

CERPASS TECHNOLOGY CORP.

7.5 Test Result and Data

Test Date: Aug. 27, 2013 Temperature: 25° C Atmospheric pressure: 1019 hPa Humidity: 42%

Modulation Standard Channe		Frequency (MHz)	Peak P	ower Out	Peak Power Output(mW)	
Standard		(1011 12)	ANT R	ANT L	ANT R+L	ANT R+L
	01	2412	24.22	24.11	27.18	521.87
802.11b (11Mbps)	06	2437	24.27	24.22	27.26	531.54
(TTVIDPS)	11	2462	24.32	24.14	27.24	529.81
000.44	01	2412	26.24	26.23	29.25	840.49
802.11g (54Mbps)	06	2437	26.17	26.03	29.11	814.87
	11	2462	26.39	26.11	29.26	843.83

Modulation	Channel	Channel Frequency		k Power ((dBm)	Peak Power Output (mW)	
Standard		(MHz)	ANT R	ANT L	ANT R+L	ANT R+L
000 44 11700	01	2412	24.38	24.21	27.31	537.8
802.11n HT20 (130Mbps)	06	2437	24.08	24.26	27.18	522.5
(Toolvibps)	11	2462	24.07	24.10	27.10	512.3
000 44 - 11740	03	2422	24.43	24.03	27.24	530.3
802.11n HT40 (270Mbps)	06	2437	24.23	24.43	27.34	542.2
	09	2452	24.29	24.14	27.23	528.0

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Test Date: Aug. 28, 2013 Temperature: 26° C Atmospheric pressure: 1019 hPa Humidity: 45%

Modulation Standard	Channel	Frequency (MHz)	Peak Po	ower Outp	out (dBm)	Peak Power Output (mW)
		(1011 12)	ANT R	ANT L	ANT R+L	ANT R+L
	149	5745	23.37	23.05	26.22	419.11
802.11a (54Mbps)	157	5785	23.16	23.36	26.27	423.78
(341/10093)	165	5825	23.09	23.43	26.27	424.00

Modulation Standard	Channel	annel Frequency (MHz)		Peak Power Output (dBm)			
Startuaru		(1011 12)	ANT R	ANT L	ANT R+L	ANT R+L	
802.11an	149	5745	23.12	23.33	26.24	420.39	
HT20	157	5785	23.29	23.03	26.17	414.21	
(130Mbps)	165	5825	23.11	23.42	26.28	424.43	
802.11an	151	5755	23.35	23.27	26.32	428.60	
HT40 (270Mbps)	155	5775	23.15	23.35	26.26	422.81	
	159	5795	23.32	23.27	26.31	427.11	

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Test Date: Aug. 27, 2013 Temperature: 25° C Atmospheric pressure: 1019 hPa Humidity: 42%

Modulation Standard	Channel	hannel Frequency (MHz)		Power Ou	Average Power Output (mW)	
		, ,	ANT R	ANT L	ANT R+L	ANT R+L
000 441	01	2412	21.86	21.85	24.87	306.57
802.11b (11Mbps)	06	2437	21.93	22.06	25.01	316.65
(11111003)	11	2462	22.03	21.99	25.02	317.71
000 44 **	01	2412	15.99	16.11	19.06	80.55
802.11g (54Mbps)	06	2437	16.04	15.88	18.97	78.90
	11	2462	16.33	15.95	19.15	82.31

Modulation Standard	Channel Frequency (MHz)		Average	Power O	Average Power Output (mW)	
		(****:-/	ANT R	ANT L	ANT R+L	
	01	2412	14.33	14.10	17.23	52.8
802.11n HT20 (130Mbps)	06	2437	14.17	14.23	17.21	52.6
(1001/1003)	11	2462	14.24	14.16	17.21	52.6
802.11n HT40 (270Mbps)	03	2422	13.88	13.39	16.65	46.3
	06	2437	13.75	13.92	16.85	48.4
	09	2452	13.83	13.54	16.70	46.8

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Test Date: Aug. 27, 2013 Temperature: 25° C Atmospheric pressure: 1019 hPa Humidity: 42%

Modulation Standard Channel		Frequency (MHz)	Average F	Average Power Output (mW)		
			ANT R	ANT L	ANT R+L	
000 44 -	149	5745	13.12	12.92	16.03	40.10
802.11a	157	5785	12.97	13.21	16.10	40.76
(54Mbps)	165	5825	12.84	13.27	16.07	40.46

Modulation Standard Channel		Frequency (MHz)	Average	Power Ou	Average Power Output (mW)	
		,	ANT R	ANT L	ANT R+L	ANT R+L
802.11an	149	5745	13.18	13.41	16.31	42.73
HT20	157	5785	13.57	13.03	16.32	42.84
(130Mbps)	165	5825	13.41	13.47	16.45	44.16
802.11an	151	5755	12.69	12.72	15.72	37.28
HT40	155	5775	12.49	12.65	15.58	36.15
(270Mbps)	159	5795	12.88	12.57	15.74	37.48

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8. Power Spectral Density

8.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm (2.4GHz), 6.99dBm (5GHz).

8.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- c. The power spectral density was measured and recorded.

8.3 Test Setup Layout



8.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	R&S	FSP40	100047	2013/03/15	2014/03/14

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8.5 Test Result and Data

Test Date: Aug. 27, 2013 Temperature: 25°C Atmospheric pressure: 1019 hPa Humidity: 42%

Modulation Standard	Channel	Frequency (MHz)	Measured Power Density (dBm)			
		(1011 12)	ANT R	ANT R ANT L ANT R+L		
802.11b (11Mbps)	01	2412	-9.44	-10.78	-7.05	
	06	2437	-8.89	-10.51	-6.61	
	11	2462	-9.21	-10.68	-6.87	
802.11g (54Mbps)	01	2412	-13.85	-13.83	-10.83	
	06	2437	-13.51	-14.27	-10.86	
	11	2462	-13.24	-14.03	-10.61	

Modulation Standard	Channel	Frequency (MHz)	Measured Power Density (dBm)			
			ANT R	ANT L	ANT R+L	
	01	2412	-13.29	-15.23	-11.14	
802.11n HT20 (130Mbps)	06	2437	-14.21	-15.08	-11.61	
(1001110)	11	2462	-14.04	-14.94	-11.46	
802.11n HT40 (270Mbps)	03	2422	-16.97	-15.51	-13.17	
	06	2437	-16.41	-16.07	-13.23	
(=: :::::::::::::::::::::::::::::::::::	09	2452	-16.57	-16.60	-13.57	

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Test Date: Aug. 28, 2013 Temperature: 26° C Atmospheric pressure: 1019 hPa Humidity: 45%

Modulation Standard	Channel	Frequency (MHz)	Measured	Power Dens	sity (dBm)
		(1011 12)	ANT R	ANT R ANT L ANT R+	
802.11a (54Mbps)	149	5745	-12.96	-14.30	-10.57
	157	5785	-14.59	-14.51	-11.54
	165	5825	-15.94	-14.28	-12.02

Modulation Standard	Channel	Frequency (MHz)	Measured Power Density (dBm)			
		(IVIFIZ)	ANT R	ANT L	ANT R+L	
000.44	149	5745	-13.89	-14.69	-11.26	
802.11an HT20 (130Mbps)	157	5785	-14.91	-15.57	-12.22	
	165	5825	-16.19	-14.26	-12.11	
000 44	151	5755	-14.58	-15.30	-11.91	
802.11an HT40 (270Mbps)	155	5775	-15.66	-16.65	-13.12	
	159	5795	-16.33	-17.07	-13.67	

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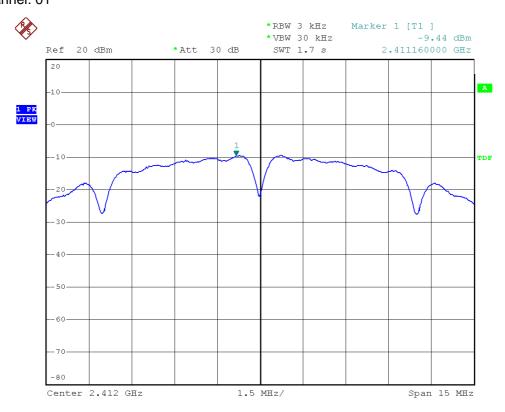
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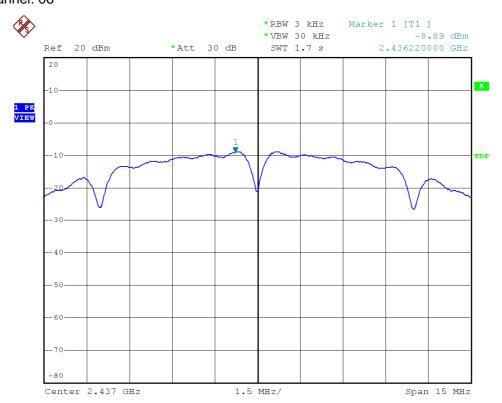
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Modulation Standard: 802.11b (11Mbps), ANT R Channel: 01



Modulation Standard: 802.11b (11Mbps), ANT R Channel: 06



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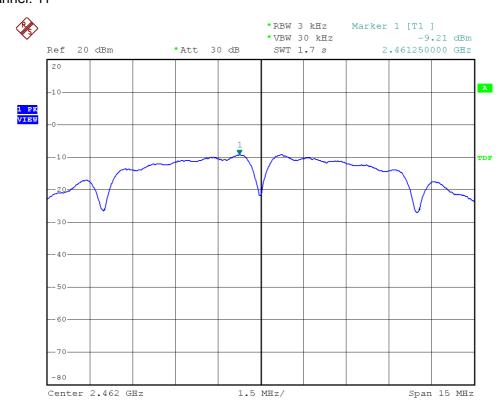
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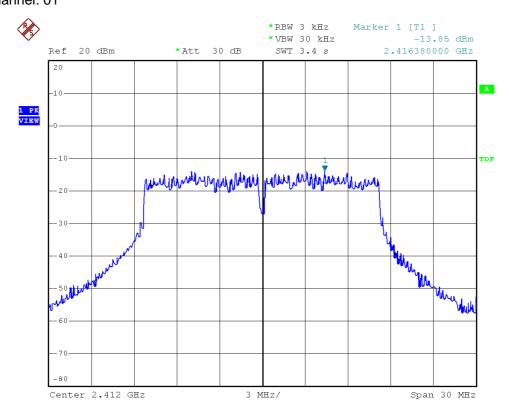
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Modulation Standard: 802.11b (11Mbps), ANT R Channel: 11



Modulation Standard: 802.11g (54Mbps), ANT R Channel: 01



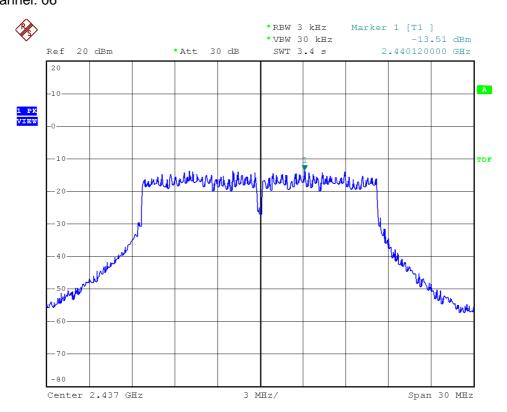
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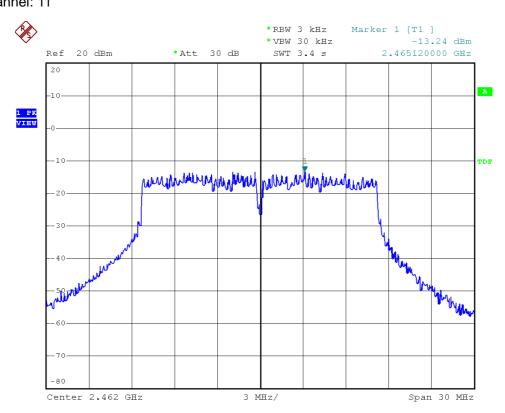
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Modulation Standard: 802.11g (54Mbps), ANT R Channel: 06



