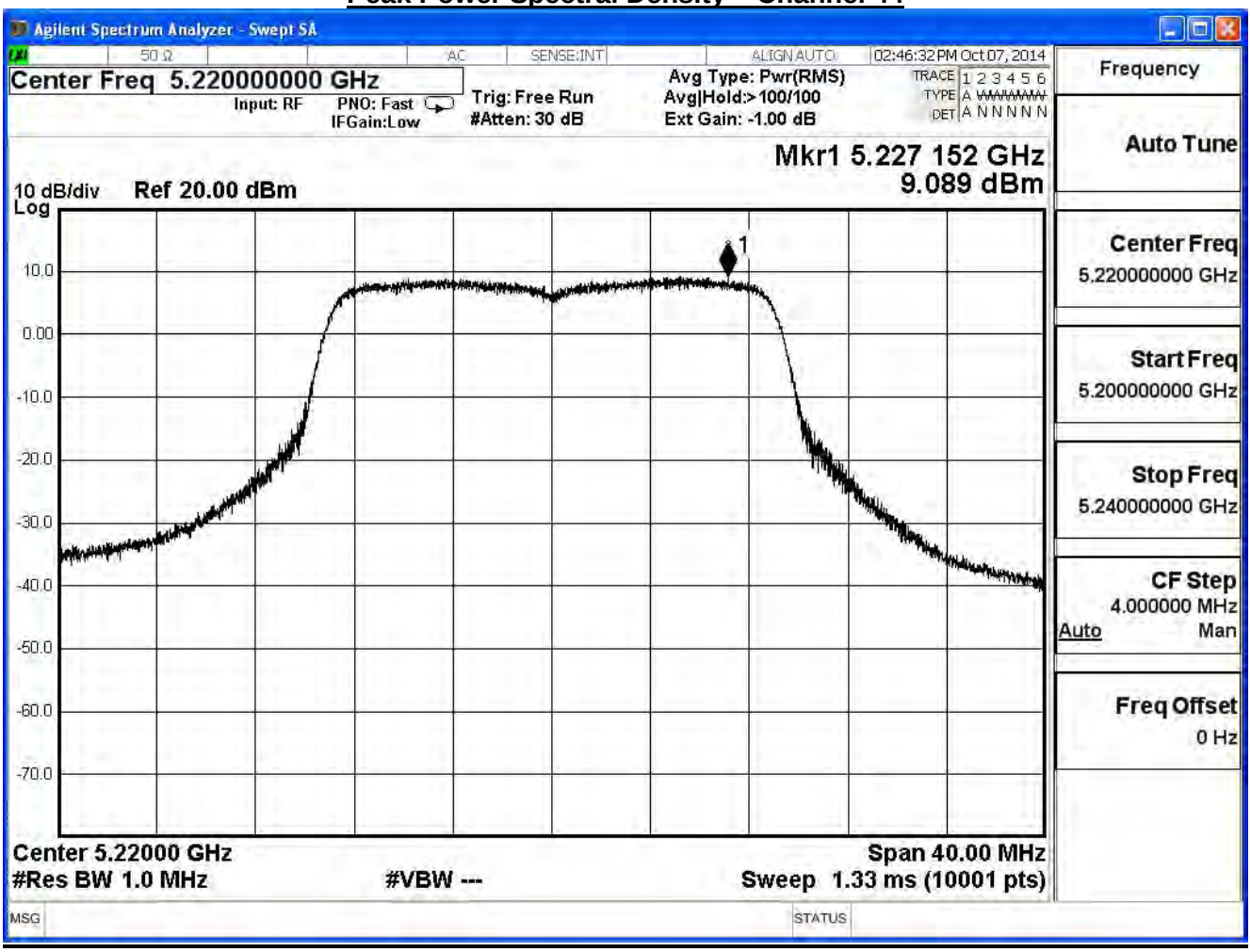
IEEE 802.11n_20M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	9.358	≦14.10	Pass
44	5220	9.089	≦14.10	Pass
48	5240	9.300	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

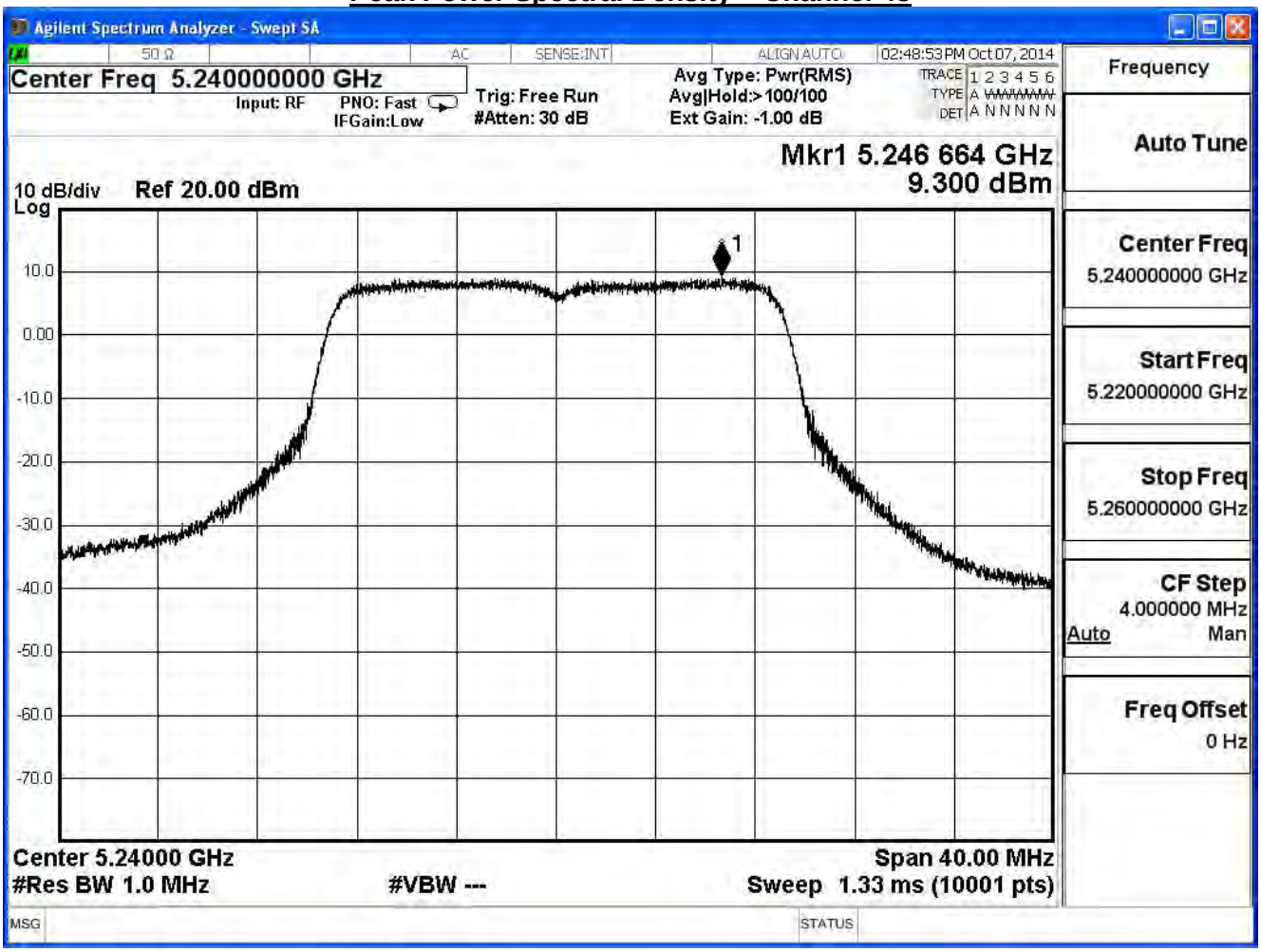
Peak Power Spectral Density – Channel 36



Peak Power Spectral Density – Channel 44



Peak Power Spectral Density – Channel 48



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11n(20M) (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
36	5180	12.980	≦14.10	Pass
44	5220	13.084	≦14.10	Pass
48	5240	12.900	≦14.10	Pass

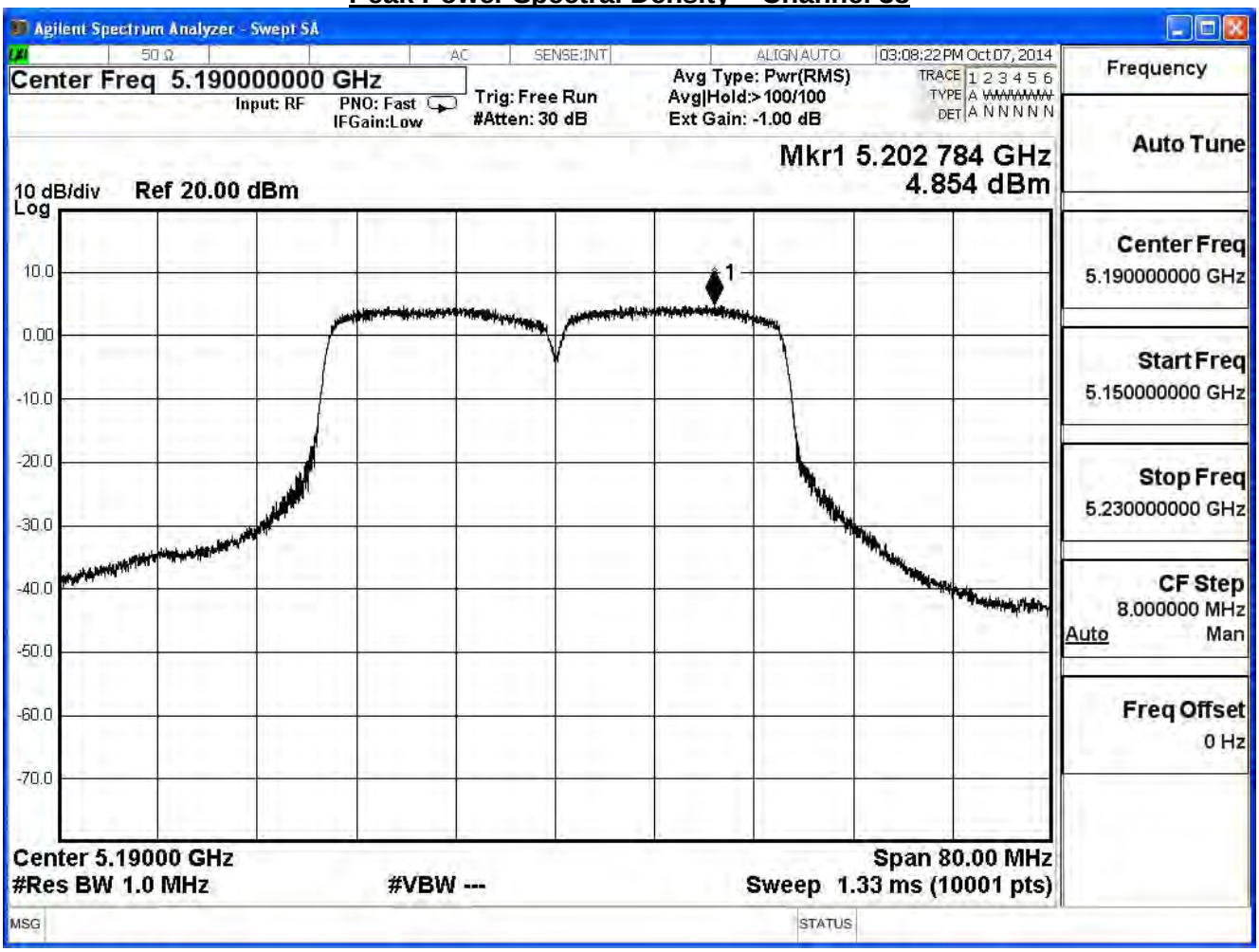
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

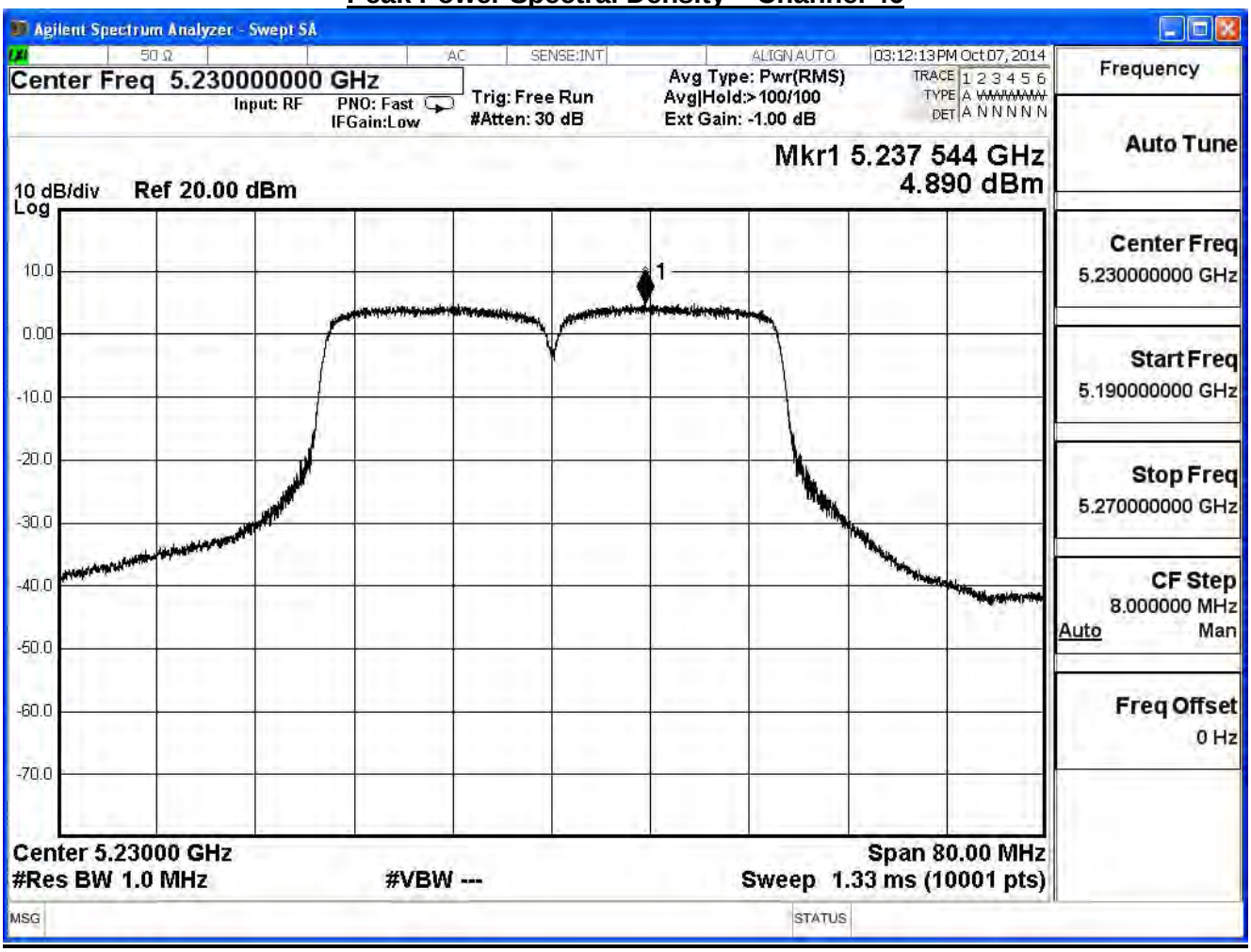
IEEE 802.11n_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	4.854	≦14.10	Pass
46	5230	4.890	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46

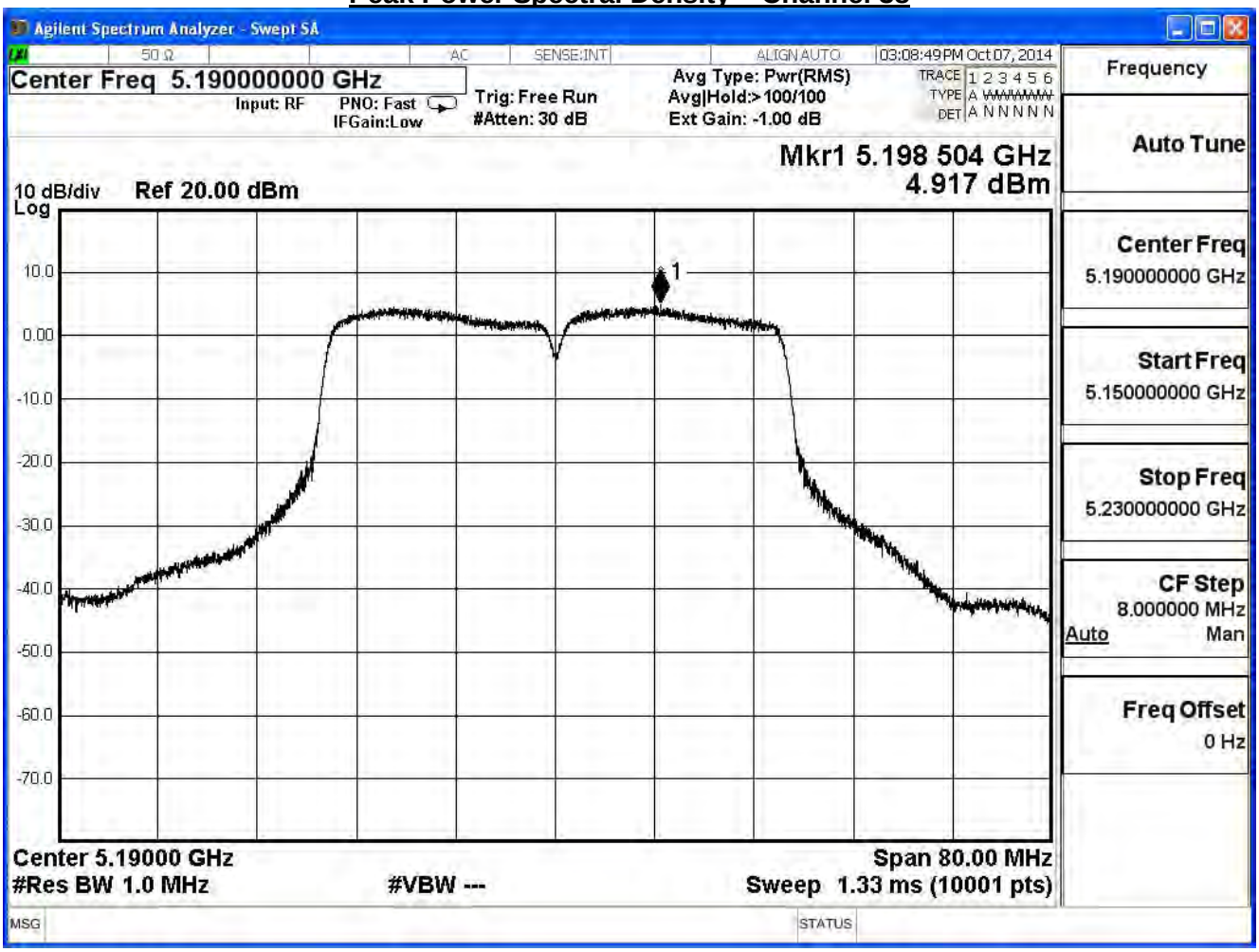


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

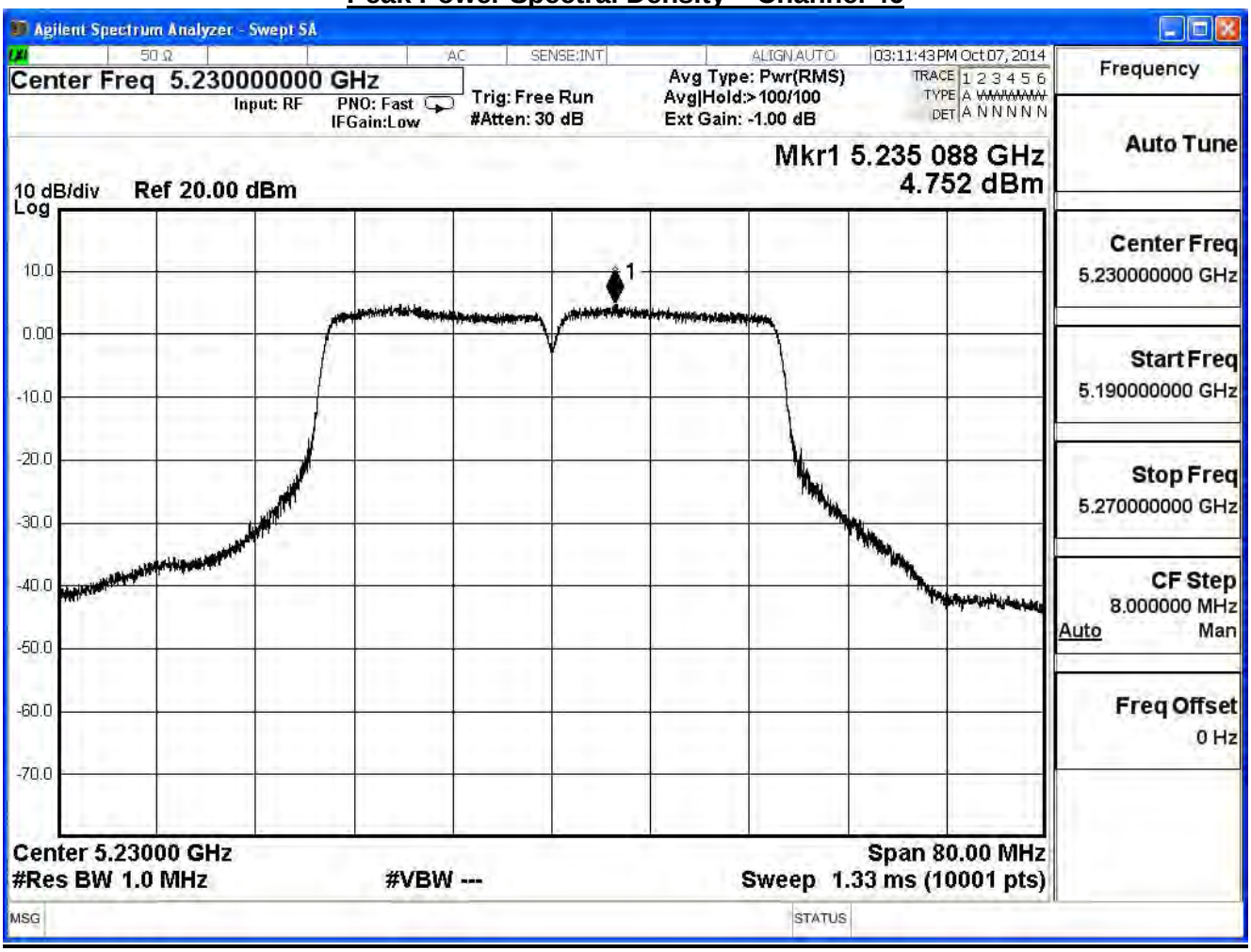
IEEE 802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	4.917	≦14.10	Pass
46	5230	4.752	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46

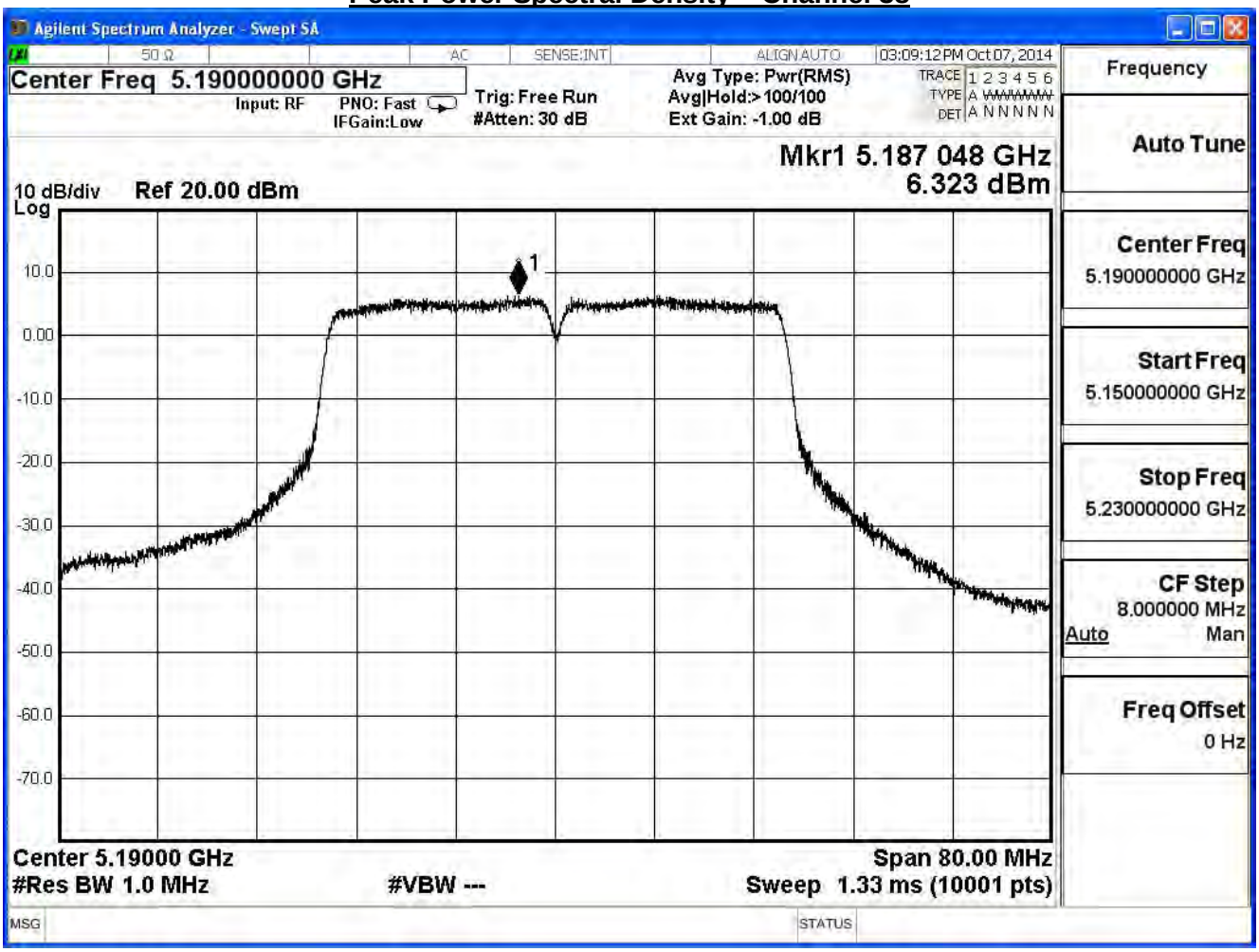


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

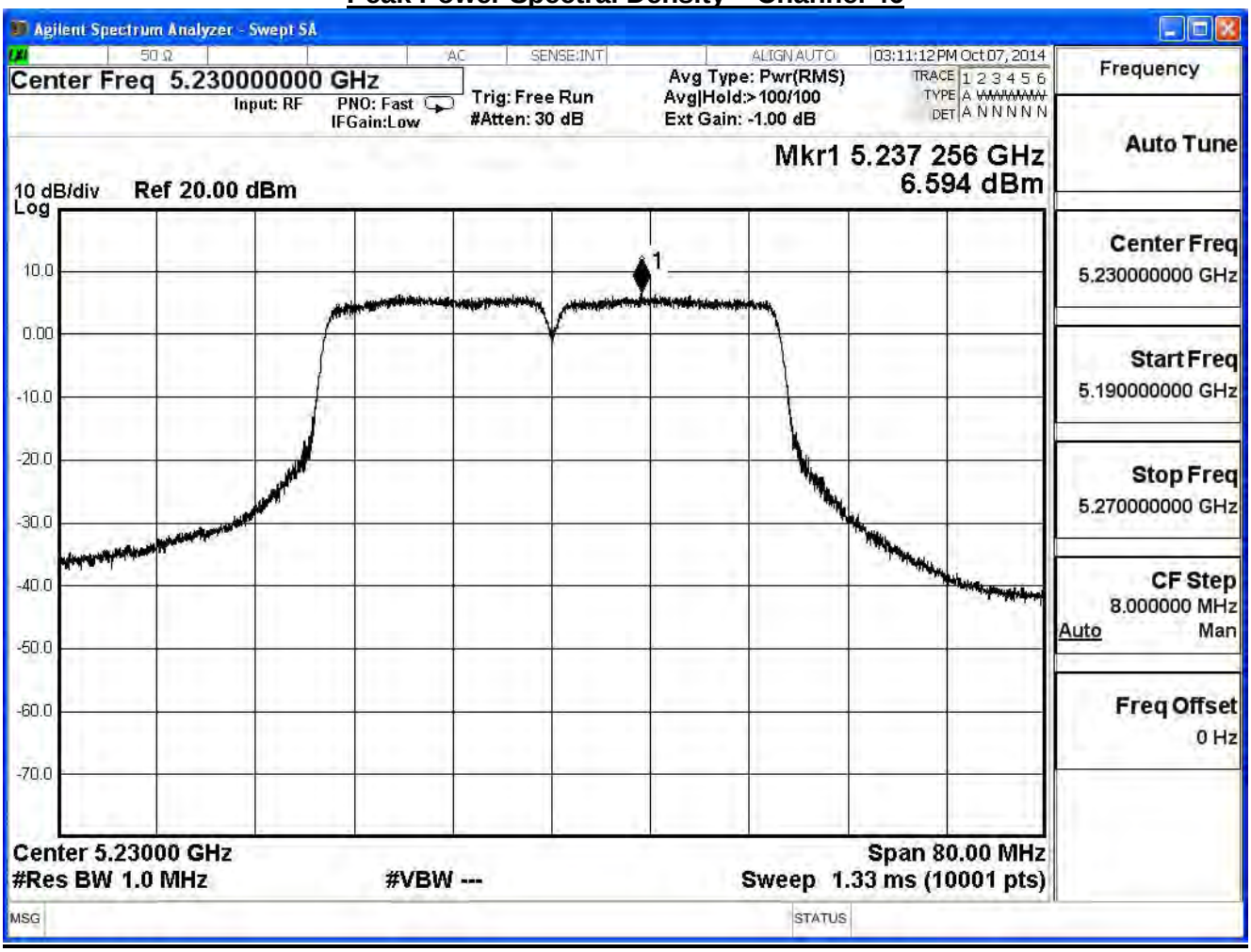
IEEE 802.11n_40M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	6.323	≦14.10	Pass
46	5230	6.594	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Peak Power Spectral Density – Channel 38



Peak Power Spectral Density – Channel 46



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11n_40M(ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	10.191	≦14.10	Pass
46	5230	10.267	≦14.10	Pass

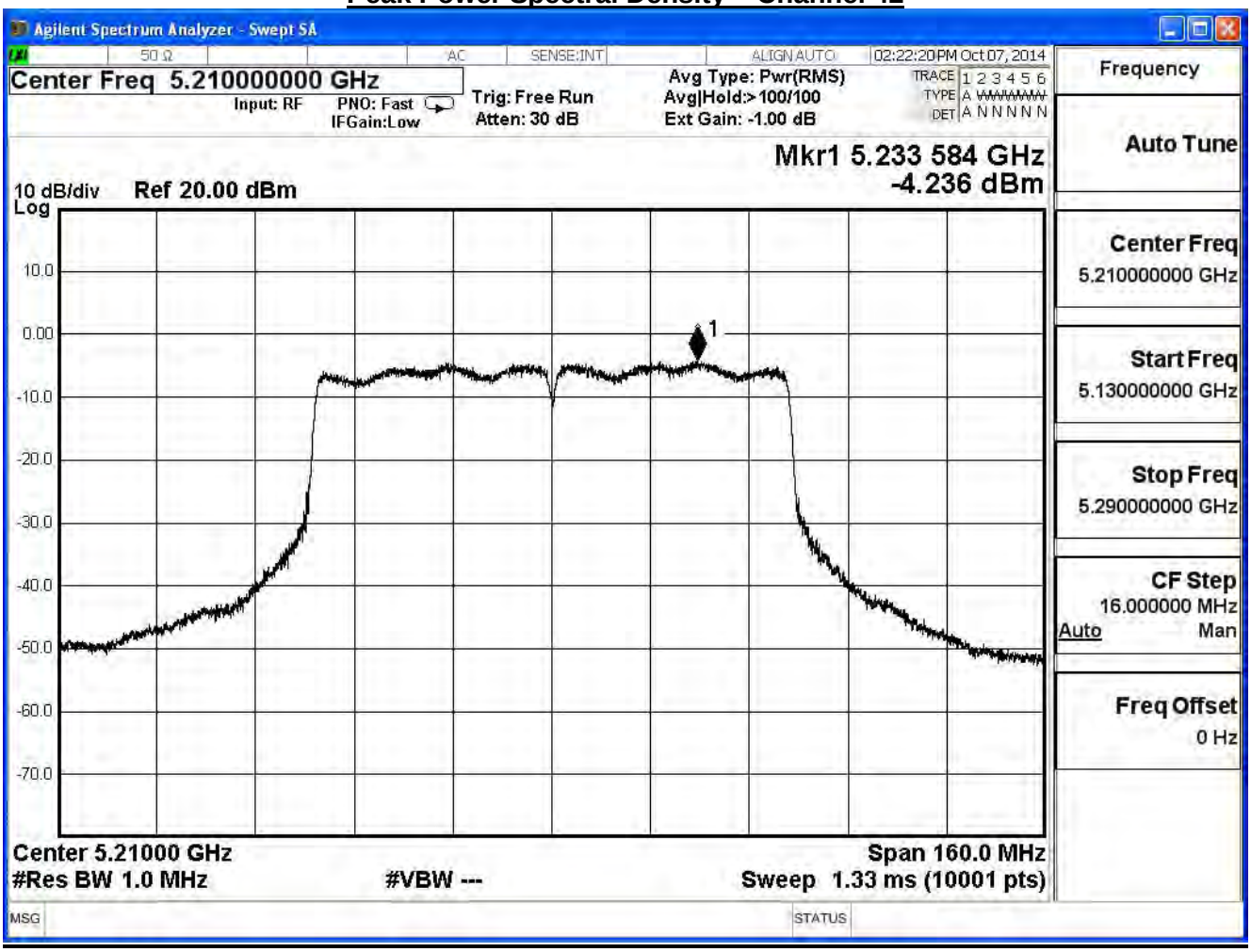
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11ac(80M) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
38	5190	-4.236	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Peak Power Spectral Density – Channel 42

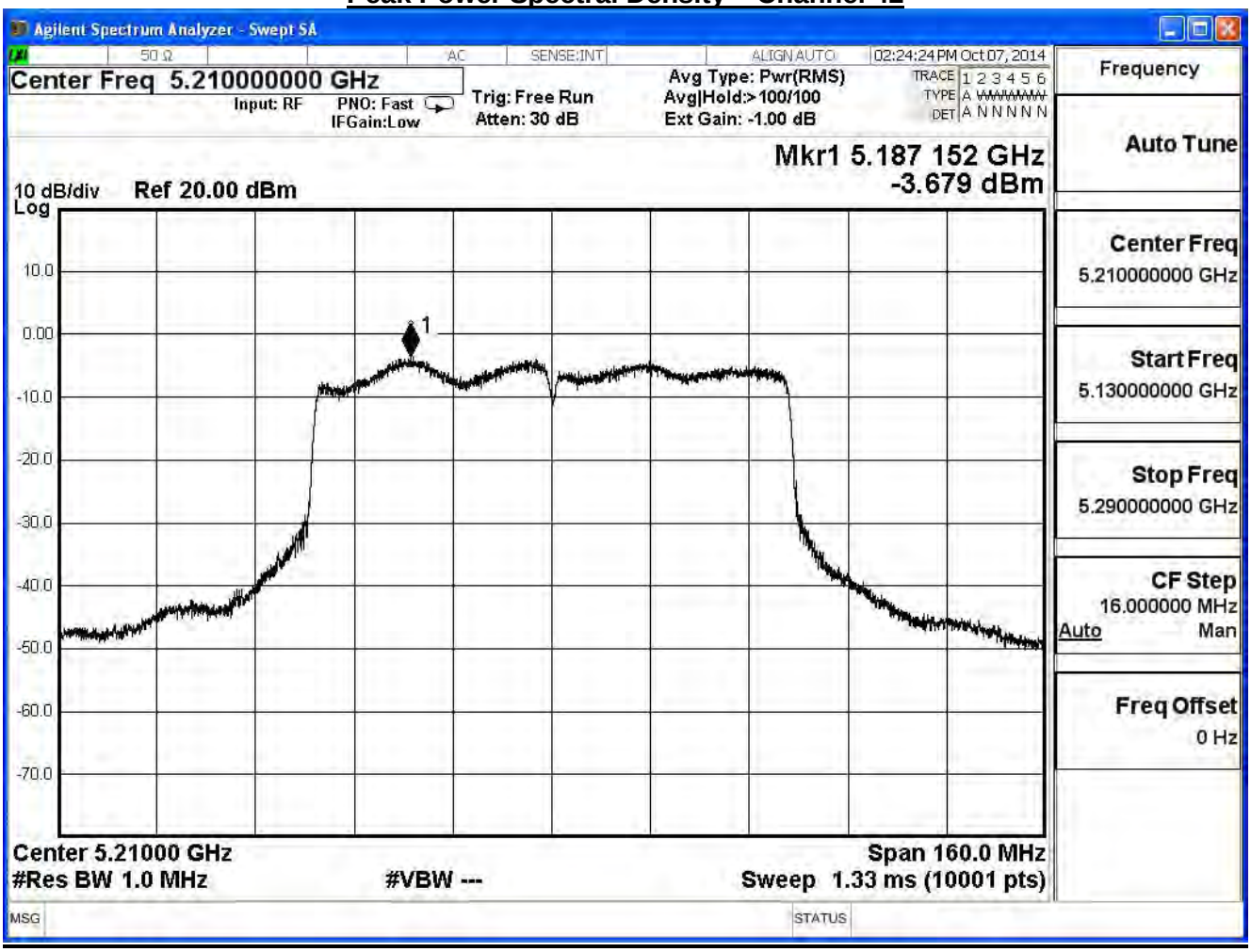


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11ac(80M) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-3.679	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Peak Power Spectral Density – Channel 42

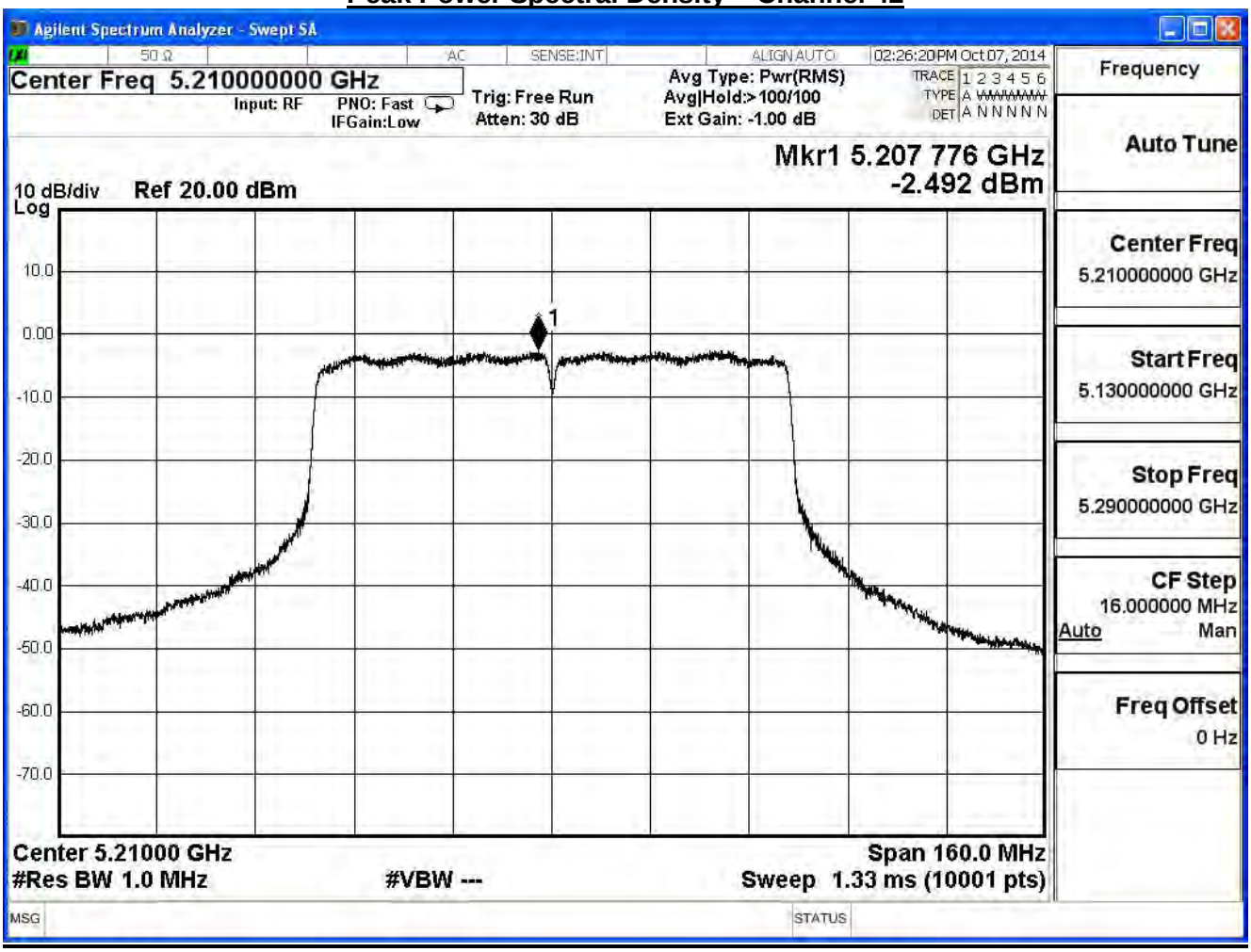


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11ac(80M) (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	-2.492	≦14.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Peak Power Spectral Density – Channel 42



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/09	Test Site	SR7

IEEE 802.11ac(80M) (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
42	5210	1.364	≦14.10	Pass

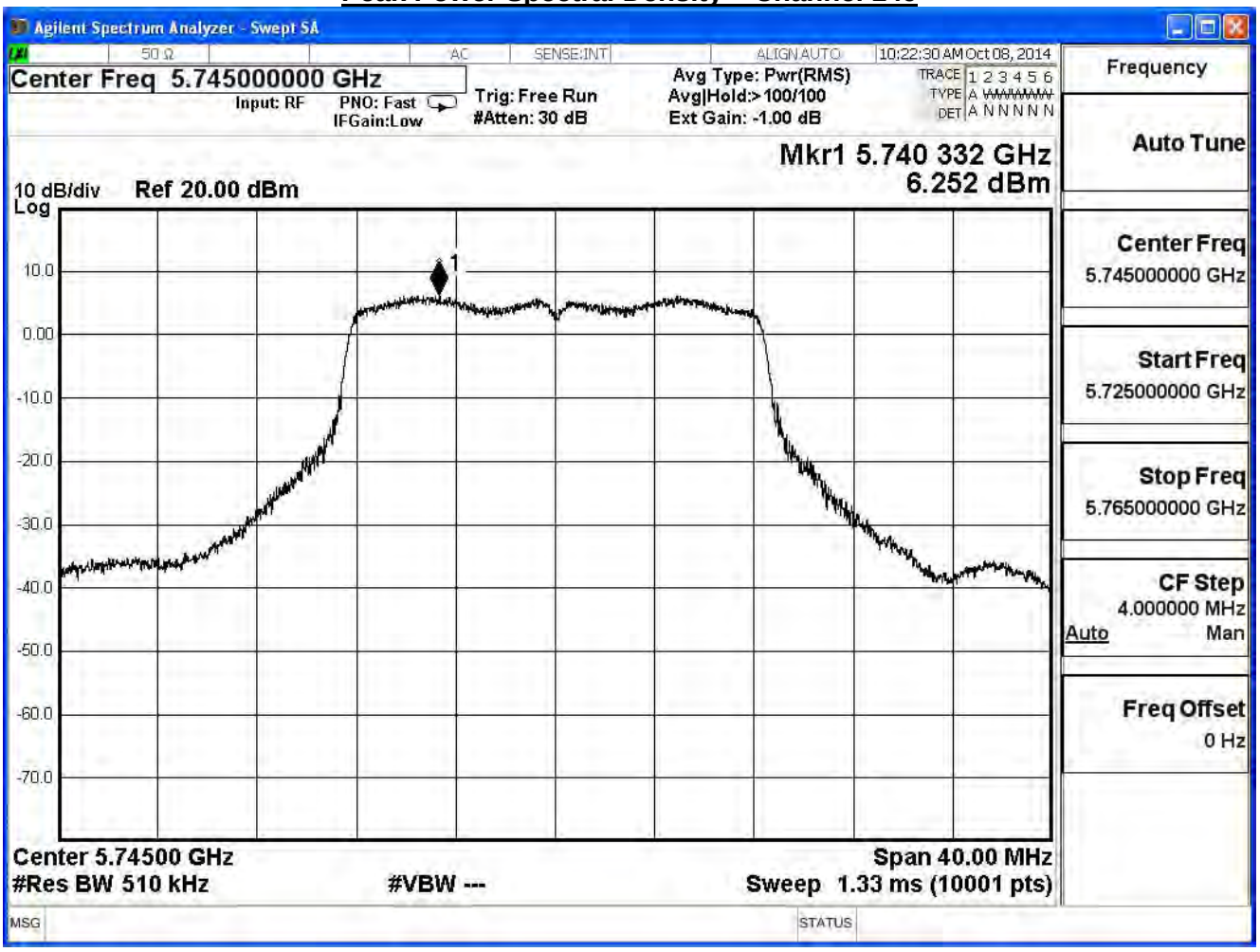
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:17dBm-(8.891dBi-6dB)=14.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

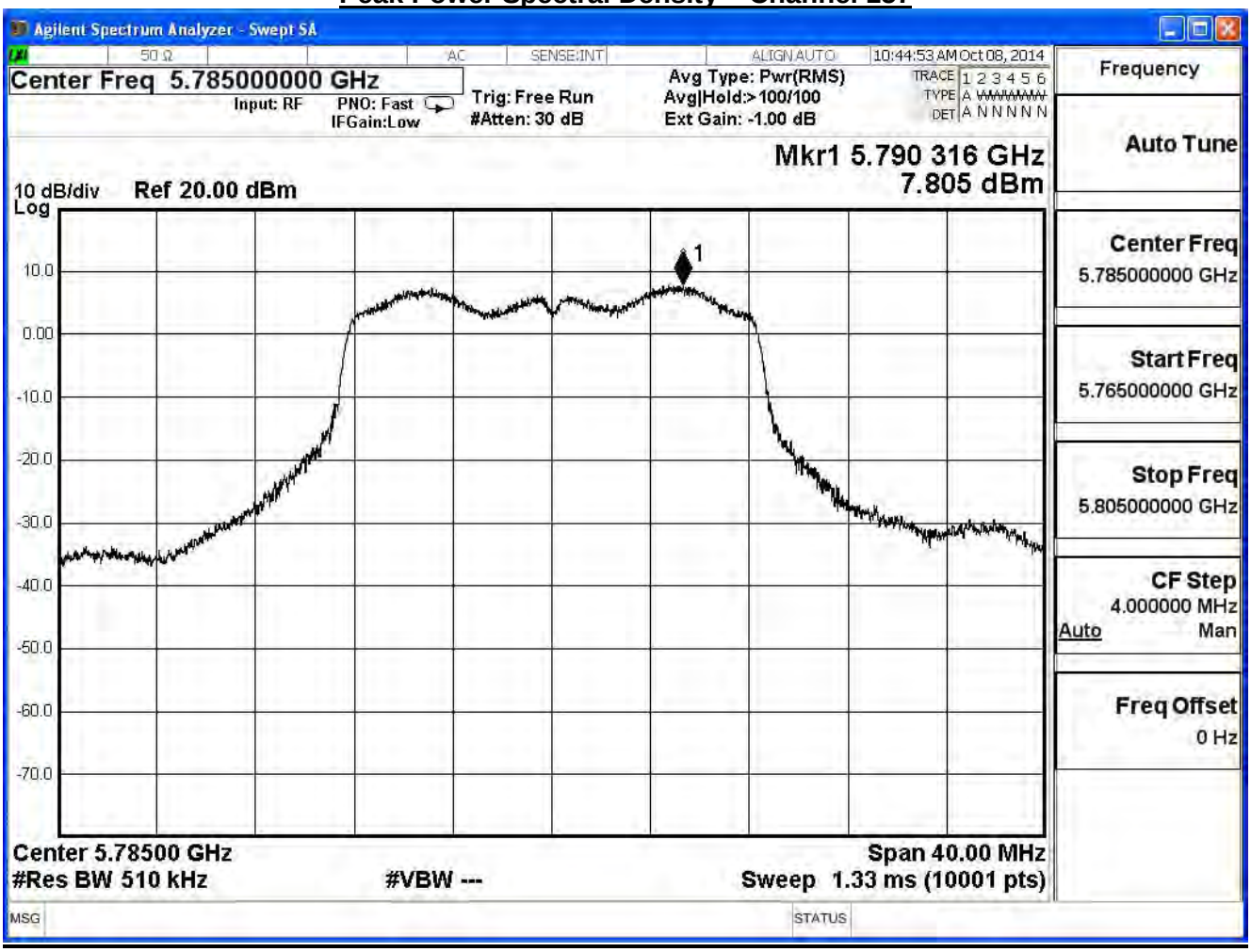
IEEE 802.11a(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	6.252	≦27.10	Pass
157	5785	7.805	≦27.10	Pass
165	5825	4.750	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

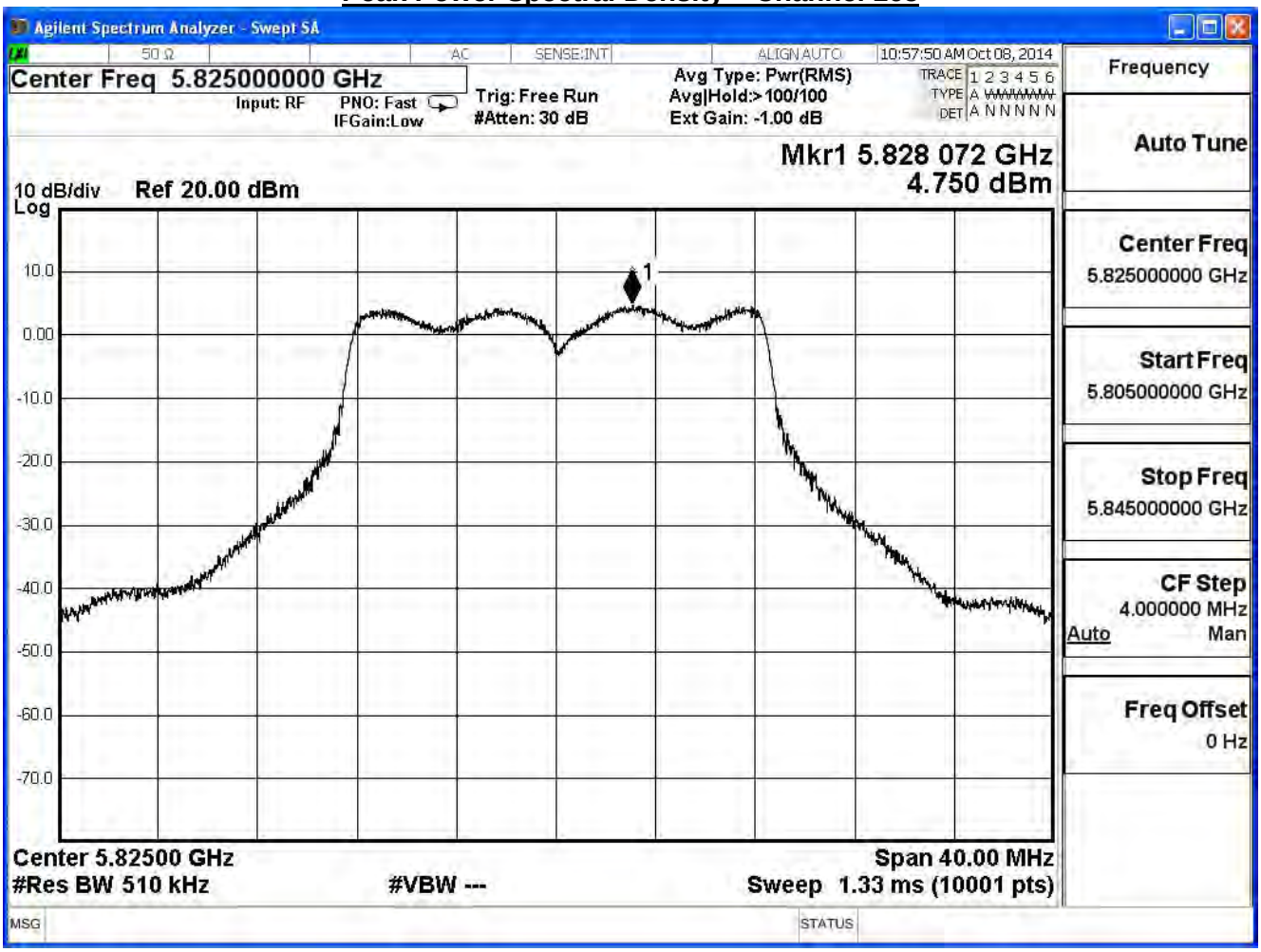
Peak Power Spectral Density – Channel 149



Peak Power Spectral Density – Channel 157



Peak Power Spectral Density – Channel 165

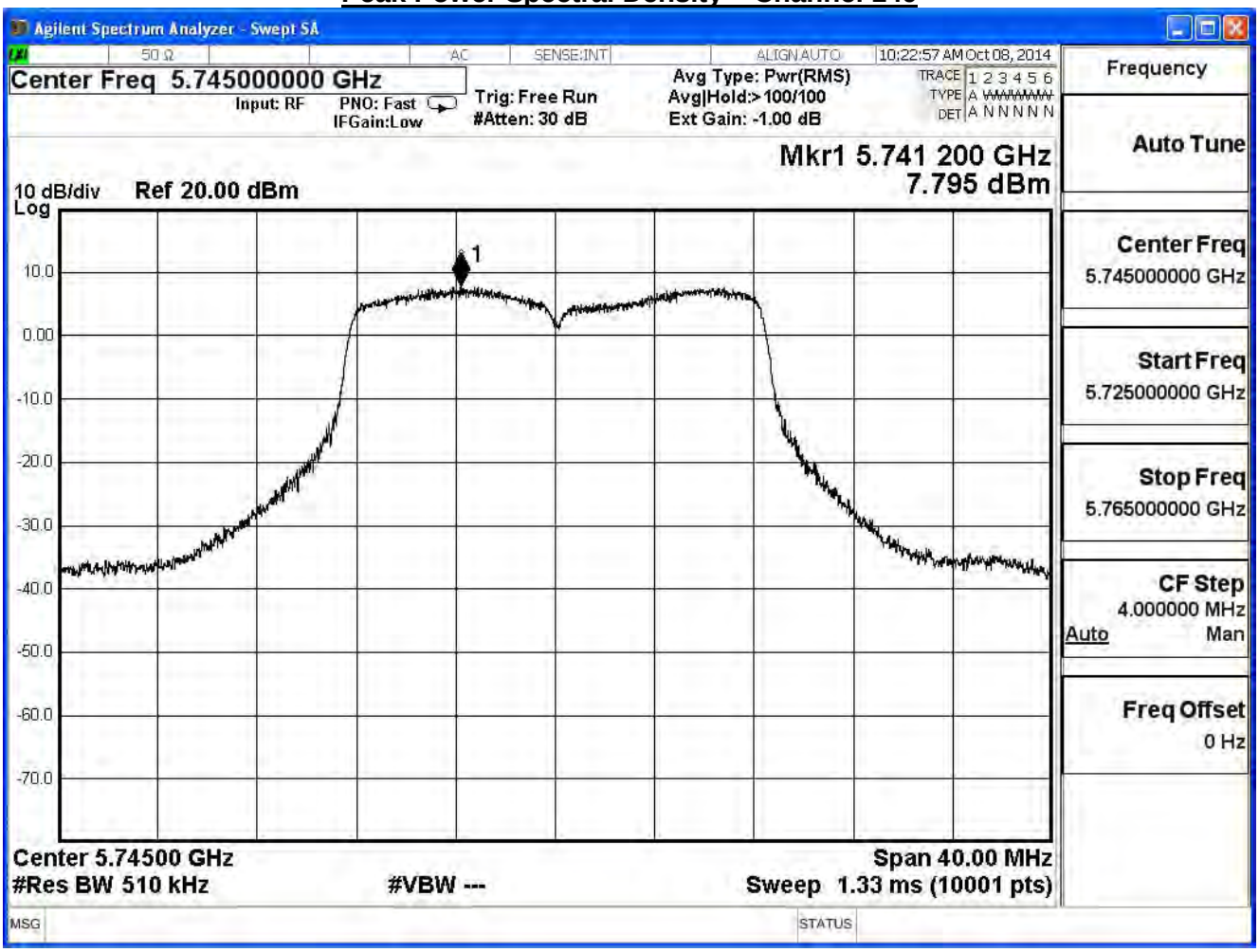


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

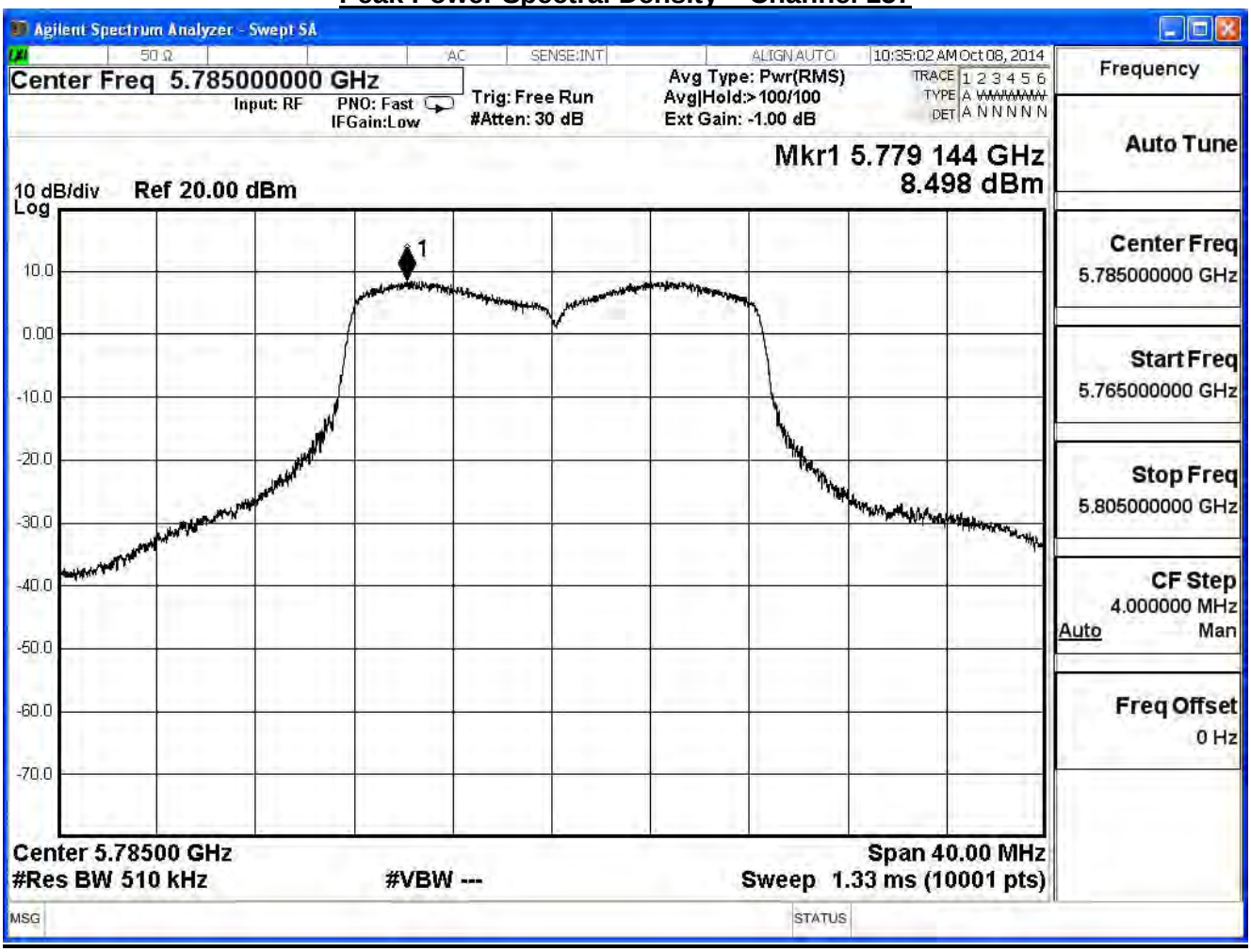
IEEE 802.11a(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	7.795	≦27.10	Pass
157	5785	8.498	≦27.10	Pass
165	5825	3.340	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

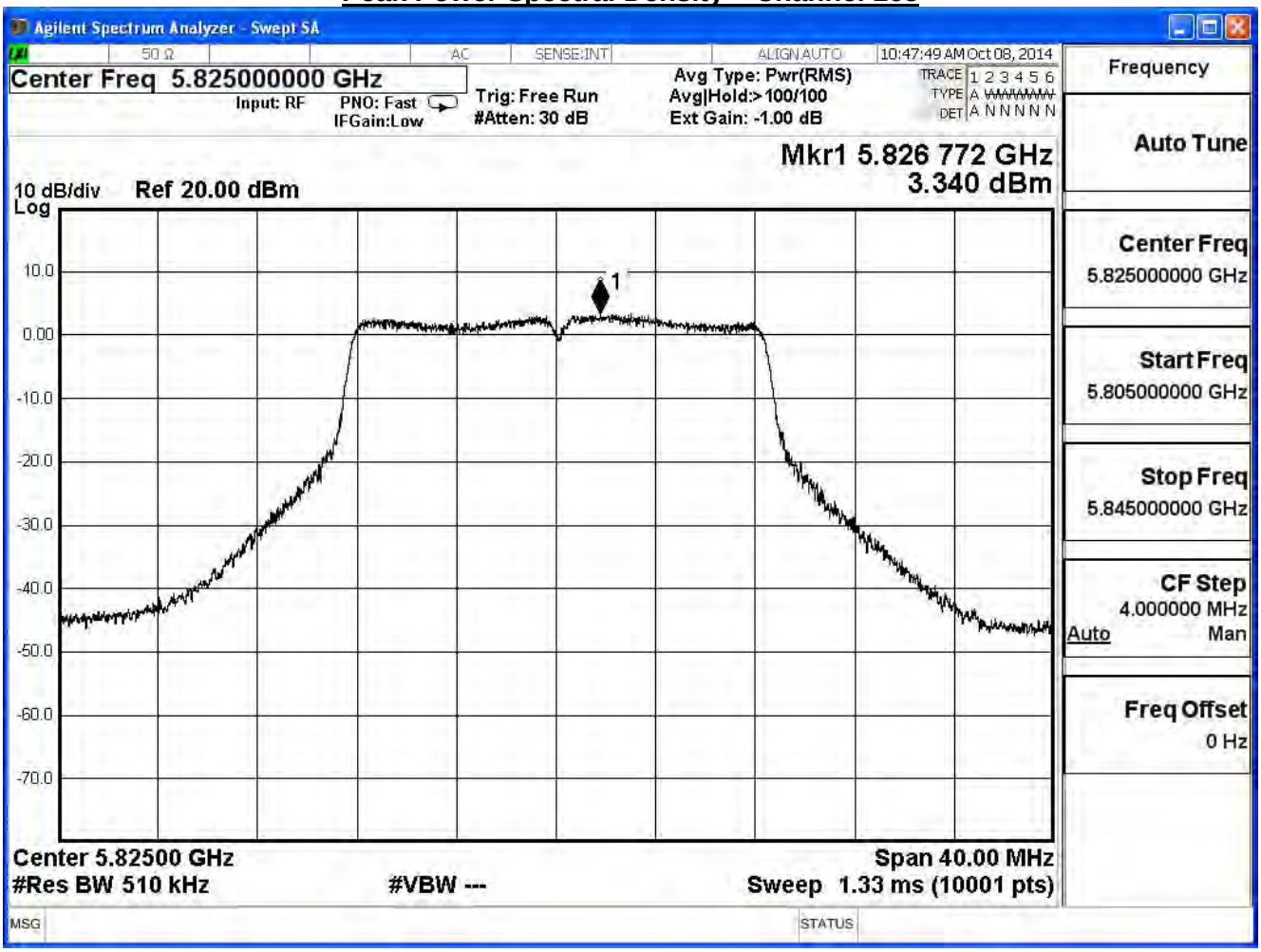
Peak Power Spectral Density – Channel 149



