

FCC TEST REPORT

Report No.: ARFR-ESH-P20072483B-2

Product: Smart Camera

Test Model: SC012-WL2

Received: Jul.27, 2020

ISSUED: Sep.17, 2020

Applicant: Zhejiang Tuya Smart Electronics Co., Ltd

Address: Room 901, Building 1, Huace Center, Xihu District, Hangzhou,

Zhejiang Province, China

Issued By: BUREAU VERITAS ADT (Shanghai) Corporation

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

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1. TEST PROGRAM

PRODUCT: Smart Camera
TEST MODEL: SC012-WL2

APPLICANT: Zhejiang Tuya Smart Electronics Co., Ltd

TESTED: Jul.30 to Aug.25, 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: Sep.17, 2020

Project Engineer

Daniel Sun EMC Lab Manager

APPROVED BY :

DATE:

Sep.17, 2020



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								



3. Test Configuration of Equipment under Test

3.1 Manufacturer information

Manufacturer: Zhejiang Tuya Smart Electronics Co., Ltd

Room 901, Building 1, Huace Center, Xihu District, Hangzhou, Zhejiang

Address :

Province, China

3.2 Feature of Equipment under Test

Product Name:	Smart Camera
Test Model:	SC012-WL2
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	Mobile Phone	Vivo	
2	Network Cable		
3	Adaptor	Shenzhen Keyu Power Supply Technology Co., Ltd	KA06E-0501000US
4	Adaptor	Shenzhen Keyu Power Supply Technology Co., Ltd	TPA-46B050100UU

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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	
	30 MHz ~ 1GHz	3.22 dB
Radiated emissions	Above 1GHz	2.89 dB

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4 Test of Conducted Emission

4.1 Test Limit

TEST STANDARD:

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

	Class A	(dBµV)	Class B (dBµV)			
FREQUENCY (MHz)	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.

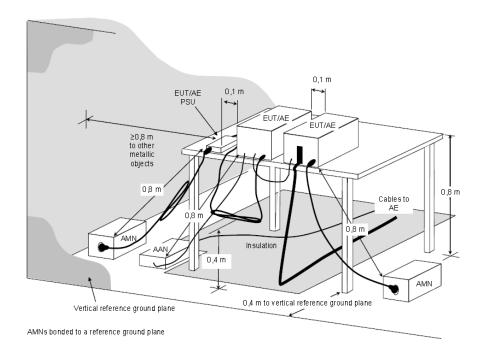
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4.2 Test Procedures

- 1. The EUT was placed on a desk 0.8 meter 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



NOTE. The 0,8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be \geq 0,8 m.

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.11, 2021
LISN ROHDE & SCHWARZ	ENV216	E1L1011	Mar.11, 2021
Software ADT	ADT_Cond_V7.3.0	N/A	N/A

