

EMC TEST REPORT

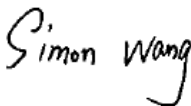
Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	POCO
Model Name:	2410FPCC5G
FCC ID:	2AFZZPCC5G
Date of tests:	May. 11, 2024 ~ Jul. 11, 2024

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

- ☐ FCC Part 15, Subpart B, Class A
☒ FCC Part 15, Subpart B, Class B
☒ ANSI C63.4:2014

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Jul. 11, 2024	 Date: Jul. 11, 2024

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TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1 GENERAL INFORMATION	4
1.1 GENERAL DESCRIPTION OF EUT.....	4
1.2 SUMMARY OF TEST RESULTS	6
1.3 MEASUREMENT UNCERTAINTY	6
1.4 DESCRIPTION OF TEST MODES.....	7
1.5 DESCRIPTION OF SUPPORT UNITS.....	9
2 EMISSION TEST	10
2.1 CONDUCTED EMISSION MEASUREMENT.....	10
2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT.....	10
2.1.2 TEST INSTRUMENTS.....	10
2.1.3 TEST PROCEDURES	11
2.1.4 DEVIATION FROM TEST STANDARD	11
2.1.5 TEST SETUP.....	11
2.1.6 EUT OPERATING CONDITIONS	12
2.1.7 TEST RESULTS	13
2.2 RADIATED EMISSION MEASUREMENT.....	15
2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	15
2.2.2 TEST INSTRUMENTS.....	16
2.2.3 TEST PROCEDURE.....	17
2.2.4 DEVIATION FROM TEST STANDARD	18
2.2.5 TEST SETUP.....	19
2.2.6 EUT OPERATING CONDITIONS	19
2.2.7 TEST RESULTS	20
3 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	24



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P24050016EM03	Original release	Jul. 11, 2024

1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mobile Phone	
BRAND NAME	POCO	
MODEL NAME	2410FPCC5G	
NOMINAL VOLTAGE	5/3.6~11Vdc(adapter or host equipment) 3.84Vdc (Li-ion, battery)	
MODULATION TYPE	BT_LE	GFSK
	Bluetooth	GFSK, $\pi/4$ -DQPSK, 8DPSK
	WLAN	DSSS, OFDM
	FM	FM
	NFC	ASK
	GPS/GALILEO/GLO NASS/BDS	BPSK
	GSM/GPRS/EDGE	GMSK, 8PSK
	WCDMA	BPSK/QPSK
	LTE	QPSK/16QAM/64QAM
OPERATING FREQUENCY	Bluetooth/BT_LE	2402MHz ~ 2480MHz
	WLAN	2412 ~ 2462MHz for 11b/g/n(HT20) 5180 ~ 5240MHz, 5260 ~ 5320 MHz, 5500 ~ 5700MHz, 5745 ~ 5825 MHz for 11a/ n(HT20)/ n(HT40) / ac(VHT20)/ ac(VHT40) / ac(VHT80)
	FM	87.5MHz ~ 108MHz
	NFC	13.56 MHz
	GPS/GALILEO/GLO NASS/BDS	1559MHz ~ 1610MHz
	GSM	824.2MHz ~ 848.8MHz (FOR GSM 850) 1850.2MHz ~ 1909.8MHz (FOR GSM 1900)
	WCDMA	1852.4MHz ~ 1907.6MHz(FOR WCDMA Band 2) 1712.4MHz ~ 1752.6MHz(FOR WCDMA Band 4) 826.4MHz ~ 846.6MHz (FOR WCDMA Band 5)
	LTE	1850.7MHz ~ 1909.3MHz (FOR LTE Band2) 1710.7MHz ~ 1754.3MHz (FOR LTE Band4)

		824.7MHz ~ 848.3MHz (FOR LTE Band5) 2502.5MHz ~ 2567.5MHz (FOR LTE Band7) 2572.5MHz ~ 2617.5MHz (FOR LTE Band38) 2498.5MHz ~2687.5MHz (FOR LTE Band41) 1710.7MHz ~ 1779.3MHz (FOR LTE Band66)
HW VERSION	135100C3N	
SW VERSION	Xiaomi HyperOS 1.0	
IMEI	862996070038084	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable3: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable4: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable5: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable6: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable7: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable8: non-shielded cable, with w/o ferrite core, 1.0 meter	
ACCESSORY DEVICES	Refer to note as below	

