



FCC TEST REPORT

Report No.: ARFR-ESH-P20031102B-3

Product: Smart Camera

Test Model: SC031-WNG2-V2

Received: Mar.11, 2020

Test Date: Mar.12 to May.28, 2020

ISSUED: Aug.05, 2020

Applicant: Hangzhou Tuya Information Technology Co., Ltd

Address: Room701, Building3, More Center, No.87 GuDun Road, Hangzhou, Zhejiang, China

Issued By: BUREAU VERITAS ADT (Shanghai) Corporation

Lab Location: No. 829, Xinzhuang Road, Shanghai, P.R.China (201612)



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1. TEST PROGRAM

PRODUCT: Smart Camera
TEST MODEL: SC031-WNG2-V2
APPLICANT: Hangzhou Tuya Information Technology Co., Ltd
TESTED: Mar.12 to May.28, 2020
STANDARDS: 47 CFR FCC Part15, Subpart B, Class B
ANSI C63.4:2014

We, BUREAU VERITAS ADT (Shanghai) Corporation, declare that the equipment above has been tested and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

PREPARED BY : Scott XU, **DATE:** Aug.05, 2020

Scott XU

Project Engineer

APPROVED BY : Daniel Sun, **DATE:** Aug.05, 2020



Daniel Sun

EMC Lab Manager



2. Summary of Test Procedure and Test Results

EMISSION (47 CFR FCC Part15, Subpart B)		
Test Item	Normative References	Test Result
Conducted Emission	47 CFR FCC Part15, Subpart B 15.107	Meets the Class B requirements
Radiated Emission	47 CFR FCC Part15, Subpart B 15.109	Meets the Class B requirements

Special Comment: All tests were performed on 120Vac 60Hz.



3. Test Configuration of Equipment under Test

3.1 Manufacturer information

Manufacturer : Hangzhou Tuya Information Technology Co., Ltd

Address : Room701, Building3, More Center, No.87 GuDun Road, Hangzhou, Zhejiang, China

3.2 Feature of Equipment under Test

Product Name:	Smart Camera
Test Model:	SC031-WNG2-V2
EUT Power Rating:	5VDC/1A with adaptor 100-240Vac~, 50/60Hz

Note: 1. Please refer to user manual.

3.3 Description of support units

NO.	PRODUCT	BRAND	MODEL NO.
1	AC adapter	--	KA25-0501000US
2	Mobile Phone	Vivo	--



3.4 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

This listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.

Measurement	Value
Conducted emissions	2.55 dB
Radiated emissions	30 MHz ~ 1GHz
	Above 1GHz



4 Test of Conducted Emission

4.1 Test Limit

TEST STANDARD:

CFR 47 FCC Part 15, Subpart B (Section: 15.107)

FREQUENCY (MHz)	Class A (dB μ V)		Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

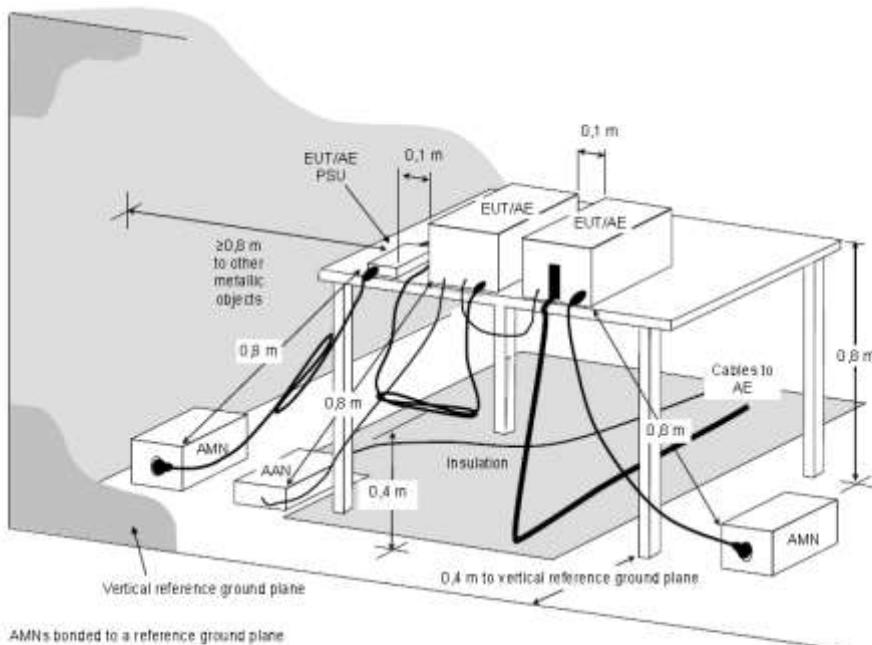
NOTES: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2 Test Procedures

1. The EUT was placed on a desk 0.8 meters height from the metal ground plane and 0.4 meter from the conducting wall of the shielding room and it was kept at least 0.8 meters from any other grounded conducting surface.
2. Connect EUT to the power mains through a Artificial Mains Network (AMN).
3. All the support units are connecting to the other AMN.
4. The AMN provides 50 ohm coupling impedance for the measuring instrument.
5. The CISPR states that a 50 ohm, 50 micro-Henry AMN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched
8. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.3 Typical Test Setup



**Figure D.2 – Example measurement arrangement for table-top EUT
(Conducted emission measurement – alternative 1)**



4.4 Measurement Equipment

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	E1R1001	Mar.03, 2021
LISN ROHDE & SCHWARZ	ENV216	E1L1011	Jul.16, 2021
Software ADT	ADT_Cond_V7.3.0	N/A	N/A

4.5 Test Result and Data

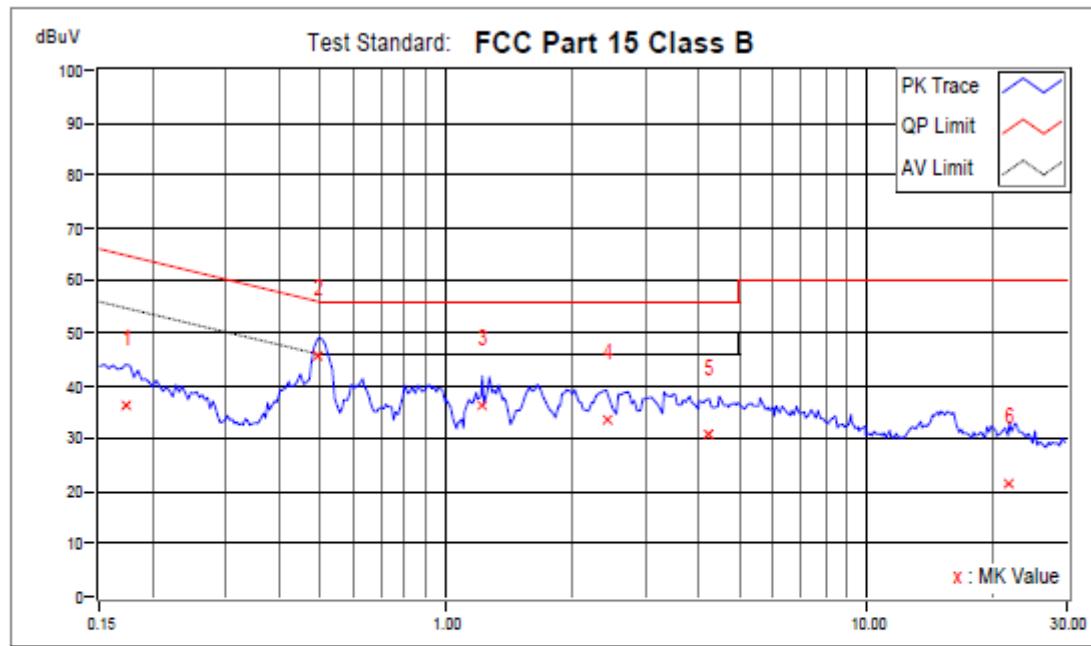
a. Conducted Emission Test Data

120Vac/60Hz

Mode 1:Wireless

Phase : LINE

Location: Conduction 1 Date: 3/17/2020 Time: 11:48:51 AM Phase L1
 Temperatur (C): 20 Humidity (%): 52 Approved by:



No.	Frequency MHz	Corr. Factor dB	Reading dBuV		Emission dBuV		Limit dBuV		Margins dB		Notes
			QP	AV	QP	AV	QP	AV	QP	AV	
1	0.17346	9.84	26.68	16.57	36.52	26.41	64.79	54.79	-28.27	-28.38	
+2	0.49799	9.71	36.14	29.49	45.85	39.20	56.03	46.03	-10.18	-6.83	
3	1.22287	9.63	26.54	20.70	36.17	30.33	56.00	46.00	-19.83	-15.67	
4	2.41542	9.76	23.71	14.91	33.47	24.67	56.00	46.00	-22.53	-21.33	
5	4.23748	9.81	21.16	12.63	30.97	22.44	56.00	46.00	-25.03	-23.56	
6	21.97633	10.03	11.29	2.60	21.32	12.63	60.00	50.00	-38.68	-37.37	

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



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Phase : NEUTRAL

Location: Conduction 1

Date: 3/17/2020

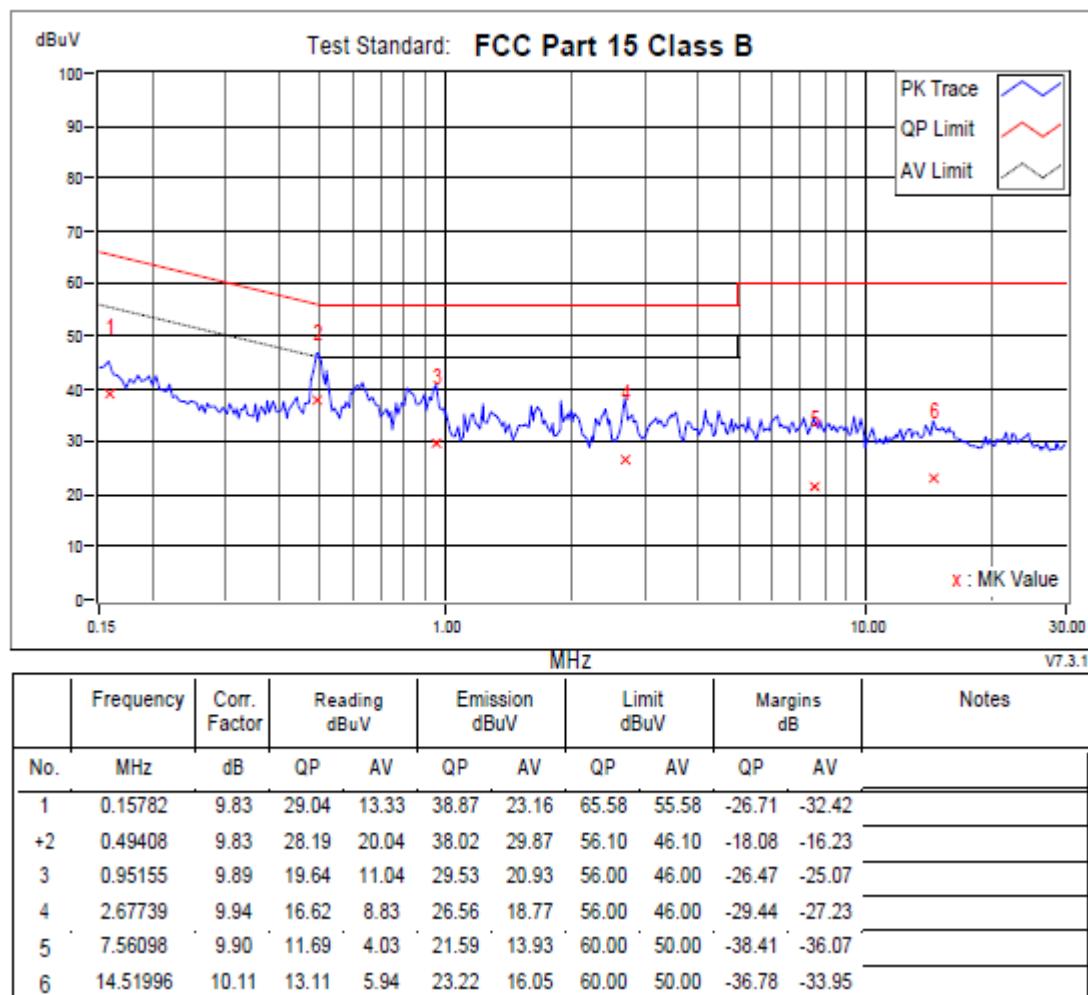
Time: 12:00:36 PM

Phase N

Temperatuer (C): 20

Humidity (%): 52

Approved by:



REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



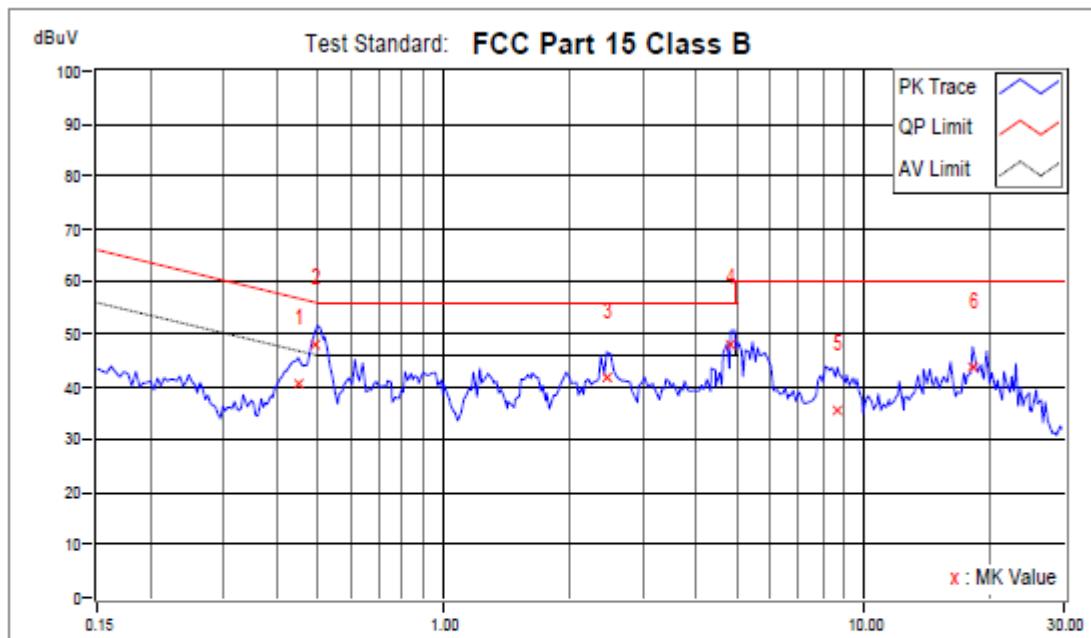
120Vac/60Hz

Mode 2: Lan

Phase: LINE

Location: Conduction 1 Date: 3/17/2020 Time: 11:34:45 AM Phase L1

Temperatuer (C): 20 Humidity (%): 52 Approved by:



No.	Frequency MHz	Corr. Factor dB	Reading dBuV		Emission dBuV		Limit dBuV		Margins dB		Notes
			QP	AV	QP	AV	QP	AV	QP	AV	
1	0.45107	9.71	30.85	24.87	40.56	34.58	56.86	46.86	-16.30	-12.28	
+2	0.49799	9.71	38.52	32.22	48.23	41.93	56.03	46.03	-7.80	-4.10	
3	2.45061	9.76	32.16	25.42	41.92	35.18	56.00	46.00	-14.08	-10.82	
4	4.84353	9.83	38.06	27.27	47.89	37.10	56.00	46.00	-8.11	-8.90	
5	8.68706	10.04	25.33	17.21	35.37	27.25	60.00	50.00	-24.63	-22.75	
6	18.24619	10.06	33.72	27.63	43.78	37.69	60.00	50.00	-16.22	-12.31	

