Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

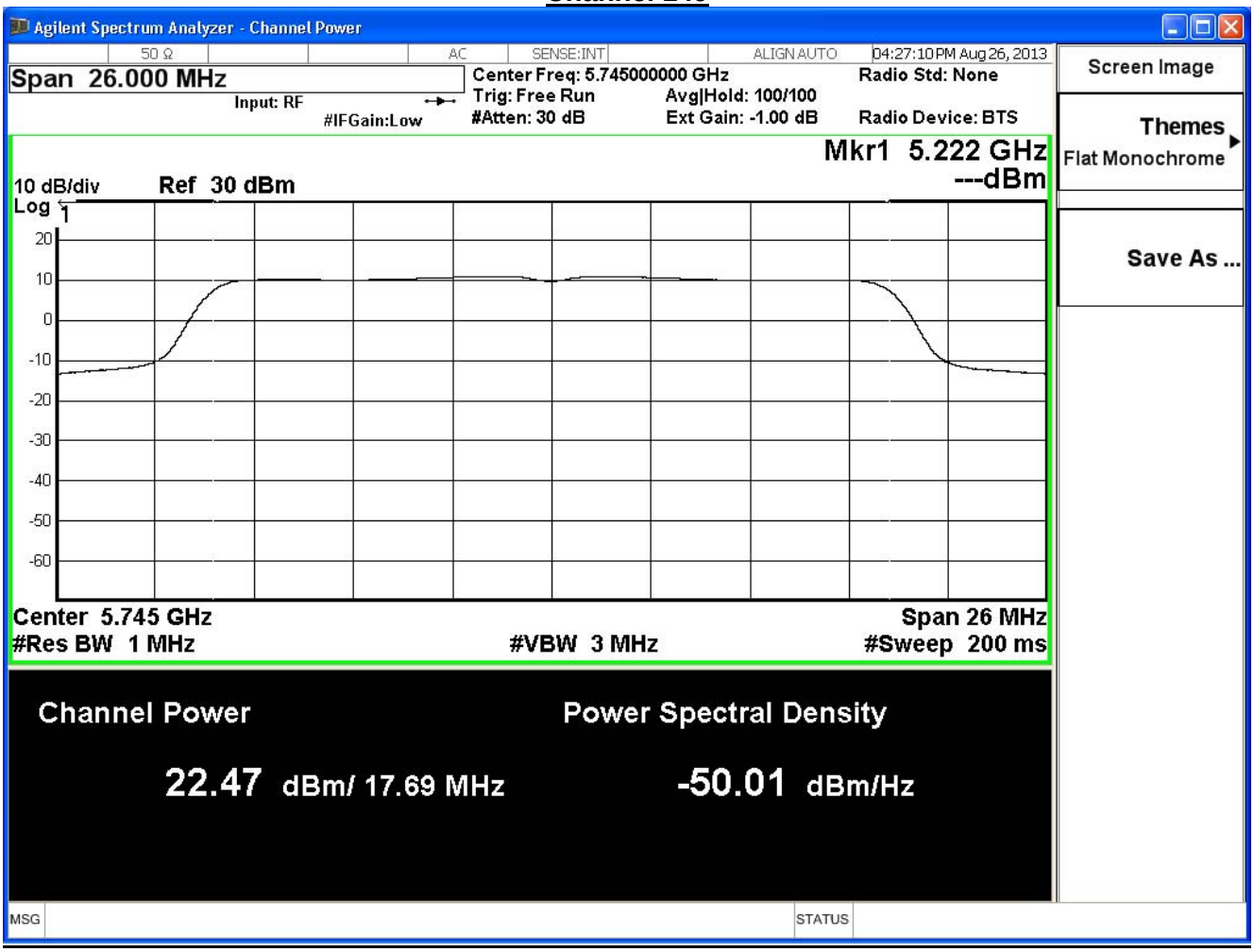
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.47	≦30	Pass
157	5785	23.12	≦30	Pass
165	5825	23.14	≦30	Pass

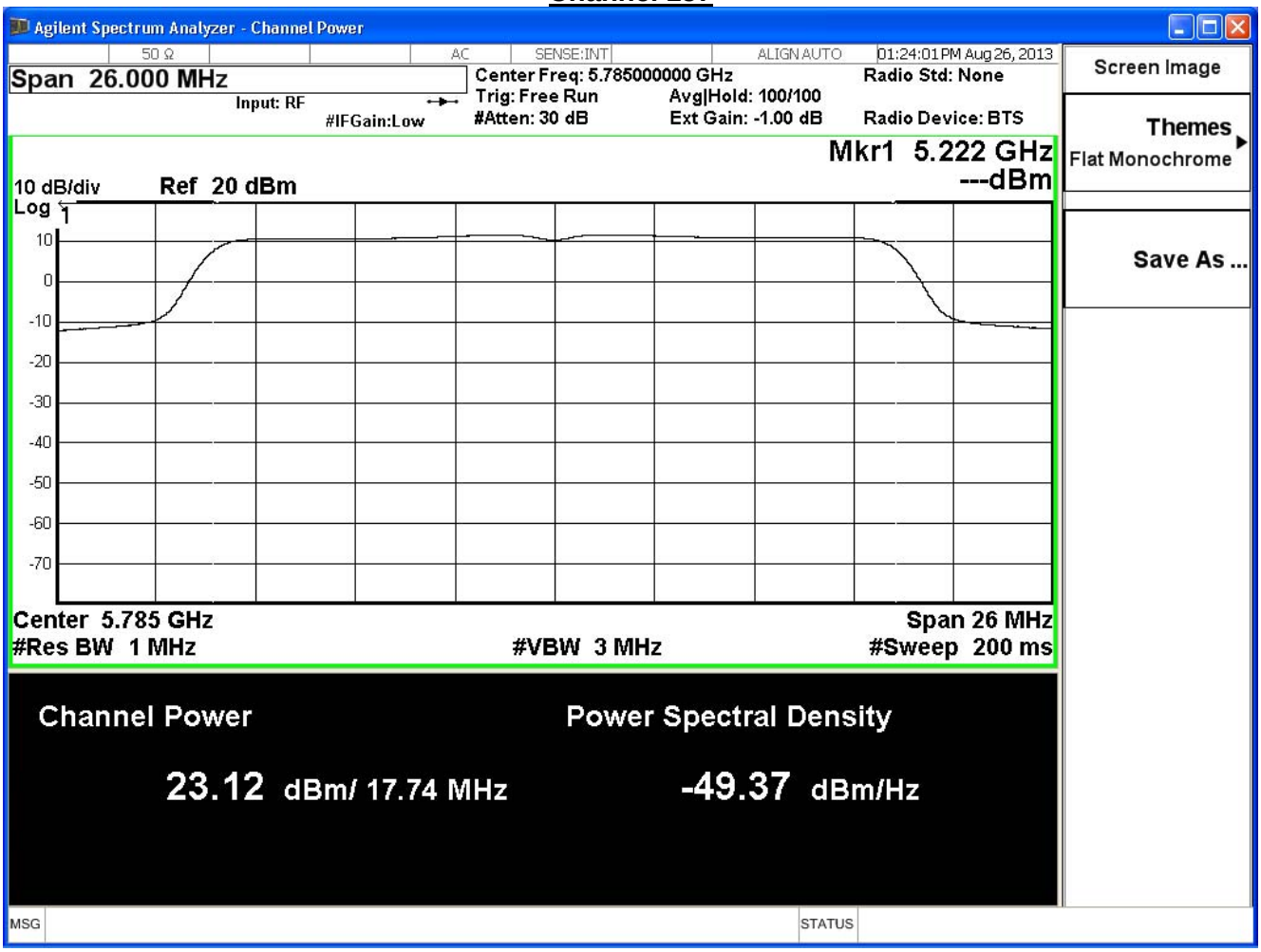
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	22.47	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	23.12	23.09	23.08	23.97	23.06	23.05	23.04	23.03	1 Watt=30dBm
165	5825	23.14	--	--	--	--	--	--	--	1 Watt=30dBm

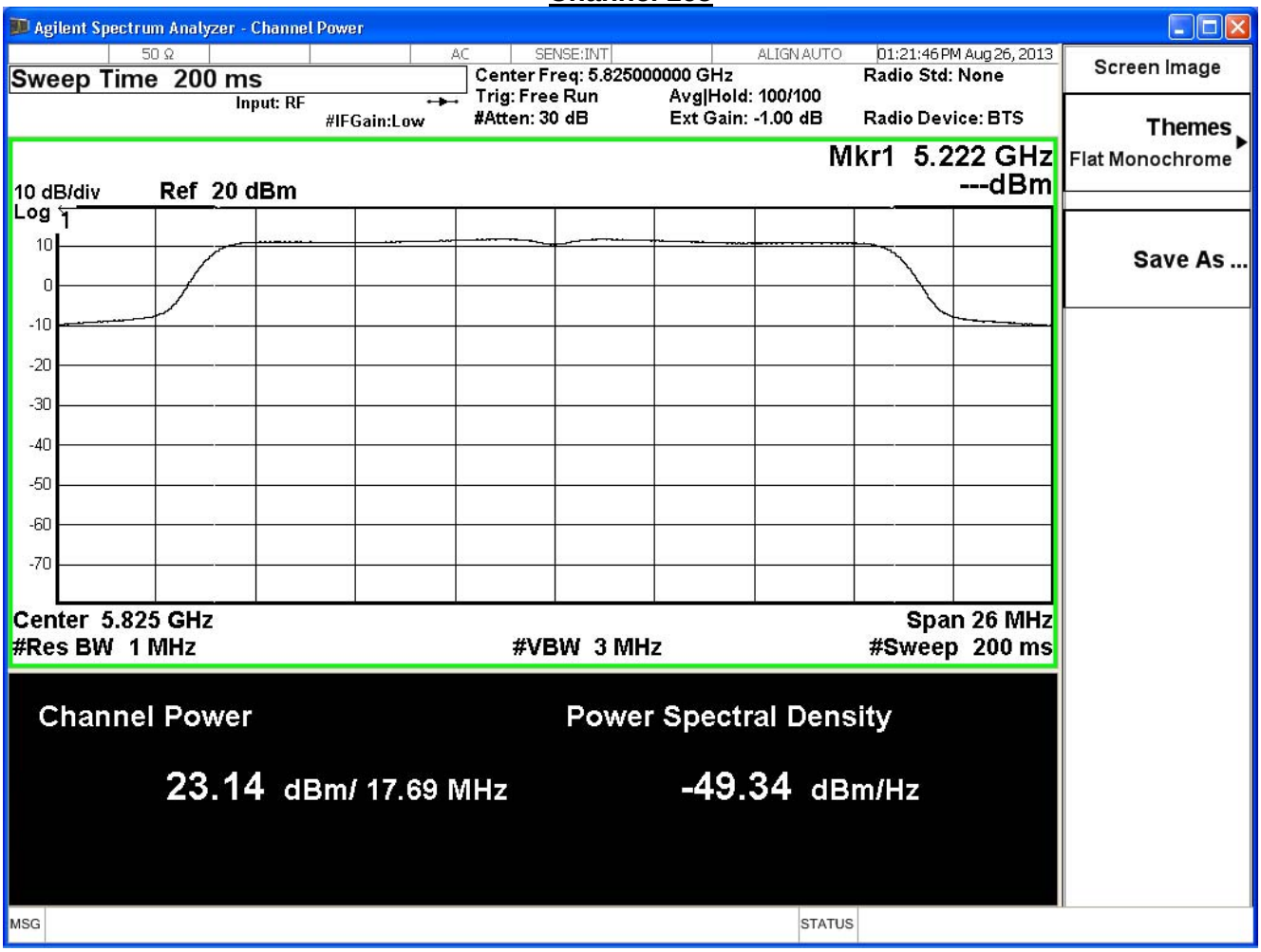
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:27:10 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.47 dBm/ 17.69 MHz
Power Spectral Density
-50.01 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:24:01 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.12 dBm/ 17.74 MHz
Power Spectral Density
-49.37 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:21:46 PM Aug 26, 2013
Sweep Time 200 ms
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 20 dBm
Log
1
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.14 dBm/ 17.69 MHz
Power Spectral Density
-49.34 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

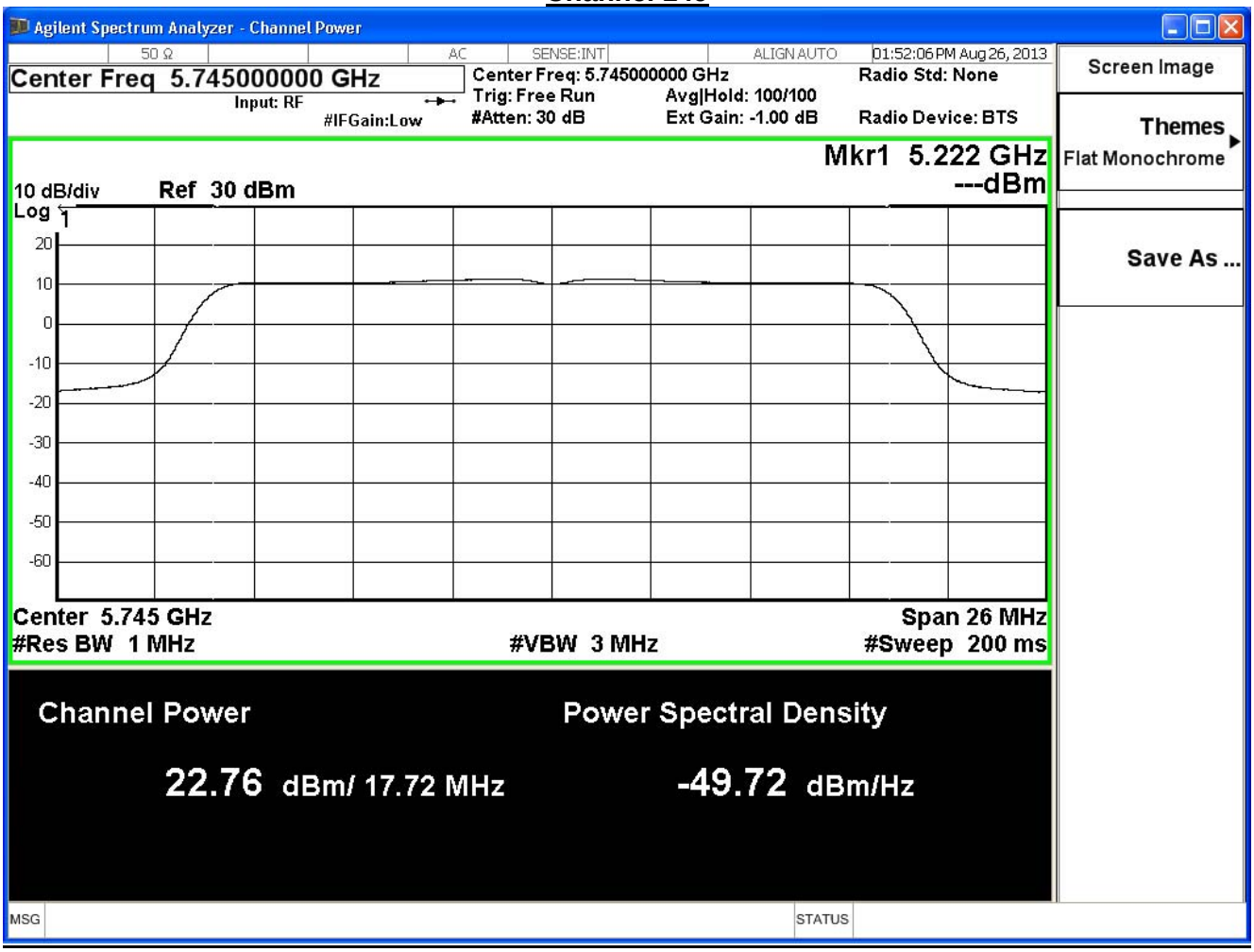
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.76	≦30	Pass
157	5785	22.95	≦30	Pass
165	5825	22.82	≦30	Pass

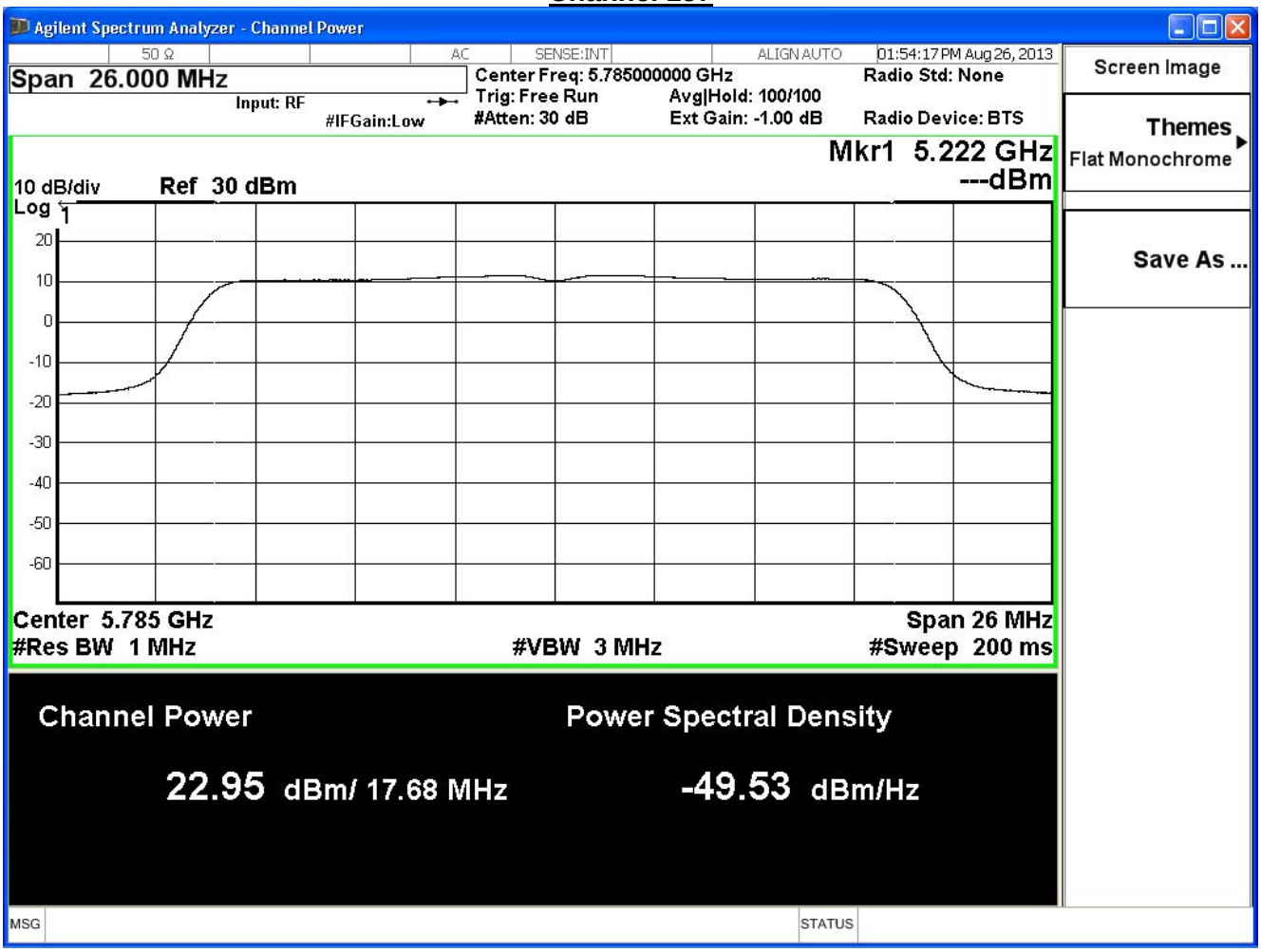
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	22.76	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	22.95	22.97	22.96	22.95	22.94	22.92	22.91	22.88	1 Watt=30dBm
165	5825	22.82	--	--	--	--	--	--	--	1 Watt=30dBm

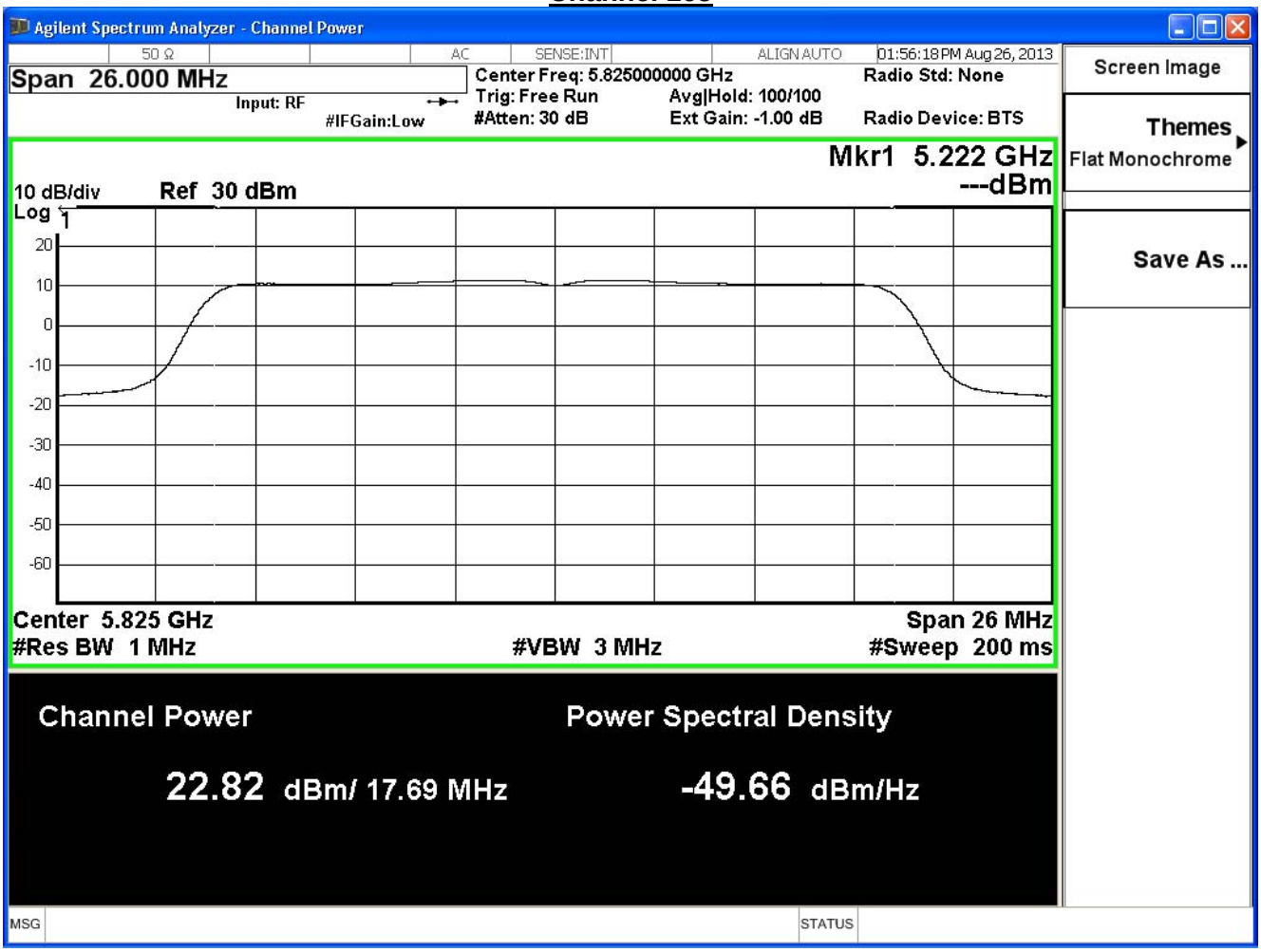
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:52:06 PM Aug 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.76 dBm/ 17.72 MHz
Power Spectral Density
-49.72 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:54:17 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.95 dBm/ 17.68 MHz
Power Spectral Density
-49.53 dBm/Hz
Screen Image
Themes
Flat Monochrome
Save As ...
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:56:18 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.82 dBm/ 17.69 MHz
Power Spectral Density
-49.66 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

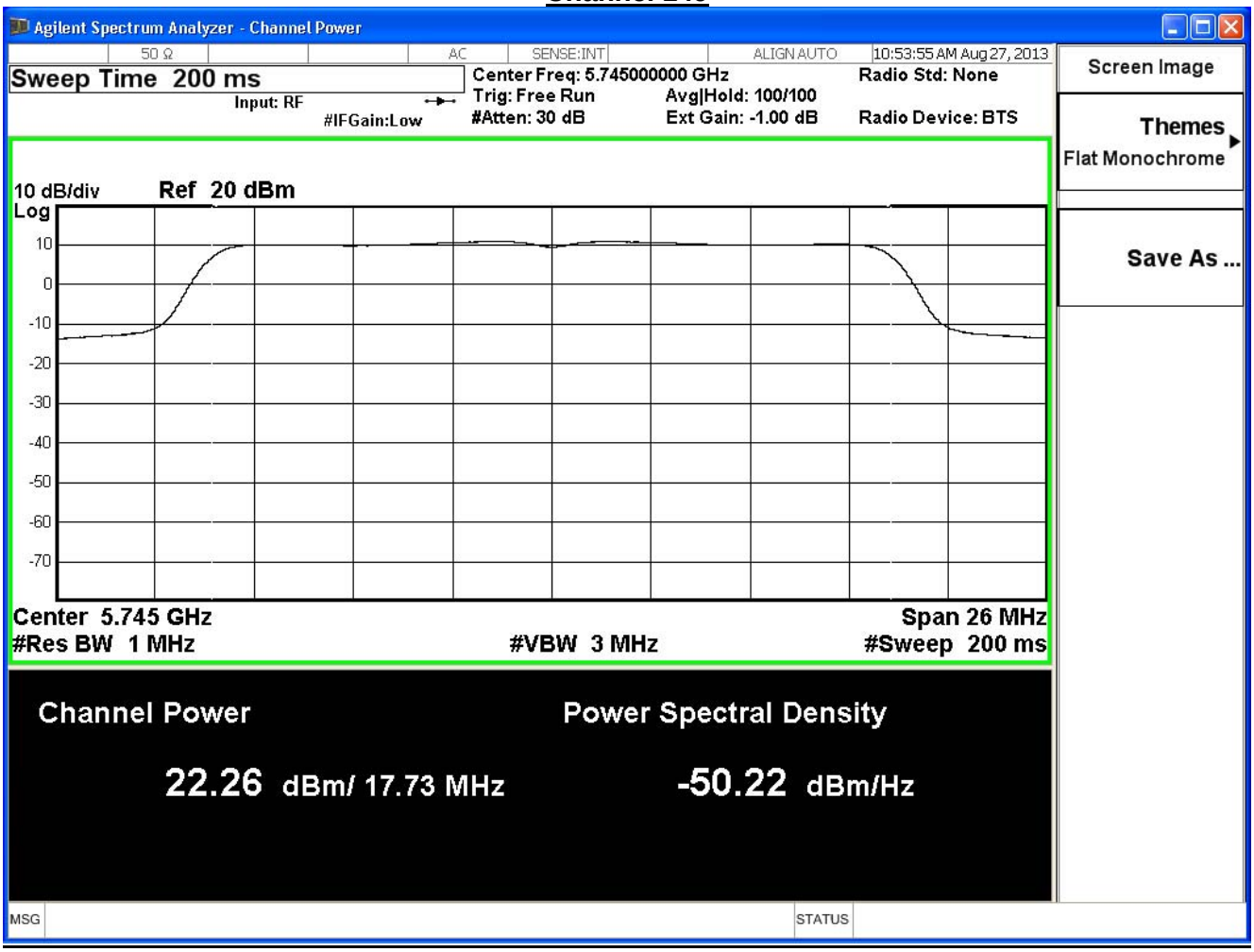
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.26	≦30	Pass
157	5785	23.08	≦30	Pass
165	5825	22.83	≦30	Pass

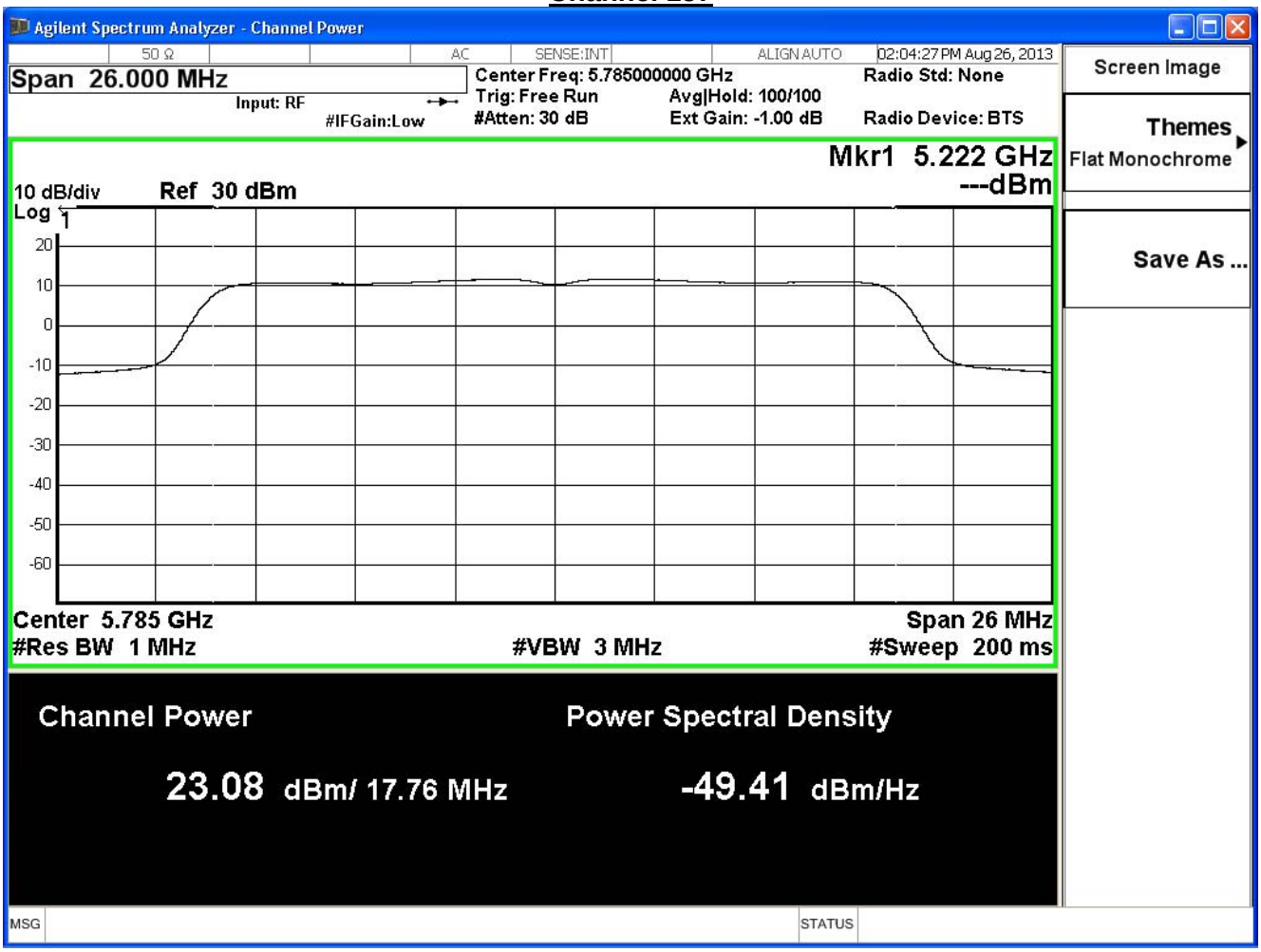
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	22.26	--	--	--	--	--	--	--	1 Watt=30dBm
157	5785	23.08	23.07	23.06	23.05	23.04	23.02	23.01	22.97	1 Watt=30dBm
165	5825	22.83	--	--	--	--	--	--	--	1 Watt=30dBm

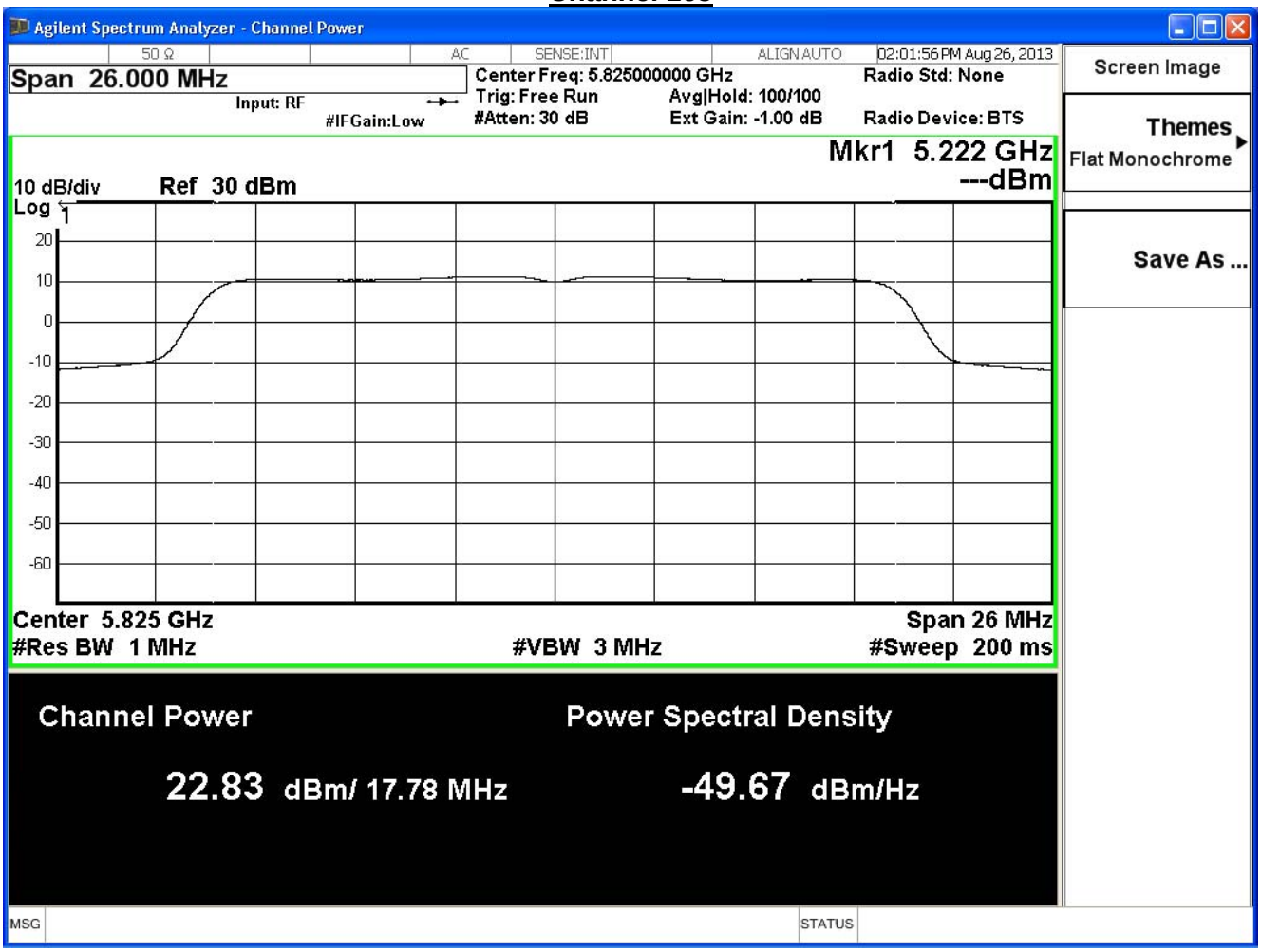
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:53:55 AM Aug 27, 2013
Sweep Time 200 ms
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.26 dBm/ 17.73 MHz
Power Spectral Density
-50.22 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:04:27 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.08 dBm/ 17.76 MHz
Power Spectral Density
-49.41 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:01:56 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.83 dBm/ 17.78 MHz
Power Spectral Density
-49.67 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	27.27	≦30	Pass
157	5785	27.82	≦30	Pass
165	5825	27.70	≦30	Pass

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

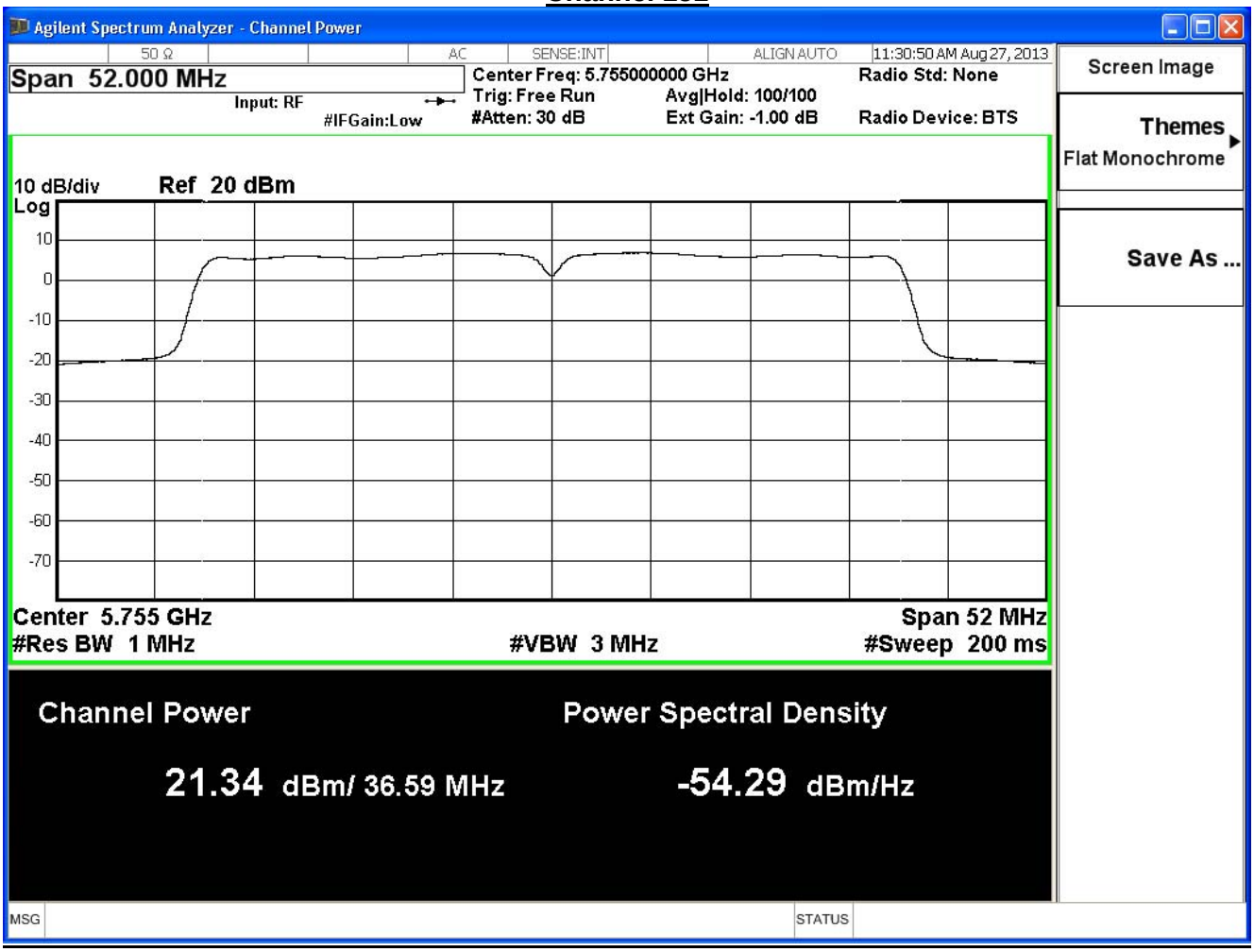
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	21.34	≦30	Pass
159	5795	23.00	≦30	Pass