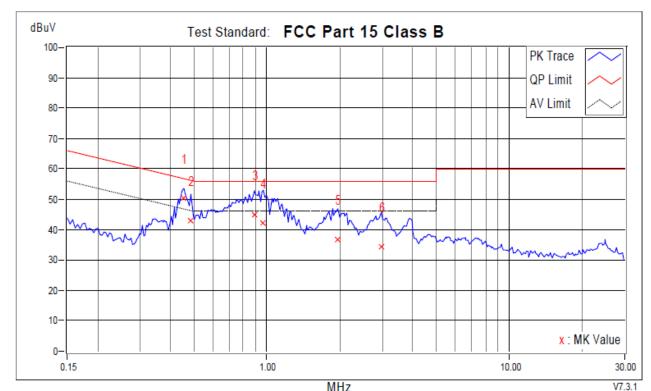


4.5 Test Result and Data

Conducted Emission Test Data

For Adaptor 1: KA06E-0501000US

120Vac/60Hz Phase : LINE

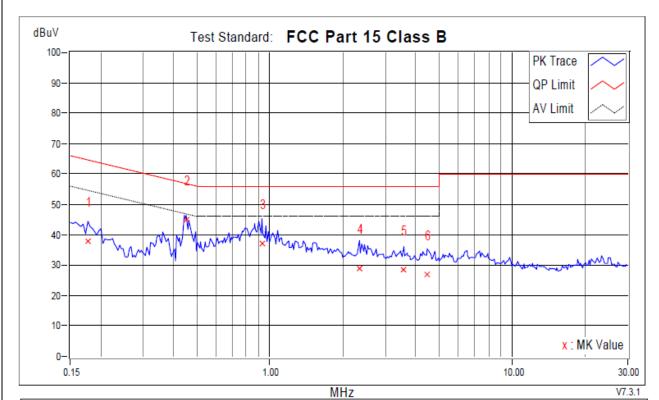


						- 111	1114				
	Frequency	Corr. Factor		ading BuV	Emission dBuV		Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
+1	0.45498	9.71	40.71	26.86	50.42	36.57	56.78	46.78	-6.37	-10.22	
2	0.48626	9.71	33.41	16.71	43.12	26.42	56.23	46.23	-13.11	-19.81	
3	0.88899	9.58	35.33	23.07	44.91	32.65	56.00	46.00	-11.09	-13.35	
4	0.96719	9.59	32.56	19.97	42.15	29.56	56.00	46.00	-13.85	-16.44	
5	1.96577	9.74	27.14	15.49	36.88	25.23	56.00	46.00	-19.12	-20.77	
6	2.97064	9.78	24.41	14.58	34.19	24.36	56.00	46.00	-21.81	-21.64	
	1		r	r	r	r	ſ		r		

- 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.





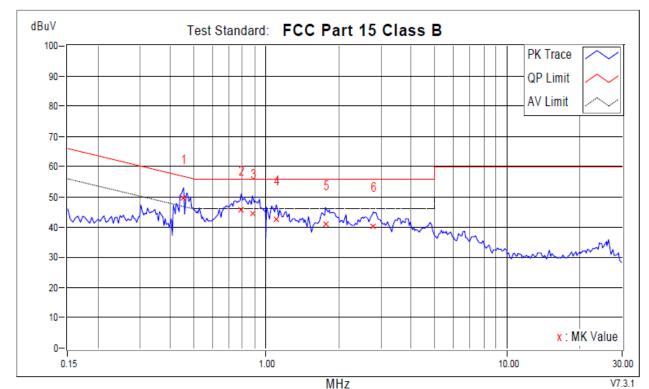


	Frequency	Corr. Factor		iding BuV		ssion BuV	Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
1	0.17737	9.81	28.10	12.36	37.91	22.17	64.61	54.61	-26.70	-32.44	
+2	0.45107	9.84	35.18	23.42	45.02	33.26	56.86	46.86	-11.84	-13.60	
3	0.92809	9.89	27.21	14.55	37.10	24.44	56.00	46.00	-18.90	-21.56	
4	2.34504	9.92	19.06	7.33	28.98	17.25	56.00	46.00	-27.02	-28.75	
5	3.57669	9.82	18.79	8.98	28.61	18.80	56.00	46.00	-27.39	-27.20	
6	4.46426	9.61	17.40	7.36	27.01	16.97	56.00	46.00	-28.99	-29.03	

- 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.



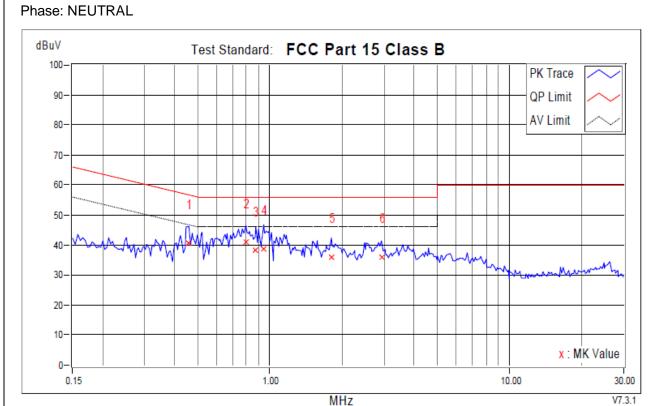
240Vac/50Hz Phase: LINE



	Frequency	Corr. Factor		iding BuV	Emission dBuV		Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
+1	0.45498	9.71	39.92	24.95	49.63	34.66	56.78	46.78	-7.16	-12.13	
2	0.78733	9.58	35.96	25.14	45.54	34.72	56.00	46.00	-10.46	-11.28	
3	0.87726	9.58	35.06	22.55	44.64	32.13	56.00	46.00	-11.36	-13.87	
4	1.10166	9.61	32.88	21.47	42.49	31.08	56.00	46.00	-13.51	-14.92	
5	1.76245	9.71	31.21	19.19	40.92	28.90	56.00	46.00	-15.08	-17.10	
6	2.79078	9.77	30.35	17.03	40.12	26.80	56.00	46.00	-15.88	-19.20	

- 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.





