



FCC EMC Test Report

FCC ID: 2AUCY-V2543A

Project No. : 2602C252A
Equipment : Mobile Phone
Brand Name : vivo
Model Name : V2543
Applicant : vivo Mobile Communication Co., Ltd.
Address : No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Manufacturer : vivo Mobile Communication Co., Ltd.
Address : No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Date of Receipt : Jun. 05, 2026
Date of Test : Jun. 08, 2026 ~ Jun. 26, 2026
Issued Date : Jul. 06, 2026
Test Sample : Engineering Sample No.: DG920260605167
Standard(s) : FCC CFR Title 47, Part 15, Subpart B

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCE-1-2602C252A	R00	Original Report.	Jul. 06, 2026	Valid

1. SUMMARY OF TEST RESULTS

Emission		
Standard(s)	Test Item	Result
FCC CFR Title 47,Part 15,Subpart B ANSI C63.4-2014	AC Power Line Conducted Emissions	PASS
	Radiated Emissions 30 MHz to 1 GHz	PASS
	Radiated Emissions Above 1 GHz	PASS

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$))

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGGDC01-1	CISPR	150kHz ~ 30MHz	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U_i (dB)
DGDLCB02 (3m)	CISPR	30MHz ~ 200MHz	V	4.96
		30MHz ~ 200MHz	H	4.80
		200MHz ~ 1,000MHz	V	5.22
		200MHz ~ 1,000MHz	H	4.80

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGDLCB02 (3m)	CISPR	1GHz ~ 6GHz	4.36
		6GHz ~ 18GHz	5.24

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGDLCB02 (1m)	CISPR	18 ~ 26.5 GHz	4.30
		26.5 ~ 40 GHz	4.74

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Tested By	Test Date
AC Power Line Conducted Emissions	25°C	54%	Hanson Zhou	Jun. 24, 2026
Radiated emissions 30 MHz to 1 GHz	23°C	50%	Felix Chen	Jun. 22, 2026
Radiated emissions above 1 GHz	23°C	50%	Felix Chen	Jun. 22, 2026

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone
Brand Name	vivo
Test Model	V2543
Model Name	V2543
Model Difference(s)	N/A
Hardware Version	MP_0.1
Software Version	PD2533F_EX_A_w.x.y.z.W30
Identification No. of EUT(S/N)	N/A
Component unit of EUT	☐ Single unit ☒ Multiple unit
Sample Status	☐ Engineering sample ☒ Final shipment prototype
Power Source	1# DC voltage supplied from AC adapter. 2# Supplied from battery. 3# Supplied from USB port.
Power Rating	1# I/P: 100-240V~ 50/60Hz, 1.1A O/P: 5V === 3A OR 9V === 2A OR 11V === 4A 2# DC 3.92V, 7060mAh, 27.68Wh 3# DC 5V
Connecting I/O Port(s)	1* Type-C port 2* SIM Card port
Classification of EUT	Class B
Highest Internal Frequency(Fx)	5850MHz

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. The EUT contains following accessory devices:

Items	Trademark	Model Name	Description
Adapter	vivo	V4440L0A0-US	I/P: 100-240V~ 50/60Hz, 1.1A O/P: 5V === 3A OR 9V === 2A OR 11V === 4A
Battery	vivo	BB45	DC 3.92V, 7060mAh, 27.68Wh
USB-C Cable	vivo	BK-C-49-B	-

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Adapter+Traffic WCDMA +Video Play+Speaker+2.4G WIFI+BT+GPS+SIM1 Card+SIM2 Card+NFC Active
Mode 2	Adapter+Traffic LTE + Video Play+Speaker+2.4G WIFI+BT+GPS+SIM1 Card+SIM2 Card+NFC Active
Mode 3	Adapter+Traffic GSM+ Video Play+Speaker+2.4G WIFI+BT+GPS+SIM1 Card+SIM2 Card+NFC Active
Mode 4	Adapter+Camera on(Front)+ Flashlight On +2.4G WIFI+BT+GPS+ Traffic LTE + SIM1 Card+SIM2 Card+NFC Active
Mode 5	Adapter+Camera on(Rear)+ Flashlight On +5G WIFI+BT+ GPS+ Traffic LTE + SIM1 Card+SIM2 Card+NFC Active
Mode 6	Battery + Video Play+ Earphone +2.4G WIFI+BT+ GPS+ Traffic LTE + SIM1 Card+SIM2 Card+NFC Active
Mode 7	USB Copy with PC
Mode 8	Standby

