

TEST REPORT

Application No.: SUCR2607000690TL
FCC ID: 2AH25T6F10NA
Applicant: Shanghai Sunmi Technology Co., Ltd.
Address of Applicant: Room 505, No. 388, Song Hu Road, Yang Pu District, Shanghai, China
Manufacturer: Shanghai Sunmi Technology Co., Ltd.
Address of Manufacturer: Room 505, No. 388, Song Hu Road, Yang Pu District, Shanghai, China
Equipment Under Test (EUT):
EUT Name: Smart POS System
Model No.: T6F1D
Trade Mark: SUNMI
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2026-07-21
Date of Test: 2026-07-24 to 2026-07-26
Date of Issue: 2026-08-06

Test Result:**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-08-06	/

Authorized for issue by:			
Prepared By			
		Hayley_Zhang/Project Engineer	
Approved By			
		Cedar Cheng /Reviewer	



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2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4-2014	15.107(a); Class B	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.4-2014	15.109(a); Class B	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.4-2014	15.109(g); Class B	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	Adapter(TPA-418G050200UU01): INPUT: AC100-240V 50/60Hz 0.3A; OUTPUT: DC5V2A
Test Voltage:	Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Computer	Lenovo	T14	2YK6GR
Earphones	oppo	oppo Earphones	N/A
Mouse	Lenovo	3D optical Mouse	N/A
Router	Smauwave Technology Co.,Ltd	SRT 421	RT421X02211300001

4.3 Test modes

Pretest these modes to find the worst case and show the worse data in the test items:	01 EUT + Adapter + Camera(front) + BT + WLAN5G + GNSS + WCDMA B5 02 EUT + Adapter + Camera(rear) + BT + WLAN5G + GNSS + LTE B5 03 EUT + Adapter + MP4 + BT + WLAN2.4G + GNSS + LTE B12 04 EUT + Adapter + SCAN + BT + WLAN5G + GNSS + LTE B13 05 EUT + Adapter + Print + BT + WLAN5G + GNSS + LTE B14 06 EUT+ Adapter + NFC 07 EUT+ Data Transmission + BT + WLAN5G + LTE B17
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4.4 Measurement Uncertainty & Decision Rule

Test Item	Measurement Uncertainty (U_{LAB})	U_{CISPR}
Conducted Emissions (150kHz-30MHz)	2.9dB	3.8dB
Radiated Emissions (30MHz-1GHz)	4.8dB	6.3dB
Radiated Emissions (Above 1GHz)	4.8dB (1GHz- 6GHz)	5.2dB (1GHz-6GHz)
	4.8dB (6GHz- 18GHz)	5.5dB (6GHz-18GHz)

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Decision Rule:

- CISPR 16-4-2 for emission measurements is as below described.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

U_{LAB} less than U_{CISPR} , therefore:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit.
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
- For immunity testing no decision rule is applicable.

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)
Pilot Free Trade Zone

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

3. Sample source: sent by customer.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Test Firm Registration Number:717327

- **ISED (CAB Identifier: CN0120)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2026/1/14	2027/1/13
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2026/2/11	2027/2/10
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2026/4/22	2027/4/21
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2026/4/22	2027/4/21
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2026/6/9	2029/6/8
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2026/2/11	2027/2/10
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2026/1/14	2027/1/13
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2025/11/29	2027/11/28
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2026/1/14	2027/1/13
Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2026/6/9	2029/6/8
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2026/2/11	2027/2/10
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2026/1/14	2027/1/13
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2025/5/7	2027/5/6
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2025/5/7	2027/5/6
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2026/1/14	2027/1/13
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2026/1/14	2027/1/13
Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR

6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Limit:

0.15MHz-0.5MHz: 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average

0.5MHz-5MHz: 56dB(μV) quasi-peak, 46dB(μV) average

5MHz-30MHz: 60dB(μV) quasi-peak, 50dB(μV) average

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

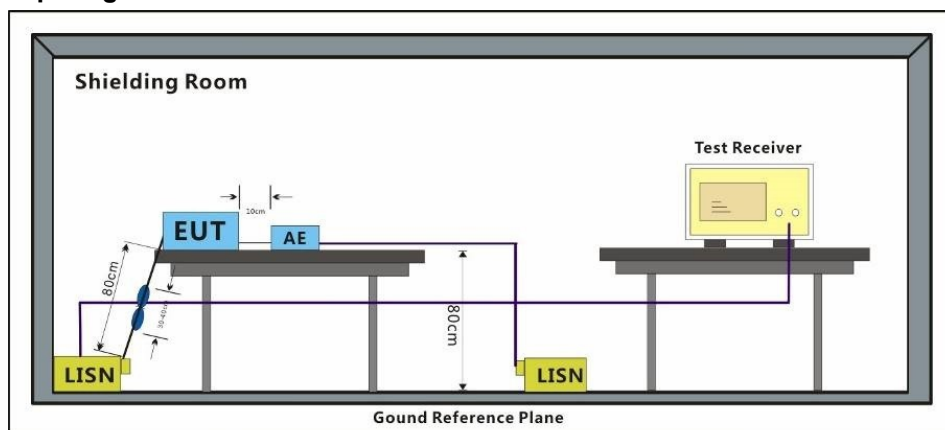
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	EUT + Adapter + Camera(rear) + BT + WLAN5G + GNSS + LTE B5

