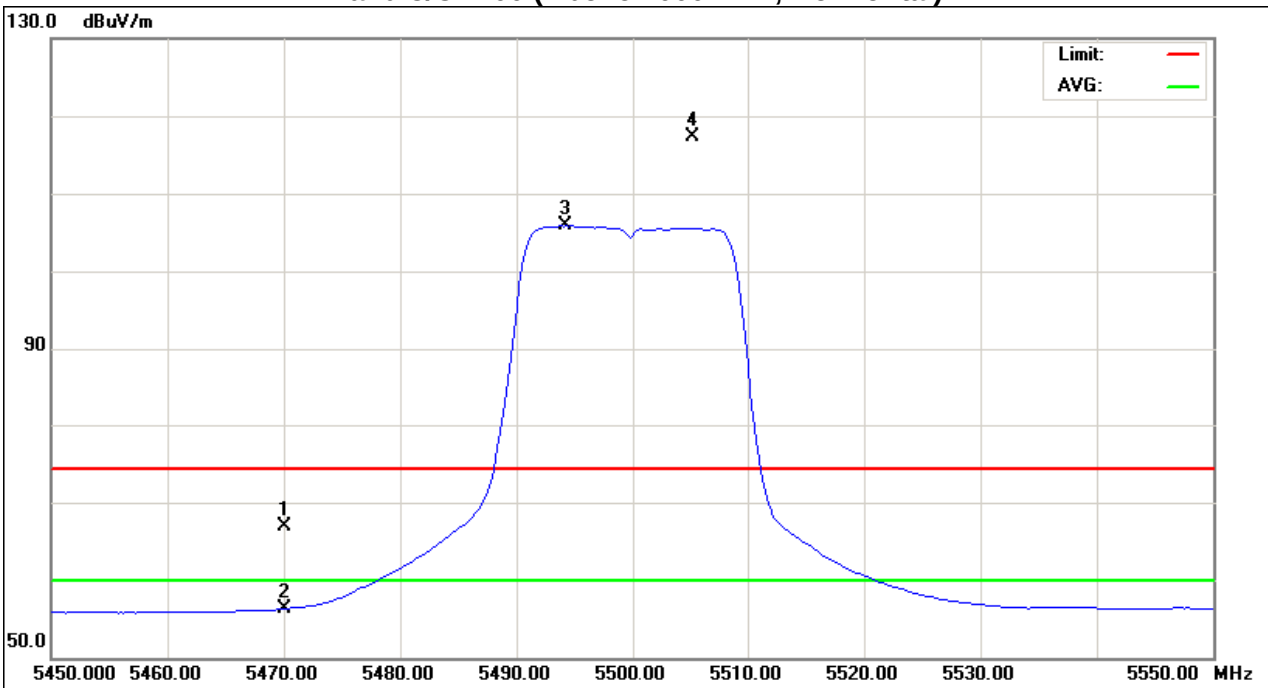
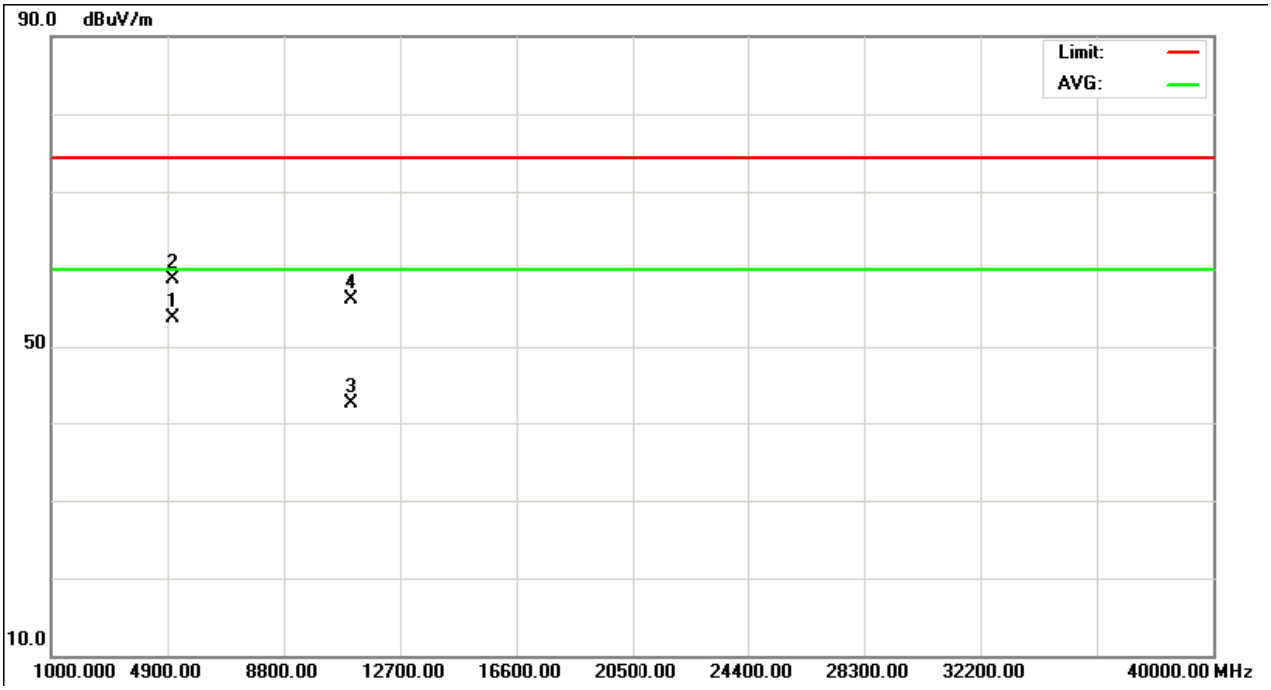
Orthogonal Axis：X
Band 3/CH100 (Above 1000 MHz, Horizontal)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N20 Mode 5580MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5573.75	V	71.94	60.85	40.30	112.24	101.15			X/F
5000.00	V	47.92	40.35	5.93	53.85	46.28	74.30	60.00	X/H
11159.98	V	44.38	29.90	13.08	57.46	42.98	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

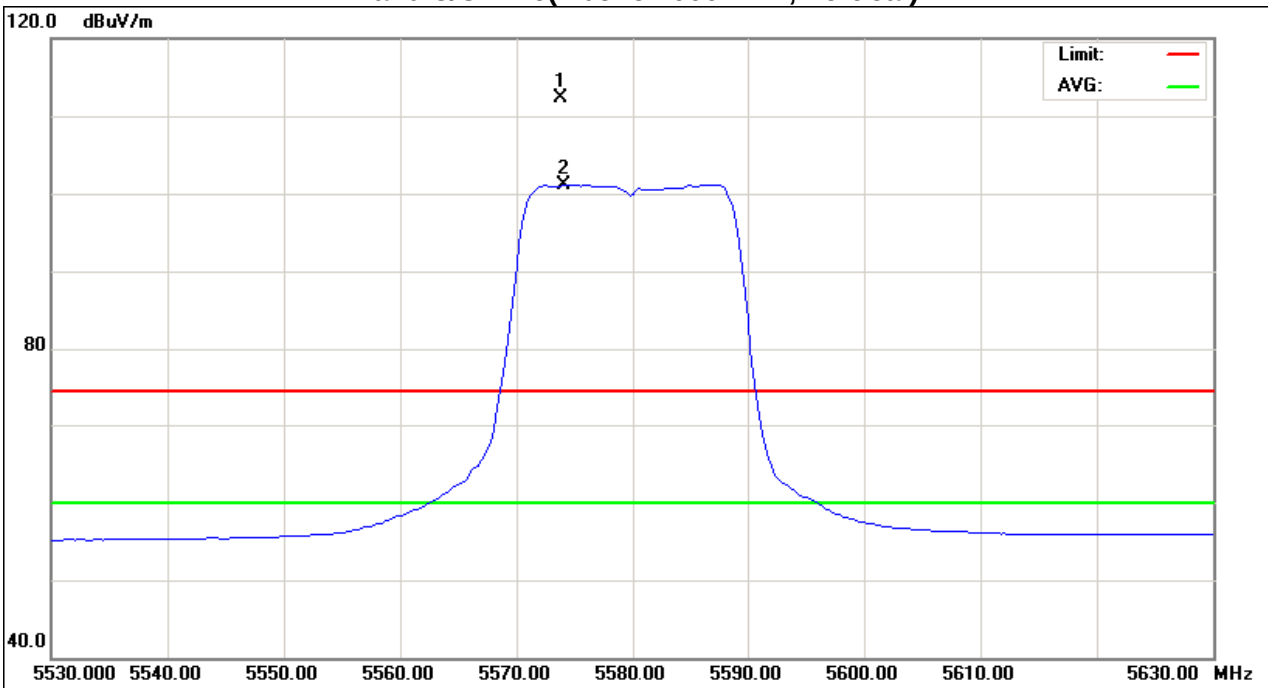
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

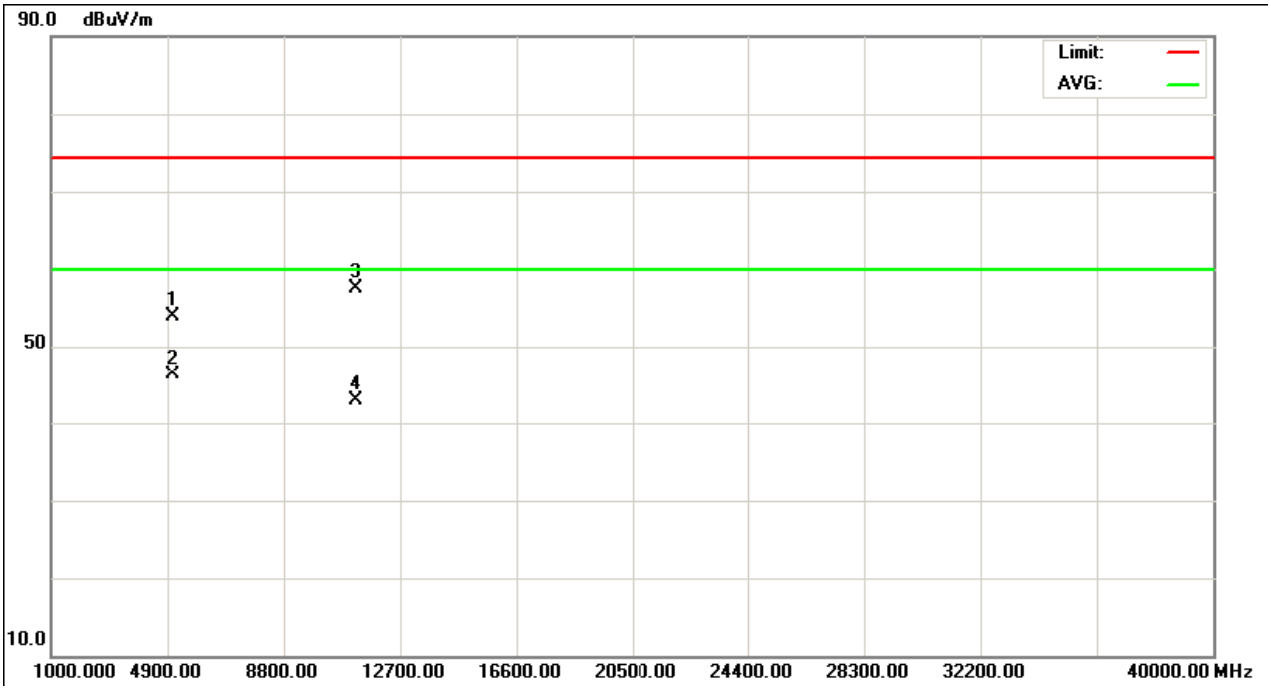
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH116(Above 1000 MHz, Vertical)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N20 Mode 5580MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5586.00	H	78.48	65.95	40.34	118.82	106.29			X/F
4999.99	H	51.81	46.89	5.93	57.74	52.82	74.30	60.00	X/H
11159.82	H	42.53	27.96	13.08	55.61	41.04	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

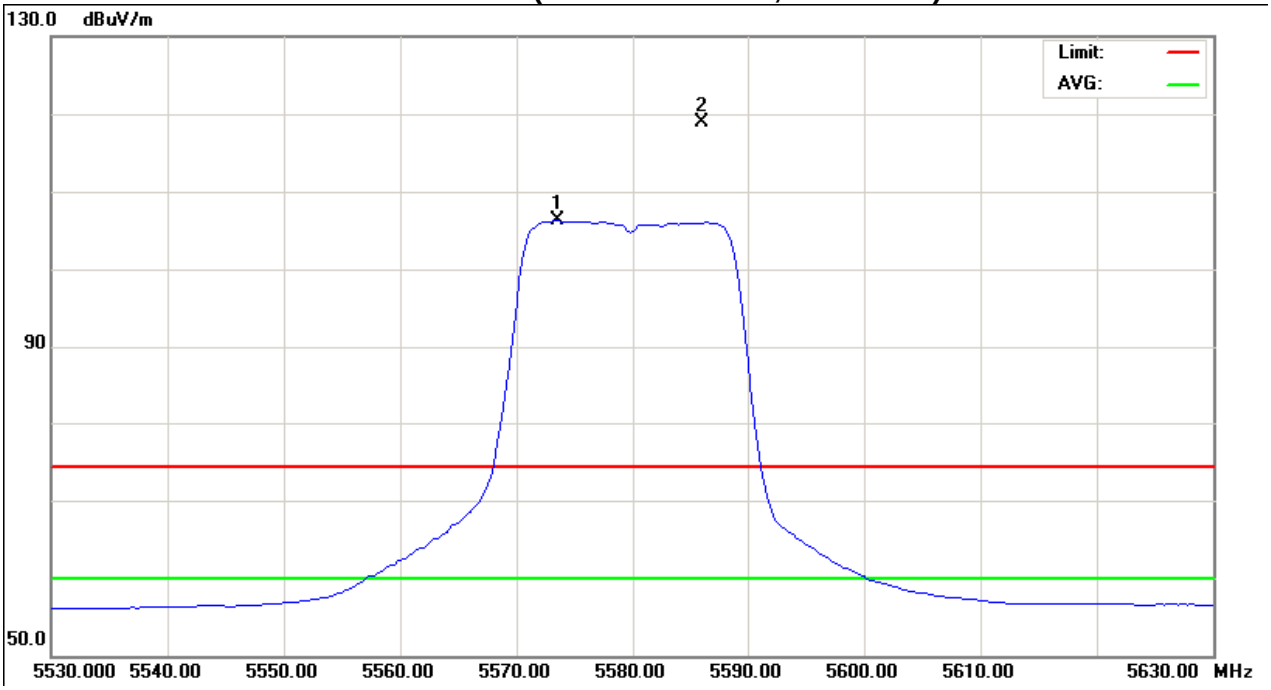
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

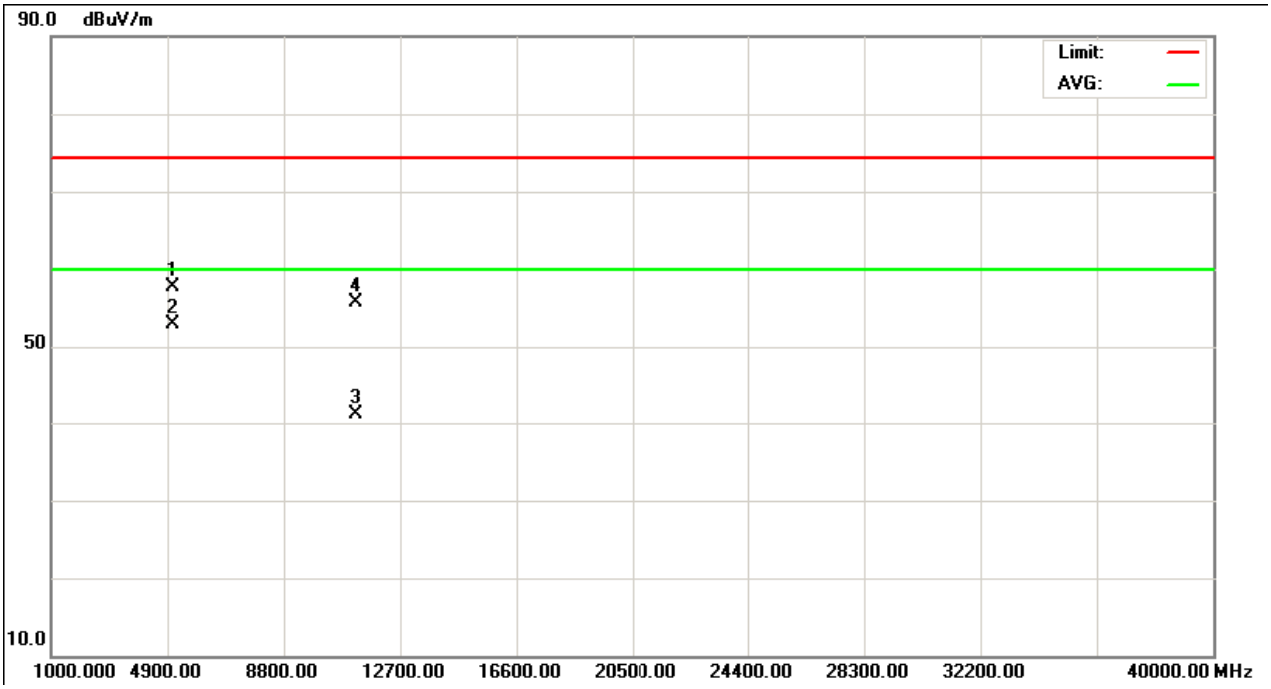
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH116 (Above 1000 MHz, Horizontal)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	52 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N20 Mode 5700MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5706.75	V	74.18	62.32	40.82	115.00	103.14			X/F
5725.00	V	28.07	16.35	40.90	68.97	57.25	74.30	60.00	X/H
5000.00	V	47.71	42.08	5.93	53.64	48.01	74.30	60.00	X/H
11401.32	V	43.79	29.02	13.22	57.01	42.24	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

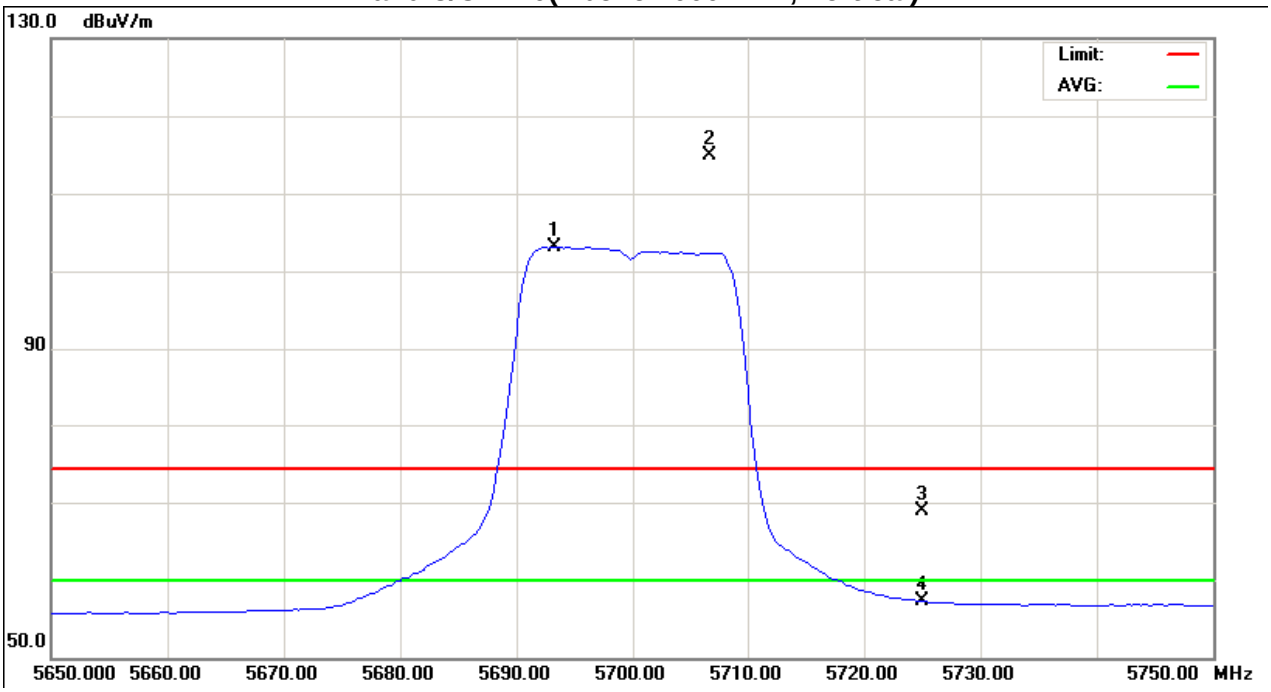
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

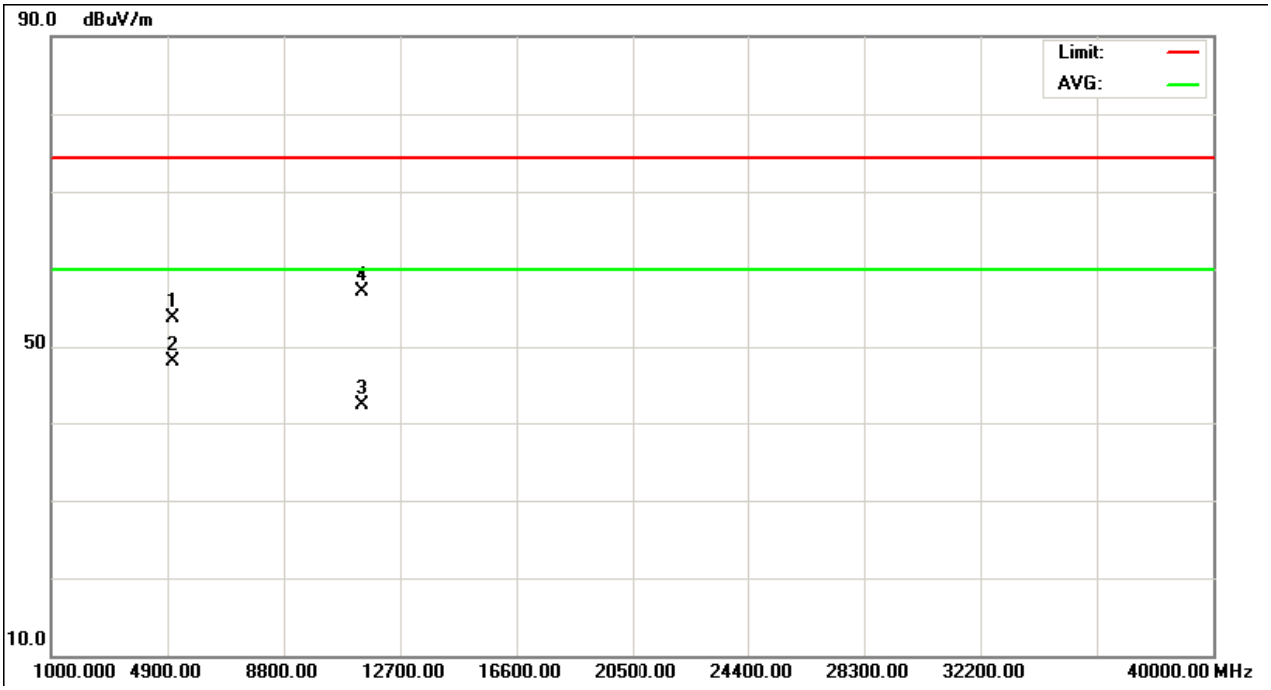
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH140(Above 1000 MHz, Vertical)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	52 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N20 Mode 5700MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5693.75	H	77.83	65.61	40.77	118.60	106.38			X/F
5725.00	H	28.25	17.31	40.90	69.15	58.21	74.30	60.00	X/E
5000.00	H	51.68	46.25	5.93	57.61	52.18	74.30	60.00	X/H
11400.72	H	41.15	27.80	13.22	54.37	41.02	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

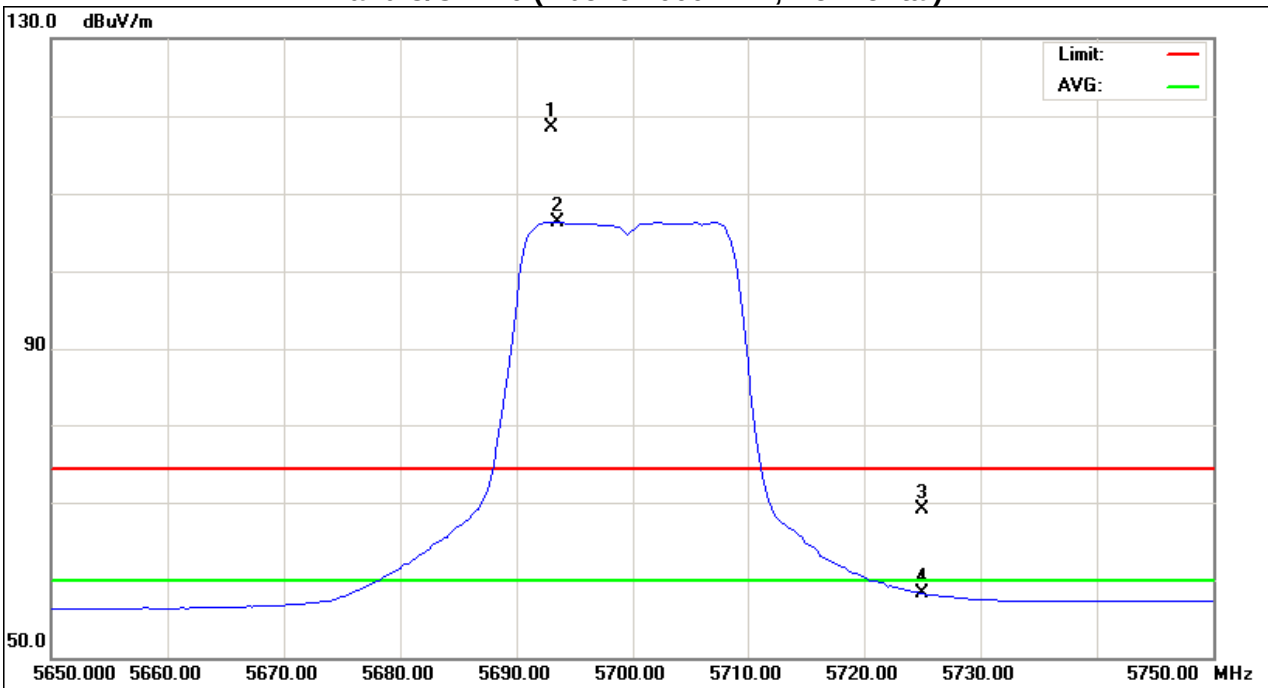
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

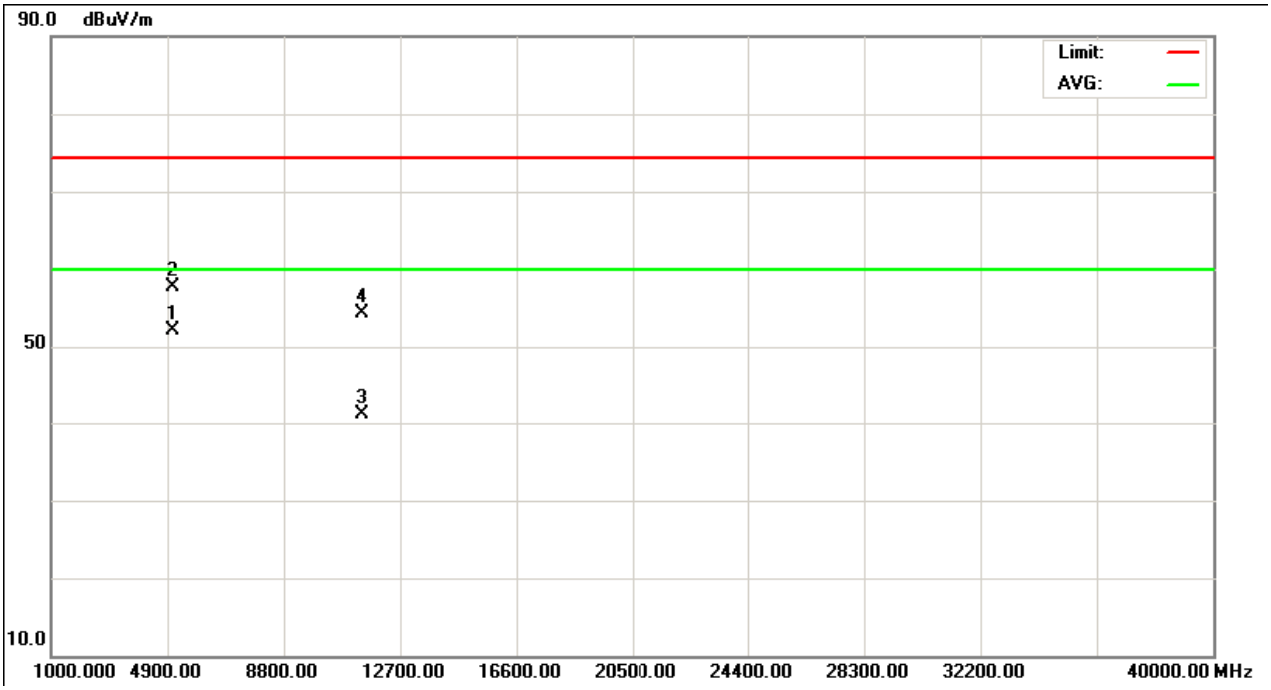
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH140 (Above 1000 MHz, Horizontal)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N40 Mode 5510MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5693.00	V	77.83	65.61	40.77	118.60	106.38			X/F
5725.00	V	28.25	17.31	40.90	69.15	58.21	74.30	60.00	X/E
5000.00	V	47.86	42.69	5.93	53.79	48.62	74.30	60.00	X/H
11021.48	V	43.17	29.93	12.98	56.15	42.91	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