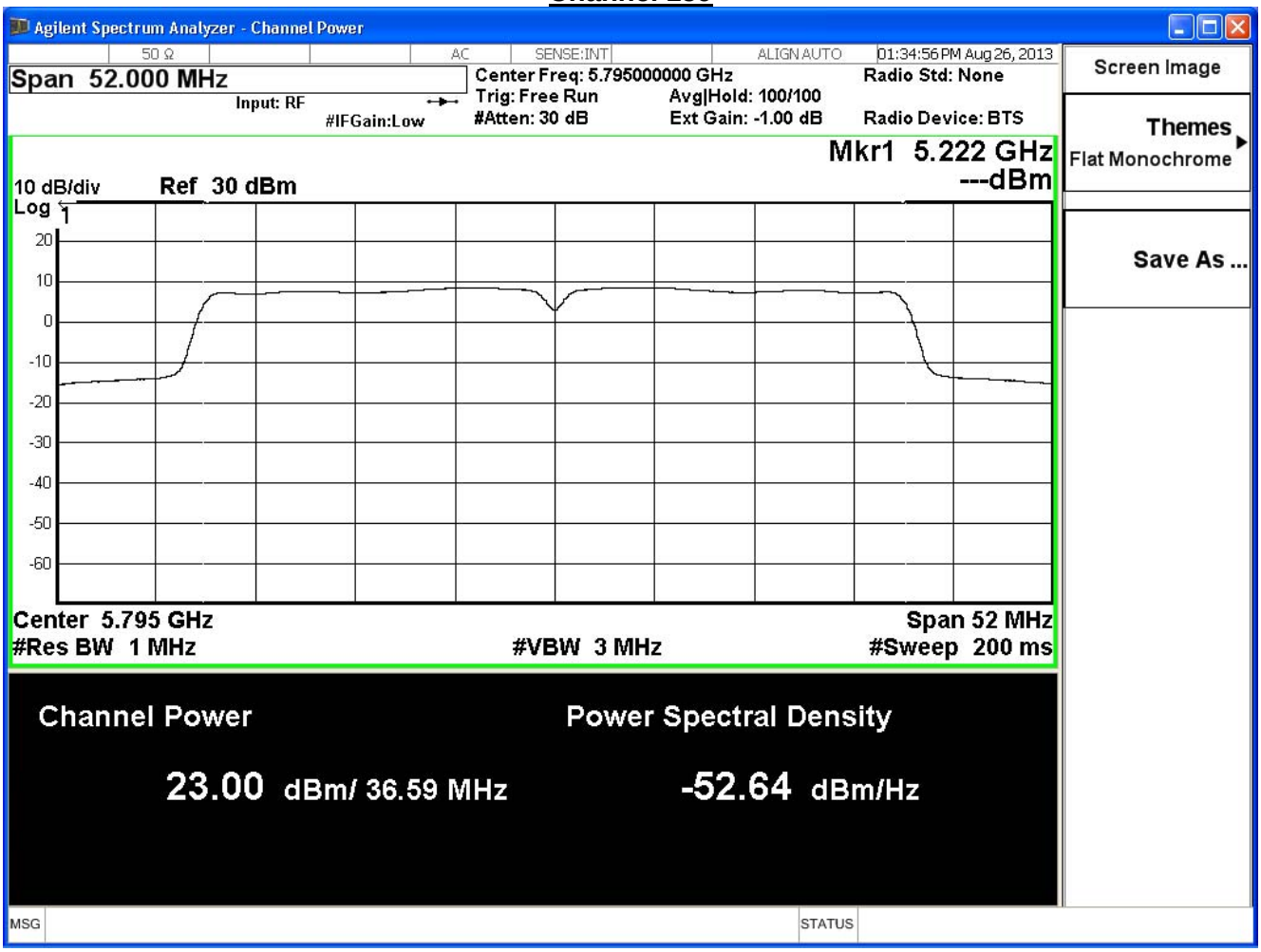
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	21.34	21.32	21.31	21.30	21.29	21.28	21.27	21.26	1 Watt=30dBm
159	5795	23.00	--	--	--	--	--	--	--	1 Watt=30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:30:50 AM Aug 27, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
21.34 dBm/ 36.59 MHz
Power Spectral Density
-54.29 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:34:56 PM Aug 26, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
23.00 dBm/ 36.59 MHz
Power Spectral Density
-52.64 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

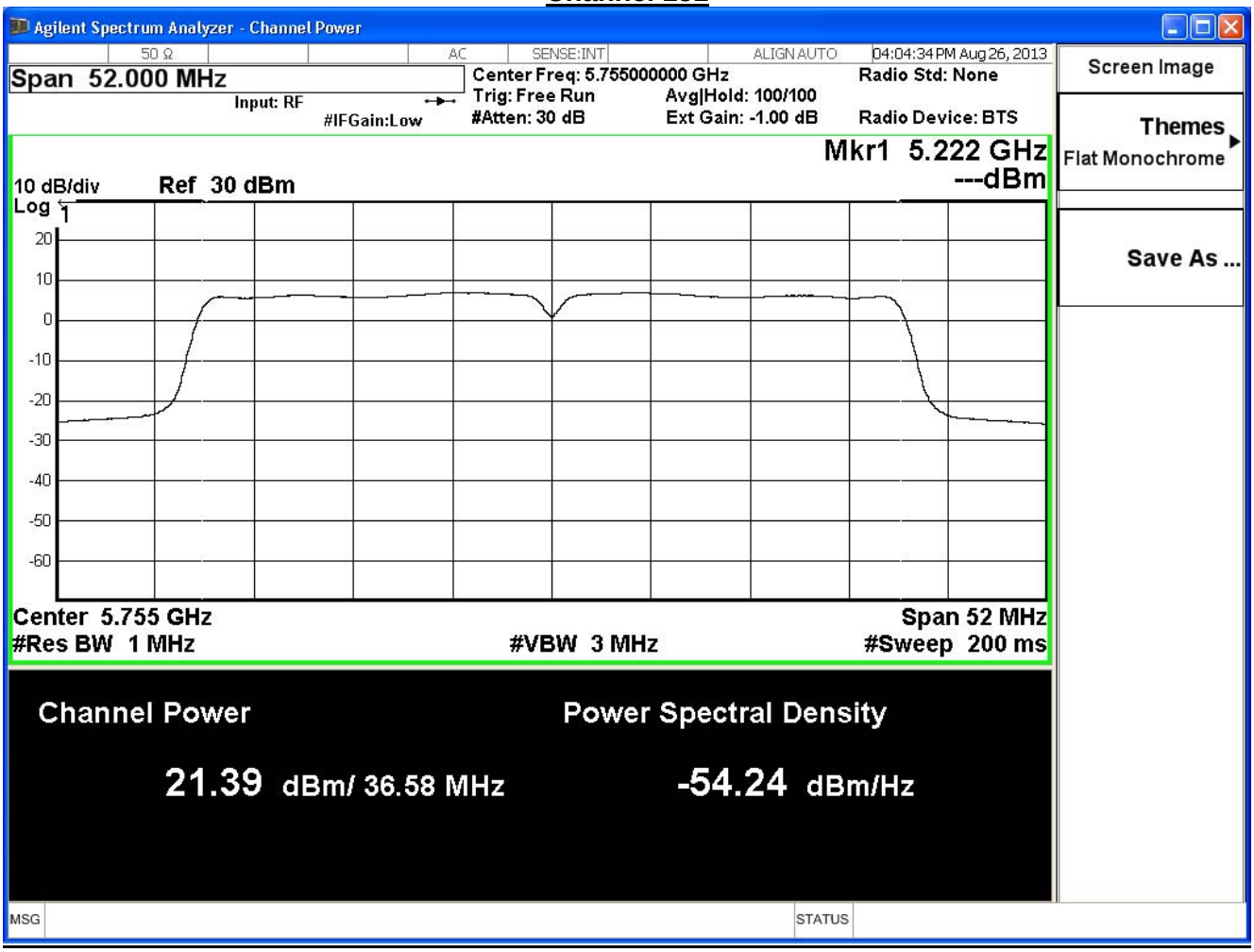
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	21.39	≦30	Pass
159	5795	23.04	≦30	Pass

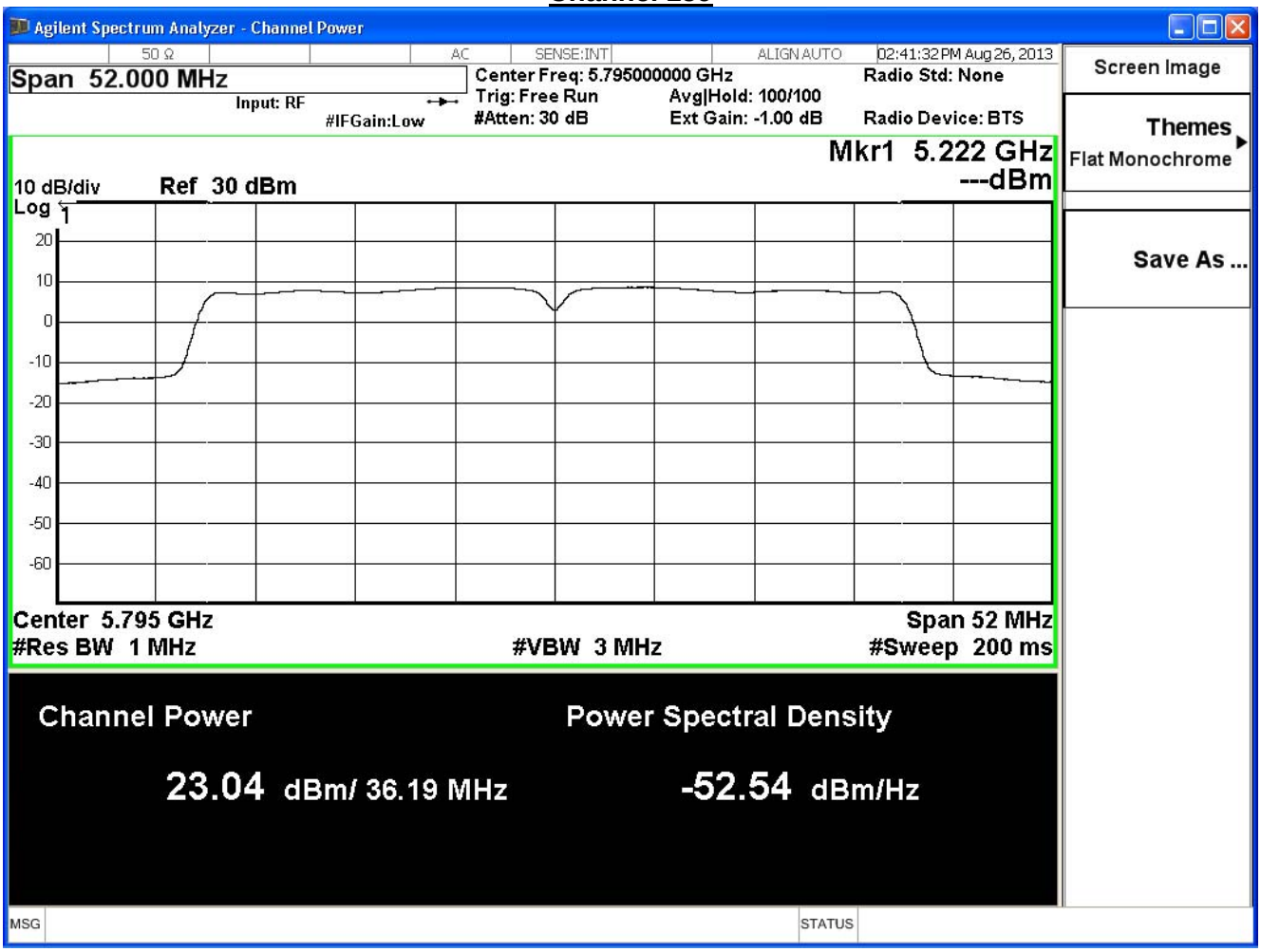
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	21.39	21.38	21.37	21.36	21.35	21.34	21.33	21.32	1 Watt=30dBm
159	5795	23.04	--	--	--	--	--	--	--	1 Watt=30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
04:04:34 PM Aug 26, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
21.39 dBm/ 36.58 MHz
Power Spectral Density
-54.24 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
02:41:32 PM Aug 26, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
23.04 dBm/ 36.19 MHz
Power Spectral Density
-52.54 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

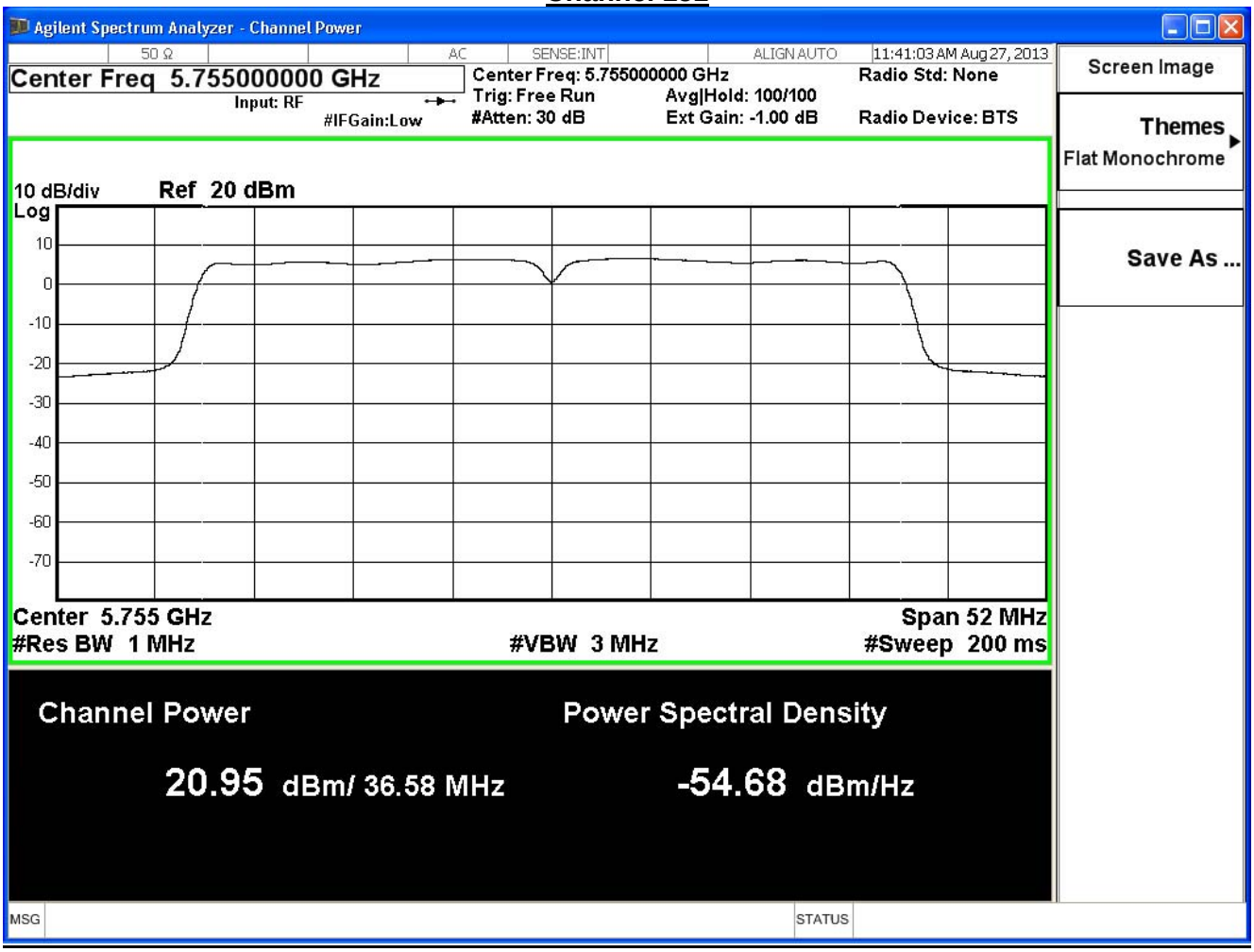
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.95	≦30	Pass
159	5795	22.85	≦30	Pass

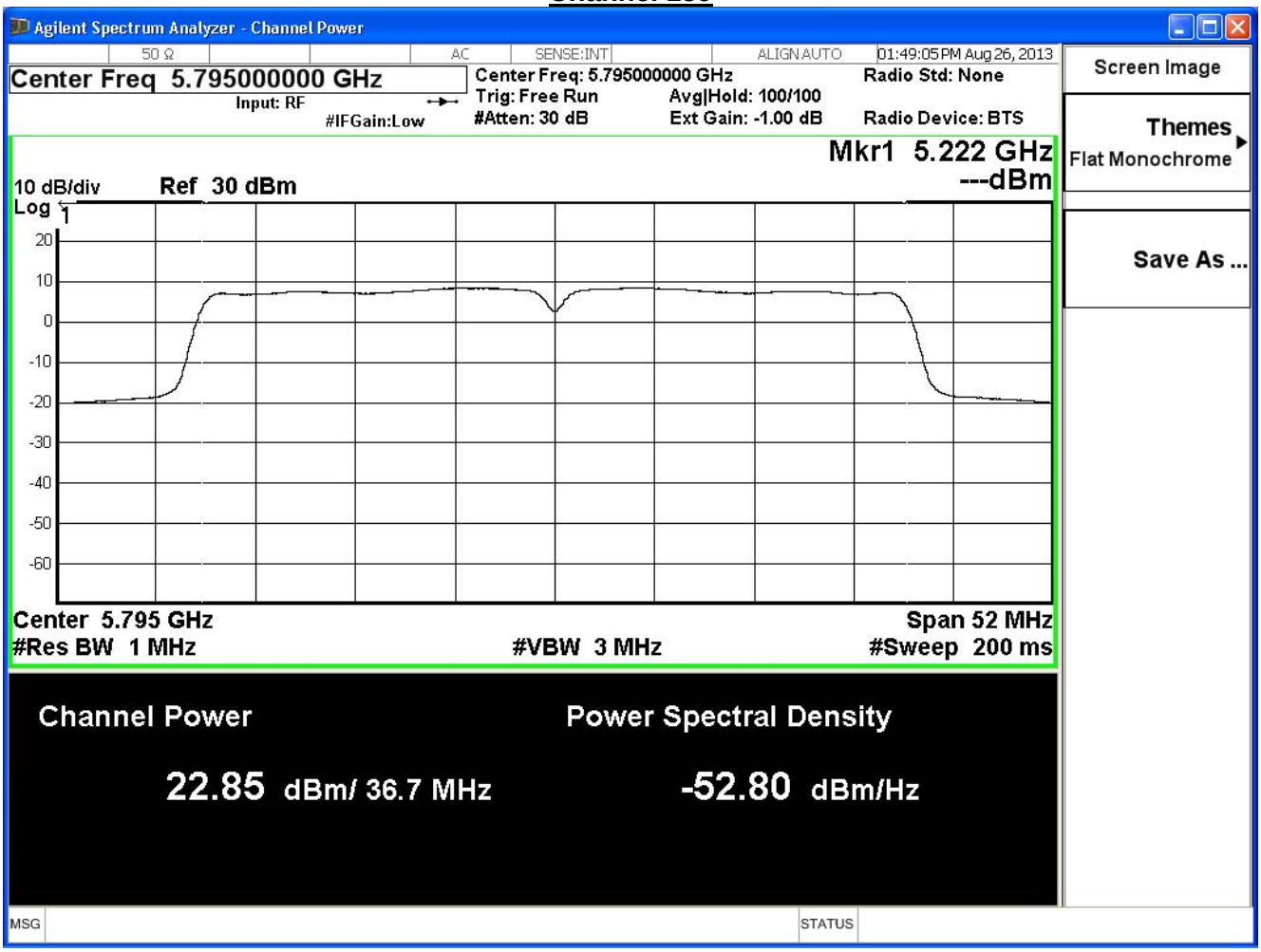
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	20.95	20.94	20.93	20.92	20.91	20.90	20.89	20.88	1 Watt=30dBm
159	5795	22.85	--	--	--	--	--	--	--	1 Watt=30dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
11:41:03 AM Aug 27, 2013
Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
20.95 dBm/ 36.58 MHz
Power Spectral Density
-54.68 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
01:49:05 PM Aug 26, 2013
Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
22.85 dBm/ 36.7 MHz
Power Spectral Density
-52.80 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	26.00	≦30	Pass
159	5795	27.74	≦30	Pass

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

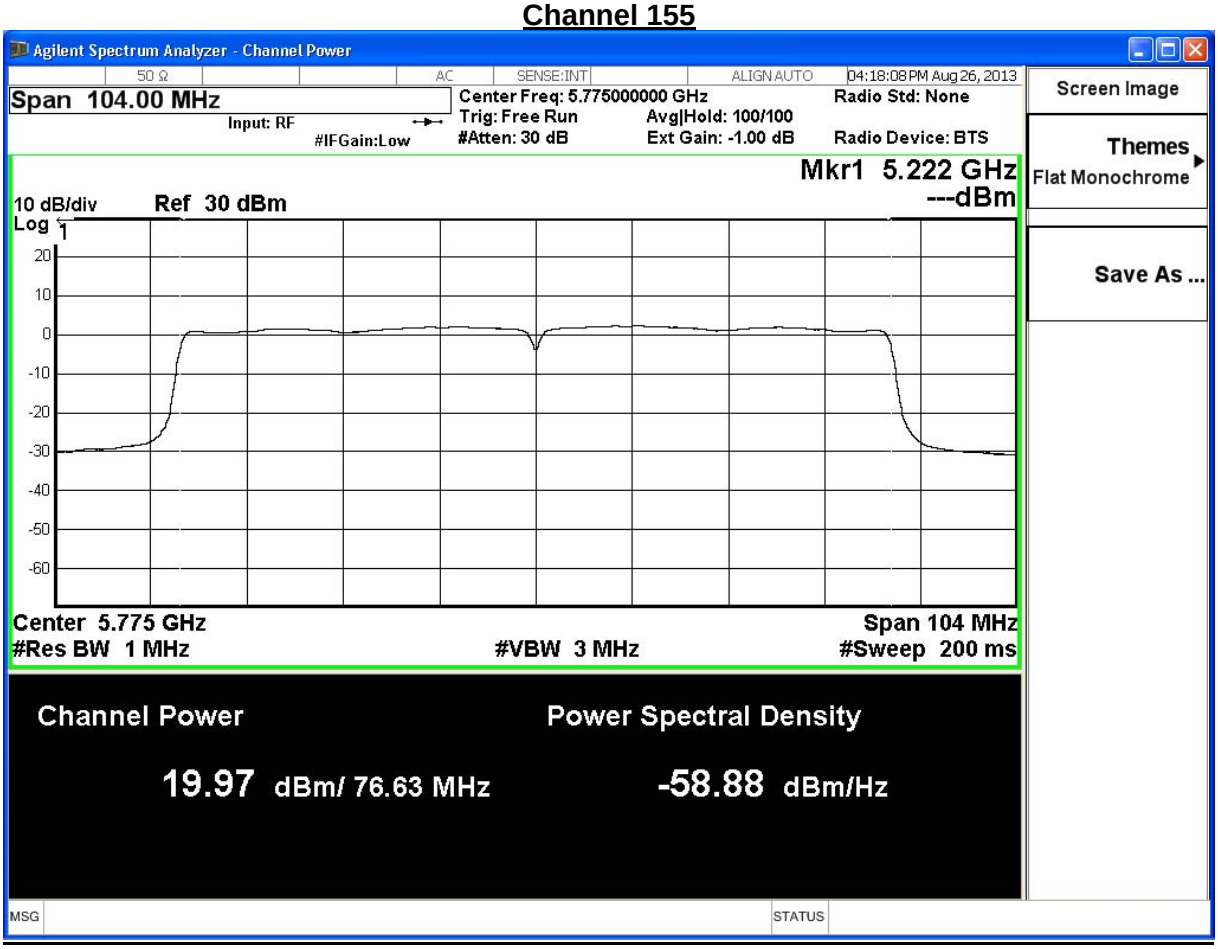
IEEE 802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	19.97	≦30	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	19.97	19.96	19.95	19.94	19.93	19.92	19.91	19.88	19.87	19.86

Channel 155



Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

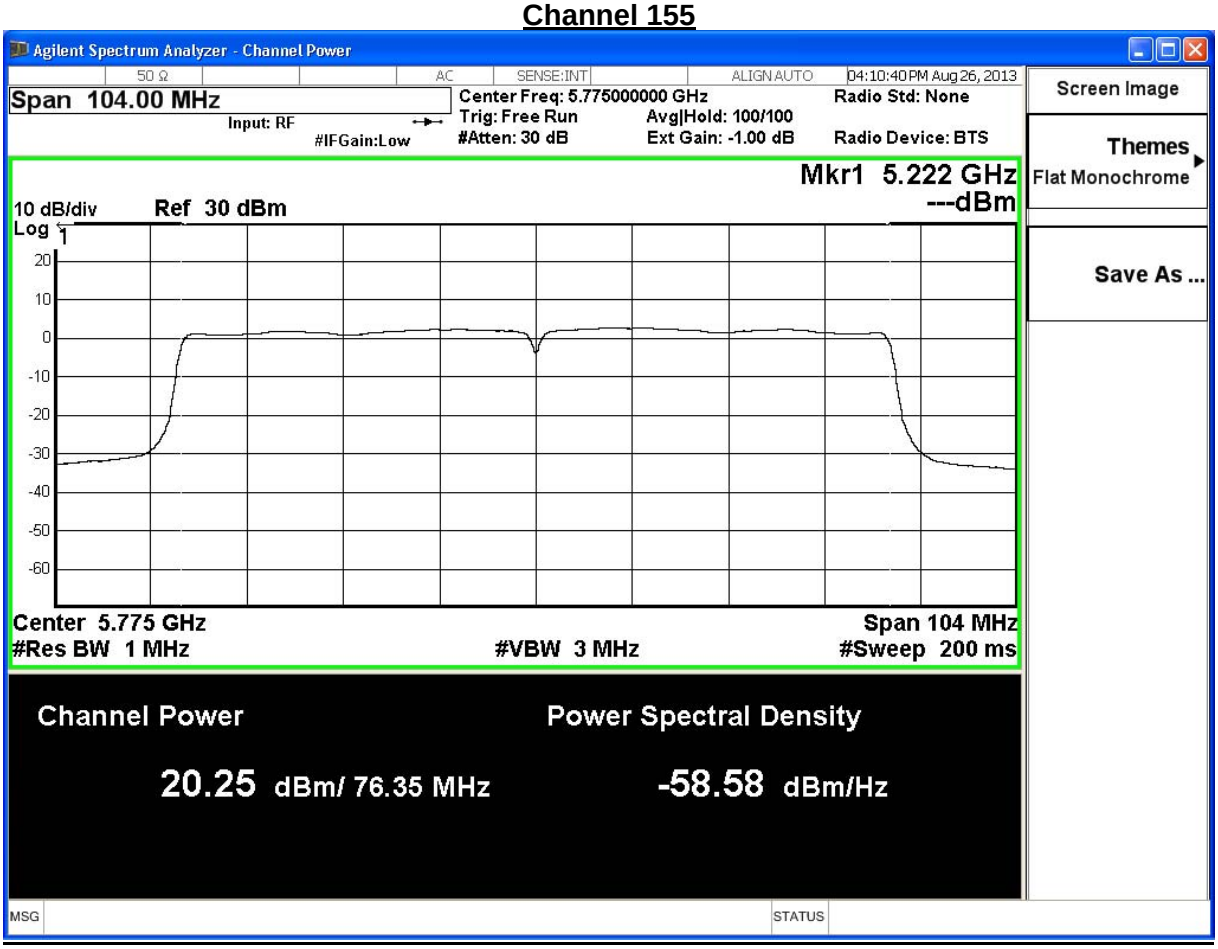
IEEE 802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	20.25	≦30	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	20.25	20.24	20.03	20.22	20.21	19.19	19.18	19.17	19.16	19.15

Channel 155



Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

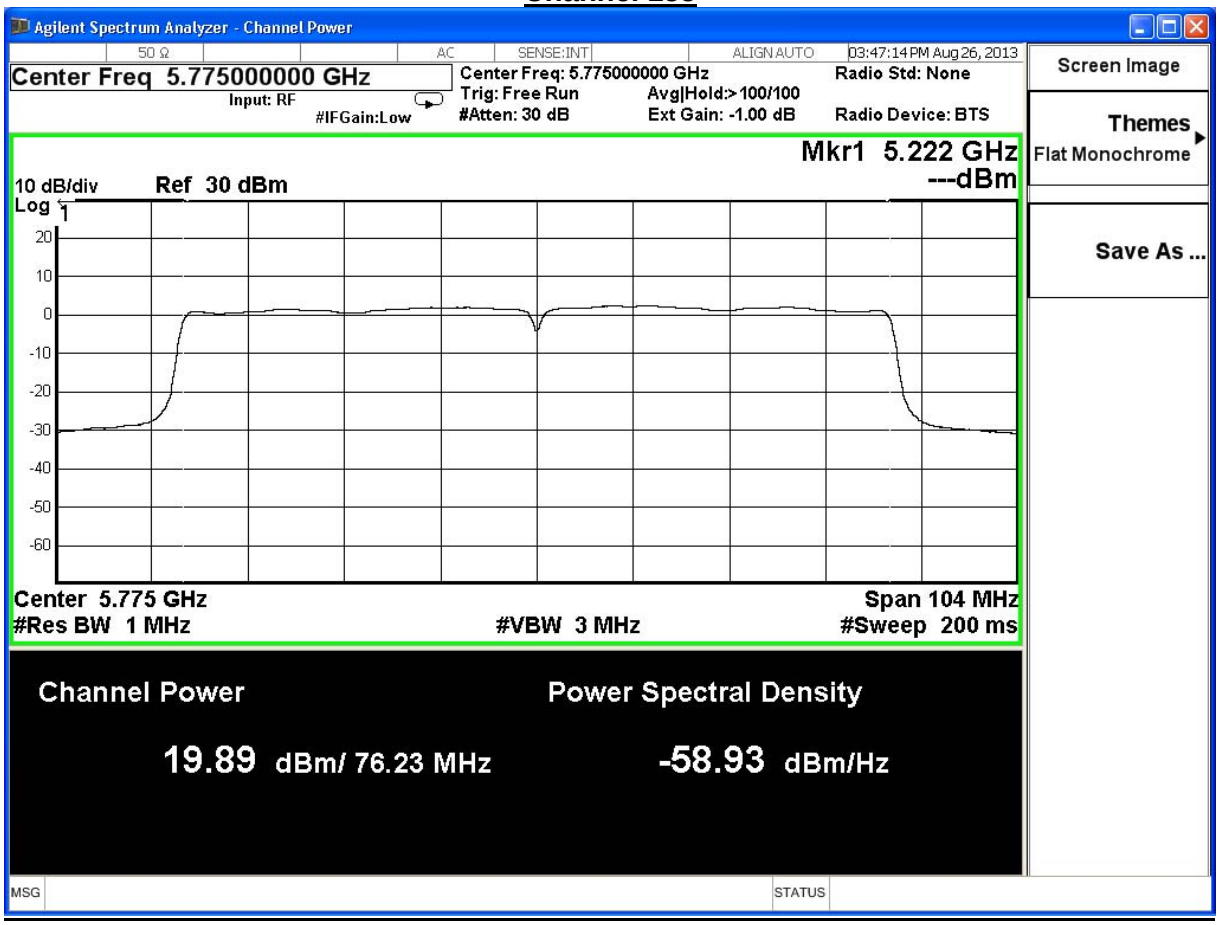
IEEE 802.11ac 80MHz (ANT2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	19.89	≦30	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	19.89	19.85	19.79	19.78	19.67	19.66	19.65	19.54	19.53	19.52

Channel 155



Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/27	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	24.81	≦30	Pass

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.52	≦28.23	Pass
157	5785	24.39	≦28.23	Pass
165	5825	24.40	≦28.23	Pass

The worst emission of data rate is 6Mbps.

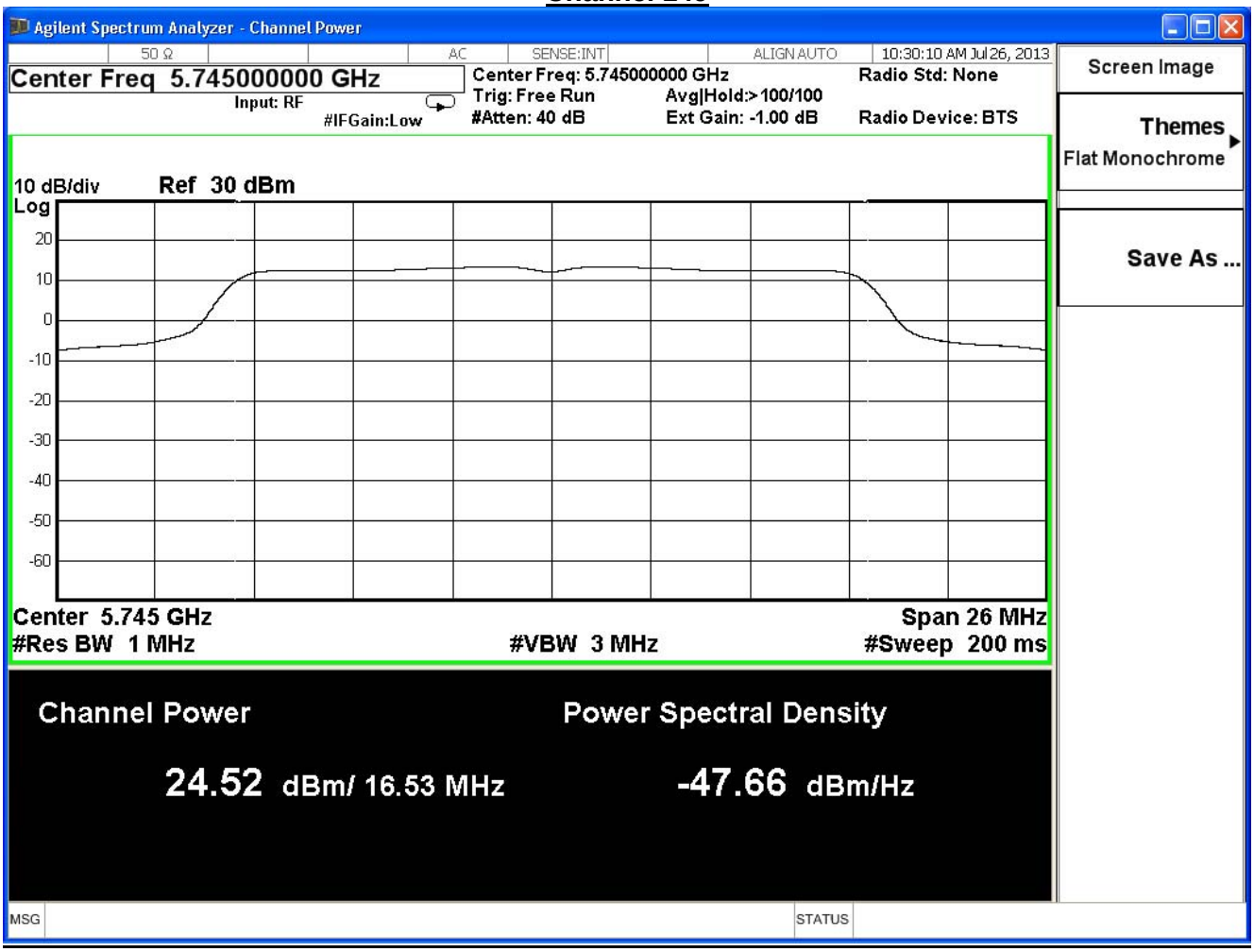
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	24.52	--	--	--	--	--	--	≦28.23
157	5785	24.39	24.38	24.37	24.35	24.34	24.33	24.32	≦28.23
165	5825	24.40	--	--	--	--	--	--	≦28.23

Note:

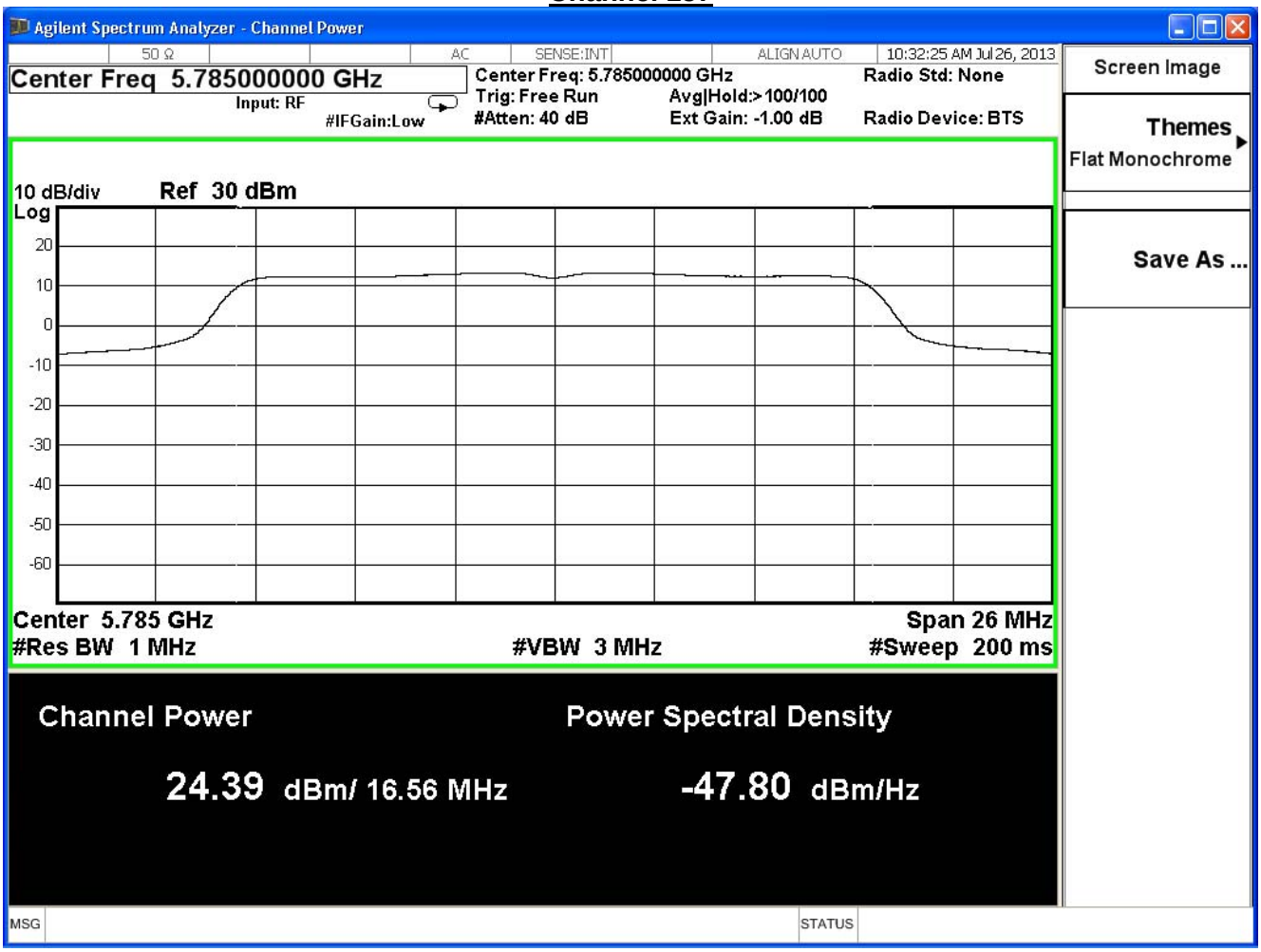
Measure Level =Reading value + cable loss

Total Gain =max Gain + Beamforming Gain = 3dBi + 4.77dB =7.77dBi
Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

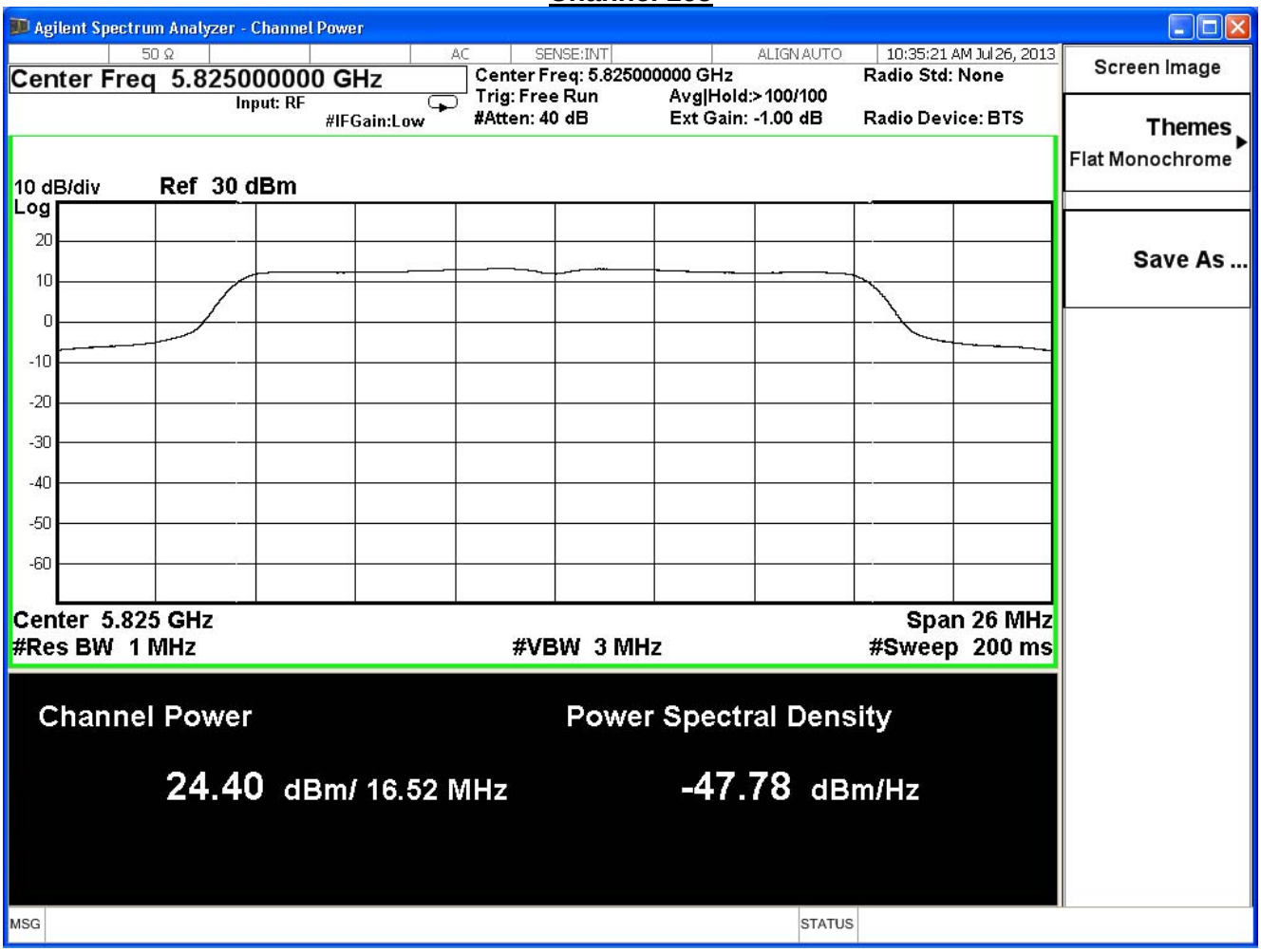
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:30:10 AM Jul 26, 2013
Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
24.52 dBm/ 16.53 MHz
Power Spectral Density
-47.66 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:32:25 AM Jul 26, 2013
Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
24.39 dBm/ 16.56 MHz
Power Spectral Density
-47.80 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:35:21 AM Jul 26, 2013
Center Freq 5.825000000 GHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 40 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
24.40 dBm/ 16.52 MHz
Power Spectral Density
-47.78 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.28	≦28.23	Pass
157	5785	23.50	≦28.23	Pass
165	5825	23.26	≦28.23	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	23.28	--	--	--	--	--	--	--	≦28.23
157	5785	23.50	23.49	23.48	23.47	23.46	23.45	23.44	23.43	≦28.23
165	5825	23.26	--	--	--	--	--	--	--	≦28.23

