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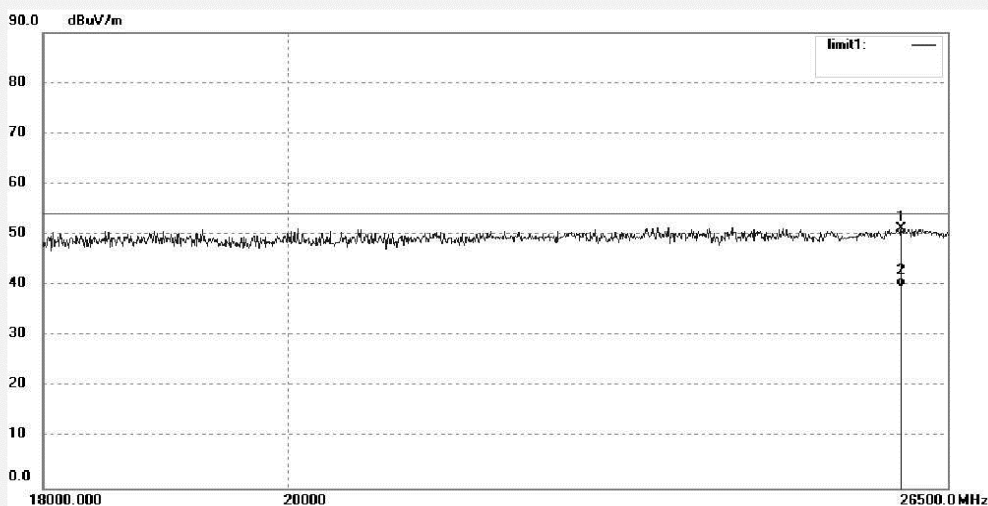
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1154
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5785MHz
Model: R123
Manufacturer: Lenovo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/04/28/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25981.371	33.93	17.25	51.18	74.00	-22.82	peak			
2	25981.371	22.54	17.25	39.79	54.00	-14.21	AVG			

EMI Sweep(1)

1 / 1

Radiated Emission

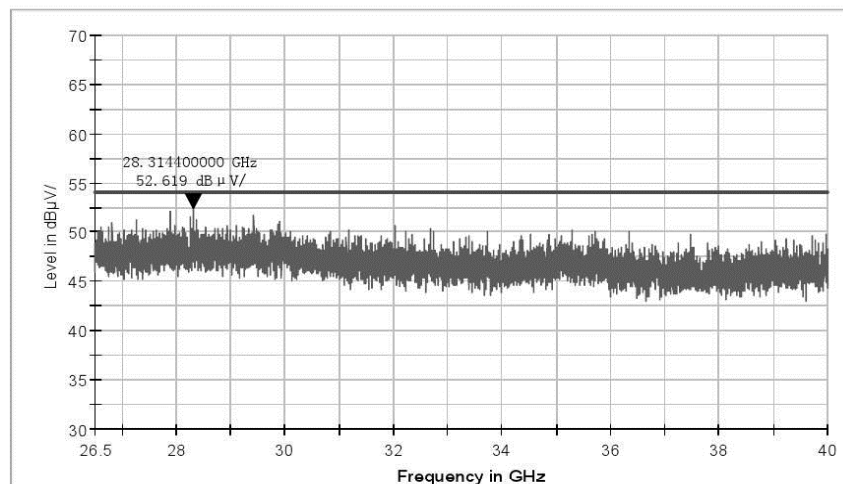
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5785MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT20

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



EMI Sweep(1)

1 / 1

Radiated Emission

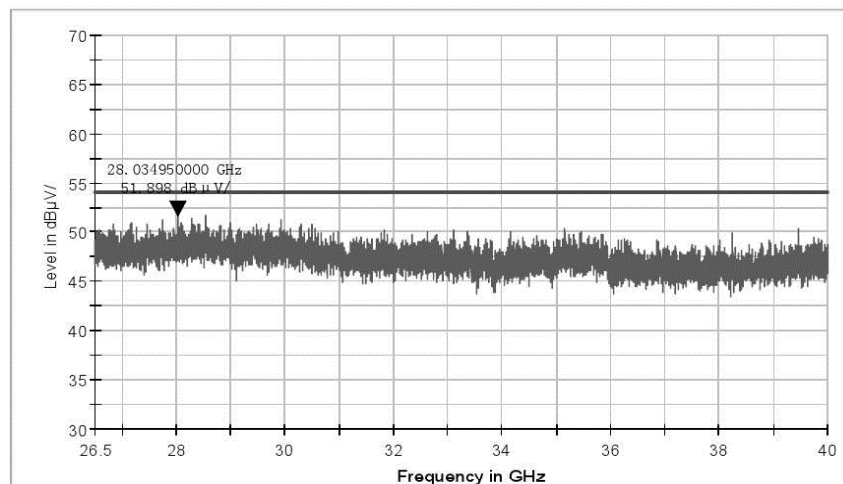
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5785MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT20

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



CH165

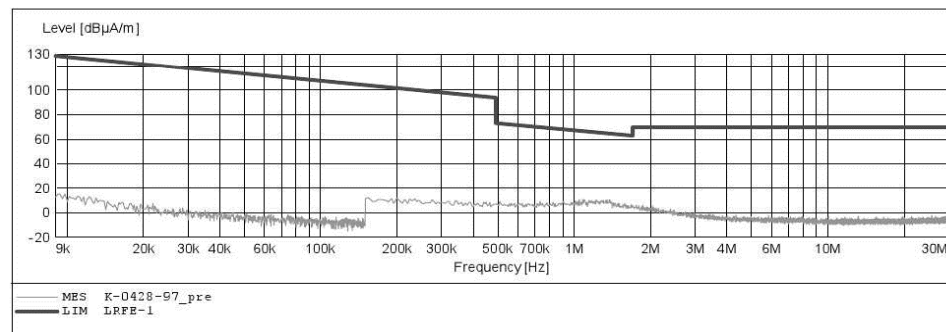
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FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5825MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: X
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



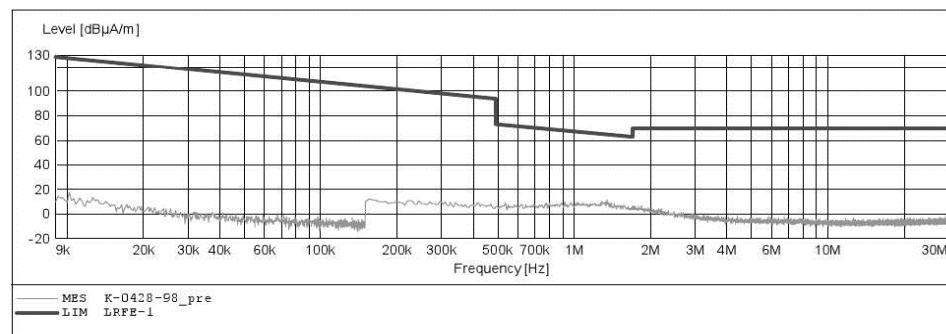
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5825MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Y
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



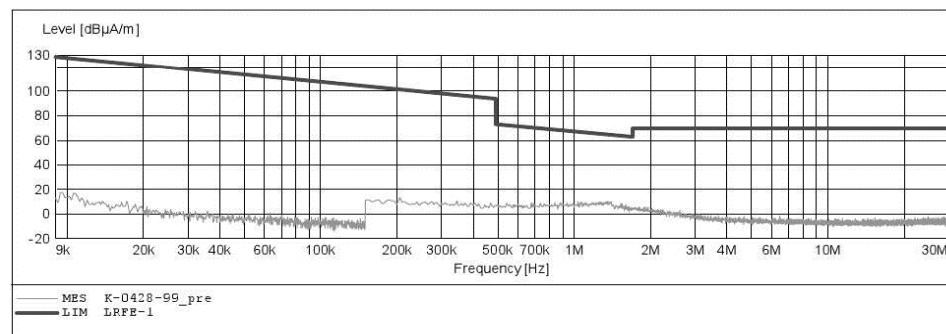
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5825MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Z
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



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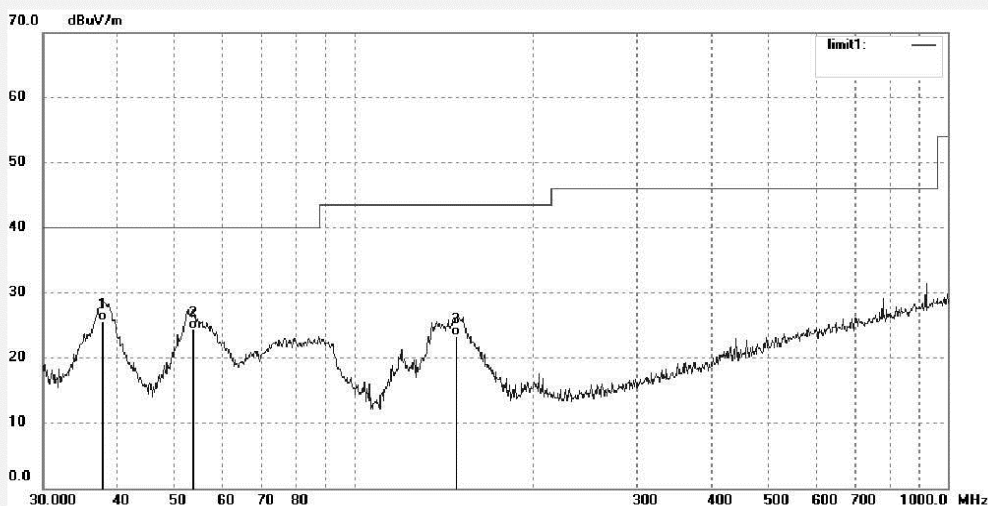
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #825
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5825MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/21/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	37.8121	36.74	-11.05	25.69	40.00	-14.31	QP			
2	53.6931	37.22	-12.88	24.34	40.00	-15.66	QP			
3	148.4410	38.57	-15.18	23.39	43.50	-20.11	QP			