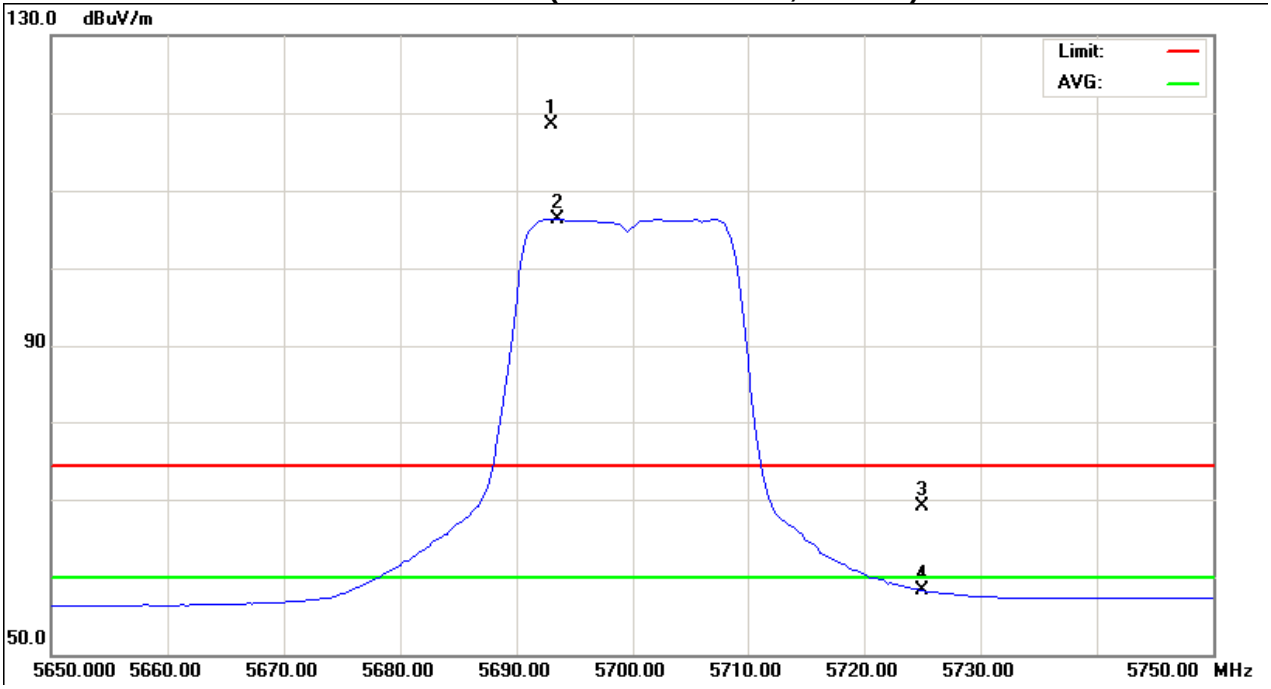
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

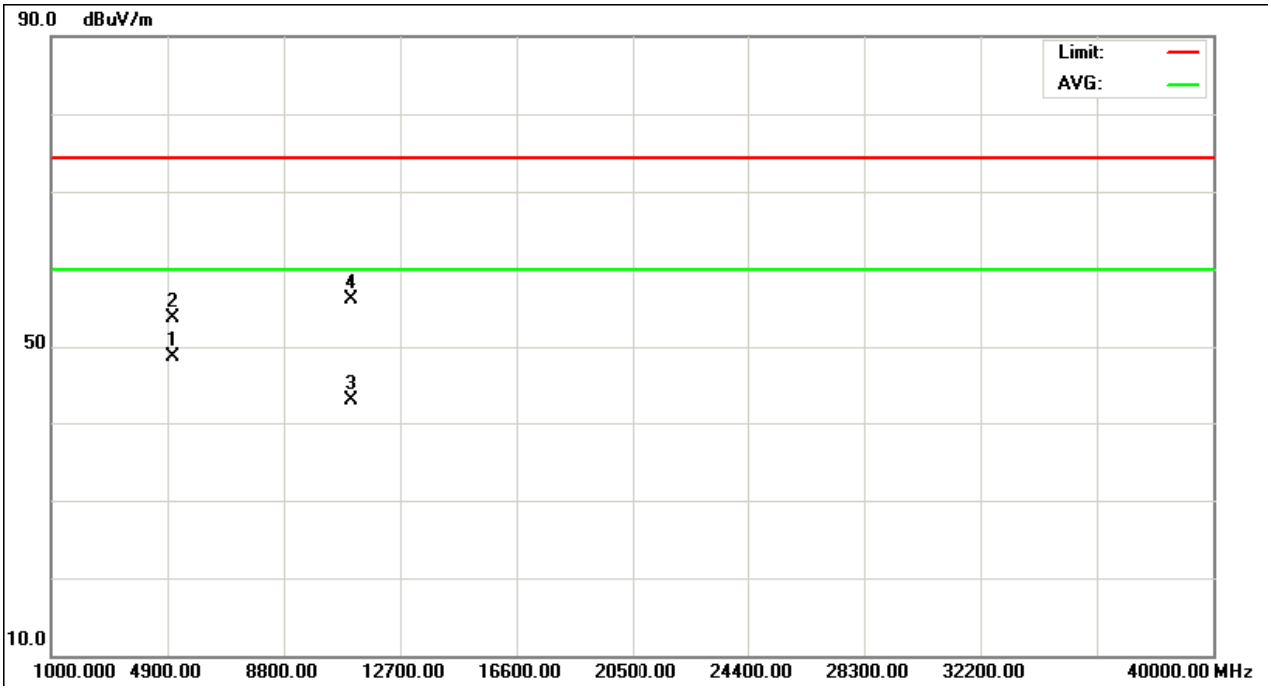
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH102(Above 1000 MHz, Vertical)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	58 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N40 Mode 5510MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5470.00	H	31.49	19.11	39.94	71.43	59.05	74.30	60.00	X/E
5526.00	H	72.54	61.16	40.11	112.65	101.27			X/F
4999.99	H	53.43	48.17	5.93	59.36	54.10	74.30	60.00	X/H
11021.15	H	39.87	28.07	12.98	52.85	41.05	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

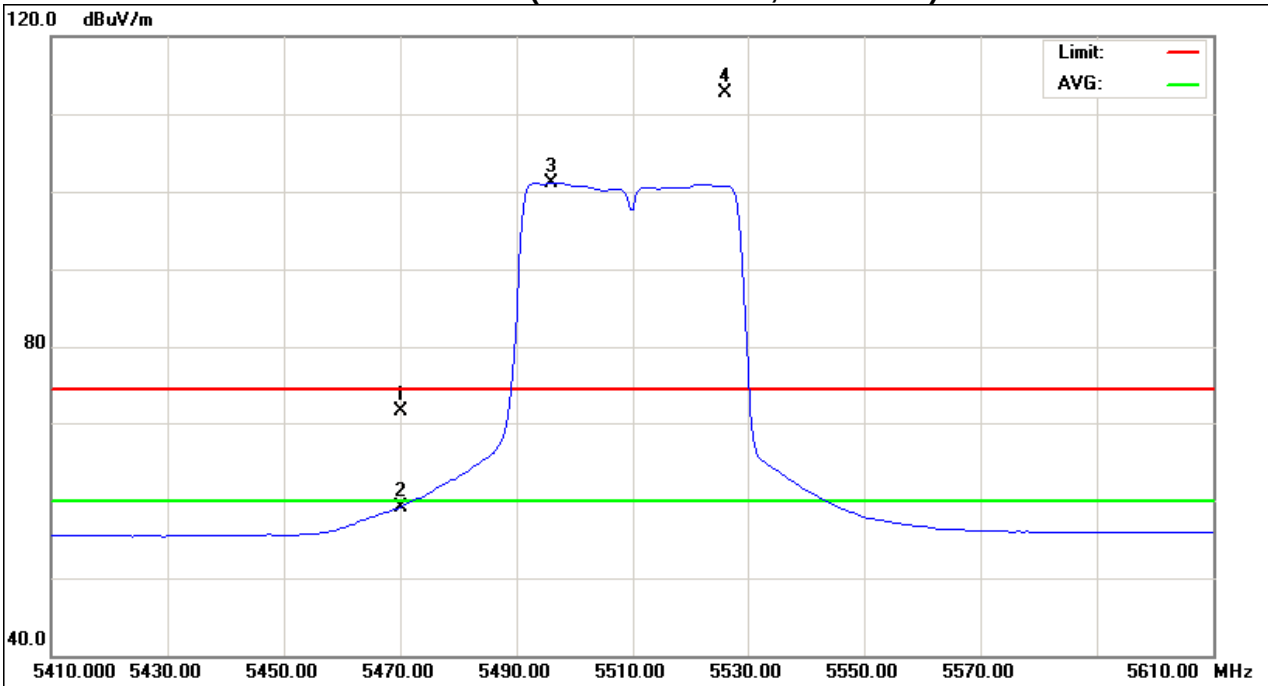
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

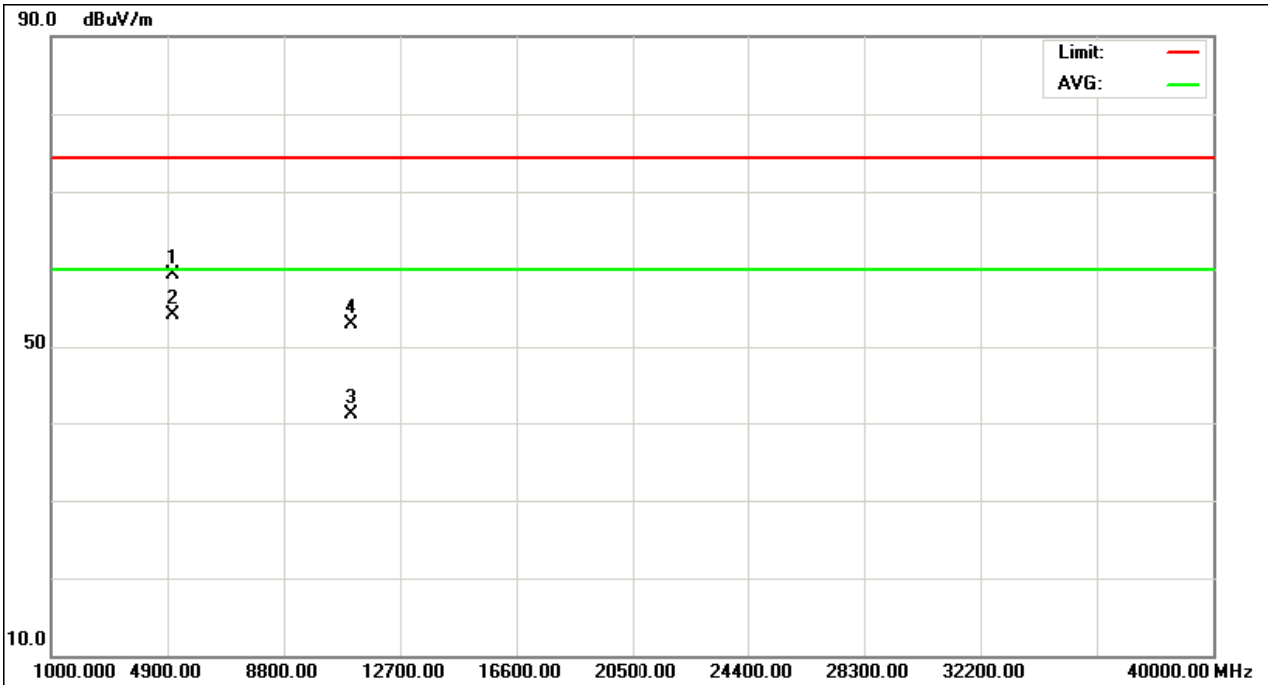
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH102(Above 1000 MHz, Horizontal)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	52 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N40 Mode 5550MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5566.50	V	68.40	56.88	40.27	108.67	97.15			X/F
4999.99	V	47.22	42.10	5.93	53.15	48.03	74.30	60.00	X/H
11100.20	V	45.23	29.27	13.04	58.27	42.31	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

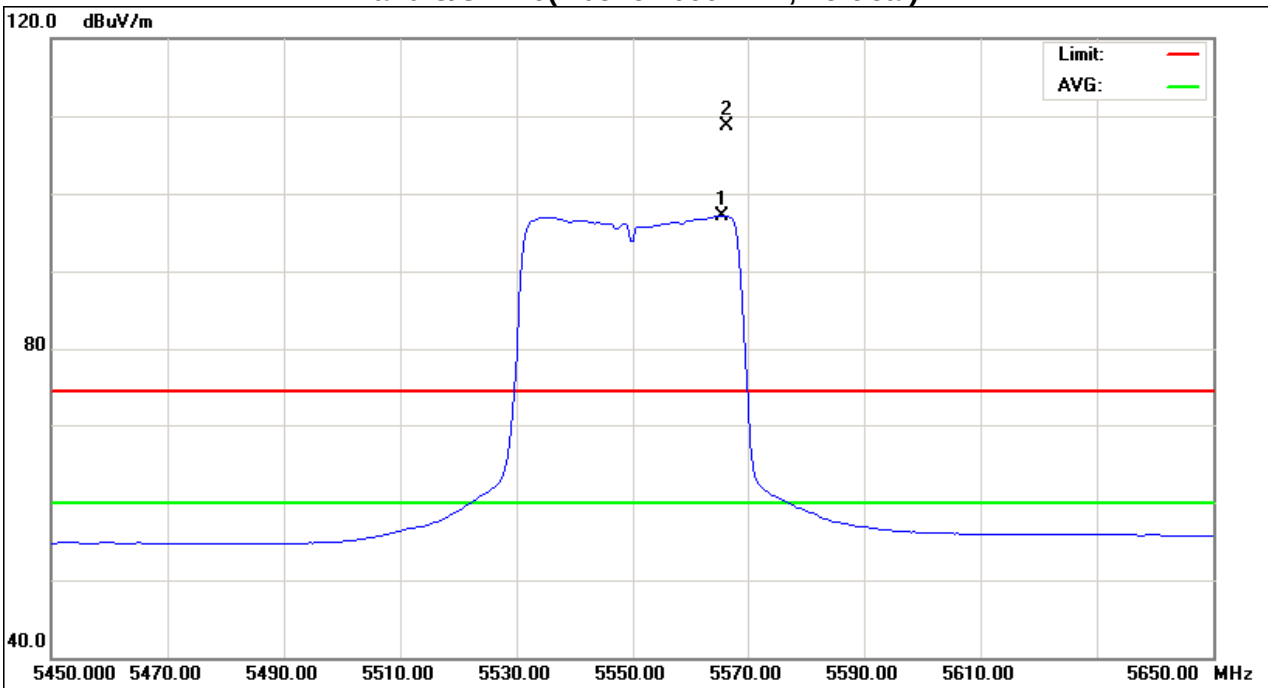
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

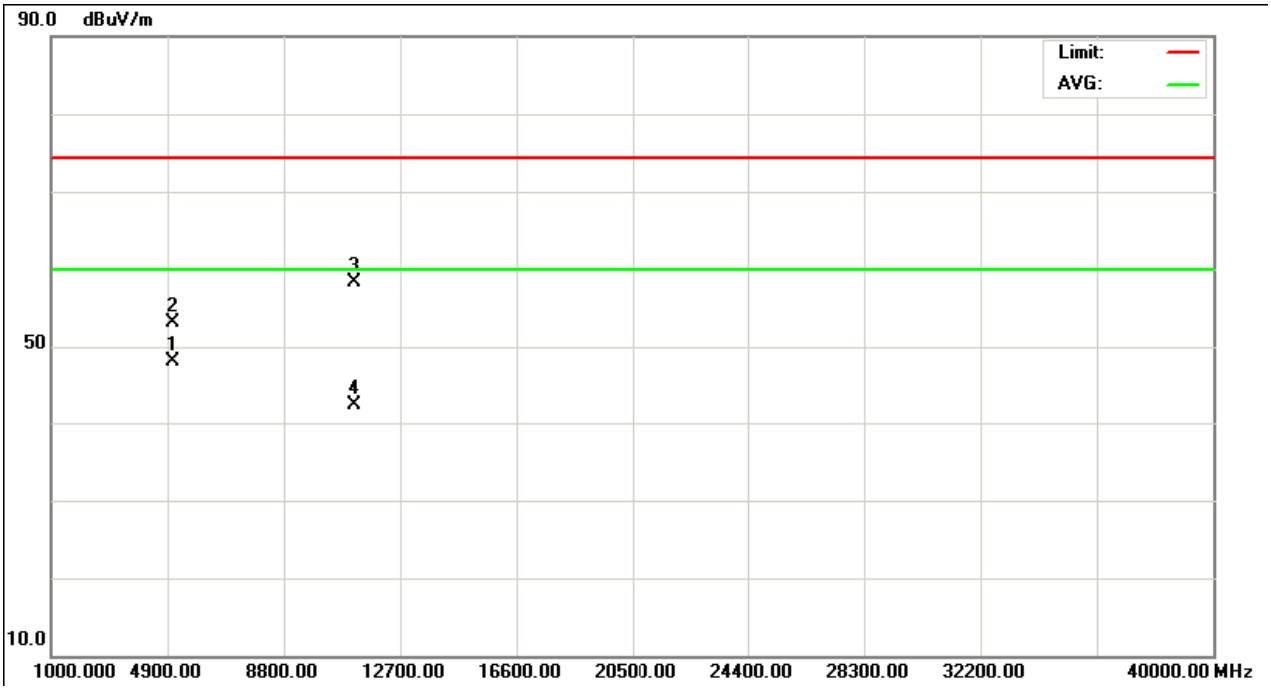
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH110(Above 1000 MHz, Vertical)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	52 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N40 Mode 5550MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5535.50	H	73.14	60.44	40.15	113.29	100.59			X/F
4999.99	H	53.12	47.99	5.93	59.05	53.92	74.30	60.00	X/H
11101.42	H	41.18	28.97	13.04	54.22	42.01	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

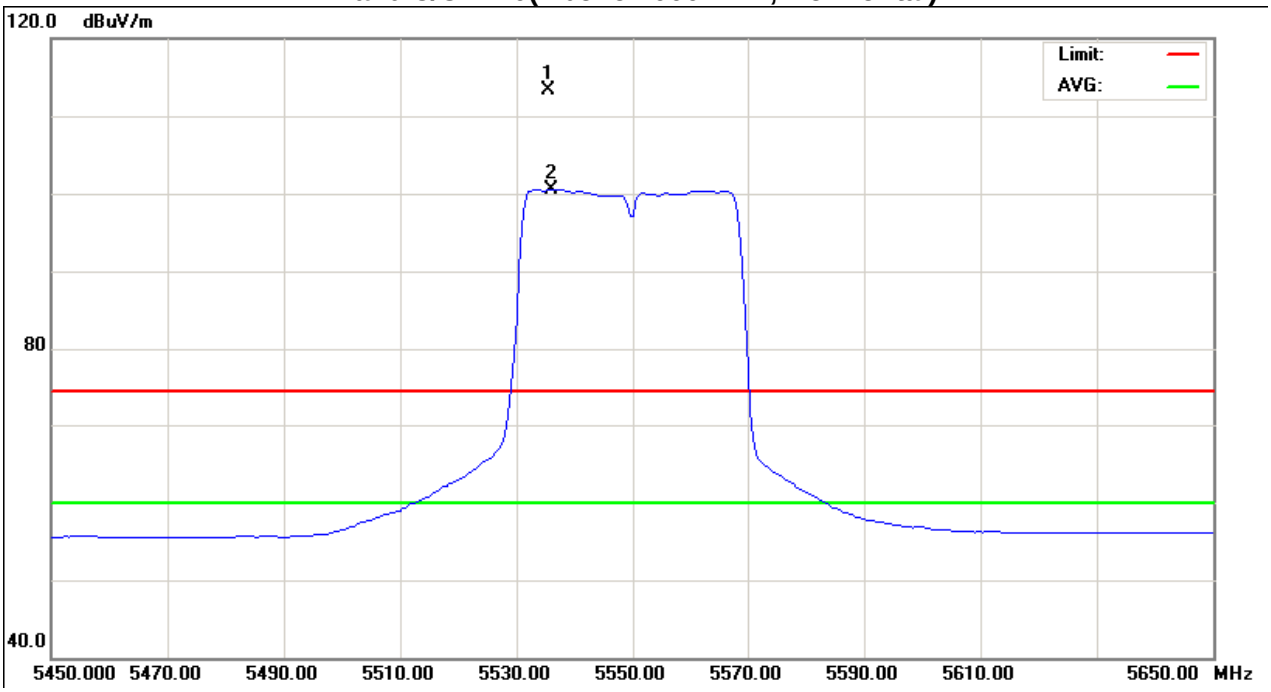
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

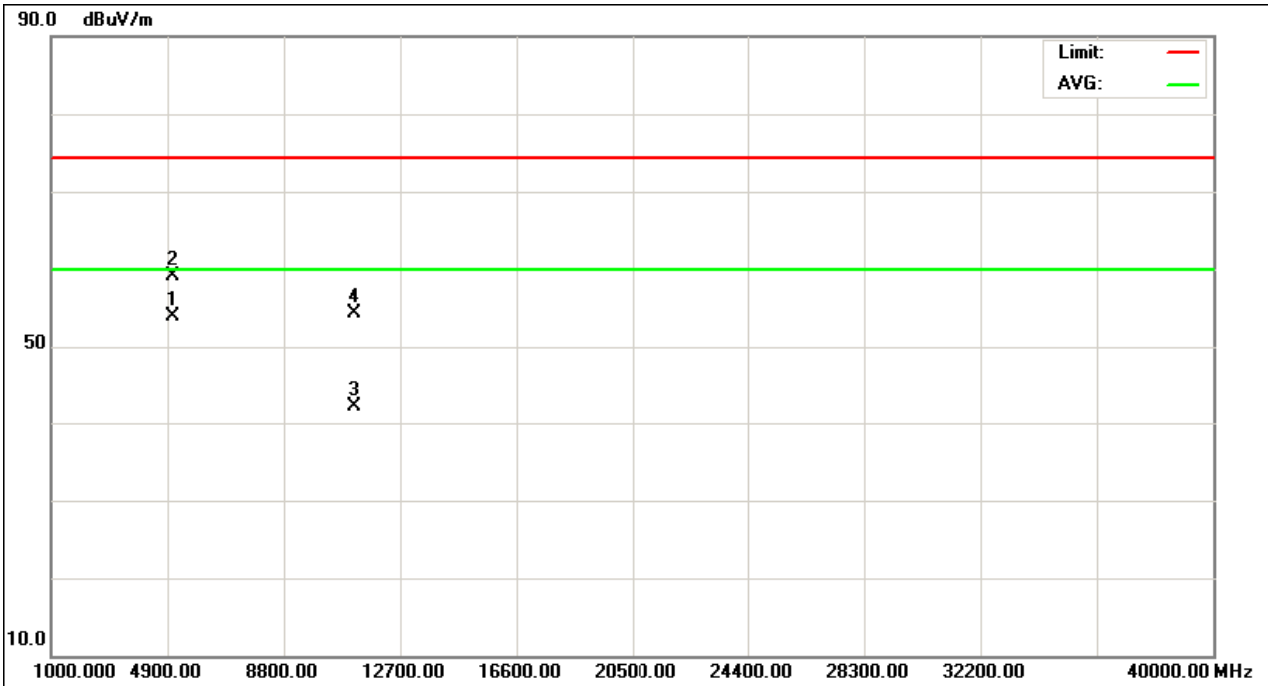
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH110(Above 1000 MHz, Horizontal)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	52 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N40 Mode 5670MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5658.00	V	71.54	59.67	40.63	112.17	100.30			X/F
5725.00	V	27.08	15.90	40.90	67.98	56.80	74.30	60.00	X/E
5000.00	V	47.99	42.67	5.93	53.92	48.60	74.30	60.00	X/H
11339.28	V	43.43	30.94	13.18	56.61	44.12	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

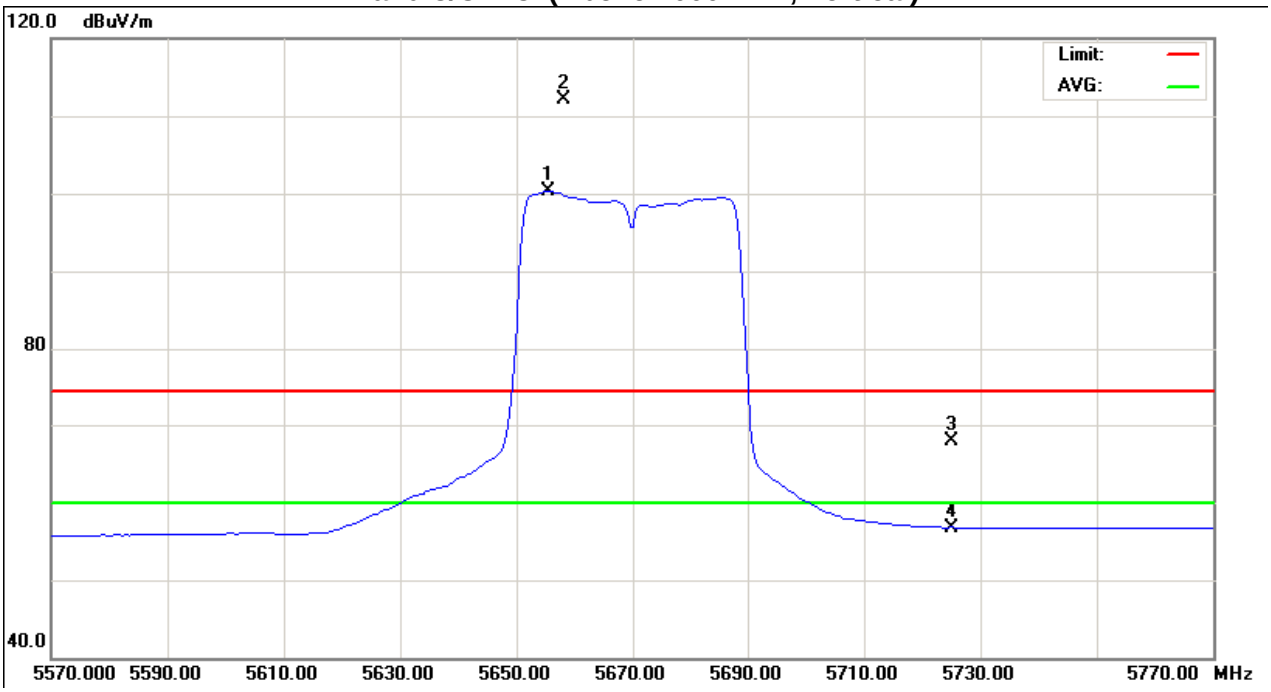
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

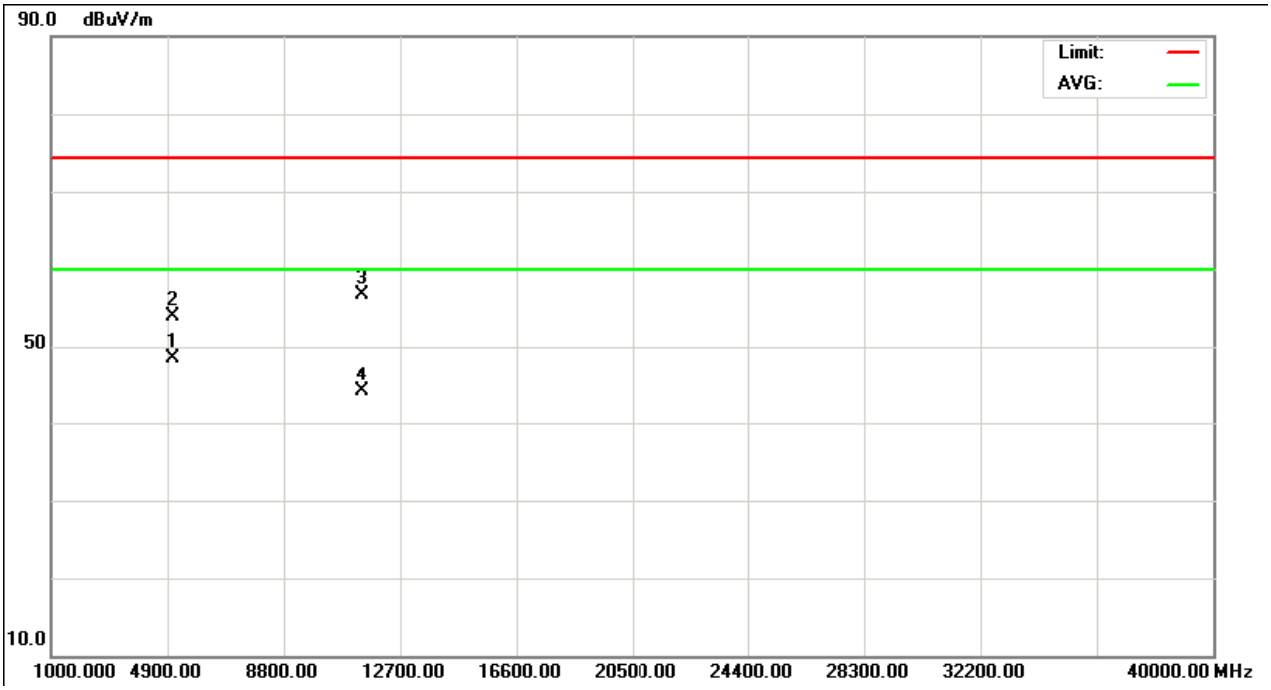
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH134(Above 1000 MHz, Vertical)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity :	52 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	Band 3/ TX N40 Mode 5670MHz - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5654.00	H	73.19	61.32	40.61	113.80	101.93			X/F
725.00	H	26.22	16.15	40.90	67.12	57.05	74.30	60.00	X/E
4999.99	H	53.67	47.49	5.93	59.60	53.42	74.30	60.00	X/H
11134.83	H	41.13	28.08	13.18	54.31	41.26	74.30	60.00	X/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