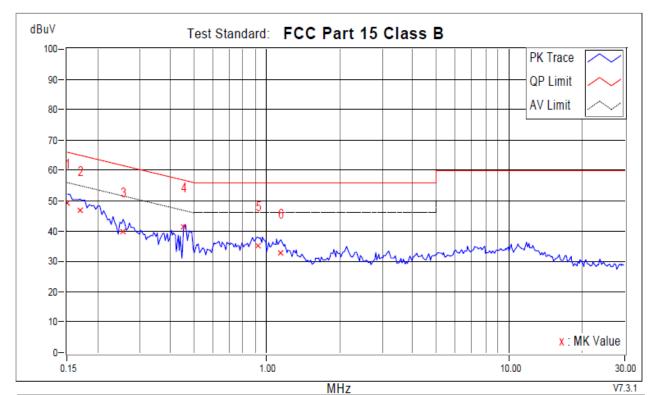
	Frequency	Corr. Factor		iding BuV	Emission dBuV		Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
1	0.45889	9.85	30.78	14.91	40.63	24.76	56.71	46.71	-16.08	-21.95	
+2	0.79515	9.88	31.11	21.59	40.99	31.47	56.00	46.00	-15.01	-14.53	
3	0.87335	9.89	28.38	18.42	38.27	28.31	56.00	46.00	-17.73	-17.69	
4	0.94373	9.89	28.59	17.34	38.48	27.23	56.00	46.00	-17.52	-18.77	
5	1.80937	9.93	26.02	16.40	35.95	26.33	56.00	46.00	-20.05	-19.67	
6	2.92763	10.03	25.77	15.34	35.80	25.37	56.00	46.00	-20.20	-20.63	

- 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.



For Adaptor 2: TPA-46B050100UU

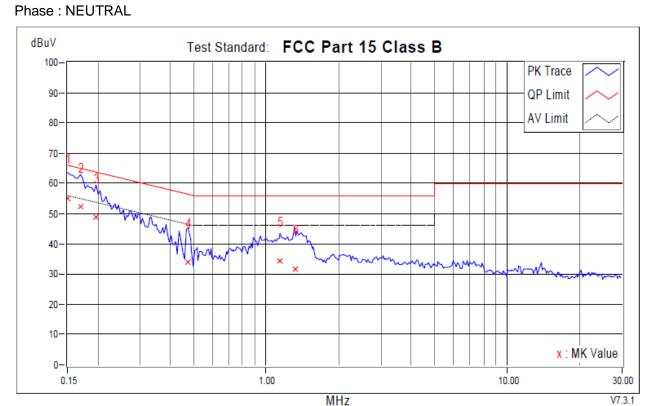
120Vac/60Hz Phase : LINE



	Frequency	Corr. Factor		iding BuV	Emission dBuV		Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
1	0.15000	9.83	39.47	21.95	49.30	31.78	66.00	56.00	-16.70	-24.22	
2	0.16955	9.84	36.87	20.86	46.71	30.70	64.98	54.98	-18.27	-24.28	
3	0.25557	9.76	30.12	13.56	39.88	23.32	61.57	51.57	-21.69	-28.25	
+4	0.45498	9.71	31.51	19.14	41.22	28.85	56.78	46.78	-15.57	-17.94	
5	0.91636	9.59	25.67	14.30	35.26	23.89	56.00	46.00	-20.74	-22.11	
6	1.14467	9.61	23.17	12.75	32.78	22.36	56.00	46.00	-23.22	-23.64	

- 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.