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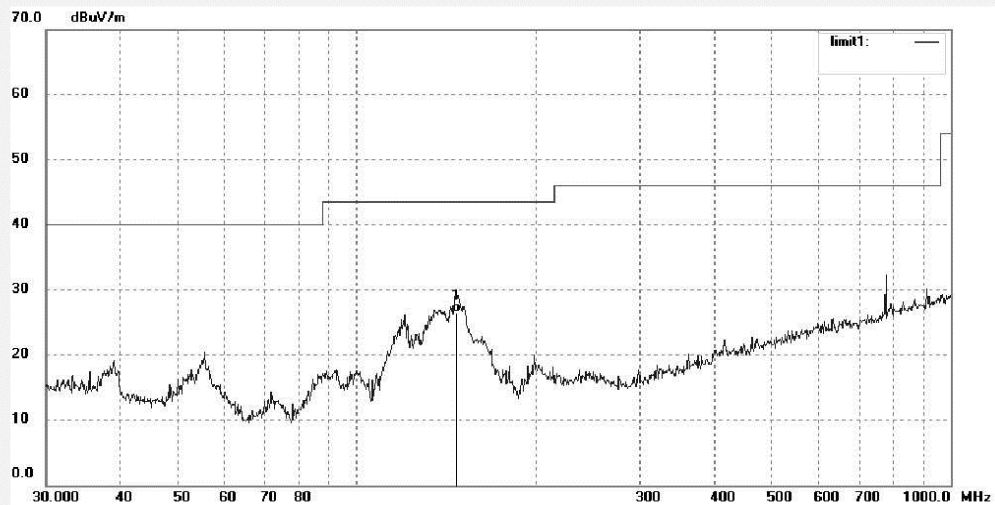


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #826	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5825MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT20	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	147.4036	41.72	-15.20	26.52	43.50	-16.98	QP			

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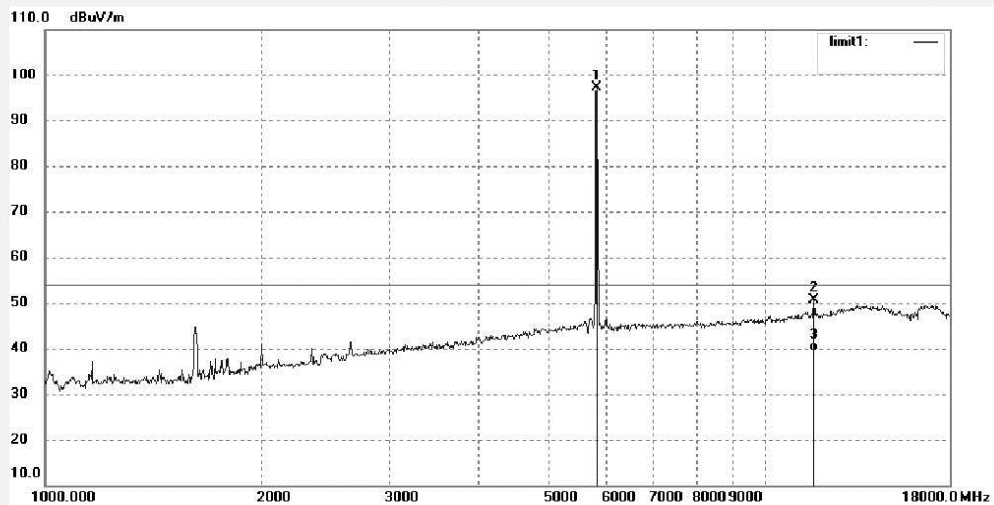


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #536	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5825MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT20	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5825.000	95.09	1.97	97.06	/	/	peak			
2	11650.029	39.80	10.95	50.75	74.00	-23.25	peak			
3	11650.029	28.55	10.95	39.50	54.00	-14.50	AVG			

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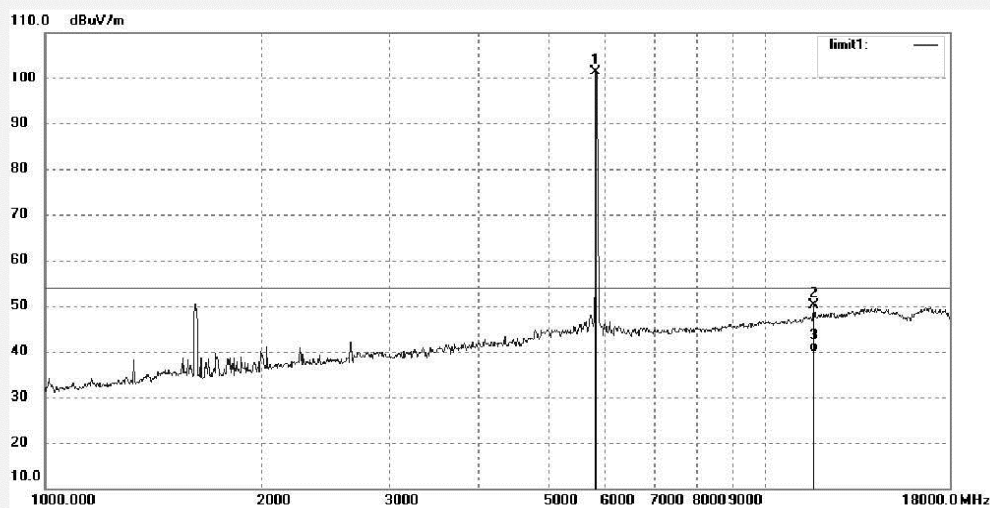
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #537
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5825MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/18/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5825.000	99.29	1.97	101.26	/	/	peak			
2	11650.214	39.11	10.95	50.06	74.00	-23.94	peak			
3	11650.214	28.84	10.95	39.79	54.00	-14.21	AVG			

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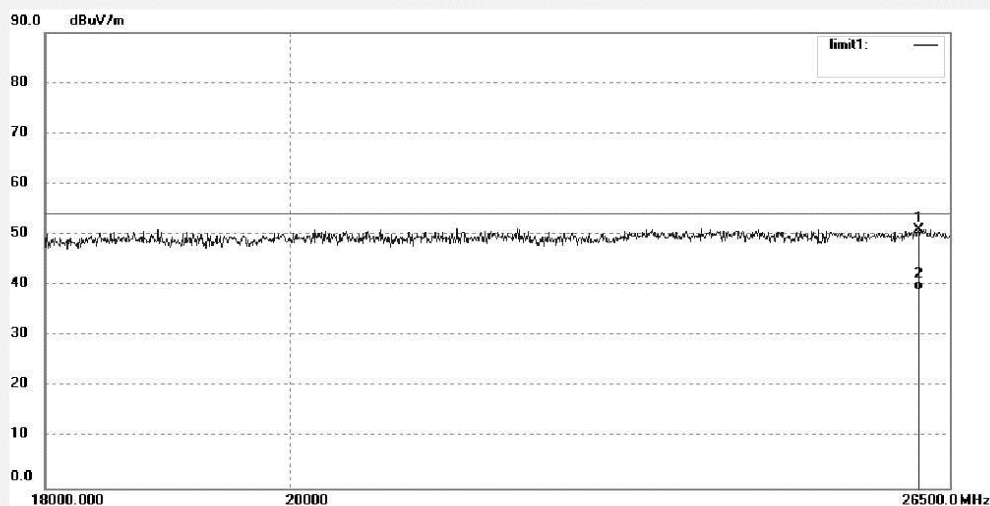
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1157
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5825MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/28/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26153.109	33.87	17.13	51.00	74.00	-23.00	peak			
2	26153.109	21.86	17.13	38.99	54.00	-15.01	AVG			

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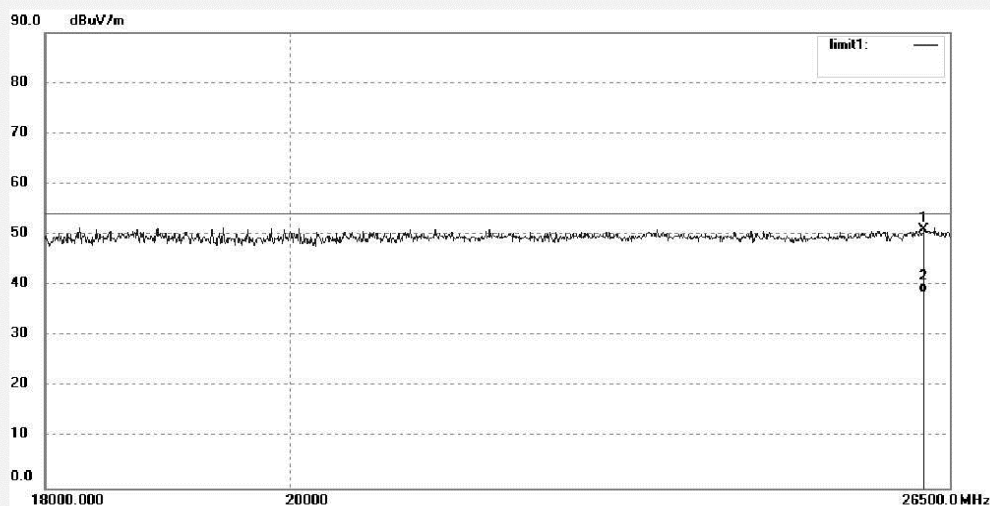
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1158
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5825MHz
Model: R123
Manufacturer: Lenovo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/04/28/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT20



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26213.994	33.81	17.09	50.90	74.00	-23.10	peak			
2	26213.994	21.44	17.09	38.53	54.00	-15.47	AVG			

EMI Sweep(1)

1 / 1

Radiated Emission

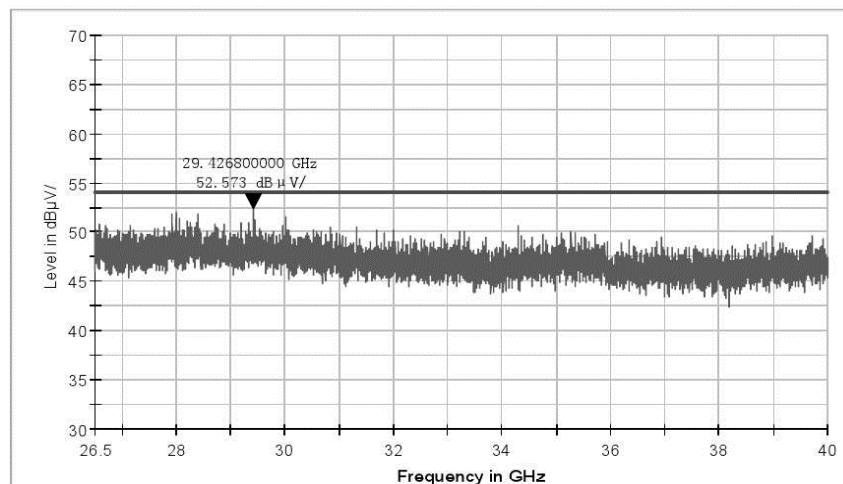
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5825MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT20

