



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #2239

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/35/05

EUT: IP Camera

Engineer Signature: STAR

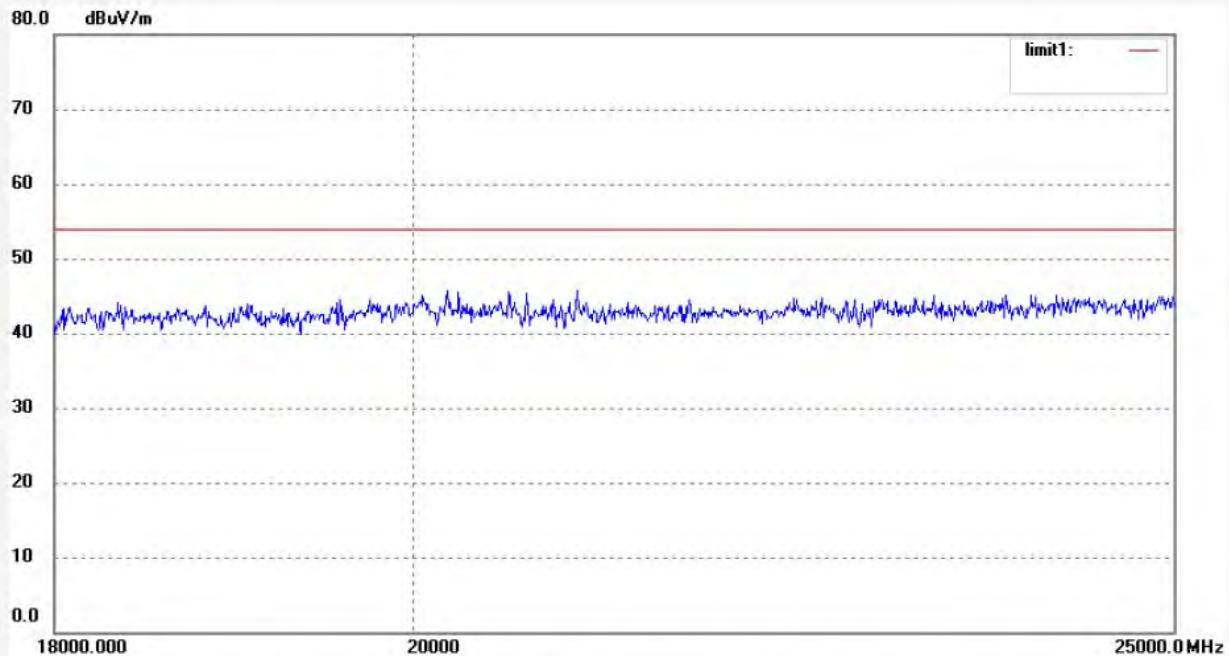
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2240

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/38/43

EUT: IP Camera

Engineer Signature: STAR

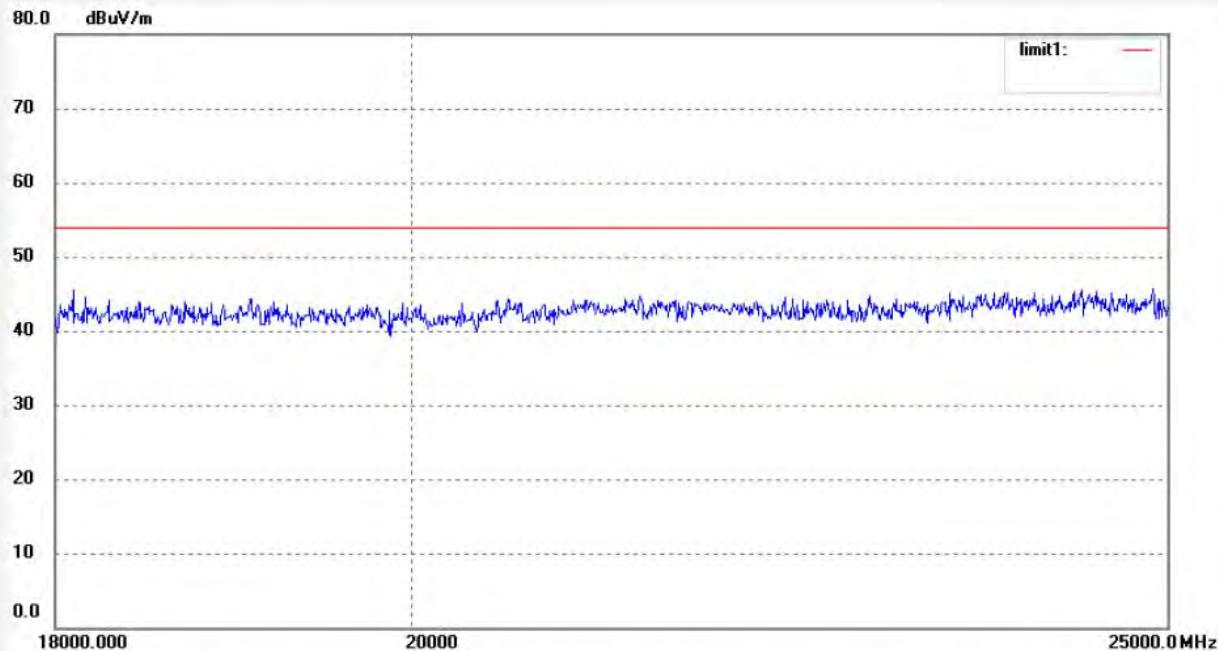
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2193

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/02/16

EUT: IP Camera

Engineer Signature: STAR

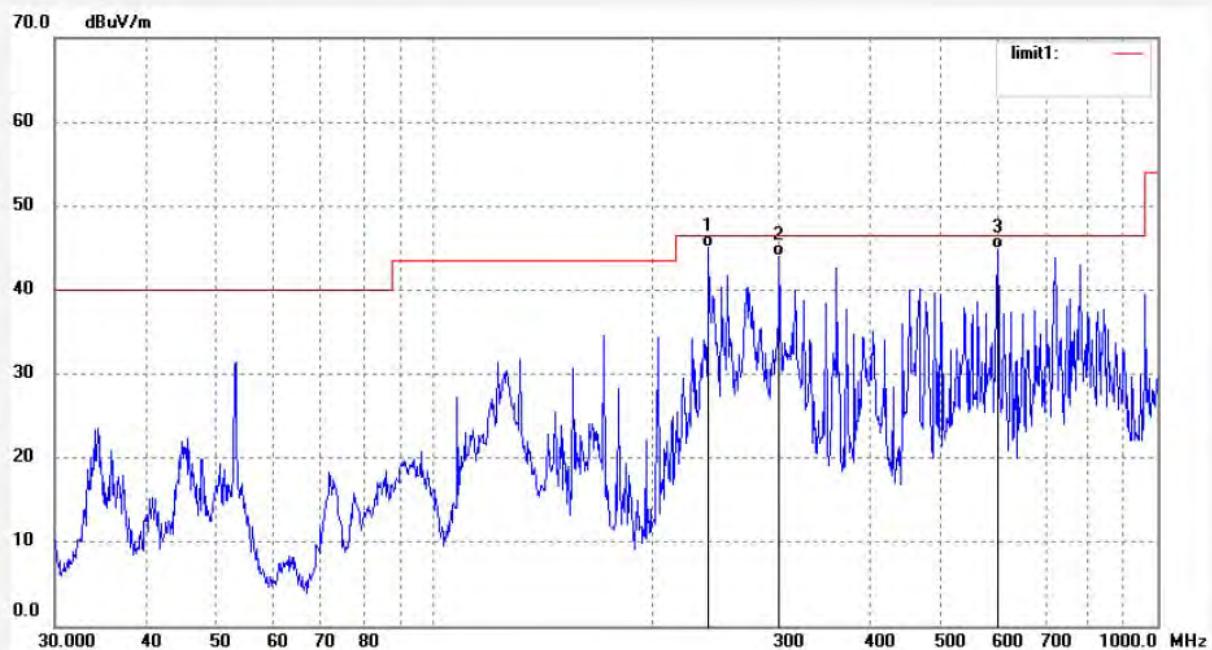
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	64.81	-19.80	45.01	46.50	-1.49	QP			
2	300.3672	61.93	-17.86	44.07	46.50	-2.43	QP			
3	601.4265	56.60	-11.65	44.95	46.50	-1.55	QP			



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Site: 1# Chamber
Tel:+86-0755-26503290
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Job No.: star #2194

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23

Temp. (C)/Hum.(%) 25 C / 55 %

Time: 10/05/18

EUT: IP Camera

Engineer Signature: STAR

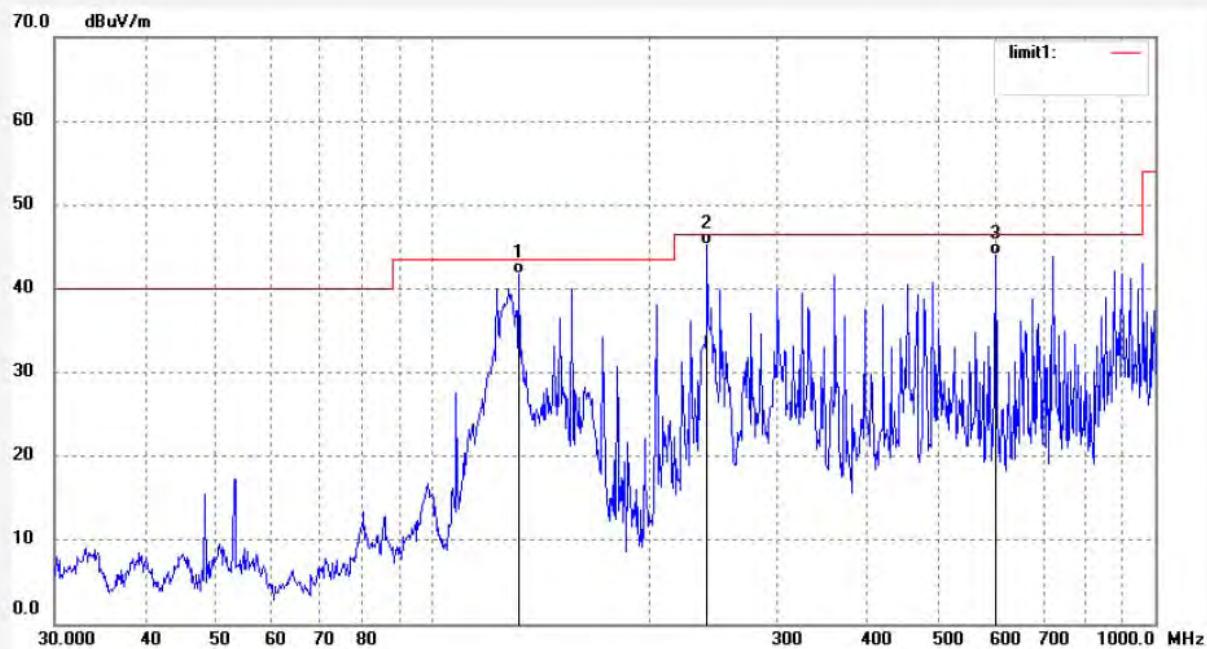
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	64.86	-23.12	41.74	43.50	-1.76	QP			
2	239.9874	65.01	-19.80	45.21	46.50	-1.29	QP			
3	601.4265	55.68	-11.65	44.03	46.50	-2.47	QP			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2217

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/20/20

EUT: IP Camera

Engineer Signature: STAR

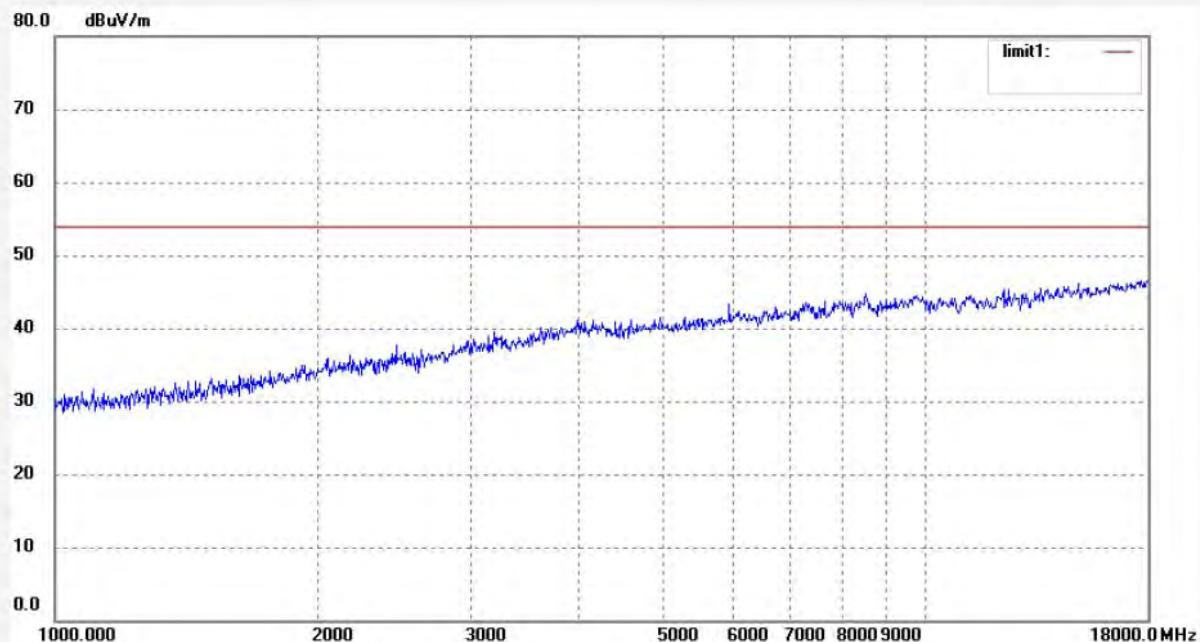
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2218

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/24/00

EUT: IP Camera

Engineer Signature: STAR

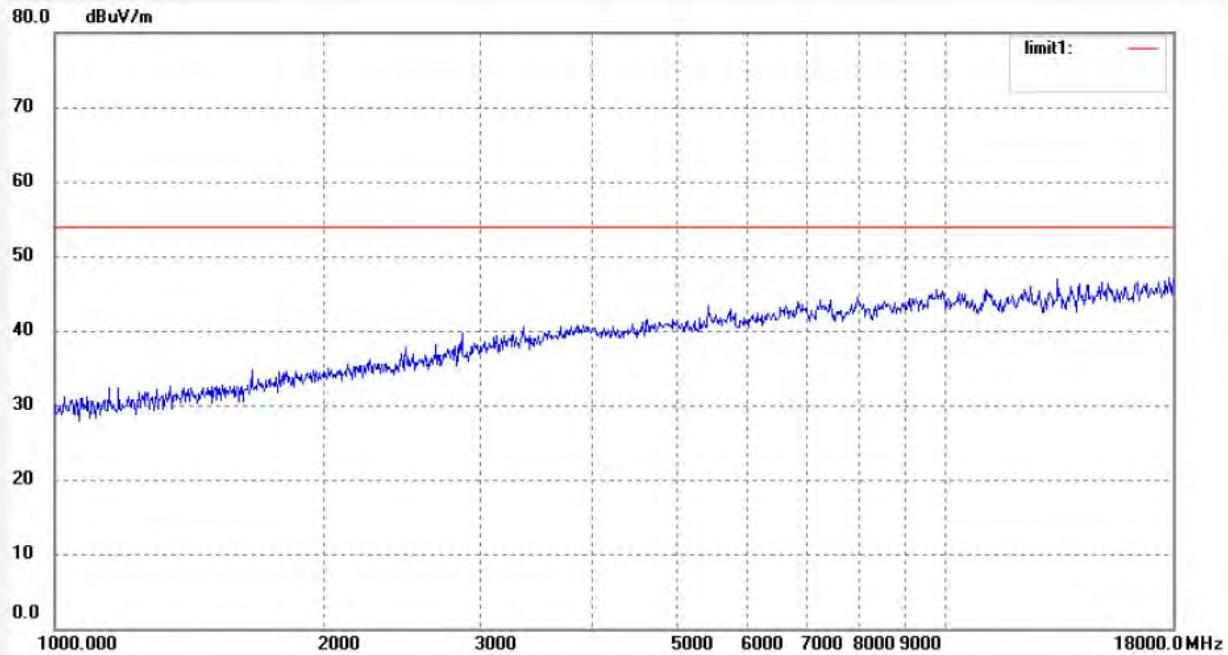
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2241

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/41/29

EUT: IP Camera

Engineer Signature: STAR

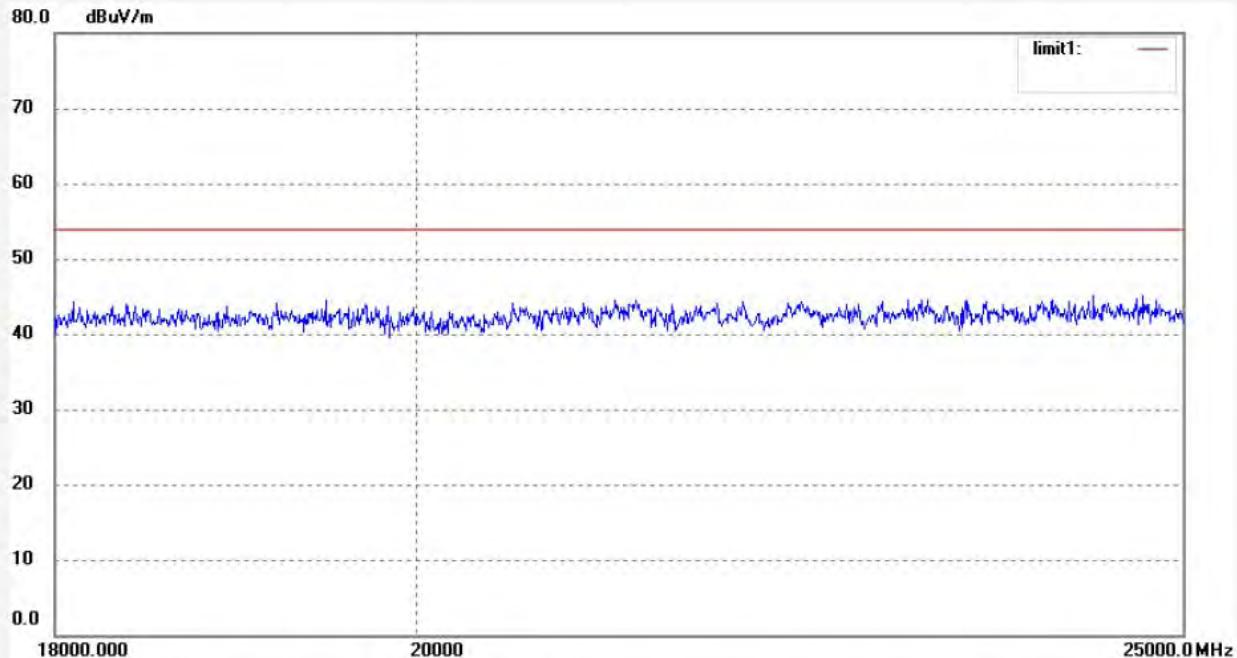
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
 Tel:+86-0755-26503290
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Job No.: star #2242

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/45/09

EUT: IP Camera

Engineer Signature: STAR

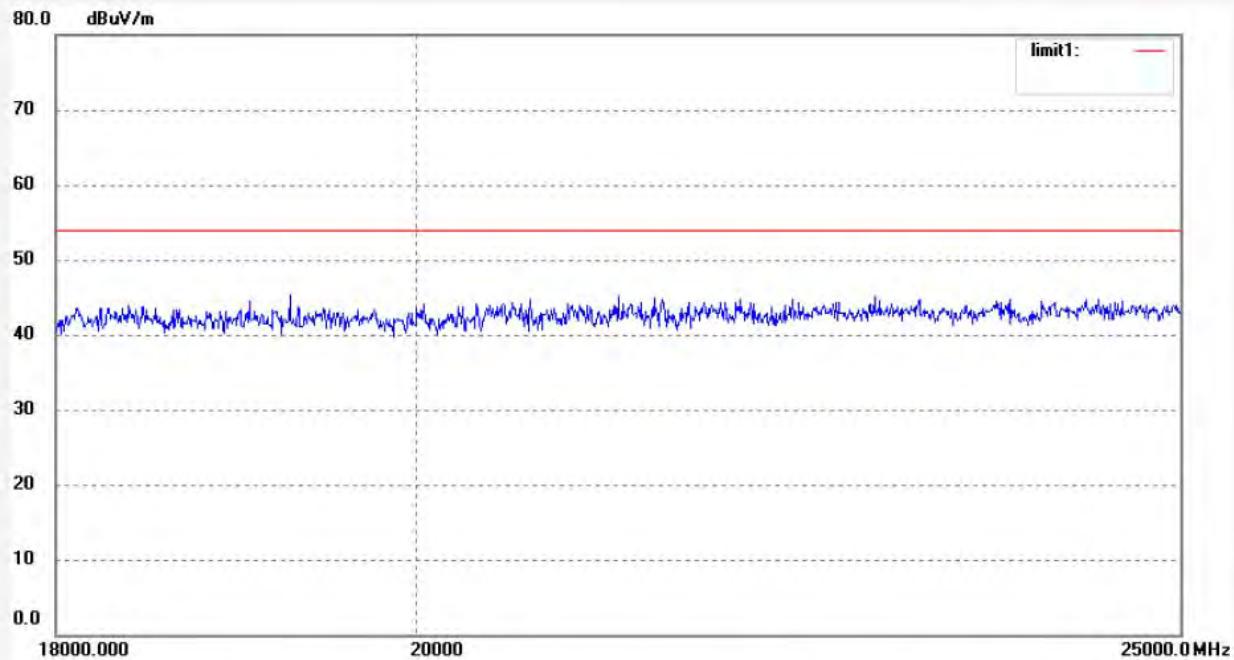
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2195

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/08/59

EUT: IP Camera

Engineer Signature: STAR

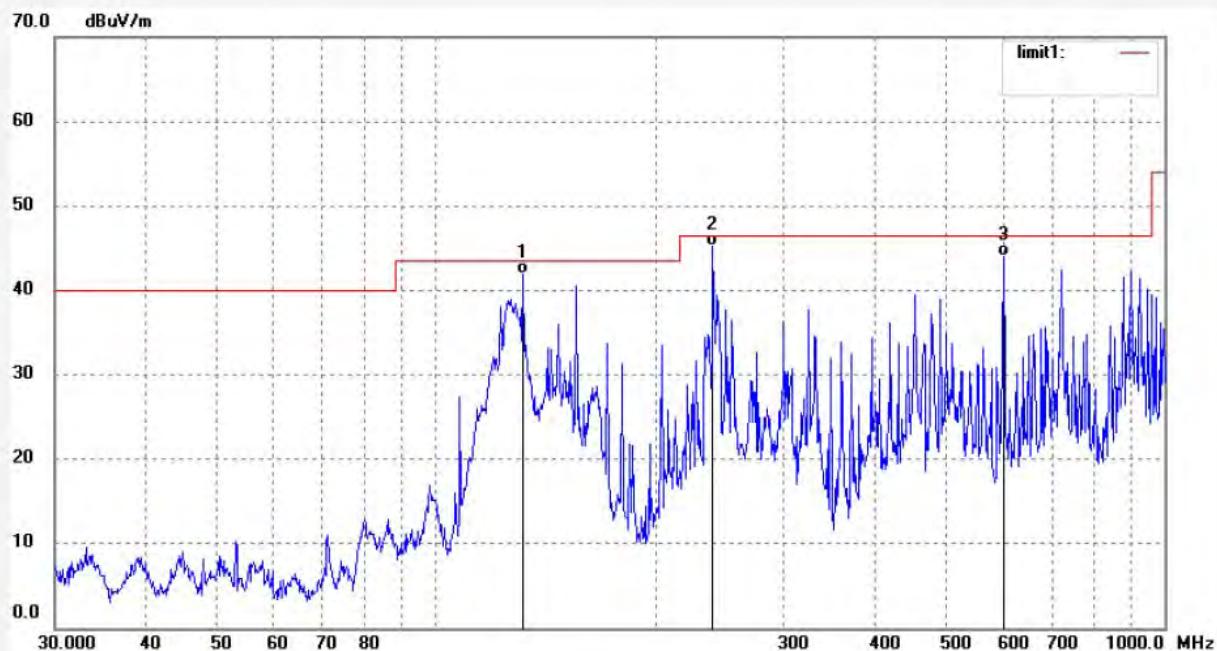
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	65.11	-23.12	41.99	43.50	-1.51	QP			
2	239.9874	65.09	-19.80	45.29	46.50	-1.21	QP			
3	601.4265	55.70	-11.65	44.05	46.50	-2.45	QP			



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Site: 1# Chamber
Tel:+86-0755-26503290
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Job No.: star #2196