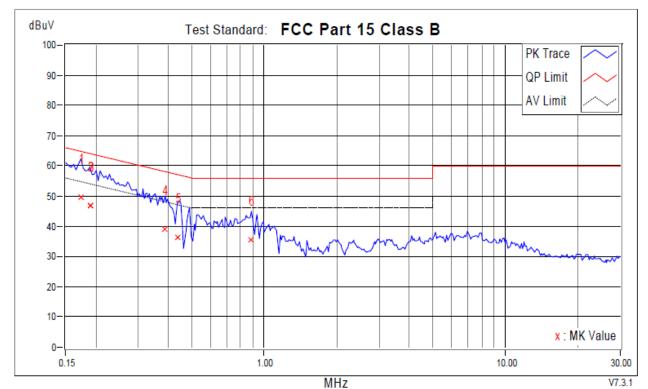


	Frequency	Corr. Factor		iding BuV		ssion BuV	Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
+1	0.15000	9.84	45.40	27.89	55.24	37.73	66.00	56.00	-10.76	-18.27	
2	0.16955	9.82	42.56	25.01	52.38	34.83	64.98	54.98	-12.60	-20.15	
3	0.19692	9.79	39.19	22.22	48.98	32.01	63.74	53.74	-14.76	-21.73	
4	0.47453	9.83	24.06	12.68	33.89	22.51	56.43	46.43	-22.54	-23.92	
5	1.14076	9.89	24.45	16.19	34.34	26.08	56.00	46.00	-21.66	-19.92	
6	1.31671	9.90	21.86	16.34	31.76	26.24	56.00	46.00	-24.24	-19.76	

- 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.



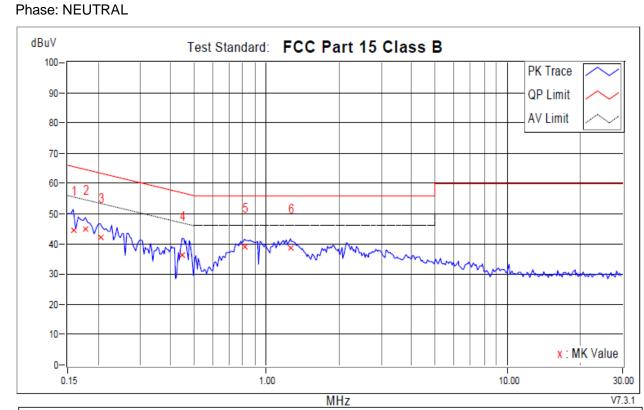
240Vac/50Hz Phase: LINE



	Frequency	Corr. Factor		ading BuV		ssion BuV	1	mit BuV	Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
+1	0.17346	9.85	39.57	20.08	49.42	29.93	64.79	54.79	-15.37	-24.86	
2	0.18910	9.86	36.95	16.96	46.81	26.82	64.08	54.08	-17.27	-27.26	
3	0.18910	9.86	36.87	16.11	46.73	25.97	64.08	54.08	-17.35	-28.11	
4	0.38851	9.72	29.37	17.53	39.09	27.25	58.10	48.10	-19.01	-20.85	
5	0.43934	9.72	26.56	12.61	36.28	22.33	57.07	47.07	-20.79	-24.74	-
6	0.88508	9.59	25.77	13.12	35.36	22.71	56.00	46.00	-20.64	-23.29	·

- 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.





	Frequency	Corr. Factor		iding BuV		ssion BuV	Limit dBuV		Margins dB		Notes
No.	MHz	dB	QP	AV	QP	AV	QP	AV	QP	AV	
1	0.15782	9.84	34.61	15.15	44.45	24.99	65.58	55.58	-21.13	-30.59	
2	0.17737	9.82	34.99	16.95	44.81	26.77	64.61	54.61	-19.80	-27.84	
3	0.20474	9.80	32.44	16.87	42.24	26.67	63.42	53.42	-21.17	-26.74	
4	0.44716	9.85	26.60	10.15	36.45	20.00	56.93	46.93	-20.47	-26.92	
5	0.81079	9.89	28.98	21.23	38.87	31.12	56.00	46.00	-17.13	-14.88	
+6	1.26197	9.90	28.71				56.00		-17.39	-11.66	

- 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

Adaptor 1: KA06E-0501000US



Adaptor 2: TPA-46B050100UU





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

EDECLIENCY (MU-)	Class A	(at 10m)	Class B	(at 3m)
FREQUENCY (MHz)	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

EDECLIENCY (MU-)	Class A (dB _k	uV/m) (at 3m)	Class B (dBµV/m) (at 3m)			
FREQUENCY (MHz)	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 (dBuV/m) = 20 log Emission level (uV/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.