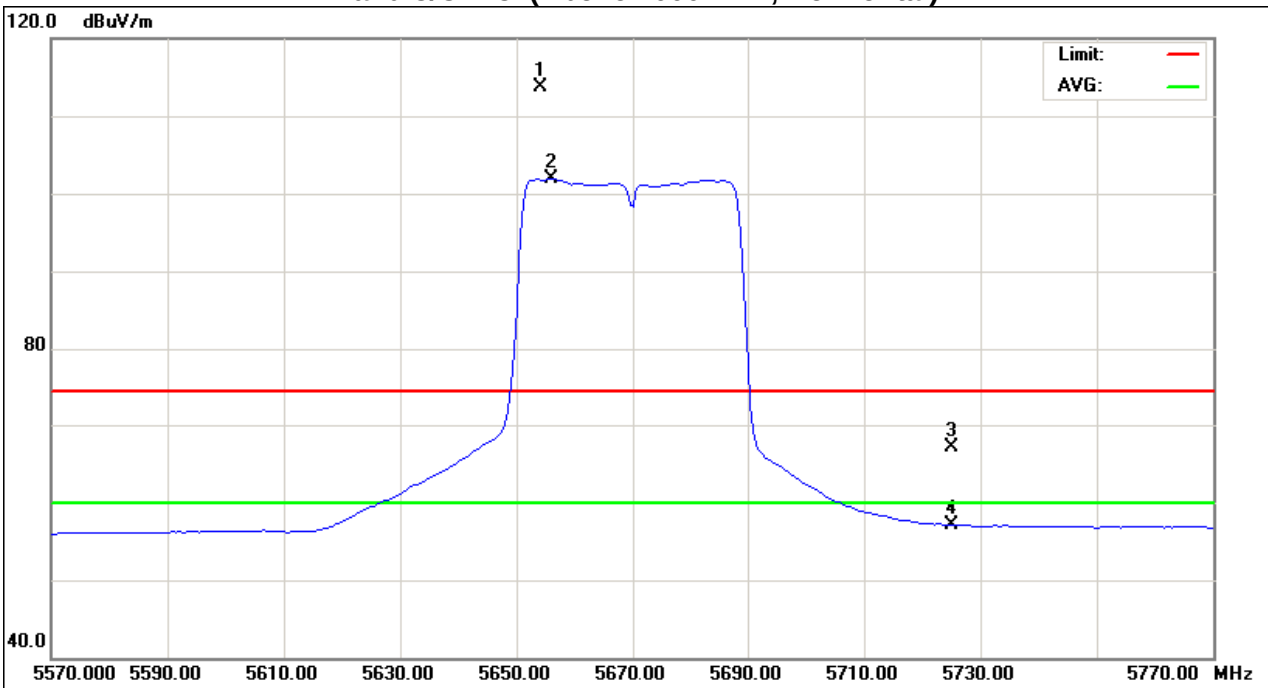
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

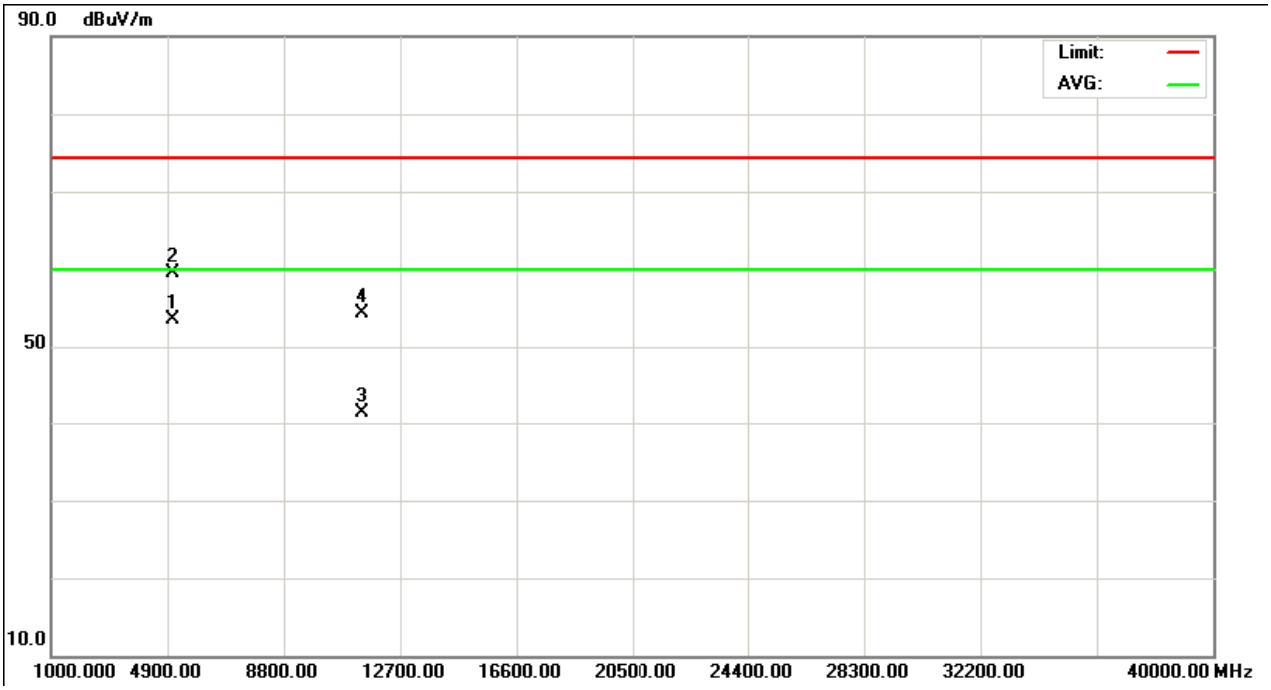
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：X
Band 3/CH134(Above 1000 MHz, Horizontal)





EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1006hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	RX Mode - Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1200.71	V	54.73	46.43	-8.02	46.72	38.41	80.00	60.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

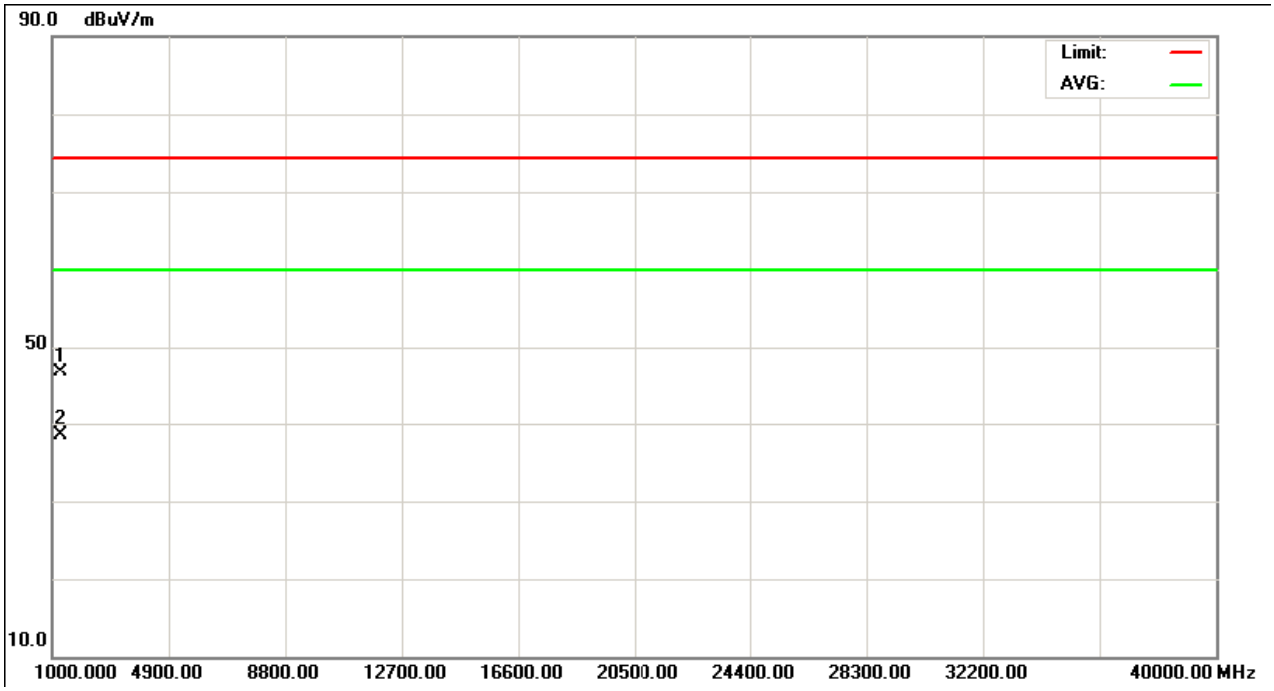
(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand



EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1006hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	RX Mode -Nippon Antenna(Shanghai)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1200.71	H	57.85	48.94	-8.02	49.83	40.92	80.00	60.00	X/H

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

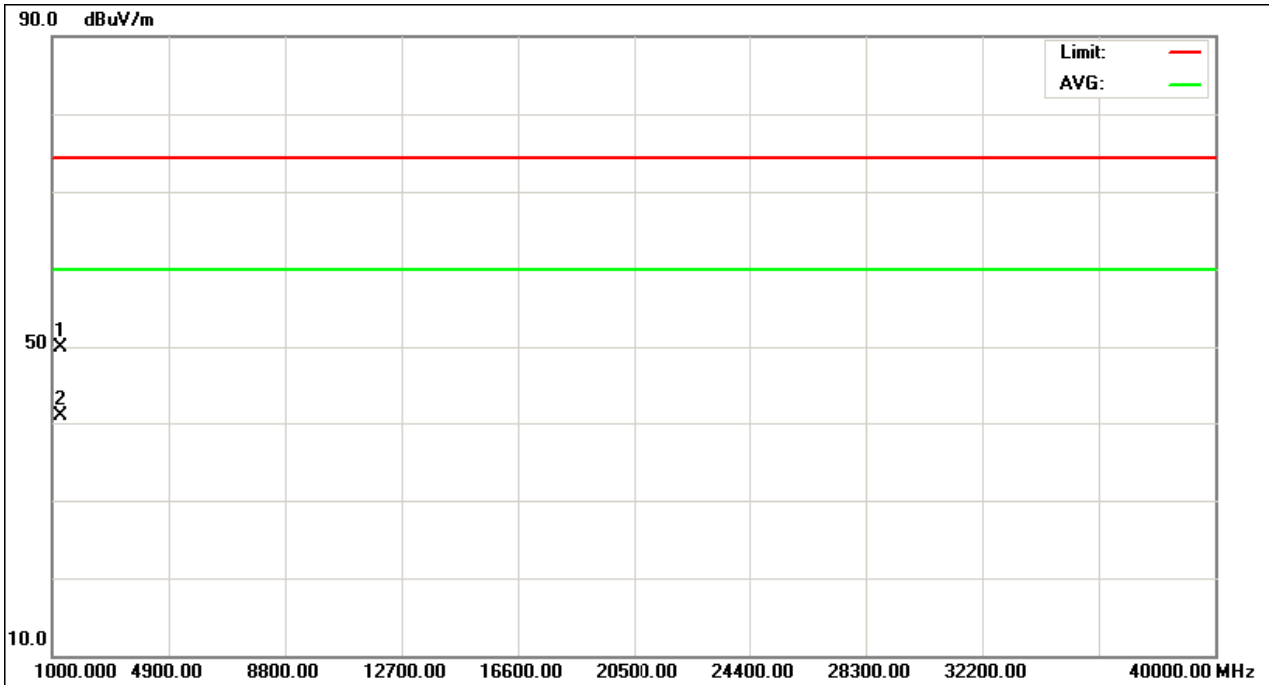
(2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand



5. 26dB Spectrum Bandwidth

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
26 dB Bandwidth	------	5150MHz~5250 5250MHz~5350 5470MHz~5725	PASS

5.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Next Calibration
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2011	Nov.26.2012

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

5.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

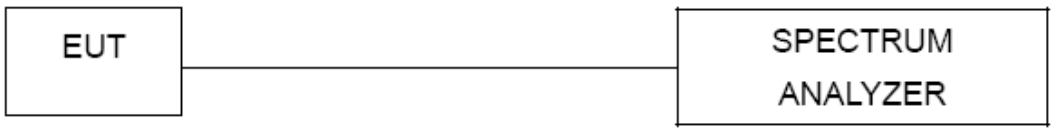
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RB	300 kHz
VB	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26dB below carrier

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP



5.1.5 EUT OPERATION CONDITIONS

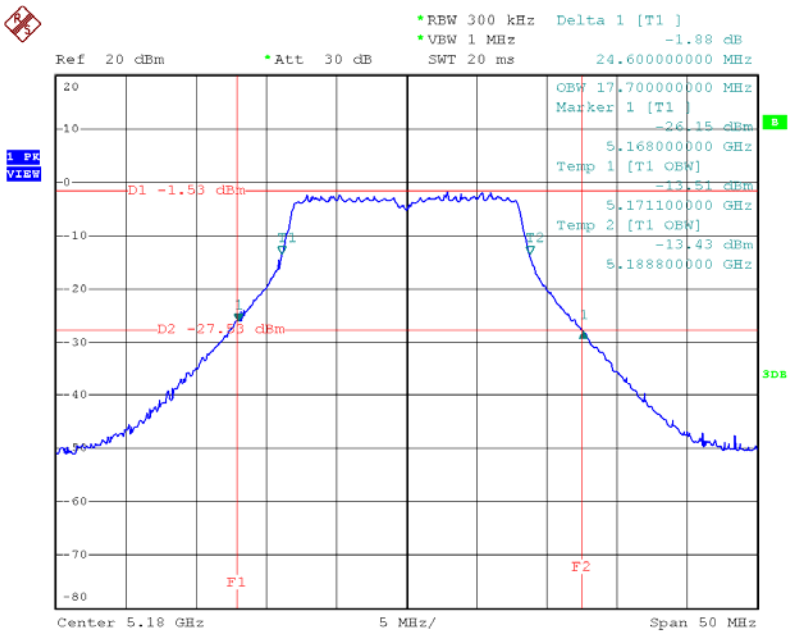
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.6 TEST RESULTS

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX A Mode /CH36, CH40, CH48		

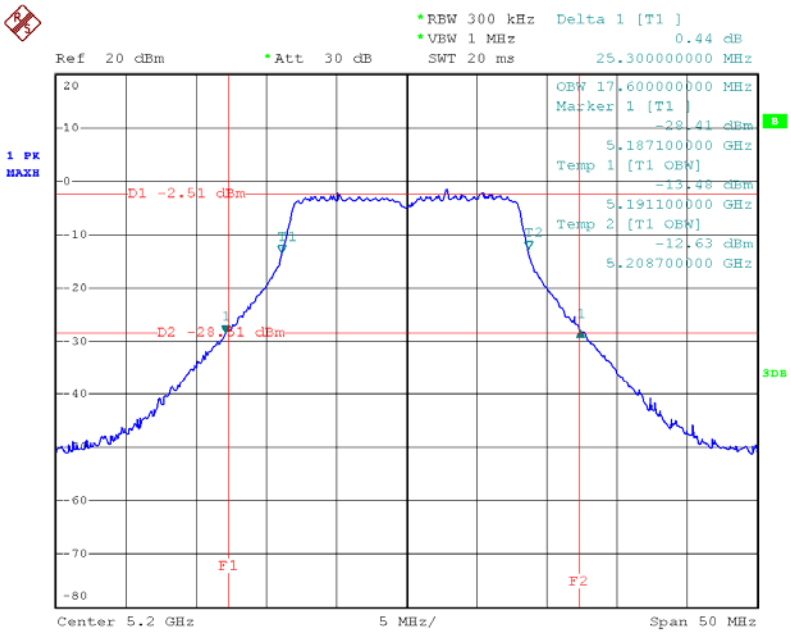
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	24.60	17.70
CH40	5210	25.30	17.60
CH48	5240	25.10	17.70

CH36



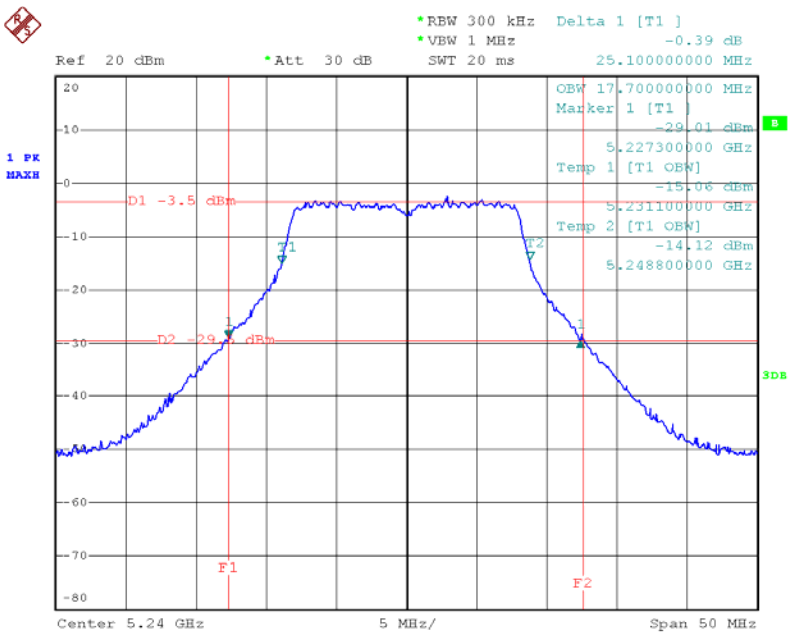
Date: 17.APR.2012 19:48:57

CH40



Date: 17.APR.2012 20:27:27

CH48

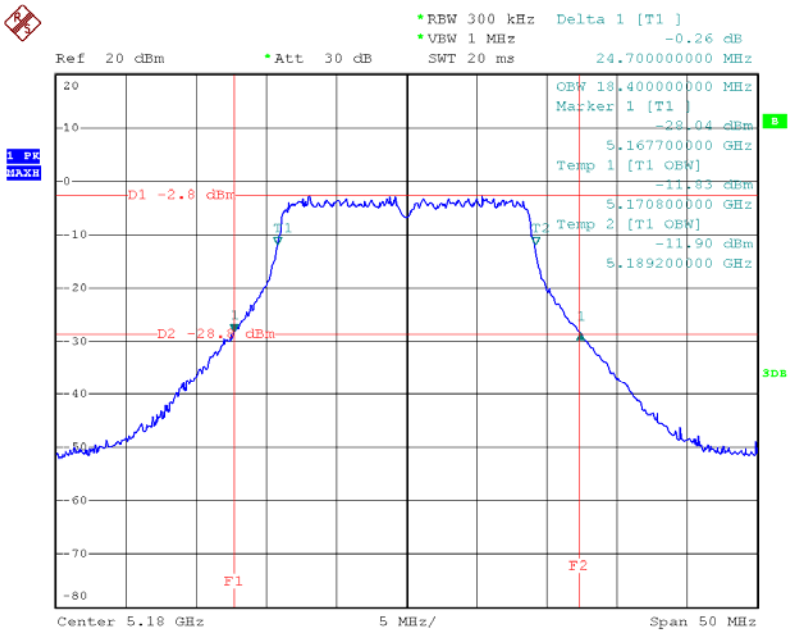


Date: 17.APR.2012 20:29:32

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TXN20 Mode /CH36, CH40, CH48		

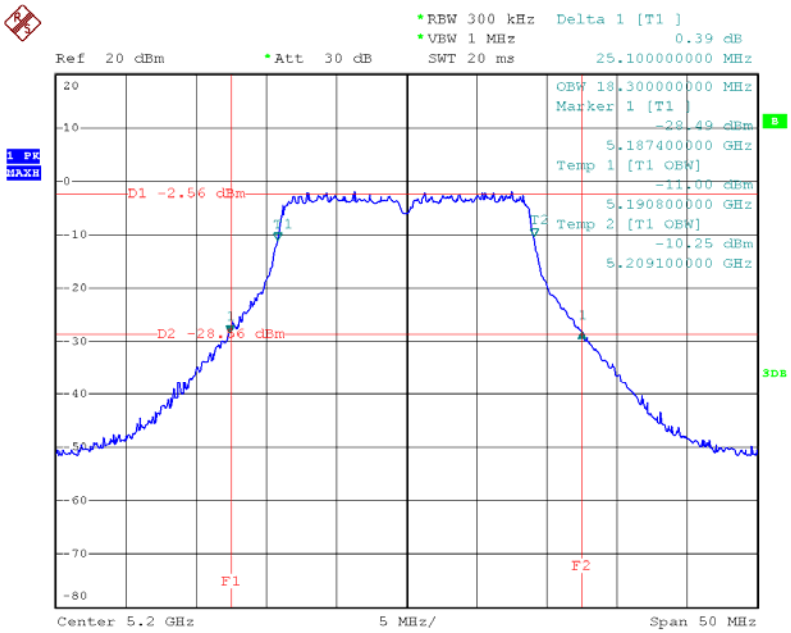
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	24.70	18.40
CH40	5210	25.10	18.30
CH48	5240	25.00	18.50

CH36



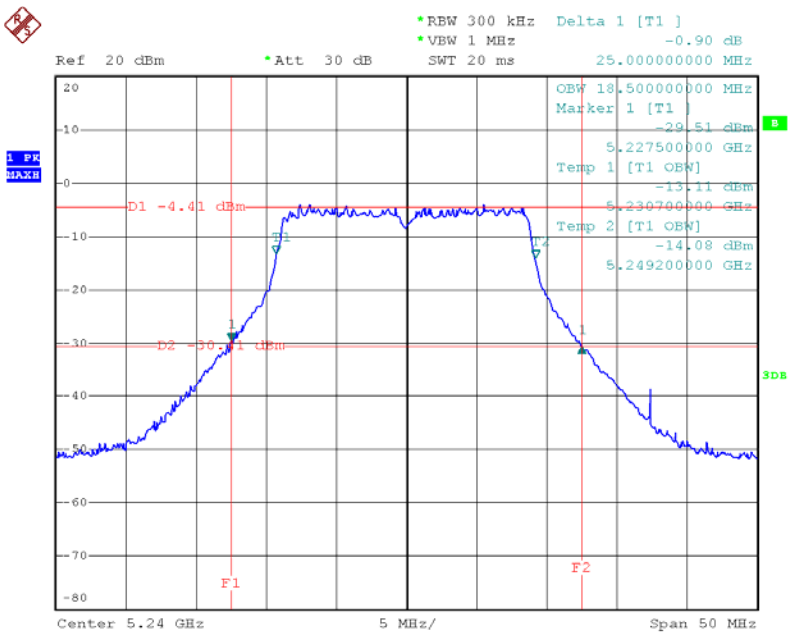
Date: 17.APR.2012 21:21:19

CH40



Date: 17.APR.2012 21:03:44

CH48

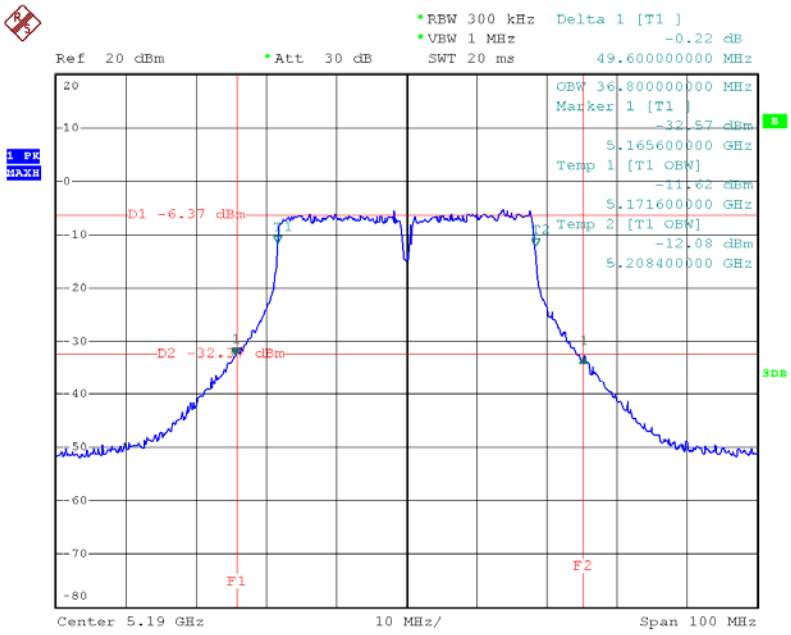


Date: 17.APR.2012 20:52:04

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TXN40 Mode /CH38, CH46		

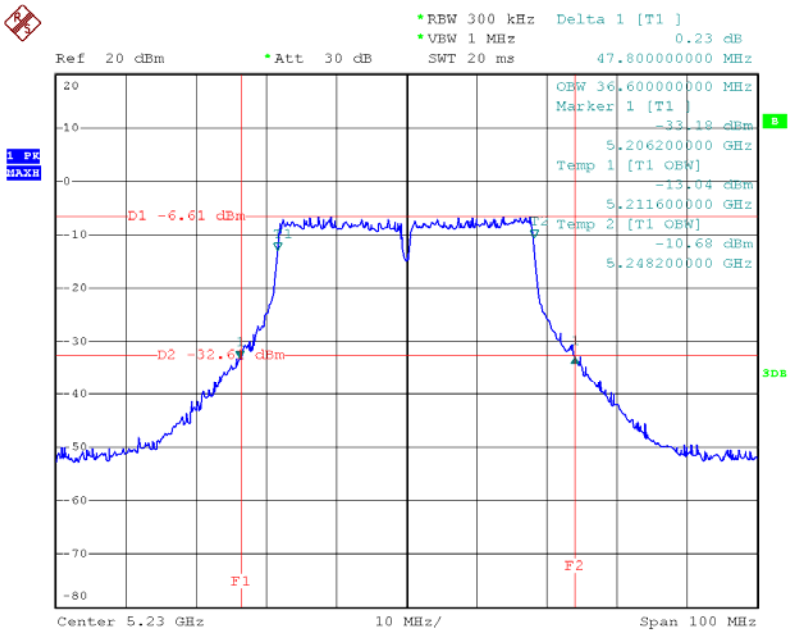
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	49.60	36.80
CH46	5230	47.80	36.60