6.1.3 Test Setup Diagram

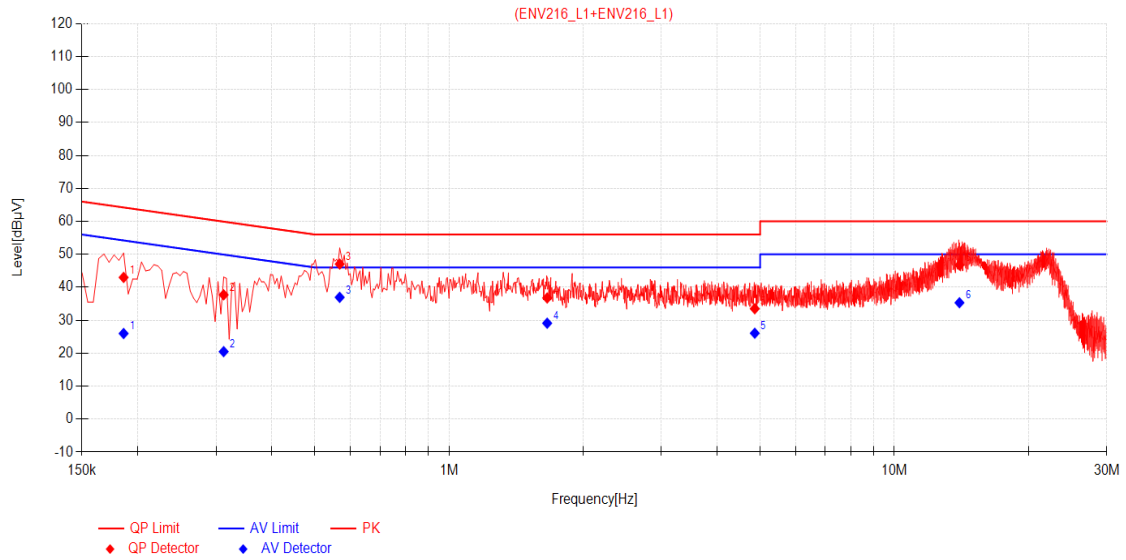


6.1.4 Measurement Procedure and Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

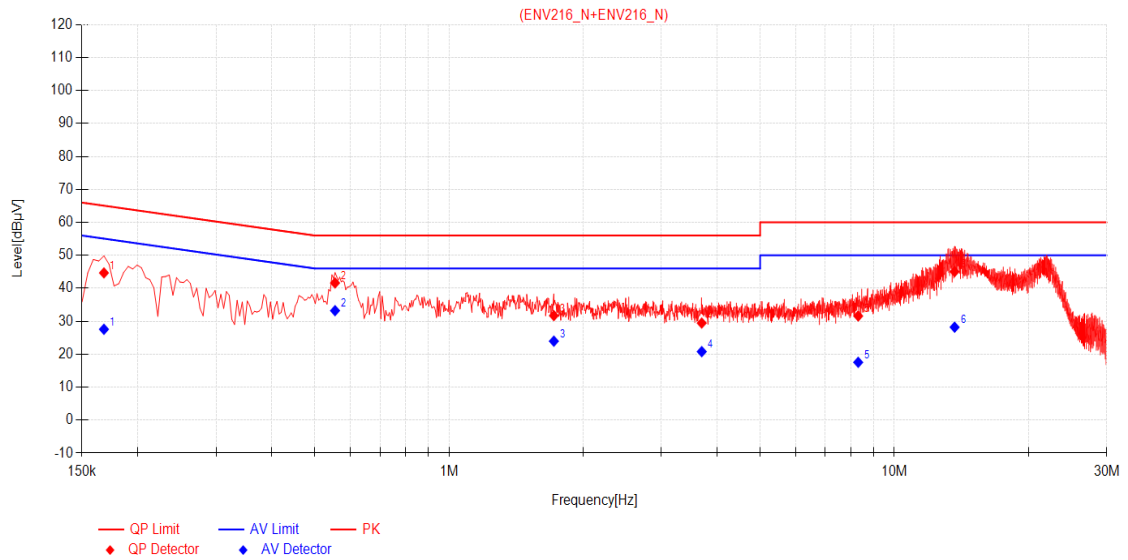
Remark : Level= Read Level+ Cable Loss+ LISN Factor

Test Mode: 02; Line: Live line



Final Data List											
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1860	9.79	33.20	42.99	64.21	21.22	16.19	25.98	54.21	28.23	PASS
2	0.3120	9.71	28.00	37.71	59.92	22.21	10.77	20.48	49.92	29.44	PASS
3	0.5685	9.72	37.32	47.04	56.00	8.96	27.23	36.95	46.00	9.05	PASS
4	1.6620	9.74	27.02	36.76	56.00	19.24	19.36	29.10	46.00	16.90	PASS
5	4.8615	9.69	23.81	33.50	56.00	22.50	16.38	26.07	46.00	19.93	PASS
6	14.0100	9.84	36.89	46.73	60.00	13.27	25.47	35.31	50.00	14.69	PASS

Test Mode: 02; Line: Neutral Line



Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1680	9.77	34.89	44.66	65.06	20.40	17.79	27.56	55.06	27.50	PASS
2	0.5550	9.73	31.88	41.61	56.00	14.39	23.49	33.22	46.00	12.78	PASS
3	1.7205	9.72	21.99	31.71	56.00	24.29	14.23	23.95	46.00	22.05	PASS
4	3.6960	9.68	19.78	29.46	56.00	26.54	11.11	20.79	46.00	25.21	PASS
5	8.2995	9.65	21.94	31.59	60.00	28.41	7.89	17.54	50.00	32.46	PASS
6	13.6635	9.82	35.24	45.06	60.00	14.94	18.37	28.19	50.00	21.81	PASS

6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Measurement Distance: 3m

Limit:

Class B

Test Distance: 3m

30MHz -88MHz 40.0(dBμV/m) quasi-peak

88MHz-216MHz 43.5(dBμV/m) quasi-peak

216MHz-960MHz 46.0(dBμV/m) quasi-peak

960MHz-1000MHz 54.0(dBμV/m) quasi-peak

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

Class B

Test Distance: 10m

30MHz -88MHz 29.5(dBμV/m) quasi-peak

88MHz-216MHz 33.1(dBμV/m) quasi-peak

216MHz-960MHz 35.6(dBμV/m) quasi-peak

960MHz-1000MHz 43.5(dBμV/m) quasi-peak

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

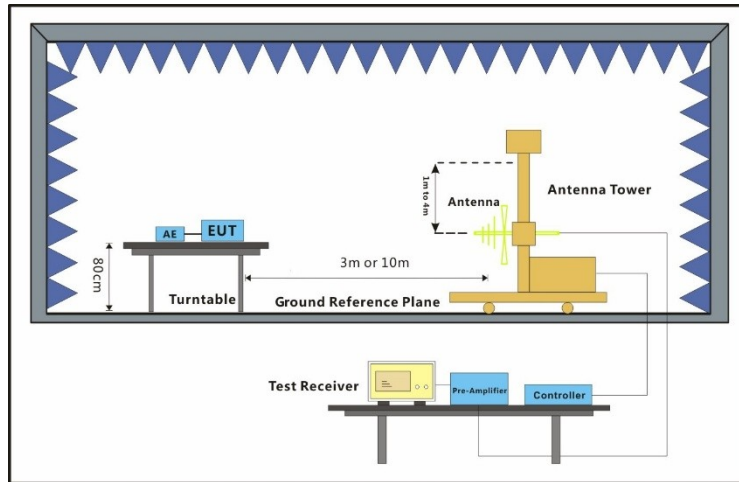
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	EUT + Adapter + Camera(rear) + BT + WLAN5G + GNSS + LTE B5

6.2.3 Test Setup Diagram

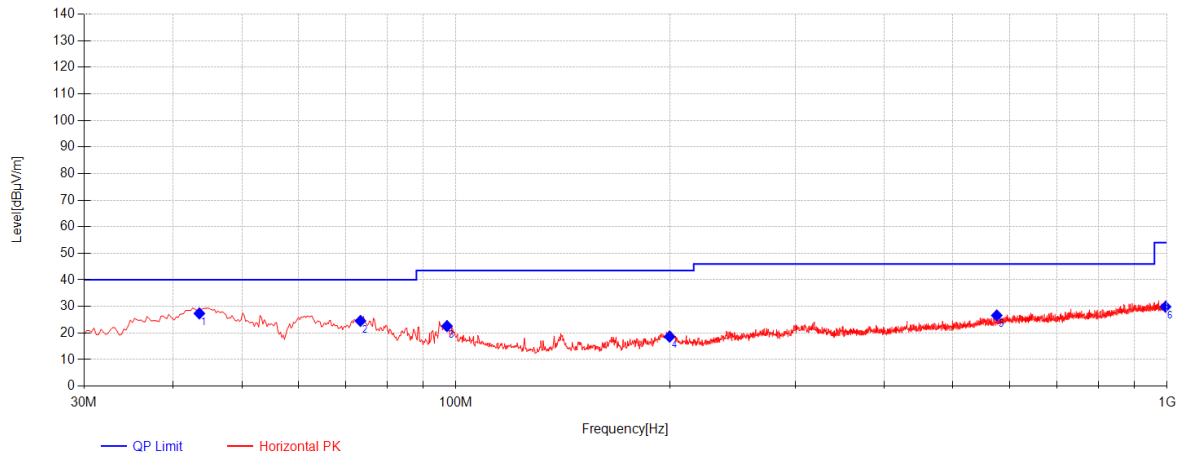


6.2.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

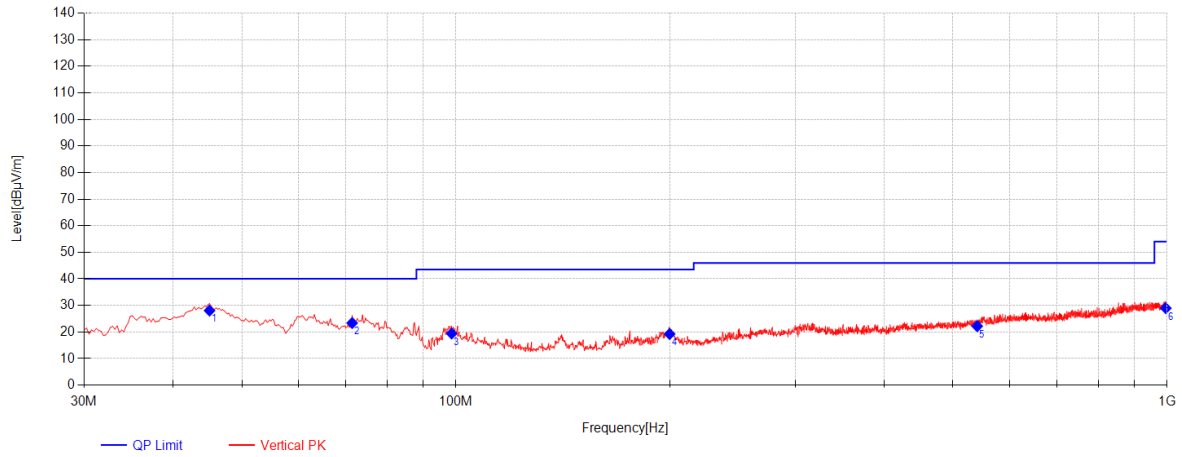
Remark: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamplifier Factor}$