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

1.2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart B		
Standard Section	Test Item	Result
FCC Part 15, Subpart B, Class B ANSI C63.4:2014	Conducted Test	Compliance
	Radiated Emission Test (30MHz ~ 1GHz)	Compliance
	Radiated Emission Test (Above 1GHz)	Compliance

1.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz ~ 30MHz	±2.70dB
Radiated emissions	30MHz~1GHz	±4.98dB
	1GHz ~6GHz	±4.70dB
	6GHz ~18GHz	±4.60dB
	18GHz ~40GHz	±4.12dB

1.4 DESCRIPTION OF TEST MODES

Test Mode	Test Condition
Radiated emission test	
1	GSM850 Idle+Adapter 1+USB cable 1+Earphone+TF Card+Front Camera On+SIM+Sample 1
2	GSM1900 Idle+Adapter 1+USB cable 2+Earphone+TF Card+Back Camera On+SIM+Sample 1
3	WCDMA B2 Idle+Adapter 1+USB cable 3+Earphone+TF Card+Front Camera On+SIM+Sample 1
4	WCDMA B4 Idle+Adapter 1+USB cable 4+Earphone+TF Card+Back Camera On+SIM+Sample 1
5	WCDMA B5 Idle+Adapter 1+USB cable 5+Earphone+TF Card+FM RX+SIM+Sample 1
6	LTE B2 Idle+Adapter 1+USB cable 6+Earphone+TF Card+SIM+Sample 1
7	LTE B4 Idle+Adapter 1+USB cable 7+Earphone+TF Card+SIM+Sample 1
8	LTE B5 Idle+Adapter 1+USB cable 8+Earphone+TF Card+SIM+Sample 1
9	LTE B7 Idle+Adapter 1+USB cable 1+Earphone+TF Card+MPG4+SIM+Sample 1
10	NFC+Adapter 1+USB cable 2+Earphone+TF Card+Front Camera On+SIM+Sample 1
11	Adapter 1+USB cable 3+Earphone+TF Card+Back Camera On+SIM+Sample 1
12	LTE B66 Idle+Adapter 1+USB cable 4+Earphone+TF Card+SIM+Sample 1
13	LTE B38 Idle+USB Link +Data Transmission+USB cable 1/2/3/4+TF Card+EUT to Notebook+Earphone+SIM+Sample 1
14	LTE B41 Idle+USB Link +Data Transmission+USB cable 5/6/7/8+TF Card+Notebook to TF Card+Earphone+SIM+Sample 1
15	Powered by Battery+TF Card+Reverse charging+Sample 1
16	Worst of 1-12+Adapter 2
17	Worst of 1-16+Sample 2
18	Worst of 1-16 (Mode 3) +Sample 3
19	Worst of 1-16+Sample 4
20	Worst of 1-16+Sample 5
21	Worst of 1-16+Sample 6

Conducted emission test	
1	GSM850 Idle+Adapter 1+USB cable 1+Earphone+TF Card+Front Camera On+SIM+Sample 1
2	GSM1900 Idle+Adapter 1+USB cable 2+Earphone+TF Card+Back Camera On+SIM+Sample 1
3	WCDMA B2 Idle+Adapter 1+USB cable 3+Earphone+TF Card+Front Camera On+SIM+Sample 1
4	WCDMA B4 Idle+Adapter 1+USB cable 4+Earphone+TF Card+Back Camera On+SIM+Sample 1
5	WCDMA B5 Idle+Adapter 1+USB cable 5+Earphone+TF Card+FM RX+SIM+Sample 1
6	LTE B2 Idle+Adapter 1+USB cable 6+Earphone+TF Card+SIM+Sample 1

7	LTE B4 Idle+Adapter 1+USB cable 7+Earphone+TF Card+SIM+Sample 1
8	LTE B5 Idle+Adapter 1+USB cable 8+Earphone+TF Card+SIM+Sample 1
9	LTE B7 Idle+Adapter 1+USB cable 1+Earphone+TF Card+MPG4+SIM+Sample 1
10	NFC+Adapter 1+USB cable 2+Earphone+TF Card+Front Camera On+SIM+Sample 1
11	Adapter 1+USB cable 3+Earphone+TF Card+Back Camera On+SIM+Sample 1
12	LTE B66 Idle+Adapter 1+USB cable 4+Earphone+TF Card+SIM+Sample 1
13	LTE B38 Idle+USB Link +Data Transmission+USB cable 1/2/3/4+TF Card+EUT to Notebook+Earphone+SIM+Sample 1
14	LTE B41 Idle+USB Link +Data Transmission+USB cable 5/6/7/8+TF Card+Notebook to TF Card+Earphone+SIM+Sample 1
15	Worst of 1-12+Adapter 2
16	Worst of 1-15+Sample 2
17	Worst of 1-15+Sample 3
18	Worst of 1-15+Sample 4
19	Worst of 1-15+Sample 5
20	Worst of 1-15+Sample 6