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



EMI Sweep(1)

1 / 1

Radiated Emission

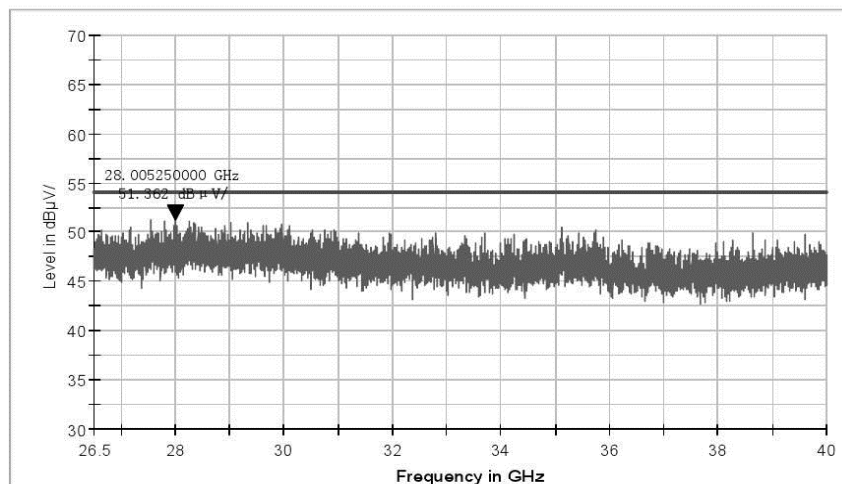
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5825MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT20

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



802.11n HT40
CH151

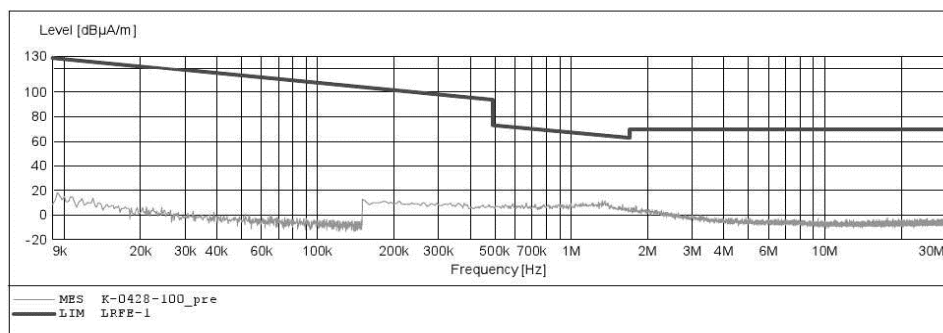
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FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5755MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: X
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



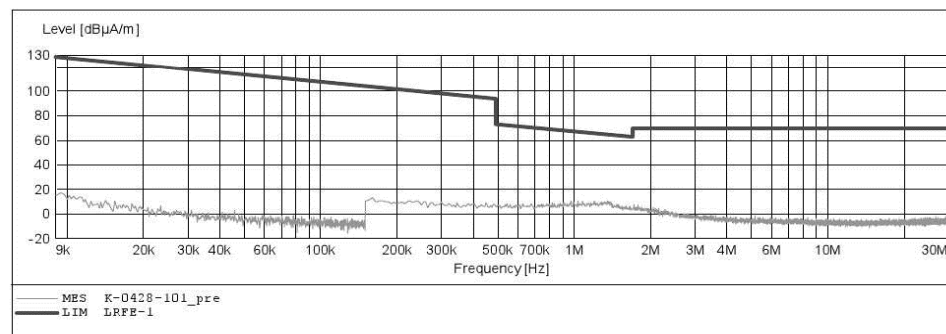
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5755MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Y
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



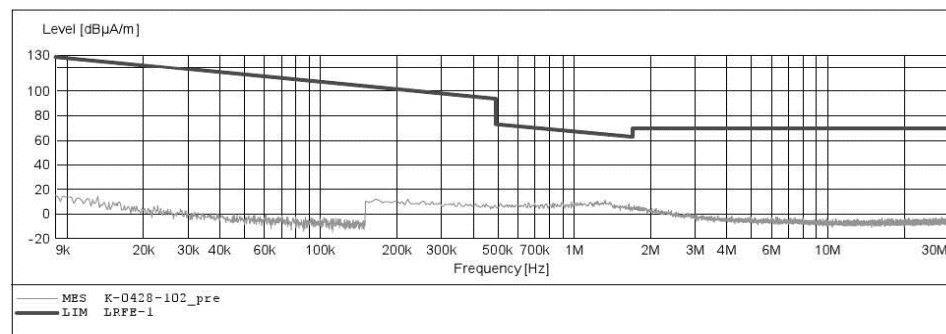
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5755MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Z
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



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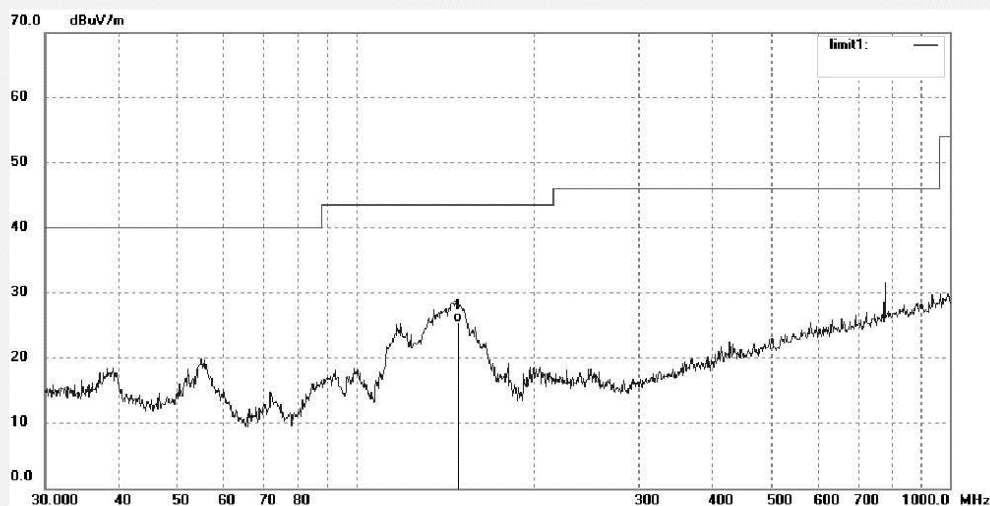


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #827	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5755MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT40	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	148.4410	40.61	-15.18	25.43	43.50	-18.07	QP			

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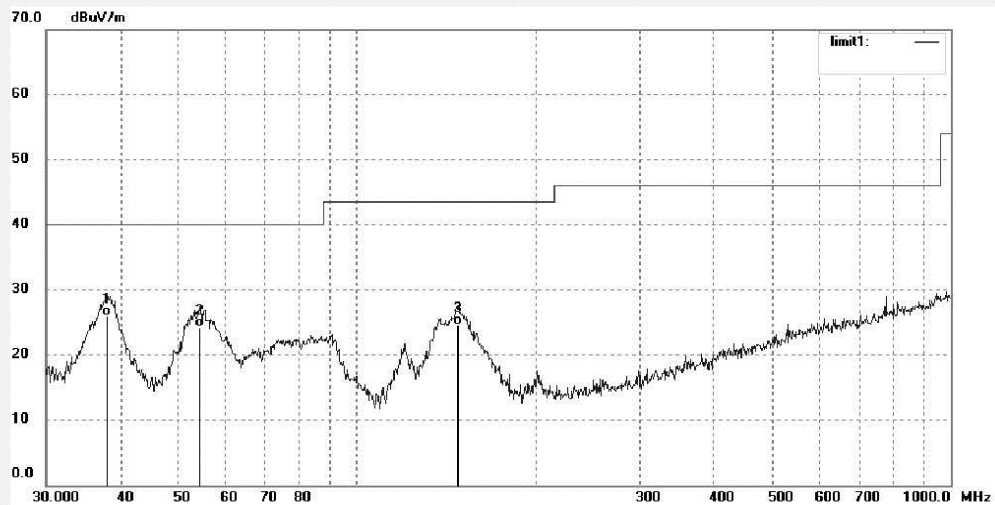


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #828	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5755MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT40	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	37.9450	37.03	-11.08	25.95	40.00	-14.05	QP			
2	54.4515	37.25	-12.94	24.31	40.00	-15.69	QP			
3	147.9214	39.79	-15.19	24.60	43.50	-18.90	QP			

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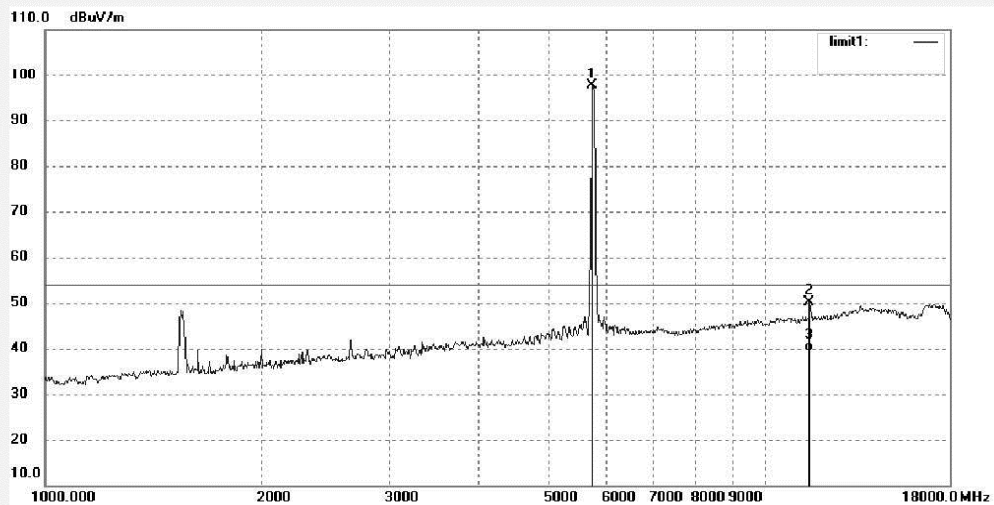
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #538
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5755MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/18/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5755.000	96.07	1.60	97.67	/	/	peak			
2	11510.320	39.69	10.55	50.24	74.00	-23.76	peak			
3	11510.320	28.90	10.55	39.45	54.00	-14.55	AVG			