Test Mode: 02; Polarity: Horizontal



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	43.58	48.99	19.46	-41.11	27.34	40.00	12.66	Horizontal
2	73.4075	49.61	15.66	-40.73	24.54	40.00	15.46	Horizontal
3	97.1725	46.55	16.45	-40.41	22.59	43.50	20.91	Horizontal
4	199.75	37.06	20.83	-39.27	18.62	43.50	24.88	Horizontal
5	576.11	39.48	23.57	-36.44	26.61	46.00	19.39	Horizontal
6	994.9075	35.52	28.09	-33.74	29.87	54.00	24.13	Horizontal

Test Mode: 02; Polarity: Vertical



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	45.035	48.94	20.21	-41.08	28.07	40.00	11.93	Vertical
2	71.4675	48.01	16.15	-40.77	23.39	40.00	16.61	Vertical
3	98.6275	42.89	16.95	-40.40	19.44	43.50	24.06	Vertical
4	199.75	37.69	20.83	-39.27	19.25	43.50	24.25	Vertical
5	540.705	35.66	23.16	-36.62	22.20	46.00	23.80	Vertical
6	995.8775	34.59	28.10	-33.73	28.96	54.00	25.04	Vertical

6.3 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Limit:

Class B

Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average

Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 18000MHz

6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

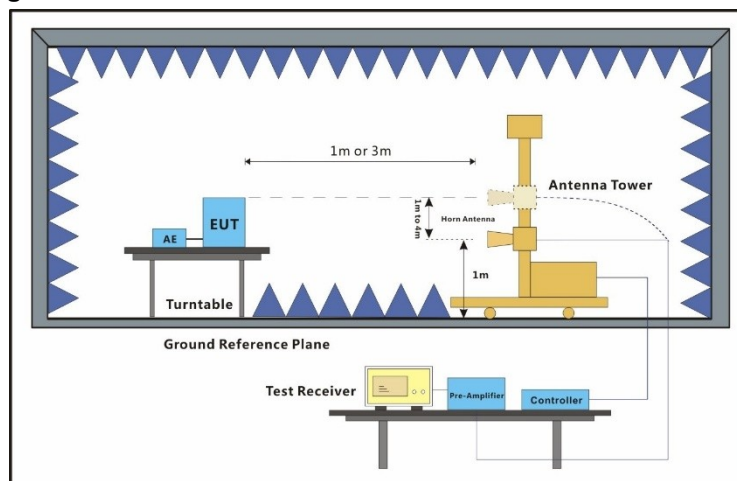
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	EUT + Adapter + Camera(rear) + BT + WLAN5G + GNSS + LTE B5

