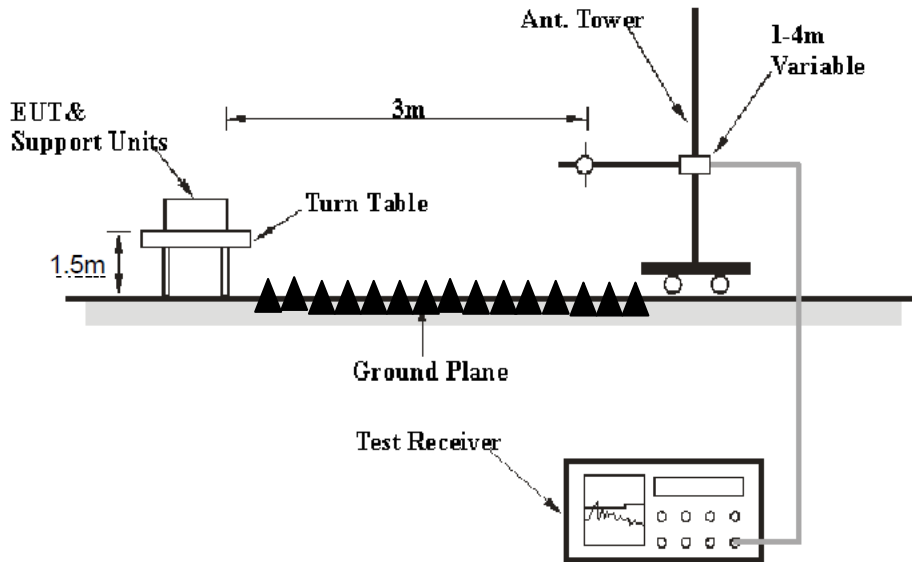


(C) Radiated Emission Test Set-Up, Frequency above 1GHz



10.2. The Limit 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.Restricted bands of operation

10.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

10.4.Configuration of EUT on Measurement

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

10.5. Operating Condition of EUT

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

10.5.2. Turn on the power of all equipment.

10.5.3. 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.

10.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground (Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground (Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 1Mbps for 802.11b mode and 6Mbps for 802.11g mode and 150Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The frequency range from 30MHz to 25000MHz is checked.

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

10.7.Data Sample

Frequency (MHz)	Reading (dB μ v)	Factor (dB/m)	Result (dB μ v/m)	Limit (dB μ v/m)	Margin (dB)	Remark
197.9456	52.35	-24.48	27.87	43.50	-15.63	QP

Frequency(MHz) = Emission frequency in MHz

Reading(dB μ v) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain

Result(dB μ v/m) = Reading(dB μ v) + Factor(dB/m)

Limit (dB μ v/m) = Limit stated in standard

Margin (dB) = Result(dB μ v/m) - Limit (dB μ v/m)

QP = Quasi-peak Reading

Calculation Formula:

Margin(dB) = Result (dB μ V/m)–Limit(dB μ V/m)

Result(dB μ V/m)= Reading(dB μ V)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

10.8.The Field Strength of Radiation Emission Measurement Results

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

4. The EUT is tested radiation emission at each test mode (802.11 b/g/n) in three axes. The worst emissions are reported in all test mode and channels.

5. The radiation emissions from 18-25GHz and 9KHz-30MHz are not reported, because the test values lower than the limits of 20dB.

Below 1G

Job No.: frank2017 #1631

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA

Mode: TX Channel 1(802.11b)

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Polarization: Horizontal

Power Source: AC 120V/60Hz

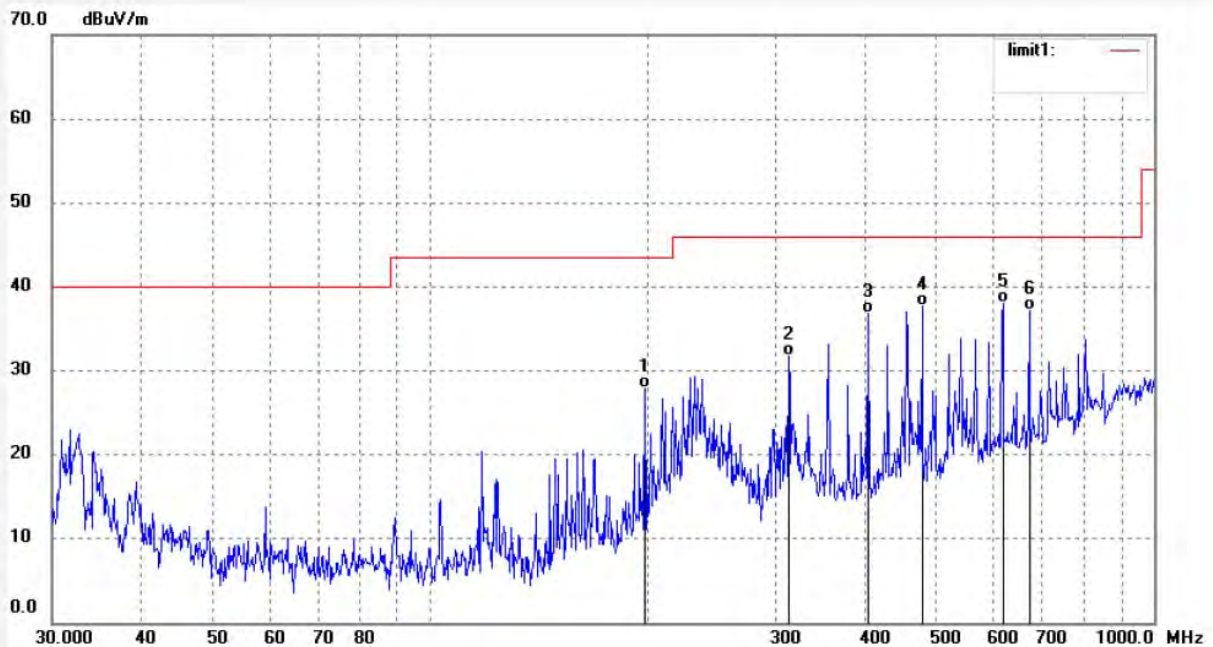
Date: 17/11/28/

Time: 9/37/15

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	197.9456	52.35	-24.48	27.87	43.50	-15.63	QP	200	123	
2	312.5482	52.67	-20.86	31.81	46.00	-14.19	QP	200	127	
3	402.5167	55.11	-18.26	36.85	46.00	-9.15	QP	200	248	
4	478.1394	54.34	-16.65	37.69	46.00	-8.31	QP	200	183	
5	617.9416	51.38	-13.30	38.08	46.00	-7.92	QP	200	64	
6	672.3103	49.36	-12.11	37.25	46.00	-8.75	QP	200	328	

Job No.: frank2017 #1632

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA

Mode: TX Channel 1(802.11b)

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Polarization: Vertical

Power Source: AC 120V/60Hz

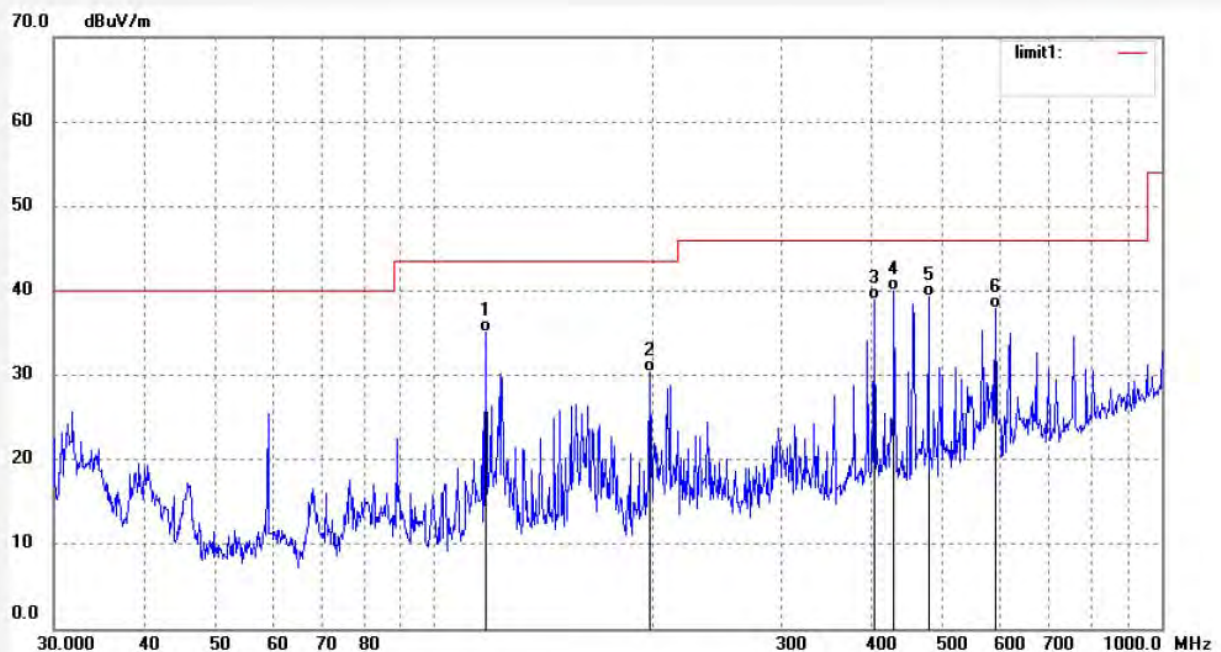
Date: 17/11/28/

Time: 9/38/00

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	117.6814	62.52	-27.39	35.13	43.50	-8.37	QP	100	298	
2	197.9456	54.87	-24.48	30.39	43.50	-13.11	QP	100	135	
3	402.5167	57.13	-18.26	38.87	46.00	-7.13	QP	100	254	
4	428.7959	57.89	-17.83	40.06	46.00	-5.94	QP	100	348	
5	478.1394	55.97	-16.65	39.32	46.00	-6.68	QP	100	127	
6	590.3510	51.83	-13.88	37.95	46.00	-8.05	QP	100	27	



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Job No.: frank2017 #1633

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA

Mode: TX Channel 6(802.11b)

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Polarization: Vertical

Power Source: AC 120V/60Hz

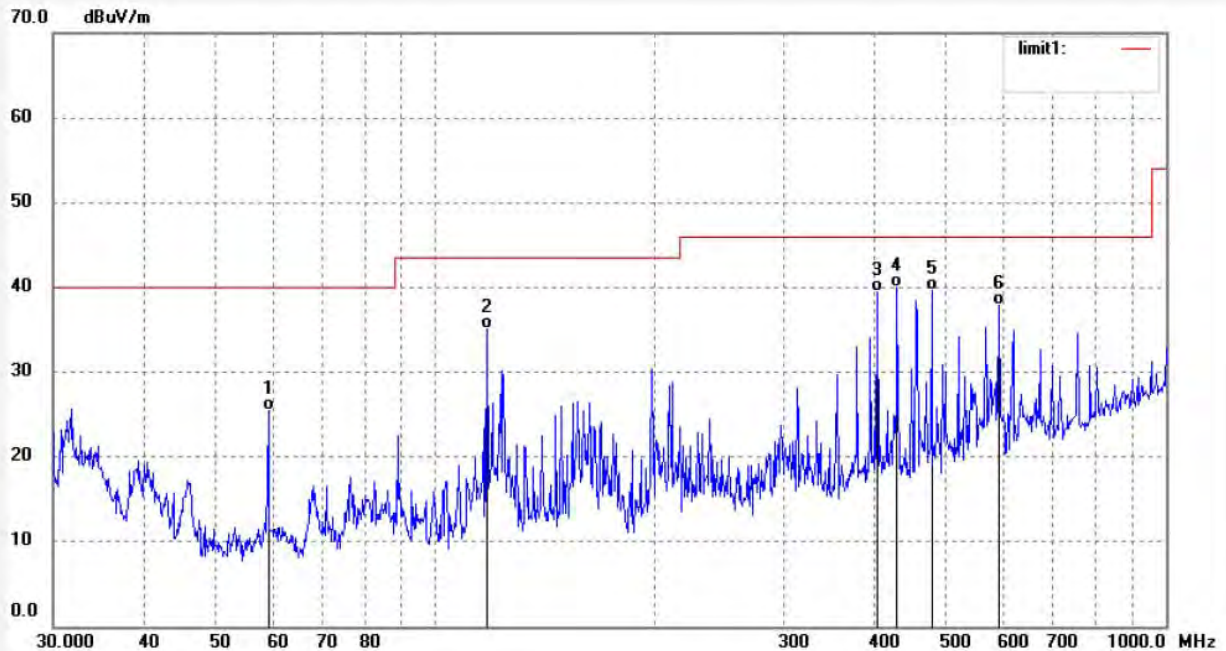
Date: 17/11/28/

Time: 9/38/04

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	59.1052	52.63	-27.17	25.46	40.00	-14.54	QP	100	138	
2	117.6814	62.52	-27.39	35.13	43.50	-8.37	QP	100	327	
3	402.5167	57.72	-18.26	39.46	46.00	-6.54	QP	100	248	
4	428.7959	57.89	-17.83	40.06	46.00	-5.94	QP	100	61	
5	478.1394	56.32	-16.65	39.67	46.00	-6.33	QP	100	329	
6	590.3510	51.83	-13.88	37.95	46.00	-8.05	QP	100	274	