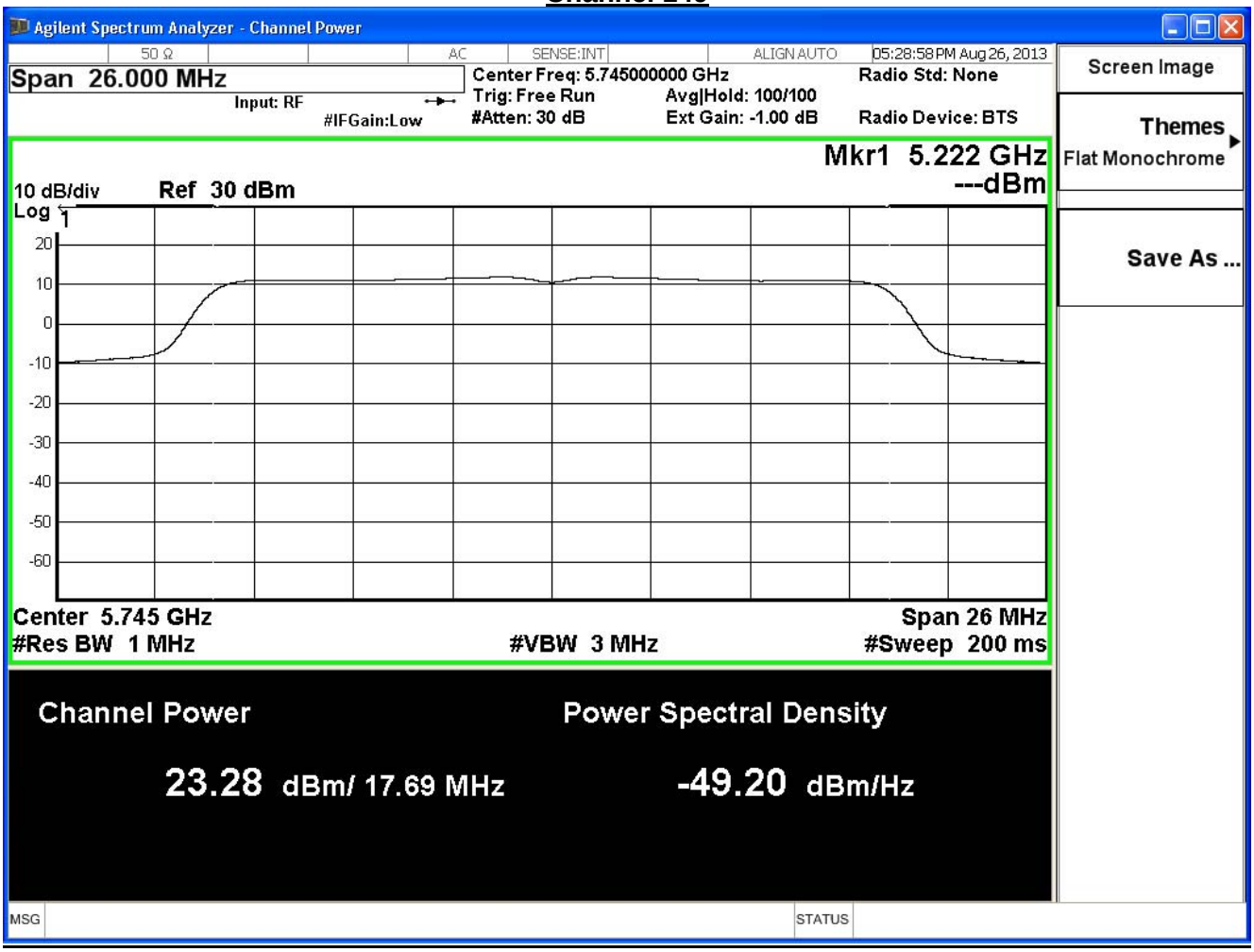
Note:

Measure Level =Reading value + cable loss

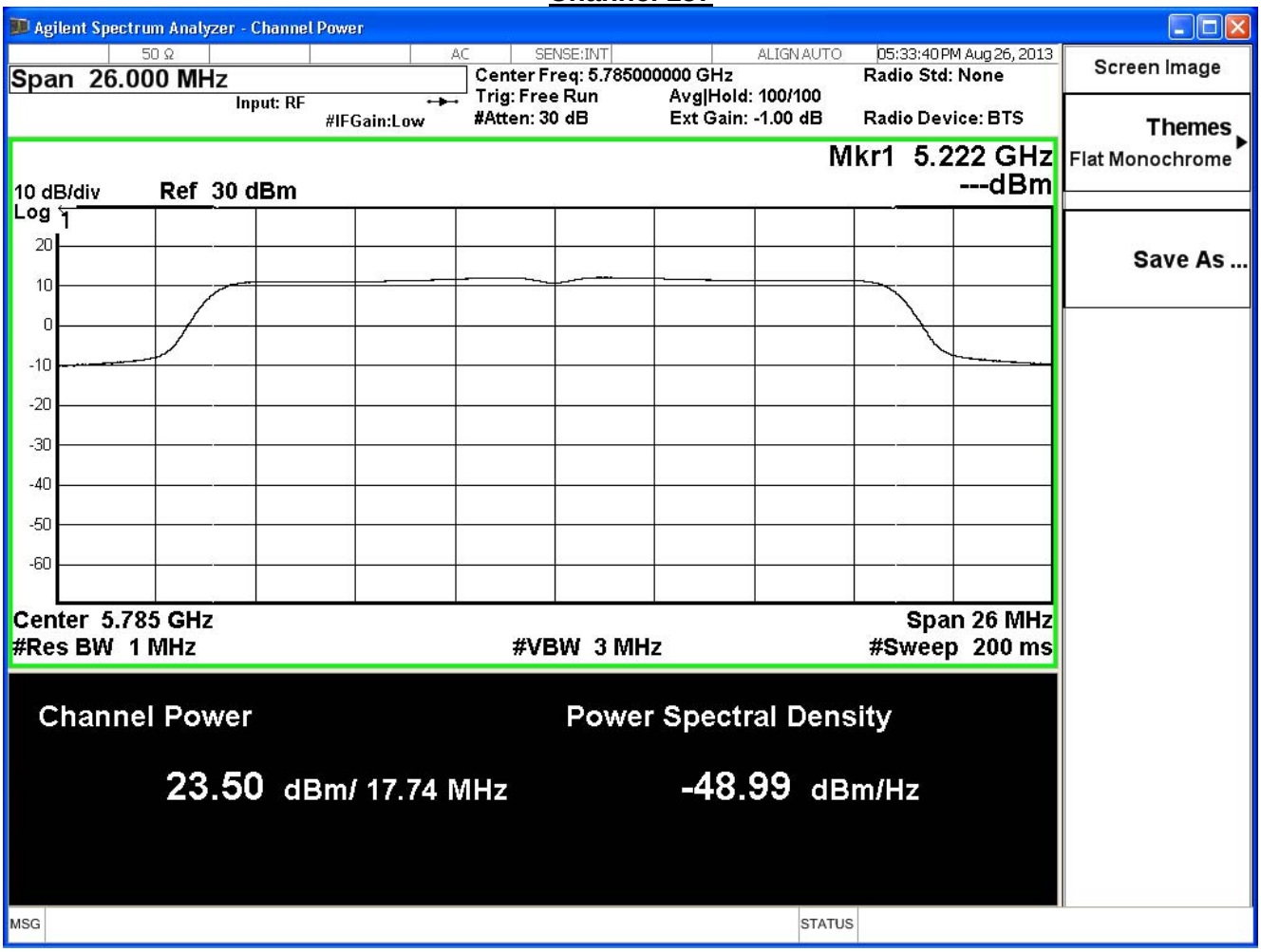
Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

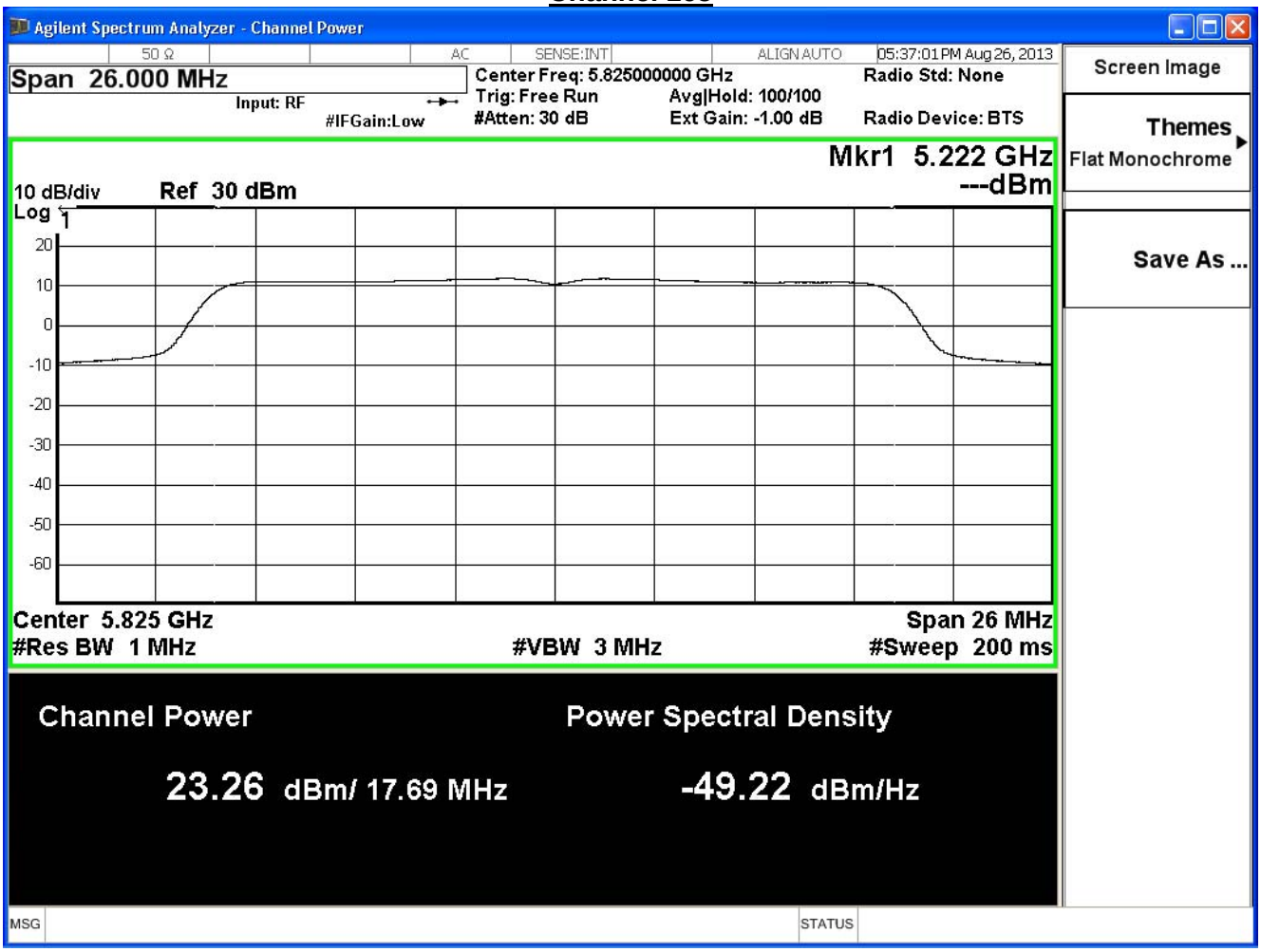
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:28:58 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.28 dBm/ 17.69 MHz
Power Spectral Density
-49.20 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:33:40 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.50 dBm/ 17.74 MHz
Power Spectral Density
-48.99 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:37:01 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.26 dBm/ 17.69 MHz
Power Spectral Density
-49.22 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.95	≦28.23	Pass
157	5785	23.22	≦28.23	Pass
165	5825	22.97	≦28.23	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	22.95	--	--	--	--	--	--	--	≦28.23
157	5785	23.22	23.17	23.16	23.15	23.14	23.12	23.11	22.98	≦28.23
165	5825	22.97	--	--	--	--	--	--	--	≦28.23

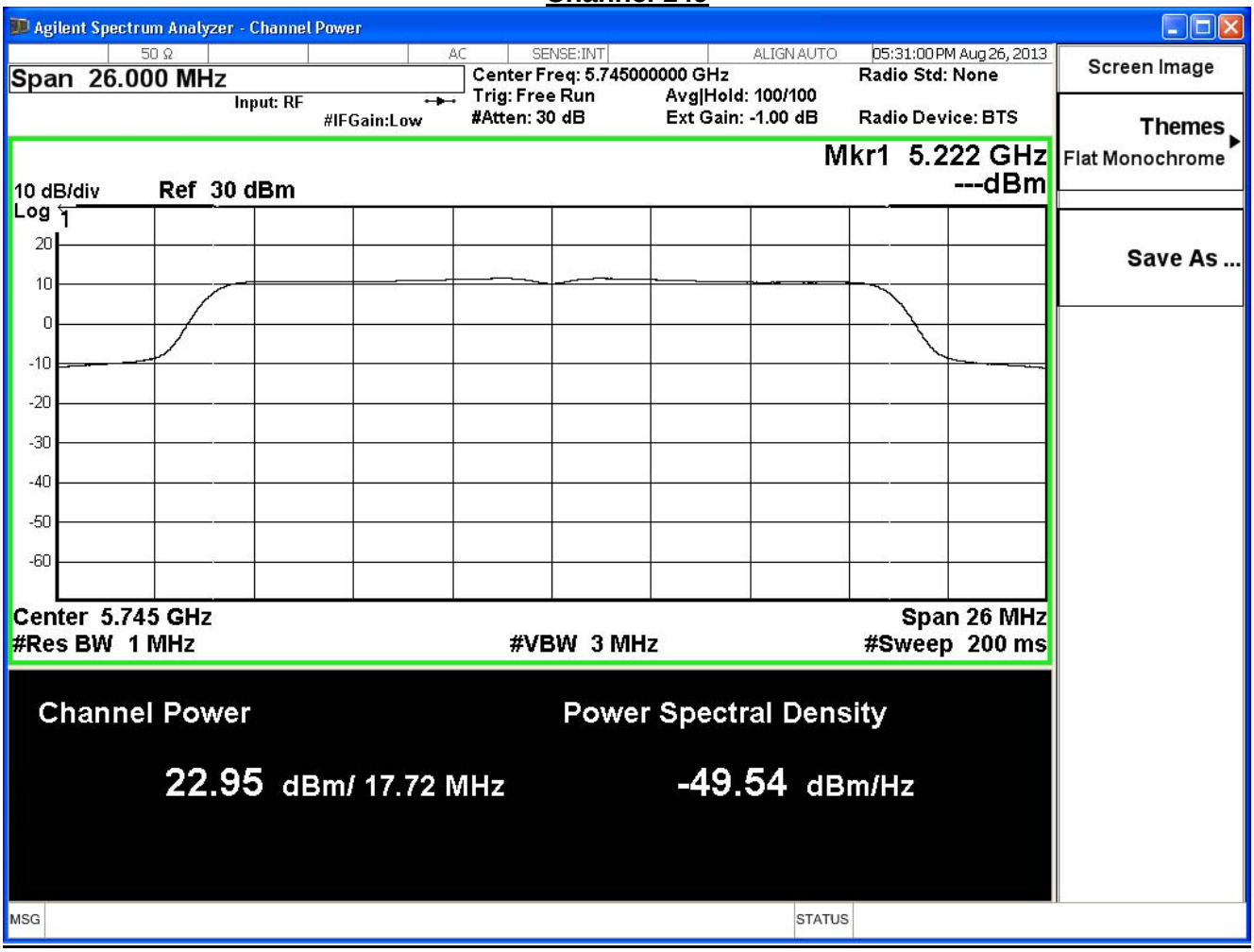
Note:

Measure Level =Reading value + cable loss

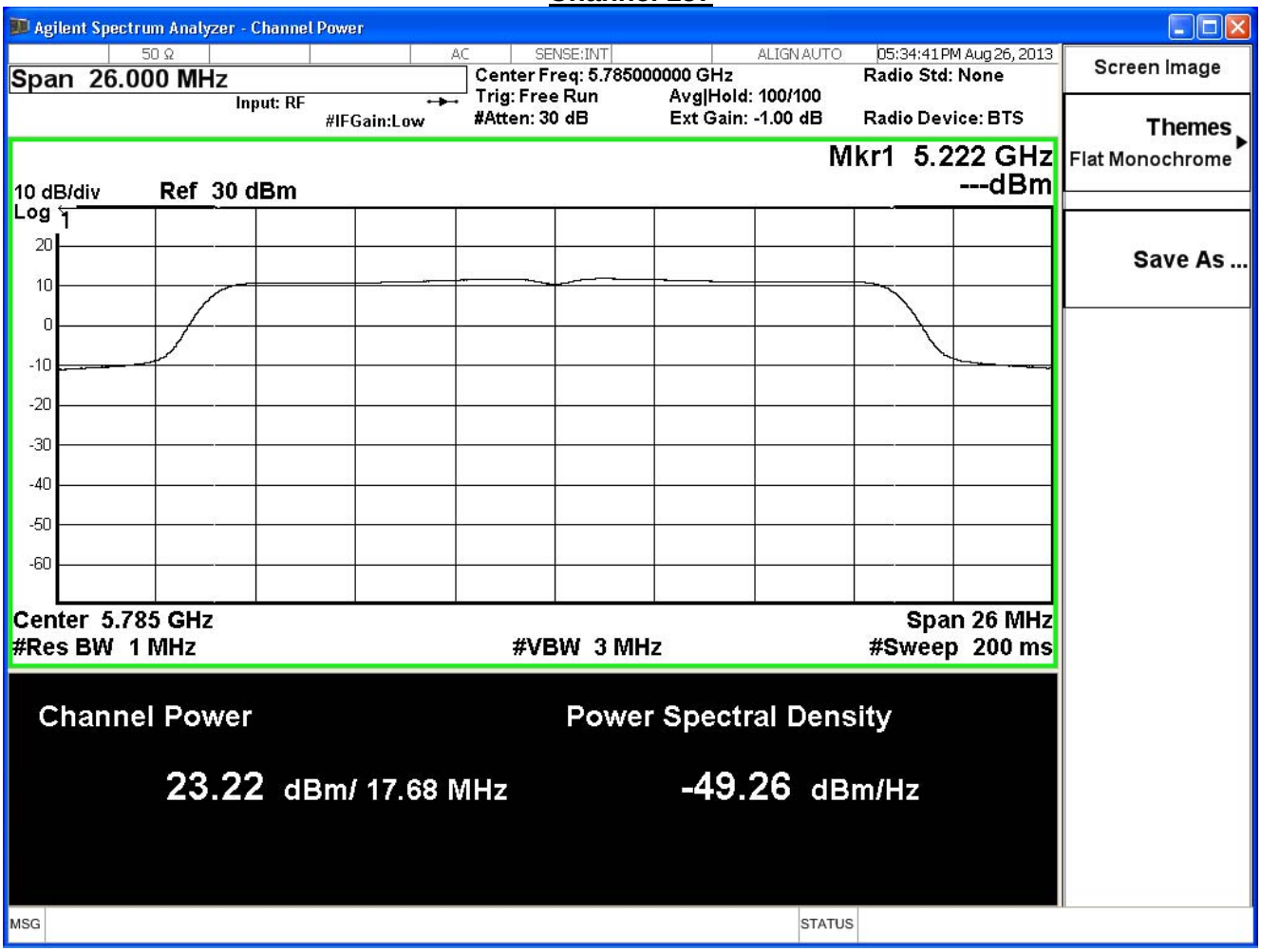
Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

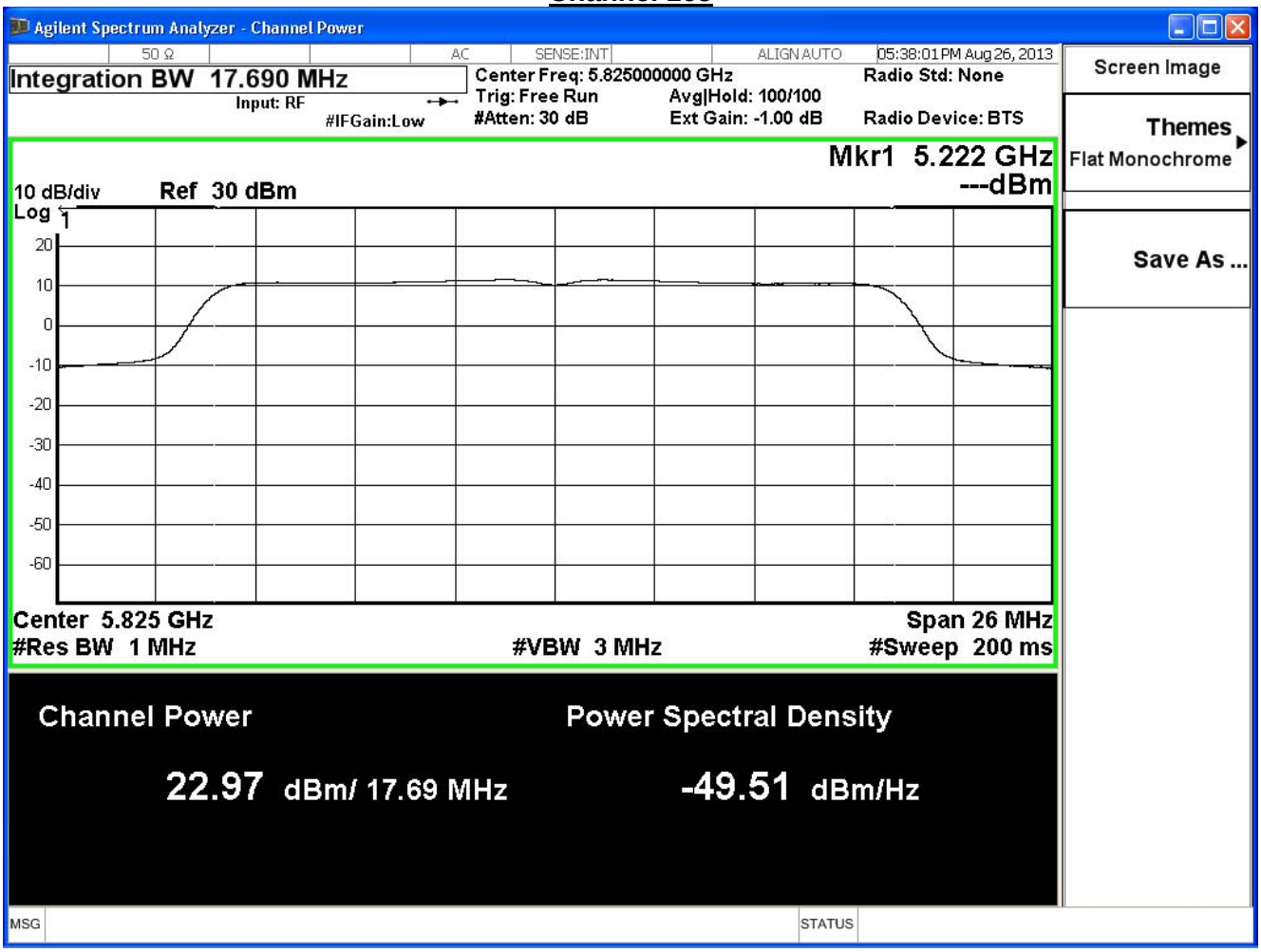
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:31:00 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.95 dBm/ 17.72 MHz
Power Spectral Density
-49.54 dBm/Hz
MSG
STATUS

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:34:41 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.22 dBm/ 17.68 MHz
Power Spectral Density
-49.26 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:38:01 PM Aug 26, 2013
Integration BW 17.690 MHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
22.97 dBm/ 17.69 MHz
Power Spectral Density
-49.51 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.34	≦28.23	Pass
157	5785	23.52	≦28.23	Pass
165	5825	23.34	≦28.23	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	23.34	--	--	--	--	--	--	--	≦28.23
157	5785	23.52	23.47	23.46	23.45	23.44	23.42	23.41	22.97	≦28.23
165	5825	23.34	--	--	--	--	--	--	--	≦28.23

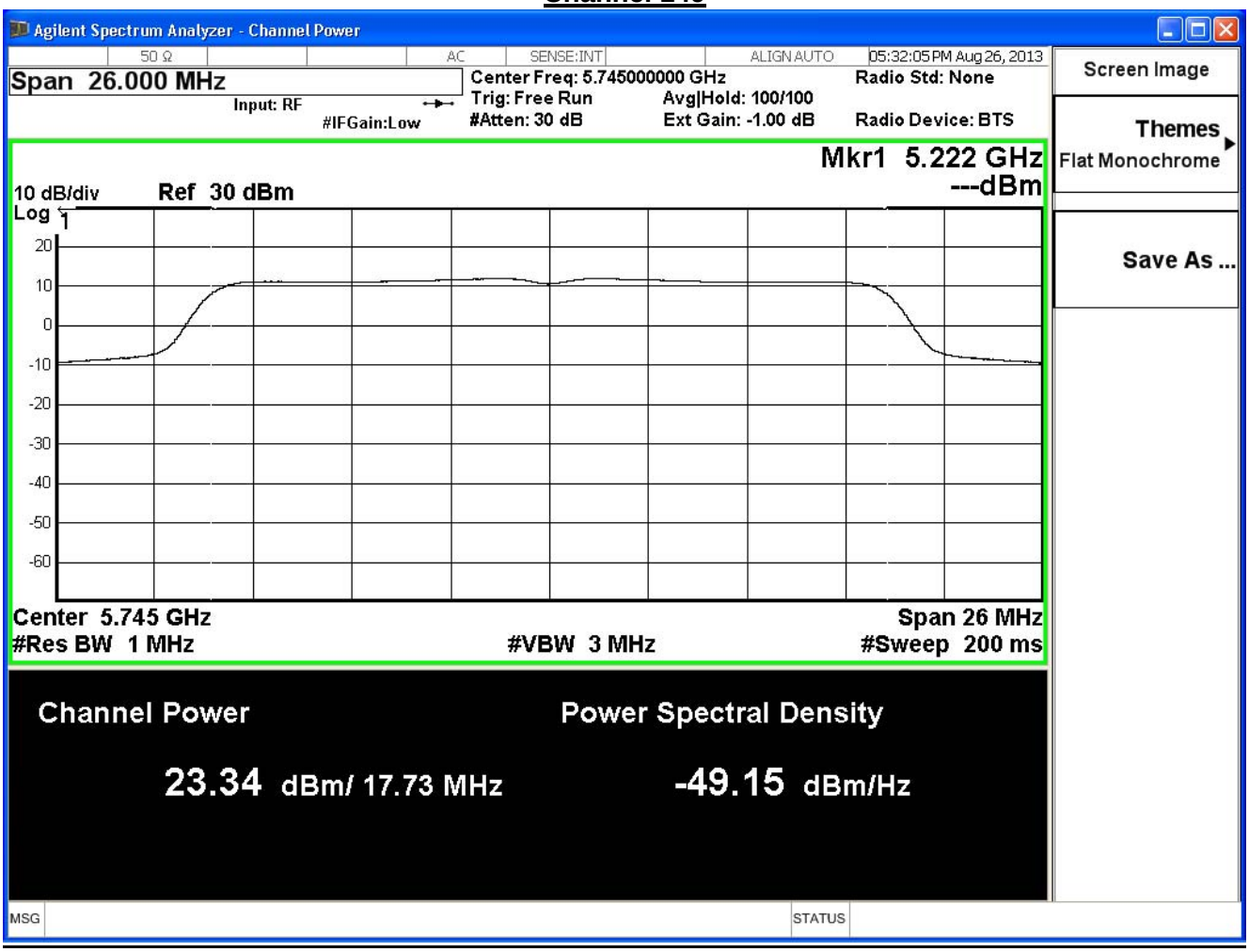
Note:

Measure Level =Reading value + cable loss

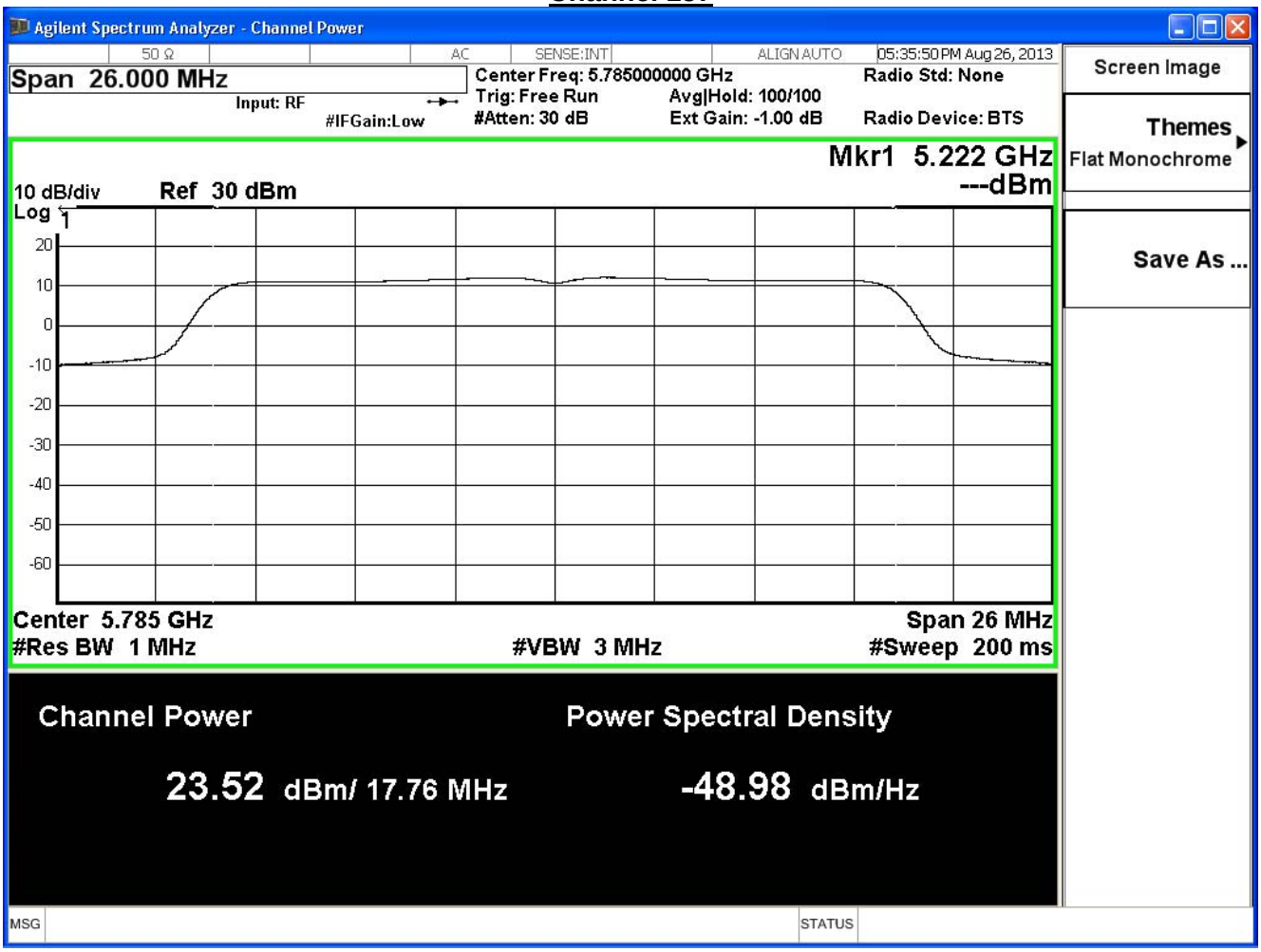
Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

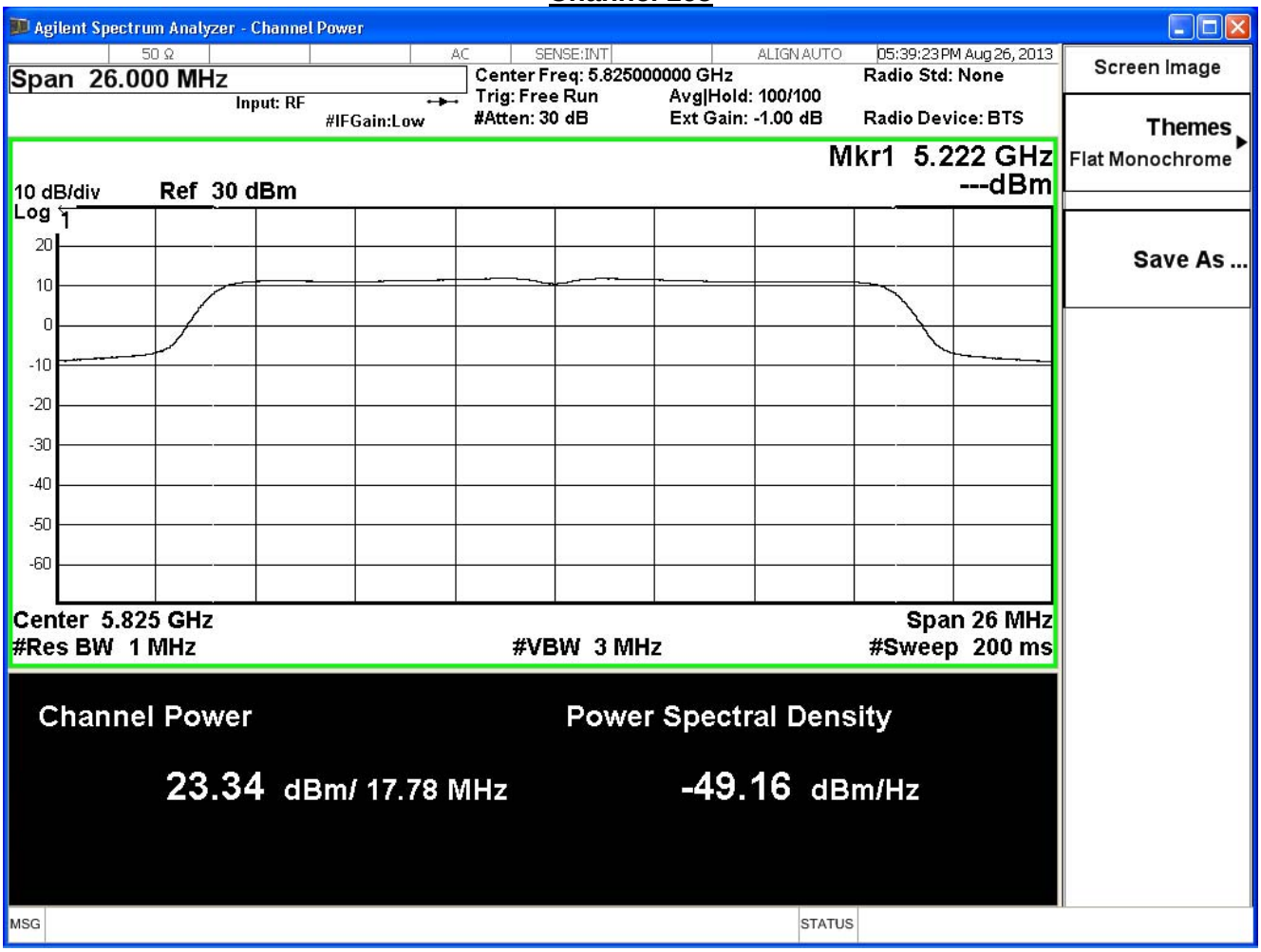
Channel 149


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:32:05 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.745 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.34 dBm/ 17.73 MHz
Power Spectral Density
-49.15 dBm/Hz
MSG
STATUS
Screen Image
Themes
Flat Monochrome
Save As ...