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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

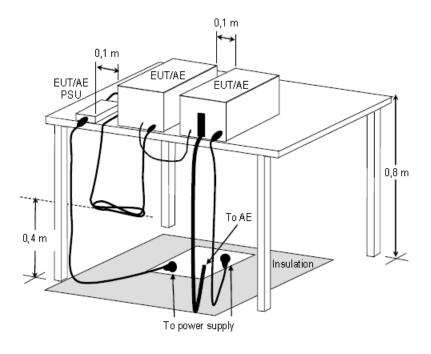


Figure D.8 – Example measurement arrangement for table-top EUT (Radiated emission measurement)

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5.4 Measurement Equipment

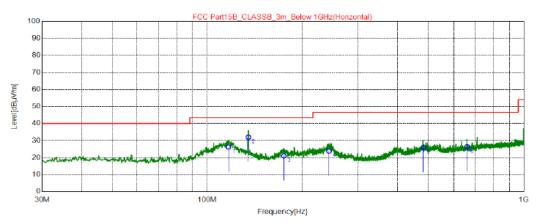
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
EMI Test Spectrum ROHDE & SCHWARZ	ESR7	E1R1005	May.11, 2021
Spectrum Analyzer Keysight	N9030B	E1S1003	Aug.03, 2021
Broad-Band Antenna Schwarzbeck	VULB9168	E1A1012	Jul.27, 2021
Double Riaged Vroadband Horn Antenna Schwarzbeck	BBHA9120D	E1A1017	Jan.25, 2021
Preamplifier Agilent	8447D	E1A2001	Apr.19, 2021
Preamplifier Agilent	EMC051845SE	E1A2009	Jul.05, 2021



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

For adaptor 1: KA06E-0501000US

Position: Horizontal



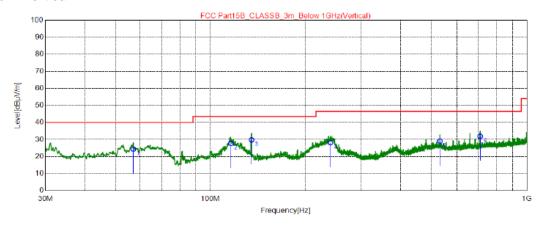
QP Detector

NO.	Freq.	QP Reading	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	116.7	38.01	-11.84	26.17	43.50	17.33	200	77	Horizontal
2	134.9	42.4	-10.46	31.94	43.50	11.56	200	132	Horizontal
3	174.7	31.37	-10.37	21.00	43.50	22.50	200	62	Horizontal
4	242.8	34.51	-10.68	23.83	46.50	22.67	200	228	Horizontal
5	483.1	31.57	-5.68	25.89	46.50	20.61	200	165	Horizontal
6	661.0	29.71	-3.25	26.46	46.50	20.04	200	272	Horizontal

- 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



QP Detector

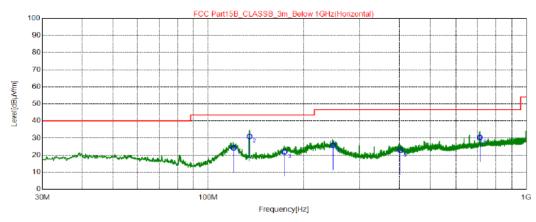
NO.	Freq.	QP Reading	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polaricy
1	56.96	34.66	-10.30	24.36	40.00	15.64	100	346	Vertical
2	116.1	39.57	-11.86	27.71	43.50	15.79	100	331	Vertical
3	134.9	40.26	-10.46	29.80	43.50	13.70	100	190	Vertical
4	239.9	38.95	-10.78	28.17	46.50	18.33	100	94	Vertical
5	533.2	34.38	-5.27	29.11	46.50	17.39	100	313	Vertical
6	711.3	34.25	-2.35	31.90	46.50	14.60	100	20	Vertical

- 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.