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



Phase: NEUTRAL

Location: Conduction 1

Date: 3/17/2020

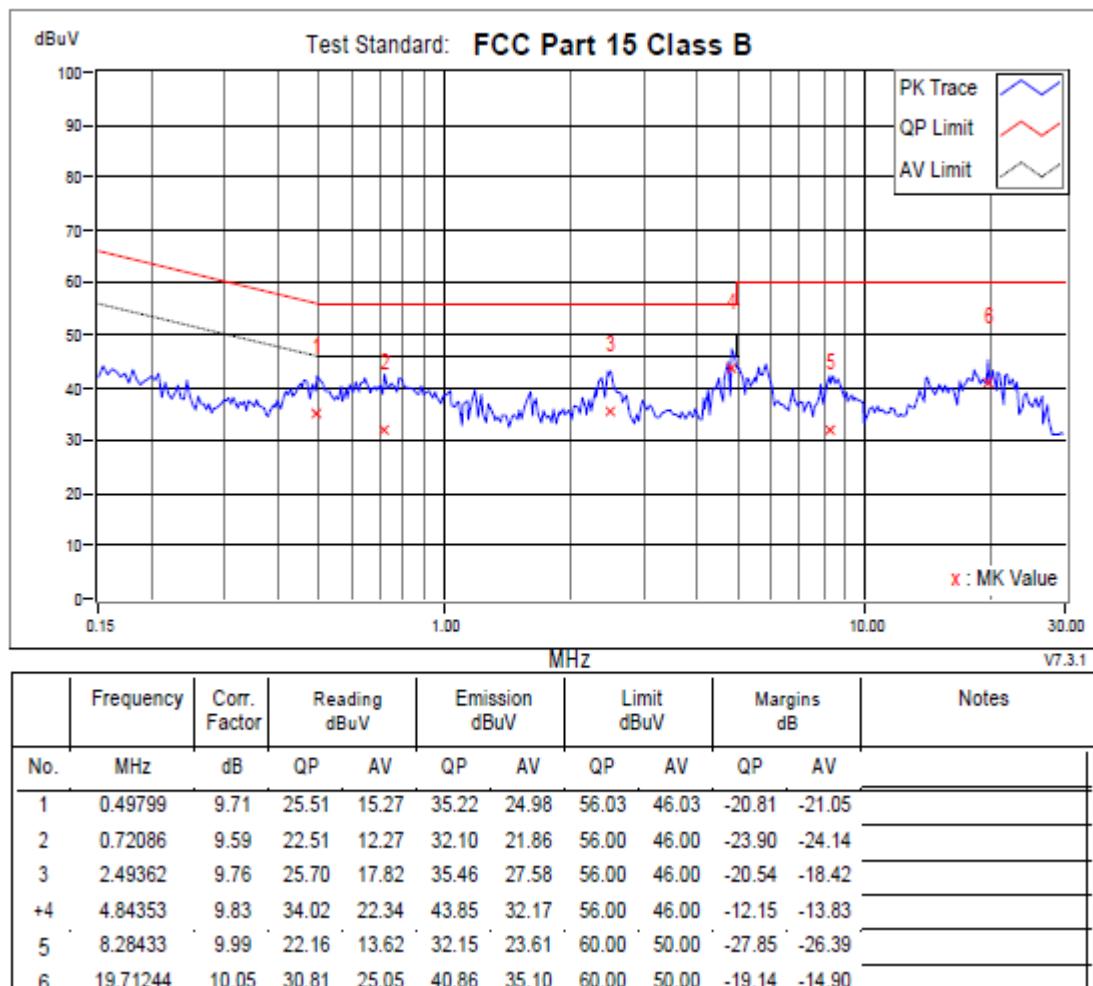
Time: 11:21:35 AM

Phase N

Temperatur (C): 20

Humidity (%): 52

Approved by:



REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



240Vac/50Hz

Mode 1: Wireless

Phase: LINE

Location: Conduction 1

Date: 5/28/2020

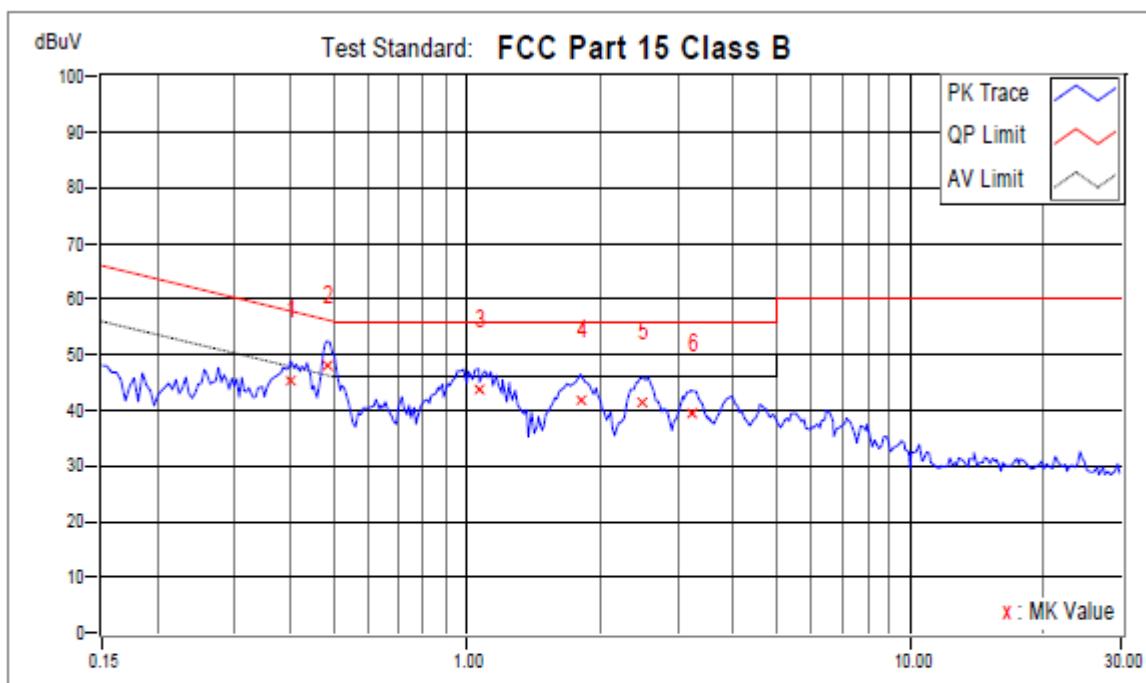
Time: 1:25:12 PM

Phase L1

Temperatuer (C): 23

Humidity (%): 53

Approved by:



MHz

V7.3.1

No.	Frequency MHz	Corr. Factor	Reading dBuV		Emission dBuV		Limit dBuV		Margins dB		Notes
			dB	QP	AV	QP	AV	QP	AV	QP	
1	0.40024	9.84	35.47	27.46	45.31	37.30	57.85	47.85	-12.53	-10.54	
+2	0.48235	9.83	38.40	30.23	48.23	40.06	56.30	46.30	-8.07	-6.24	
3	1.06256	9.89	33.91	25.70	43.80	35.59	56.00	46.00	-12.20	-10.41	
4	1.80155	9.91	31.70	24.59	41.61	34.50	56.00	46.00	-14.39	-11.50	
5	2.49362	9.93	31.33	23.63	41.26	33.56	56.00	46.00	-14.74	-12.44	
6	3.20133	9.90	29.74	22.48	39.64	32.38	56.00	46.00	-16.36	-13.62	