NOTE:

1. For conducted emission test, Pre-scan all mode, mode 1 was the worst case and only this mode was presented in this report.
2. For radiated emission test, Pre-scan all mode, test mode 18 was the worst case and only this mode was presented in this report

1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

FOR ALL TESTS

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Laptop	Lenovo	Thinkpad L440	R90FTFKP	N/A
2	Micro SD	SAM SUNG	N/A	N/A	N/A
3	USB Cable	MI	N/A	N/A	N/A
4	FM signal generator	Rohde & Schwarz	SMB100A	109279	N/A
5	Printer	HP	hp LaserJet 1300	CNSJF75989	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB Line: Shielded, Detachable 1m;
2	N/A
3	N/A
4	N/A

2 EMISSION TEST

2.1 CONDUCTED EMISSION MEASUREMENT

2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC PART 15, SUBPART B (SECTION: 15.107 A CLASS B)

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

TEST STANDARD: FCC PART 15, SUBPART B (SECTION: 15.107 B CLASS A)

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	79	66
0.5 ~ 30	73	60

NOTE: 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.

2.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Feb. 14,24	Feb. 13,25
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Mar. 10,24	Mar. 09,25

NOTE: 1. The test was performed in CE shielded room.

2.1.3 TEST PROCEDURES

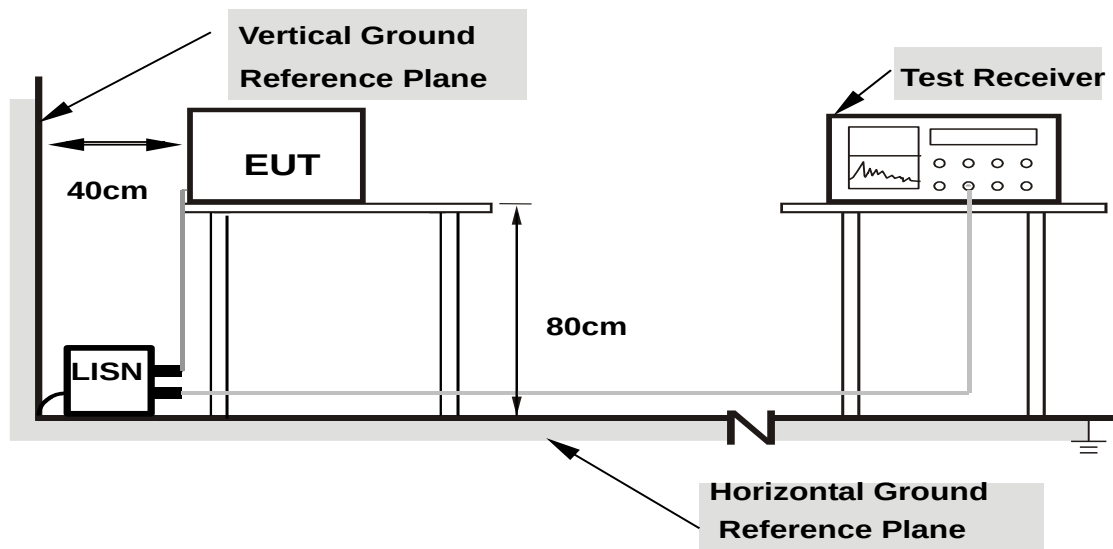
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

2.1.4 DEVIATION FROM TEST STANDARD

No deviation.

2.1.5 TEST SETUP



**Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80
from other units and other metal planes**

For the actual test configuration, please refer to the attached file (Test Setup Photo).

2.1.6 EUT OPERATING CONDITIONS

- Turned on the power and connected of all equipment.
- EUT was operated according to the use type described in the manufacturer's specifications or the user's manual.