For adaptor 2: TPA-46B050100UU

Position: Horizontal



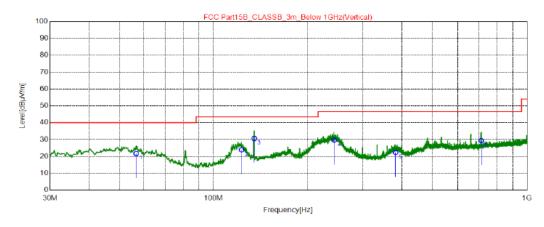
QP Detector

NO.	Freq.	QP Reading	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Polarity
	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	
1	120.2	35.97	-11.70	24.27	43.50	19.23	200	276	Horizontal
2	134.9	41.42	-10.46	30.96	43.50	12.54	200	129	Horizontal
3	173.9	32.09	-10.21	21.88	43.50	21.62	200	253	Horizontal
4	247.0	36.18	-10.53	25.65	46.50	20.85	200	151	Horizontal
5	402.6	30.65	-7.79	22.86	46.50	23.64	200	234	Horizontal
6	713.8	32.6	-2.27	30.33	46.50	16.17	200	76	Horizontal

- 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



QP Detector

NO.	Freq.	QP Reading [dBµV/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.57	32	-10.26	21.74	40.00	18.26	100	31	Vertical
2	122.9	35.36	-11.43	23.93	43.50	19.57	100	307	Vertical
3	134.9	41.08	-10.46	30.62	43.50	12.88	100	221	Vertical
4	243.0	40.31	-10.67	29.64	46.50	16.86	100	76	Vertical
5	381.7	30.14	-7.82	22.32	46.50	24.18	100	20	Vertical
6	713.6	31.69	-2.27	29.42	46.50	17.08	100	341	Vertical

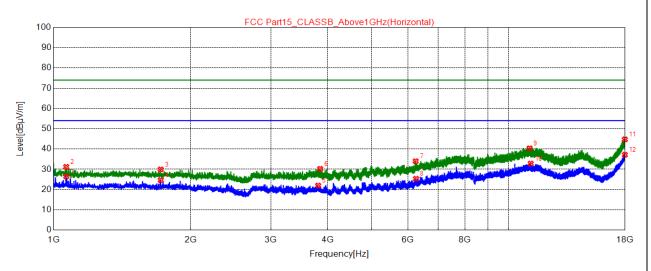
- 1. Q.P. is abbreviation of quasi-peak individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. QP Margin value = QP Limit value QP value
- 4. Factor = Antenna Factor + Amplifier Factor + Cable loss
- 5. QP value = Factor + Reading Value.



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

For adaptor 1: KA06E-0501000US

Position: Horizontal

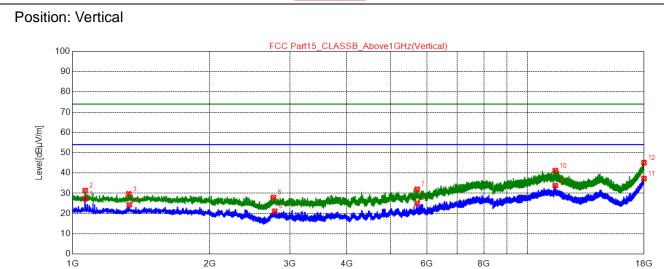


★ AV Detector

	D	Reading	Facto	Level	Limit	Margi	Heigh	Angl	
NO.	Freq.	[dB μ	r	[dB μ	[dB μ	n	t	е	Polarity
	[MHz]	V/m]	[dB]	V/m]	V/m]	[dB]	[cm]	[°]	
1	1066.	45.78	-19.2	26.51	54.00	27.49	100	109	Horizontal
2	1066.	50.46	-19.2	31.19	74.00	42.81	100	109	Horizontal
3	1719.	47.32	-17.3	29.93	74.00	44.07	100	185	Horizontal
4	1719.	42.03	-17.3	24.64	54.00	29.36	100	185	Horizontal
5	3811.	33.94	-11.9	21.95	54.00	32.05	100	301	Horizontal
6	3850.	42.13	-11.9	30.23	74.00	43.77	100	70	Horizontal
7	6241.	41.49	-7.50	33.99	74.00	40.01	100	262	Horizontal
8	6252.	32.78	-7.46	25.32	54.00	28.68	100	147	Horizontal
9	11102	38.80	1.54	40.34	74.00	33.66	100	340	Horizontal
10	11168	31.19	1.62	32.81	54.00	21.19	100	340	Horizontal
11	17972	33.03	11.72	44.75	74.00	29.25	100	70	Horizontal
12	17974	25.42	11.73	37.15	54.00	16.85	100	340	Horizontal