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/11/38

EUT: IP Camera

Engineer Signature: STAR

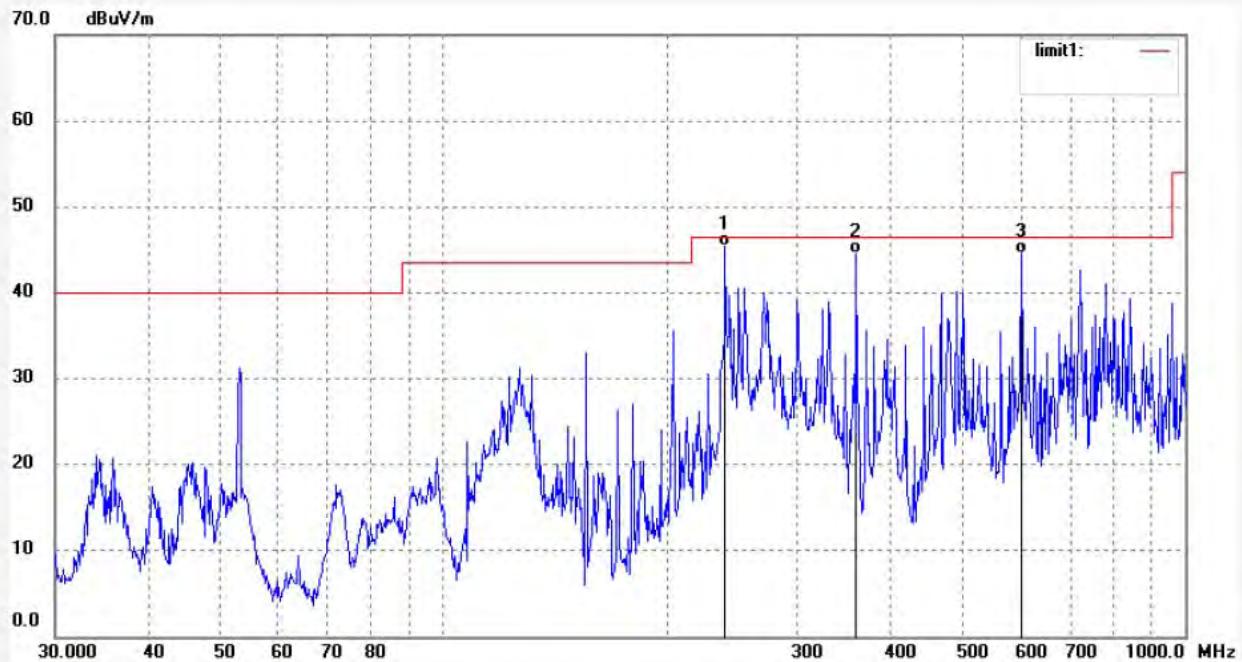
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	65.25	-19.80	45.45	46.50	-1.05	QP			
2	360.4476	60.44	-15.92	44.52	46.50	-1.98	QP			
3	601.4265	56.21	-11.65	44.56	46.50	-1.94	QP			



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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #2219

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/27/28

EUT: IP Camera

Engineer Signature: STAR

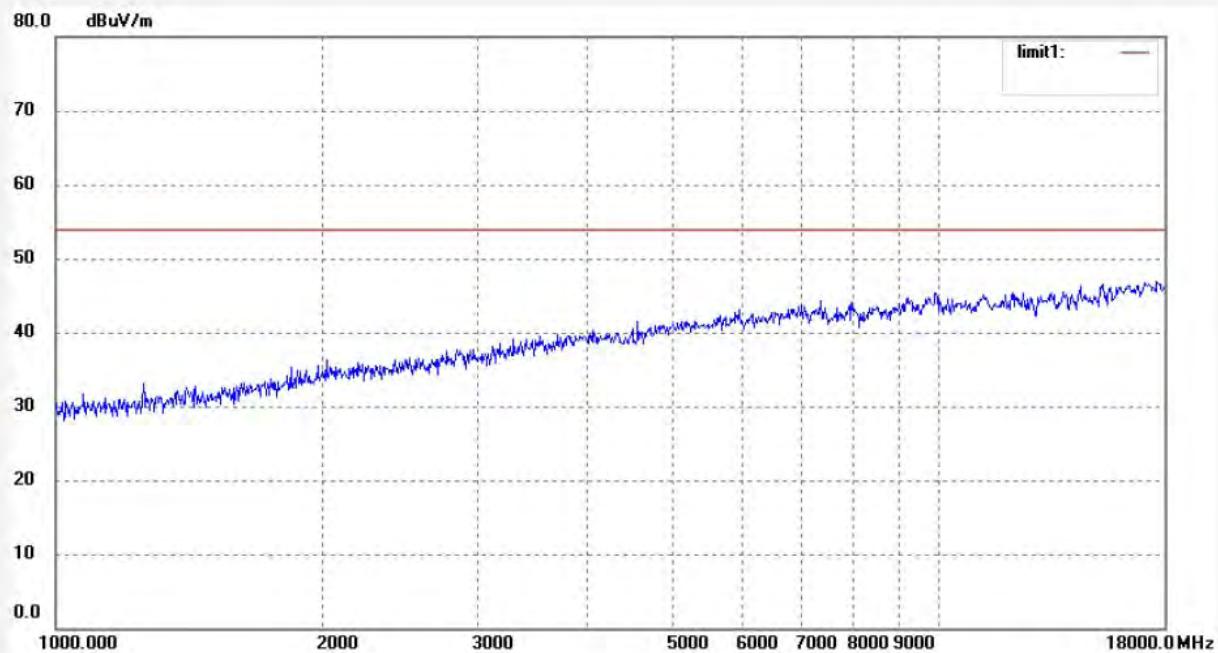
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #2220

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/31/07

EUT: IP Camera

Engineer Signature: STAR

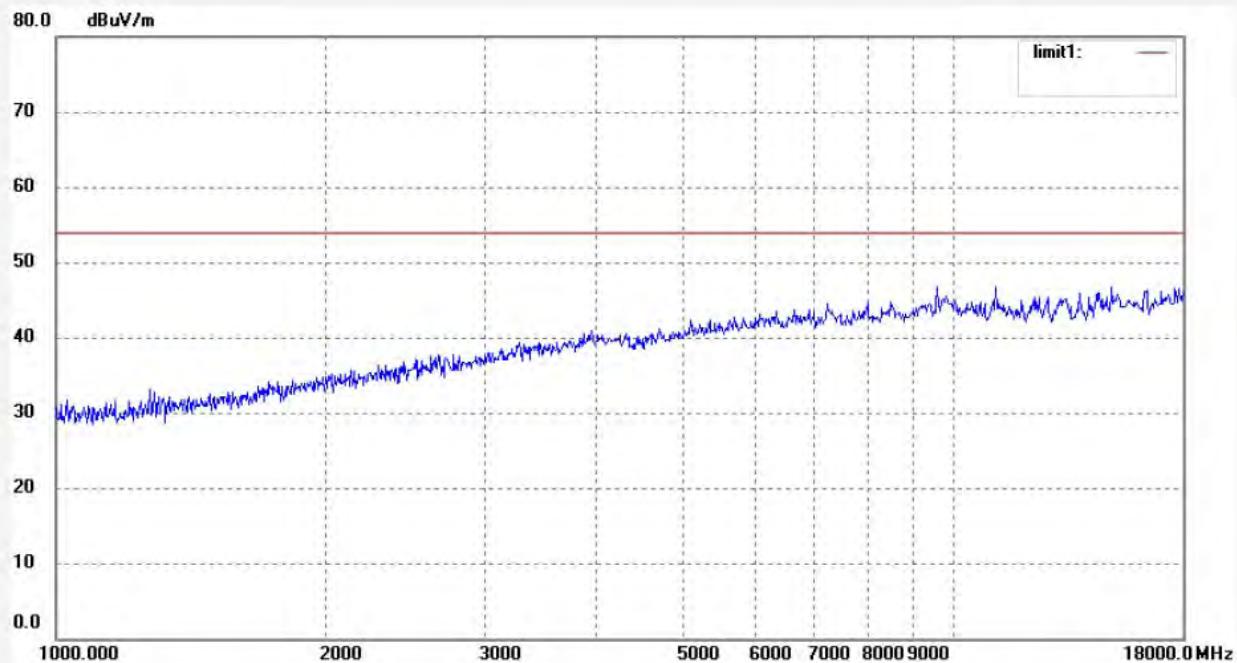
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2243

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/48/01

EUT: IP Camera

Engineer Signature: STAR

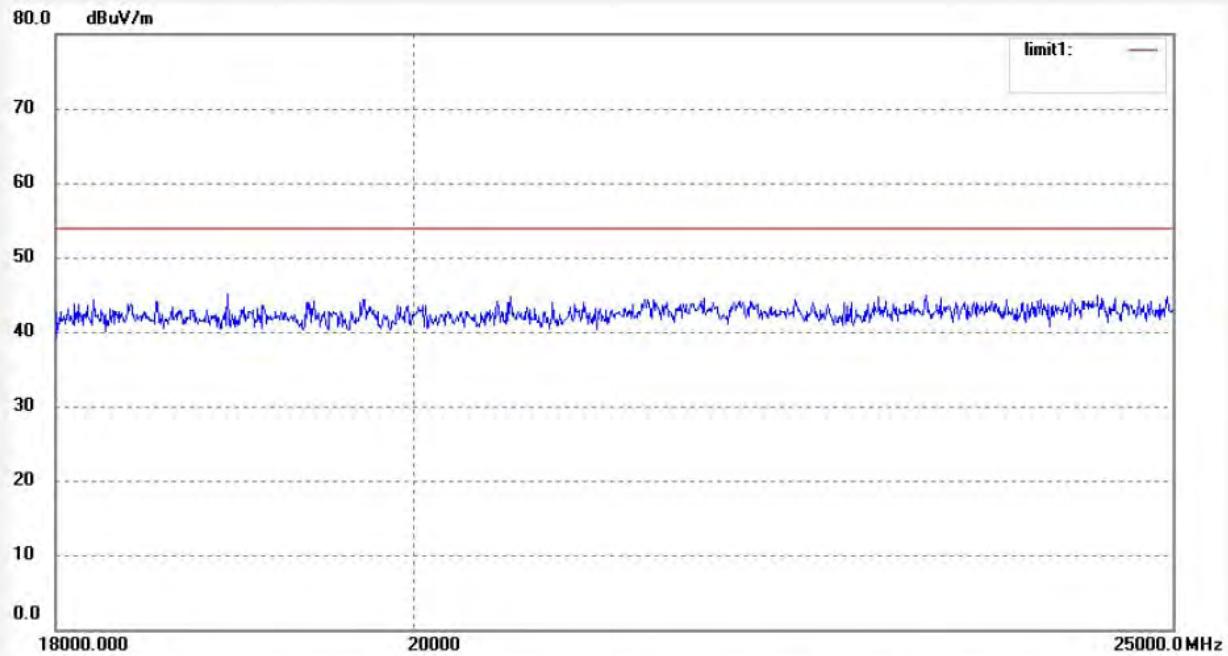
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2244

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/51/50

EUT: IP Camera

Engineer Signature: STAR

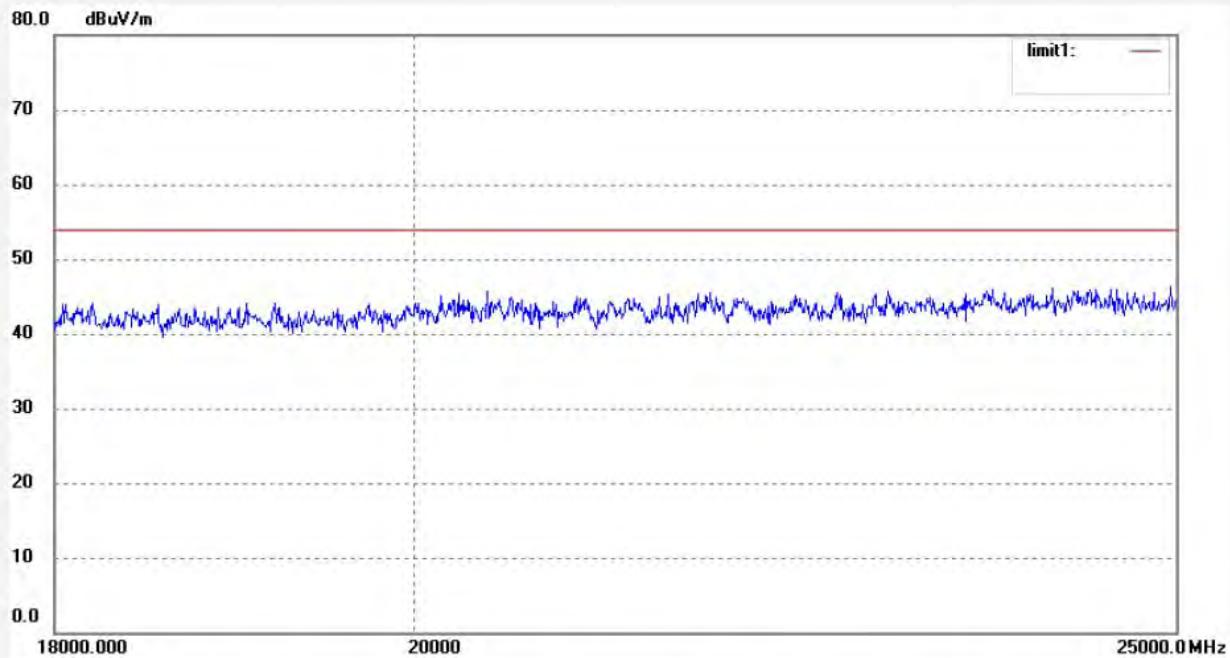
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



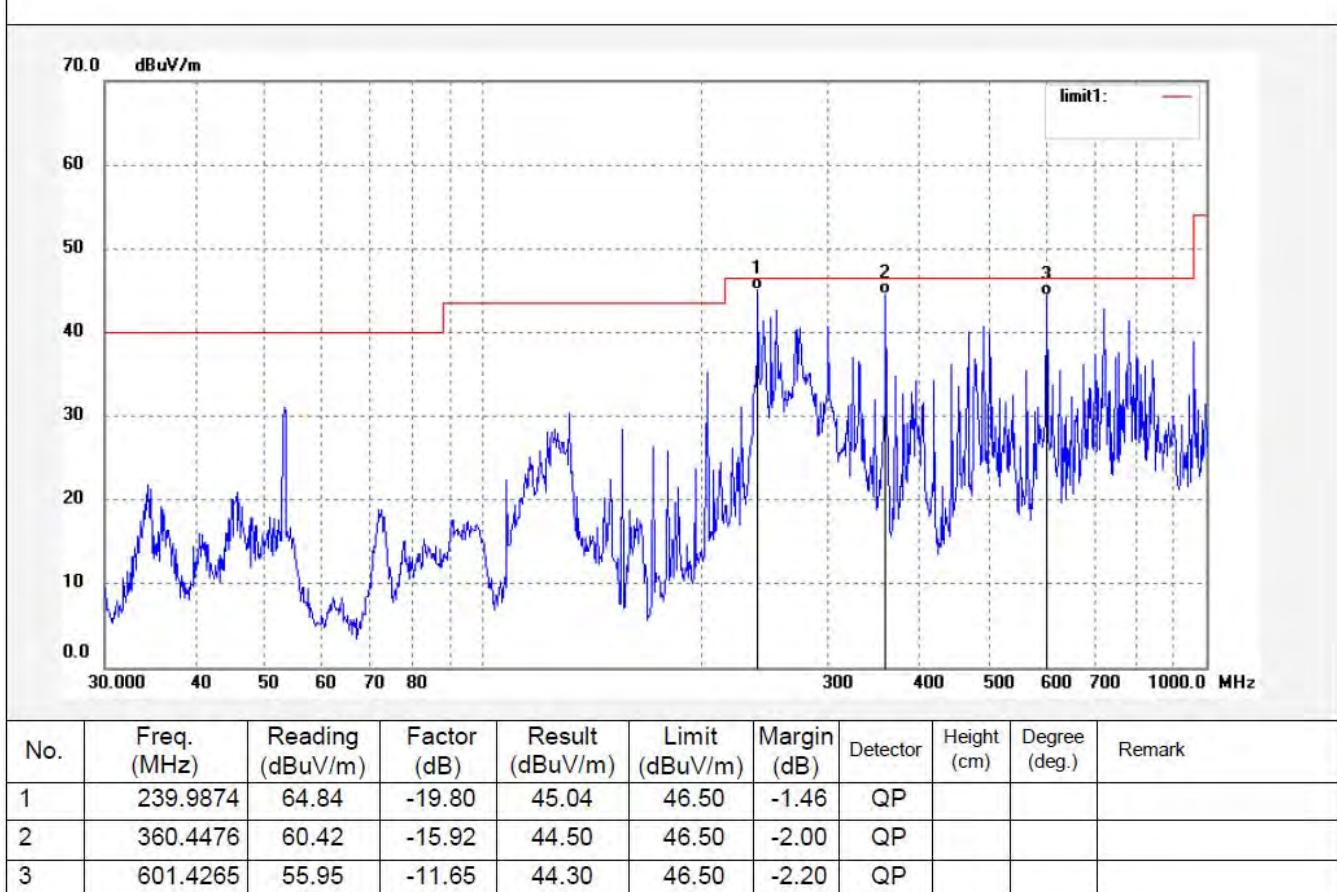
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2197	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/15/15
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	

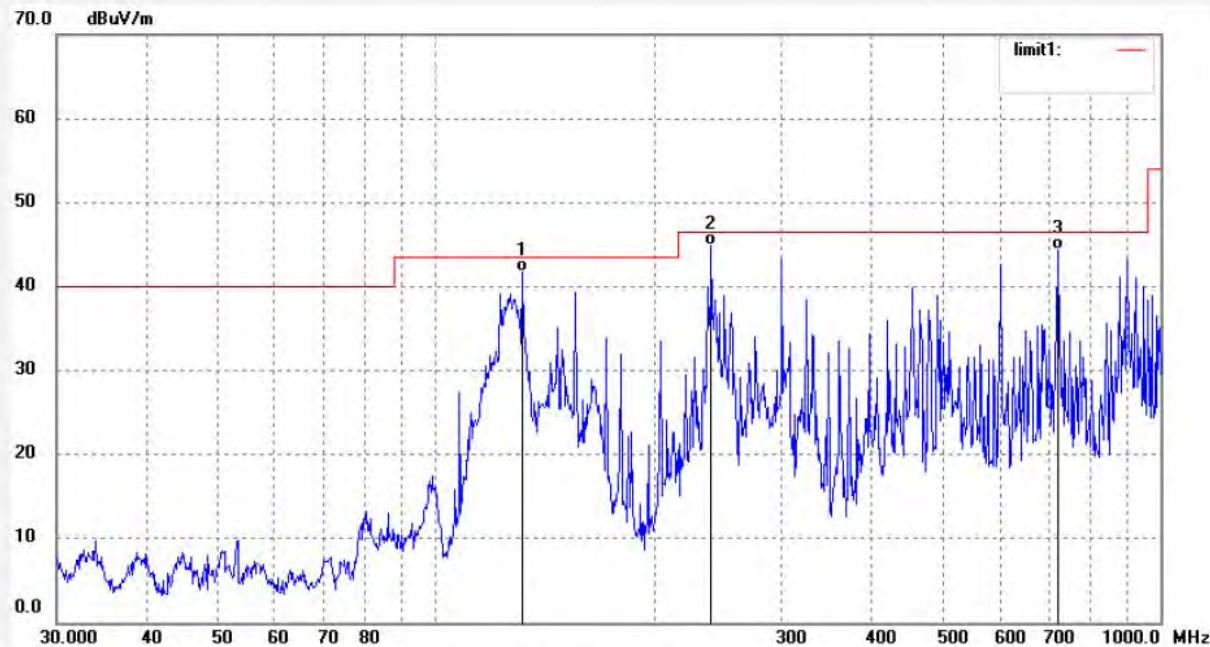



ACCURATE TECHNOLOGY CO., LTD.

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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2198	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 10/18/01
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



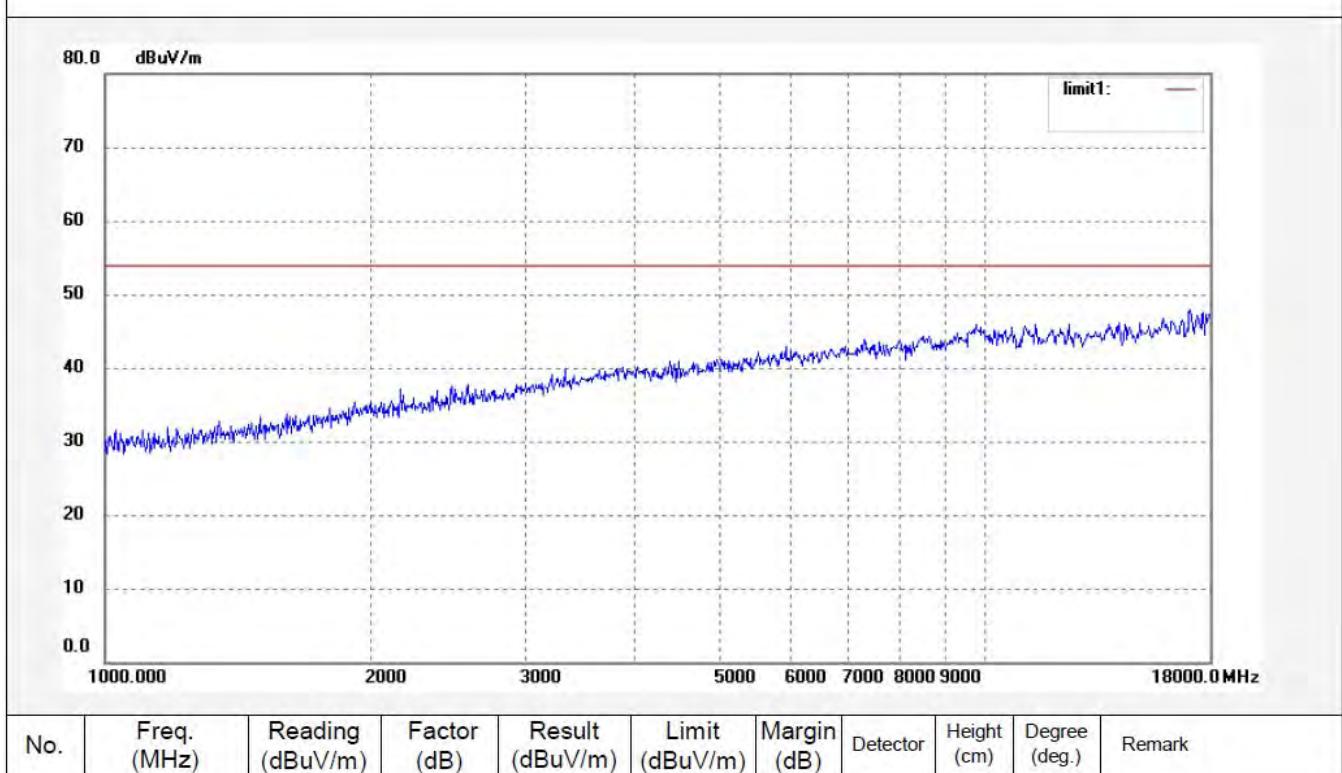
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	64.82	-23.12	41.70	43.50	-1.80	QP			
2	239.9874	64.77	-19.80	44.97	46.50	-1.53	QP			
3	721.7259	53.64	-9.28	44.36	46.50	-2.14	QP			


ACCURATE TECHNOLOGY CO., LTD.

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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	star #2221	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp. (C)/Hum.(%)	25 C / 55 %	Time:	11:35:44
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 1(802.11n)	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		

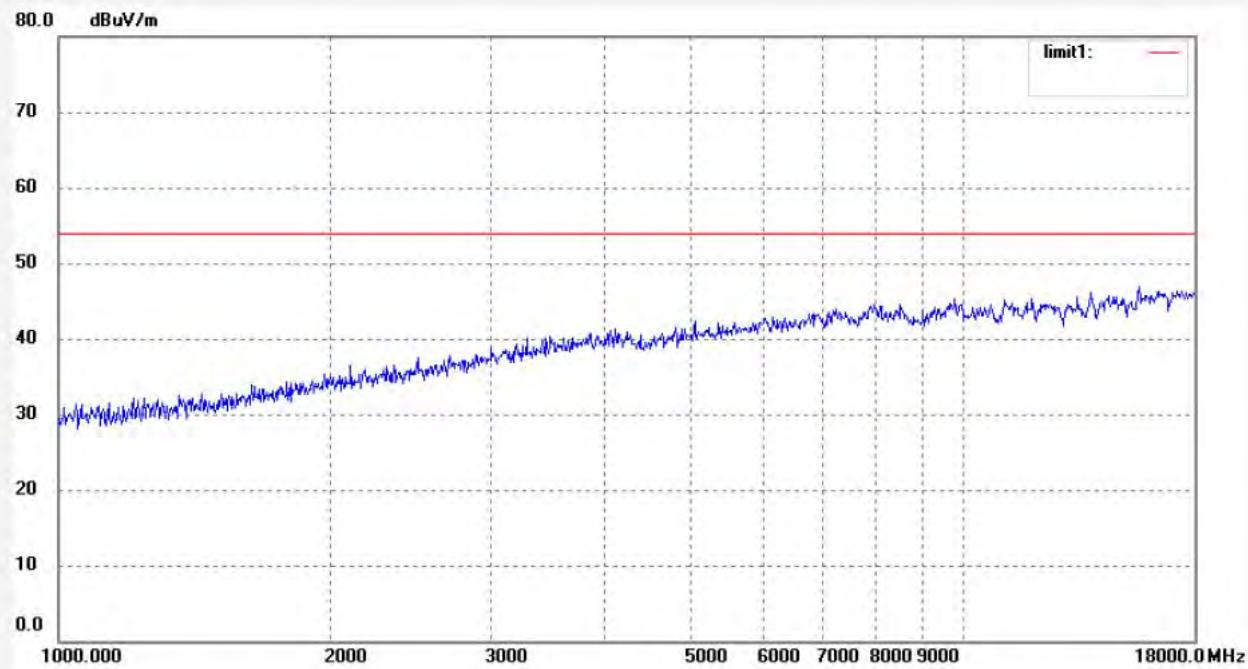



ACCURATE TECHNOLOGY CO., LTD.