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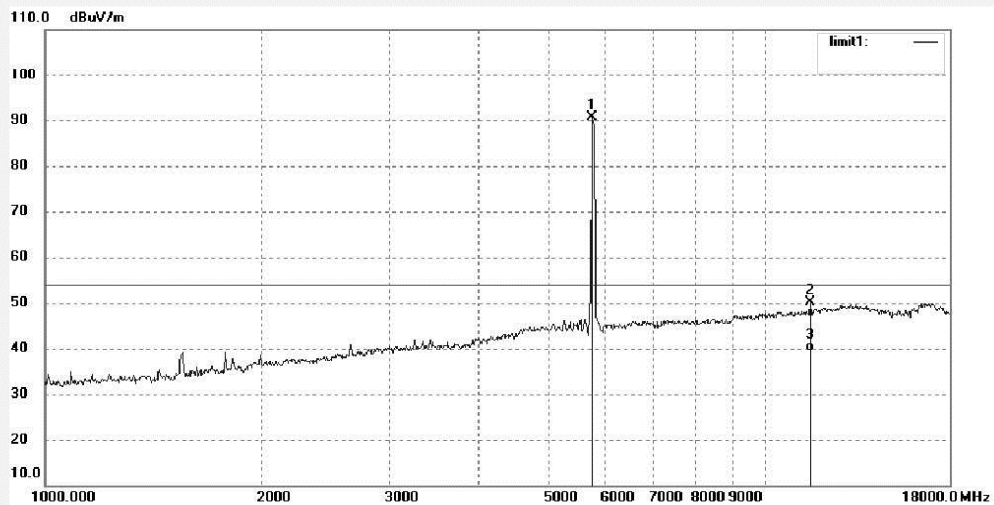
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #539
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5755MHz
Model: R123
Manufacturer: Lenovo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/04/18/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5755.000	88.98	1.60	90.58	/	/	peak			
2	11510.222	39.46	10.55	50.01	74.00	-23.99	peak			
3	11510.222	28.79	10.55	39.34	54.00	-14.66	AVG			

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ACCURATE TECHNOLOGY CO., LTD.

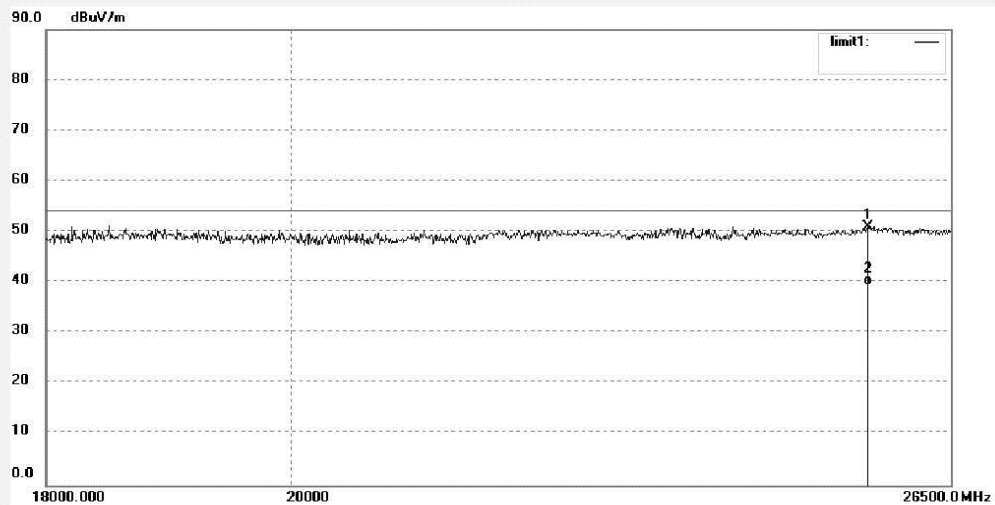
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1159
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5755MHz
Model: R123
Manufacturer: Lenovo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/04/28/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25581.715	34.45	16.50	50.95	74.00	-23.05	peak			
2	25581.715	22.88	16.50	39.38	54.00	-14.62	AVG			

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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1160

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ThinkPad Stack Wireless Access Point

Mode: TX 5755MHz

Model: R123

Manufacturer: Lenovo

Polarization: Vertical

Power Source: AC 120V/60Hz

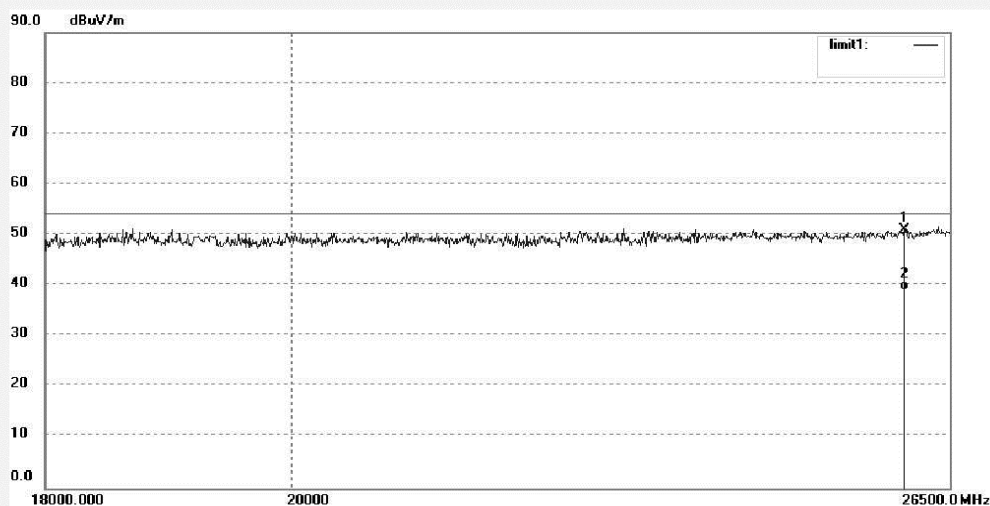
Date: 15/04/28/

Time:

Engineer Signature:

Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25991.442	34.37	16.50	50.87	74.00	-23.13	peak			
2	25991.442	22.65	16.50	39.15	54.00	-14.85	AVG			

EMI Sweep(1)

1 / 1

Radiated Emission

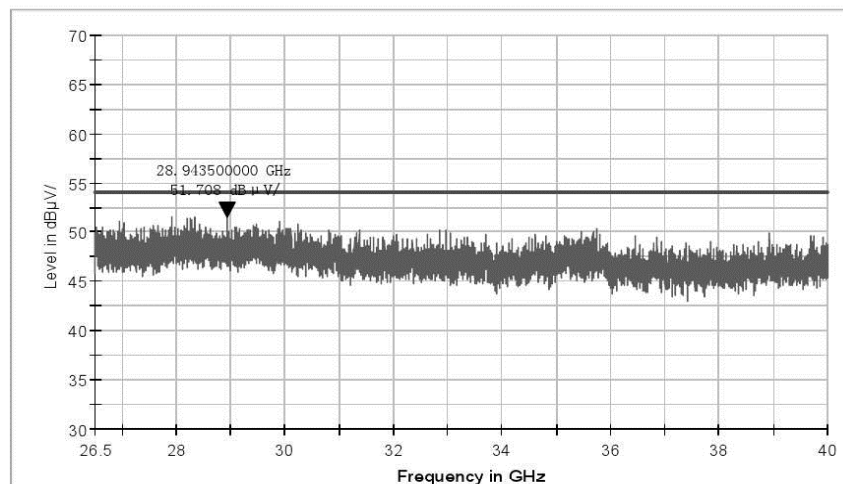
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5755MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT40

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



EMI Sweep(1)

1 / 1

Radiated Emission

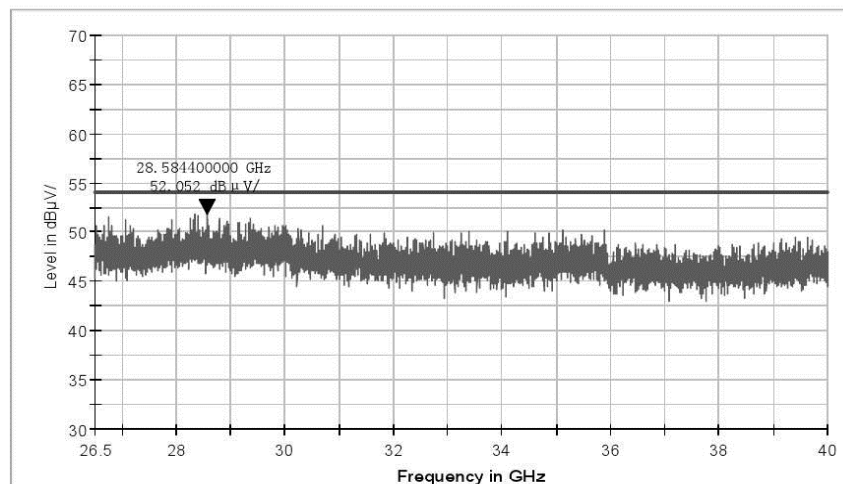
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5755MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT40

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



CH159

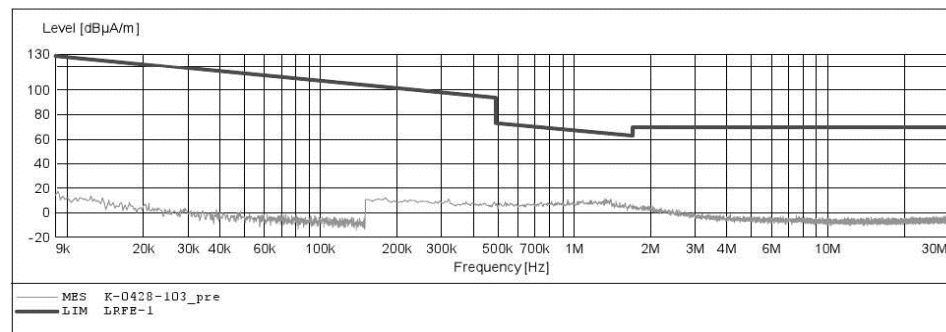
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FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5795MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: X
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