Peak Power Spectral Density – Channel 157



Peak Power Spectral Density – Channel 165

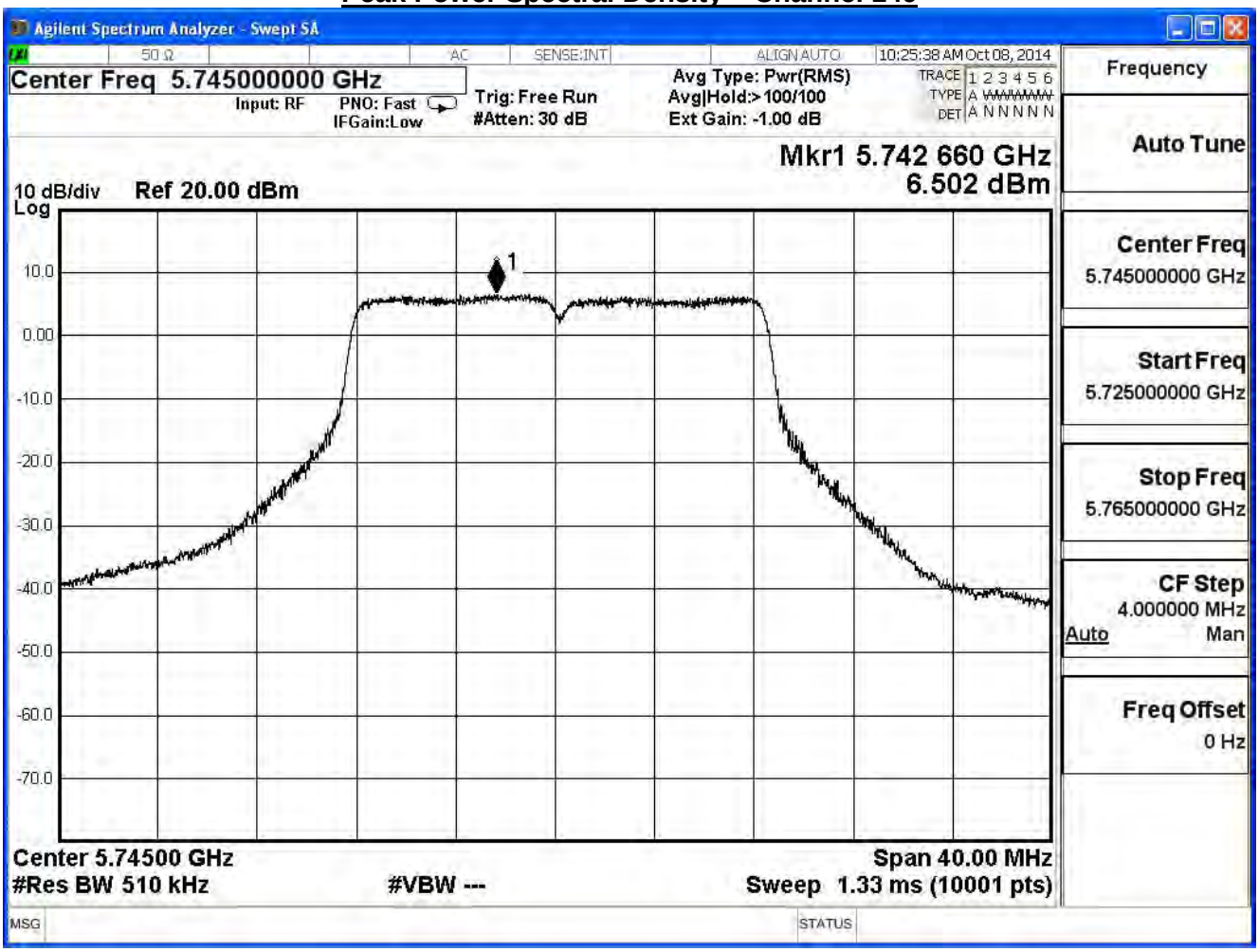


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

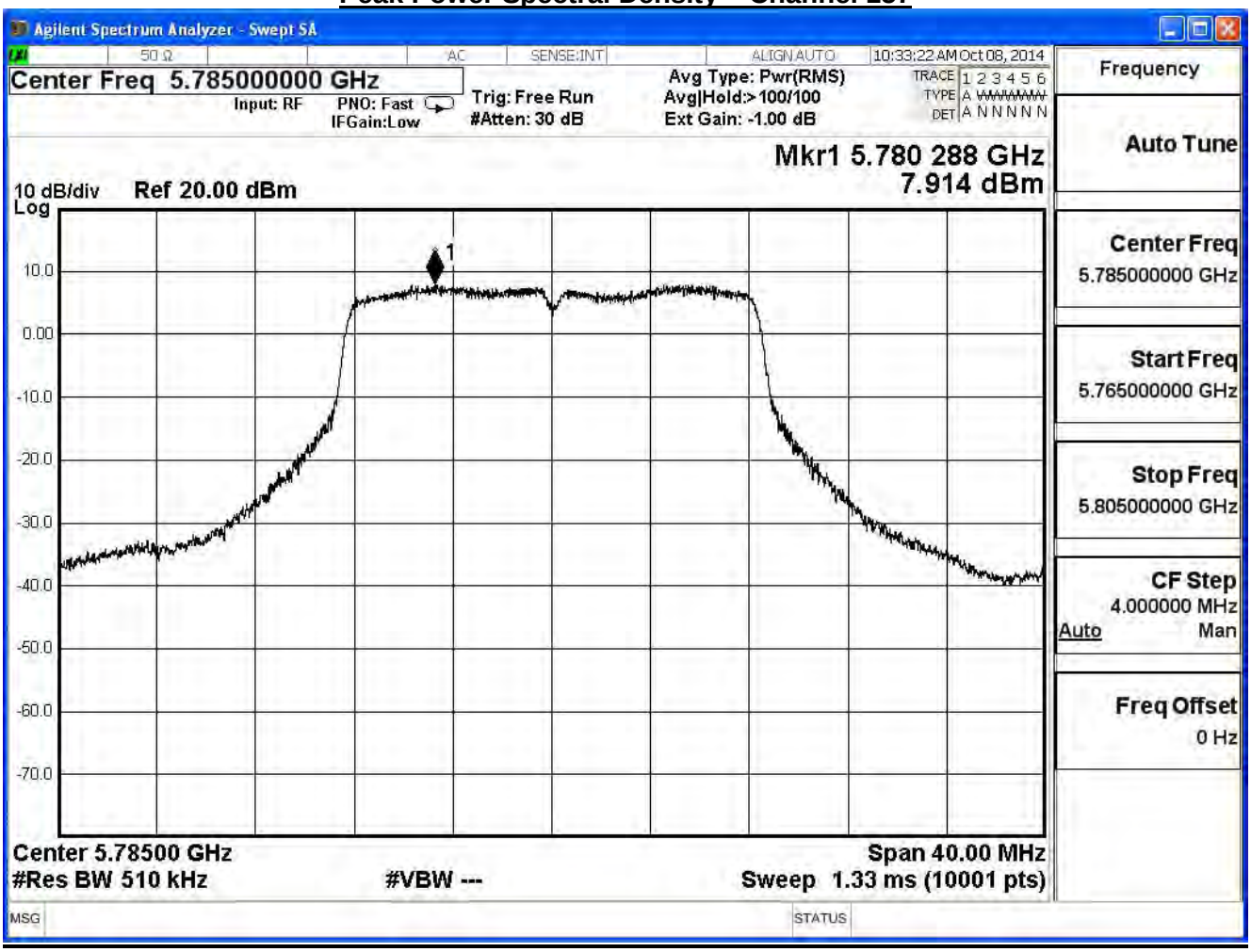
IEEE 802.11a(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	6.502	≦27.10	Pass
157	5785	7.914	≦27.10	Pass
165	5825	3.736	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

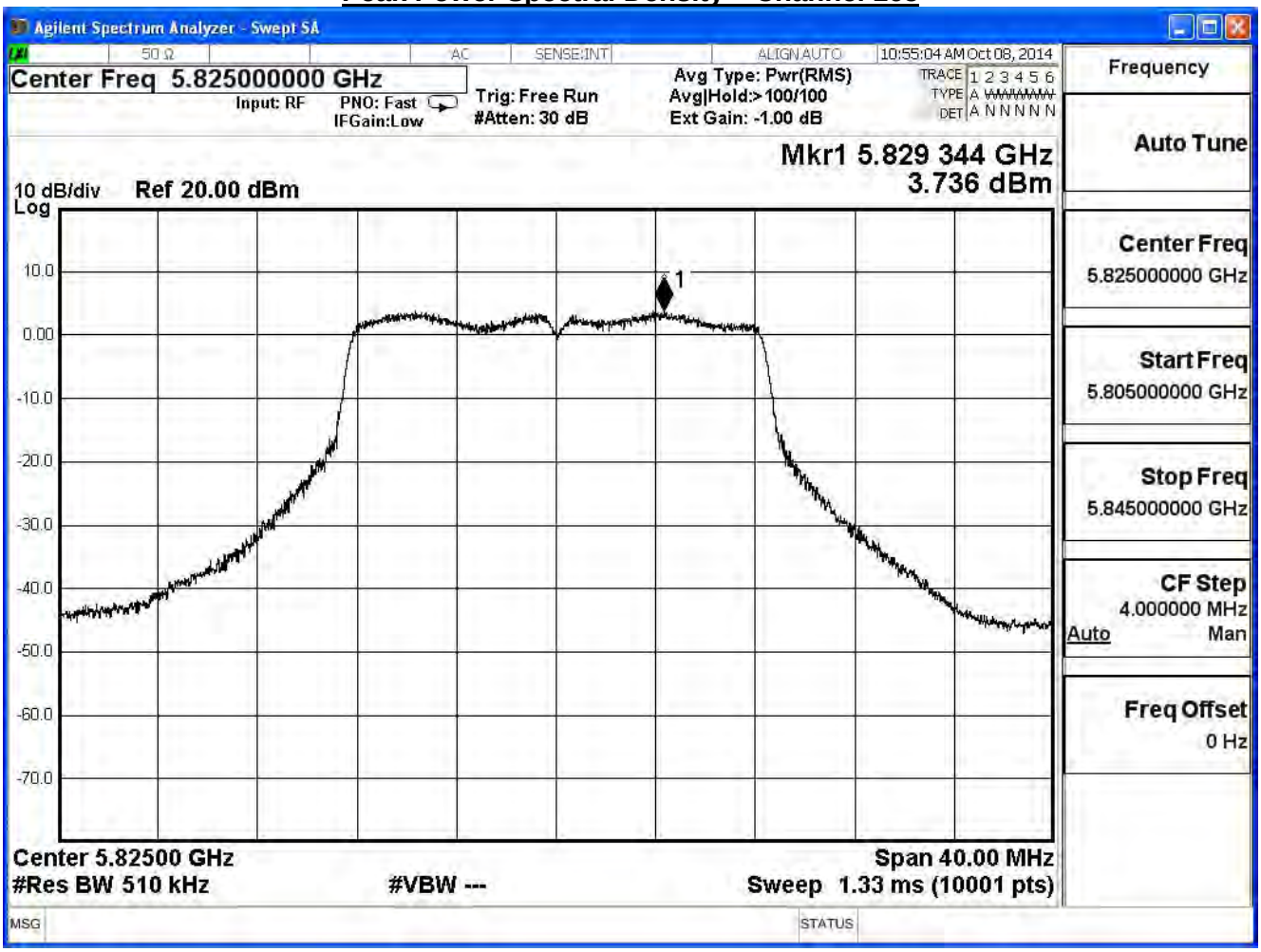
Peak Power Spectral Density – Channel 149



Peak Power Spectral Density – Channel 157



Peak Power Spectral Density – Channel 165



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11a(ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	11.675	≦27.10	Pass
157	5785	12.854	≦27.10	Pass
165	5825	8.755	≦27.10	Pass

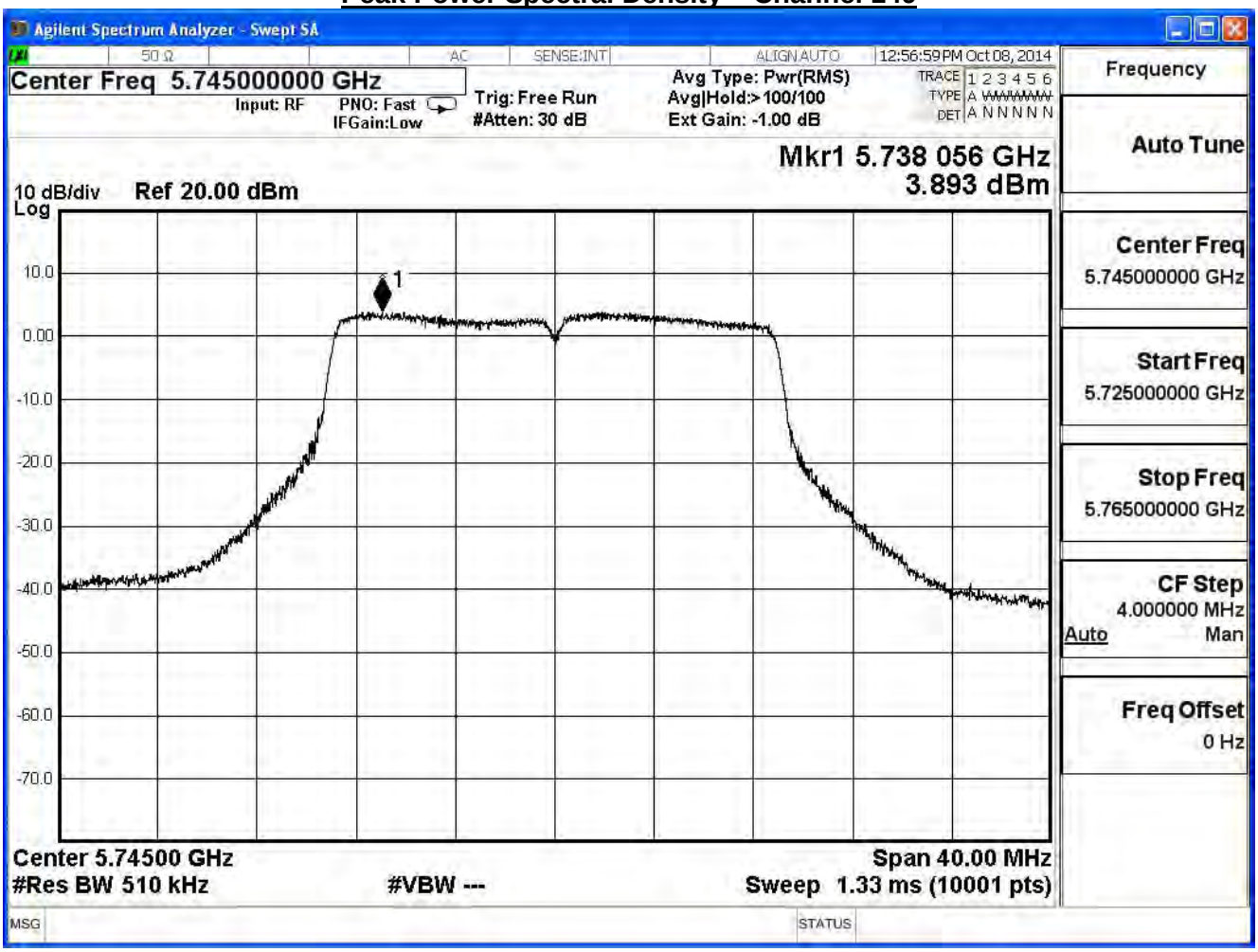
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

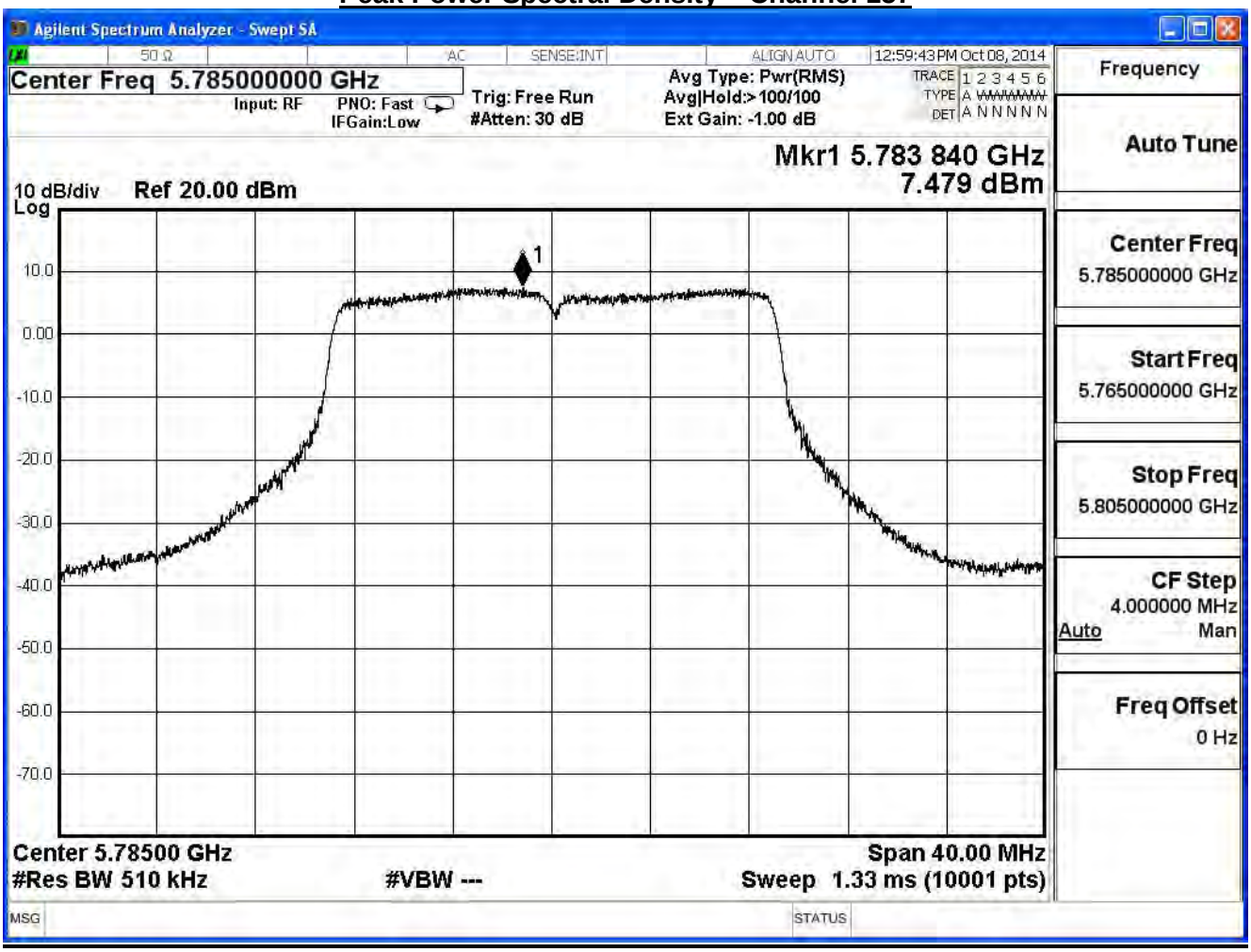
IEEE 802.11n_20M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	3.893	≦27.10	Pass
157	5785	7.479	≦27.10	Pass
165	5825	2.872	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

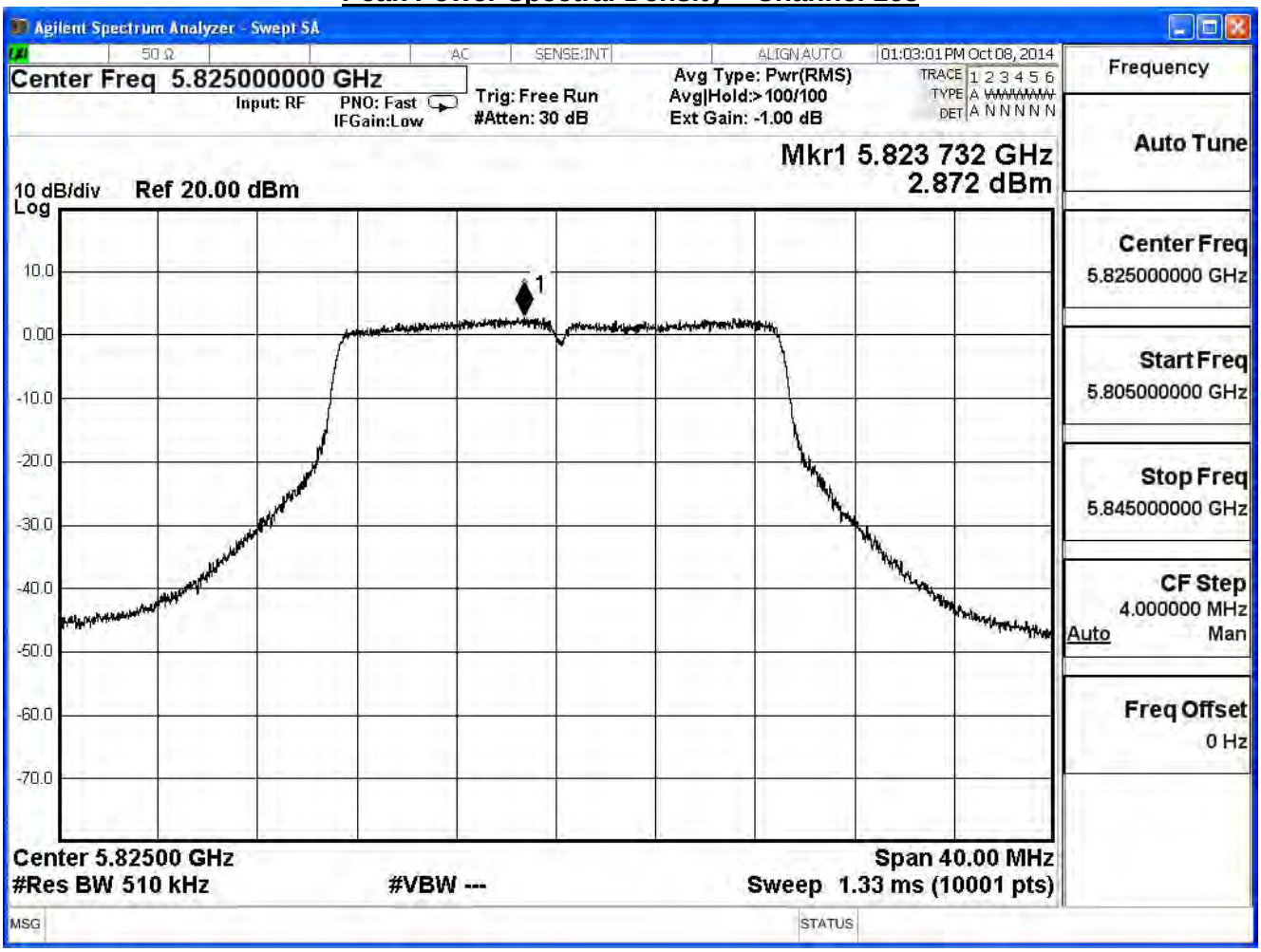
Peak Power Spectral Density – Channel 149



Peak Power Spectral Density – Channel 157



Peak Power Spectral Density – Channel 165

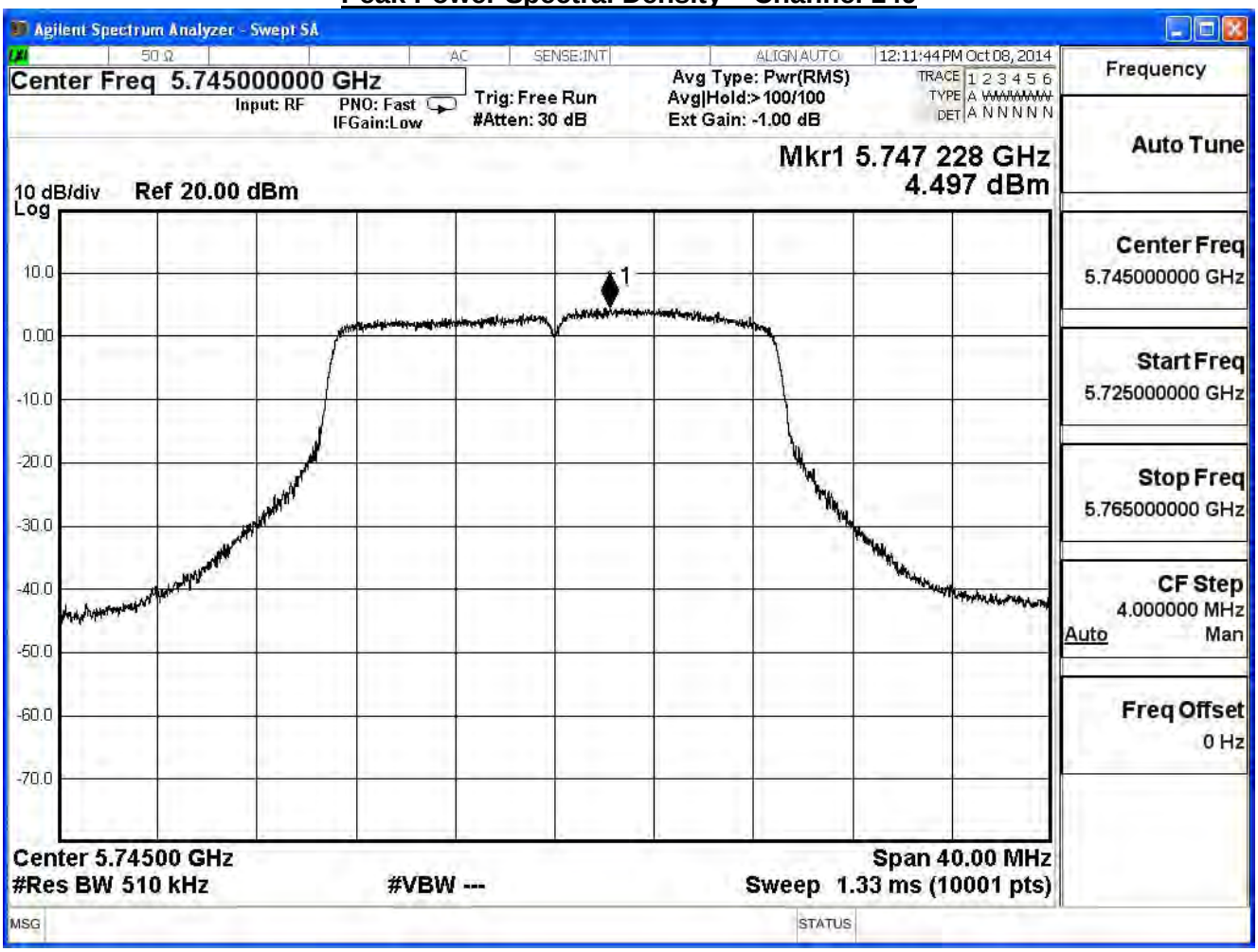


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

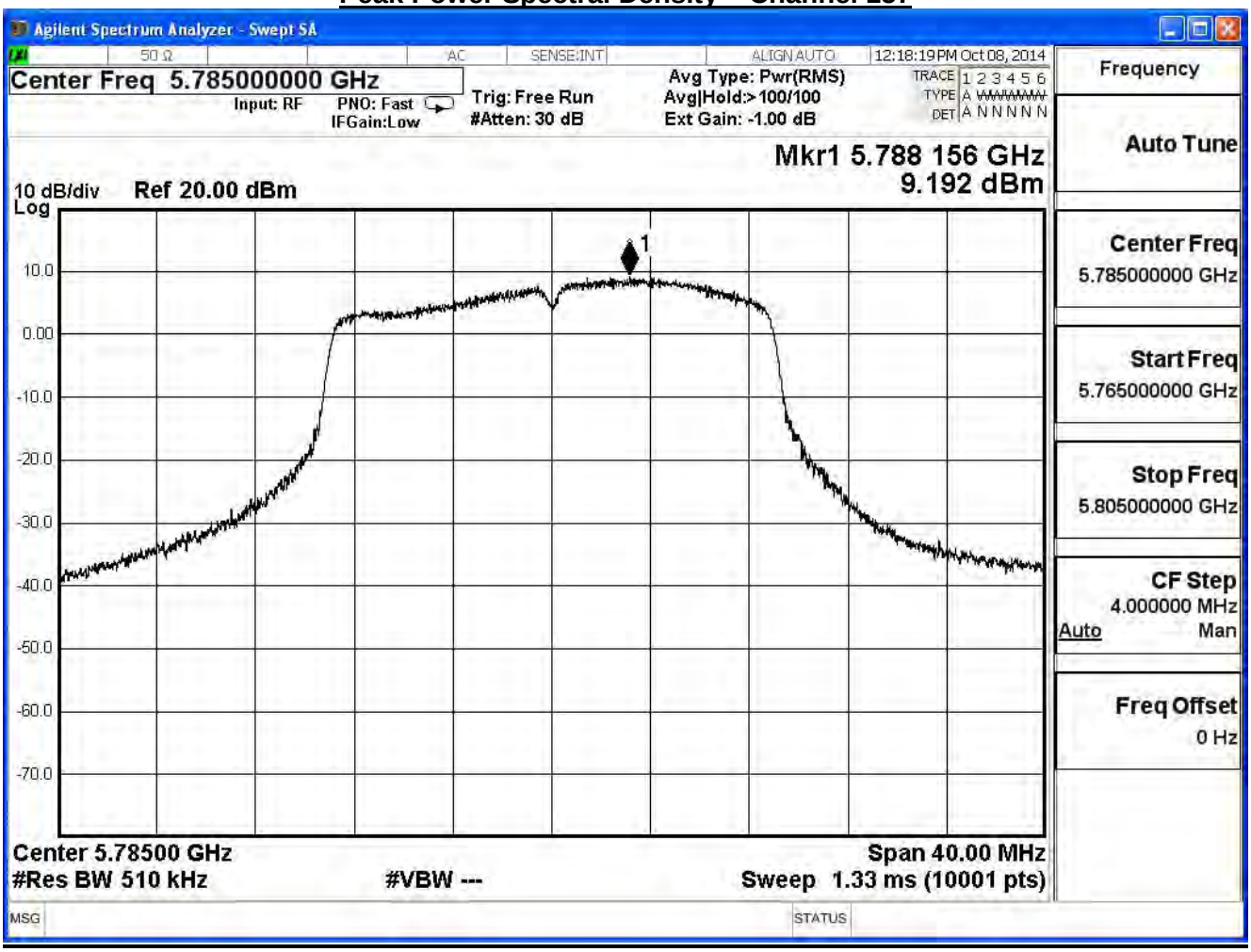
IEEE 802.11n_20M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	4.497	≦27.10	Pass
157	5785	9.192	≦27.10	Pass
165	5825	5.097	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

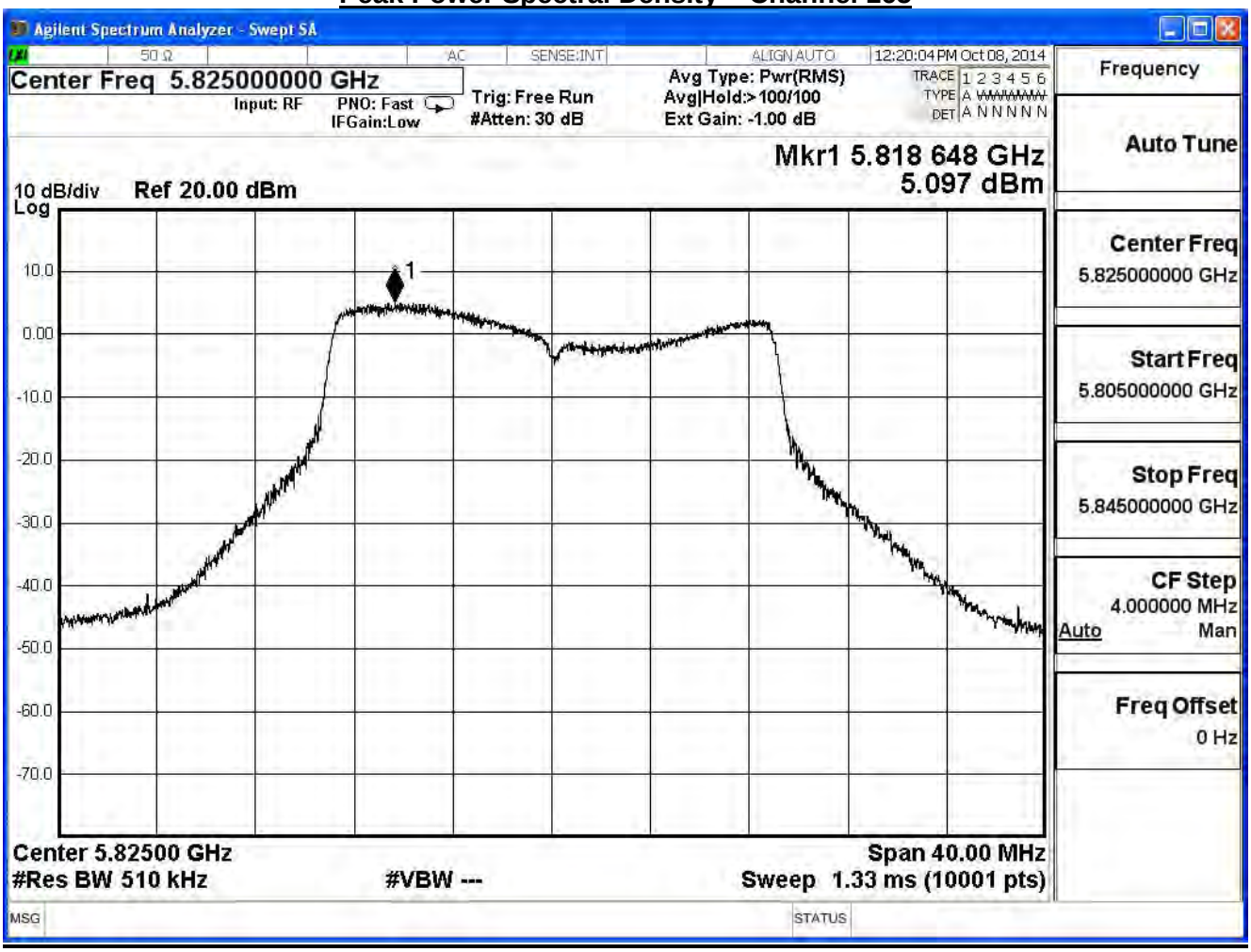
Peak Power Spectral Density – Channel 149



Peak Power Spectral Density – Channel 157



Peak Power Spectral Density – Channel 165

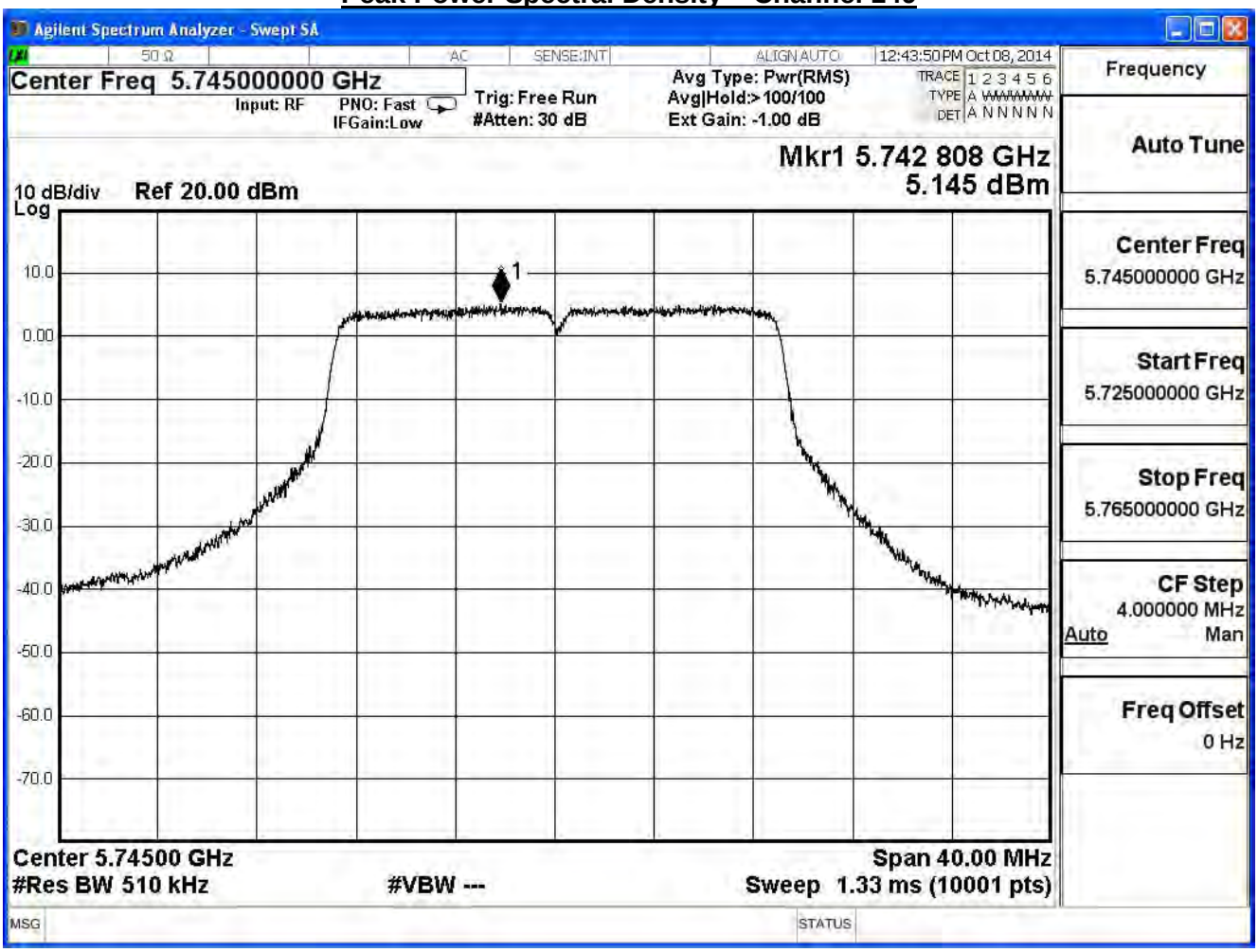


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

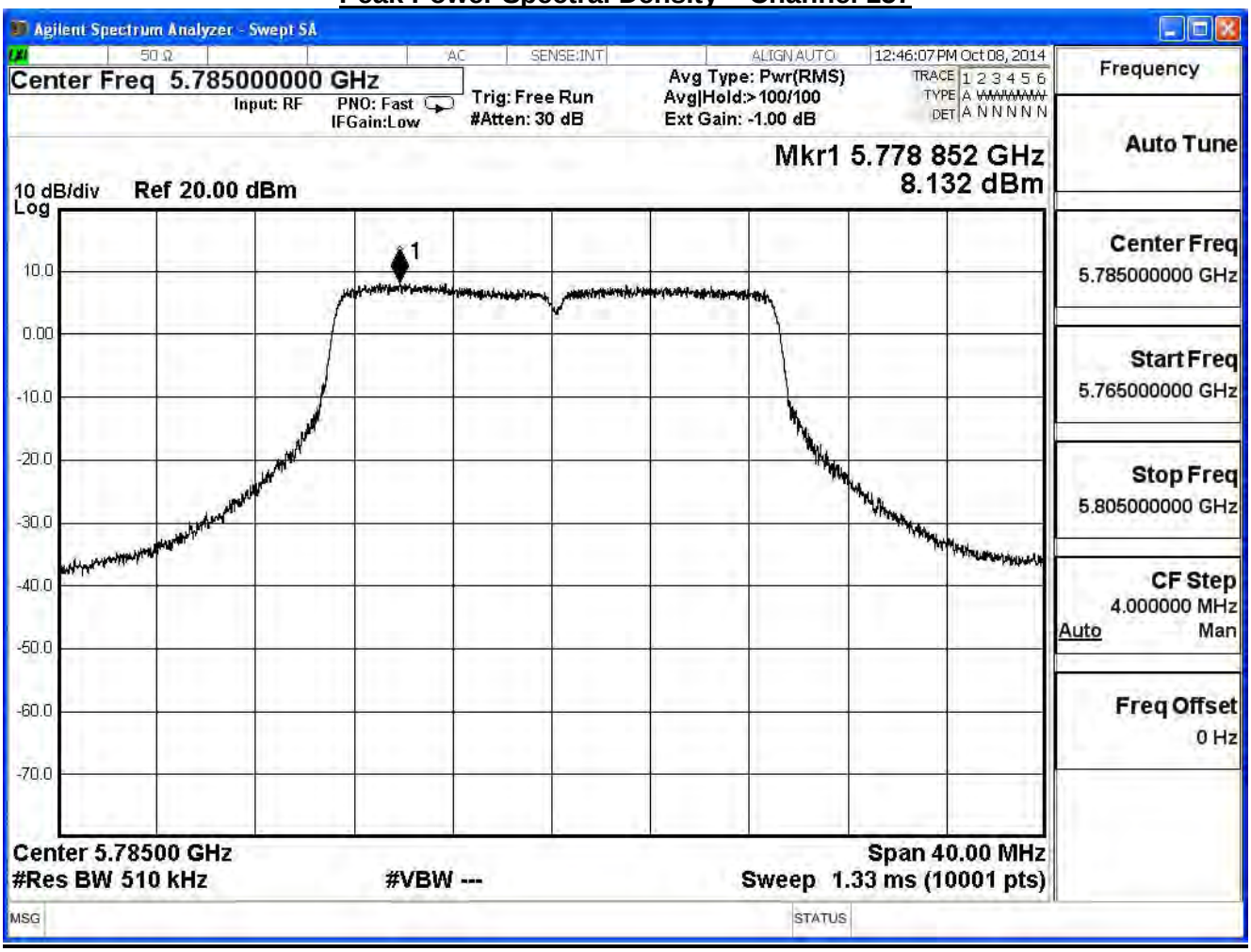
IEEE 802.11n_20M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	5.145	≦27.10	Pass
157	5785	8.132	≦27.10	Pass
165	5825	3.467	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

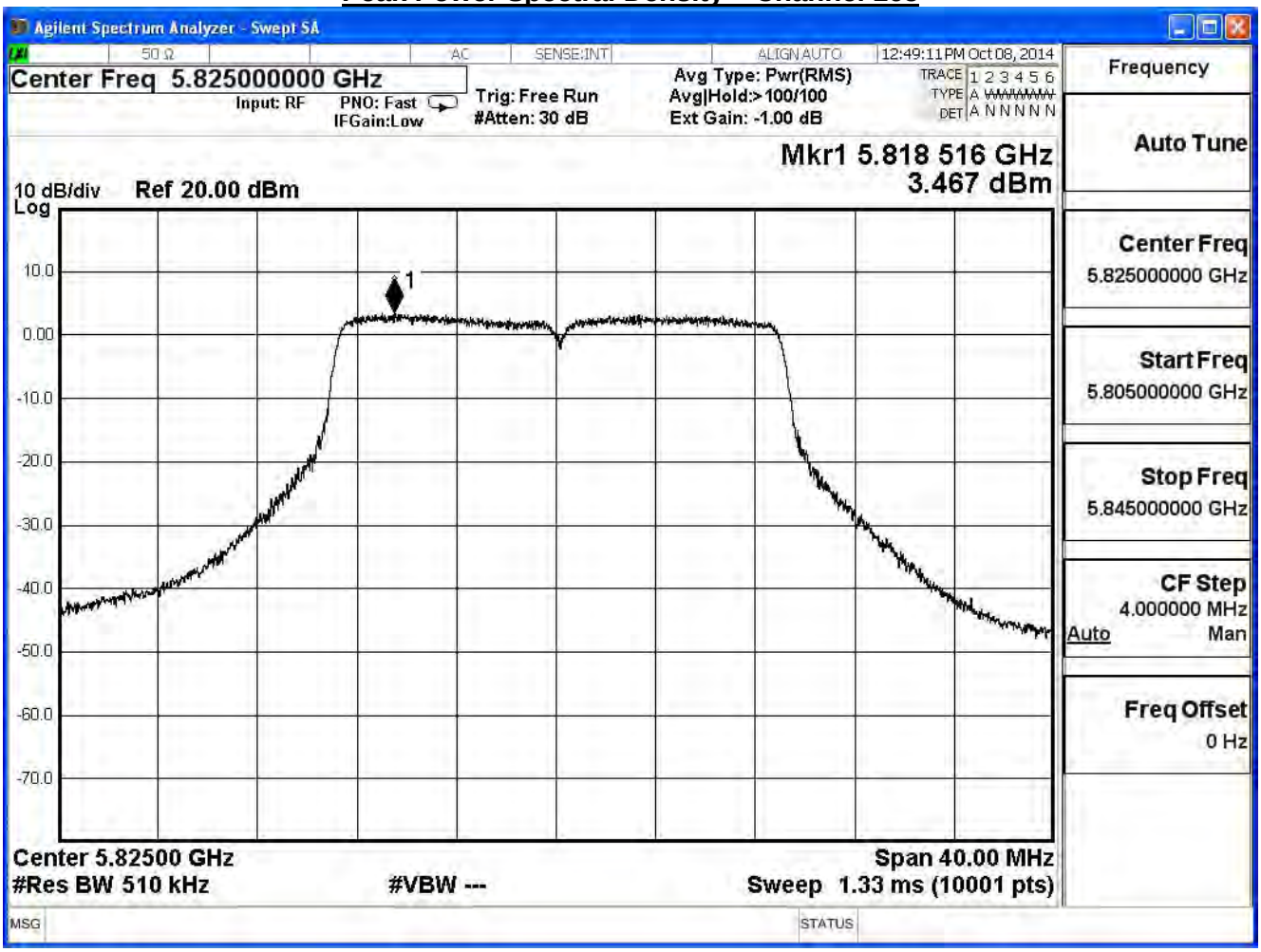
Peak Power Spectral Density – Channel 149



Peak Power Spectral Density – Channel 157



Peak Power Spectral Density – Channel 165



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11n_20M(ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
149	5745	9.313	≦27.10	Pass
157	5785	13.097	≦27.10	Pass
165	5825	8.688	≦27.10	Pass

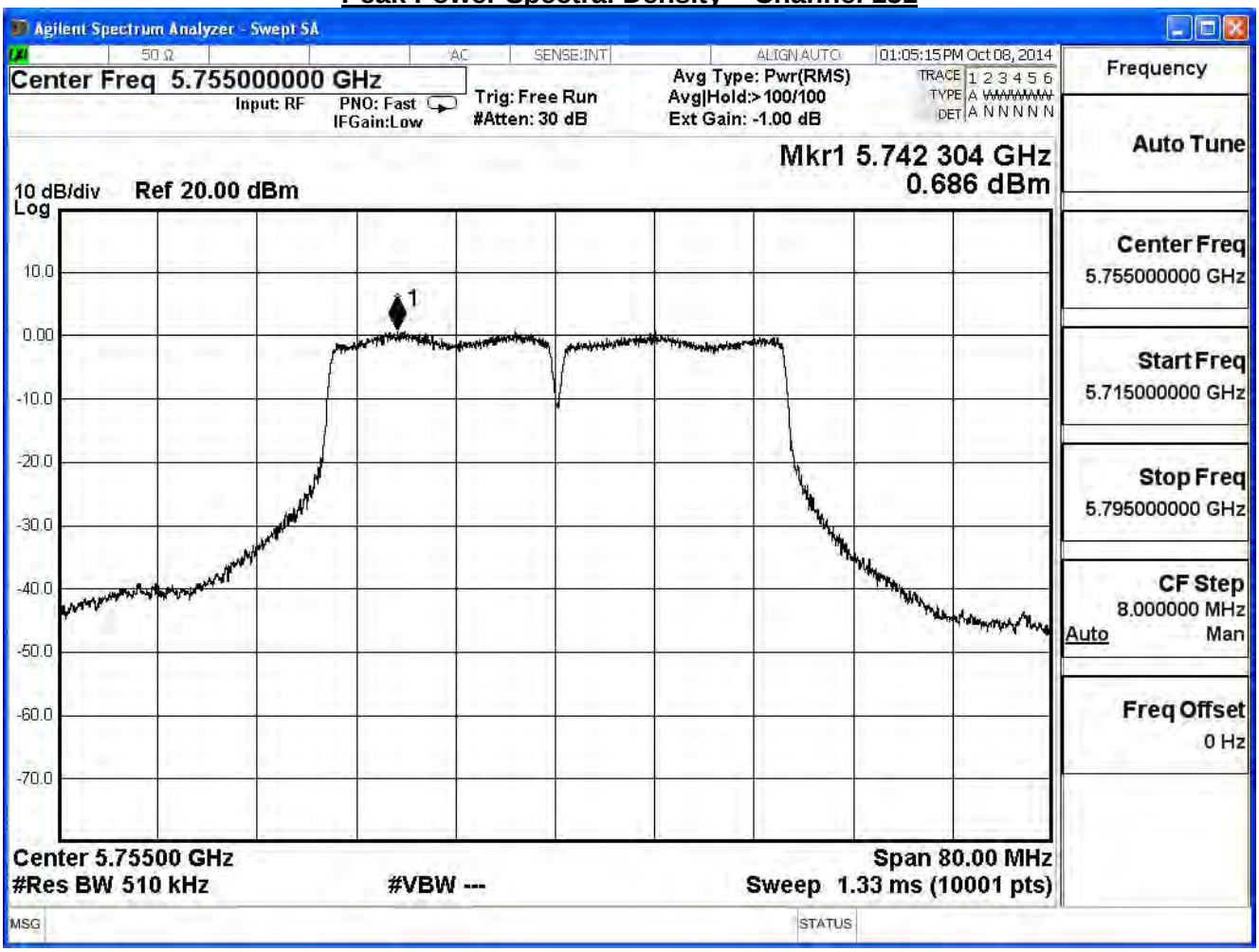
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

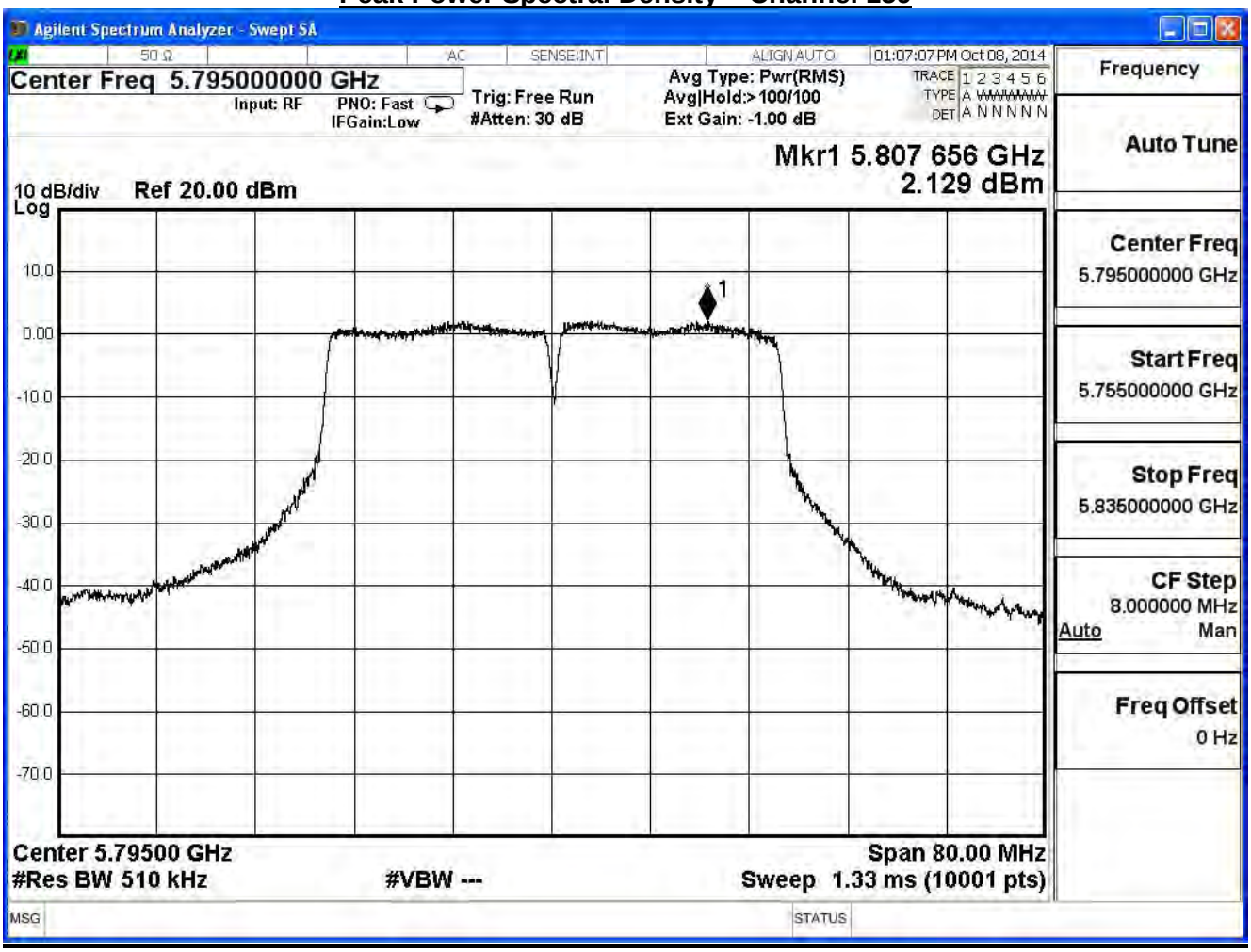
IEEE 802.11n_40M(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
151	5755	0.686	≦27.10	Pass
159	5795	2.129	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Peak Power Spectral Density – Channel 151



Peak Power Spectral Density – Channel 159

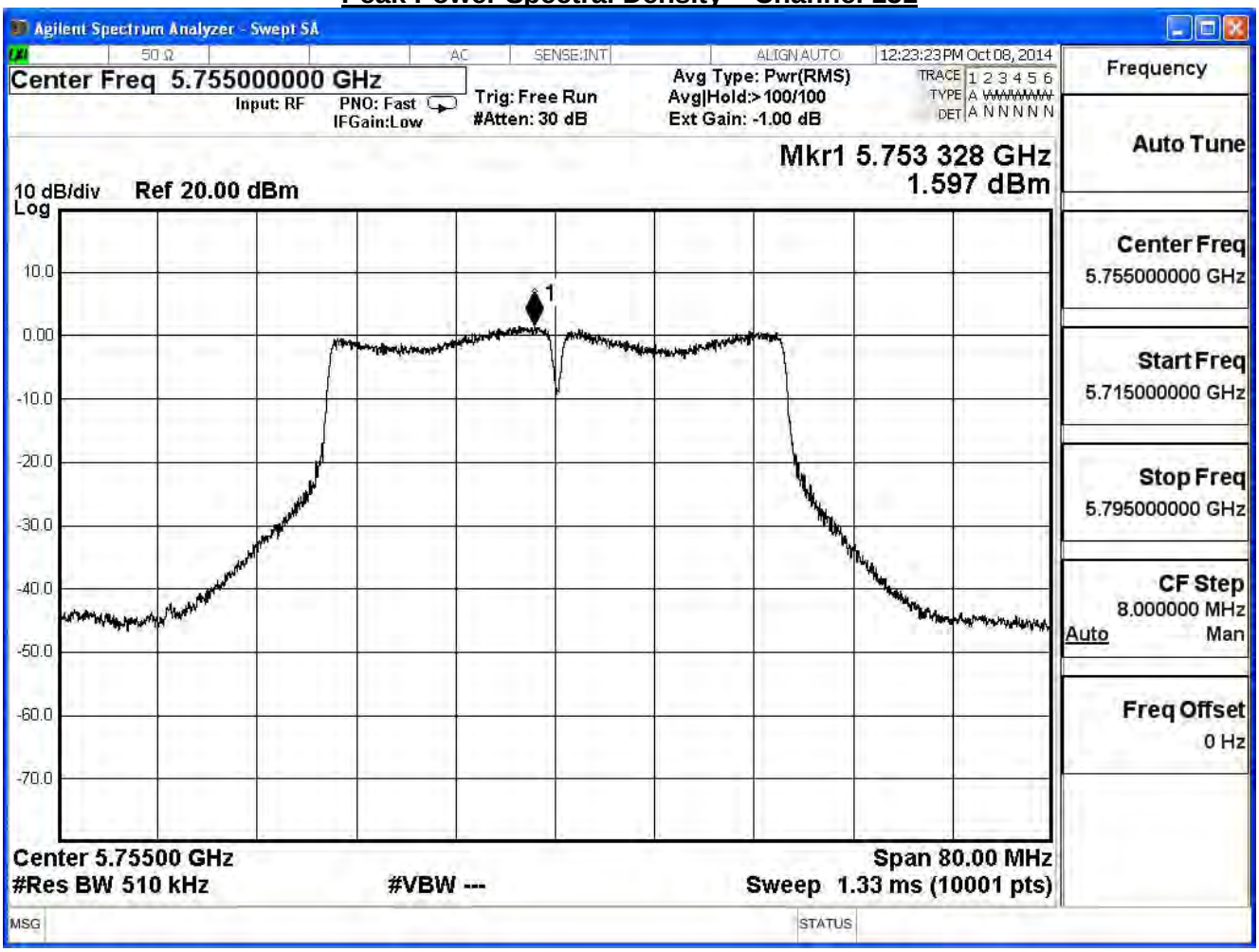


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

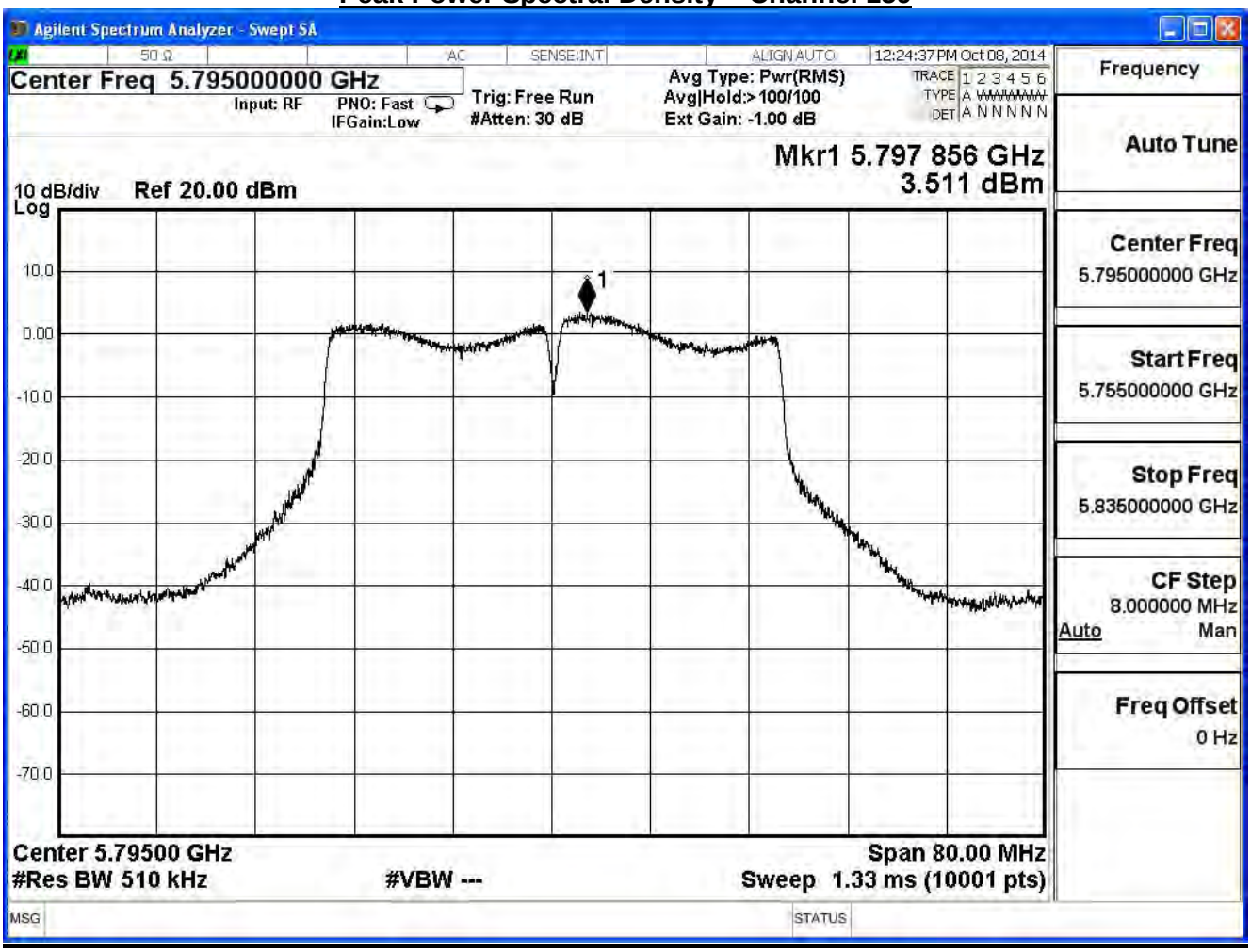
IEEE 802.11n_40M(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
151	5755	1.597	≦27.10	Pass
159	5795	3.511	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Peak Power Spectral Density – Channel 151