CH38



Date: 17.APR.2012 21:43:55

CH46

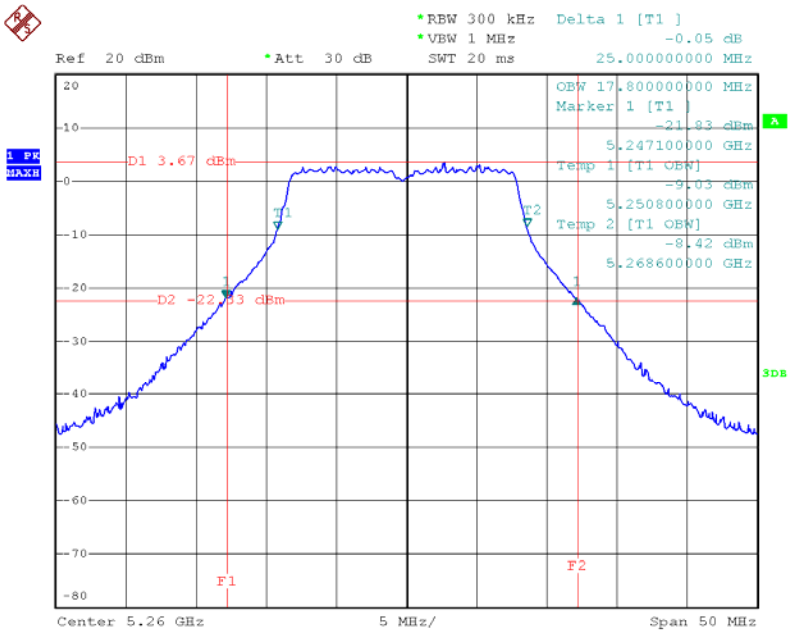


Date: 17.APR.2012 21:52:49

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX A Mode /CH52, CH56, CH64		

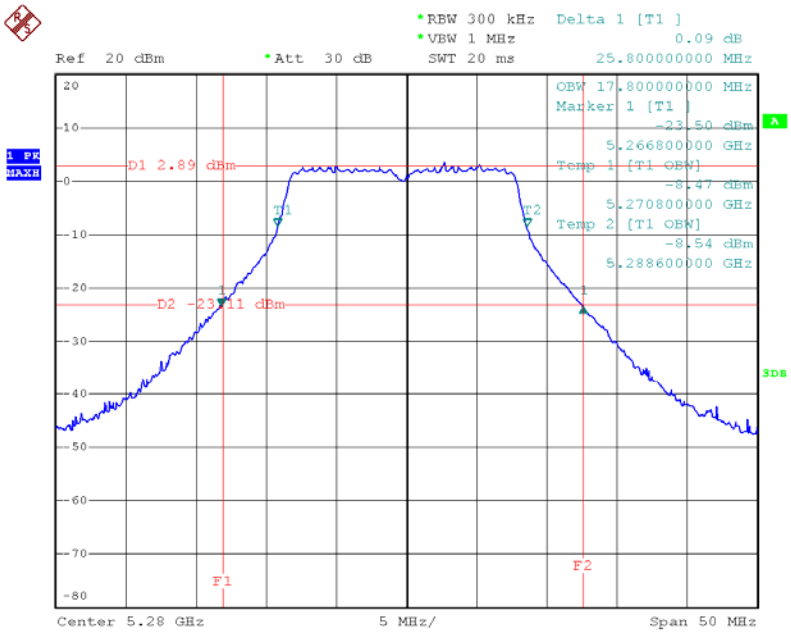
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	25.00	17.80
CH56	5280	25.80	17.80
CH64	5320	25.80	17.70

CH52



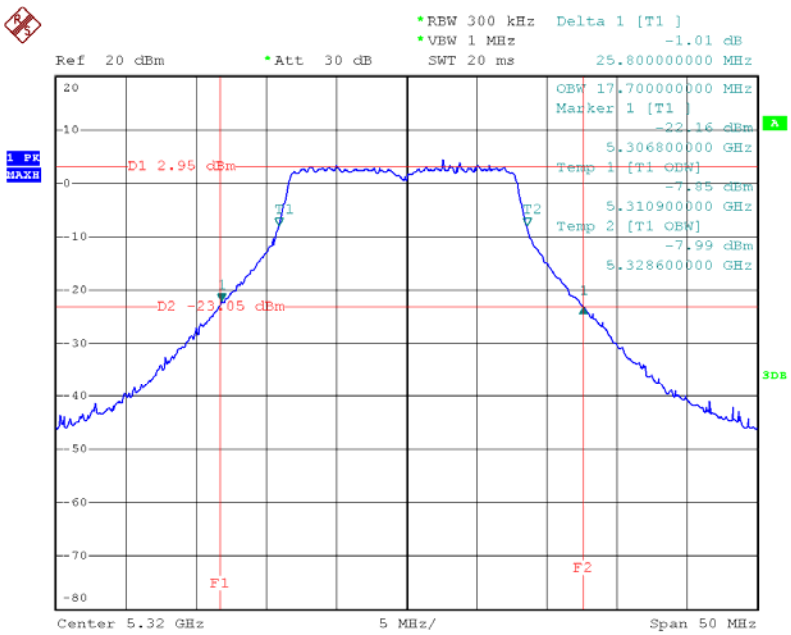
Date: 20.APR.2012 00:02:06

CH56



Date: 20.APR.2012 00:03:43

CH64

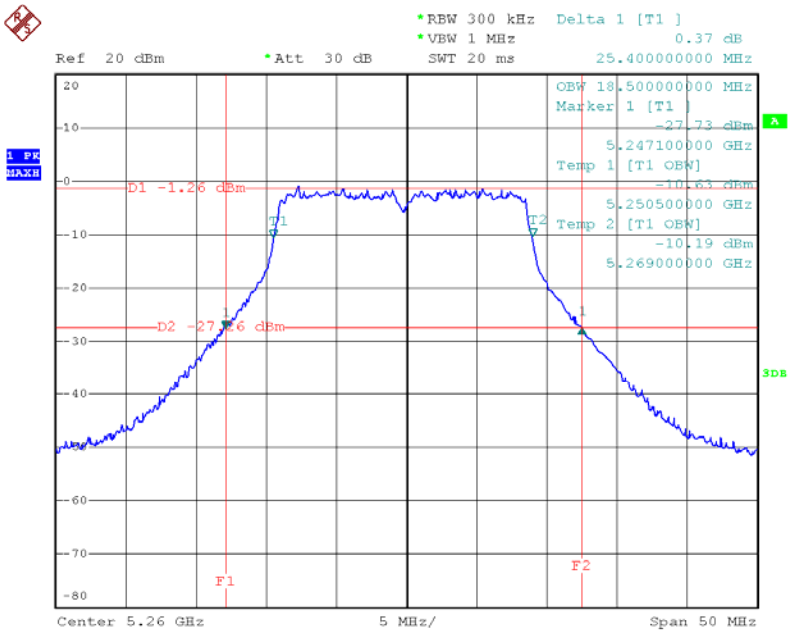


Date: 20.APR.2012 00:06:01

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX N20 Mode /CH52, CH56, CH64		

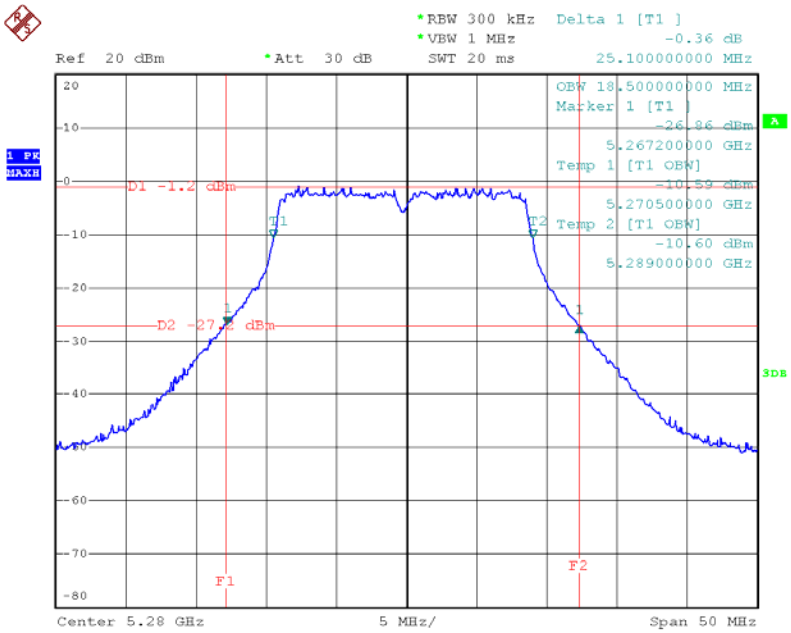
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	25.40	18.50
CH56	5280	25.10	18.50
CH64	5320	25.60	18.50

CH52



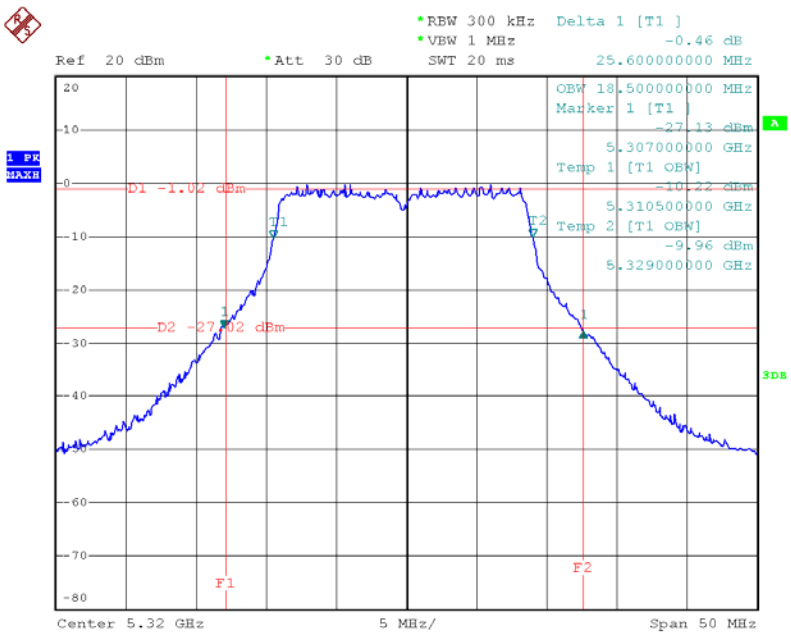
Date: 20.APR.2012 00:37:06

CH56



Date: 20.APR.2012 00:35:53

CH64

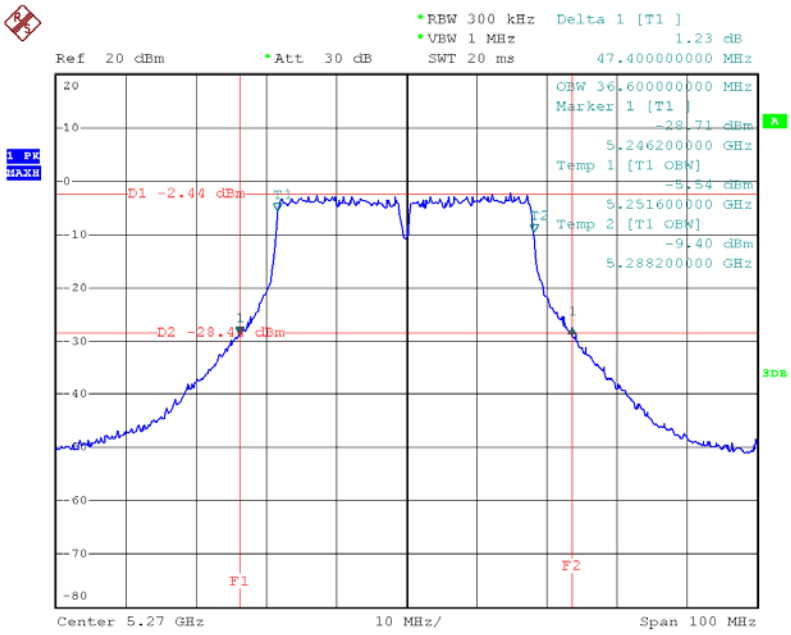


Date: 20.APR.2012 00:32:24

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX N40 Mode /CH54, CH62		

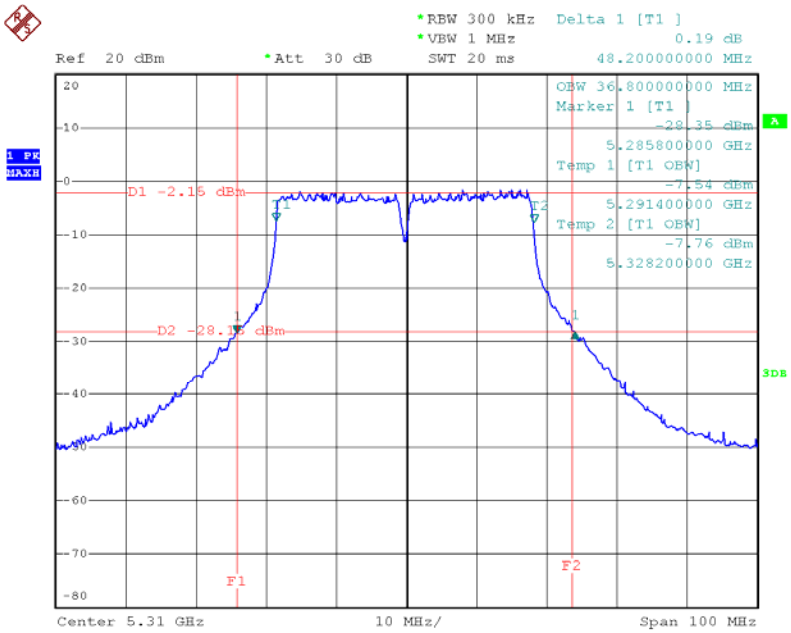
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH54	5270	47.40	36.60
CH62	5310	48.20	36.80

CH54



Date: 20.APR.2012 01:07:57

CH62

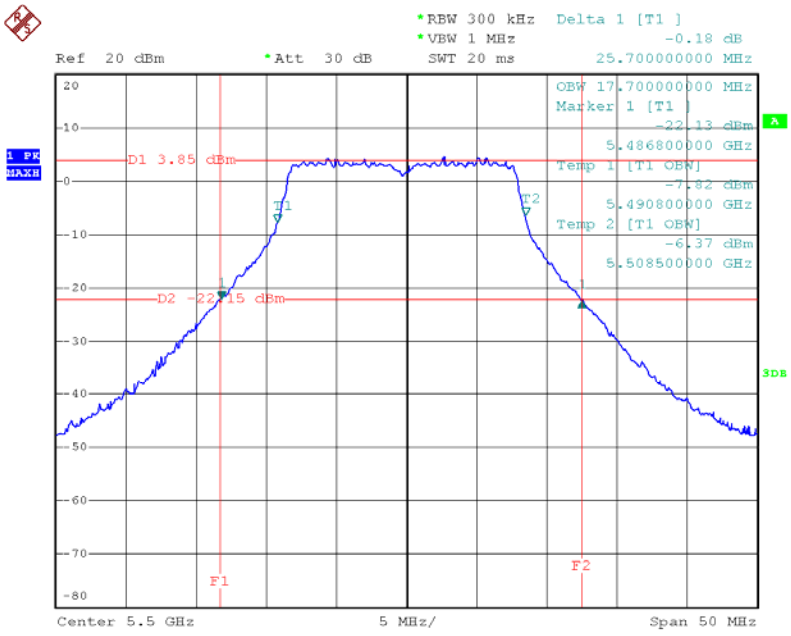


Date: 20.APR.2012 01:03:22

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX A Mode /CH100, CH116, CH140		

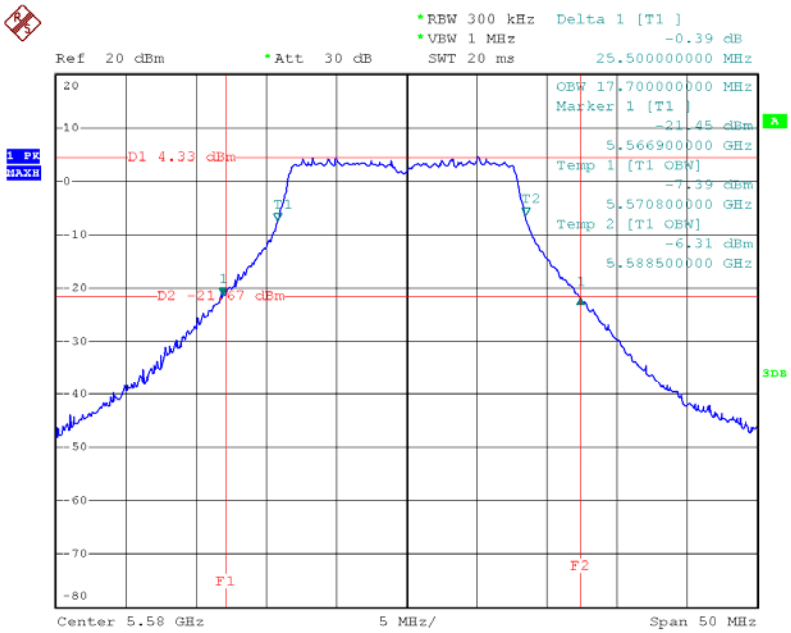
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	25.70	17.70
CH116	5580	25.50	17.70
CH140	5700	25.40	17.70

CH100



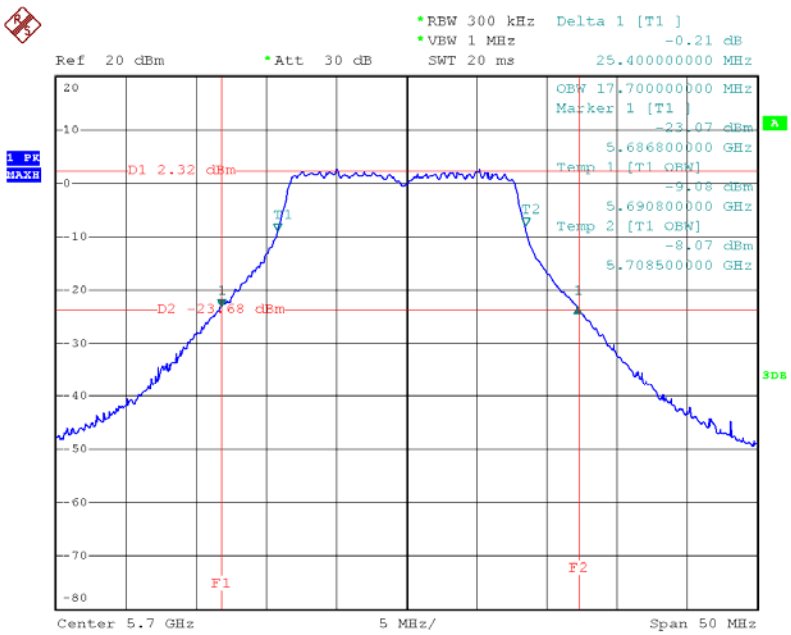
Date: 20.APR.2012 01:29:07

CH116



Date: 20.APR.2012 01:30:04

CH140

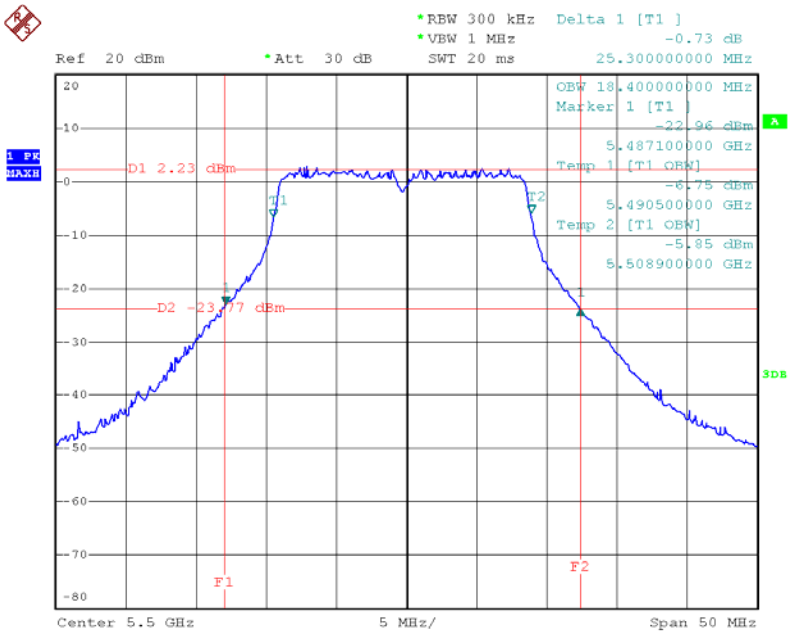


Date: 20.APR.2012 01:32:19

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX N20 Mode /CH100, CH116, CH140		

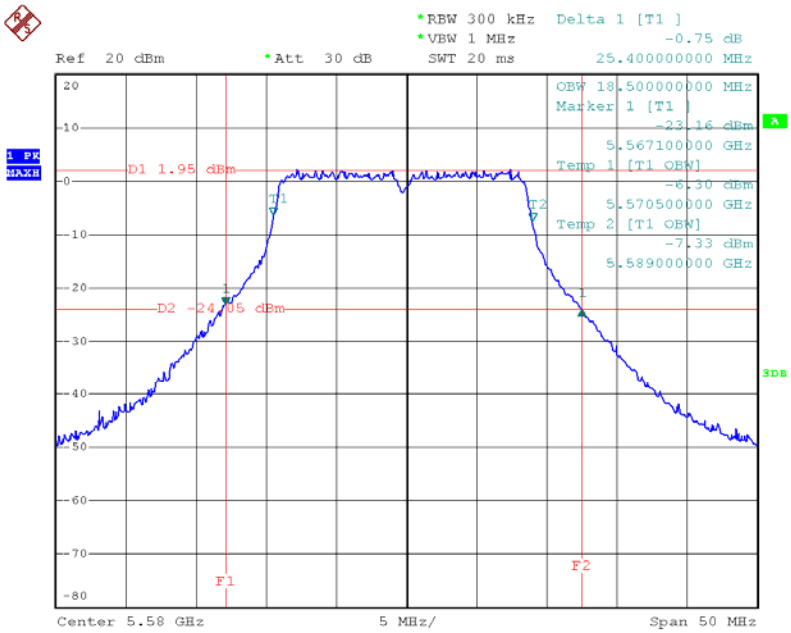
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	25.30	18.40
CH116	5580	25.40	18.50
CH140	5700	25.10	18.40

CH100



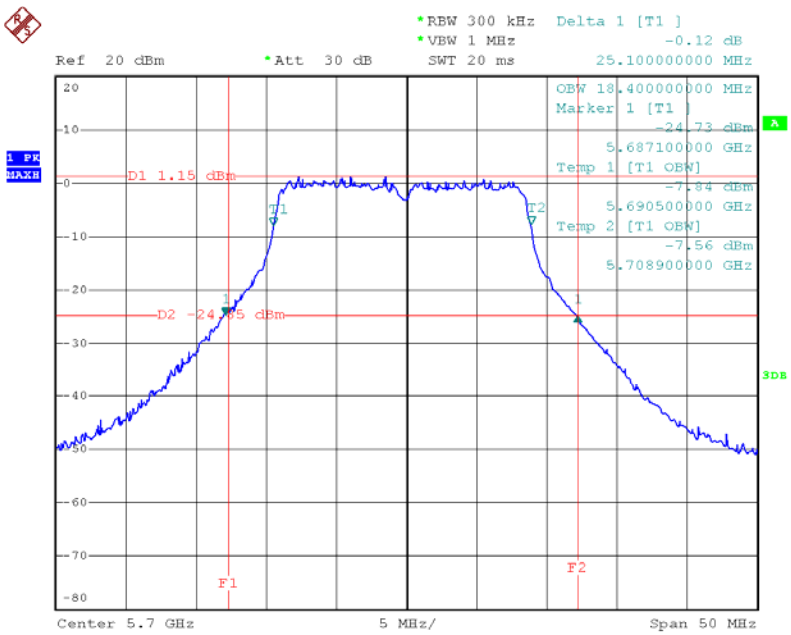
Date: 20.APR.2012 01:53:45

CH116



Date: 20.APR.2012 01:54:49

CH140

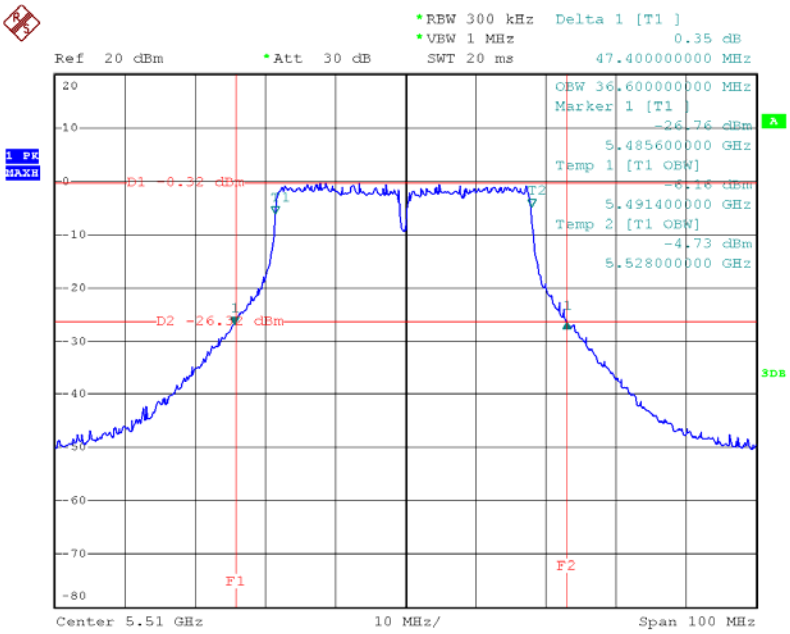


Date: 20.APR.2012 01:57:35

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX N40 Mode /CH52, CH56, CH64		

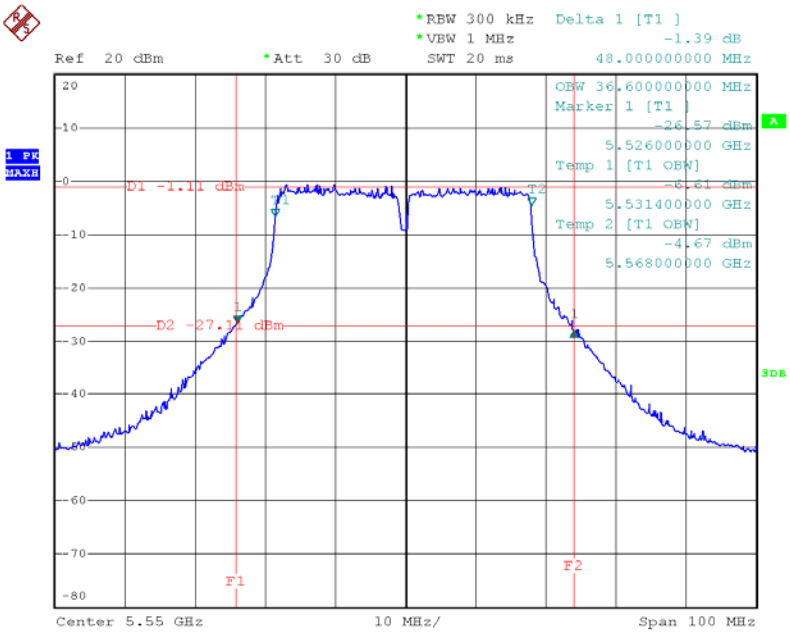
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH102	5510	47.40	36.60
CH110	5550	48.00	36.60
CH134	5670	47.40	36.60

CH102



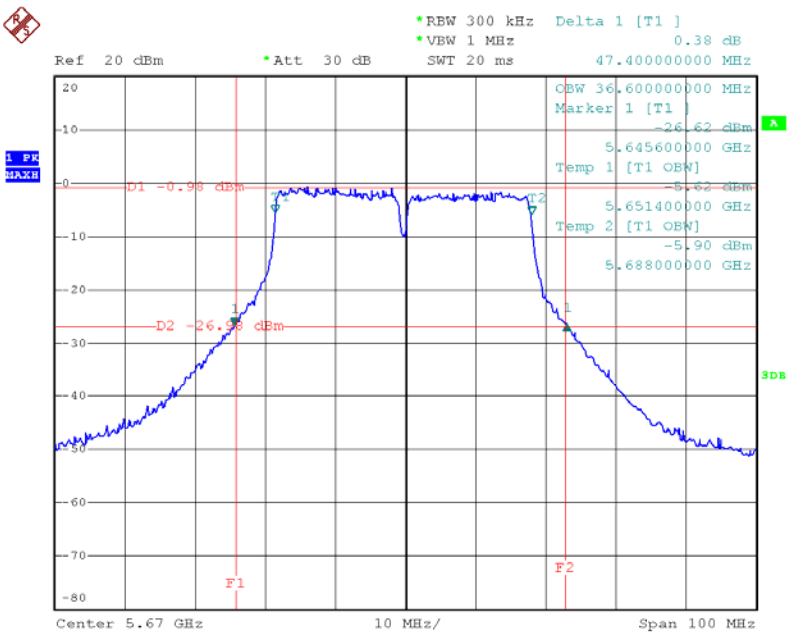
Date: 20.APR.2012 02:31:48

CH110



Date: 20.APR.2012 02:37:21

CH134



Date: 20.APR.2012 02:39:59

6. Maximum Conducted Output Power

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Frequency Range (MHz)	Limit	Result
Peak Output Power	5150 - 5250	not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B,	PASS
	5250 - 5350	not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B	PASS
	5470 - 5725	not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B	PASS

Note: where "B" is the 26 dB emissions bandwidth in MHz.

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Next Calibration
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2011	Nov.26.2012

Remark: " N/A" denotes No Model Name , Serial No. or No Calibration specified.

6.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

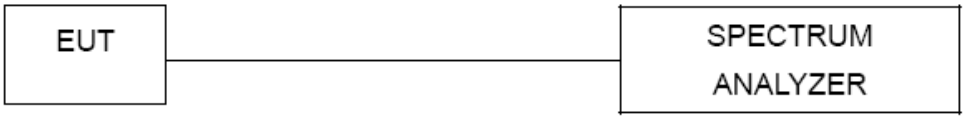
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz.
VBW	≥ 3 MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

b. Test was performed in accordance with method of KDB 789033 D01.