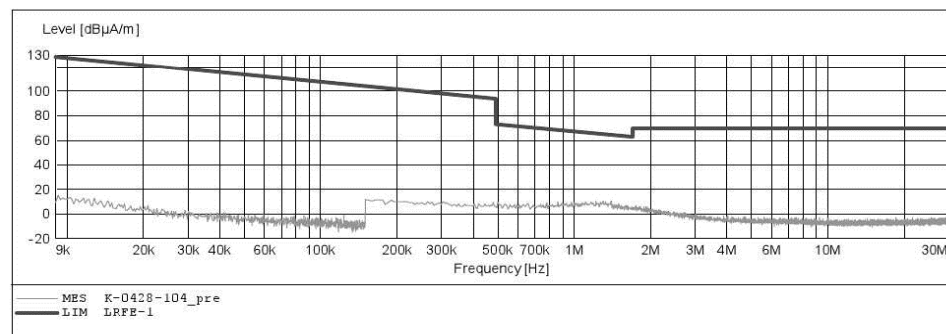
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5795MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Y
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



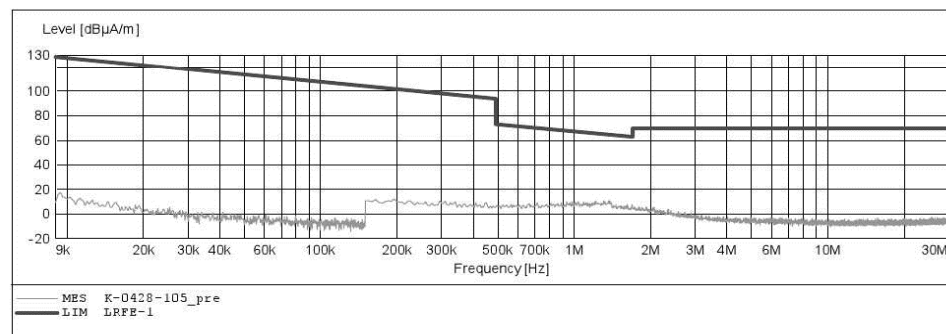
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5795MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Z
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



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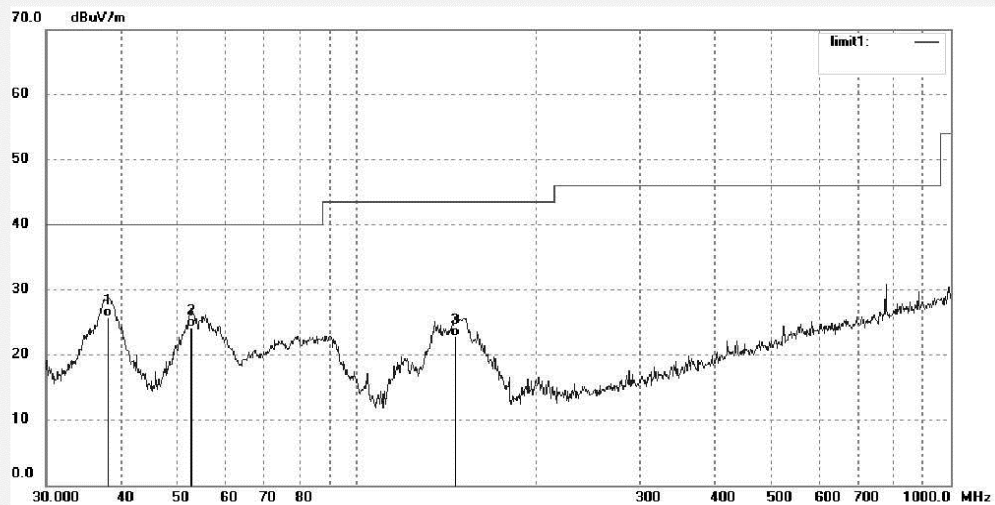


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #829	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5795MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT40	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.0782	36.99	-11.11	25.88	40.00	-14.12	QP			
2	52.7599	37.06	-12.81	24.25	40.00	-15.75	QP			
3	146.8874	38.09	-15.20	22.89	43.50	-20.61	QP			

Produkte
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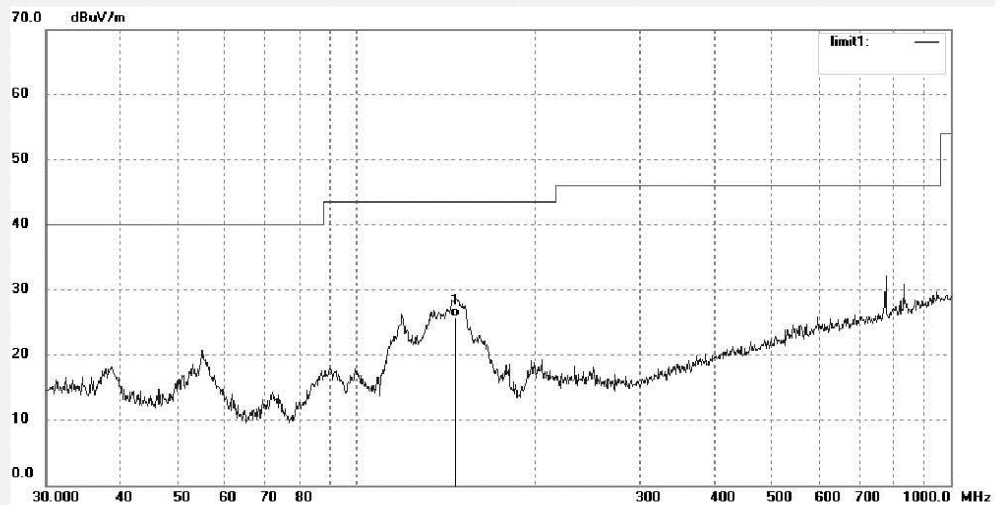


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #830	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5795MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT40	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	146.3735	41.01	-15.21	25.80	43.50	-17.70	QP			

Produkte
Products

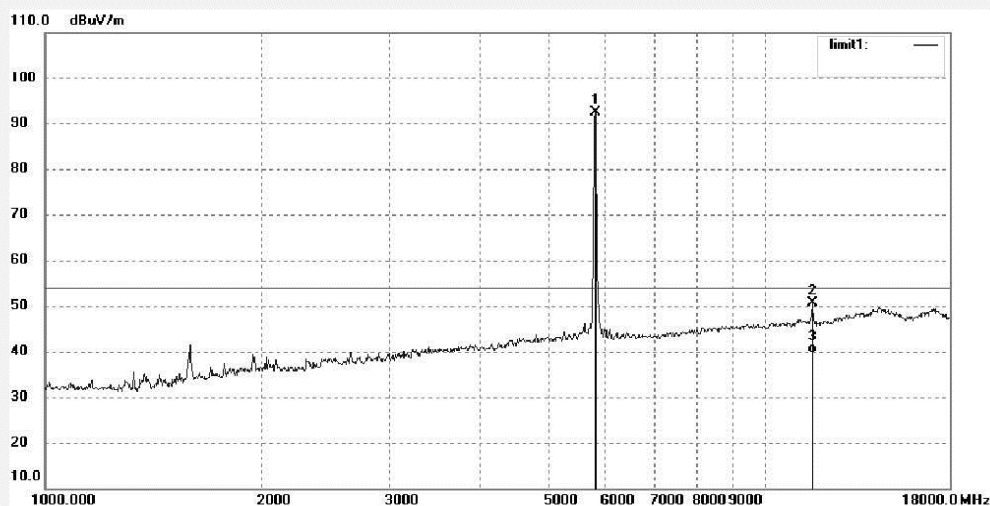


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #540	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5795MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11n HT40	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5795.000	90.46	1.93	92.39	/	/	peak			
2	11590.232	40.12	10.55	50.67	74.00	-23.33	peak			
3	11590.232	29.04	10.55	39.59	54.00	-14.41	AVG			

Produkte
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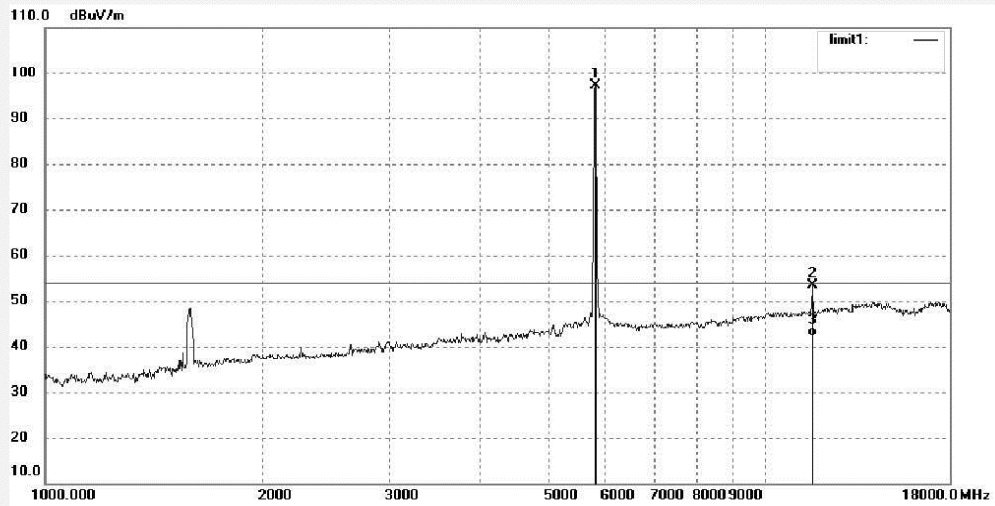
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #541
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5795MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/18/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5795.000	95.21	1.93	97.14	/	/	peak			
2	11590.227	42.82	10.55	53.37	74.00	-20.63	peak			
3	11590.227	31.47	10.55	42.02	54.00	-11.98	AVG			