Peak Power Spectral Density – Channel 159

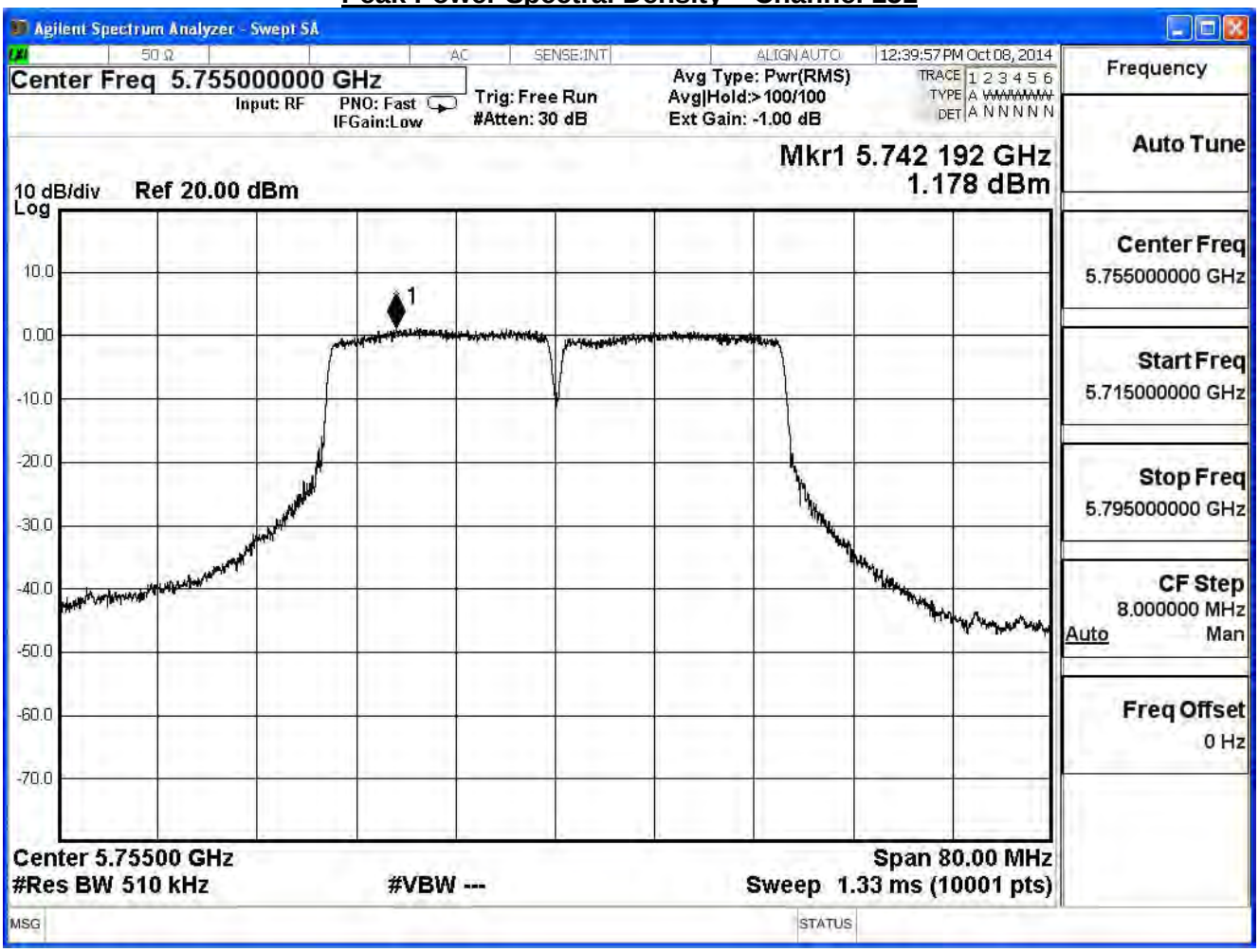


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

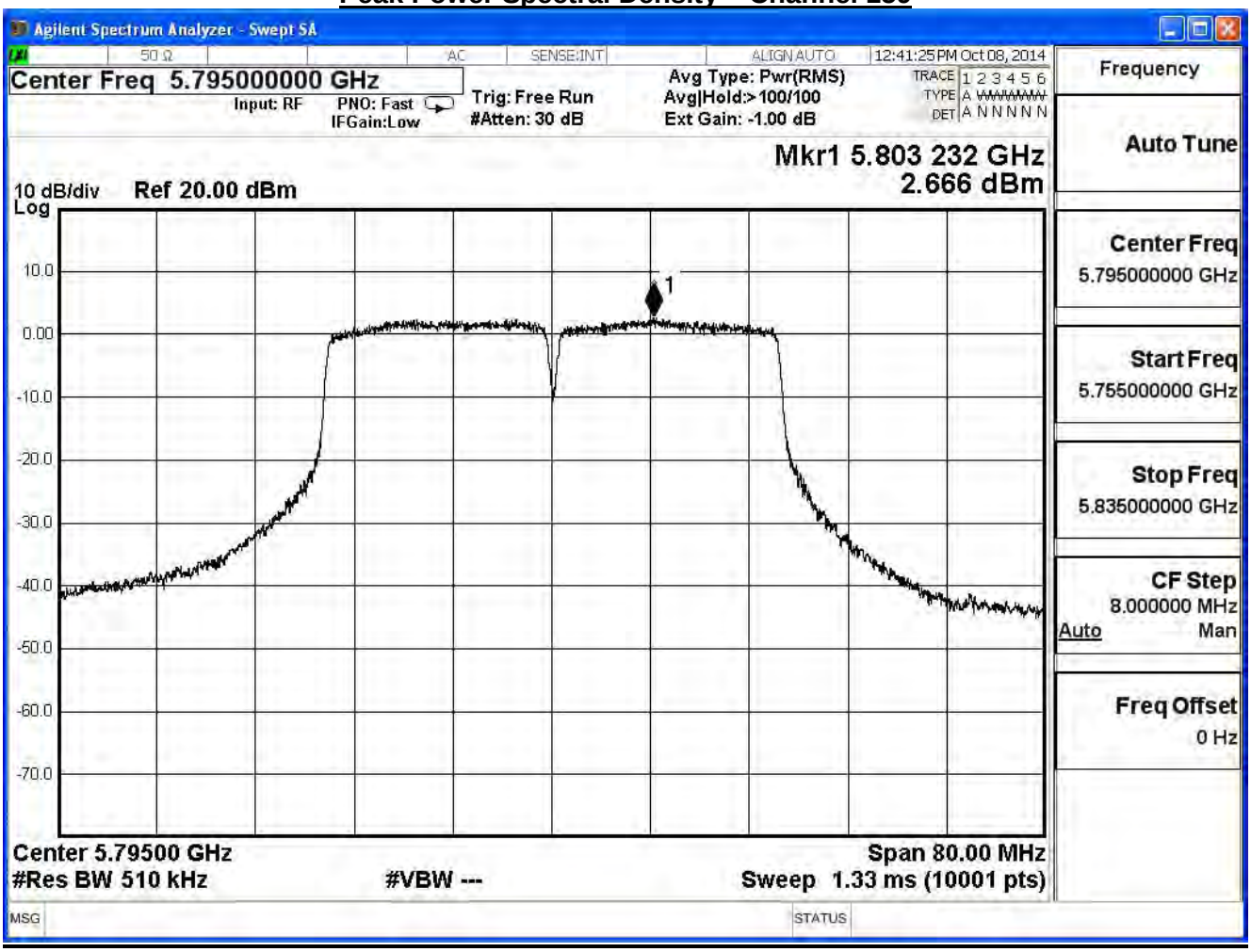
IEEE 802.11n_40M(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
151	5755	1.178	≦27.10	Pass
159	5795	2.666	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Peak Power Spectral Density – Channel 151



Peak Power Spectral Density – Channel 159



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11n_40M(ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
151	5755	5.941	≦27.10	Pass
159	5795	7.577	≦27.10	Pass

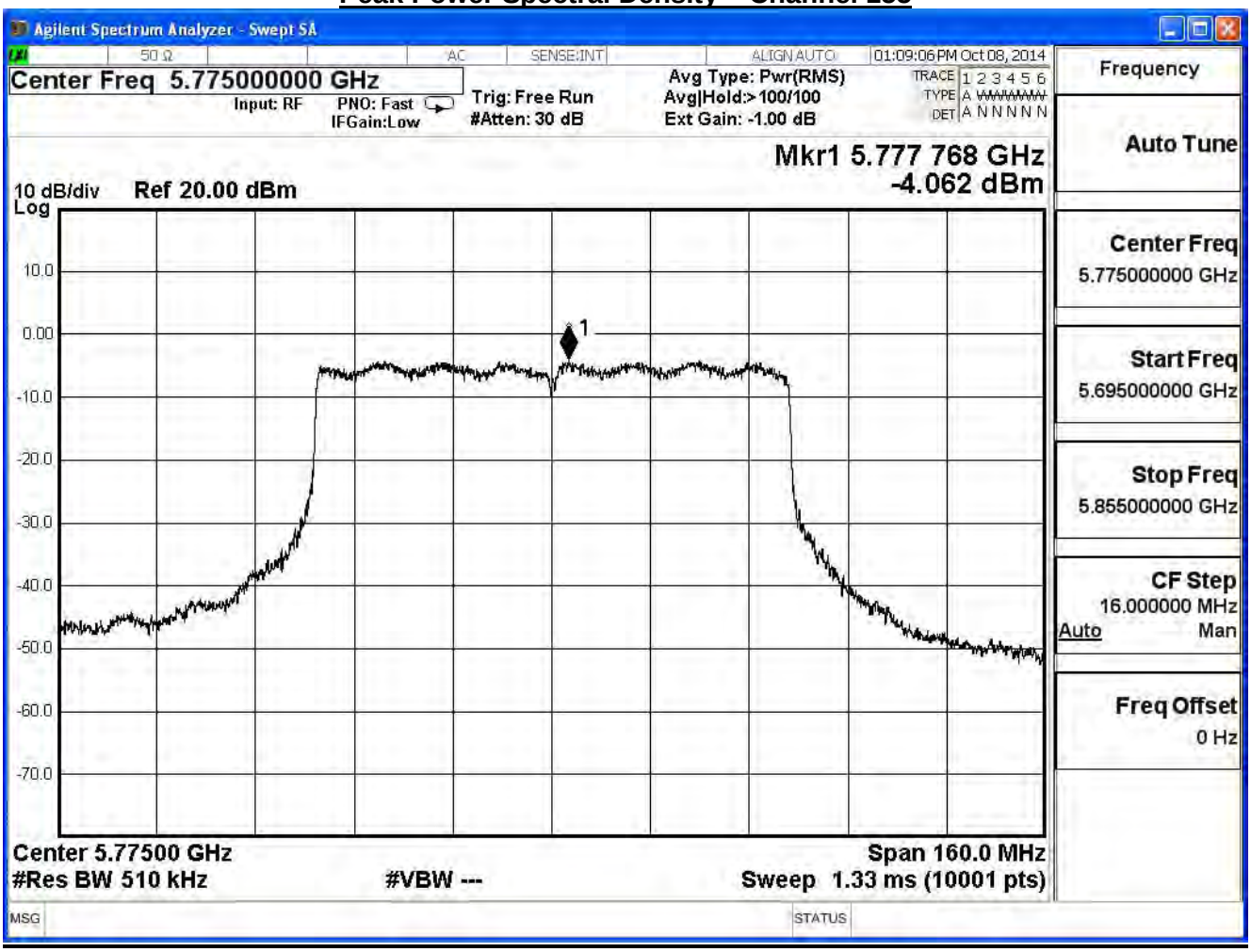
Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11ac(80M) (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
155	5775	-4.062	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Peak Power Spectral Density – Channel 155

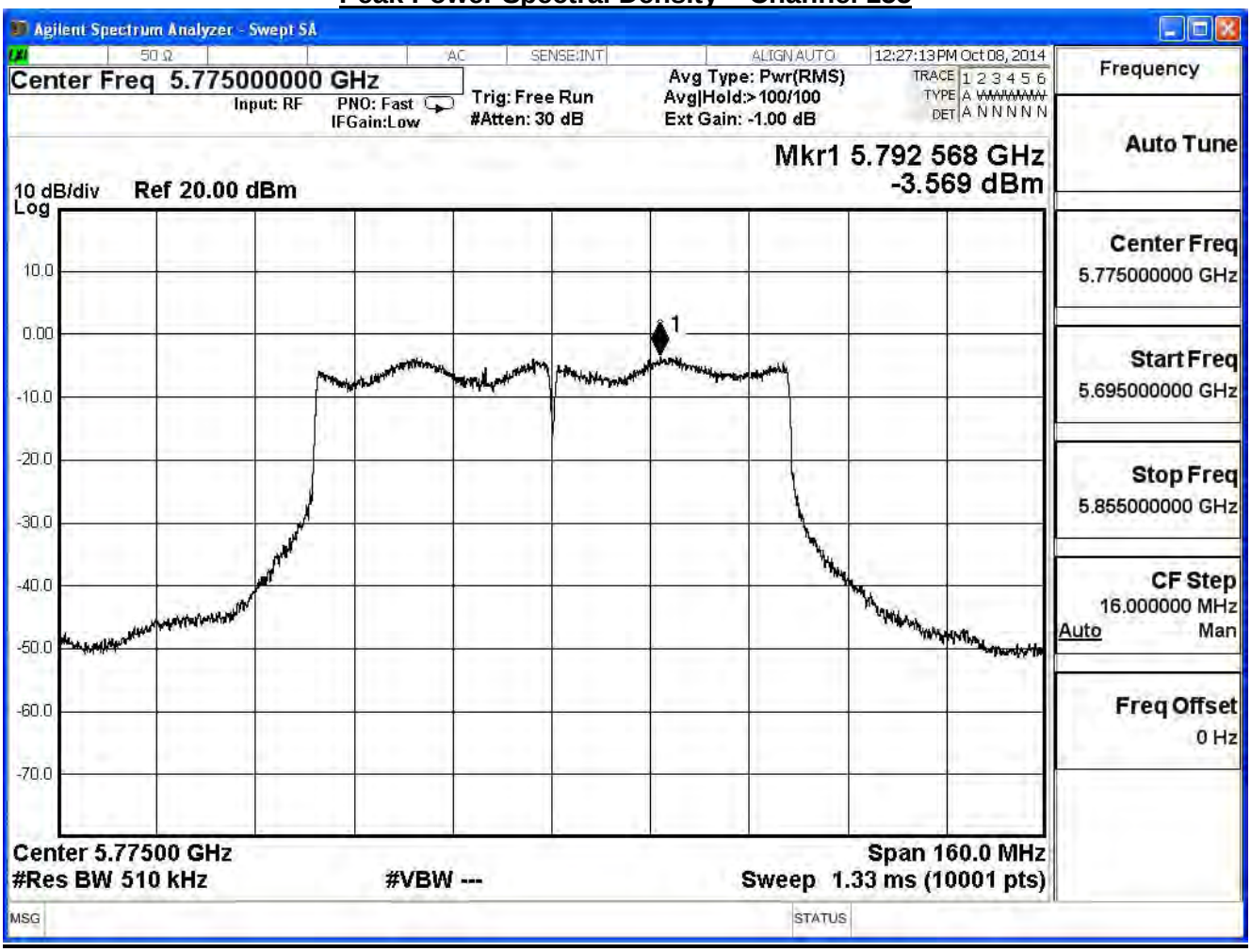


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11ac(80M) (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
155	5775	-3.569	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Peak Power Spectral Density – Channel 155

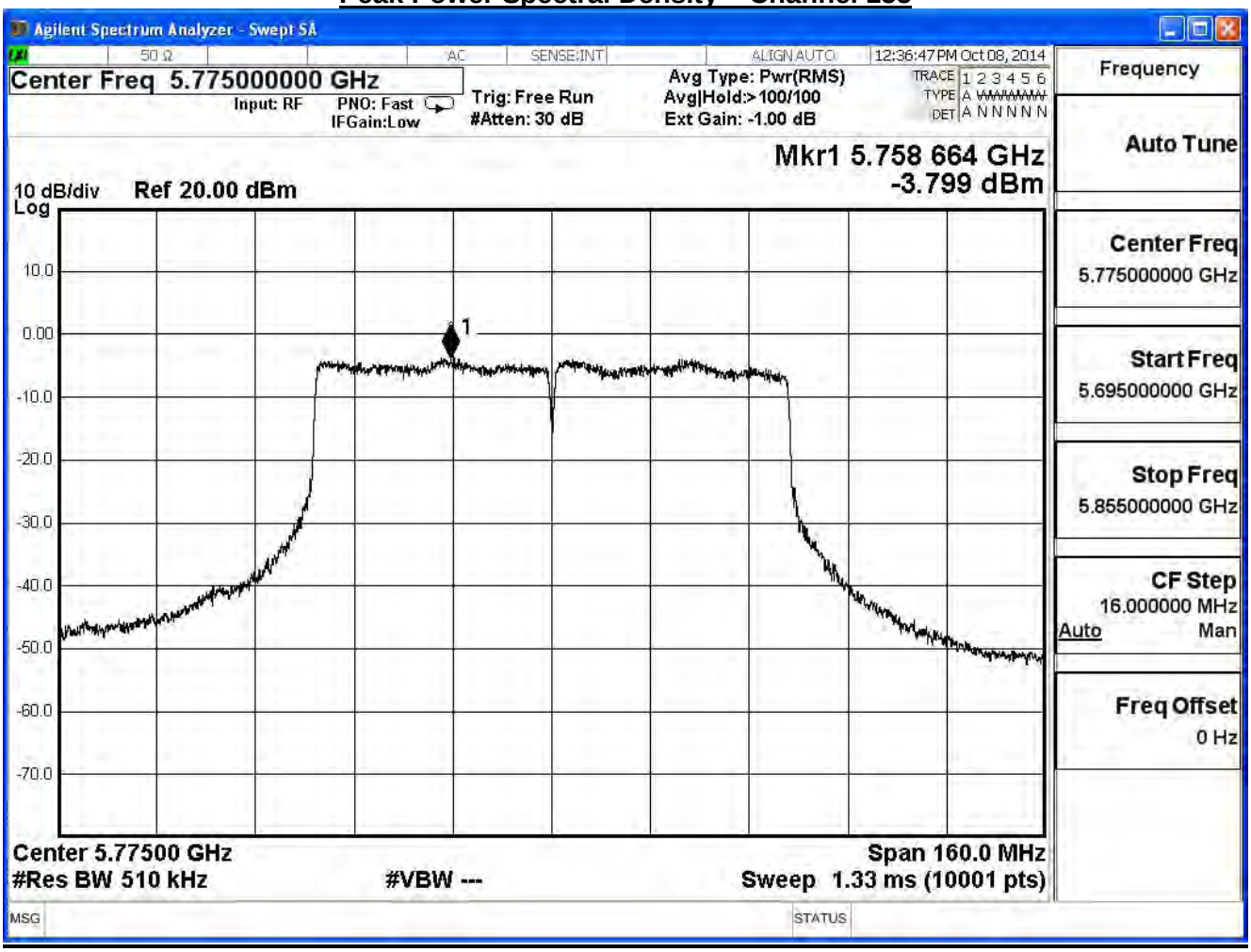


Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11ac(80M) (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
155	5775	-3.799	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

Peak Power Spectral Density – Channel 155



Product	VDSL2 Security Firewall		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/10/08	Test Site	SR7

IEEE 802.11ac(80M) (ANT 0+1+2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Required Limit (dBm)	Result
155	5775	0.966	≦27.10	Pass

Note:
Directional Antenna:10log(N)+Max Gain=8.891dBi
Required Limit:30dBm-(8.891dBi-6dB)=27.10dBm

6. Radiated Emission

6.1. Test Equipment

The following test equipments are used during the radiated emission test:

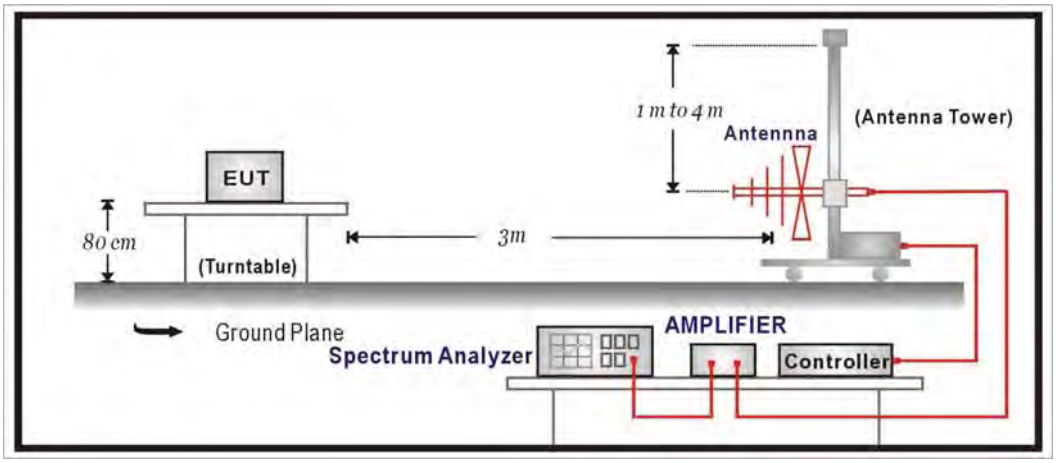
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2015/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2015/02/12
Pre-Amplifier	Quietek	AMF-4D.	888003	2015/06/02
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2015/02/06
Spectrum Analyzer	Agilent	E4440A	MY46187335	2015/01/12
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2015/02/10

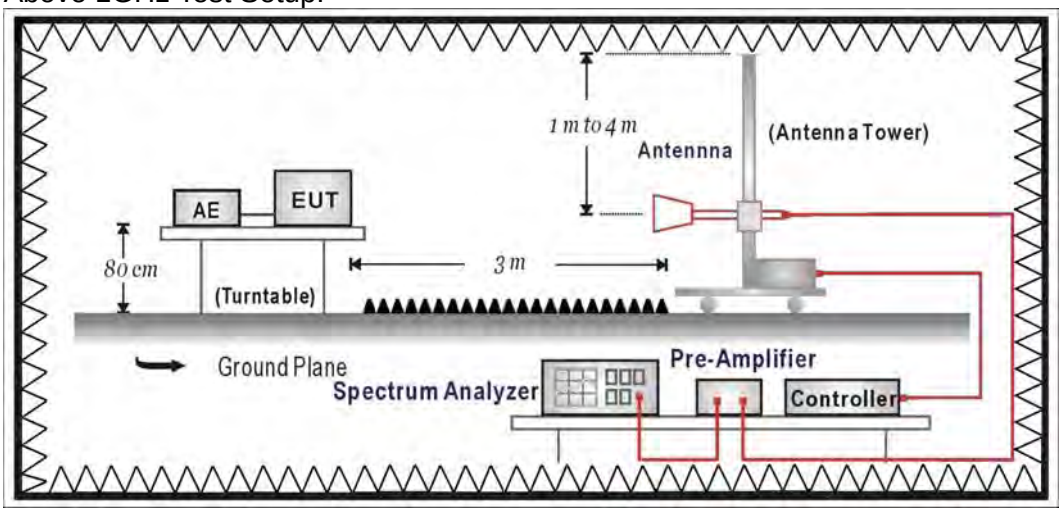
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



6.3. Limits

➢ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➢ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

6.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.
The frequency range from 30MHz to 10th harminics is checked.

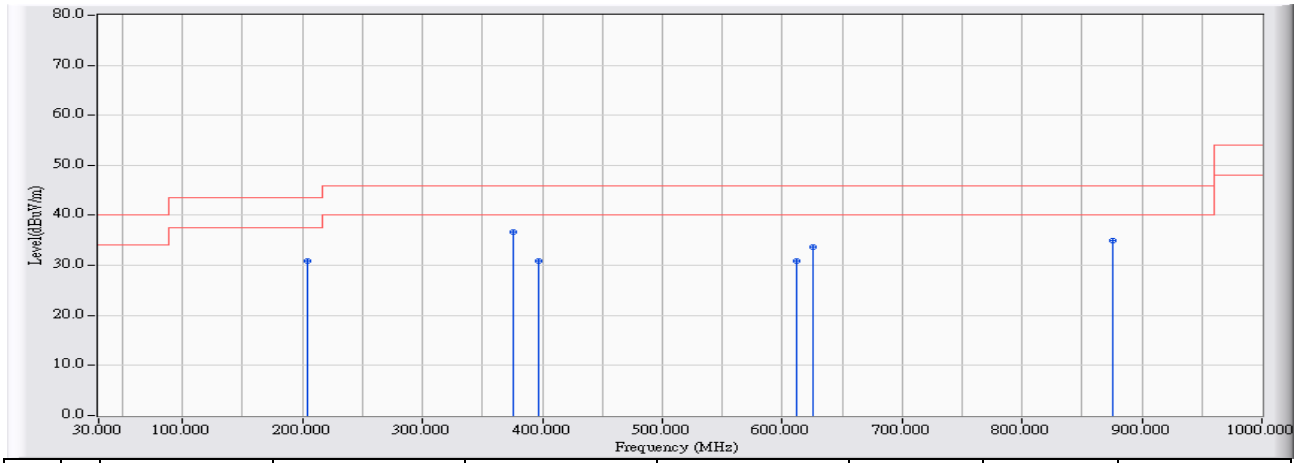
6.5. Uncertainty

The measurement uncertainty
30MHz～1GHz as ±3.43dB
1GHz～26.5Ghz as ±3.65dB

6.6. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2014/10/29 - 15:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5220 MHz**

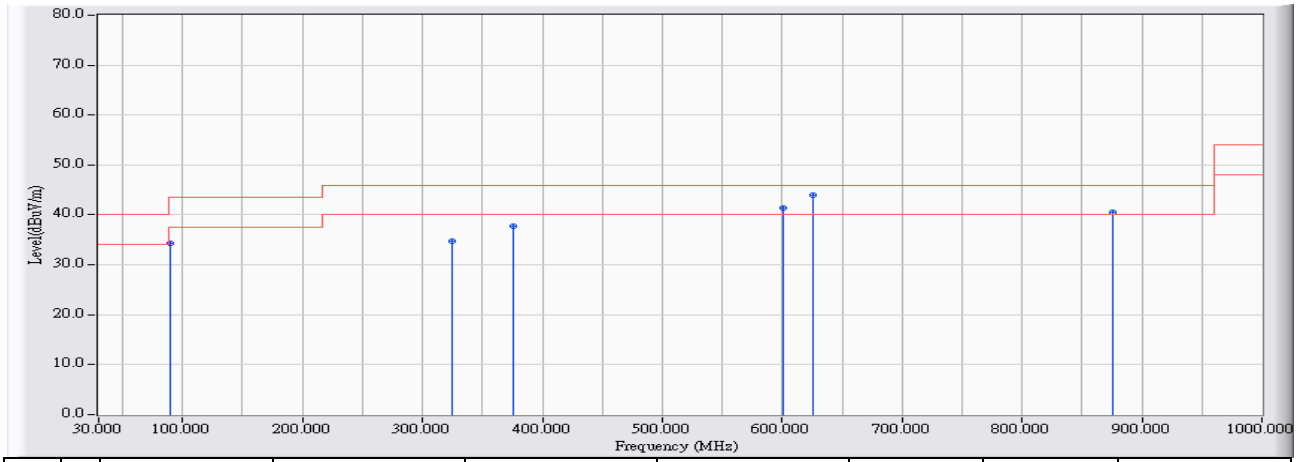


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		204.600	-26.255	57.160	30.905	-12.595	43.500	QUASIPEAK
2	*	375.320	-23.495	60.174	36.678	-9.322	46.000	QUASIPEAK
3		396.660	-22.870	53.773	30.903	-15.097	46.000	QUASIPEAK
4		612.000	-17.912	48.801	30.889	-15.111	46.000	QUASIPEAK
5		625.580	-17.862	51.500	33.638	-12.362	46.000	QUASIPEAK
6		875.840	-13.951	48.959	35.008	-10.992	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:22**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11A 5220 MHz**

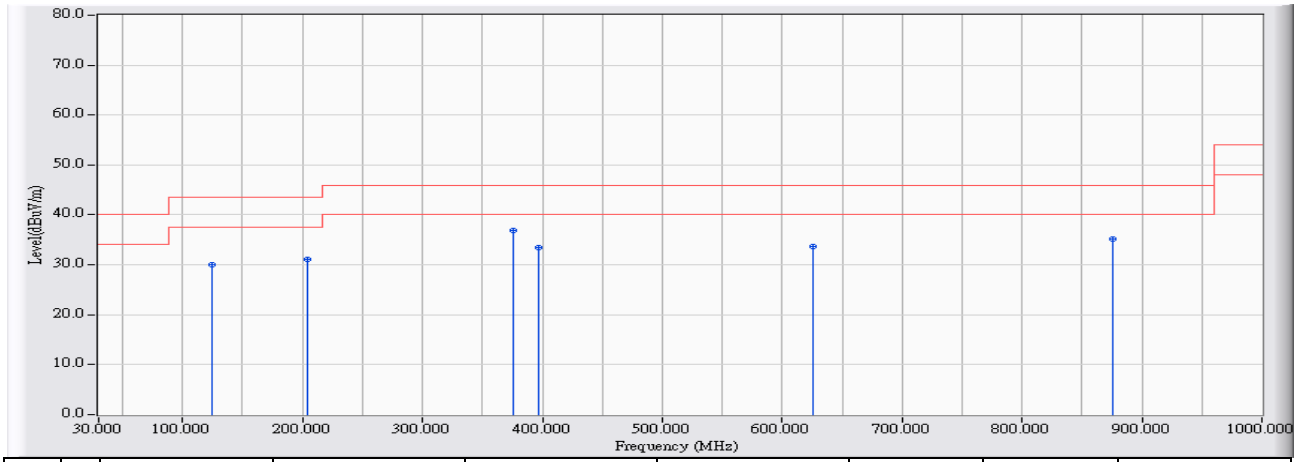


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	61.224	34.331	-9.169	43.500	QUASIPEAK
2		324.880	-24.441	59.245	34.804	-11.196	46.000	QUASIPEAK
3		375.320	-23.495	61.189	37.693	-8.307	46.000	QUASIPEAK
4		600.360	-17.955	59.268	41.312	-4.688	46.000	QUASIPEAK
5	*	625.580	-17.862	61.752	43.890	-2.110	46.000	QUASIPEAK
6		875.840	-13.951	54.571	40.620	-5.380	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:36**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5220 MHz**

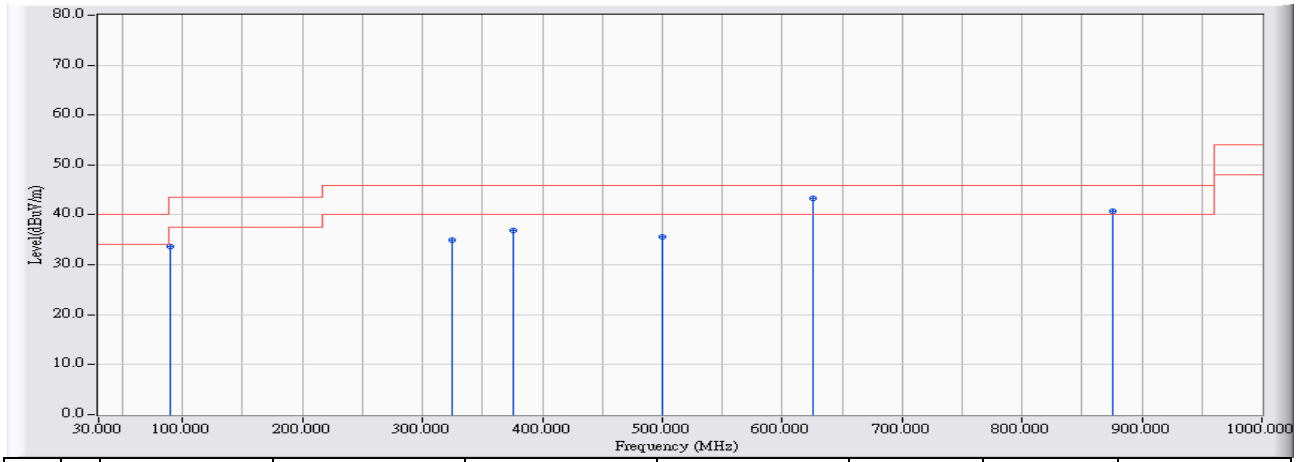


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.000	-25.100	55.143	30.043	-13.457	43.500	QUASIPEAK
2		204.600	-26.255	57.250	30.995	-12.505	43.500	QUASIPEAK
3	*	375.320	-23.495	60.288	36.792	-9.208	46.000	QUASIPEAK
4		396.660	-22.870	56.349	33.479	-12.521	46.000	QUASIPEAK
5		625.580	-17.862	51.640	33.778	-12.222	46.000	QUASIPEAK
6		875.840	-13.951	49.167	35.216	-10.784	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:23**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5220 MHz**

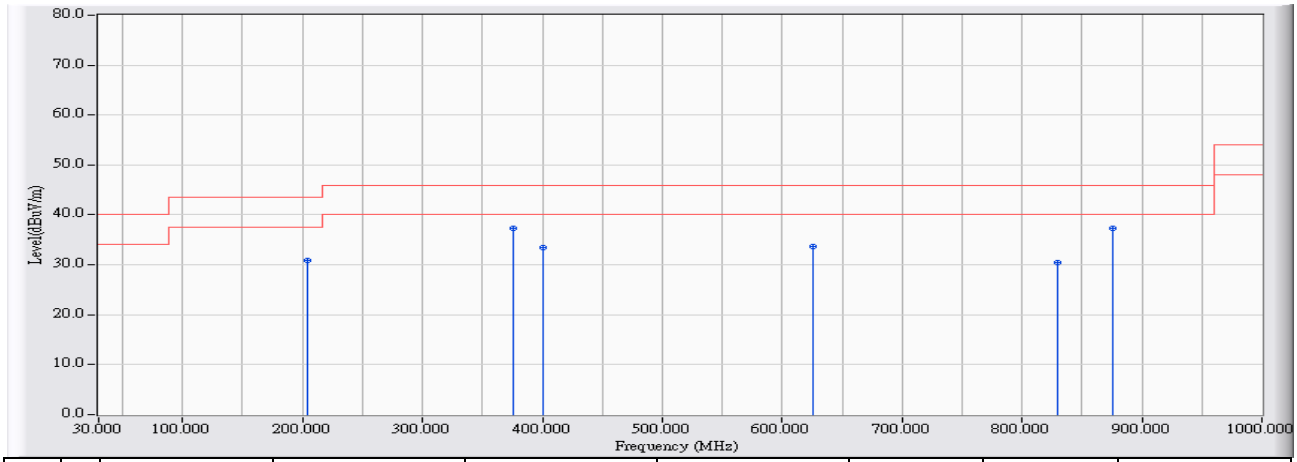


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	60.532	33.639	-9.861	43.500	QUASIPEAK
2		324.880	-24.441	59.308	34.867	-11.133	46.000	QUASIPEAK
3		375.320	-23.495	60.359	36.863	-9.137	46.000	QUASIPEAK
4		499.480	-21.220	56.915	35.696	-10.304	46.000	QUASIPEAK
5	*	625.580	-17.862	61.168	43.306	-2.694	46.000	QUASIPEAK
6		875.840	-13.951	54.675	40.724	-5.276	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:35**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190 MHz**

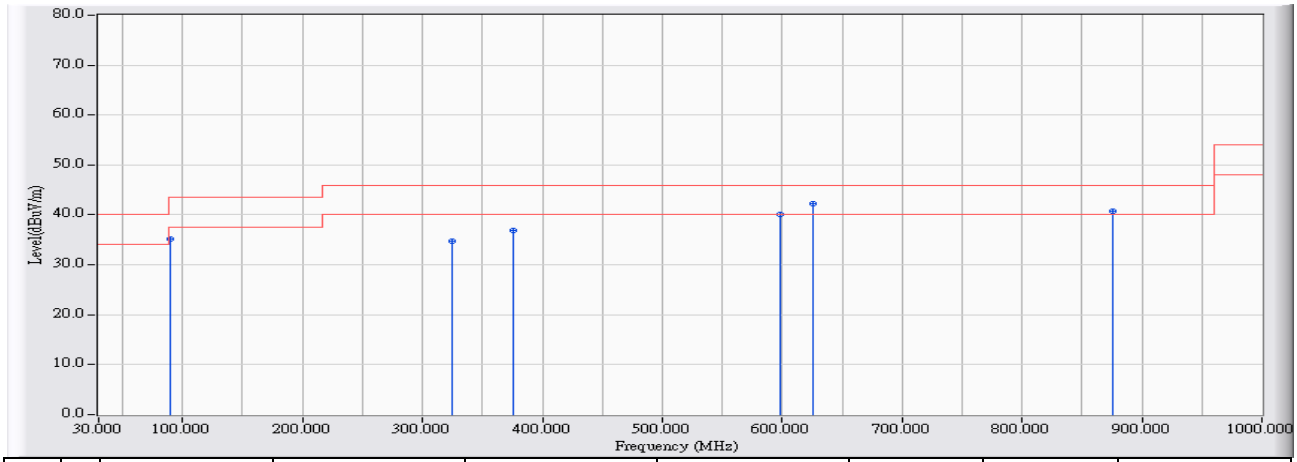


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		204.600	-26.255	57.056	30.801	-12.699	43.500	QUASIPEAK
2	*	375.320	-23.495	60.822	37.326	-8.674	46.000	QUASIPEAK
3		400.000	-22.772	56.196	33.424	-12.576	46.000	QUASIPEAK
4		625.580	-17.862	51.585	33.723	-12.277	46.000	QUASIPEAK
5		830.000	-14.933	45.350	30.418	-15.582	46.000	QUASIPEAK
6		875.840	-13.951	51.185	37.234	-8.766	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:24**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190 MHz**

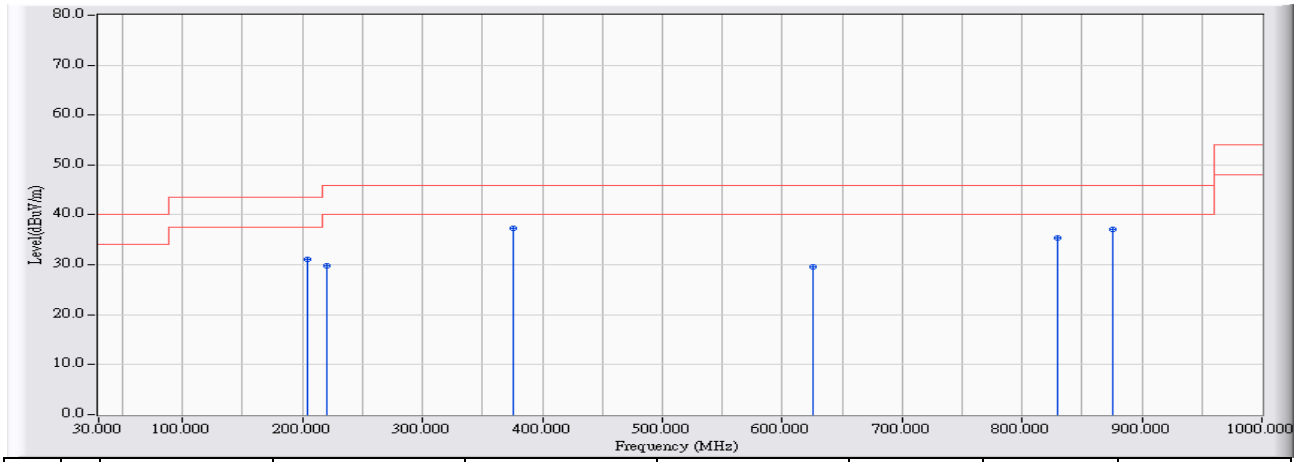


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	62.031	35.138	-8.362	43.500	QUASIPEAK
2		324.880	-24.441	59.243	34.802	-11.198	46.000	QUASIPEAK
3		375.320	-23.495	60.423	36.927	-9.073	46.000	QUASIPEAK
4		598.420	-17.972	58.160	40.188	-5.812	46.000	QUASIPEAK
5	*	625.580	-17.862	60.080	42.218	-3.782	46.000	QUASIPEAK
6		875.840	-13.951	54.785	40.834	-5.166	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:38**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M) 5210 MHz**

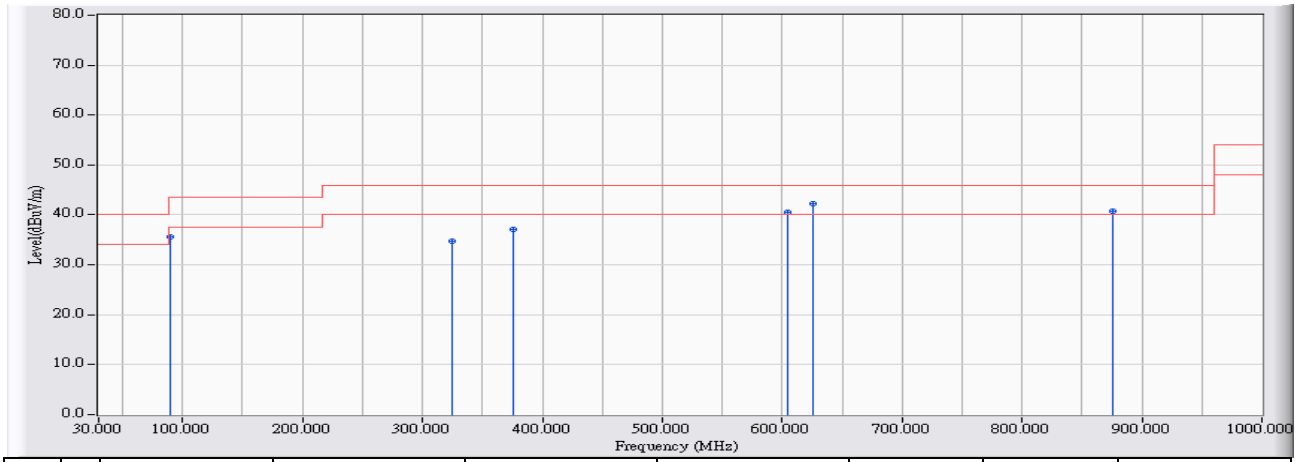


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		204.600	-26.255	57.367	31.112	-12.388	43.500	QUASIPEAK
2		220.120	-26.361	56.230	29.869	-16.131	46.000	QUASIPEAK
3	*	375.320	-23.495	60.893	37.397	-8.603	46.000	QUASIPEAK
4		625.580	-17.862	47.353	29.491	-16.509	46.000	QUASIPEAK
5		829.280	-14.950	50.430	35.480	-10.520	46.000	QUASIPEAK
6		875.840	-13.951	50.972	37.021	-8.979	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M) 5210 MHz**

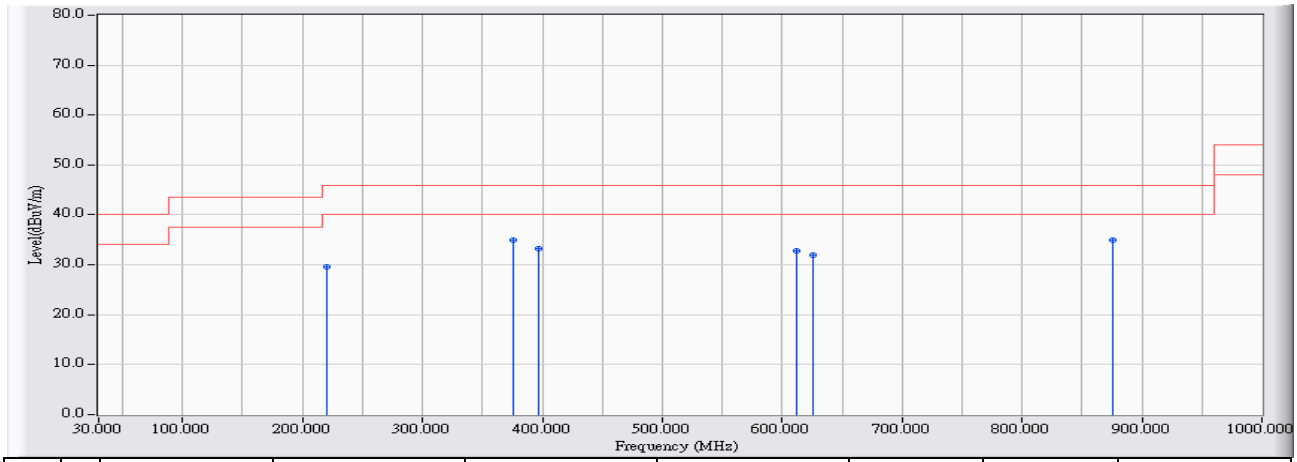


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	62.413	35.520	-7.980	43.500	QUASIPEAK
2		324.880	-24.441	59.277	34.836	-11.164	46.000	QUASIPEAK
3		375.320	-23.495	60.576	37.080	-8.920	46.000	QUASIPEAK
4		604.240	-17.941	58.387	40.446	-5.554	46.000	QUASIPEAK
5	*	625.580	-17.862	60.070	42.208	-3.792	46.000	QUASIPEAK
6		875.840	-13.951	54.638	40.687	-5.313	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:39**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5785 MHz**

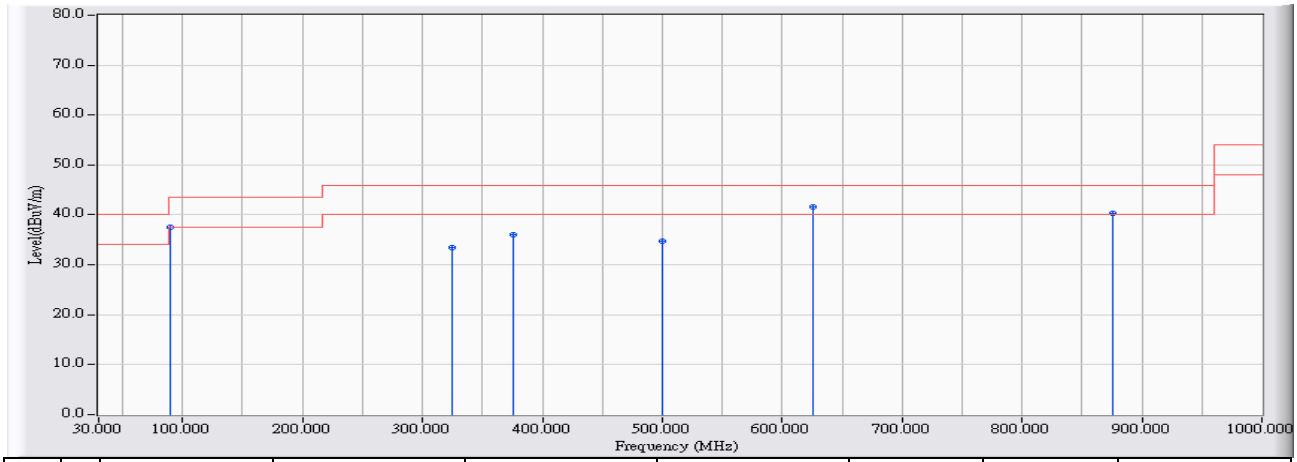


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		220.120	-26.361	55.889	29.528	-16.472	46.000	QUASIPEAK
2	*	375.320	-23.495	58.532	35.036	-10.964	46.000	QUASIPEAK
3		396.660	-22.870	56.076	33.206	-12.794	46.000	QUASIPEAK
4		612.000	-17.912	50.691	32.779	-13.221	46.000	QUASIPEAK
5		625.580	-17.862	49.826	31.964	-14.036	46.000	QUASIPEAK
6		875.840	-13.951	48.903	34.952	-11.048	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:19**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11A 5785 MHz**

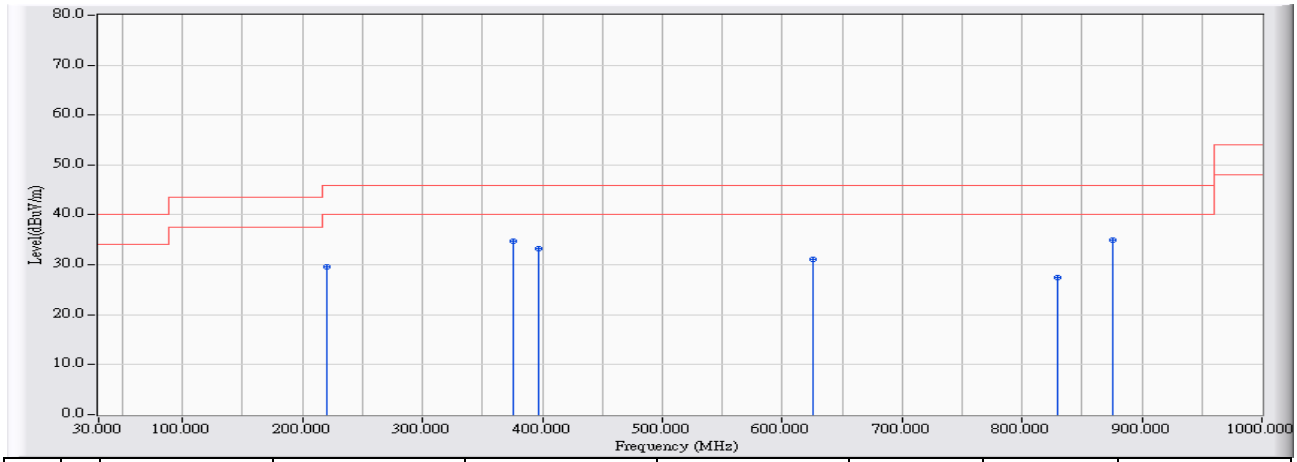


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	64.421	37.528	-5.972	43.500	QUASIPEAK
2		324.880	-24.441	57.906	33.465	-12.535	46.000	QUASIPEAK
3		375.320	-23.495	59.430	35.934	-10.066	46.000	QUASIPEAK
4		499.480	-21.220	56.004	34.785	-11.215	46.000	QUASIPEAK
5	*	625.580	-17.862	59.477	41.615	-4.385	46.000	QUASIPEAK
6		875.840	-13.951	54.349	40.398	-5.602	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:40**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785 MHz**

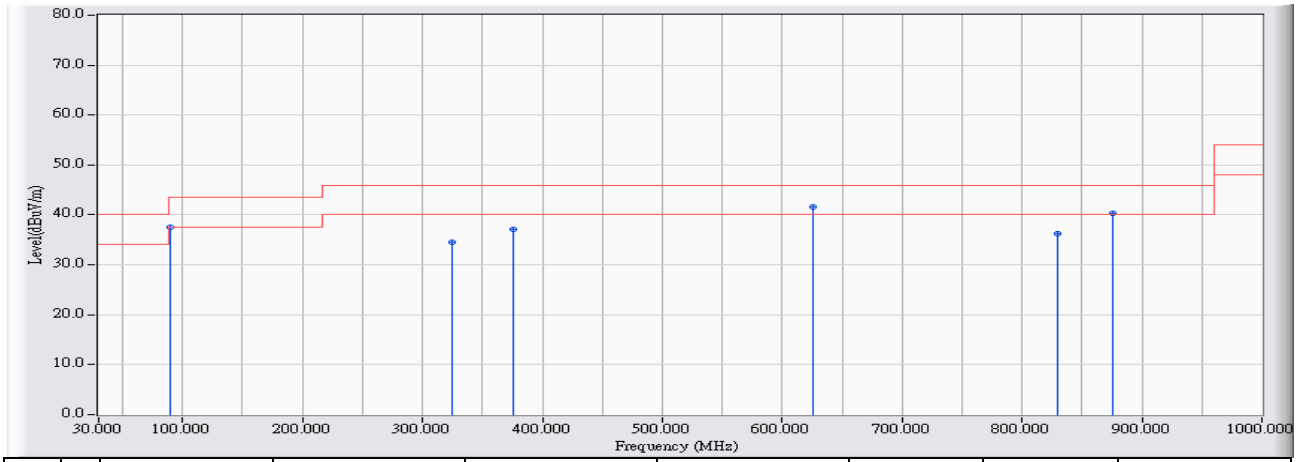


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		220.120	-26.361	55.889	29.528	-16.472	46.000	QUASIPEAK
2		375.320	-23.495	58.336	34.840	-11.160	46.000	QUASIPEAK
3		396.660	-22.870	56.076	33.206	-12.794	46.000	QUASIPEAK
4		625.580	-17.862	48.900	31.038	-14.962	46.000	QUASIPEAK
5		829.280	-14.950	42.357	27.407	-18.593	46.000	QUASIPEAK
6	*	875.840	-13.951	48.903	34.952	-11.048	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:20**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785 MHz**

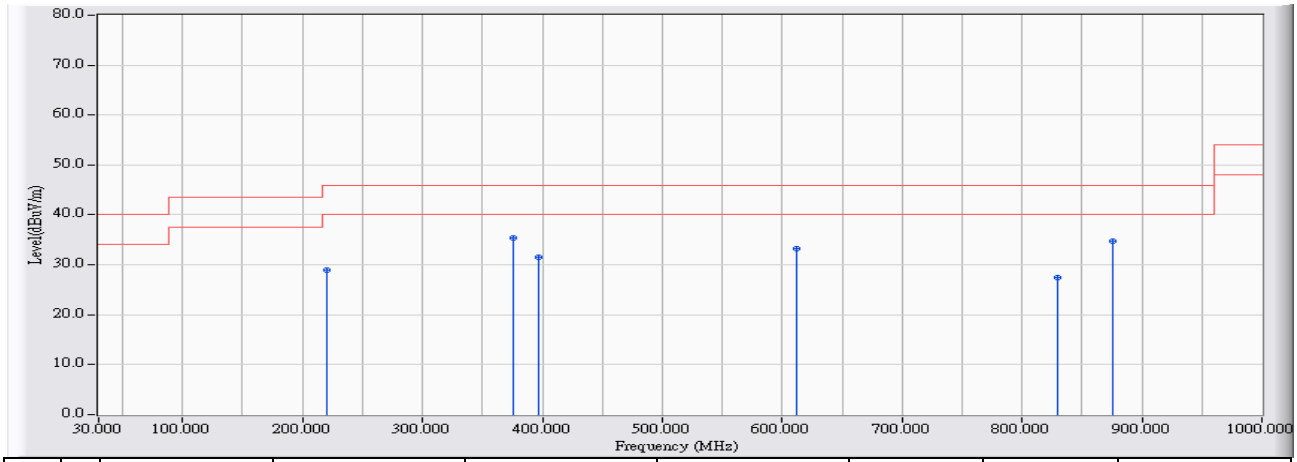


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	64.421	37.528	-5.972	43.500	QUASIPEAK
2		324.880	-24.441	58.955	34.514	-11.486	46.000	QUASIPEAK
3		375.320	-23.495	60.624	37.128	-8.872	46.000	QUASIPEAK
4	*	625.580	-17.862	59.477	41.615	-4.385	46.000	QUASIPEAK
5		829.280	-14.950	51.277	36.327	-9.673	46.000	QUASIPEAK
6		875.840	-13.951	54.349	40.398	-5.602	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:42**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755 MHz**

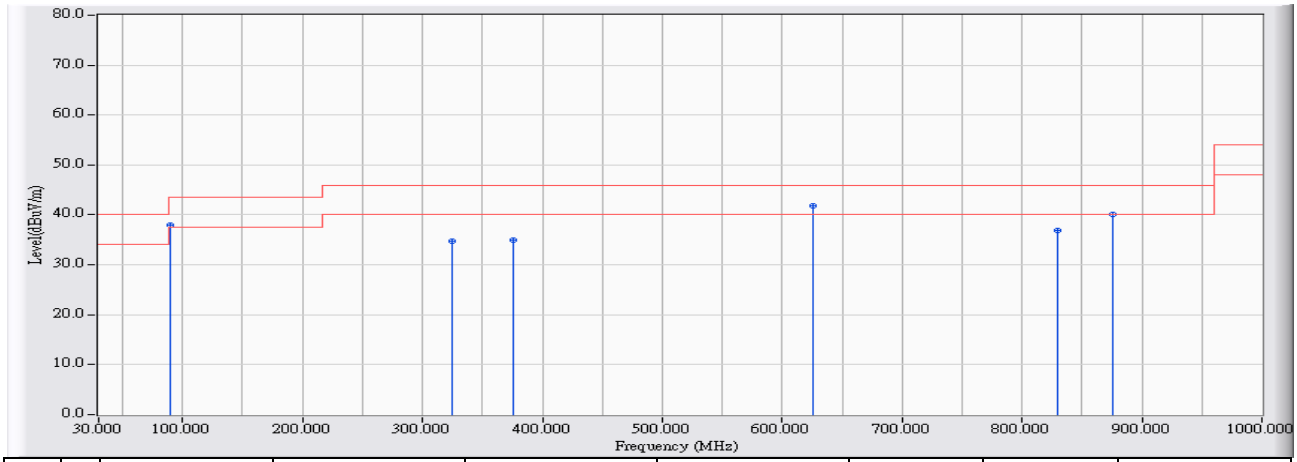


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		220.120	-26.361	55.249	28.888	-17.112	46.000	QUASIPEAK
2	*	375.320	-23.495	58.962	35.466	-10.534	46.000	QUASIPEAK
3		396.660	-22.870	54.343	31.473	-14.527	46.000	QUASIPEAK
4		612.000	-17.912	51.158	33.246	-12.754	46.000	QUASIPEAK
5		829.280	-14.950	42.432	27.482	-18.518	46.000	QUASIPEAK
6		875.840	-13.951	48.749	34.798	-11.202	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:21**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755 MHz**

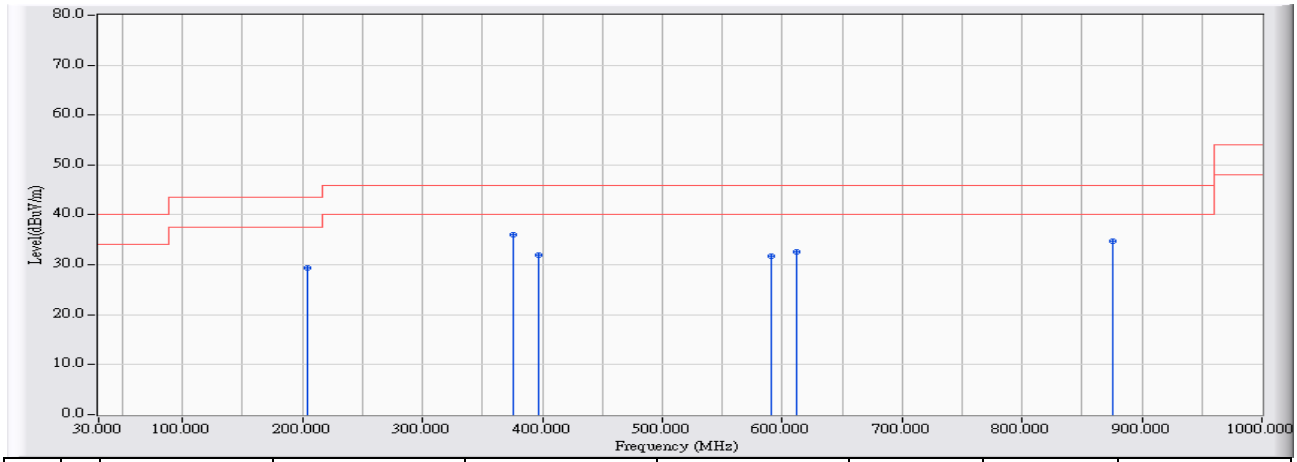


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	64.953	38.060	-5.440	43.500	QUASIPEAK
2		324.880	-24.441	59.194	34.753	-11.247	46.000	QUASIPEAK
3		375.320	-23.495	58.360	34.864	-11.136	46.000	QUASIPEAK
4	*	625.580	-17.862	59.739	41.877	-4.123	46.000	QUASIPEAK
5		829.280	-14.950	51.815	36.865	-9.135	46.000	QUASIPEAK
6		875.840	-13.951	53.970	40.019	-5.981	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:41**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M) 5775 MHz**

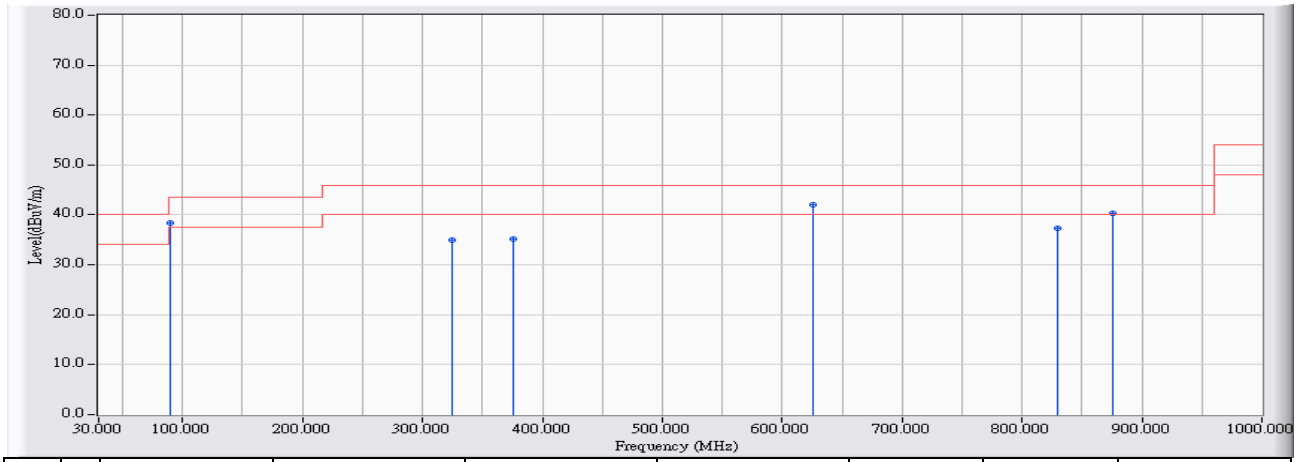


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		204.600	-26.255	55.553	29.298	-14.202	43.500	QUASIPEAK
2	*	375.320	-23.495	59.521	36.025	-9.975	46.000	QUASIPEAK
3		396.660	-22.870	54.758	31.888	-14.112	46.000	QUASIPEAK
4		590.660	-18.047	49.695	31.648	-14.352	46.000	QUASIPEAK
5		612.000	-17.912	50.413	32.501	-13.499	46.000	QUASIPEAK
6		875.840	-13.951	48.796	34.845	-11.155	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2014/10/29 - 15:15**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_30M-1G-4_9161 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M) 5775 MHz**



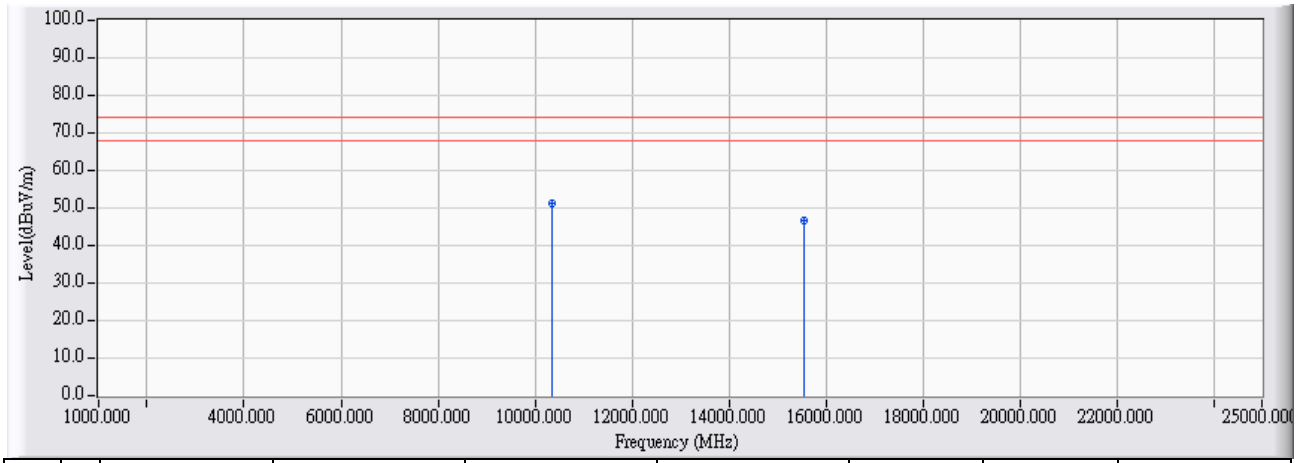
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.140	-26.892	65.271	38.378	-5.122	43.500	QUASIPEAK
2		324.880	-24.441	59.345	34.904	-11.096	46.000	QUASIPEAK
3		375.320	-23.495	58.708	35.212	-10.788	46.000	QUASIPEAK
4	*	625.580	-17.862	59.941	42.079	-3.921	46.000	QUASIPEAK
5		829.280	-14.950	52.275	37.325	-8.675	46.000	QUASIPEAK
6		875.840	-13.951	54.249	40.298	-5.702	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Harmonic & Spurious:

Site : CB1	**Time : 2014/10/27 - 14:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5180 MHz**