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

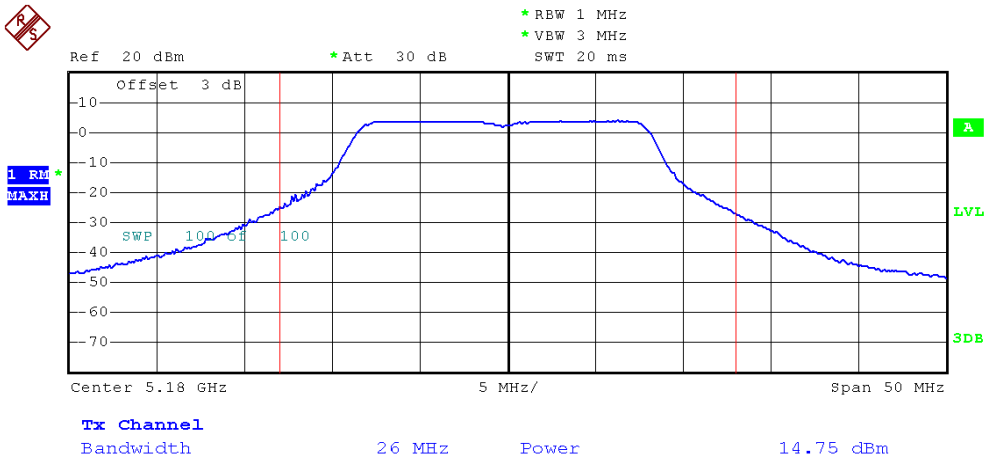
6.1.6 TEST RESULTS

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX A Mode/CH36, CH40, CH48		

Peak Output Power

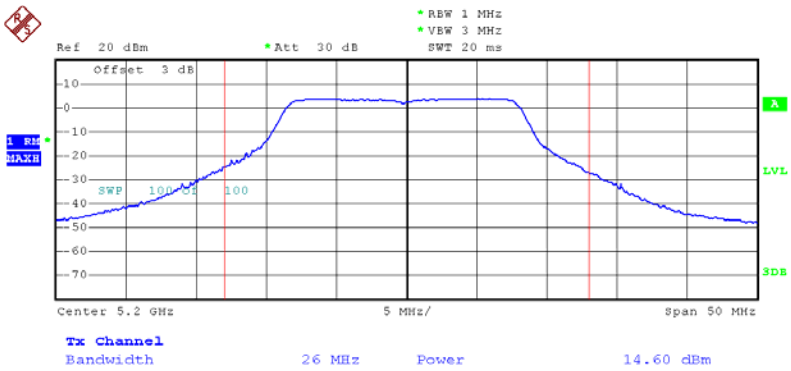
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	14.75	17.00	0.0501
CH40	5200	14.60	17.00	0.0501
CH48	5240	14.66	17.00	0.0501

CH36



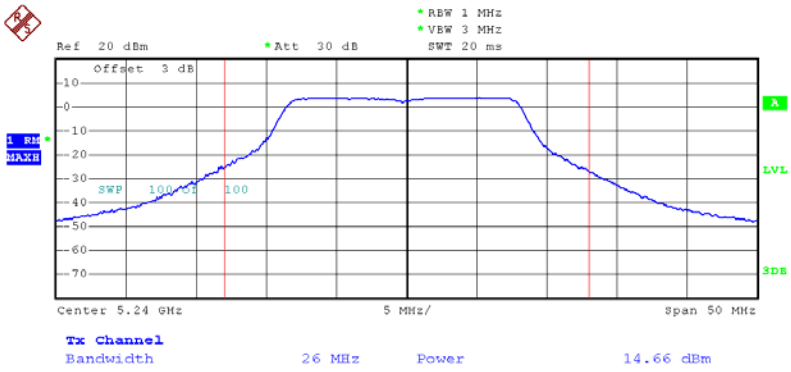
Date: 8.MAY.2012 10:01:40

CH40



Date: 8.MAY.2012 10:04:46

CH48

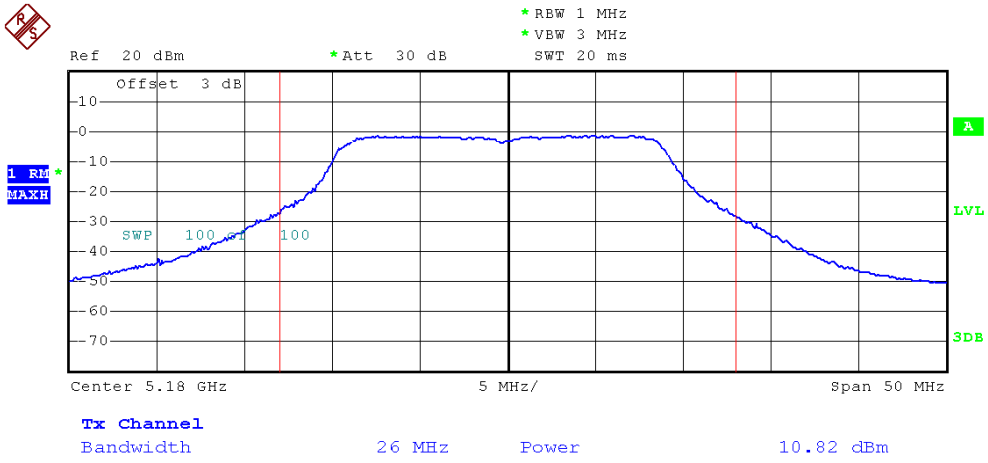


Date: 8.MAY.2012 10:05:25

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N20 Mode/CH36, CH40, CH48(ANT 1)		

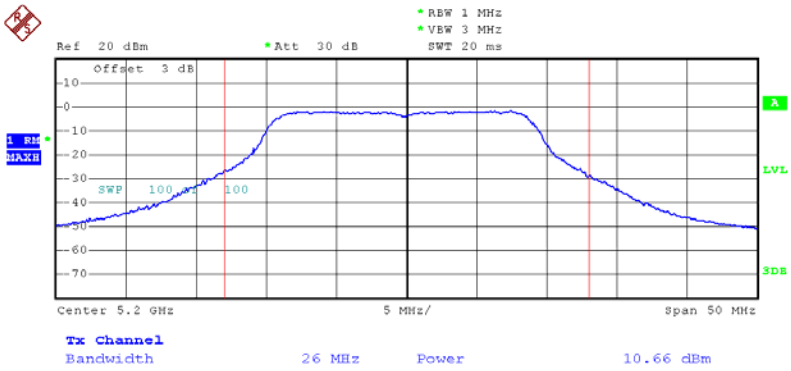
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	10.82	17.00	0.0501
CH40	5200	10.66	17.00	0.0501
CH48	5240	10.33	17.00	0.0501

CH36



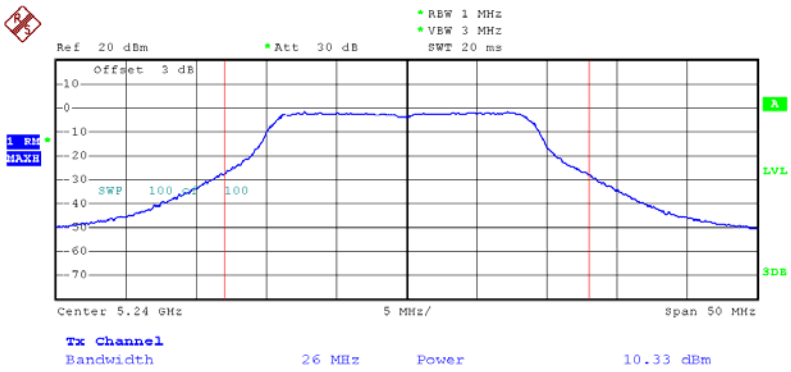
Date: 8.MAY.2012 11:13:47

CH40



Date: 8.MAY.2012 11:12:21

CH48

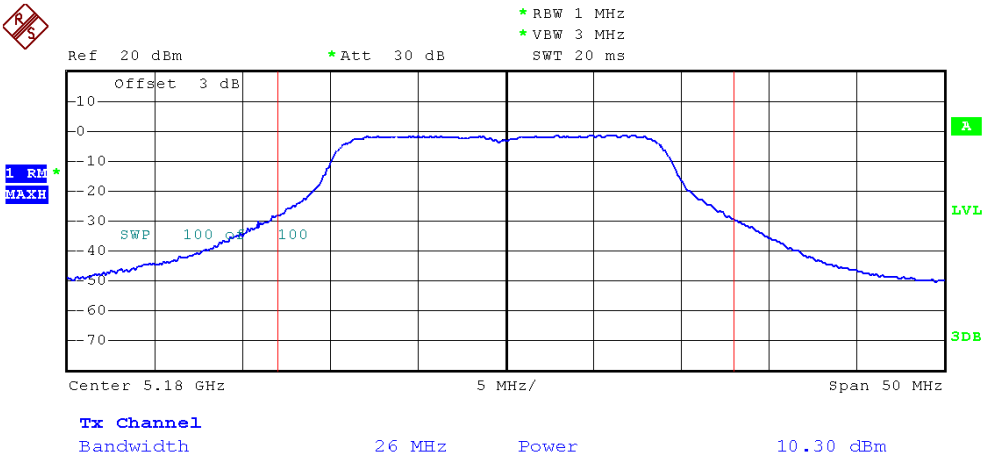


Date: 8.MAY.2012 11:11:52

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N20 Mode/CH36, CH40, CH48(ANT 2)		

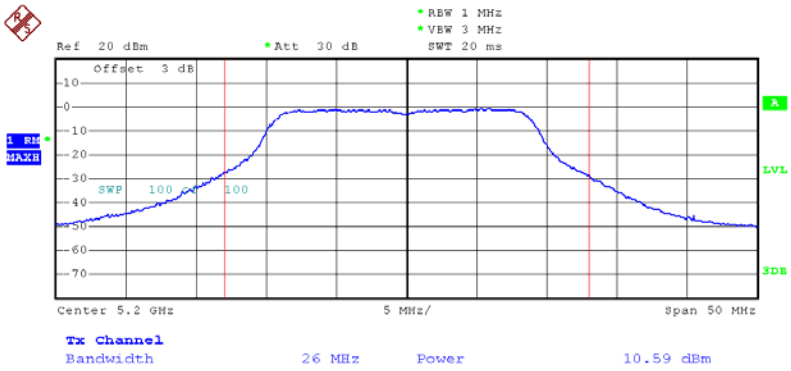
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	10.30	17.00	0.0501
CH40	5200	10.59	17.00	0.0501
CH48	5240	10.72	17.00	0.0501

CH36



Date: 8.MAY.2012 11:15:47

CH40



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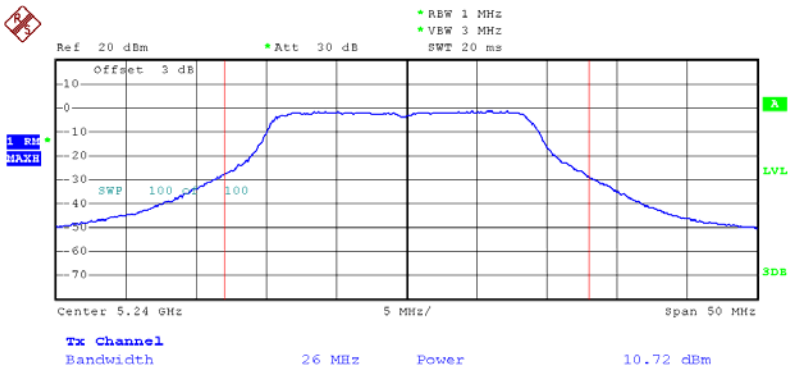
CH48

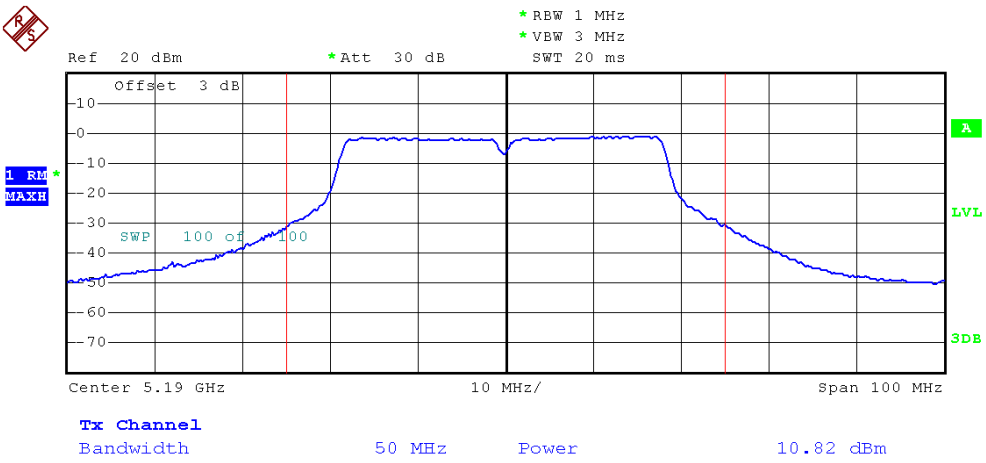


Date: 8.MAY.2012 11:37:19

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N40 Mode/CH36, CH40, CH48(ANT 1)		

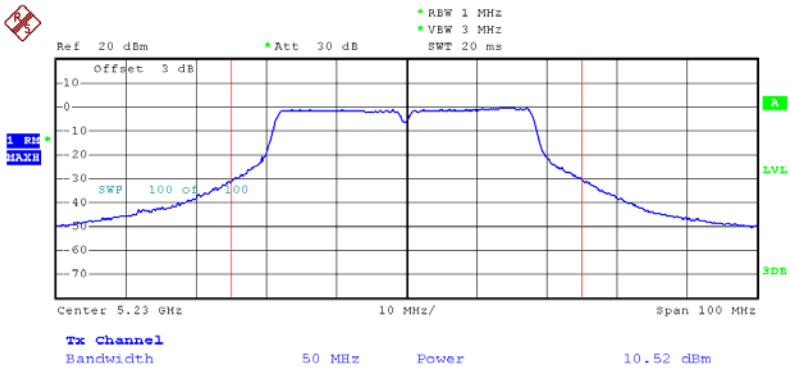
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	10.82	17.00	0.0501
CH46	4230	10.52	17.00	0.0501

CH38



Date: 8.MAY.2012 12:07:54

CH46

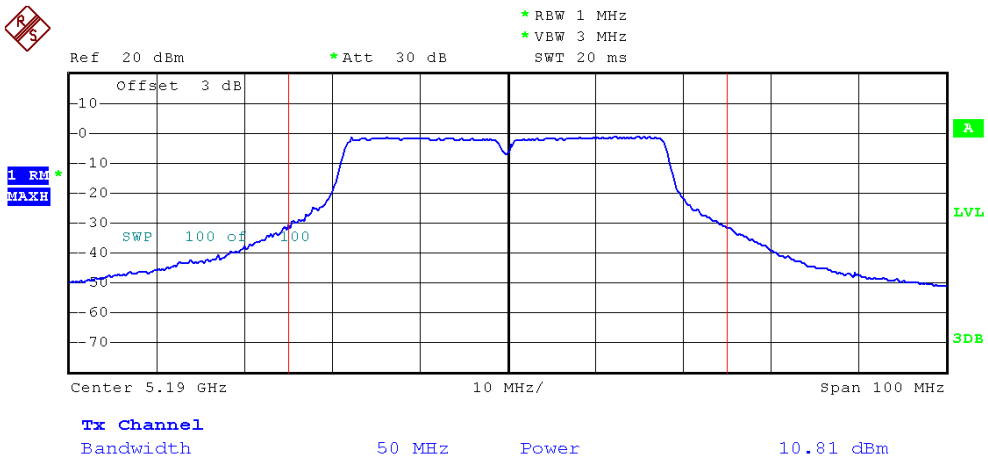


Date: 8.MAY.2012 12:06:59

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N40 Mode/CH36, CH40, CH48(ANT 2)		

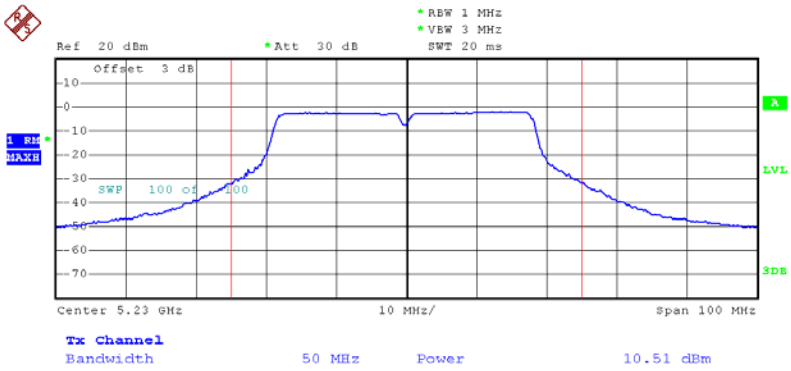
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	10.81	17.00	0.0501
CH46	4230	10.51	17.00	0.0501

CH38



Date: 8.MAY.2012 12:09:34

CH46



Date: 8.MAY.2012 12:10:06

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 1/ TX N20 Mode /CH36, CH40, CH48 (Antenna Amphenol-SAA-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180 MHz	13.58	14.6	0.0288
CH40	5200 MHz	13.64	14.6	0.0288
CH48	5240 MHz	13.54	14.6	0.0288

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 1/ TX N40 Mode /CH38, CH46 (Antenna Amphenol-SAA-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190 MHz	13.83	14.6	0.0288
CH46	5230 MHz	13.53	14.6	0.0288

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain 1=5.3 dBi, Antenna Gain 2=5.5 dBi**

(3) This EUT supports MIMO 2T2R, all transmit signals are completely uncorrelated, then, $\text{Directional gain} = 10\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N]\ \text{dBi}$, that is Directional gain=8.4; So,the out power limit is 17-8.4+6=14.6; and power density limit is 4-8.4+6=1.6

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 1/ TX N20 Mode /CH36, CH40, CH48 (Nippon Antenna(Shanghai)-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180 MHz	13.58	14.34	0.027
CH40	5200 MHz	13.64	14.34	0.027
CH48	5240 MHz	13.54	14.34	0.027

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 1/ TX N40 Mode /CH38, CH46 (Nippon Antenna(Shanghai)-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190 MHz	13.83	14.34	0.027
CH46	5230 MHz	13.53	14.34	0.027

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain 0=5.79dBi, Antenna Gain 1=5.51 dBi**

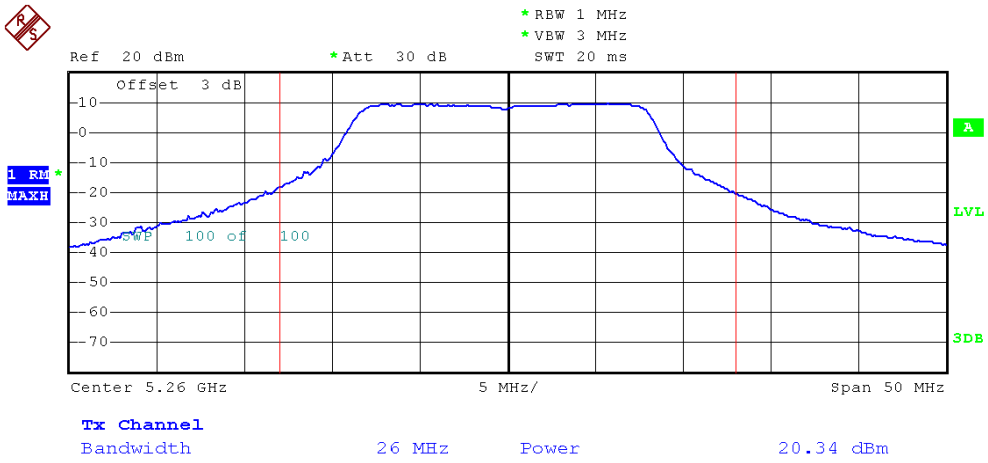
(3) This EUT supports MIMO 2T2R, all transmit signals are completely uncorrelated, then, $\text{Directional gain} = 10\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N]\ \text{dBi}$, that is Directional gain=8.66; So,the out power limit is 17-8.66+6=14.34; and power density limit is 4-8.66+6=1.34

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX A Mode/CH52, CH56, CH64		

Peak Output Power

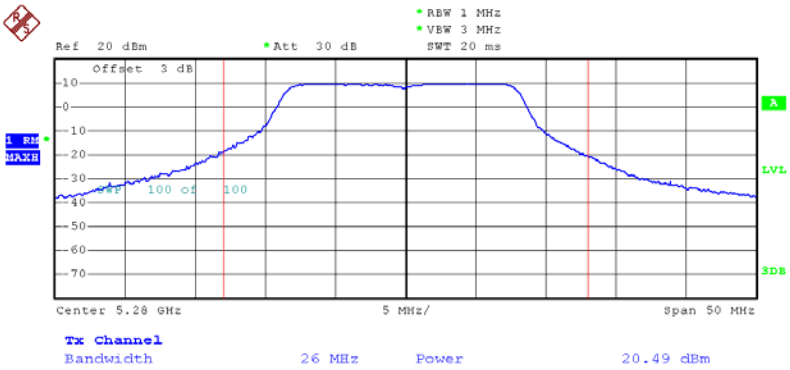
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	20.34	24	0.251
CH56	5280	20.49	24	0.251
CH64	5320	21.41	24	0.251

CH52



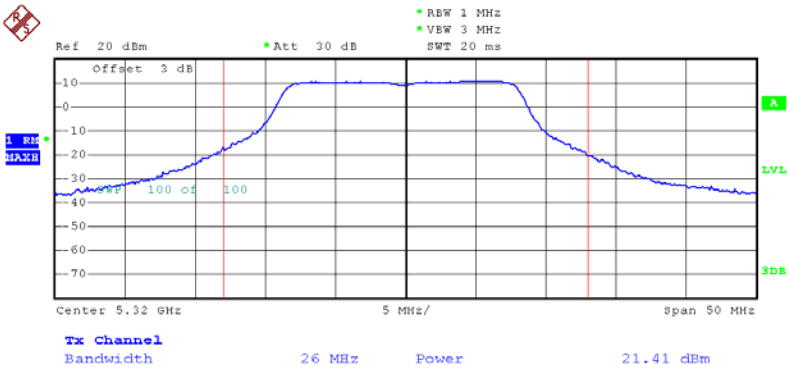
Date: 8.MAY.2012 10:17:02

CH56



Date: 8.MAY.2012 10:18:53

CH64

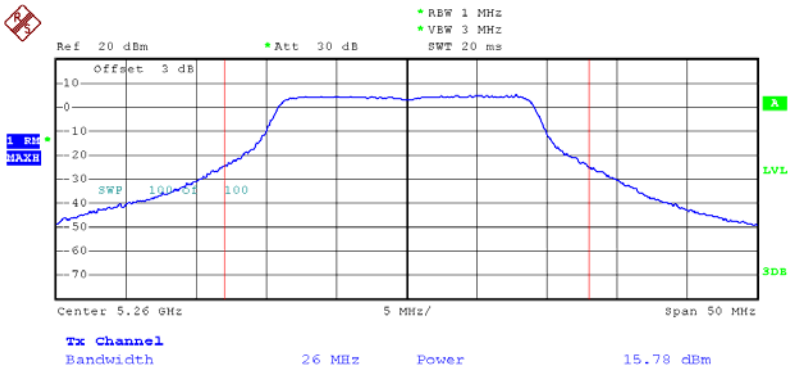


Date: 8.MAY.2012 10:22:39

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX N20 Mode/CH52, CH56, CH64(ANT 1)		

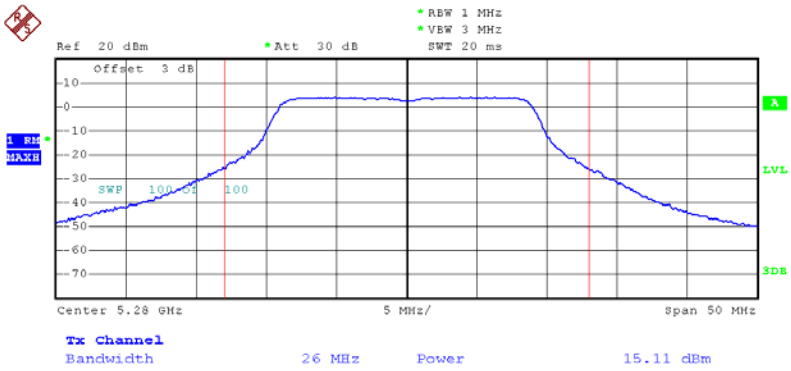
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	15.78	24	0.251
CH56	5280	15.11	24	0.251
CH64	5320	14.98	24	0.251

CH52



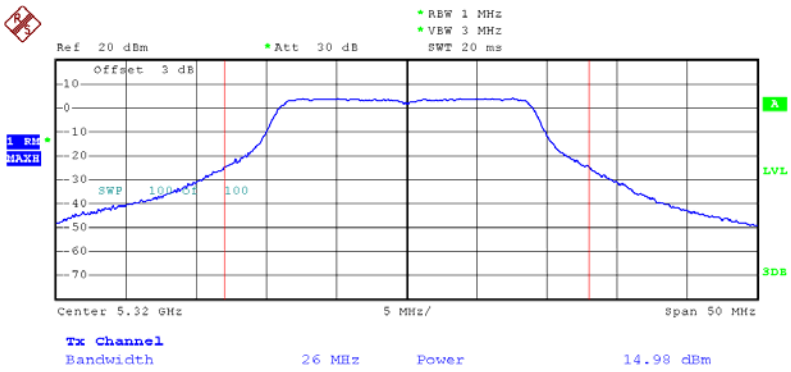
Date: 15.JUL.2012 11:52:50

CH56



Date: 15.JUL.2012 11:52:19

CH64

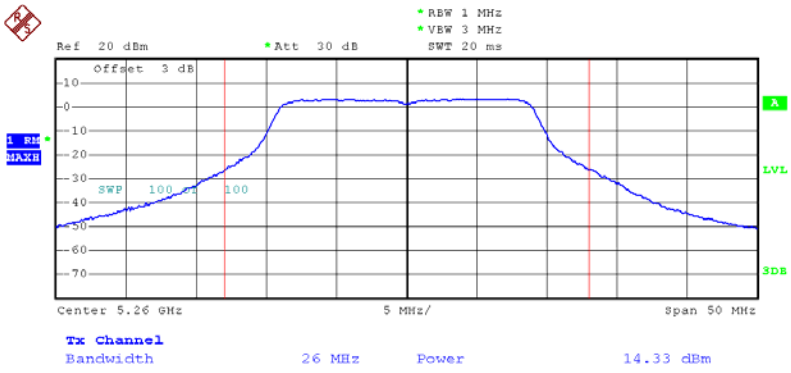


Date: 15.JUL.2012 11:51:53

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX N20 Mode/CH52, CH56, CH64(ANT 2)		

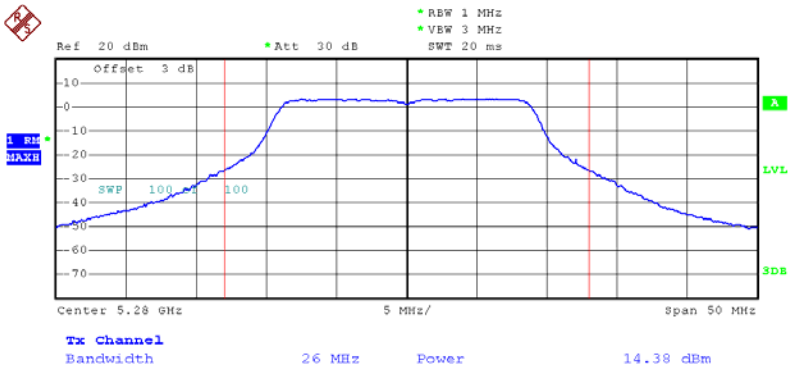
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	14.33	24	0.251
CH56	5280	14.38	24	0.251
CH64	5320	15.18	24	0.251

CH52



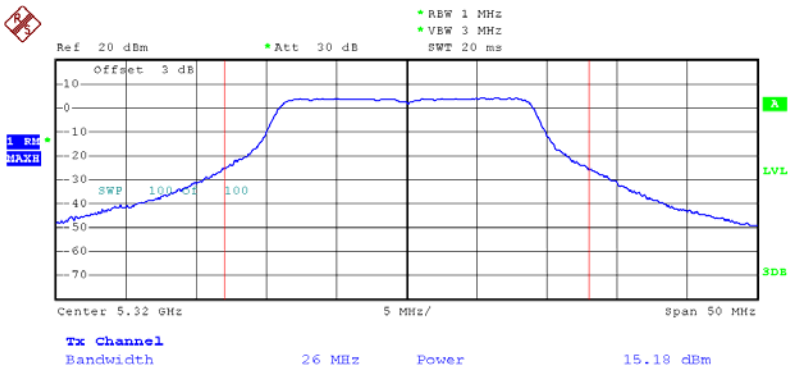
Date: 15.JUL.2012 11:46:09

CH56



Date: 15.JUL.2012 11:46:43

CH64

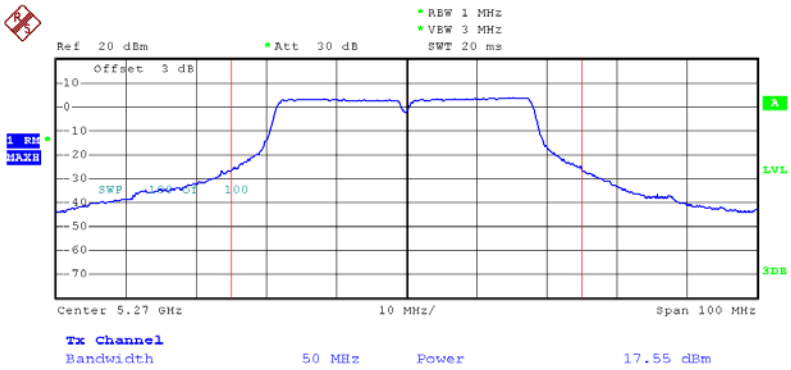


Date: 15.JUL.2012 11:47:14

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX N40 Mode/CH54, CH62 (ANT 1)		