Job No.: frank2017 #1634

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA

Mode: TX Channel 6(802.11b)

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Polarization: Horizontal

Power Source: AC 120V/60Hz

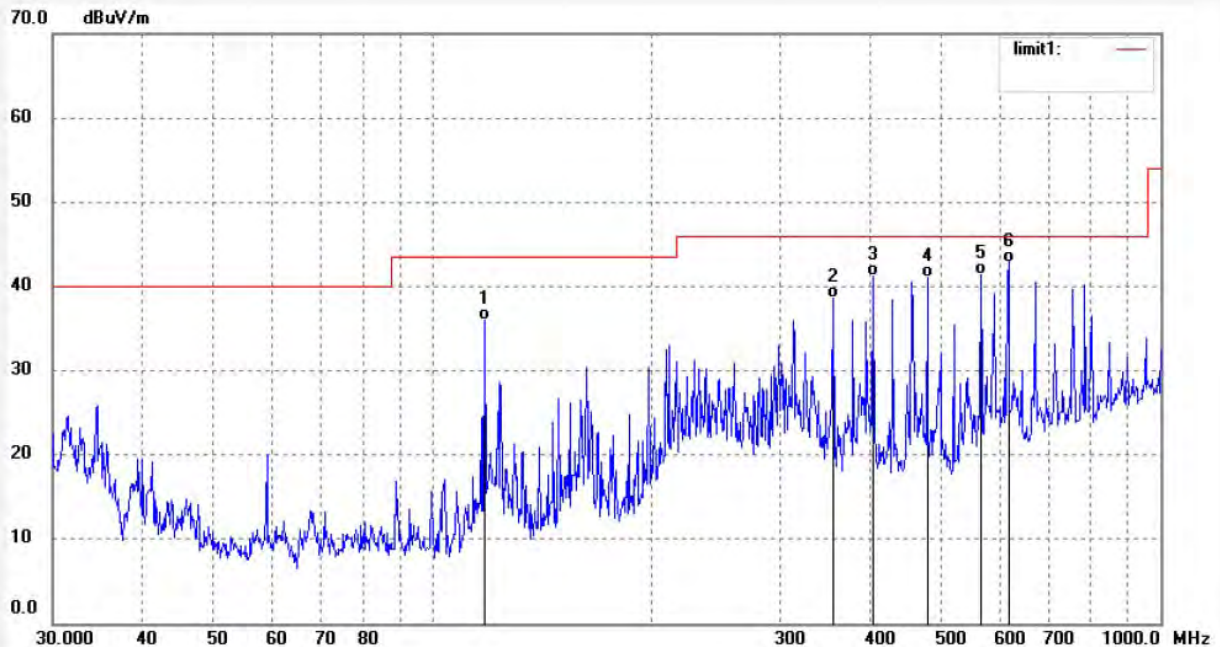
Date: 17/11/28/

Time: 9/38/58

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172197

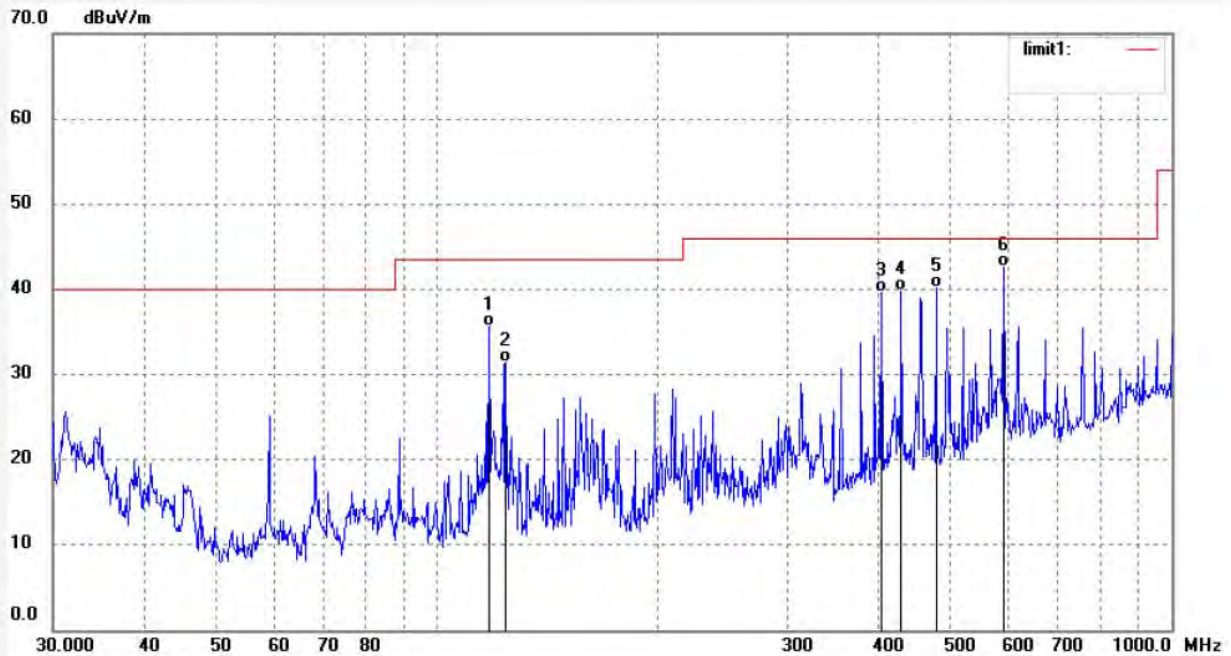


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	117.6814	63.35	-27.39	35.96	43.50	-7.54	QP	200	106	
2	354.6911	57.74	-19.14	38.60	46.00	-7.40	QP	200	100	
3	402.5167	59.40	-18.26	41.14	46.00	-4.86	QP	200	121	
4	478.1394	57.67	-16.65	41.02	46.00	-4.98	QP	200	74	
5	565.9776	55.81	-14.45	41.36	46.00	-4.64	QP	200	128	
6	617.9416	56.02	-13.30	42.72	46.00	-3.28	QP	200	135	

Job No.: frank2017 #1636
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA
Mode: TX Channel 11(802.11b)
Model: AEC-9332BSD-AC16W-WF
Manufacturer: AURUM

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/11/28/
Time: 9/40/14
Engineer Signature: Frank
Distance: 3m

Note: Report NO.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	117.6814	62.99	-27.39	35.60	43.50	-7.90	QP	100	218	
2	124.0501	58.94	-27.56	31.38	43.50	-12.12	QP	100	120	
3	402.5167	57.93	-18.26	39.67	46.00	-6.33	QP	100	135	
4	428.7959	57.70	-17.83	39.87	46.00	-6.13	QP	100	347	
5	478.1394	56.78	-16.65	40.13	46.00	-5.87	QP	100	127	
6	590.3510	56.55	-13.88	42.67	46.00	-3.33	QP	100	354	



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Job No.: frank2017 #1637

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA

Mode: TX Channel 11(802.11b)

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Polarization: Horizontal

Power Source: AC 120V/60Hz

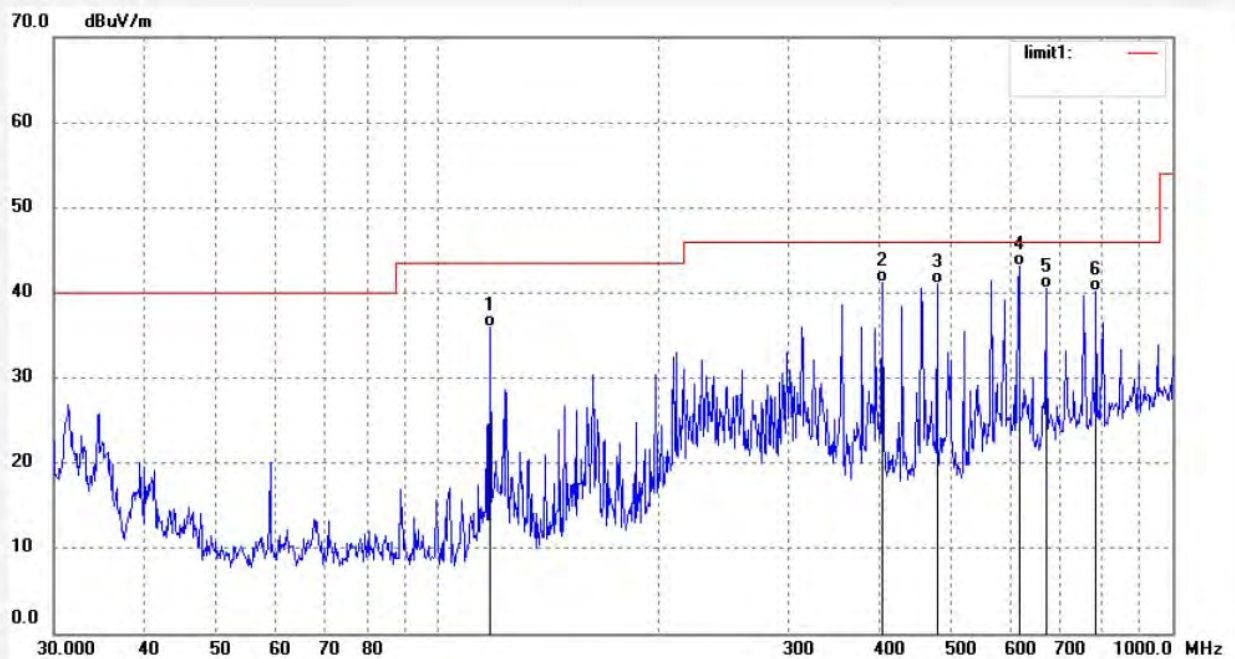
Date: 17/11/28/

Time: 9/39/22

Engineer Signature: Frank

Distance: 3m

Note: Report NO.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	117.6814	63.35	-27.39	35.96	43.50	-7.54	QP	200	231	
2	402.5167	59.40	-18.26	41.14	46.00	-4.86	QP	200	218	
3	478.1394	57.67	-16.65	41.02	46.00	-4.98	QP	200	349	
4	617.9416	56.52	-13.30	43.22	46.00	-2.78	QP	200	45	
5	672.3103	52.57	-12.11	40.46	46.00	-5.54	QP	200	126	
6	787.4749	49.41	-9.33	40.08	46.00	-5.92	QP	200	210	

Above 1G



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Job No.: frank2017 #1638

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 1(802.11b)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

