

EMC Test Report

Product Name : Mobile Phone

Model No. : 25128PC17L

Applicant : Xiaomi Communications Co., Ltd.

Address : #019, 9th Floor, Building 6, 33 Xi'erqi Middle
Road, Haidian District, Beijing, China,
100085

Date of Receipt : October 30, 2025

Test Date : November 05, 2025 ~ November 10, 2025

Issued Date : December 04, 2025

Report No. : 25A0670R.602

Report Template No. : TRF_FCC Part 15 Subpart 15B_EMC_V1.4

The test results presented in this report relate only to the object tested.

This report is not used for social proof in China (or Mainland China) market.

The measurement result is considered in conformance with the requirement if it is within the prescribed limit, it is not necessary to calculate the uncertainty associated with the measurement result.

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Issued Date : December 04, 2025
Report No. : 25A0670R.602

Product Name : Mobile Phone
Applicant : Xiaomi Communications Co., Ltd.
Address : #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian
District, Beijing, China, 100085
Manufacturer : Xiaomi Communications Co., Ltd.
Address : #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian
District, Beijing, China, 100085
Model No. : 25128PC17L
Brand Name : POCO
EUT Voltage : 100-240 Vac, 50/60 Hz
Test Voltage : 120 Vac, 60 Hz
Applicable Standard : FCC CFR Title 47 Part 15 Subpart B: 2023
ANSI C63.4: 2014
Test Result : Complied
Test Location : DEKRA Testing and Certification (Suzhou) Co., Ltd.
No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006,
Jiangsu, China
FCC Designation :
Number : CN1199

Tested By

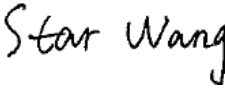
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(Sue Cai/Project Engineer)

Approved By

:



(Star Wang/Manager)

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Document History

Report Number	Date	Description
25A0670R.602	December 04, 2025	First release

1. General Information

1.1. EUT Description

Product Name:	Mobile Phone
Model Name:	25128PC17L
Trademark.:	POCO
Highest Internal Frequency (Fx)	5.8 GHz
FCC ID:	2AFZZ8PC17L
Power Supply	3.86 Vdc, EUT is equipped with an adapter to power it via AC/DC.
Hardware Version	135100502
Software Version	Xiaomi HyperOS 3.0
Manufacturer	Xiaomi Communications Co., Ltd.
Manufacturer Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Wireless specification	GSM
Support Band(s)	GSM 850, GSM 1900
Uplink Frequency	GSM 850: 824.2-848.8 MHz GSM1900: 1850.2-1909.8 MHz
Downlink Frequency	GSM 850: 869.2-893.8 MHz GSM1900: 1930.2-1989.8 MHz
Wireless specification	WCDMA
Support Band(s)	Band 2, Band 4, Band 5
Uplink Frequency	Band 2: 1850-1910 MHz Band 4: 1710-1755 MHz Band 5: 824-849 MHz
Downlink Frequency	Band 2: 1930-1990 MHz Band 4: 2110-2155 MHz Band 5: 869-894 MHz
Type of Modulation	Downlink modulation: QPSK & 16QAM & 64QAM Uplink modulation: QPSK & 16QAM
Wireless specification	LTE

Support Band(s)	Band2/4/5/7/13/26/38/41/66
Uplink Frequency	Band 2: 1850-1910 MHz Band 4: 1710-1755 MHz Band 5: 824-849 MHz Band 7: 2500-2570 MHz Band 13: 777-787 MHz Band 26: 814-824MHz, 824-849 MHz Band 38: 2570-2620 MHz Band 41: 2496-2690 MHz Band 66: 1710-1780 MHz
Downlink Frequency	Band 2: 1930-1990 MHz Band 4: 2110-2155 MHz Band 5: 869-894 MHz Band 7: 2620-2690 MHz Band 13: 746-756 MHz Band 26: 859-869 MHz, 869-894 MHz Band 38: 2570-2620 MHz Band 41: 2496-2690 MHz Band 66: 2110-2200 MHz
Type of Modulation	Downlink modulation: QPSK & 16QAM & 64QAM Uplink modulation: QPSK & 16QAM & 64QAM
Wireless specification	802.11b / g / n
Operating frequency	2412~2462MHz
Type of Modulation	DSSS / OFDM
Smart System	☒ SISO
Wireless specification	802.11a / n / ac
Frequency Range	U-NII-1: 5150 MHz to 5250 MHz
	U-NII-2A: 5250 MHz to 5350 MHz
	U-NII-2C: 5470 MHz to 5725 MHz
	U-NII-3: 5725 MHz to 5850 MHz
Channel Bandwidth	802.11a 20 MHz 802.11n 20 MHz, 40 MHz 802.11ac 20 MHz, 40 MHz, 80 MHz

Modulation technology	OFDM					
Smart System	☒	SISO				
Wireless specification	Bluetooth (BR/EDR)					
Operating frequency range(s)	2402~2480MHz					
Type of Modulation	GFSK & DPSK					
PHYs	☒	GFSK	☒	Pi/4 DQPSK	☒	8DPSK
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☒	3Mbit/s
Number of channels	79					
Wireless specification	Bluetooth (LE)					
Operating frequency range(s)	2402~2480MHz					
Type of Modulation	GFSK & DPSK					
PHYs	☒	LE 1M	☒	LE 2M		
Data Rate	☒	1Mbit/s	☒	2Mbit/s		
Number of channels	40					
Remark: As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.						

Note 1: The EUT information is from customer declaration.

Note 2: The report is based on DEKRA No. 25A0670R.601, update model and trademark. The difference between each model is only the screen printing difference. The test is based on original report (DEKRA Report No: 25A0670R.601). After technical evaluation, no testing is required.

Key Part List	
Item	Description
EUT 1(4 + 64 /LCD1 + Battery 1)	For detailed information, please refer to the attached external photo.
EUT 2(4 + 256 /LCD2 + Battery 2)	
EUT 3(4 + 128 /LCD3 + Battery 3)	
EUT 4(4 + 64 /LCD4 + Battery 1)	
Adapter 1	
Adapter 2	
USB Cable1	
USB Cable2	
USB Cable3	
USB Cable4	

1.2. Mode of Operation

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre Mode
Mode 1: GSM850 Idle+EUT1+adapter1+usb Cable1+BT+2.4GWLAN+Camera(Rear)
Mode 2: WCDMA Band V Idle+EUT1+adapter1+usb Cable1+BT+5GWLAN+Camera(Front)
Mode 3: LTE Band 5 Idle+EUT1+adapter1+usb Cable1+BT+5GWLAN+MP4
Mode 4: LTE Band 13 Idle+EUT1+adapter1+usb Cable1+BT+2.4G WLAN+GNSS
Mode 5: LTE Band 26 Idle+EUT1+adapter1+usb Cable1+BT+5G WLAN+GNSS
Mode 6: GSM850 Idle+EUT2+adapter1+usb Cable1+BT+2.4GWLAN+Camera(Rear)(1~5 worse mode)
Mode 7: GSM850 Idle+EUT3+adapter1+usb Cable1+BT+2.4GWLAN+Camera(Rear) (1~5 worse mode)
Mode 8: GSM850 Idle+EUT4+adapter1+usb Cable1+BT+2.4GWLAN+Camera(Rear) (1~5 worse mode)
Mode 9: GSM850 Idle+EUT1+adapter2+usb Cable1+BT+2.4GWLAN+Camera(Rear) (1~5 worse mode)
Mode 10: GSM850 Idle+EUT1+Transfer data between the EUT and the PC+USB cable 1
Mode 11: GSM850 Idle+EUT1+Transfer data between the EUT and the PC+USB cable 2
Mode 12: GSM850 Idle+EUT1+Transfer data between the EUT and the PC+USB cable 3
Mode 13: GSM850 Idle+EUT1+Transfer data between the EUT and the PC+USB cable 4
Mode 14: GSM850 Idle+EUT2+Transfer data between the EUT and the PC+USB cable 1 (8~12 worse mode)
Mode 15: GSM850 Idle+EUT3+Transfer data between the EUT and the PC+USB cable 1 (8~12 worse mode)
Mode 16: GSM850 Idle+EUT4+Transfer data between the EUT and the PC+USB cable 1 (8~12 worse mode)
Final Mode
Mode 1