Modulation Standard: 802.11g (54Mbps), ANT R Channel: 11



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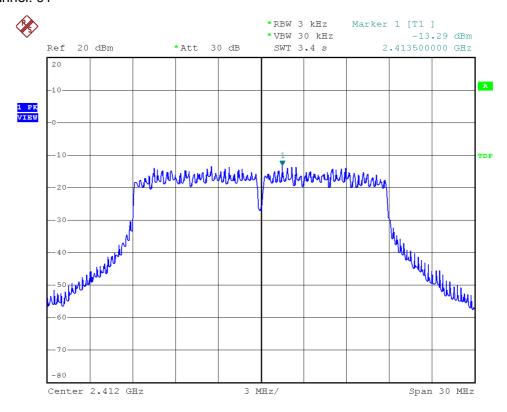
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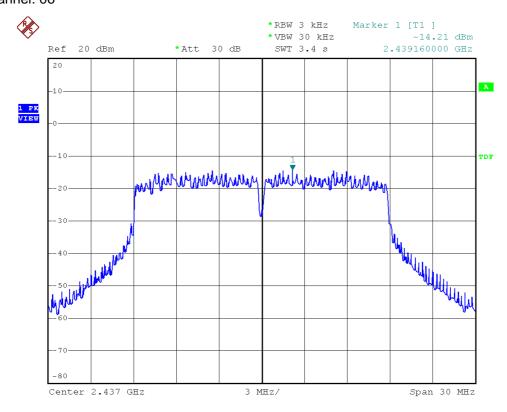
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Modulation Standard: 802.11n HT20 (130Mbps), ANT R Channel: 01



Modulation Standard: 802.11n HT20 (130Mbps), ANT R Channel: 06



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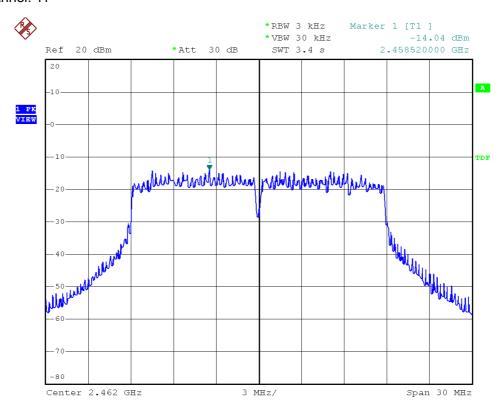
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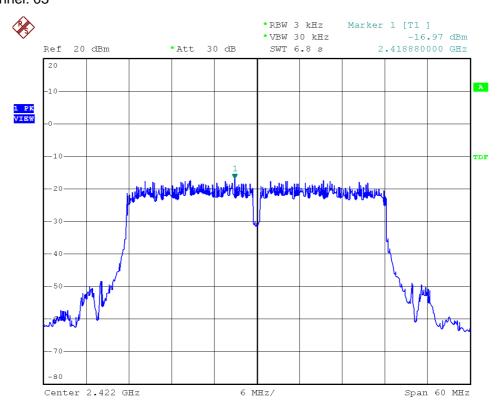
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Modulation Standard: 802.11n HT20 (130Mbps), ANT R Channel: 11



Modulation Standard: 802.11n HT40 (270Mbps), ANT R Channel: 03



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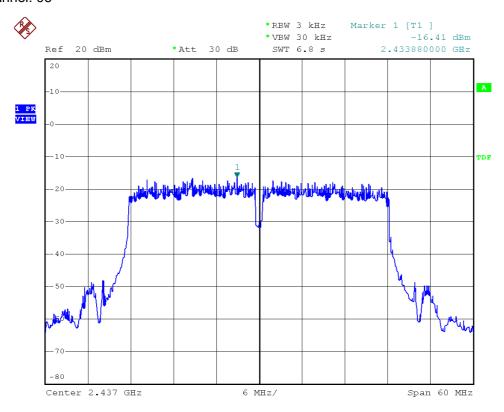
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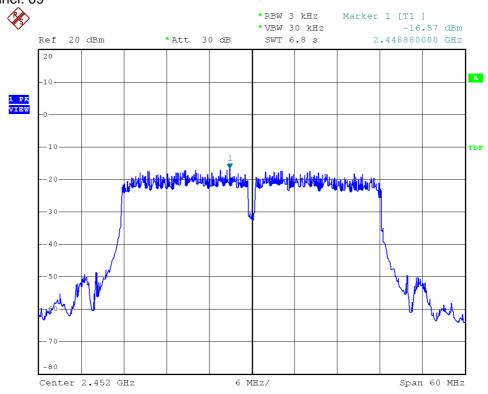
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Modulation Standard: 802.11n HT40 (270Mbps), ANT R Channel: 06



Modulation Standard: 802.11n HT40 (270Mbps), ANT R Channel: 09



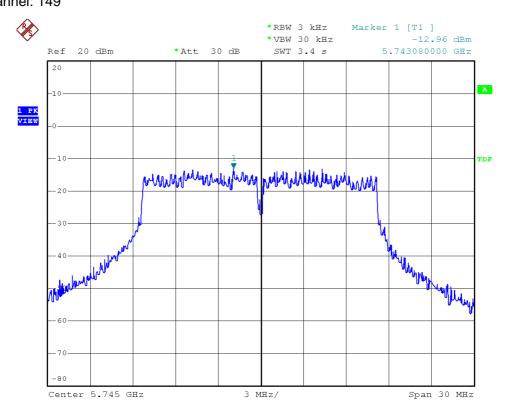
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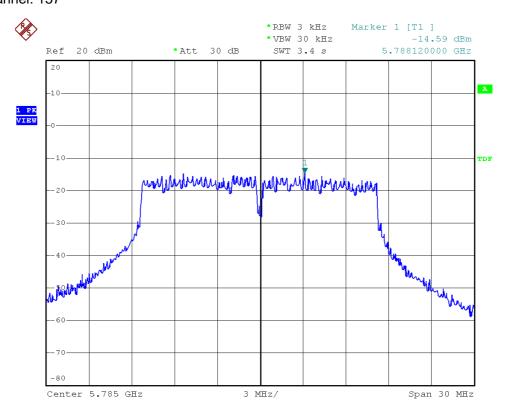
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Modulation Standard: 802.11a (54Mbps), ANT R Channel: 149



Modulation Standard: 802.11a (54Mbps), ANT R Channel: 157



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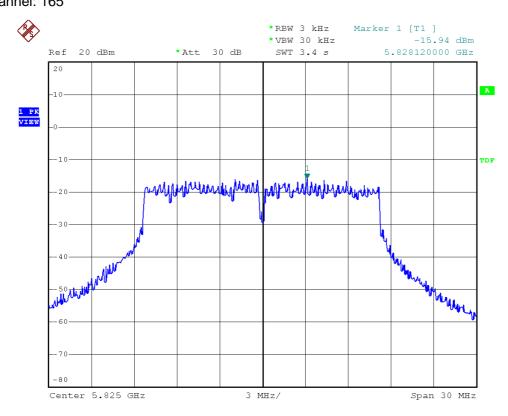
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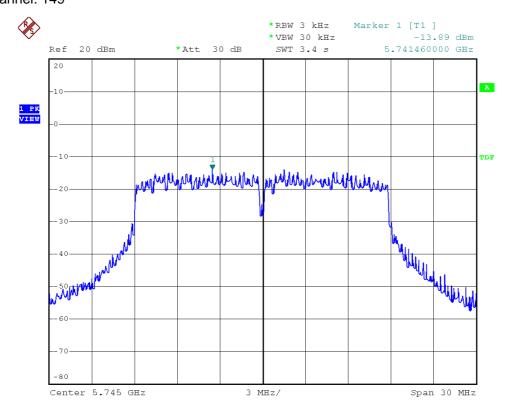
Report No.: TEFI1308096



Modulation Standard: 802.11a (54Mbps), ANT R Channel: 165



Modulation Standard: 802.11an HT20 (130Mbps), ANT R Channel: 149



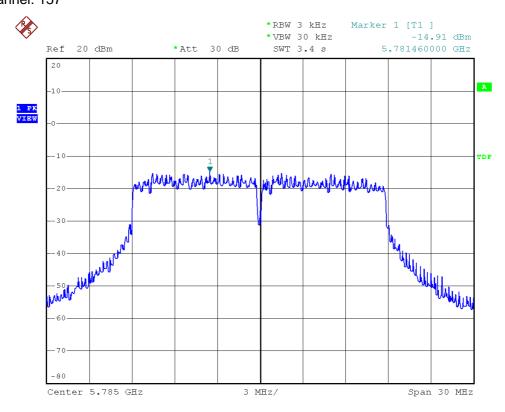
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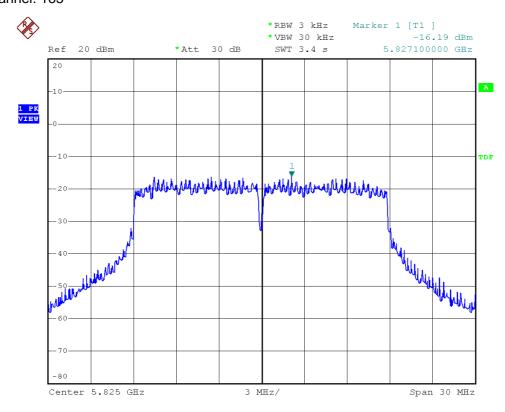
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Modulation Standard: 802.11an HT20 (130Mbps), ANT R Channel: 157



Modulation Standard: 802.11an HT20 (130Mbps), ANT R Channel: 165



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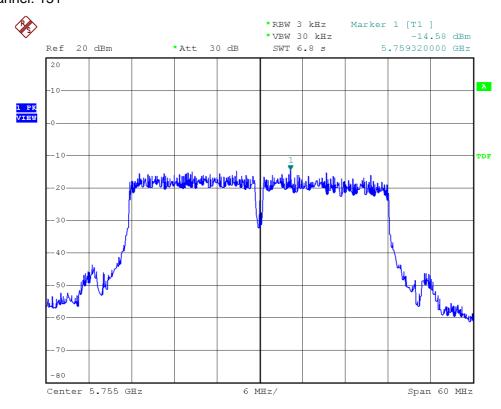
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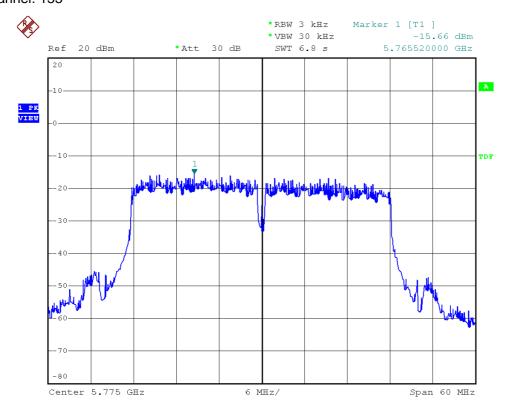
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Modulation Standard: 802.11an HT40 (270Mbps), ANT R Channel: 151