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



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Phase: NEUTRAL

Location: Conduction 1

Date: 5/28/2020

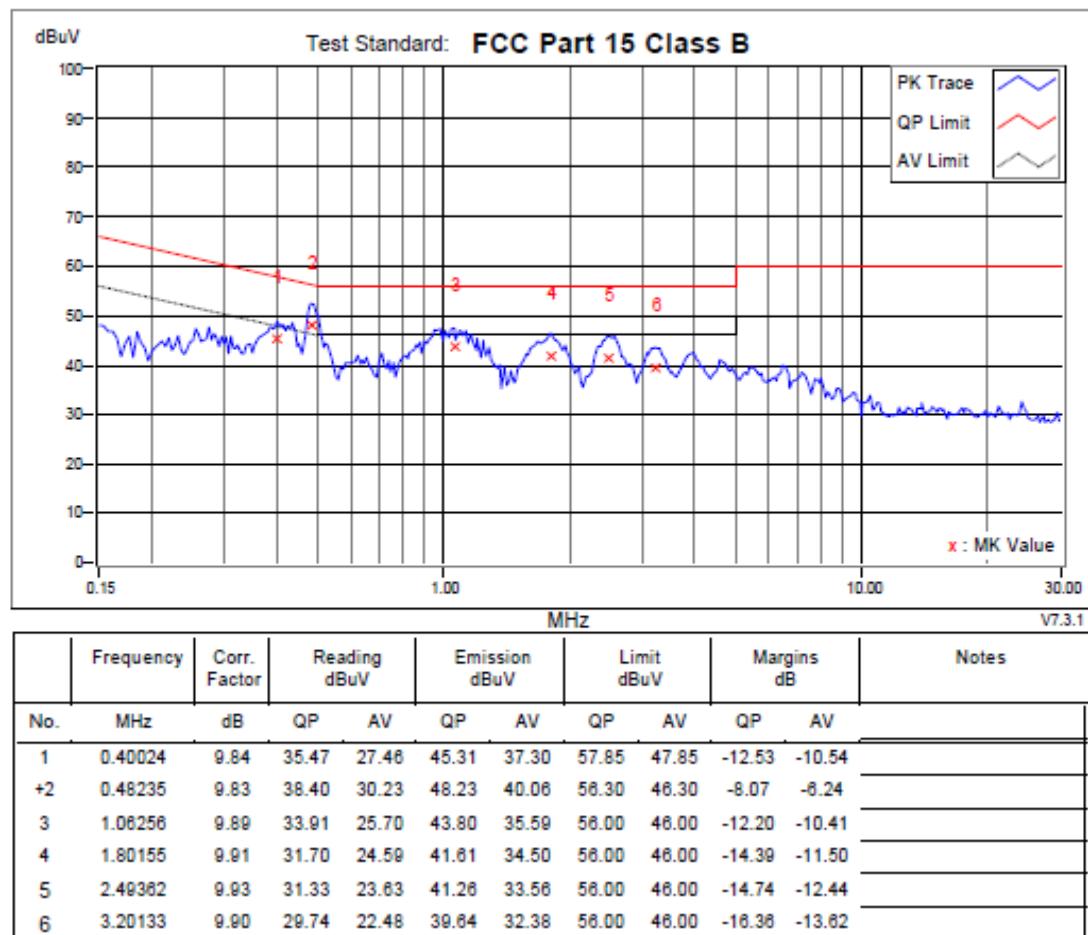
Time: 1:24:14 PM

Phase N

Temperatur (C): 23

Humidity (%): 53

Approved by:



REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



240Vac/50Hz

Mode 2: Lan

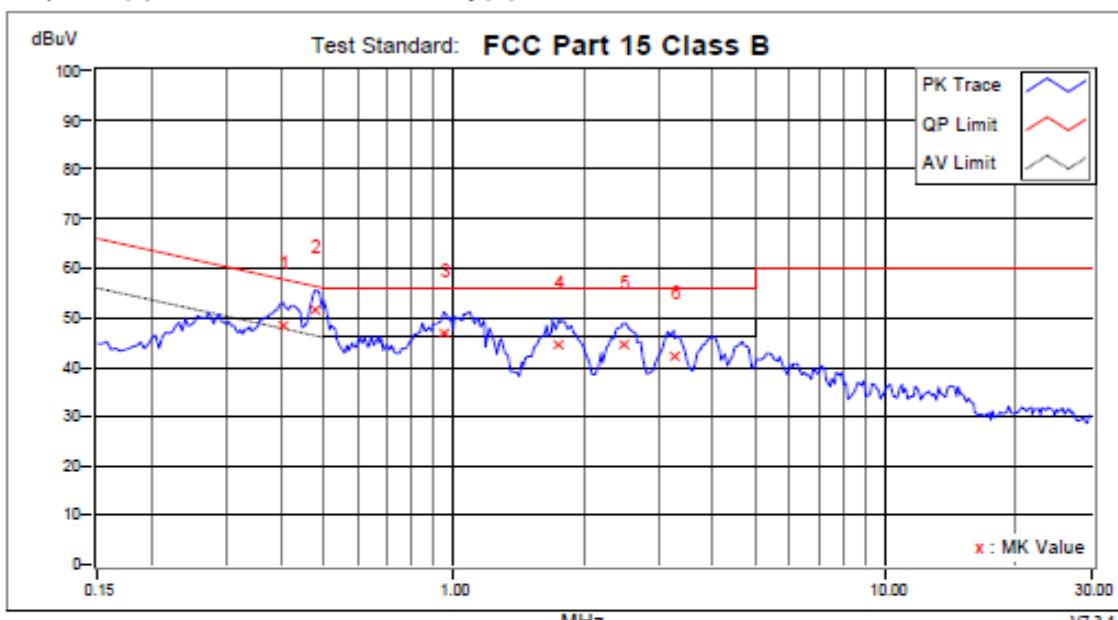
Phase: LINE

Location: Conduction 1 Date: 5/28/2020 Time: 1:21:30 PM Phase L1

Temperatuer (C): 23

Humidity (%): 53

Approved by:



No.	Frequency	Corr. Factor	Reading dBuV		Emission dBuV		Limit dBuV		Margins dB		Notes
	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
1	0.40415	9.70	38.82	29.75	48.52	39.45	57.77	47.77	-9.25	-8.32	
+2	0.47844	9.71	41.74	32.22	51.45	41.93	58.37	46.37	-4.92	-4.44	
3	0.95155	9.59	37.10	27.07	46.69	36.66	56.00	46.00	-9.31	-9.34	
4	1.75854	9.71	34.93	25.36	44.64	35.07	56.00	46.00	-11.36	-10.93	
5	2.47016	9.76	34.88	25.66	44.64	35.42	56.00	46.00	-11.36	-10.58	
6	3.24043	9.79	32.25	23.13	42.04	32.92	56.00	46.00	-13.96	-13.08	

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



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Phase: NEUTRAL

Location: Conduction 1

Date: 5/28/2020

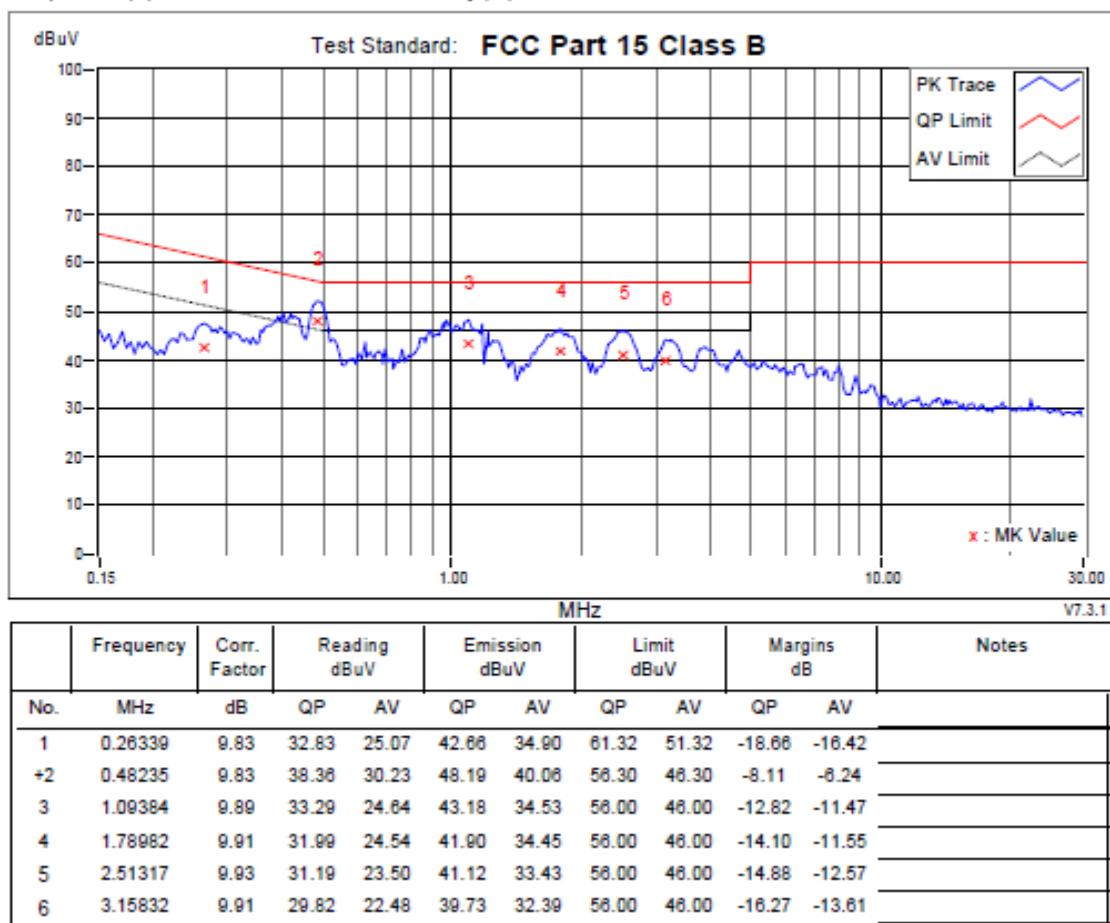
Time: 1:23:29 PM

Phase N

Temperatuer (C): 23

Humidity (%): 53

Approved by:



REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

4.6 Test Photographs

Mode 1: Wireless



Mode 2: Lan





5 Test of Radiated Emission

5.1 Test Limit

TEST STANDARD:

CFR 47 FCC Part 15, Subpart B (Section: 15.109)

FOR FREQUENCY BELOW 1000 MHz

FREQUENCY (MHz)	Class A (at 10m)		Class B (at 3m)	
	µV/m	dBµV/m	µV/m	dBµV/m
30 – 88	90	39.1	100	40.0
88 – 216	150	43.5	150	43.5
216 – 960	210	46.4	200	46.0
960 – 1000	300	49.5	500	54.0

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

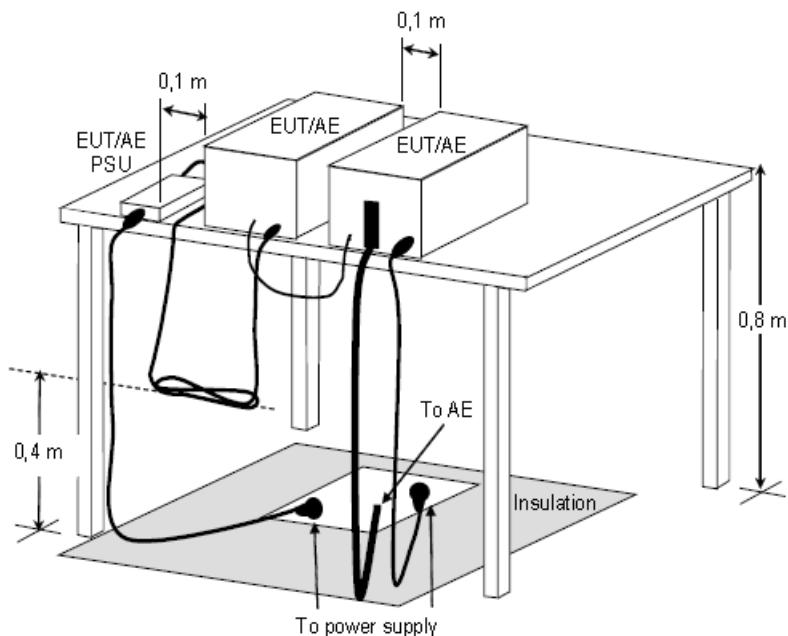
FREQUENCY (MHz)	Class A (dBµV/m) (at 3m)		Class B (dBµV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80.0	60.0	74.0	54.0

- Note:**
1. The lower limit shall apply at the transition frequencies.
 2. Emission level (dB μ V/m) = 20 log Emission level (μ V/m).
 3. All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.2 Test Procedures

1. The EUT was placed on a rotatable table top 0.8 meter above ground.
2. The EUT was set 3/10 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a half wave dipole and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
5. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.

5.3 Typical Test Setup



**Figure D.8 – Example measurement arrangement for table-top EUT
(Radiated emission measurement)**



5.4 Measurement Equipment

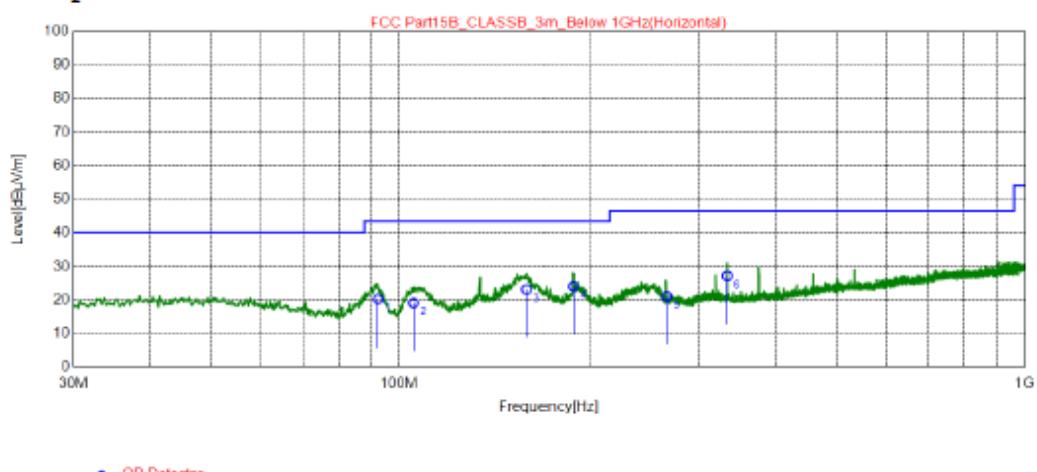
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
EMI Test Spectrum ROHDE & SCHWARZ	ESR7	E1R1005	Dec.02, 2020
Spectrum Analyzer Keysight	N9030B	E1S1003	Jul.22, 2020
Broad-Band Antenna Schwarzbeck	VULB9168	E1A1012	Aug.25, 2020
Double Riaged Vroadband Horn Antenna Schwarzbeck	BBHA9120D	E1A1017	Jan.25, 2021
Preamplifier Agilent	8447D	E1A2001	Oct.13, 2020
Preamplifier Agilent	EMC051845SE	E1A2009	Jul.18, 2020

5.5 Test Result and Data (30MHz ~ 1GHz)

Mode1: Wireless

Position: Horizontal

Test Graph



NO.	Freq. [MHz]	QP Reading [dB μ V/m]	Factor [dB]	QP Value [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	92.46	34.48	-14.25	20.23	43.50	23.27	200	123	Horizontal
2	105.4	31.81	-12.71	19.10	43.50	24.40	200	288	Horizontal
3	159.9	32.09	-8.93	23.16	43.50	20.34	200	291	Horizontal
4	188.8	35.92	-11.88	24.04	43.50	19.46	100	65	Horizontal
5	266.4	31.06	-9.96	21.10	46.50	25.40	100	121	Horizontal
6	333.2	35.99	-8.85	27.14	46.50	19.36	100	74	Horizontal

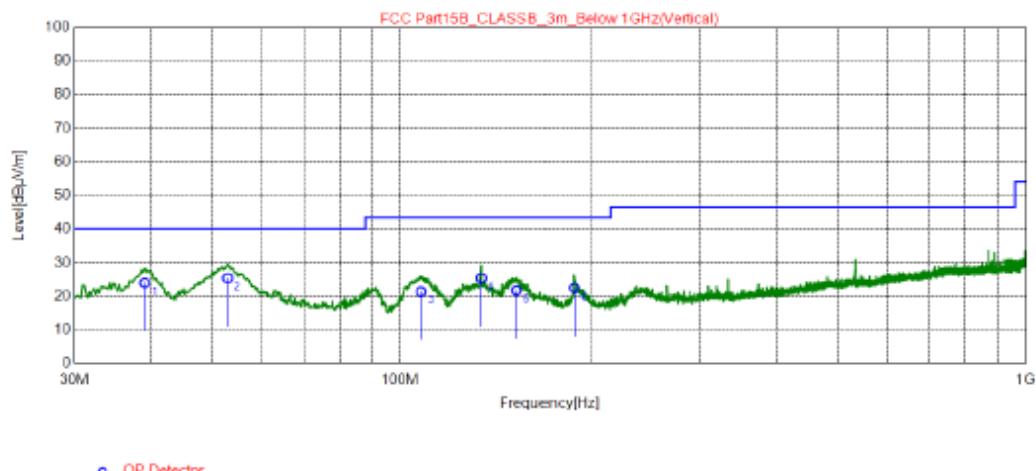
REMARKS:

1. Q.P. is abbreviation of quasi-peak individually.
2. The emission levels of other frequencies were very low against the limit.
3. QP Margin value = QP Limit value – QP value.
4. Factor = Antenna Factor + Amplifier Factor + Cable loss.
5. QP value = Factor + Reading Value.