1.3. Tested System Details

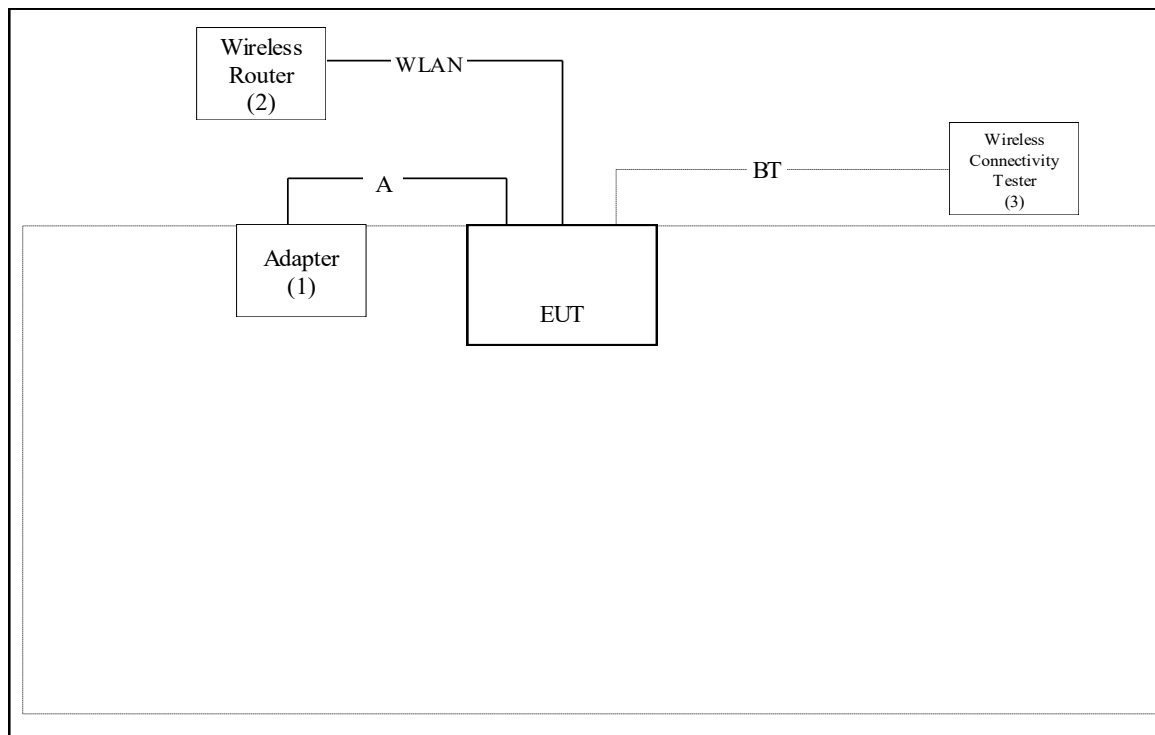
The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Mode 1:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Adapter	FLYPOWER	PS20C120K1670UC	N/A	Non-Shielded, 1.0 m
2	Wireless Connectivity Tester	R&S	CMW 270	102593	Non-Shielded, 1.8 m
3	Wireless Router	ASUS	GT-AXE110000	N/A	Powered by Adapter

1.4. Configuration of Tested System

Connection Diagram



Signal Cable Type		Signal Cable Description
A	USB Cable	Non-Shielded, 1.0 m

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipments.
3	The EUT works properly.
4	Start testing.

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
☐ Deviations from the test standards as below description:

Emission			
Performed Test Item	Normative References	Test Performed	Deviation
Conducted disturbance	FCC CFR Title 47 Part 15 Subpart B: 2023 ANSI C63.4: 2014	Yes	No
Radiated disturbance	FCC CFR Title 47 Part 15 Subpart B: 2023 ANSI C63.4: 2014	Yes	No

2.2. List of Test Equipment

Radio Signal Source						
Instrument	Manufacturer	Model No.	Serial No.	Cali. Date	Cali. Due Date	Used In
Radio Communication Tester	R&S	CMU 200	117088	2025.05.10	2026.05.09	☐
Wireless Connectivity Tester	R&S	CMW 270	102593	2025.05.10	2026.05.09	☐
Radio Communication Tester	R&S	CMW 500	170870	2025.05.10	2026.05.09	☒
Radio Communication Tester	R&S	CMW 500	158243	2025.05.10	2026.05.09	☐
UXM 5G Wireless Test Platform	Keysight	E7515B	MY58120445	2025.04.03	2026.04.02	☐
Radio Communication Analyzer	Anritsu	MT8821C	6261849019	2025.07.25	2026.07.24	☐

Conducted Emission / TR1						
Instrument	Manufacturer	Model No.	Serial No.	Cali. Date	Cali. Due Date	Used In
EMI Test Receiver	R&S	ESR7	102086	2025.01.11	2026.01.10	☒
Two-Line V-Network	R&S	ENV216	101190	2025.01.18	2026.01.17	☒
Two-Line V-Network	R&S	ENV216	102281	2025.03.23	2026.03.22	☐
Two-Line V-Network	R&S	ENV216	101044	2025.09.20	2026.09.19	☒
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2025.03.16	2026.03.15	☒
50ohm Termination	Lair Microwave	N-JR-10W11	N/A	2025.08.29	2026.08.28	☒
Coaxial Cable	Huber+Suhner	RG 223	TR1-C1	2025.03.16	2026.03.15	☒
Temperature/Humidity Meter	RTS	RTS-1909	THM-012	2025.04.30	2026.04.29	☒
Software	Quietek	EMI_V3	V3.0.0	N/A	N/A	☒
Shielding room	Quietek	4.9m*4m*3m	TR1	2023.03.04	2028.03.03	☒

Radiated Emission / AC3

Instrument	Manufacturer	Model No.	Serial No.	Cali. Date	Cali. Due Date	Used In
EMI Test Receiver	R&S	ESR7	102086	2025.01.11	2026.01.10	☒
Bilog Antenna	Teseq GmbH	CBL6112B	2931	2025.05.28	2026.05.27	☐
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2025.03.24	2026.03.23	☒
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC3-C	2025.03.16	2026.03.15	☒
Temperature/Humidity Meter	RTS	RTS-1909	THM-022	2025.04.30	2026.04.29	☒
Software	Quietek	EMI_V3	V3.0.0	N/A	N/A	☒
EMI Test Receiver	R&S	ESR7	101668	2025.01.11	2026.01.10	☒
Anechoic chamber	Quietek	9m*6m*6m	AC3	2022.01.02	2027.01.01	☒