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





Frequency[Hz]

★ AV Detector

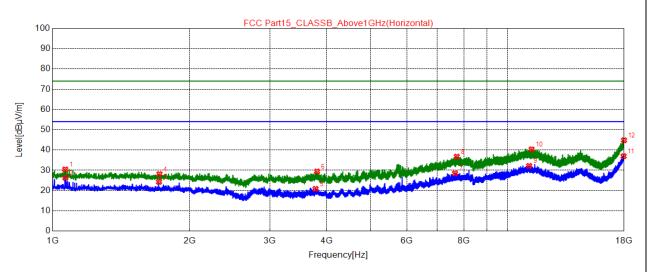
	Freq	Reading	Facto	Level	Limit	Margi	Heigh	Angl	
NO.	· CMII —	[dB µ	r	[dB µ	[dB µ	n	t	е	Polarity
	[MHz	V/m]	[dB]	V/m]	V/m]	[dB]	[cm]	[°]	
1	1066	46.61	-19.2	27.34	54.00	26.66	100	212	Vertical
2	1066	50.63	-19.2	31.36	74.00	42.64	100	212	Vertical
3	1329	48.18	-18.4	29.74	74.00	44.26	100	173	Vertical
4	1333	42.75	-18.4	24.32	54.00	29.68	100	288	Vertical
5	2763	42.97	-15.0	27.95	74.00	46.05	100	327	Vertical
6	2779	36.12	-14.9	21.15	54.00	32.85	100	288	Vertical
7	5712	40.42	-8.45	31.97	74.00	42.03	100	327	Vertical
8	5712	33.52	-8.45	25.07	54.00	28.93	100	327	Vertical
9	1148	32.12	1.69	33.81	54.00	20.19	100	135	Vertical
10	1148	39.54	1.69	41.23	74.00	32.77	100	135	Vertical
11	1798	25.46	11.82	37.28	54.00	16.72	100	288	Vertical
12	1798	33.28	11.85	45.13	74.00	28.87	100	288	Vertical

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



For adaptor 2: TPA-46B050100UU

Position: Horizontal

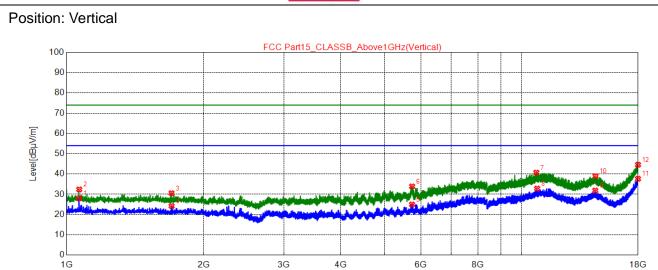


★ AV Detector

	Freq	Reading	Facto	Level	Limit	Margi	Heigh	Angl	
NO.	MHz	[dB μ	r	$[dB \mu]$	[dB μ	n	t	е	Polarity
]	V/m]	[dB]	V/m]	V/m]	[dB]	[cm]	[°]	
1	1066	49.70	-19.2	30.43	74.00	43.57	100	135	Horizontal
2	1067	45.56	-19.2	26.29	54.00	27.71	100	97	Horizontal
3	1713	41.71	-17.4	24.30	54.00	29.70	100	59	Horizontal
4	1717	45.53	-17.4	28.13	74.00	45.87	100	212	Horizontal
5	3781	32.91	-12.0	20.85	54.00	33.15	100	212	Horizontal
6	3810	41.42	-12.0	29.42	74.00	44.58	100	327	Horizontal
7	7653	32.03	-3.55	28.48	54.00	25.52	100	250	Horizontal
8	7721	40.19	-3.42	36.77	74.00	37.23	100	135	Horizontal
9	1113	30.57	1.58	32.15	54.00	21.85	100	212	Horizontal
10	1127	38.67	1.67	40.34	74.00	33.66	100	212	Horizontal
11	1795	25.42	11.53	36.95	54.00	17.05	100	250	Horizontal
12	1798	32.98	11.83	44.81	74.00	29.19	100	174	Horizontal