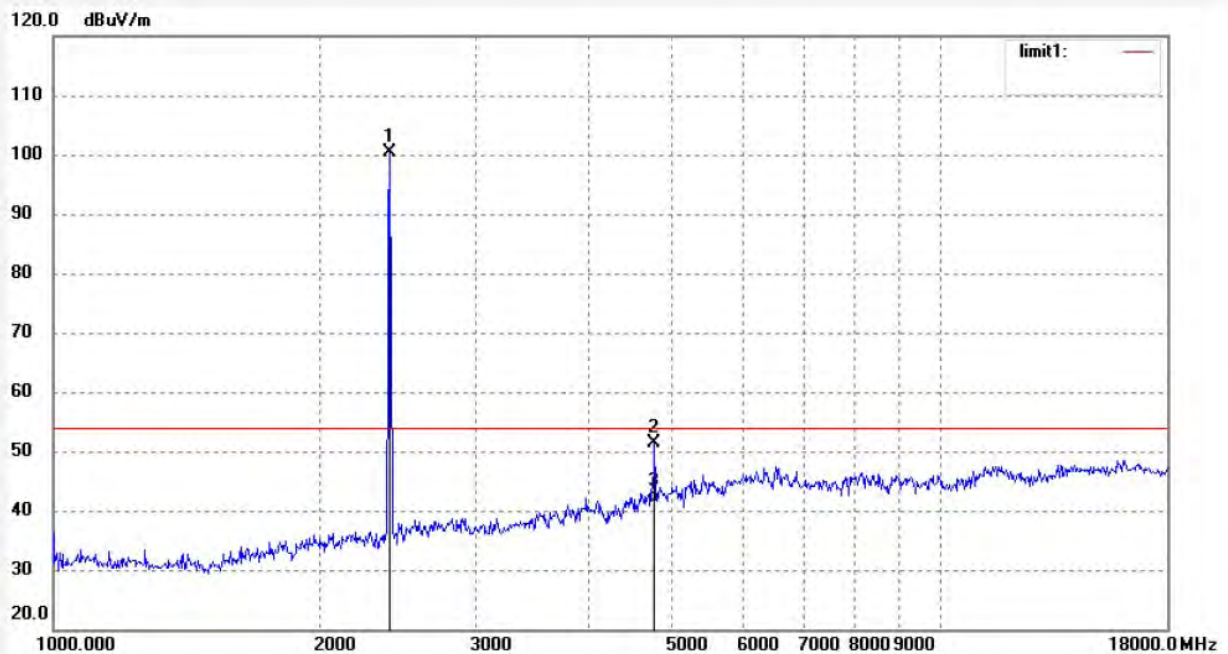
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 09/42/11

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	106.24	-5.84	100.40	N/A	N/A	peak	150	115	
2	4824.000	48.20	3.30	51.50	74.00	-22.50	peak	150	247	
3	4824.000	38.13	3.30	41.43	54.00	-12.57	AVG	150	247	

Job No.: frank2017 #1639

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 1(802.11b)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

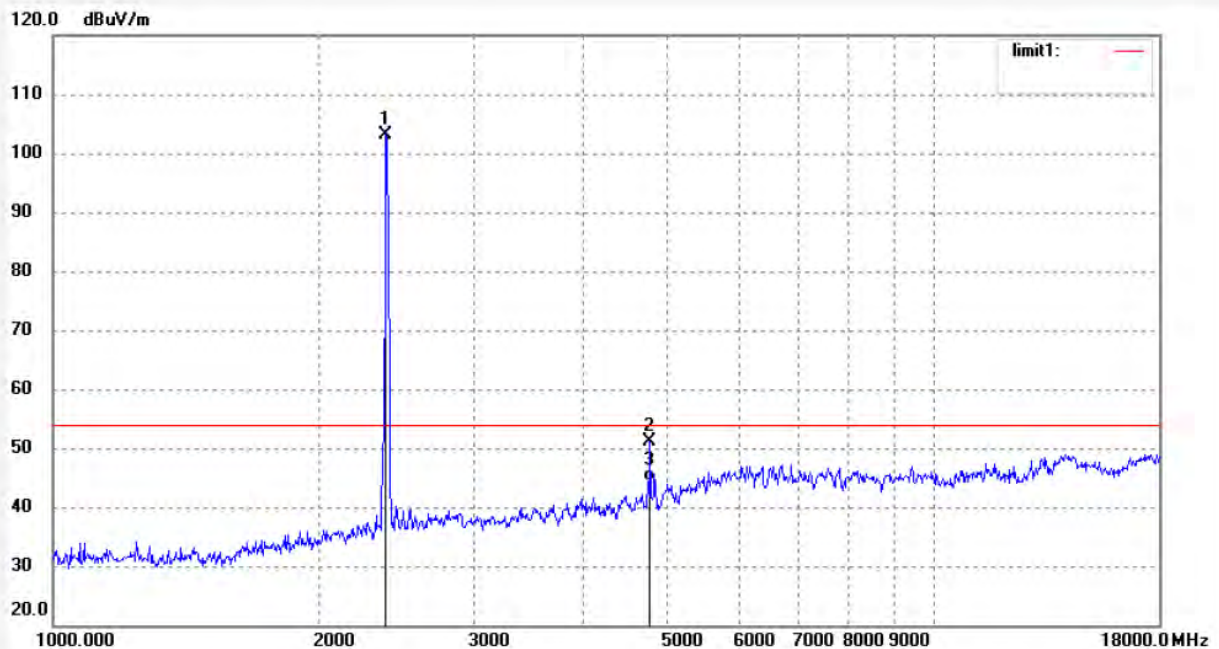
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 09/47/37

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	108.95	-5.91	103.04	N/A	N/A	peak	150	222	
2	4824.000	47.95	3.30	51.25	74.00	-22.75	peak	250	102	
3	4824.000	41.00	3.30	44.30	54.00	-9.70	AVG	250	102	



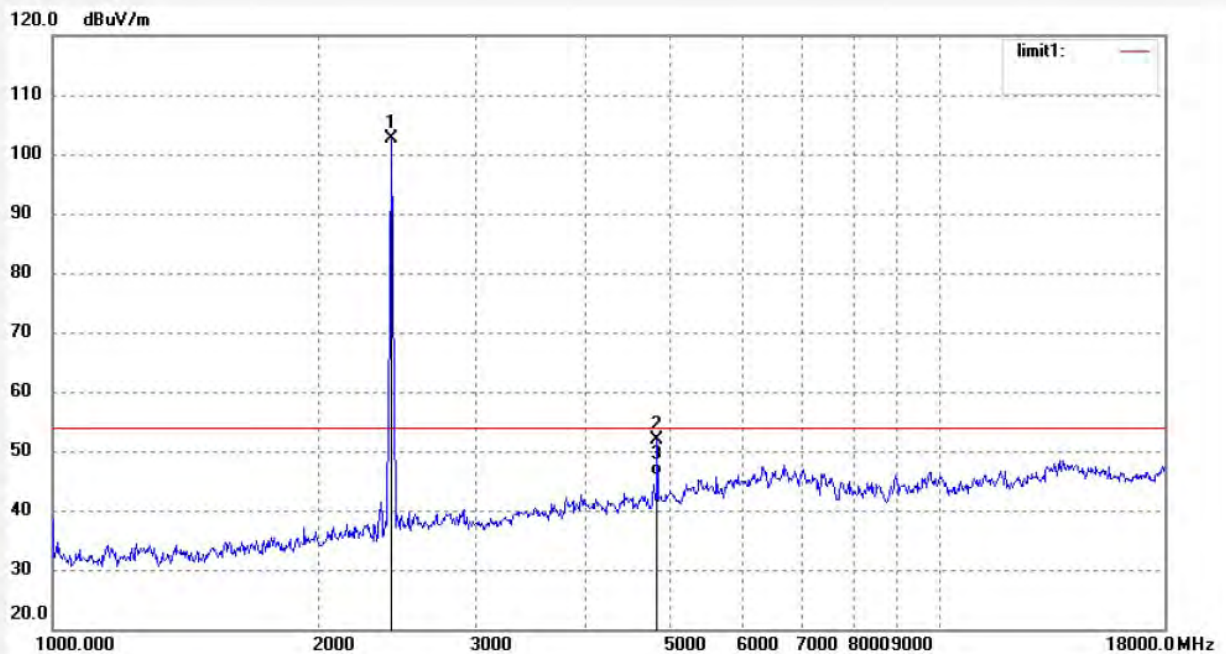
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Job No.: frank2017 #1640
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA
Mode: TX Channel 6(802.11b)
Model: AEC-9332BSD-AC16W-WF
Manufacturer: AURUM
Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/11/28/
Time: 09/55/35
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	108.46	-5.76	102.70	N/A	N/A	peak	150	110	
2	4874.000	48.32	3.67	51.99	74.00	-22.01	peak	250	102	
3	4874.000	42.12	3.67	45.79	54.00	-8.21	AVG	250	102	



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Job No.: frank2017 #1641

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/11/28/

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

Time: 09/58/09

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

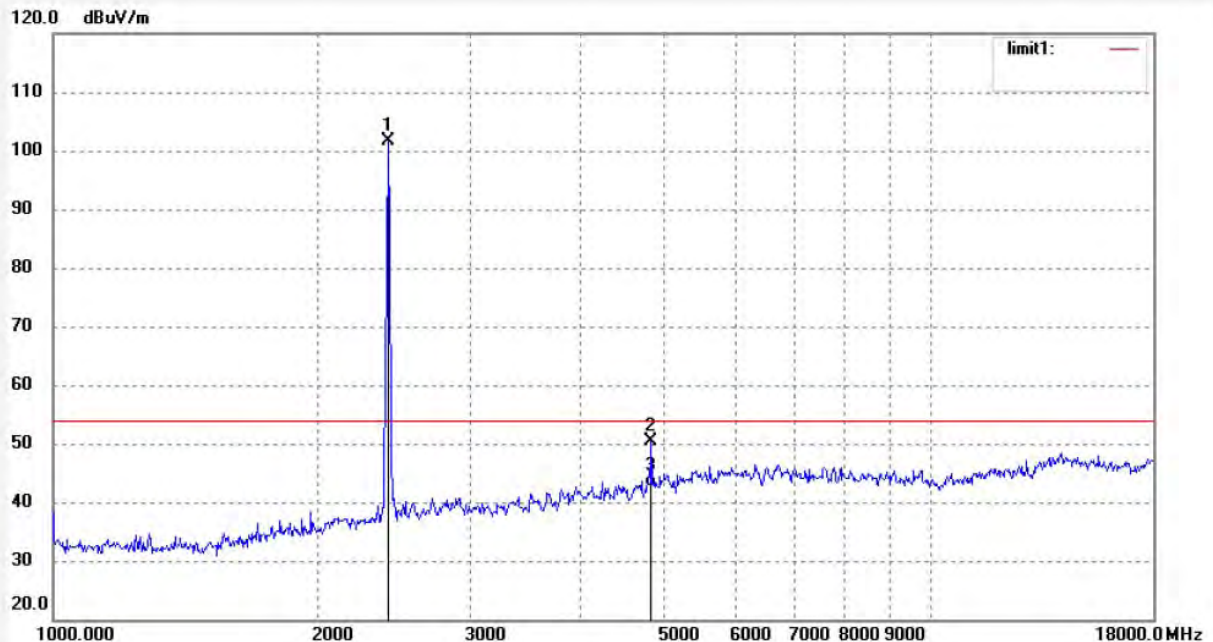
Mode: TX Channel 6(802.11b)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	107.46	-5.76	101.70	N/A	N/A	peak	150	224	
2	4874.000	46.82	3.67	50.49	74.00	-23.51	peak	150	102	
3	4874.000	38.97	3.67	42.64	54.00	-11.36	AVG	150	102	