Modulation Standard: 802.11an HT40 (270Mbps), ANT R Channel: 155



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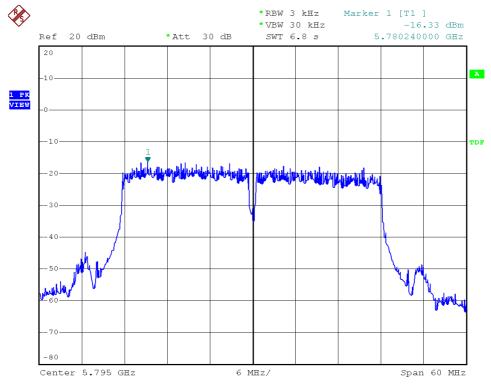
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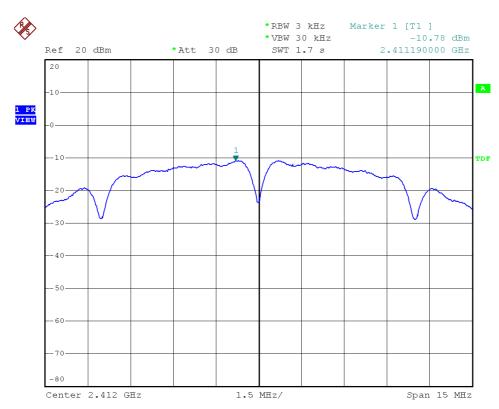


Modulation Standard: 802.11an HT40 (270Mbps), ANT R Channel: 159



Modulation Standard: 802.11b (11Mbps), ANT L

Channel: 01



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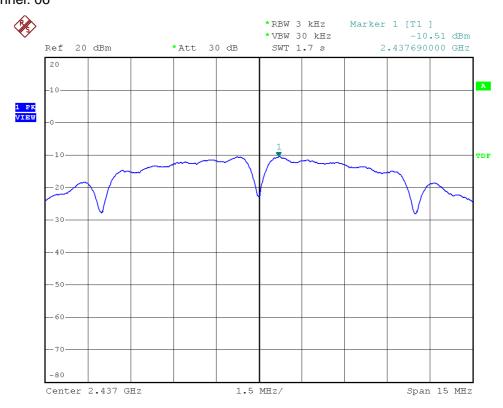
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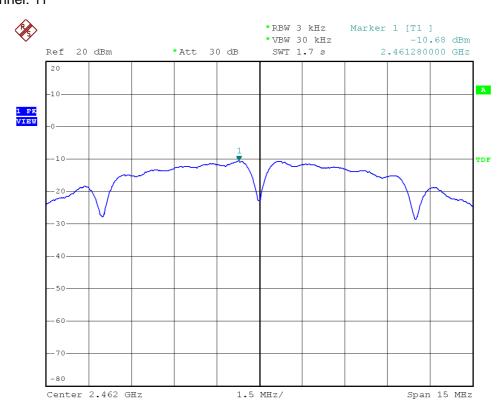
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Modulation Standard: 802.11b (11Mbps), ANT L Channel: 06



Modulation Standard: 802.11b (11Mbps), ANT L Channel: 11



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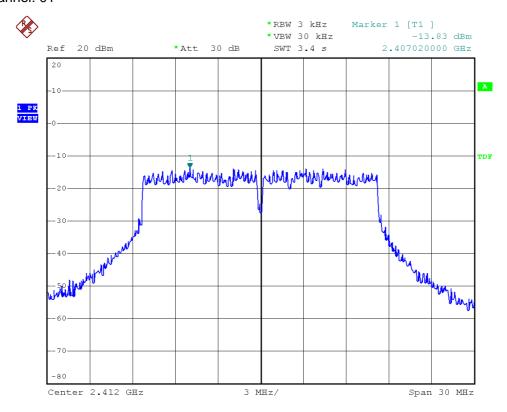
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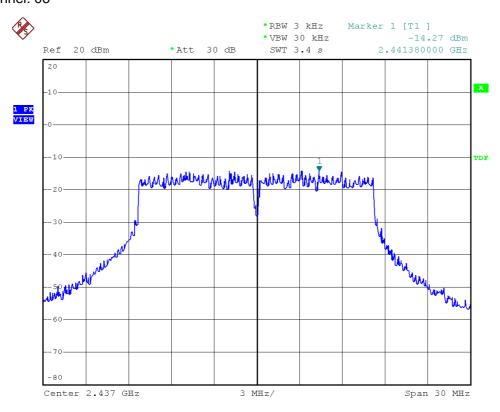
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Modulation Standard: 802.11g (54Mbps), ANT L Channel: 01



Modulation Standard: 802.11g (54Mbps), ANT L Channel: 06



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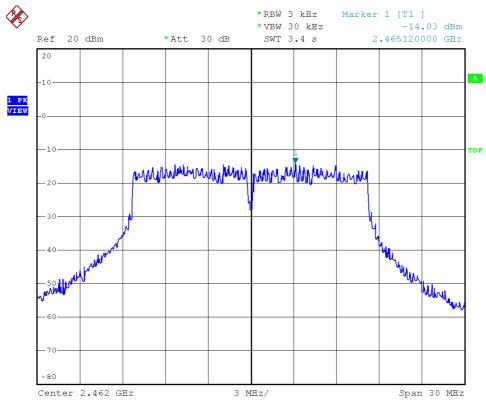
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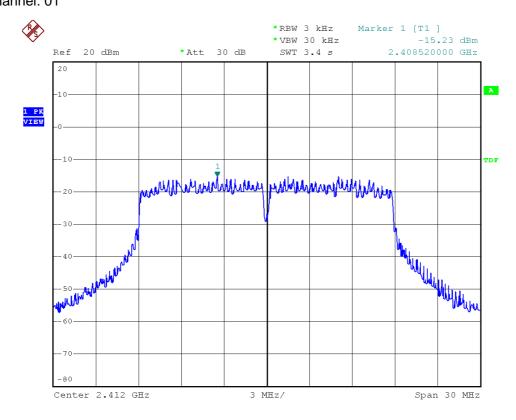
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Modulation Standard: 802.11g (54Mbps), ANT L Channel: 11



Modulation Standard: 802.11n HT20 (130Mbps), ANT L Channel: 01



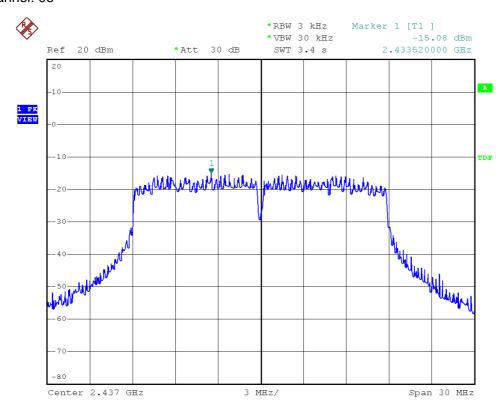
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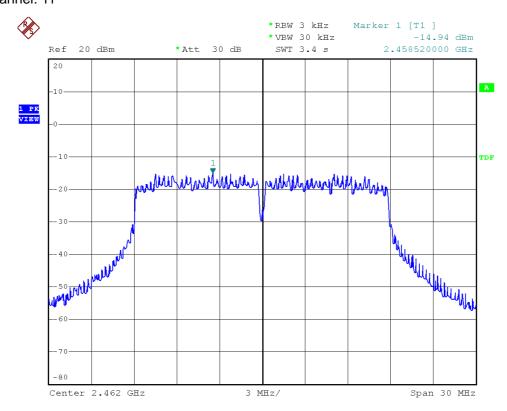
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Modulation Standard: 802.11n HT20 (130Mbps), ANT L Channel: 06



Modulation Standard: 802.11n HT20 (130Mbps), ANT L Channel: 11



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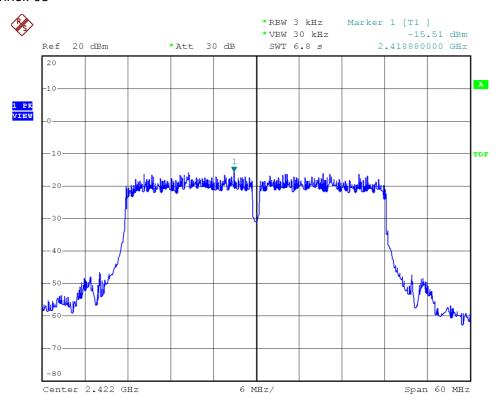
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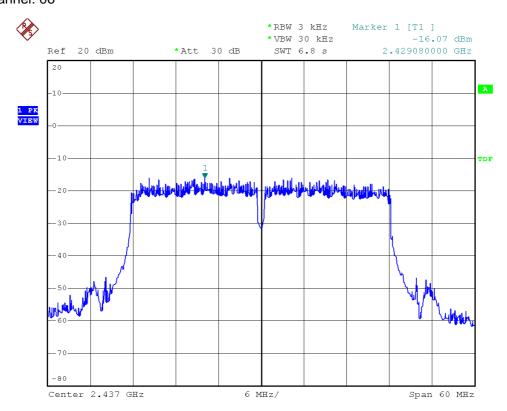
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Modulation Standard: 802.11n HT40 (270Mbps), ANT L Channel: 03



Modulation Standard: 802.11n HT40 (270Mbps), ANT L Channel: 06



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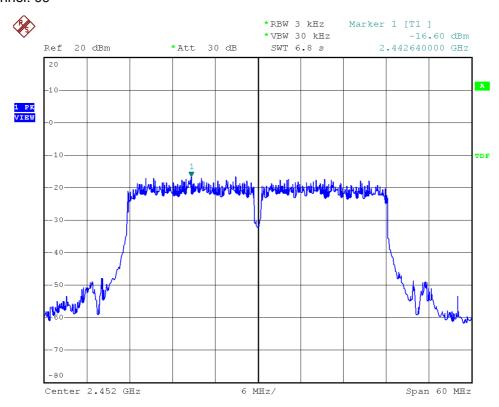
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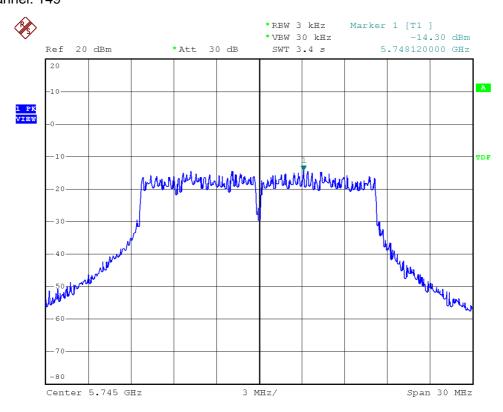
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Modulation Standard: 802.11n HT40 (270Mbps), ANT L Channel: 09



Modulation Standard: 802.11a (54Mbps), ANT L Channel: 149



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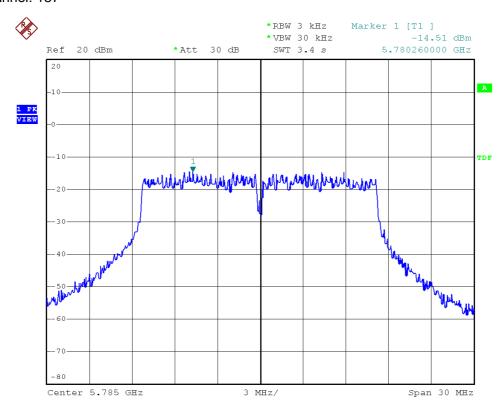
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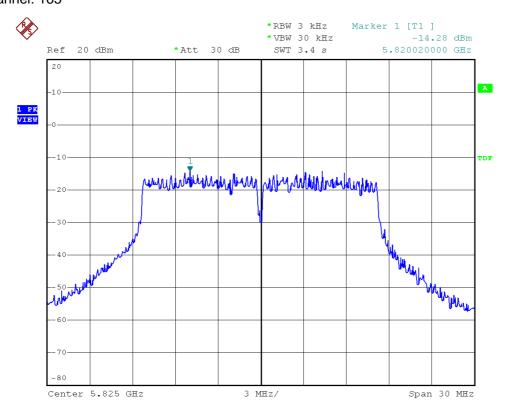
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Modulation Standard: 802.11a (54Mbps), ANT L Channel: 157