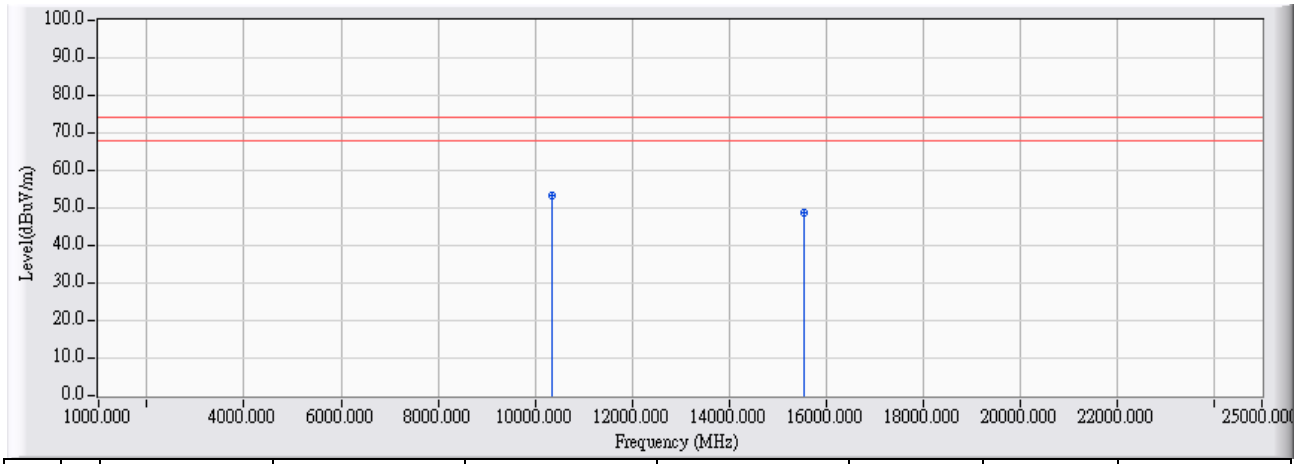


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	8.692	42.650	51.342	-22.658	74.000	PEAK
2		15540.000	11.136	35.531	46.667	-27.333	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5180 MHz**

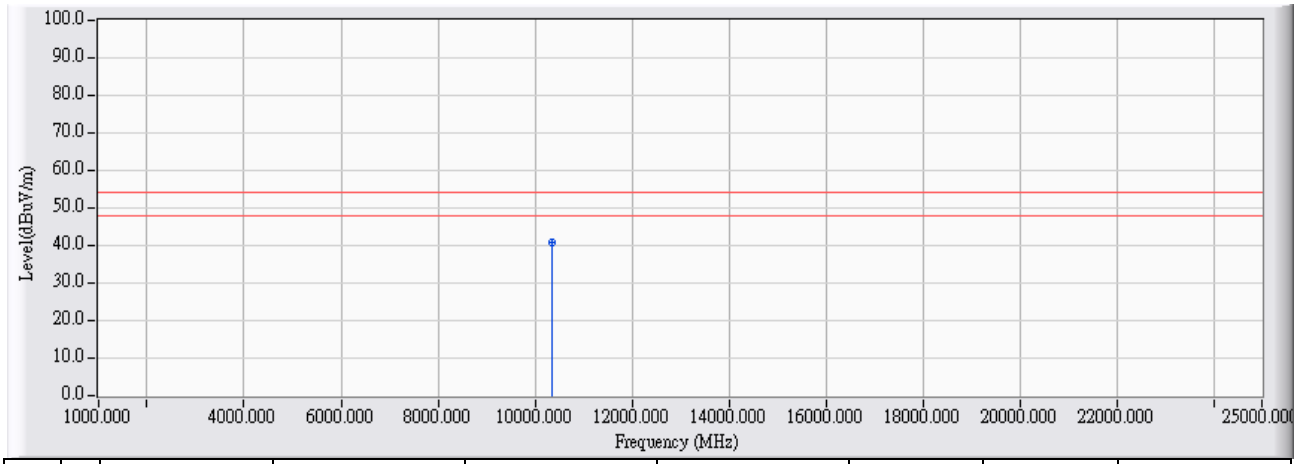


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	8.692	44.495	53.187	-20.813	74.000	PEAK
2		15540.000	11.136	37.579	48.715	-25.285	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 15:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5180 MHz**

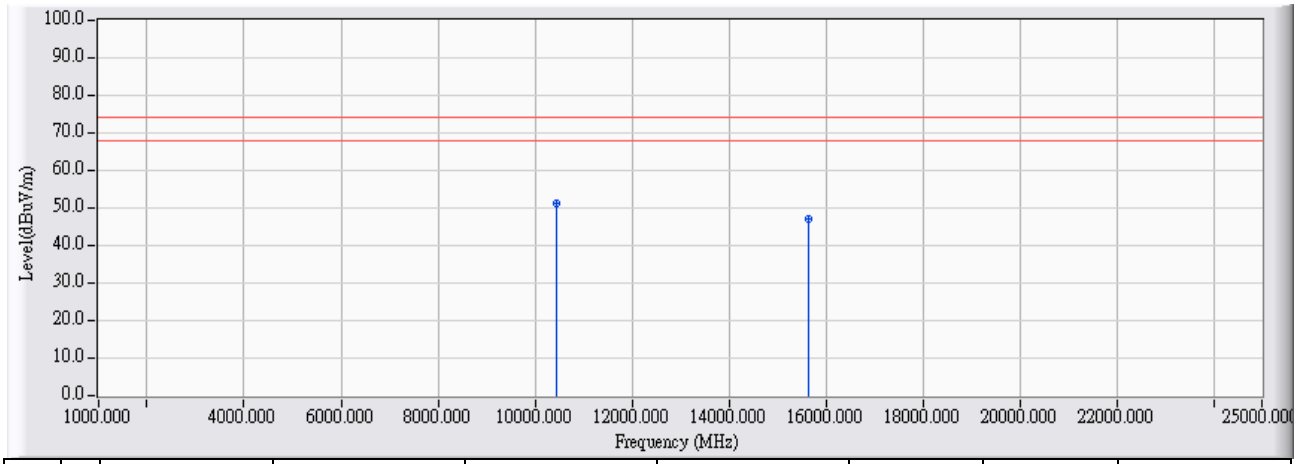


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	8.692	32.143	40.835	-13.165	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:24**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5220 MHz**

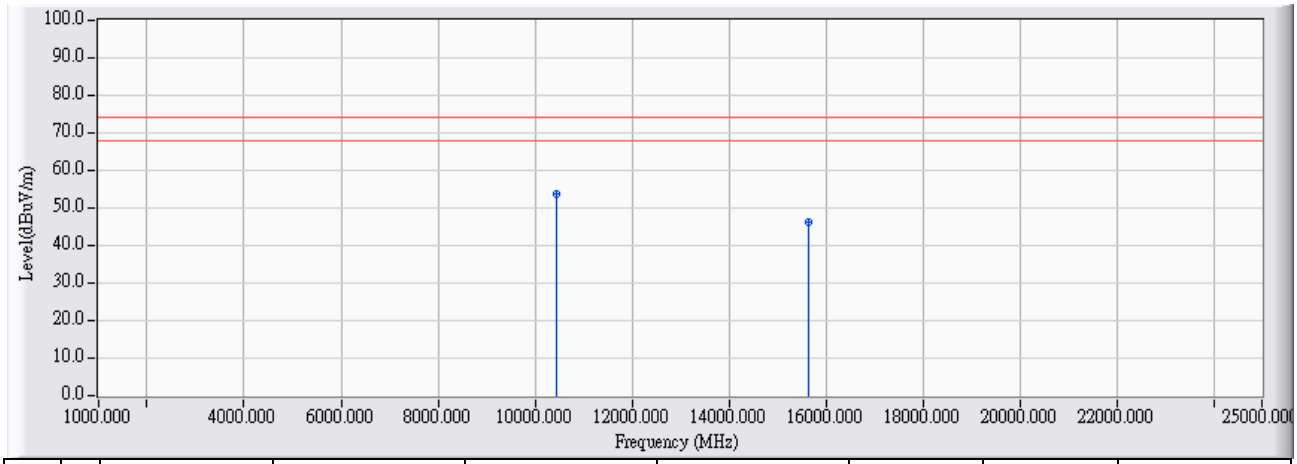


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	42.426	51.246	-22.754	74.000	PEAK
2		15660.000	10.487	36.663	47.150	-26.850	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:23**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5220 MHz**

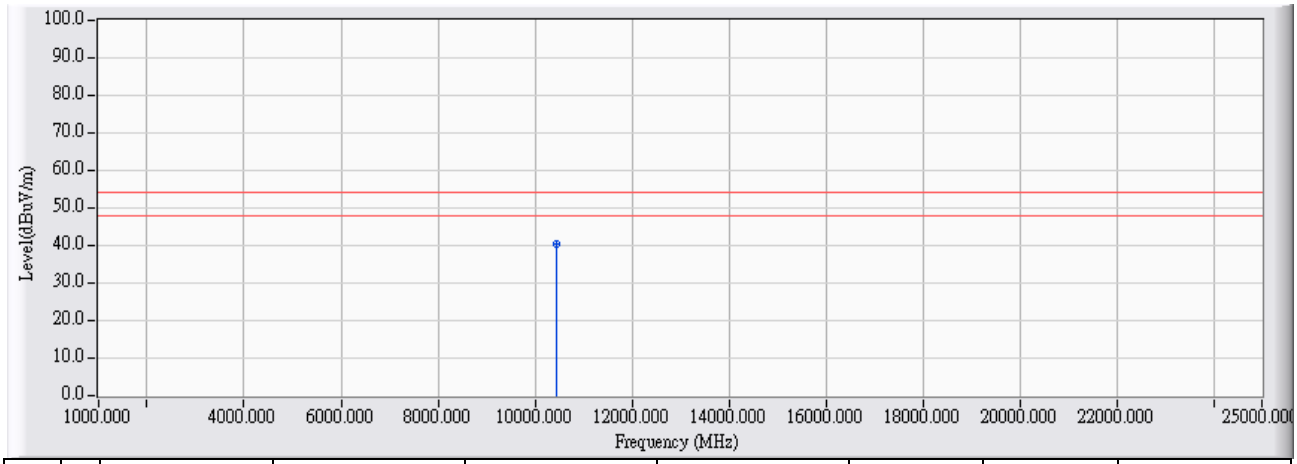


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	44.909	53.729	-20.271	74.000	PEAK
2		15660.000	10.487	35.781	46.268	-27.732	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/27 - 15:46**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5220 MHz**

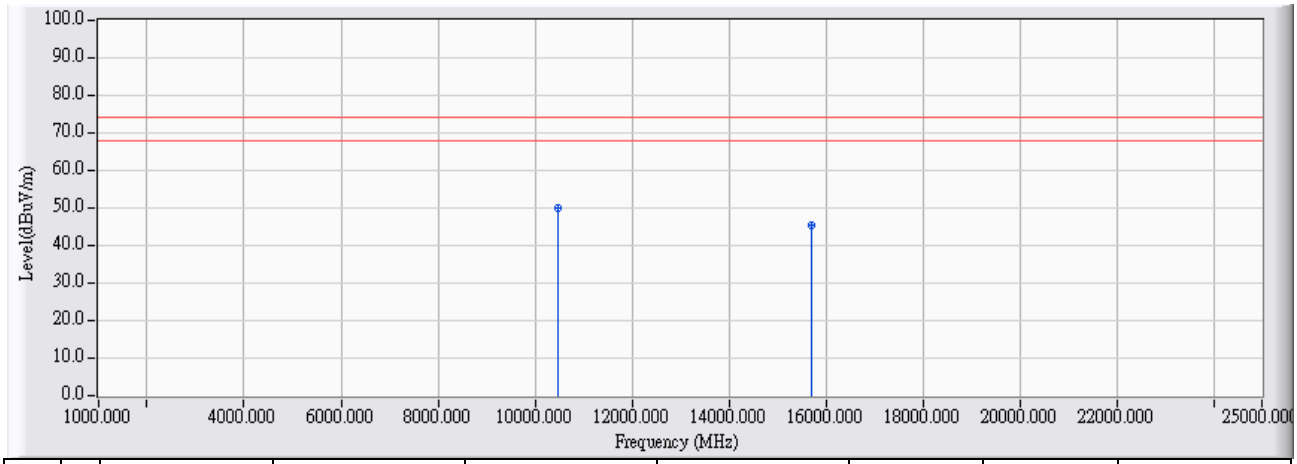


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	31.705	40.525	-13.475	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5240 MHz**

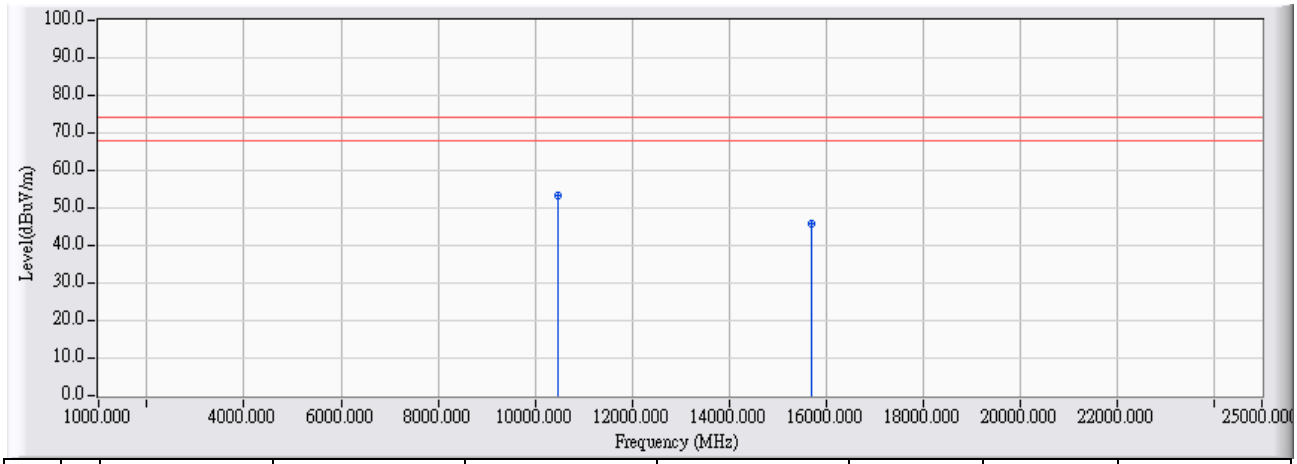


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	8.885	41.303	50.188	-23.812	74.000	PEAK
2		15720.000	10.162	35.064	45.226	-28.774	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5240 MHz**

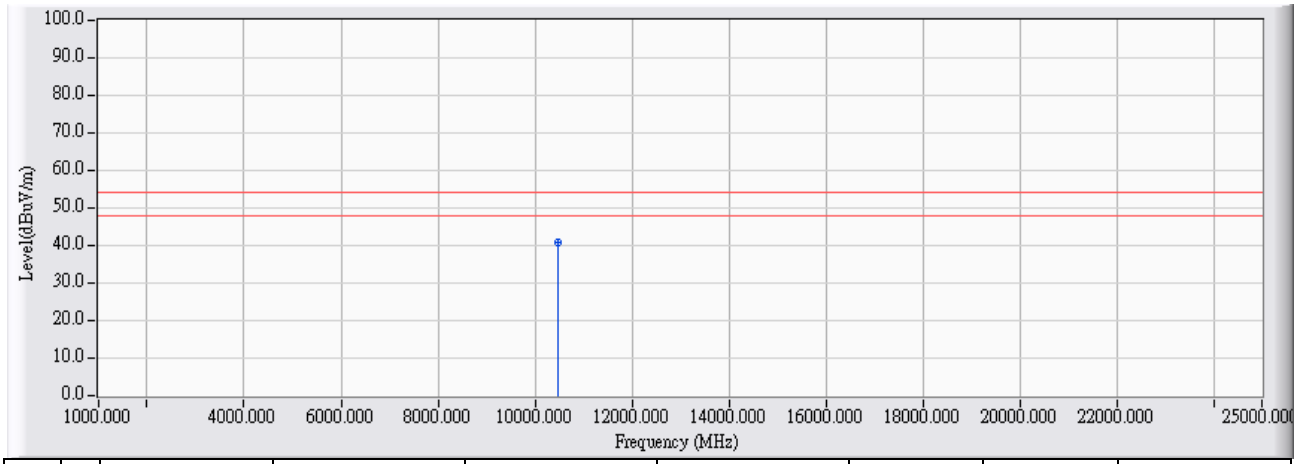


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	8.885	44.438	53.323	-20.677	74.000	PEAK
2		15720.000	10.162	35.749	45.911	-28.089	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 15:45**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5240 MHz**

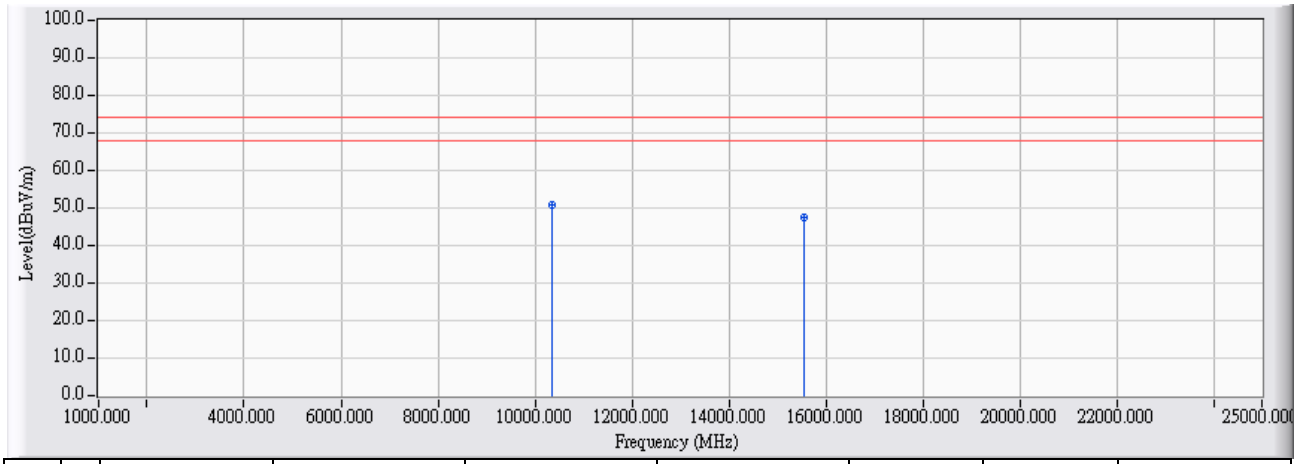


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	8.885	31.986	40.871	-13.129	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180 MHz**

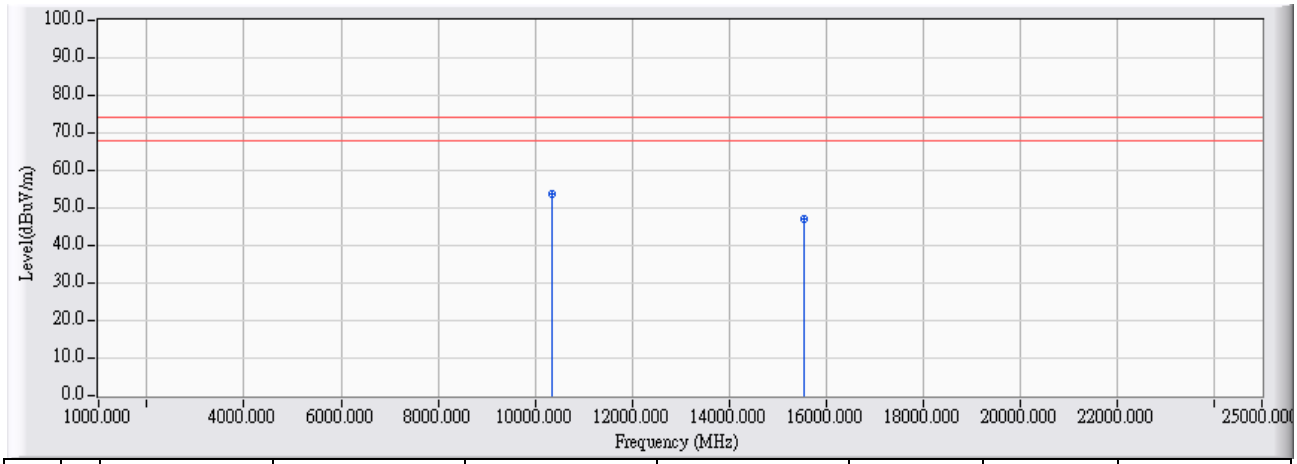


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	8.692	42.228	50.920	-23.080	74.000	PEAK
2		15540.000	11.136	36.395	47.531	-26.469	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:19**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180 MHz**

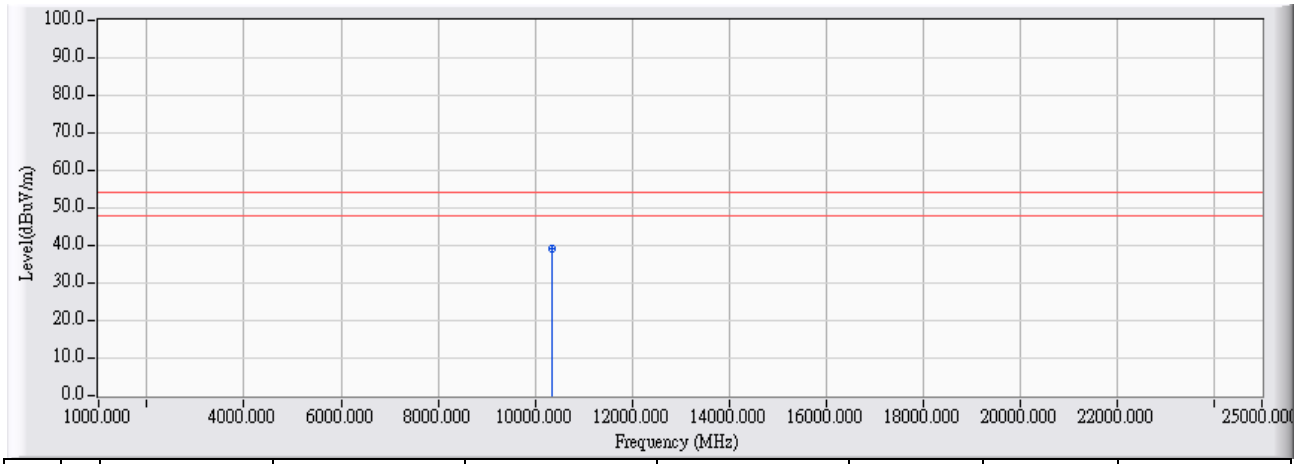


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	8.692	45.196	53.888	-20.112	74.000	PEAK
2		15540.000	11.136	36.050	47.186	-26.814	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 15:43**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180 MHz**

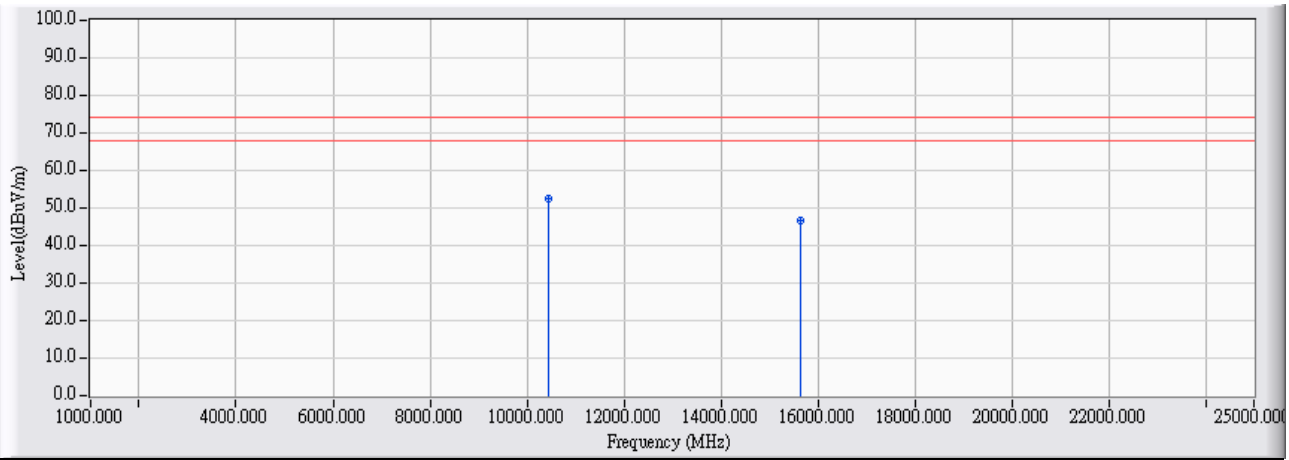


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	8.692	30.603	39.295	-14.705	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/27 - 14:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5220 MHz**

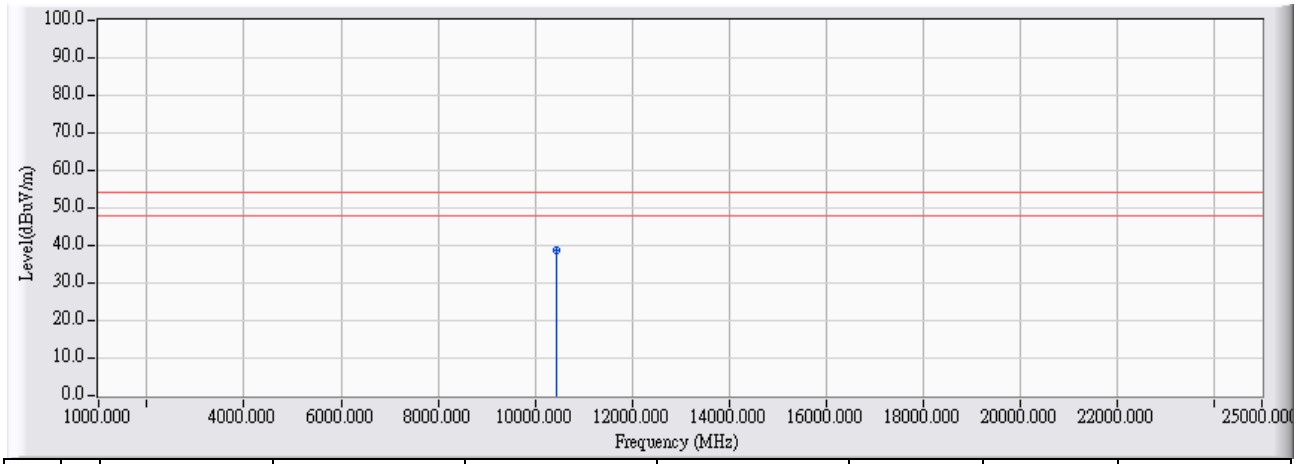


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	43.697	52.517	-21.483	74.000	PEAK
2		15660.000	10.487	36.180	46.667	-27.333	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/27 - 15:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5220 MHz**

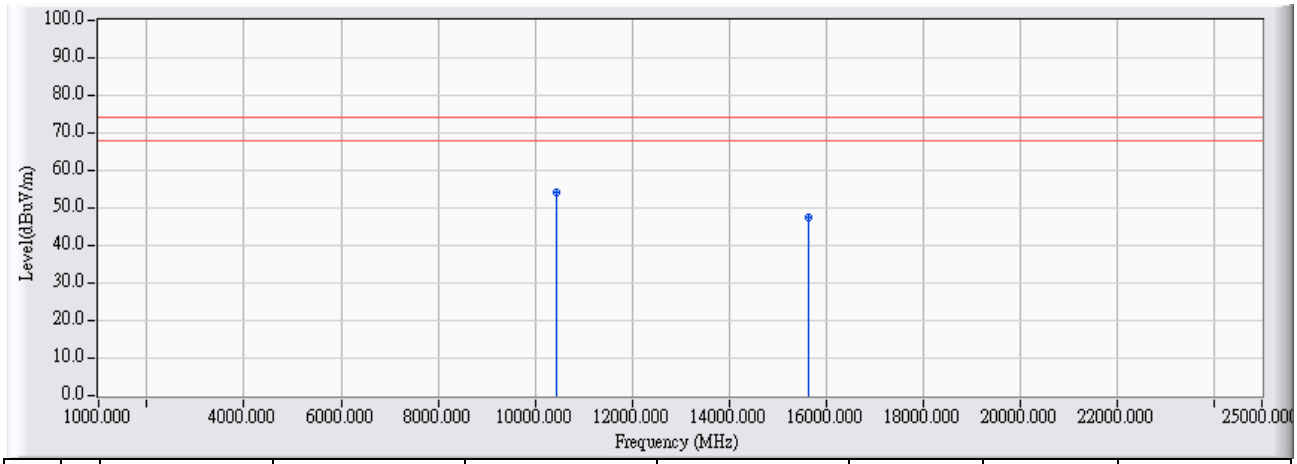


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	30.004	38.824	-15.176	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:05**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5220 MHz**

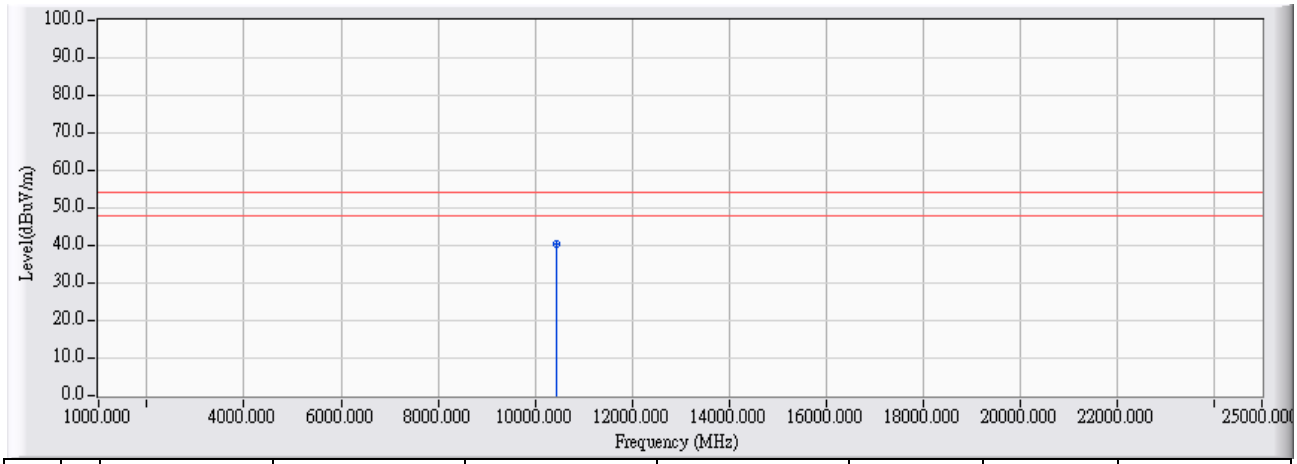


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	45.302	54.122	-19.878	74.000	PEAK
2		15660.000	10.487	36.985	47.472	-26.528	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 15:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5220 MHz**

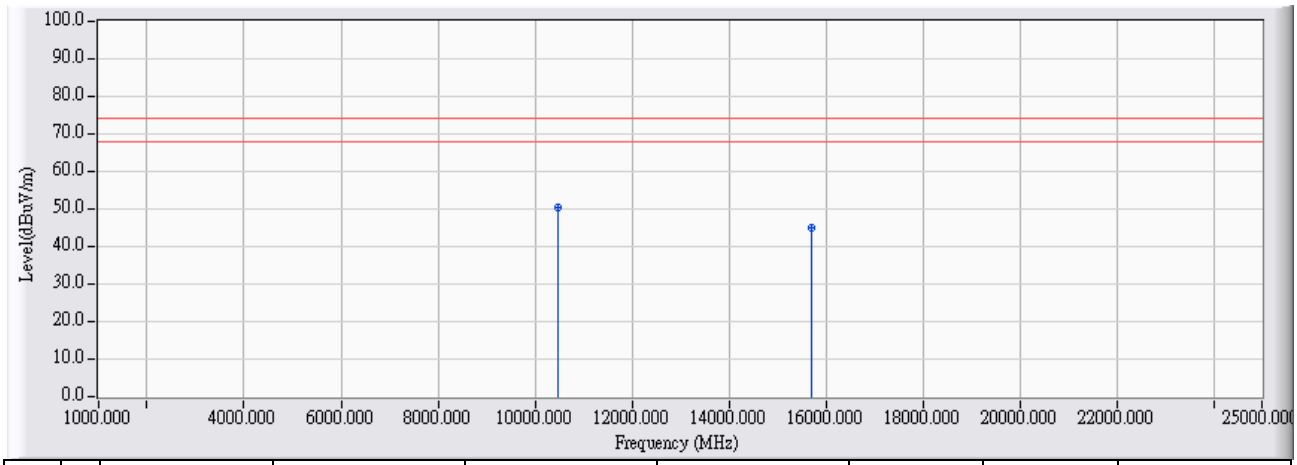


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	8.820	31.528	40.348	-13.652	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5240 MHz**

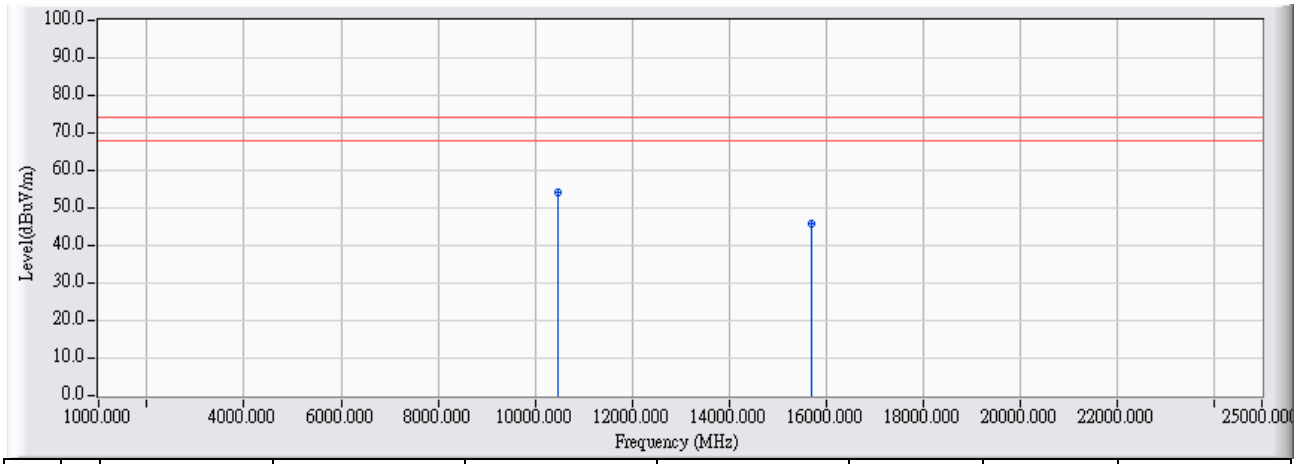


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	8.885	41.545	50.430	-23.570	74.000	PEAK
2		15720.000	10.162	35.003	45.165	-28.835	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:19**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5240 MHz**

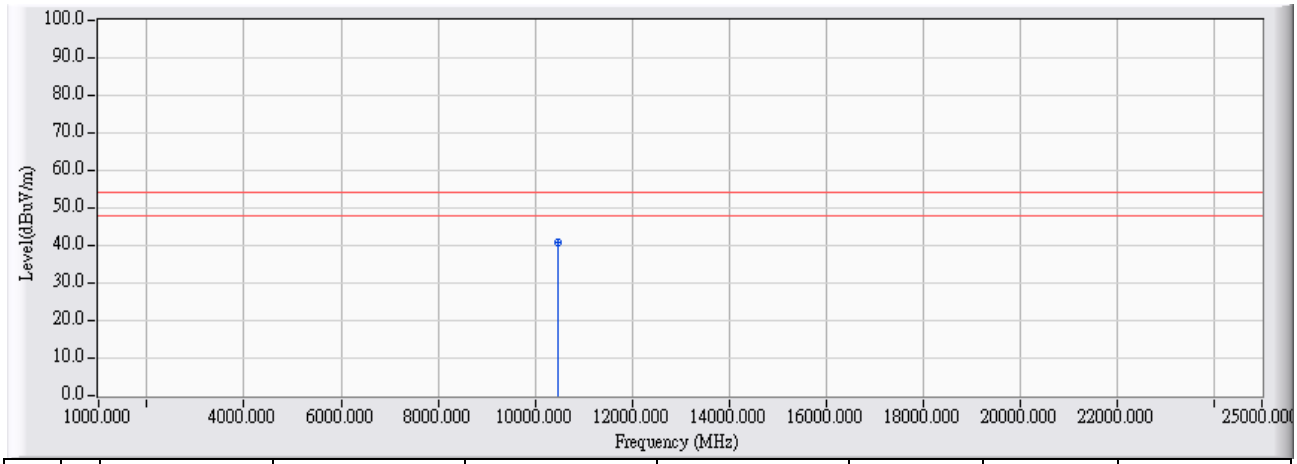


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	8.885	45.328	54.213	-19.787	74.000	PEAK
2		15720.000	10.162	35.619	45.781	-28.219	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 15:41**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5240 MHz**

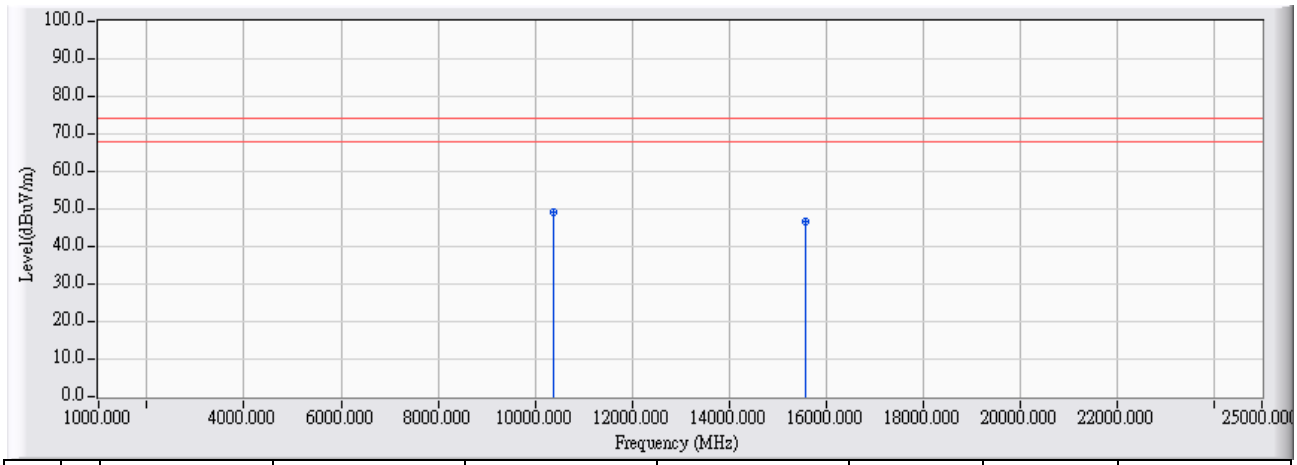


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	8.885	32.126	41.011	-12.989	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190 MHz**

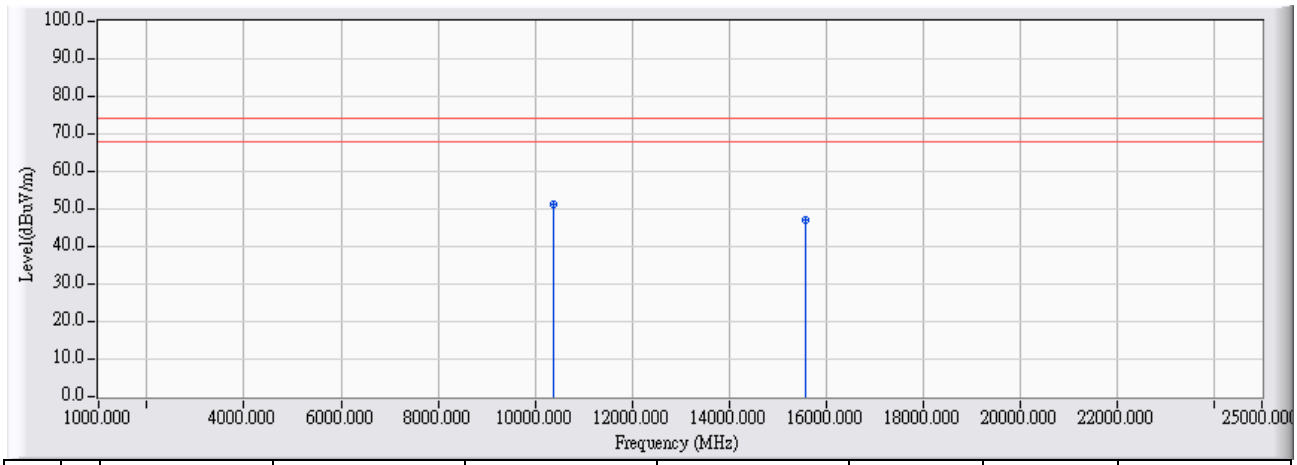


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.000	8.724	40.304	49.028	-24.972	74.000	PEAK
2		15570.000	10.974	35.722	46.696	-27.304	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190 MHz**

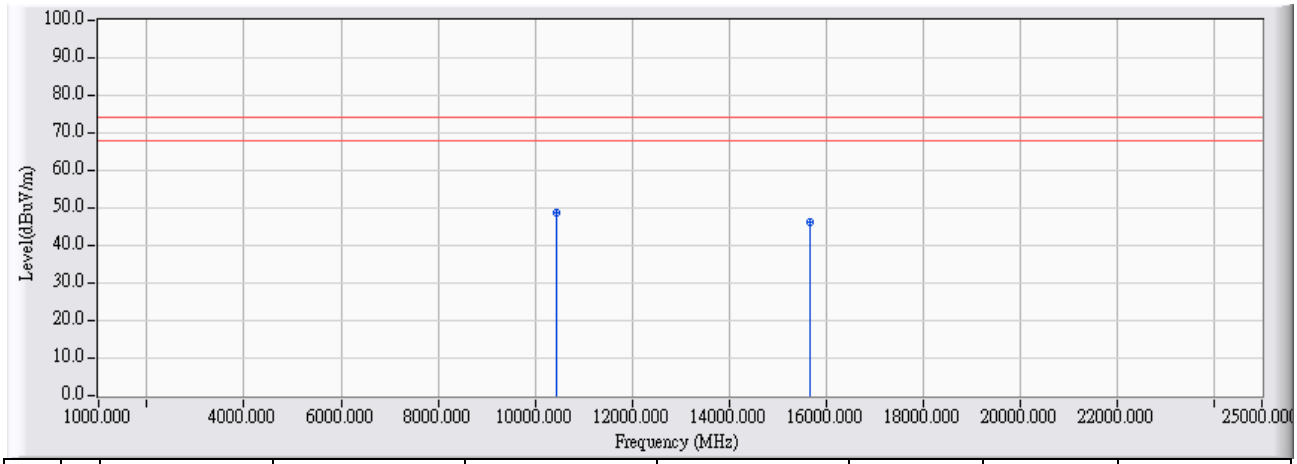


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.000	8.724	42.614	51.338	-22.662	74.000	PEAK
2		15570.000	10.974	36.159	47.133	-26.867	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:25**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5230 MHz**

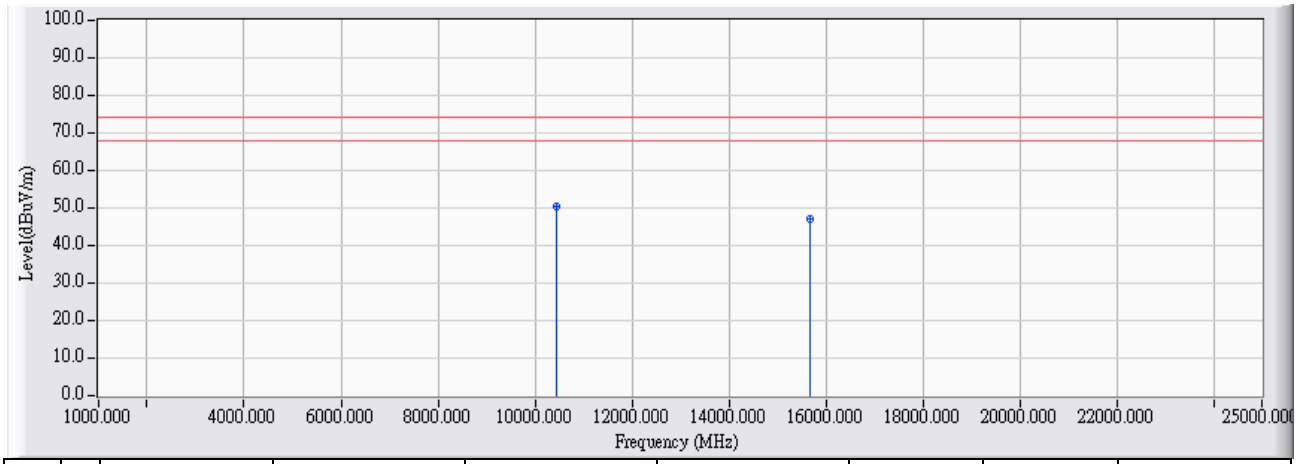


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.000	8.853	39.788	48.641	-25.359	74.000	PEAK
2		15690.000	10.325	36.094	46.419	-27.581	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5230 MHz**

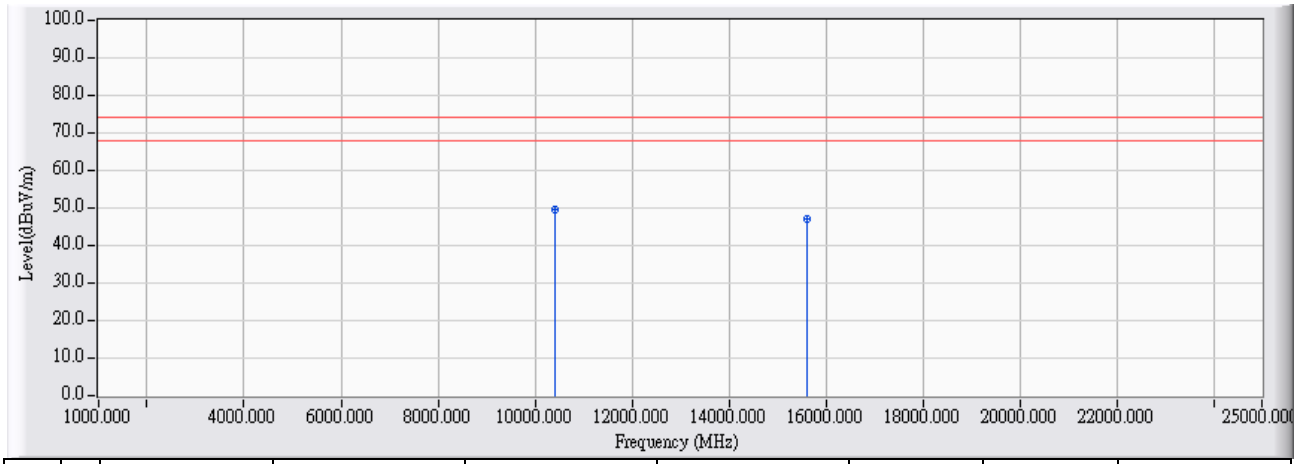


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.000	8.853	41.604	50.457	-23.543	74.000	PEAK
2		15690.000	10.325	36.856	47.181	-26.819	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M) 5210 MHz**

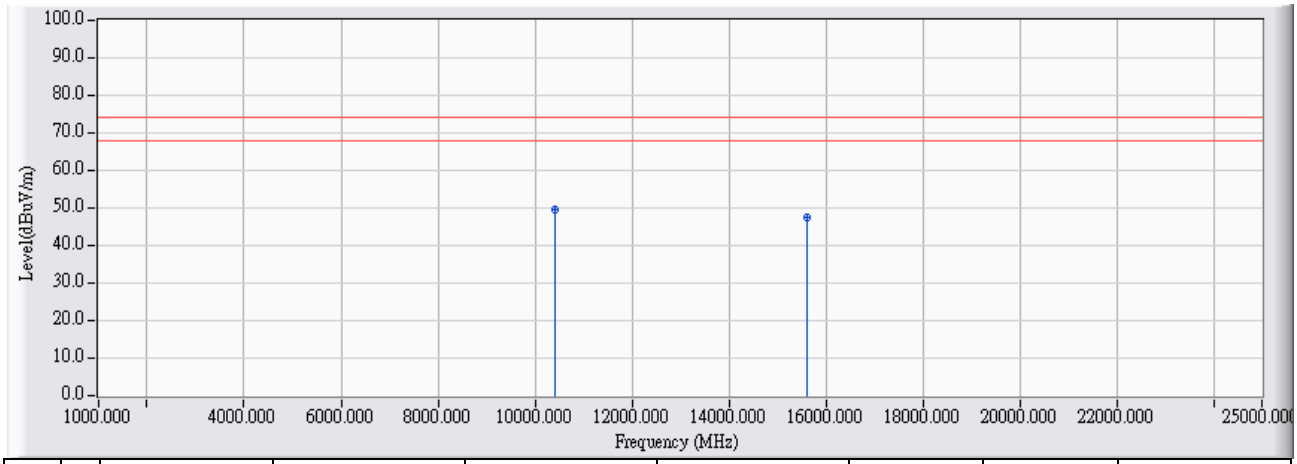


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10420.000	8.788	40.697	49.485	-24.515	74.000	PEAK
2		15630.000	10.649	36.556	47.205	-26.795	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/27 - 14:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M) 5210 MHz**

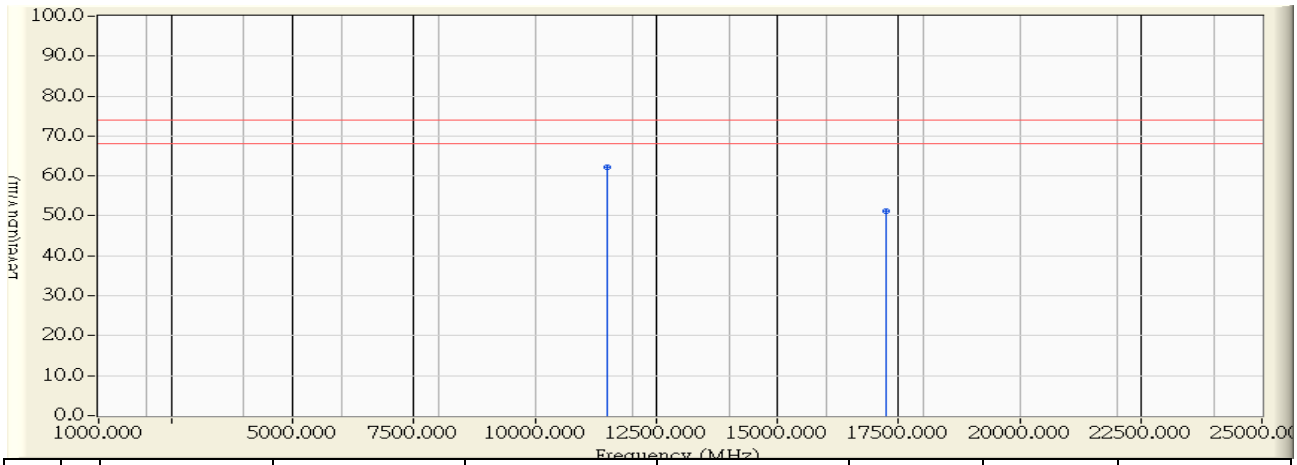


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10420.000	8.788	40.761	49.549	-24.451	74.000	PEAK
2		15630.000	10.649	36.758	47.407	-26.593	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

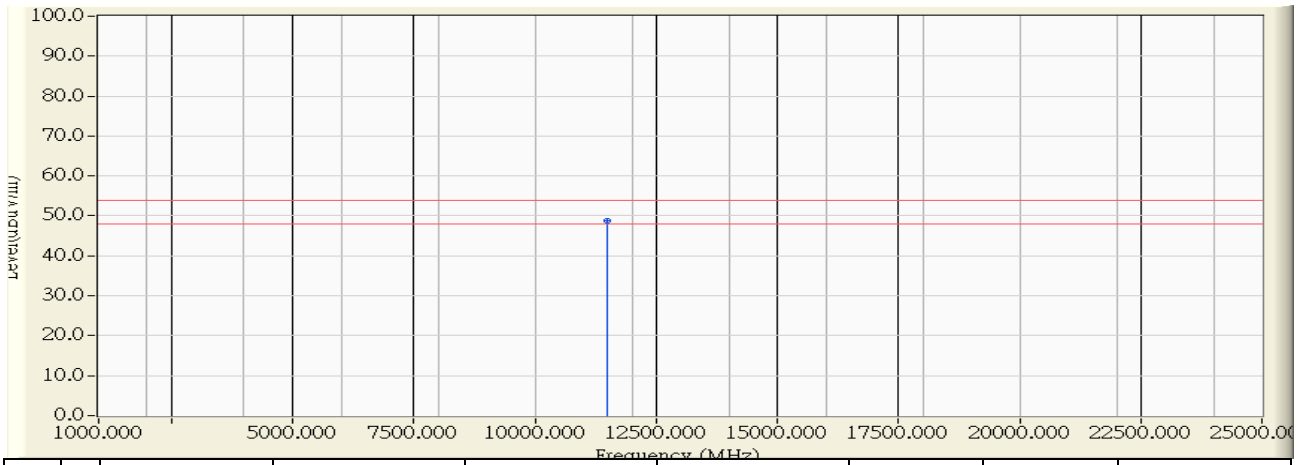


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	50.670	62.183	-11.817	74.000	PEAK
2		17235.000	15.579	35.580	51.159	-22.841	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

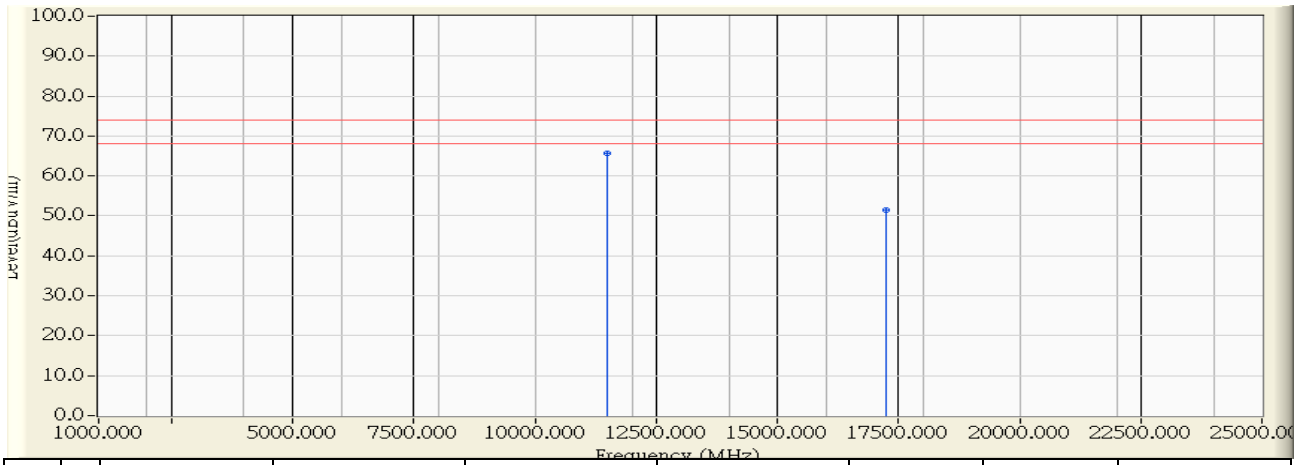


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	37.330	48.843	-5.157	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:34**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

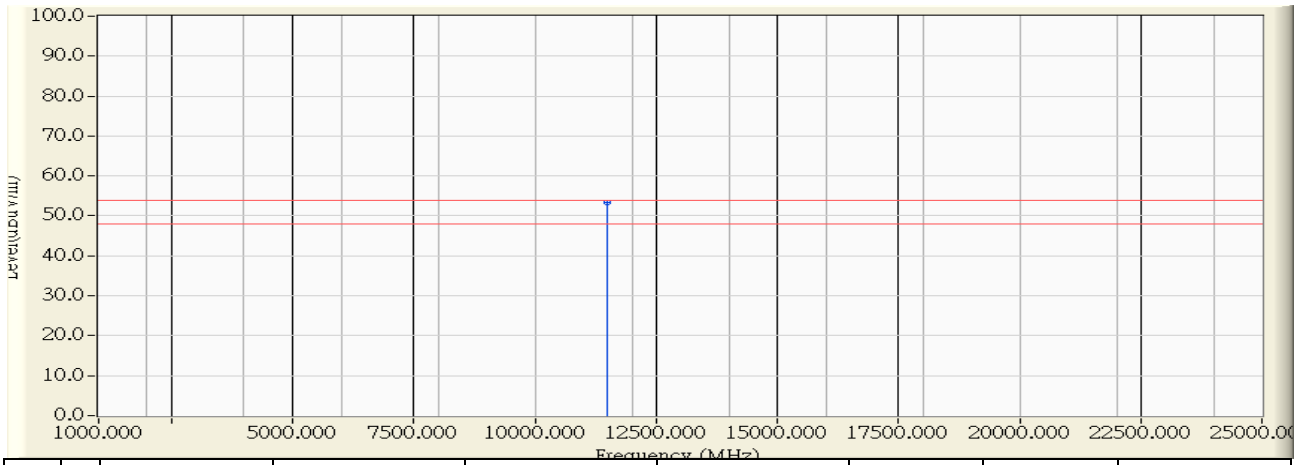


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	54.120	65.633	-8.367	74.000	PEAK
2		17235.000	15.579	35.910	51.489	-22.511	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:33**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

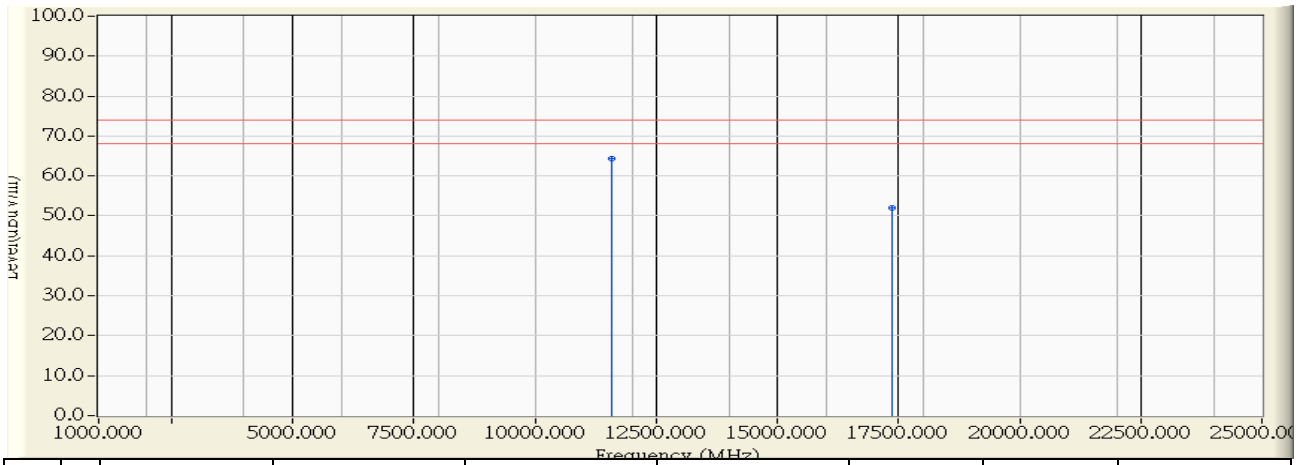


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	41.890	53.403	-0.597	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5785MHz**

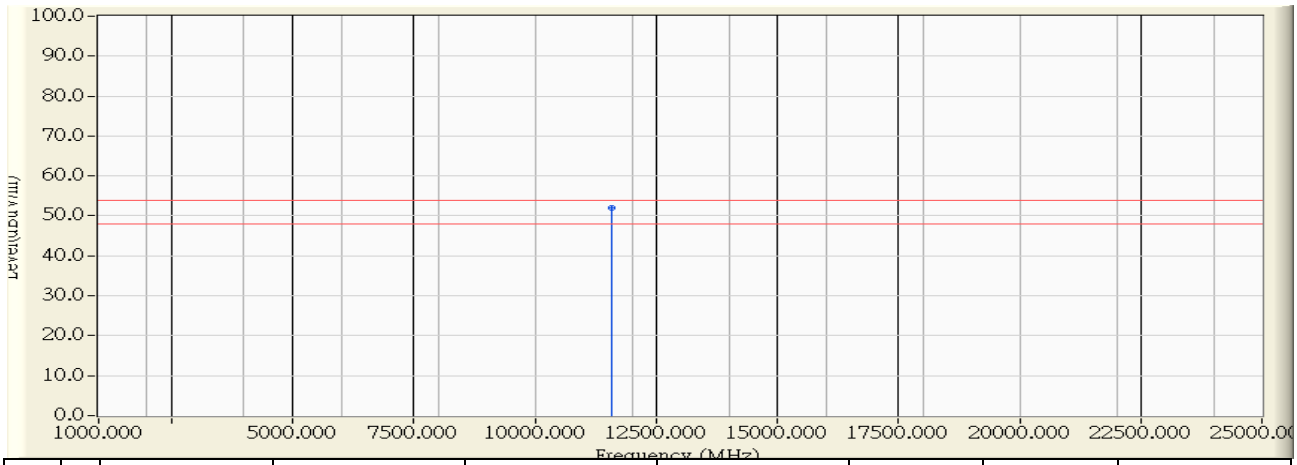


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	53.010	64.461	-9.539	74.000	PEAK
2		17355.000	16.131	35.990	52.120	-21.880	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:02**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5785MHz**

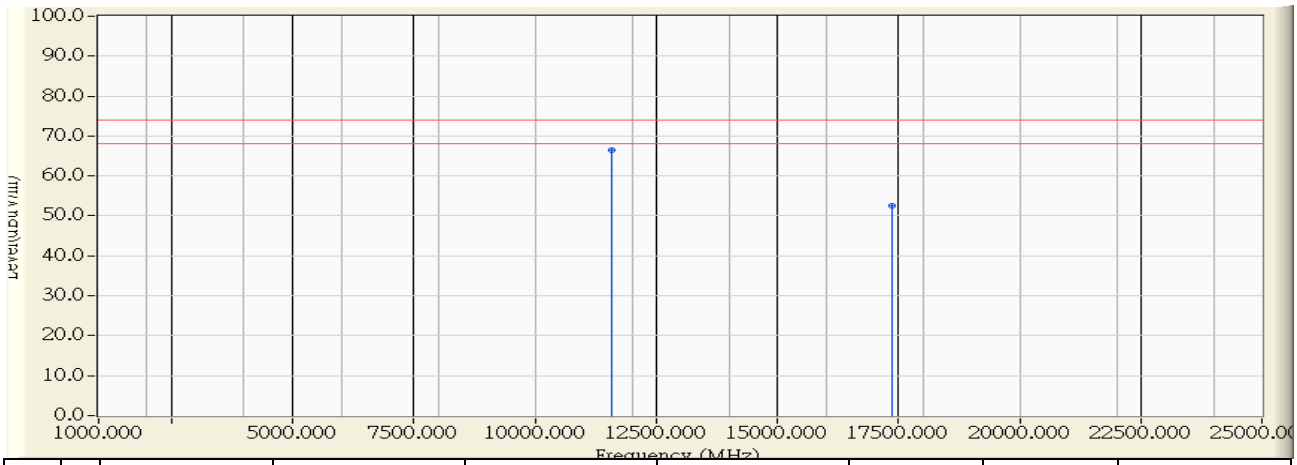


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	40.510	51.961	-2.039	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/20 - 13:50**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5785MHz**