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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	star #2222	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	11/37/20
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 1(802.11n)	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


ACCURATE TECHNOLOGY CO., LTD.

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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2245

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 12/53/22

EUT: IP Camera

Engineer Signature: STAR

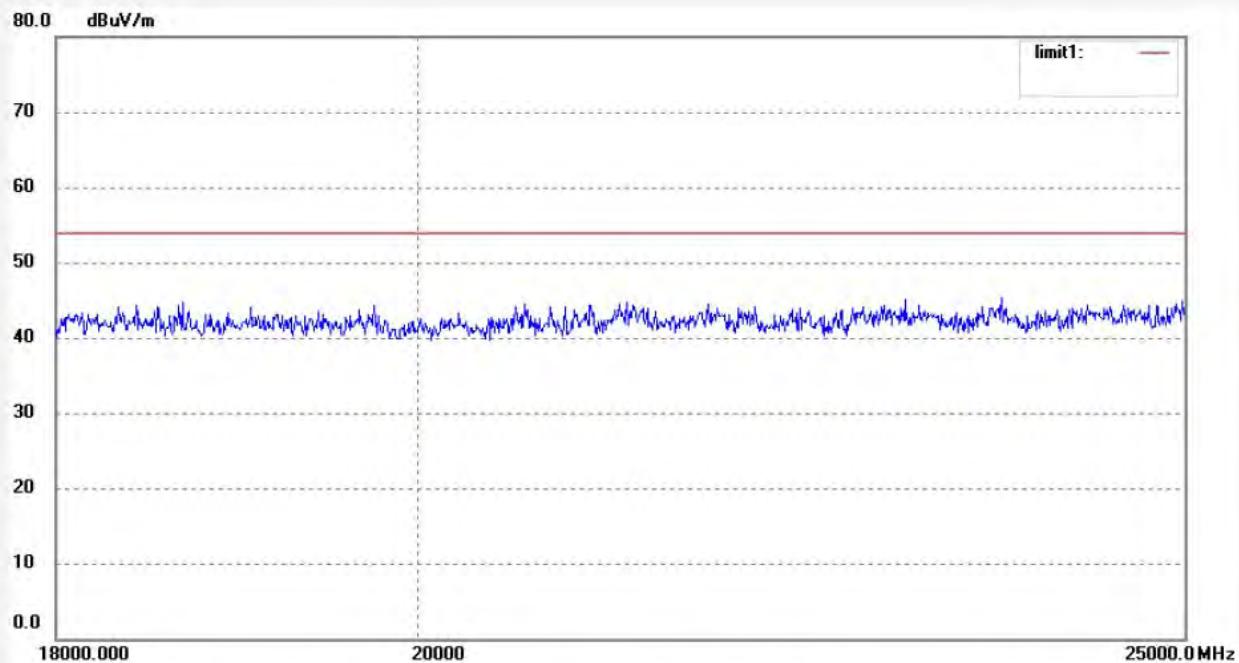
Mode: TX Channel 1(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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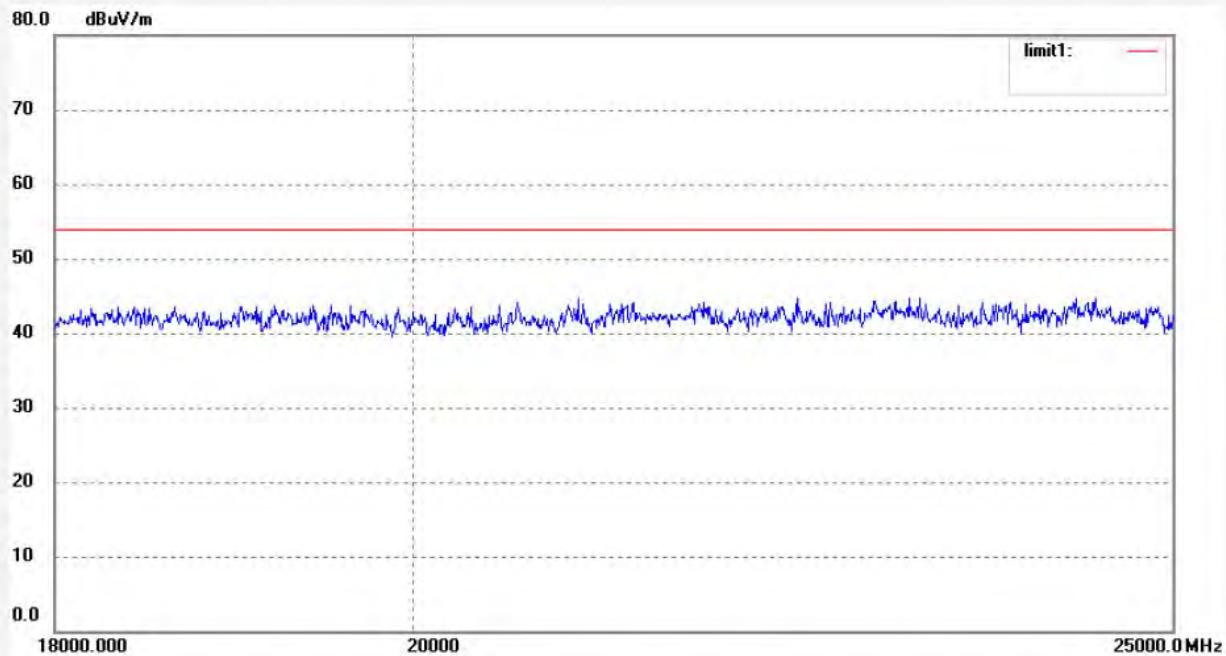


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	star #2246	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	12/54/26
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 1(802.11n)	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2199

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/19/07

EUT: IP Camera

Engineer Signature: STAR

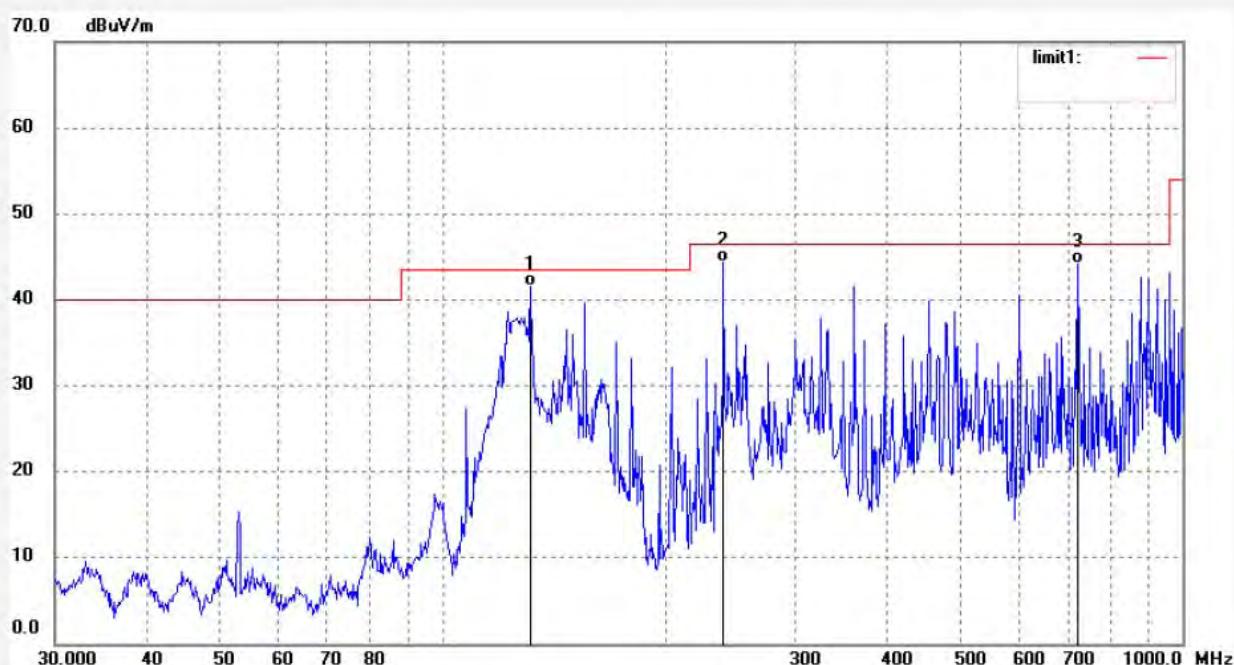
Mode: TX Channel 6(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	64.60	-23.12	41.48	43.50	-2.02	QP			
2	239.9874	64.08	-19.80	44.28	46.50	-2.22	QP			
3	721.7259	53.48	-9.28	44.20	46.50	-2.30	QP			


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Fax:+86-0755-26503396

Job No.: star #2200

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp. (C)/Hum.(%) 25 C / 55 %

Time: 10/23/42

EUT: IP Camera

Engineer Signature: STAR

Mode: TX Channel 6(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	64.68	-19.80	44.88	46.50	-1.62	QP			
2	601.4265	55.92	-11.65	44.27	46.50	-2.23	QP			
3	721.7259	53.21	-9.28	43.93	46.50	-2.57	QP			


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Job No.: star #2223

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/39/54

EUT: IP Camera

Engineer Signature: STAR

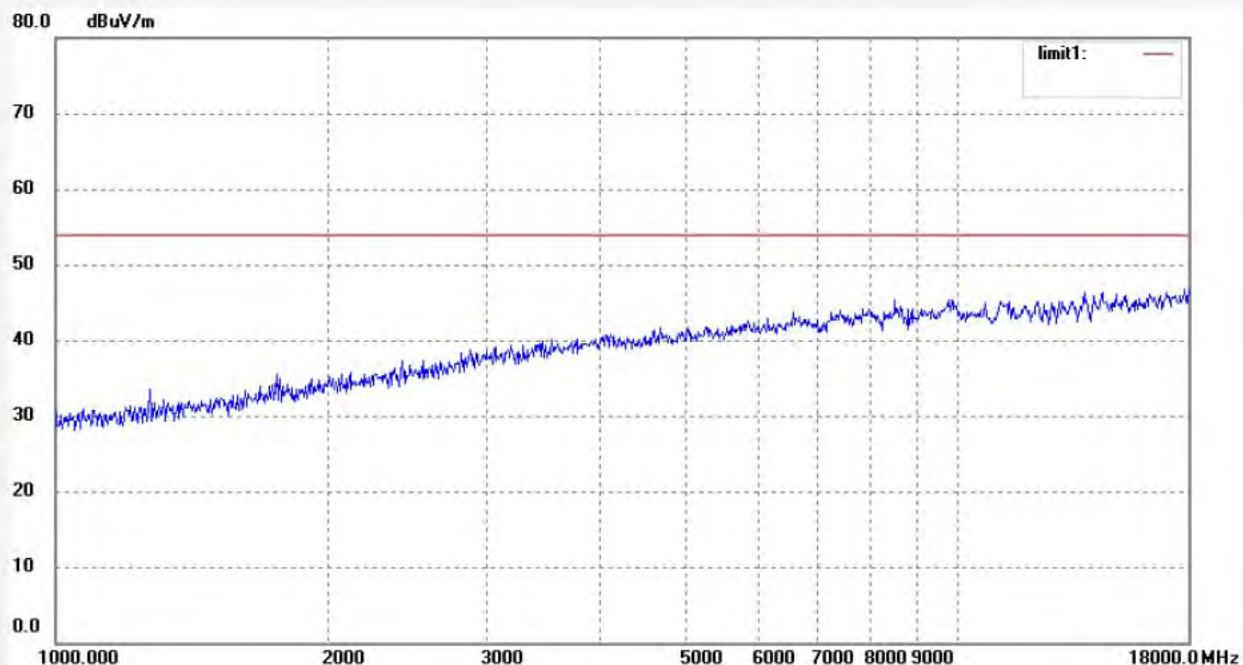
Mode: TX Channel 6(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2224

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/42/30

EUT: IP Camera

Engineer Signature: STAR

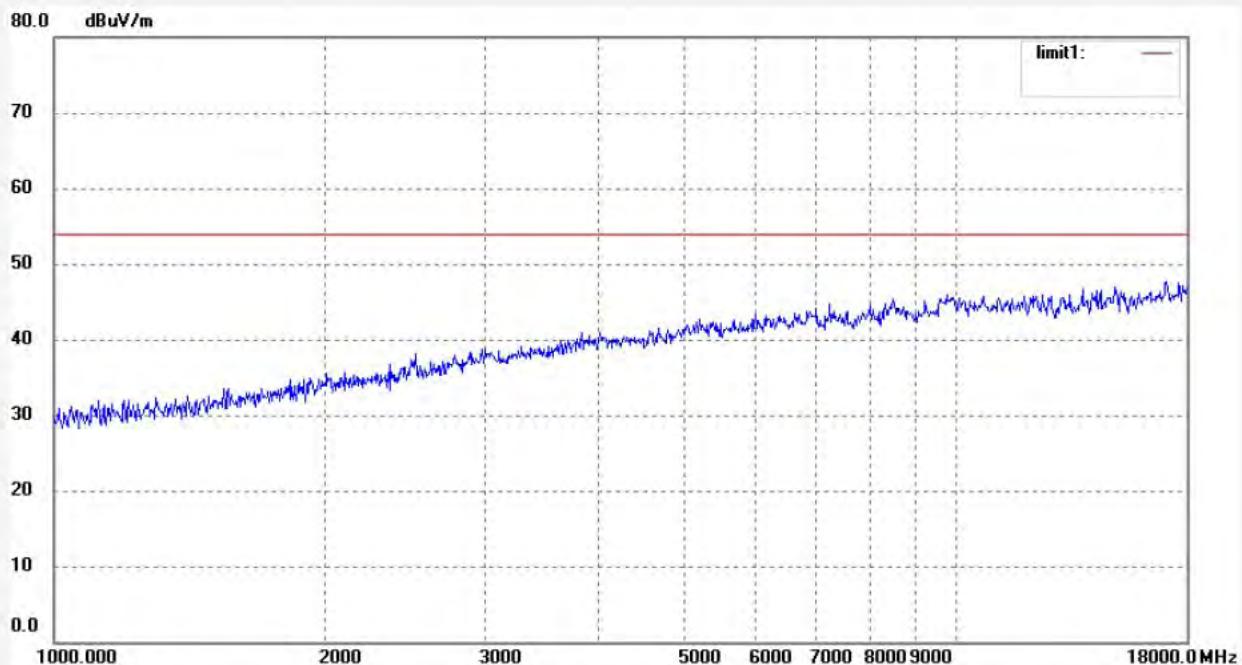
Mode: TX Channel 6(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



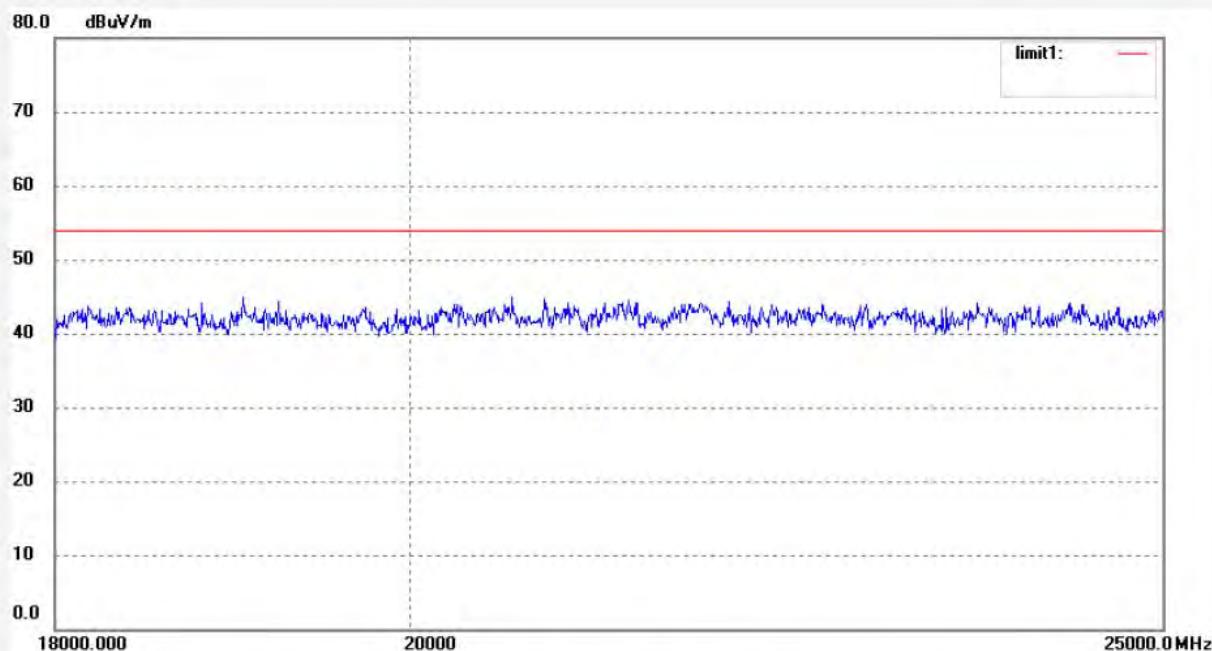
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2247	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12:57:33
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



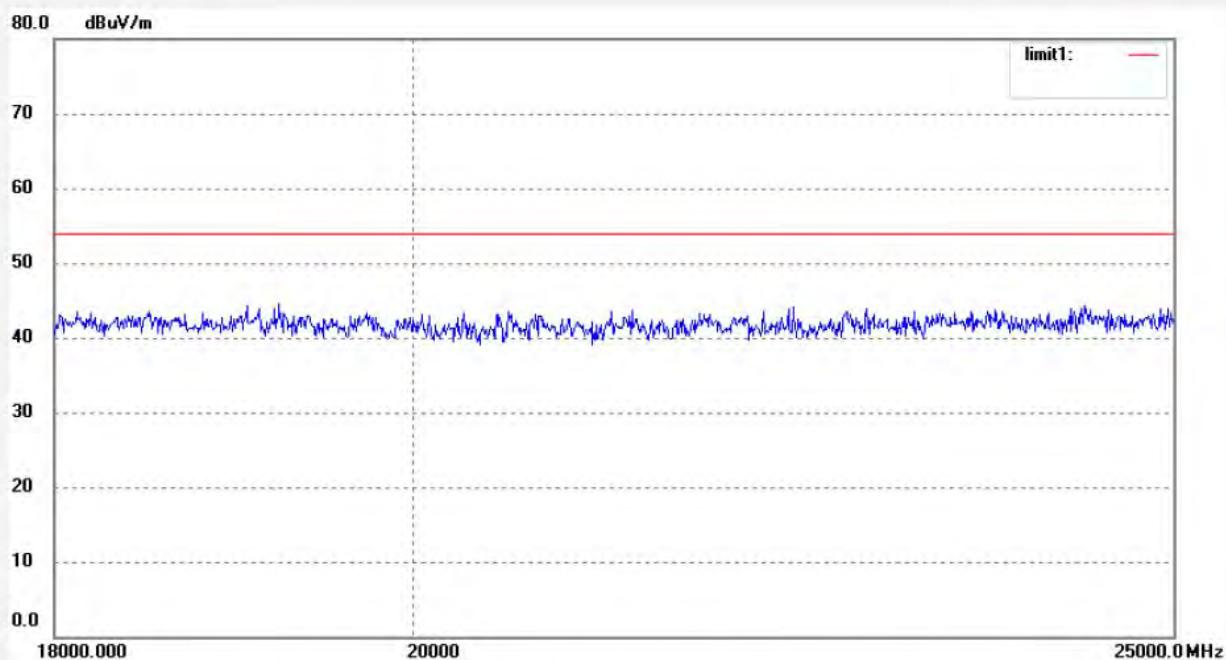
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	star #2248	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp. (C)/Hum.(%)	25 C / 55 %	Time:	12/59/36
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 6(802.11n)	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2201

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/28/13

EUT: IP Camera

Engineer Signature: STAR

Mode: TX Channel 11(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



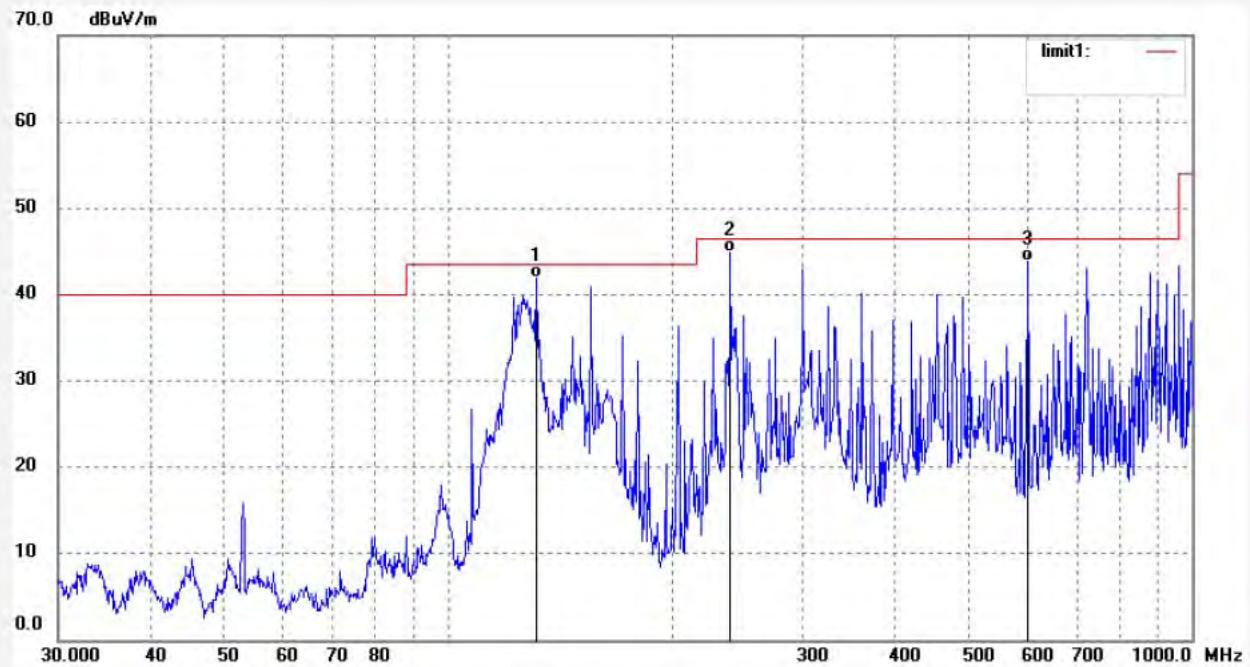
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	64.56	-19.80	44.76	46.50	-1.74	QP			
2	601.4265	56.74	-11.65	45.09	46.50	-1.41	QP			
3	721.7259	53.10	-9.28	43.82	46.50	-2.68	QP			


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 Site: 1# Chamber
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Job No.:	star #2202	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	10/32/48
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 11(802.11n)	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	65.09	-23.12	41.97	43.50	-1.53	QP			
2	239.9874	64.68	-19.80	44.88	46.50	-1.62	QP			
3	601.4265	55.53	-11.65	43.88	46.50	-2.62	QP			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2225

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/45/05

EUT: IP Camera

Engineer Signature: STAR

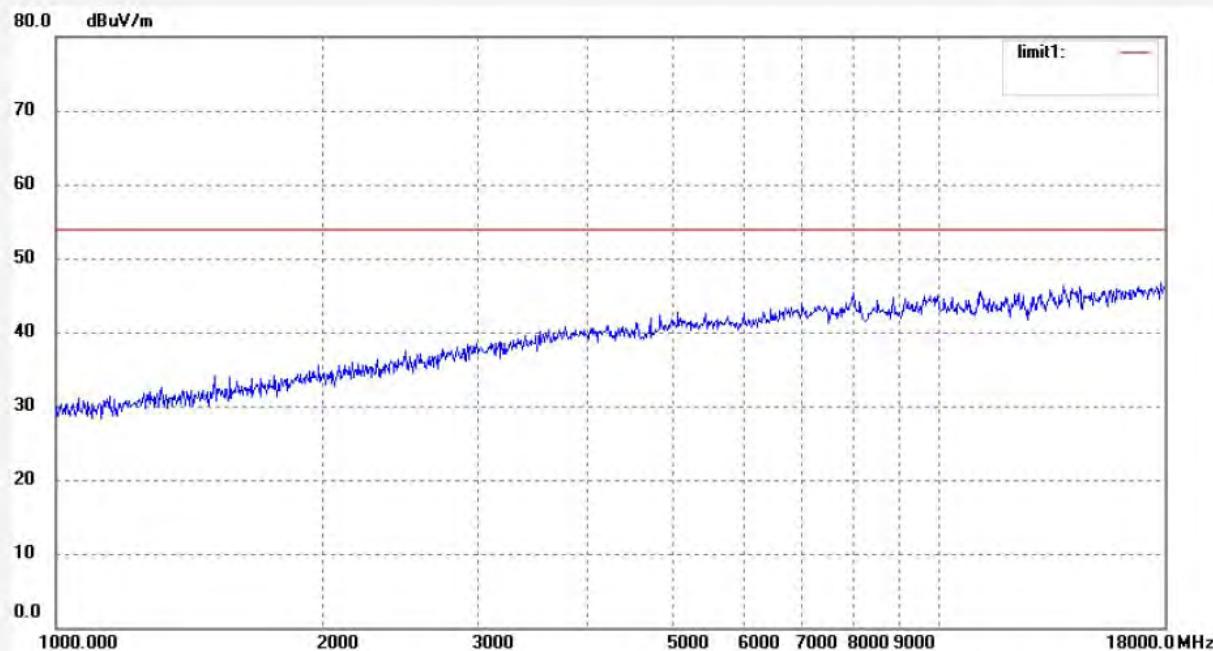
Mode: TX Channel 11(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