Modulation Standard: 802.11a (54Mbps), ANT L Channel: 165



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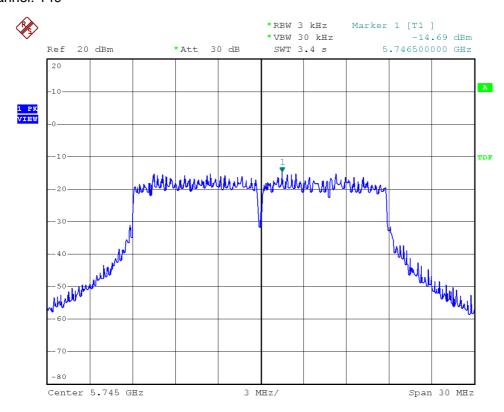
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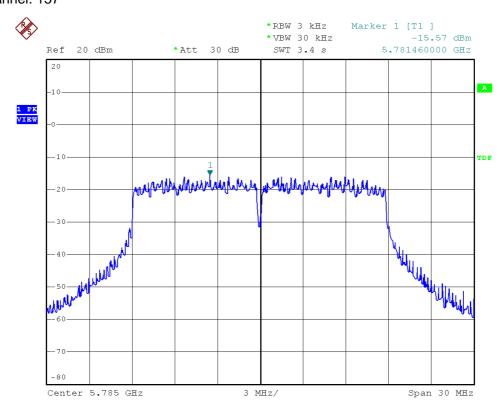
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Modulation Standard: 802.11an HT20 (130Mbps), ANT L Channel: 149



Modulation Standard: 802.11an HT20 (130Mbps), ANT L Channel: 157



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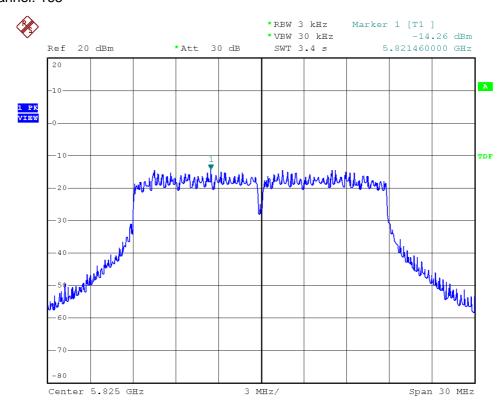
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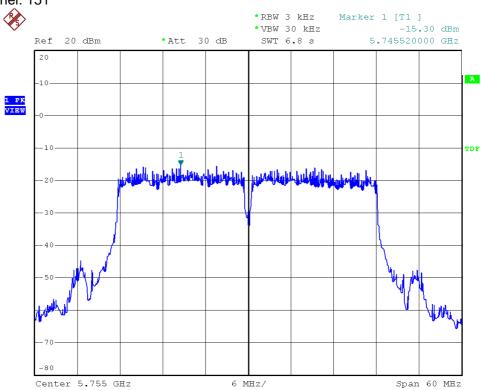
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Modulation Standard: 802.11an HT20 (130Mbps), ANT L Channel: 165



Modulation Standard: 802.11an HT40 (270Mbps), ANT L Channel: 151



Cerpass Technology Corp.

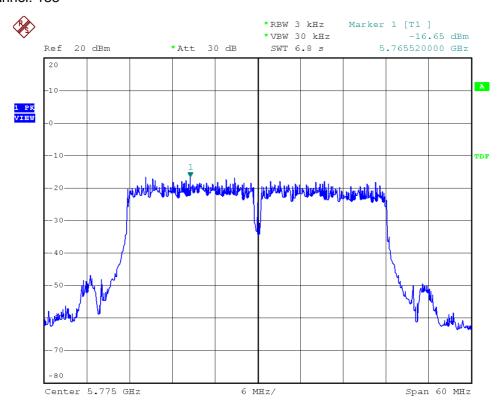
Tel:886-2-2655-8100 Fax:886-2-2655-8200

Issued date : Sep. 06, 2013 Page No. : 148 of 182

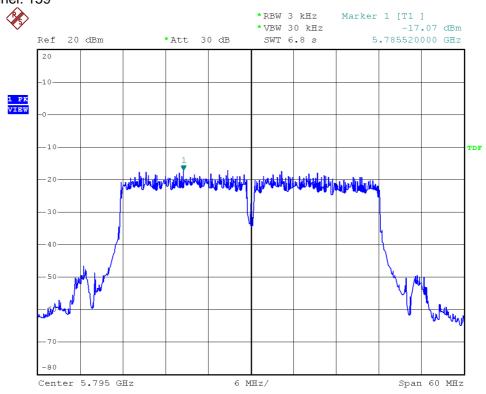
FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT40 (270Mbps), ANT L Channel: 155



Modulation Standard: 802.11an HT40 (270Mbps), ANT L Channel: 159



Cerpass Technology Corp.

Tel:886-2-2655-8100 Fax:886-2-2655-8200

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FCC ID : ZTT-AP20000G-2

9. Band Edges Measurement

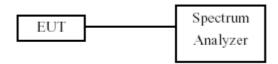
9.1 Test Limit

Below –20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

9.2 Test Procedure

- a. The transmitter output was connected to the spectrum analyzer via a low lose cable.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- c. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- d. The band edges was measured and recorded.

9.3 Test Setup Layout



9.4 Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	R&S	FSP40	100047	2013/03/15	2014/03/14

 Cerpass Technology Corp.
 Issued dat

 Tel:886-2-2655-8100
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9.5 Test Result and Data

Test Date: Aug. 27, 2013 Temperature: 25° C Atmospheric pressure: 1019 hPa Humidity: 42%

Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
			ANT R	ANT L	ANT R	ANT L
802.11b (11Mbps)	01	2412	2680.00	2680.00	-25.85	-22.55
	11	2462	2860.00	2860.00	-21.36	-24.30
802.11g (54Mbps)	01	2412	2400.00	2399.80	-25.90	-25.08
	11	2462	2500.10	2500.10	-40.55	-39.41
802.11n HT20	01	2412	2400.00	2399.60	-27.31	-27.23
(130Mbps)	11	2462	2500.10	2500.10	-40.69	-39.19
802.11n HT40 (270Mbps)	03	2422	2398.40	2398.00	-26.08	-25.69
	09	2452	2500.00	2500.00	-35.44	-35.14

Test Date: Aug. 28, 2013 Temperature: 26° C Atmospheric pressure: 1019 hPa Humidity: 45%

Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
Standard		(IVIIIZ)	ANT R	ANT L	ANT R	ANT L
802.11a	149	5745	5724.20	5725.00	-41.19	-32.22
(54Mbps)	165	5825	5850.00	5850.00	-43.10	-41.10
802.11an HT20	149	5745	5725.00	5724.80	-40.72	-27.45
(130Mbps)	165	5825	5850.00	5850.00	-43.53	-36.44
802.11an HT40	151	5755	5723.80	5723.00	-40.98	-22.50
(270Mbps)	159	5795	5864.40	5850.40	-45.05	-40.95

Cerpass Technology Corp.

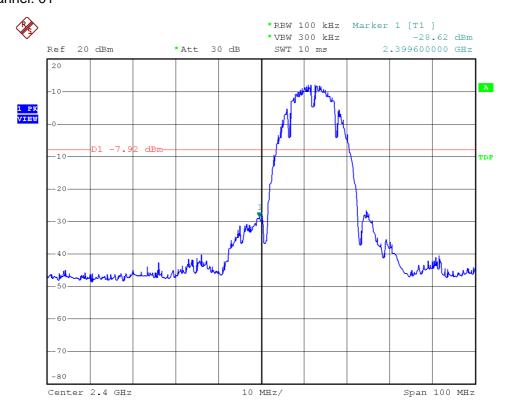
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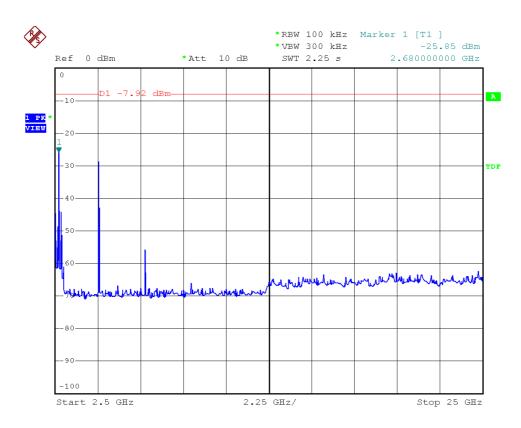
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11b (11Mbps), ANT R Channel: 01





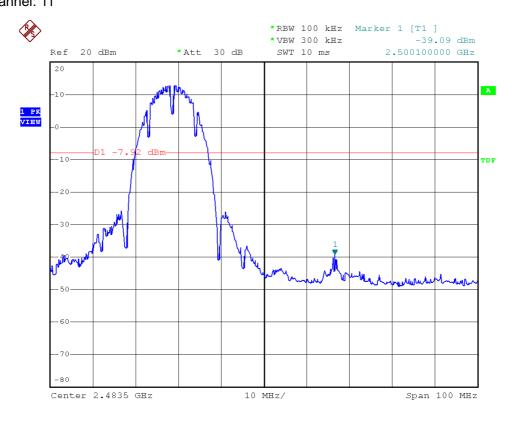
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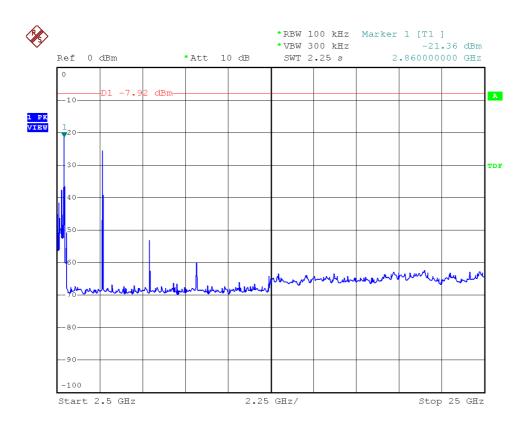
Issued date : Sep. 06, 2013
Page No. : 152 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11b (11Mbps), ANT R Channel: 11





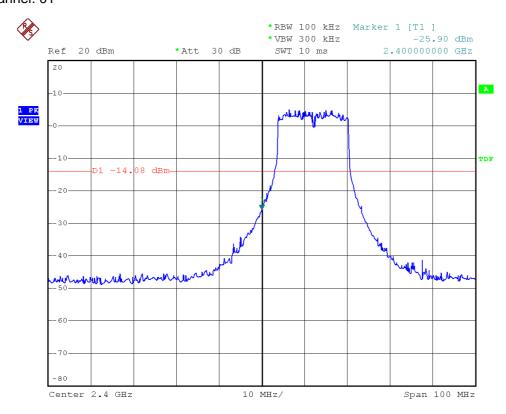
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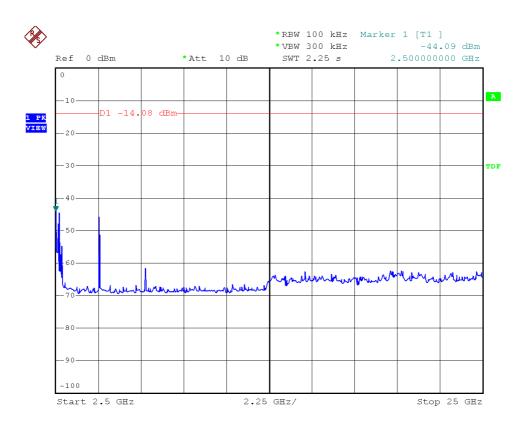
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11g (54Mbps), ANT R Channel: 01





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Issued date : Sep. 06, 2013

Page No.