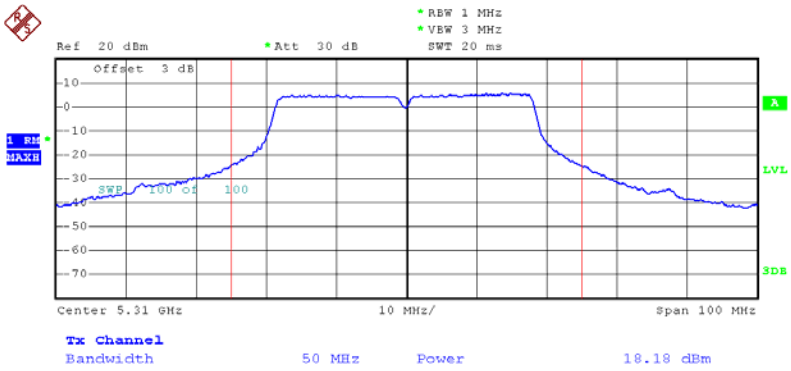
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	17.55	24	0.251
CH62	5310	18.18	24	0.251

CH54



Date: 8.MAY.2012 12:04:11

CH62

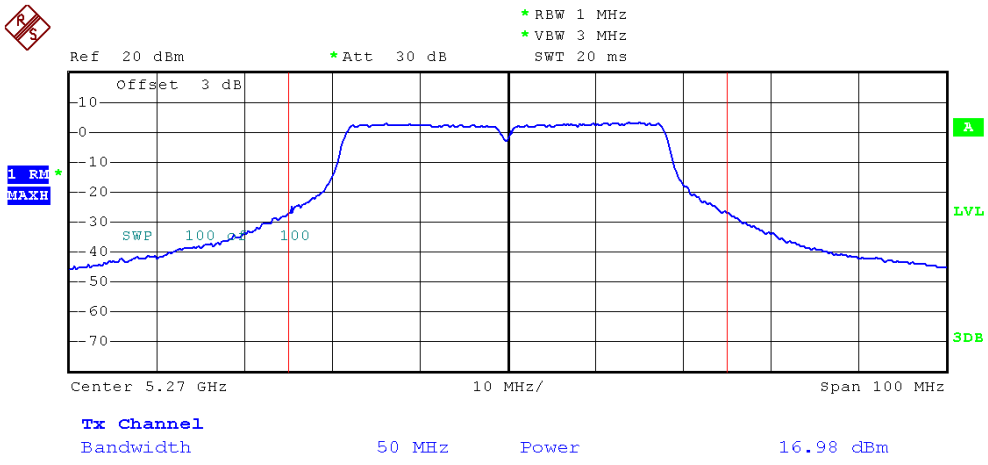


Date: 8.MAY.2012 12:02:49

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 2/TX N40 Mode/CH54, CH62 (ANT 2)		

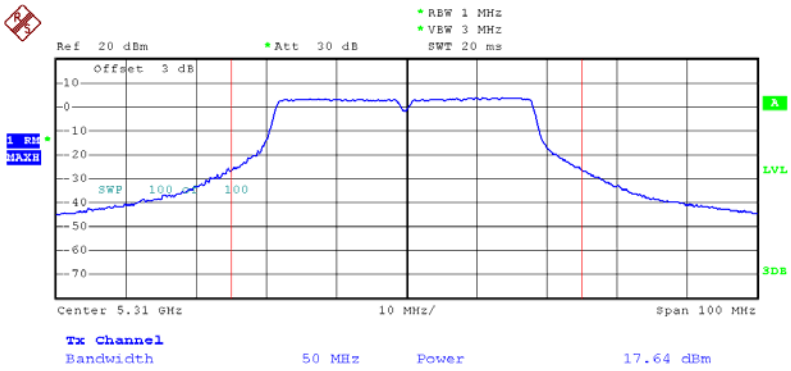
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	16.98	24	0.251
CH62	5310	17.14	24	0.251

CH54



Date: 8.MAY.2012 12:12:58

CH62



Date: 8.MAY.2012 12:11:45

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 2/ TX N20 Mode /CH52, CH56, CH64 (Antenna Amphenol-SAA-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260 MHz	18.13	21.6	0.1445
CH56	5280 MHz	17.77	21.6	0.1445
CH64	5320 MHz	18.09	21.6	0.1445

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 2/ TX N40 Mode /CH54, CH62 (Antenna Amphenol-SAA-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270 MHz	20.28	21.6	0.1445
CH62	5310 MHz	20.92	21.6	0.1445

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain 1=5.3 dBi, Antenna Gain 2=5.5 dBi**

(3) This EUT supports MIMO 2T2R, all transmit signals are completely uncorrelated, then, $\text{Directional gain} = 10\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N]\ \text{dBi}$, that is Directional gain=8.4; So,the out power limit is 24-8.4+6=21.6; and power density limit is 11-8.4+6=8.6

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 2/ TX N20 Mode /CH52, CH56, CH64 (Nippon Antenna(Shanghai)-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260 MHz	18.13	21.34	0.136
CH56	5280 MHz	17.77	21.34	0.136
CH64	5320 MHz	18.09	21.34	0.136

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 1/ TX N40 Mode /CH38, CH46 (Nippon Antenna(Shanghai)-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190 MHz	20.28	21.34	0.136
CH46	5230 MHz	20.92	21.34	0.136

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain 0=5.79dBi, Antenna Gain 1=5.51 dBi**

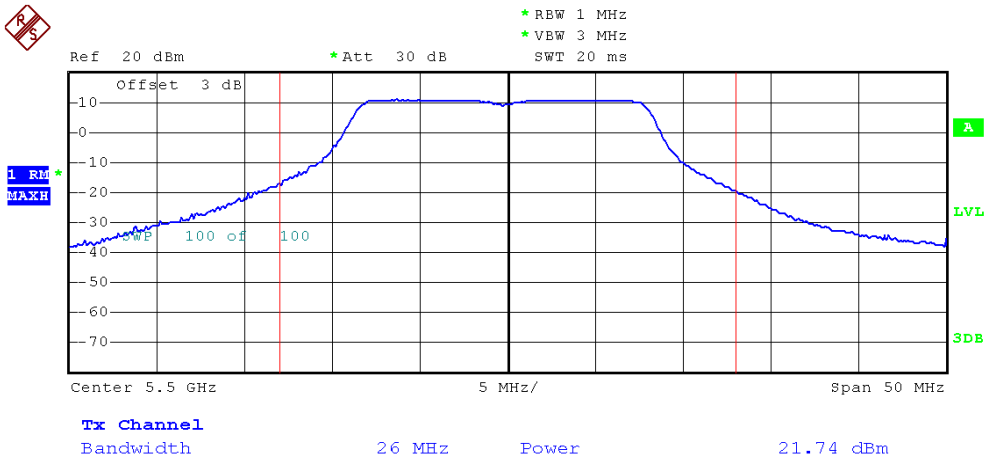
(3) This EUT supports MIMO 2T2R, all transmit signals are completely uncorrelated, then, $\text{Directional gain} = 10\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N]\ \text{dBi}$, that is Directional gain=8.66; So,the out power limit is 24-8.66+6=21.34; and power density limit is 11-8.66+6=8.34

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX A Mode/CH100, CH116, CH140		

Peak Output Power

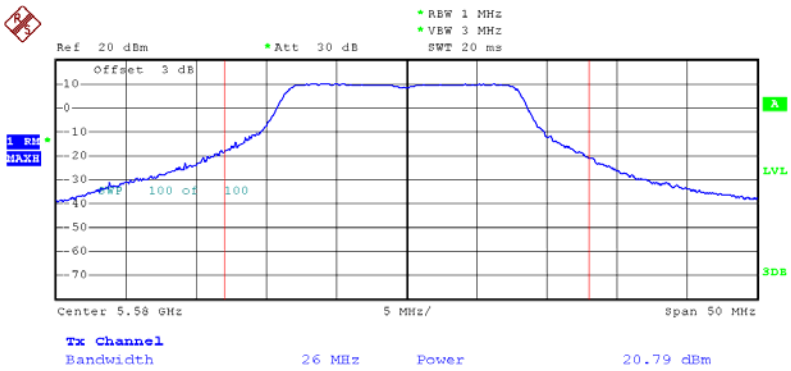
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	21.74	24	0.251
CH116	5580	20.79	24	0.251
CH140	5700	20.11	24	0.251

CH100



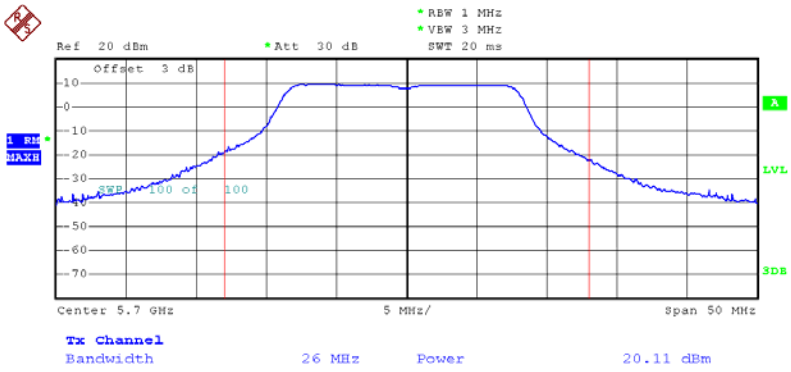
Date: 8.MAY.2012 10:26:12

CH116



Date: 8.MAY.2012 10:28:41

CH140



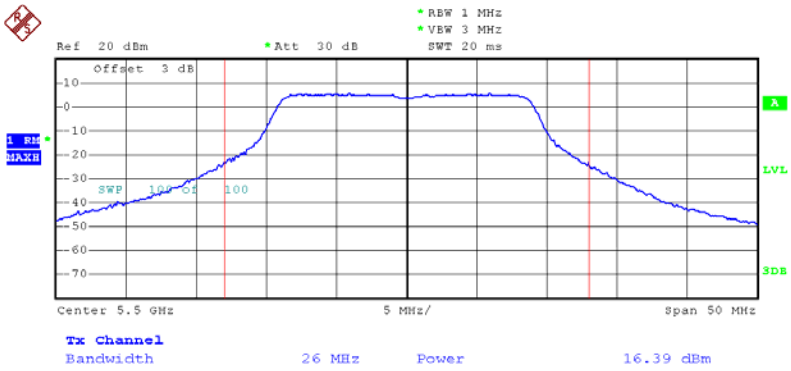
Date: 8.MAY.2012 10:30:12

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX N20 Mode/CH100, CH116, CH140(ANT 1)		

Peak Output Power

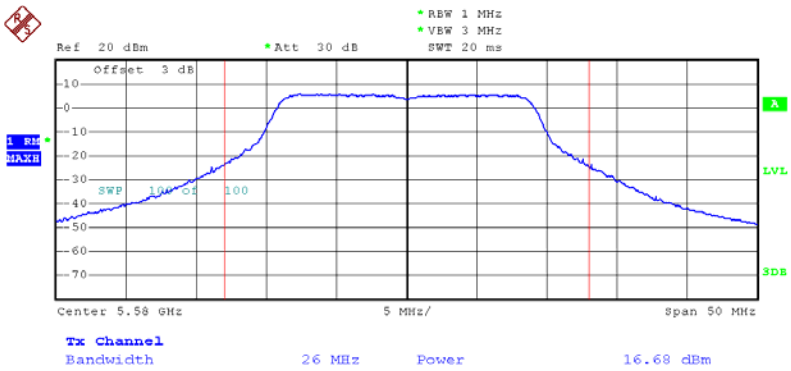
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	16.39	24	0.251
CH116	5580	16.68	24	0.251
CH140	5700	17.98	24	0.251

CH100



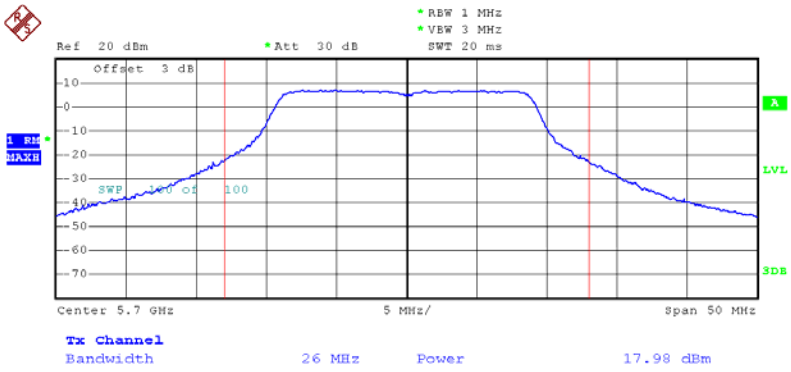
Date: 15.JUL.2012 11:51:12

CH116



Date: 15.JUL.2012 11:50:29

CH140



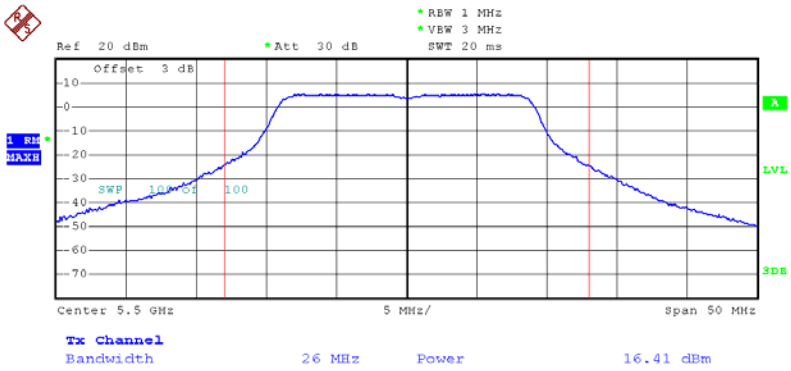
Date: 15.JUL.2012 11:49:52

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX N20 Mode/CH100, CH116, CH140(ANT 2)		

Peak Output Power

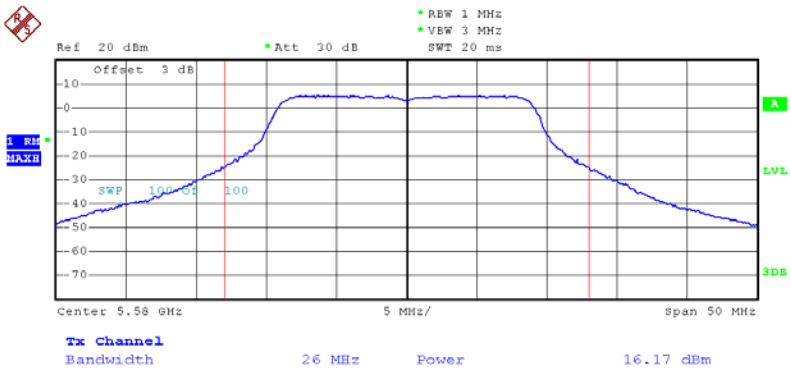
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	16.41	24	0.251
CH116	5580	16.17	24	0.251
CH140	5700	16.34	24	0.251

CH100



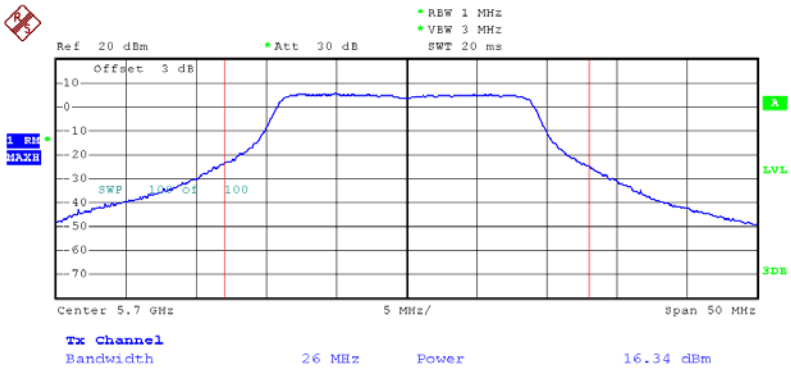
Date: 15.JUL.2012 11:47:37

CH116



Date: 15.JUL.2012 11:48:01

CH140

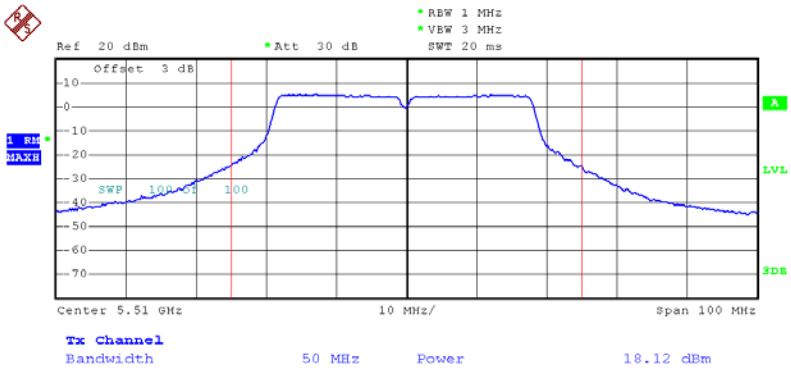


Date: 15.JUL.2012 11:48:31

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX N40 Mode/CH102, CH110,CH134 (ANT 1)		

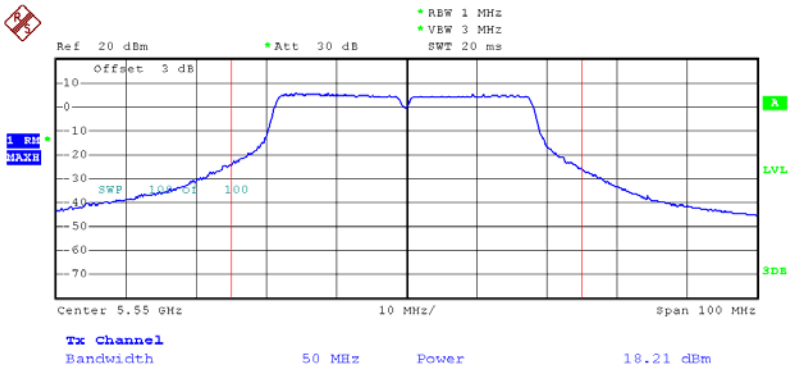
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	18.12	24	0.251
CH110	5550	18.21	24	0.251
CH134	5670	18.30	24	0.251

CH102



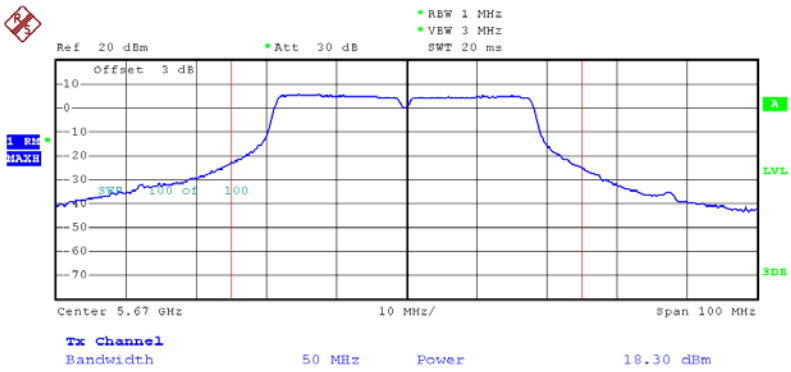
Date: 8.MAY.2012 11:58:06

CH110



Date: 8.MAY.2012 11:56:50

CH134

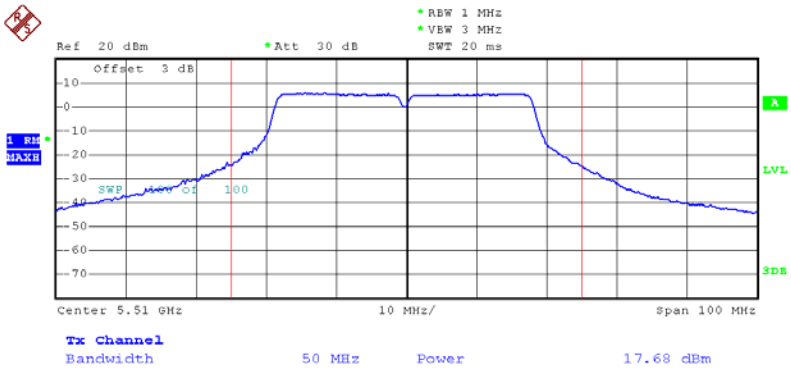


Date: 8.MAY.2012 11:54:22

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 3/TX N40 Mode/CH102, CH110,CH134 (ANT 2)		

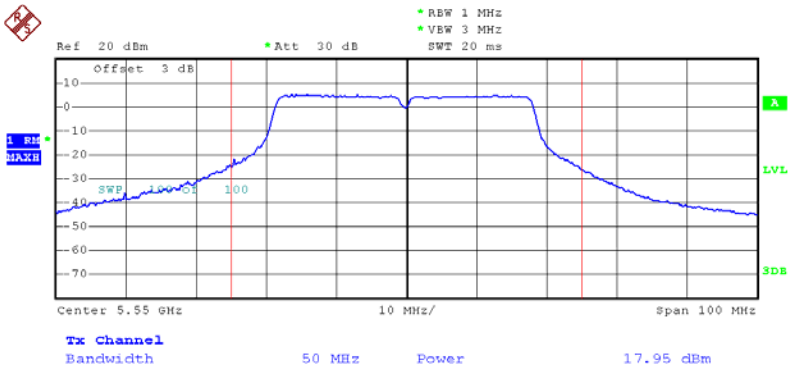
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	17.68	24	0.251
CH110	5550	17.95	24	0.251
CH134	5670	17.89	24	0.251

CH102



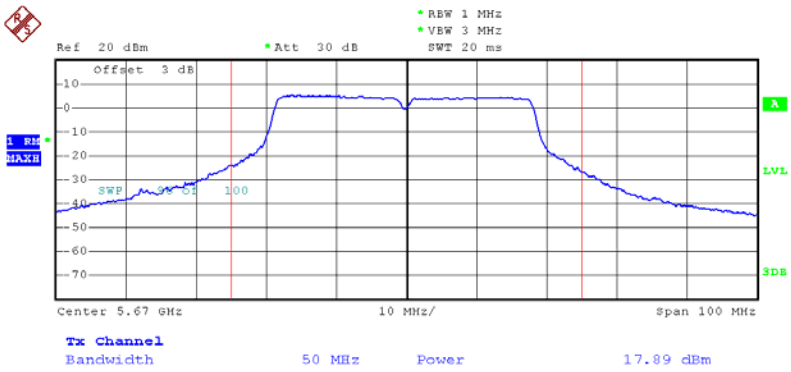
Date: 8.MAY.2012 12:14:07

CH110



Date: 8.MAY.2012 12:15:15

CH134



Date: 8.MAY.2012 12:16:12

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 3 TX N20 Mode /CH100, CH116, CH134 (Antenna Amphenol-SAA-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	19.41	21.6	0.145
CH116	5580	19.44	21.6	0.145
CH134	5700	20.25	21.6	0.145

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 2/ TX N40 Mode /CH54, CH62 (Antenna Amphenol-SAA-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	20.92	21.6	0.145
CH110	5550	21.09	21.6	0.145
CH134	5670	21.11	21.6	0.145

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain 1=5.3 dBi, Antenna Gain 2=5.5 dBi**

(3) This EUT supports MIMO 2T2R, all transmit signals are completely uncorrelated, then, $\text{Directional gain} = 10\log\lceil(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N\rceil \text{ dBi}$, that is Directional gain=8.4; So,the out power limit is 24-8.4+6=21.6; and power density limit is 11-8.4+6=8.6

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 2/ TX N20 Mode /CH52, CH56, CH64 (Nippon Antenna(Shanghai)-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	19.41	21.34	0.136
CH116	5580	19.44	21.34	0.136
CH134	5700	20.25	21.34	0.136

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	Band 1/ TX N40 Mode /CH38, CH46 (Nippon Antenna(Shanghai)-ANT1+ANT2)		

Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	20.92	21.34	0.136
CH110	5550	21.09	21.34	0.136
CH134	5670	21.11	21.34	0.136

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain 0=5.79dBi, Antenna Gain 1=5.51 dBi**

(3) This EUT supports MIMO 2T2R, all transmit signals are completely uncorrelated, then, $\text{Directional gain} = 10\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N]$ dBi , that is Directional gain=8.66; So,the out power limit is 24-8.66+6=21.34; and power density limit is 11-8.66+6=8.34

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27 dBm/1MHz	5150 - 5250	PASS

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Next Calibration
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2011	Nov.26.2012

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

7.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

Spectrum Parameter	Setting
Attenuation	Auto
RB	1000 kHz
VB	1000 kHz
Trace	Max Hold
Sweep Time	Auto

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP

7.1.5 EUT OPERATION CONDITIONS

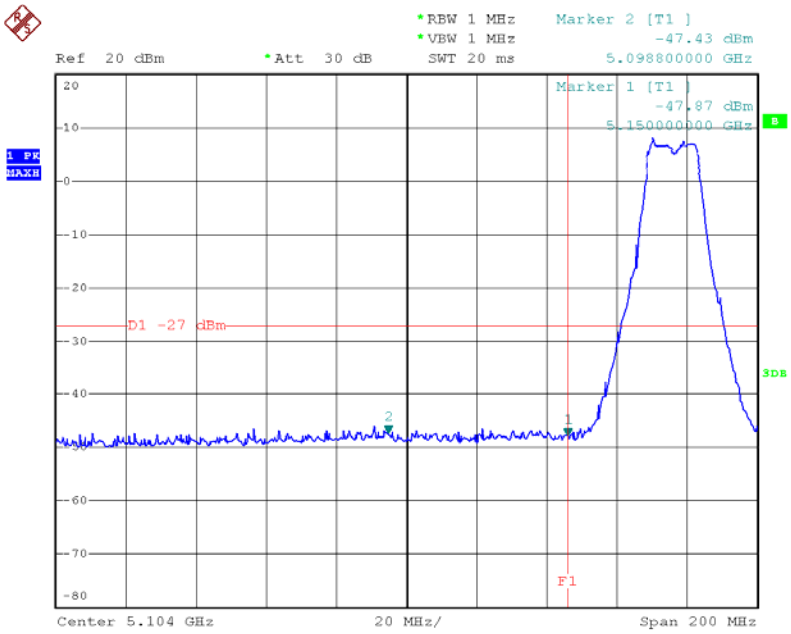
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.6 TEST RESULTS

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX A Mode/ CH36, CH40, CH48		

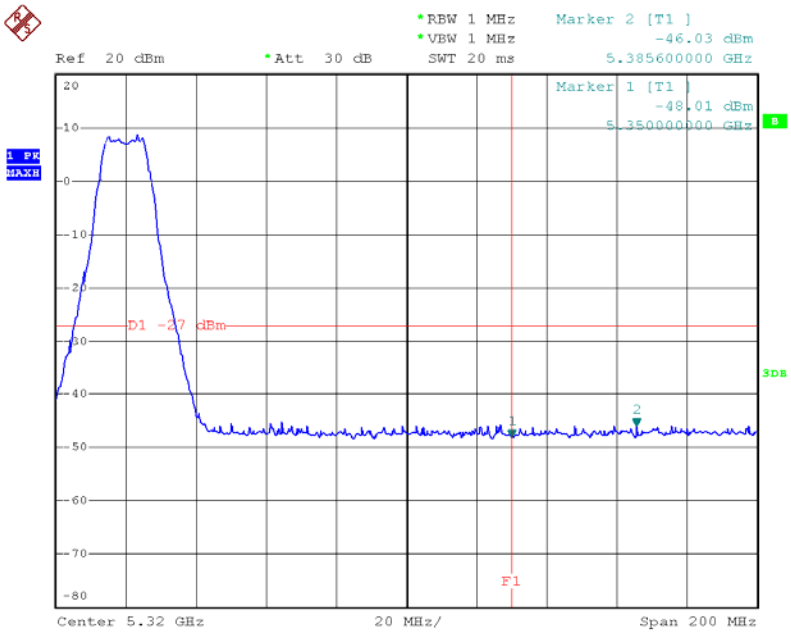
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5098.80	-47.43	5385.60	-46.03
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