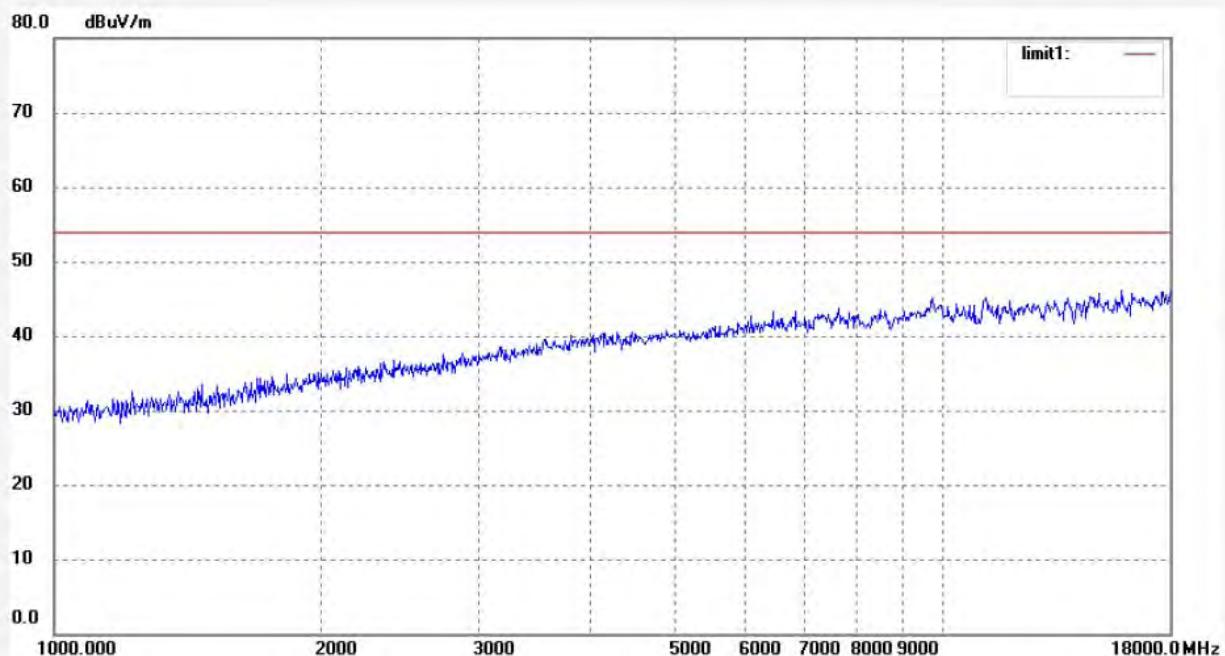
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.:	star #2226	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	11/48/46
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 11(802.11n)	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



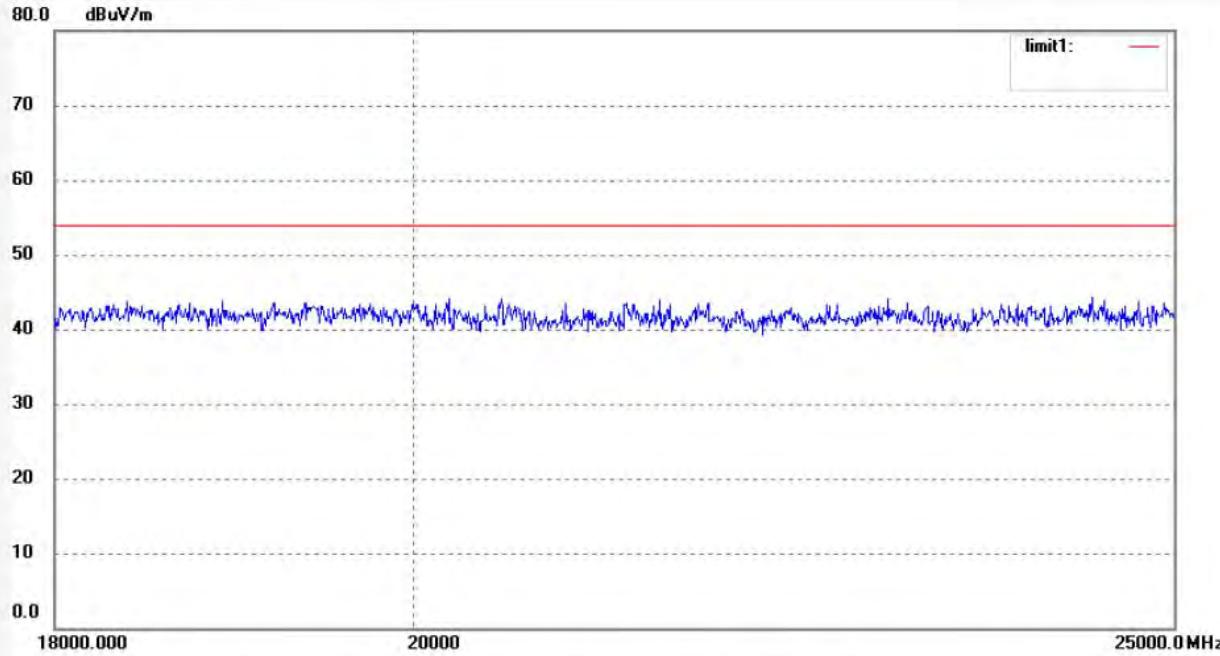
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2249	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/02/41
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark



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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: star #2250

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp. (C)/Hum.(%) 25 C / 55 %

Time: 13/05/44

EUT: IP Camera

Engineer Signature: STAR

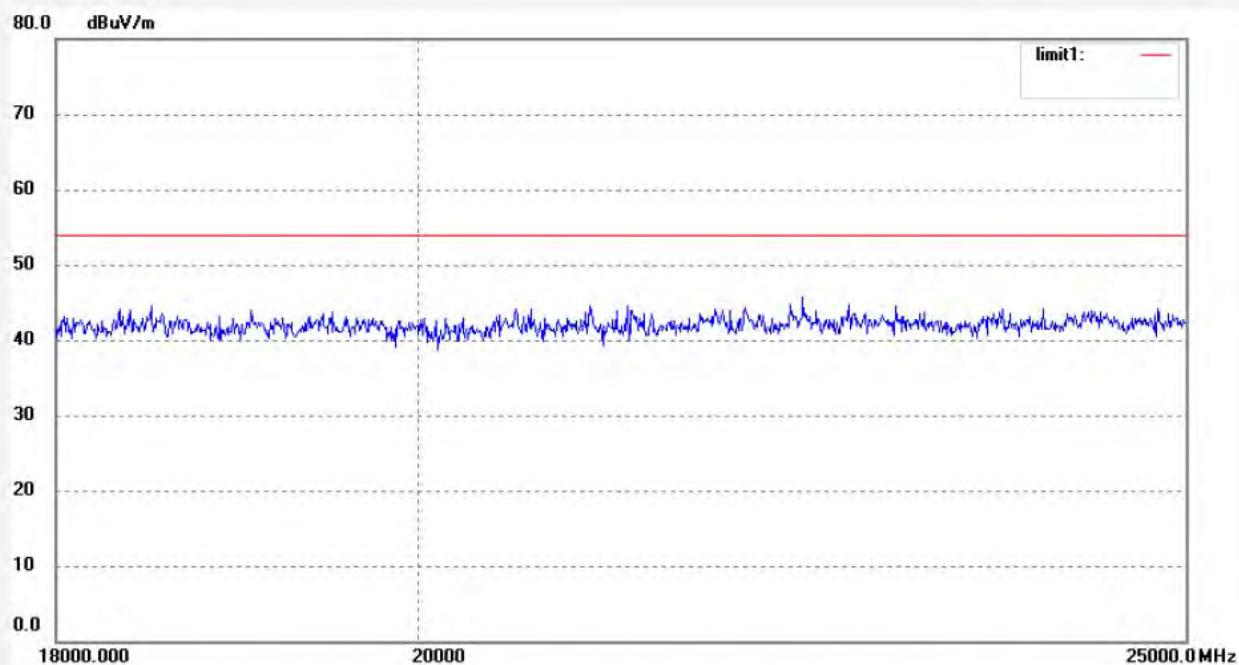
Mode: TX Channel 11(802.11n)

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



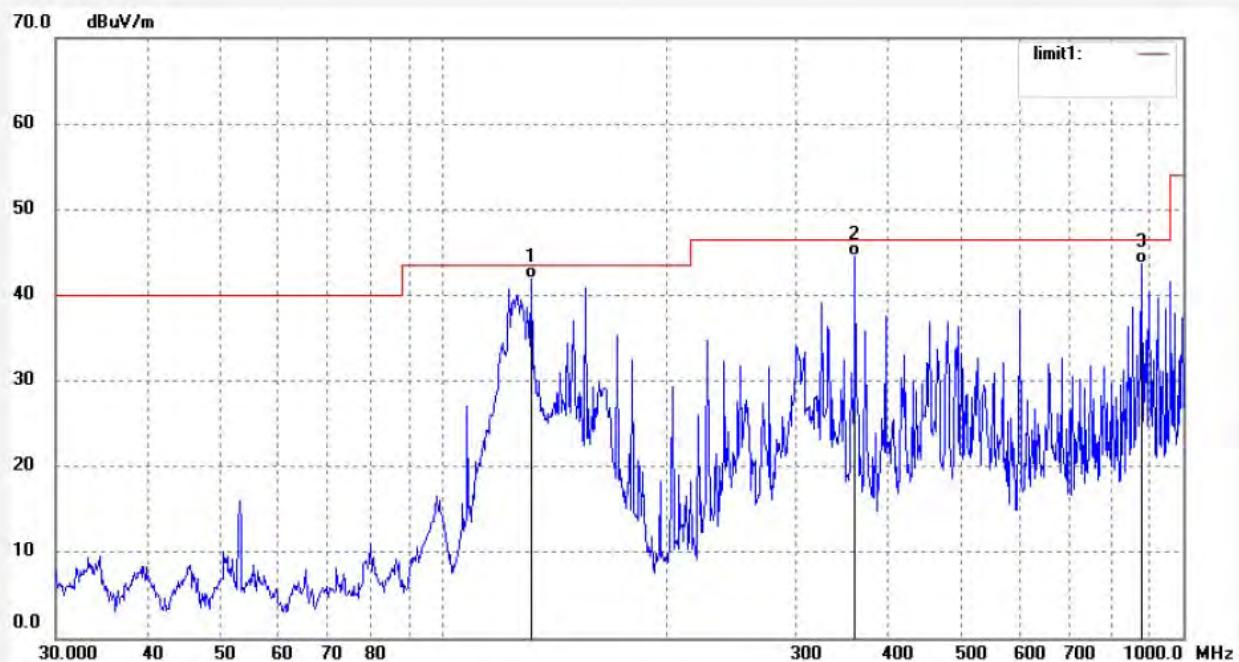
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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Job No.: star #2203	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/35/31
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	65.00	-23.12	41.88	43.50	-1.62	QP			
2	360.4476	60.53	-15.92	44.61	46.50	-1.89	QP			
3	878.3214	50.17	-6.47	43.70	46.50	-2.80	QP			


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 Fax:+86-0755-26503396

Job No.: star #2204	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/38/04
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	65.15	-19.80	45.35	46.50	-1.15	QP			
2	601.4265	56.36	-11.65	44.71	46.50	-1.79	QP			
3	721.7259	53.03	-9.28	43.75	46.50	-2.75	QP			


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Job No.: star #2227

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 11/51/26

EUT: IP Camera

Engineer Signature: STAR

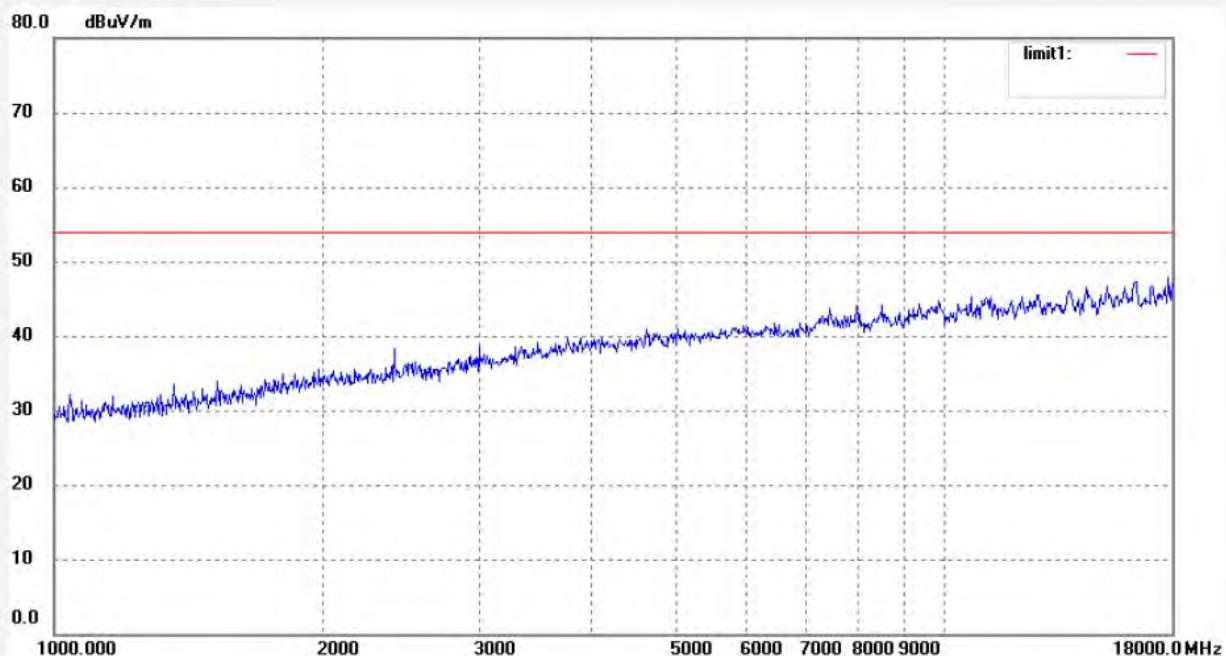
Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



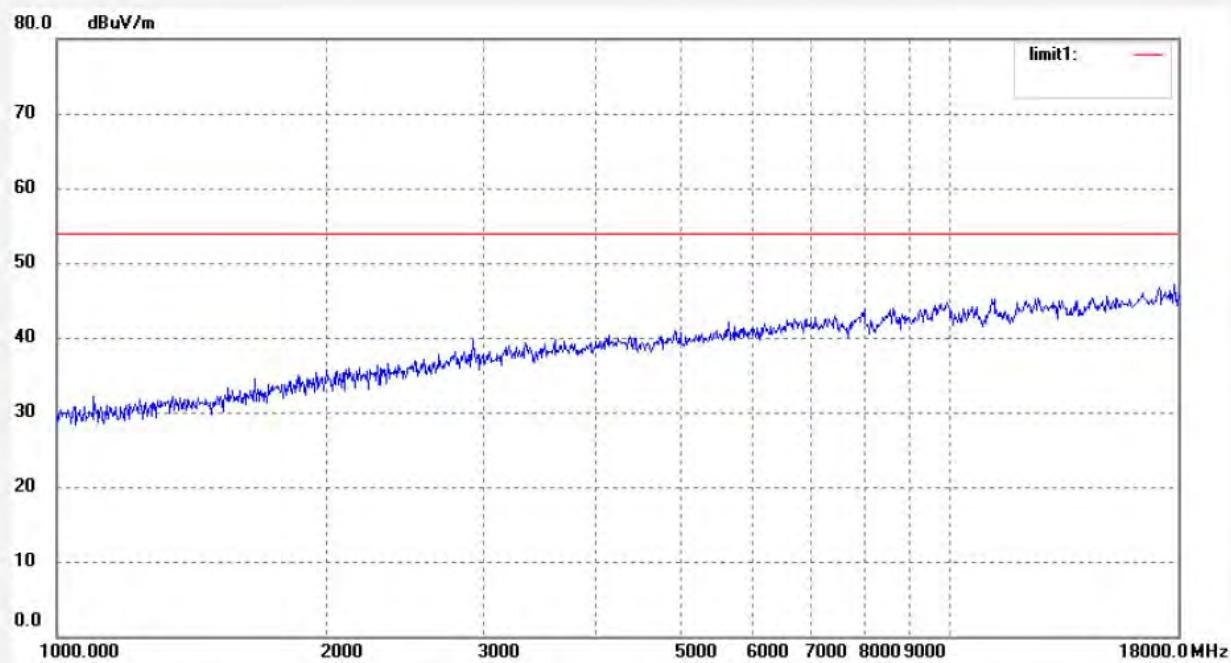
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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Job No.:	star #2228	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp. (C)/Hum.(%)	25 C / 55 %	Time:	11/54/10
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 3(802.11n)40MHz	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2251

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/08/02

EUT: IP Camera

Engineer Signature: STAR

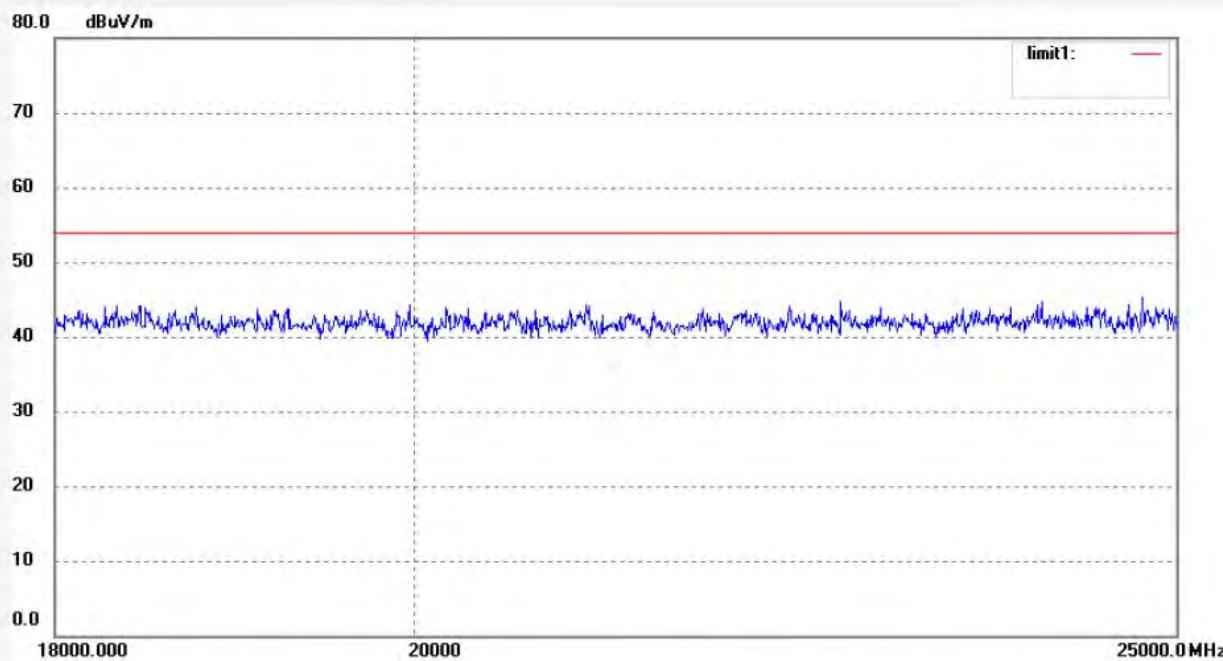
Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



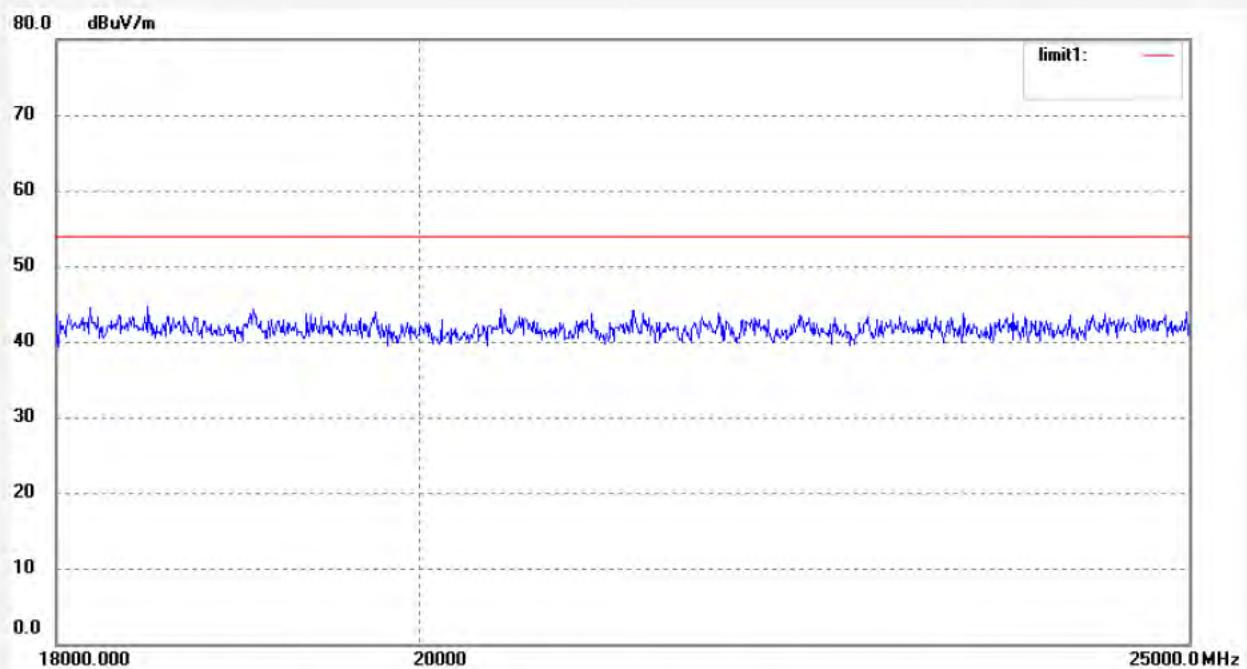
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2252	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 13/11/05
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
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Job No.: star #2205

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/41/52

EUT: IP Camera

Engineer Signature: STAR

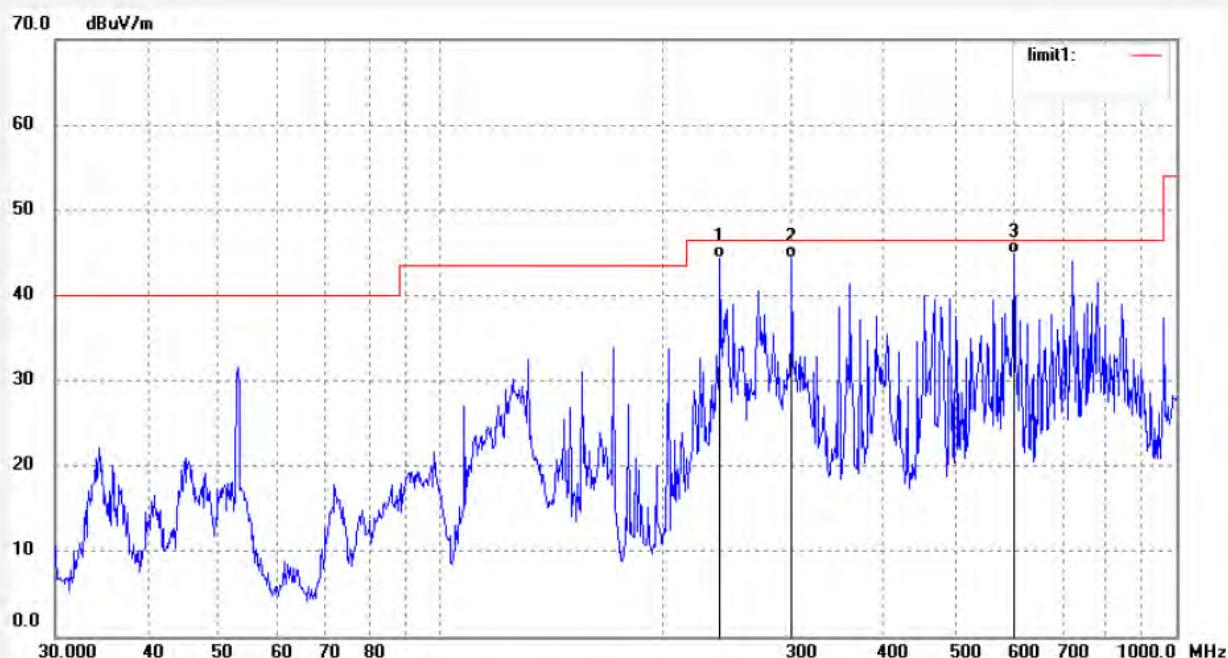
Mode: TX Channel 6(802.11n)40MHz

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



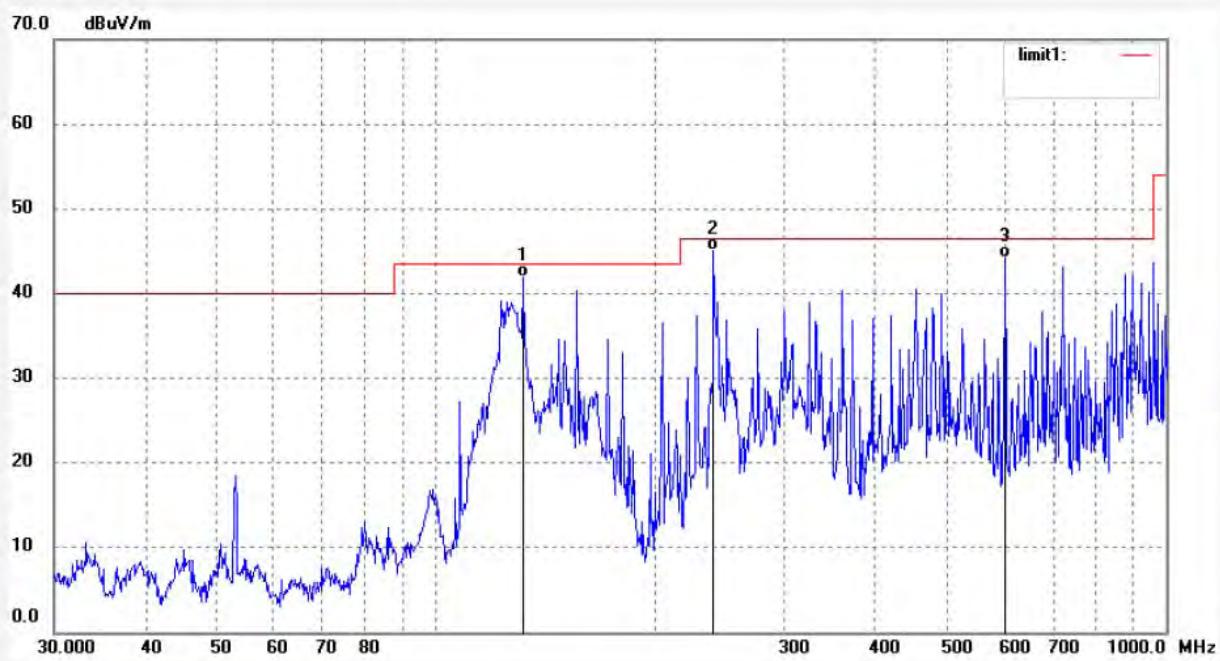
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	64.19	-19.80	44.39	46.50	-2.11	QP			
2	300.3672	62.15	-17.86	44.29	46.50	-2.21	QP			
3	601.4265	56.52	-11.65	44.87	46.50	-1.63	QP			