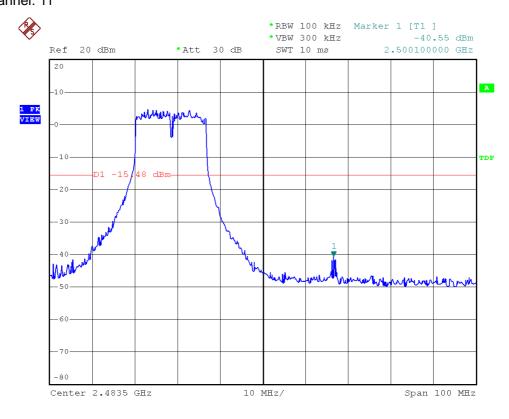
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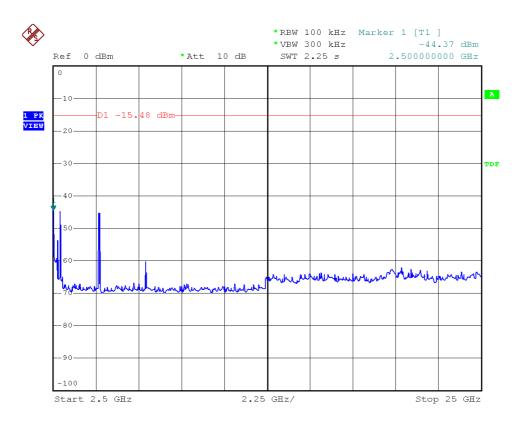
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Modulation Standard: 802.11g (54Mbps), ANT R Channel: 11





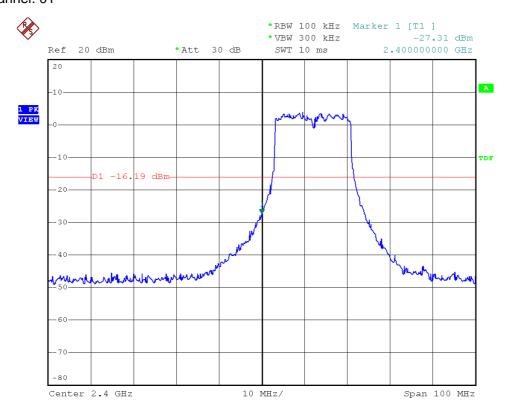
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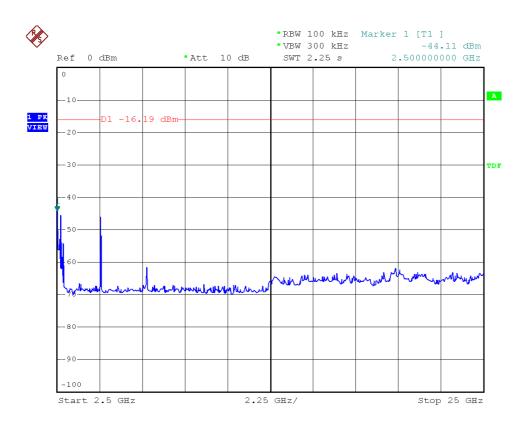
Issued date : Sep. 06, 2013 Page No. : 155 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT20 (130Mbps), ANT R Channel: 01





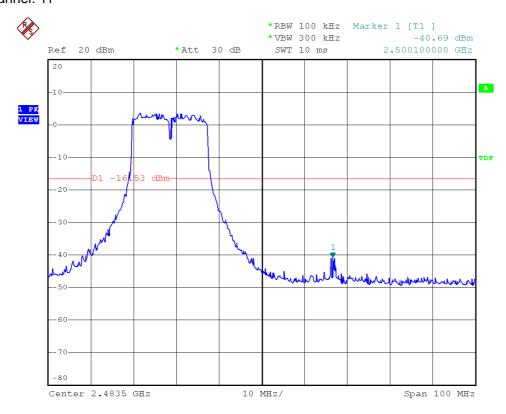
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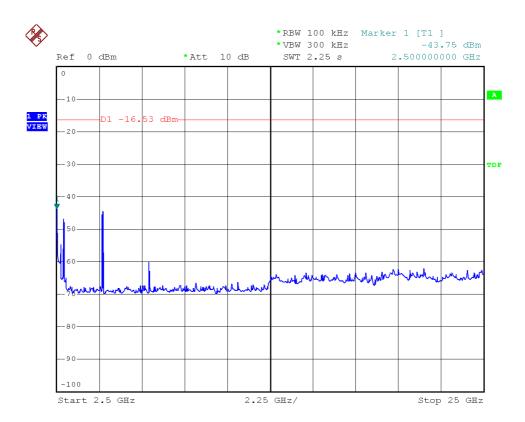
Issued date : Sep. 06, 2013 Page No. : 156 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT20 (130Mbps), ANT R Channel: 11





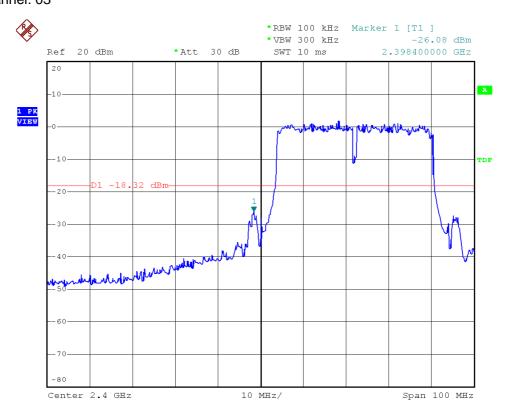
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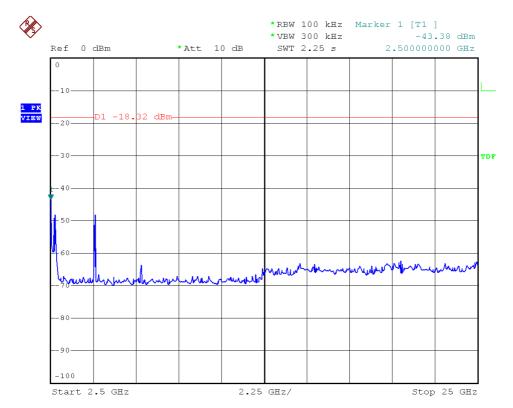
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT40 (270Mbps), ANT R Channel: 03





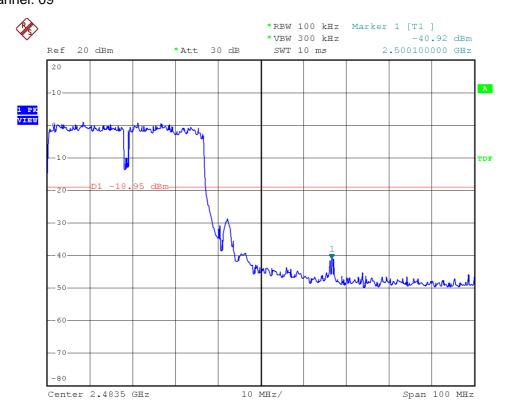
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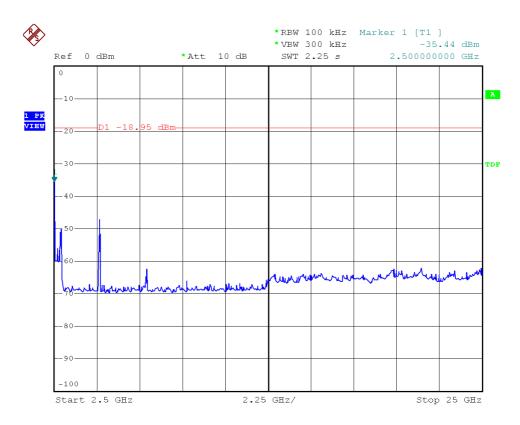
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT40 (270Mbps), ANT R Channel: 09





Tel:886-2-2655-8100 Fax:886-2-2655-8200

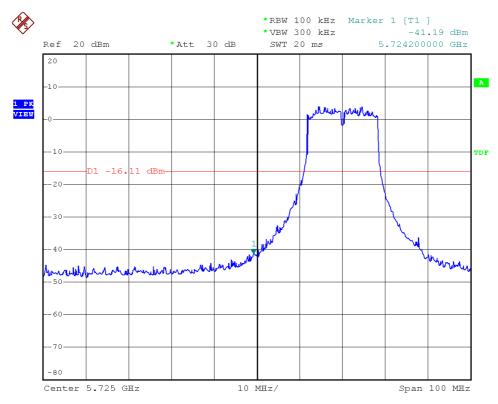
Issued date : Sep. 06, 2013 Page No. : 159 of 182

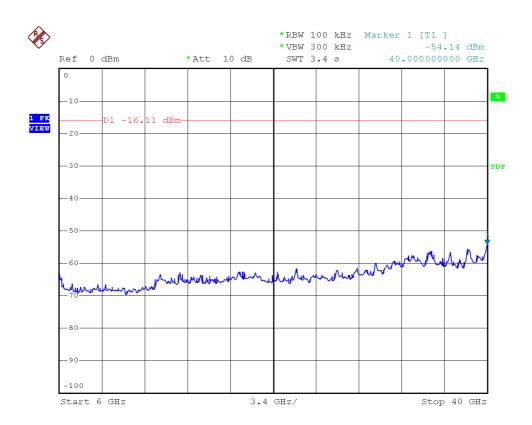
FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11a (54Mbps), ANT R

Channel: 149





Tel:886-2-2655-8100 Fax:886-2-2655-8200

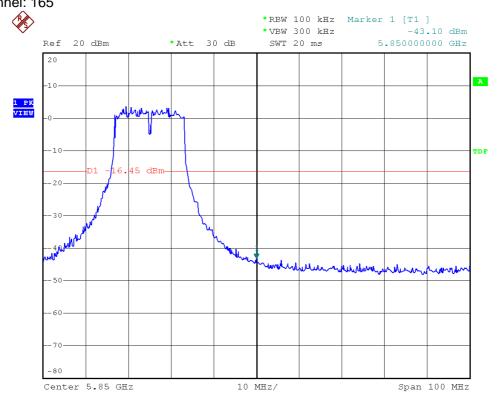
Issued date : Sep. 06, 2013
Page No. : 160 of 182

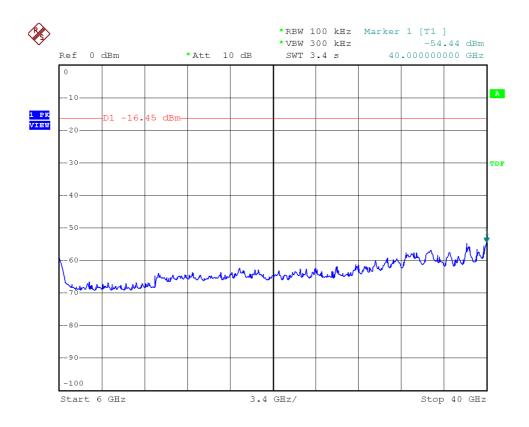
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11a (54Mbps), ANT R Channel: 165