Channel 157


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:35:50 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.785 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.52 dBm/ 17.76 MHz
Power Spectral Density
-48.98 dBm/Hz
MSG
STATUS

Channel 165


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:39:23 PM Aug 26, 2013
Span 26.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.825 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
#Sweep 200 ms
Channel Power
23.34 dBm/ 17.78 MHz
Power Spectral Density
-49.16 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	27.96	≦28.23	Pass
157	5785	28.19	≦28.23	Pass
165	5825	27.96	≦28.23	Pass

Note:

Measure Level =Reading value + cable loss

Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (CDD mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.94	≦28.23	Pass
159	5795	23.47	≦28.23	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	20.94	20.92	20.81	20.70	20.69	20.58	20.47	20.26	≦28.23
159	5795	23.47	--	--	--	--	--	--	--	≦28.23

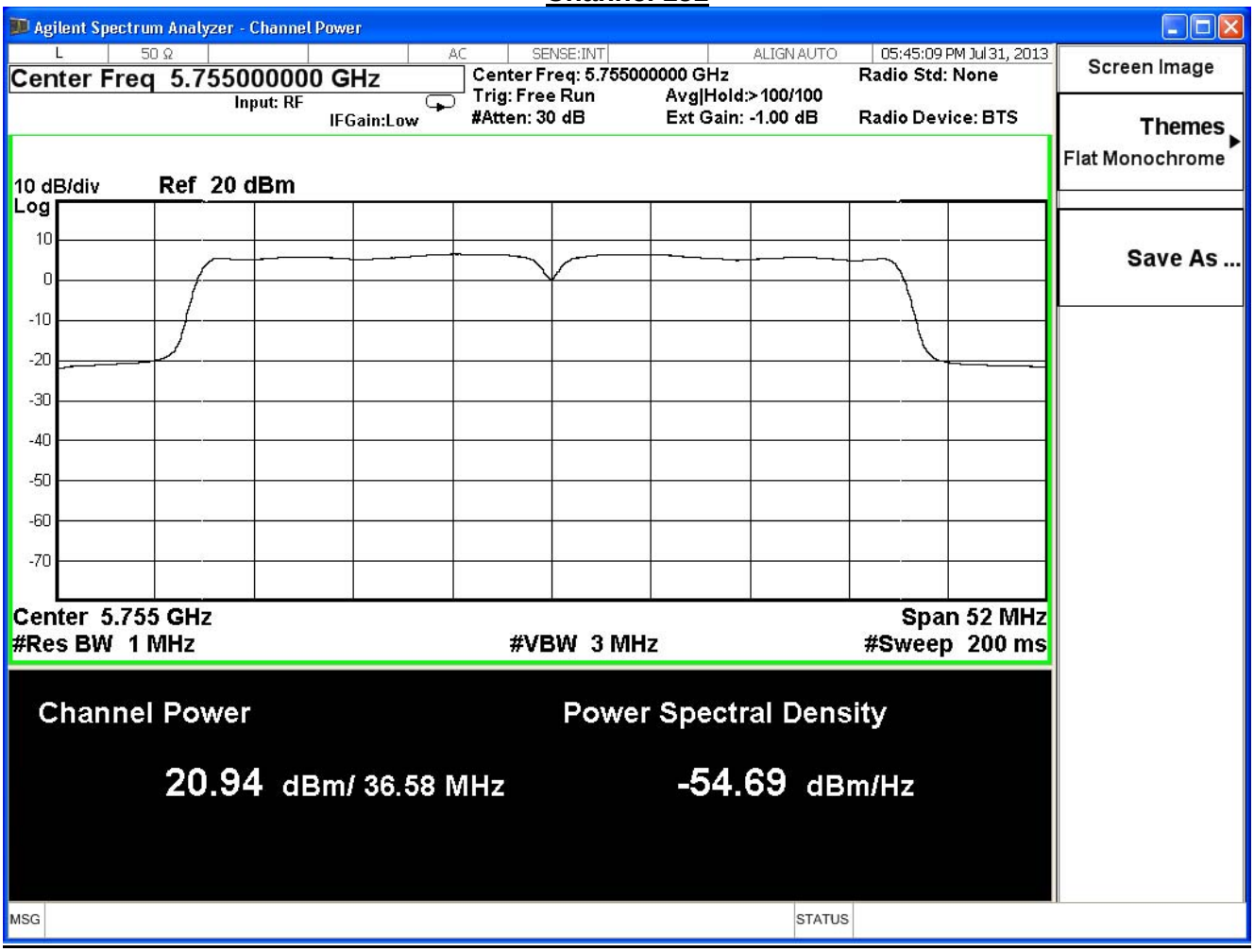
Note:

Measure Level =Reading value + cable loss

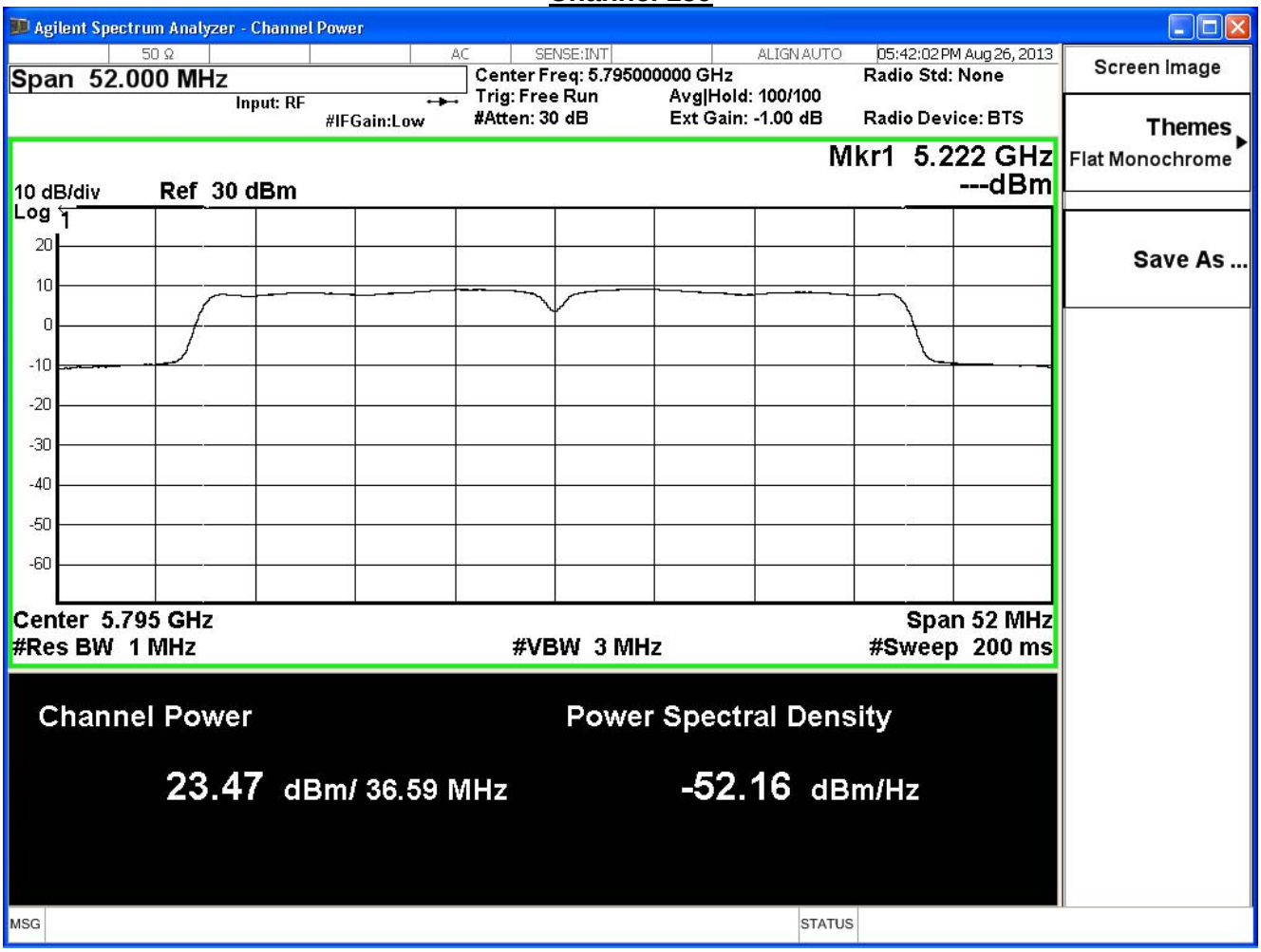
Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
L
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:45:09 PM Jul 31, 2013
Center Freq 5.755000000 GHz
Input: RF
IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>100/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
20.94 dBm/ 36.58 MHz
Power Spectral Density
-54.69 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:42:02 PM Aug 26, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
23.47 dBm/ 36.59 MHz
Power Spectral Density
-52.16 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.49	≦28.23	Pass
159	5795	23.12	≦28.23	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	20.49	20.38	20.37	20.36	20.35	20.34	20.33	20.32	≦28.23
159	5795	23.12	--	--	--	--	--	--	--	≦28.23

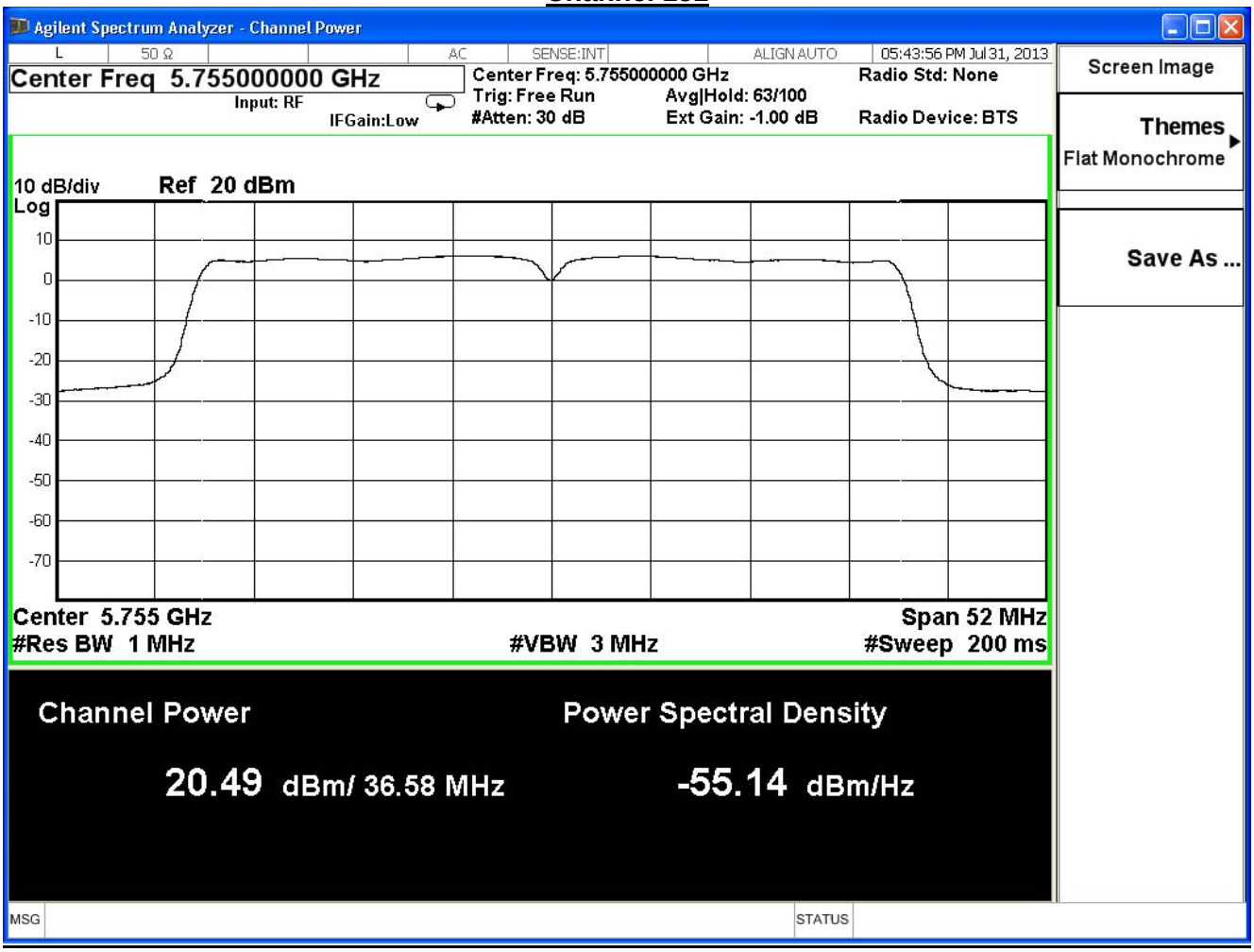
Note:

Measure Level =Reading value + cable loss

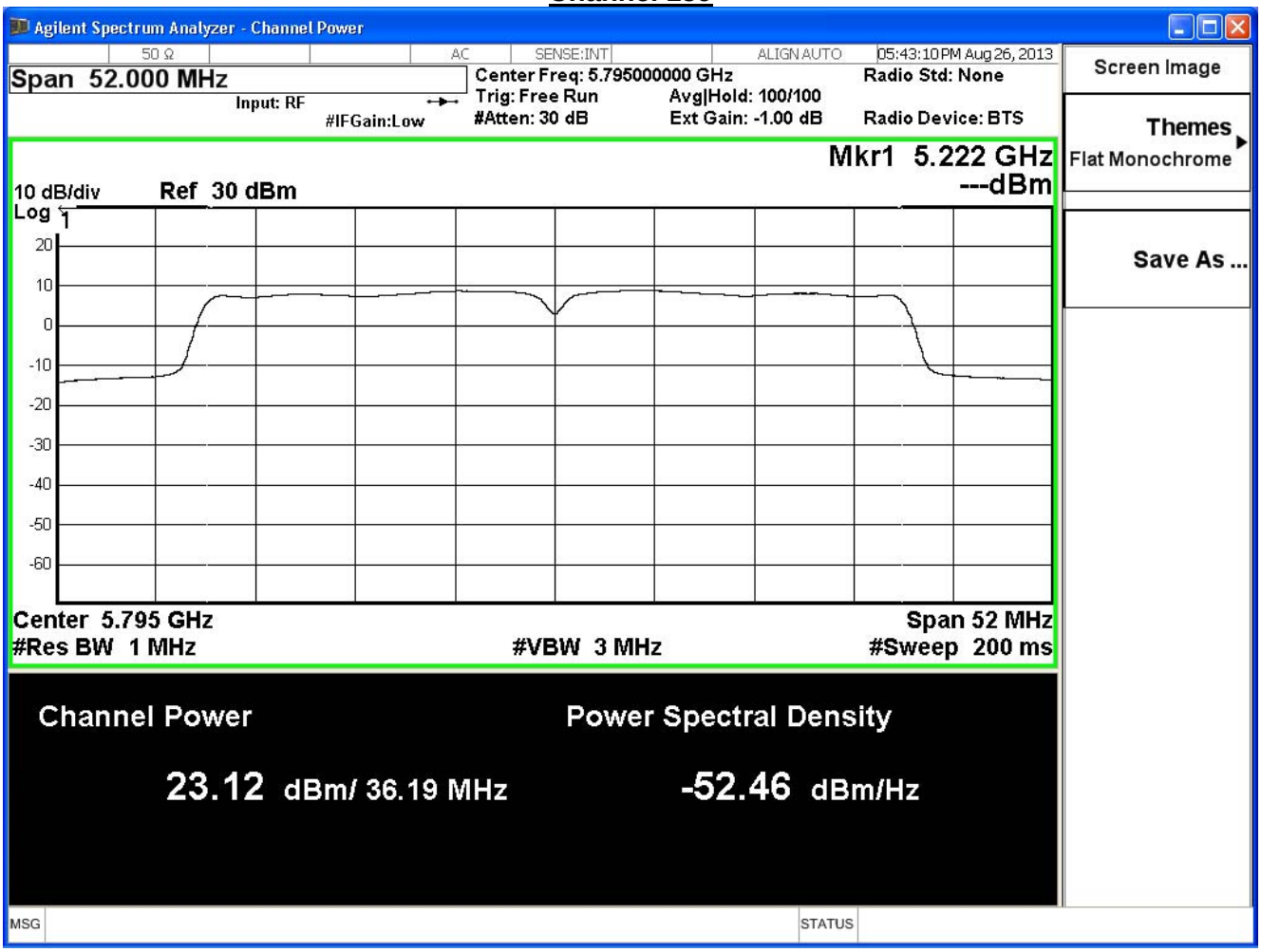
Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
L
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:43:56 PM Jul 31, 2013
Center Freq 5.755000000 GHz
Input: RF
IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 63/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
20.49 dBm/ 36.58 MHz
Power Spectral Density
-55.14 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:43:10 PM Aug 26, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
23.12 dBm/ 36.19 MHz
Power Spectral Density
-52.46 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	20.45	≦28.23	Pass
159	5795	23.69	≦28.23	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	20.45	20.44	20.33	20.32	20.31	20.20	20.29	20.28	≦28.23
159	5795	23.69	--	--	--	--	--	--	--	≦28.23

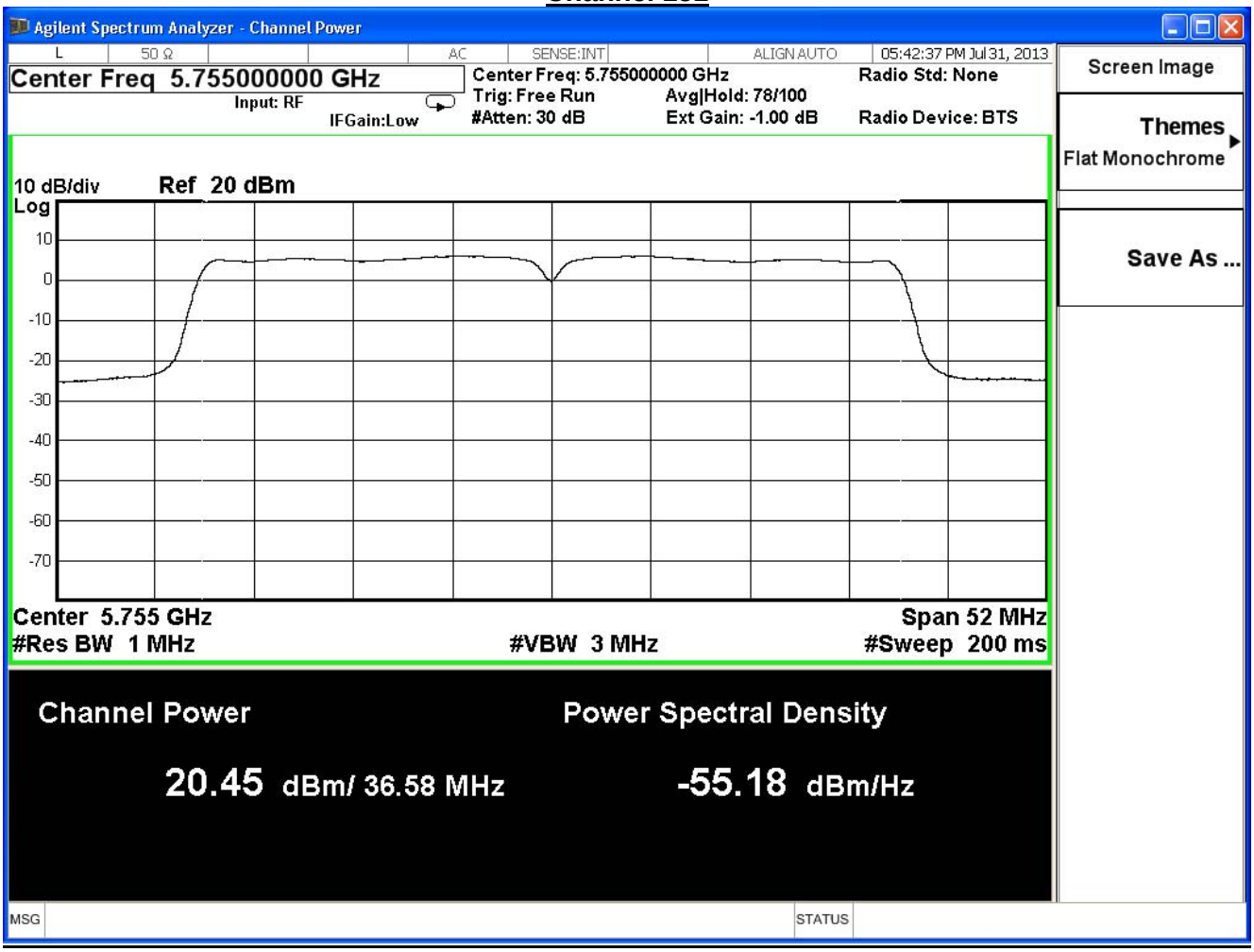
Note:

Measure Level =Reading value + cable loss

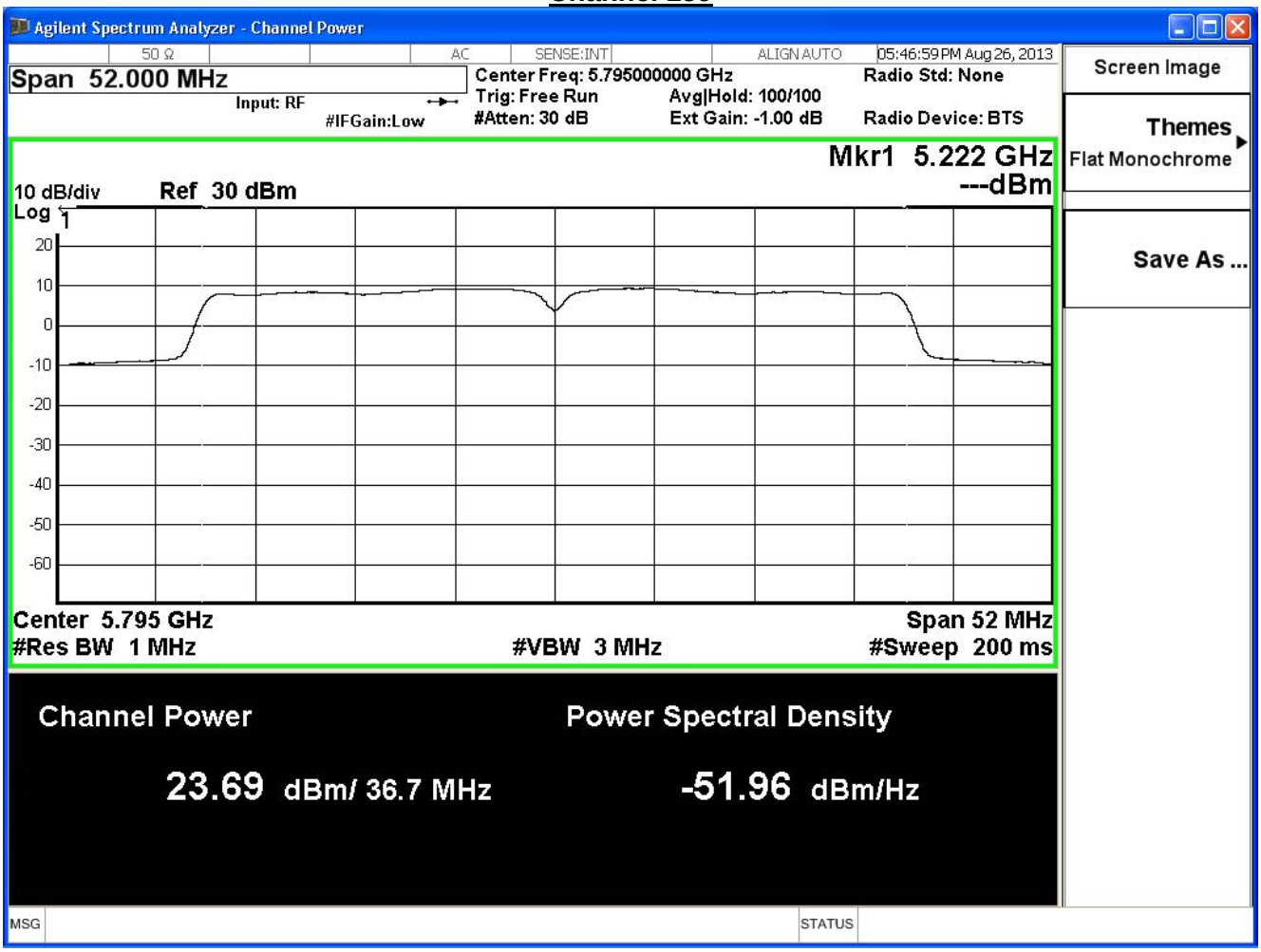
Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Channel 151


Agilent Spectrum Analyzer - Channel Power
L
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:42:37 PM Jul 31, 2013
Center Freq 5.755000000 GHz
Input: RF
IFGain:Low
Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 78/100
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
20.45 dBm/ 36.58 MHz
Power Spectral Density
-55.18 dBm/Hz
MSG
STATUS

Channel 159


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
05:46:59 PM Aug 26, 2013
Span 52.000 MHz
Input: RF
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Screen Image
Themes
Flat Monochrome
Save As ...
Mkr1 5.222 GHz
---dBm
10 dB/div
Ref 30 dBm
Log
1
20
10
0
-10
-20
-30
-40
-50
-60
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
#Sweep 200 ms
Channel Power
23.69 dBm/ 36.7 MHz
Power Spectral Density
-51.96 dBm/Hz
MSG
STATUS

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	25.40	≦28.23	Pass
159	5795	28.21	≦28.23	Pass

Note:

Measure Level =Reading value + cable loss

Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	20.46	≦28.23	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	20.46	20.36	20.25	20.14	20.03	19.92	19.91	19.88	19.87	19.86

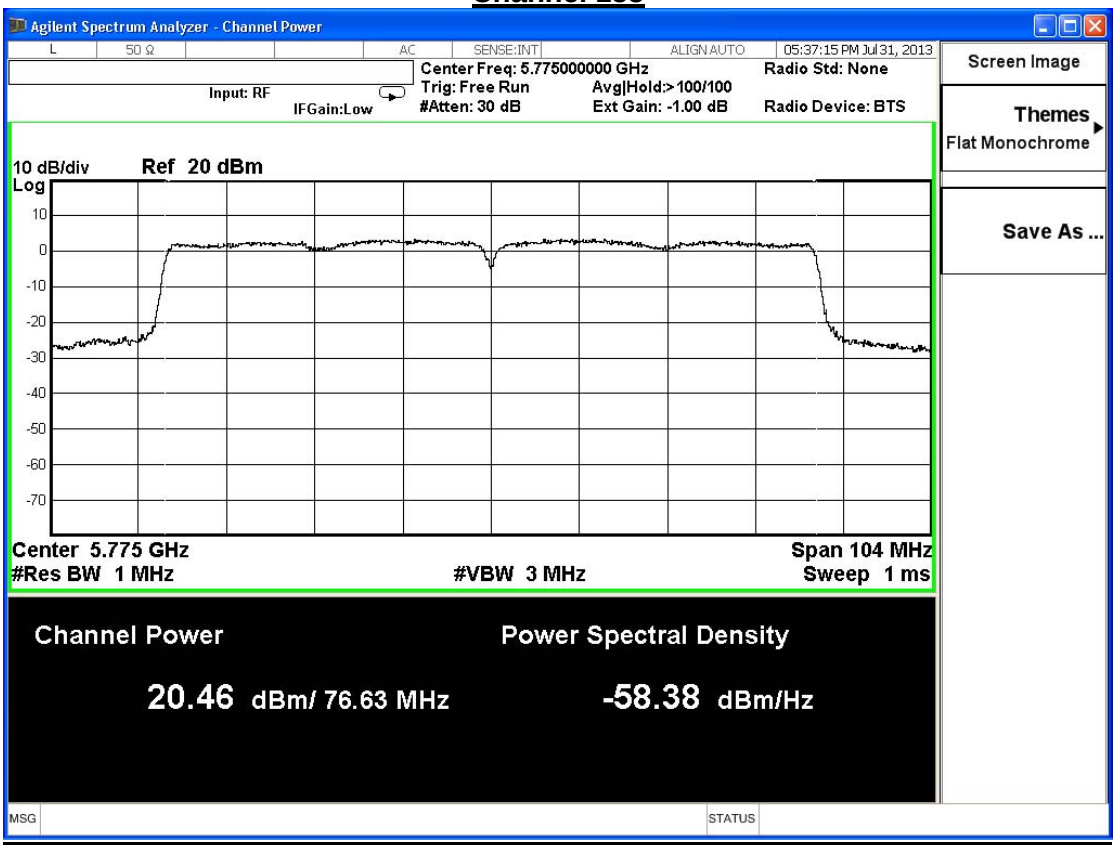
Note:

Measure Level =Reading value + cable loss

Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Channel 155



Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	20.05	≦28.23	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	20.05	20.04	20.03	19.92	19.81	19.79	19.68	19.57	19.46	19.35

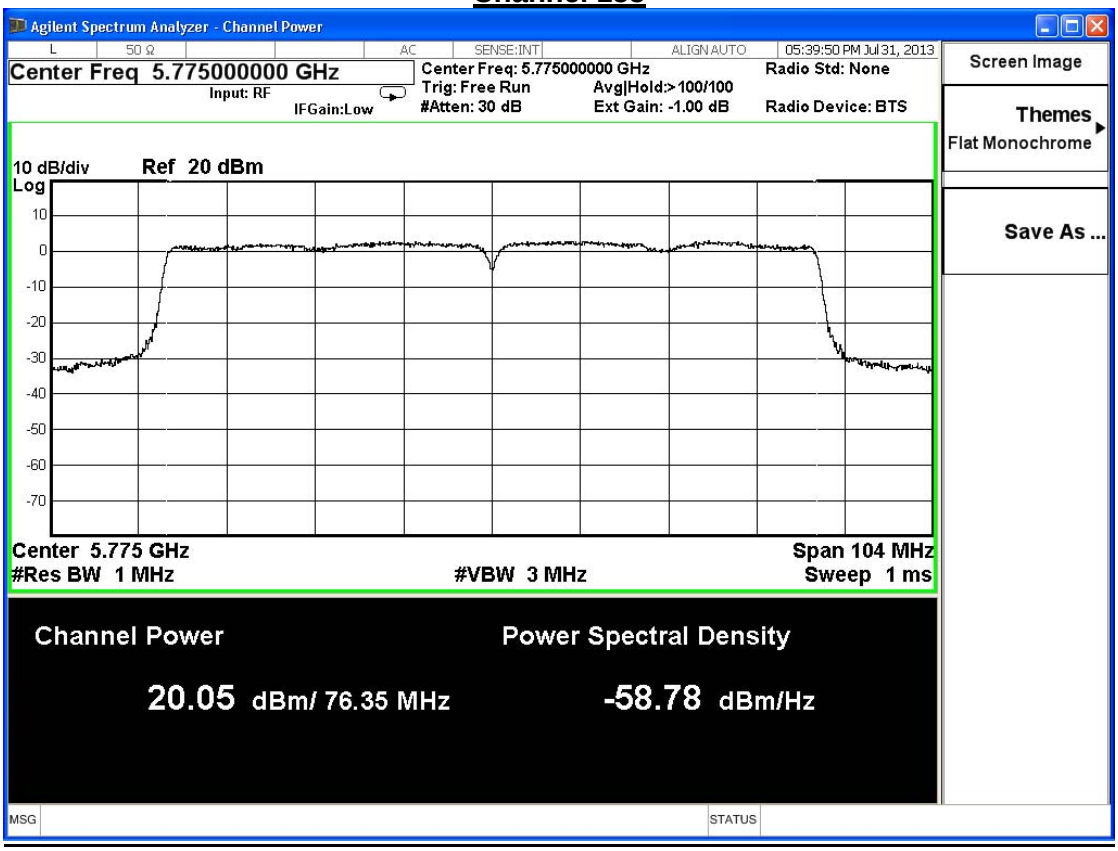
Note:

Measure Level =Reading value + cable loss

Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

Channel 155



Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11ac 80MHz (ANT2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	20.02	≦28.23	Pass

The worst emission of data rate is 87.9 Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel No	Frequency (MHz)	Data Rate									
		87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170
155	5775	20.02	20.01	19.98	19.78	19.67	19.66	19.65	19.54	19.53	19.52

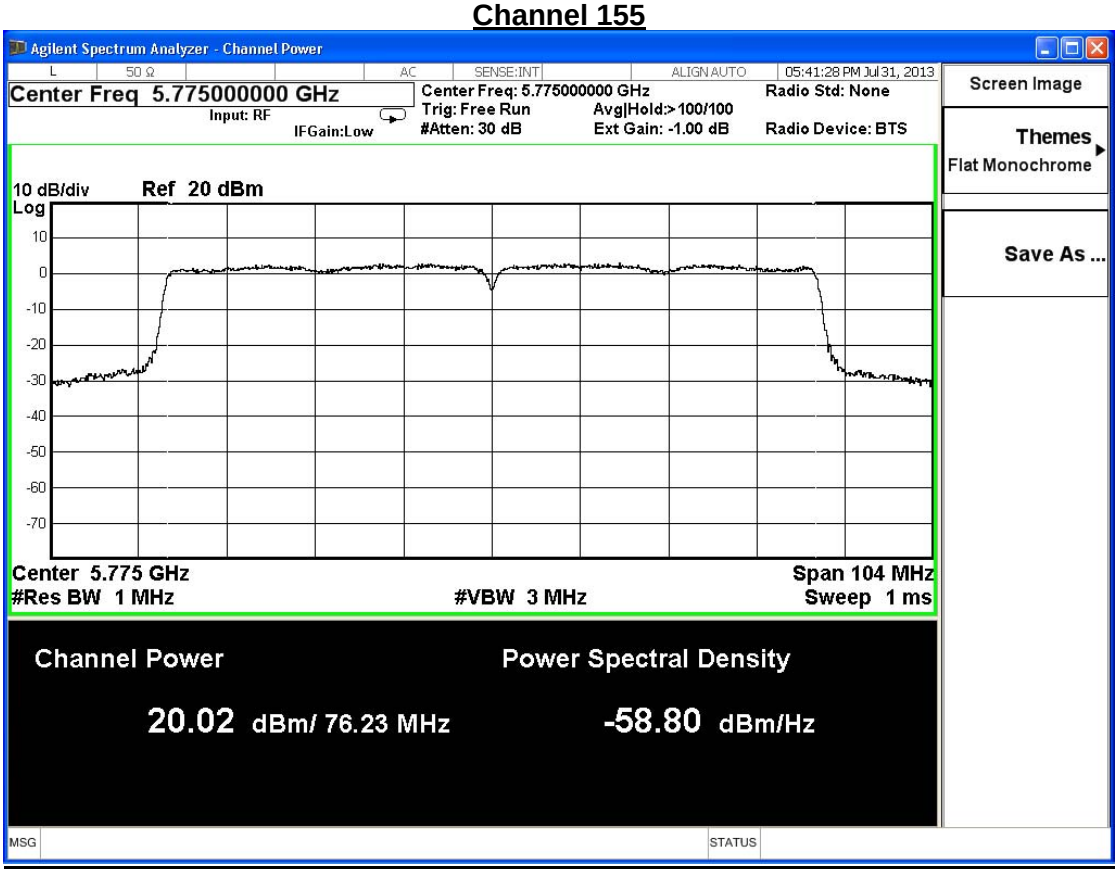
Note:

Measure Level =Reading value + cable loss

Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm m

Channel 155



Product	Dual Band 3x3 802.11ac PCI-E Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 2: Transmit (Beamforming mode)		
Date of Test	2013/08/26	Test Site	SR7

IEEE 802.11ac 80MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	24.95	≦28.23	Pass

Note:

Measure Level =Reading value + cable loss

Total Gain =10log(3) + Antenna Gain = 7.77dBi

Required Limit = 30dBm - (7.77dBi - 6dBi) = 30 – 1.77 = 28.23 dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / CB1

30MHz-1GHz Spurious:

2.4GHz: IEEE 802.11b/g/IEEE 802.11n (20MHz)/ IEEE 802.11n (40MHz)(CH3/9)

5.8GHz: All

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2013/02/02
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2012/12/05
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2013/03/01
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/02/07
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

30MHz-1GHz Spurious:

2.4GHz: IEEE 802.11n (40MHz)(CH6)

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2013/12/02
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2014/02/19
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

Above 1GHz Spurious (2.4G):

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895(CB1)	2014/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2014/06/09
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2014/02/19
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

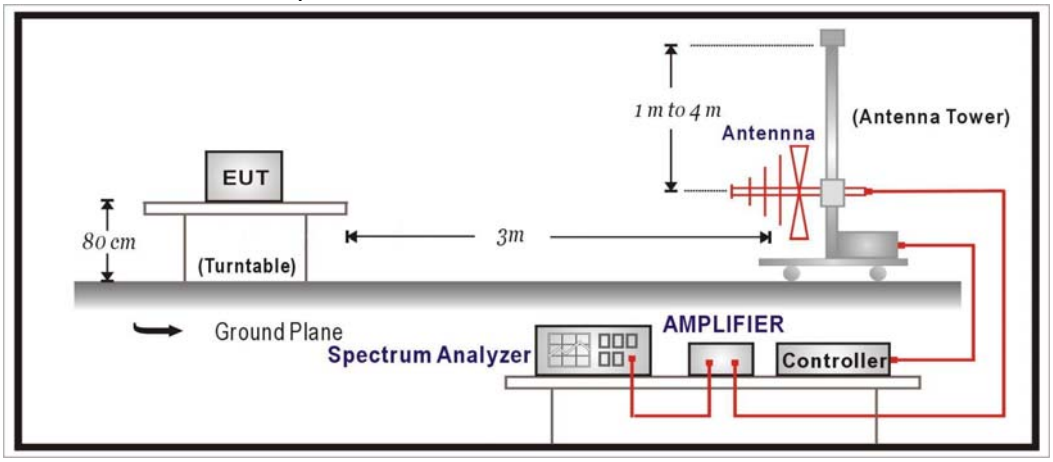
Above 1GHz Spurious (5.8G):

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2014/06/09
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2014/02/19
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

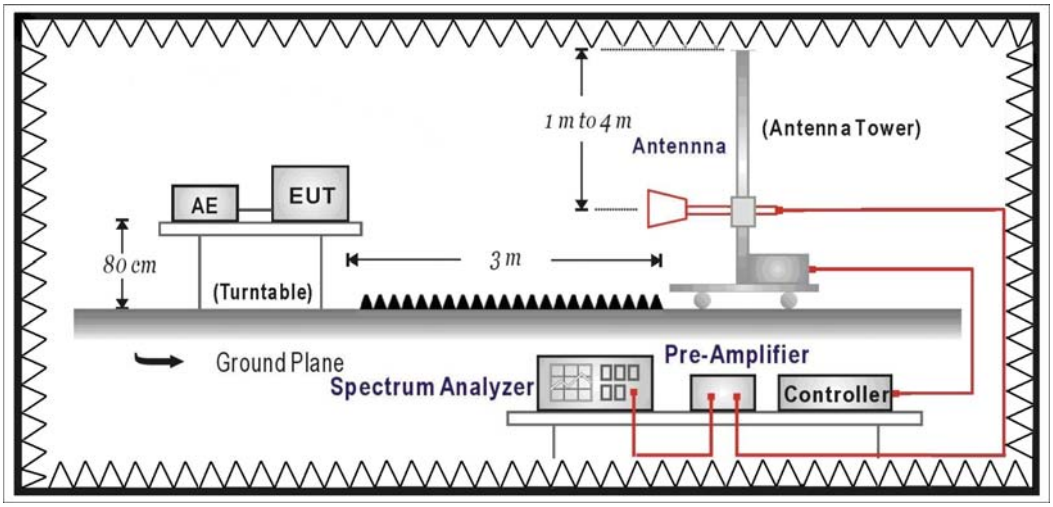
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

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

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
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 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 C63.4: 2009 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

4.6. Uncertainty

The measurement uncertainty

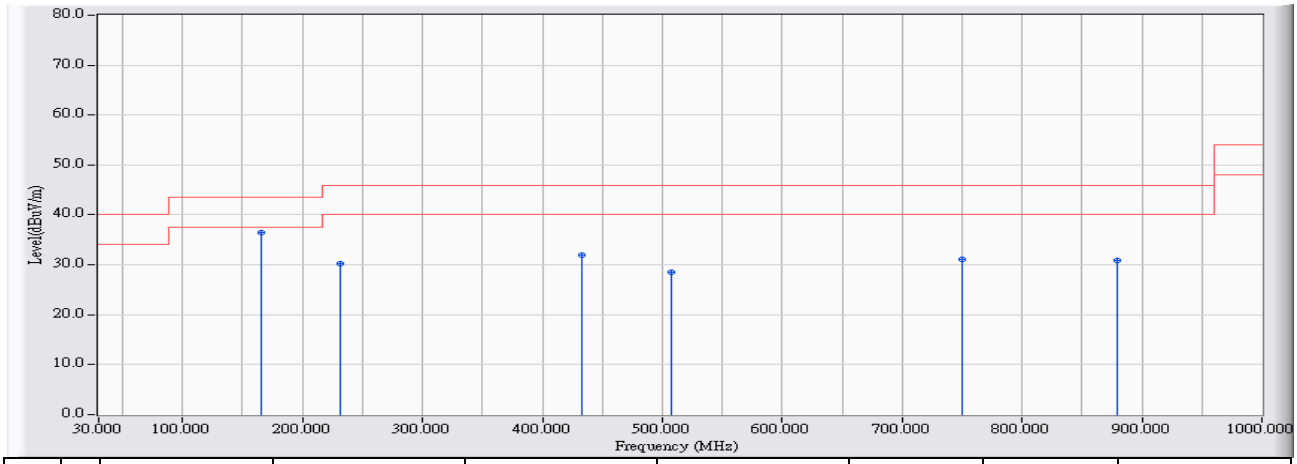
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2012/10/13 - 15:06
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : DC 3.3V (Power by PC)
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11b

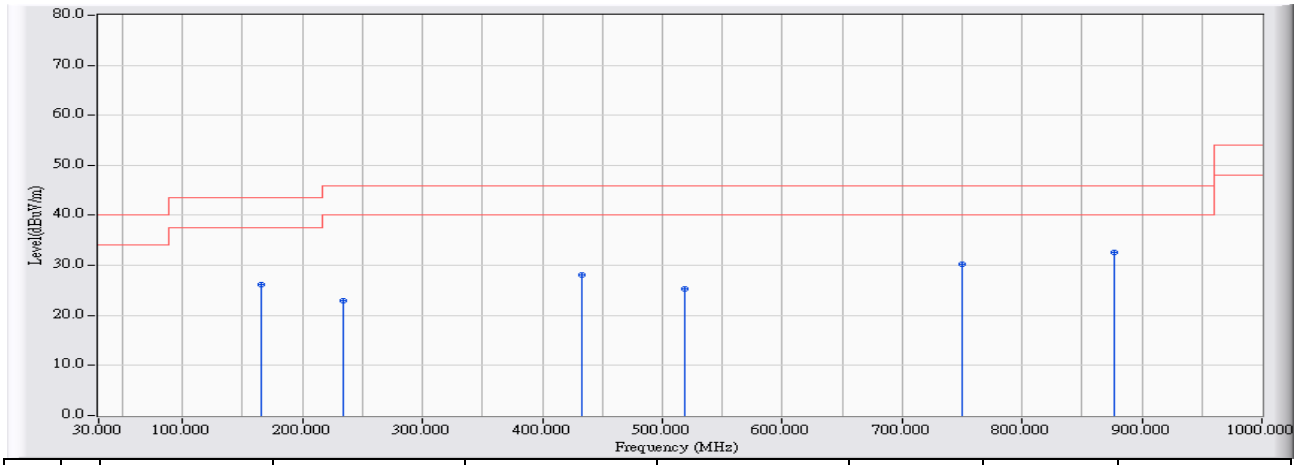


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	165.800	-14.160	50.680	36.520	-6.980	43.500	QUASIPEAK
2		232.083	-12.374	42.720	30.346	-15.654	46.000	QUASIPEAK
3		432.550	-6.695	38.693	31.998	-14.002	46.000	QUASIPEAK
4		506.917	-5.287	33.808	28.521	-17.479	46.000	QUASIPEAK
5		749.417	-3.297	34.340	31.044	-14.956	46.000	QUASIPEAK
6		878.750	-2.143	32.935	30.792	-15.208	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 : 2012/10/13 - 15:06**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11b**