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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2206	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/44/59
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



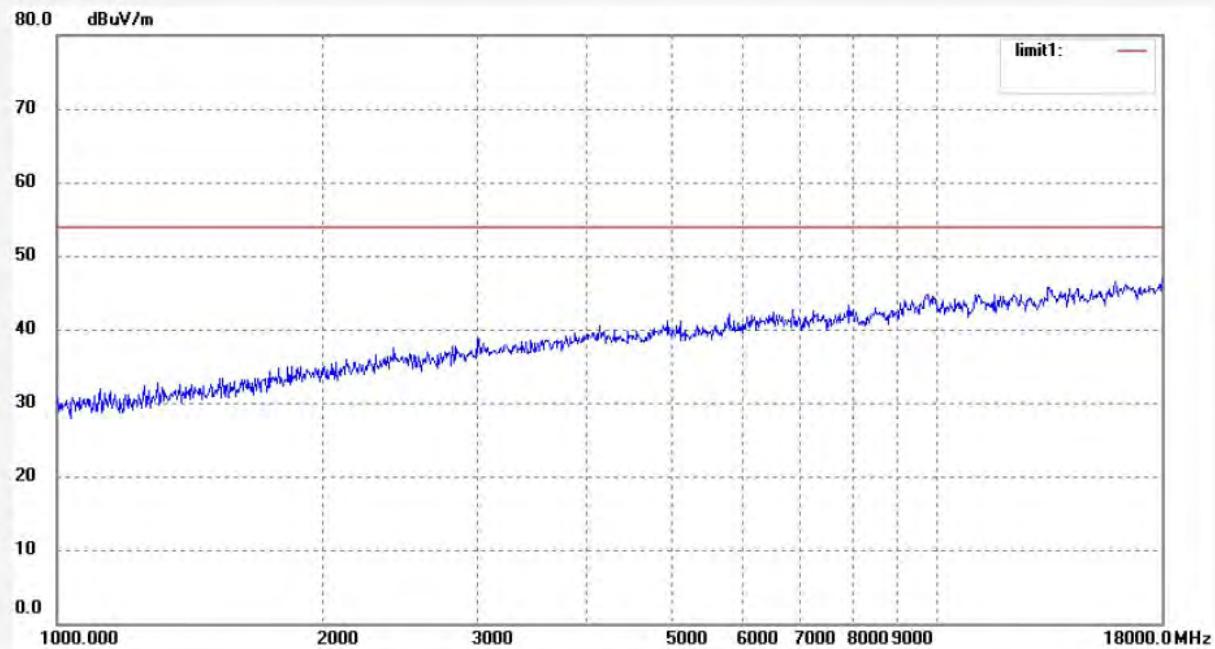
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7577	65.09	-23.12	41.97	43.50	-1.53	QP			
2	239.9874	64.89	-19.80	45.09	46.50	-1.41	QP			
3	601.4265	55.90	-11.65	44.25	46.50	-2.25	QP			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2229	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11/58/52
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



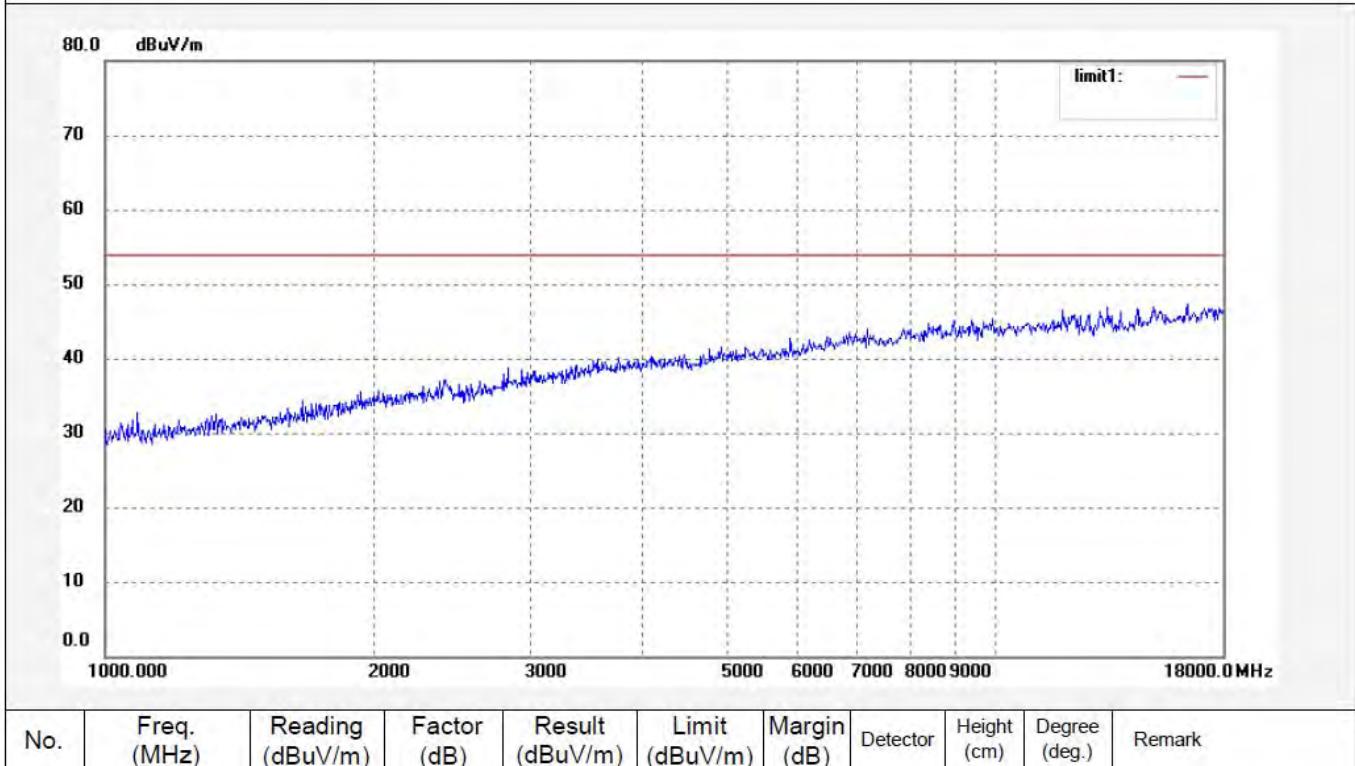
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2230	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp. (C)/Hum.(%) 25 C / 55 %	Time: 12/02/44
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

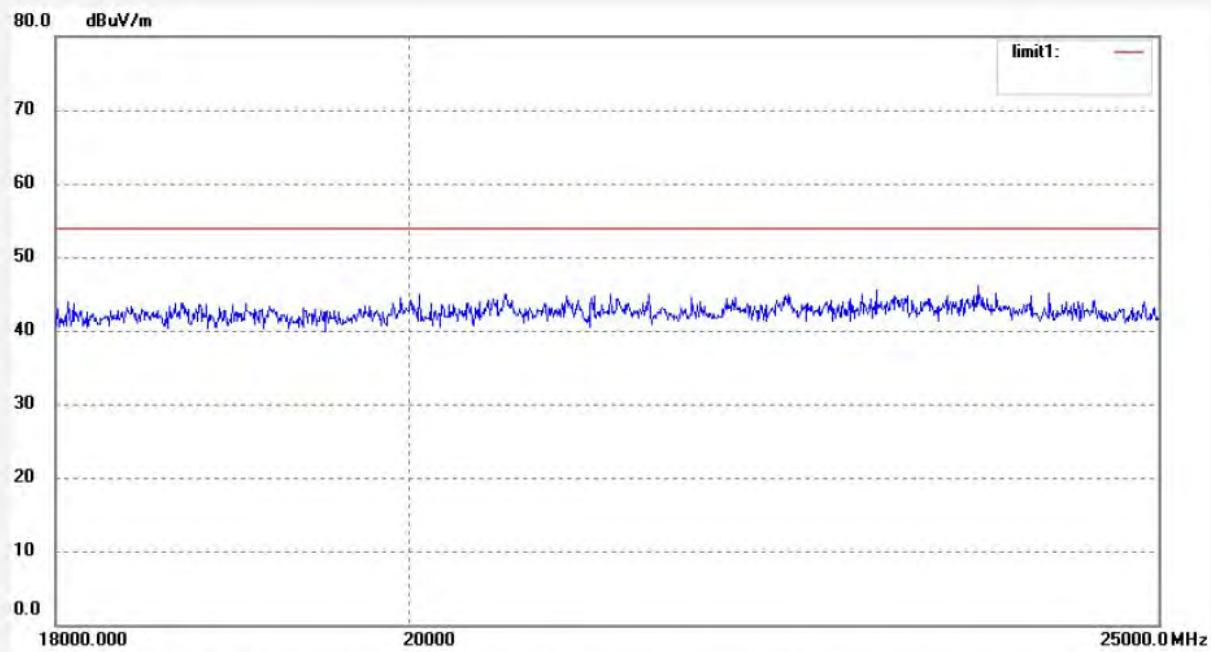

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2253	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/15/11
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	

Note: Report No.:ATE20131557



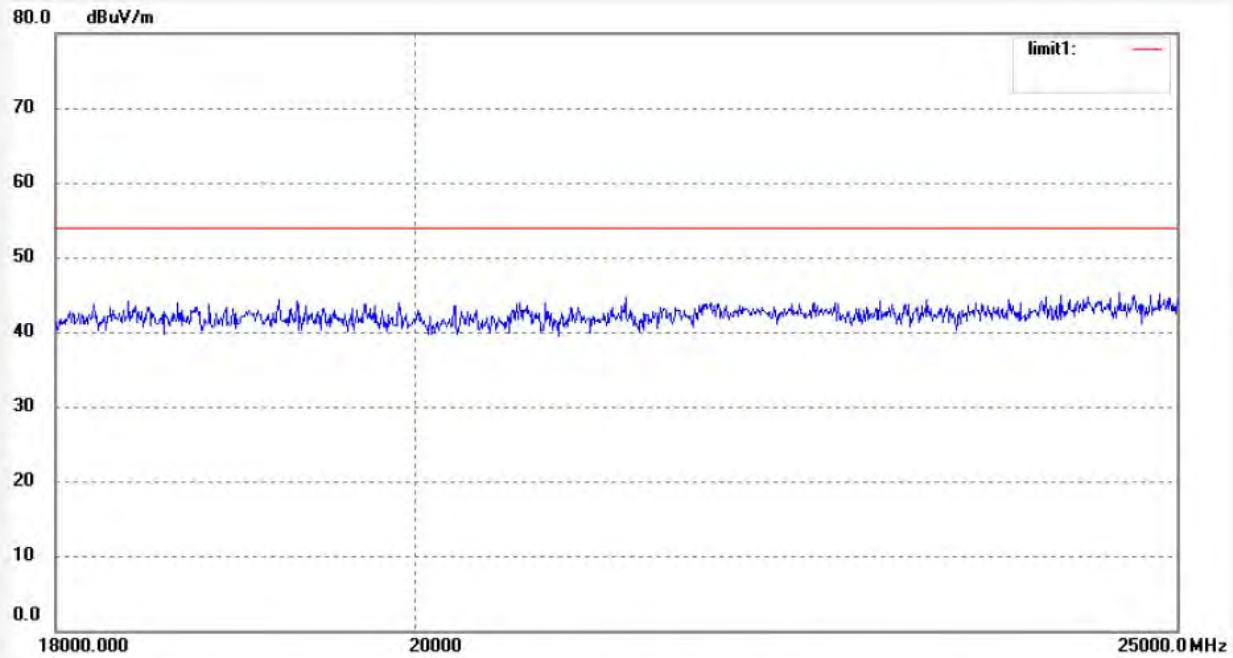
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	star #2254	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp. (C)/Hum.(%)	25 C / 55 %	Time:	13/18/13
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 6(802.11n)40MHz	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		
Note:	Report No.:ATE20131557		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

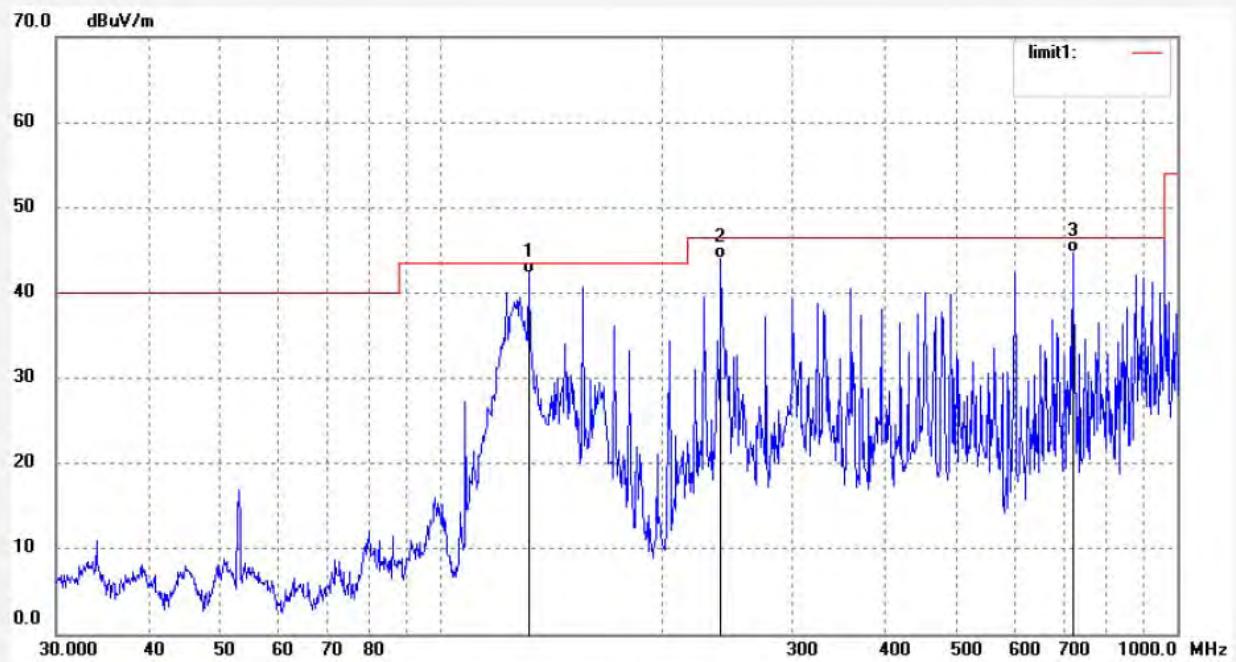

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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	star #2207	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	13/07/23/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	10/47/34
EUT:	IP Camera	Engineer Signature:	STAR
Mode:	TX Channel 9(802.11n)40MHz	Distance:	3m
Model:	APM-J8015-WS		
Manufacturer:	APEXIS		

Note:	Report No.:ATE20131557
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No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	131.7576	65.33	-23.12	42.21	43.50	-1.29	QP			
2	239.9874	63.83	-19.80	44.03	46.50	-2.47	QP			
3	721.7259	53.91	-9.28	44.63	46.50	-1.87	QP			


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2208

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 10/50/12

EUT: IP Camera

Engineer Signature: STAR

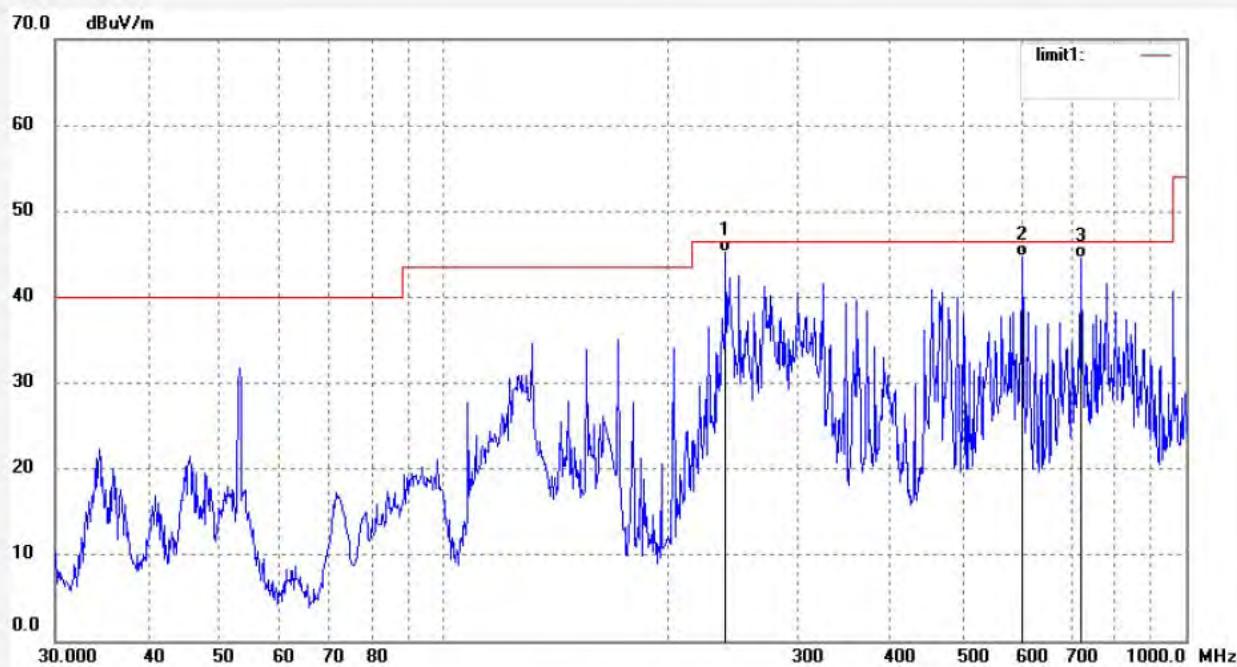
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9874	65.03	-19.80	45.23	46.50	-1.27	QP			
2	601.4265	56.31	-11.65	44.66	46.50	-1.84	QP			
3	721.7259	53.85	-9.28	44.57	46.50	-1.93	QP			



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Site: 1# Chamber
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Fax:+86-0755-26503396

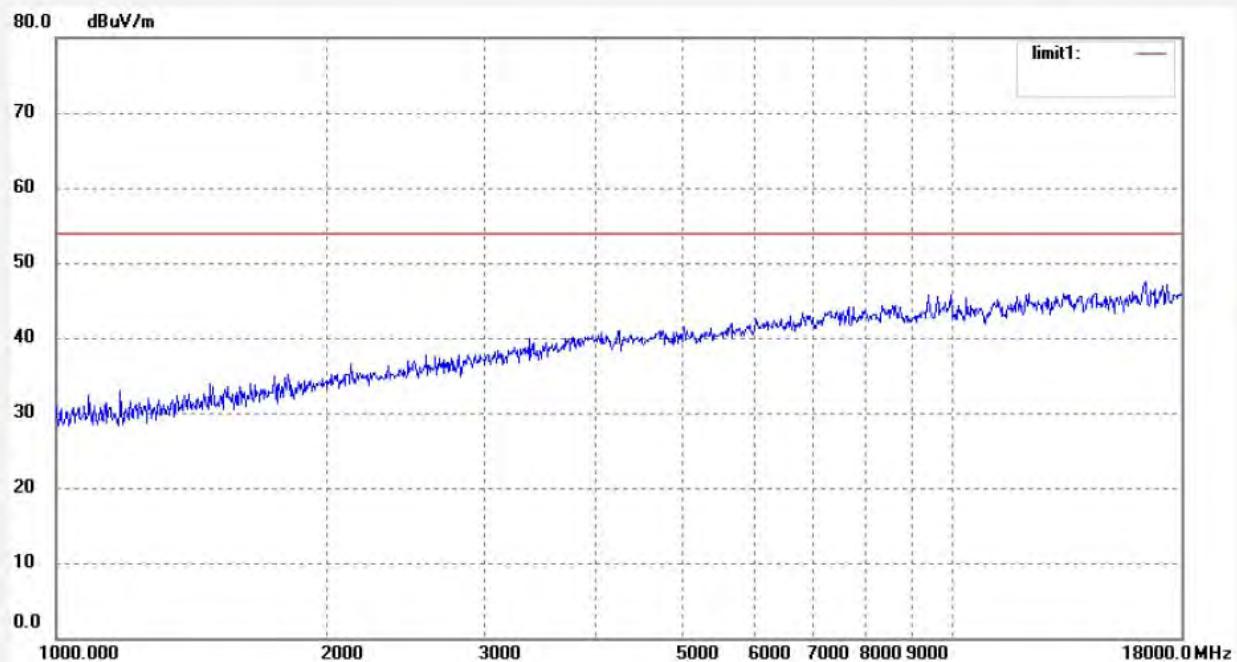
Job No.:	star #2231	Polarization:	Horizontal							
Standard:	FCC Class B 3M Radiated	Power Source:	AC 120V/60Hz							
Test item:	Radiation Test	Date:	13/07/23/							
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	12/05/34							
EUT:	IP Camera	Engineer Signature:	STAR							
Mode:	TX Channel 9(802.11n)40MHz	Distance:	3m							
Model:	APM-J8015-WS									
Manufacturer:	APEXIS									
Note:	Report No.:ATE20131557									
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 1# Chamber
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 Fax:+86-0755-26503396

Job No.: star #2232	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/08/13
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: star #2255

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/07/23/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 13/21/22

EUT: IP Camera

Engineer Signature: STAR

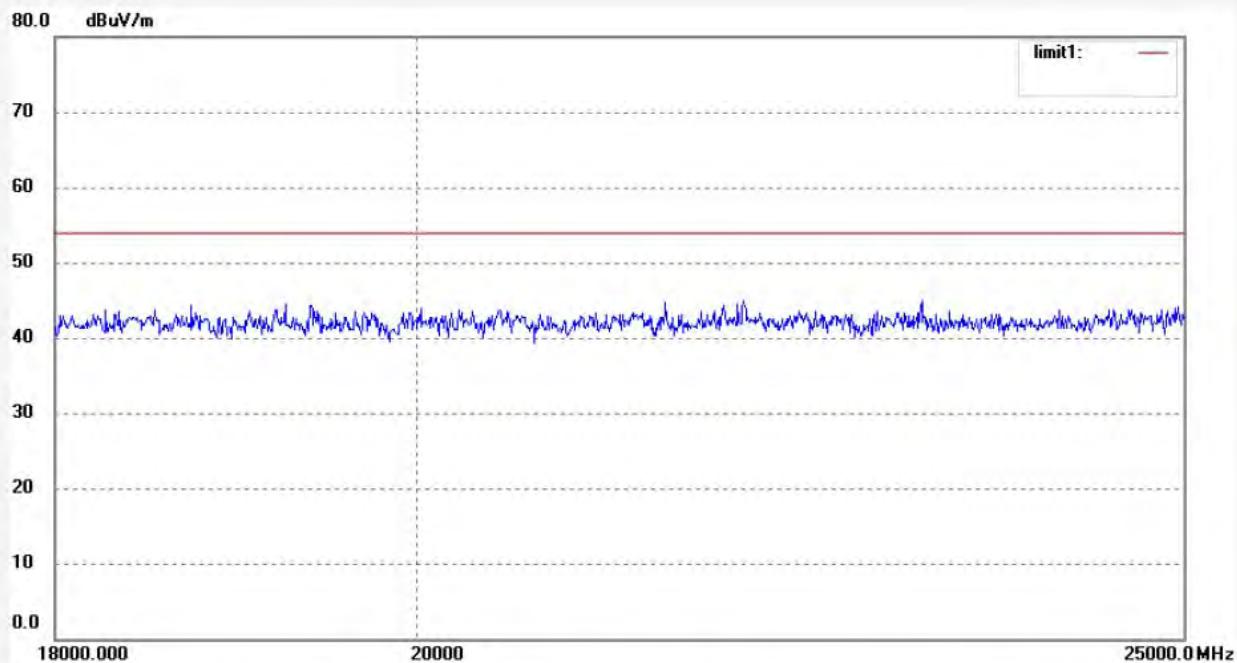
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: APM-J8015-WS