Radiated Emission / AC5

Instrument	Manufacturer	Model No.	Serial No.	Cali. Date	Cali. Due Date	Used In
EMI Test Receiver	R&S	ESR26	101880	2025.08.02	2026.08.01	☒
Pre-Amplifier	XH	LNA1845	LNA23040284	2025.05.17	2026.05.16	☒
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2025.08.14	2026.08.13	☒
Filter Switch Box	MVE	MSW-F196	C070001S	2025.03.15	2026.03.14	☒
Coaxial Cable	Lair Microwave	LA800-NMNW M-6.5M	502201001001	2025.03.15	2026.03.14	☒
Coaxial Cable	Lair Microwave	LA800-SWMS WM-0.6M	502201005001	2025.03.15	2026.03.14	☒
Coaxial Cable	Lair Microwave	LA800-NMNW M-3M	502201002001	2025.03.15	2026.03.14	☒
Coaxial Cable	Lair Microwave	LA800-NMNW M-1.2M	202201003001	2025.03.15	2026.03.14	☒
MXA Signal Analyzer	Keysight	N9020B	MY60112218	2025.09.20	2026.09.19	☒
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2025.06.22	2026.06.21	☒
Amplifier	Tonscend Technology	TAP01840048	806JSAP0429 06251036	2025.06.30	2026.06.29	☒
Cable	Rosenberger	LA1-C390-2000	0001	2025.05.17	2026.05.16	☒
Cable	Rosenberger	LA1-C390-3000	0001	2025.05.17	2026.05.16	☒
Temperature/Humidity Meter	RTS	RTS-1909	THM-024	2025.04.30	2026.04.29	☒
Software	Tonscend	JS32-RE	5.0.0	N/A	N/A	☒
Anechoic chamber	Quietek	9m*6m*6m	AC5	2024.04.21	2028.04.20	☒

2.3. Test Environment

Tests have been performed in a controlled laboratory environment, where the environmental conditions are maintained within the applicable ranges.

Performed Item	Items	Actual
Conducted Emission	Temperature (°C)	20
	Humidity (%RH)	49
	Barometric pressure (mbar)	1015
Radiated Emission (30~1000 MHz)	Temperature (°C)	22
	Humidity (%RH)	56
	Barometric pressure (mbar)	1019
Radiated Emission (1~40 GHz)	Temperature (°C)	23
	Humidity (%RH)	51
	Barometric pressure (mbar)	1022

2.4. Measurement Uncertainty

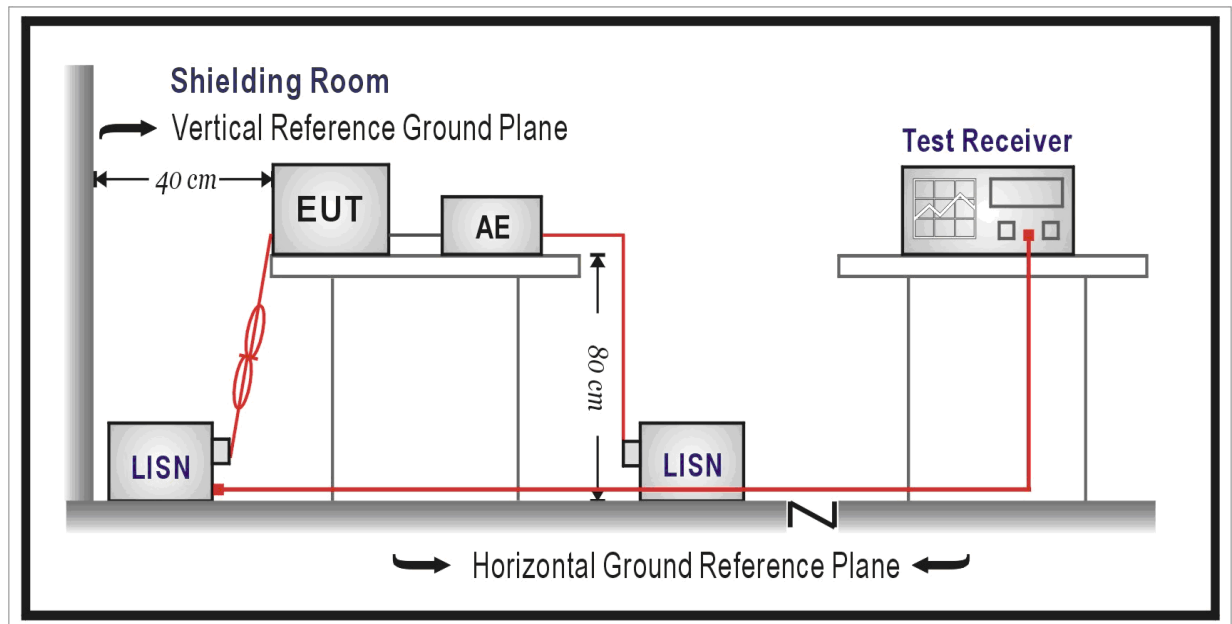
Conducted emissions – AC mains power ports / TR1
The maximum measurement uncertainty is evaluated as: Mains: 150kHz~30MHz: 2.6 dB
Radiated emission / AC1
The maximum measurement uncertainty is evaluated as: Horizontal: 30MHz~200MHz: 4.9 dB 200MHz~1000MHz: 4.5 dB Vertical: 30MHz~200MHz: 4.7 dB 200MHz~1000MHz: 4.5 dB
Radiated emission / AC5
The maximum measurement uncertainty is evaluated as: Horizontal: 1 GHz~18 GHz: 5.2 dB Vertical: 1 GHz~18 GHz: 5.4 dB Horizontal: 18 GHz~40 GHz: 4.7 dB Vertical: 18 GHz~40 GHz: 4.6 dB

3. Conducted disturbance

3.1. Test Specification

According to Standard: FCC Part 15.107, ANSI C63.4

3.2. Test Setup



3.3. Limit

☐ Limits for conducted disturbance of class A		
Frequency range MHz	Limits dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	79	66
0.50 to 30	73	60
NOTE: The lower limit shall apply at the transition frequency.		

☒ Limits for conducted disturbance of class B		
Frequency range MHz	Limits dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
NOTE 1: The lower limit shall apply at the transition frequencies.		
NOTE 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.		

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50Ω / 50μH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50Ω / 50μH coupling impedance with 50Ω termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