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Job No.: frank2017 #1642

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/11/28/

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

Time: 10/03/30

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

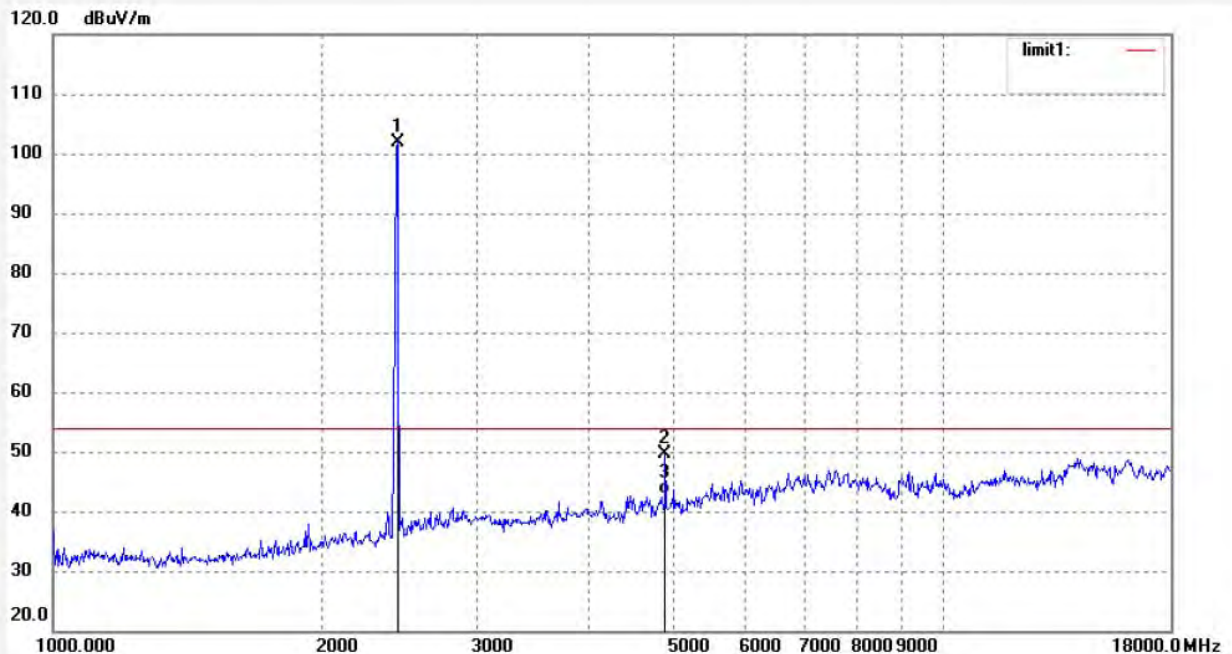
Mode: TX Channel 11(802.11b)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	107.60	-5.61	101.99	N/A	N/A	peak	150	147	
2	4924.000	45.37	4.20	49.57	74.00	-24.43	peak	150	114	
3	4924.000	38.67	4.20	42.87	54.00	-11.13	AVG	150	114	



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Job No.: frank2017 #1643

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA

Mode: TX Channel 11(802.11b)

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Polarization: Horizontal

Power Source: AC 120V/60Hz

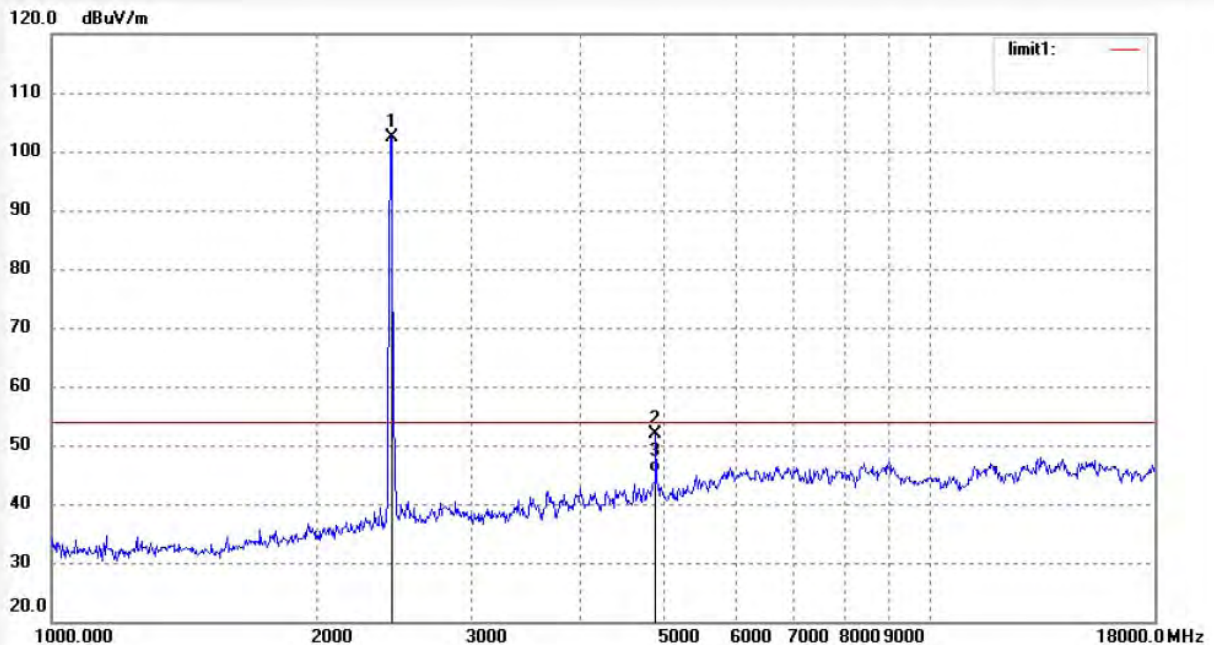
Date: 17/11/28/

Time: 10/05/20

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	108.09	-5.61	102.48	N/A	N/A	peak	150	119	
2	4924.000	47.65	4.20	51.85	74.00	-22.15	peak	150	128	
3	4924.000	41.28	4.20	45.48	54.00	-8.52	AVG	150	128	



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Fax:+86-0755-26503396

Job No.: frank2017 #1644

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/11/28/

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

Time: 10/10/29

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

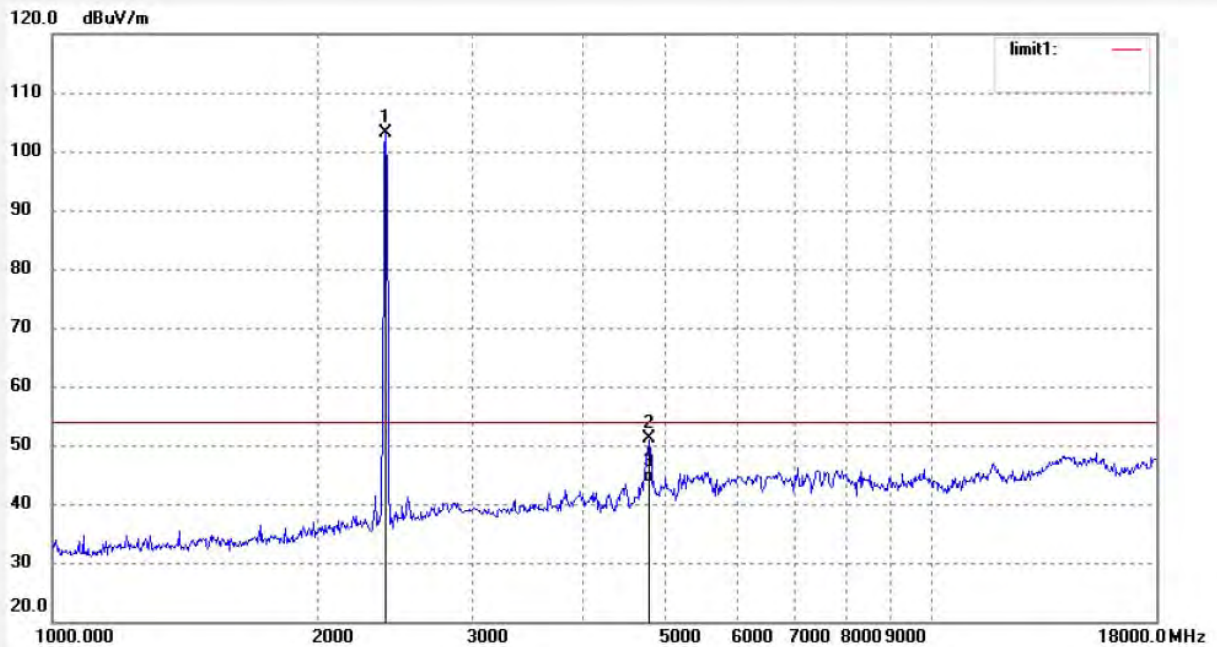
Mode: TX Channel 1(802.11g)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	109.07	-5.84	103.23	N/A	N/A	peak	150	111	
2	4824.000	47.65	3.37	51.02	74.00	-22.98	peak	250	138	
3	4824.000	40.15	3.37	43.52	54.00	-10.48	AVG	250	138	

Job No.: frank2017 #1645

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 1(802.11g)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

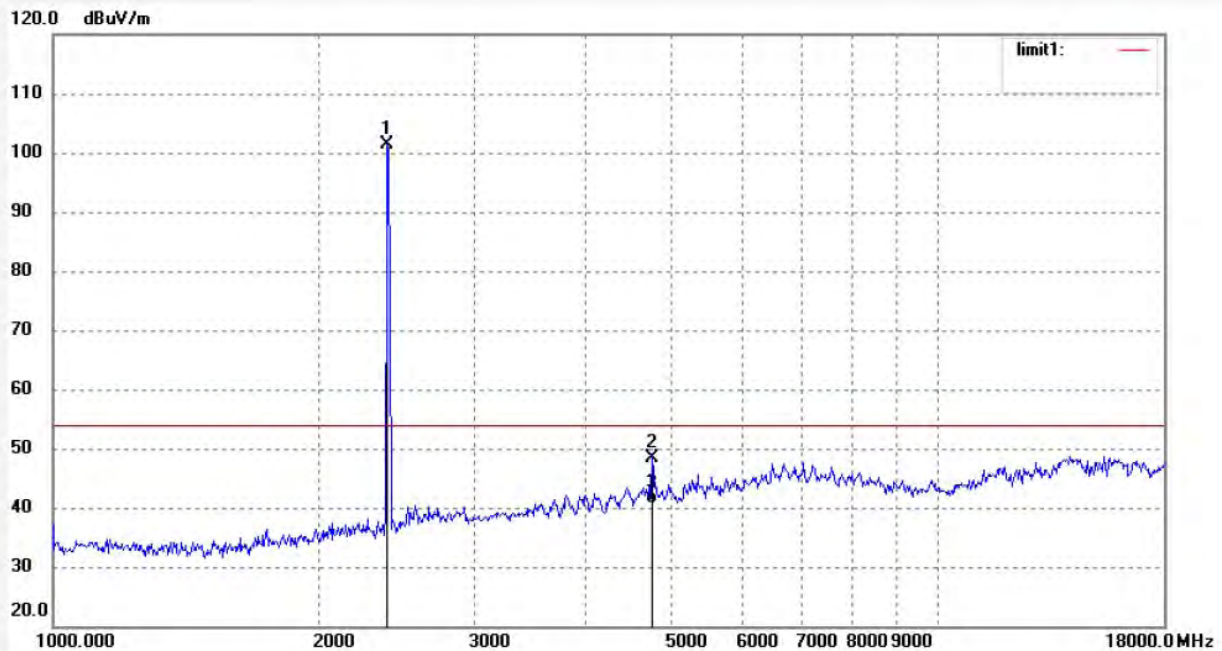
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/13/56

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	107.21	-5.91	101.30	N/A	N/A	peak	150	312	
2	4824.000	45.12	3.23	48.35	74.00	-5.65	peak	250	327	
3	4824.000	37.50	3.23	40.73	54.00	-13.27	AVG	250	327	