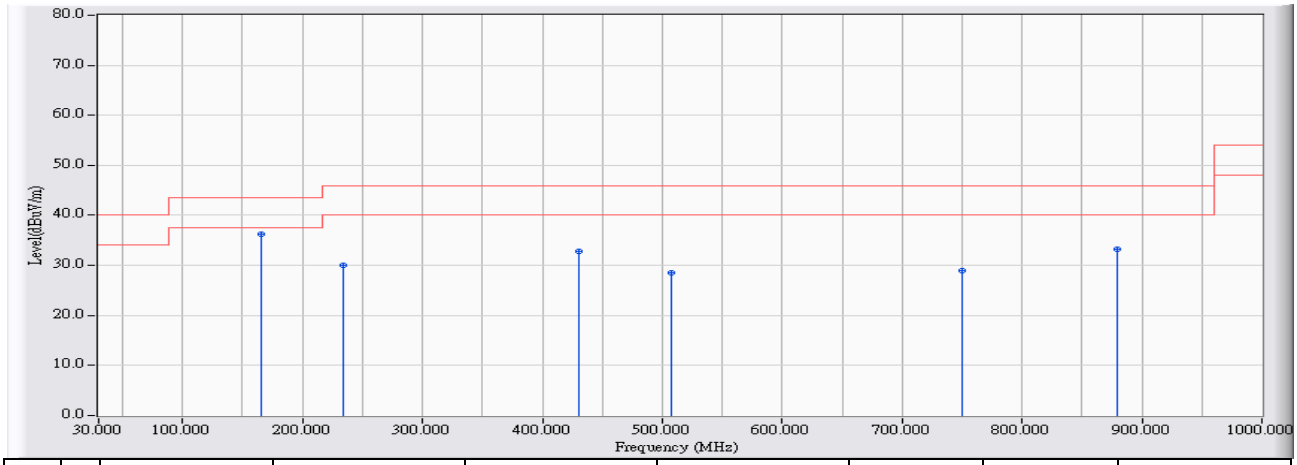


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	40.259	26.099	-17.401	43.500	QUASIPEAK
2		233.700	-12.256	35.129	22.873	-23.127	46.000	QUASIPEAK
3		432.550	-6.695	34.685	27.990	-18.010	46.000	QUASIPEAK
4		518.233	-5.141	30.475	25.334	-20.666	46.000	QUASIPEAK
5		749.417	-3.297	33.461	30.165	-15.835	46.000	QUASIPEAK
6	*	877.133	-2.154	34.817	32.663	-13.337	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 : 2012/10/13 - 15:06**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11g**

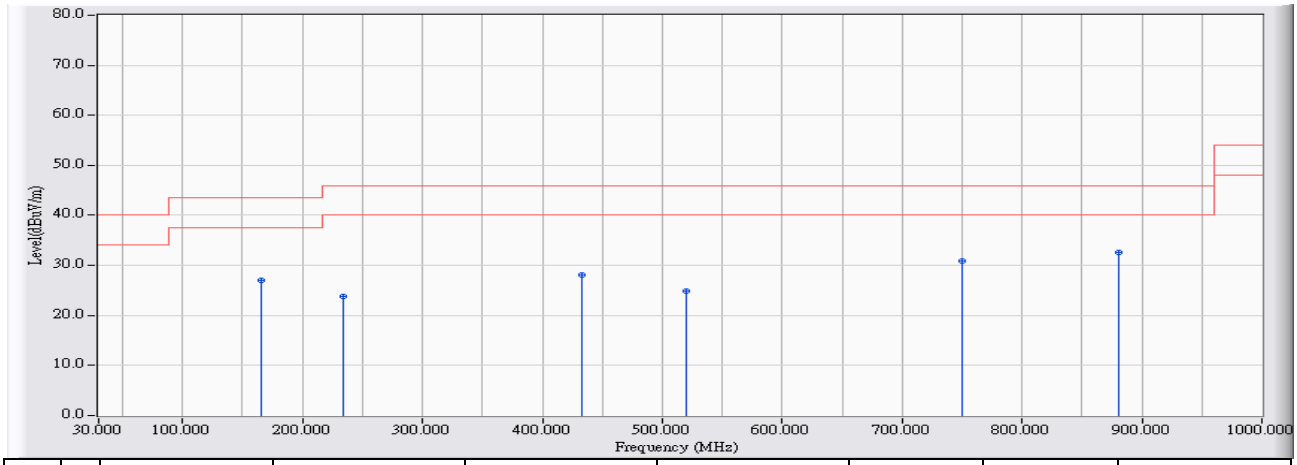


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	165.800	-14.160	50.474	36.314	-7.186	43.500	QUASIPEAK
2		233.700	-12.256	42.247	29.991	-16.009	46.000	QUASIPEAK
3		430.933	-6.728	39.551	32.822	-13.178	46.000	QUASIPEAK
4		506.917	-5.287	33.885	28.598	-17.402	46.000	QUASIPEAK
5		749.417	-3.297	32.303	29.007	-16.993	46.000	QUASIPEAK
6		878.750	-2.143	35.428	33.285	-12.715	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 : 2012/10/13 - 15:07**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11g**

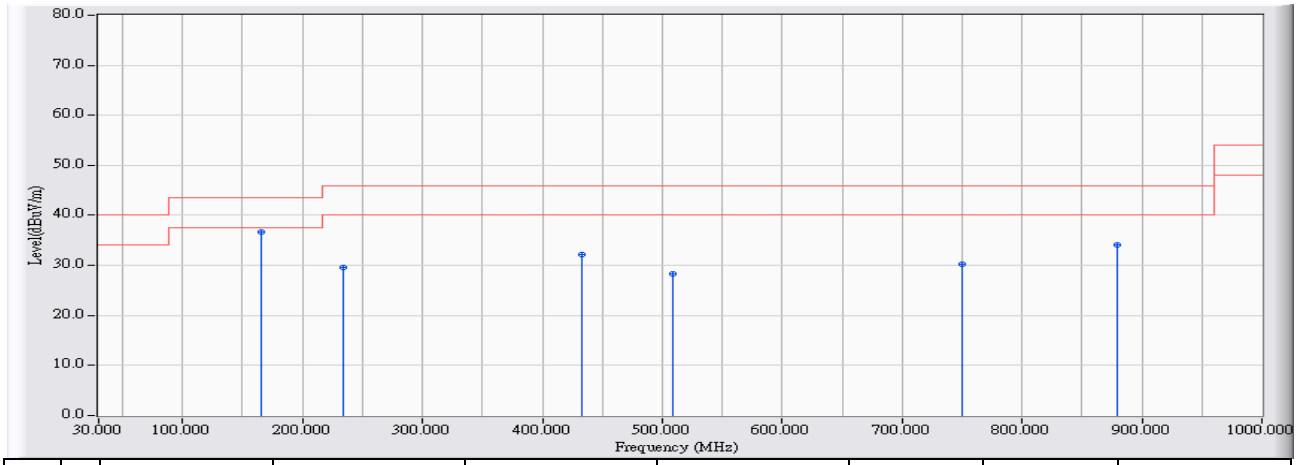


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	41.269	27.109	-16.391	43.500	QUASIPEAK
2		233.700	-12.256	36.152	23.896	-22.104	46.000	QUASIPEAK
3		432.550	-6.695	34.845	28.150	-17.850	46.000	QUASIPEAK
4		519.850	-5.119	30.069	24.949	-21.051	46.000	QUASIPEAK
5		749.417	-3.297	34.267	30.971	-15.029	46.000	QUASIPEAK
6	*	880.367	-2.133	34.821	32.688	-13.312	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 : 2012/10/13 - 15:07**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11n(20M)**

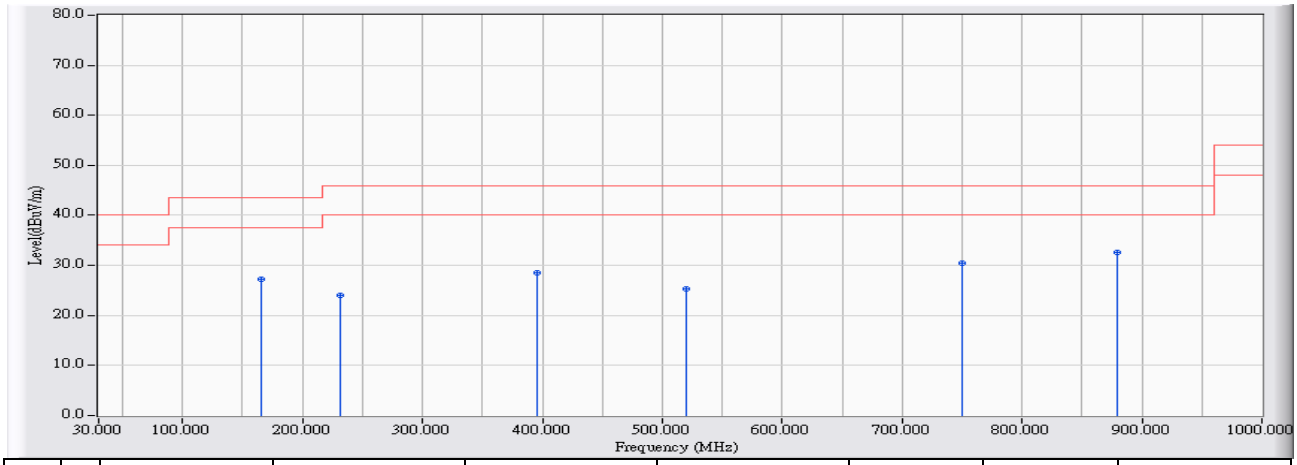


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	165.800	-14.160	50.739	36.579	-6.921	43.500	QUASIPEAK
2		233.700	-12.256	41.953	29.697	-16.303	46.000	QUASIPEAK
3		432.550	-6.695	38.944	32.249	-13.751	46.000	QUASIPEAK
4		508.533	-5.266	33.599	28.333	-17.667	46.000	QUASIPEAK
5		749.417	-3.297	33.603	30.307	-15.693	46.000	QUASIPEAK
6		878.750	-2.143	36.296	34.153	-11.847	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 : 2012/10/13 - 15:07**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11n(20M)**

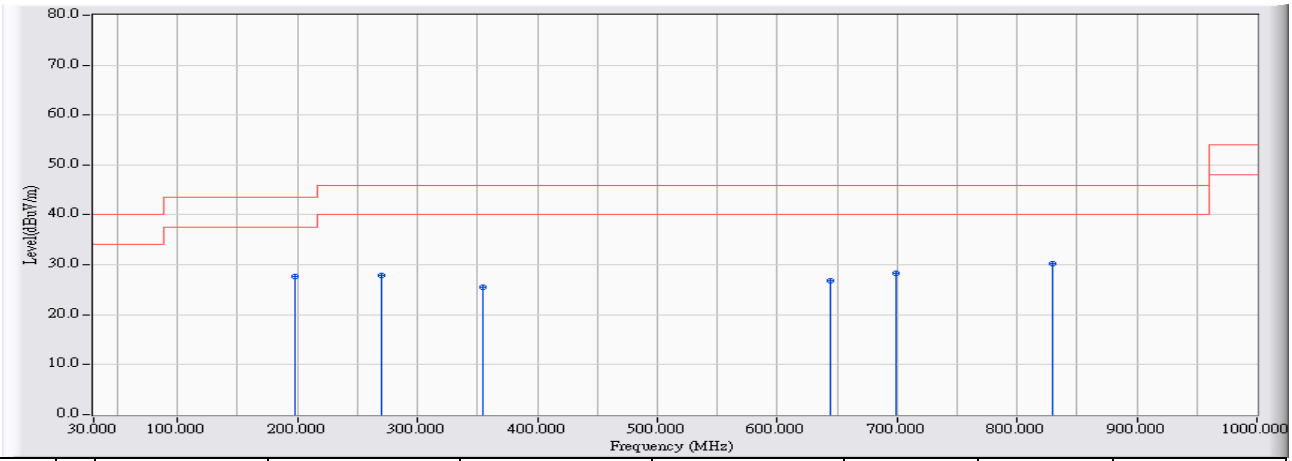


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	41.411	27.251	-16.249	43.500	QUASIPEAK
2		232.083	-12.374	36.494	24.120	-21.880	46.000	QUASIPEAK
3		395.367	-7.504	35.959	28.455	-17.545	46.000	QUASIPEAK
4		519.850	-5.119	30.485	25.365	-20.635	46.000	QUASIPEAK
5		749.417	-3.297	33.837	30.541	-15.459	46.000	QUASIPEAK
6	*	878.750	-2.143	34.759	32.616	-13.384	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 : 2013/07/31 - 18:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11n(40M)**

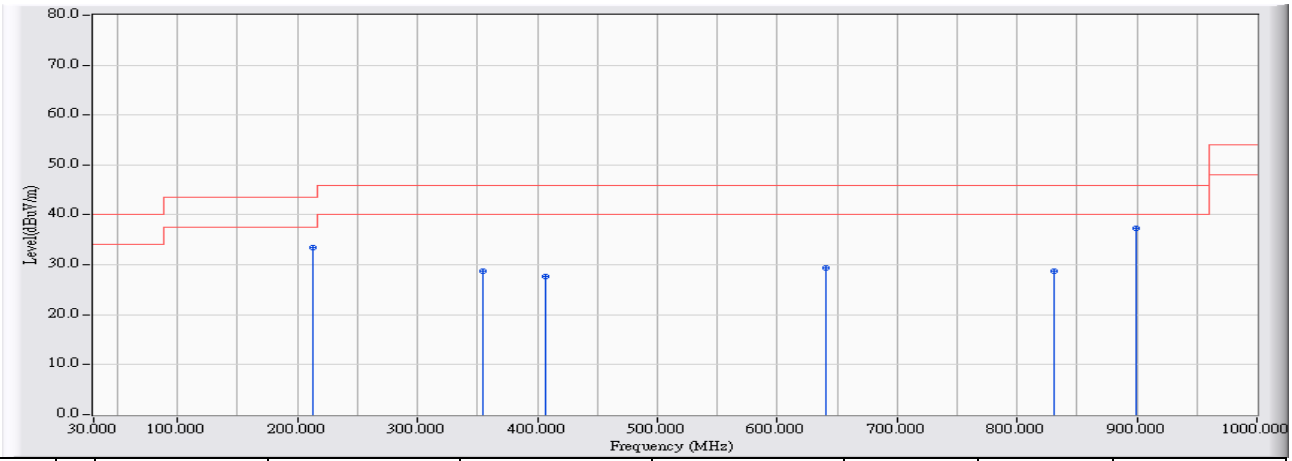


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	197.810	-14.652	42.361	27.709	-15.791	43.500	QUASIPEAK
2		270.560	-10.512	38.475	27.962	-18.038	46.000	QUASIPEAK
3		354.950	-8.568	34.042	25.475	-20.525	46.000	QUASIPEAK
4		644.010	-4.593	31.328	26.735	-19.265	46.000	QUASIPEAK
5		699.300	-4.231	32.588	28.357	-17.643	46.000	QUASIPEAK
6		829.280	-2.827	32.987	30.159	-15.841	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 : 2013/07/31 - 18:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 2437MHz,802.11n(40M)**

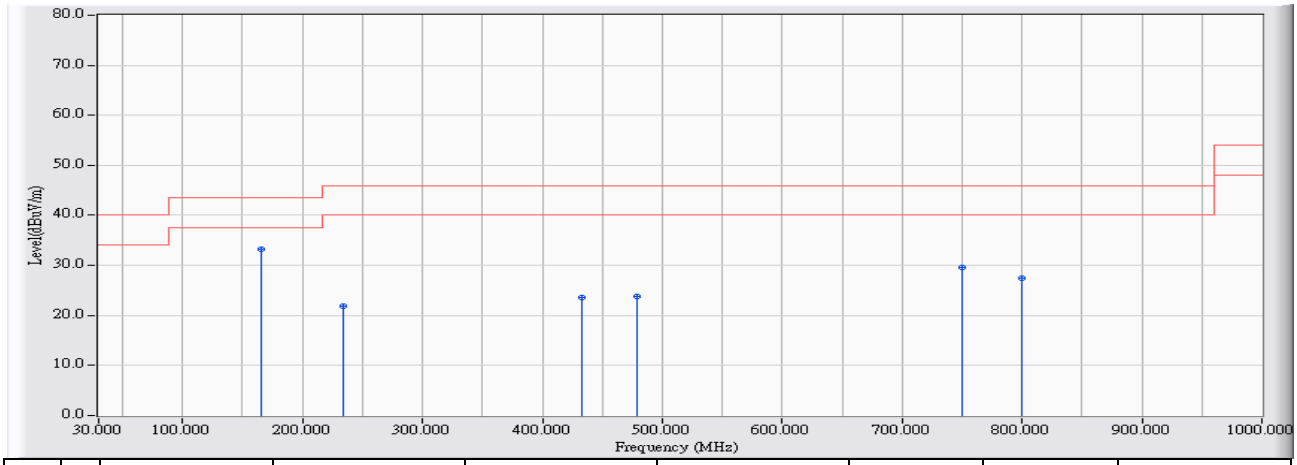


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		213.330	-13.669	47.084	33.415	-10.085	43.500	QUASIPEAK
2		354.950	-8.568	37.284	28.717	-17.283	46.000	QUASIPEAK
3		406.360	-7.259	34.978	27.719	-18.281	46.000	QUASIPEAK
4		640.130	-4.618	34.027	29.409	-16.591	46.000	QUASIPEAK
5		830.250	-2.822	31.594	28.772	-17.228	46.000	QUASIPEAK
6	*	899.120	-2.465	39.872	37.408	-8.592	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 : 2012/10/13 - 15:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5785MHz,802.11a**

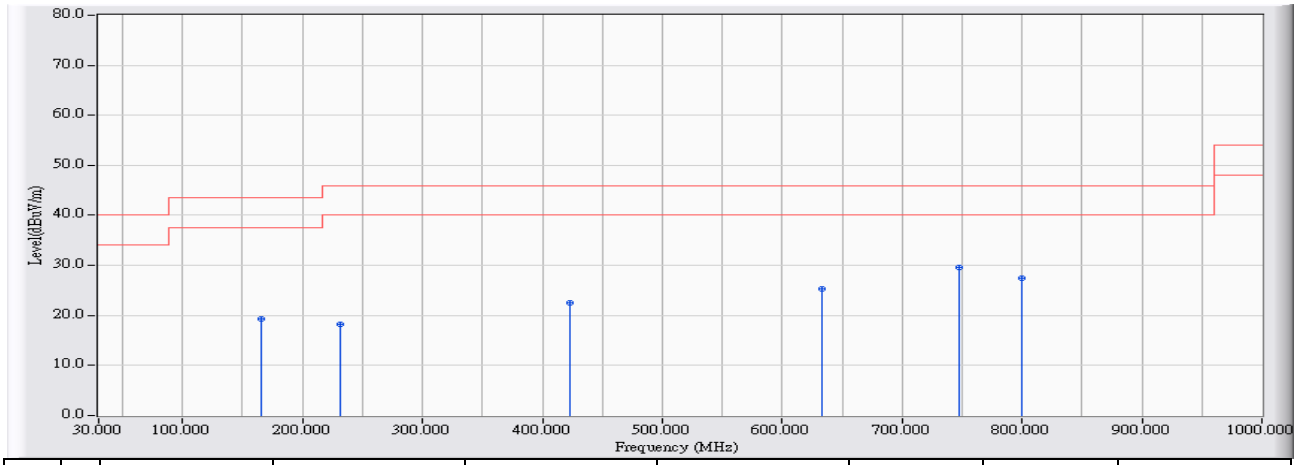


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	165.800	-14.160	47.387	33.227	-10.273	43.500	QUASIPEAK
2		233.700	-12.256	34.156	21.900	-24.100	46.000	QUASIPEAK
3		432.550	-6.695	30.292	23.597	-22.403	46.000	QUASIPEAK
4		479.433	-5.770	29.636	23.866	-22.134	46.000	QUASIPEAK
5		749.417	-3.297	32.861	29.565	-16.435	46.000	QUASIPEAK
6		799.533	-2.655	30.190	27.535	-18.465	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 : 2012/10/13 - 15:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5785MHz,802.11a**

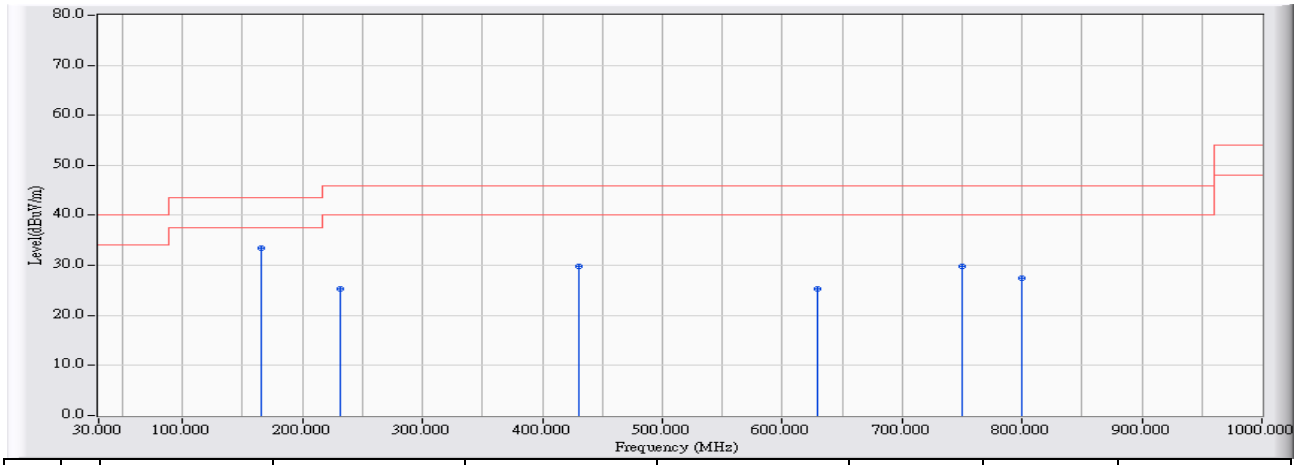


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	33.418	19.258	-24.242	43.500	QUASIPEAK
2		232.083	-12.374	30.584	18.210	-27.790	46.000	QUASIPEAK
3		422.850	-6.896	29.421	22.525	-23.475	46.000	QUASIPEAK
4		633.017	-4.167	29.438	25.271	-20.729	46.000	QUASIPEAK
5	*	747.800	-3.317	32.981	29.664	-16.336	46.000	QUASIPEAK
6		799.533	-2.655	30.162	27.507	-18.493	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 : 2012/10/13 - 15:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5785MHz,802.11n(20M)**

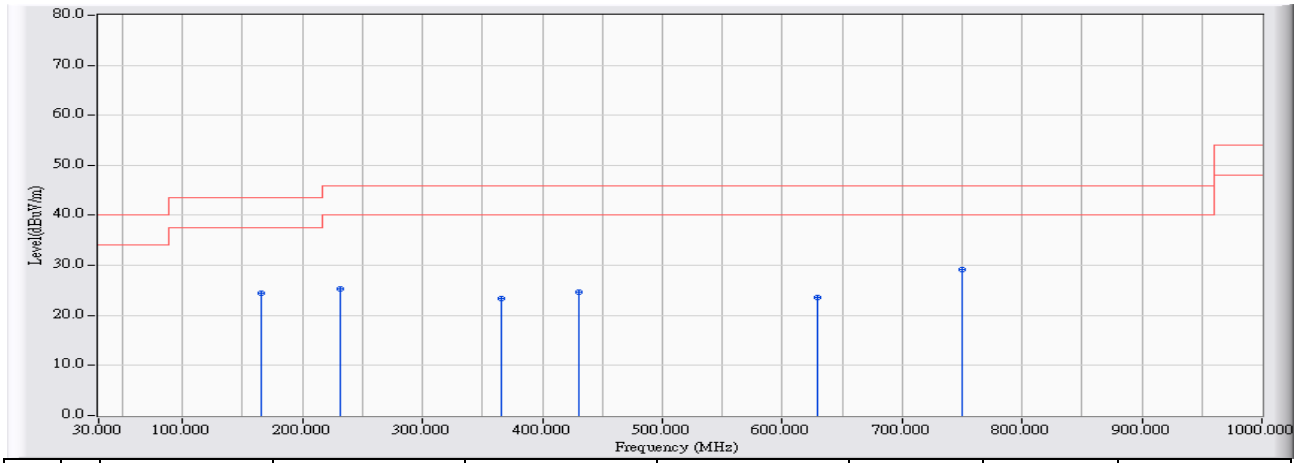


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	165.800	-14.160	47.583	33.423	-10.077	43.500	QUASIPEAK
2		232.083	-12.374	37.677	25.303	-20.697	46.000	QUASIPEAK
3		430.933	-6.728	36.440	29.711	-16.289	46.000	QUASIPEAK
4		629.783	-4.183	29.398	25.215	-20.785	46.000	QUASIPEAK
5		749.417	-3.297	33.097	29.801	-16.199	46.000	QUASIPEAK
6		799.533	-2.655	30.103	27.448	-18.552	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 : 2012/10/13 - 15:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5785MHz,802.11n(20M)**

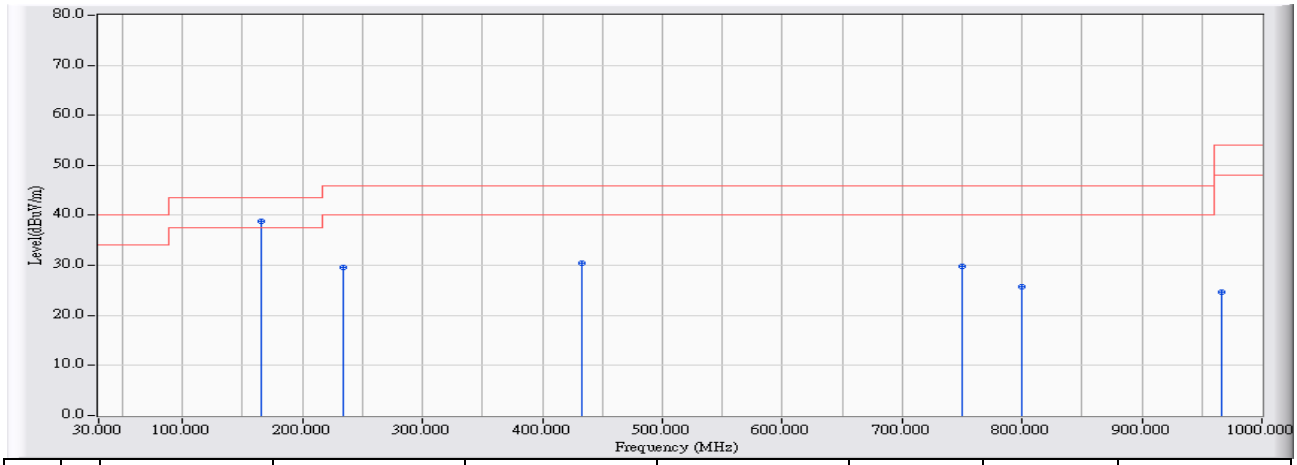


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	38.655	24.495	-19.005	43.500	QUASIPEAK
2		232.083	-12.374	37.661	25.287	-20.713	46.000	QUASIPEAK
3		366.267	-8.344	31.739	23.395	-22.605	46.000	QUASIPEAK
4		430.933	-6.728	31.413	24.684	-21.316	46.000	QUASIPEAK
5		629.783	-4.183	27.763	23.580	-22.420	46.000	QUASIPEAK
6	*	749.417	-3.297	32.533	29.237	-16.763	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 : 2012/10/13 - 15:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5755MHz,802.11n(40M)**

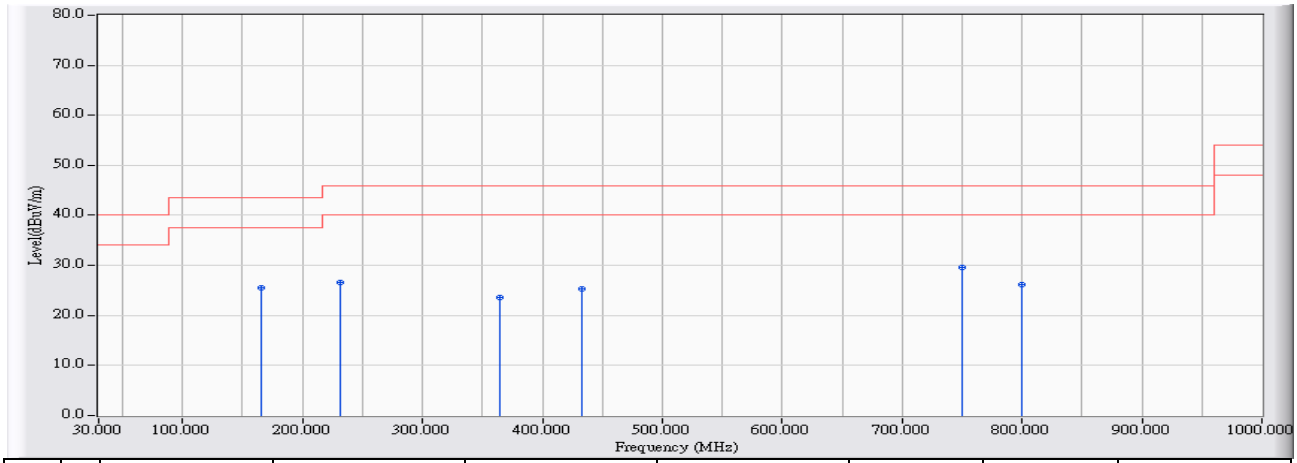


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	165.800	-14.160	52.965	38.805	-4.695	43.500	QUASIPEAK
2		233.700	-12.256	41.844	29.588	-16.412	46.000	QUASIPEAK
3		432.550	-6.695	37.242	30.547	-15.453	46.000	QUASIPEAK
4		749.417	-3.297	33.206	29.910	-16.090	46.000	QUASIPEAK
5		799.533	-2.655	28.372	25.717	-20.283	46.000	QUASIPEAK
6		966.050	-1.281	25.858	24.577	-29.423	54.000	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 : 2012/10/13 - 15:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5755MHz,802.11n(40M)**

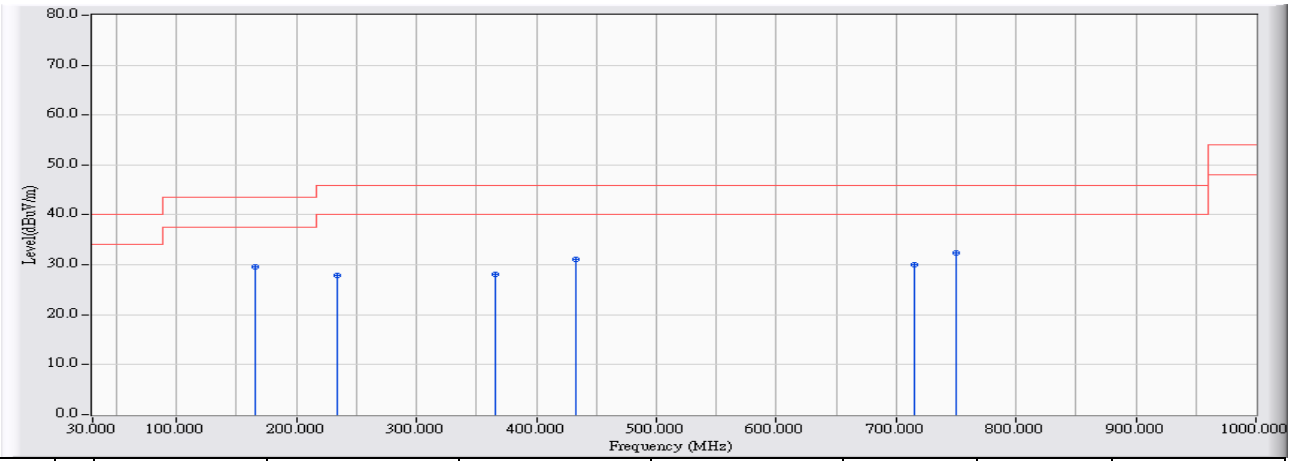


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	39.701	25.541	-17.959	43.500	QUASIPEAK
2		232.083	-12.374	38.960	26.586	-19.414	46.000	QUASIPEAK
3		364.650	-8.391	31.888	23.497	-22.503	46.000	QUASIPEAK
4		432.550	-6.695	31.906	25.211	-20.789	46.000	QUASIPEAK
5	*	749.417	-3.297	32.875	29.579	-16.421	46.000	QUASIPEAK
6		799.533	-2.655	28.856	26.201	-19.799	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 : 2012/11/07 - 19:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5775MHz,802.11ac(80M)**

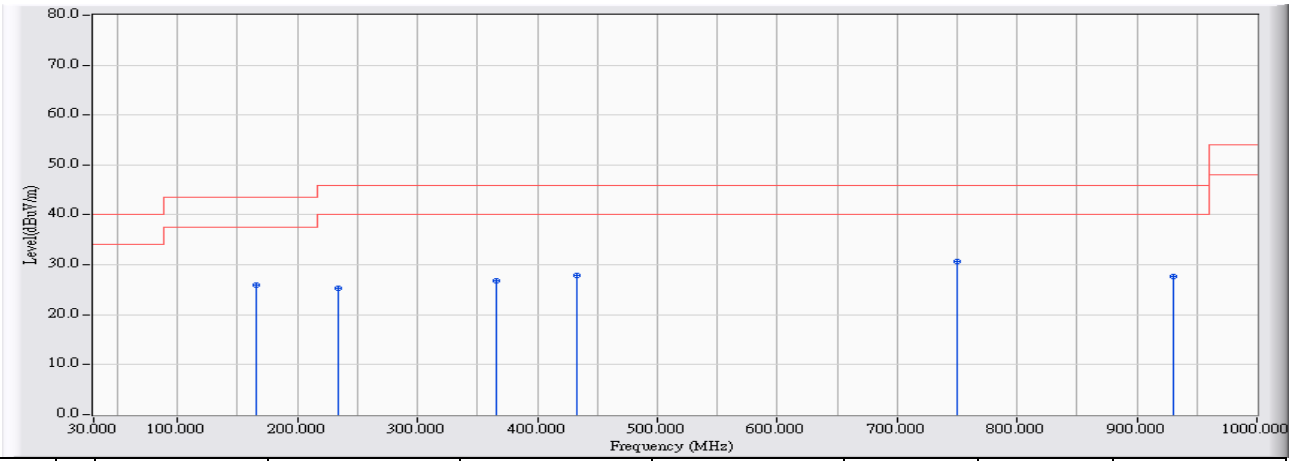


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	43.797	29.637	-13.863	43.500	QUASIPEAK
2		233.700	-12.256	40.088	27.832	-18.168	46.000	QUASIPEAK
3		366.267	-8.344	36.435	28.091	-17.909	46.000	QUASIPEAK
4		432.550	-6.695	37.833	31.138	-14.862	46.000	QUASIPEAK
5		715.467	-3.736	33.714	29.977	-16.023	46.000	QUASIPEAK
6	*	749.417	-3.297	35.776	32.480	-13.520	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 : 2012/11/07 - 19:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode) 5775MHz,802.11ac(80M)**



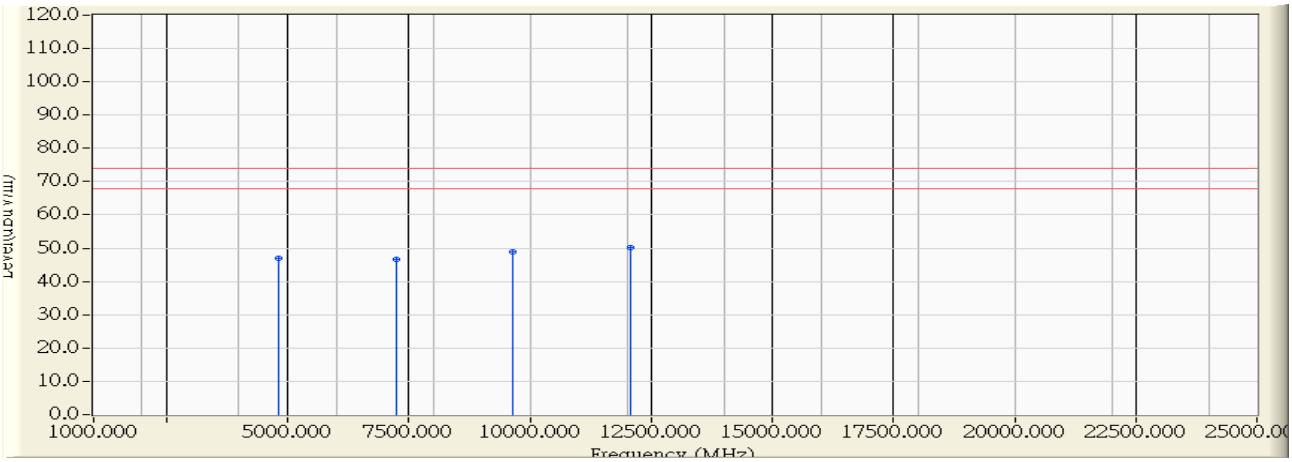
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		165.800	-14.160	40.190	26.030	-17.470	43.500	QUASIPEAK
2		233.700	-12.256	37.588	25.332	-20.668	46.000	QUASIPEAK
3		366.267	-8.344	35.200	26.856	-19.144	46.000	QUASIPEAK
4		432.550	-6.695	34.521	27.826	-18.174	46.000	QUASIPEAK
5	*	749.417	-3.297	34.069	30.773	-15.227	46.000	QUASIPEAK
6		930.483	-1.667	29.262	27.595	-18.405	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.