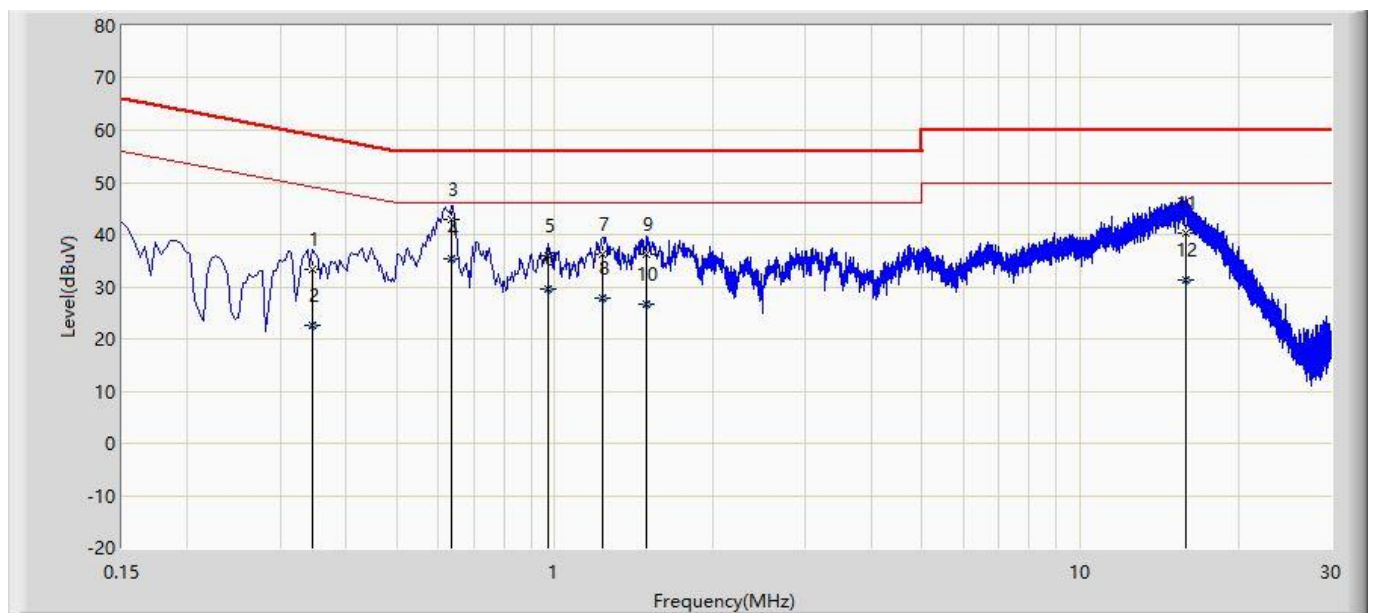
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Deviation from Test Standard

No deviation.

3.6. Test Result

Engineer: Lawrence Wang	
Site: TR1	Time: 2025/11/06
Limit: FCC_Part 15.107_CE_AC Power_Class B	Margin: 0
Probe: ENV216_101189(0.009-30MHz)-Suz2711	Polarity: Line
EUT: Mobile Phone	Power: 120 Vac, 60 Hz
Note: Mode 1	



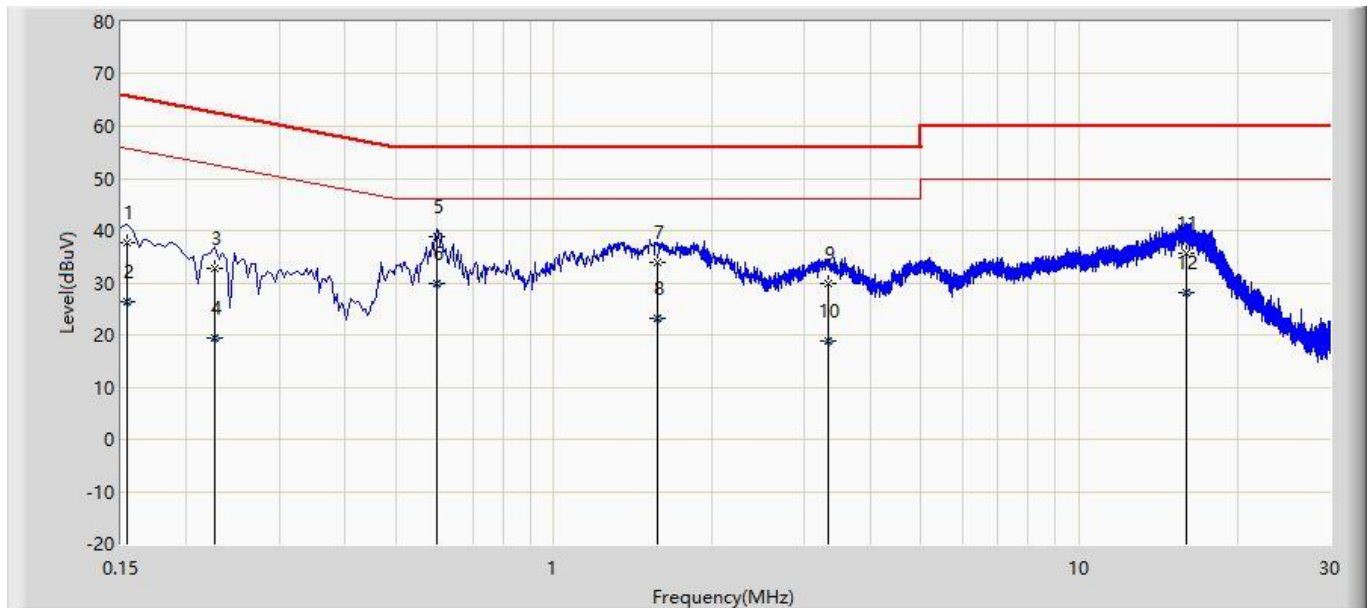
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.346	33.222	23.541	-25.836	59.058	9.652	0.028	0.000	QP
2		0.346	22.538	12.858	-26.520	49.058	9.652	0.028	0.000	AV
3		0.634	43.011	33.313	-12.989	56.000	9.660	0.038	0.000	QP
4	*	0.634	35.273	25.576	-10.727	46.000	9.660	0.038	0.000	AV
5		0.974	35.927	26.209	-20.073	56.000	9.669	0.049	0.000	QP
6		0.974	29.636	19.918	-16.364	46.000	9.669	0.049	0.000	AV
7		1.234	36.328	26.596	-19.672	56.000	9.675	0.058	0.000	QP
8		1.234	27.925	18.193	-18.075	46.000	9.675	0.058	0.000	AV
9		1.498	36.124	26.376	-19.876	56.000	9.680	0.068	0.000	QP
10		1.498	26.545	16.798	-19.455	46.000	9.680	0.068	0.000	AV
11		15.866	40.392	29.977	-19.608	60.000	10.153	0.262	0.000	QP
12		15.866	31.368	20.953	-18.632	50.000	10.153	0.262	0.000	AV

Note:

1. " * ", means this data is the worst emission level.

2. Measurement Level = Reading Level + Factor(Probe+Cable+Amp).

Engineer: Lawrence Wang	
Site: TR1	Time: 2025/11/06
Limit: FCC_Part 15.107_CE_AC Power_Class B	Margin: 0
Probe: ENV216_101189(0.009-30MHz)-Suz2711	Polarity: Neutral
EUT: Mobile Phone	Power: 120 Vac, 60 Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.154	37.763	28.082	-28.019	65.781	9.659	0.022	0.000	QP
2		0.154	26.435	16.755	-29.346	55.781	9.659	0.022	0.000	AV
3		0.226	32.747	23.073	-29.848	62.595	9.650	0.024	0.000	QP
4		0.226	19.556	9.882	-33.040	52.595	9.650	0.024	0.000	AV
5		0.598	38.758	29.066	-17.242	56.000	9.655	0.037	0.000	QP
6	*	0.598	29.718	20.026	-16.282	46.000	9.655	0.037	0.000	AV
7		1.574	33.998	24.247	-22.002	56.000	9.681	0.070	0.000	QP
8		1.574	23.164	13.413	-22.836	46.000	9.681	0.070	0.000	AV
9		3.322	29.750	19.897	-26.250	56.000	9.729	0.123	0.000	QP
10		3.322	18.784	8.932	-27.216	46.000	9.729	0.123	0.000	AV
11		15.958	35.722	25.196	-24.278	60.000	10.263	0.263	0.000	QP
12		15.958	28.016	17.490	-21.984	50.000	10.263	0.263	0.000	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

3.7. Test Photograph

Remark: The test setup photo please see appendix.