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





Frequency[Hz]

6G

18G

★ AV Detector

	Freq	Reading	Facto	Level	Limit	Margi	Heigh	Angl	
NO.		[dB μ	r	[dB µ	[dB μ	n	t	е	Polarity
	[MHz	V/m]	[dB]	V/m]	V/m]	[dB]	[cm]	[°]	
1	1066	47.30	-19.2	28.03	54.00	25.97	100	224	Vertical
2	1066	51.67	-19.2	32.40	74.00	41.60	100	186	Vertical
3	1700	47.97	-17.4	30.54	74.00	43.46	100	109	Vertical
4	1701	41.65	-17.4	24.22	54.00	29.78	100	147	Vertical
5	5737	33.37	-8.41	24.96	54.00	29.04	100	109	Vertical
6	5741	42.29	-8.41	33.88	74.00	40.12	100	109	Vertical
7	1075	39.91	0.80	40.71	74.00	33.29	100	109	Vertical
8	1080	31.94	0.90	32.84	54.00	21.16	100	224	Vertical
9	1449	28.06	3.81	31.87	54.00	22.13	100	340	Vertical
10	1451	35.17	3.79	38.96	74.00	35.04	100	224	Vertical
11	1798	25.82	11.83	37.65	54.00	16.35	100	71	Vertical
12	1798	32.75	11.85	44.60	74.00	29.40	100	301	Vertical

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



5.7 Test Photographs (30MHz ~ 1000MHz)

Adaptor 1: KA06E-0501000US



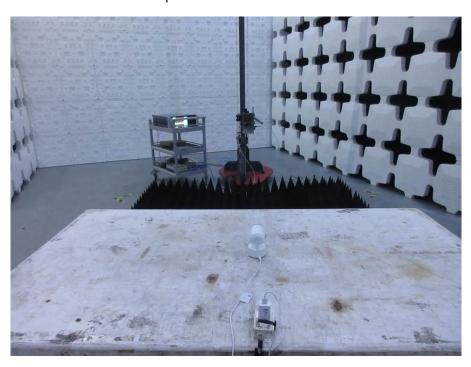
Adaptor 2: TPA-46B050100UU



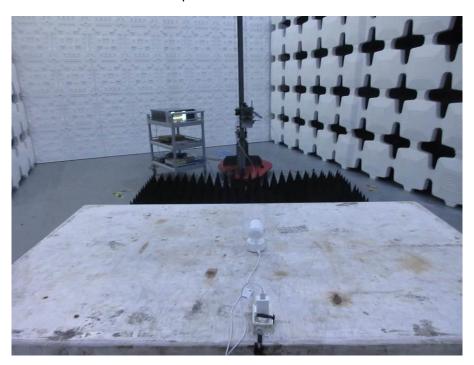


5.8 Test Photographs (1000MHz ~ 18000MHz)

Adaptor 1: KA06E-0501000US



Adaptor 2: TPA-46B050100UU





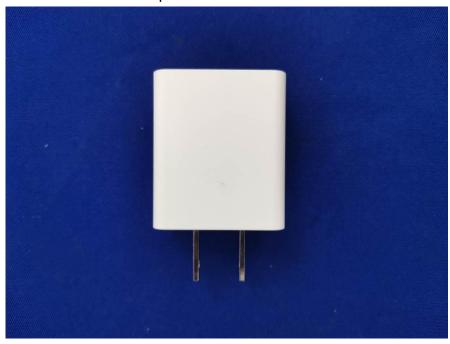
Photographs of EUT







Adaptor: KA06E-0501000US







Adaptor: TPA-46B050100UU





--- END ---