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Job No.: frank2017 #1646

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

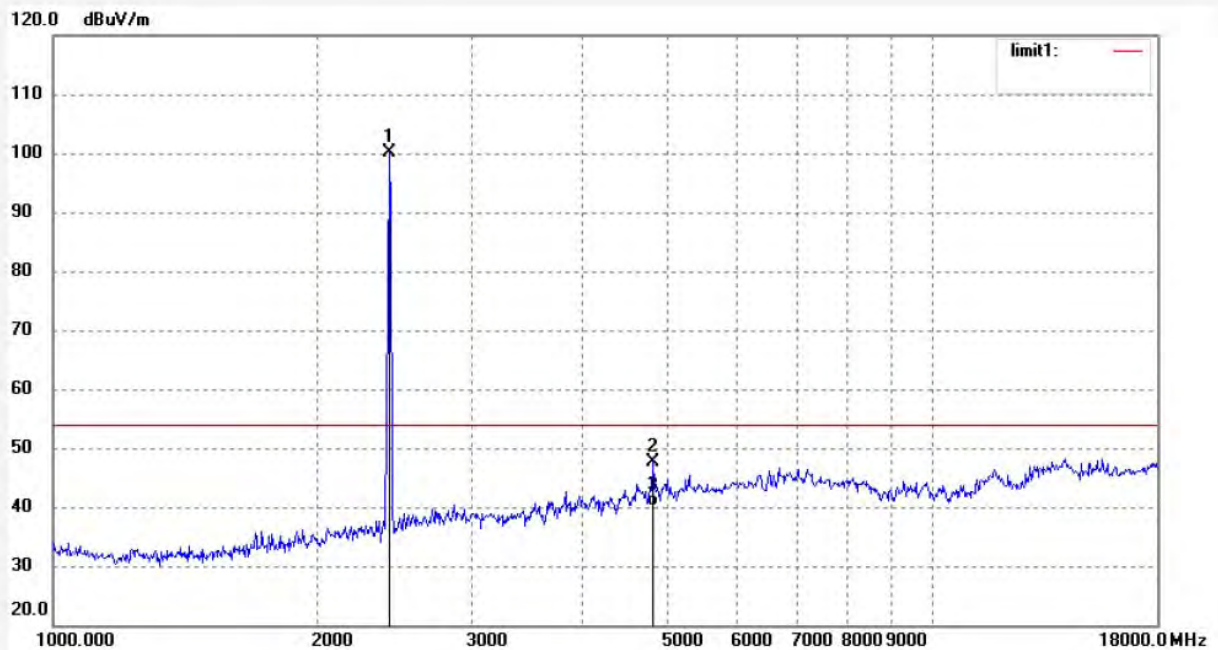
Mode: TX Channel 6(802.11g)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	105.87	-5.76	100.11	N/A	N/A	peak	150	200	
2	4874.000	44.01	3.67	47.68	74.00	-26.32	peak	250	348	
3	4874.000	36.49	3.67	40.16	54.00	-13.84	AVG	250	348	

Job No.: frank2017 #1647

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 6(802.11g)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

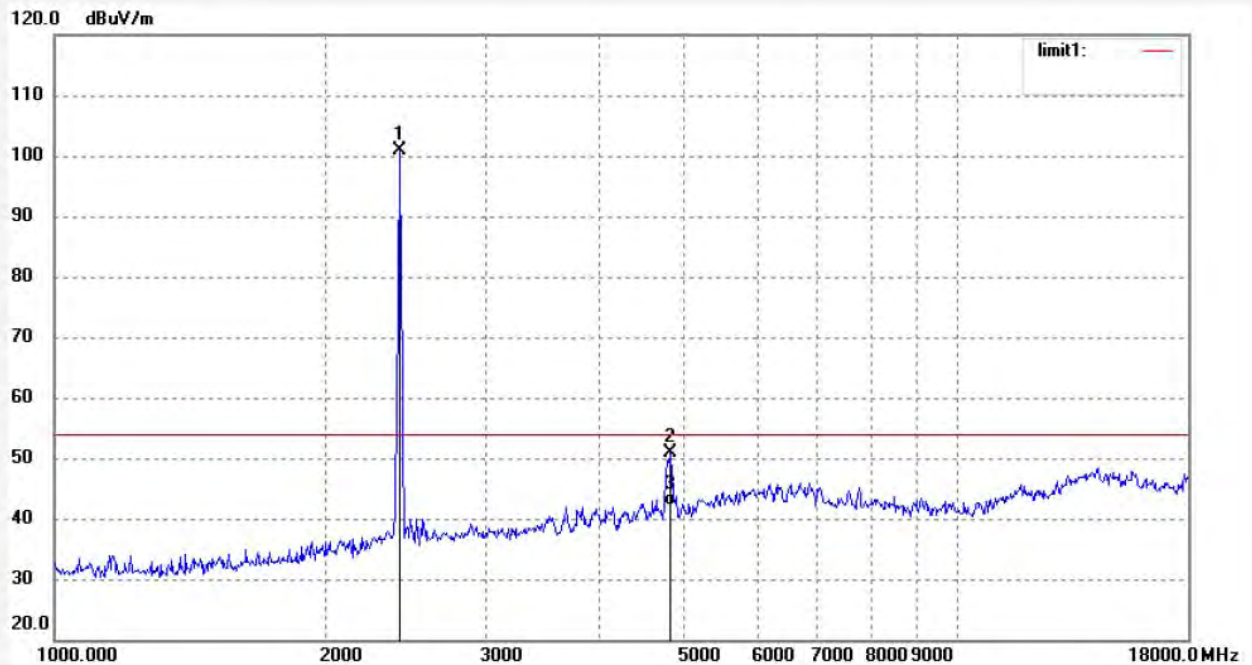
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/19/21

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	106.56	-5.76	100.80	N/A	N/A	peak	150	333	
2	4874.000	47.12	3.67	50.79	74.00	-23.21	peak	150	327	
3	4874.000	38.48	3.67	42.15	54.00	-11.85	AVG	250	327	



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Job No.: frank2017 #1648

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/11/28/

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

Time: 10/21/32

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

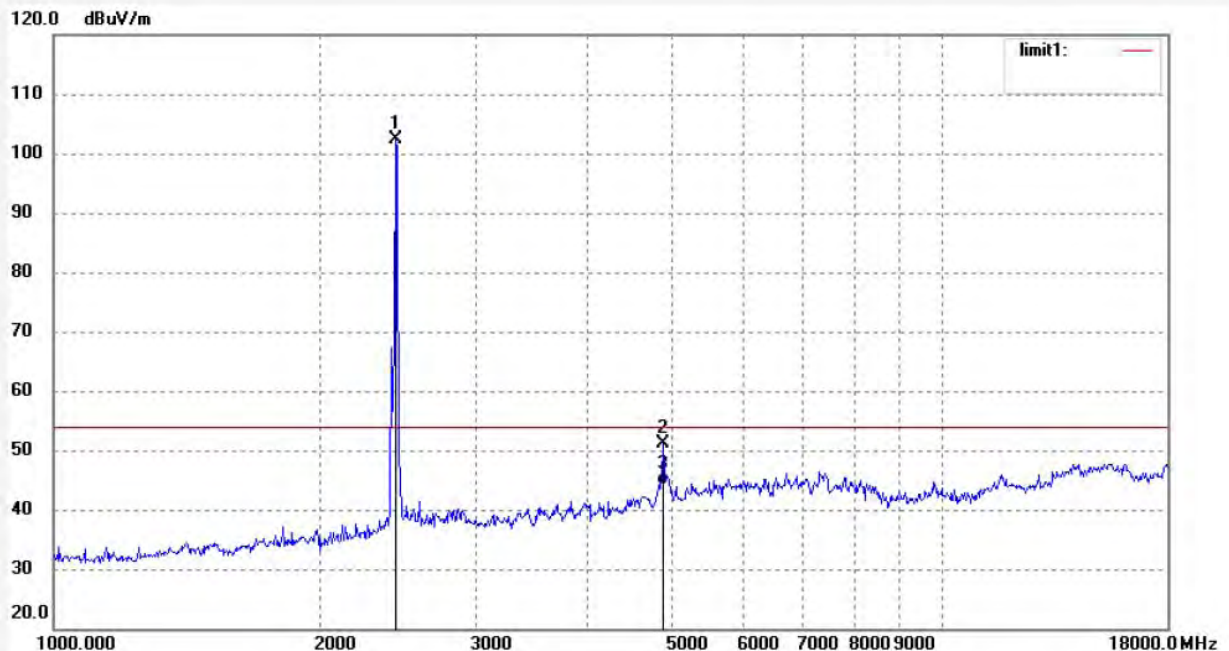
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	108.11	-5.65	102.46	N/A	N/A	peak	150	100	
2	4924.000	47.00	4.06	51.06	74.00	-22.94	peak	150	124	
3	4924.000	40.00	4.06	44.06	54.00	-9.94	AVG	150	124	

Job No.: frank2017 #1649

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/11/28/

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

Time: 10/23/49

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

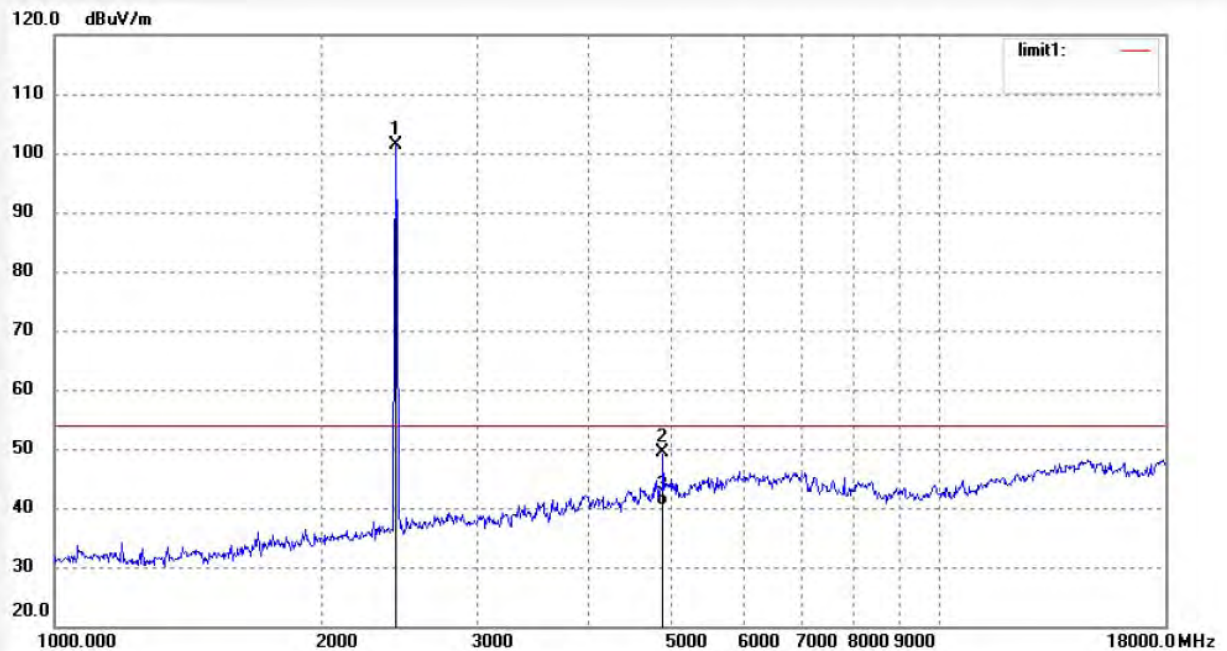
Mode: TX Channel 11(802.11g)

Distance: 3m

Model: AEC-9332BSD-AC16W-W

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	106.97	-5.65	101.32	N/A	N/A	peak	150	100	
2	4924.000	45.10	4.20	49.30	74.00	-24.70	peak	150	123	
3	4924.000	36.12	4.20	40.32	54.00	-13.68	AVG	150	123	



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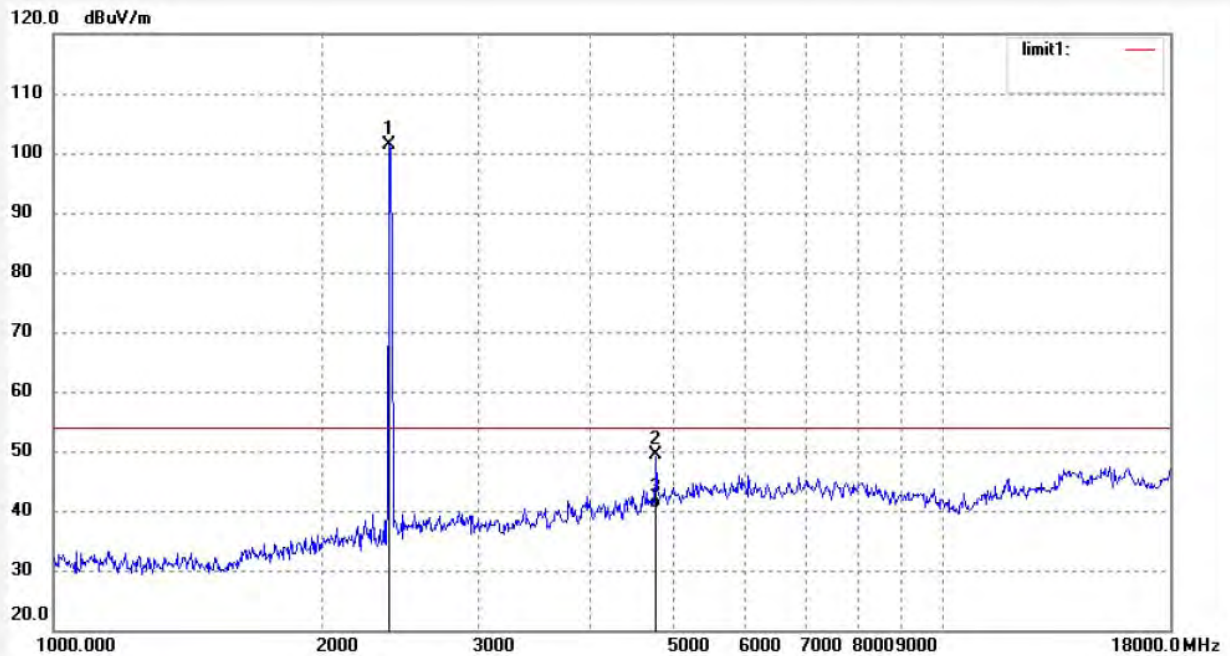
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Job No.: frank2017 #1650
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA
Mode: TX Channel 1(802.11n)
Model: AEC-9332BSD-AC16W-WF
Manufacturer: AURUM