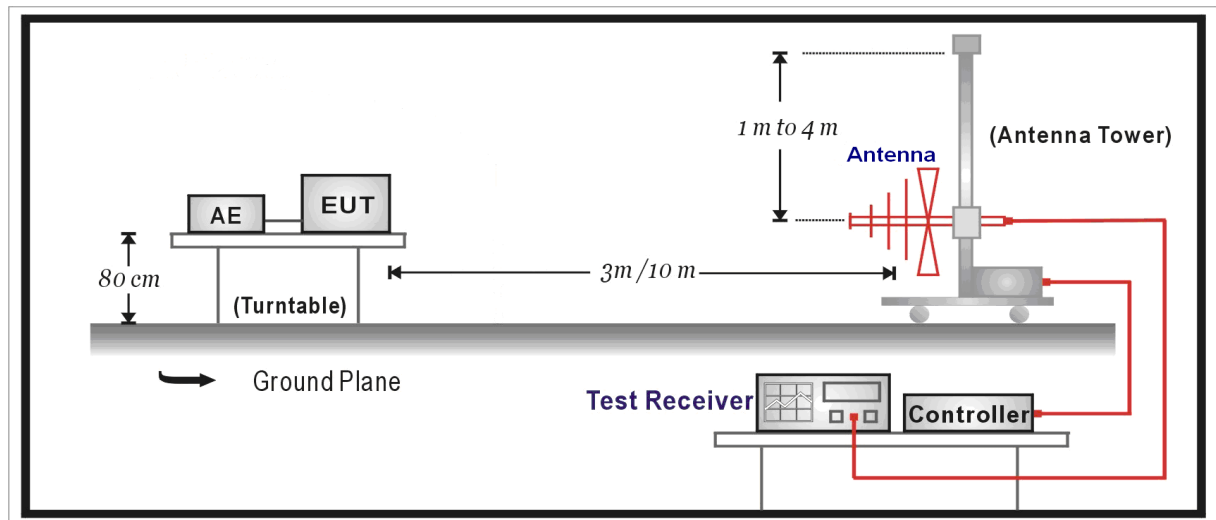
4. Radiated disturbance

4.1. Test Specification

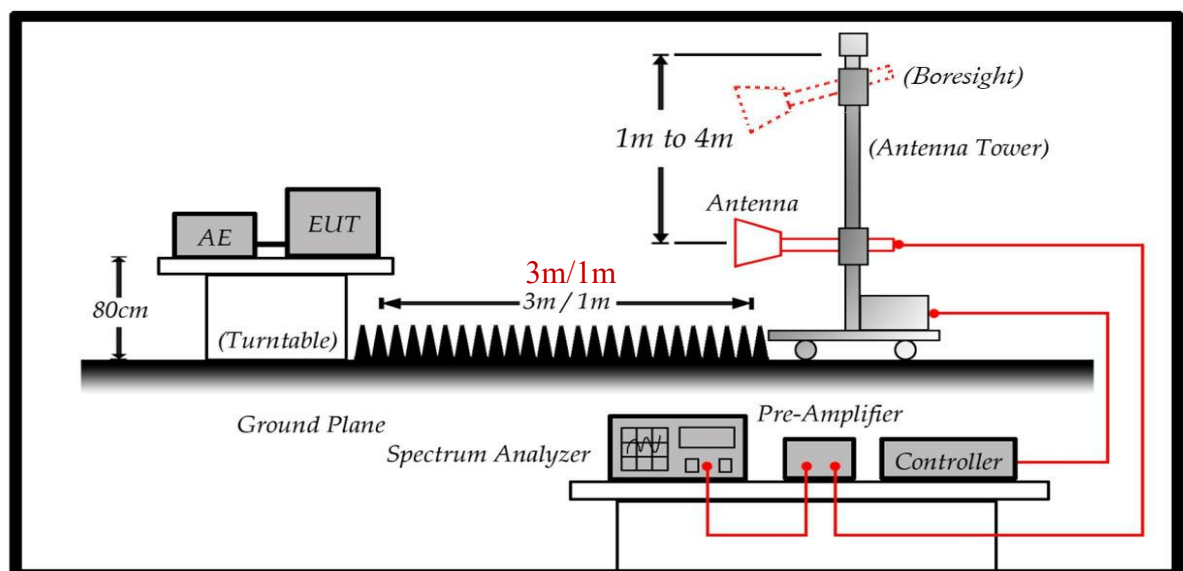
According to Standard: FCC Part 15.109, ANSI C63.4

4.2. Test Setup

Below 1GHz Test Setup



Above 1GHz Test Setup



4.3. Limit

☐ Limits for Radiated disturbance of CLASS A

Measuring Distance	10m	3m
Frequency of Emission (MHz)	Field Strength(QP) dB(μ V/m)	Field Strength(QP) dB(μ V/m)
30 to 88	39	49
88 to 216	43.5	53.5
216 to 960	46.4	56.4
960 to 1000	49.5	59.5

NOTE: The lower limit shall apply at the transition frequency.

Measuring Distance	10m		3m	
Frequency of Emission (MHz)	Field Strength(PK) dB(μ V/m)	Field Strength(AV) dB(μ V/m)	Field Strength(PK) dB(μ V/m)	Field Strength(AV) dB(μ V/m)
1000 to 18000	49.5	29.5	59.5	39.5
18000 to 40000	49.5	29.5	59.5	39.5

☒ Limits for Radiated disturbance of CLASS B

Measuring Distance	10m	3m
Frequency of Emission (MHz)	Field Strength(QP) dB(μ V/m)	Field Strength(QP) dB(μ V/m)
30 to 88	30	40
88 to 216	33.5	43.5
216 to 960	36	46
960 to 1000	44	54

NOTE: The lower limit shall apply at the transition frequency.

Measuring Distance	10m		3m	
Frequency of Emission (MHz)	Field Strength(PK) dB(μ V/m)	Field Strength(AV) dB(μ V/m)	Field Strength(PK) dB(μ V/m)	Field Strength(AV) dB(μ V/m)
1000 to 18000	64	44	74	54
18000 to 40000	64	44	74	54

4.4. Test Procedure

The EUT and its simulators are placed on a turntable which is 0.8 meter above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be changed during radiated measurement.

The bandwidth below 1GHz setting on the receiver is 120kHz and above 1GHz is 1MHz.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 to 108	1000
108 to 500	2000
500 to 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

On any frequency or frequencies below or equal to 1000MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000MHz, the radiated limits shown are based on measuring equipment employing an average detector function.