Manufacturer: APEXIS

Note: Report No.:ATE20131557



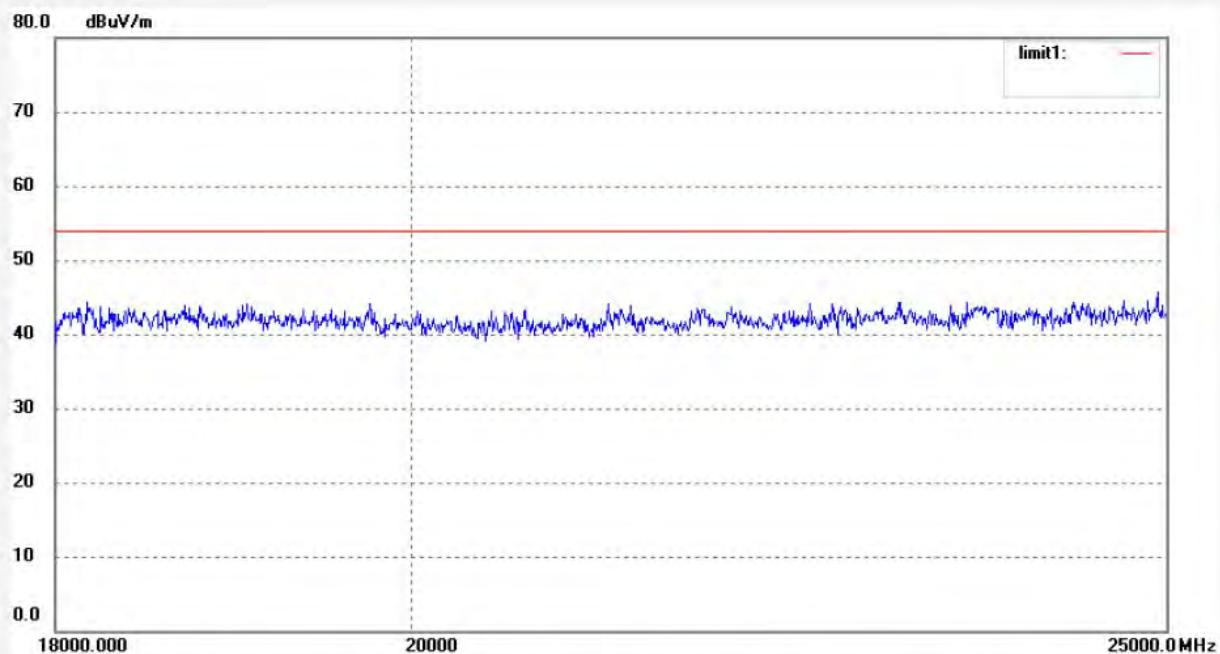
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

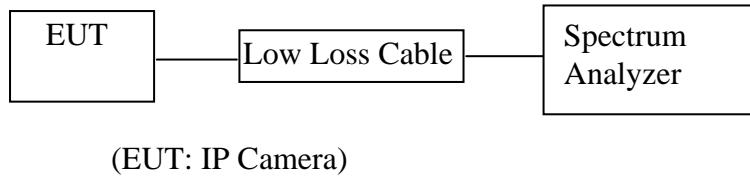
Job No.: star #2256	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/07/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/24/26
EUT: IP Camera	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: APM-J8015-WS	
Manufacturer: APEXIS	
Note: Report No.:ATE20131557	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark

10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1. Block Diagram of Test Setup



10.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3. EUT Configuration on Measurement

The following equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

10.3.1. IP Camera (EUT)

Model Number	:	APM-J8015-WS
Serial Number	:	N/A
Manufacturer	:	SHENZHEN APEXIS ELECTRONIC CO., LTD.

10.4.Operating Condition of EUT

10.4.1.Setup the EUT and simulator as shown as Section 10.1.

10.4.2.Turn on the power of all equipment.

10.4.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

10.5.Test Procedure

10.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz (below 1GHz).

10.5.3.Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).

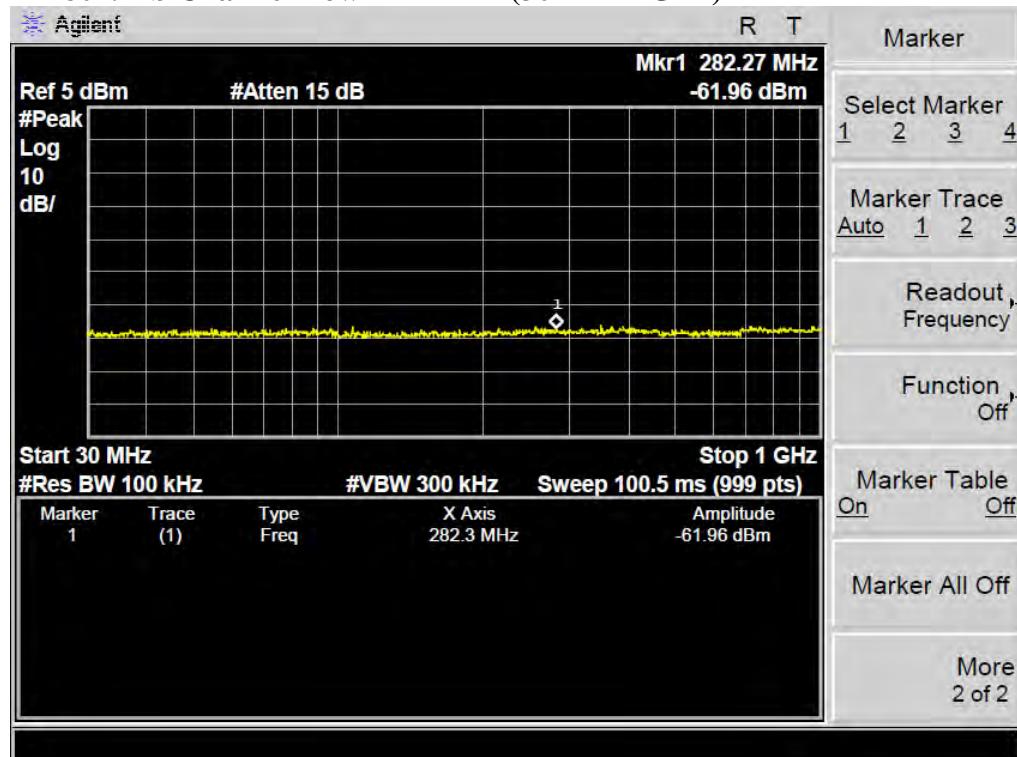
10.5.4.The Conducted Spurious Emission was measured and recorded.

10.6.Test Result

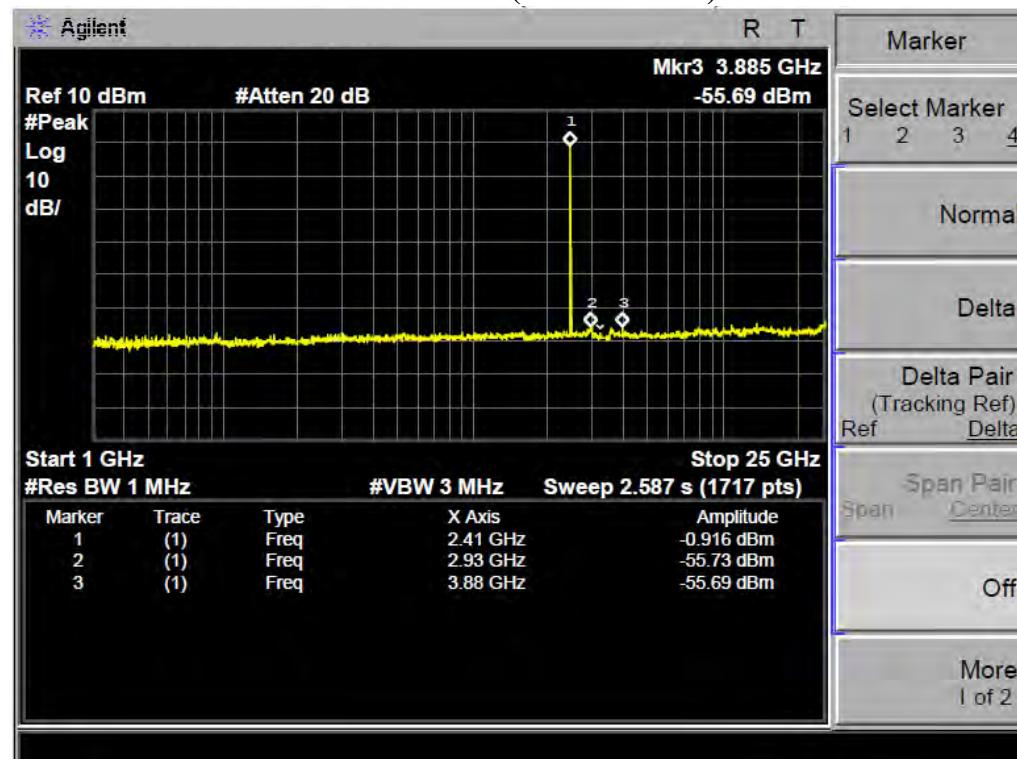
Pass.

The spectrum analyzer plots are attached as below.

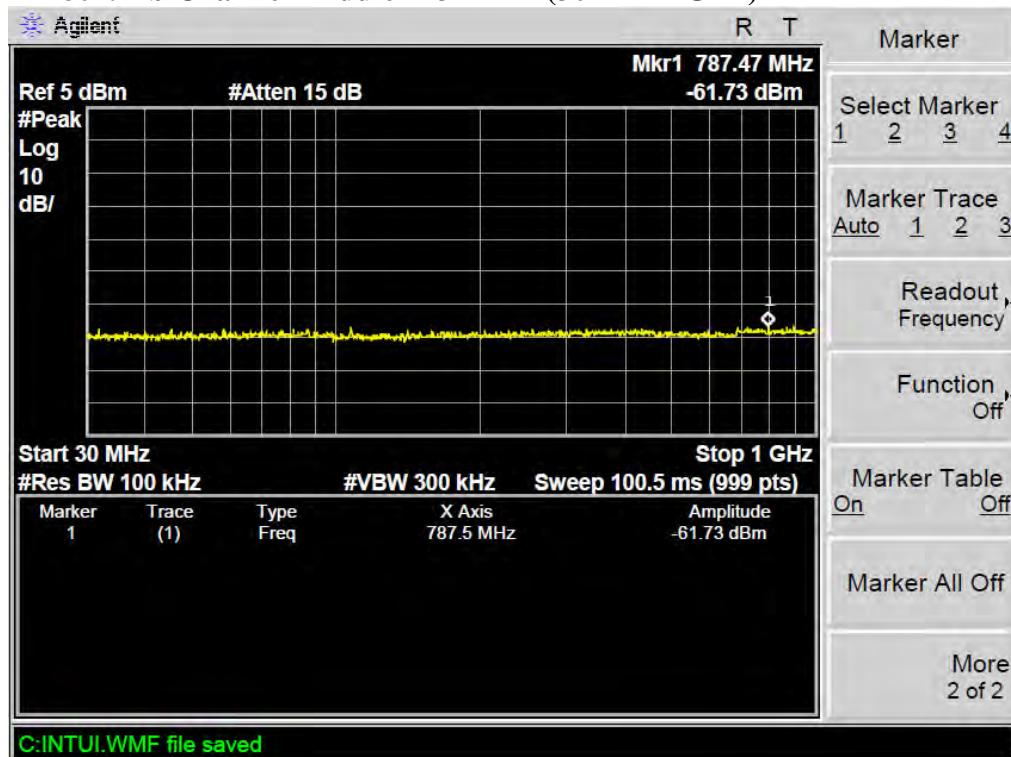
TX 802.11b Channel Low 2412MHz (30MHz-1GHz)



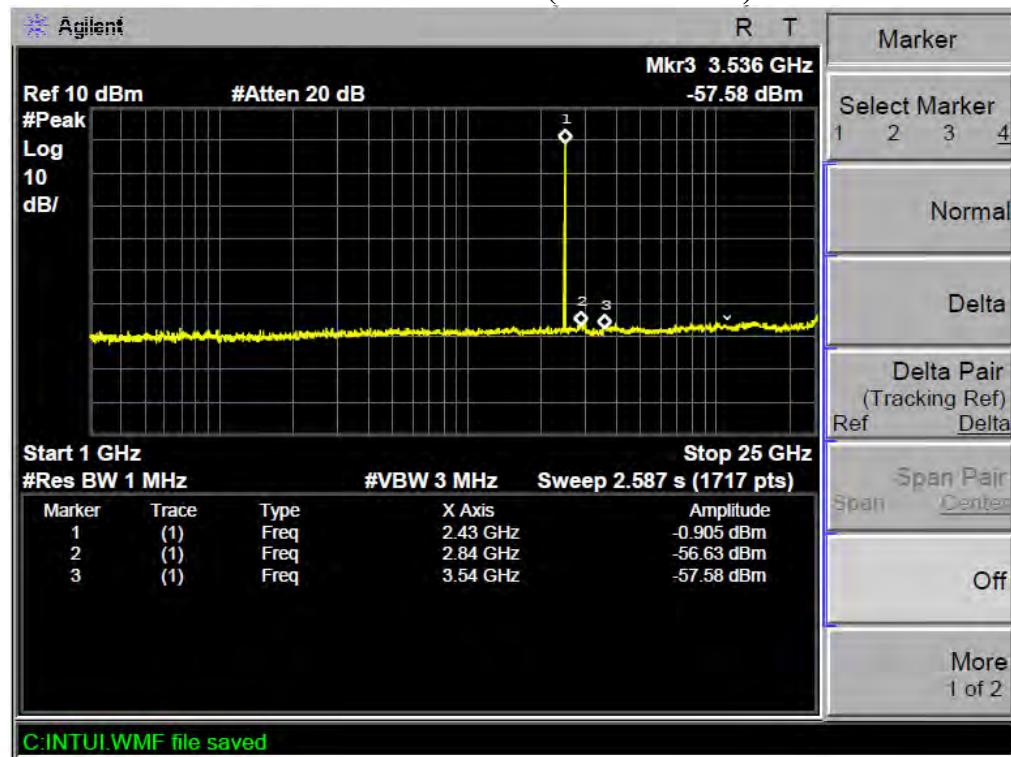
TX 802.11b Channel Low 2412MHz (1GHz-25GHz)



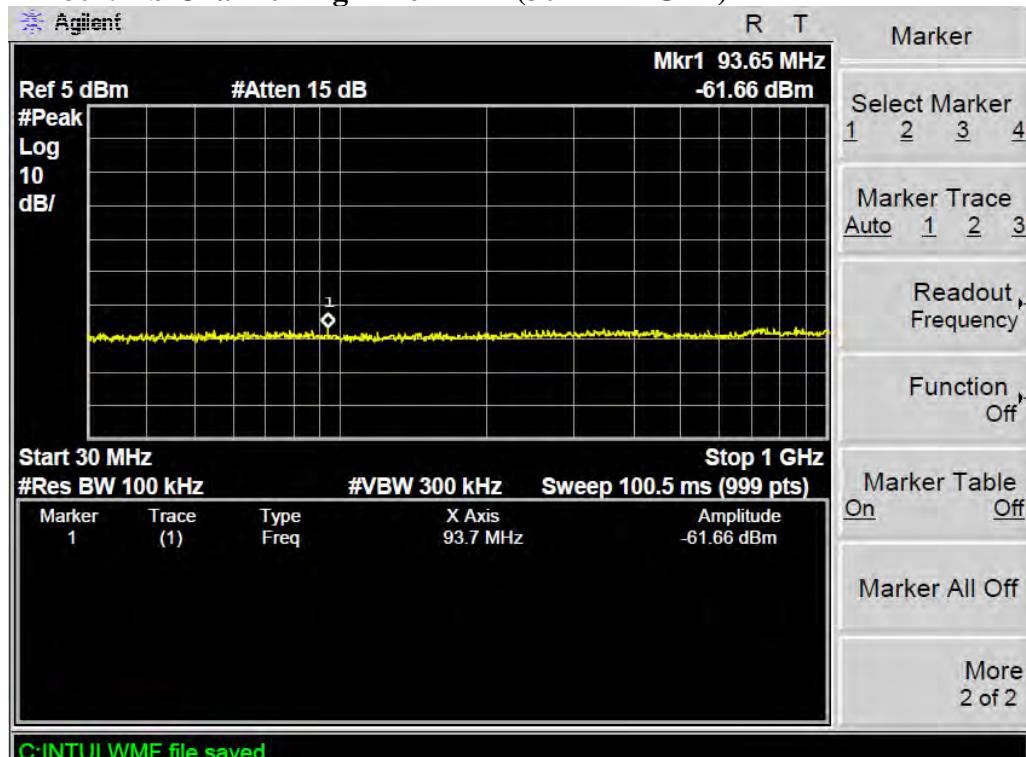
TX 802.11b Channel Middle 2437MHz (30MHz-1GHz)



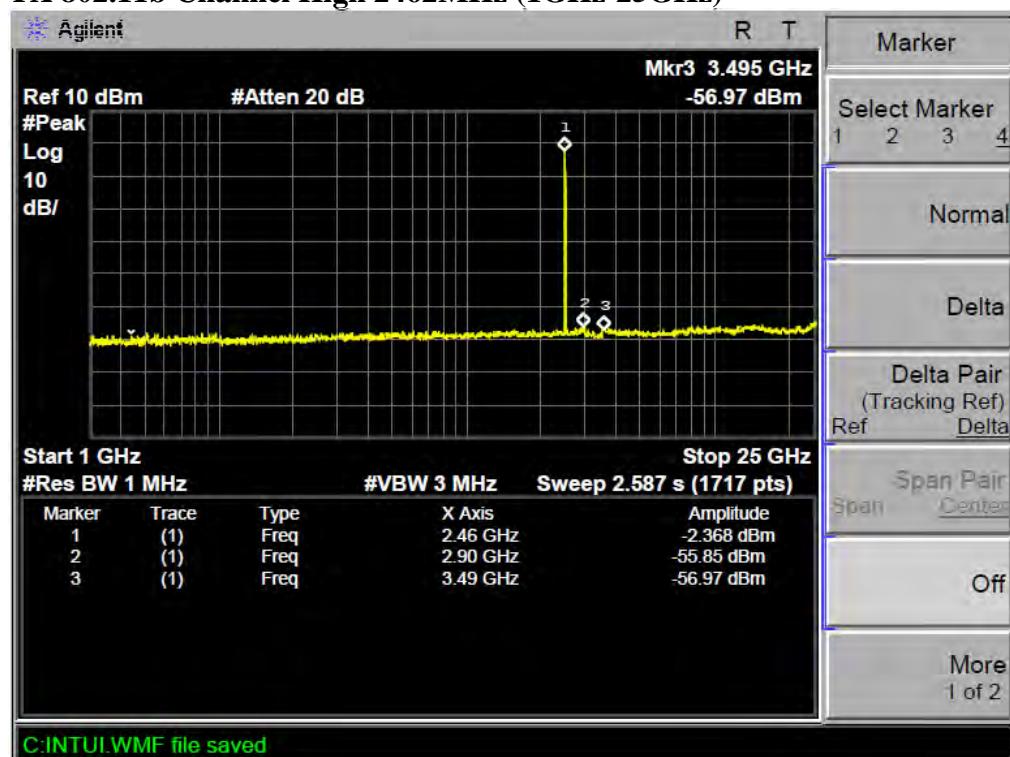
TX 802.11b Channel Middle 2437MHz (1GHz-25GHz)



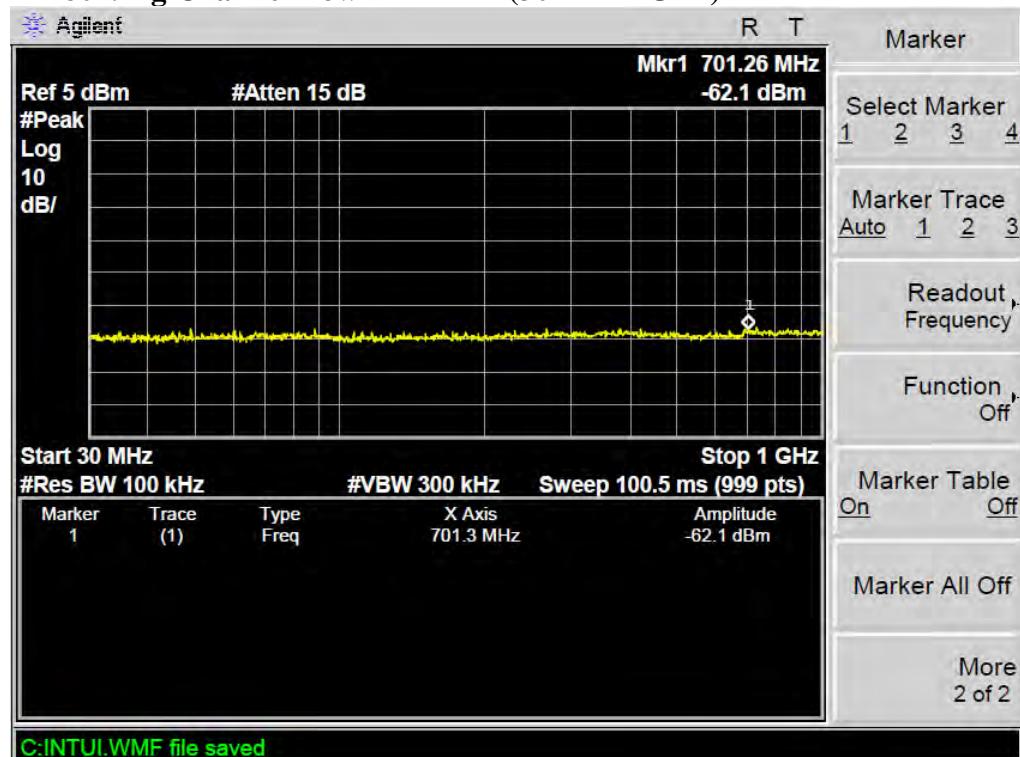
TX 802.11b Channel High 2462MHz (30MHz-1GHz)



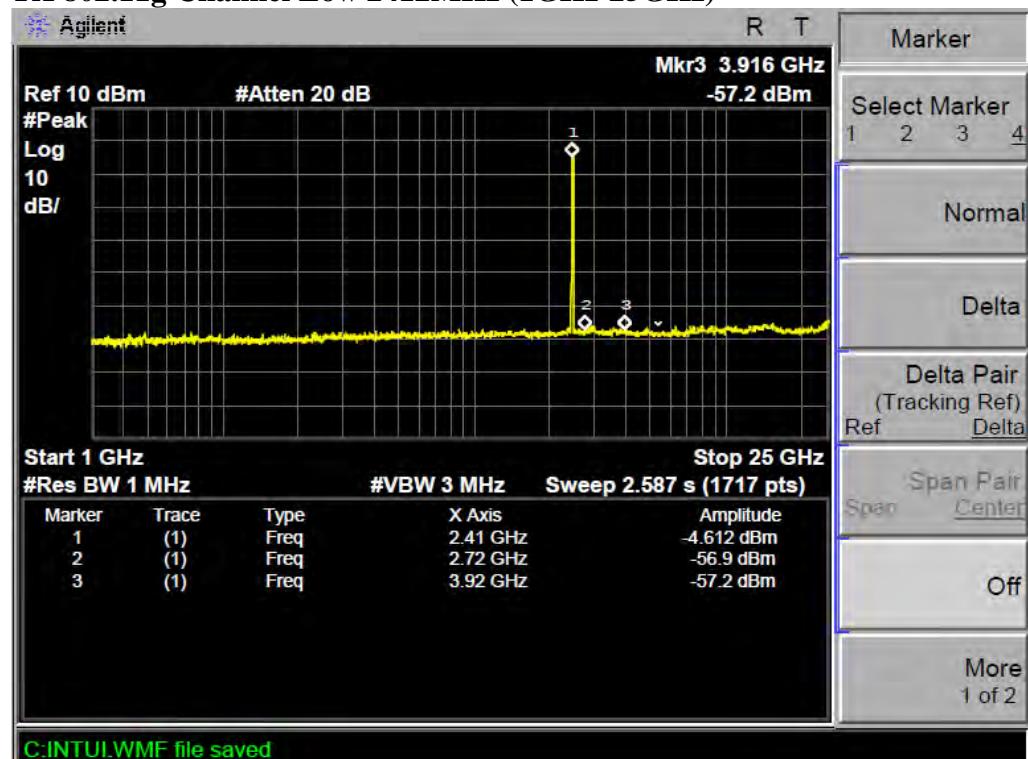
TX 802.11b Channel High 2462MHz (1GHz-25GHz)