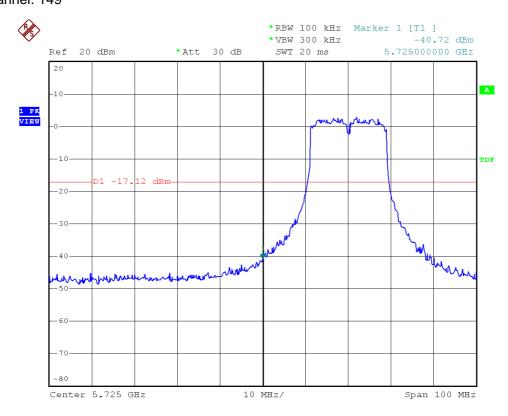
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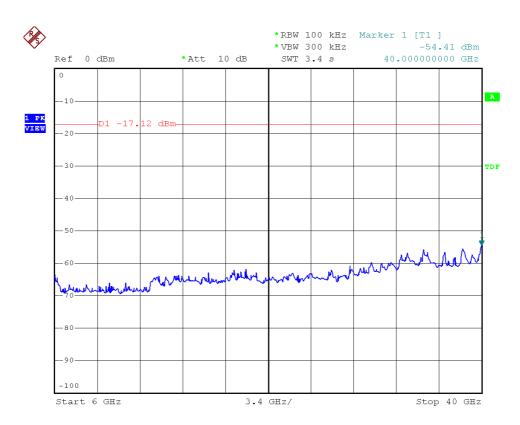
Issued date : Sep. 06, 2013 Page No. : 161 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT20 (130Mbps), ANT R Channel: 149





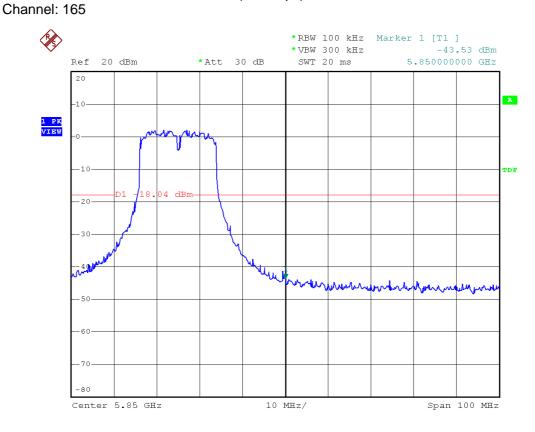
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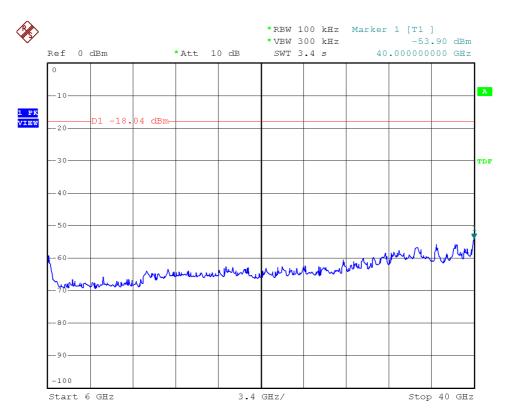
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT20 (130Mbps), ANT R





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Issued date : Sep. 06, 2013

Page No.

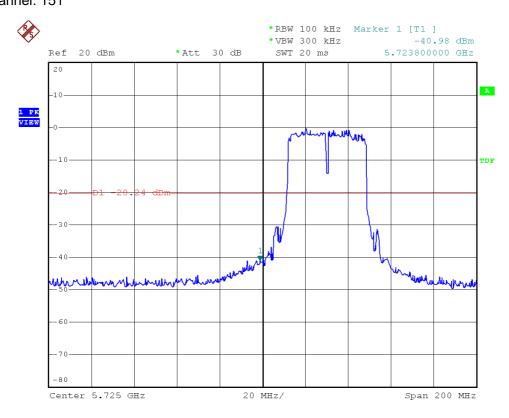
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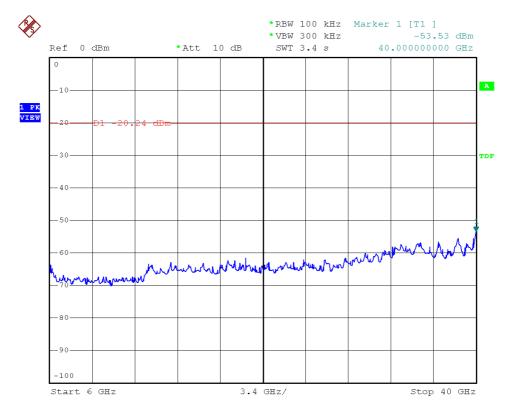
FCC ID : ZTT-AP20000G-2

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Modulation Standard: 802.11an HT40 (270Mbps), ANT R Channel: 151





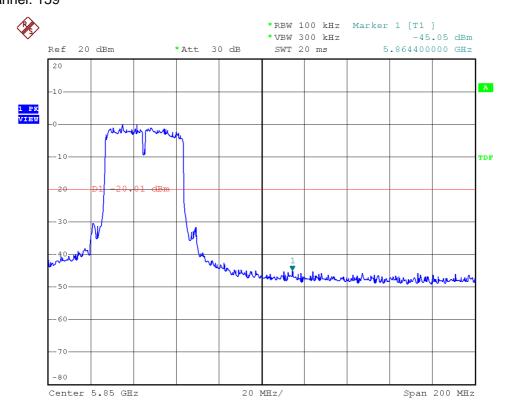
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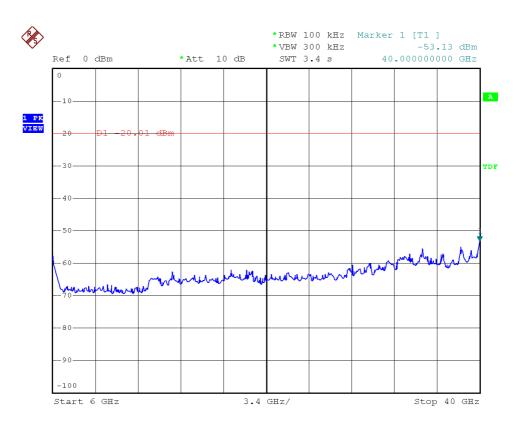
Issued date : Sep. 06, 2013 Page No. : 164 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT40 (270Mbps), ANT R Channel: 159





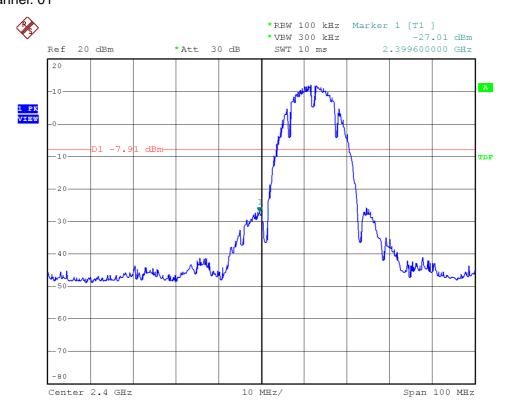
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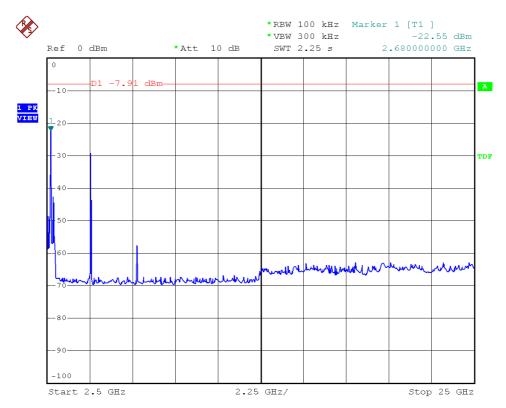
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11b (11Mbps), ANT L Channel: 01





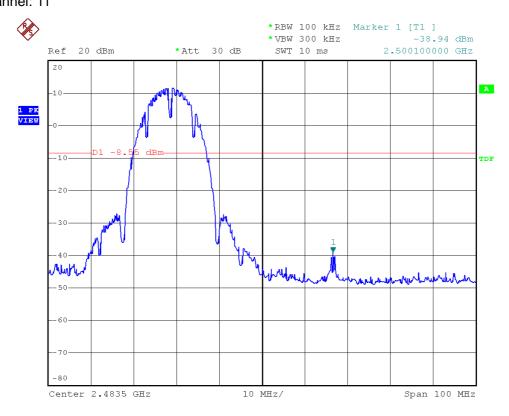
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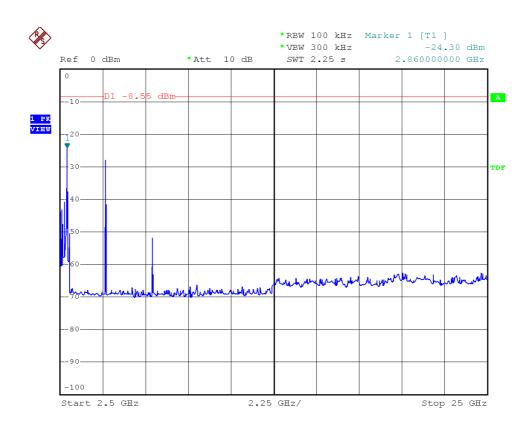
Issued date : Sep. 06, 2013
Page No. : 166 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11b (11Mbps), ANT L Channel: 11





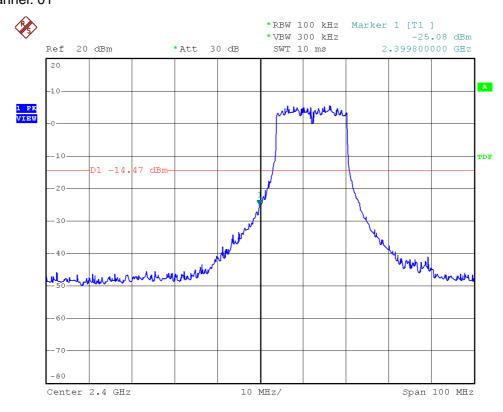
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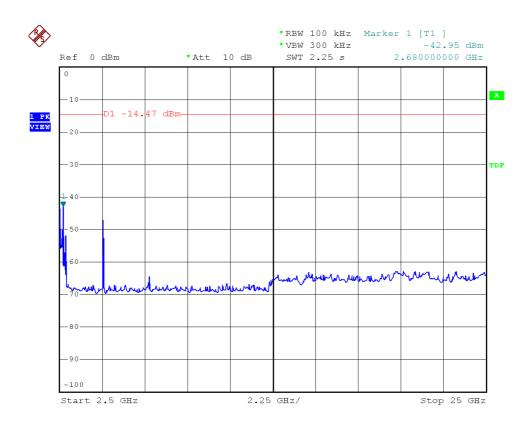
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11g (54Mbps), ANT L Channel: 01





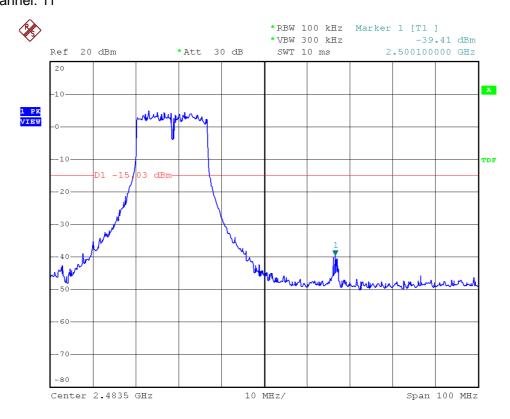
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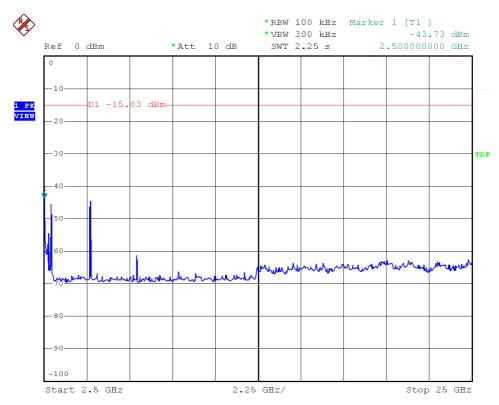
Issued date : Sep. 06, 2013 Page No. : 168 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11g (54Mbps), ANT L Channel: 11