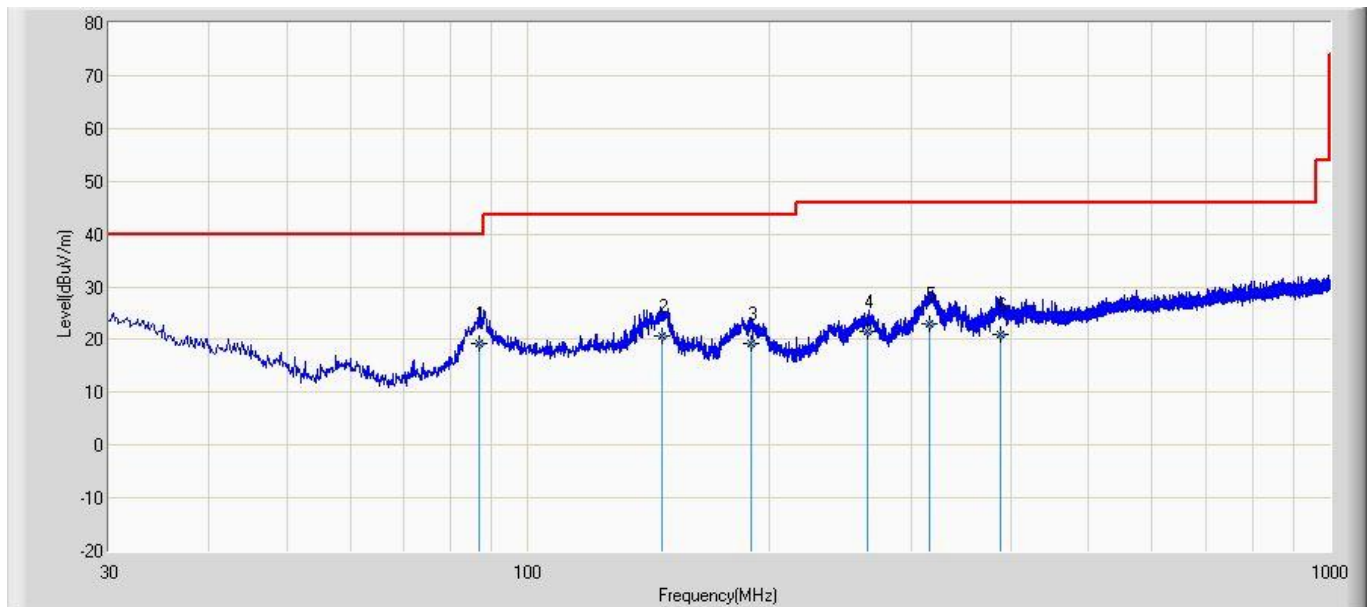
When average radiated emission measurement included emission measurement above 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

4.5. Deviation from Test Standard

No deviation.

4.6. Test Result

Engineer: Jim Fu	
Site: AC3	Time: 2025/11/10
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: SuZ-0011(30-1000MHz)	Polarity: Horizontal
EUT: Mobile Phone	Power: 120 Vac, 60 Hz
Note: Mode 1	

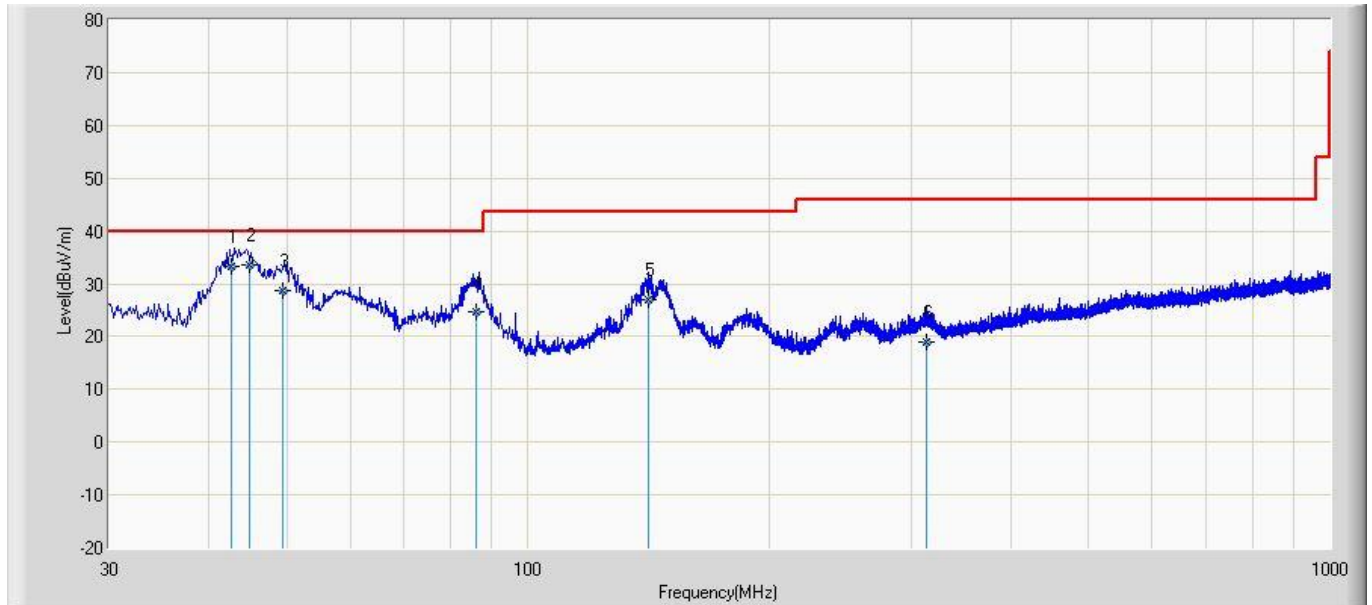


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1	*	86.723	19.396	3.550	-20.604	40.000	8.589	7.258	0.000	165	211	QP
2		146.782	20.747	2.690	-22.753	43.500	10.596	7.461	0.000	242	163	QP
3		189.473	19.126	2.430	-24.374	43.500	9.188	7.508	0.000	106	291	QP
4		265.175	21.622	1.220	-24.378	46.000	12.712	7.689	0.000	100	225	QP
5		316.528	23.098	1.580	-22.902	46.000	13.702	7.817	0.000	214	240	QP
6		388.625	20.993	-2.350	-25.007	46.000	15.368	7.975	0.000	174	323	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Engineer: Jim Fu	
Site: AC3	Time: 2025/11/10
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: SuZ-0011(30-1000MHz)	Polarity: Vertical
EUT: Mobile Phone	Power: 120 Vac, 60 Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		42.641	33.295	14.960	-6.705	40.000	11.919	6.415	0.000	175	206	QP
2	*	44.881	33.713	16.550	-6.287	40.000	10.743	6.420	0.000	273	264	QP
3		49.483	28.752	13.550	-11.248	40.000	8.773	6.429	0.000	145	216	QP
4		86.144	24.673	8.960	-15.327	40.000	8.465	7.248	0.000	100	116	QP
5		141.493	27.011	8.550	-16.489	43.500	11.005	7.456	0.000	250	52	QP
6		313.253	18.997	-2.440	-27.003	46.000	13.628	7.809	0.000	324	332	QP

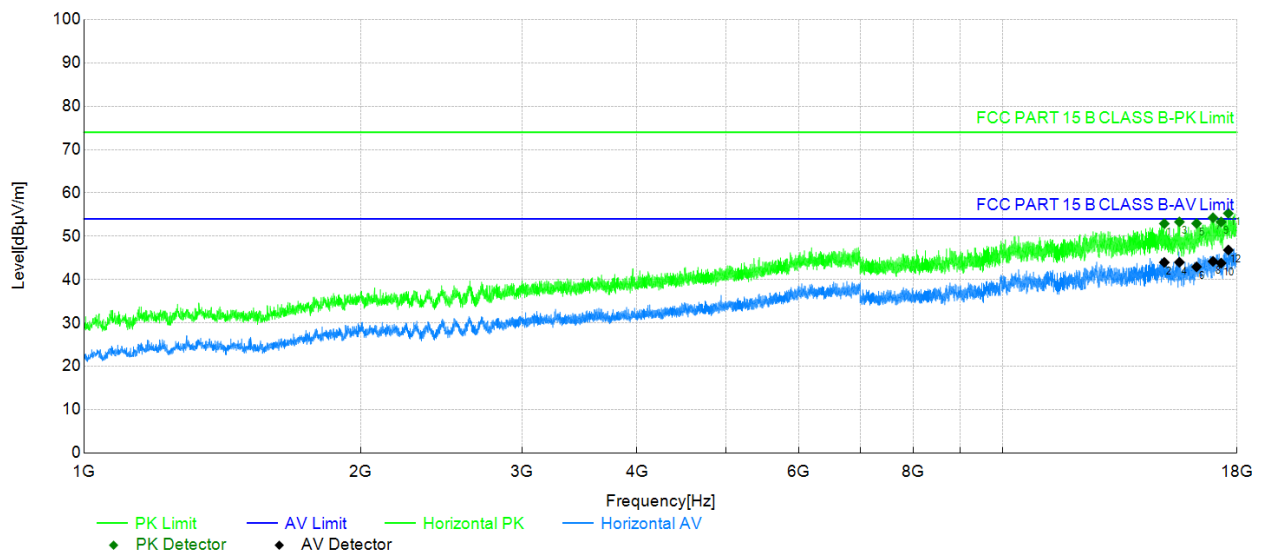
Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Project Information