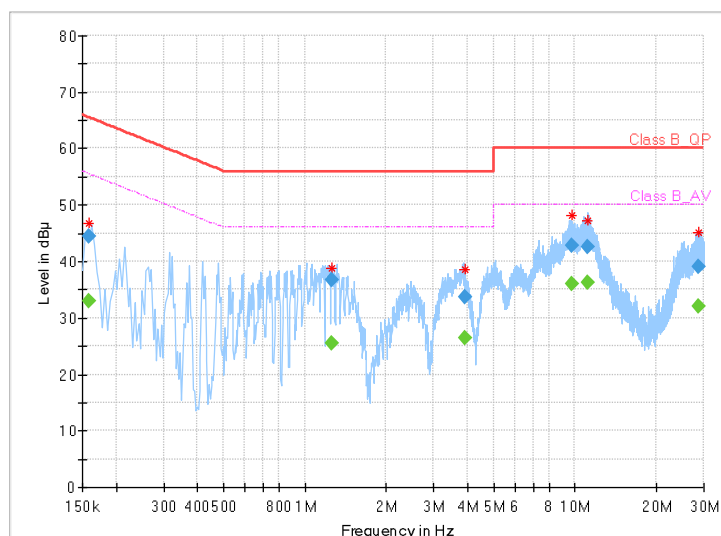
2.1.7 TEST RESULTS

TEST VOLTAGE	Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	26deg. C, 51%RH	TESTED BY	Carl xie

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.158000	---	33.07	55.57	22.50	L1	ON	9.8
0.158000	44.40	---	65.57	21.17	L1	ON	9.8
1.252000	---	25.38	46.00	20.62	L1	ON	9.8
1.252000	36.73	---	56.00	19.27	L1	ON	9.8
3.920000	---	26.52	46.00	19.48	L1	ON	9.8
3.920000	33.75	---	56.00	22.25	L1	ON	9.8
9.708000	---	35.97	50.00	14.03	L1	ON	10.4
9.708000	42.72	---	60.00	17.28	L1	ON	10.4
11.172000	---	36.19	50.00	13.81	L1	ON	10.5
11.172000	42.55	---	60.00	17.45	L1	ON	10.5
28.704000	---	32.06	50.00	17.94	L1	ON	11.3
28.704000	39.02	---	60.00	20.98	L1	ON	11.3

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

Full Spectrum

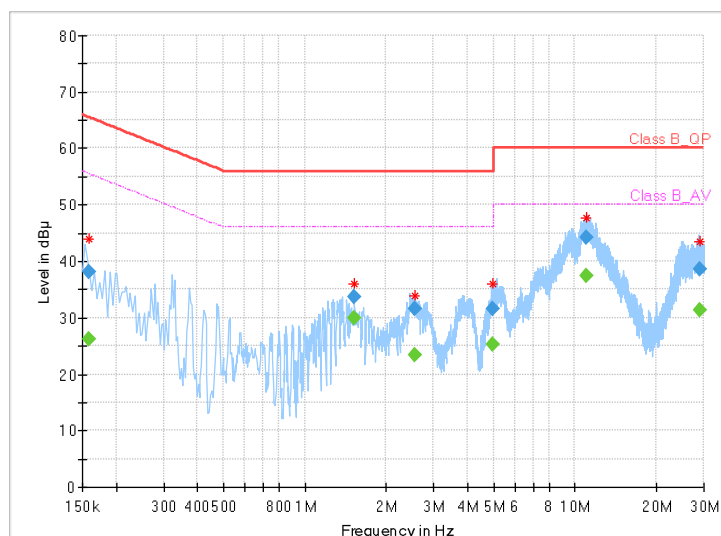


TEST VOLTAGE	Input 120 Vac, 60 Hz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
ENVIRONMENTAL CONDITIONS	26deg. C, 51%RH	TESTED BY	Carl xie

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.158000	---	26.24	55.57	29.33	N	ON	9.7
0.158000	38.24	---	65.57	27.33	N	ON	9.7
1.524000	---	29.83	46.00	16.17	N	ON	9.8
1.524000	33.76	---	56.00	22.24	N	ON	9.8
2.544000	---	23.37	46.00	22.63	N	ON	9.8
2.544000	31.66	---	56.00	24.34	N	ON	9.8
4.976000	---	25.22	46.00	20.78	N	ON	9.7
4.976000	31.49	---	56.00	24.51	N	ON	9.7
11.032000	---	37.38	50.00	12.62	N	ON	10.5
11.032000	44.10	---	60.00	15.90	N	ON	10.5
28.868000	---	31.26	50.00	18.74	N	ON	11.4
28.868000	38.53	---	60.00	21.47	N	ON	11.4

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

Full Spectrum



2.2 RADIATED EMISSION MEASUREMENT

2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC PART 15, SUBPART B (SECTION: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

Radiated Emissions Limits at 3 meters (dB μ V/m)		
Frequencies (MHz)	FCC 15B, Class A	FCC 15B, Class B
30-88	49	40
88-216	53.5	43.5
216-960	56	46
960-1000	59.5	54
Above 1000	Avg: 59.5 Peak: 79.5	Avg: 54 Peak: 74

Frequency Range (For unintentional radiators)

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
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

- 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. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
 4. QP detector shall be applied if not specified.