Position: Vertical

Test Graph



NO.	Freq. [MHz]	QP Reading [dB μ V/m]	Factor [dB]	QP Value [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	38.92	33.59	-9.59	24.00	40.00	16.00	100	106	Vertical
2	52.89	35.37	-9.95	25.42	40.00	14.58	100	1	Vertical
3	107.9	33.78	-12.36	21.42	43.50	22.08	100	25	Vertical
4	134.9	35.89	-10.46	25.43	43.50	18.07	100	200	Vertical
5	153.5	30.91	-9.17	21.74	43.50	21.76	100	1	Vertical
6	188.8	34.34	-11.08	22.46	43.50	21.04	100	147	Vertical

REMARKS:

1. Q.P. is abbreviation of quasi-peak individually.
2. The emission levels of other frequencies were very low against the limit.
3. QP Margin value = QP Limit value – QP value
4. Factor = Antenna Factor + Amplifier Factor + Cable loss
5. QP value = Factor + Reading Value.

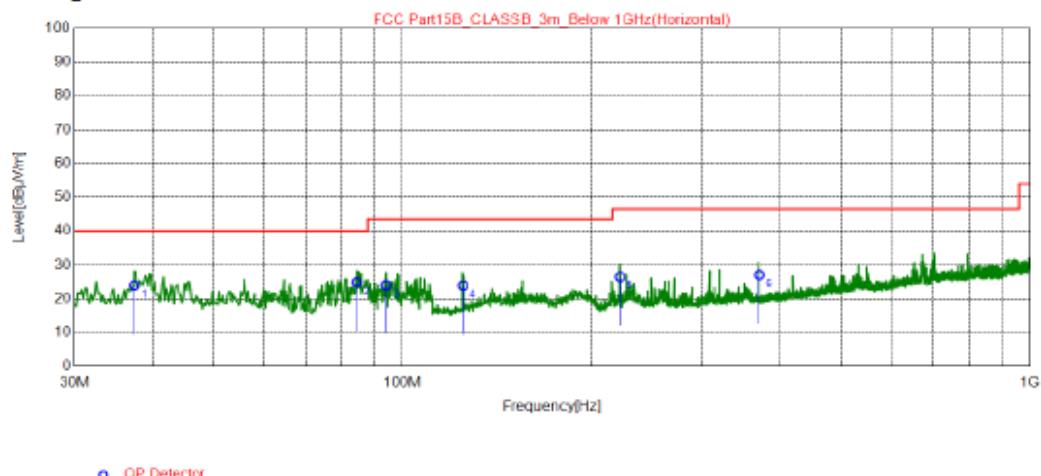


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Mode 2: Lan

Position: Horizontal

Test Graph



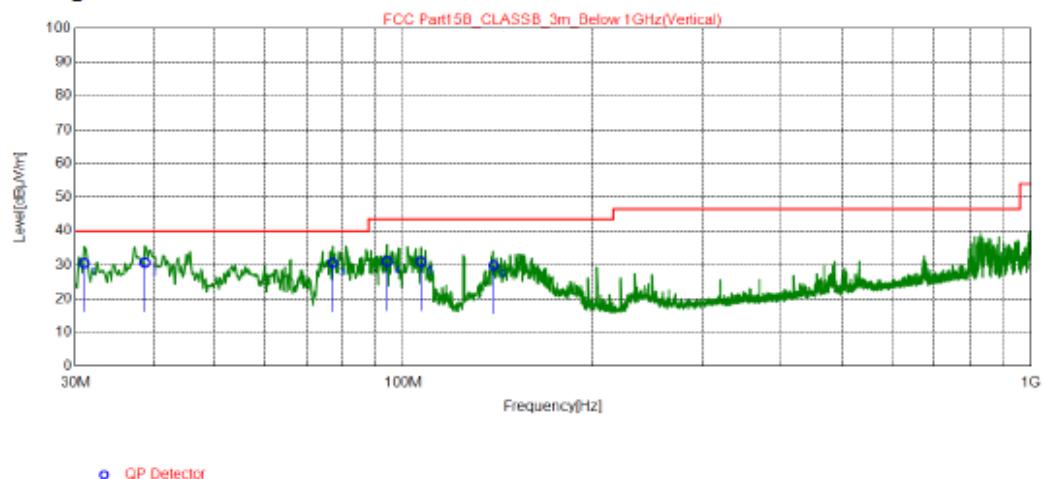
NO.	Freq. [MHz]	QP Reading [dB μ V/m]	Factor [dB]	QP Value [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.37	33.72	-9.79	23.93	40.00	16.07	100	336	Horizontal
2	84.51	38.9	-14.10	24.80	40.00	15.20	200	171	Horizontal
3	94.21	38.04	-14.07	23.97	43.50	19.53	100	336	Horizontal
4	124.8	35.14	-11.24	23.90	43.50	19.60	200	189	Horizontal
5	222.0	37.89	-11.40	26.49	46.50	20.01	200	148	Horizontal
6	370.2	35.16	-8.14	27.02	46.50	19.48	100	89	Horizontal

REMARKS:

1. Q.P. is abbreviation of quasi-peak individually.
2. The emission levels of other frequencies were very low against the limit.
3. QP Margin value = QP Limit value – QP value.
4. Factor = Antenna Factor + Amplifier Factor + Cable loss.
5. QP value = Factor + Reading Value.

Position: Vertical

Test Graph



NO.	Freq. [MHz]	QP Reading [dB μ V/m]	Factor [dB]	QP Value [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.97	41.08	-10.59	30.49	40.00	9.51	100	197	Vertical
2	38.73	40.25	-9.62	30.63	40.00	9.37	100	202	Vertical
3	77.14	43.85	-13.28	30.57	40.00	9.43	100	14	Vertical
4	94.21	45.07	-14.07	31.00	43.50	12.50	100	114	Vertical
5	106.6	43.49	-12.55	30.94	43.50	12.56	100	82	Vertical
6	139.2	40.11	-10.22	29.89	43.50	13.61	100	207	Vertical

REMARKS:

1. Q.P. is abbreviation of quasi-peak individually.
2. The emission levels of other frequencies were very low against the limit.
3. QP Margin value = QP Limit value – QP value
4. Factor = Antenna Factor + Amplifier Factor + Cable loss
5. QP value = Factor + Reading Value.

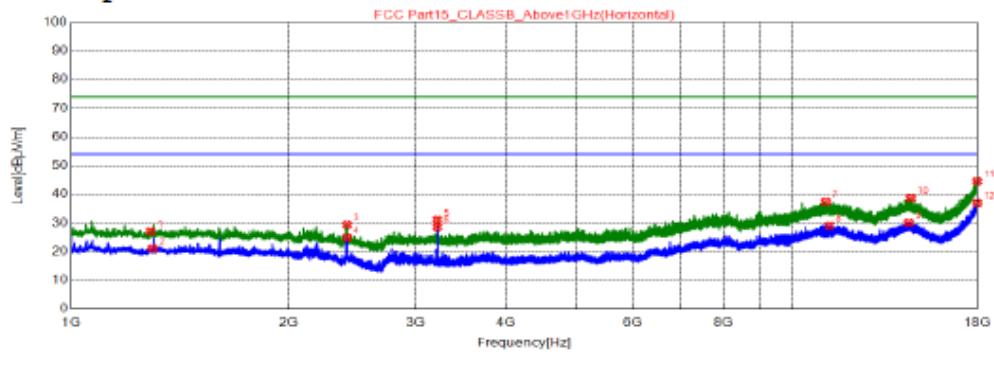


5.6 Test Result and Data (1GHz ~ 18GHz)

Mode 1:Wireless

Position: Horizontal

Test Graph



NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	1288.1500	45.59	27.02	74.00	46.98	100	185	Horizontal	PK
2	1297.5000	39.50	20.96	54.00	33.04	100	147	Horizontal	AV
3	2410.1500	45.25	29.33	74.00	44.67	100	340	Horizontal	PK
4	2411.0000	40.90	24.98	54.00	29.02	100	340	Horizontal	AV
5	3215.9500	44.77	31.06	74.00	42.94	100	107	Horizontal	PK
6	3216.8000	42.22	28.51	54.00	25.49	100	107	Horizontal	AV
7	11090.3500	35.93	37.45	74.00	36.55	100	301	Horizontal	PK
8	11222.9500	27.38	29.04	54.00	24.96	100	224	Horizontal	AV
9	14450.4000	26.31	30.05	54.00	23.95	100	107	Horizontal	AV
10	14537.1000	34.98	38.72	74.00	35.28	100	147	Horizontal	PK
11	17971.9500	32.76	44.47	74.00	29.53	100	224	Horizontal	PK
12	17972.8000	25.23	36.95	54.00	17.05	100	262	Horizontal	AV