Produkte
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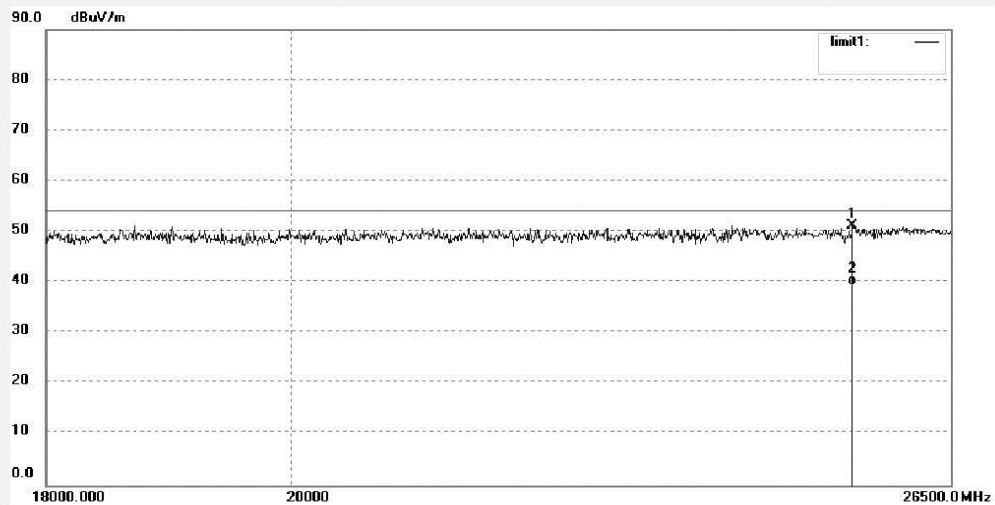
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1161
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5795MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/28/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25413.729	33.54	17.62	51.16	74.00	-22.84	peak			
2	25413.729	21.77	17.62	39.39	54.00	-14.61	AVG			

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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1162

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ThinkPad Stack Wireless Access Point

Mode: TX 5795MHz

Model: R123

Manufacturer: Lenovo

Polarization: Horizontal

Power Source: AC 120V/60Hz

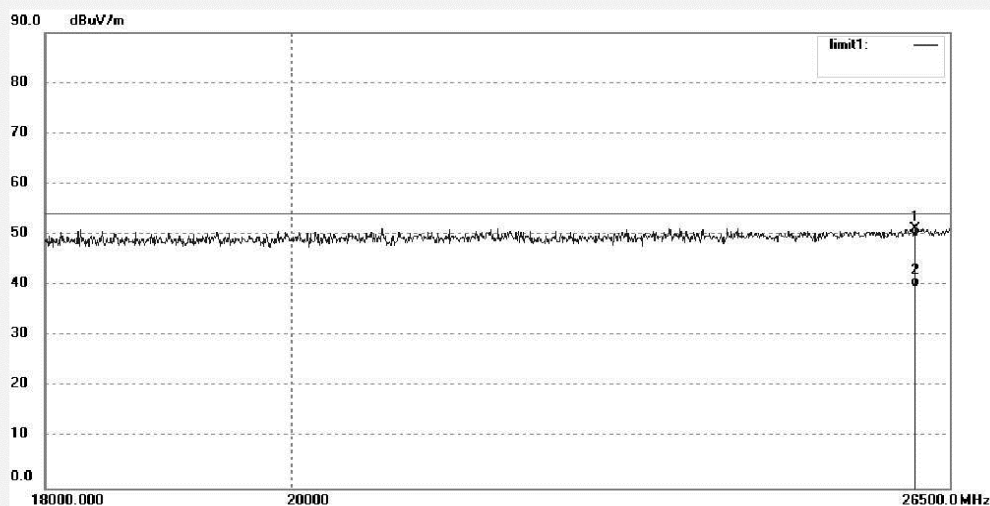
Date: 15/04/28/

Time:

Engineer Signature:

Distance: 3m

Note: 802.11n HT40



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26112.599	34.11	17.16	51.27	74.00	-22.73	peak			
2	26112.599	22.54	17.16	39.70	54.00	-14.30	AVG			

EMI Sweep(1)

1 / 1

Radiated Emission

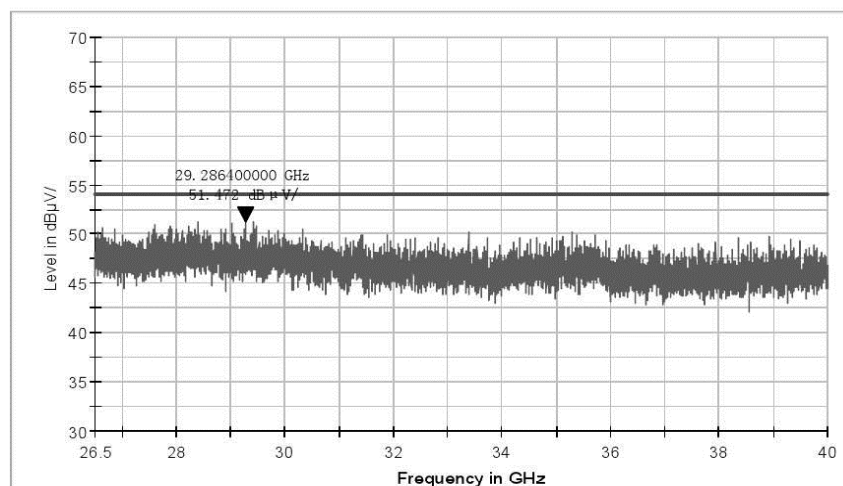
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5795MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT40

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



EMI Sweep(1)

1 / 1

Radiated Emission

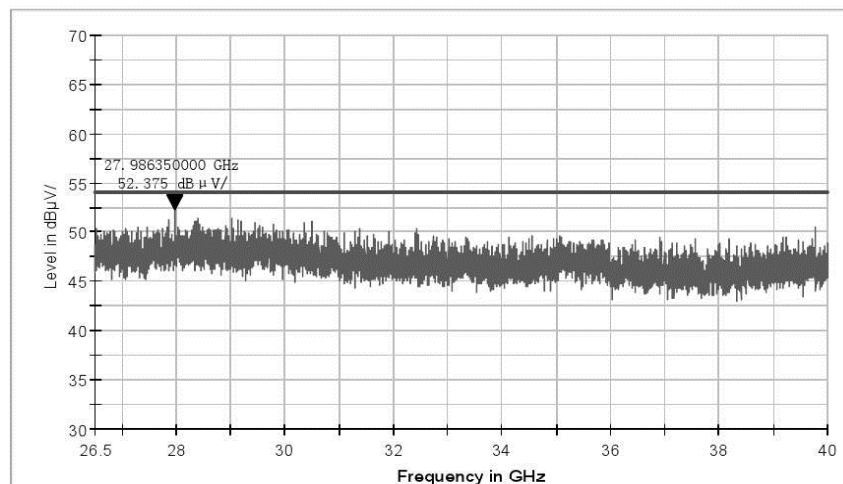
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5795MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11n HT40

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



802.11ac VHT80
CH155

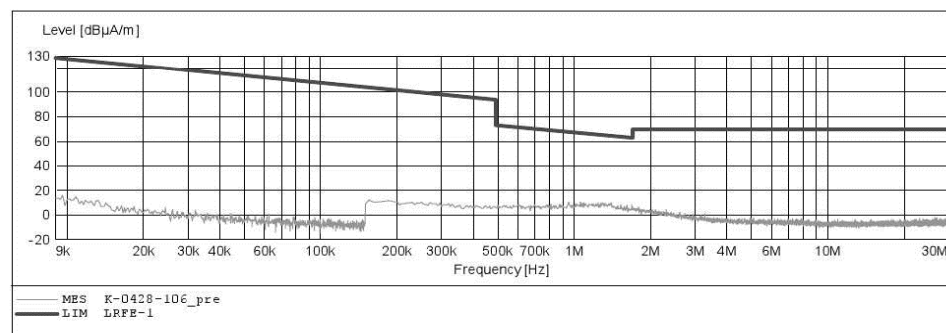
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FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5775MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: X
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



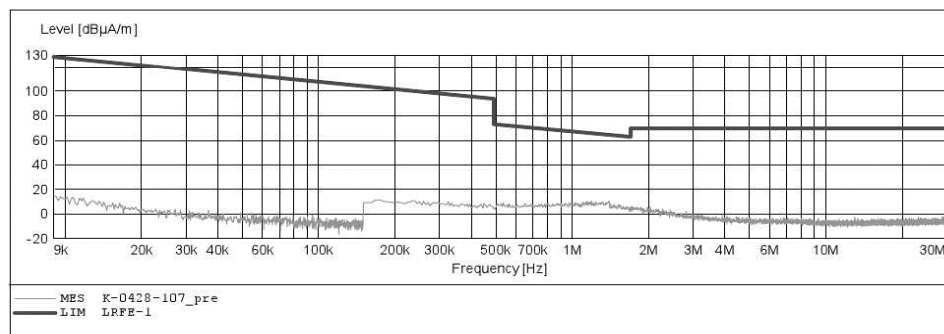
ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5775MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Y
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



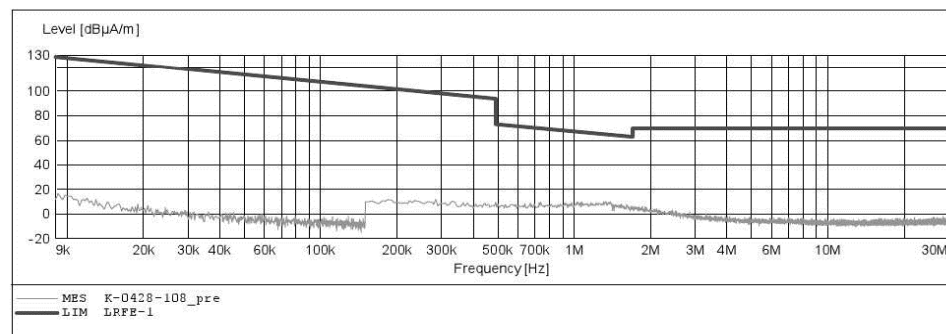
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FCC Class B 3M Radiated

EUT: ThinkPad Stack Wireless Access Point M/N:R123
 Manufacturer: Lenovo
 Operating Condition: TX 5775MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: AC 120V/60Hz
 Comment: Z
 Start of Test: 2015-5-5 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