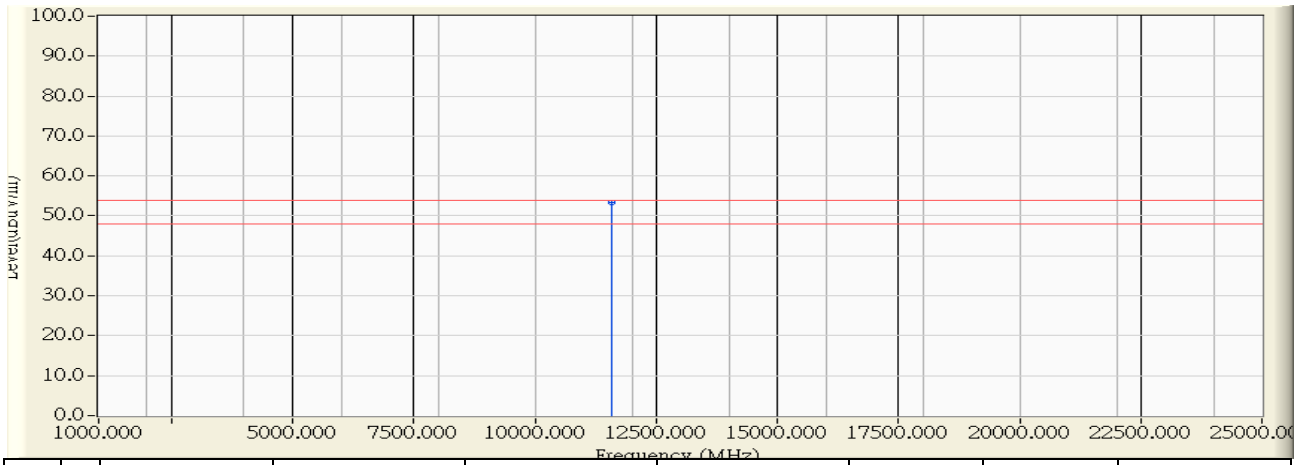


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	55.150	66.601	-7.399	74.000	PEAK
2		17355.000	16.131	36.540	52.670	-21.330	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a 5785MHz**

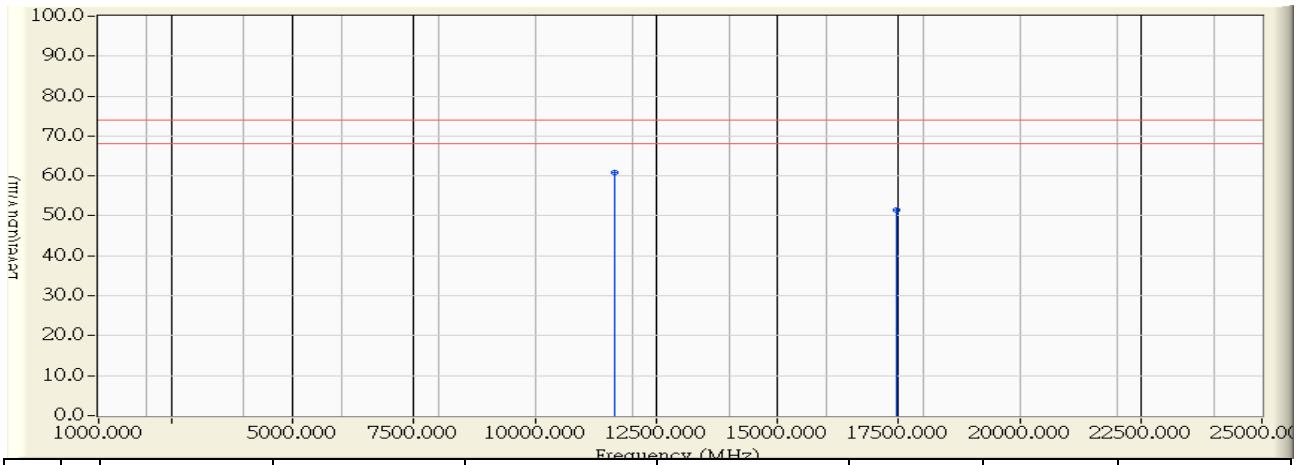


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	42.020	53.471	-0.529	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:14**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

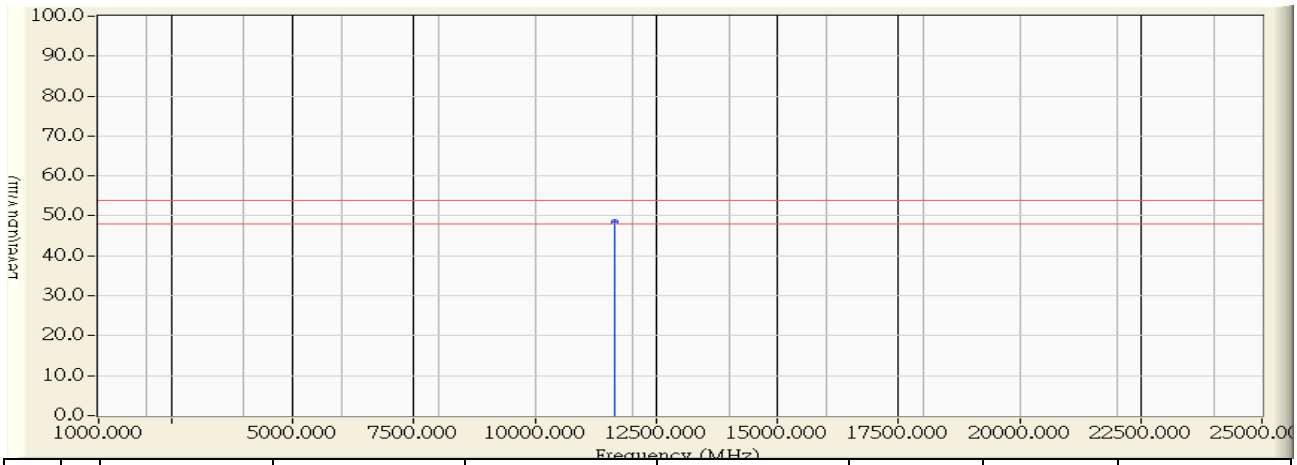


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	49.500	60.888	-13.112	74.000	PEAK
2		17475.000	16.750	34.780	51.530	-22.470	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

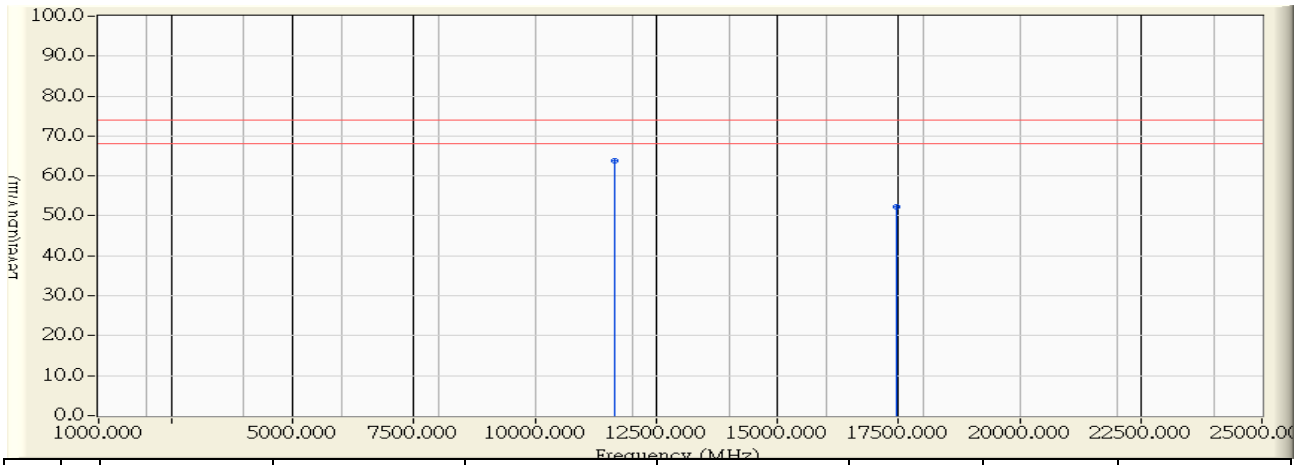


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	37.110	48.498	-5.502	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

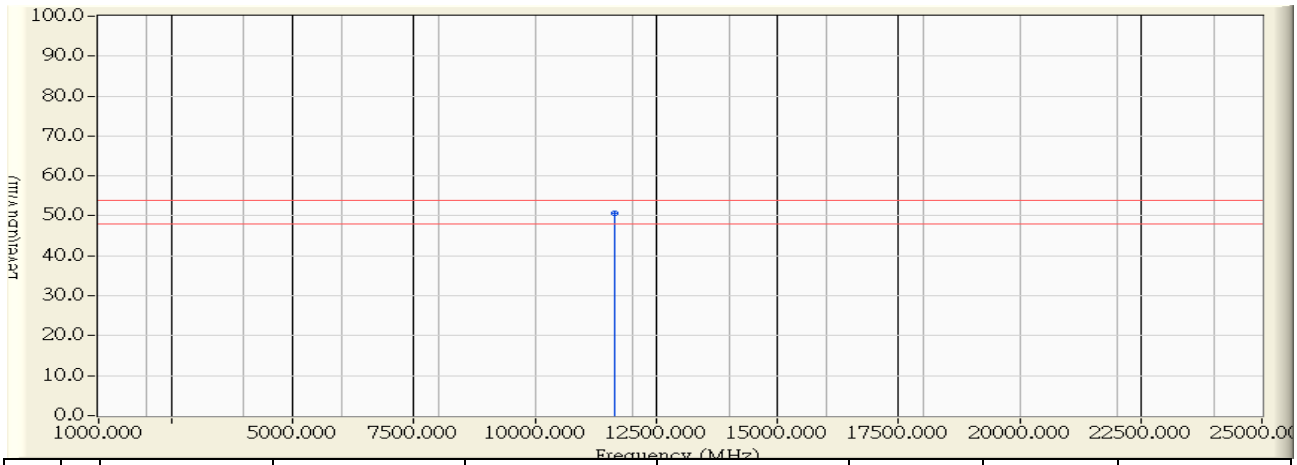


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	52.460	63.848	-10.152	74.000	PEAK
2		17475.000	16.750	35.560	52.310	-21.690	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/20 - 15:09**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

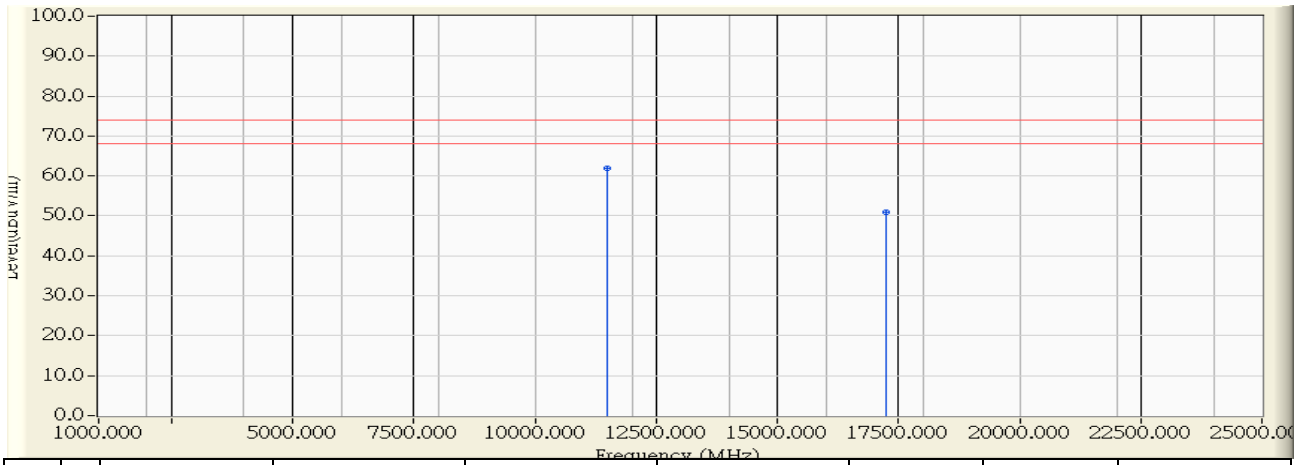


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	39.320	50.708	-3.292	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:27**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

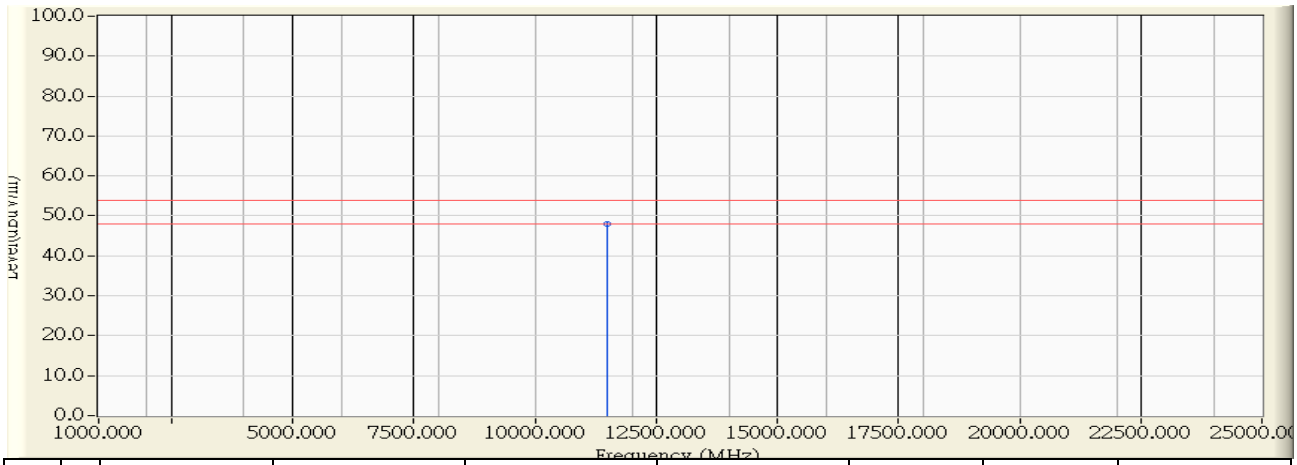


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	50.500	62.013	-11.987	74.000	PEAK
2		17235.000	15.579	35.490	51.069	-22.931	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:26**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

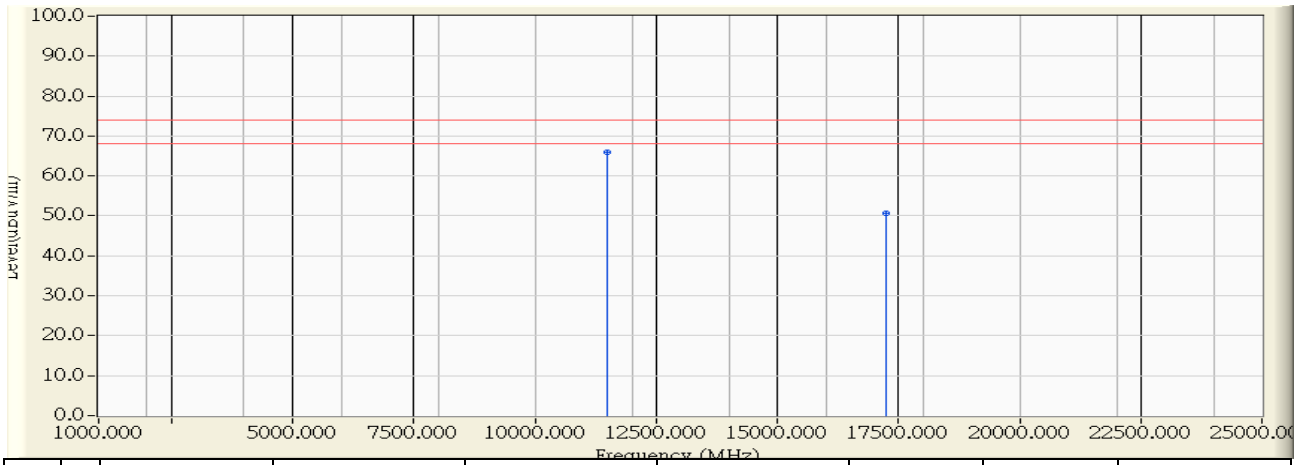


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	36.590	48.103	-5.897	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

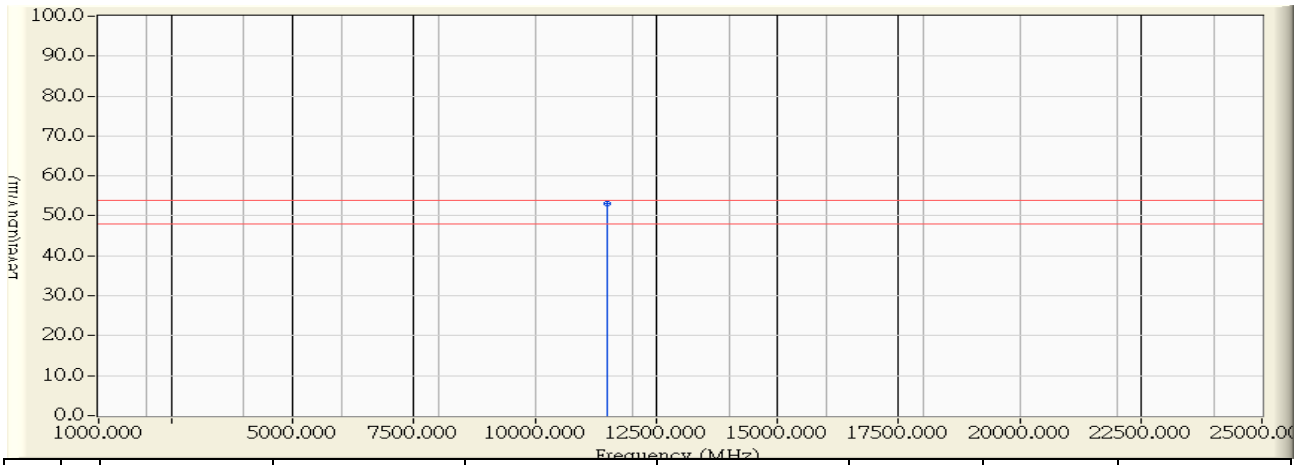


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	54.350	65.863	-8.137	74.000	PEAK
2		17235.000	15.579	35.090	50.669	-23.331	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/20 - 15:30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

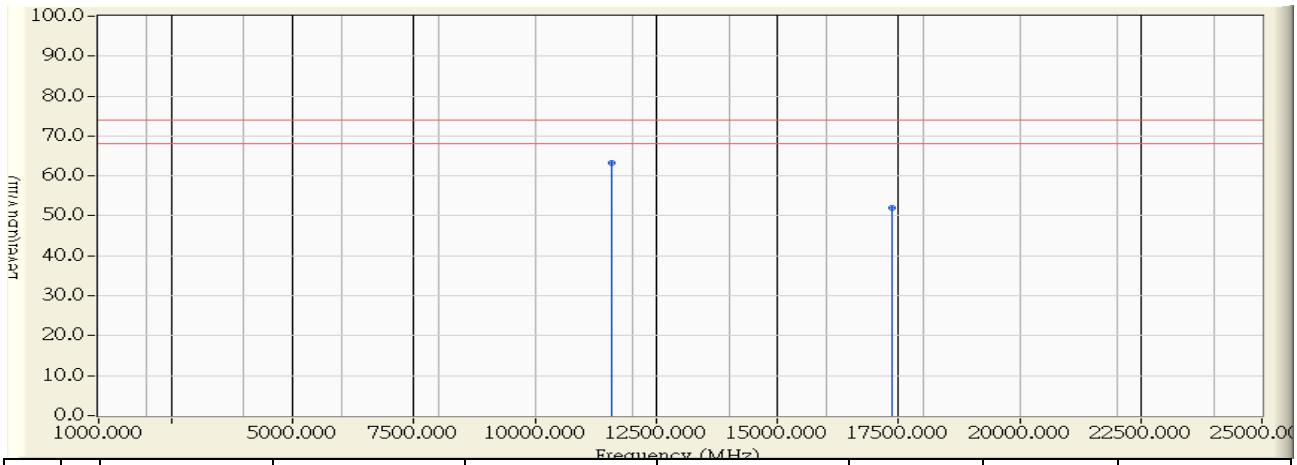


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	11.512	41.480	52.993	-1.007	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:49**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

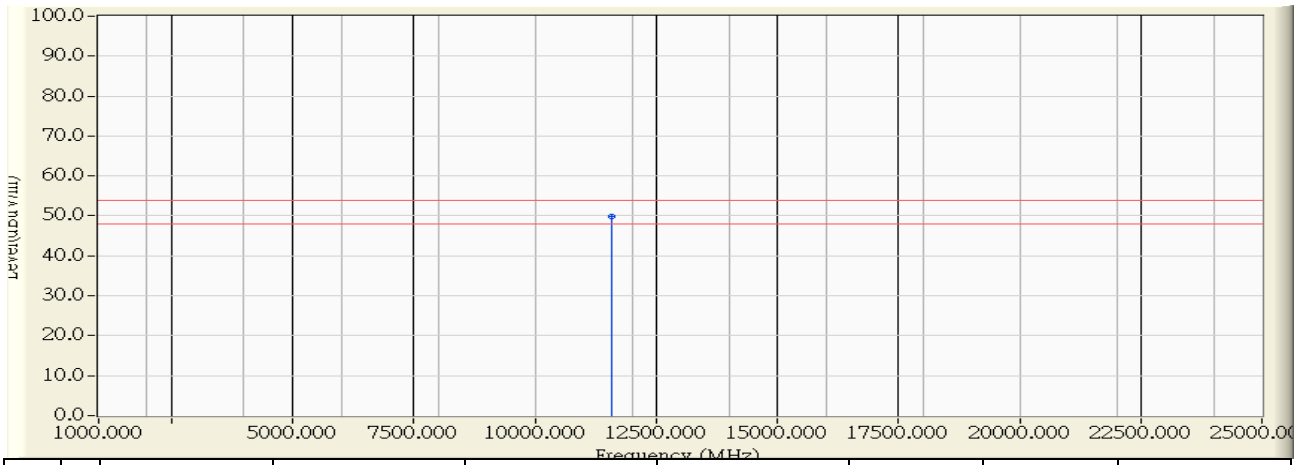


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	51.940	63.391	-10.609	74.000	PEAK
2		17355.000	16.131	35.850	51.980	-22.020	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:47**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

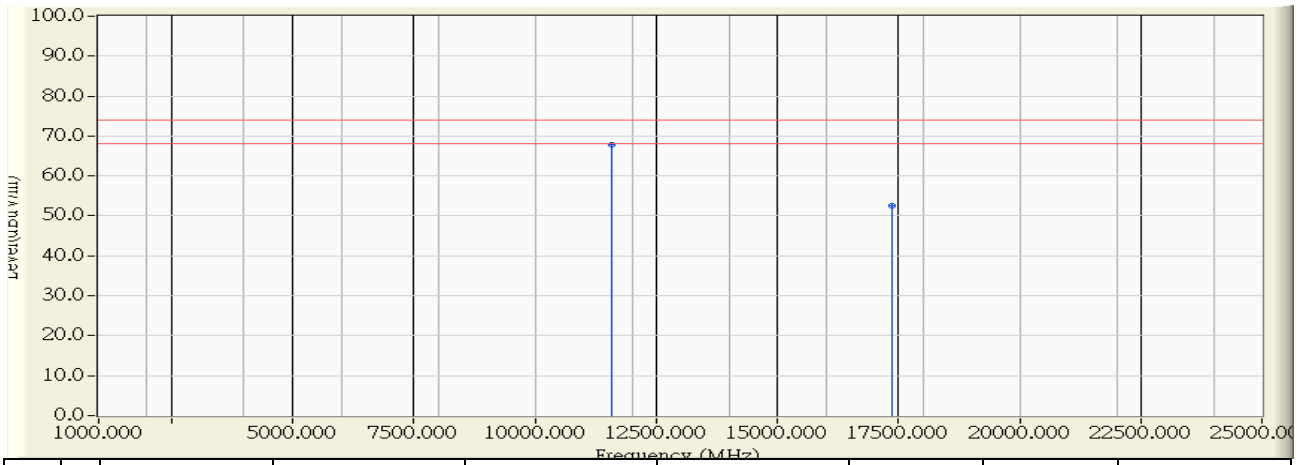


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	38.390	49.841	-4.159	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

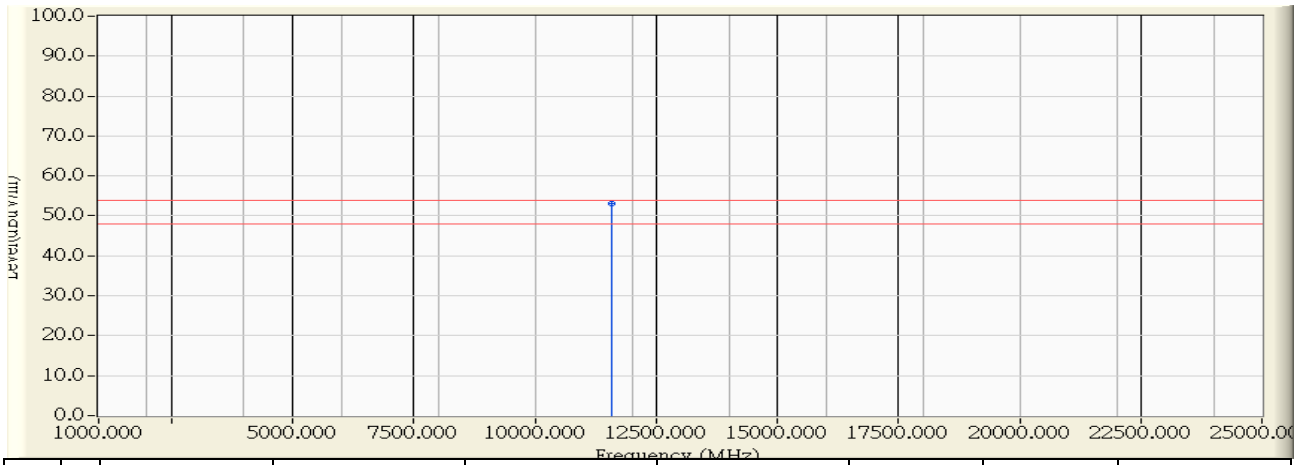


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	56.450	67.901	-6.099	74.000	PEAK
2		17355.000	16.131	36.390	52.520	-21.480	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

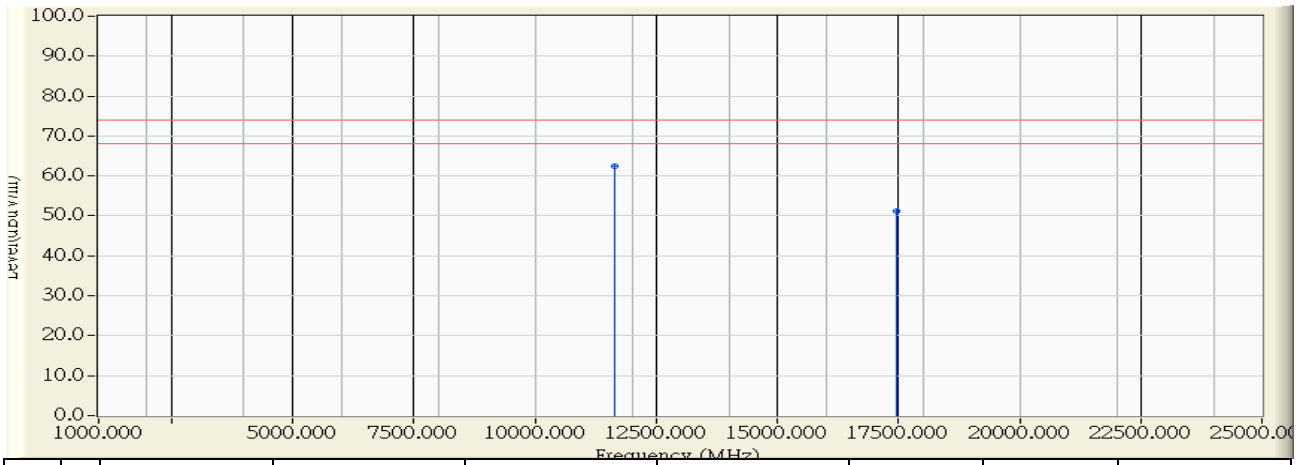


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	11.450	41.630	53.081	-0.919	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:58**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

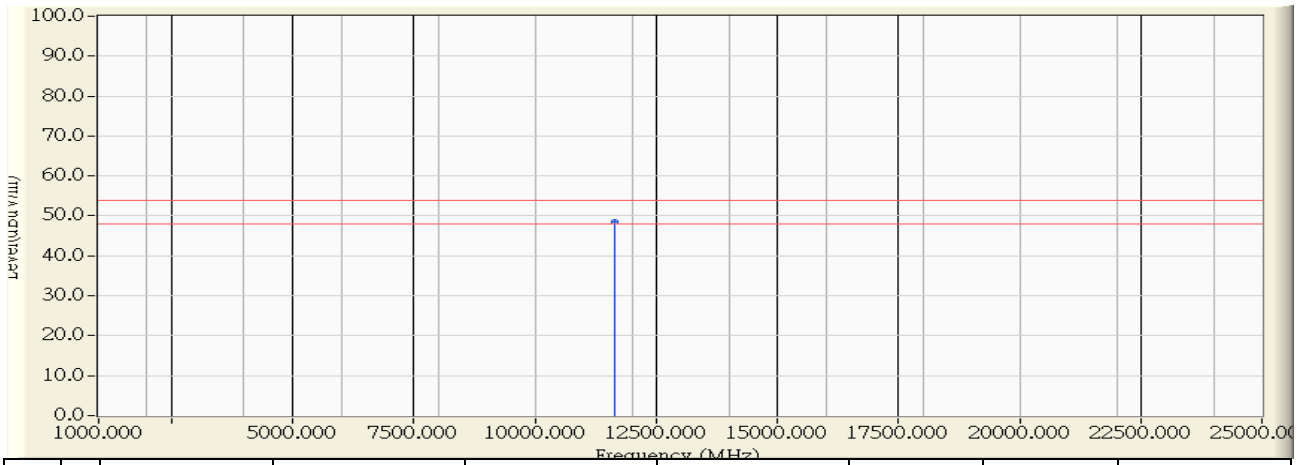


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	51.000	62.388	-11.612	74.000	PEAK
2		17475.000	16.750	34.480	51.230	-22.770	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 14:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

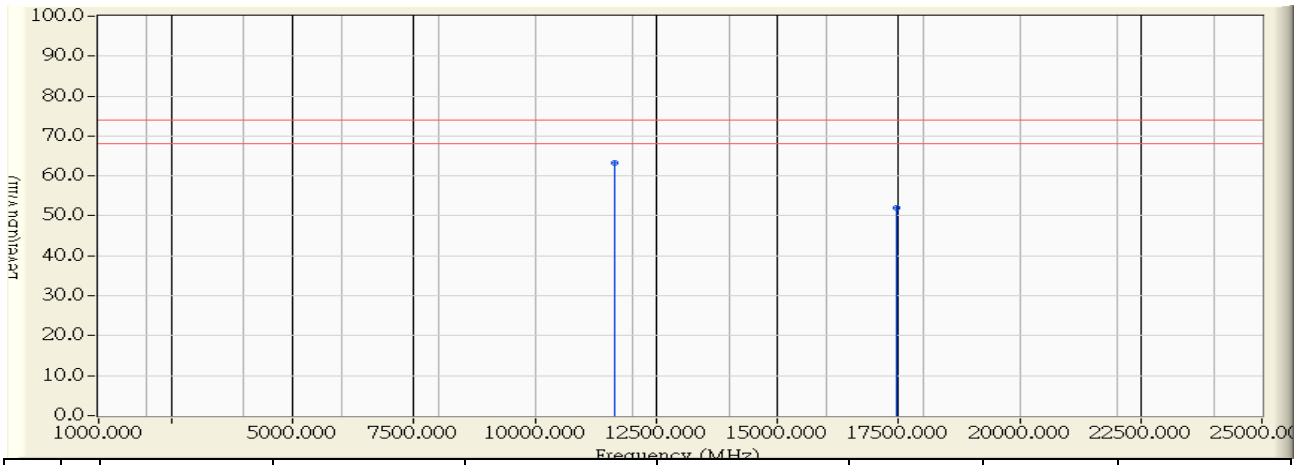


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	37.190	48.578	-5.422	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:04**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

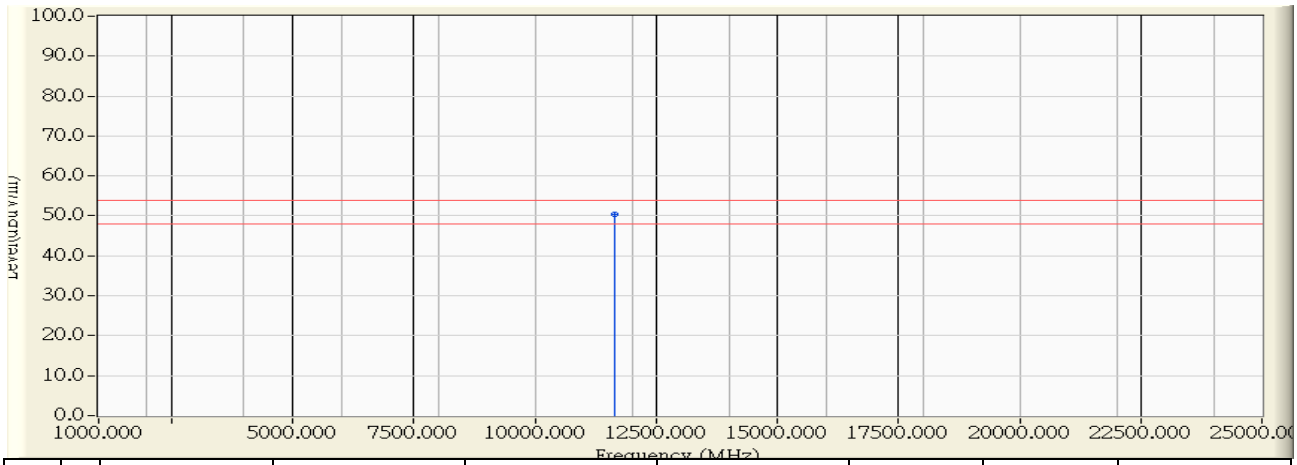


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	51.810	63.198	-10.802	74.000	PEAK
2		17475.000	16.750	35.290	52.040	-21.960	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:02**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

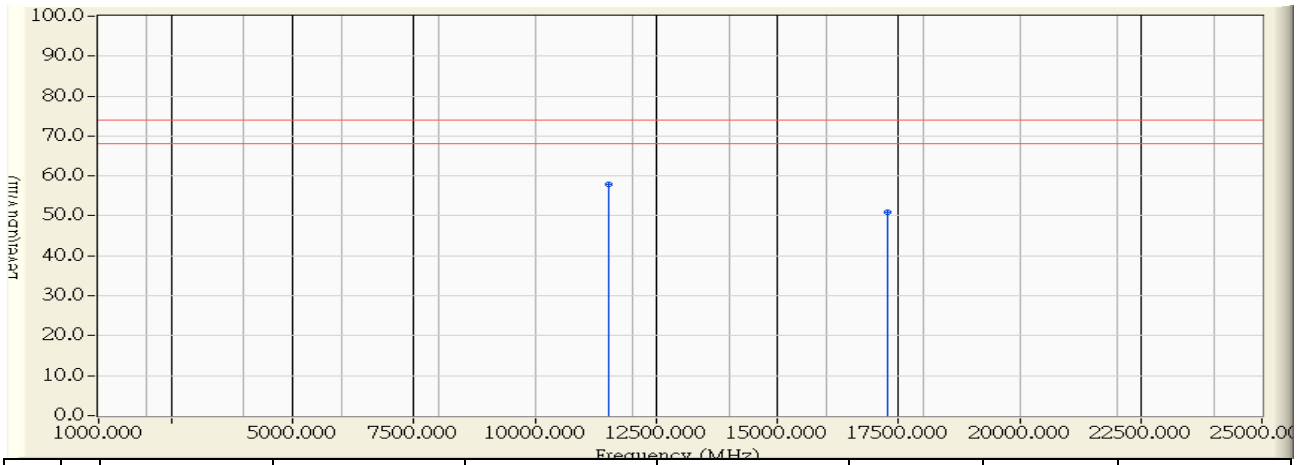


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	11.388	39.000	50.388	-3.612	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 16:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

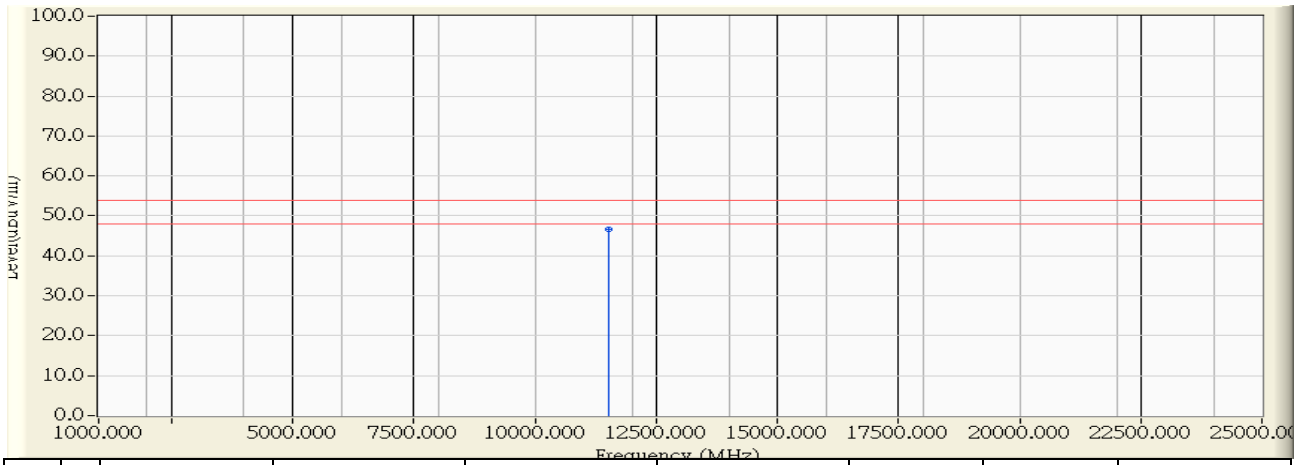


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	11.497	46.450	57.947	-16.053	74.000	PEAK
2		17265.000	15.717	35.260	50.976	-23.024	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:47**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

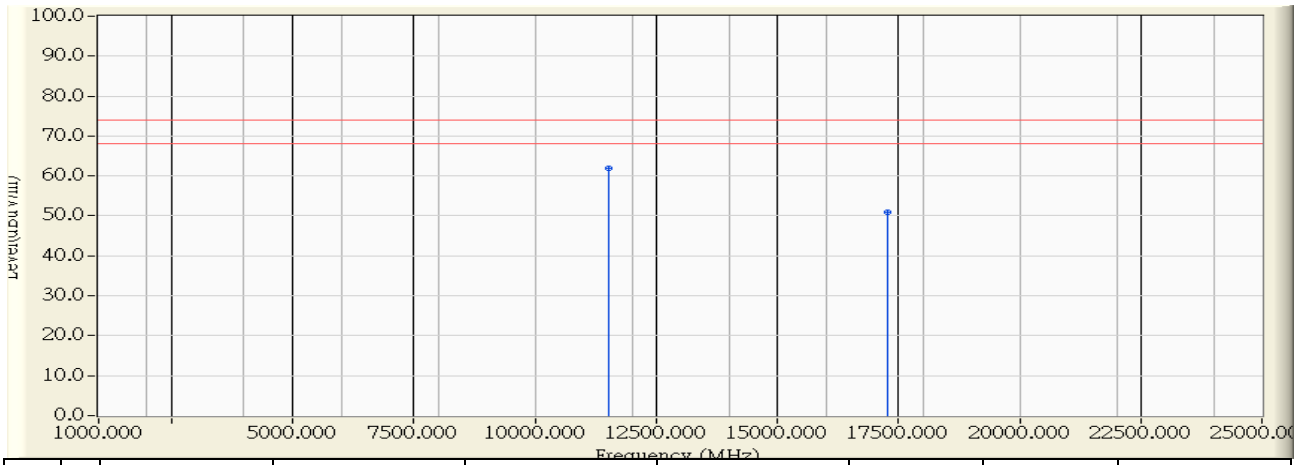


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	11.497	35.160	46.657	-7.343	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:42**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

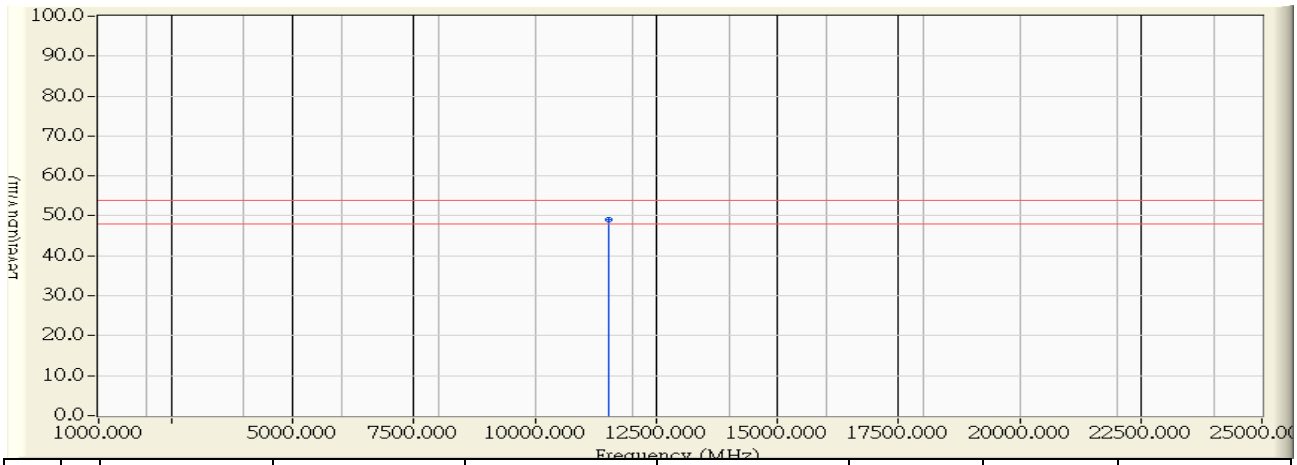


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	11.497	50.550	62.047	-11.953	74.000	PEAK
2		17265.000	15.717	35.250	50.966	-23.034	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 15:44**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

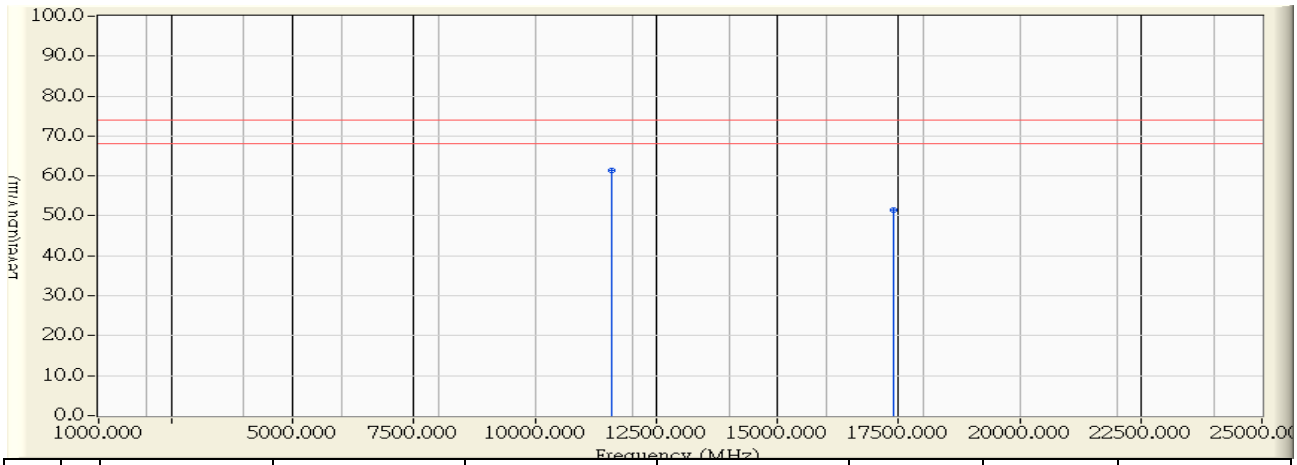


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	11.497	37.670	49.167	-4.833	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.n.

Site : CB1	**Time : 2014/10/20 - 16:11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

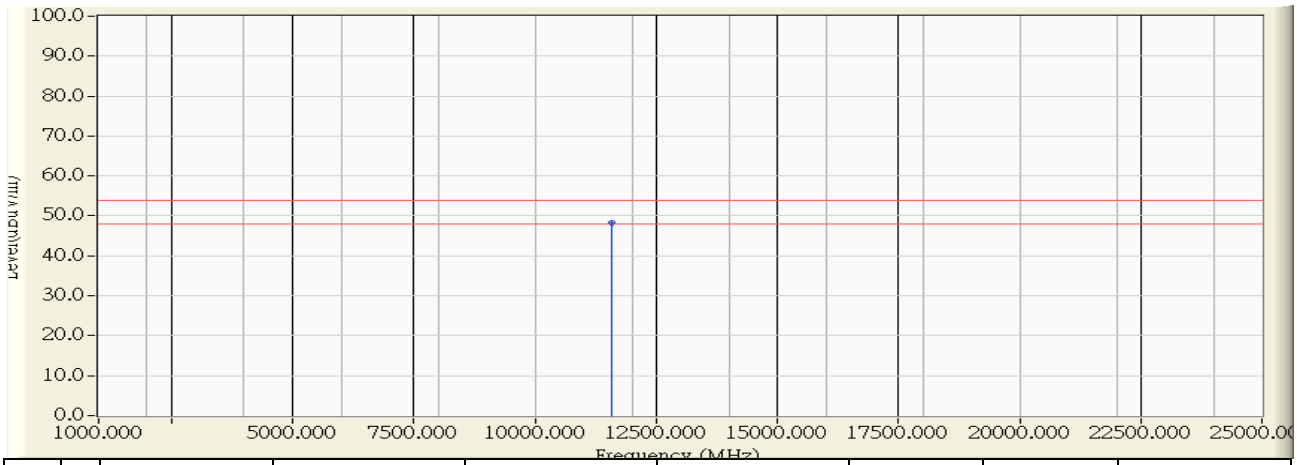


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	11.435	50.020	61.455	-12.545	74.000	PEAK
2		17385.000	16.269	35.180	51.448	-22.552	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 16:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

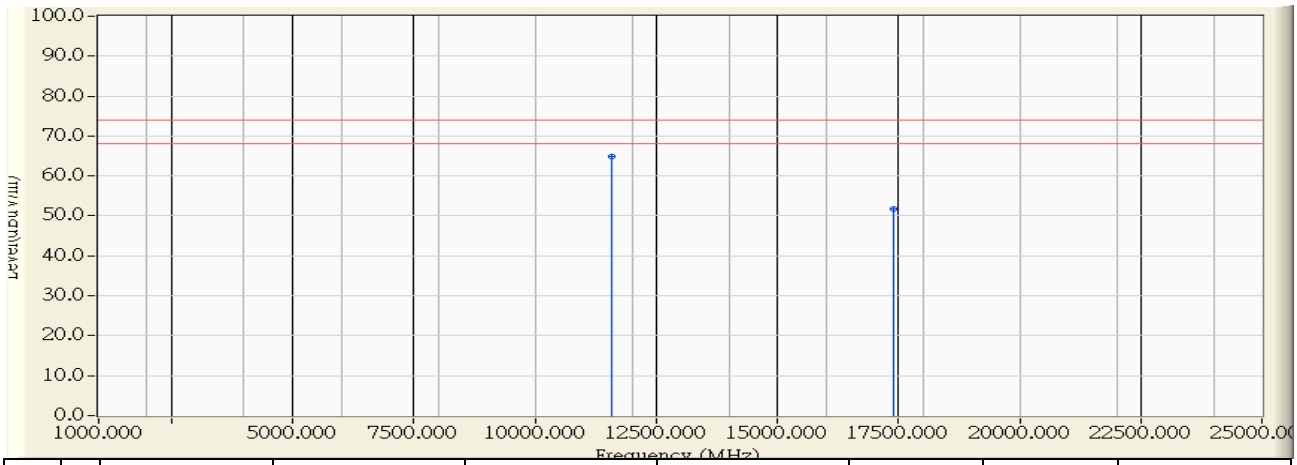


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	11.435	36.940	48.375	-5.625	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 16:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

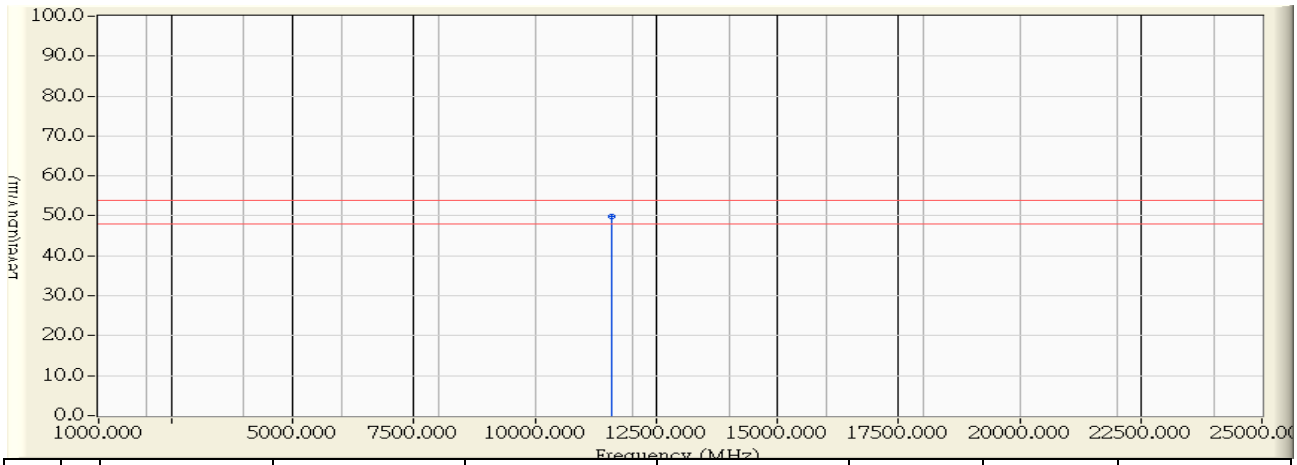


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	11.435	53.550	64.985	-9.015	74.000	PEAK
2		17385.000	16.269	35.520	51.788	-22.212	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/20 - 16:15**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

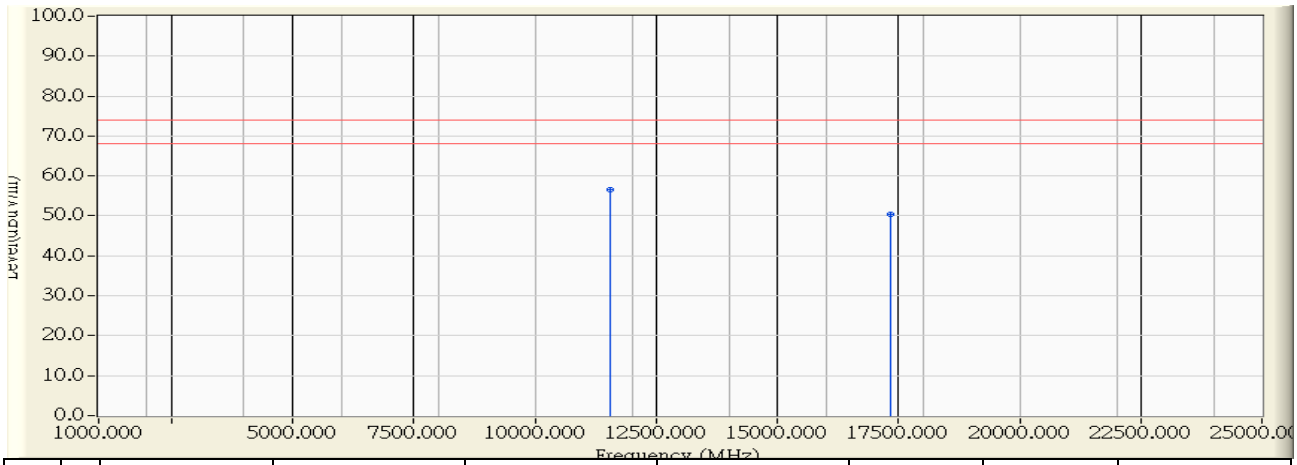


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	11.435	38.425	49.860	-4.140	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 16:26**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

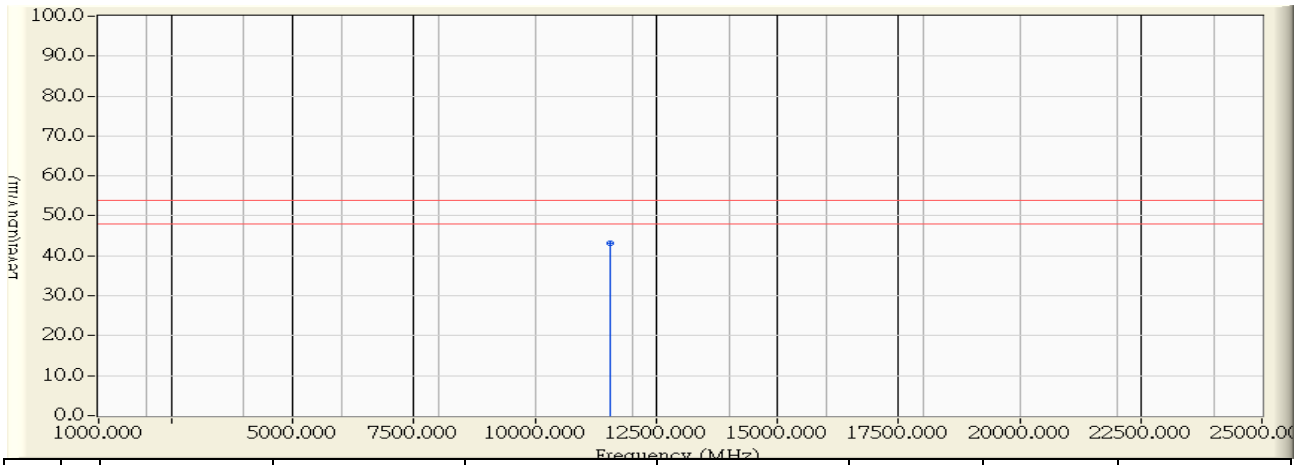


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	11.466	45.120	56.586	-17.414	74.000	PEAK
2		17325.000	15.993	34.330	50.322	-23.678	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/20 - 16:25**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

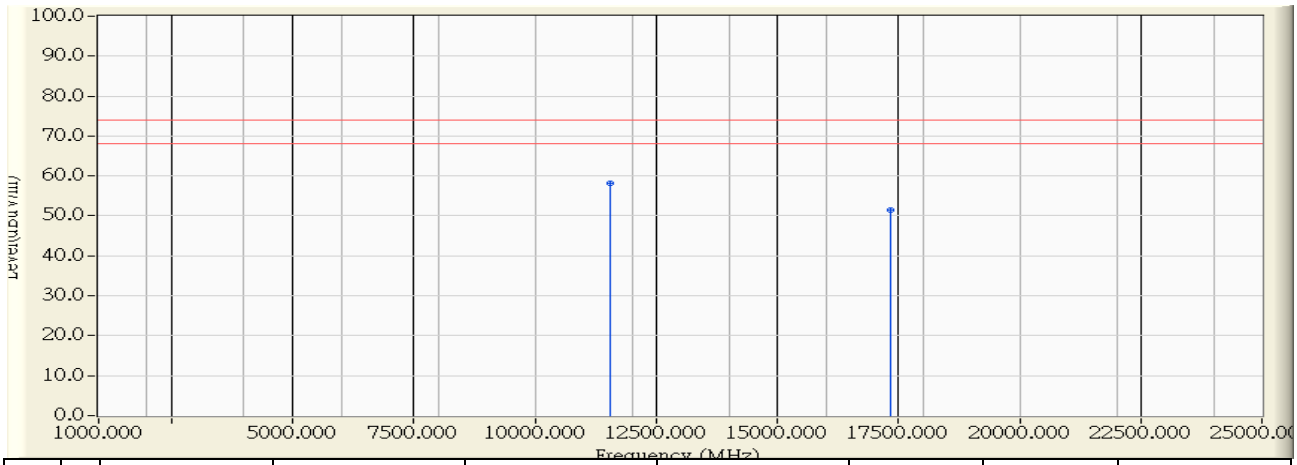


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	11.466	31.700	43.166	-10.834	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/20 - 16:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

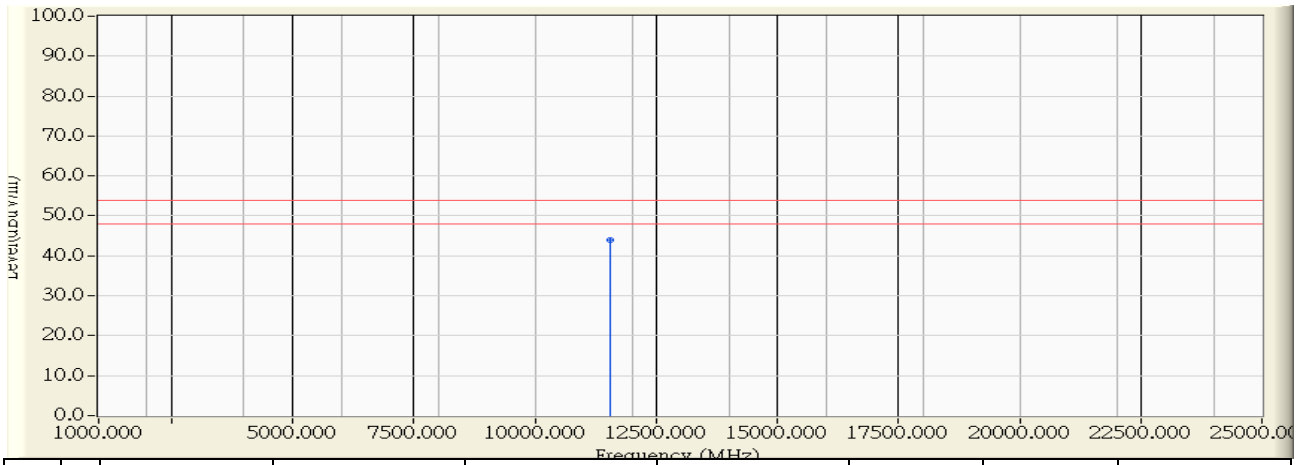


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	11.466	46.650	58.116	-15.884	74.000	PEAK
2		17325.000	15.993	35.450	51.442	-22.558	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection..