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/11/28/
Time: 10/27/24
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	107.41	-5.91	101.50	N/A	N/A	peak	150	100	
2	4924.000	46.10	3.30	49.40	74.00	-24.60	peak	250	248	
3	4924.000	37.12	3.30	40.42	54.00	-13.58	AVG	250	248	

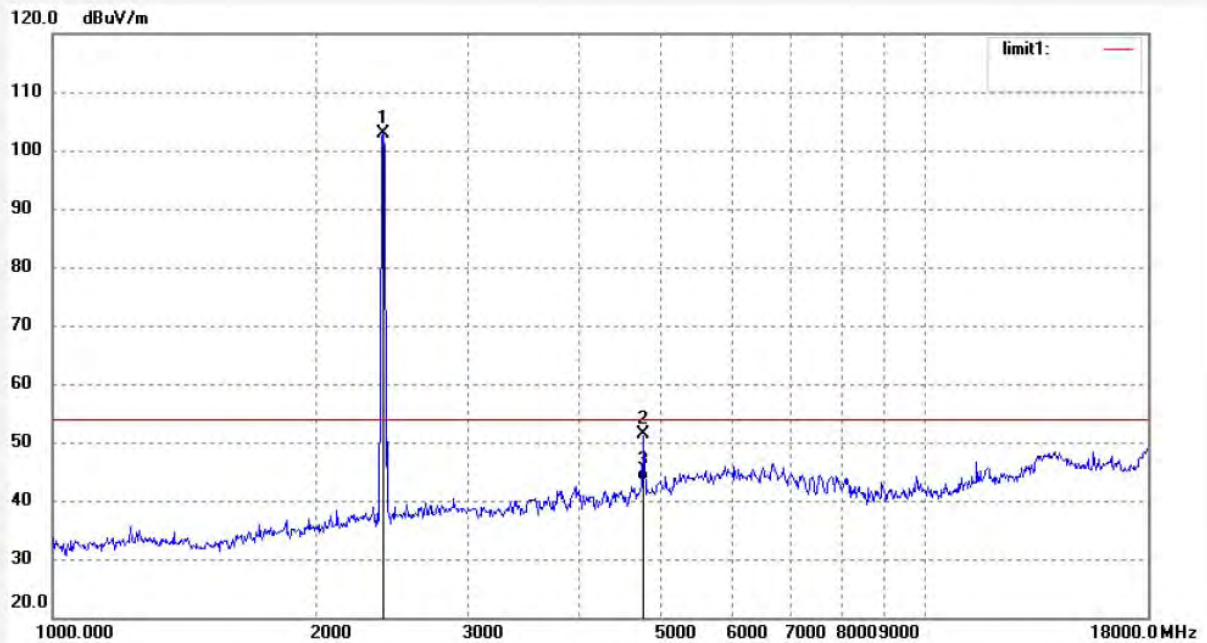


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Job No.: frank2017 #1651	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/11/28/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/28/37
EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA	Engineer Signature: star
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: AEC-9332BSD-AC16W-WF	
Manufacturer: AURUM	

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	108.76	-5.84	102.92	N/A	N/A	peak	150	315	
2	4824.000	48.00	3.30	51.30	74.00	-22.70	peak	300	327	
3	4824.000	40.00	3.30	43.30	54.00	-10.70	AVG	300	327	

Job No.: frank2017 #1652

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 6(802.11n)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

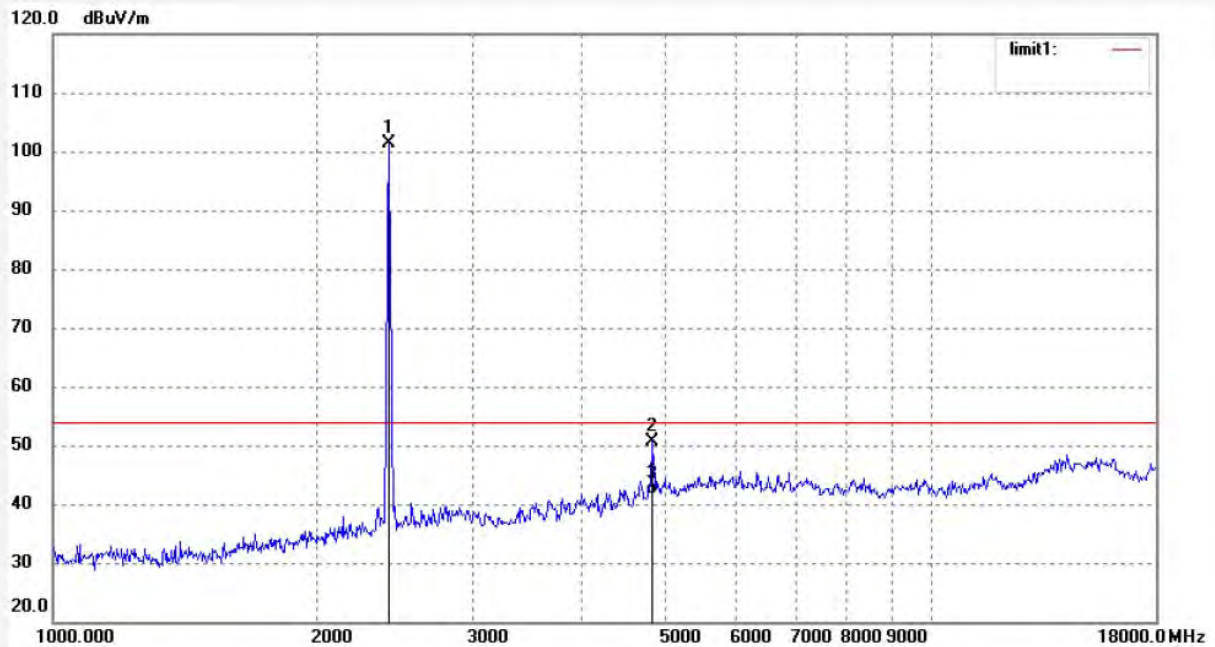
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/30/28

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	107.21	-5.76	101.45	N/A	N/A	peak	150	187	
2	4874.000	47.00	3.53	50.53	74.00	-23.47	peak	250	249	
3	4874.000	38.22	3.53	41.75	54.00	-12.25	AVG	250	249	

Job No.: frank2017 #1653

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 6(802.11n)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

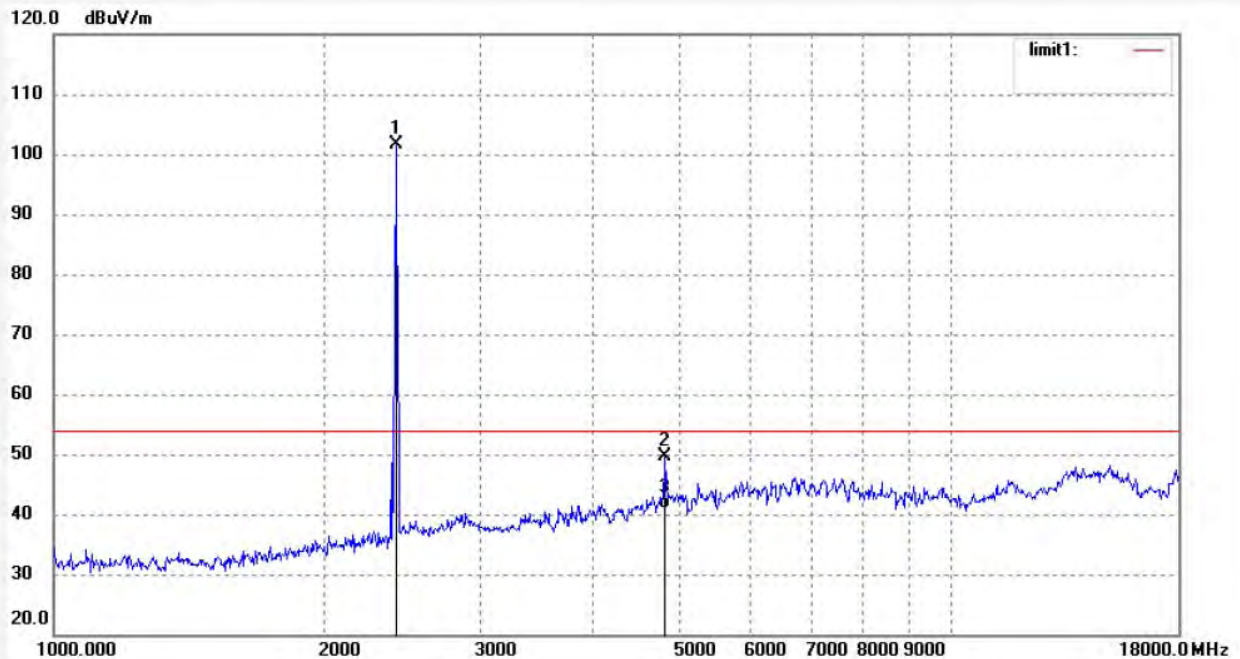
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/32/50

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	107.37	-5.76	101.61	N/A	N/A	peak	150	136	
2	4874.000	46.02	3.67	49.69	74.00	-24.31	peak	150	102	
3	4874.000	37.20	3.67	40.87	54.00	-13.13	AVG	150	102	

Job No.: frank2017 #1654

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 11(802.11n)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

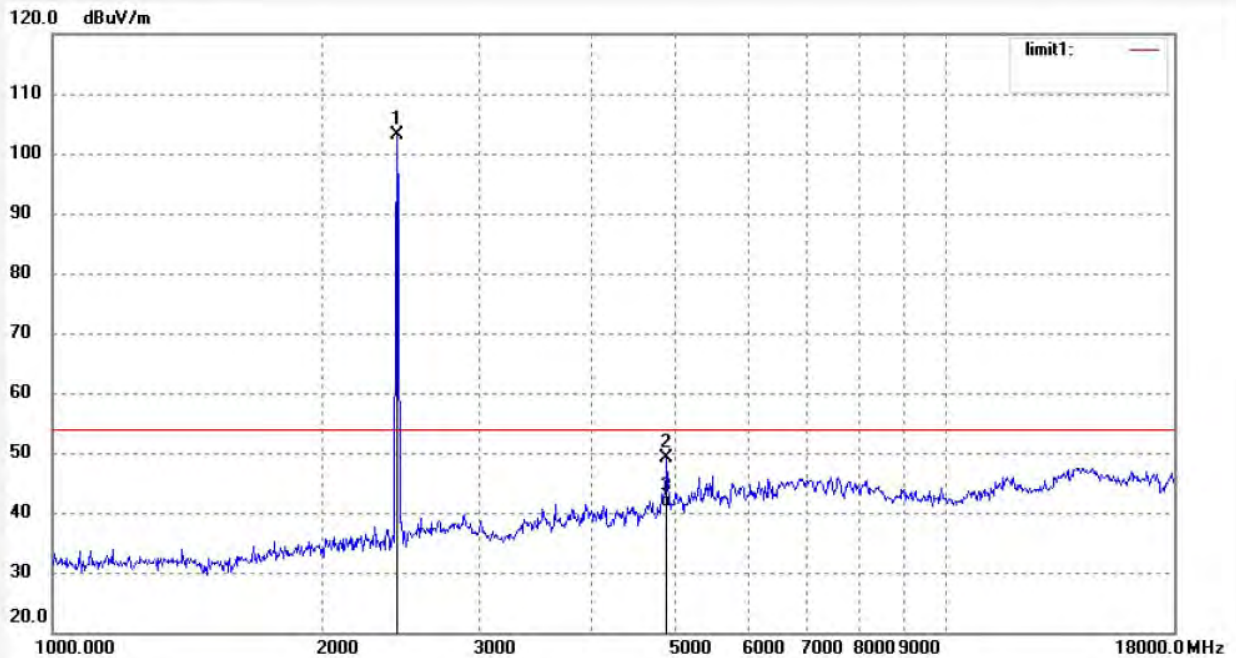
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/34/29