Produkte
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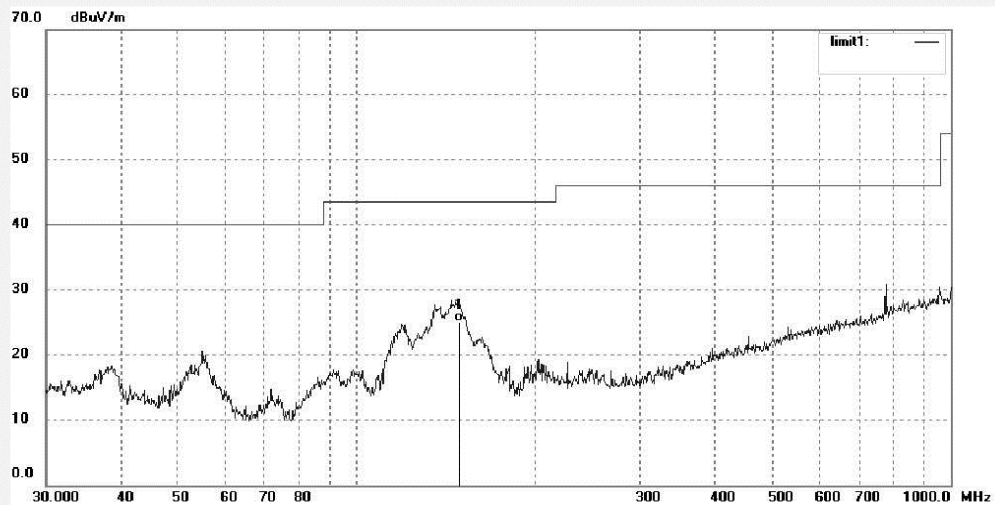


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #831	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/21/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5775MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	
Note: 802.11ac VHT80	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	148.9625	40.32	-15.17	25.15	43.50	-18.35	QP			

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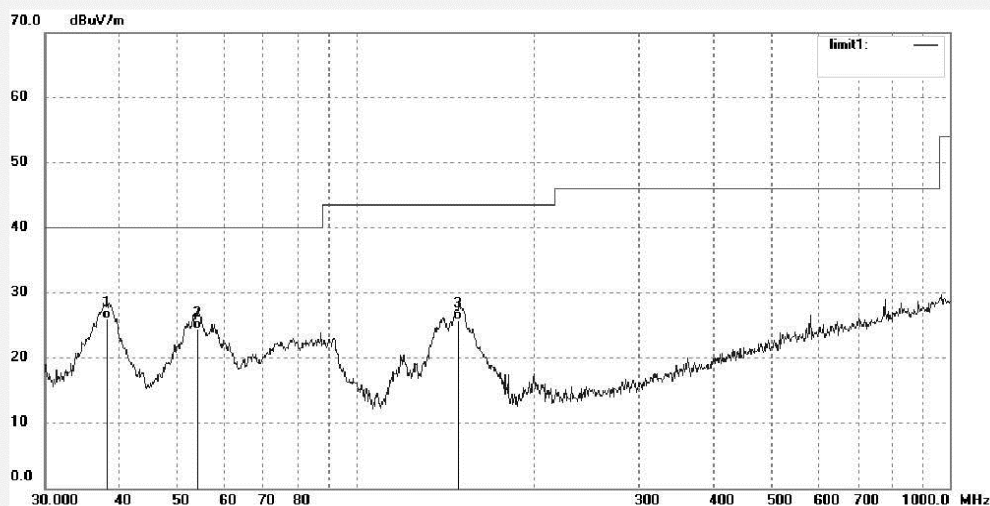
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #832
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5775MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/21/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11ac VHT80



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.2120	37.21	-11.14	26.07	40.00	-13.93	QP			
2	54.0711	37.39	-12.91	24.48	40.00	-15.52	QP			
3	148.9625	41.00	-15.17	25.83	43.50	-17.67	QP			

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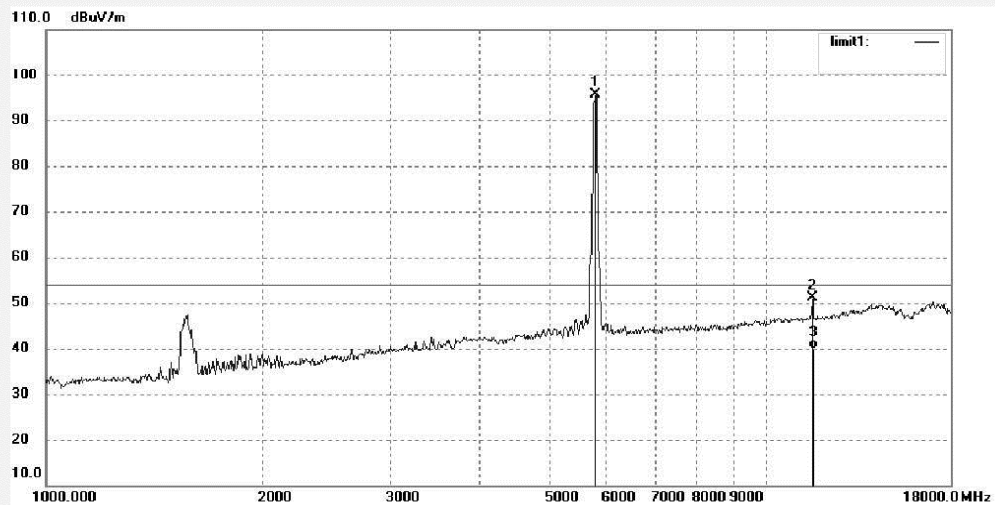
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #542
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5775MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/18/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11ac VHT80



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5775.000	93.77	1.76	95.53	/	/	peak			
2	11550.328	40.46	10.55	51.01	74.00	-22.99	peak			
3	11550.328	29.32	10.55	39.87	54.00	-14.13	AVG			

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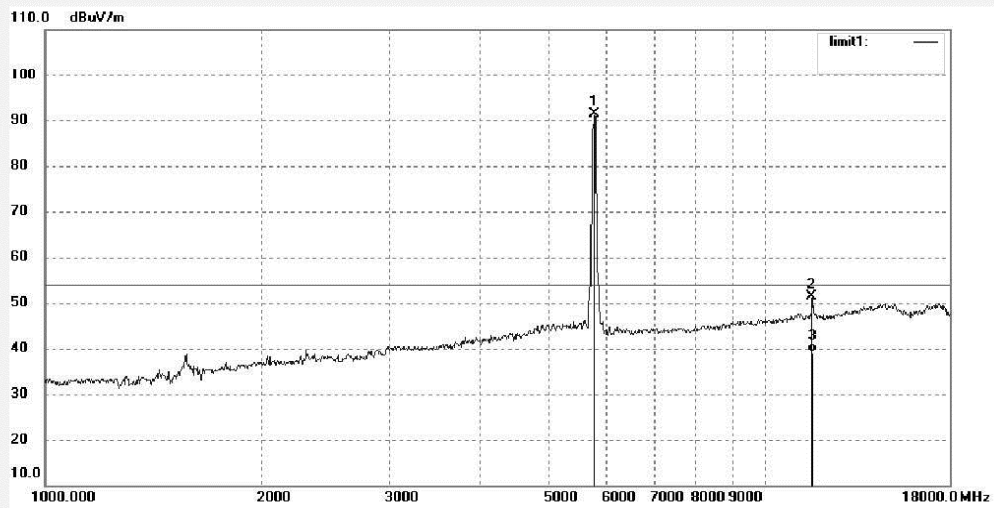
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #543
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5775MHz
Model: R123
Manufacturer: Lenovo

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/04/18/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11ac VHT80



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5775.000	89.74	1.76	91.50	/	/	peak			
2	11550.323	40.75	10.55	51.30	74.00	-22.70	peak			
3	11550.323	28.69	10.55	39.24	54.00	-14.76	AVG			

Produkte
Products



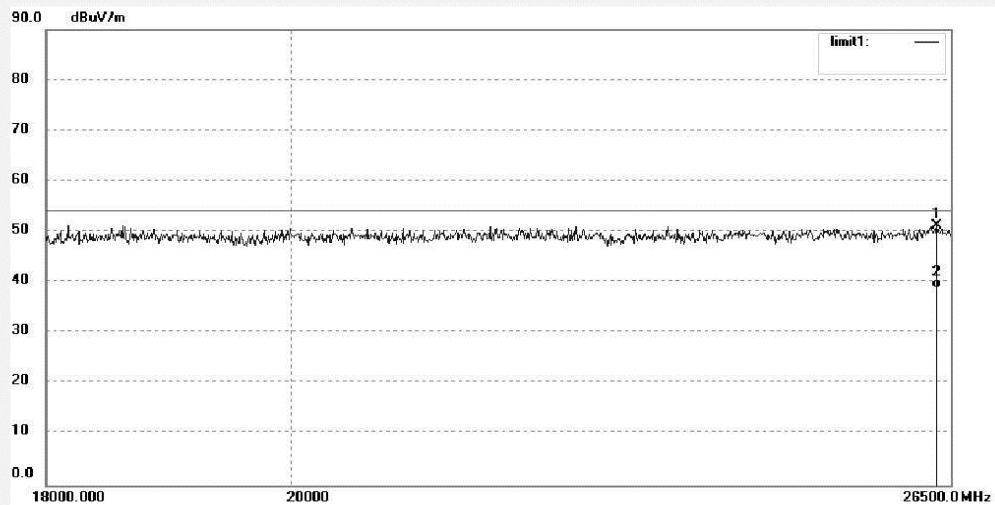
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1163	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/28/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5775MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	

Note: 802.11ac VHT80



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26346.396	34.63	16.50	51.13	74.00	-22.87	peak			
2	26346.396	22.40	16.50	38.90	54.00	-15.10	AVG			

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Products



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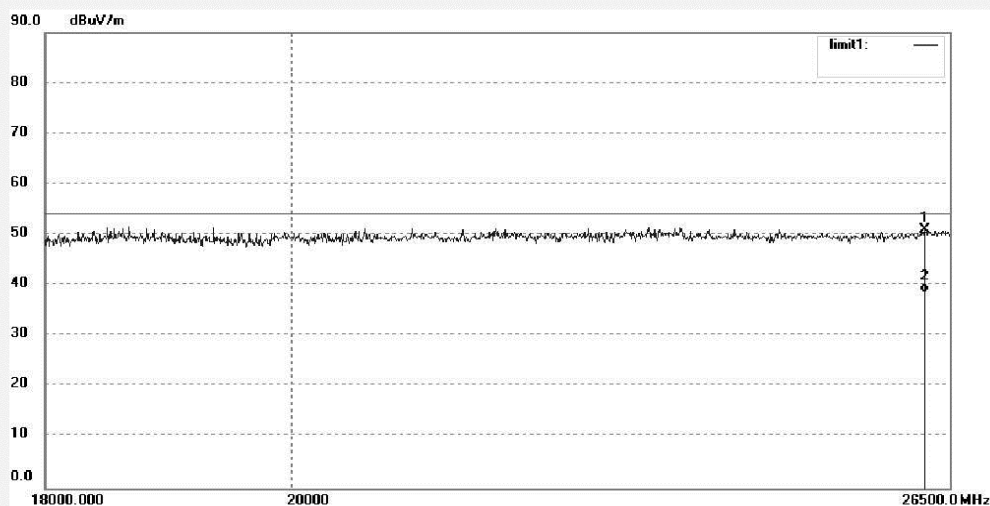
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #1164
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: ThinkPad Stack Wireless Access Point
Mode: TX 5775MHz
Model: R123
Manufacturer: Lenovo