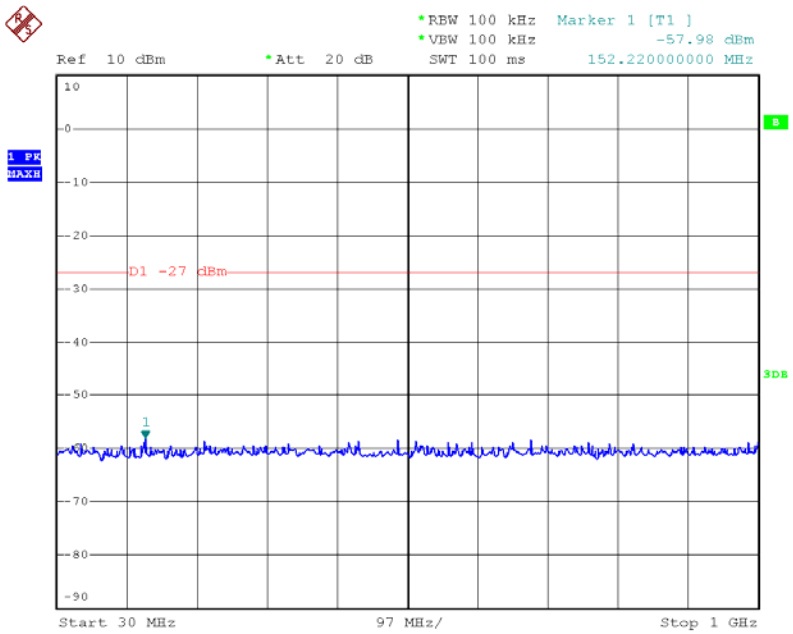
Date: 17.APR.2012 20:10:25

TX mode CH48



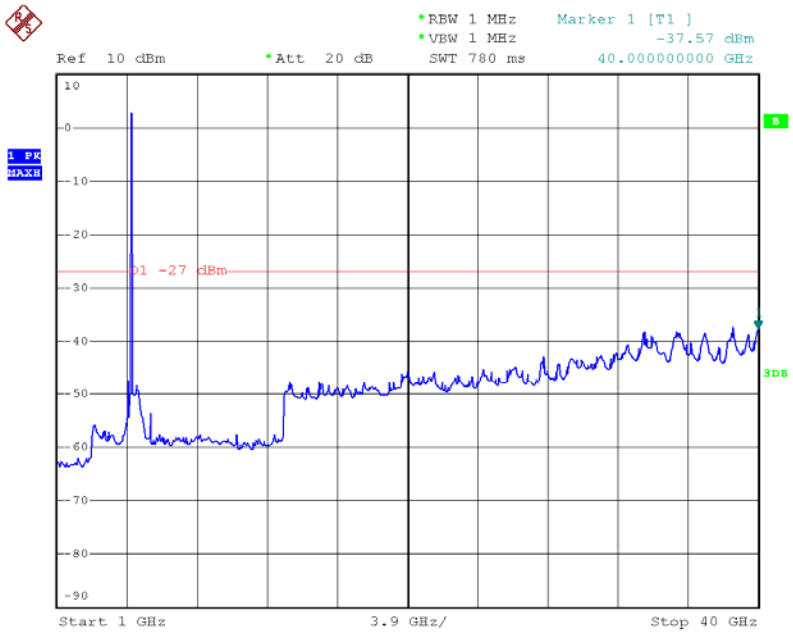
Date: 17.APR.2012 20:38:35

TX mode CH36 (30M~1000MHz)



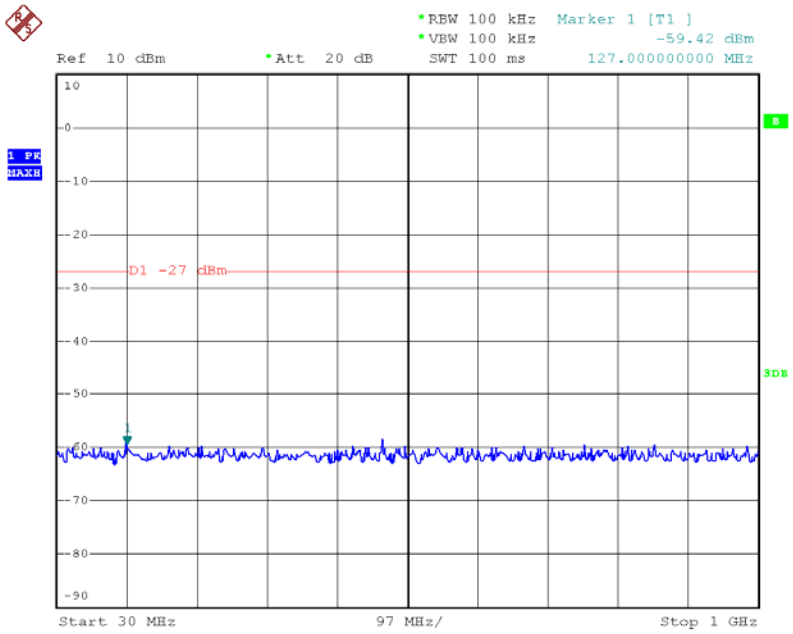
Date: 17.APR.2012 20:08:43

TX mode CH36 (1000MHz~10th Harmonic)



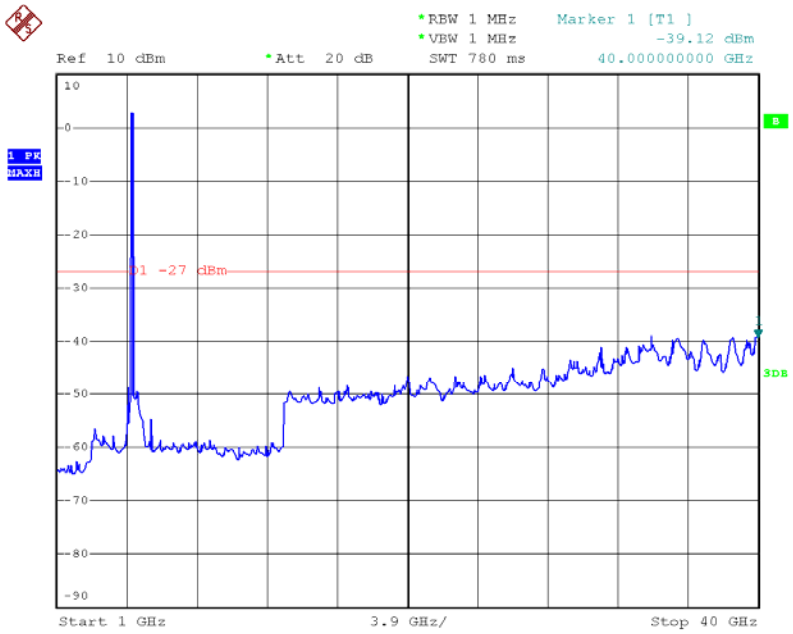
Date: 17.APR.2012 20:08:10

TX mode CH40(30M~1000MHz)



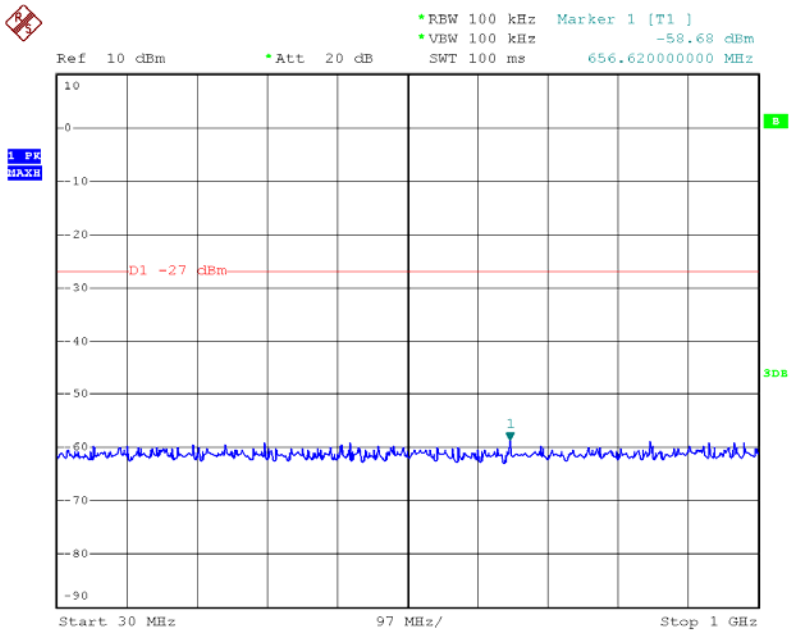
Date: 17.APR.2012 20:15:58

TX mode CH40 (1000MHz~10th Harmonic)



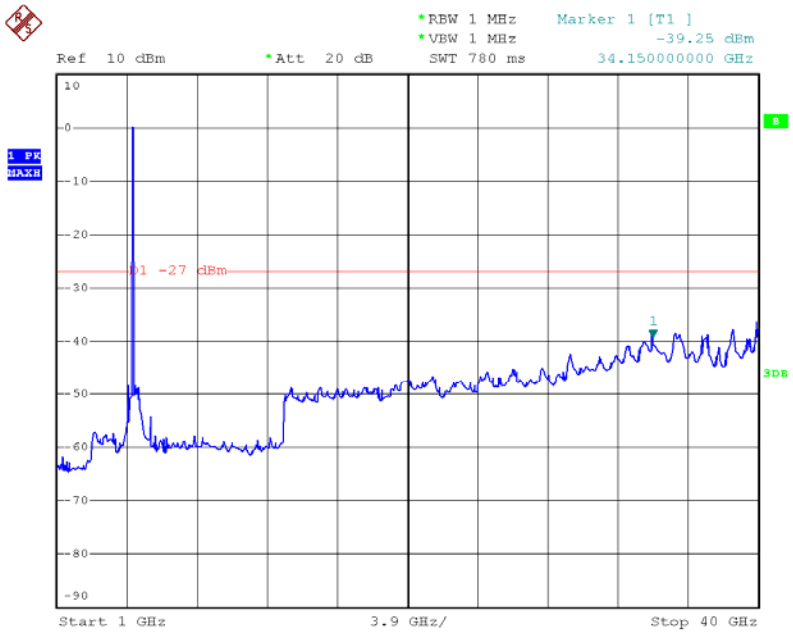
Date: 17.APR.2012 20:15:36

TX mode CH48(30M~1000MHz)



Date: 17.APR.2012 20:40:15

TX mode CH48 (1000MHz~10th Harmonic)

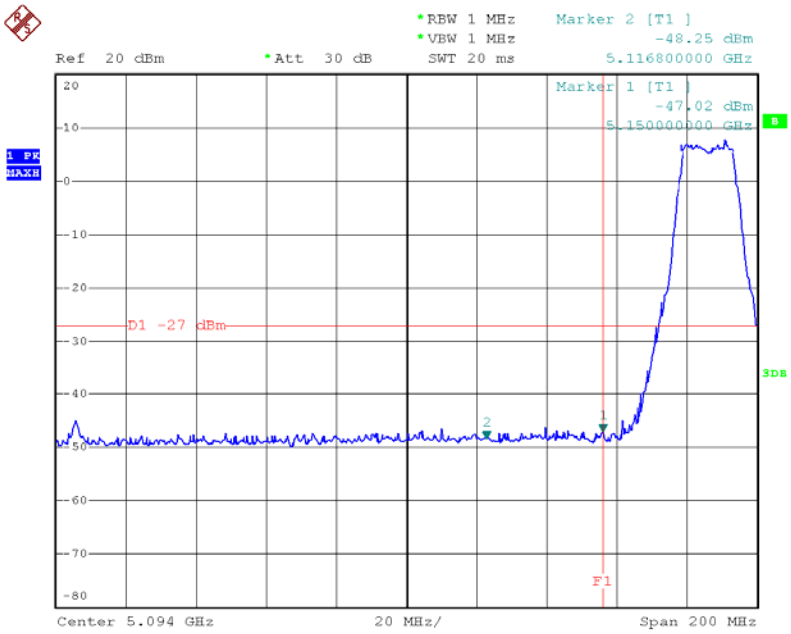


Date: 17.APR.2012 20:39:55

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N20 Mode/ H36, CH40 , CH48 (ANT 1)		

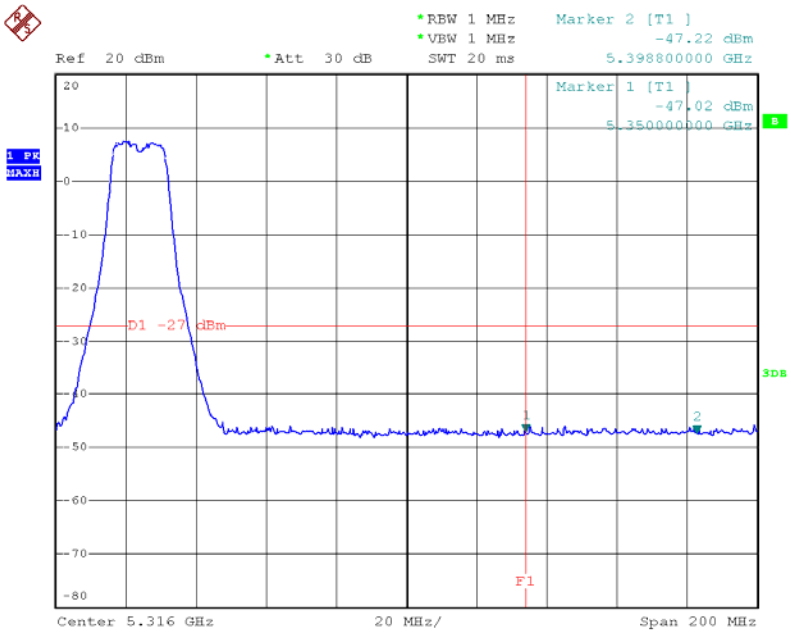
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-47.02	5350.00	-47.02
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



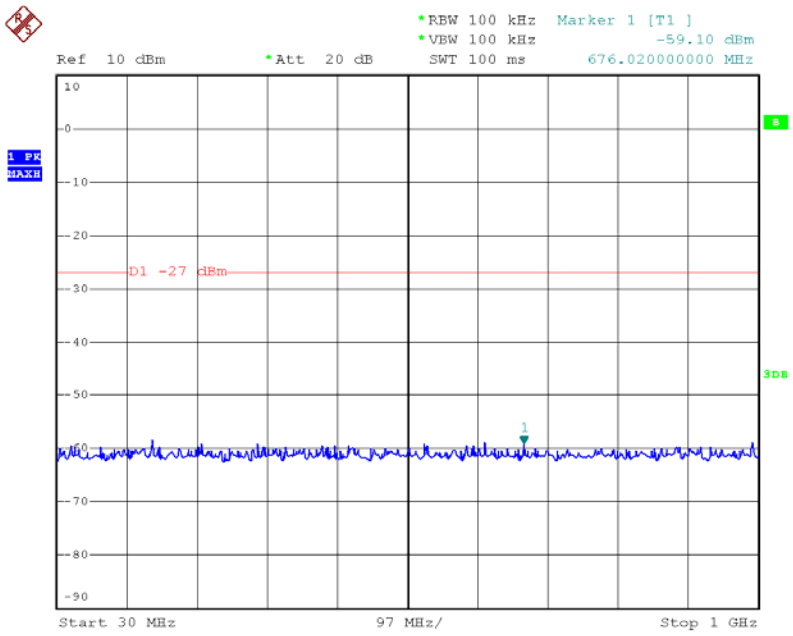
Date: 17.APR.2012 21:14:41

TX mode CH48



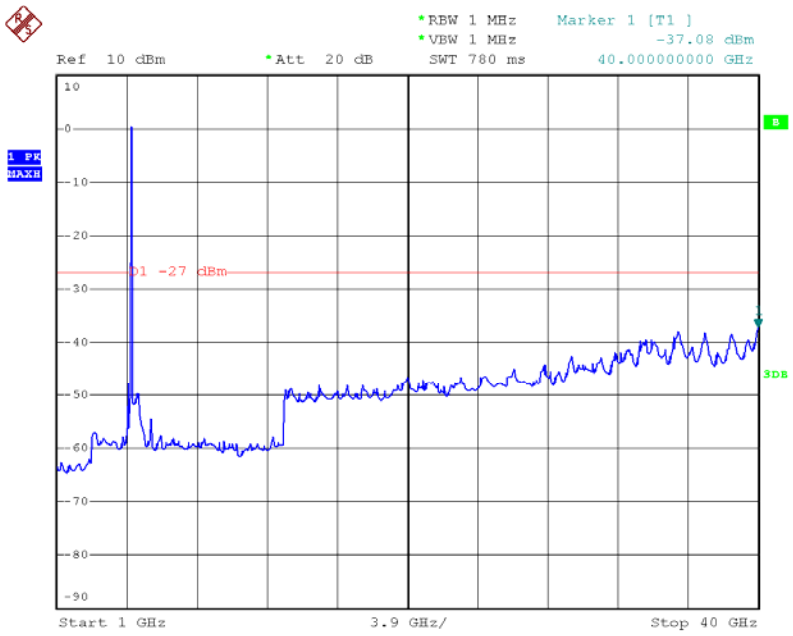
Date: 17.APR.2012 20:54:00

TX mode CH36 (30M~1000MHz)



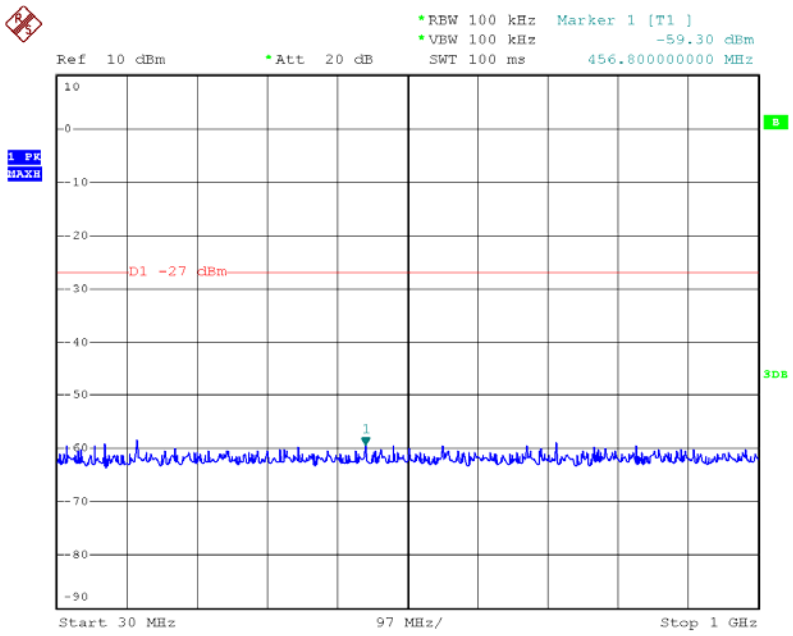
Date: 17.APR.2012 21:17:48

TX mode CH36 (1000MHz~10th Harmonic)



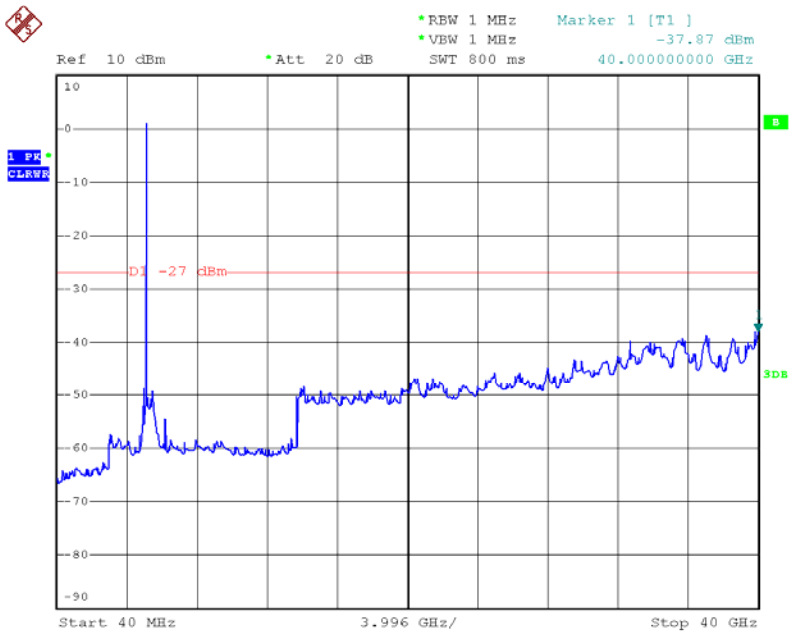
Date: 17.APR.2012 21:18:09

TX mode CH40(30M~1000MHz)



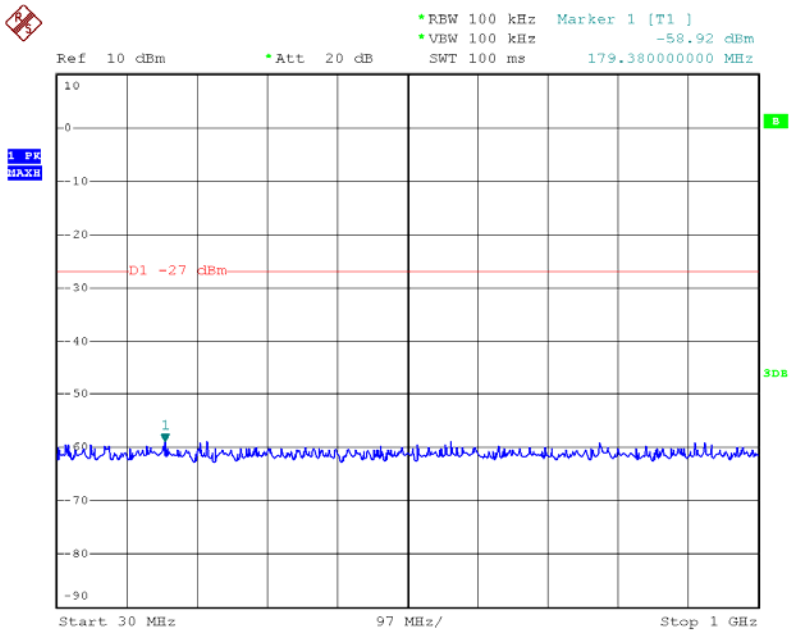
Date: 17.APR.2012 21:05:19

TX mode CH40 (1000MHz~10th Harmonic)



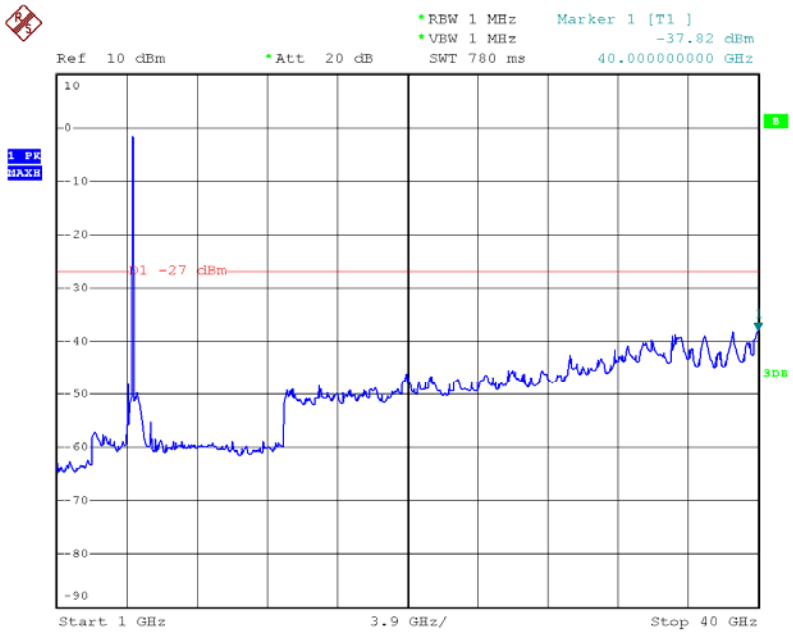
Date: 17.APR.2012 21:05:05

TX mode CH48(30M~1000MHz)



Date: 17.APR.2012 20:49:37

TX mode CH48 (1000MHz~10th Harmonic)

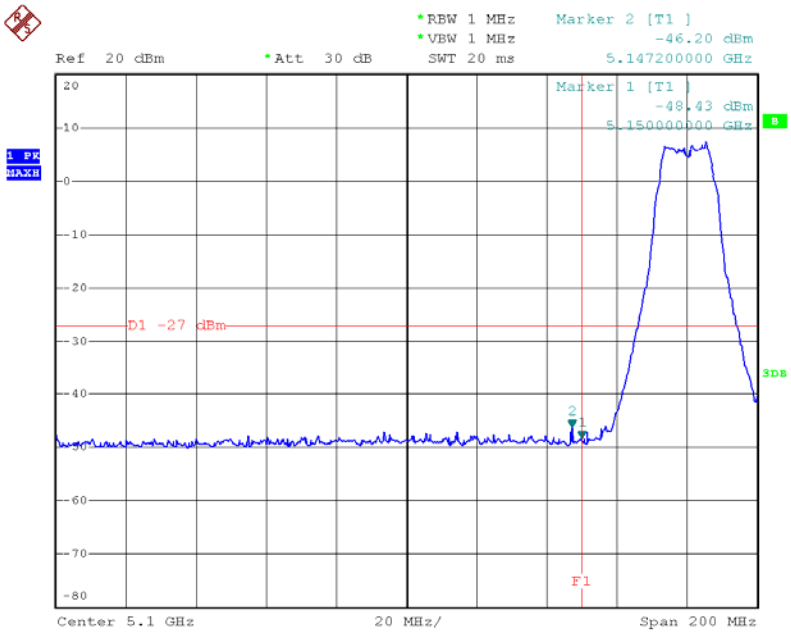


Date: 17.APR.2012 20:49:57

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N20 Mode/ H36, CH40 , CH48 (ANT 2)		

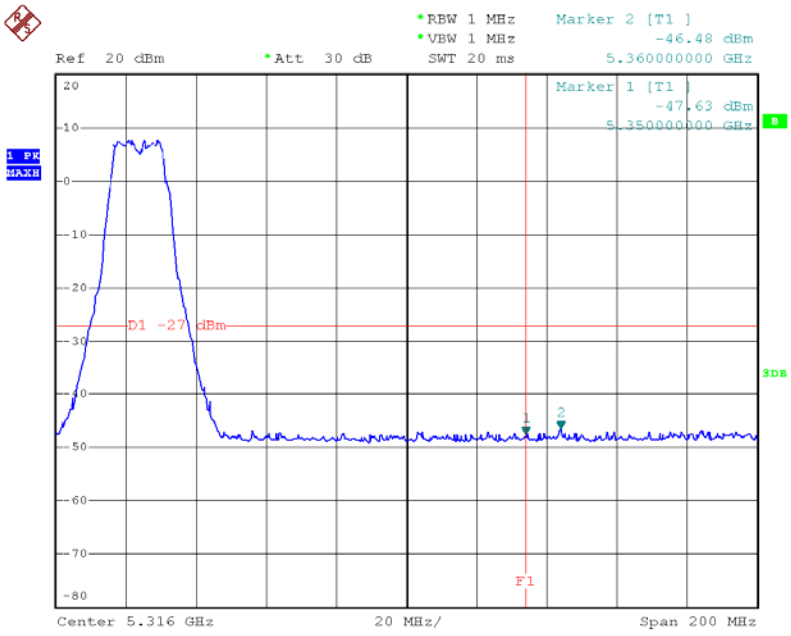
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5147.20	-46.20	5360.00	-46.48
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



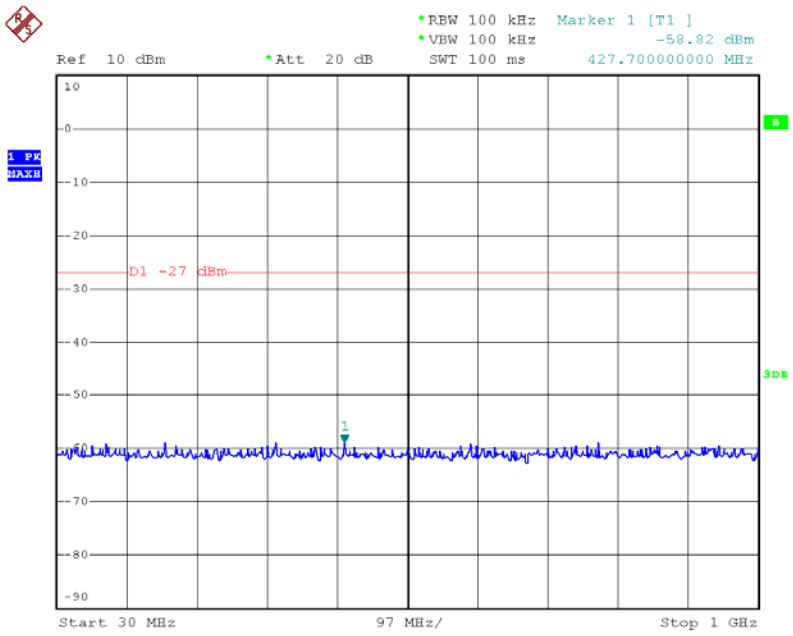
Date: 17.APR.2012 21:25:26

TX mode CH48



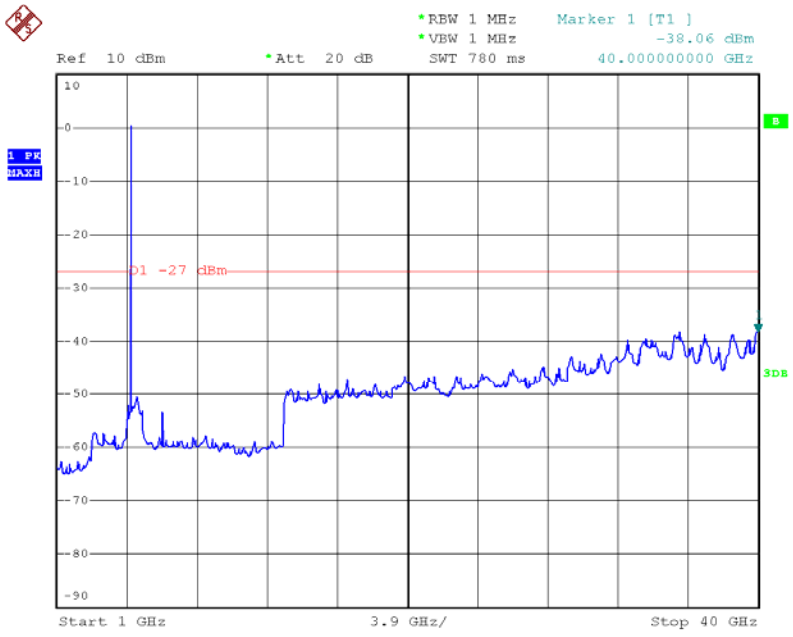
Date: 17.APR.2012 21:33:22

TX mode CH36 (30M~1000MHz)