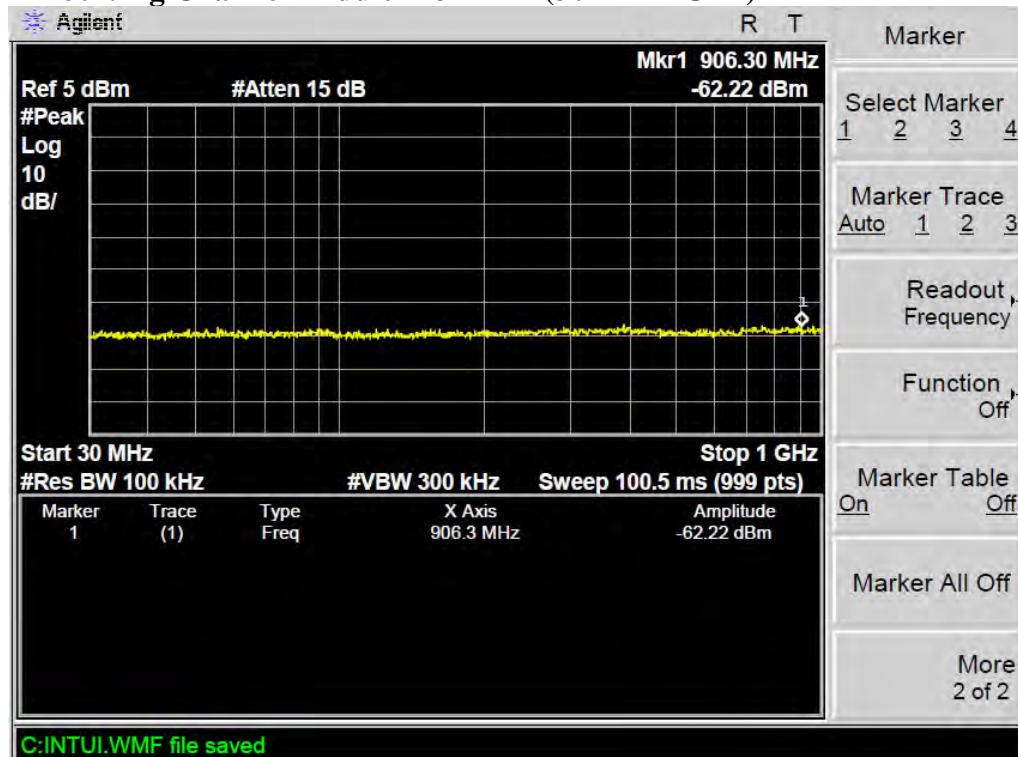
TX 802.11g Channel Low 2412MHz (30MHz-1GHz)



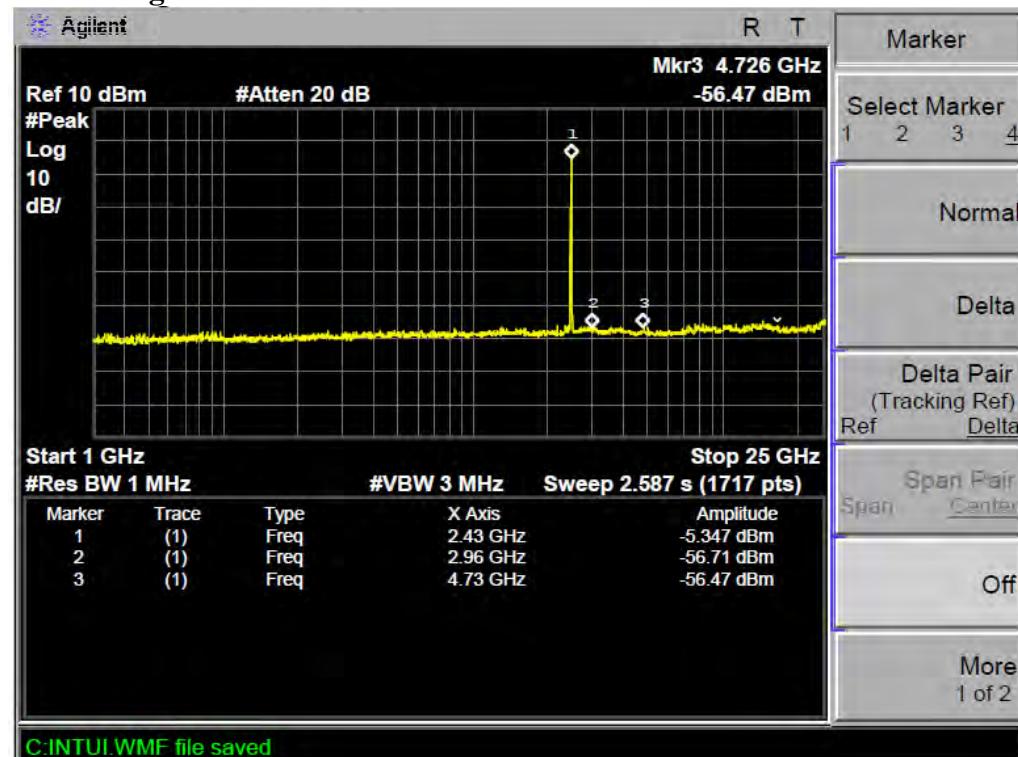
TX 802.11g Channel Low 2412MHz (1GHz-25GHz)



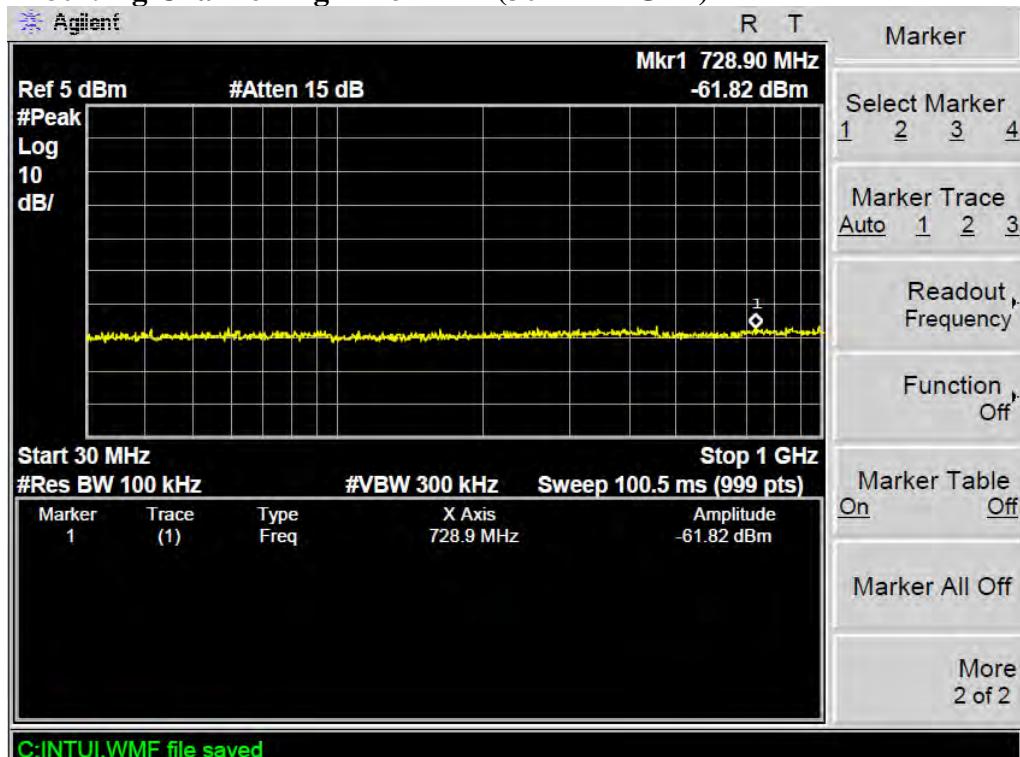
TX 802.11g Channel Middle 2437MHz (30MHz-1GHz)



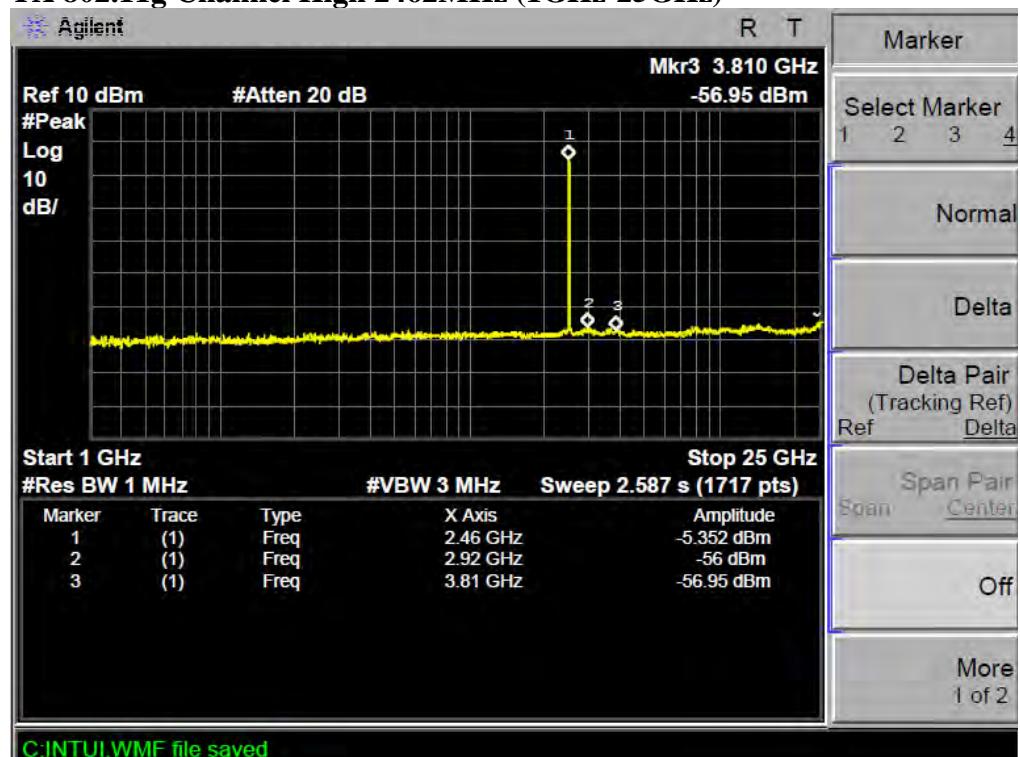
TX 802.11g Channel Middle 2437MHz



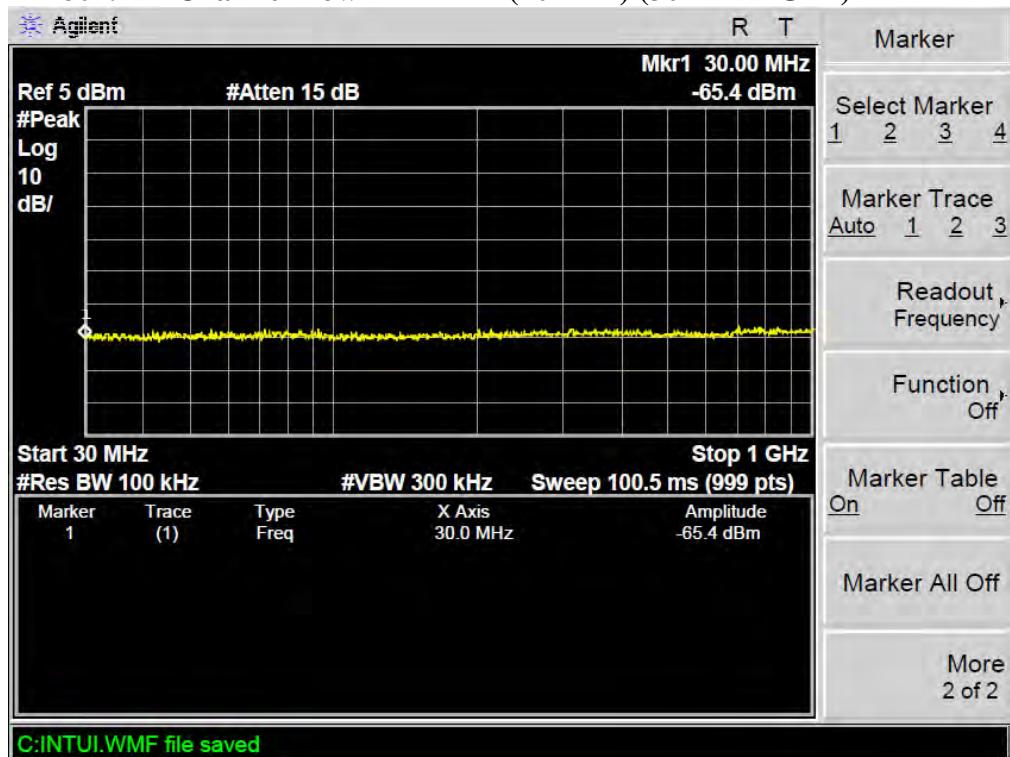
TX 802.11g Channel High 2462MHz (30MHz-1GHz)



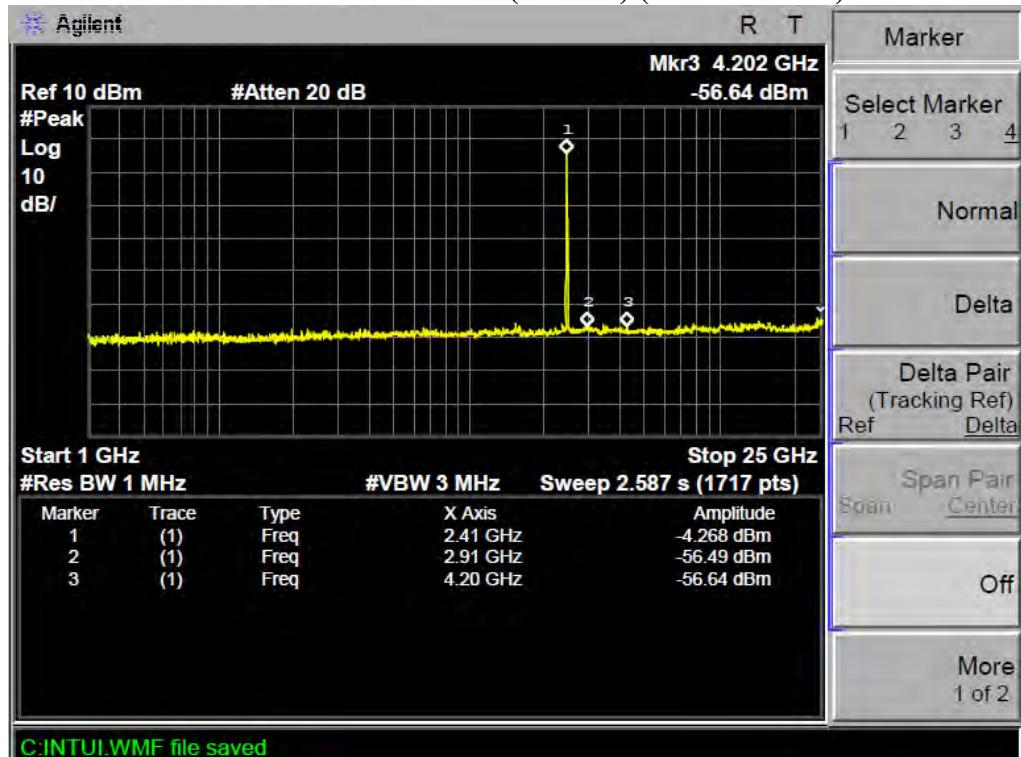
TX 802.11g Channel High 2462MHz (1GHz-25GHz)



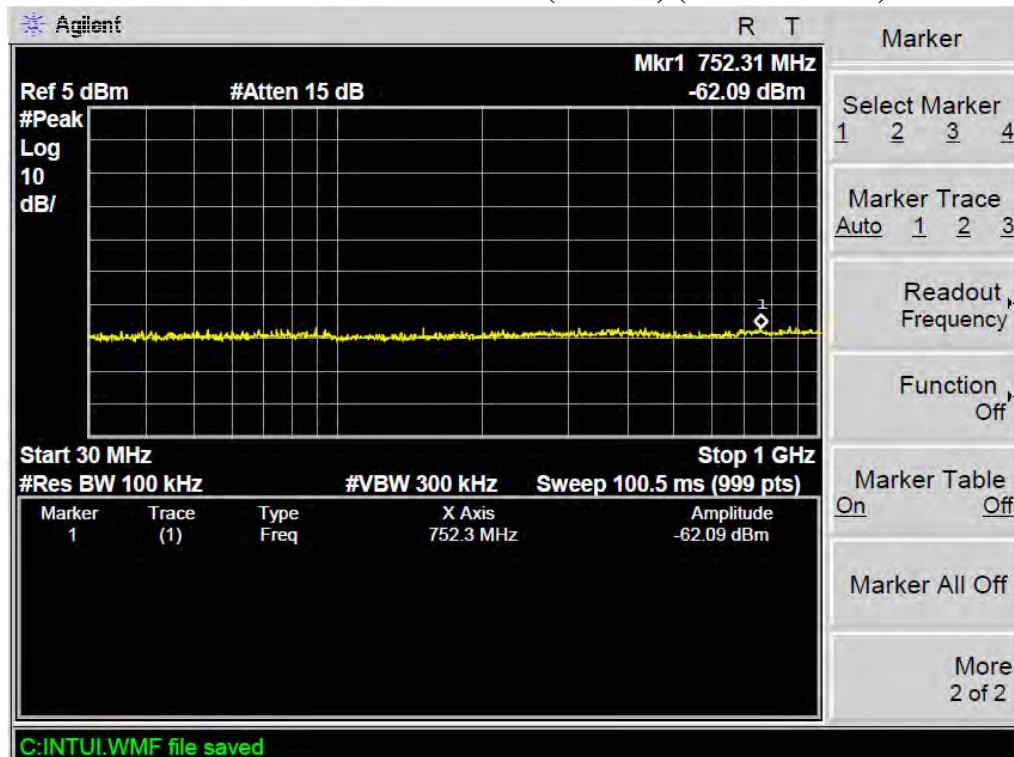
TX 802.11n Channel Low 2412MHz (20MHz) (30MHz-1GHz)



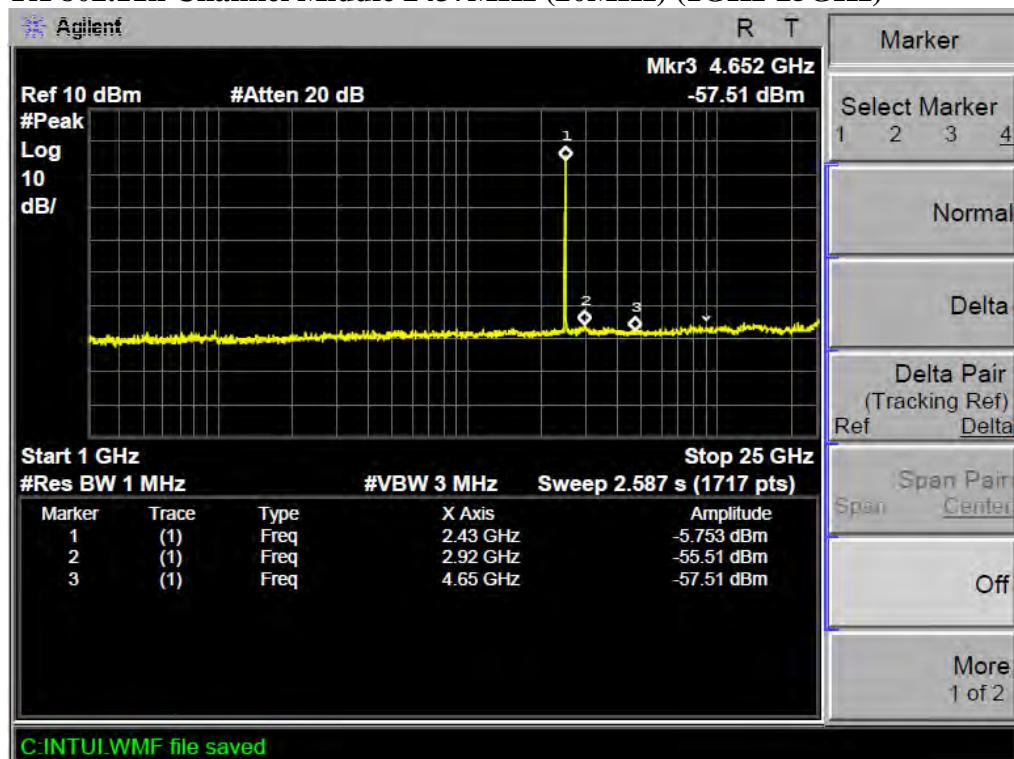
TX 802.11n Channel Low 2412MHz (20MHz) (1GHz-25GHz)



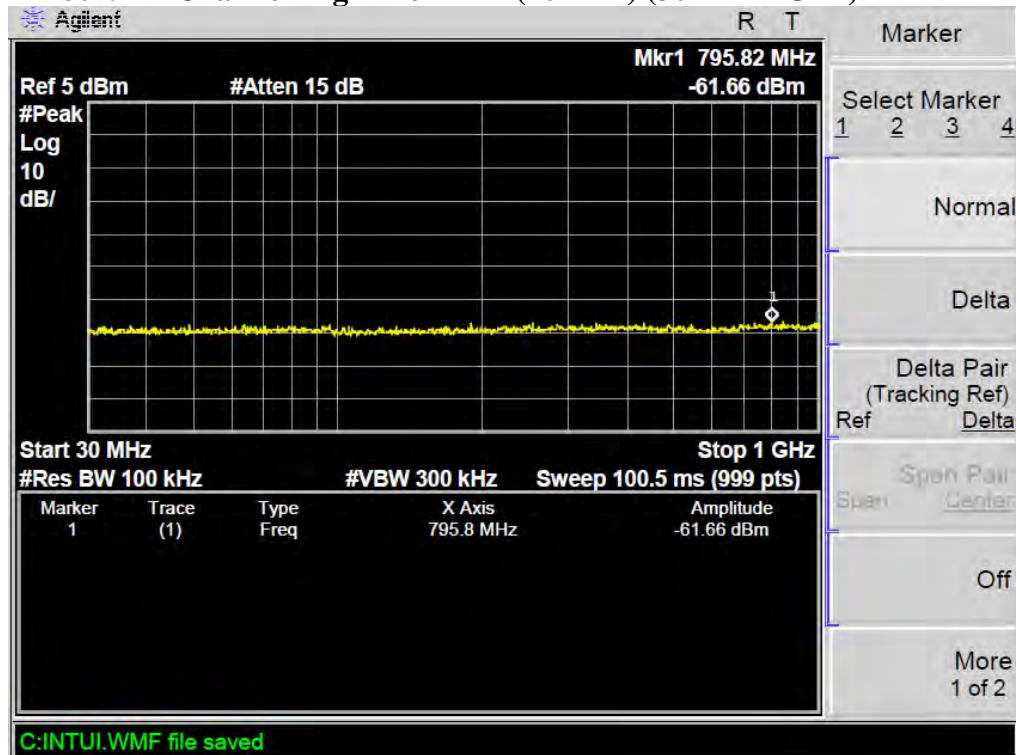
TX 802.11n Channel Middle 2437MHz (20MHz) (30MHz-1GHz)



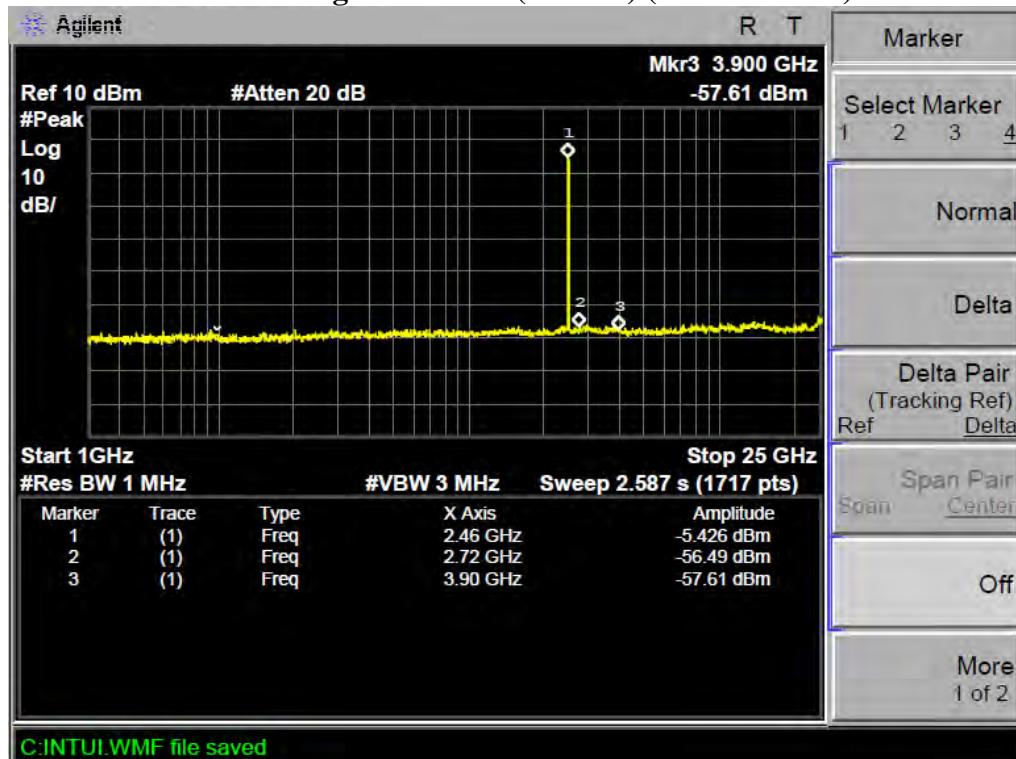
TX 802.11n Channel Middle 2437MHz (20MHz) (1GHz-25GHz)