Above 1GHz Spurious

Site : CB1	**Time : 2013/08/28 - 17:52**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11b_2412MHz**

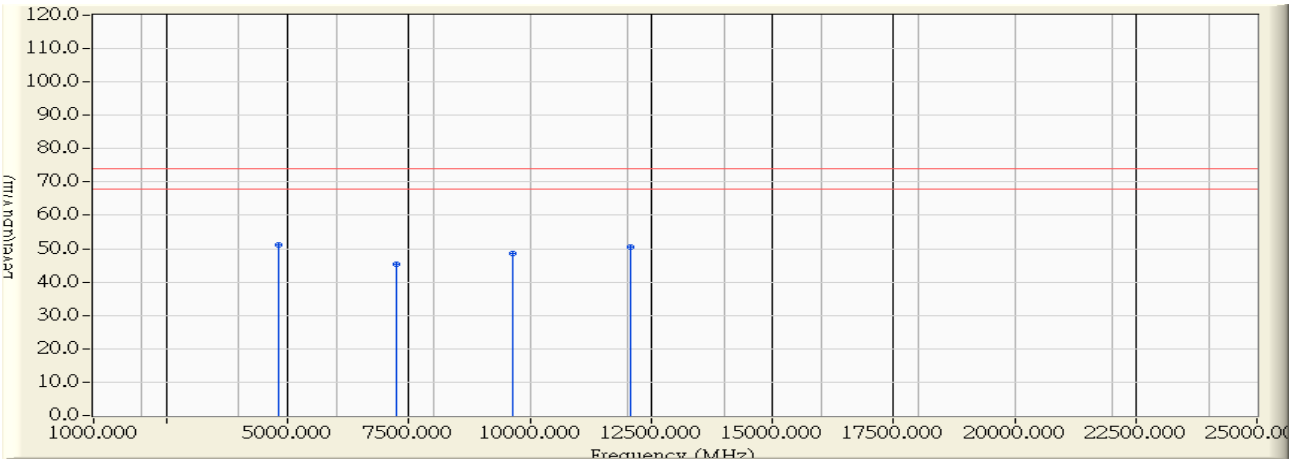


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4824.000	-0.617	47.500	46.883	-27.117	54.000	74.000	PEAK
2		7231.320	5.436	41.200	46.635	-27.365	54.000	74.000	PEAK
3		9648.080	9.226	39.800	49.026	-24.974	54.000	74.000	PEAK
4	*	12074.760	11.108	39.150	50.259	-23.741	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 17:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11b_2412MHz**

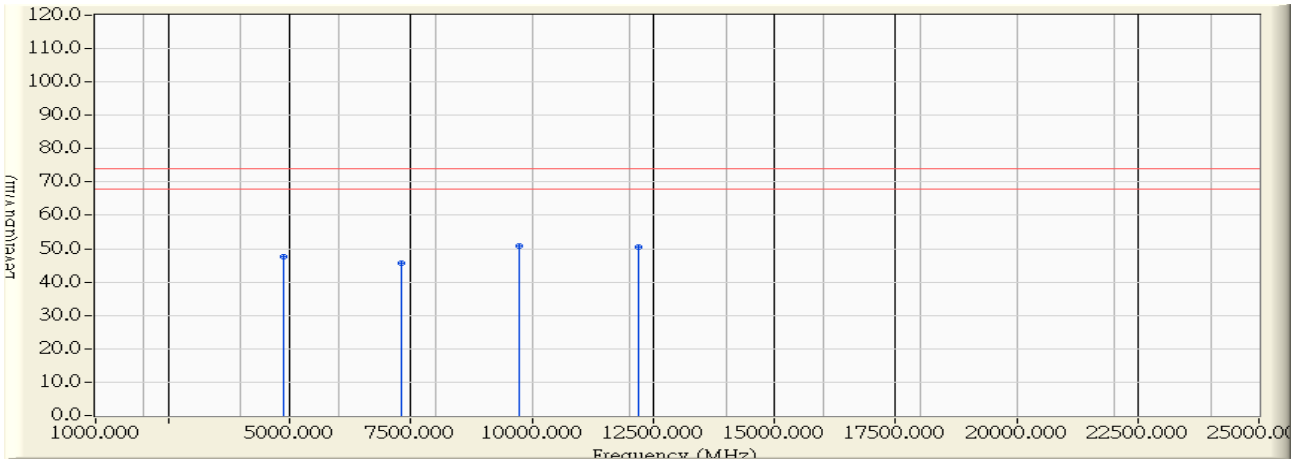


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	4824.000	-0.617	51.870	51.253	-22.747	54.000	74.000	PEAK
2		7234.720	5.442	39.820	45.262	-28.738	54.000	74.000	PEAK
3		9648.480	9.229	39.450	48.679	-25.321	54.000	74.000	PEAK
4		12068.840	11.112	39.290	50.401	-23.599	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 14:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11b_2437MHz**

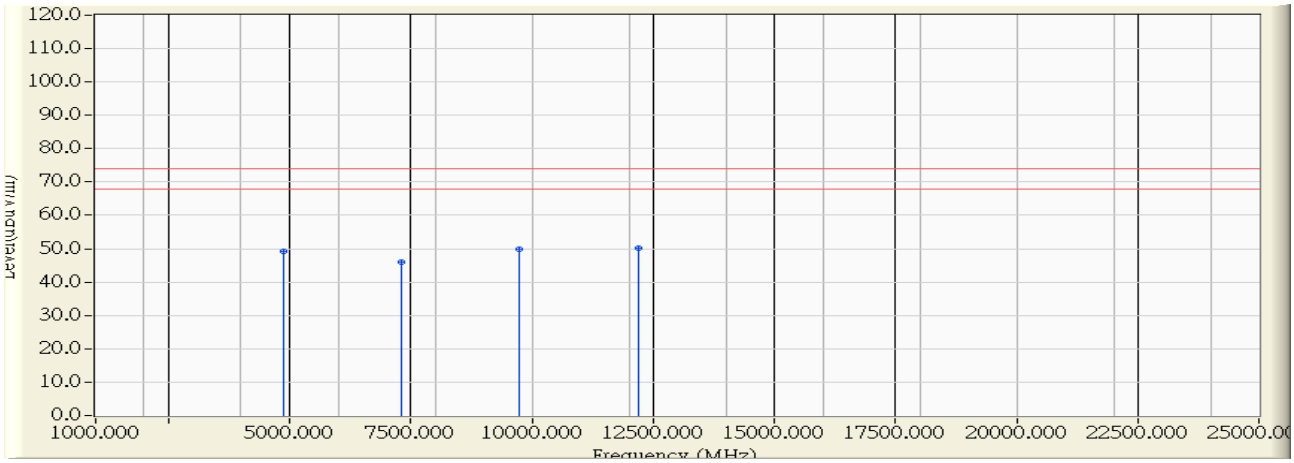


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4874.150	-0.495	48.240	47.746	-26.254	54.000	74.000	PEAK
2		7311.080	5.608	40.180	45.788	-28.212	54.000	74.000	PEAK
3	*	9747.880	9.872	41.030	50.902	-23.098	54.000	74.000	PEAK
4		12185.000	11.058	39.340	50.398	-23.602	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 13:52**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11b_2437MHz**

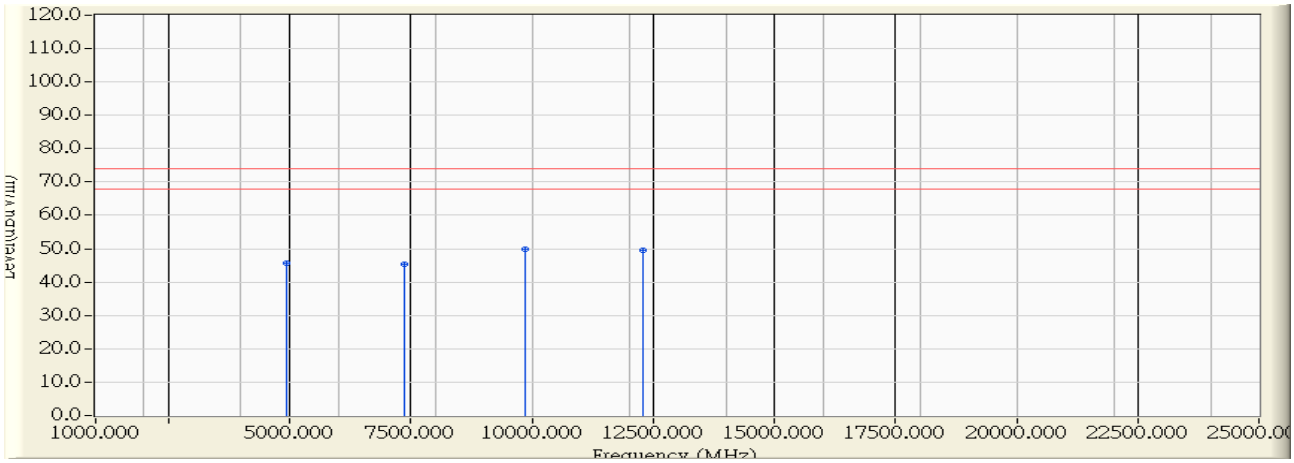


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4874.000	-0.495	49.770	49.275	-24.725	54.000	74.000	PEAK
2		7310.000	5.605	40.240	45.845	-28.155	54.000	74.000	PEAK
3		9748.000	9.873	39.940	49.813	-24.187	54.000	74.000	PEAK
4	*	12185.000	11.058	39.130	50.188	-23.812	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 19:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11b_2462MHz**

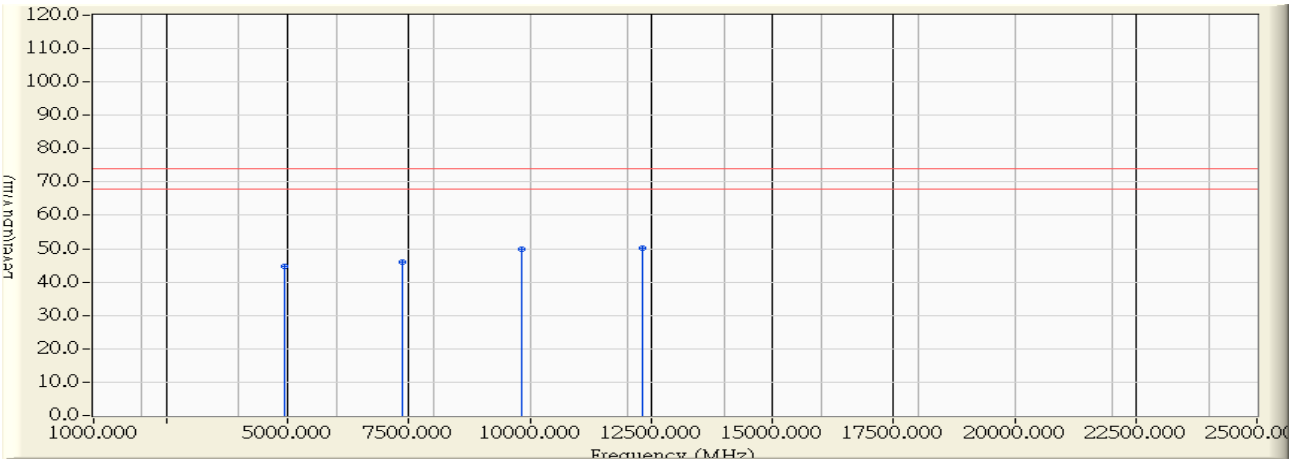


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4924.000	-0.373	45.920	45.547	-28.453	54.000	74.000	PEAK
2		7371.160	5.738	39.610	45.348	-28.652	54.000	74.000	PEAK
3	*	9848.240	10.522	39.230	49.752	-24.248	54.000	74.000	PEAK
4		12304.120	11.003	38.460	49.464	-24.536	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 18:02**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11b_2462MHz**

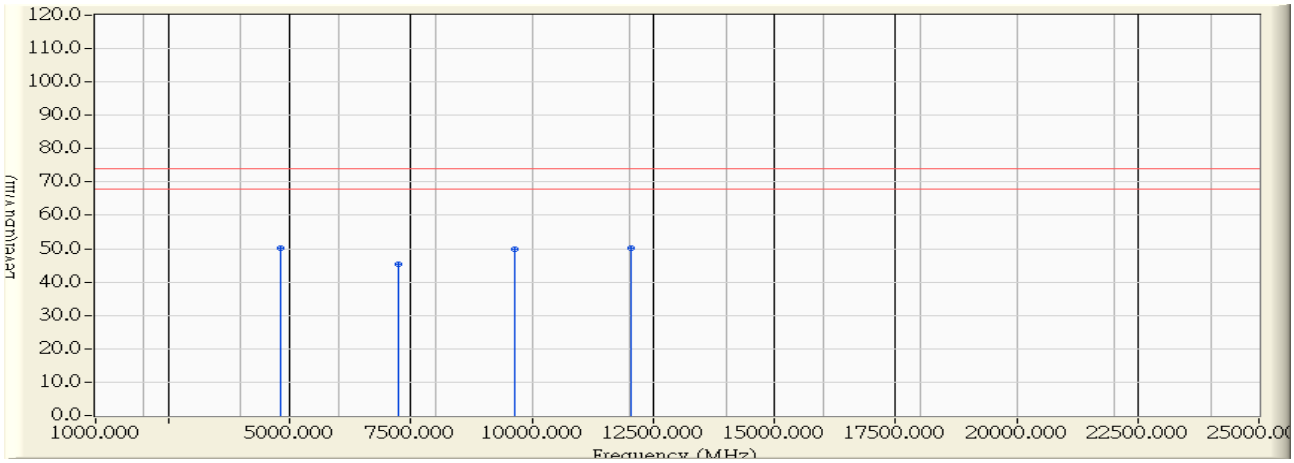


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4923.840	-0.373	45.240	44.867	-29.133	54.000	74.000	PEAK
2		7372.240	5.740	40.290	46.030	-27.970	54.000	74.000	PEAK
3		9844.480	10.498	39.250	49.748	-24.252	54.000	74.000	PEAK
4	*	12309.920	11.001	39.180	50.181	-23.819	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 19:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11g_2412MHz**

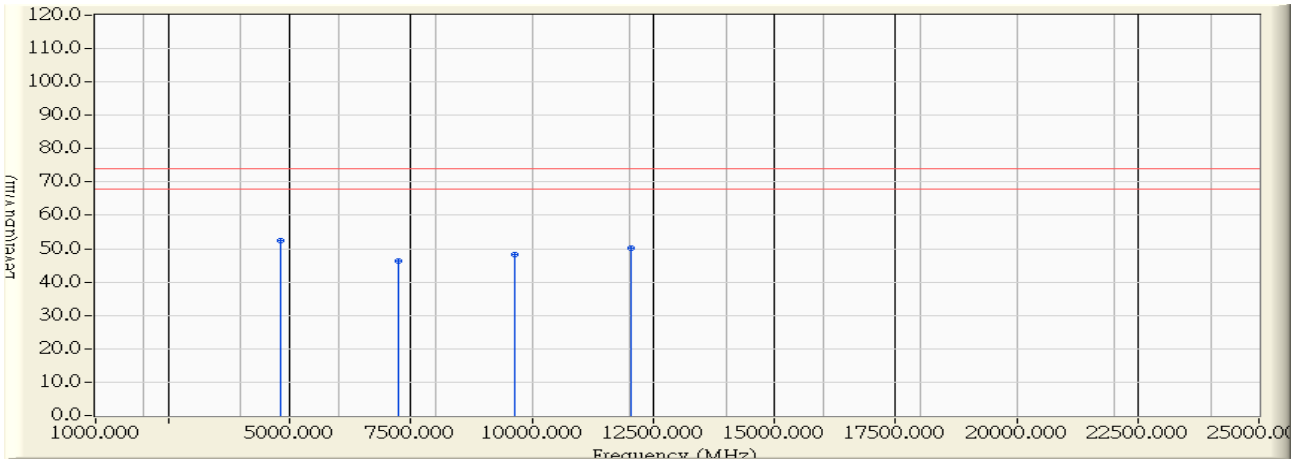


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	4822.400	-0.621	50.910	50.290	-23.710	54.000	74.000	PEAK
2		7233.320	5.439	39.960	45.399	-28.601	54.000	74.000	PEAK
3		9647.840	9.225	40.530	49.755	-24.245	54.000	74.000	PEAK
4		12046.120	11.121	38.980	50.102	-23.898	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 19:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11g_2412MHz**

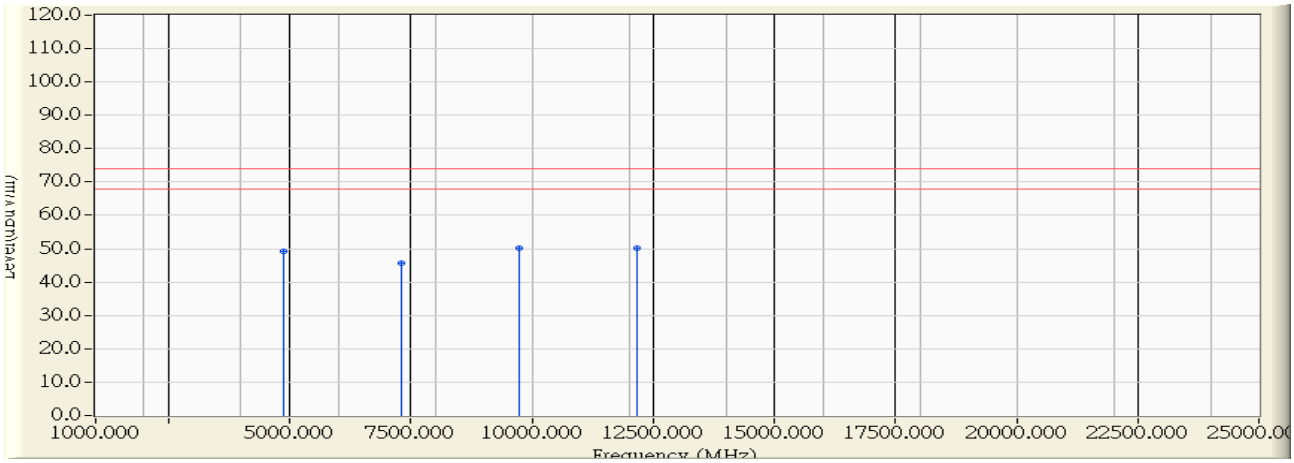


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	4829.840	-0.602	52.940	52.338	-21.662	54.000	74.000	PEAK
2		7244.200	5.462	40.900	46.363	-27.637	54.000	74.000	PEAK
3		9648.000	9.226	39.130	48.356	-25.644	54.000	74.000	PEAK
4		12052.240	11.119	38.910	50.029	-23.971	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 14:22**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11g_2437MHz**

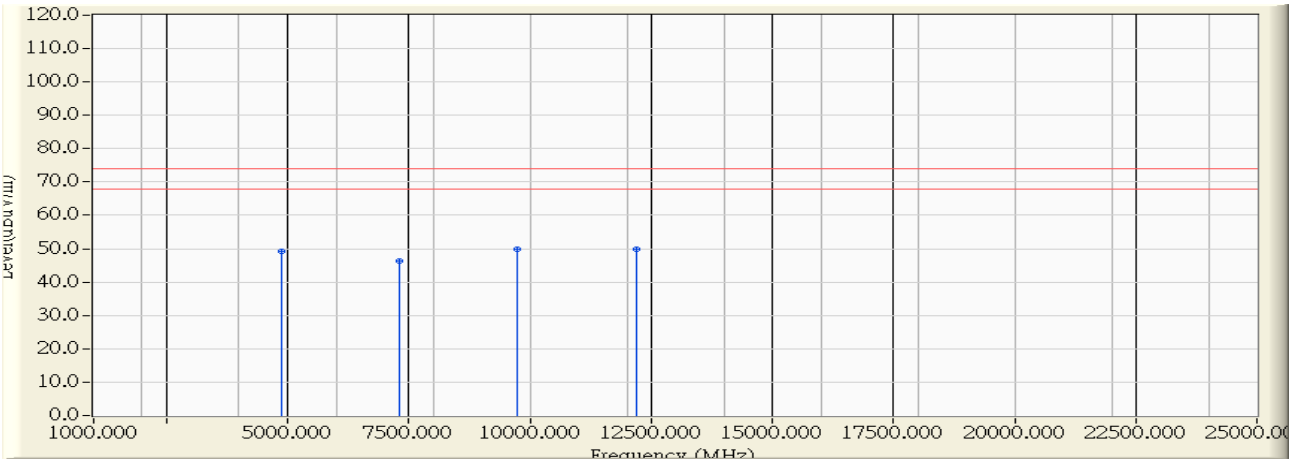


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4879.840	-0.480	49.560	49.080	-24.920	54.000	74.000	PEAK
2		7310.720	5.607	40.190	45.797	-28.203	54.000	74.000	PEAK
3	*	9748.000	9.873	40.390	50.263	-23.737	54.000	74.000	PEAK
4		12184.200	11.058	39.010	50.069	-23.931	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 14:04**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11g_2437MHz**

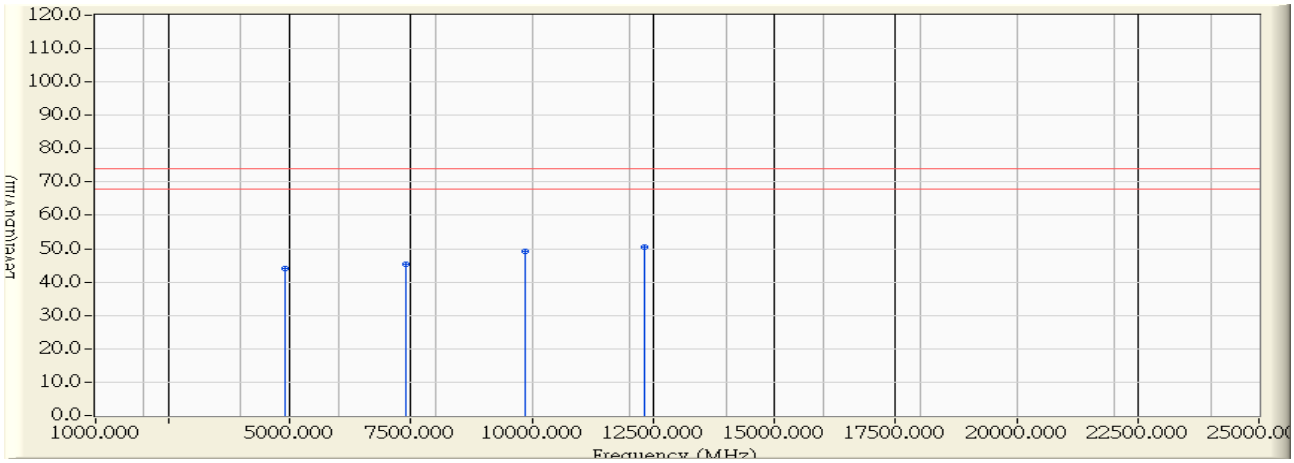


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4879.800	-0.480	49.780	49.300	-24.700	54.000	74.000	PEAK
2		7313.980	5.614	40.860	46.474	-27.526	54.000	74.000	PEAK
3	*	9748.180	9.874	40.010	49.884	-24.116	54.000	74.000	PEAK
4		12187.100	11.058	38.720	49.777	-24.223	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 20:29**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11g_2462MHz**

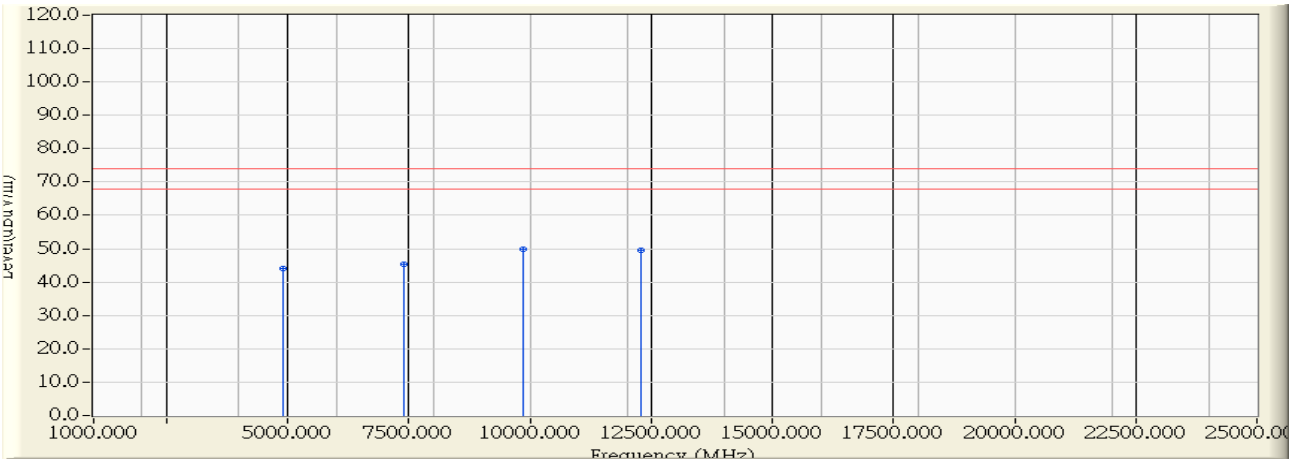


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4922.320	-0.377	44.470	44.093	-29.907	54.000	74.000	PEAK
2		7385.920	5.770	39.450	45.220	-28.780	54.000	74.000	PEAK
3		9847.920	10.521	38.760	49.280	-24.720	54.000	74.000	PEAK
4	*	12310.000	11.001	39.350	50.351	-23.649	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 20:14**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11g_2462MHz**

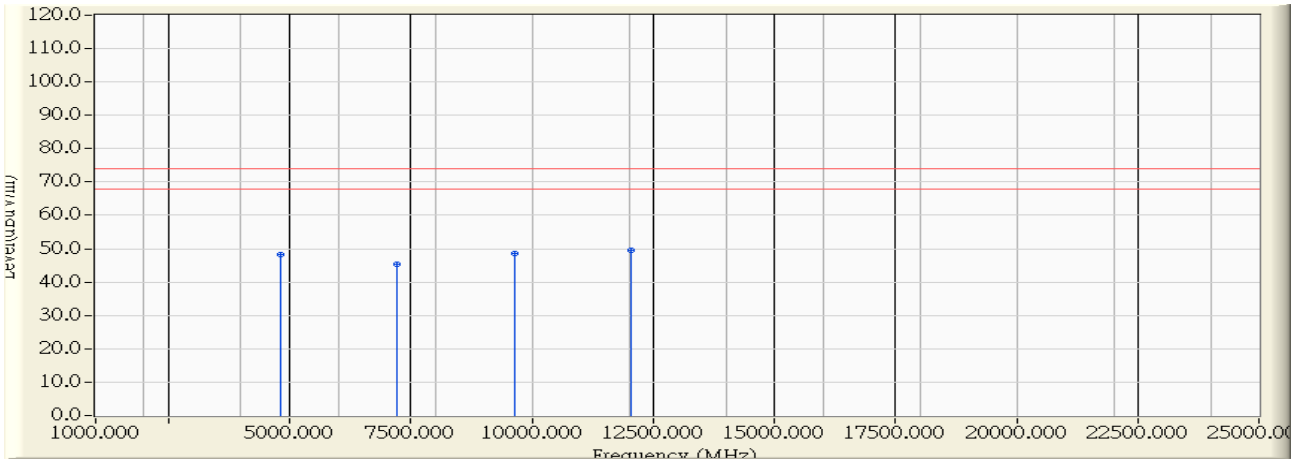


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4921.080	-0.380	44.590	44.210	-29.790	54.000	74.000	PEAK
2		7390.200	5.778	39.570	45.349	-28.651	54.000	74.000	PEAK
3	*	9848.040	10.521	39.410	49.931	-24.069	54.000	74.000	PEAK
4		12306.000	11.004	38.650	49.653	-24.347	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 20:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(20M)_2412MHz**

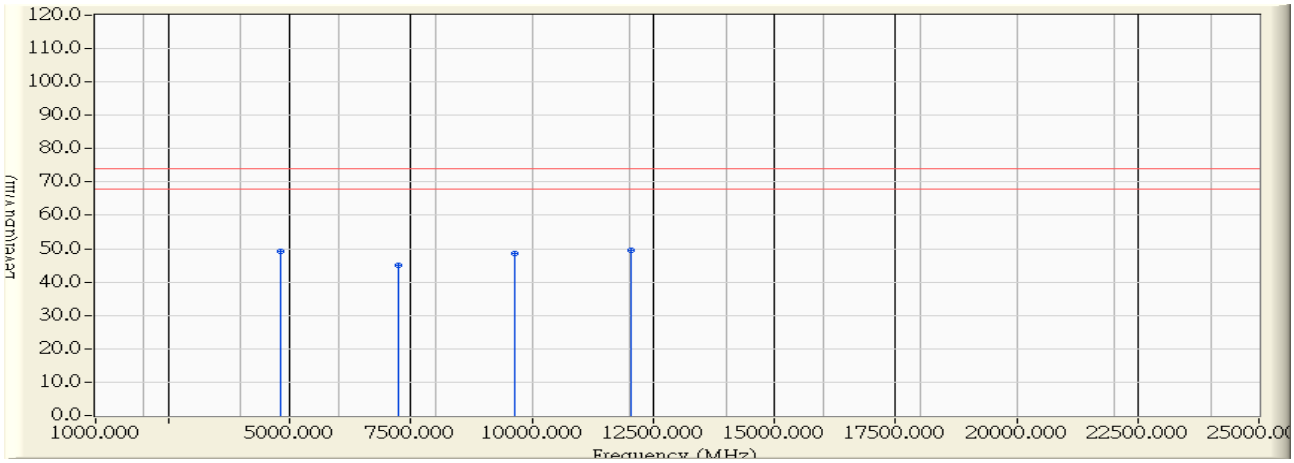


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4825.480	-0.613	48.860	48.247	-25.753	54.000	74.000	PEAK
2		7227.800	5.427	39.780	45.207	-28.793	54.000	74.000	PEAK
3		9648.000	9.226	39.450	48.676	-25.324	54.000	74.000	PEAK
4	*	12055.240	11.118	38.290	49.408	-24.592	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 20:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(20M)_2412MHz**

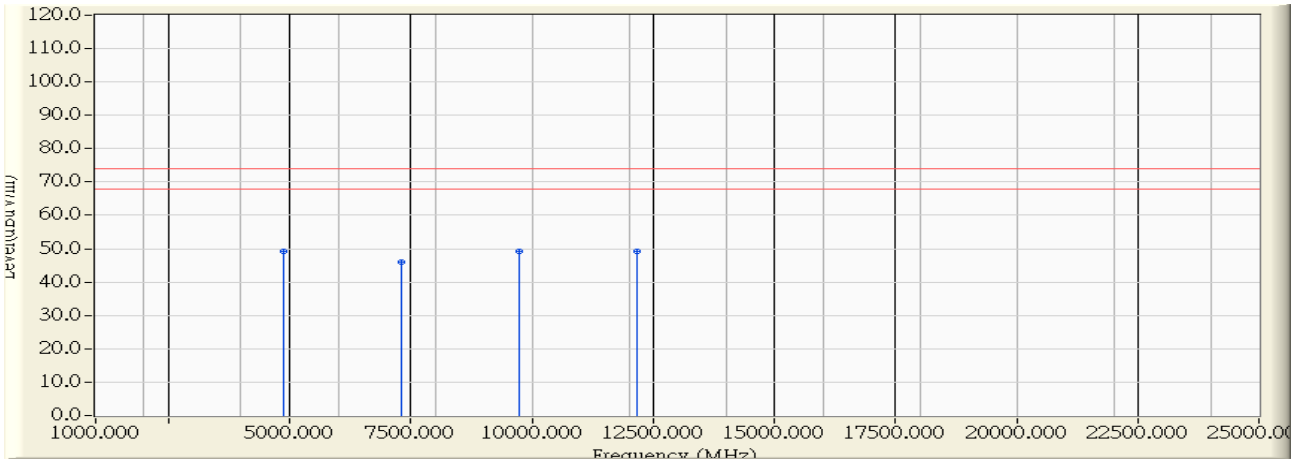


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4824.680	-0.615	49.970	49.355	-24.645	54.000	74.000	PEAK
2		7236.000	5.445	39.630	45.075	-28.925	54.000	74.000	PEAK
3		9649.000	9.233	39.350	48.582	-25.418	54.000	74.000	PEAK
4	*	12059.000	11.115	38.500	49.616	-24.384	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 14:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(20M)_2437MHz**

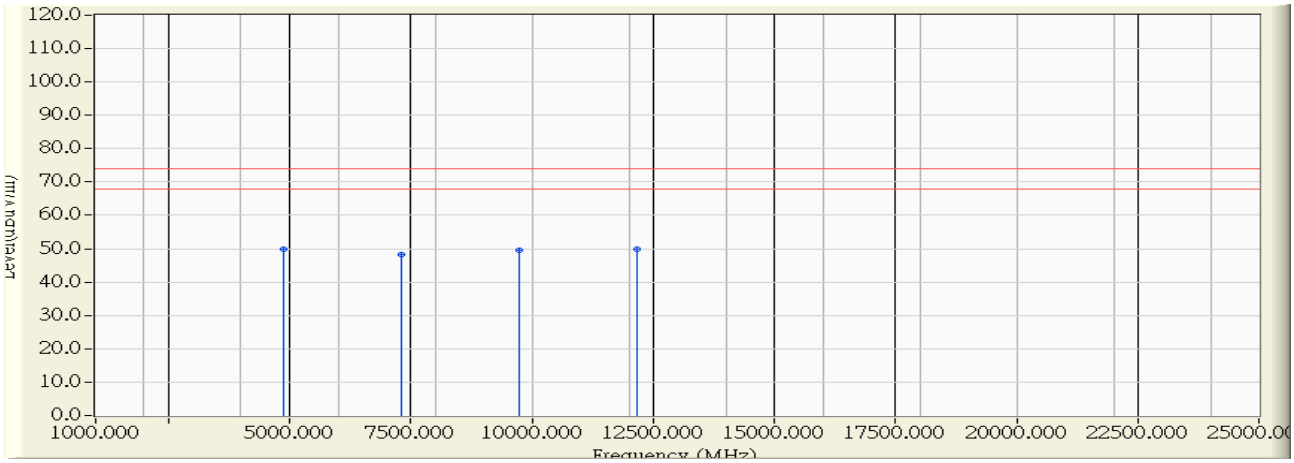


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4875.420	-0.491	49.810	49.319	-24.681	54.000	74.000	PEAK
2		7293.860	5.570	40.380	45.950	-28.050	54.000	74.000	PEAK
3		9748.180	9.874	39.430	49.304	-24.696	54.000	74.000	PEAK
4	*	12171.980	11.065	38.260	49.324	-24.676	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 14:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(20M)_2437MHz**

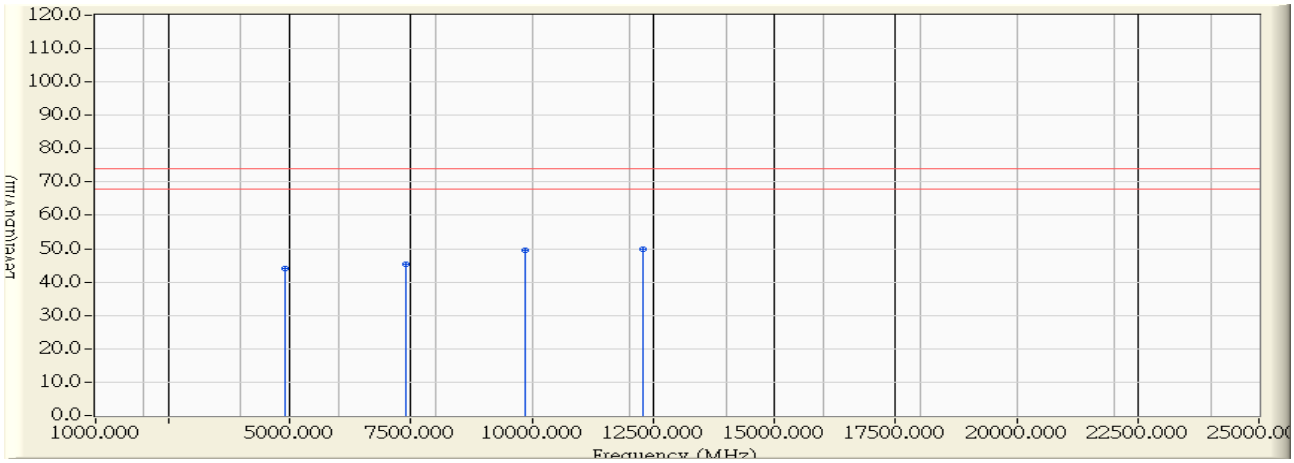


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	4875.680	-0.491	50.510	50.020	-23.980	54.000	74.000	PEAK
2		7306.840	5.599	42.510	48.108	-25.892	54.000	74.000	PEAK
3		9747.700	9.871	39.660	49.531	-24.469	54.000	74.000	PEAK
4		12178.380	11.061	38.780	49.841	-24.159	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 21:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(20M)_2462MHz**

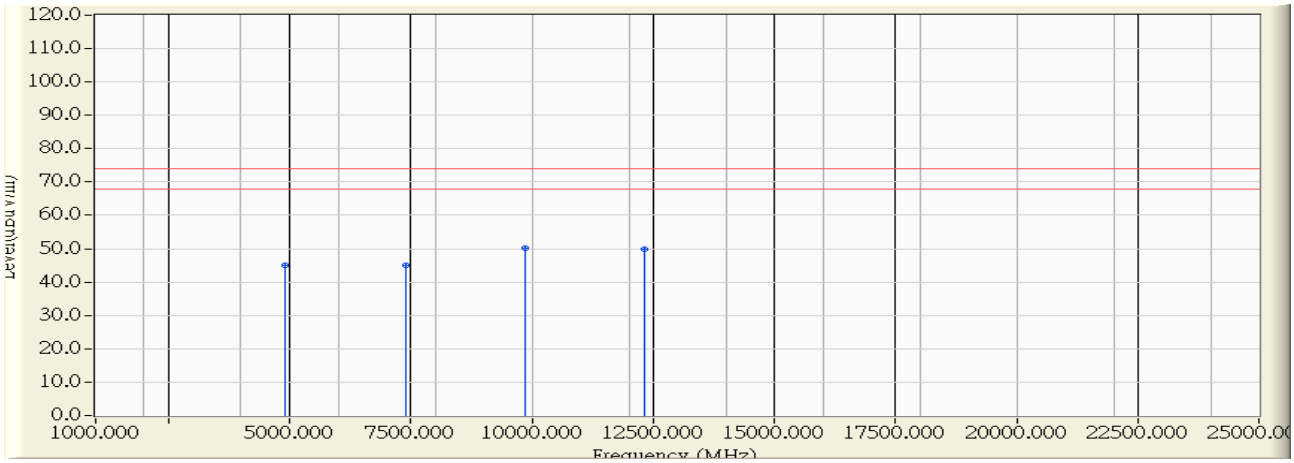


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4921.160	-0.380	44.560	44.180	-29.820	54.000	74.000	PEAK
2		7385.880	5.770	39.720	45.489	-28.511	54.000	74.000	PEAK
3		9848.000	10.521	39.070	49.591	-24.409	54.000	74.000	PEAK
4	*	12298.000	11.007	38.810	49.817	-24.183	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 20:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(20M)_2462MHz**

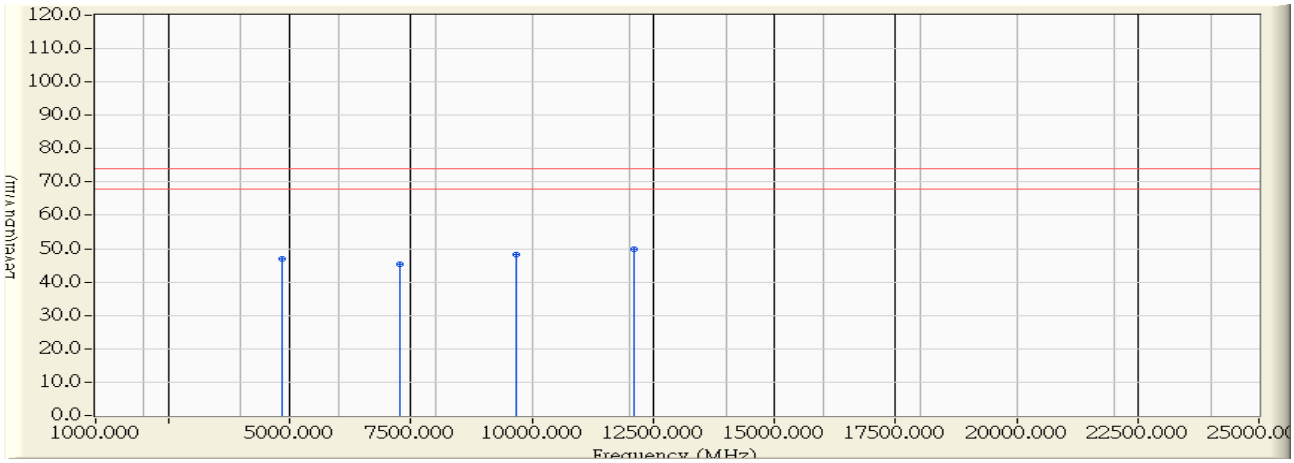


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4921.000	-0.380	45.480	45.100	-28.900	54.000	74.000	PEAK
2		7386.000	5.770	39.390	45.160	-28.840	54.000	74.000	PEAK
3	*	9847.560	10.517	39.820	50.338	-23.662	54.000	74.000	PEAK
4		12309.000	11.001	38.730	49.732	-24.268	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 21:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(40M)_2422MHz**

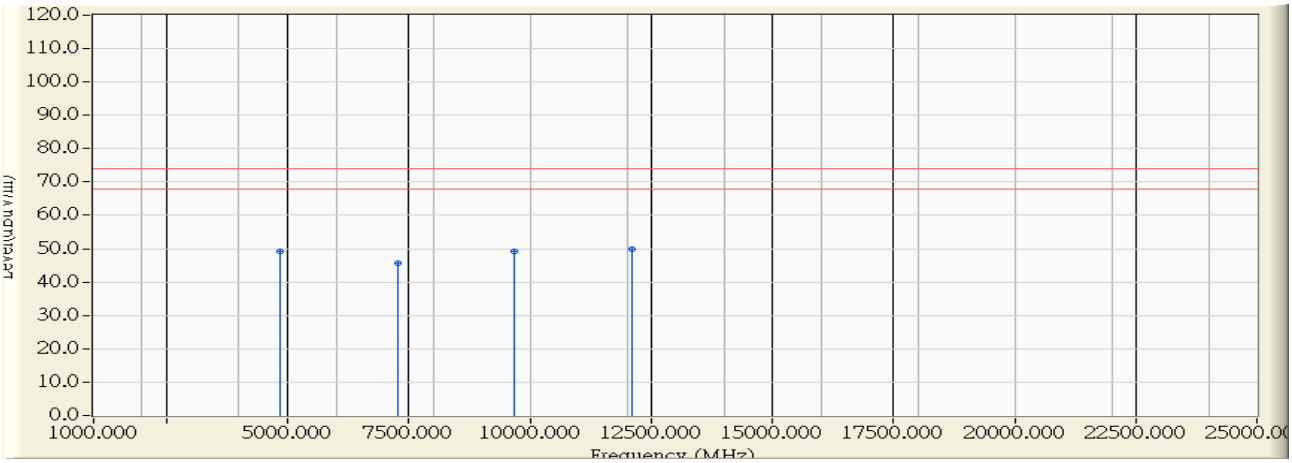


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4845.880	-0.563	47.380	46.817	-27.183	54.000	74.000	PEAK
2		7265.200	5.508	39.710	45.218	-28.782	54.000	74.000	PEAK
3		9680.360	9.435	38.980	48.415	-25.585	54.000	74.000	PEAK
4	*	12111.600	11.092	38.810	49.902	-24.098	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 21:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(40M)_2422MHz**

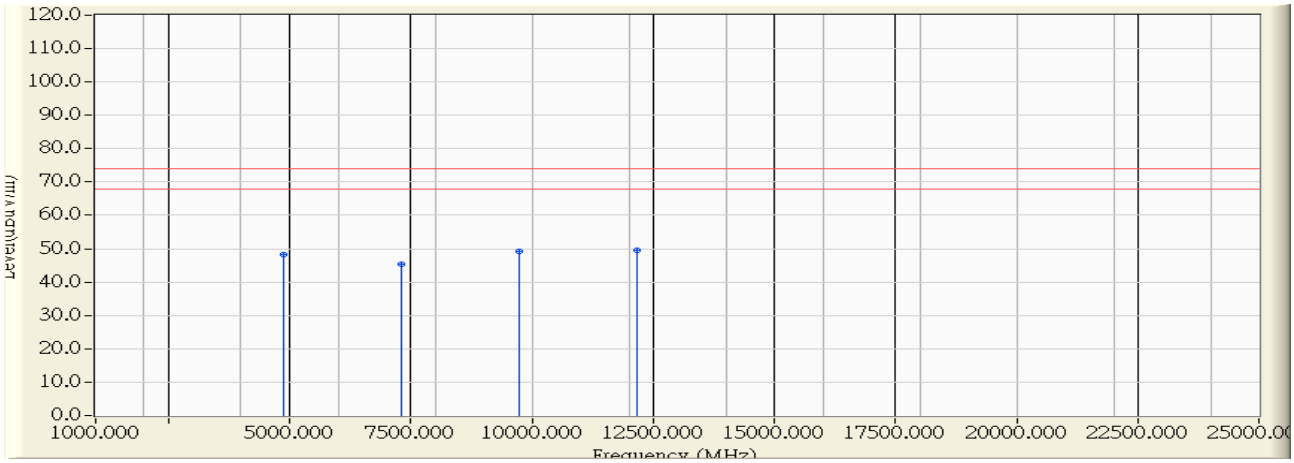


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4836.800	-0.586	49.670	49.085	-24.915	54.000	74.000	PEAK
2		7268.000	5.514	40.080	45.594	-28.406	54.000	74.000	PEAK
3		9688.520	9.488	39.580	49.068	-24.932	54.000	74.000	PEAK
4	*	12115.000	11.090	38.660	49.750	-24.250	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 22:07**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(40M)_2437MHz**