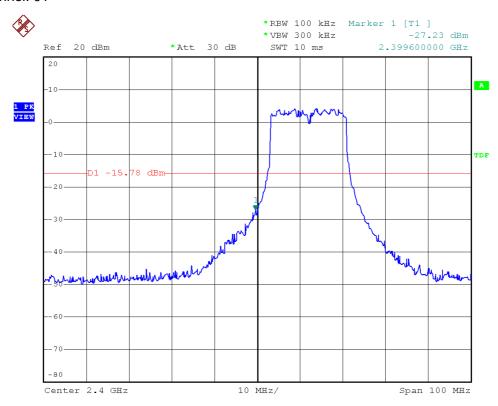
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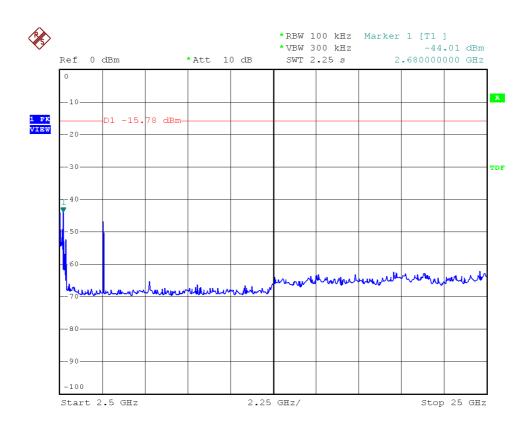
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT20 (130Mbps), ANT L Channel: 01





Tel:886-2-2655-8100 Fax:886-2-2655-8200

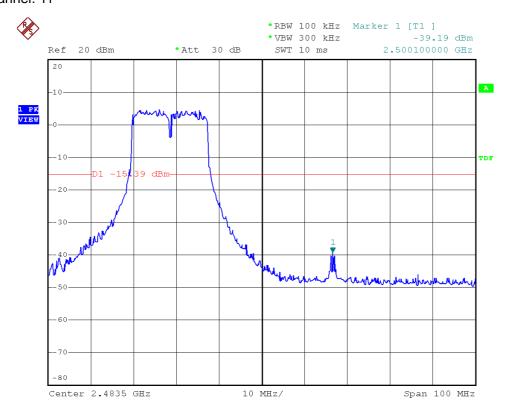
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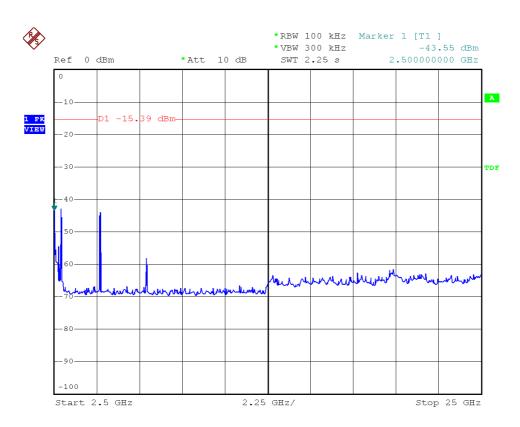
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Modulation Standard: 802.11n HT20 (130Mbps), ANT L Channel: 11





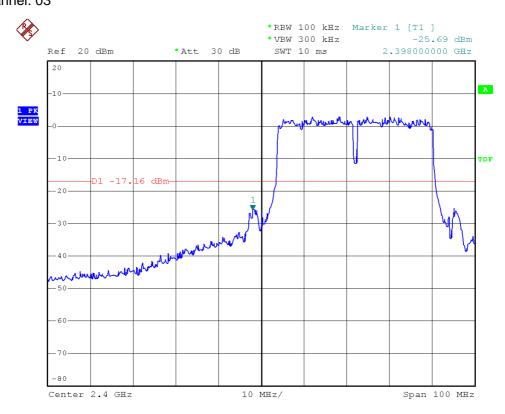
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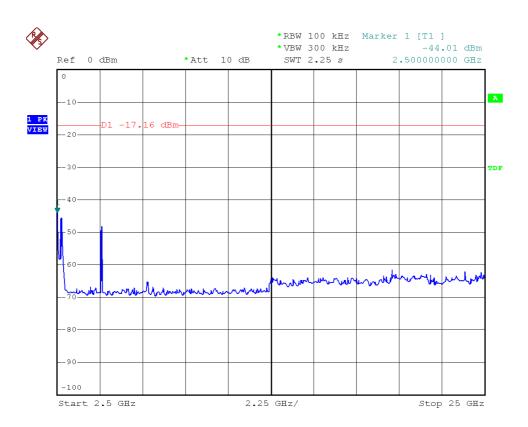
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT40 (270Mbps), ANT L Channel: 03





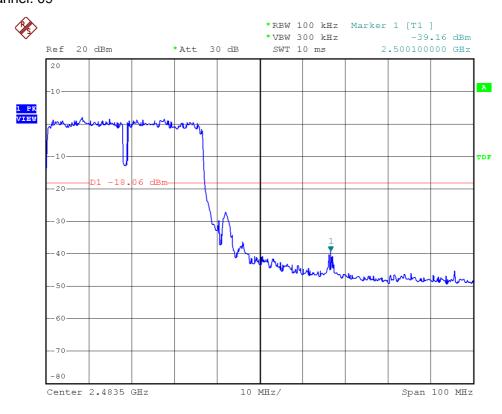
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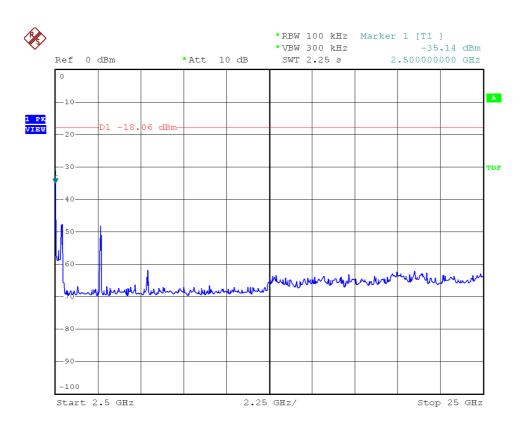
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11n HT40 (270Mbps), ANT L Channel: 09





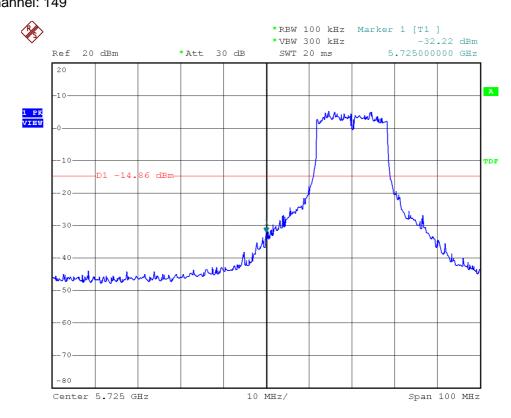
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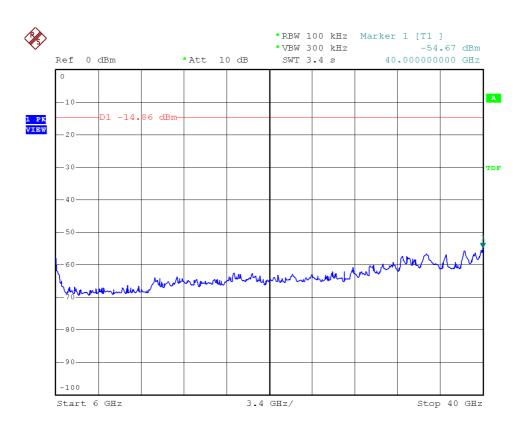
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11a (54Mbps), ANT L Channel: 149





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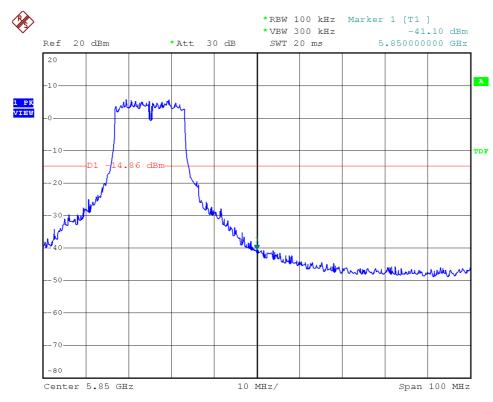
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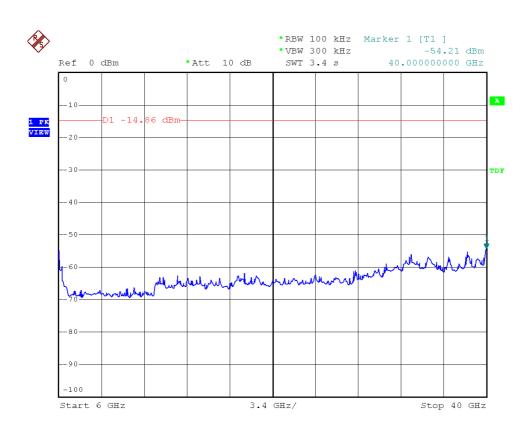
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Modulation Standard: 802.11a (54Mbps), ANT L







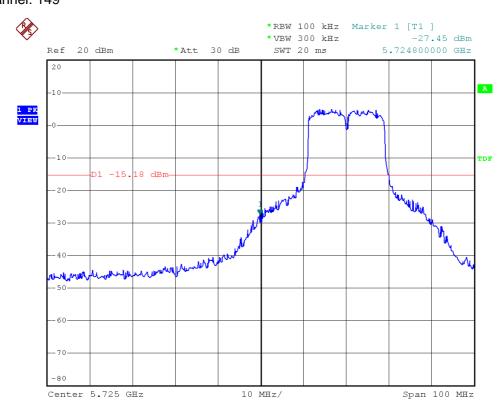
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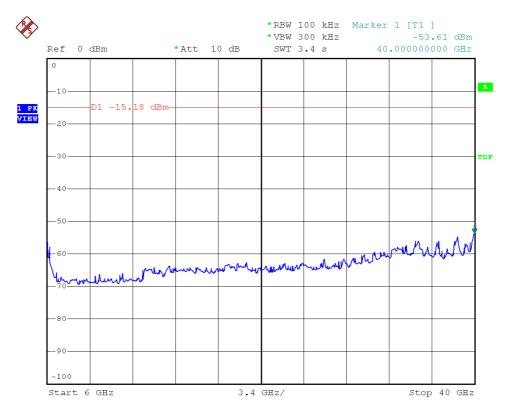
Issued date : Sep. 06, 2013 Page No. : 175 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT20 (130Mbps), ANT L Channel: 149





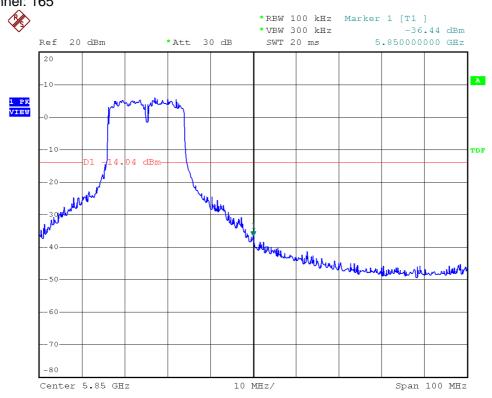
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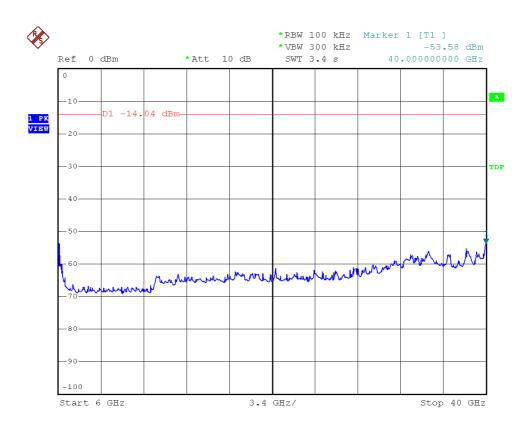
Issued date : Sep. 06, 2013 Page No. : 176 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT20 (130Mbps), ANT L Channel: 165