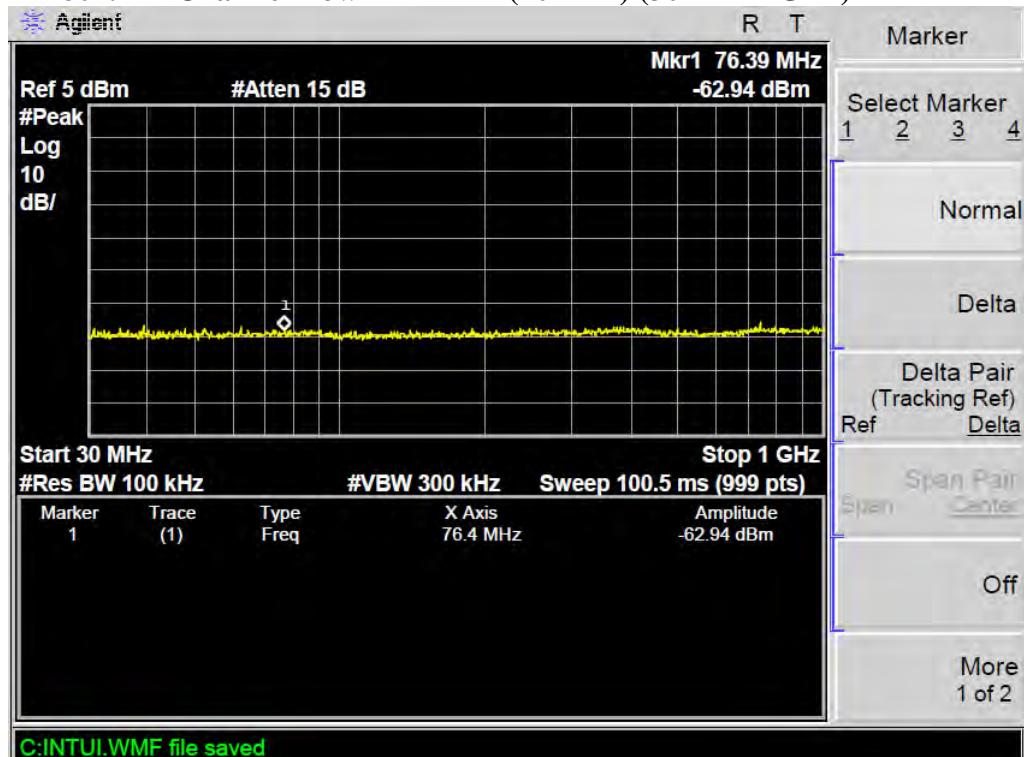
TX 802.11n Channel High 2462MHz (20MHz) (30MHz-1GHz)



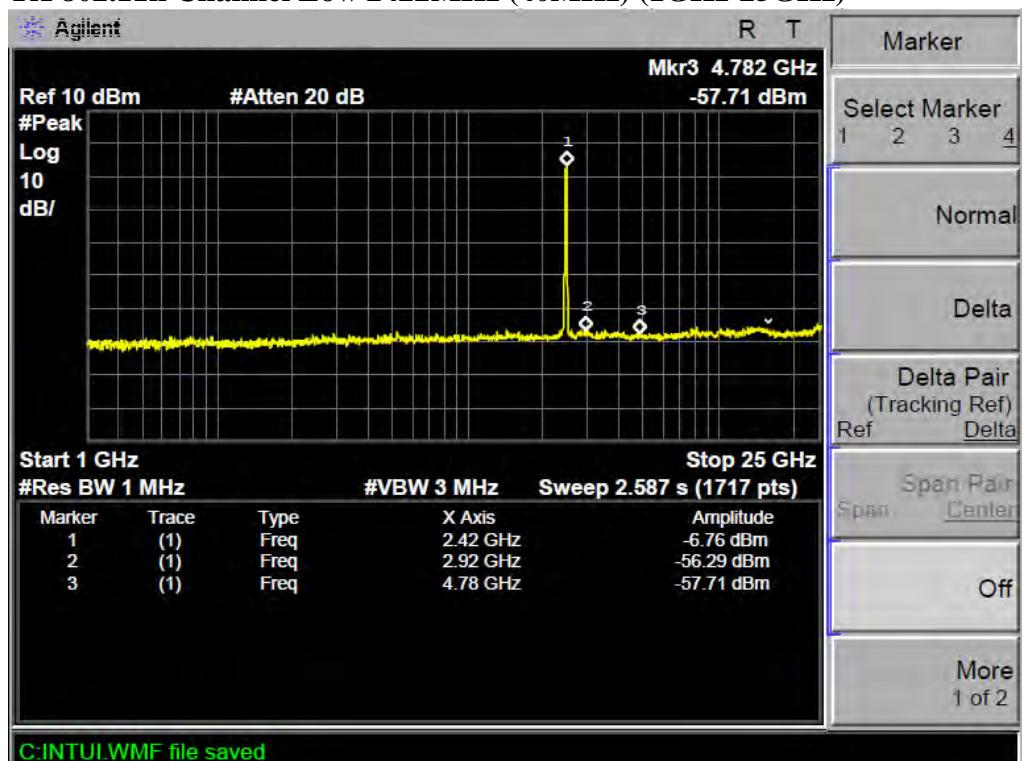
TX 802.11n Channel High 2462MHz (20MHz) (1GHz-25GHz)



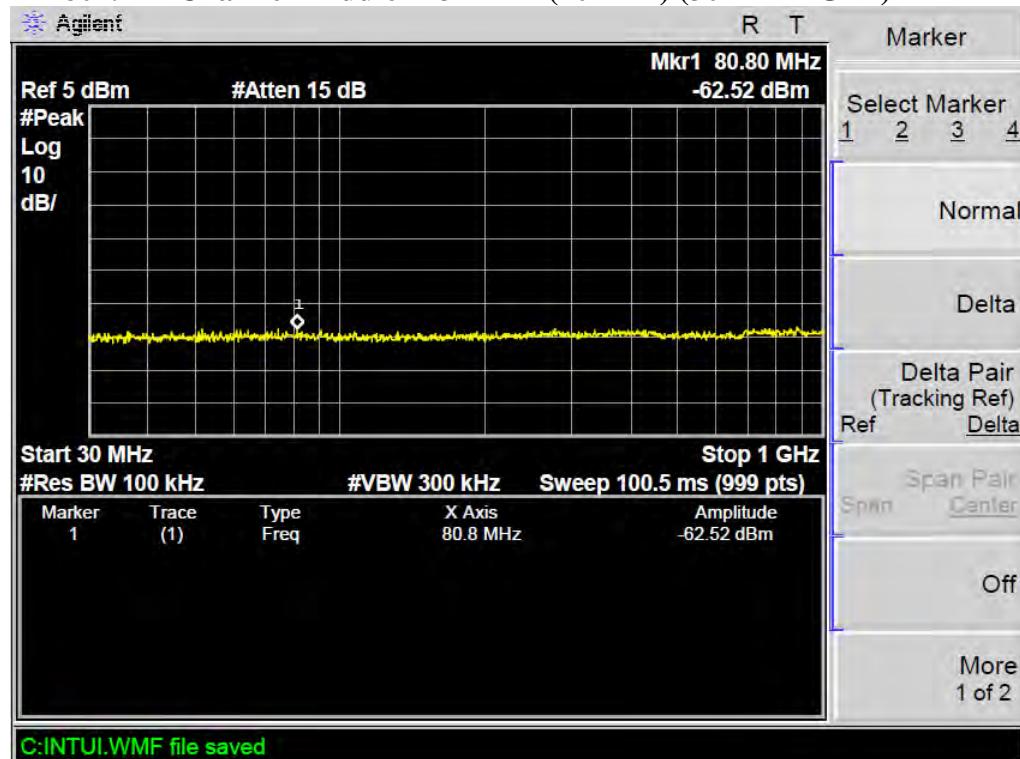
TX 802.11n Channel Low 2422MHz (40MHz) (30MHz-1GHz)



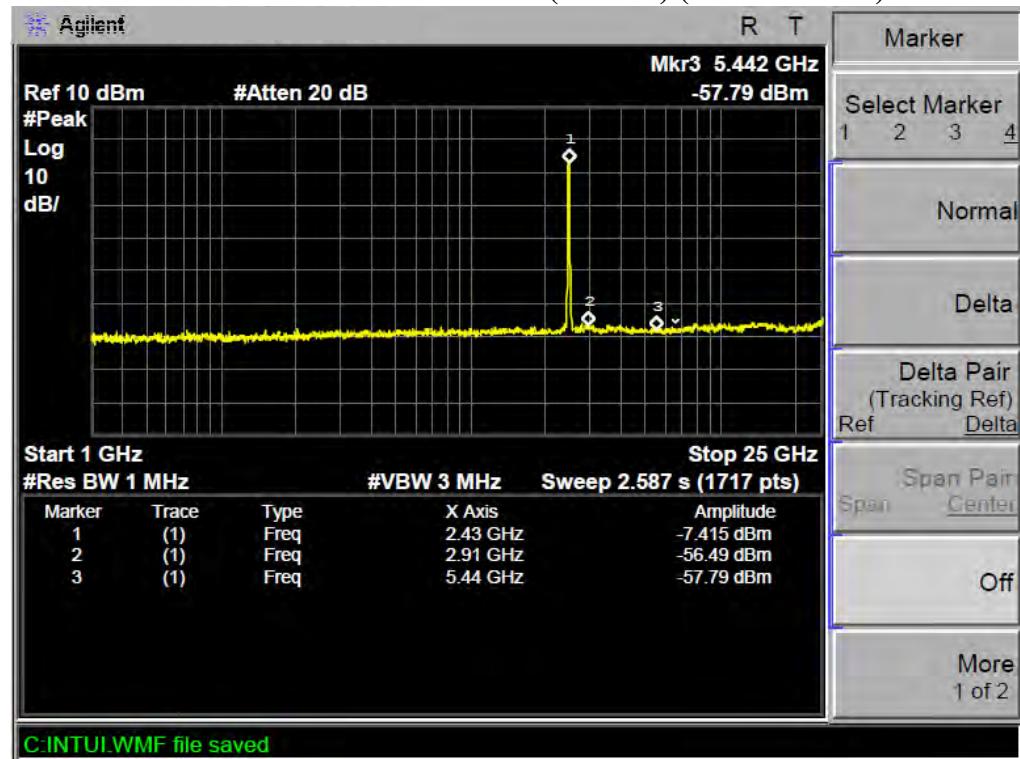
TX 802.11n Channel Low 2422MHz (40MHz) (1GHz-25GHz)



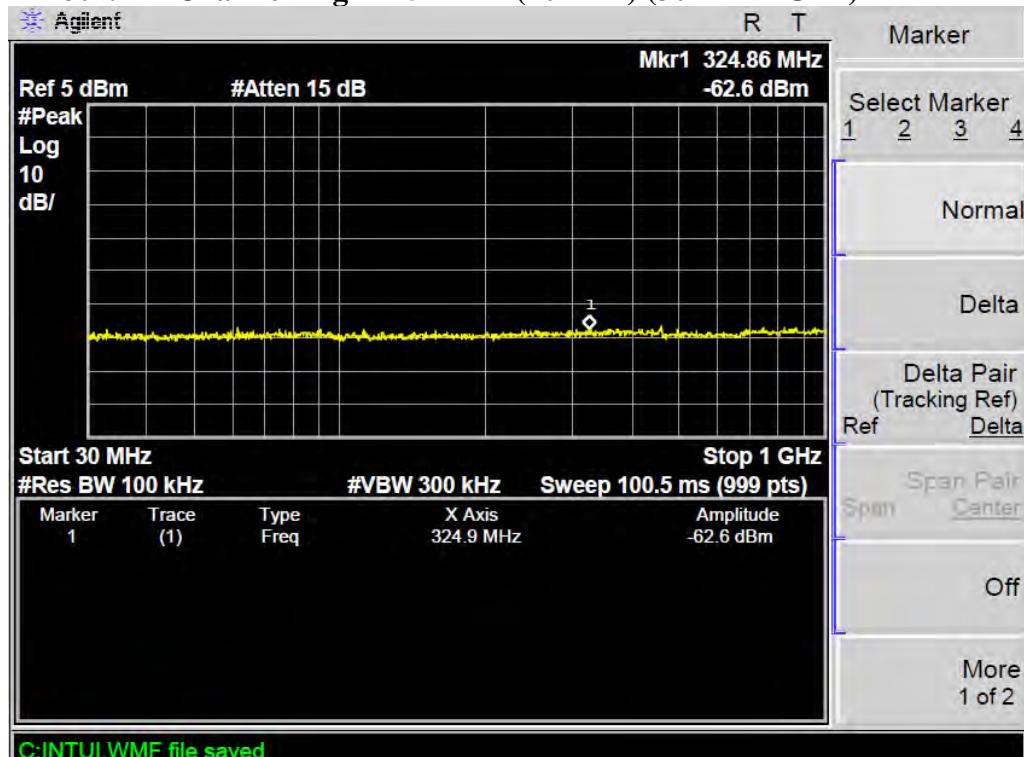
TX 802.11n Channel Middle 2437MHz (40MHz) (30MHz-1GHz)



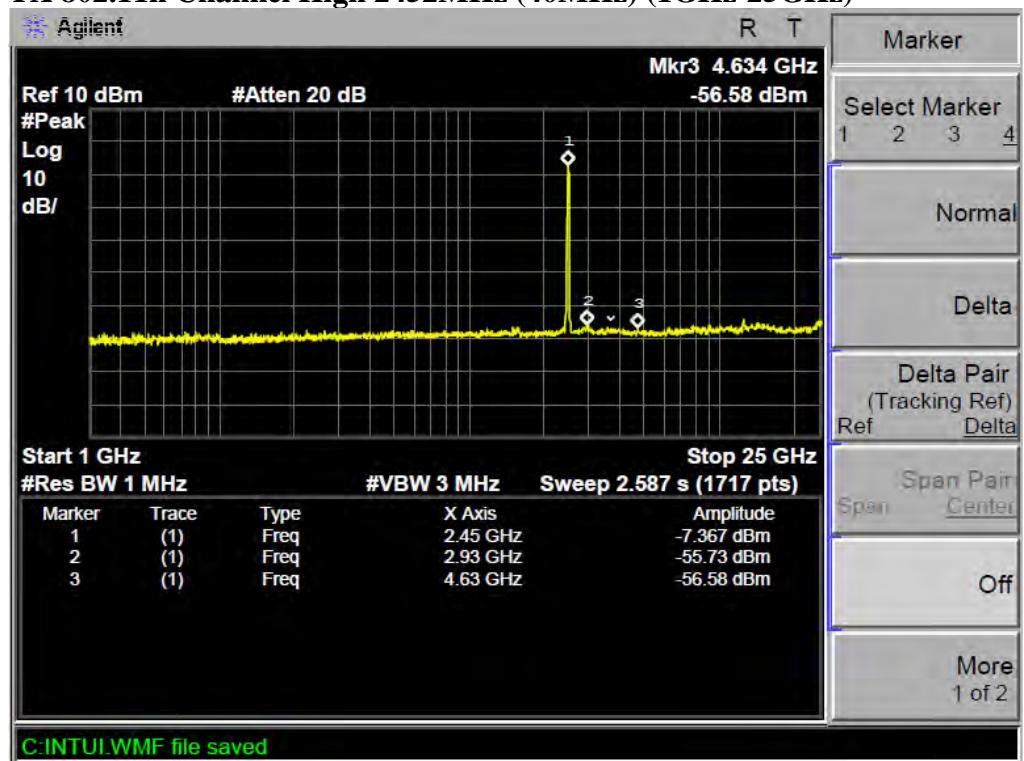
TX 802.11n Channel Middle 2437MHz (40MHz) (1GHz-25GHz)



TX 802.11n Channel High 2452MHz (40MHz) (30MHz-1GHz)



TX 802.11n Channel High 2452MHz (40MHz) (1GHz-25GHz)

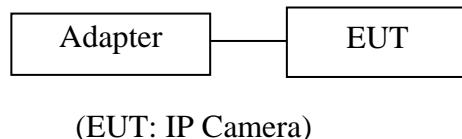


11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

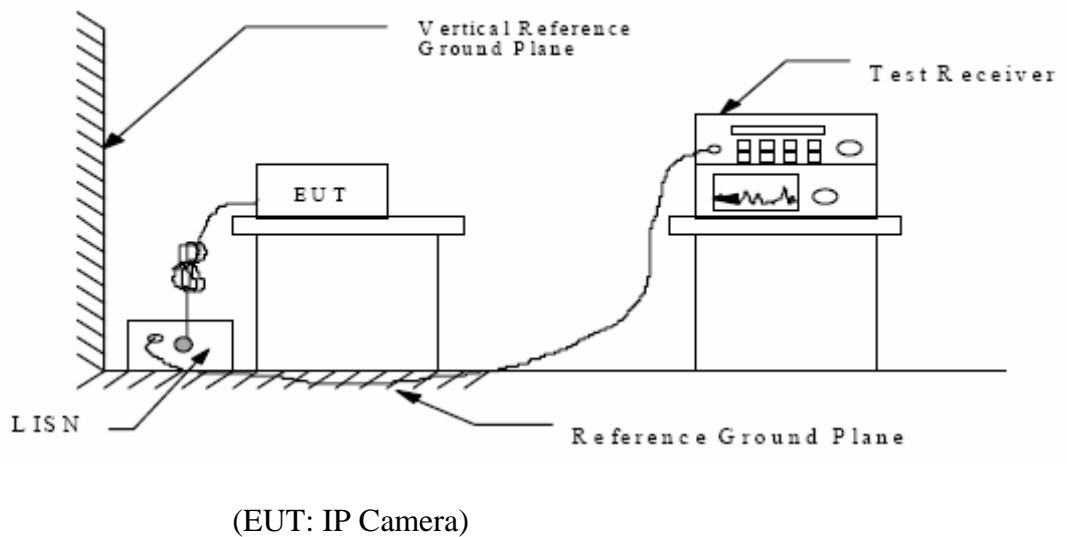
15 SECTION 15.207(A)

11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



11.1.2.Shielding Room Test Setup Diagram



(EUT: IP Camera)

11.2.The Emission Limit

11.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μ V)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 - 56.0 *	56.0 - 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

11.3.Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.3.1.IP Camera (EUT)

Model Number	:	APM-J8015-WS
Serial Number	:	N/A
Manufacturer	:	SHENZHEN APEXIS ELECTRONIC CO., LTD.

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in (On with Wi-Fi) mode measure it.

11.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4-2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

11.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Date of Test:	July 22, 2013	Temperature:	25°C
EUT:	IP Camera	Humidity:	50%
Model No.:	APM-J8015-WS	Power Supply:	AC120V/50Hz
Test Mode:	On with Wi-Fi	Test Engineer:	Pei

Frequency (MHz)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Line
0.153024	41.80	66	-24.0	QP	Neutral
0.180236	40.00	65	-24.5	QP	
0.540276	32.50	56	-23.5	QP	
0.210599	24.20	53	-29.0	AV	
0.540273	21.20	46	-24.8	AV	
0.609010	19.30	46	-26.7	AV	
0.155487	39.40	66	-26.3	QP	Live
0.180957	39.00	64	-25.4	QP	
0.215704	36.20	63	-26.8	QP	
0.333299	19.60	49	-29.8	AV	
0.483136	18.9	46	-27.4	AV	
0.515002	19.4	46	-26.6	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

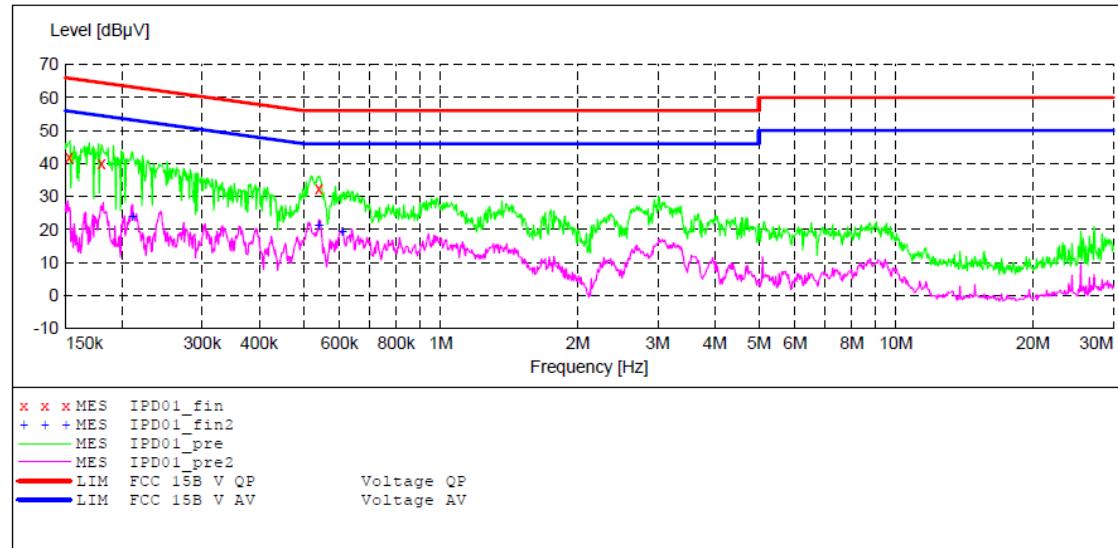
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: IP Camera M/N:APM-J8015-WS
 Manufacturer: APEXIS
 Operating Condition: On with Wi-Fi
 Test Site: 1#Shielding Room
 Operator: star
 Test Specification: N 120V/60Hz
 Comment: Report No.:ATE20131557
 Start of Test: 7/22/2013 / 3:50:17PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "IPD01_fin"

7/22/2013 3:52PM

Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.153024	41.80	11.0	66	24.0	QP	N	GND
0.180236	40.00	11.0	65	24.5	QP	N	GND
0.540273	32.50	11.1	56	23.5	QP	N	GND

MEASUREMENT RESULT: "IPD01_fin2"

7/22/2013 3:52PM

Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.210599	24.20	11.0	53	29.0	AV	N	GND
0.540273	21.20	11.1	46	24.8	AV	N	GND
0.609010	19.30	11.1	46	26.7	AV	N	GND

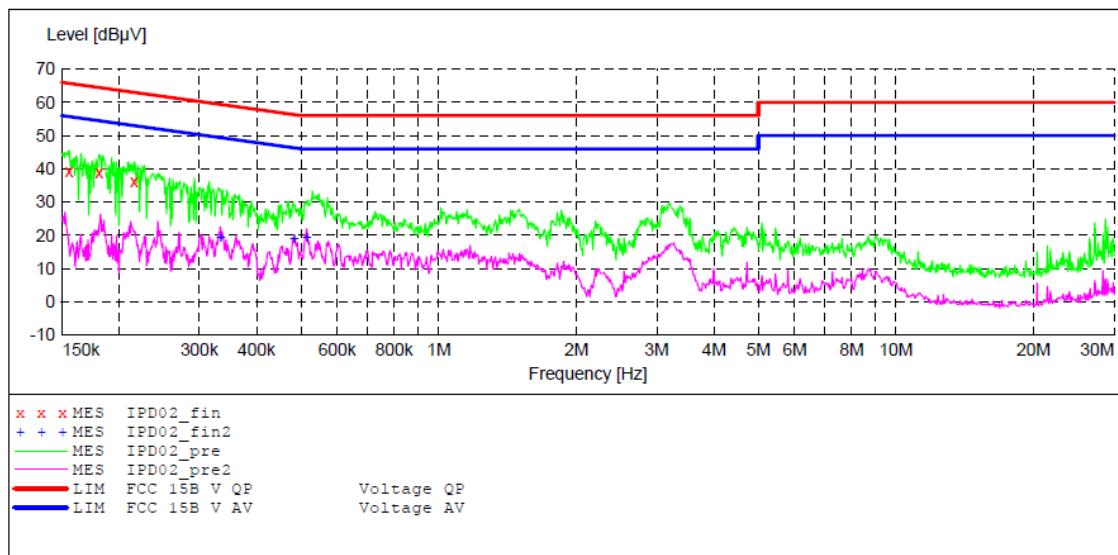
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: IP Camera M/N:APM-J8015-WS
 Manufacturer: APEXIS
 Operating Condition: On with Wi-Fi
 Test Site: 1#Shielding Room
 Operator: star
 Test Specification: L 120V/60Hz
 Comment: Report No.:ATE20131557
 Start of Test: 7/22/2013 / 3:53:13PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "IPD02_fin"

7/22/2013 3:55PM

Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.155487	39.40	11.0	66	26.3	QP	L1	GND
0.180957	39.00	11.0	64	25.4	QP	L1	GND
0.215704	36.20	11.0	63	26.8	QP	L1	GND

MEASUREMENT RESULT: "IPD02_fin2"

7/22/2013 3:55PM

Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dB μ V	dB	dB μ V	dB			
0.333299	19.60	11.1	49	29.8	AV	L1	GND
0.483136	18.90	11.1	46	27.4	AV	L1	GND
0.515002	19.40	11.1	46	26.6	AV	L1	GND

12. ANTENNA REQUIREMENT

12.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

12.2. Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.