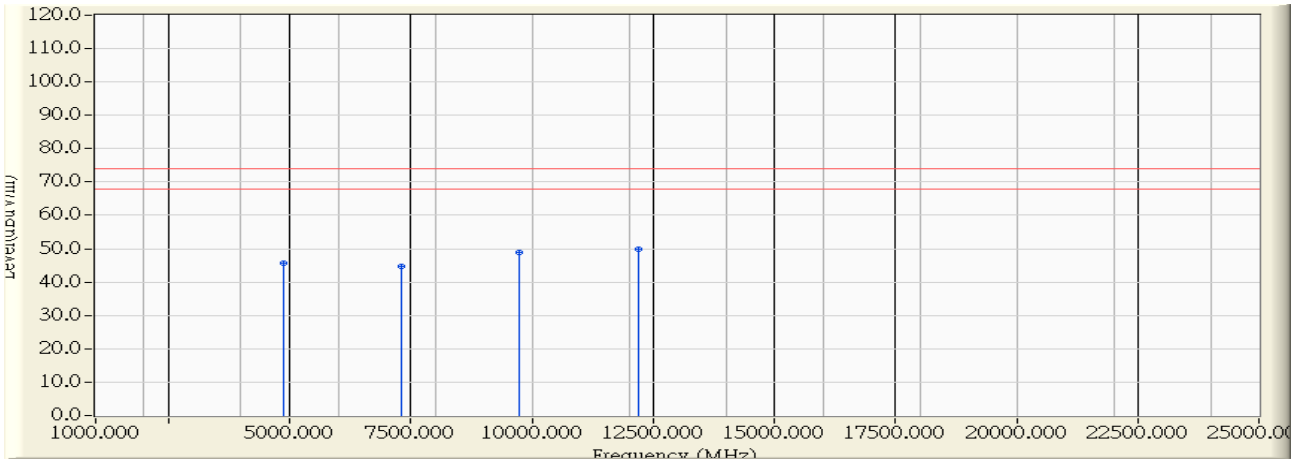


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4876.360	-0.490	48.720	48.231	-25.769	54.000	74.000	PEAK
2		7309.640	5.604	39.710	45.315	-28.685	54.000	74.000	PEAK
3		9738.880	9.814	39.560	49.374	-24.626	54.000	74.000	PEAK
4	*	12180.000	11.061	38.540	49.601	-24.399	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 22:04**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(40M)_2437MHz7**

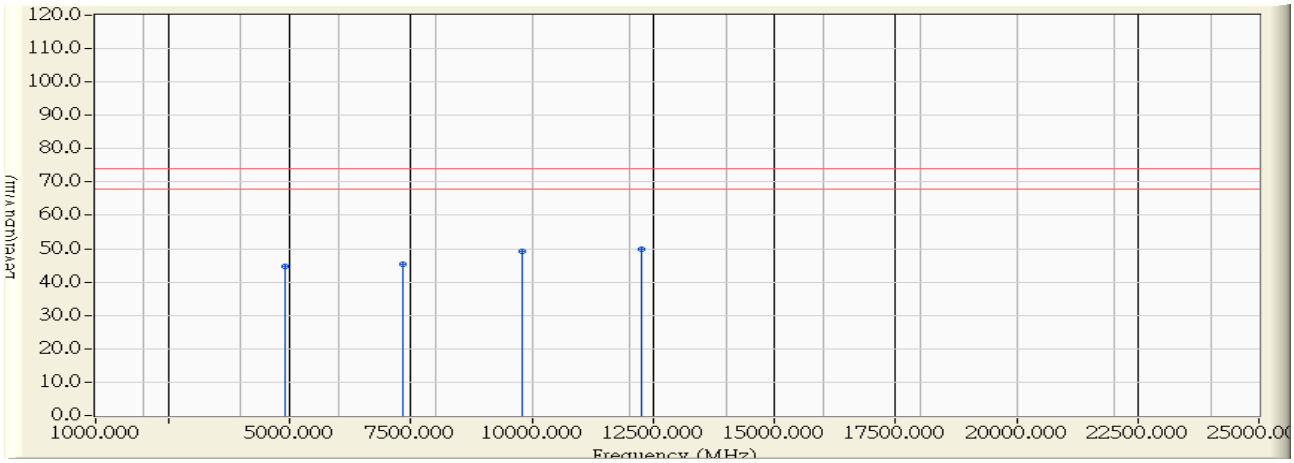


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4872.800	-0.497	46.180	45.682	-28.318	54.000	74.000	PEAK
2		7306.400	5.598	39.280	44.878	-29.122	54.000	74.000	PEAK
3		9748.000	9.873	38.950	48.823	-25.177	54.000	74.000	PEAK
4	*	12187.000	11.058	38.790	49.847	-24.153	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 21:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(40M)_2452MHz**

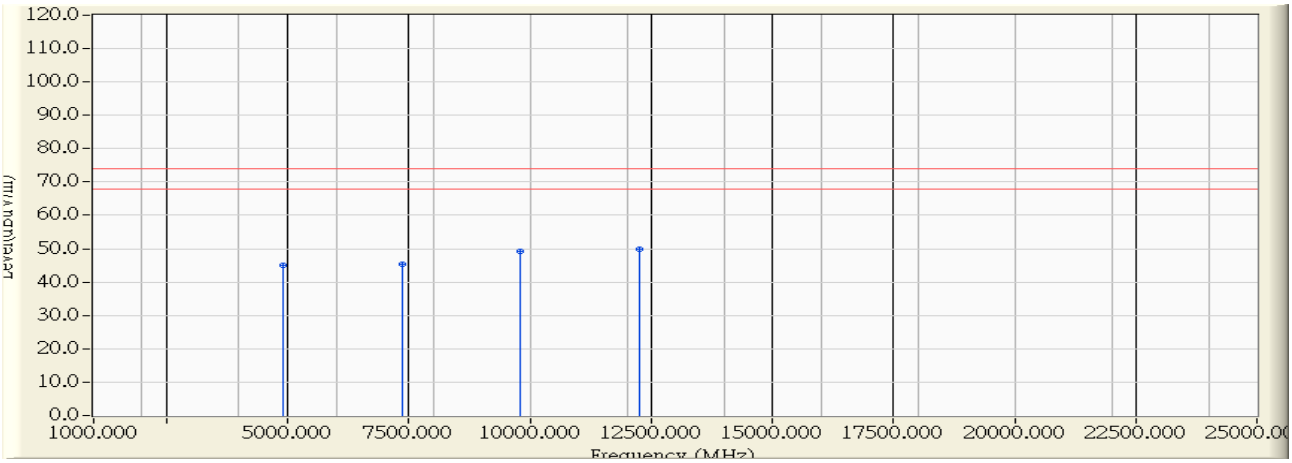


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4896.720	-0.440	45.200	44.761	-29.239	54.000	74.000	PEAK
2		7339.200	5.668	39.560	45.229	-28.771	54.000	74.000	PEAK
3		9795.200	10.179	39.180	49.359	-24.641	54.000	74.000	PEAK
4	*	12264.200	11.022	38.800	49.822	-24.178	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/08/28 - 21:46**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB3_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n(40M)_2452MHz**

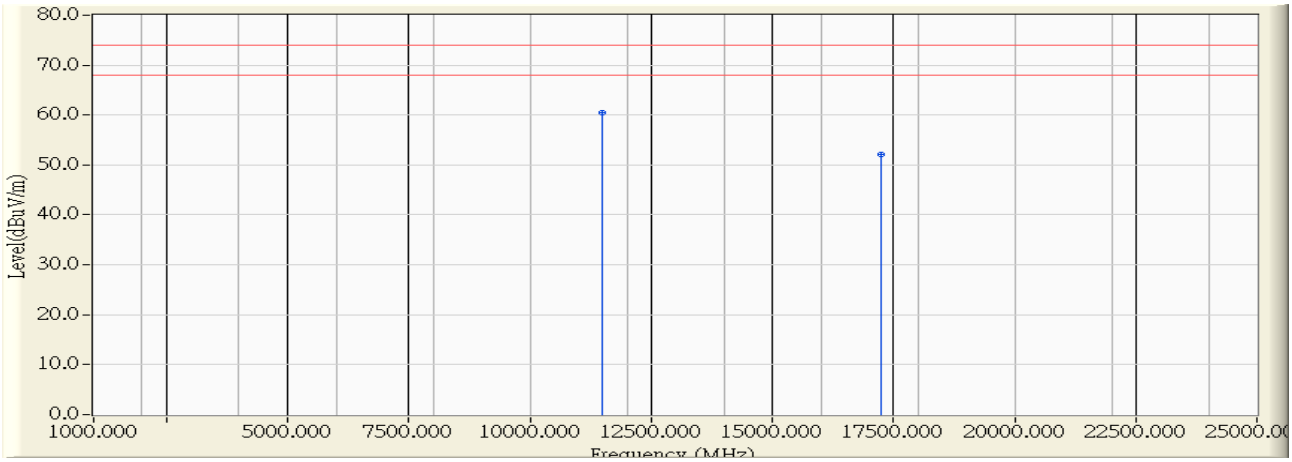


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		4906.000	-0.417	45.520	45.103	-28.897	54.000	74.000	PEAK
2		7356.400	5.706	39.730	45.436	-28.564	54.000	74.000	PEAK
3		9792.840	10.163	39.080	49.244	-24.756	54.000	74.000	PEAK
4	*	12268.000	11.020	38.830	49.850	-24.150	54.000	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 = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:42**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5745MHz**

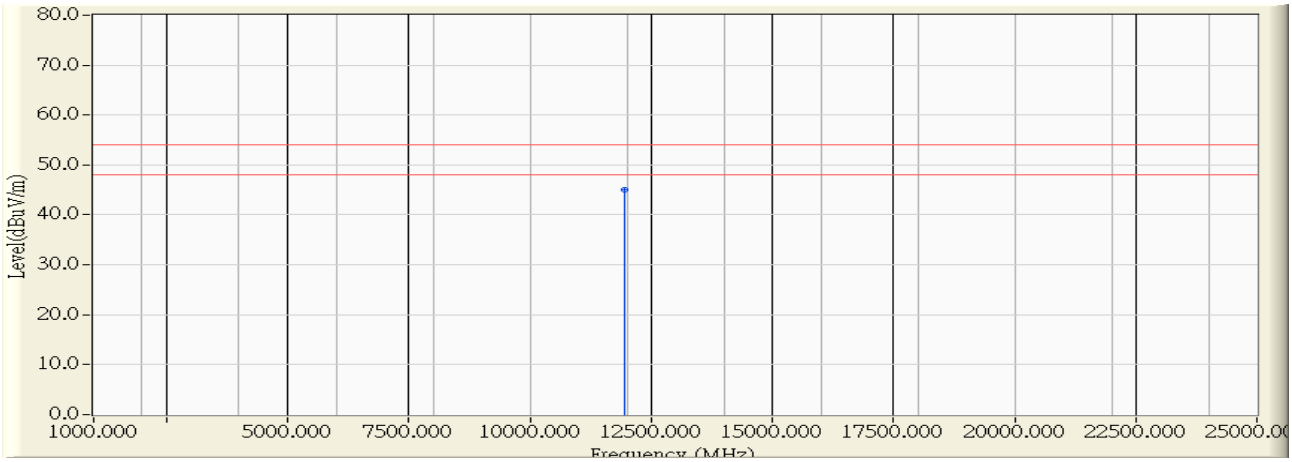


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	48.900	60.433	-13.567	54.000	74.000	PEAK
2		17235.000	15.422	36.670	52.092	-21.908	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:42**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5745MHz**

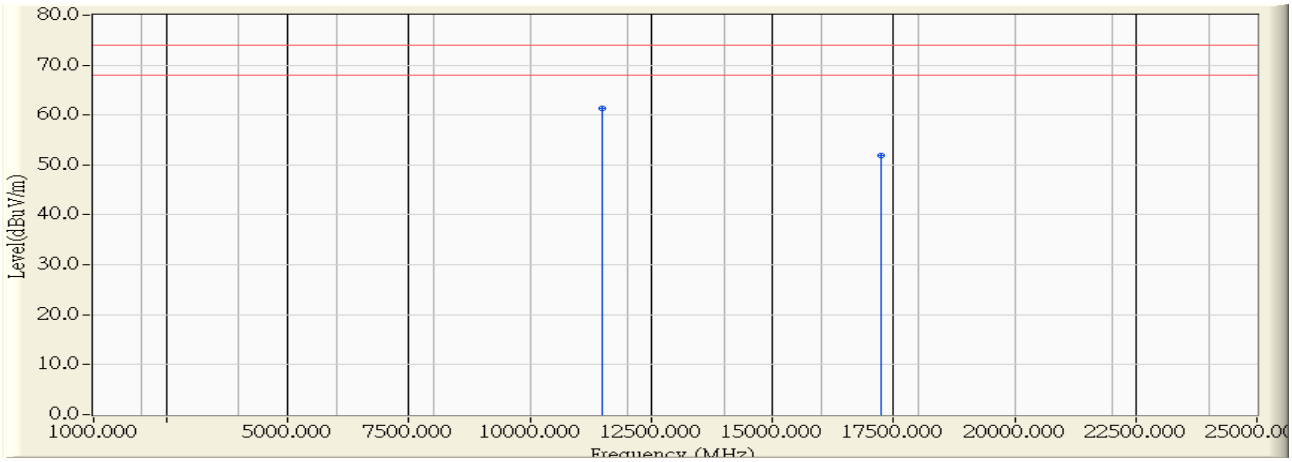


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11940.000	11.190	33.947	45.137	-8.863	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:46**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5745MHz**

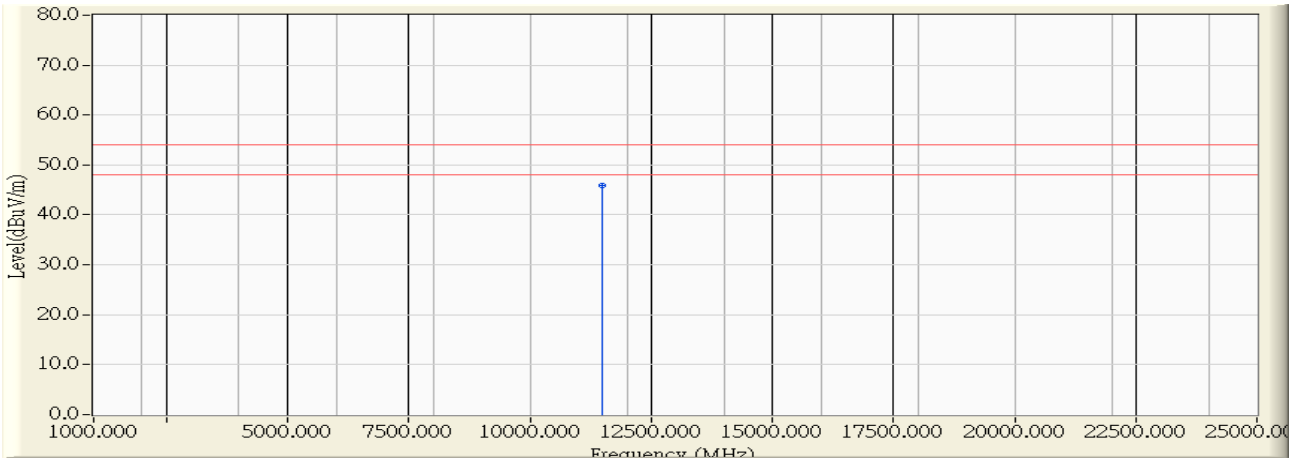


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	49.720	61.253	-12.747	54.000	74.000	PEAK
2		17235.000	15.422	36.420	51.842	-22.158	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5745MHz**

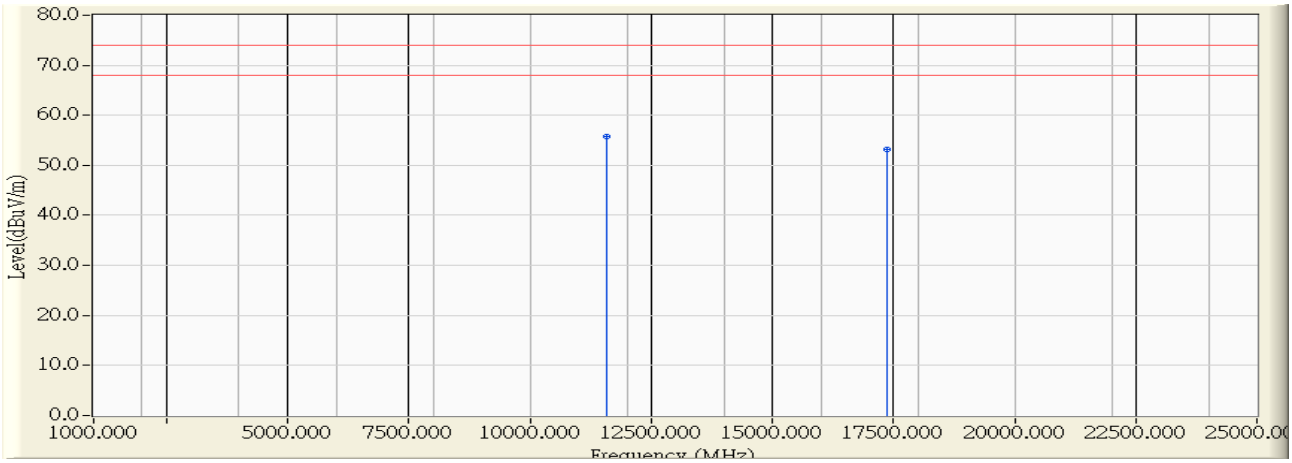


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	34.330	45.863	-8.137	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:50**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5785MHz**

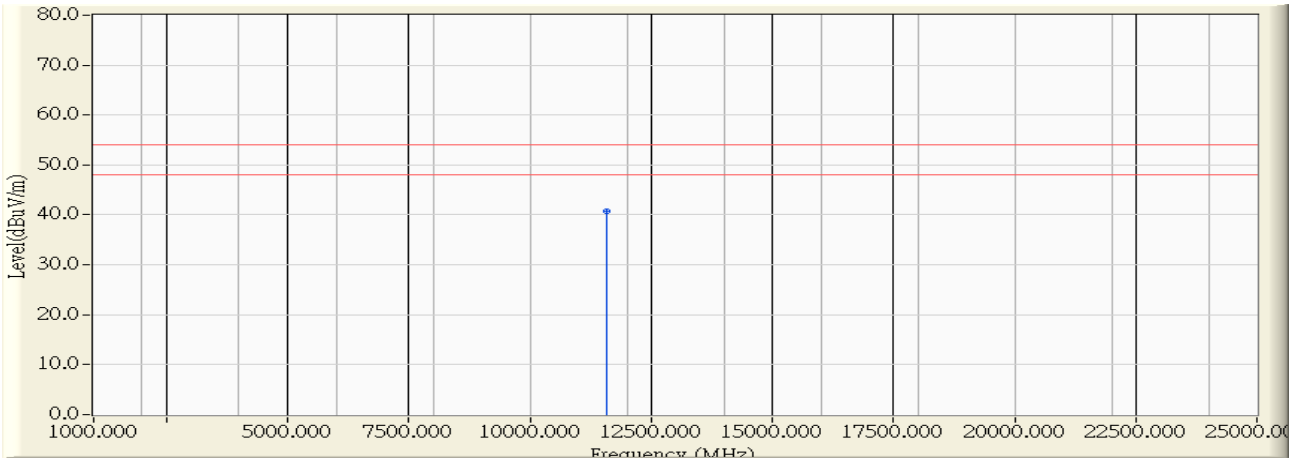


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	44.350	55.827	-18.173	54.000	74.000	PEAK
2		17355.000	15.974	37.220	53.194	-20.806	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:50**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5785MHz**

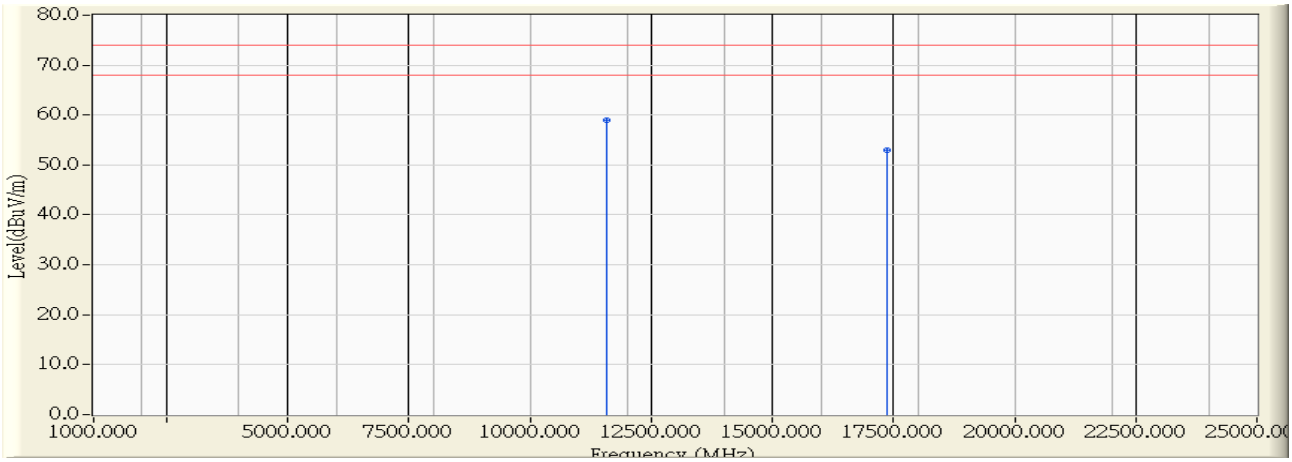


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	29.330	40.807	-13.193	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:53**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5785MHz**

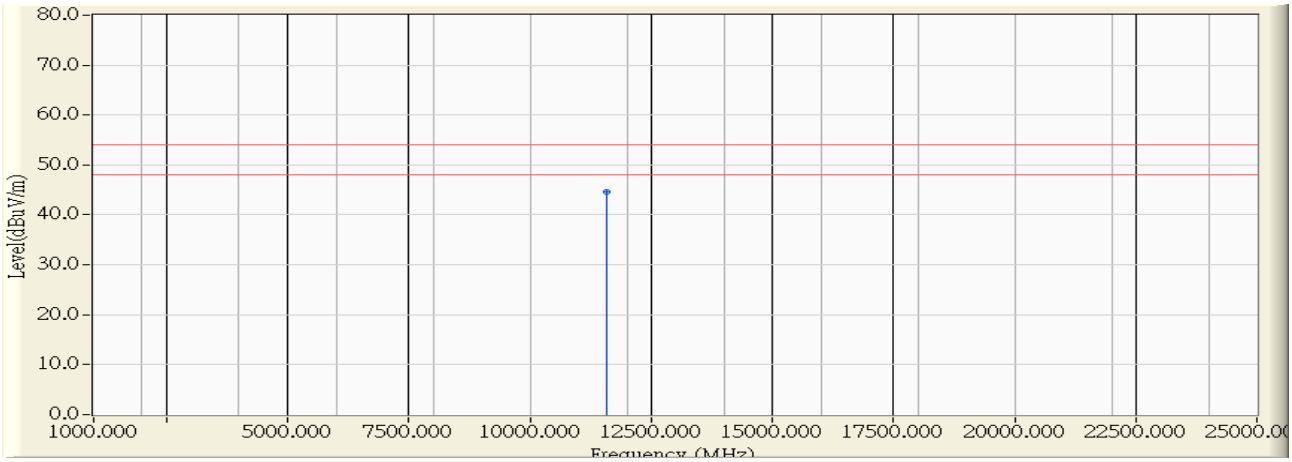


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	47.580	59.057	-14.943	54.000	74.000	PEAK
2		17355.000	15.974	36.970	52.944	-21.056	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:54**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5785MHz**

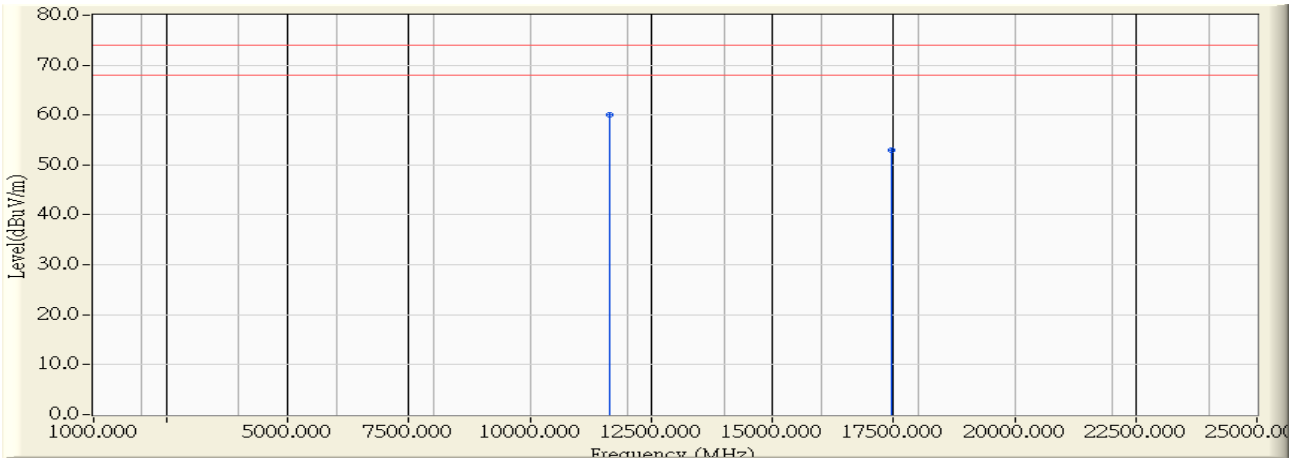


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	33.100	44.577	-9.423	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5825MHz**

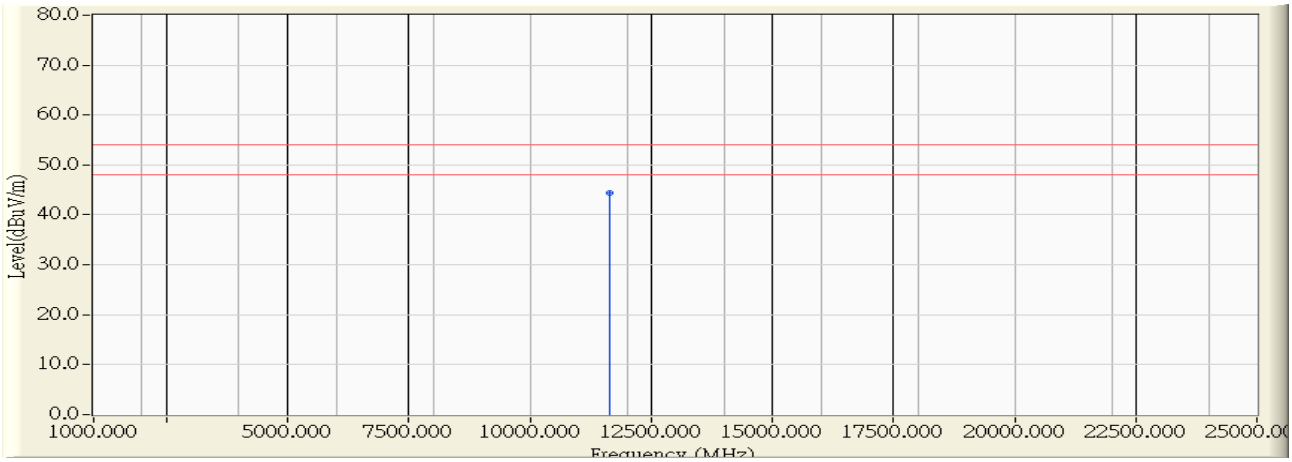


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	48.580	59.995	-14.005	54.000	74.000	PEAK
2		17475.000	16.526	36.380	52.906	-21.094	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 17:57**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5825MHz**

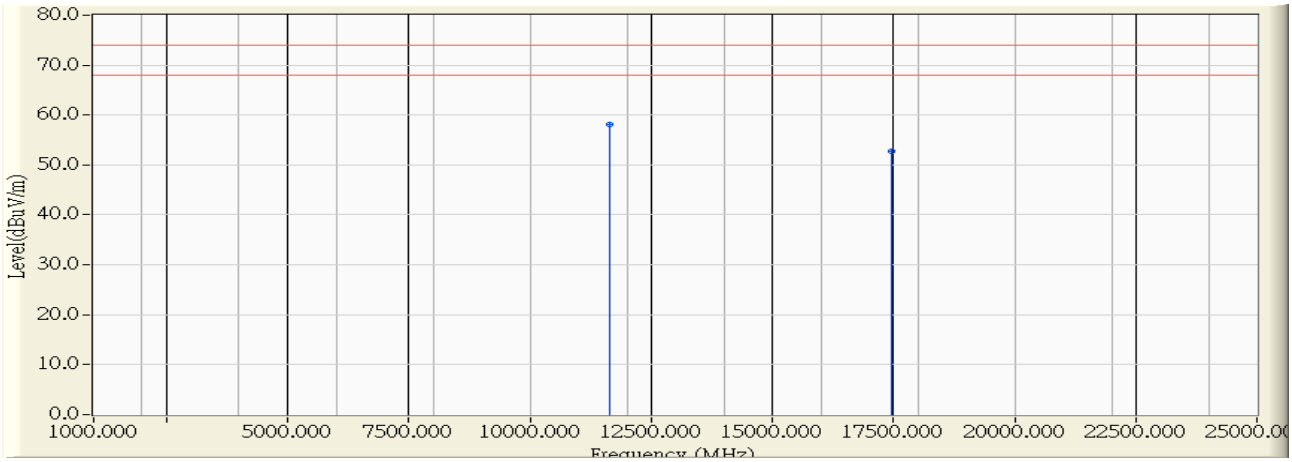


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	32.970	44.385	-9.615	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:01**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5825MHz**

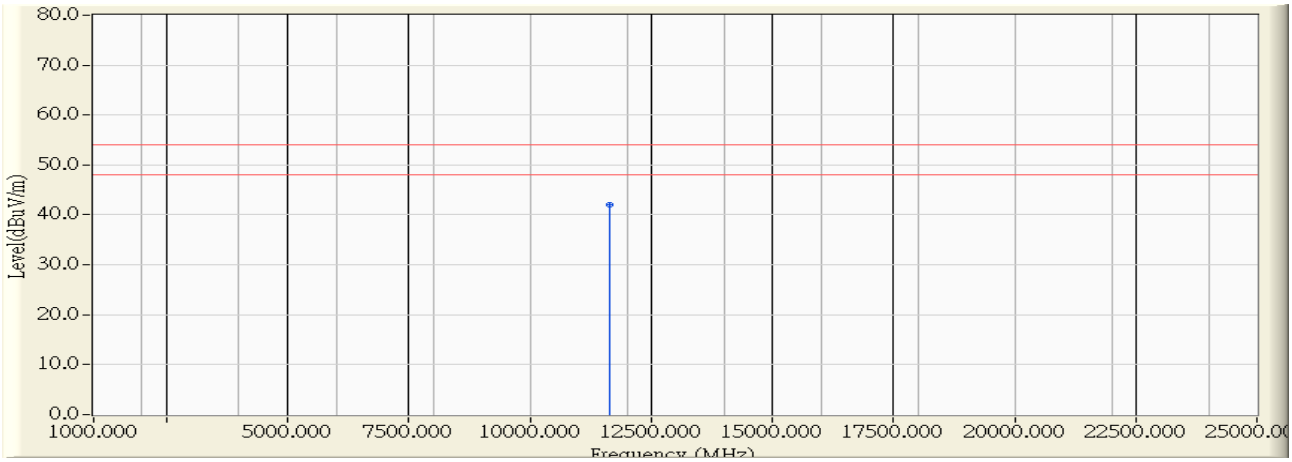


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	46.740	58.155	-15.845	54.000	74.000	PEAK
2		17475.000	16.526	36.130	52.656	-21.344	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:02**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11a 5825MHz**

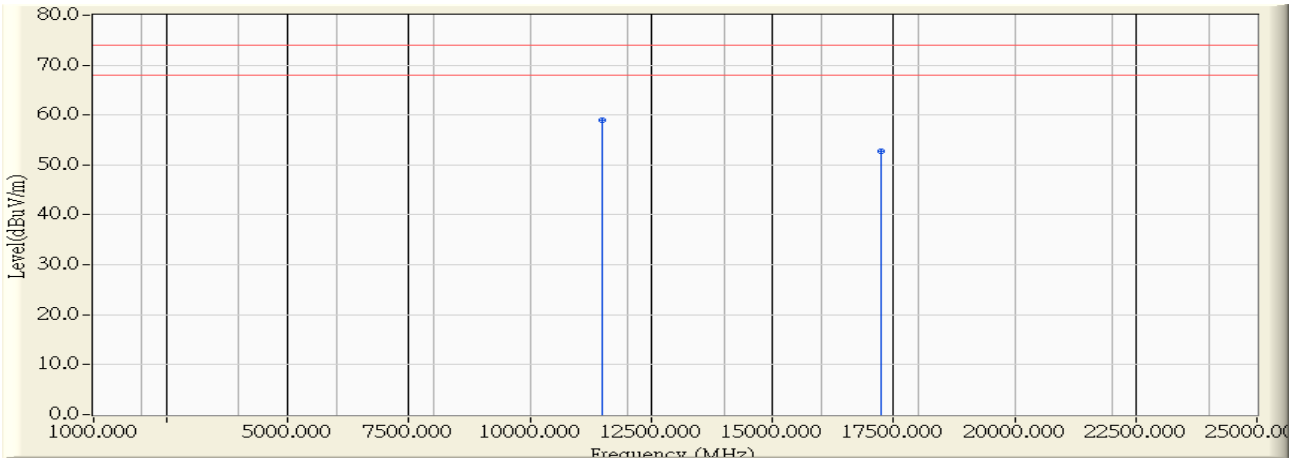


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	30.570	41.985	-12.015	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5745MHz**

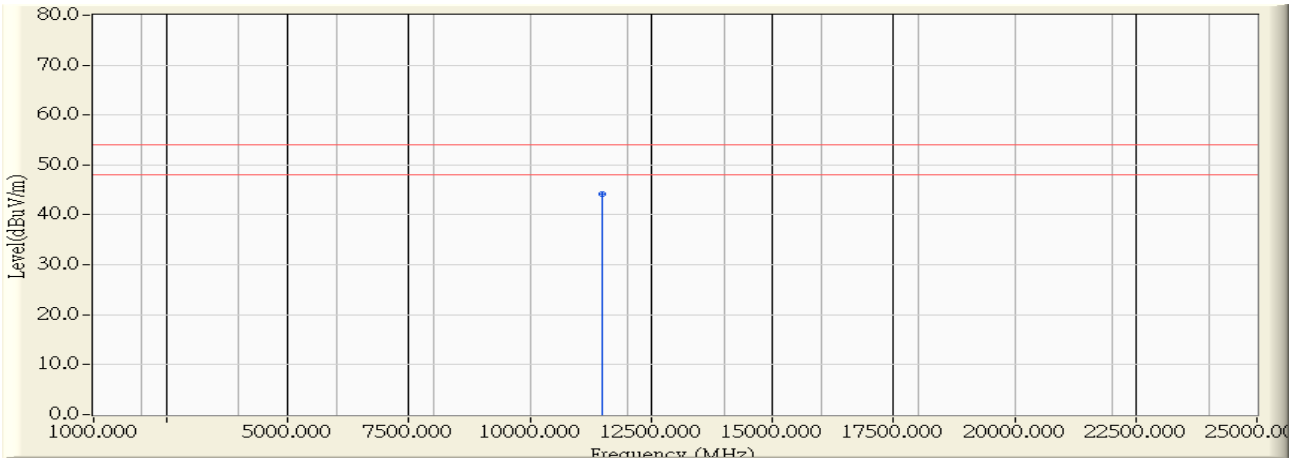


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	47.380	58.913	-15.087	54.000	74.000	PEAK
2		17235.000	15.422	37.290	52.712	-21.288	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:05**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5745MHz**

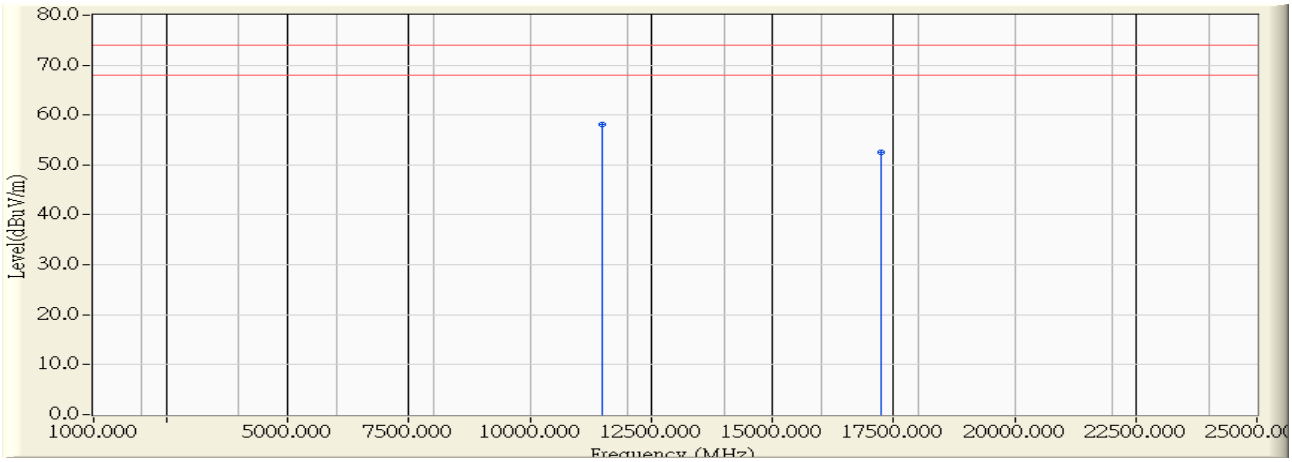


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	32.705	44.238	-9.762	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:10**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5745MHz**

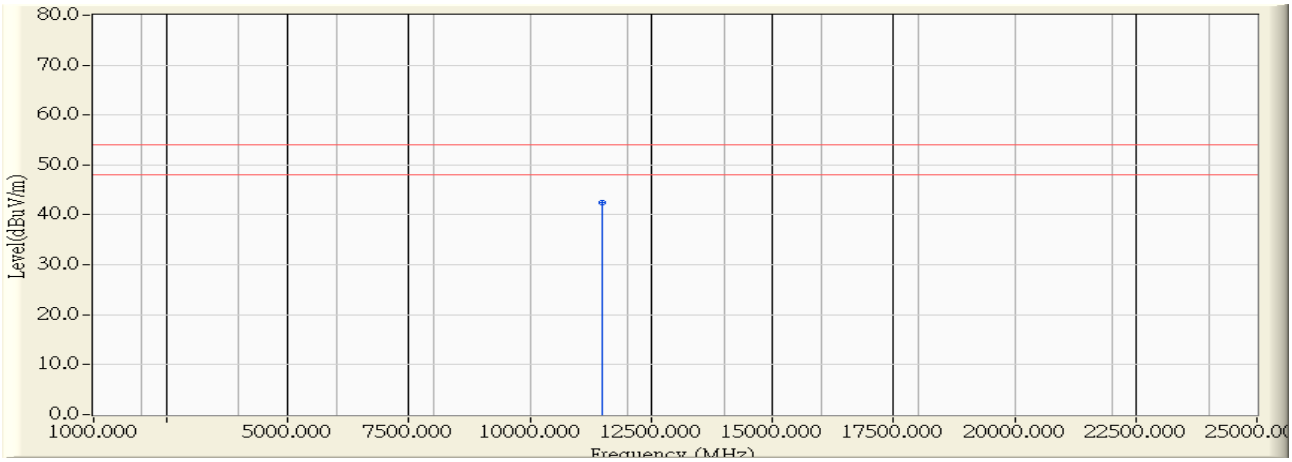


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	46.520	58.053	-15.947	54.000	74.000	PEAK
2		17235.000	15.422	37.110	52.532	-21.468	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:10**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5745MHz**