Site : CB1	**Time : 2014/10/20 - 16:23**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	11.466	32.600	44.066	-9.934	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

7. Band Edge

7.1. Test Equipment

The following test equipments are used during the band edge tests:

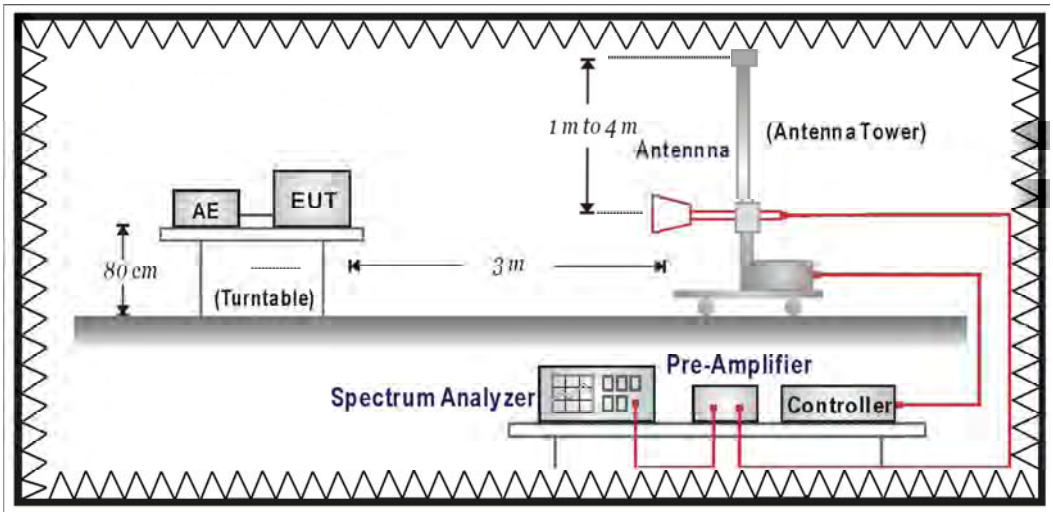
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2015/02/12
Spectrum Analyzer	Agilent	E4440A	MY46187335	2015/01/12
k Type Cable Pre-Amplifier	Huber Suhner Quietek	Sucoflex 102 AMF-4D.	25623/2 888003	2015/02/10 2015/06/02

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup

RF Radiated Measurement:



7.3. Limits

➢ **General Radiated Emission Limits**

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➢ **Unwanted Emission out of the restricted bands Limits**

FCC Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30 \times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

7.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

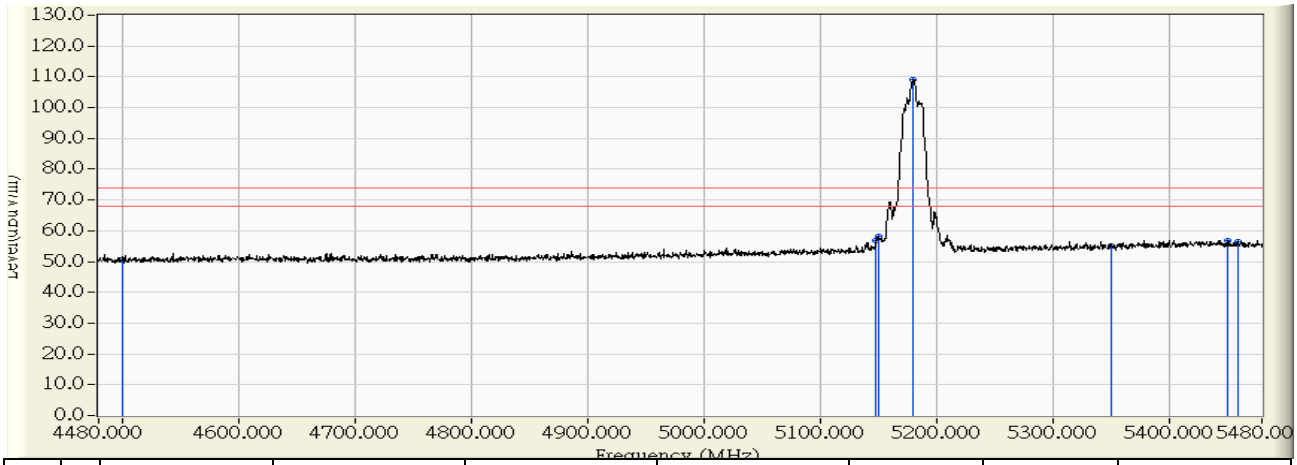
7.5. Uncertainty

The measurement uncertainty is defined as ± 3.65dB

7.6. Test Result

Radiated is defined as 5GHz Band4 In-Band:

Site : CB1	**Time : 2014/10/06 - 11:45**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5180MHz**

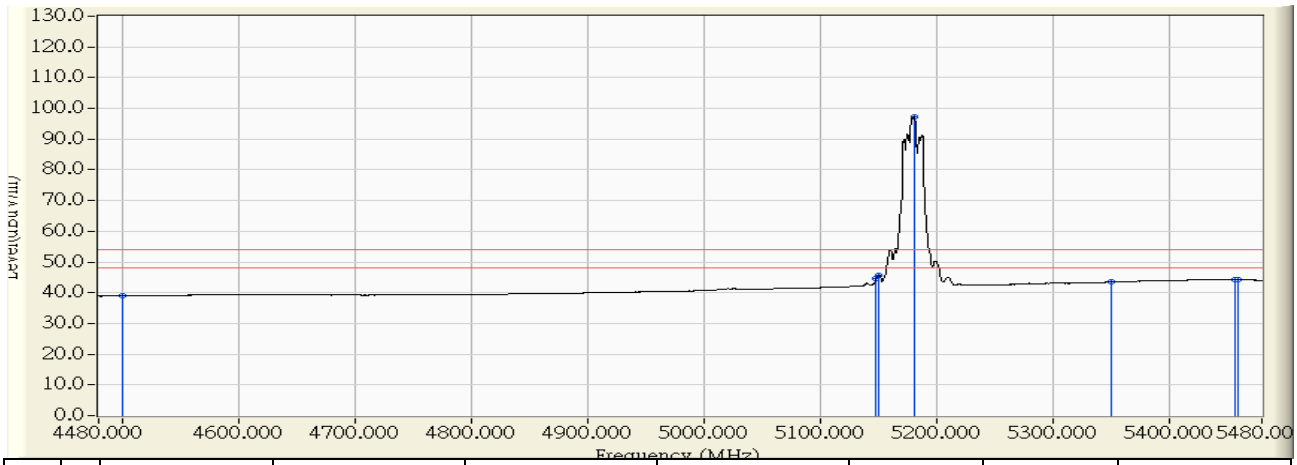


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	51.689	50.365	-23.635	74.000	PEAK
2		5148.000	1.224	55.465	56.688	-17.312	74.000	PEAK
3		5150.000	1.239	57.085	58.324	-15.676	74.000	PEAK
4	*	5180.500	1.475	107.537	109.013	35.013	74.000	PEAK
5		5350.000	2.790	52.137	54.927	-19.073	74.000	PEAK
6		5450.000	3.566	53.399	56.964	-17.036	74.000	PEAK
7		5460.000	3.622	52.691	56.313	-17.687	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 11:47**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5180MHz**

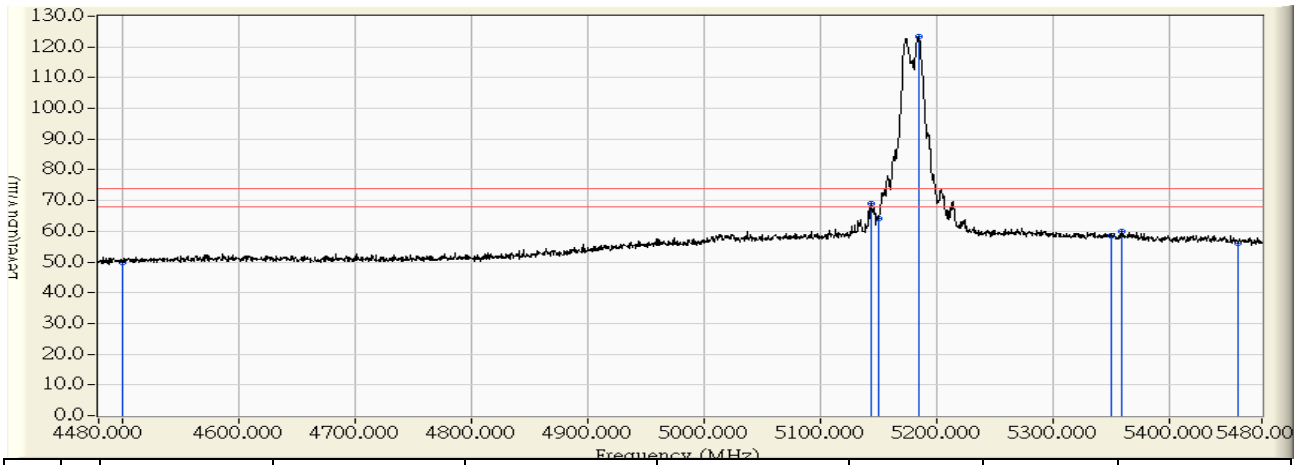


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	40.333	39.009	-14.991	54.000	AVERAGE
2		5148.500	1.227	43.244	44.471	-9.529	54.000	AVERAGE
3		5150.000	1.239	44.352	45.591	-8.409	54.000	AVERAGE
4	*	5181.000	1.479	95.882	97.361	43.361	54.000	AVERAGE
5		5350.000	2.790	40.639	43.429	-10.571	54.000	AVERAGE
6		5456.500	3.607	40.602	44.209	-9.791	54.000	AVERAGE
7		5460.000	3.622	40.562	44.184	-9.816	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 11:06**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5180MHz**

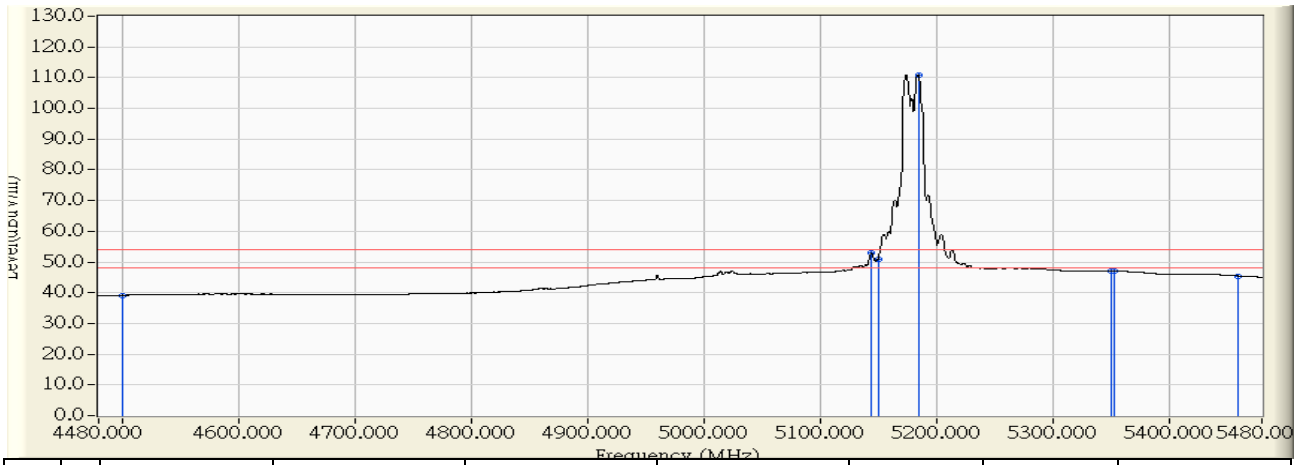


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	51.278	49.954	-24.046	74.000	PEAK
2		5144.000	1.192	67.871	69.063	-4.937	74.000	PEAK
3		5150.000	1.239	62.923	64.162	-9.838	74.000	PEAK
4	*	5185.000	1.511	121.904	123.414	49.414	74.000	PEAK
5		5350.000	2.790	55.734	58.524	-15.476	74.000	PEAK
6		5359.500	2.863	56.914	59.778	-14.222	74.000	PEAK
7		5460.000	3.622	52.602	56.224	-17.776	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 11:08**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5180MHz**

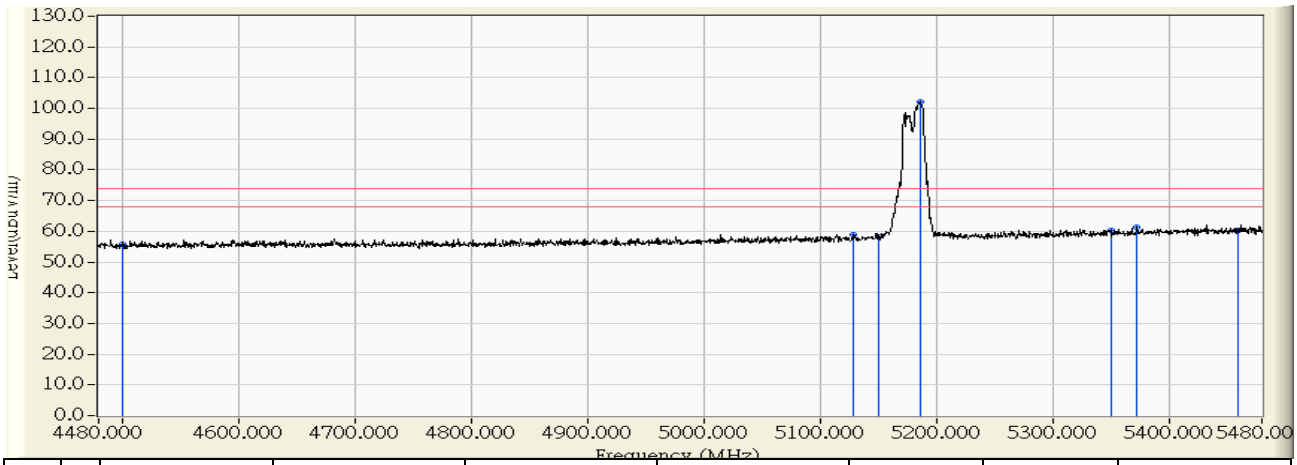


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	40.510	39.186	-14.814	54.000	AVERAGE
2		5144.500	1.196	51.621	52.817	-1.183	54.000	AVERAGE
3		5150.000	1.239	49.788	51.027	-2.973	54.000	AVERAGE
4	*	5184.500	1.506	109.462	110.969	56.969	54.000	AVERAGE
5		5350.000	2.790	44.372	47.162	-6.838	54.000	AVERAGE
6		5352.500	2.810	44.239	47.048	-6.952	54.000	AVERAGE
7		5460.000	3.622	41.848	45.470	-8.530	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 15:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180MHz**

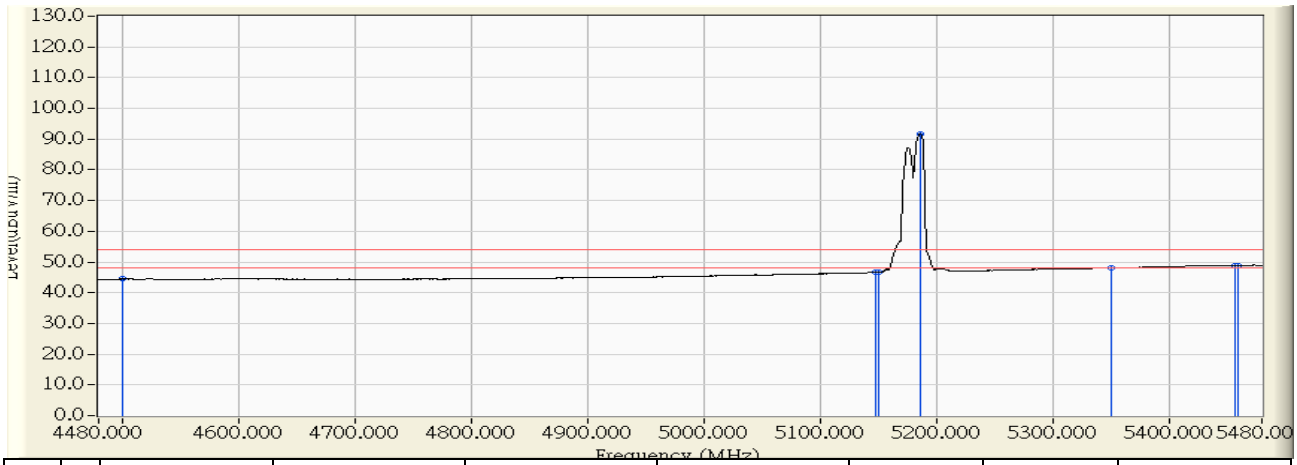


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	57.132	55.808	-18.192	74.000	PEAK
2		5129.000	1.076	57.914	58.990	-15.010	74.000	PEAK
3		5150.000	1.239	57.083	58.322	-15.678	74.000	PEAK
4	*	5186.500	1.522	100.566	102.088	28.088	74.000	PEAK
5		5350.000	2.790	57.446	60.236	-13.764	74.000	PEAK
6		5372.500	2.965	58.539	61.503	-12.497	74.000	PEAK
7		5460.000	3.622	56.687	60.309	-13.691	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 15:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180MHz**

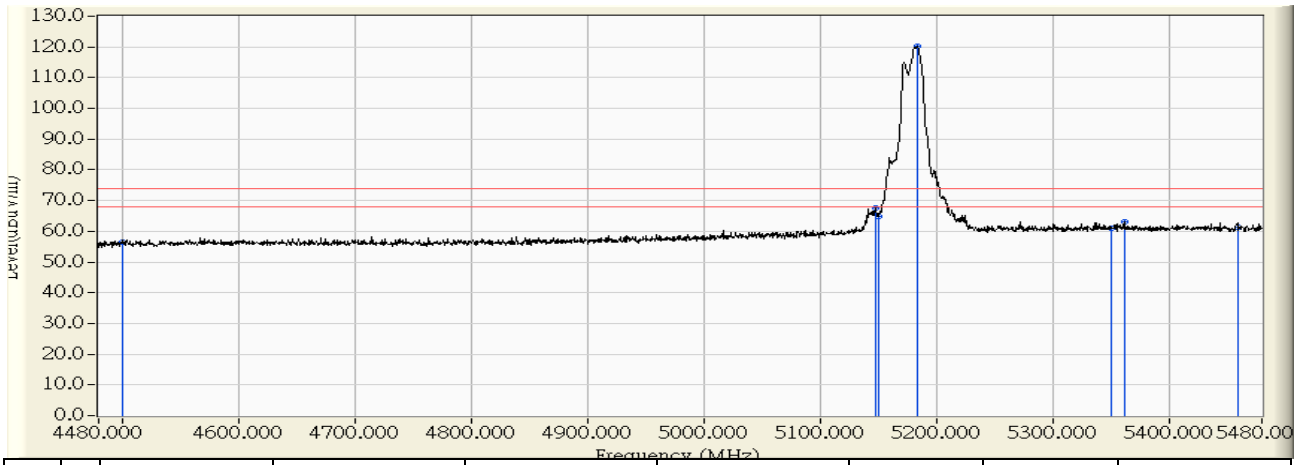


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	45.798	44.474	-9.526	54.000	AVERAGE
2		5147.500	1.220	45.600	46.820	-7.180	54.000	AVERAGE
3		5150.000	1.239	45.562	46.801	-7.199	54.000	AVERAGE
4	*	5186.000	1.518	90.125	91.643	37.643	54.000	AVERAGE
5		5350.000	2.790	45.260	48.050	-5.950	54.000	AVERAGE
6		5456.500	3.607	45.185	48.792	-5.208	54.000	AVERAGE
7		5460.000	3.622	45.222	48.844	-5.156	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 14:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180MHz**

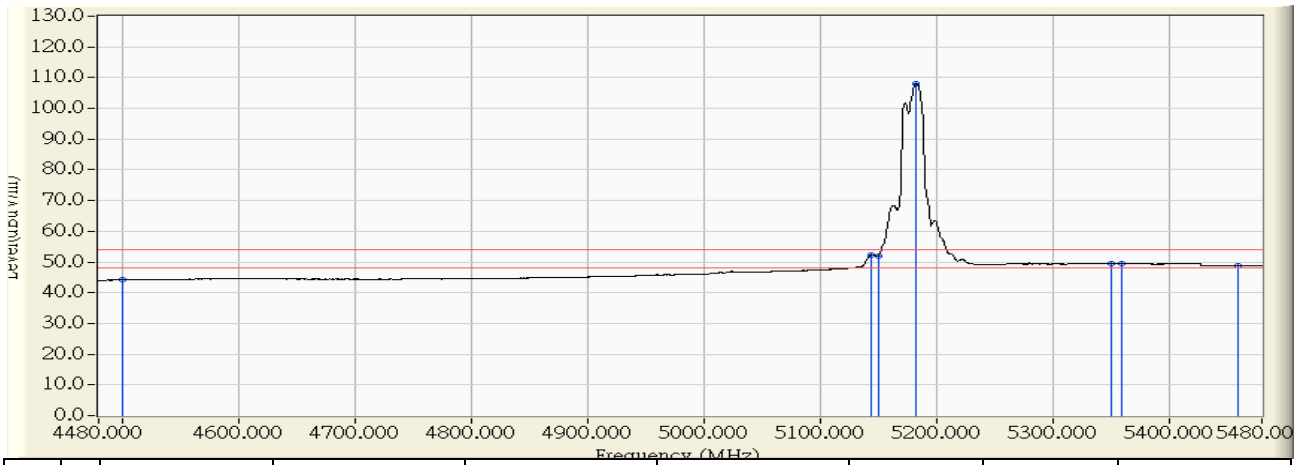


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	57.842	56.518	-17.482	74.000	PEAK
2		5148.000	1.224	66.358	67.581	-6.419	74.000	PEAK
3		5150.000	1.239	63.618	64.857	-9.143	74.000	PEAK
4	*	5184.000	1.502	118.826	120.329	46.329	74.000	PEAK
5		5350.000	2.790	58.126	60.916	-13.084	74.000	PEAK
6		5361.500	2.880	60.292	63.171	-10.829	74.000	PEAK
7		5460.000	3.622	57.836	61.458	-12.542	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 14:43**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5180MHz**

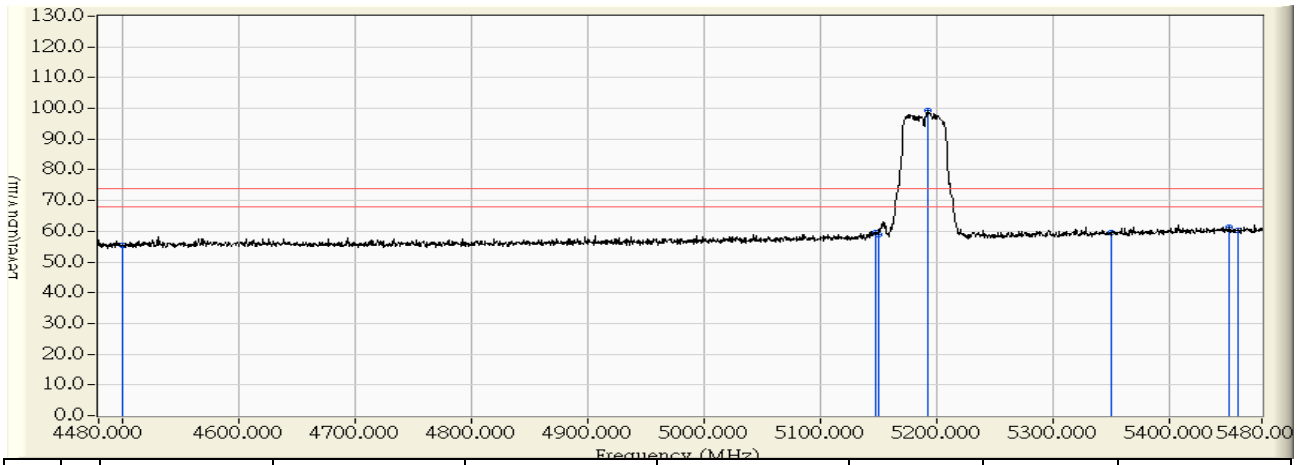


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	45.470	44.146	-9.854	54.000	AVERAGE
2		5144.000	1.192	51.118	52.310	-1.690	54.000	AVERAGE
3		5150.000	1.239	50.541	51.780	-2.220	54.000	AVERAGE
4	*	5183.000	1.496	106.608	108.103	54.103	54.000	AVERAGE
5		5350.000	2.790	46.763	49.553	-4.447	54.000	AVERAGE
6		5360.000	2.868	46.724	49.592	-4.408	54.000	AVERAGE
7		5460.000	3.622	45.197	48.819	-5.181	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 15:56**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190MHz**

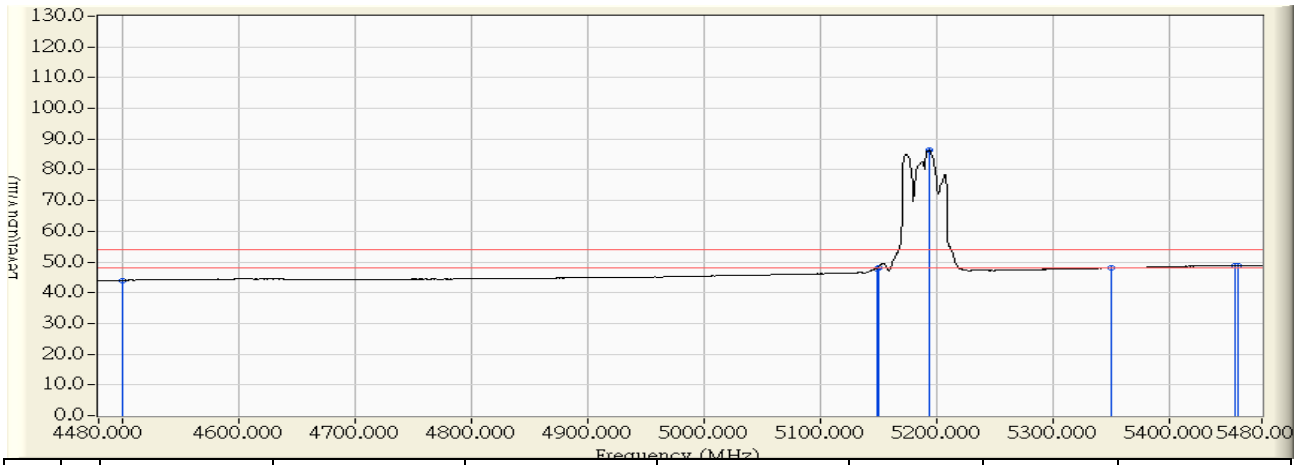


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	56.759	55.435	-18.565	74.000	PEAK
2		5148.000	1.224	58.209	59.432	-14.568	74.000	PEAK
3		5150.000	1.239	57.801	59.040	-14.960	74.000	PEAK
4	*	5193.000	1.573	97.596	99.168	25.168	74.000	PEAK
5		5350.000	2.790	56.768	59.558	-14.442	74.000	PEAK
6		5452.000	3.581	57.629	61.210	-12.790	74.000	PEAK
7		5460.000	3.622	56.842	60.464	-13.536	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 15:57**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190MHz**

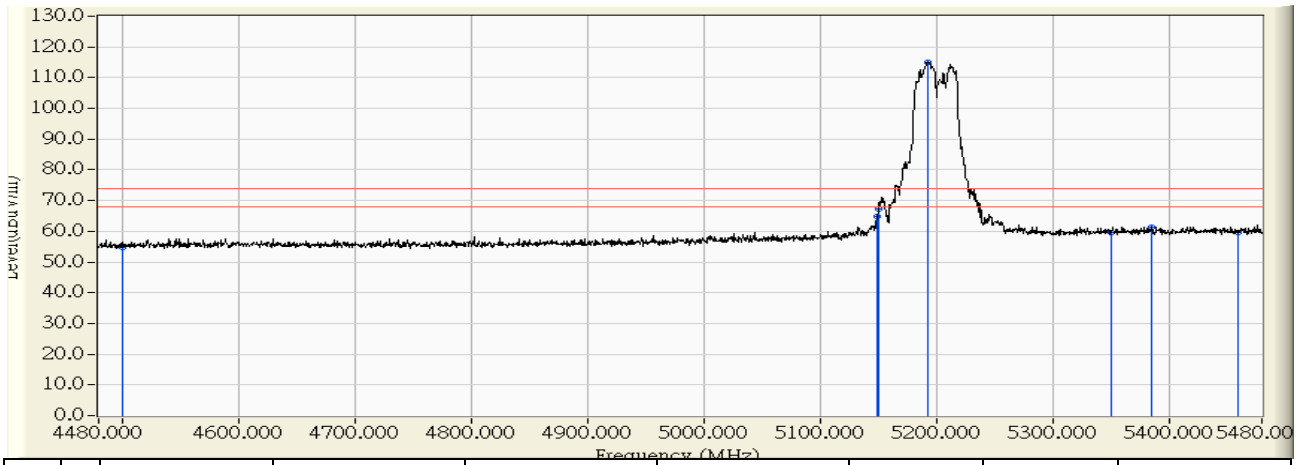


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	45.349	44.025	-9.975	54.000	AVERAGE
2		5149.000	1.231	46.555	47.786	-6.214	54.000	AVERAGE
3		5150.000	1.239	46.886	48.125	-5.875	54.000	AVERAGE
4	*	5193.500	1.576	84.751	86.327	32.327	54.000	AVERAGE
5		5350.000	2.790	45.262	48.052	-5.948	54.000	AVERAGE
6		5456.500	3.607	45.184	48.791	-5.209	54.000	AVERAGE
7		5460.000	3.622	45.183	48.805	-5.195	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 15:28**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190MHz**

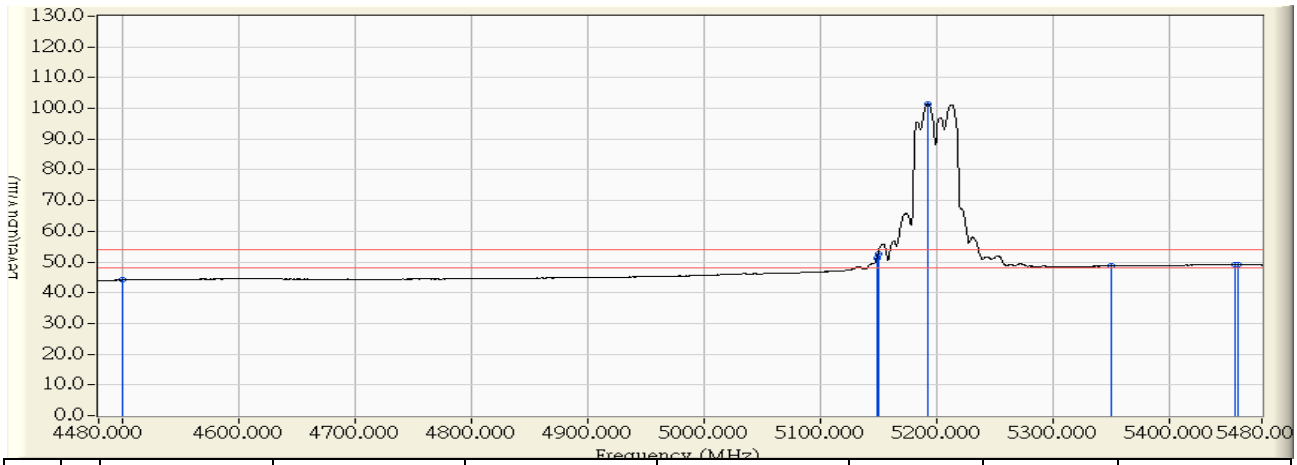


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	56.061	54.737	-19.263	74.000	PEAK
2		5149.000	1.231	63.504	64.735	-9.265	74.000	PEAK
3		5150.000	1.239	66.088	67.327	-6.673	74.000	PEAK
4	*	5193.000	1.573	113.562	115.134	41.134	74.000	PEAK
5		5350.000	2.790	56.903	59.693	-14.307	74.000	PEAK
6		5384.500	3.057	58.438	61.495	-12.505	74.000	PEAK
7		5460.000	3.622	56.140	59.762	-14.238	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 15:30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5190MHz**

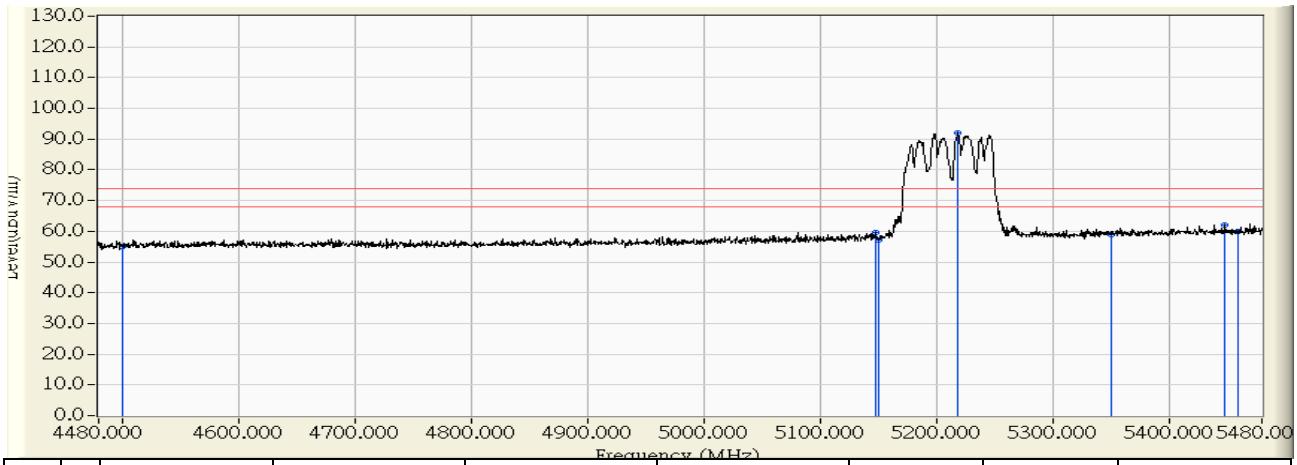


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	45.444	44.120	-9.880	54.000	AVERAGE
2		5149.000	1.231	50.005	51.236	-2.764	54.000	AVERAGE
3		5150.000	1.239	51.364	52.603	-1.397	54.000	AVERAGE
4	*	5193.000	1.573	99.768	101.340	47.340	54.000	AVERAGE
5		5350.000	2.790	45.909	48.699	-5.301	54.000	AVERAGE
6		5456.500	3.607	45.450	49.057	-4.943	54.000	AVERAGE
7		5460.000	3.622	45.415	49.037	-4.963	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 16:46**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5210MHz**

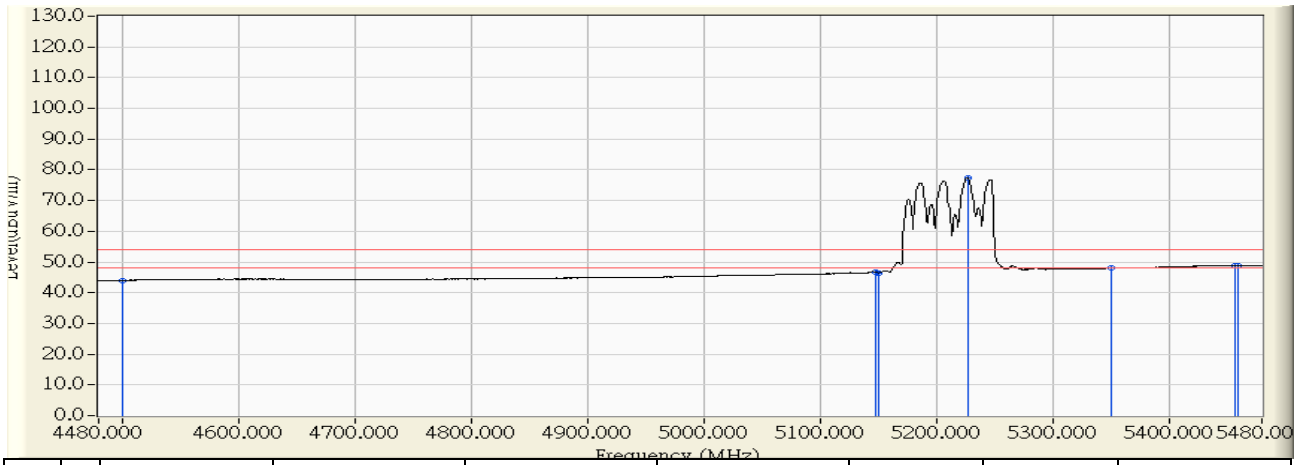


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	56.227	54.903	-19.097	74.000	PEAK
2		5148.500	1.227	58.365	59.592	-14.408	74.000	PEAK
3		5150.000	1.239	55.984	57.223	-16.777	74.000	PEAK
4	*	5219.000	1.773	90.330	92.104	18.104	74.000	PEAK
5		5350.000	2.790	56.151	58.941	-15.059	74.000	PEAK
6		5448.500	3.554	58.562	62.116	-11.884	74.000	PEAK
7		5460.000	3.622	56.222	59.844	-14.156	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 16:48**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5210MHz**

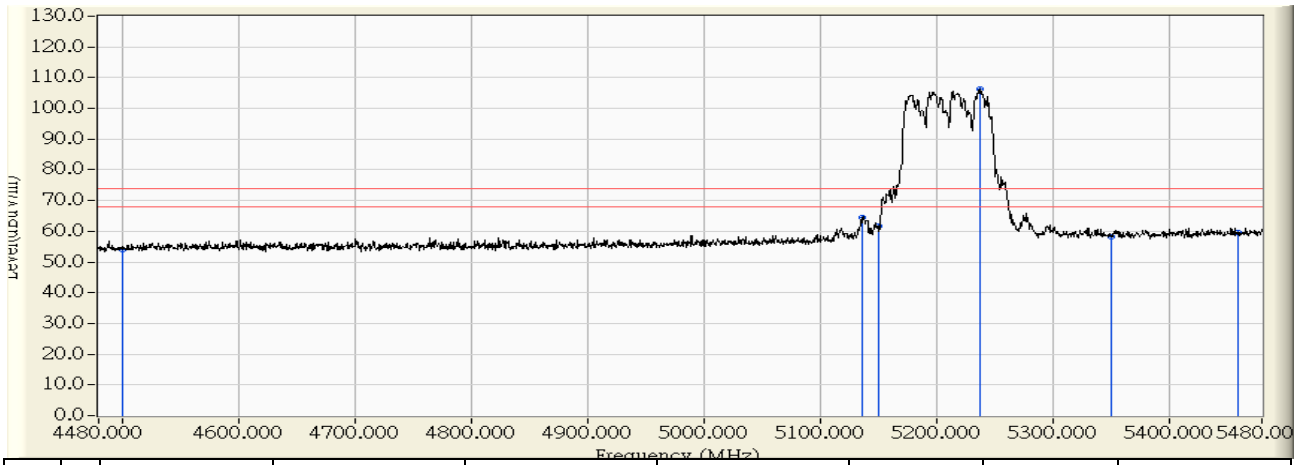


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	45.398	44.074	-9.926	54.000	AVERAGE
2		5148.000	1.224	45.524	46.747	-7.253	54.000	AVERAGE
3		5150.000	1.239	45.280	46.519	-7.481	54.000	AVERAGE
4	*	5227.000	1.836	75.682	77.518	23.518	54.000	AVERAGE
5		5350.000	2.790	45.187	47.977	-6.023	54.000	AVERAGE
6		5456.500	3.607	45.113	48.720	-5.280	54.000	AVERAGE
7		5460.000	3.622	45.175	48.797	-5.203	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 16:38**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5210MHz**

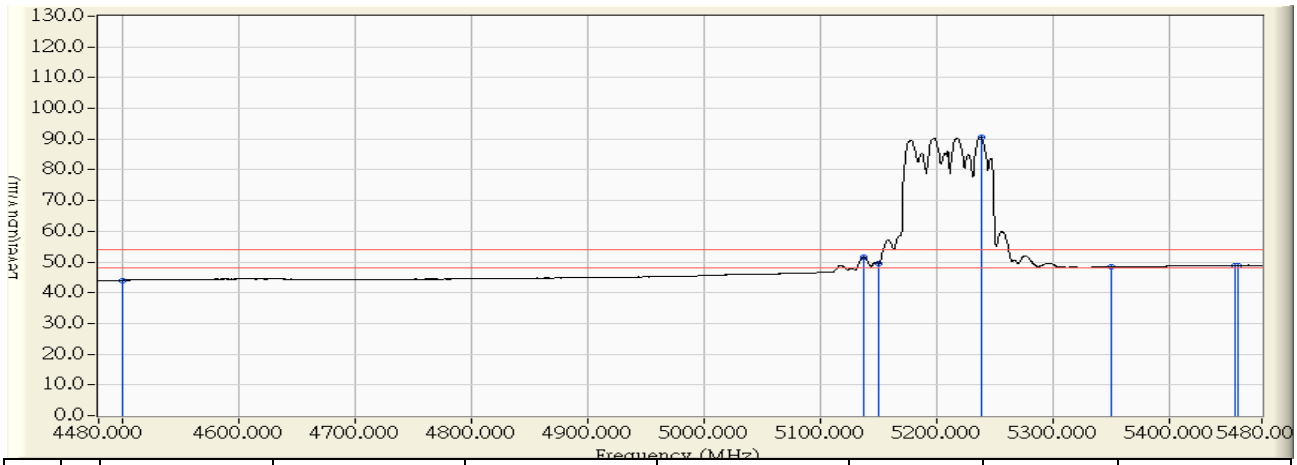


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	55.285	53.961	-20.039	74.000	PEAK
2		5137.000	1.138	63.309	64.447	-9.553	74.000	PEAK
3		5150.000	1.239	60.612	61.851	-12.149	74.000	PEAK
4	*	5238.000	1.922	104.285	106.206	32.206	74.000	PEAK
5		5350.000	2.790	55.480	58.270	-15.730	74.000	PEAK
6		5460.000	3.622	55.992	59.614	-14.386	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 16:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5210MHz**

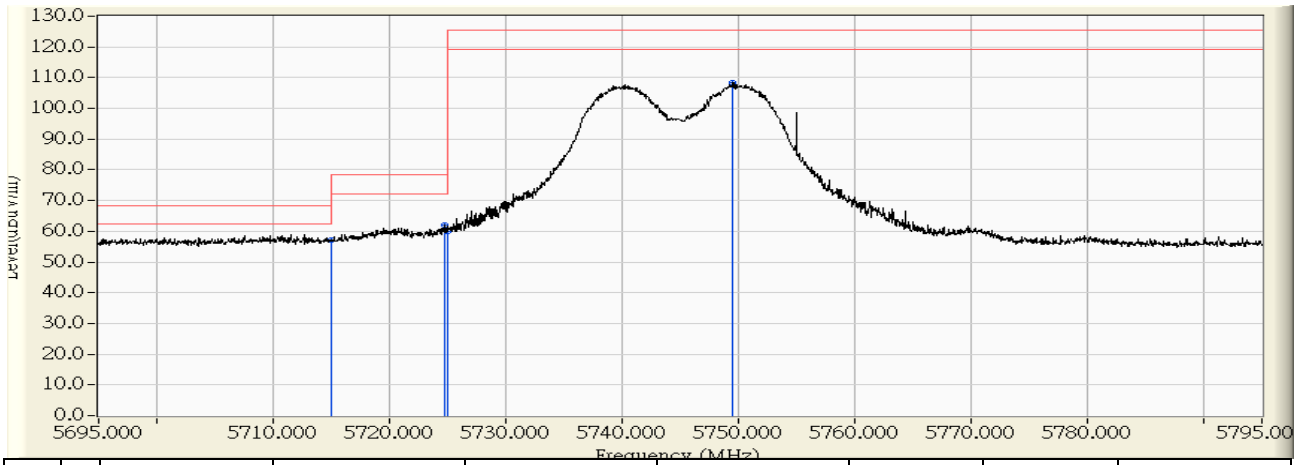


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4500.000	-1.324	45.375	44.051	-9.949	54.000	AVERAGE
2		5137.500	1.142	50.462	51.604	-2.396	54.000	AVERAGE
3		5150.000	1.239	48.307	49.546	-4.454	54.000	AVERAGE
4	*	5238.500	1.926	88.703	90.628	36.628	54.000	AVERAGE
5		5350.000	2.790	45.602	48.392	-5.608	54.000	AVERAGE
6		5456.500	3.607	45.287	48.894	-5.106	54.000	AVERAGE
7		5460.000	3.622	45.301	48.923	-5.077	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:00**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

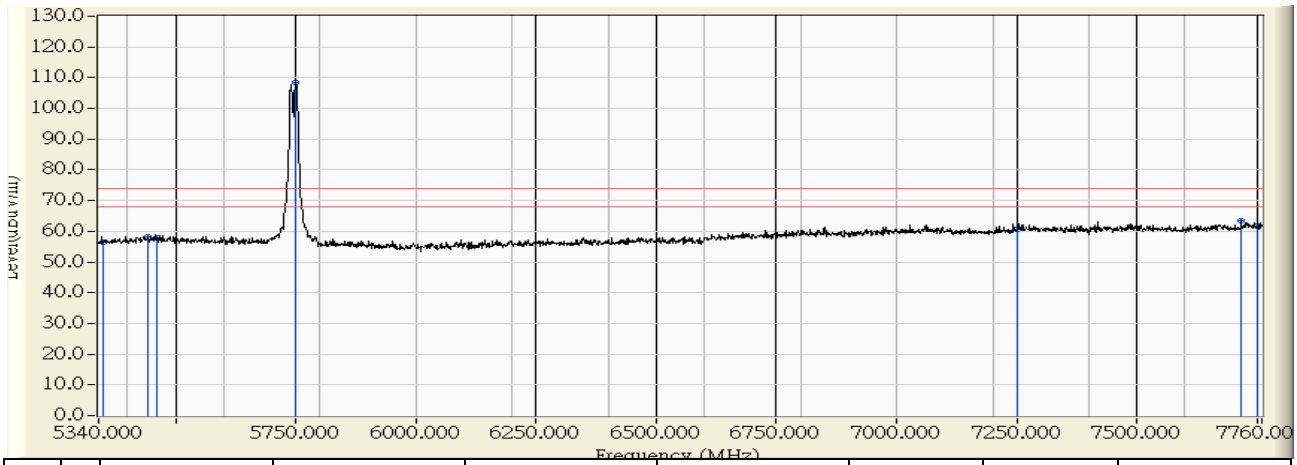


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5715.000	2.728	54.586	57.314	-10.986	68.300	PEAK
2		5724.700	2.691	59.366	62.057	-16.243	78.300	PEAK
3		5725.000	2.690	57.312	60.002	-18.298	78.300	PEAK
4		5749.550	2.595	105.871	108.466	-16.834	125.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

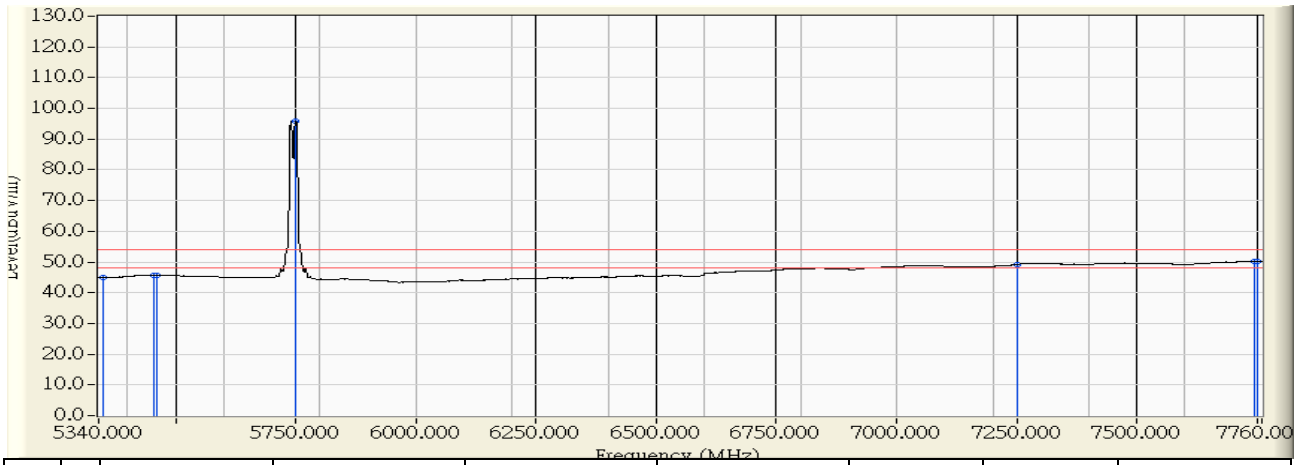


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	53.603	56.393	-17.607	74.000	PEAK
2		5441.640	3.501	54.764	58.265	-15.735	74.000	PEAK
3		5460.000	3.622	54.293	57.915	-16.085	74.000	PEAK
4	*	5750.190	2.592	105.871	108.463	34.463	74.000	PEAK
5		7250.000	5.549	55.085	60.634	-13.366	74.000	PEAK
6		7716.440	6.448	56.859	63.306	-10.694	74.000	PEAK
7		7750.000	6.505	55.161	61.666	-12.334	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:03**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

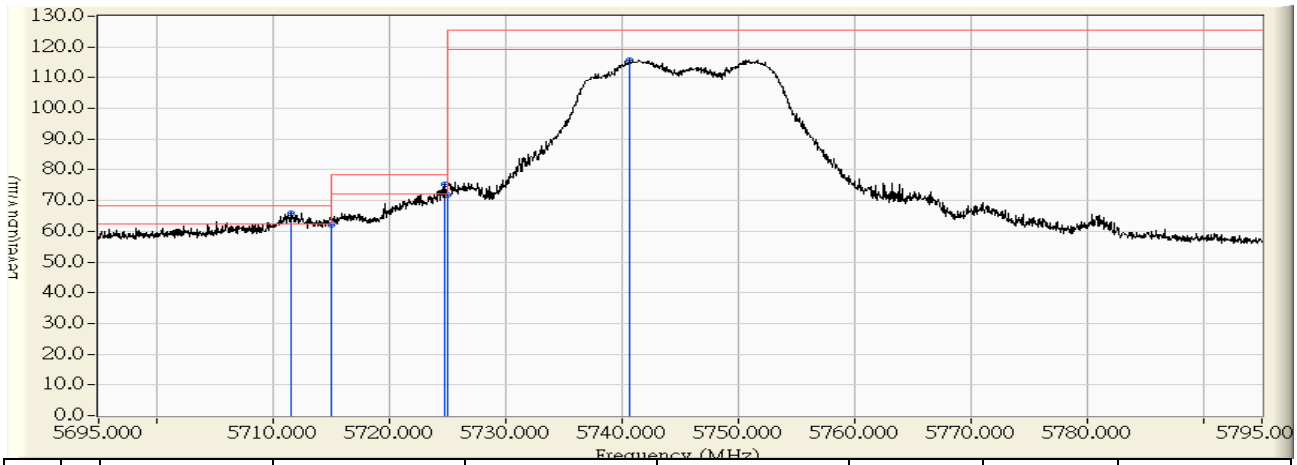


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.134	44.924	-9.076	54.000	AVERAGE
2		5453.740	3.594	42.097	45.691	-8.309	54.000	AVERAGE
3		5460.000	3.622	42.036	45.658	-8.342	54.000	AVERAGE
4	*	5750.190	2.592	93.311	95.903	41.903	54.000	AVERAGE
5		7250.000	5.549	43.617	49.166	-4.834	54.000	AVERAGE
6		7743.060	6.493	43.663	50.156	-3.844	54.000	AVERAGE
7		7750.000	6.505	43.696	50.201	-3.799	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 19:13**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

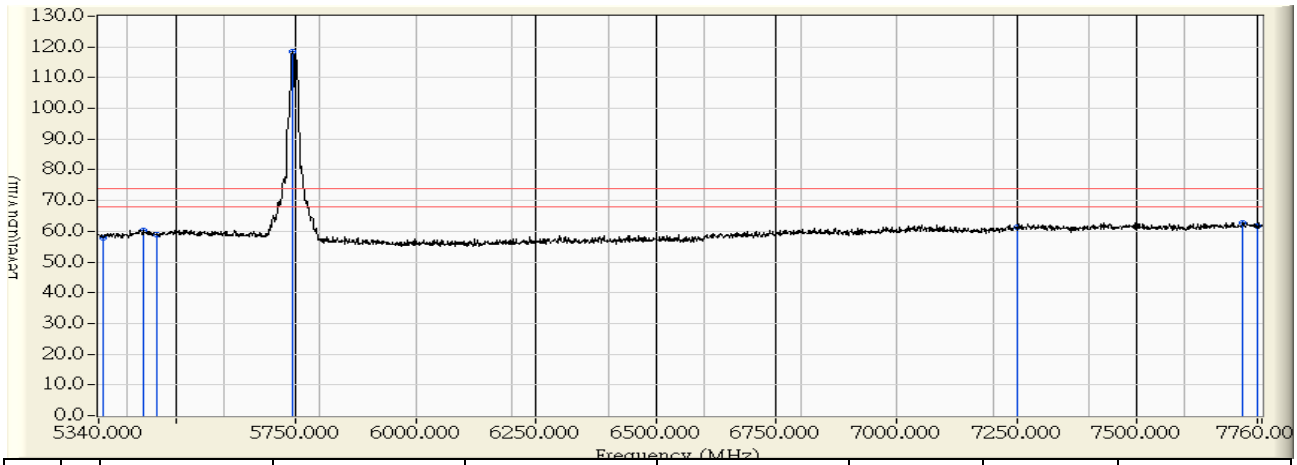


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5711.600	2.742	63.194	65.935	-2.365	68.300	PEAK
2		5715.000	2.728	59.420	62.148	-6.152	68.300	PEAK
3		5724.700	2.691	72.613	75.304	-2.996	78.300	PEAK
4		5725.000	2.690	69.070	71.760	-6.540	78.300	PEAK
5		5740.700	2.629	113.103	115.732	-9.568	125.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 19:17**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

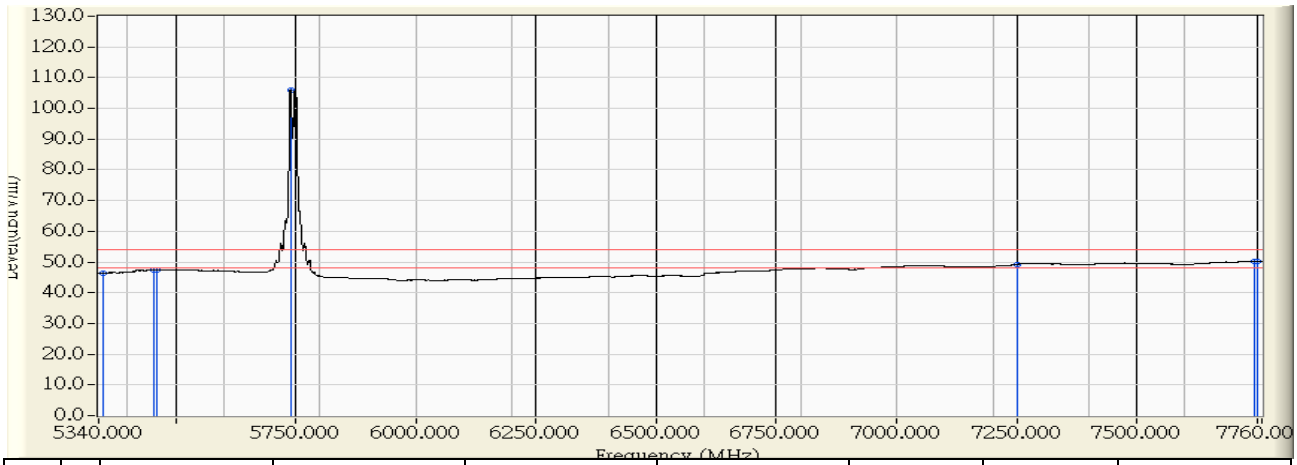


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	55.052	57.842	-16.158	74.000	PEAK
2		5434.380	3.444	56.679	60.123	-13.877	74.000	PEAK
3		5460.000	3.622	55.281	58.903	-15.097	74.000	PEAK
4	*	5744.140	2.615	115.713	118.329	44.329	74.000	PEAK
5		7250.000	5.549	55.669	61.218	-12.782	74.000	PEAK
6		7720.070	6.454	56.122	62.575	-11.425	74.000	PEAK
7		7750.000	6.505	55.038	61.543	-12.457	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 19:53**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5745MHz**

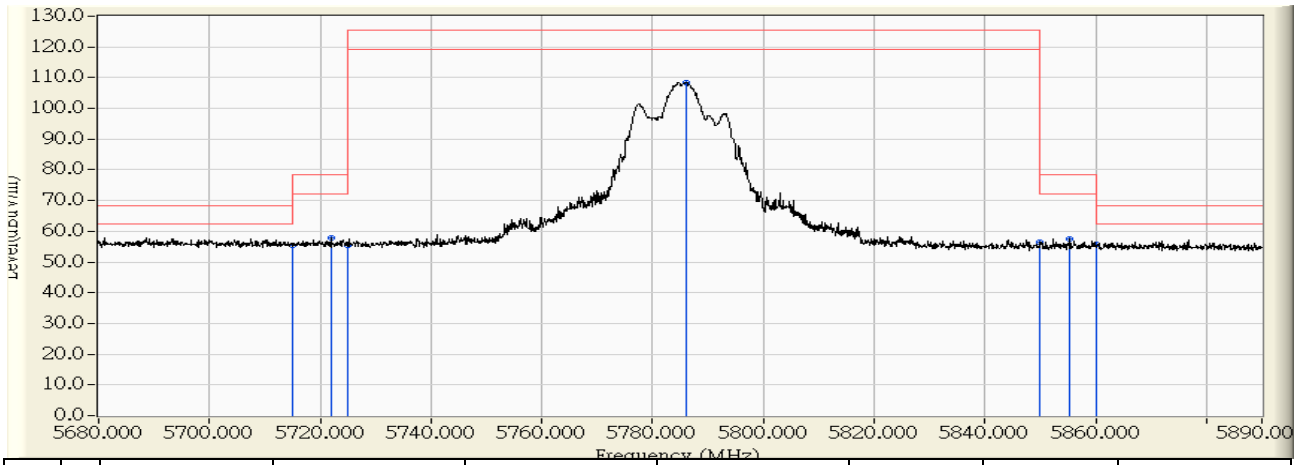


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	43.677	46.467	-7.533	54.000	AVERAGE
2		5453.740	3.594	43.652	47.246	-6.754	54.000	AVERAGE
3		5460.000	3.622	43.673	47.295	-6.705	54.000	AVERAGE
4	*	5739.300	2.635	103.420	106.054	52.054	54.000	AVERAGE
5		7250.000	5.549	43.640	49.189	-4.811	54.000	AVERAGE
6		7743.060	6.493	43.659	50.152	-3.848	54.000	AVERAGE
7		7750.000	6.505	43.682	50.187	-3.813	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:07**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5785MHz**

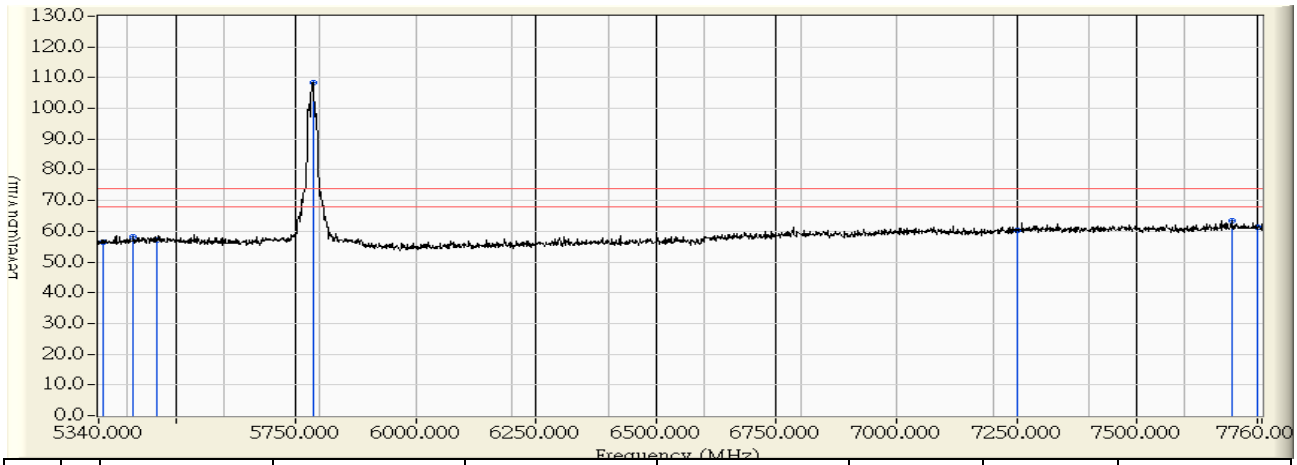


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5715.000	2.728	52.749	55.477	-12.823	68.300	PEAK
2		5722.000	2.701	55.170	57.871	-20.429	78.300	PEAK
3		5725.000	2.690	52.628	55.318	-22.982	78.300	PEAK
4		5785.945	2.454	106.083	108.538	-16.762	125.300	PEAK
5		5850.000	2.208	54.195	56.403	-21.897	78.300	PEAK
6		5855.350	2.188	55.321	57.508	-20.792	78.300	PEAK
7	*	5860.000	2.169	53.763	55.932	-12.368	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:07**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5785MHz**

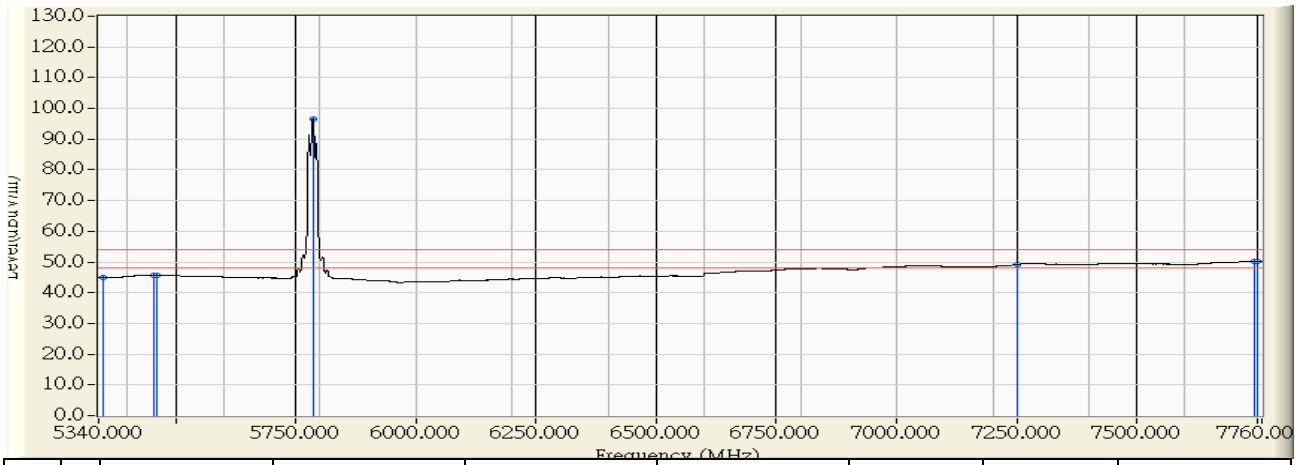


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	53.517	56.307	-17.693	74.000	PEAK
2		5412.600	3.276	55.096	58.371	-15.629	74.000	PEAK
3		5460.000	3.622	53.558	57.180	-16.820	74.000	PEAK
4	*	5785.280	2.457	106.084	108.541	34.541	74.000	PEAK
5		7250.000	5.549	54.825	60.374	-13.626	74.000	PEAK
6		7697.080	6.414	56.955	63.369	-10.631	74.000	PEAK
7		7750.000	6.505	54.720	61.225	-12.775	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:11**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5785MHz**

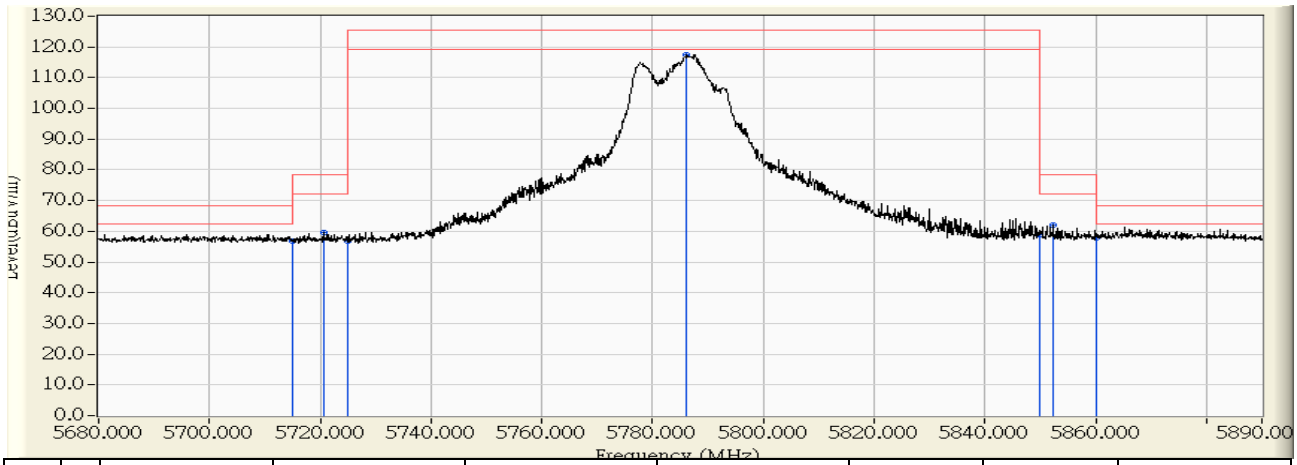


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.145	44.935	-9.065	54.000	AVERAGE
2		5453.740	3.594	42.066	45.660	-8.340	54.000	AVERAGE
3		5460.000	3.622	42.042	45.664	-8.336	54.000	AVERAGE
4	*	5786.490	2.453	94.115	96.568	42.568	54.000	AVERAGE
5		7250.000	5.549	43.565	49.114	-4.886	54.000	AVERAGE
6		7743.060	6.493	43.627	50.120	-3.880	54.000	AVERAGE
7		7750.000	6.505	43.623	50.128	-3.872	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:46**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5785MHz**

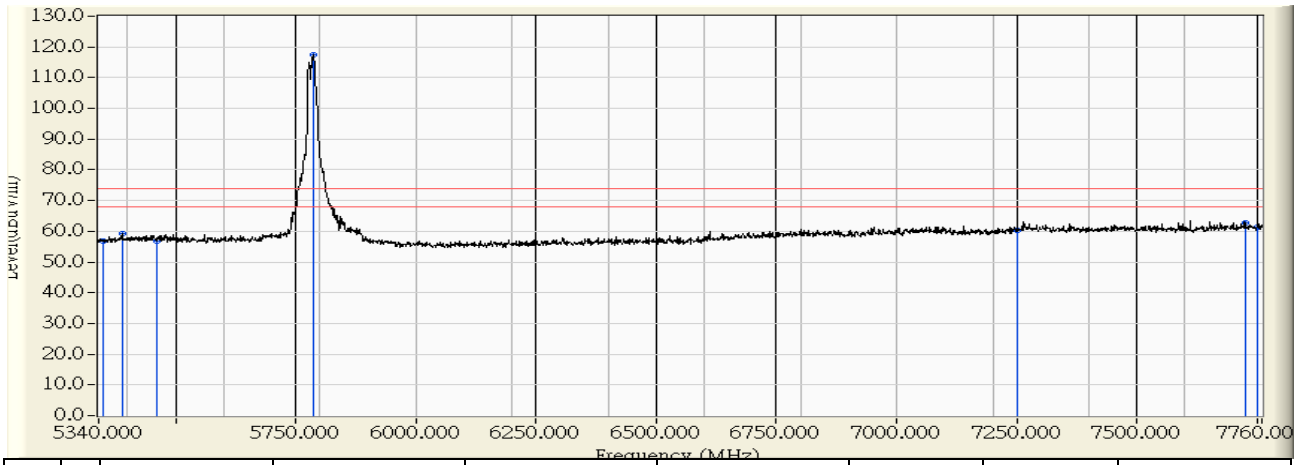


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5715.000	2.728	54.248	56.976	-11.324	68.300	PEAK
2		5720.530	2.707	56.862	59.569	-18.731	78.300	PEAK
3		5725.000	2.690	54.018	56.708	-21.592	78.300	PEAK
4	*	5786.155	2.453	114.907	117.361	-7.939	125.300	PEAK
5		5850.000	2.208	56.621	58.829	-19.471	78.300	PEAK
6		5852.305	2.199	59.865	62.064	-16.236	78.300	PEAK
7		5860.000	2.169	55.598	57.767	-10.533	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:47**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5785MHz**