Test Time:	2025-11-05		
Customer:	Xiaomi Communications Co., Ltd.	Site:	AC5
EUT:	Mobile Phone	Engineer:	Sue Cai
Margin:	0	Power:	120 Vac, 60 Hz
Environment:	Temperature: 23 °C; Humidity: 51 %RH; Barometric Pressure: 1022 mbar		
Remark:	Mode 1		

Test Graph



Final Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Over [dB]	Height [cm]	Angle [°]	Detector	Polarity
1	15001.4194	46.56	52.91	6.35	74.00	-21.09	100	83	PK	Horizontal
2	15001.4194	37.61	43.96	6.35	54.00	-10.04	100	83	AV	Horizontal
3	15579.9677	46.39	53.31	6.92	74.00	-20.69	100	44	PK	Horizontal
4	15579.9677	37.08	44.00	6.92	54.00	-10	100	44	AV	Horizontal
5	16264.9032	46.27	52.95	6.68	74.00	-21.05	100	192	PK	Horizontal
6	16264.9032	36.26	42.94	6.68	54.00	-11.06	100	192	AV	Horizontal
7	16948.1935	46.1	54.27	8.17	74.00	-19.73	100	104	PK	Horizontal
8	16948.1935	36.03	44.20	8.17	54.00	-9.8	100	104	AV	Horizontal
9	17297.5161	45.7	53.30	7.60	74.00	-20.7	100	295	PK	Horizontal
10	17297.5161	36.19	43.79	7.60	54.00	-10.21	100	295	AV	Horizontal
11	17612.8387	46.98	55.28	8.30	74.00	-18.72	100	358	PK	Horizontal
12	17612.8387	38.51	46.81	8.30	54.00	-7.19	100	358	AV	Horizontal

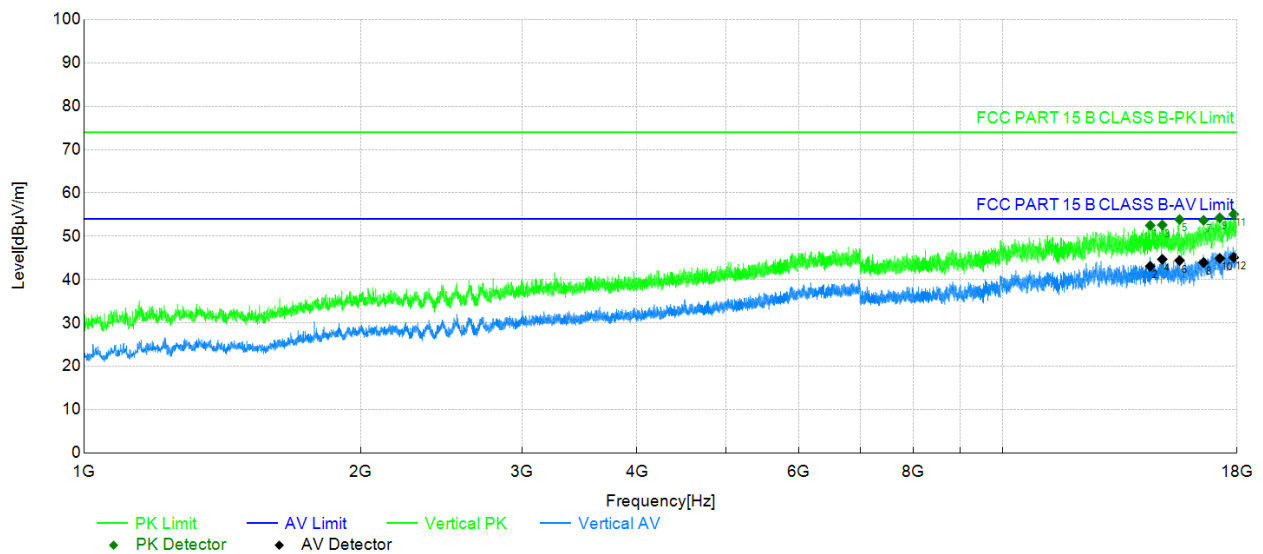
Note: (1) Level= Reading+ Factor

(2) Over= Level- Limit

Project Information

Test Time:	2025-11-05		
Customer:	Xiaomi Communications Co., Ltd.	Site:	AC5
EUT:	Mobile Phone	Engineer:	Sue Cai
Margin:	0	Power:	120 Vac, 60 Hz
Environment:	Temperature: 23 °C; Humidity: 51 %RH; Barometric Pressure: 1022 mbar		
Remark:	Mode 1		

Test Graph



Final Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Over [dB]	Height [cm]	Angle [°]	Detector	Polarity
1	14479.9032	44.73	52.50	7.77	74.00	-21.5	100	132	PK	Vertical
2	14479.9032	35.29	43.06	7.77	54.00	-10.94	100	132	AV	Vertical
3	14924.6452	44.68	52.61	7.93	74.00	-21.39	100	232	PK	Vertical
4	14924.6452	36.76	44.69	7.93	54.00	-9.31	100	232	AV	Vertical
5	15584.9032	46.44	53.87	7.43	74.00	-20.13	100	80	PK	Vertical
6	15584.9032	36.97	44.40	7.43	54.00	-9.6	100	80	AV	Vertical
7	16553.3548	45.73	53.69	7.96	74.00	-20.31	100	194	PK	Vertical
8	16553.3548	35.96	43.92	7.96	54.00	-10.08	100	194	AV	Vertical
9	17236.6452	45.63	54.26	8.63	74.00	-19.74	100	144	PK	Vertical
10	17236.6452	36.27	44.90	8.63	54.00	-9.1	100	144	AV	Vertical
11	17852.4839	46.2	55.07	8.87	74.00	-18.93	100	343	PK	Vertical
12	17852.4839	36.22	45.09	8.87	54.00	-8.91	100	343	AV	Vertical