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	108.78	-5.65	103.13	N/A	N/A	peak	150	358	
2	4924.000	44.82	4.20	49.02	74.00	-24.98	peak	150	329	
3	4924.000	36.70	4.20	40.90	54.00	-13.10	AVG	150	329	

Job No.: frank2017 #1655

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 11(802.11n)

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

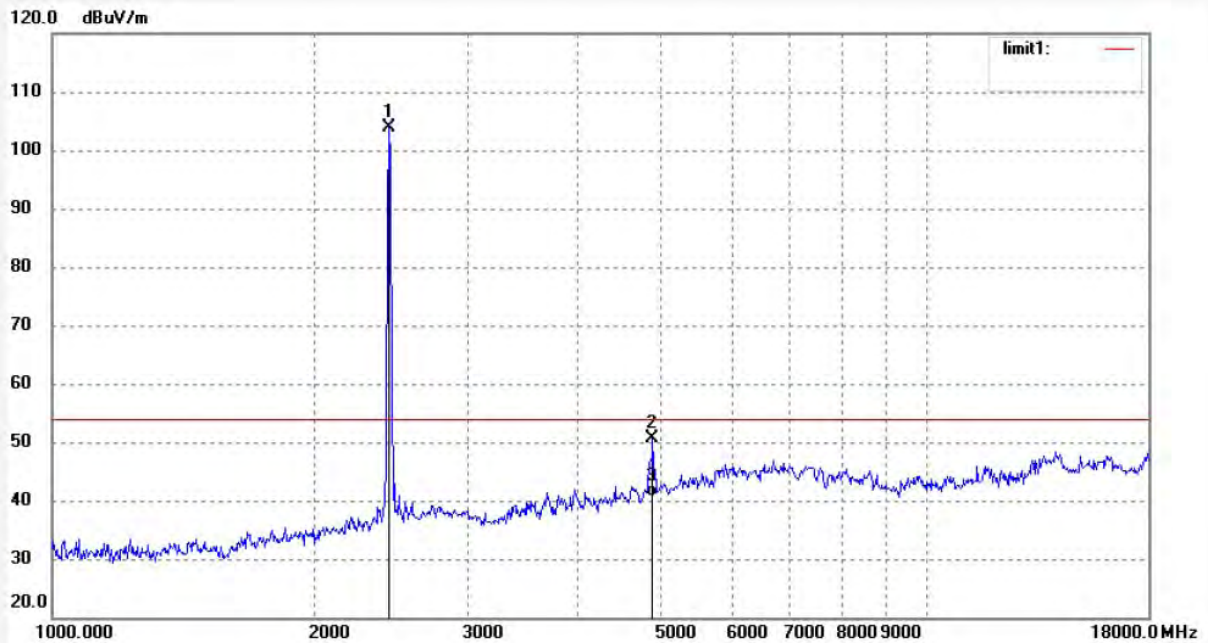
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/36/42

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2462.000	109.49	-5.65	103.84	N/A	N/A	peak	150	100	
2	4924.000	46.49	4.20	50.69	74.00	-23.31	peak	300	102	
3	4924.000	36.37	4.20	40.57	54.00	-13.43	AVG	300	102	



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Job No.: frank2017 #1656

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

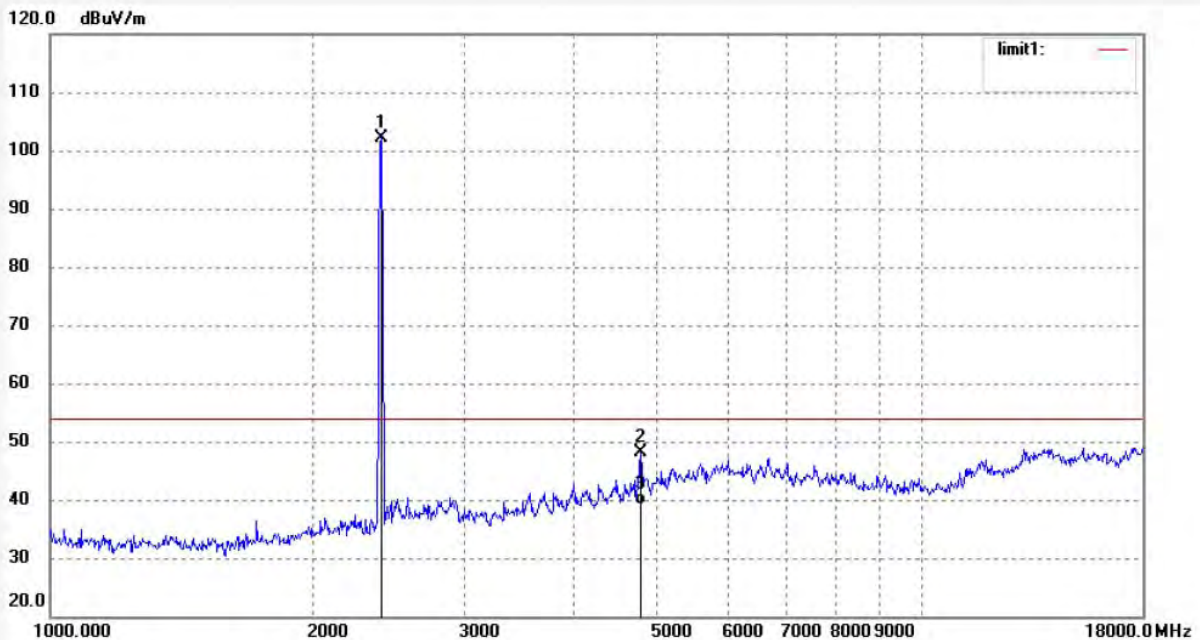
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/41/04

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.000	107.82	-5.80	102.02	N/A	N/A	peak	150	16	
2	4844.000	44.67	3.37	48.04	74.00	-25.96	peak	150	107	
3	4844.000	35.67	3.37	39.04	54.00	-14.96	AVG	150	107	

Job No.: frank2017 #1657

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 3(802.11n)40MHz

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

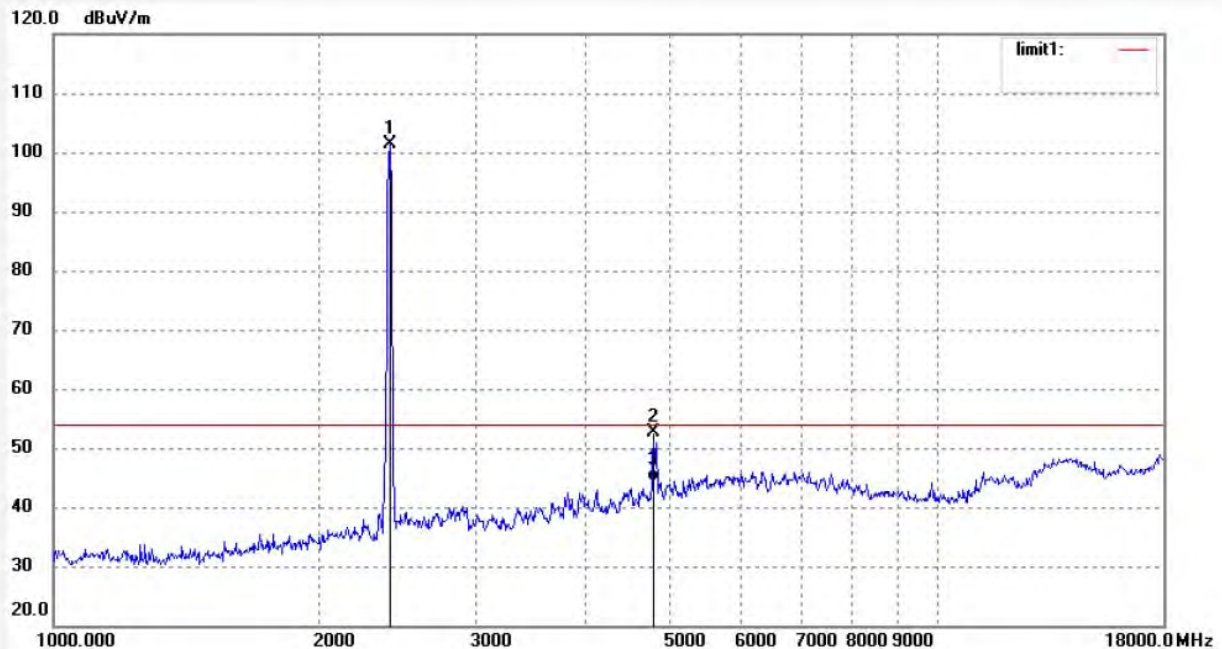
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/42/17

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.000	107.27	-5.80	101.47	N/A	N/A	peak	150	100	
2	4844.000	49.35	3.37	52.72	74.00	-21.28	peak	250	320	
3	4844.000	41.01	3.37	44.38	54.00	-9.62	AVG	250	320	



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Job No.: frank2017 #1658

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 6(802.11n)40MHz

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

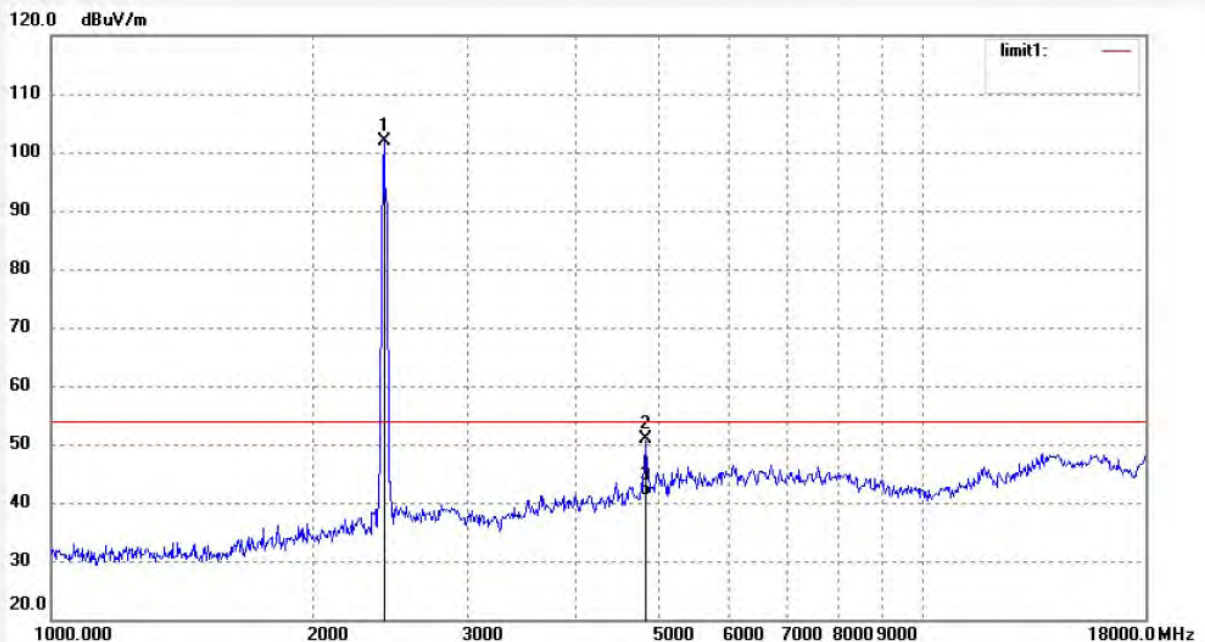
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/44/16