2.2.2 TEST INSTRUMENTS

Frequency range below 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	Nov. 14,23	Nov. 13,26
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 18,24	Feb. 17,25
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 28,24	Mar. 27,25
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 06,24	May. 05,25
E3 Test Software	E3	V 9.160323	N/A	N/A	N/A

Frequency range above 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	Nov. 14,23	Nov. 13,26
Horn Antenna	ETS-LINDGREN	3117	00168728	Nov. 30,23	Nov. 29,24
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Sep.04, 23	Sep.03, 24
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 28,24	Mar. 27,25
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.10,24	May.09,25
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 17,24	Feb. 16,25
E3 Test Software	E3	V 9.160323	N/A	N/A	N/A

NOTE: 1. The test was performed in 3m chamber.
2. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

2.2.3 TEST PROCEDURE

<Frequency Range below 1GHz>

The basic test procedure was in accordance with ANSI C63.4:2014 (section 12).

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

NOTE:

1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. $\text{Emission level(dBuV/m)} = \text{Raw Value(dBuV)} + \text{Correction Factor(dB/m)}$
3. $\text{Correction Factor(dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)}$ (if the raw value not contains the amplifier);
4. $\text{Correction Factor(dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)} - \text{Amplifier Gain(dB)}$ (if the raw value contains the amplifier).
5. $\text{Margin value} = \text{Emission level} - \text{Limit value}$.

<Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz

NOTE:

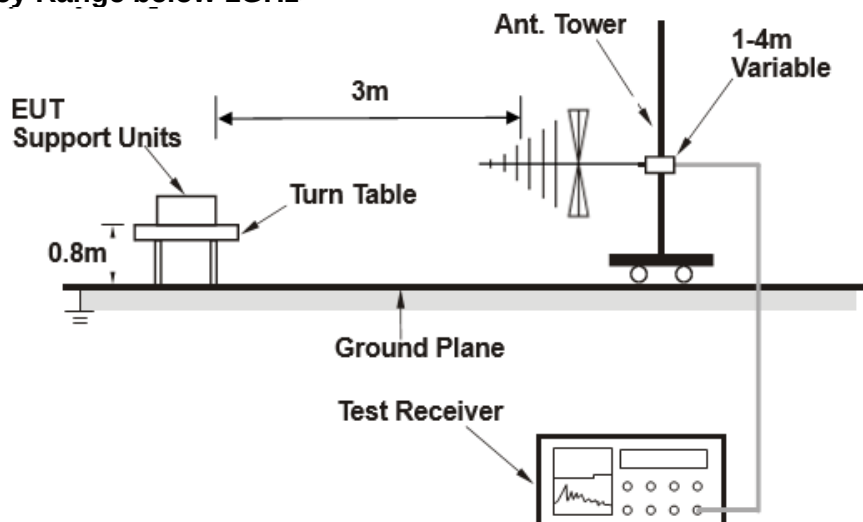
- . The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- . The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth of test receiver/spectrum analyzer is 1Hz for Average detection (AV) at frequency above 1GHz.
- . For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
- . $\text{Emission level(dBuV/m)} = \text{Raw Value(dBuV)} + \text{Correction Factor(dB/m)}$
- . $\text{Correction Factor(dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)}$ (if the raw value not contains the amplifier);
- . $\text{Correction Factor(dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)} - \text{Amplifier Gain(dB)}$ (if the raw value contains the amplifier)
- . $\text{Margin value} = \text{Emission level} - \text{Limit value}.$