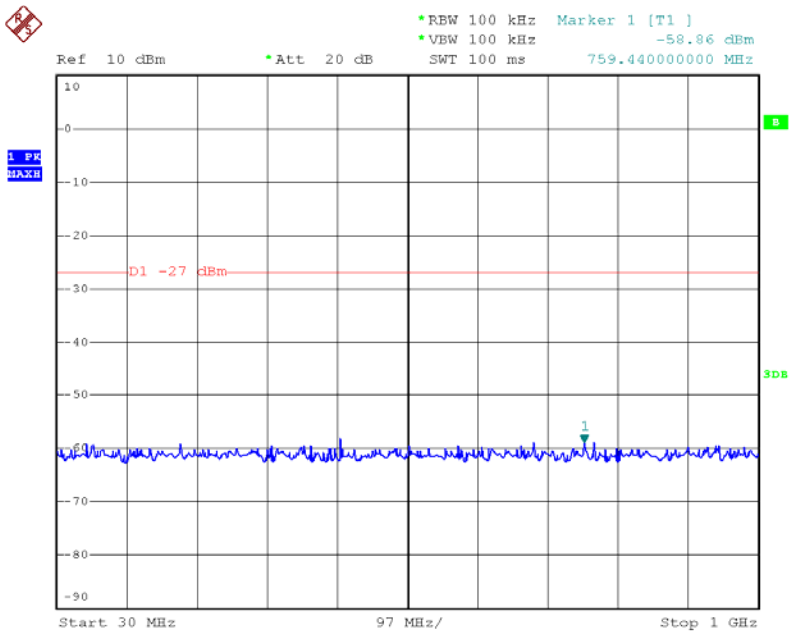
Date: 17.APR.2012 21:27:05

TX mode CH36 (1000MHz~10th Harmonic)



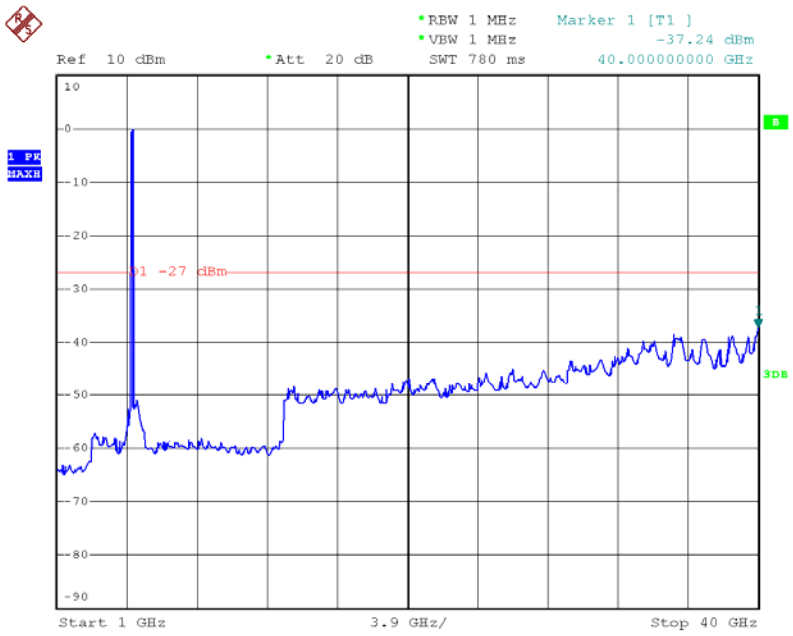
Date: 17.APR.2012 21:26:06

TX mode CH40(30M~1000MHz)



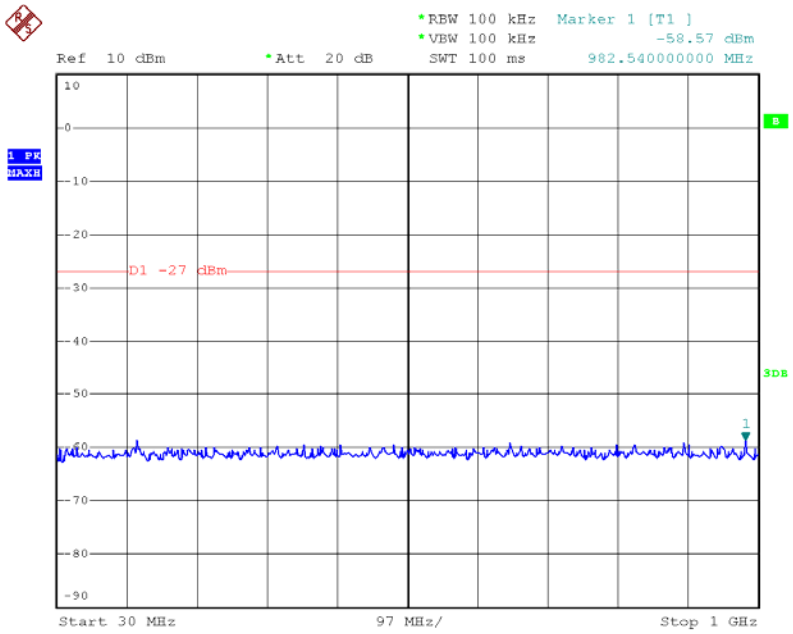
Date: 17.APR.2012 21:29:26

TX mode CH40 (1000MHz~10th Harmonic)



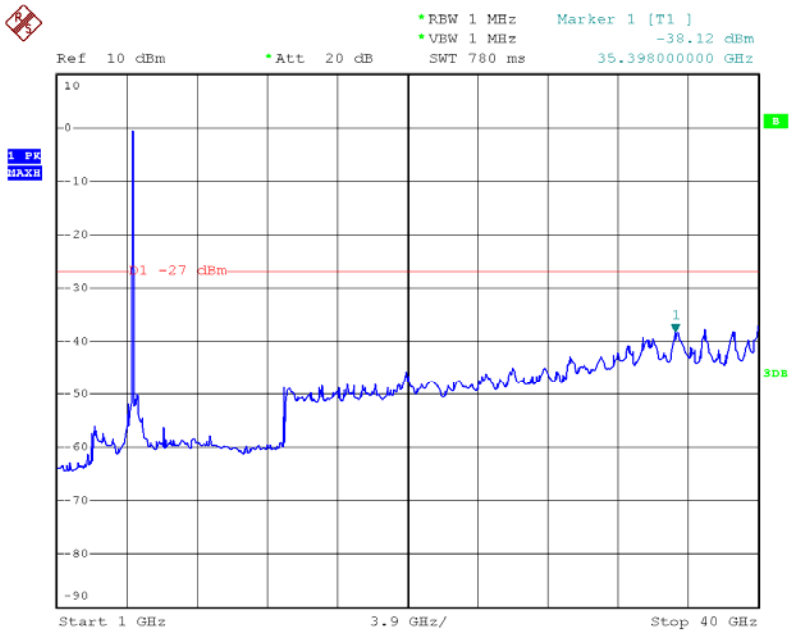
Date: 17.APR.2012 21:29:43

TX mode CH48(30M~1000MHz)



Date: 17.APR.2012 21:32:03

TX mode CH48 (1000MHz~10th Harmonic)

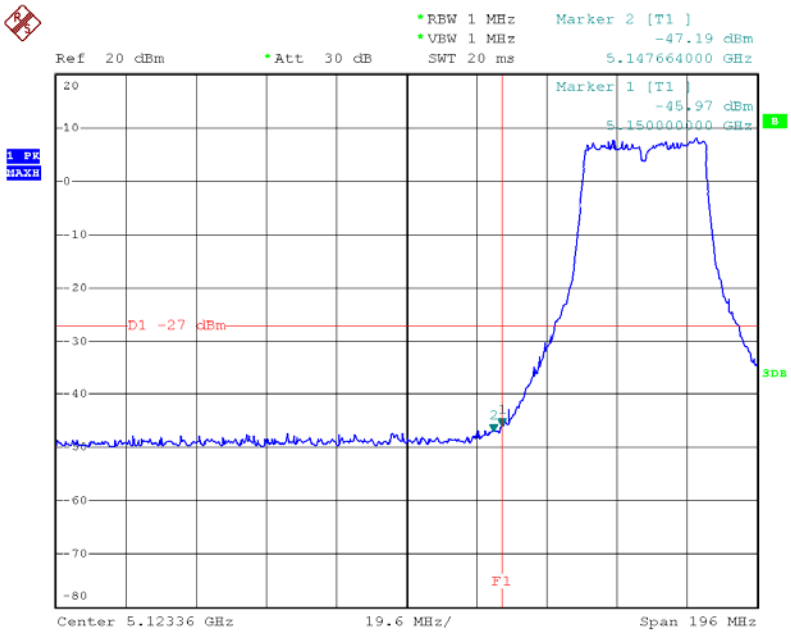


Date: 17.APR.2012 21:31:38

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N40 Mode/ CH38, CH46 (ANT 1)		

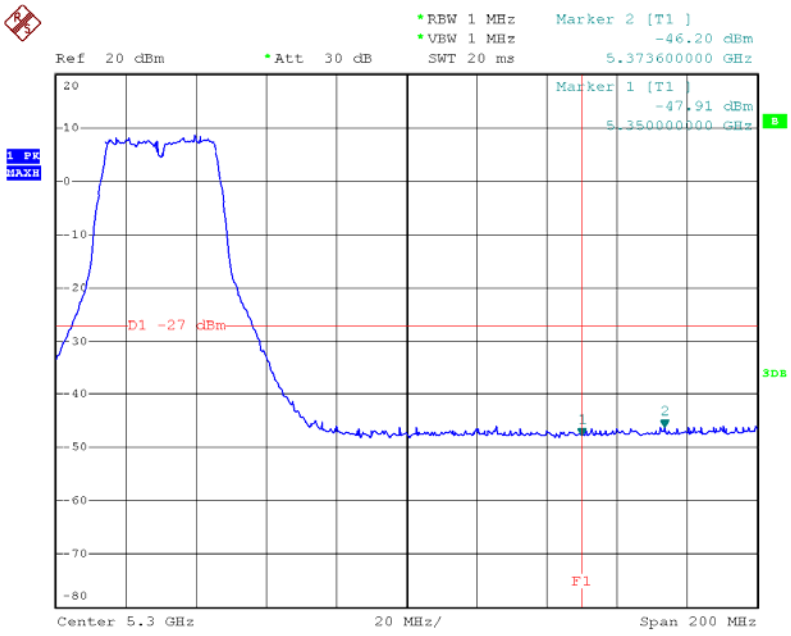
Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-45.97	5373.6	-46.20
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH38



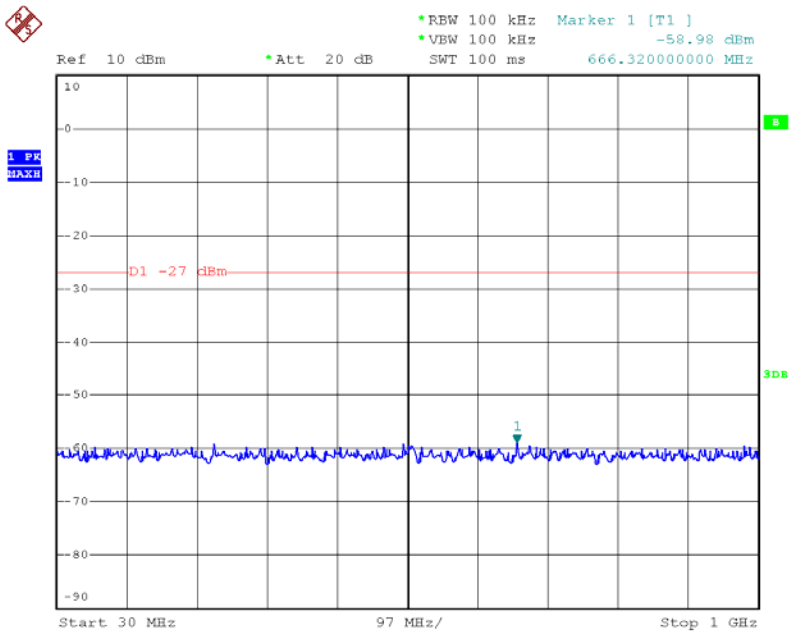
Date: 17.APR.2012 22:15:50

TX mode CH46



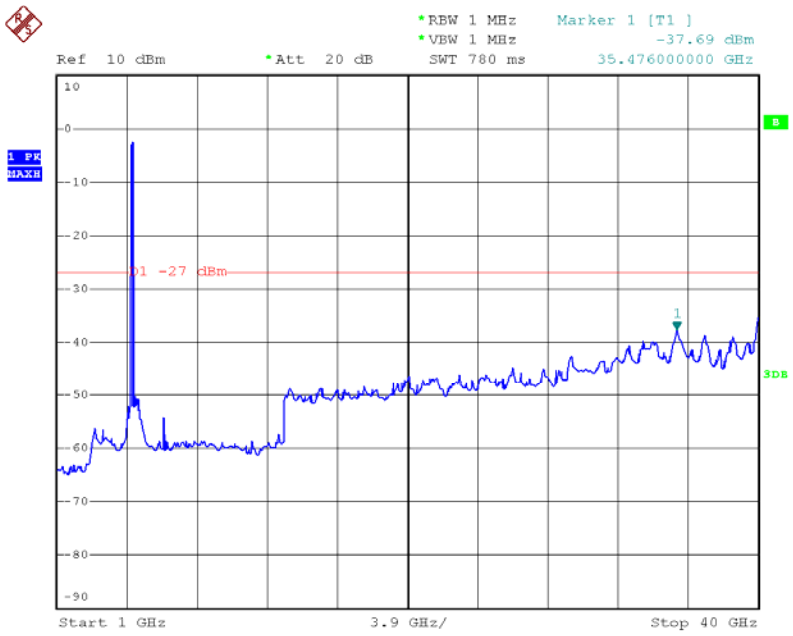
Date: 17.APR.2012 22:04:53

TX mode CH38 (30M~1000MHz)



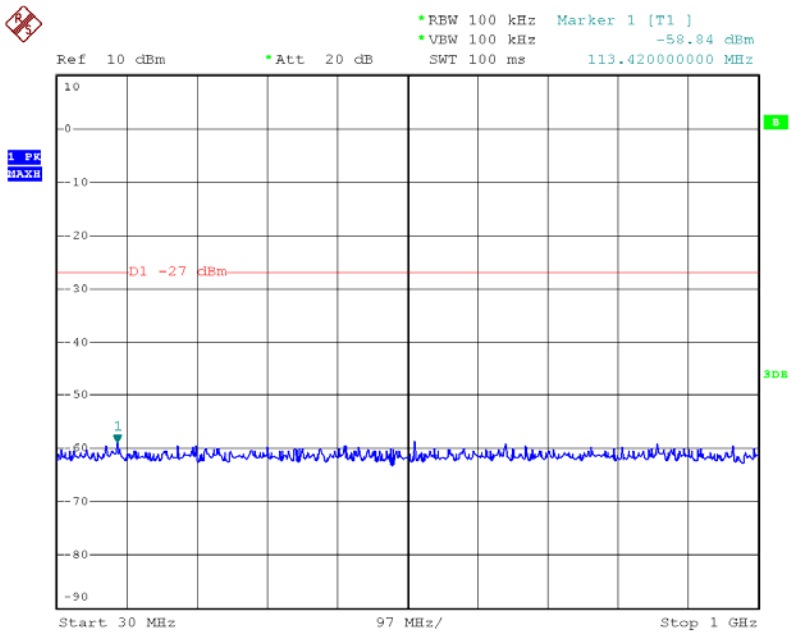
Date: 17.APR.2012 22:13:48

TX mode CH38 (1000MHz~10th Harmonic)



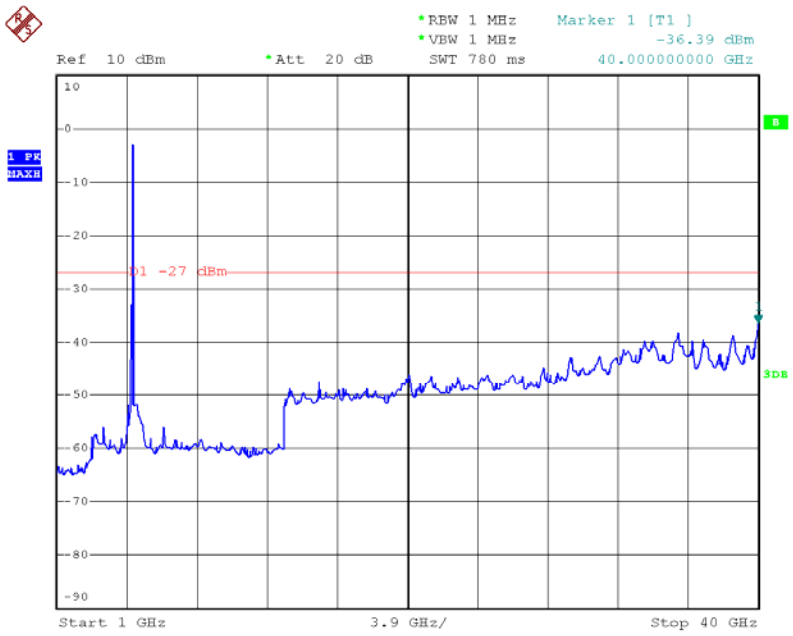
Date: 17.APR.2012 22:14:13

TX mode CH46(30M~1000MHz)



Date: 17.APR.2012 22:07:53

TX mode CH46 (1000MHz~10th Harmonic)

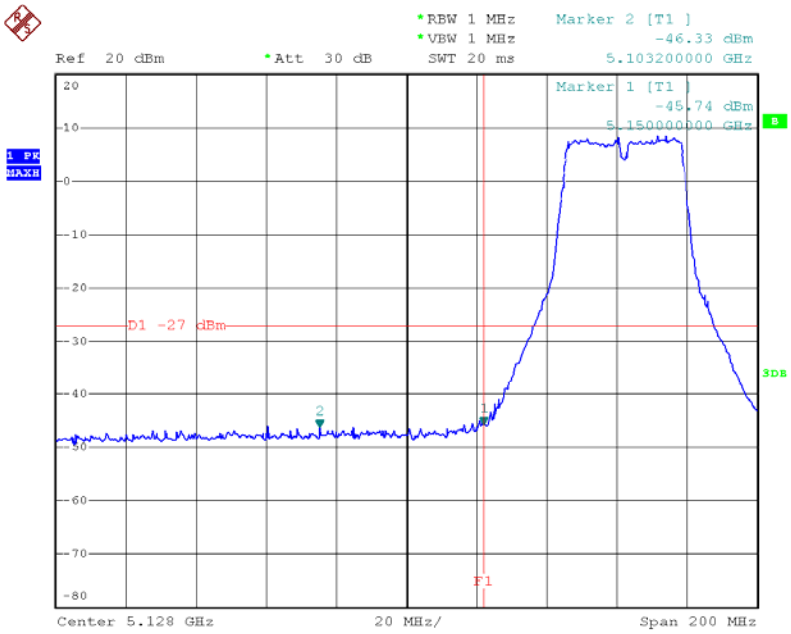


Date: 17.APR.2012 22:07:25

EUT：	Wireless LAN Access Point	Model Name ：	AP6010DN-AGN
Temperature：	25°C	Relative Humidity：	58 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	Band 1/TX N40 Mode/ CH38, CH46 (ANT 2)		

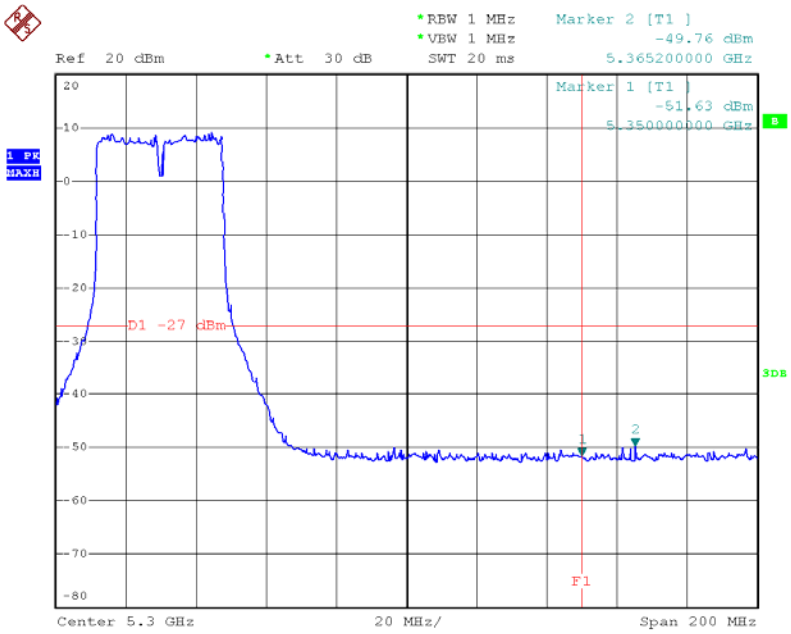
Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5103.20	-46.33	5365.20	-49.76
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH38



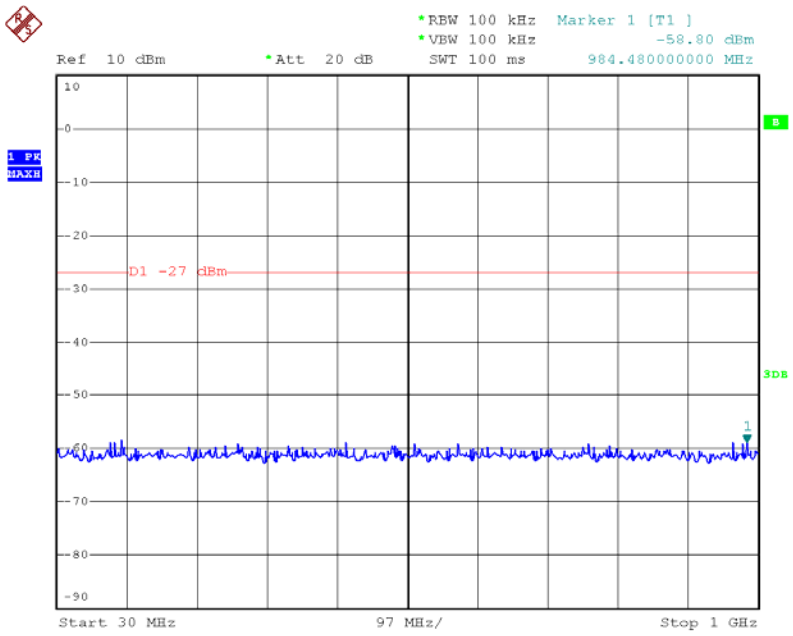
Date: 17.APR.2012 21:42:55

TX mode CH46



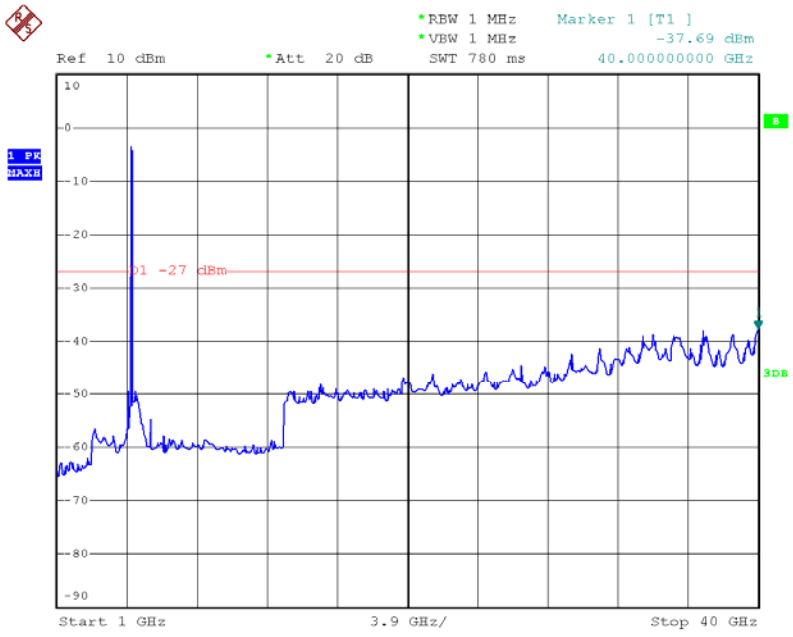
Date: 17.APR.2012 21:59:39

TX mode CH38 (30M~1000MHz)



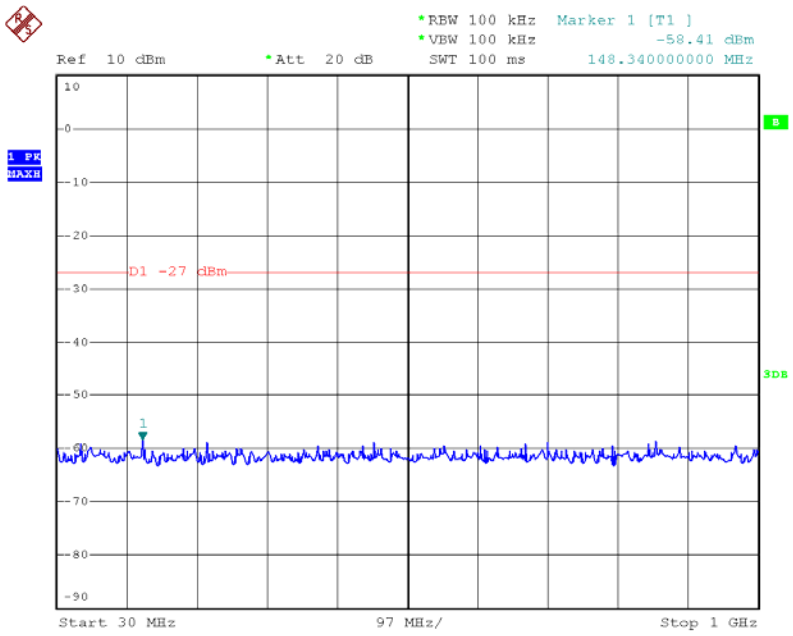
Date: 17.APR.2012 21:47:24

TX mode CH38 (1000MHz~10th Harmonic)



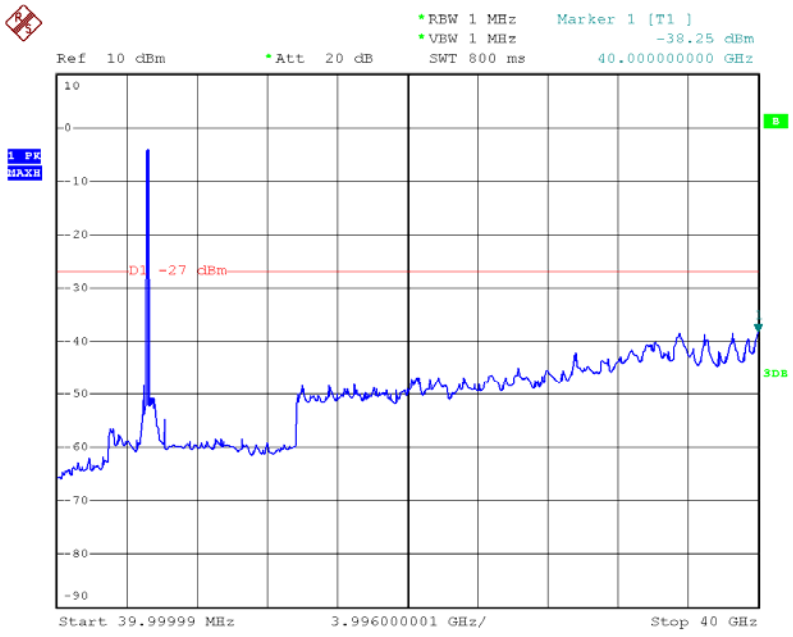
Date: 17.APR.2012 21:47:44

TX mode CH46(30M~1000MHz)



Date: 17.APR.2012 21:51:26

TX mode CH46 (1000MHz~10th Harmonic)



Date: 17.APR.2012 21:51:12