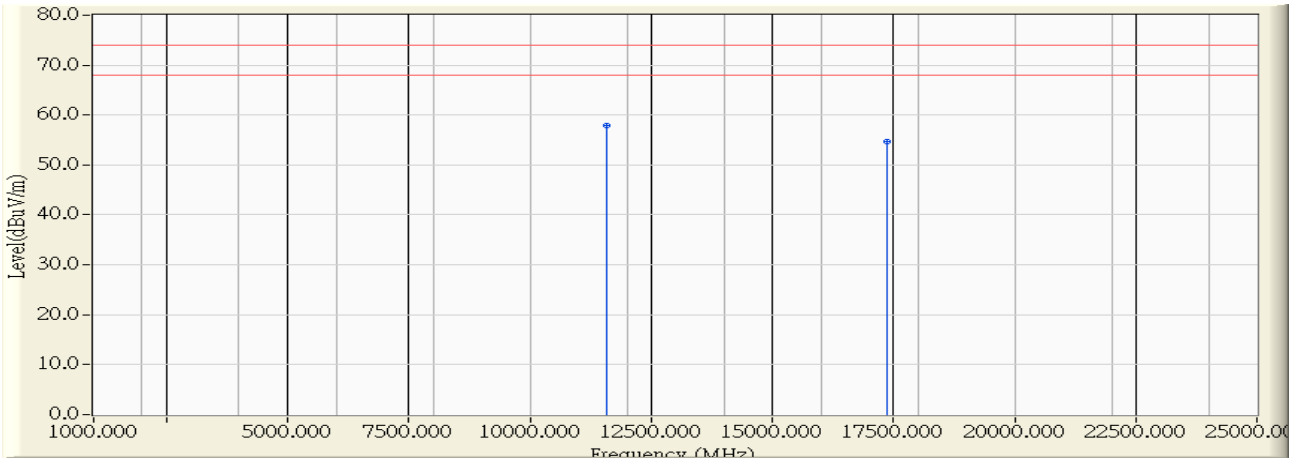


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	11.534	30.990	42.523	-11.477	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:13**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5785MHz**

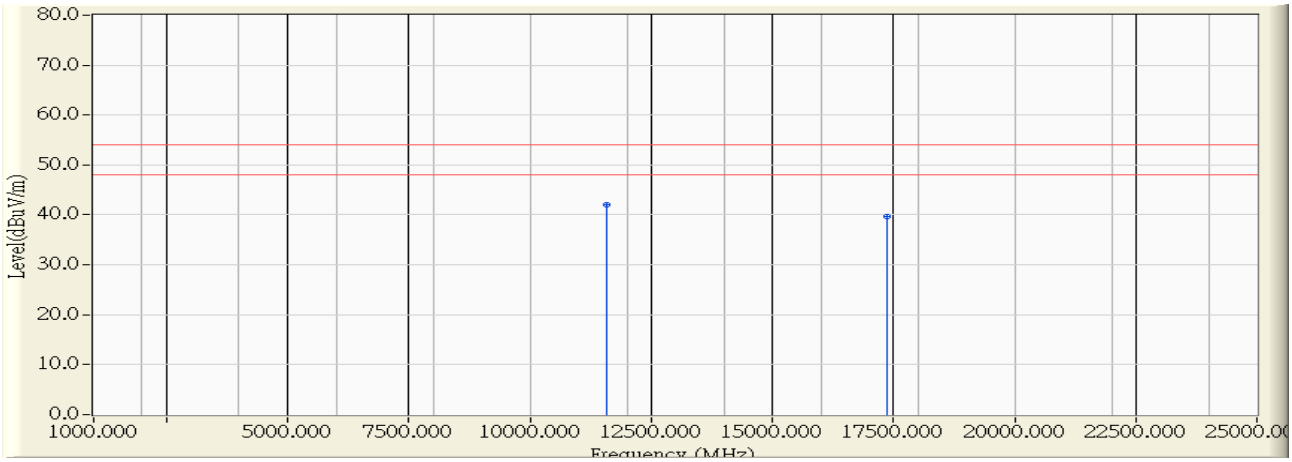


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	46.340	57.817	-16.183	54.000	74.000	PEAK
2		17355.000	15.974	38.730	54.704	-19.296	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:13**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5785MHz**

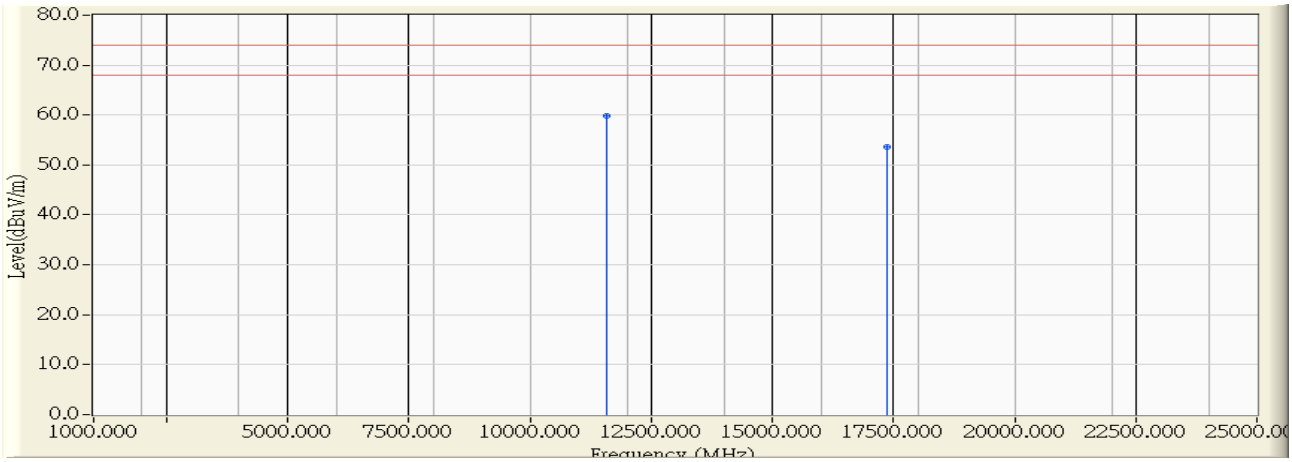


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	30.540	42.017	-11.983	54.000	74.000	AVERAGE
2		17355.000	15.974	23.794	39.768	-14.232	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:16**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5785MHz**

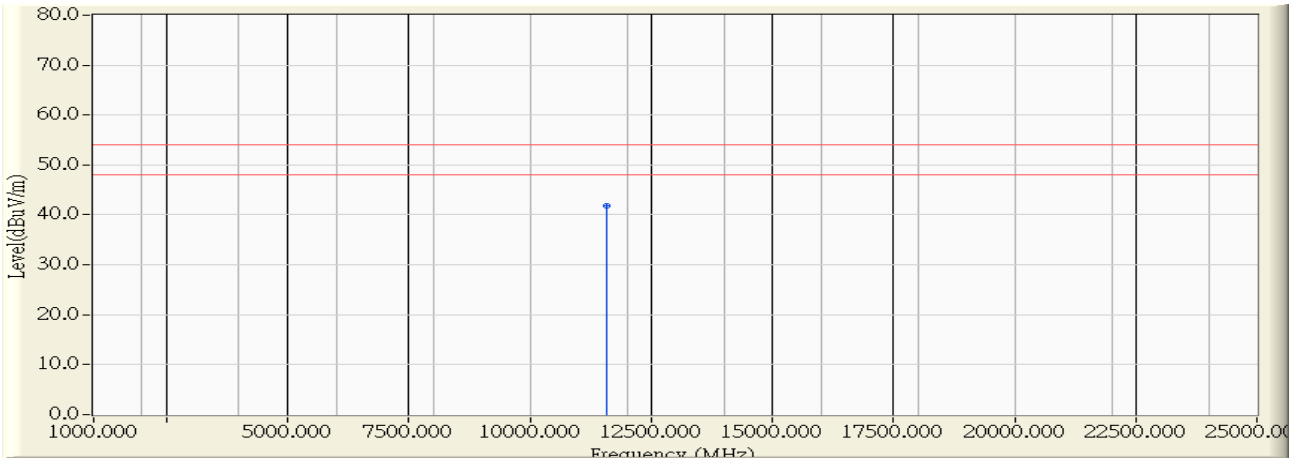


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	48.340	59.817	-14.183	54.000	74.000	PEAK
2		17355.000	15.974	37.730	53.704	-20.296	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:16**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5785MHz**

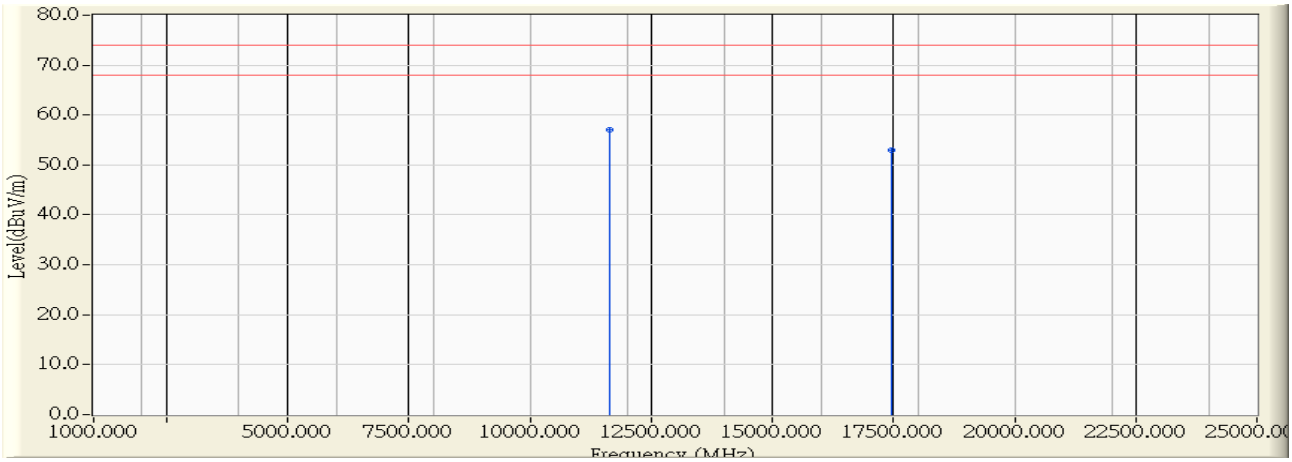


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	11.477	30.270	41.747	-12.253	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:19**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5825MHz**

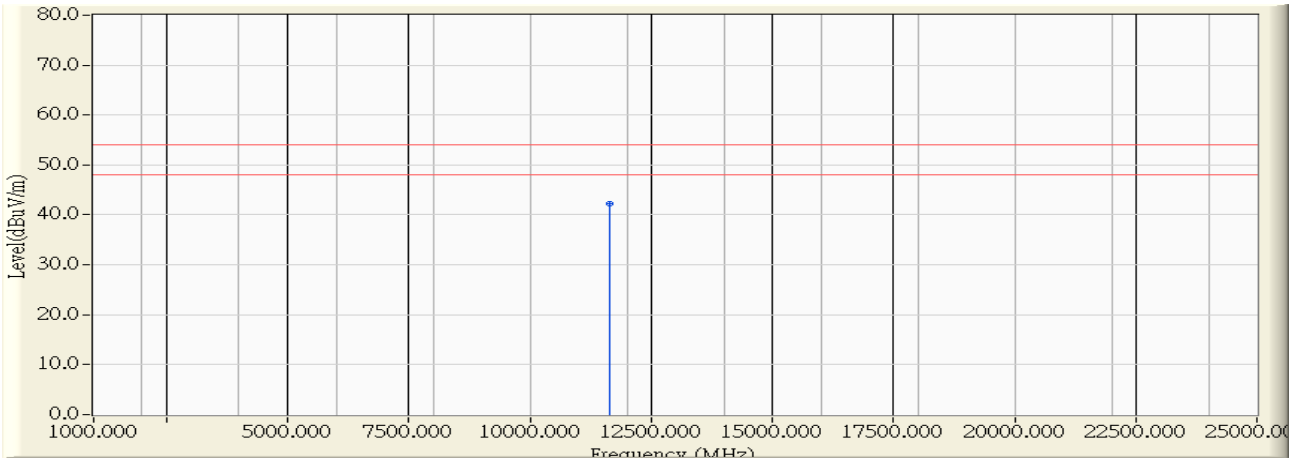


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	45.740	57.155	-16.845	54.000	74.000	PEAK
2		17475.000	16.526	36.500	53.026	-20.974	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:19**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5825MHz**

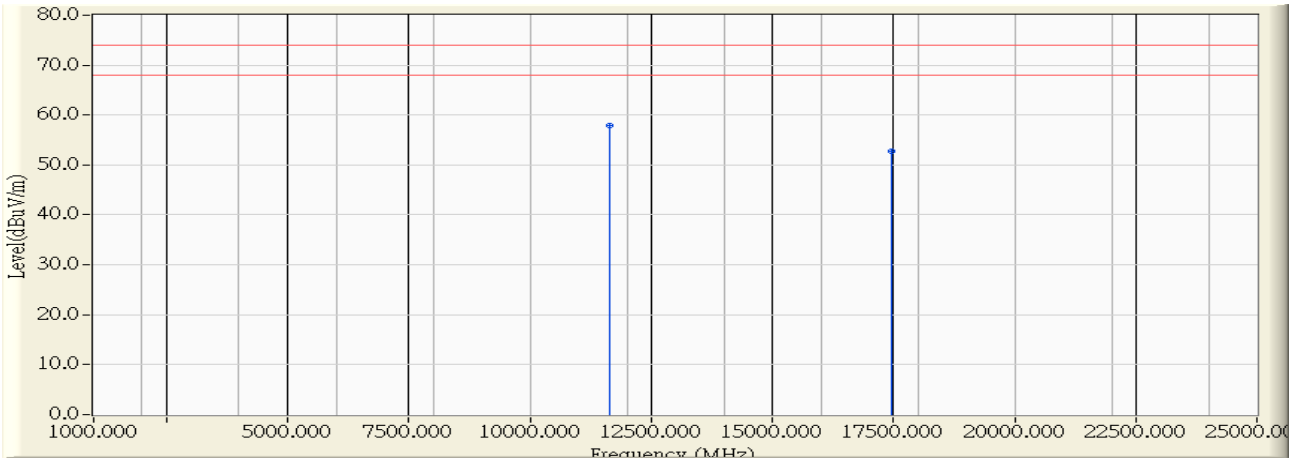


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	30.920	42.335	-11.665	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:23**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5825MHz**

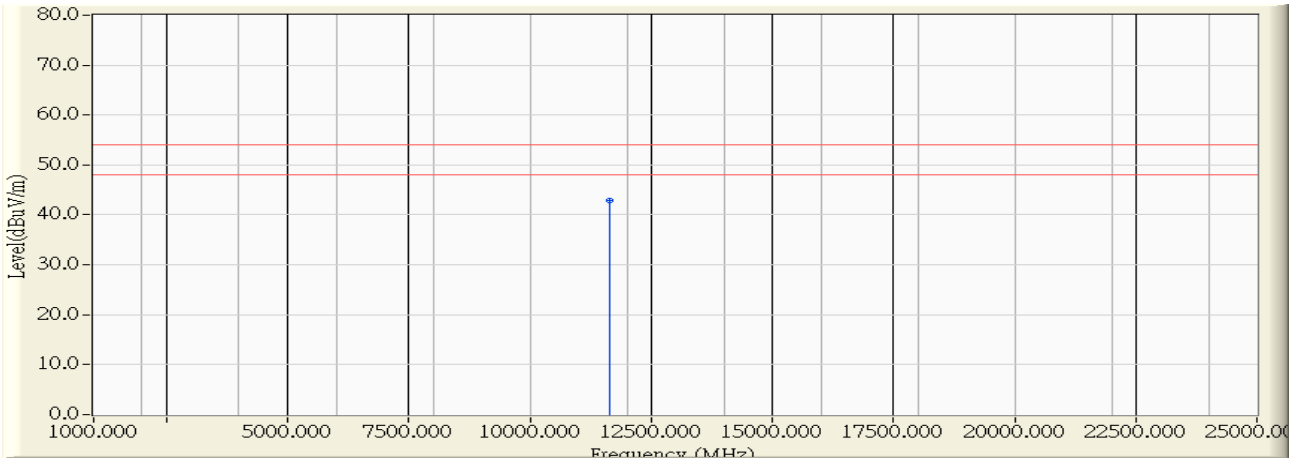


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	46.550	57.965	-16.035	54.000	74.000	PEAK
2		17475.000	16.526	36.230	52.756	-21.244	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:24**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n20 5825MHz**

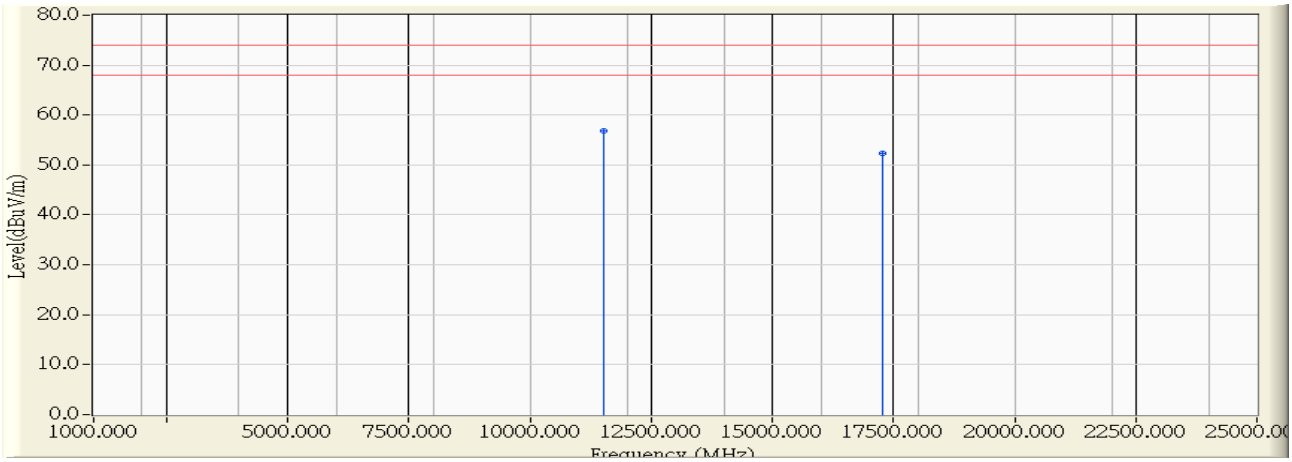


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11650.000	11.415	31.520	42.935	-11.065	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:28**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5755MHz**

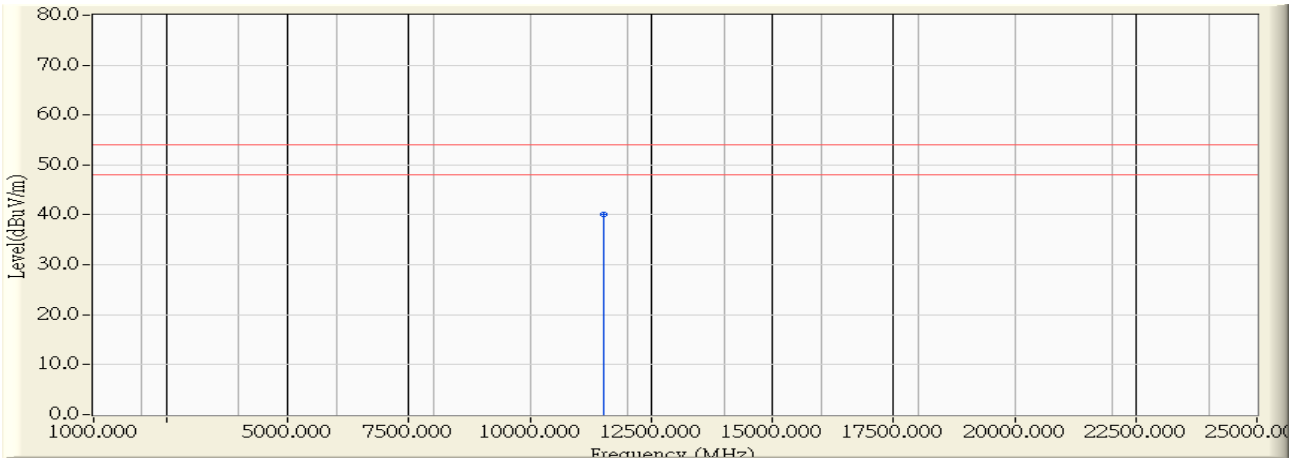


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11510.000	11.523	45.300	56.823	-17.177	54.000	74.000	PEAK
2		17265.000	15.560	36.850	52.410	-21.590	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:28**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5755MHz**

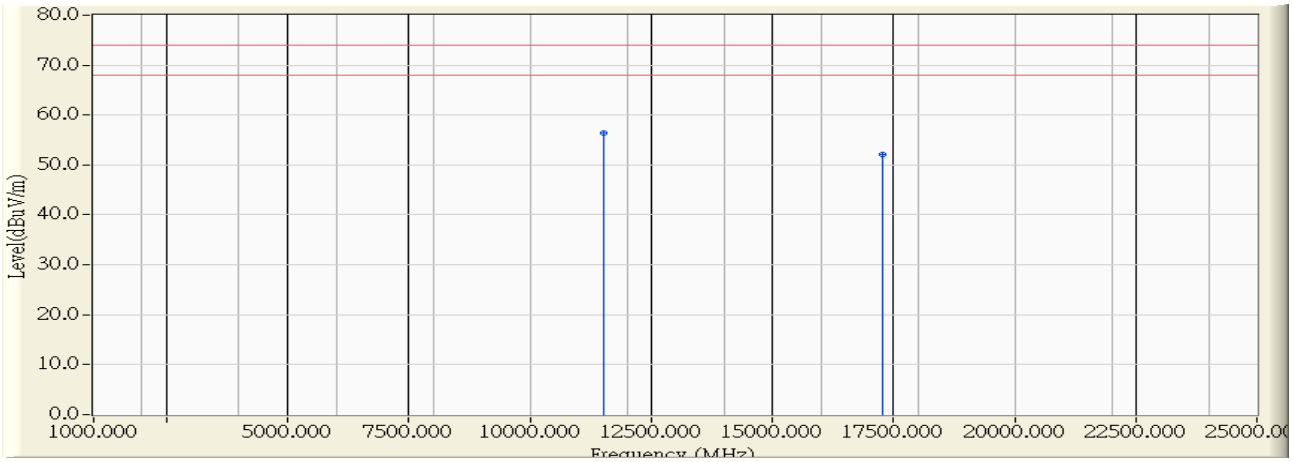


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11510.000	11.523	28.690	40.213	-13.787	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5755MHz**

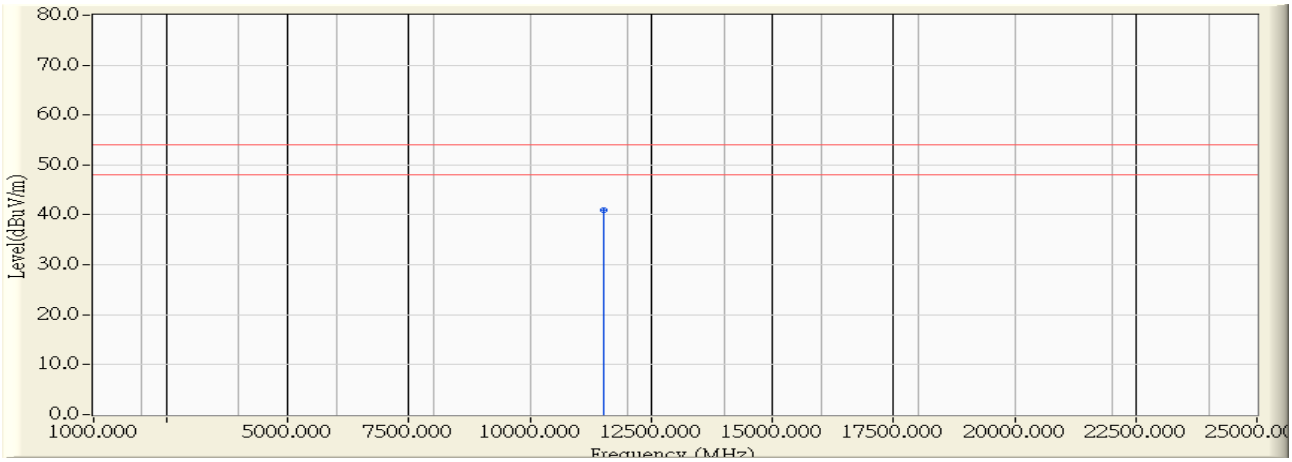


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11510.000	11.523	44.830	56.353	-17.647	54.000	74.000	PEAK
2		17265.000	15.560	36.530	52.090	-21.910	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:32**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5755MHz**

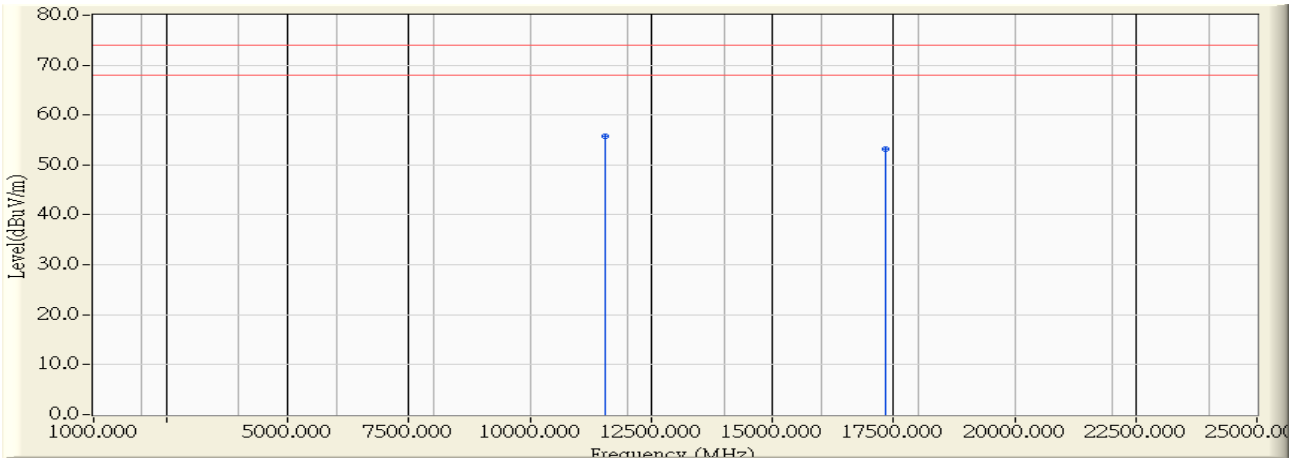


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11510.000	11.523	29.350	40.873	-13.127	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11ac80 5775MHz**

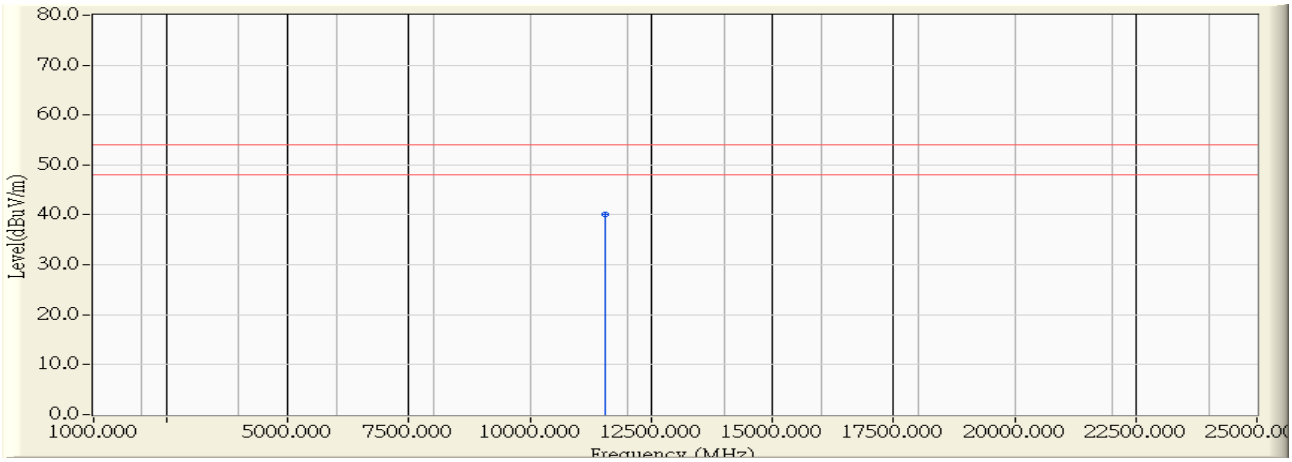


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11550.000	11.492	44.320	55.812	-18.188	54.000	74.000	PEAK
2		17325.000	15.836	37.390	53.226	-20.774	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:42**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11ac80 5775MHz**

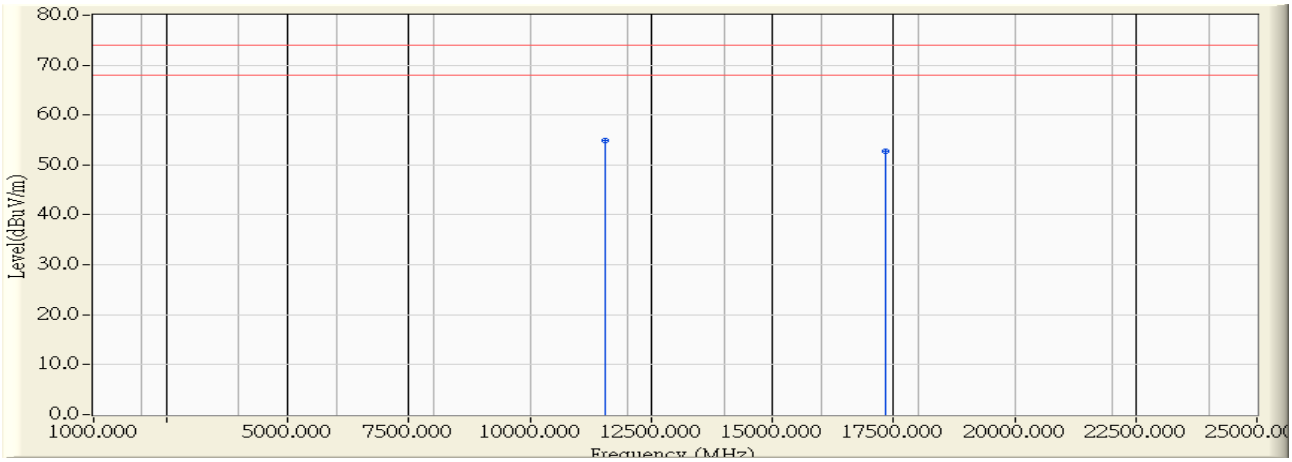


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11550.000	11.492	28.690	40.182	-13.818	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11ac80 5775MHz**

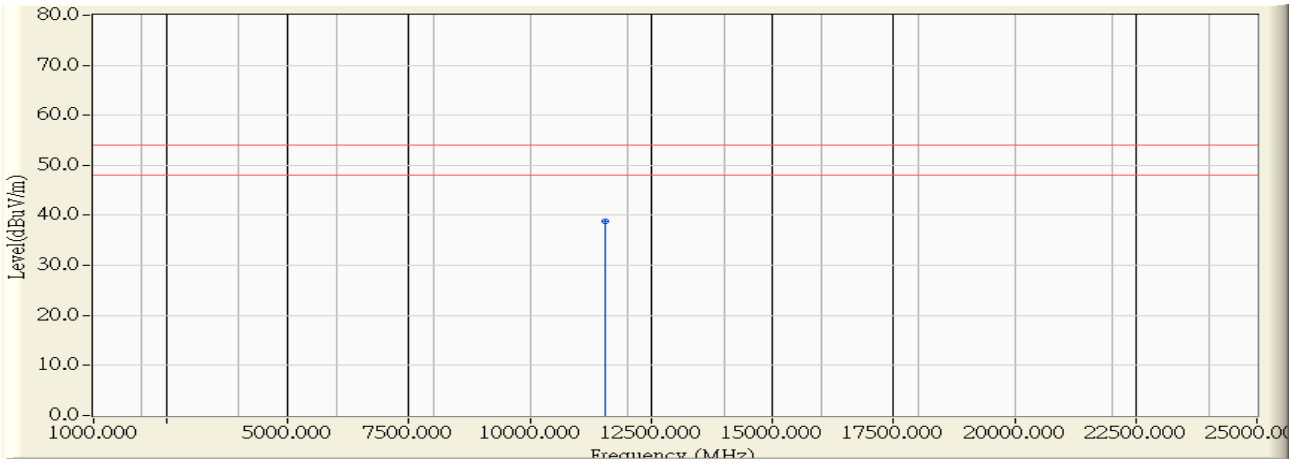


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11550.000	11.492	43.510	55.002	-18.998	54.000	74.000	PEAK
2		17325.000	15.836	36.830	52.666	-21.334	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:46**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11ac80 5775MHz**

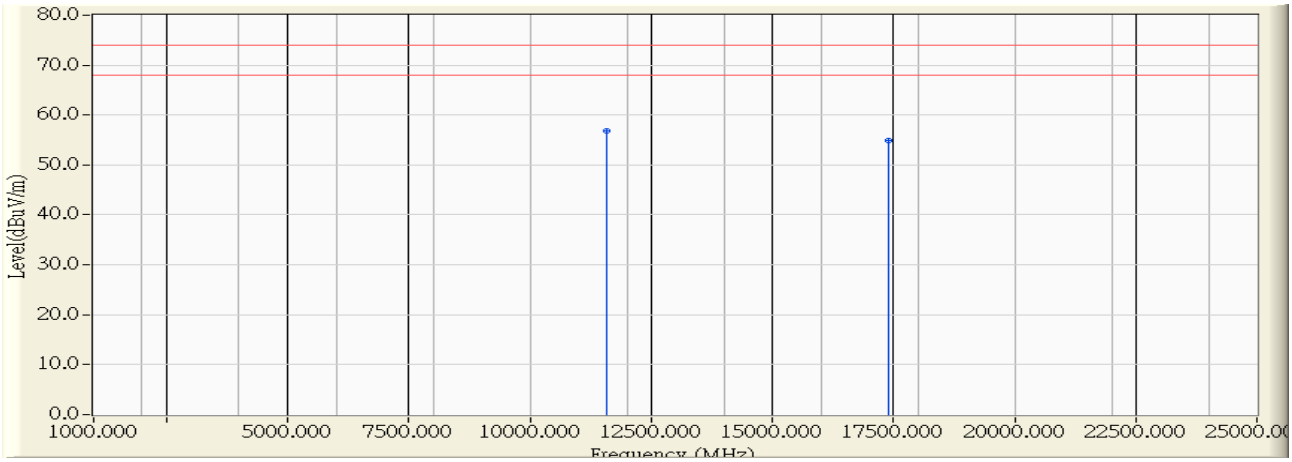


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11550.000	11.492	27.370	38.862	-15.138	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:34**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5795MHz**

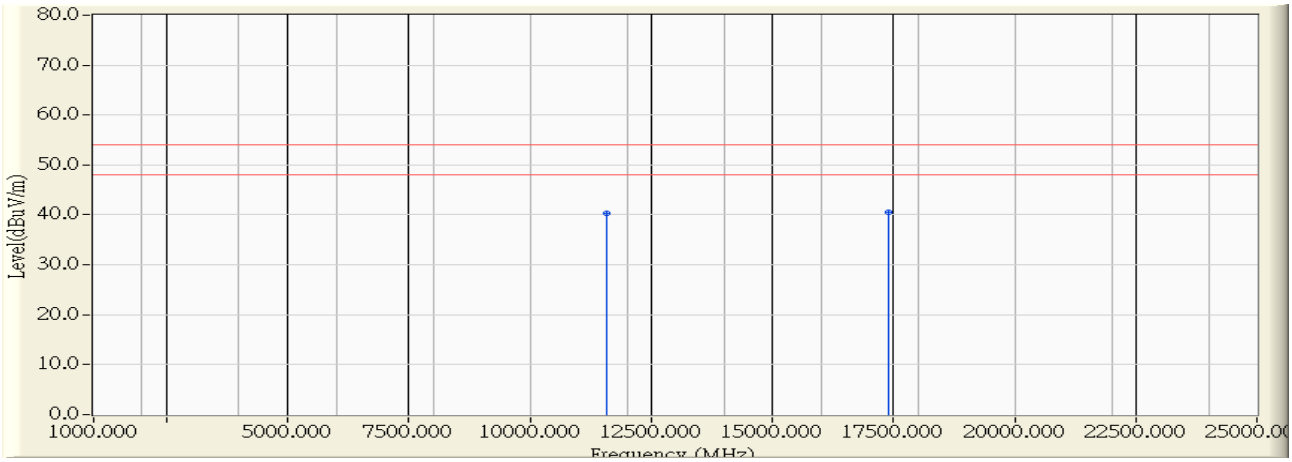


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11590.000	11.461	45.370	56.831	-17.169	54.000	74.000	PEAK
2		17385.000	16.112	38.770	54.882	-19.118	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:34**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5795MHz**

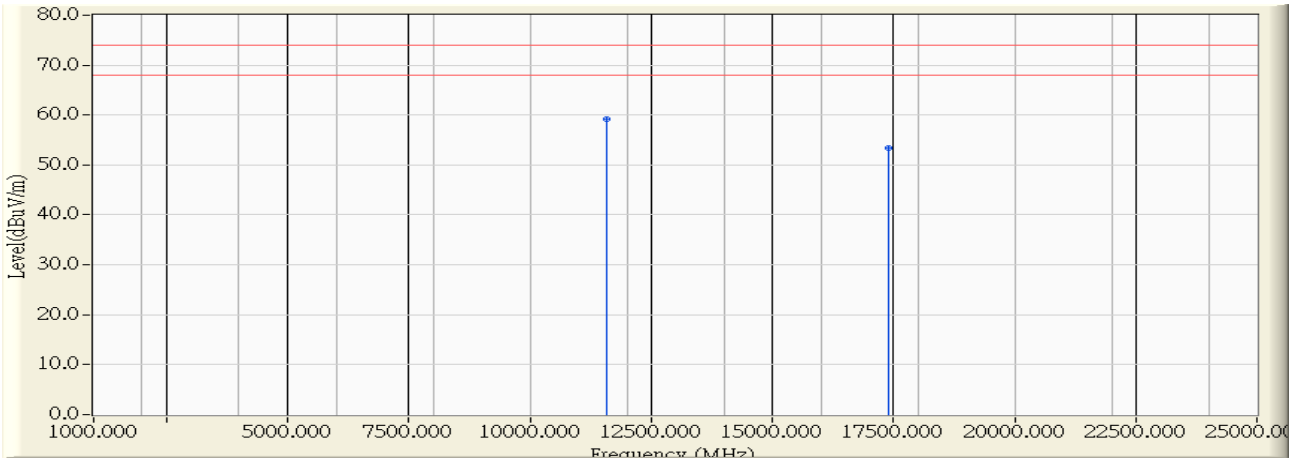


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11590.000	11.461	28.831	40.292	-13.708	54.000	74.000	AVERAGE
2	*	17385.000	16.112	24.490	40.602	-13.398	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:38**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5795MHz**

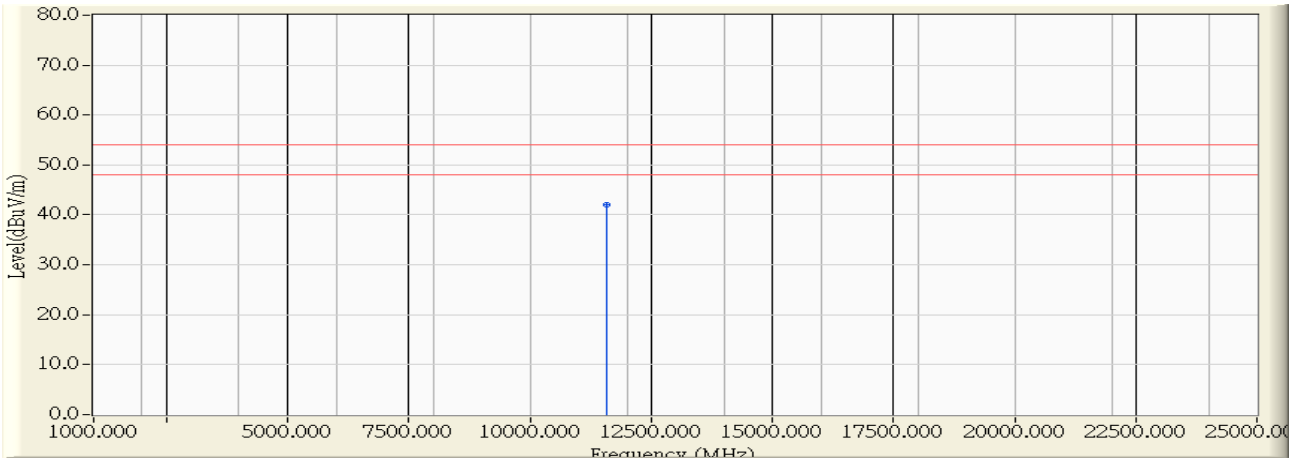


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11590.000	11.461	47.710	59.171	-14.829	54.000	74.000	PEAK
2		17385.000	16.112	37.220	53.332	-20.668	54.000	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	**Time : 2013/07/26 - 18:38**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : DC 3.3V (Power by PC)**
EUT : Dual Band 3x3 802.11ac PCI-E Adapter	**Note : Mode 1: Transmit (CDD mode)** **802.11n40 5795MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11590.000	11.461	30.620	42.081	-11.919	54.000	74.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, 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. The Emission above 18GHz were not included is because their levels are too low.