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	107.67	-5.76	101.91	N/A	N/A	peak	150	102	
2	4874.000	47.12	3.67	50.79	74.00	-23.21	peak	250	308	
3	4874.000	37.40	3.67	41.07	54.00	-12.93	AVG	250	308	

Job No.: frank2017 #1659

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

Mode: TX Channel 6(802.11n)40MHz

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

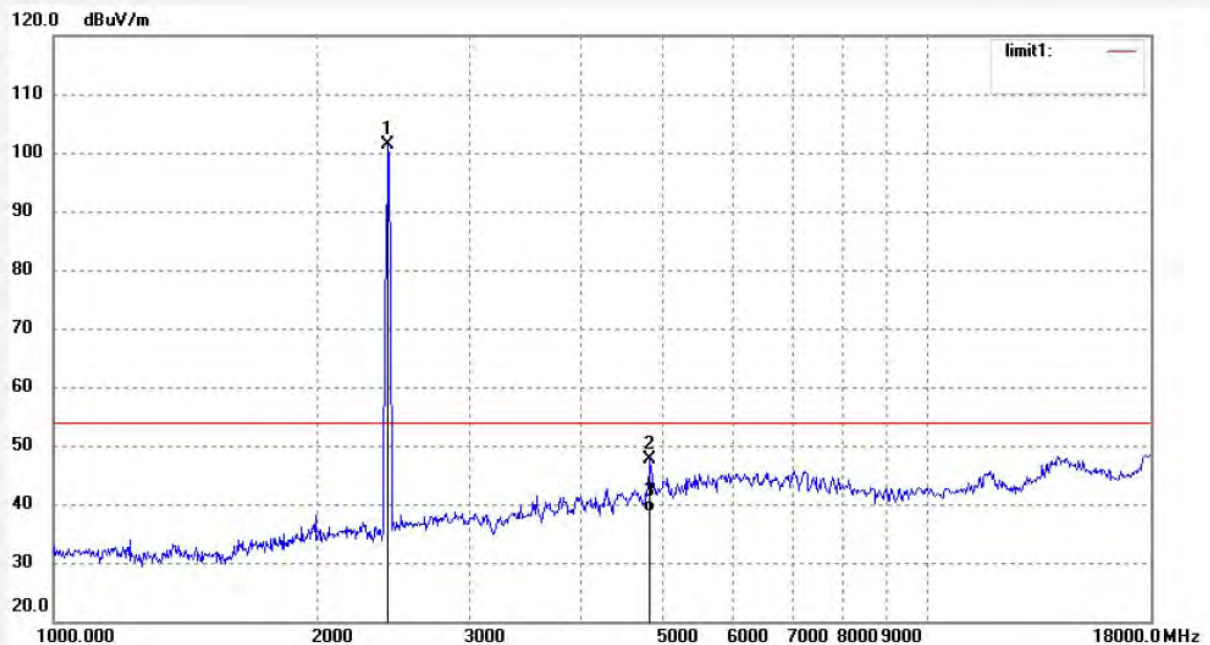
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 17/11/28/

Time: 10/46/05

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2437.000	107.03	-5.72	101.31	N/A	N/A	peak	150	246	
2	4874.000	44.01	3.67	47.68	74.00	-26.32	peak	250	102	
3	4874.000	35.00	3.67	38.67	54.00	-15.33	AVG	250	102	



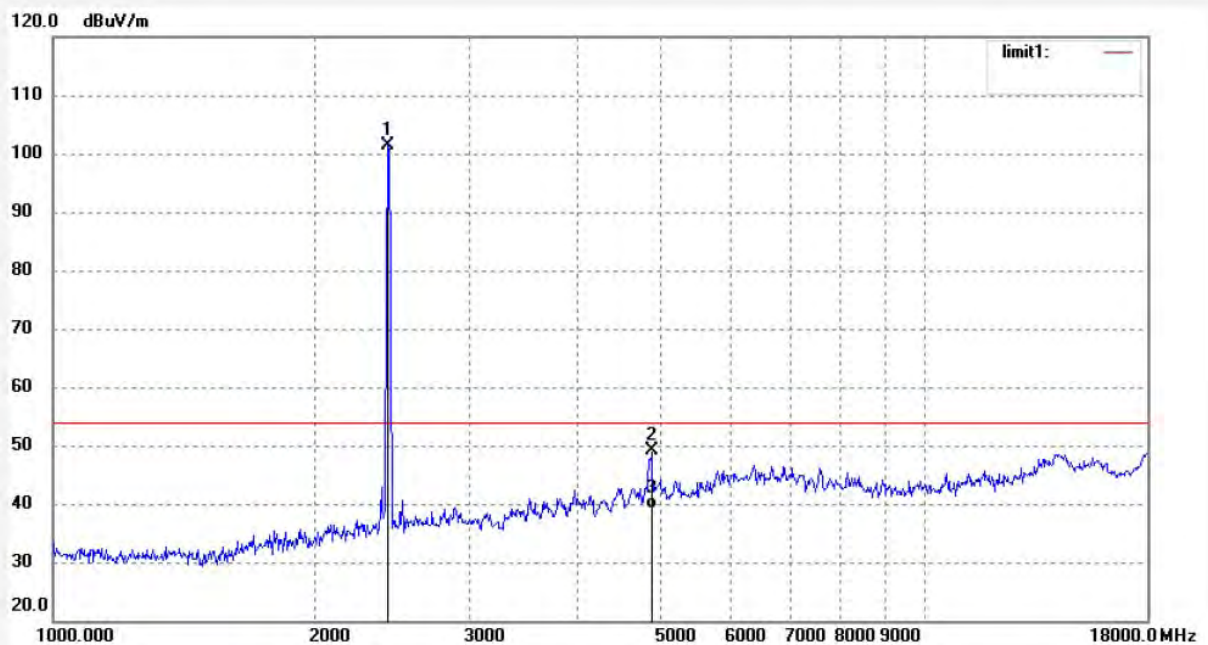
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Job No.: frank2017 #1660
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA
Mode: TX Channel 9(802.11n)40MHz
Model: AEC-9332BSD-AC16W-WF
Manufacturer: AURUM
Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/11/28/
Time: 10/47/55
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2452.000	107.03	-5.69	101.34	N/A	N/A	peak	150	146	
2	4904.000	45.12	4.06	49.18	74.00	-54.82	peak	150	309	
3	4904.000	35.01	4.06	39.07	54.00	-14.93	AVG	150	309	



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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.: frank2017 #1661

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/11/28/

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

Time: 10/49/26

EUT: LED MOTION SENSOR TRACKING LIGHT WIFI CAMERA Engineer Signature: star

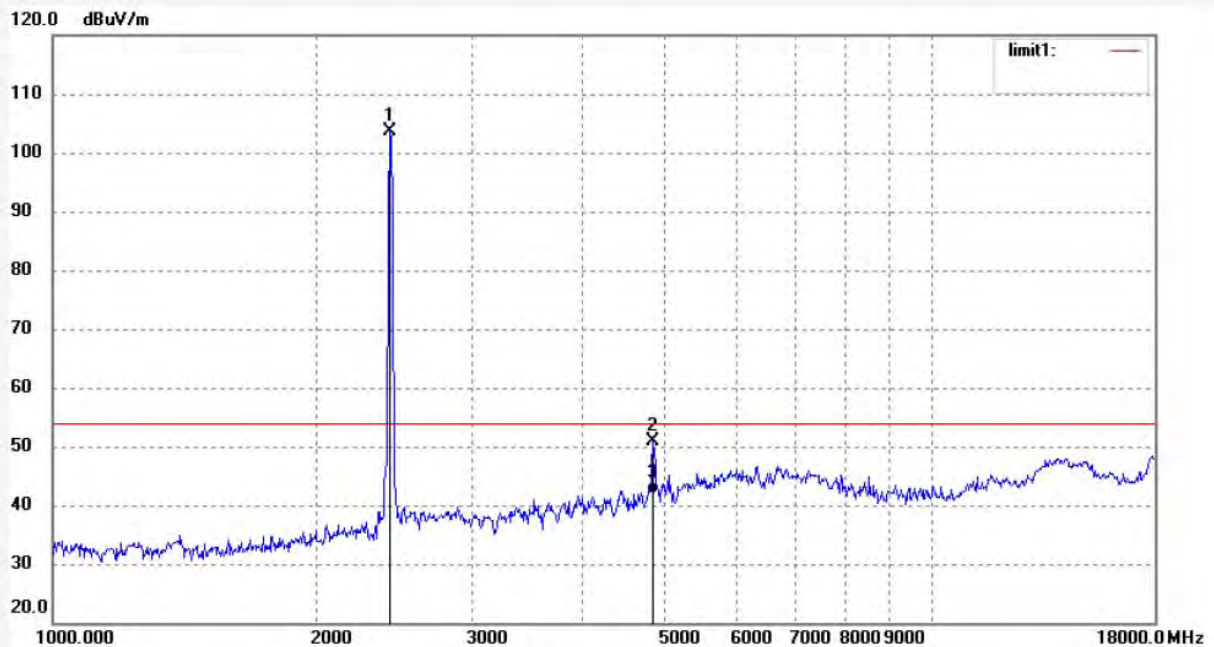
Mode: TX Channel 9(802.11n)40MHz

Distance: 3m

Model: AEC-9332BSD-AC16W-WF

Manufacturer: AURUM

Note: Report No.:ATE20172197



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2452.000	109.20	-5.69	103.51	N/A	N/A	peak	150	100	
2	4904.000	47.01	3.80	50.81	74.00	-23.19	peak	250	156	
3	4904.000	38.01	3.80	41.81	54.00	-12.19	AVG	250	156	

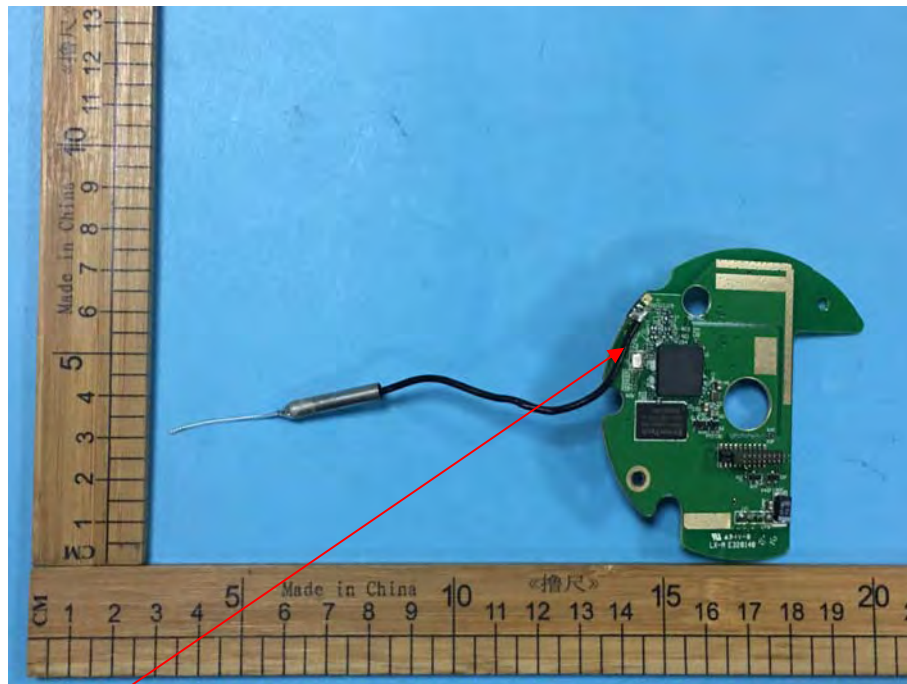
11.ANTENNA REQUIREMENT

11.1.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.

11.2.Antenna Construction

The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b); The Antenna gain of EUT is 2.76dBi. Therefore, the equipment complies with the antenna requirement.



Antenna