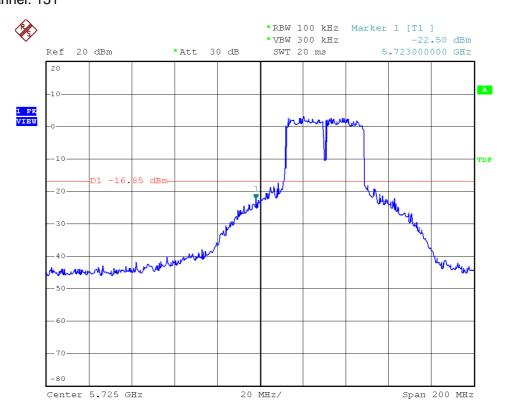
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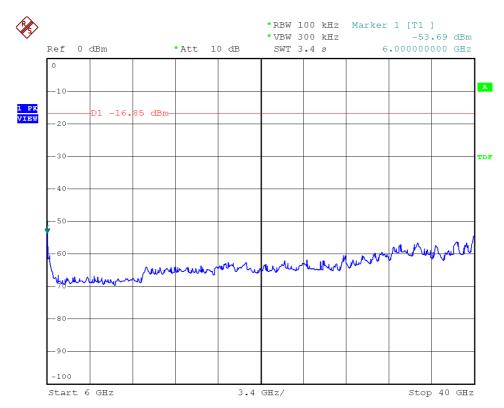
Issued date : Sep. 06, 2013 Page No. : 177 of 182

FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT40 (270Mbps), ANT L Channel: 151





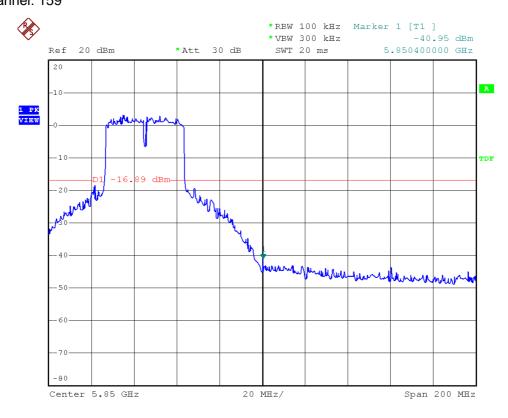
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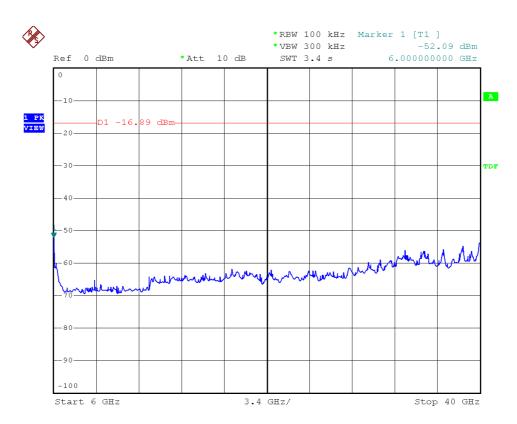
Issued date : Sep. 06, 2013
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FCC ID : ZTT-AP20000G-2



Modulation Standard: 802.11an HT40 (270Mbps), ANT L Channel: 159





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FCC ID : ZTT-AP20000G-2

9.6 Restrict Band Emission Measurement Data

Test Date: Aug. 29, 2013 Temperature: 26 $^{\circ}$ C Atmospheric pressure: 1016 hPa Humidity: 48 $^{\circ}$

Modulation Standard: IEEE 802.11b (11Mbps)

Channel 1 Fundamental Frequency: 2412 MHz									412 MHz	
Frequency	Ant-Pol	Meter Reading	Corrected	Result	Remark	Limit (dBuV/m)		Margin	Table	Ant High
(MHz)	H/V	(dBuV)	Factor (dB)	(dBuV/m)	Nemark	Peak	Ave	(dB)	Deg.	(m)
2311.53	Н	58.28	2.10	60.38	Peak	74	54	-13.62	109	1.00
2388.80	Н	46.62	1.80	48.42	Ave	74	54	-5.58	109	1.00
2334.48	V	59.97	3.33	63.30	Peak	74	54	-10.70	214	1.00
2389.31	V	48.79	2.43	51.22	Ave	74	54	-2.78	214	1.00
Channel 11 Fundamental Frequency: 2462 MHz									162 MHz	
Frequency	Ant-Pol	Meter	Corrected	Result	Remark	Limit (dBuV/m)		Margin	Table	Ant High
(MHz)	H/V	Reading (dBuV)	Factor (dB)	(dBuV/m)	Remark	Peak	Ave	(dB)	Deg.	(m)
2487.54	Н	58.82	0.44	59.26	Peak	74	54	-14.74	115	1.00
2500.00	Н	47.88	0.25	48.13	Ave	74	54	-5.87	115	1.00
2499.70	V	61.86	-3.00	58.86	Peak	74	54	-15.14	216	1.00
2500.00	V	53.50	-3.02	50.48	Ave	74	54	-3.52	216	1.00

Modulation Standard: IEEE 802.11g (54Mbps)

Channel 1	Channel 1 Fundamental Frequency: 2412 MHz									
Frequency	Ant-Pol	Pol Meter Reading	Corrected	Result	Remark	Limit (dBuV/m)		Margin	Table	Ant High
(MHz)	H/V	(dBuV)	Factor (dB)	(dBuV/m)	Remark	Peak	Ave	(dB)	Deg.	(m)
2312.24	Н	58.48	2.10	60.58	Peak	74	54	-13.42	109	1.00
2389.56	Н	46.74	1.79	48.53	Ave	74	54	-5.47	109	1.00
2389.97	V	64.74	2.43	67.17	Peak	74	54	-6.83	214	1.00
2389.82	V	50.52	2.43	52.95	Ave	74	54	-1.05	214	1.00
Channel 11 Fundamental Frequency: 2462 N								462 MHz		
Frequency	Ant-Pol	Meter	Corrected	Result	Remark	`	BuV/m)	Margin	Table	Ant High
(MHz)	H/V	Reading (dBuV)	Factor (dB)	(dBuV/m)	Kemark	Peak	Ave	(dB)	Deg.	(m)
2484.23	Н	57.82	0.48	58.30	Peak	74	54	-15.70	115	1.00
2500.00	Н	47.90	0.25	48.15	Ave	74	54	-5.85	115	1.00
2484.42	V	61.65	-2.20	59.45	Peak	74	54	-14.55	216	1.00
2500.00	V	54.11	-3.02	51.09	Ave	74	54	-2.91	216	1.00

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Modulation Standard: IEEE 802.11n HT20 (130Mbps)

Channel 1 Frequency (MHz) 2335.50	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result				tal Frequ		112 MHz
(MHz)	H/V	Reading				Limit (d	D\ //: \			
` '		•	Factor (dB)		Remark	Liiiii (u	BuV/m)		Table	Ant High
2335.50	П			(dBuV/m)		Peak	Ave	(dB)	Deg.	(m)
	11	58.02	2.01	60.03	Peak	74	54	-13.97	122	1.00
2389.82	Н	46.47	1.80	48.27	Ave	74	54	-5.73	122	1.00
2389.36	V	61.08	2.43	63.51	Peak	74	54	-10.49	214	1.00
2389.82	V	49.29	2.43	51.72	Ave	74	54	-2.28	214	1.00
Channel 11 Fundamental Frequency: 2462 MHz									462 MHz	
Frequency	Ant-Pol	Meter	Corrected	Result	Domork	`	BuV/m)	Margin	Table	Ant High
(MHz)	H/V	Reading (dBuV)	Factor (dB)	(dBuV/m)	Remark	Peak	Ave	(dB)	Deg.	(m)
2500.00	Н	58.87	0.25	59.12	Peak	74	54	-14.88	115	1.00
2500.00	Н	48.08	0.25	48.33	Ave	74	54	-5.67	115	1.00
2483.66	V	61.93	-2.16	59.77	Peak	74	54	-14.23	216	1.00
2500.00	V	51.72	-3.02	48.70	Ave	74	54	-5.30	216	1.00

Modulation Standard: IEEE 802.11n HT40 (270Mbps)

Channel 3	Channel 3 Fundamental Frequency: 2422 MHz									422 MHz
Frequency	Ant-Pol	Meter Reading	Corrected	Result	Remark	Limit (dBuV/m)		Margin	Table	Ant High
(MHz)	H/V	(dBuV)	Factor (dB)	(dBuV/m)		Peak	Ave	(dB)	Deg.	(m)
2311.84	Н	58.18	2.10	60.28	Peak	74	54	-13.72	121	1.00
2389.56	Η	46.57	1.79	48.36	Ave	74	54	-5.64	121	1.00
2389.56	V	62.70	2.43	65.13	Peak	74	54	-8.87	214	1.00
2389.82	V	50.24	2.43	52.67	Ave	74	54	-1.33	214	1.00
Channel 9 Fundamenta						al Frequency: 2452 MHz				
Frequency	Ant-Pol	Meter Reading	Corrected	Result	Remark	,	BuV/m)	Margin	Table	Ant High
(MHz)	H/V	(dBuV)	Factor (dB)	(dBuV/m)	Kemark	Peak	Ave	(dB)	Deg.	(m)
2484.80	Η	58.46	0.47	58.93	Peak	74	54	-15.07	115	1.00
2500.00	Н	47.79	0.25	48.04	Ave	74	54	-5.96	115	1.00
2484.42	V	63.25	-2.20	61.05	Peak	74	54	-12.95	216	1.00
2500.00	V	50.89	-3.02	47.87	Ave	74	54	-6.13	216	1.00

Notes:

- 1. Result = Meter Reading + Factor
- 2. Factor = Antenna Factor + Cable Loss Amplifier
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3 MHz (detector peak mode) for Peak detection at frequency above 1GHz.
- 4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3 MHz (detector sample mode) for Average detection at frequency above 1GHz.

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10. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 - 0.11000	16.42000 - 16.42300	399.9 – 410.0	4.500 - 5.250
0.49500 - 0.505**	16.69475 - 16.69525	608.0 - 614.0	5.350 - 5.460
2.17350 - 2.19050	16.80425 - 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 - 4.12800	25.50000 - 25.67000	1300.0 – 1427.0	8.025 - 8.500
4.17725 – 4.17775	37.50000 - 38.25000	1435.0 – 1626.5	9.000 - 9.200
4.20725 - 4.20775	73.00000 - 74.60000	1645.5 – 1646.5	9.300 - 9.500
6.21500 - 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 - 6.26825	108.00000 - 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 - 6.31225	123.00000 - 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 - 8.29400	149.90000 - 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 - 8.36600	156.52475 - 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 - 8.38675	156.70000 - 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 - 8.41475	162.01250 - 167.17000	3260.0 - 3267.0	23.600 – 24.000
12.29000 - 12.29300	167.72000 - 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 - 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 - 335.40000	3600.0 - 4400.0	Above 38.6
13.36000 - 13.41000			

^{**:} Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

10.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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