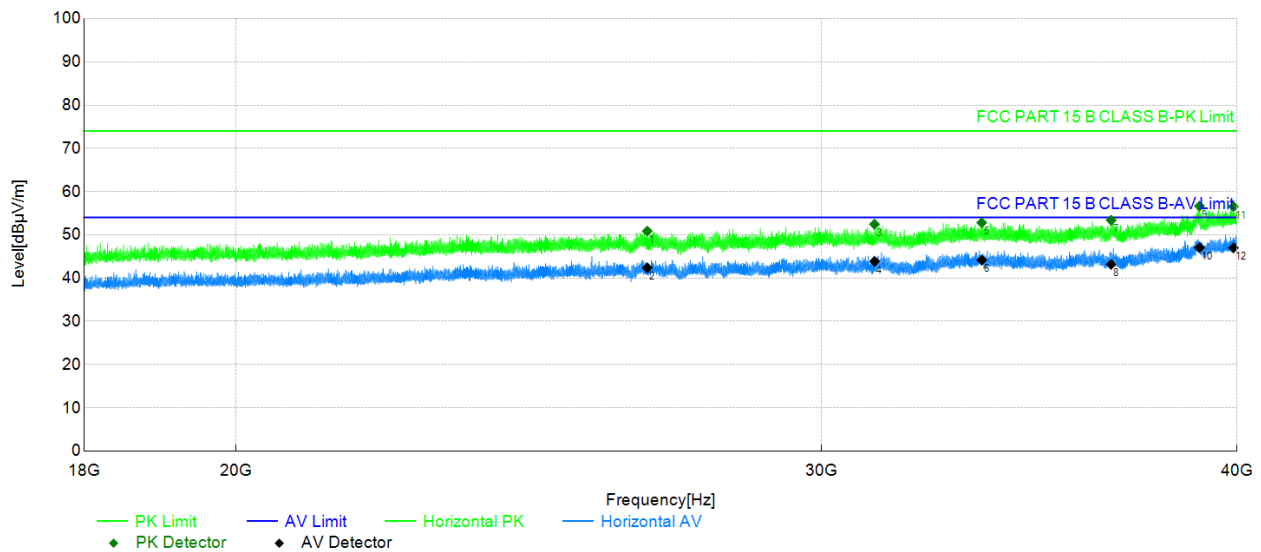
Note: (1) Level= Reading+ Factor

(2) Over= Level- Limit

Project Information

Test Time:	2025-11-05		
Customer:	Xiaomi Communications Co., Ltd.	Site:	AC5
EUT:	Mobile Phone	Engineer:	Sue Cai
Margin:	0	Power:	120 Vac, 60 Hz
Environment:	Temperature: 23 °C; Humidity: 51 %RH; Barometric Pressure: 1022 mbar		
Remark:	Mode 1		

Test Graph



Final Data List

NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Over [dB]	Height [cm]	Angle [°]	Detector	Polarity
1	26587.8065	54.98	50.86	-4.12	74.00	-23.14	100	347	PK	Horizontal
2	26587.8065	46.50	42.38	-4.12	54.00	-11.62	100	347	AV	Horizontal
3	31118.3871	56.02	52.45	-3.57	74.00	-21.55	100	353	PK	Horizontal
4	31118.3871	47.43	43.86	-3.57	54.00	-10.14	100	353	AV	Horizontal
5	33518.5161	55.18	52.80	-2.38	74.00	-21.2	100	153	PK	Horizontal
6	33518.5161	46.54	44.16	-2.38	54.00	-9.84	100	153	AV	Horizontal
7	36660.9677	55.89	53.38	-2.51	74.00	-20.62	100	141	PK	Horizontal
8	36660.9677	45.68	43.17	-2.51	54.00	-10.83	100	141	AV	Horizontal
9	38974.5161	59.12	56.65	-2.47	74.00	-17.35	100	325	PK	Horizontal
10	38974.5161	49.49	47.02	-2.47	54.00	-6.98	100	325	AV	Horizontal
11	39900.6452	58.72	56.52	-2.20	74.00	-17.48	100	0	PK	Horizontal
12	39900.6452	49.18	46.98	-2.20	54.00	-7.02	100	0	AV	Horizontal

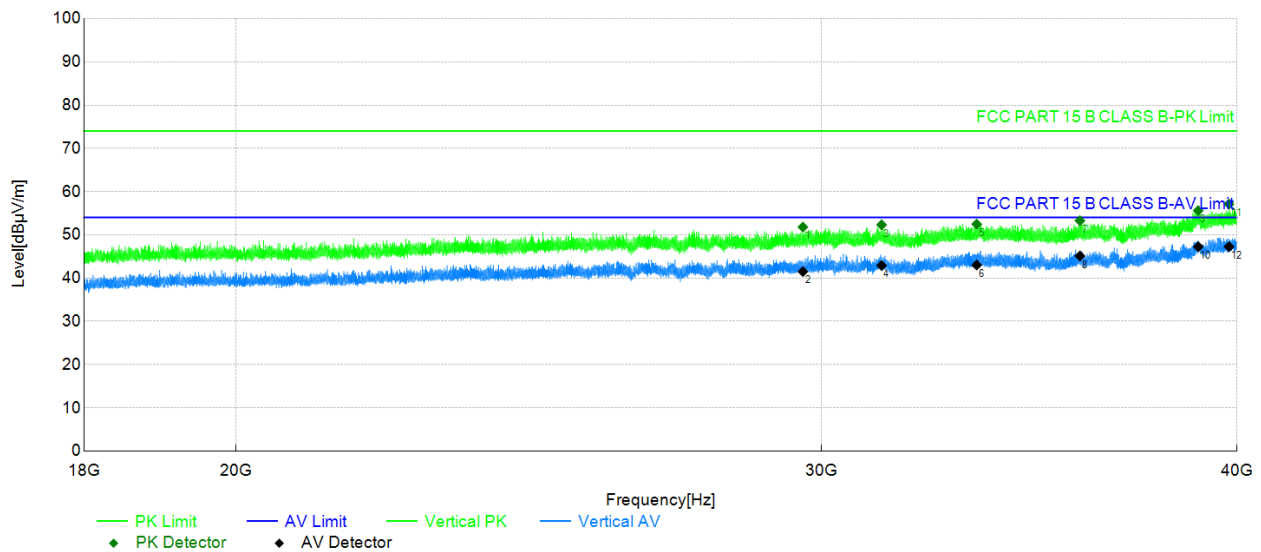
Note: (1) Level= Reading+ Factor

(2) Over= Level- Limit

Project Information

Test Time:	2025-11-05		
Customer:	Xiaomi Communications Co., Ltd.	Site:	AC5
EUT:	Mobile Phone	Engineer:	Sue Cai
Margin:	0	Power:	120 Vac, 60 Hz
Environment:	Temperature: 23 °C; Humidity: 51 %RH; Barometric Pressure: 1022 mbar		
Remark:	Mode 1		

Test Graph



Final Data List

NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Over [dB]	Height [cm]	Angle [°]	Detector	Polarity
1	29613.1613	56.44	51.79	-4.65	74.00	-22.21	100	320	PK	Vertical
2	29613.1613	46.15	41.50	-4.65	54.00	-12.5	100	320	AV	Vertical
3	31271.6774	55.45	52.31	-3.14	74.00	-21.69	100	68	PK	Vertical
4	31271.6774	46.05	42.91	-3.14	54.00	-11.09	100	68	AV	Vertical
5	33401.4194	54.91	52.47	-2.44	74.00	-21.53	100	283	PK	Vertical
6	33401.4194	45.46	43.02	-2.44	54.00	-10.98	100	283	AV	Vertical
7	35876.0645	55.06	53.27	-1.79	74.00	-20.73	100	92	PK	Vertical
8	35876.0645	46.90	45.11	-1.79	54.00	-8.89	100	92	AV	Vertical
9	38939.0323	58.17	55.60	-2.57	74.00	-18.4	100	233	PK	Vertical
10	38939.0323	49.82	47.25	-2.57	54.00	-6.75	100	233	AV	Vertical
11	39778.5806	59.45	57.11	-2.34	74.00	-16.89	100	360	PK	Vertical
12	39778.5806	49.59	47.25	-2.34	54.00	-6.75	100	360	AV	Vertical

Note: (1) Level= Reading+ Factor

(2) Over= Level- Limit

4.7. Test Photograph

Remark: The test setup photo please see appendix.

5. Attachment

EUT Photograph

Remark: The test setup photo please see appendix.

The End