2.2.4 DEVIATION FROM TEST STANDARD

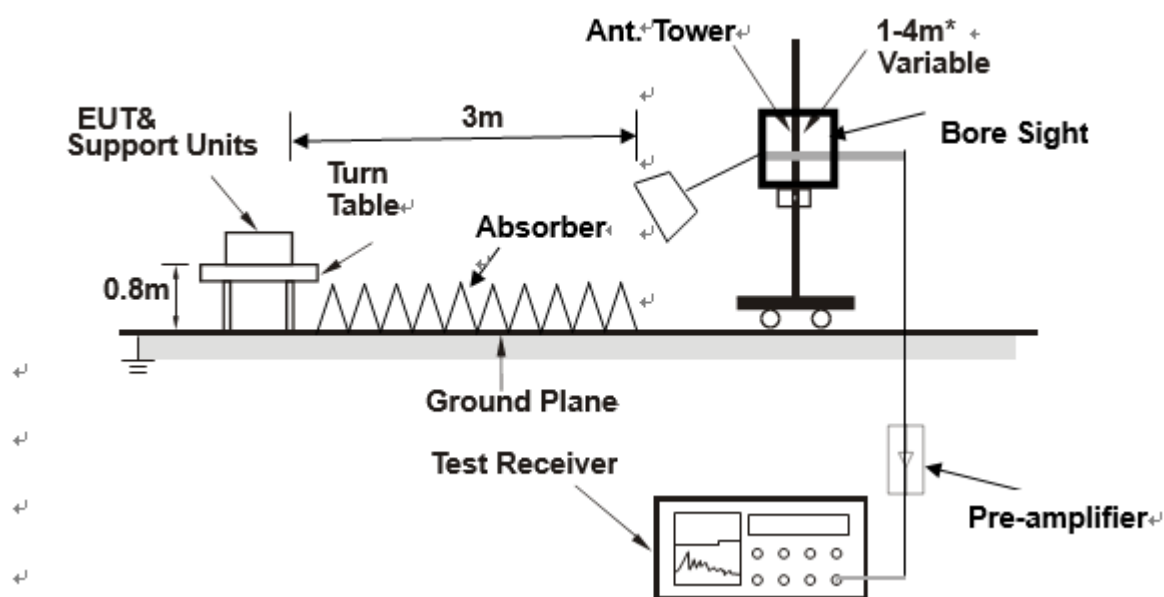
No deviation.

2.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

depends on the EUT height and the antenna 3dB bandwidth both, refer to section 7.3 of CISPR 16-2-3.

2.2.6 EUT OPERATING CONDITIONS

Same as item 2.1.6.

2.2.7 TEST RESULTS

Acceleromete alternative worst case:

TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak, 120 kHz
TESTED BY	Jace Hu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

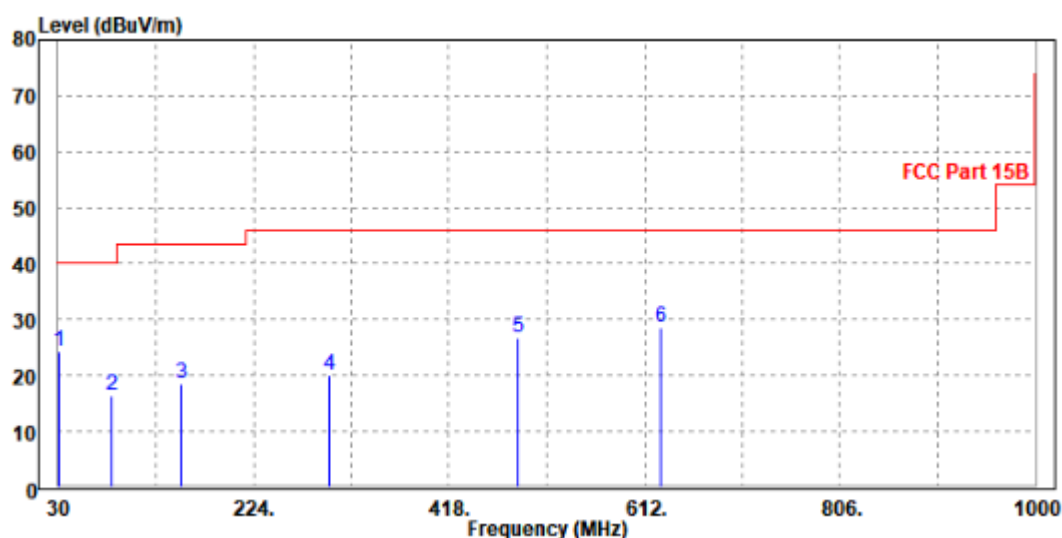
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1 PP	30.970	24.23	36.91	40.00	-15.77	-12.68	Peak	Horizontal
2	82.380	16.49	40.86	40.00	-23.51	-24.37	Peak	Horizontal
3	152.220	18.59	38.44	43.50	-24.91	-19.85	Peak	Horizontal
4	299.660	20.05	36.45	46.00	-25.95	-16.40	Peak	Horizontal
5	486.870	26.68	37.78	46.00	-19.32	-11.10	Peak	Horizontal
6	627.520	28.49	35.79	46.00	-17.51	-7.30	Peak	Horizontal