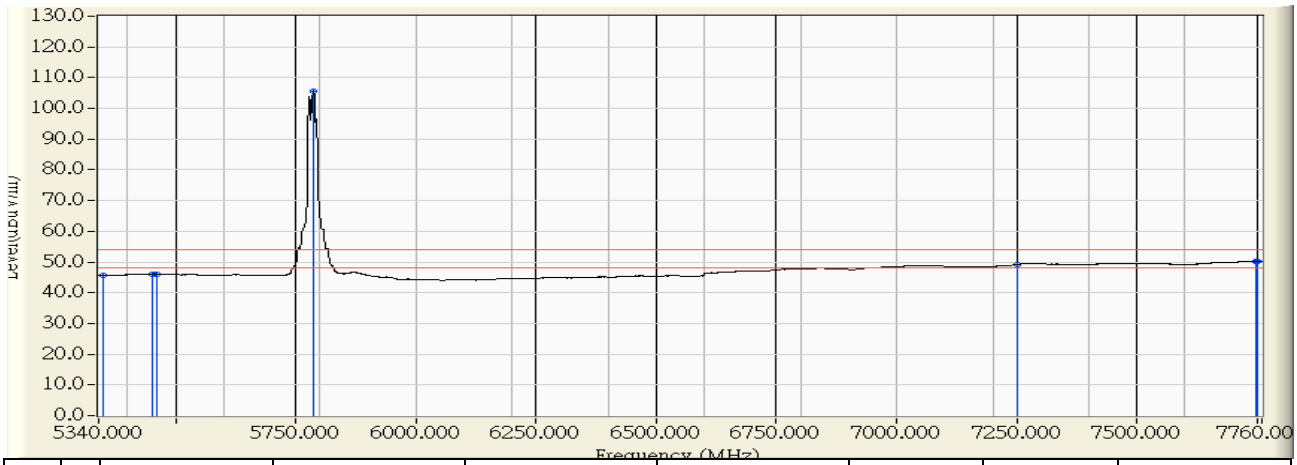


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.053	56.843	-17.157	74.000	PEAK
2		5388.400	3.088	56.069	59.157	-14.843	74.000	PEAK
3		5460.000	3.622	53.221	56.843	-17.157	74.000	PEAK
4	*	5785.280	2.457	114.907	117.364	43.364	74.000	PEAK
5		7250.000	5.549	54.614	60.163	-13.837	74.000	PEAK
6		7724.910	6.462	56.164	62.626	-11.374	74.000	PEAK
7		7750.000	6.505	54.681	61.186	-12.814	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:50**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5785MHz**

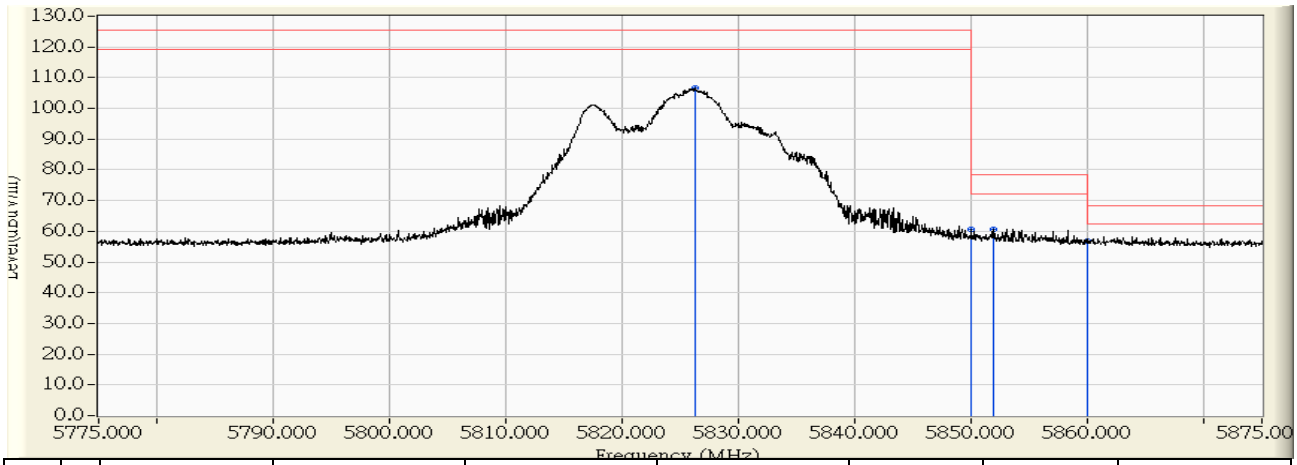


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.773	45.563	-8.437	54.000	AVERAGE
2		5451.320	3.575	42.433	46.009	-7.991	54.000	AVERAGE
3		5460.000	3.622	42.400	46.022	-7.978	54.000	AVERAGE
4	*	5786.490	2.453	103.289	105.742	51.742	54.000	AVERAGE
5		7250.000	5.549	43.630	49.179	-4.821	54.000	AVERAGE
6		7746.690	6.499	43.624	50.123	-3.877	54.000	AVERAGE
7		7750.000	6.505	43.654	50.159	-3.841	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:49**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

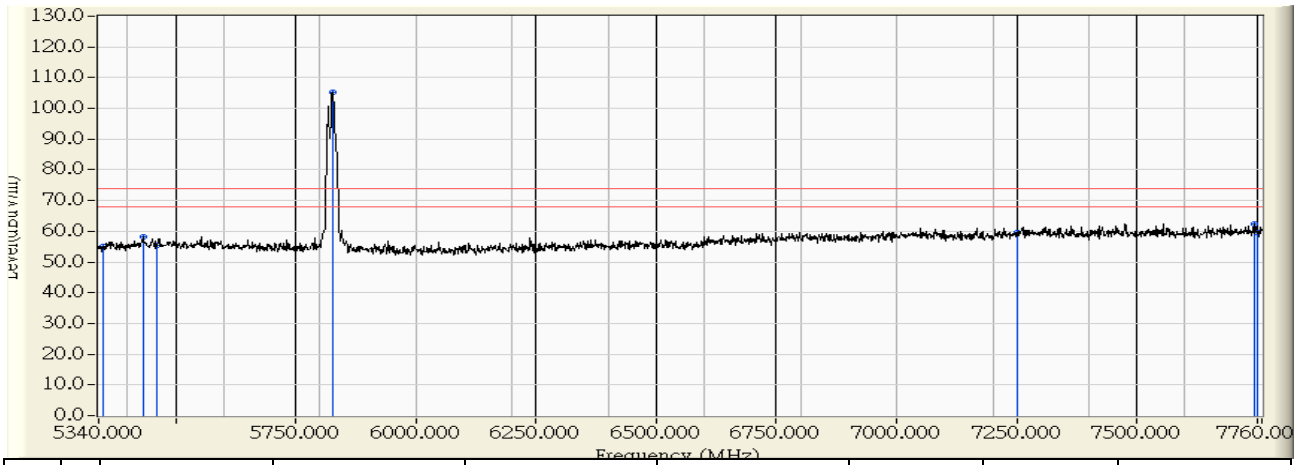


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5826.250	2.299	104.307	106.606	-18.694	125.300	PEAK
2		5850.000	2.208	58.490	60.698	-17.602	78.300	PEAK
3		5851.900	2.200	58.353	60.553	-17.747	78.300	PEAK
4	*	5860.000	2.169	54.543	56.712	-11.588	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:55**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

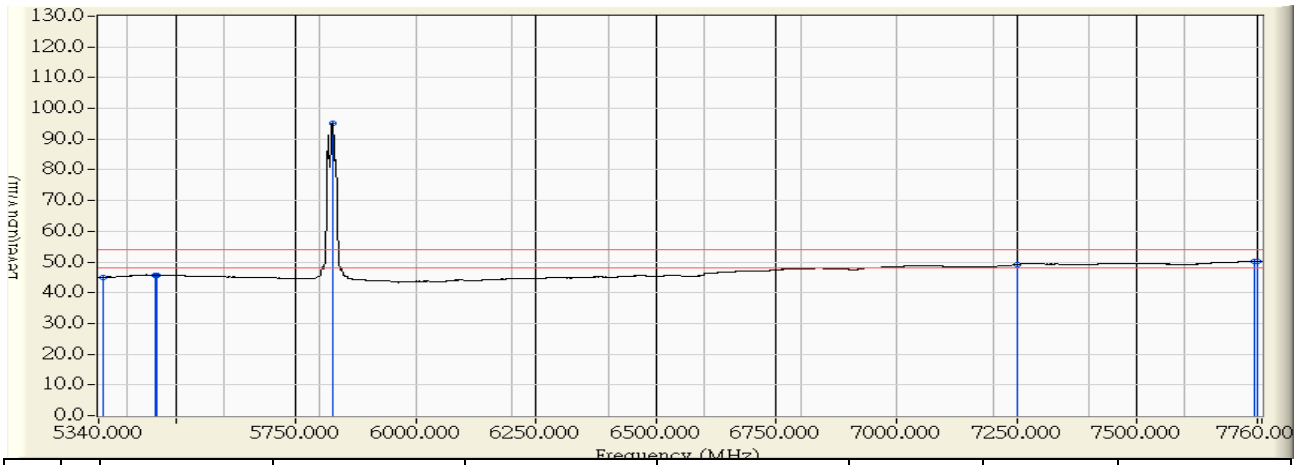


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	52.393	55.183	-18.817	74.000	PEAK
2		5433.170	3.435	54.761	58.196	-15.804	74.000	PEAK
3		5460.000	3.622	51.896	55.518	-18.482	74.000	PEAK
4	*	5827.630	2.294	102.983	105.277	31.277	74.000	PEAK
5		7250.000	5.549	54.060	59.609	-14.391	74.000	PEAK
6		7743.060	6.493	56.044	62.537	-11.463	74.000	PEAK
7		7750.000	6.505	53.112	59.617	-14.383	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:54**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

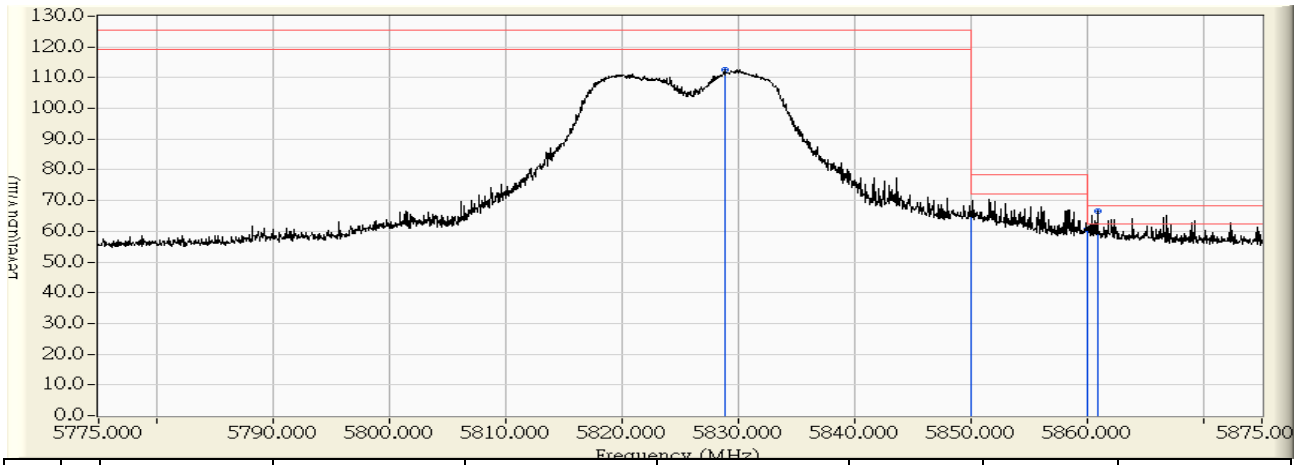


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.284	45.074	-8.926	54.000	AVERAGE
2		5457.370	3.611	42.170	45.781	-8.219	54.000	AVERAGE
3		5460.000	3.622	42.151	45.773	-8.227	54.000	AVERAGE
4	*	5826.420	2.298	92.872	95.171	41.171	54.000	AVERAGE
5		7250.000	5.549	43.610	49.159	-4.841	54.000	AVERAGE
6		7743.060	6.493	43.627	50.120	-3.880	54.000	AVERAGE
7		7750.000	6.505	43.652	50.157	-3.843	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:36**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

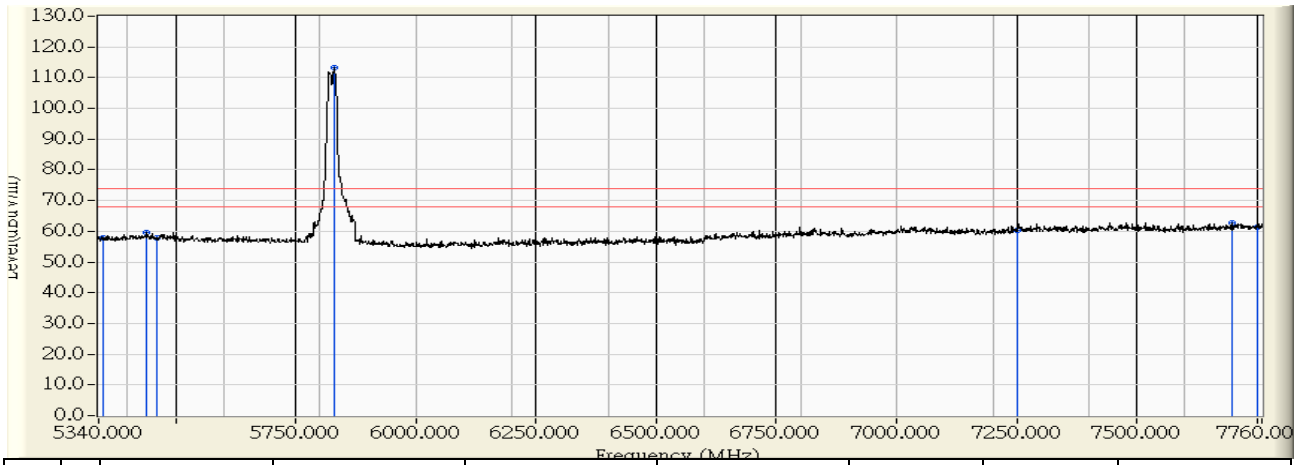


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5828.800	2.290	110.325	112.615	-12.685	125.300	PEAK
2		5850.000	2.208	63.667	65.875	-12.425	78.300	PEAK
3		5860.000	2.169	58.451	60.620	-7.680	68.300	PEAK
4	*	5860.850	2.166	64.298	66.464	-1.836	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:36**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

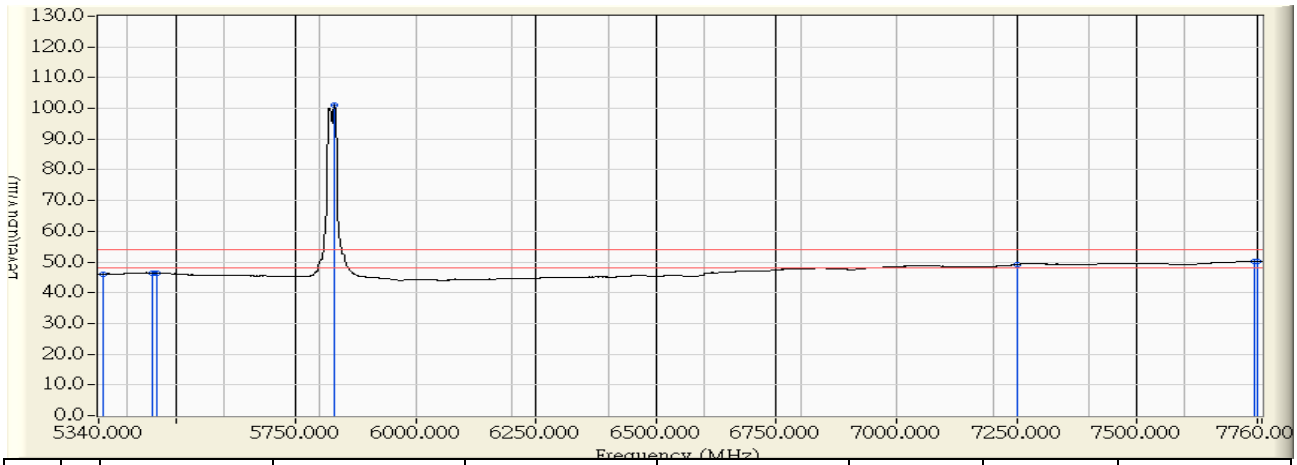


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	55.071	57.861	-16.139	74.000	PEAK
2		5439.220	3.482	56.254	59.736	-14.264	74.000	PEAK
3		5460.000	3.622	54.156	57.778	-16.222	74.000	PEAK
4	*	5828.840	2.290	111.127	113.416	39.416	74.000	PEAK
5		7250.000	5.549	54.722	60.271	-13.729	74.000	PEAK
6		7697.080	6.414	56.202	62.616	-11.384	74.000	PEAK
7		7750.000	6.505	54.846	61.351	-12.649	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11a_5825MHz**

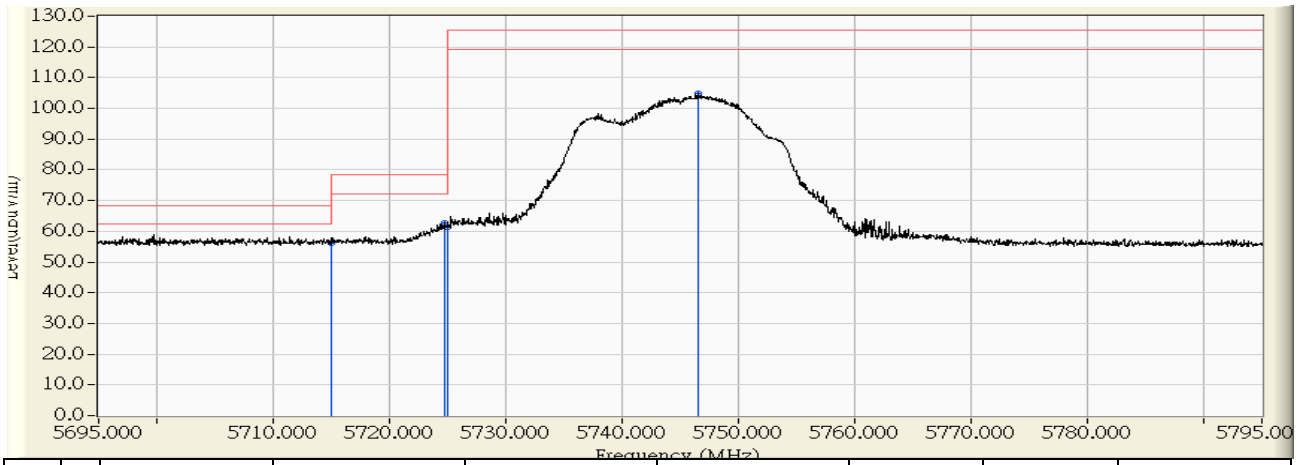


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	43.208	45.998	-8.002	54.000	AVERAGE
2		5451.320	3.575	42.790	46.366	-7.634	54.000	AVERAGE
3		5460.000	3.622	42.685	46.307	-7.693	54.000	AVERAGE
4	*	5830.050	2.285	98.731	101.016	47.016	54.000	AVERAGE
5		7250.000	5.549	43.591	49.140	-4.860	54.000	AVERAGE
6		7743.060	6.493	43.646	50.139	-3.861	54.000	AVERAGE
7		7750.000	6.505	43.708	50.213	-3.787	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:27**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

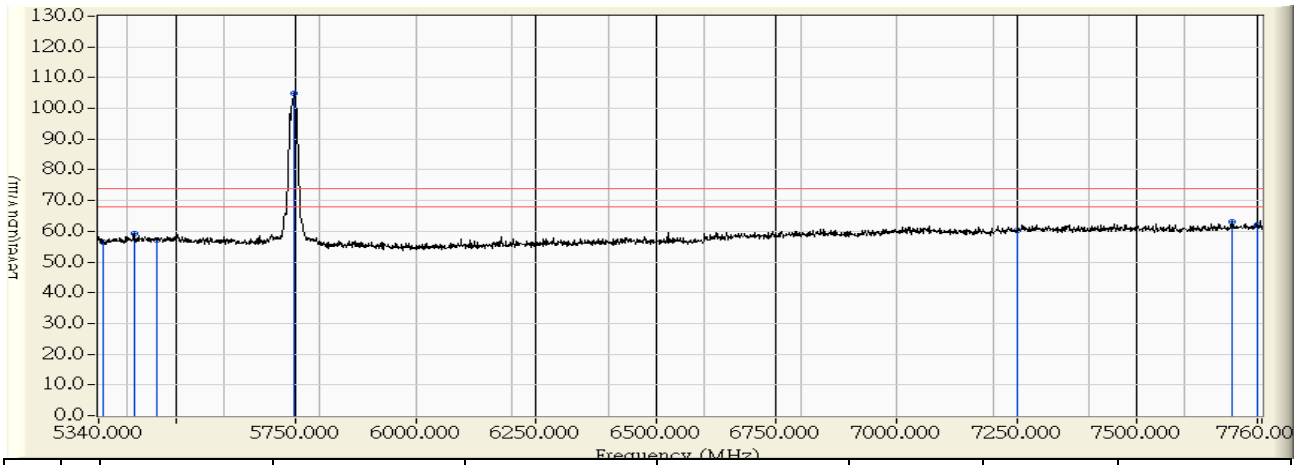


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5715.000	2.728	53.380	56.108	-12.192	68.300	PEAK
2		5724.750	2.691	60.075	62.766	-15.534	78.300	PEAK
3		5725.000	2.690	58.712	61.402	-16.898	78.300	PEAK
4		5746.500	2.607	102.248	104.855	-20.445	125.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:27**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

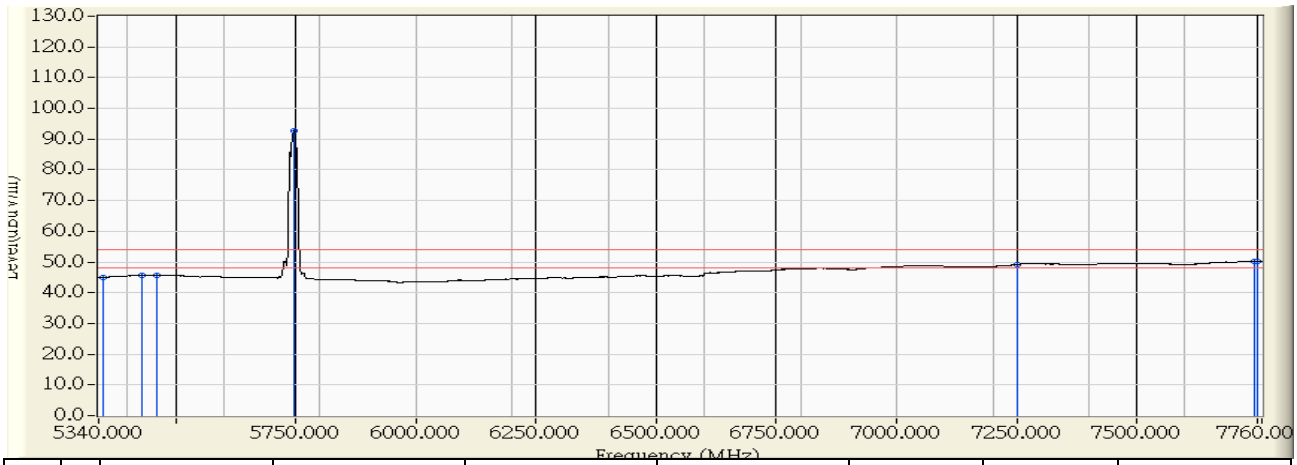


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	53.609	56.399	-17.601	74.000	PEAK
2		5415.020	3.294	55.787	59.081	-14.919	74.000	PEAK
3		5460.000	3.622	53.496	57.118	-16.882	74.000	PEAK
4	*	5746.560	2.607	102.249	104.855	30.855	74.000	PEAK
5		7250.000	5.549	54.591	60.140	-13.860	74.000	PEAK
6		7698.290	6.416	56.795	63.211	-10.789	74.000	PEAK
7		7750.000	6.505	55.424	61.929	-12.071	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:31**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

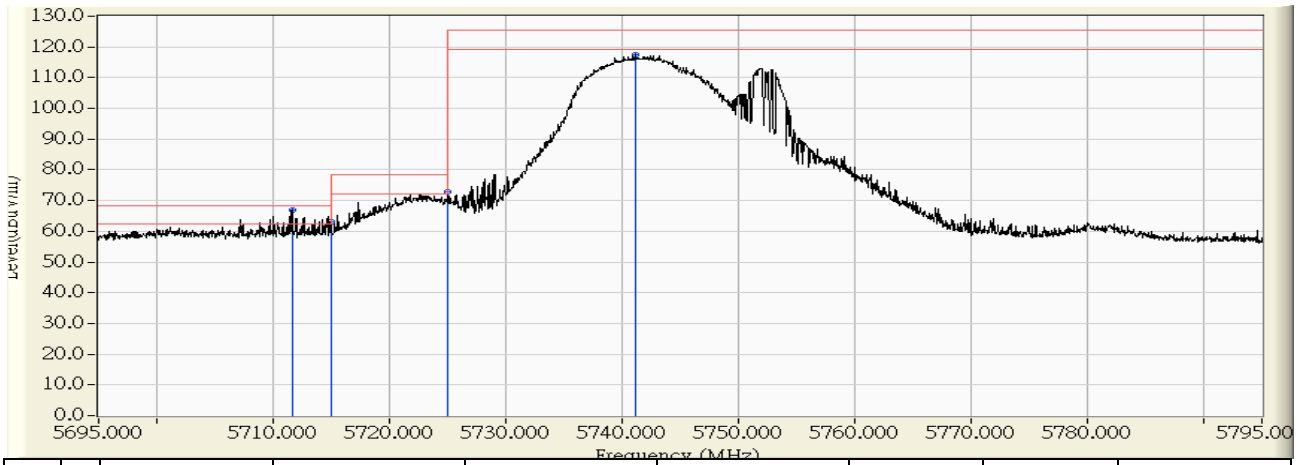


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.205	44.995	-9.005	54.000	AVERAGE
2		5430.750	3.416	42.374	45.790	-8.210	54.000	AVERAGE
3		5460.000	3.622	42.069	45.691	-8.309	54.000	AVERAGE
4	*	5746.560	2.607	90.056	92.662	38.662	54.000	AVERAGE
5		7250.000	5.549	43.602	49.151	-4.849	54.000	AVERAGE
6		7743.060	6.493	43.691	50.184	-3.816	54.000	AVERAGE
7		7750.000	6.505	43.660	50.165	-3.835	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:15**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

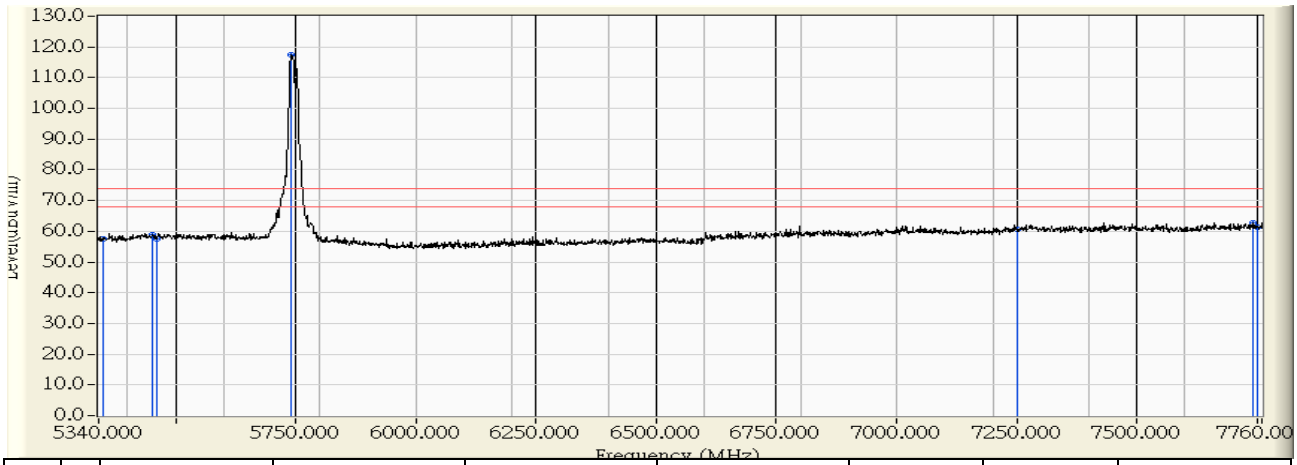


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5711.650	2.741	64.091	66.832	-1.468	68.300	PEAK
2		5715.000	2.728	60.513	63.241	-5.059	68.300	PEAK
3		5725.000	2.690	70.076	72.766	-5.534	78.300	PEAK
4		5741.100	2.628	114.760	117.388	-7.912	125.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:16**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

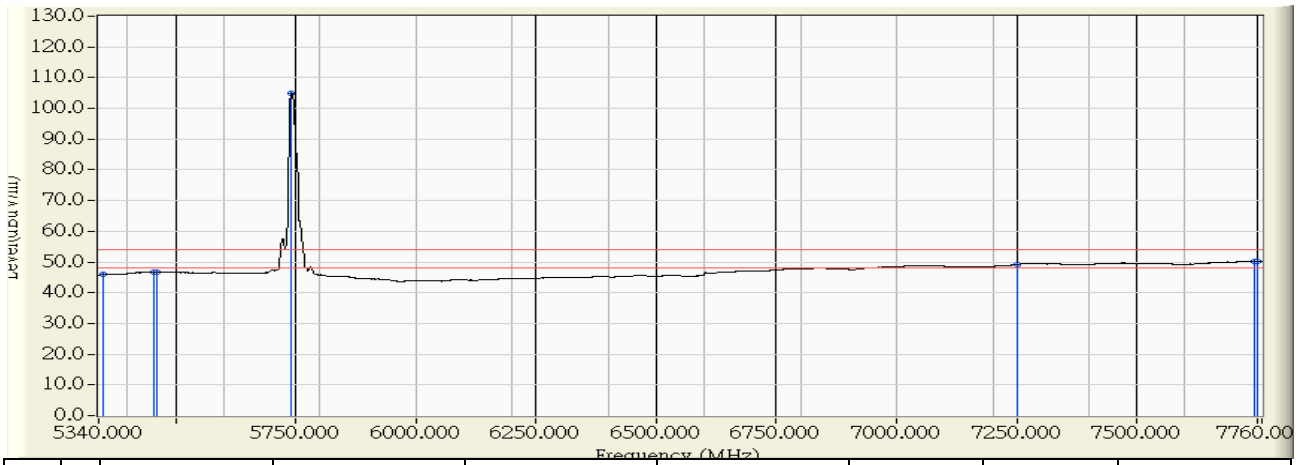


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.850	57.640	-16.360	74.000	PEAK
2		5452.530	3.585	55.208	58.793	-15.207	74.000	PEAK
3		5460.000	3.622	54.024	57.646	-16.354	74.000	PEAK
4	*	5741.720	2.625	114.761	117.386	43.386	74.000	PEAK
5		7250.000	5.549	55.196	60.745	-13.255	74.000	PEAK
6		7741.850	6.491	56.291	62.782	-11.218	74.000	PEAK
7		7750.000	6.505	54.939	61.444	-12.556	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5745MHz**

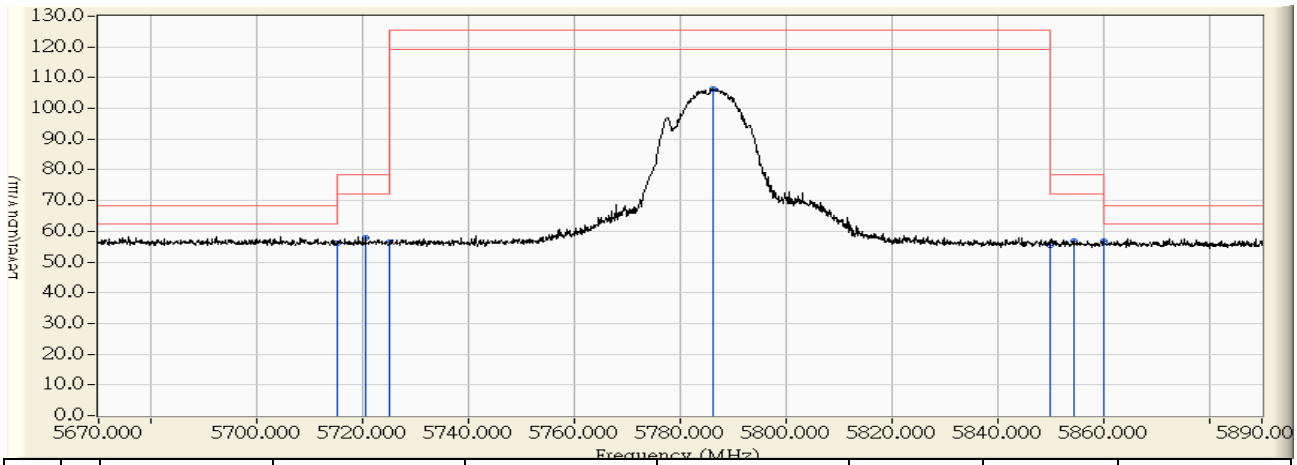


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	43.098	45.888	-8.112	54.000	AVERAGE
2		5453.740	3.594	42.941	46.535	-7.465	54.000	AVERAGE
3		5460.000	3.622	42.976	46.598	-7.402	54.000	AVERAGE
4	*	5741.720	2.625	102.434	105.059	51.059	54.000	AVERAGE
5		7250.000	5.549	43.628	49.177	-4.823	54.000	AVERAGE
6		7743.060	6.493	43.686	50.179	-3.821	54.000	AVERAGE
7		7750.000	6.505	43.688	50.193	-3.807	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:29**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

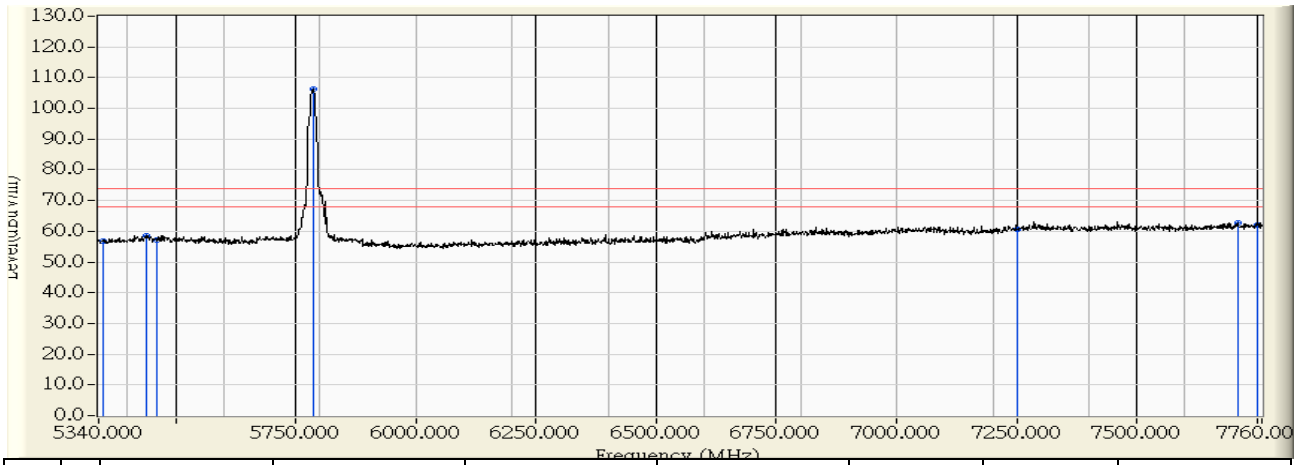


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5715.000	2.728	53.346	56.074	-12.226	68.300	PEAK
2		5720.490	2.707	55.015	57.722	-20.578	78.300	PEAK
3		5725.000	2.690	53.775	56.465	-21.835	78.300	PEAK
4		5786.160	2.453	103.872	106.326	-18.974	125.300	PEAK
5		5850.000	2.208	53.319	55.527	-22.773	78.300	PEAK
6		5854.360	2.191	54.532	56.723	-21.577	78.300	PEAK
7	*	5860.000	2.169	54.730	56.899	-11.401	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:30**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

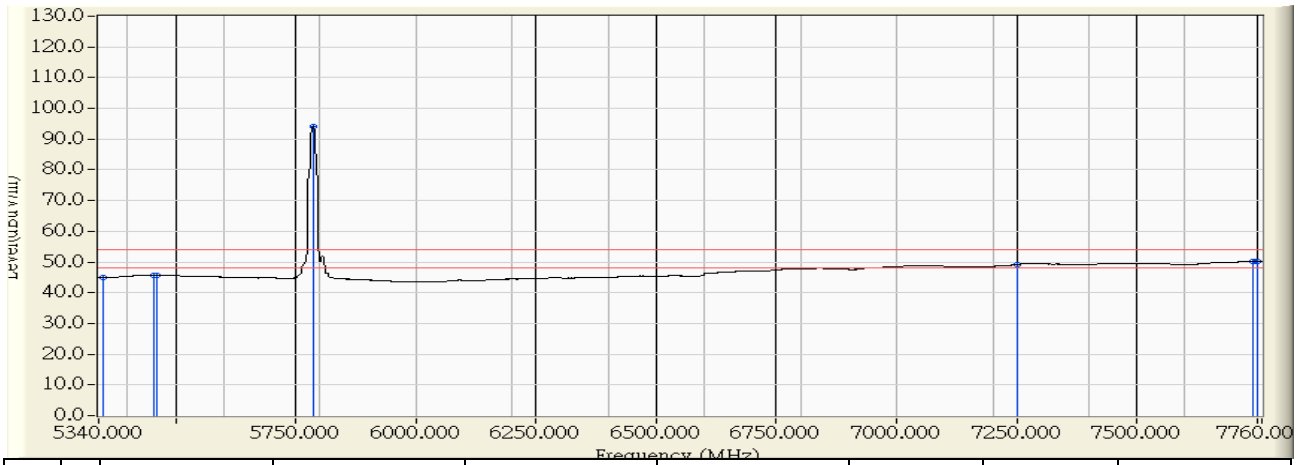


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.041	56.831	-17.169	74.000	PEAK
2		5439.220	3.482	54.914	58.396	-15.604	74.000	PEAK
3		5460.000	3.622	53.519	57.141	-16.859	74.000	PEAK
4	*	5785.280	2.457	103.872	106.329	32.329	74.000	PEAK
5		7250.000	5.549	54.962	60.511	-13.489	74.000	PEAK
6		7709.180	6.435	56.425	62.860	-11.140	74.000	PEAK
7		7750.000	6.505	55.420	61.925	-12.075	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

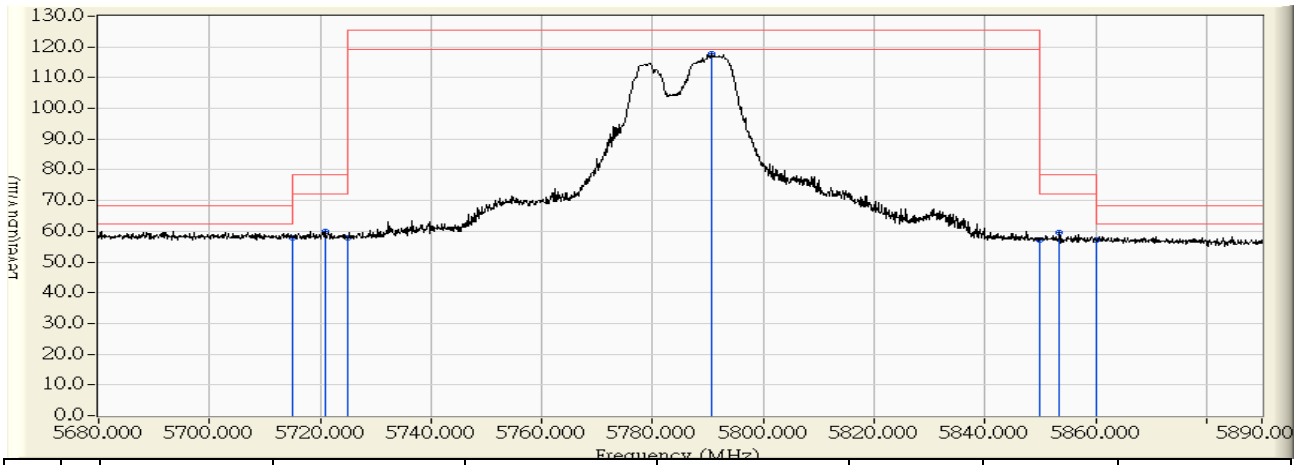


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.143	44.933	-9.067	54.000	AVERAGE
2		5453.740	3.594	42.052	45.646	-8.354	54.000	AVERAGE
3		5460.000	3.622	42.031	45.653	-8.347	54.000	AVERAGE
4	*	5786.490	2.453	91.759	94.212	40.212	54.000	AVERAGE
5		7250.000	5.549	43.606	49.155	-4.845	54.000	AVERAGE
6		7740.640	6.489	43.631	50.120	-3.880	54.000	AVERAGE
7		7750.000	6.505	43.637	50.142	-3.858	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:20**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

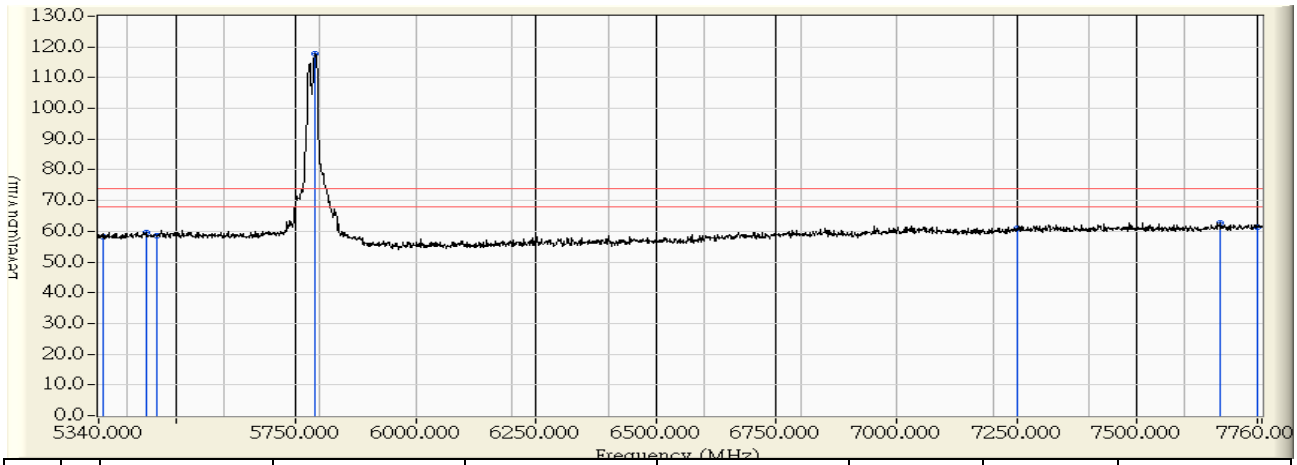


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5715.000	2.728	55.299	58.027	-10.273	68.300	PEAK
2		5720.950	2.705	57.404	60.109	-18.191	78.300	PEAK
3		5725.000	2.690	55.276	57.966	-20.334	78.300	PEAK
4	*	5790.670	2.436	115.384	117.820	-7.480	125.300	PEAK
5		5850.000	2.208	54.940	57.148	-21.152	78.300	PEAK
6		5853.460	2.194	57.422	59.616	-18.684	78.300	PEAK
7		5860.000	2.169	54.899	57.068	-11.232	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:21**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

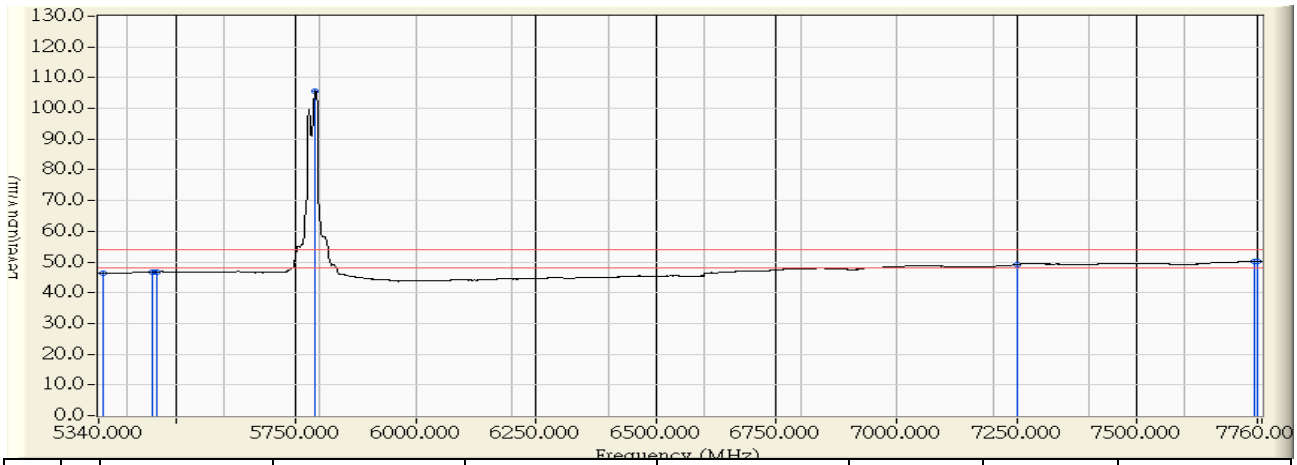


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	55.292	58.082	-15.918	74.000	PEAK
2		5439.220	3.482	55.990	59.472	-14.528	74.000	PEAK
3		5460.000	3.622	54.831	58.453	-15.547	74.000	PEAK
4	*	5790.120	2.439	115.383	117.822	43.822	74.000	PEAK
5		7250.000	5.549	55.405	60.954	-13.046	74.000	PEAK
6		7671.670	6.370	56.241	62.611	-11.389	74.000	PEAK
7		7750.000	6.505	54.912	61.417	-12.583	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 22:24**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5785MHz**

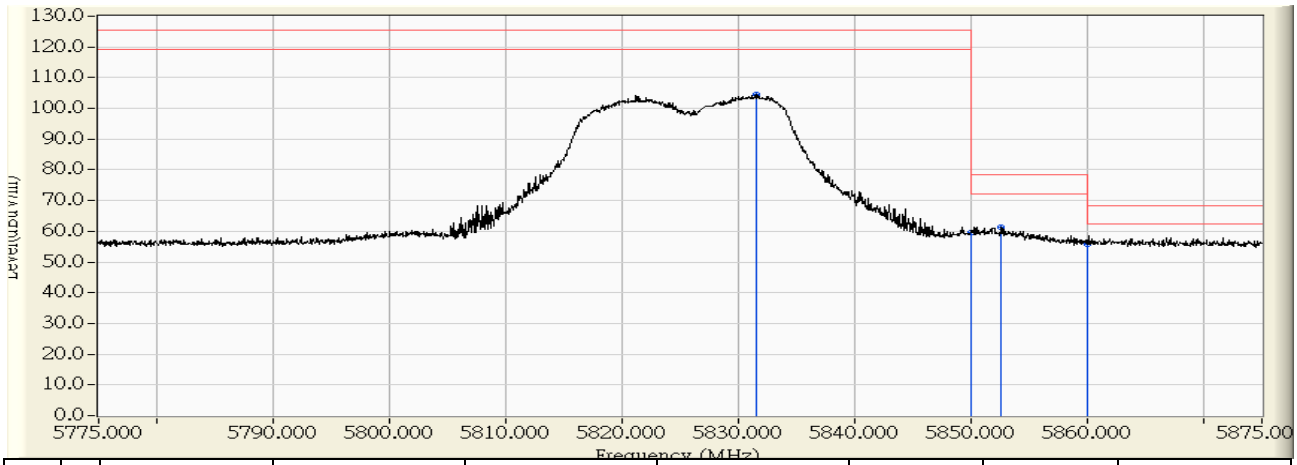


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	43.618	46.408	-7.592	54.000	AVERAGE
2		5451.320	3.575	43.018	46.594	-7.406	54.000	AVERAGE
3		5460.000	3.622	42.985	46.607	-7.393	54.000	AVERAGE
4	*	5791.330	2.434	103.275	105.709	51.709	54.000	AVERAGE
5		7250.000	5.549	43.599	49.148	-4.852	54.000	AVERAGE
6		7743.060	6.493	43.649	50.142	-3.858	54.000	AVERAGE
7		7750.000	6.505	43.661	50.166	-3.834	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/07 - 00:11**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

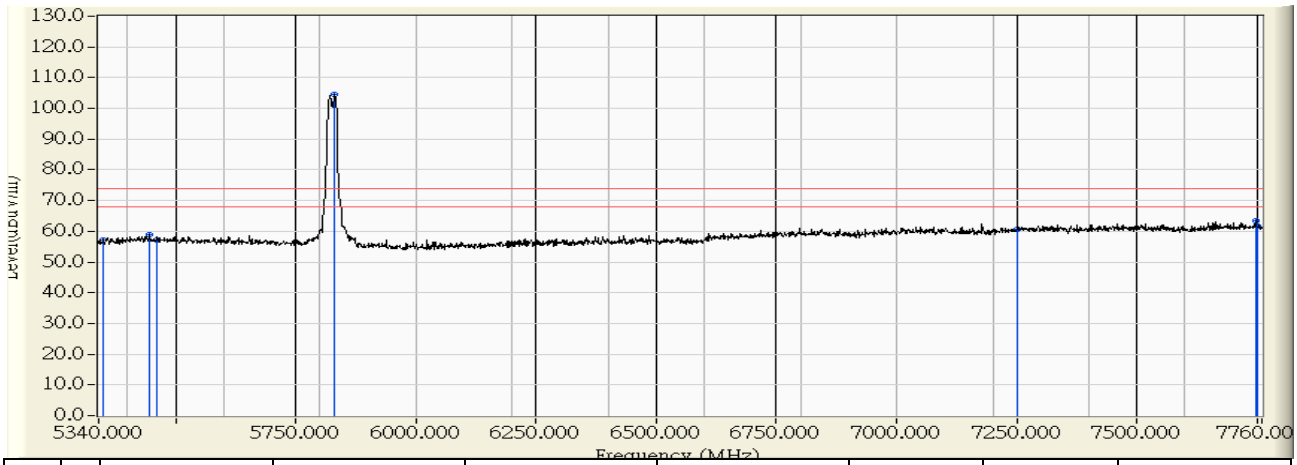


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5831.550	2.279	102.253	104.532	-20.768	125.300	PEAK
2		5850.000	2.208	57.452	59.660	-18.640	78.300	PEAK
3		5852.550	2.198	59.223	61.421	-16.879	78.300	PEAK
4	*	5860.000	2.169	53.558	55.727	-12.573	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/07 - 00:12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

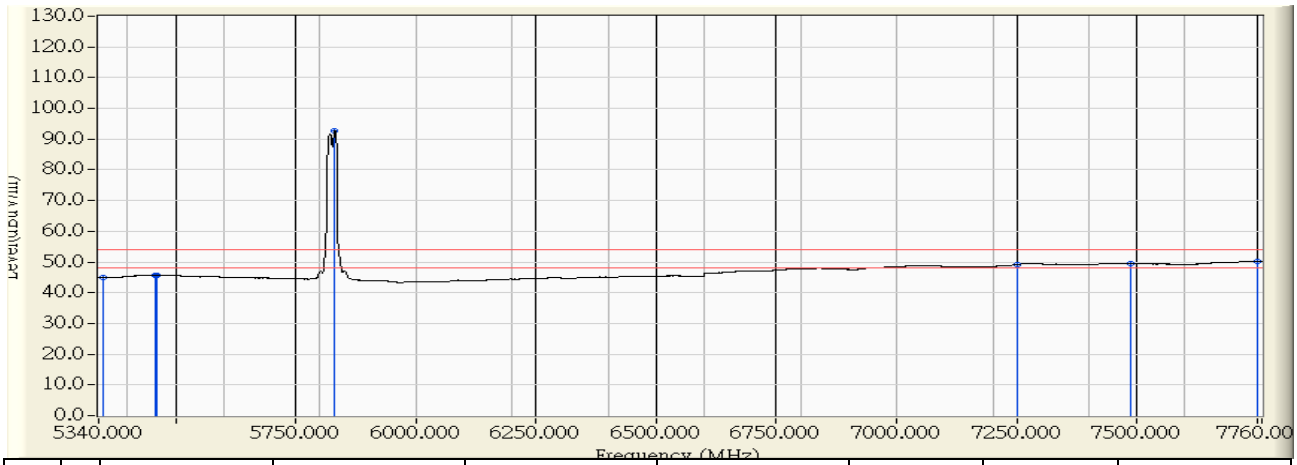


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.313	57.103	-16.897	74.000	PEAK
2		5445.270	3.529	55.395	58.924	-15.076	74.000	PEAK
3		5460.000	3.622	53.474	57.096	-16.904	74.000	PEAK
4	*	5831.260	2.280	102.253	104.533	30.533	74.000	PEAK
5		7250.000	5.549	54.969	60.518	-13.482	74.000	PEAK
6		7747.900	6.501	56.839	63.340	-10.660	74.000	PEAK
7		7750.000	6.505	55.079	61.584	-12.416	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/07 - 00:16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

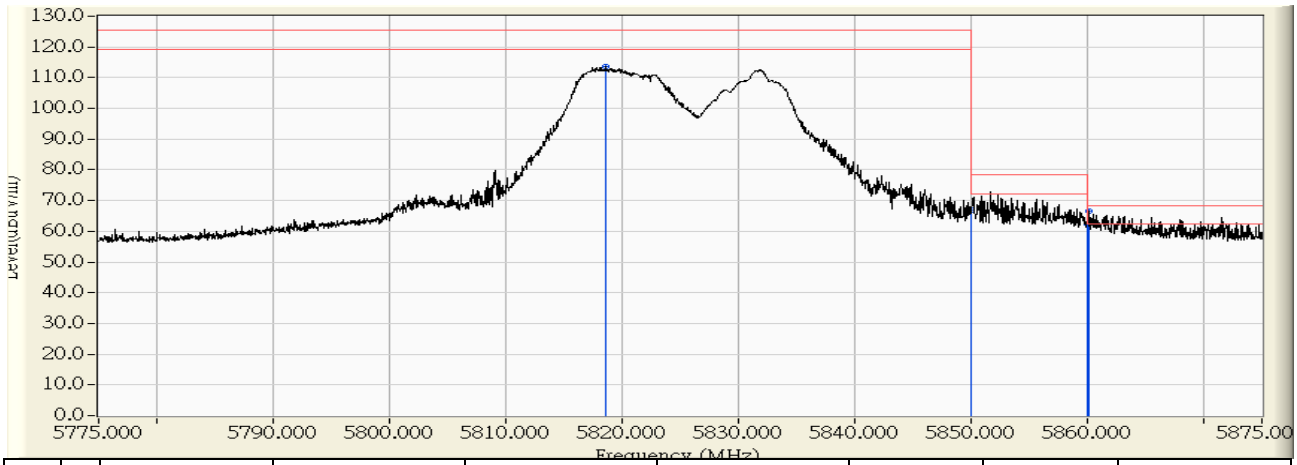


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.144	44.934	-9.066	54.000	AVERAGE
2		5457.370	3.611	42.062	45.673	-8.327	54.000	AVERAGE
3		5460.000	3.622	42.021	45.643	-8.357	54.000	AVERAGE
4	*	5831.260	2.280	90.381	92.661	38.661	54.000	AVERAGE
5		7250.000	5.549	43.567	49.116	-4.884	54.000	AVERAGE
6		7486.540	6.052	43.518	49.569	-4.431	54.000	AVERAGE
7		7750.000	6.505	43.664	50.169	-3.831	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:59**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

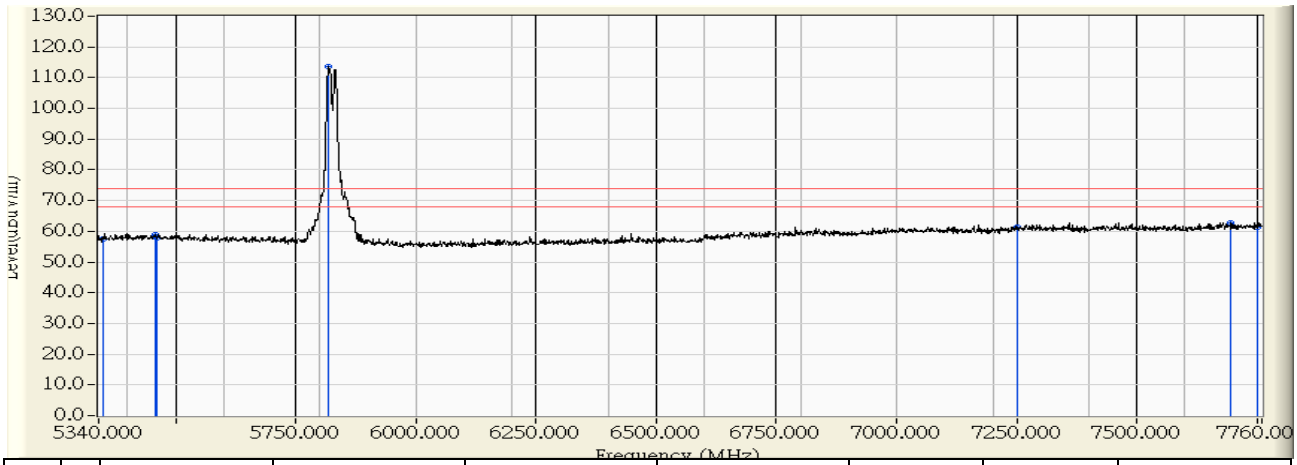


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5818.600	2.329	111.235	113.564	-11.736	125.300	PEAK
2		5850.000	2.208	64.862	67.070	-11.230	78.300	PEAK
3		5860.000	2.169	60.068	62.237	-6.063	68.300	PEAK
4	*	5860.150	2.168	64.406	66.575	-1.725	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/07 - 00:00**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

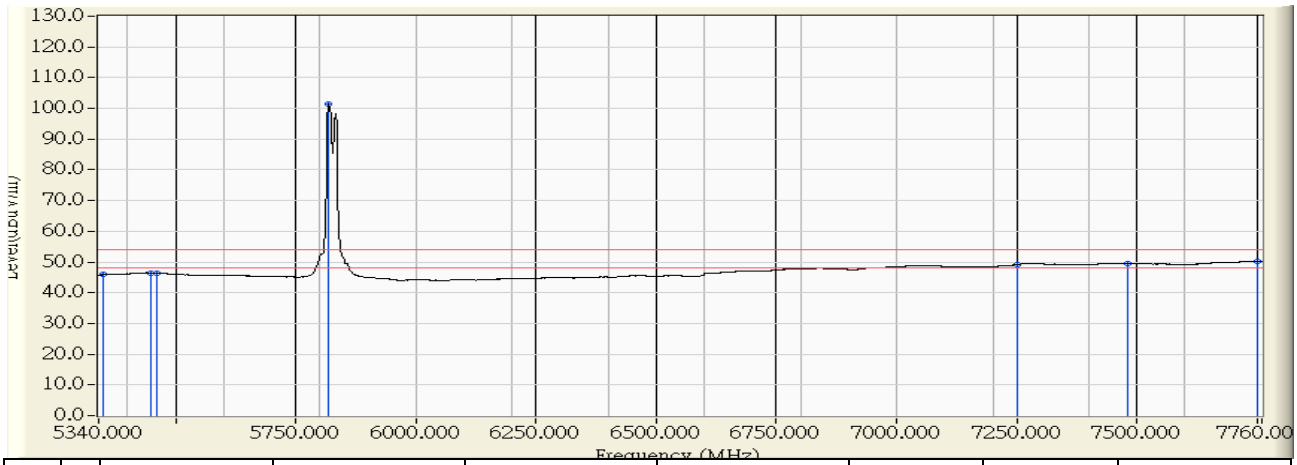


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.878	57.668	-16.332	74.000	PEAK
2		5457.370	3.611	55.189	58.800	-15.200	74.000	PEAK
3		5460.000	3.622	54.217	57.839	-16.161	74.000	PEAK
4	*	5819.160	2.326	111.234	113.561	39.561	74.000	PEAK
5		7250.000	5.549	55.688	61.237	-12.763	74.000	PEAK
6		7694.660	6.409	56.314	62.724	-11.276	74.000	PEAK
7		7750.000	6.505	54.760	61.265	-12.735	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/07 - 00:04**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(20M) 5825MHz**

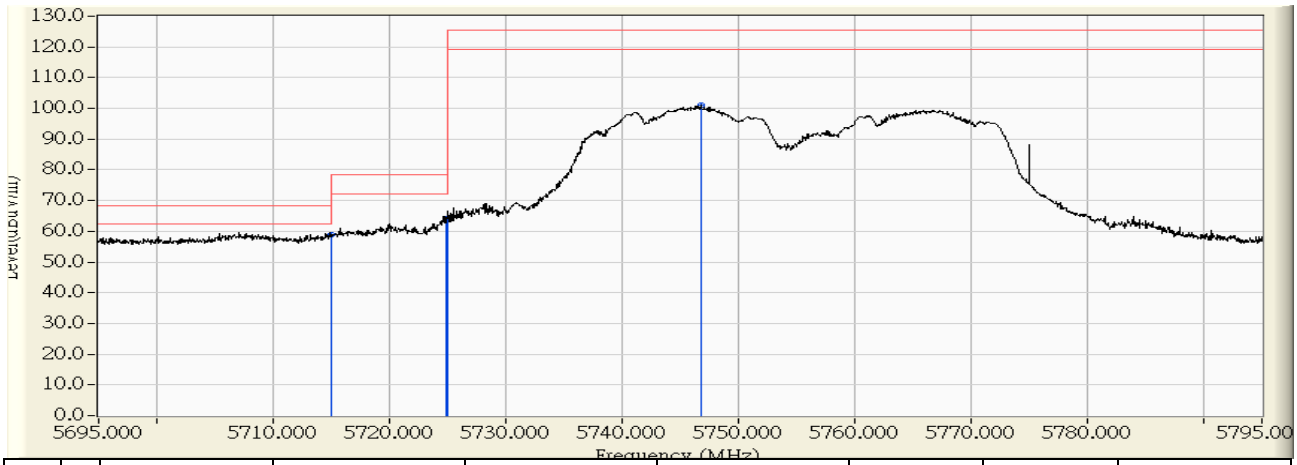


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	43.089	45.879	-8.121	54.000	AVERAGE
2		5447.690	3.548	42.774	46.321	-7.679	54.000	AVERAGE
3		5460.000	3.622	42.618	46.240	-7.760	54.000	AVERAGE
4	*	5817.950	2.331	99.032	101.363	47.363	54.000	AVERAGE
5		7250.000	5.549	43.570	49.119	-4.881	54.000	AVERAGE
6		7479.280	6.039	43.534	49.573	-4.427	54.000	AVERAGE
7		7750.000	6.505	43.614	50.119	-3.881	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:58**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