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/04/28/
Time:
Engineer Signature:
Distance: 3m

Note: 802.11ac VHT80



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26224.155	34.36	16.50	50.86	74.00	-23.14	peak			
2	26224.155	22.08	16.50	38.58	54.00	-15.42	AVG			

EMI Sweep(1)

1 / 1

Radiated Emission

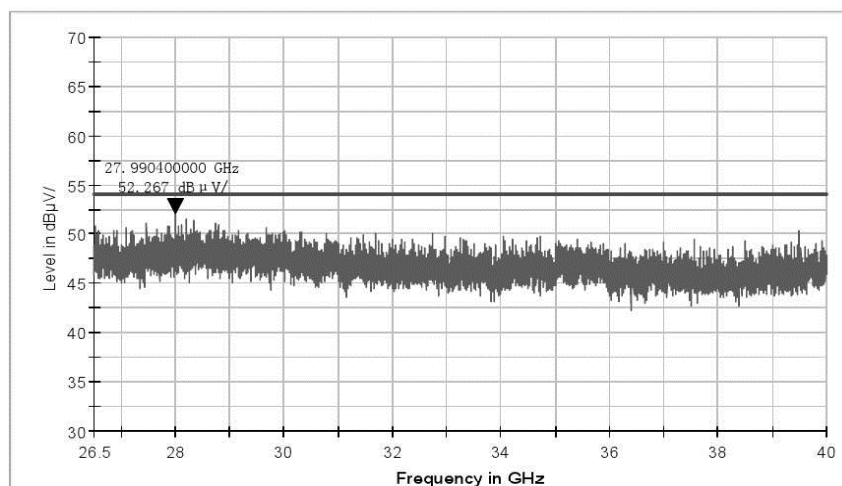
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5775MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11ac VHT80

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



EMI Sweep(1)

1 / 1

Radiated Emission

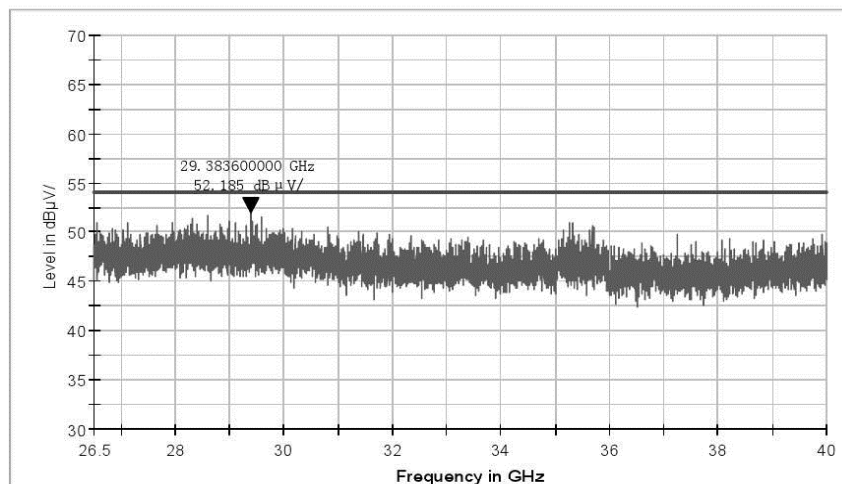
EUT Information

EUT Model Name:	ThinkPad Stack Wireless Access Point M/N:R123
Operation mode:	TX 5775MHz
Test Voltage:	AC 120V/60Hz
Comment:	802.11ac VHT80

Common Information

Test Site:	SMQ EMC Lab.
Environment Conditions:	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

Copy of FCC Electric Field Strength 26.5-40GHz



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Products

Appendix C.2: Unwanted Emissions - In the Restricted Bands
802.11a
CH149



ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #560

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: ThinkPad Stack Wireless Access Point

Mode: TX 5745MHz

Model: R123

Manufacturer: Lenovo

Polarization: Vertical

Power Source: AC 120V/60Hz

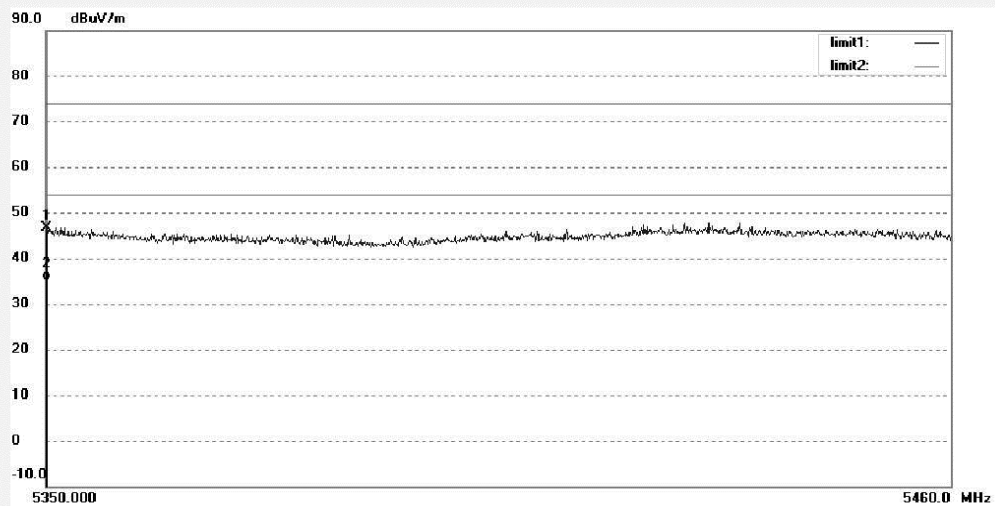
Date: 15/04/18/

Time:

Engineer Signature:

Distance: 3m

Note: 802.11a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.110	45.91	0.84	46.75	74.00	-27.25	peak			
2	5350.110	34.29	0.84	35.13	54.00	-18.87	AVG			

Produkte
Products



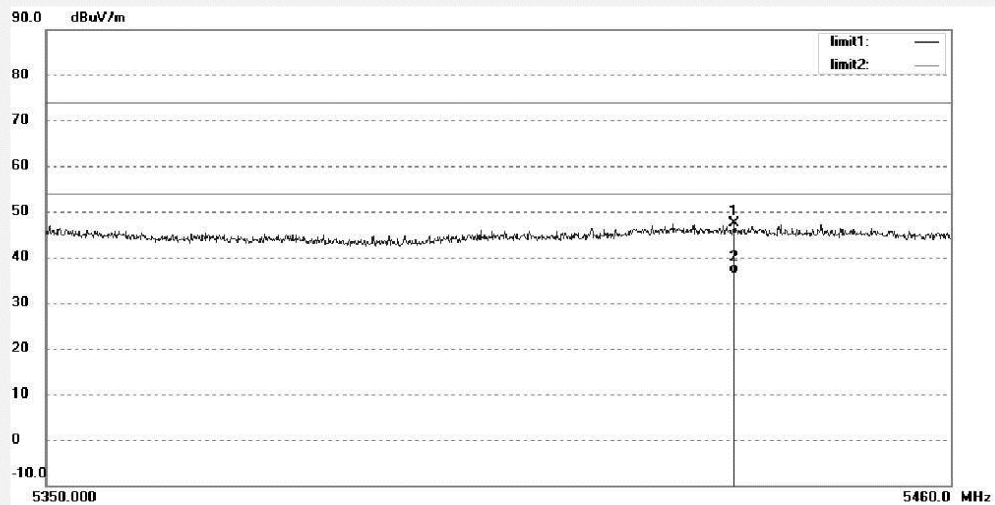
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #561	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5745MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	

Note: 802.11a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5433.600	46.65	0.84	47.49	74.00	-26.51	peak			
2	5433.600	35.45	0.84	36.29	54.00	-17.71	AVG			

Produkte
Products

CH165



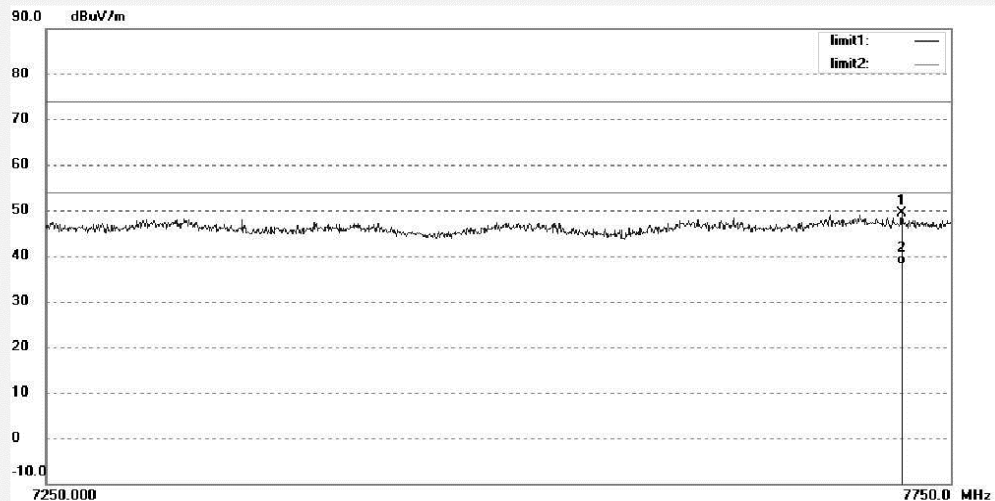
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lenovo #562	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/04/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: ThinkPad Stack Wireless Access Point	Engineer Signature:
Mode: TX 5825MHz	Distance: 3m
Model: R123	
Manufacturer: Lenovo	

Note: 802.11a



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	7722.500	43.91	5.35	49.26	74.00	-24.74	peak			
2	7722.500	32.82	5.35	38.17	54.00	-15.83	AVG			