REMARKS:

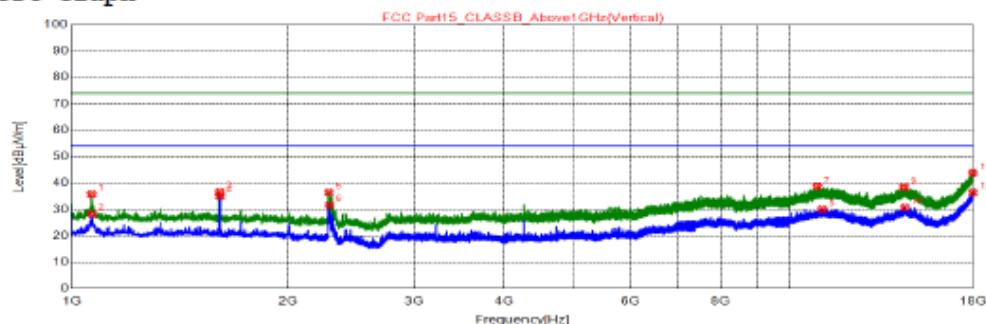
1. The emission levels of other frequencies were very low against the limit.
2. Margin = Limit -Level



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VERITAS

Position: Vertical

Test Graph



NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	1066.3000	55.01	35.74	74.00	38.26	100	59	Vertical	PK
2	1067.1500	47.58	28.31	54.00	25.69	100	290	Vertical	AV
3	1607.7500	54.24	36.60	74.00	37.40	100	136	Vertical	PK
4	1608.6000	52.64	35.00	54.00	19.00	100	98	Vertical	AV
5	2280.1000	52.68	36.48	74.00	37.52	100	252	Vertical	PK
6	2284.3500	47.89	31.70	54.00	22.30	100	252	Vertical	AV
7	10915.2500	37.43	38.61	74.00	35.39	100	175	Vertical	PK
8	11090.3500	28.47	29.99	54.00	24.01	100	213	Vertical	AV
9	14413.0000	34.63	38.30	74.00	35.70	100	252	Vertical	PK
10	14457.2000	26.99	30.74	54.00	23.26	100	290	Vertical	AV
11	17960.9000	32.19	43.80	74.00	30.20	100	252	Vertical	PK
12	17967.7000	24.77	36.44	54.00	17.56	100	21	Vertical	AV

REMARKS:

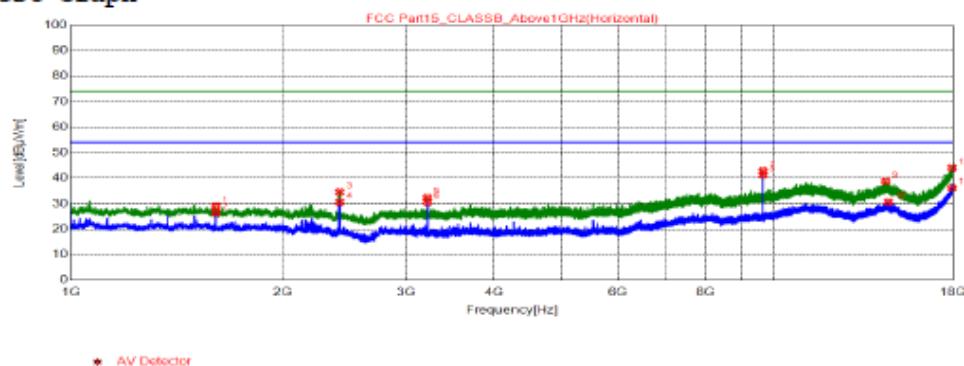
1. The emission levels of other frequencies were very low against the limit.
2. Margin = Limit - Level



Mode 2: Lan

Position: Horizontal

Test Graph



NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	1607.7500	46.65	29.01	74.00	44.99	100	15	Horizontal	PK
2	1608.6000	44.12	26.48	54.00	27.52	100	61	Horizontal	AV
3	2413.5500	50.46	34.54	74.00	39.46	100	199	Horizontal	PK
4	2414.4000	46.50	30.59	54.00	23.41	100	244	Horizontal	AV
5	3215.9500	46.15	32.44	74.00	41.56	100	199	Horizontal	PK
6	3216.8000	44.33	30.62	54.00	23.38	100	199	Horizontal	AV
7	9647.9000	44.56	42.90	74.00	31.10	100	15	Horizontal	PK
8	9648.7500	42.93	41.28	54.00	12.72	100	15	Horizontal	AV
9	14432.5500	34.99	38.70	74.00	35.30	100	15	Horizontal	PK
10	14553.2500	26.92	30.62	54.00	23.38	100	15	Horizontal	AV
11	17911.6000	24.94	36.13	54.00	17.87	100	107	Horizontal	AV
12	17913.3000	32.78	43.98	74.00	30.02	100	61	Horizontal	PK

REMARKS:

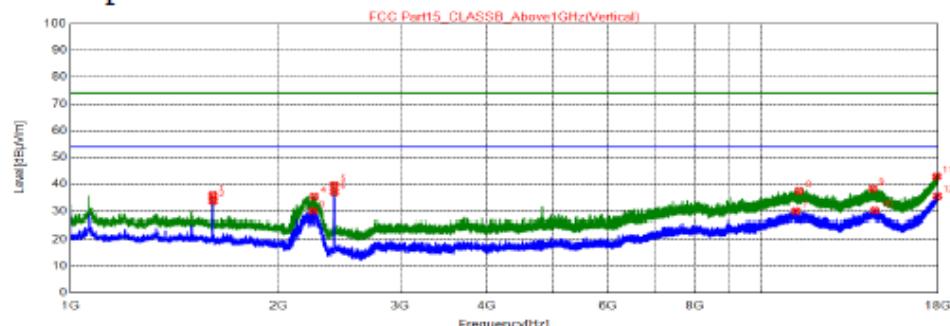
1. The emission levels of other frequencies were very low against the limit.
2. Margin = Limit - Level



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Position: Vertical

Test Graph



NO.	Freq. [MHz]	Reading [dBuV/m]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Detector
1	1607.7500	53.55	35.91	74.00	38.09	100	31	Vertical	PK
2	1608.6000	51.41	33.77	54.00	20.23	100	31	Vertical	AV
3	2242.7000	46.22	29.95	54.00	24.05	100	91	Vertical	AV
4	2253.7500	51.65	35.40	74.00	38.60	100	152	Vertical	PK
5	2409.3000	55.55	39.63	74.00	34.37	100	91	Vertical	PK
6	2410.1500	52.83	36.91	54.00	17.09	100	31	Vertical	AV
7	11202.5500	28.23	29.89	54.00	24.11	100	91	Vertical	AV
8	11325.8000	35.78	37.45	74.00	36.55	100	211	Vertical	PK
9	14482.7000	34.52	38.31	74.00	35.69	100	152	Vertical	PK
10	14587.2500	26.56	30.18	54.00	23.82	100	211	Vertical	AV
11	17901.4000	31.84	42.94	74.00	31.06	100	272	Vertical	PK
12	17934.5500	24.13	35.52	54.00	18.48	100	31	Vertical	AV

REMARKS:

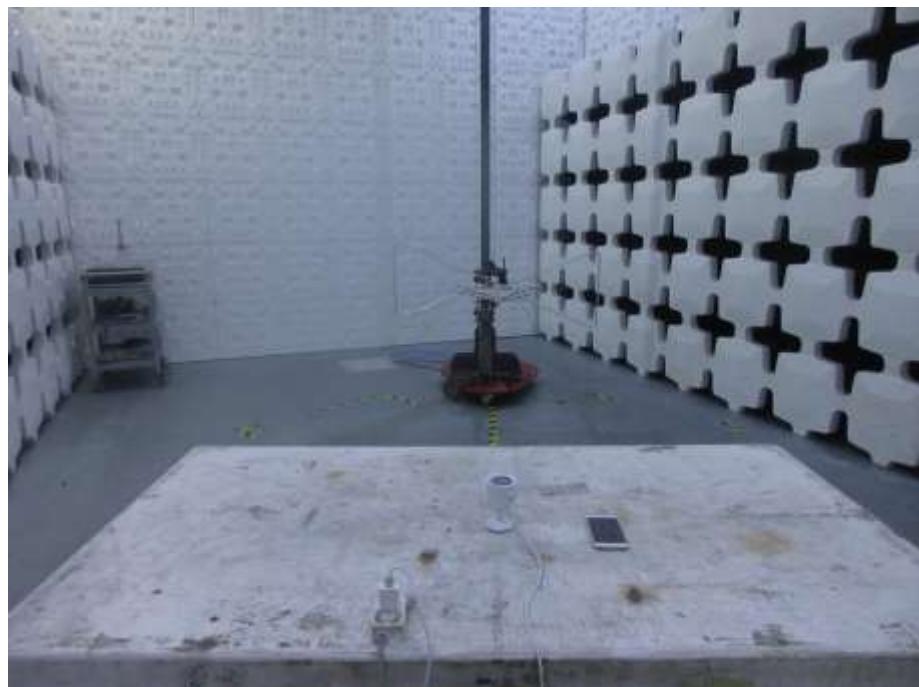
1. The emission levels of other frequencies were very low against the limit.
2. Margin = Limit - Level



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5.7 Test Photographs (30MHz ~ 1000MHz)

Mode 1:Wireless

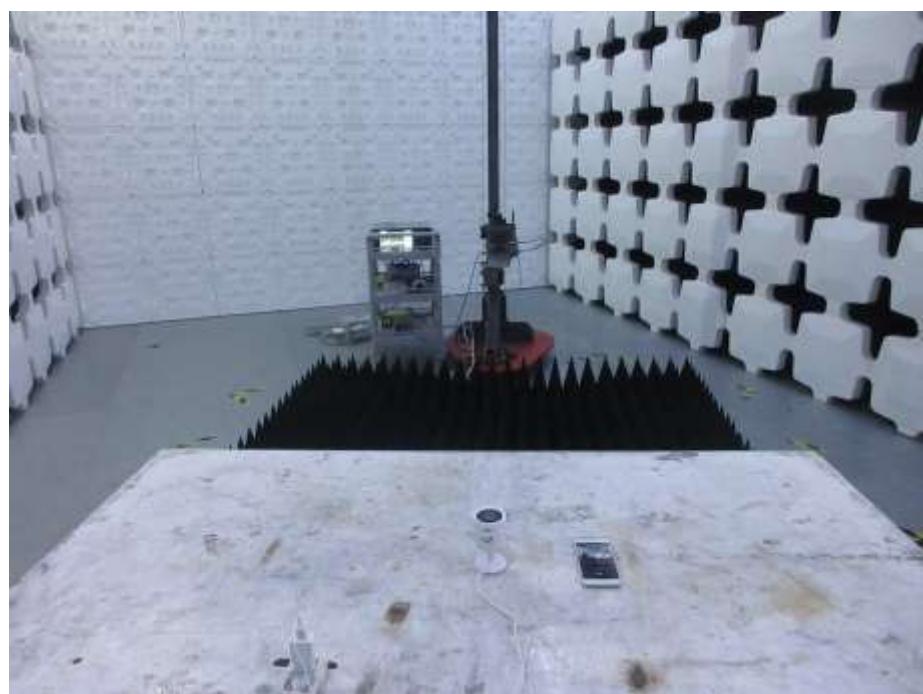


Mode 2:Lan

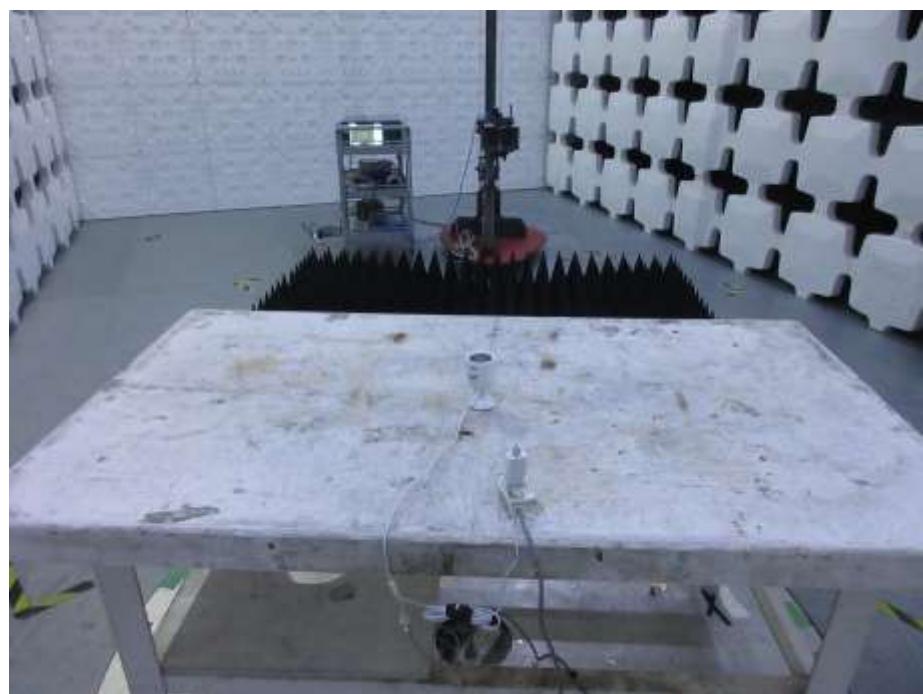


5.8 Test Photographs (1000MHz ~ 18000MHz)

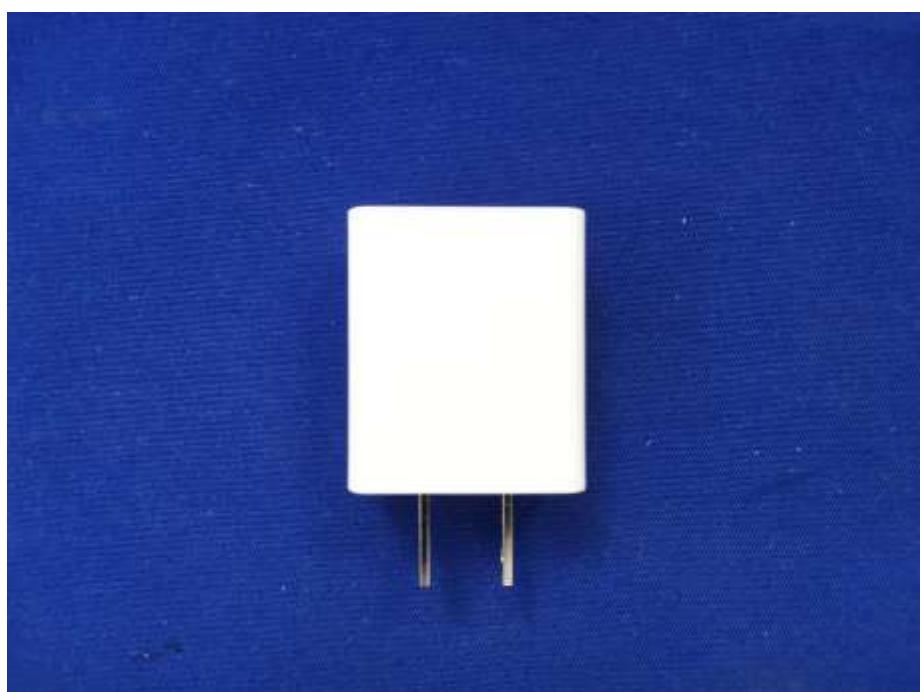
Mode 1: Wireless



Mode 2:Lan



6 Photographs of EUT





Model: KA25-0501000US

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