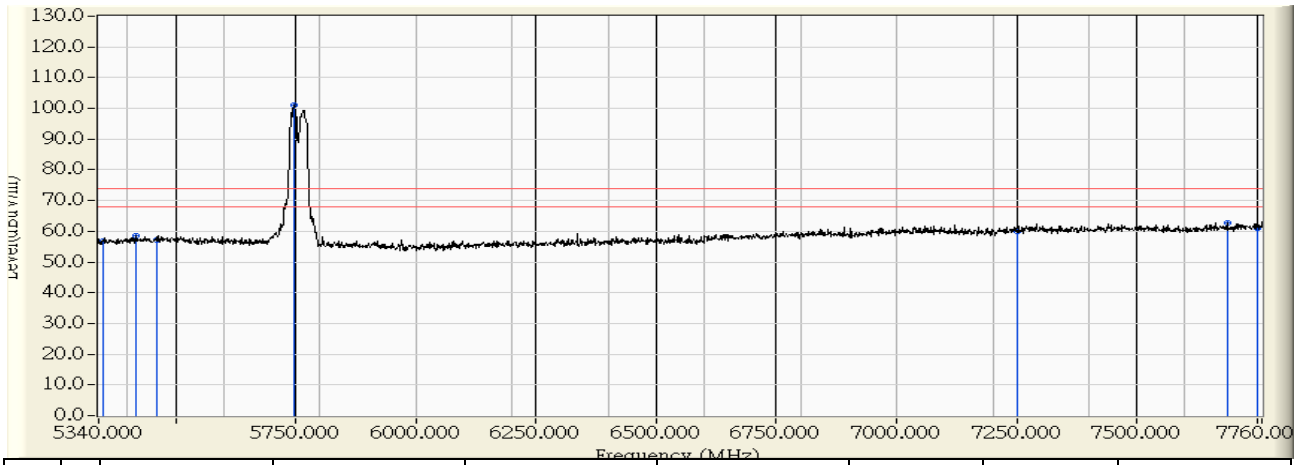


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5715.000	2.728	56.107	58.835	-9.465	68.300	PEAK
2		5724.900	2.690	61.069	63.759	-14.541	78.300	PEAK
3		5725.000	2.690	61.557	64.247	-14.053	78.300	PEAK
4		5746.750	2.606	98.375	100.981	-24.319	125.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

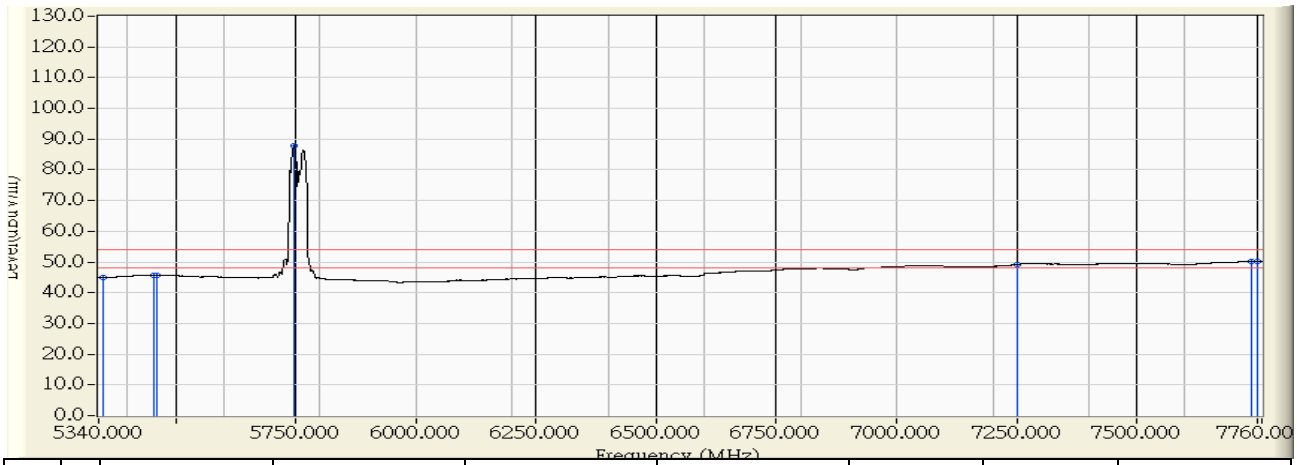


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	53.994	56.784	-17.216	74.000	PEAK
2		5418.650	3.322	55.244	58.566	-15.434	74.000	PEAK
3		5460.000	3.622	53.466	57.088	-16.912	74.000	PEAK
4	*	5746.560	2.607	98.376	100.982	26.982	74.000	PEAK
5		7250.000	5.549	54.325	59.874	-14.126	74.000	PEAK
6		7687.400	6.398	56.175	62.572	-11.428	74.000	PEAK
7		7750.000	6.505	54.614	61.119	-12.881	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:02**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

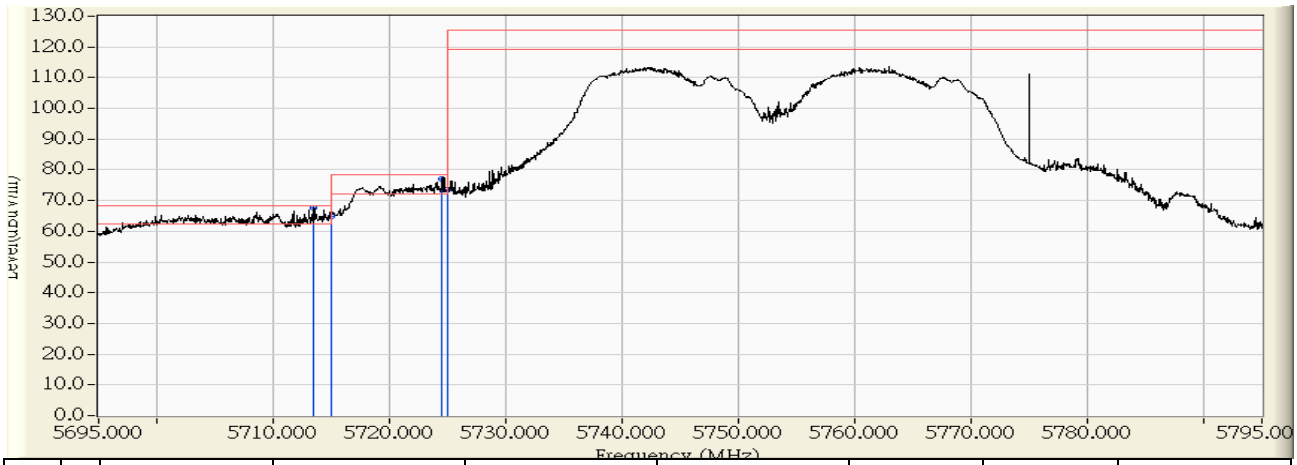


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.168	44.958	-9.042	54.000	AVERAGE
2		5453.740	3.594	42.057	45.651	-8.349	54.000	AVERAGE
3		5460.000	3.622	42.016	45.638	-8.362	54.000	AVERAGE
4	*	5746.560	2.607	85.091	87.697	33.697	54.000	AVERAGE
5		7250.000	5.549	43.590	49.139	-4.861	54.000	AVERAGE
6		7737.010	6.482	43.647	50.130	-3.870	54.000	AVERAGE
7		7750.000	6.505	43.676	50.181	-3.819	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:41**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

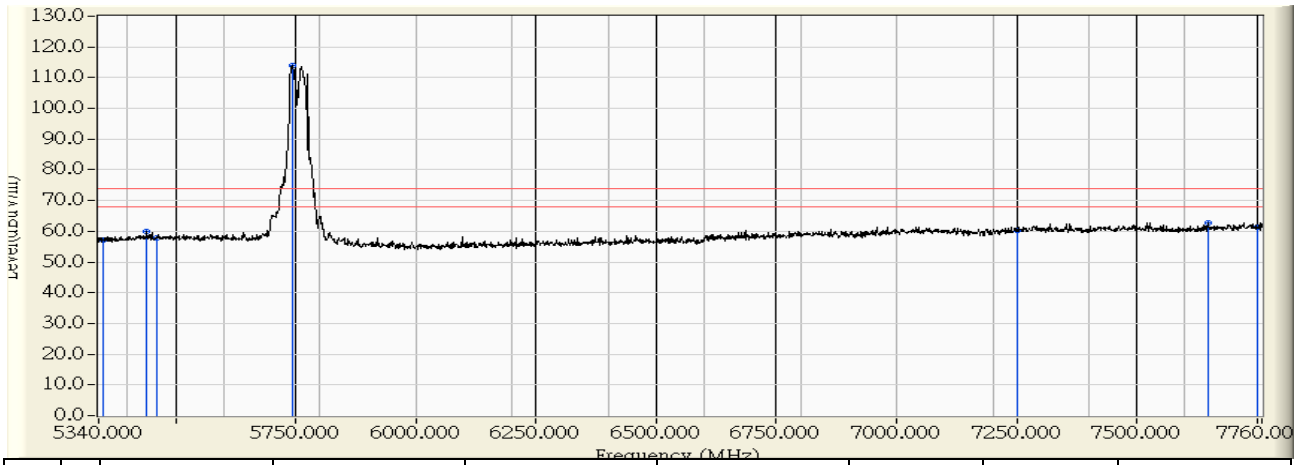


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5713.400	2.734	64.905	67.639	-0.661	68.300	PEAK
2		5715.000	2.728	62.096	64.824	-3.476	68.300	PEAK
3		5724.550	2.692	74.501	77.192	-1.108	78.300	PEAK
4		5725.000	2.690	70.933	73.623	-4.677	78.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:41**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

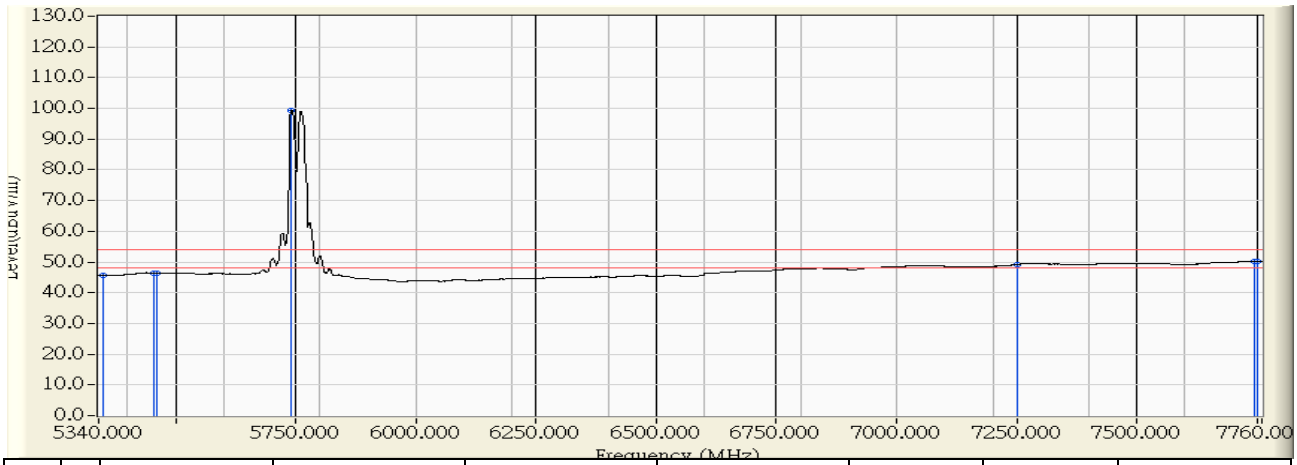


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	37.367	54.378	57.168	-16.832	74.000	PEAK
2		5439.220	3.482	56.589	60.071	-13.929	74.000	PEAK
3		5460.000	38.220	54.244	57.866	-16.134	74.000	PEAK
4	*	5742.930	37.220	111.485	114.105	40.105	74.000	PEAK
5		7250.000	40.306	54.747	60.296	-13.704	74.000	PEAK
6		7648.680	6.330	56.397	62.727	-11.273	74.000	PEAK
7		7750.000	41.305	54.764	61.269	-12.731	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 20:45**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5755MHz**

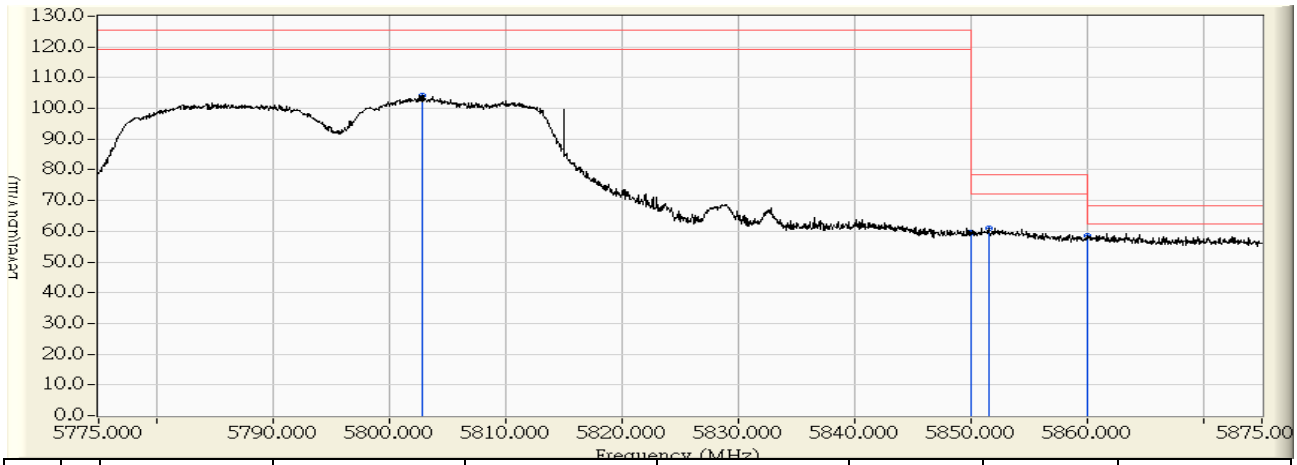


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.860	45.650	-8.350	54.000	AVERAGE
2		5453.740	3.594	42.745	46.339	-7.661	54.000	AVERAGE
3		5460.000	3.622	42.674	46.296	-7.704	54.000	AVERAGE
4	*	5741.720	2.625	96.825	99.450	45.450	54.000	AVERAGE
5		7250.000	5.549	43.604	49.153	-4.847	54.000	AVERAGE
6		7743.060	6.493	43.657	50.150	-3.850	54.000	AVERAGE
7		7750.000	6.505	43.635	50.140	-3.860	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:11**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

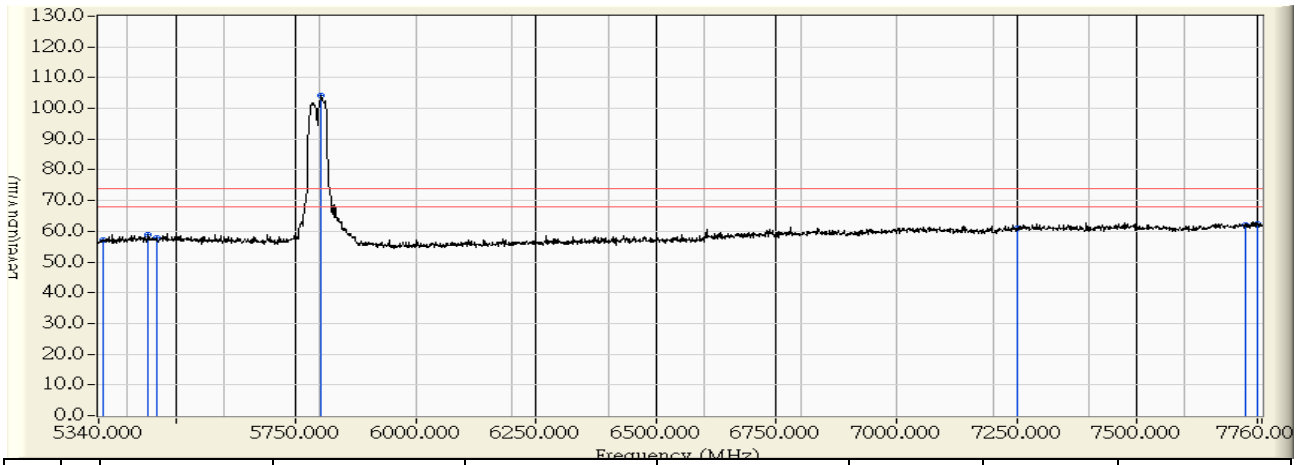


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5802.850	2.390	101.927	104.317	-20.983	125.300	PEAK
2		5850.000	2.208	57.563	59.771	-18.529	78.300	PEAK
3		5851.500	2.202	58.797	60.999	-17.301	78.300	PEAK
4	*	5860.000	2.169	56.332	58.501	-9.799	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

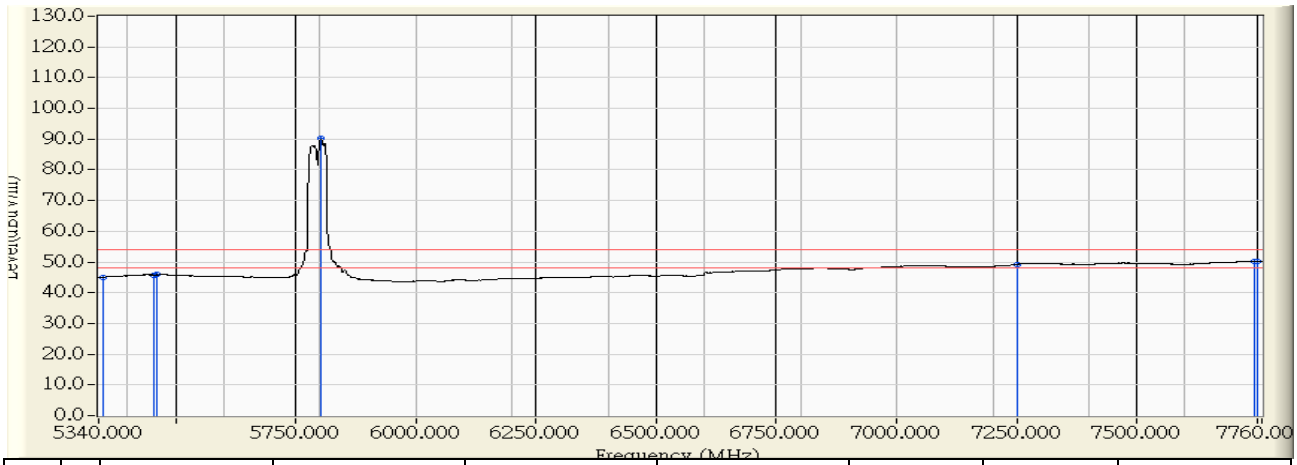


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.276	57.066	-16.934	74.000	PEAK
2		5442.850	3.511	55.300	58.810	-15.190	74.000	PEAK
3		5460.000	3.622	54.162	57.784	-16.216	74.000	PEAK
4	*	5803.430	2.387	101.928	104.315	30.315	74.000	PEAK
5		7250.000	5.549	55.400	60.949	-13.051	74.000	PEAK
6		7724.910	6.462	55.569	62.031	-11.969	74.000	PEAK
7		7750.000	6.505	55.786	62.291	-11.709	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:16**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

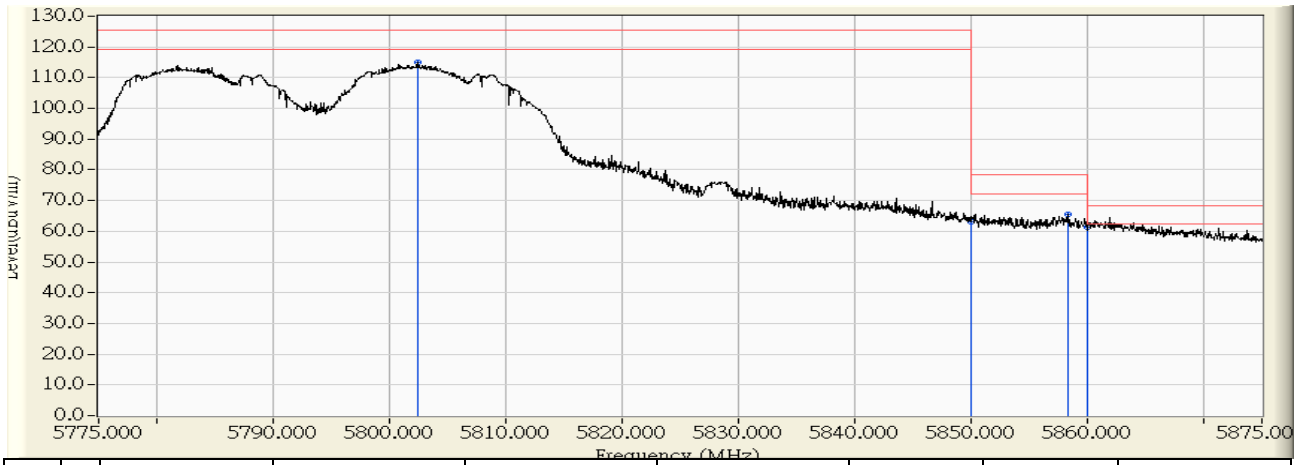


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.295	45.085	-8.915	54.000	AVERAGE
2		5453.740	3.594	42.220	45.814	-8.186	54.000	AVERAGE
3		5460.000	3.622	42.216	45.838	-8.162	54.000	AVERAGE
4	*	5802.220	2.392	87.702	90.094	36.094	54.000	AVERAGE
5		7250.000	5.549	43.620	49.169	-4.831	54.000	AVERAGE
6		7743.060	6.493	43.692	50.185	-3.815	54.000	AVERAGE
7		7750.000	6.505	43.705	50.210	-3.790	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:00**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

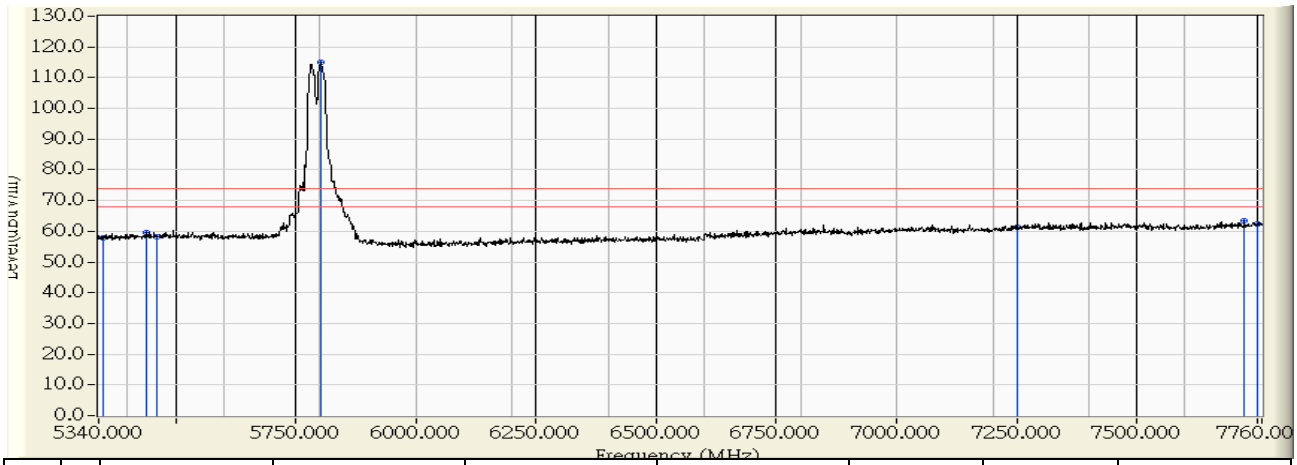


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5802.500	2.391	112.650	115.041	-10.259	125.300	PEAK
2		5850.000	2.208	60.721	62.929	-15.371	78.300	PEAK
3		5858.300	2.176	63.307	65.483	-12.817	78.300	PEAK
4	*	5860.000	2.169	59.093	61.262	-7.038	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:01**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

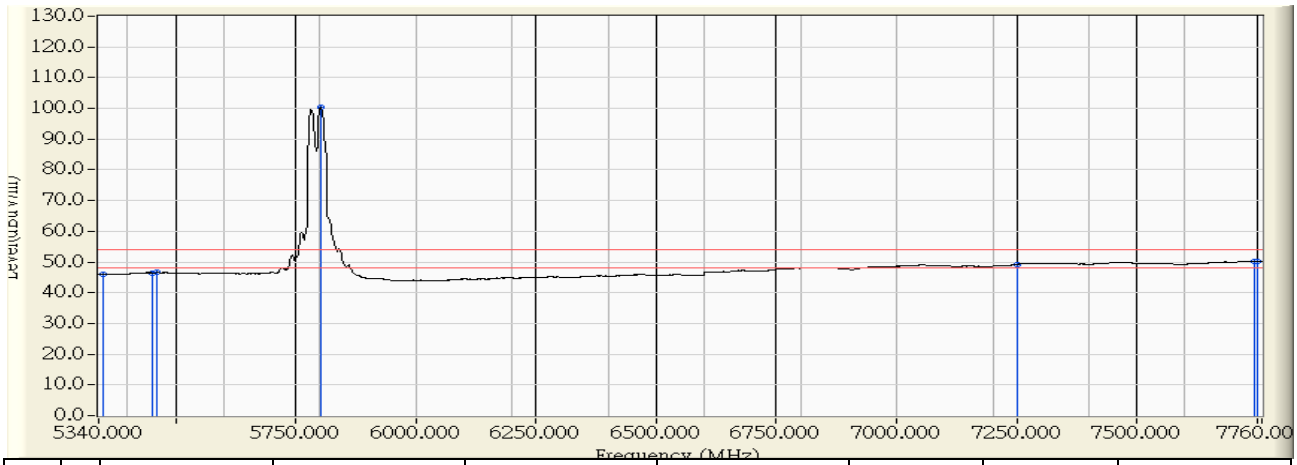


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	55.107	57.897	-16.103	74.000	PEAK
2		5440.430	3.491	56.115	59.606	-14.394	74.000	PEAK
3		5460.000	3.622	54.506	58.128	-15.872	74.000	PEAK
4	*	5802.220	2.392	112.650	115.042	41.042	74.000	PEAK
5		7250.000	5.549	55.747	61.296	-12.704	74.000	PEAK
6		7723.700	6.459	56.972	63.432	-10.568	74.000	PEAK
7		7750.000	6.505	55.836	62.341	-11.659	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 23:05**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11n(40M) 5795MHz**

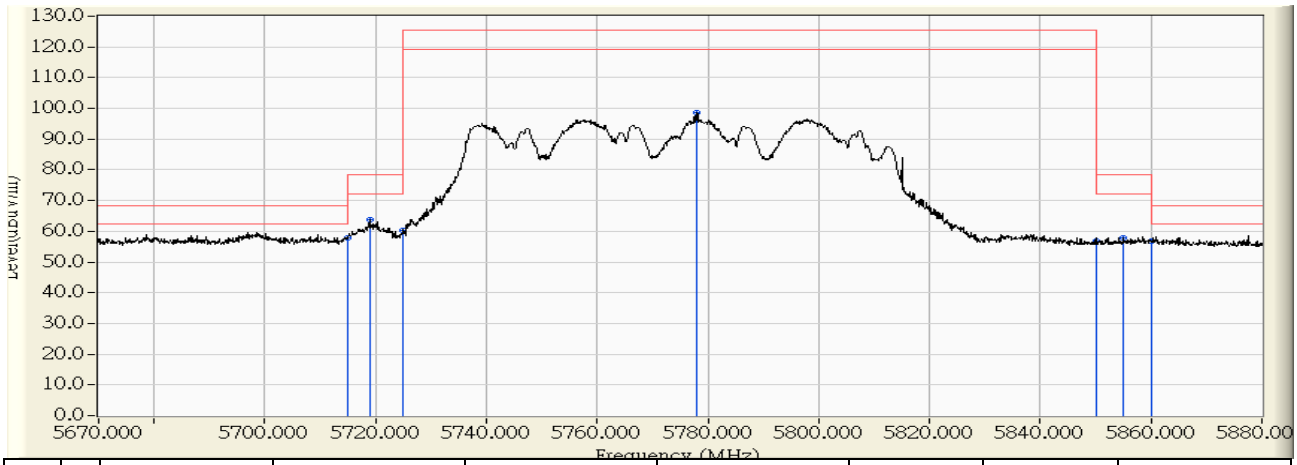


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	43.142	45.932	-8.068	54.000	AVERAGE
2		5451.320	3.575	42.922	46.498	-7.502	54.000	AVERAGE
3		5460.000	3.622	42.940	46.562	-7.438	54.000	AVERAGE
4	*	5802.220	2.392	97.876	100.268	46.268	54.000	AVERAGE
5		7250.000	5.549	43.634	49.183	-4.817	54.000	AVERAGE
6		7743.060	6.493	43.690	50.183	-3.817	54.000	AVERAGE
7		7750.000	6.505	43.713	50.218	-3.782	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:27**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

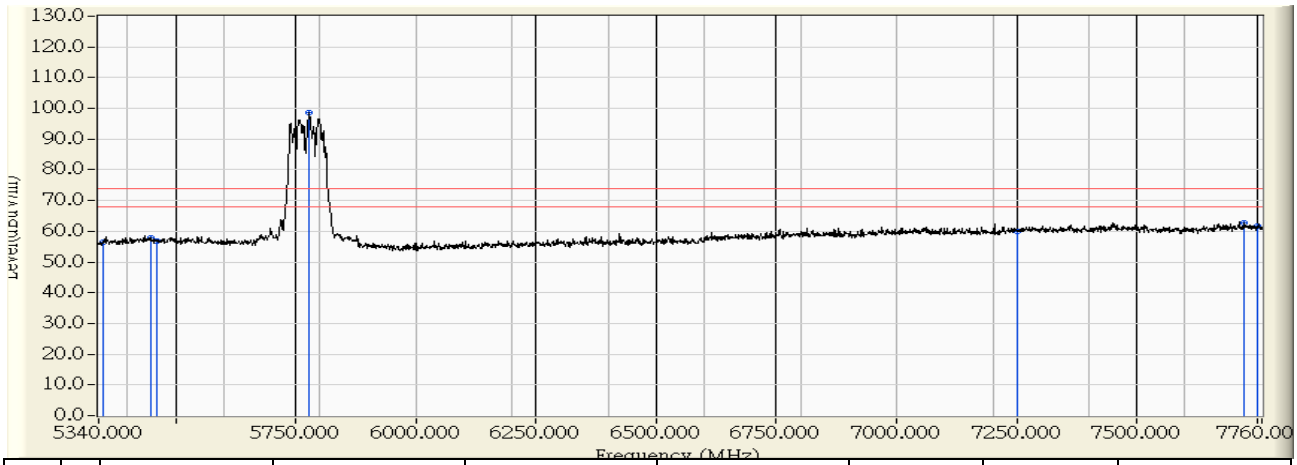


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5715.000	2.728	54.981	57.709	-10.591	68.300	PEAK
2		5718.930	2.713	61.151	63.864	-14.436	78.300	PEAK
3		5725.000	2.690	57.770	60.460	-17.840	78.300	PEAK
4		5778.045	2.485	95.977	98.462	-26.838	125.300	PEAK
5		5850.000	2.208	54.542	56.750	-21.550	78.300	PEAK
6		5855.010	2.188	55.686	57.874	-20.426	78.300	PEAK
7		5860.000	2.169	54.532	56.701	-11.599	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:28**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

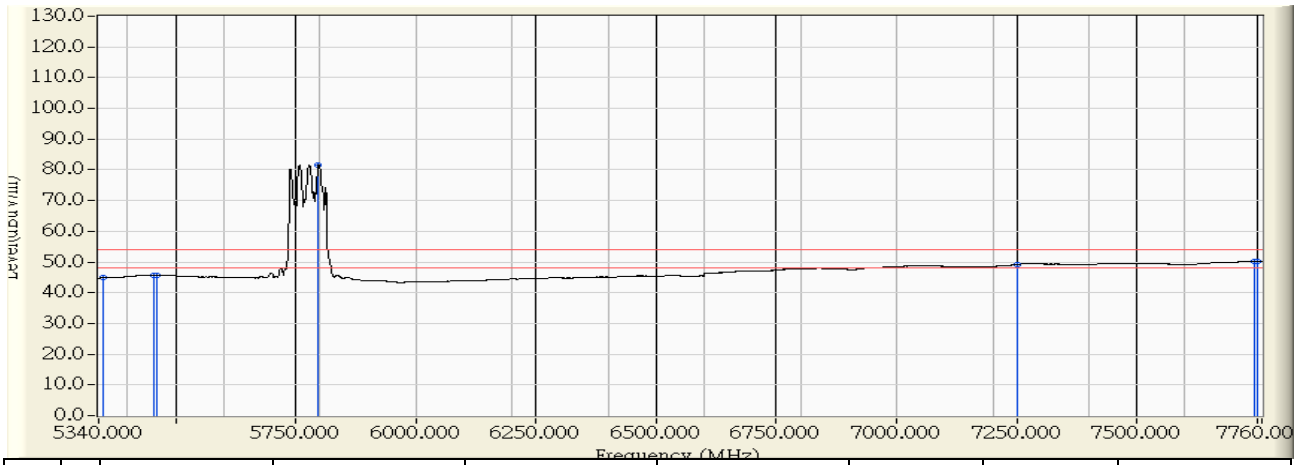


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	53.844	56.634	-17.366	74.000	PEAK
2		5448.900	3.556	54.316	57.873	-16.127	74.000	PEAK
3		5460.000	3.622	53.239	56.861	-17.139	74.000	PEAK
4	*	5778.020	2.485	95.977	98.462	24.462	74.000	PEAK
5		7250.000	5.549	54.554	60.103	-13.897	74.000	PEAK
6		7721.280	6.455	56.156	62.612	-11.388	74.000	PEAK
7		7750.000	6.505	55.120	61.625	-12.375	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:32**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

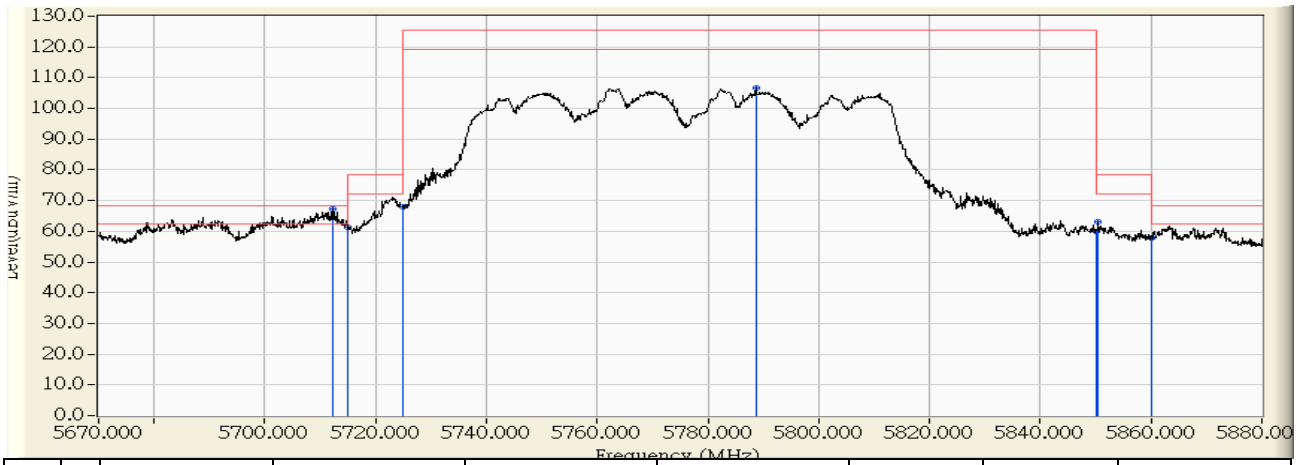


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.085	44.875	-9.125	54.000	AVERAGE
2		5453.740	3.594	41.968	45.562	-8.438	54.000	AVERAGE
3		5460.000	3.622	41.980	45.602	-8.398	54.000	AVERAGE
4	*	5797.380	2.410	79.125	81.536	27.536	54.000	AVERAGE
5		7250.000	5.549	43.623	49.172	-4.828	54.000	AVERAGE
6		7743.060	6.493	43.628	50.121	-3.879	54.000	AVERAGE
7		7750.000	6.505	43.655	50.160	-3.840	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:11**
Limit : FCC_SPARTE_15.407_H_Band4_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

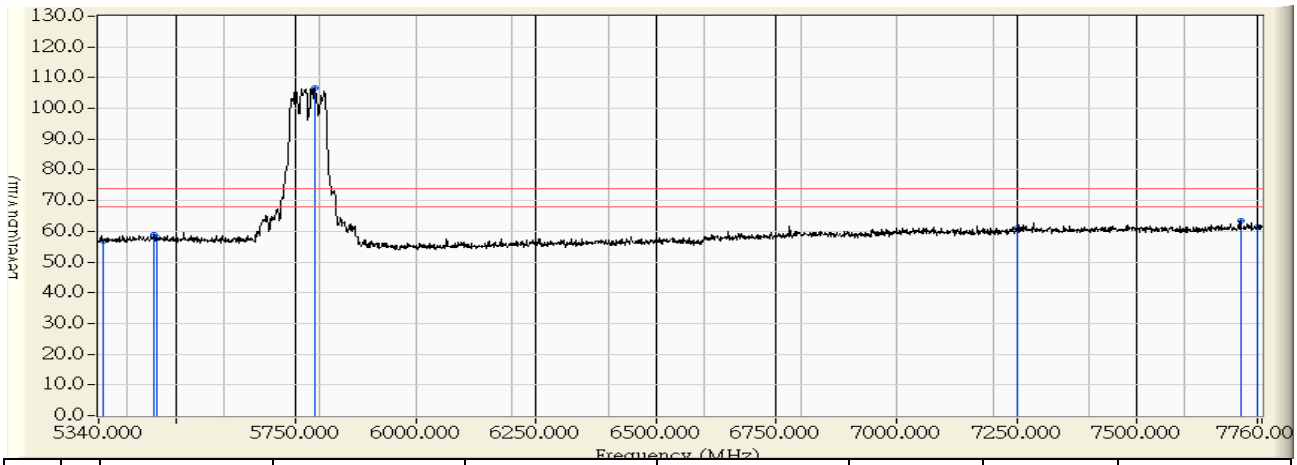


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	5712.210	2.739	64.546	67.285	-1.015	68.300	PEAK
2		5715.000	2.728	58.559	61.287	-7.013	68.300	PEAK
3		5725.000	2.690	65.236	67.926	-10.374	78.300	PEAK
4		5788.650	2.444	104.073	106.517	-18.783	125.300	PEAK
5		5850.000	2.208	57.592	59.800	-18.500	78.300	PEAK
6		5850.390	2.206	60.807	63.013	-15.287	78.300	PEAK
7		5860.000	2.169	55.620	57.789	-10.511	68.300	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**

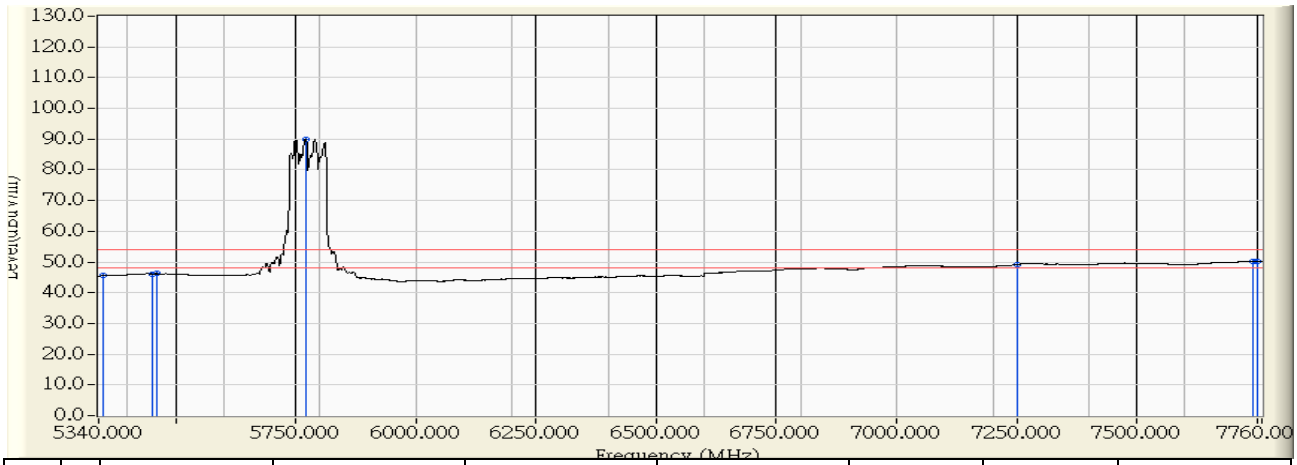


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	54.183	56.973	-17.027	74.000	PEAK
2		5456.160	3.606	55.328	58.934	-15.066	74.000	PEAK
3		5460.000	3.622	54.099	57.721	-16.279	74.000	PEAK
4	*	5788.910	2.443	104.164	106.607	32.607	74.000	PEAK
5		7250.000	5.549	55.520	61.069	-12.931	74.000	PEAK
6		7716.440	6.448	56.893	63.340	-10.660	74.000	PEAK
7		7750.000	6.505	54.785	61.290	-12.710	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	**Time : 2014/10/06 - 21:18**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : VDSL2 Security Firewall	**Note : 802.11ac(80M)_5775MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		5350.000	2.790	42.768	45.558	-8.442	54.000	AVERAGE
2		5451.320	3.575	42.562	46.138	-7.862	54.000	AVERAGE
3		5460.000	3.622	42.586	46.208	-7.792	54.000	AVERAGE
4	*	5770.760	2.513	87.276	89.789	35.789	54.000	AVERAGE
5		7250.000	5.549	43.598	49.147	-4.853	54.000	AVERAGE
6		7740.640	6.489	43.618	50.107	-3.893	54.000	AVERAGE
7		7750.000	6.505	43.639	50.144	-3.856	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

8. Frequency Stability

8.1. Test Equipment

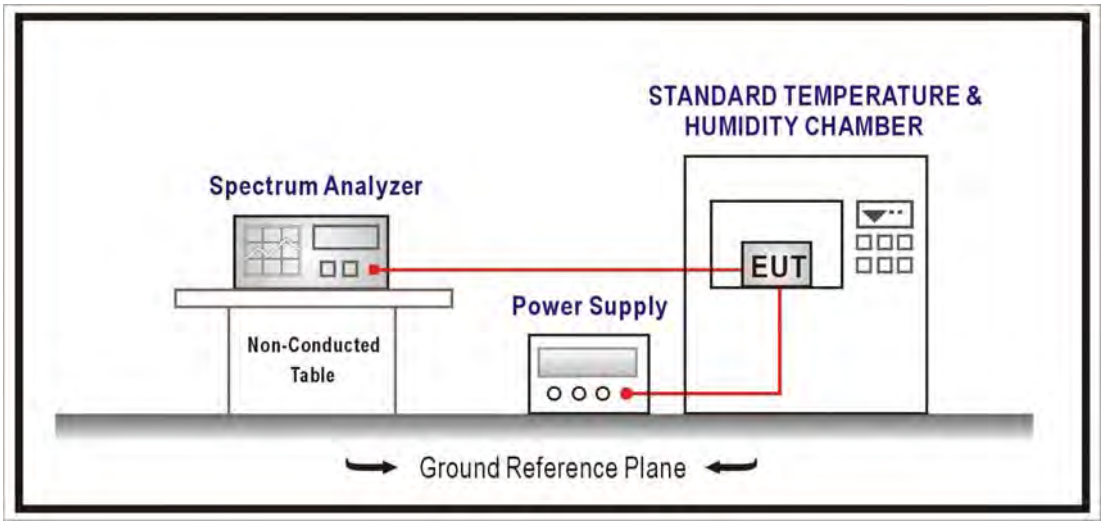
The following test equipments are used during the radiated emission tests:

Frequency Stability / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2015/07/14
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	1082101	2015/01/22

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup



8.3. Limits

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

8.4. Test Procedure

The EUT was setup to ANSI C63.10:2013; tested to U-NII test procedure of KDB 789033 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

The measurement uncertainty is defined as ± 150 Hz

8.6. Test Result

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5180MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.7703	148.7148	Pass
-10		5180.1719	33.1947	Pass
0		5180.5454	105.2941	Pass
10		5180.3474	67.0613	Pass
20		5180.0765	14.7695	Pass
30		5180.1448	27.9534	Pass
40		5180.8149	157.3207	Pass
50		5180.8975	173.2541	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.4119	79.5098	Pass
	120	5180.5798	111.9249	Pass
	138	5180.4259	82.2184	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5240MHz, ANT 0

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.7113	135.7383	Pass
-10		5240.4450	84.9142	Pass
0		5240.3344	63.8240	Pass
10		5240.3424	65.3388	Pass
20		5240.1549	29.5608	Pass
30		5240.4049	77.2721	Pass
40		5240.8903	169.9053	Pass
50		5240.7931	151.3612	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.2030	38.7439	Pass
	120	5240.4902	93.5416	Pass
	138	5240.5493	104.8334	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5180MHz ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.1933	37.3172	Pass
-10		5180.3902	75.3215	Pass
0		5180.3600	69.4886	Pass
10		5180.4392	84.7814	Pass
20		5180.7892	152.3489	Pass
30		5180.5154	99.5033	Pass
40		5180.1987	38.3628	Pass
50		5180.3519	67.9363	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.5858	113.0812	Pass
	120	5180.0251	4.8487	Pass
	138	5180.5695	109.9469	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5240MHz ANT 1

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.8214	156.7526	Pass
-10		5240.2462	46.9842	Pass
0		5240.5310	101.3308	Pass
10		5240.6445	122.9969	Pass
20		5240.7452	142.2185	Pass
30		5240.0545	10.3949	Pass
40		5240.2336	44.5775	Pass
50		5240.4950	94.4625	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.7551	144.0948	Pass
	120	5240.4421	84.3624	Pass
	138	5240.0895	17.0733	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5180MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.0832	16.0637	Pass
-10		5180.2833	54.6985	Pass
0		5180.5914	114.1651	Pass
10		5180.7580	146.3414	Pass
20		5180.7353	141.9406	Pass
30		5180.2058	39.7271	Pass
40		5180.2715	52.4079	Pass
50		5180.2573	49.6644	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.8853	170.9010	Pass
	120	5180.1159	22.3799	Pass
	138	5180.3239	62.5211	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5240MHz, ANT 2

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.7073	134.9867	Pass
-10		5240.6431	122.7330	Pass
0		5240.5649	107.7965	Pass
10		5240.1603	30.5955	Pass
20		5240.0212	4.0530	Pass
30		5240.3288	62.7505	Pass
40		5240.3380	64.5045	Pass
50		5240.2530	48.2812	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.4621	88.1885	Pass
	120	5240.5761	109.9366	Pass
	138	5240.1363	26.0022	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5180MHz, ANT 0

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.2046	39.5071	Pass
-10		5180.1464	28.2573	Pass
0		5180.1869	36.0881	Pass
10		5180.5989	115.6135	Pass
20		5180.1272	24.5543	Pass
30		5180.1532	29.5790	Pass
40		5180.8144	157.2294	Pass
50		5180.2271	43.8329	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.2751	53.1044	Pass
	120	5180.3248	62.6974	Pass
	138	5180.2303	44.4552	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5240MHz, ANT 0

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.1452	27.7007	Pass
-10		5240.5046	96.2976	Pass
0		5240.3874	73.9257	Pass
10		5240.5645	107.7340	Pass
20		5240.2104	40.1502	Pass
30		5240.3637	69.4013	Pass
40		5240.3215	61.3502	Pass
50		5240.1200	22.9003	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.2025	38.6441	Pass
	120	5240.4430	84.5386	Pass
	138	5240.3865	73.7590	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5180MHz, ANT 1

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.3533	68.2142	Pass
-10		5180.8043	155.2608	Pass
0		5180.4997	96.4686	Pass
10		5180.0560	10.8034	Pass
20		5180.7609	146.8935	Pass
30		5180.4786	92.3960	Pass
40		5180.6264	120.9270	Pass
50		5180.4266	82.3560	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0356	6.8673	Pass
	120	5180.7417	143.1909	Pass
	138	5180.2397	46.2704	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5240MHz, ANT 1

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.8809	168.1179	Pass
-10		5240.5258	100.3452	Pass
0		5240.2547	48.5980	Pass
10		5240.8258	157.5879	Pass
20		5240.1384	26.4064	Pass
30		5240.2499	47.6952	Pass
40		5240.0476	9.0816	Pass
50		5240.0594	11.3294	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.8158	155.6831	Pass
	120	5240.0397	7.5795	Pass
	138	5240.4952	94.5106	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5180MHz, ANT 2

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5180.3721	71.8356	Pass
-10		5180.8640	166.8022	Pass
0		5180.2572	49.6582	Pass
10		5180.6419	123.9181	Pass
20		5180.6123	118.2037	Pass
30		5180.1601	30.9089	Pass
40		5180.3127	60.3752	Pass
50		5180.8689	167.7323	Pass

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5180.0452	8.7164	Pass
	120	5180.1877	36.2329	Pass
	138	5180.4532	87.4925	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5240MHz, ANT 2

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5240.6449	123.0796	Pass
-10		5240.4292	81.9021	Pass
0		5240.0561	10.7075	Pass
10		5240.3406	64.9912	Pass
20		5240.4193	80.0283	Pass
30		5240.2096	40.0010	Pass
40		5240.3721	71.0152	Pass
50		5240.4222	80.5789	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5240.0140	2.6732	Pass
	120	5240.7777	148.4143	Pass
	138	5240.4949	94.4526	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5190MHz, ANT 0

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.6122	117.9549	Pass
-10		5190.6466	124.5791	Pass
0		5190.2446	47.1327	Pass
10		5190.3493	67.3010	Pass
20		5190.8867	170.8480	Pass
30		5190.3392	65.3633	Pass
40		5190.5222	100.6076	Pass
50		5190.8711	167.8450	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.2572	49.5541	Pass
	120	5190.3152	60.7300	Pass
	138	5190.7463	143.7932	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5230MHz, ANT 0

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.8374	160.1073	Pass
-10		5230.8383	160.2951	Pass
0		5230.7454	142.5148	Pass
10		5230.5353	102.3448	Pass
20		5230.8843	169.0760	Pass
30		5230.3863	73.8583	Pass
40		5230.3975	76.0071	Pass
50		5230.3835	73.3194	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.8746	167.2343	Pass
	120	5230.8544	163.3631	Pass
	138	5230.0440	8.4116	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5190MHz, ANT 1

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.8623	166.1550	Pass
-10		5190.5751	110.8156	Pass
0		5190.5510	106.1596	Pass
10		5190.7420	142.9599	Pass
20		5190.5204	100.2755	Pass
30		5190.2939	56.6373	Pass
40		5190.3586	69.0866	Pass
50		5190.0148	2.8594	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.8890	171.2955	Pass
	120	5190.3207	61.7886	Pass
	138	5190.4809	92.6545	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5230MHz, ANT 1

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.7297	139.5302	Pass
-10		5230.6684	127.8031	Pass
0		5230.4270	81.6428	Pass
10		5230.0772	14.7620	Pass
20		5230.5247	100.3248	Pass
30		5230.3957	75.6601	Pass
40		5230.2877	55.0016	Pass
50		5230.3877	74.1304	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.7198	137.6291	Pass
	120	5230.0610	11.6577	Pass
	138	5230.4729	90.4145	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5190MHz, ANT 2

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5190.3477	66.9939	Pass
-10		5190.5118	98.6118	Pass
0		5190.8124	156.5354	Pass
10		5190.1780	34.3054	Pass
20		5190.5023	96.7793	Pass
30		5190.6820	131.4139	Pass
40		5190.5973	115.0857	Pass
50		5190.1024	19.7389	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5190.6355	122.4488	Pass
	120	5190.0399	7.6835	Pass
	138	5190.2614	50.3572	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5230MHz, ANT 2

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5230.1127	21.5491	Pass
-10		5230.5026	96.0930	Pass
0		5230.8227	157.3030	Pass
10		5230.3777	72.2260	Pass
20		5230.1027	19.6420	Pass
30		5230.5331	101.9229	Pass
40		5230.6743	128.9364	Pass
50		5230.2164	41.3800	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5230.4601	87.9718	Pass
	120	5230.2491	47.6292	Pass
	138	5230.6639	126.9342	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11ac(80M) -5210MHz, ANT 0

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.2969	56.9893	Pass
-10		5210.2252	43.2200	Pass
0		5210.4563	87.5850	Pass
10		5210.5251	100.7876	Pass
20		5210.0006	0.1159	Pass
30		5210.0477	9.1551	Pass
40		5210.5868	112.6230	Pass
50		5210.3692	70.8546	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.0828	15.8893	Pass
	120	5210.7338	140.8354	Pass
	138	5210.2855	54.7910	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11ac(80M) -5210MHz, ANT 1

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.8801	168.9325	Pass
-10		5210.8131	156.0672	Pass
0		5210.3371	64.6947	Pass
10		5210.2297	44.0880	Pass
20		5210.4116	79.0011	Pass
30		5210.6125	117.5684	Pass
40		5210.2739	52.5649	Pass
50		5210.4604	88.3723	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.3062	58.7726	Pass
	120	5210.4882	93.7124	Pass
	138	5210.2638	50.6281	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11ac(80M) -5210MHz, ANT 2

Temperature Interval (oC)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5210.6977	133.9228	Pass
-10		5210.2484	47.6734	Pass
0		5210.8599	165.0400	Pass
10		5210.8520	163.5248	Pass
20		5210.1151	22.1013	Pass
30		5210.4003	76.8281	Pass
40		5210.4534	87.0271	Pass
50		5210.3709	71.1810	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5210.7883	151.3001	Pass
	120	5210.0812	15.5948	Pass
	138	5210.0609	11.6950	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5745MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.8790	153.0075	Pass
-10		5745.1833	31.9142	Pass
0		5745.3030	52.7445	Pass
10		5745.1012	17.6209	Pass
20		5745.5106	88.8728	Pass
30		5745.6807	118.4838	Pass
40		5745.2176	37.8817	Pass
50		5745.7618	132.6065	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.0475	8.2734	Pass
	120	5745.3006	52.3197	Pass
	138	5745.5034	87.6250	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5825MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.7366	126.4477	Pass
-10		5825.8786	150.8344	Pass
0		5825.6779	116.3693	Pass
10		5825.5929	101.7930	Pass
20		5825.2178	37.3821	Pass
30		5825.5352	91.8756	Pass
40		5825.2654	45.5664	Pass
50		5825.2047	35.1497	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.0269	4.6122	Pass
	120	5825.4218	72.4099	Pass
	138	5825.5720	98.1951	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5745MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.4079	71.0034	Pass
-10		5745.7719	134.3648	Pass
0		5745.2797	48.6938	Pass
10		5745.1497	26.0574	Pass
20		5745.7211	125.5205	Pass
30		5745.1740	30.2874	Pass
40		5745.3627	63.1277	Pass
50		5745.0384	6.6803	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.4936	85.9158	Pass
	120	5745.1467	25.5360	Pass
	138	5745.6171	107.4138	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5825MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.8381	143.8742	Pass
-10		5825.0560	9.6098	Pass
0		5825.1606	27.5656	Pass
10		5825.7784	133.6325	Pass
20		5825.8675	148.9292	Pass
30		5825.6467	111.0196	Pass
40		5825.1595	27.3765	Pass
50		5825.1307	22.4371	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.6430	110.3893	Pass
	120	5825.3296	56.5903	Pass
	138	5825.6607	113.4328	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5745MHz, ANT 2

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.0086	1.5025	Pass
-10		5745.7028	122.3374	Pass
0		5745.8356	145.4555	Pass
10		5745.5826	101.4127	Pass
20		5745.5250	91.3886	Pass
30		5745.2807	48.8626	Pass
40		5745.6778	117.9775	Pass
50		5745.4667	81.2273	Pass

Temperature Interval (^{o}C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.6187	107.6865	Pass
	120	5745.8808	153.3214	Pass
	138	5745.4223	73.5139	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11a - 5825MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.4207	72.2163	Pass
-10		5825.3315	56.9110	Pass
0		5825.2147	36.8631	Pass
10		5825.4447	76.3462	Pass
20		5825.2509	43.0685	Pass
30		5825.4959	85.1246	Pass
40		5825.3389	58.1859	Pass
50		5825.5723	98.2405	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.0002	0.0292	Pass
	120	5825.2866	49.2026	Pass
	138	5825.2355	40.4242	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5745MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.8152	141.8939	Pass
-10		5745.1178	20.4997	Pass
0		5745.0879	15.2922	Pass
10		5745.1471	25.6032	Pass
20		5745.2582	44.9384	Pass
30		5745.6414	111.6515	Pass
40		5745.2750	47.8666	Pass
50		5745.0944	16.4329	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.3348	58.2804	Pass
	120	5745.2227	38.7624	Pass
	138	5745.2832	49.2998	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5825MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.2094	35.9547	Pass
-10		5825.1364	23.4122	Pass
0		5825.7658	131.4718	Pass
10		5825.8371	143.7029	Pass
20		5825.8337	143.1253	Pass
30		5825.4803	82.4473	Pass
40		5825.0910	15.6148	Pass
50		5825.5277	90.5889	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.6364	109.2467	Pass
	120	5825.0645	11.0717	Pass
	138	5825.7693	132.0618	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5745MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.1349	23.4873	Pass
-10		5745.2142	37.2773	Pass
0		5745.5231	91.0506	Pass
10		5745.8129	141.4942	Pass
20		5745.6992	121.7037	Pass
30		5745.6603	114.9383	Pass
40		5745.6874	119.6433	Pass
50		5745.1169	20.3468	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.4313	75.0656	Pass
	120	5745.4790	83.3818	Pass
	138	5745.8035	139.8663	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5825MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.6607	113.4278	Pass
-10		5825.1540	26.4384	Pass
0		5825.2156	37.0174	Pass
10		5825.1425	24.4641	Pass
20		5825.6061	104.0523	Pass
30		5825.5597	96.0841	Pass
40		5825.6074	104.2798	Pass
50		5825.8067	138.4826	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.5978	102.6322	Pass
	120	5825.1276	21.9064	Pass
	138	5825.3231	55.4708	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5745MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5745.6383	111.1118	Pass
-10		5745.8998	156.6181	Pass
0		5745.1916	33.3508	Pass
10		5745.2152	37.4537	Pass
20		5745.1393	24.2465	Pass
30		5745.0847	14.7381	Pass
40		5745.7128	124.0675	Pass
50		5745.3524	61.3421	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5745.4484	78.0527	Pass
	120	5745.4746	82.6165	Pass
	138	5745.0410	7.1353	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(20M) - 5825MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5825.8713	149.5846	Pass
-10		5825.0493	8.4601	Pass
0		5825.0506	8.6817	Pass
10		5825.7237	124.2351	Pass
20		5825.0440	7.5451	Pass
30		5825.6201	106.4576	Pass
40		5825.2770	47.5504	Pass
50		5825.6285	107.8933	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5825.1411	24.2196	Pass
	120	5825.5223	89.6572	Pass
	138	5825.6549	112.4285	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5755MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.8051	139.8937	Pass
-10		5755.5193	90.2273	Pass
0		5755.4246	73.7790	Pass
10		5755.4682	81.3534	Pass
20		5755.1704	29.6004	Pass
30		5755.0985	17.1175	Pass
40		5755.1711	29.7362	Pass
50		5755.5785	100.5207	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5755.2251	39.1142	Pass
	120	5755.2164	37.6006	Pass
	138	5755.4708	81.8002	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5795MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.8519	147.0099	Pass
-10		5795.0064	1.1028	Pass
0		5795.7696	132.8002	Pass
10		5795.0920	15.8713	Pass
20		5795.7543	130.1608	Pass
30		5795.3818	65.8898	Pass
40		5795.1899	32.7693	Pass
50		5795.7734	133.4518	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5795.7849	135.4387	Pass
	120	5795.4891	84.4081	Pass
	138	5795.3275	56.5076	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5755MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.5570	96.7842	Pass
-10		5755.1533	26.6308	Pass
0		5755.7451	129.4742	Pass
10		5755.6696	116.3477	Pass
20		5755.7733	134.3719	Pass
30		5755.8970	155.8706	Pass
40		5755.4651	80.8089	Pass
50		5755.7054	122.5689	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5755.8598	149.4044	Pass
	120	5755.6486	112.7032	Pass
	138	5755.6748	117.2536	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5795MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.0610	10.5185	Pass
-10		5795.5996	103.4667	Pass
0		5795.8969	154.7758	Pass
10		5795.6301	108.7316	Pass
20		5795.5366	92.5969	Pass
30		5795.0744	12.8310	Pass
40		5795.2645	45.6363	Pass
50		5795.2927	50.5102	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5795.1335	23.0424	Pass
	120	5795.0124	2.1339	Pass
	138	5795.2111	36.4316	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5755MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5755.5241	91.0757	Pass
-10		5755.5304	92.1718	Pass
0		5755.2577	44.7832	Pass
10		5755.3275	56.9122	Pass
20		5755.2617	45.4803	Pass
30		5755.1045	18.1542	Pass
40		5755.2997	52.0687	Pass
50		5755.6145	106.7697	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5755.5327	92.5714	Pass
	120	5755.5310	92.2674	Pass
	138	5755.0482	8.3818	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11n(40M) - 5795MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5795.1692	29.1924	Pass
-10		5795.8026	138.4960	Pass
0		5795.6751	116.4944	Pass
10		5795.5964	102.9240	Pass
20		5795.5024	86.6978	Pass
30		5795.5288	91.2505	Pass
40		5795.4593	79.2642	Pass
50		5795.2621	45.2319	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5795.7431	128.2345	Pass
	120	5795.3072	53.0172	Pass
	138	5795.2285	39.4256	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11ac(80M) -5775MHz, ANT 0

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.6027	104.3609	Pass
-10		5775.3283	56.8404	Pass
0		5775.1631	28.2504	Pass
10		5775.4449	77.0424	Pass
20		5775.2472	42.8135	Pass
30		5775.2119	36.6998	Pass
40		5775.8643	149.6661	Pass
50		5775.7953	137.7138	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5775.6636	114.9060	Pass
	120	5775.1238	21.4453	Pass
	138	5775.5862	101.5030	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11ac(80M) -5775MHz, ANT 1

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.1768	30.6091	Pass
-10		5775.7658	132.6125	Pass
0		5775.1424	24.6539	Pass
10		5775.3274	56.6972	Pass
20		5775.3473	60.1439	Pass
30		5775.7943	137.5347	Pass
40		5775.4554	78.8610	Pass
50		5775.3899	67.5091	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5775.4345	75.2359	Pass
	120	5775.1548	26.8061	Pass
	138	5775.0242	4.1886	Pass

Product	VDSL2 Security Firewall		
Test Item	Frequency Stability		
Test Mode	Mode 1: Transmit (CDD Mode)		
Date of Test	2014/11/03	Test Site	SR7

802.11ac(80M) -5775MHz, ANT 2

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
-20	120	5775.2230	38.6209	Pass
-10		5775.7357	127.3926	Pass
0		5775.5999	103.8846	Pass
10		5775.6927	119.9411	Pass
20		5775.5635	97.5682	Pass
30		5775.0451	7.8139	Pass
40		5775.1728	29.9254	Pass
50		5775.6227	107.8259	Pass

Temperature Interval (°C)	AC Voltage (V)	Frequency (MHz)	Deviation (ppm)	Result
25	102	5775.0630	10.9093	Pass
	120	5775.6212	107.5701	Pass
	138	5775.7221	125.0352	Pass