REMARKS: 1. Emission level(dBuV/m)=Read Value(dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)- Amplifier Gain

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

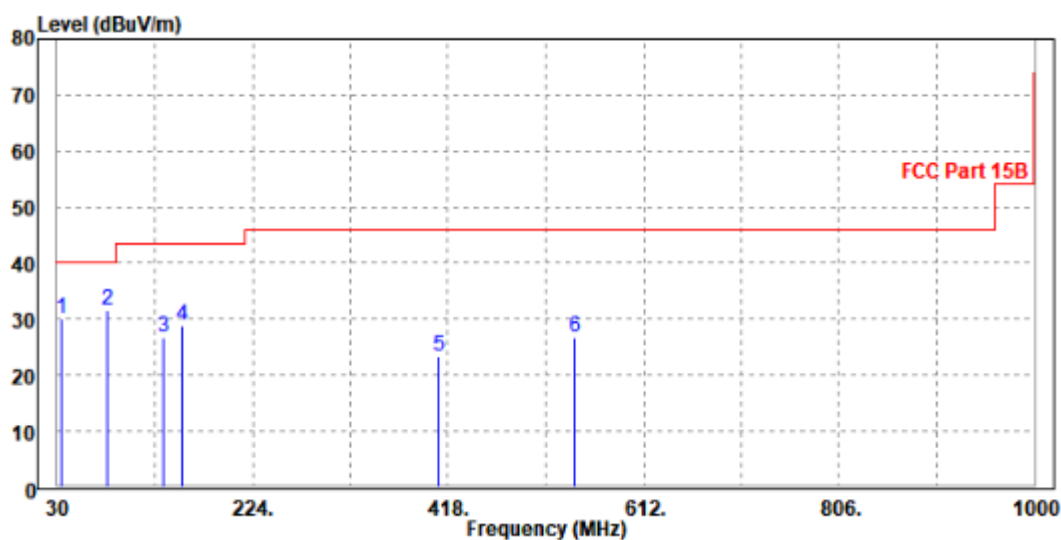


TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70% RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Quasi-Peak , 120 kHz
TESTED BY	Jace Hu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	34.850	30.13	44.62	40.00	-9.87	-14.49	Peak	Vertical
2 PP	80.440	31.78	55.94	40.00	-8.22	-24.16	Peak	Vertical
3	135.730	26.84	48.91	43.50	-16.66	-22.07	Peak	Vertical
4	154.160	28.96	48.22	43.50	-14.54	-19.26	Peak	Vertical
5	409.270	23.42	34.93	46.00	-22.58	-11.51	Peak	Vertical
6	544.100	26.79	34.71	46.00	-19.21	-7.92	Peak	Vertical

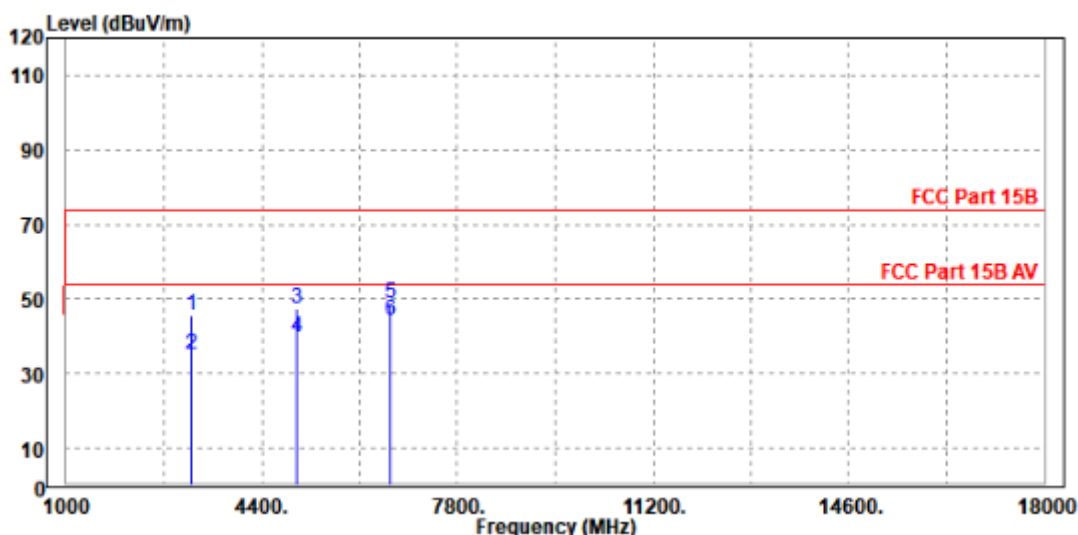
- REMARKS:**
1. Emission level(dBuV/m)=Read Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) -Amplifier Gain
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.



TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz
TESTED BY	Jace Hu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
3176	45.81	49.35	74	-28.19	33.67	8.76	45.97	100	110	Peak
3176	35.2	38.74	54	-18.8	33.67	8.76	45.97	100	110	Average
5012	47.32	48.96	74	-26.68	33.98	11.01	46.63	100	70	Peak
5012	39.85	41.49	54	-14.15	33.98	11.01	46.63	100	70	Average
6627	48.77	47.52	74	-25.23	35.2	12.55	46.5	100	360	Peak
6627	44.06	42.81	54	-9.94	35.2	12.55	46.5	100	360	Average

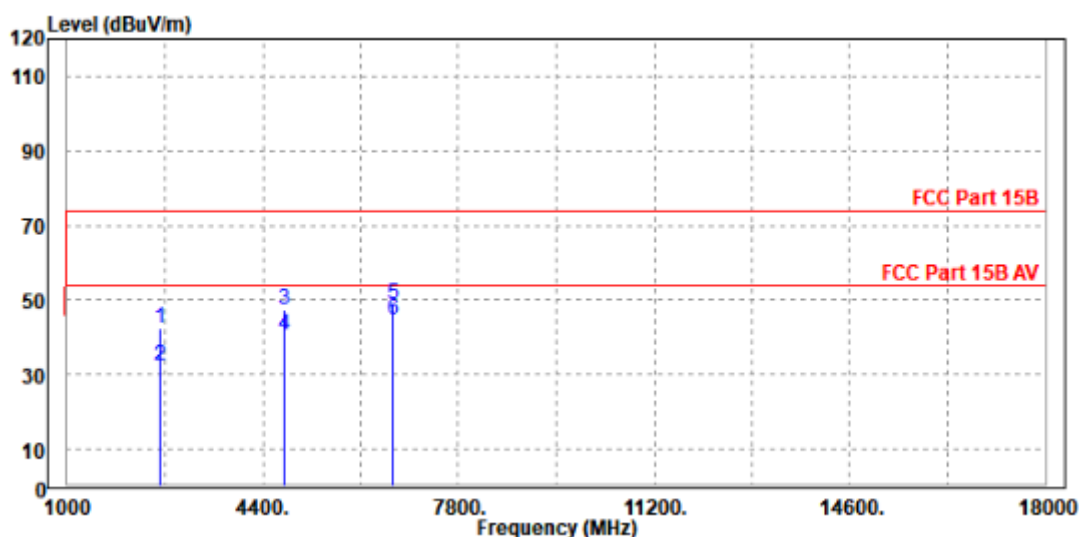
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 1GHz to 5th harmonic of the highest frequency or 40GHz, whichever is lower .For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.
 4. Only emissions significantly above equipment noise floor are reported.



TEST VOLTAGE	Input 120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70 %RH	DETECTOR FUNCTION & RESOLUTION BANDWIDTH	Peak/Average, 1 MHz
TESTED BY	Jace Hu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
2598	42.43	47.3	74	-31.57	33.16	8.04	46.07	100	265	Peak
2598	32.59	37.46	54	-21.41	33.16	8.04	46.07	100	265	Average
4757	47.24	49	74	-26.76	33.98	10.72	46.46	100	70	Peak
4757	40.61	42.37	54	-13.39	33.98	10.72	46.46	100	70	Average
6661	48.92	47.6	74	-25.08	35.26	12.57	46.51	100	144	Peak
6661	44.74	43.42	54	-9.26	35.26	12.57	46.51	100	144	Average

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 1GHz to 5th harmonic of the highest frequency or 40GHz, whichever is lower .For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.
 4. Only emissions significantly above equipment noise floor are reported.



3 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

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