6.3.3 Test Setup Diagram



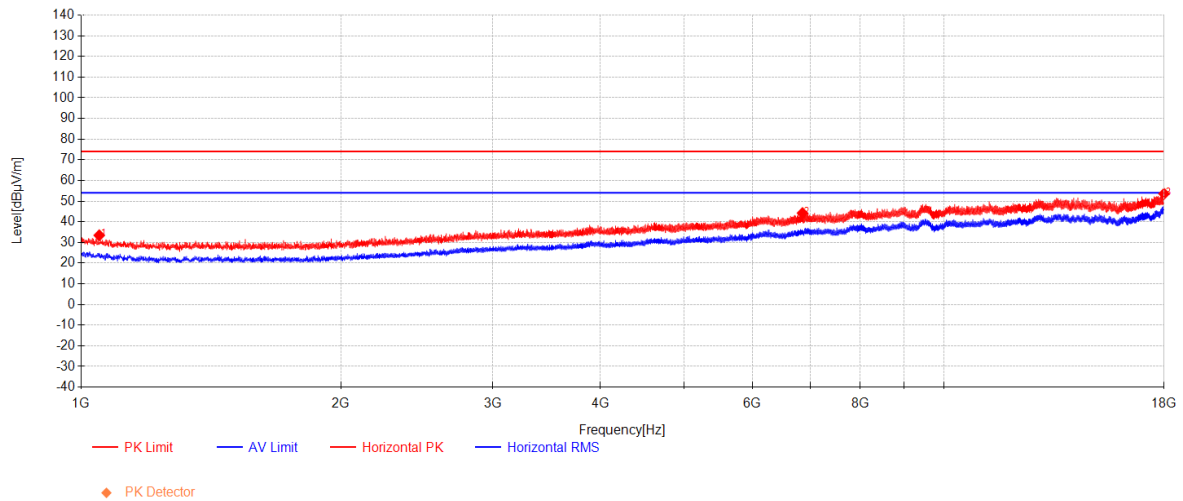
6.3.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

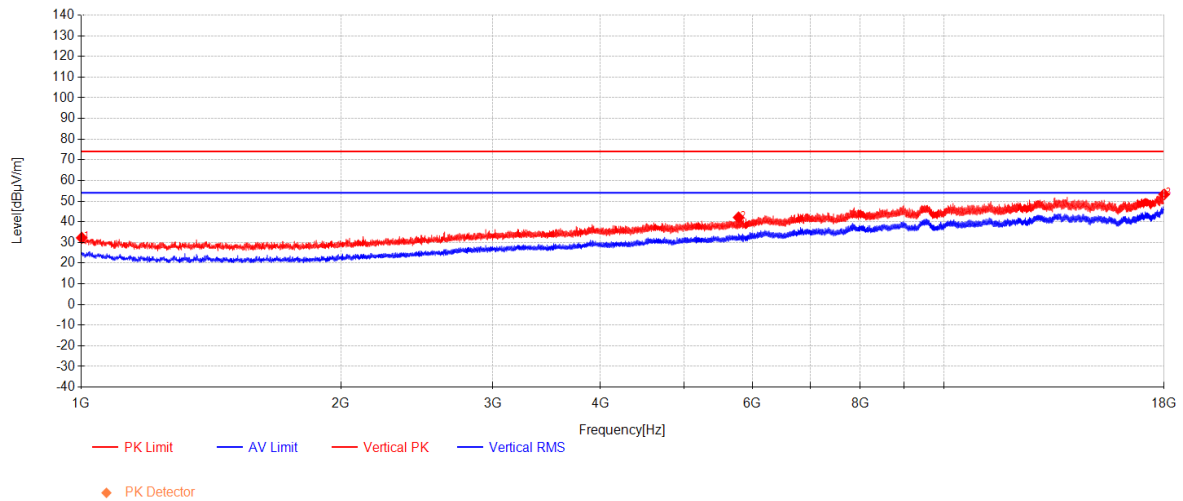
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Test Mode: 06; Polarity: Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	1049.725	56.24	25.63	-48.43	33.44	74.00	40.56	Horizontal
2	6857.775	51.14	36.07	-43.02	44.20	74.00	29.80	Horizontal
3	18000	41.68	41.70	-29.82	53.56	74.00	20.44	Horizontal

Test Mode: 06; Polarity: Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	1001.7	54.45	25.70	-47.90	32.25	74.00	41.75	Vertical
2	5782.525	52.02	33.85	-43.78	42.09	74.00	31.91	Vertical
3	18000	41.39	41.70	-29.82	53.27	74.00	20.73	Vertical



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7 Test Setup Photo

Refer to Appendix A.4_Photos of Test Setup for SUCR2607000690TL

8 EUT Constructional Details (EUT Photos)

Refer to Appendix A.1_External Photos for SUCR2607000690TL and Appendix A.2_Internal Photos for SUCR2607000690TL

- End of the Report -