AC Power Line Conducted Emissions Test	
Final Test Mode	Description
Mode 2	Adapter+Traffic LTE + Video Play+Speaker+2.4G WIFI+BT+GPS+SIM1 Card+SIM2 Card+NFC Active

Radiated Emissions 30 MHz to 1 GHz Test	
Final Test Mode	Description
Mode 1	Adapter+Traffic WCDMA +Video Play+Speaker+2.4G WIFI+BT+GPS+SIM1 Card+SIM2 Card+NFC Active

Radiated emissions above 1 GHz Test	
Final Test Mode	Description
Mode 5	Adapter+Camera on(Rear)+ Flashlight On +5G WIFI+BT+ GPS+ Traffic LTE + SIM1 Card+SIM2 Card+NFC Active

Note:

1. Pretested Mode 1-Mode 8, the worst case is recorded.
2. The product supports BT&2.4G&5G WIFI&2G&3G&4G function.
3. Radiated emission tested with filters.

2.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:

Mode 1, Mode 3:

1. Battery is plugged into EUT for working.
2. EUT connected to Adapter via USB-C Cable.
3. The SIM Cards was plugged into EUT.
4. EUT connected to Wireless Communication Test SET via WCDMA/GSM.
5. EUT connected to Signal Generator via GPS.
6. EUT connected to IPOD Touch via BT.
7. EUT connected to Router via 2.4G WIFI.

Mode 2:

1. Battery is plugged into EUT for working.
2. EUT connected to Adapter via USB-C Cable.
3. The SIM Cards was plugged into EUT.
4. EUT connected to IPOD Touch via BT.
5. EUT connected to Router via 2.4G WIFI.
6. EUT connected to Signal Generator via GPS.
7. EUT connected to Wideband Radio Communication Tester via LTE.

Mode 4-Mode 5:

1. Battery is plugged into EUT for working.
2. EUT connected to Adapter via USB-C Cable.
3. The SIM Cards was plugged into EUT.
4. EUT connected to IPOD Touch via BT.
5. EUT connected to Router via 2.4G WIFI or 5G WIFI.
6. EUT connected to Signal Generator via GPS.
7. EUT connected to Wideband Radio Communication Tester via LTE.

Mode 6, Mode 8:

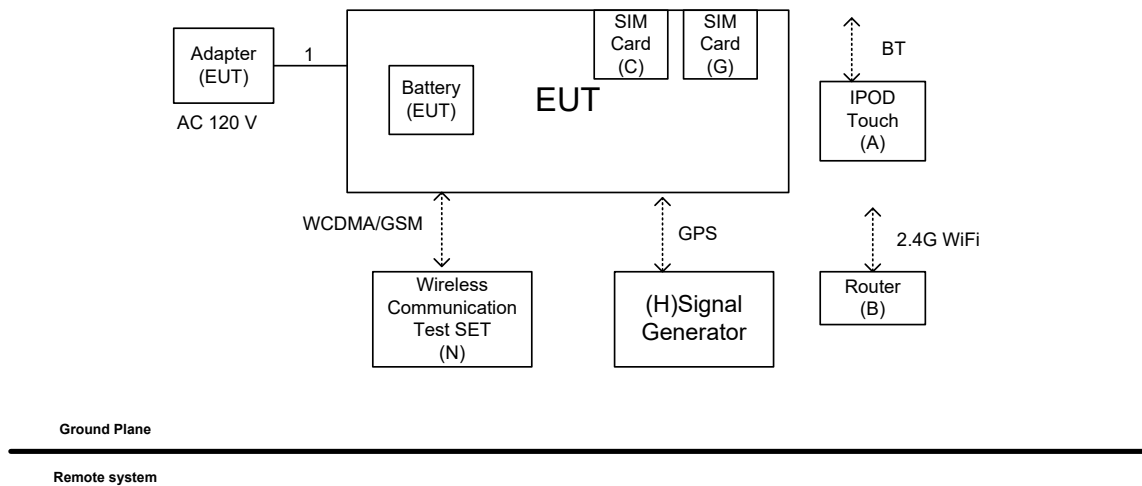
1. Battery is plugged into EUT for working.
2. The SIM Cards was plugged into EUT.
3. EUT connected to IPOD Touch via BT.
4. EUT connected to Router via 2.4G WIFI.
5. EUT connected to Signal Generator via GPS.
6. EUT connected to Wideband Radio Communication Tester via LTE.
7. EUT connected to Earphone via Earphone Cable.

Mode 7:

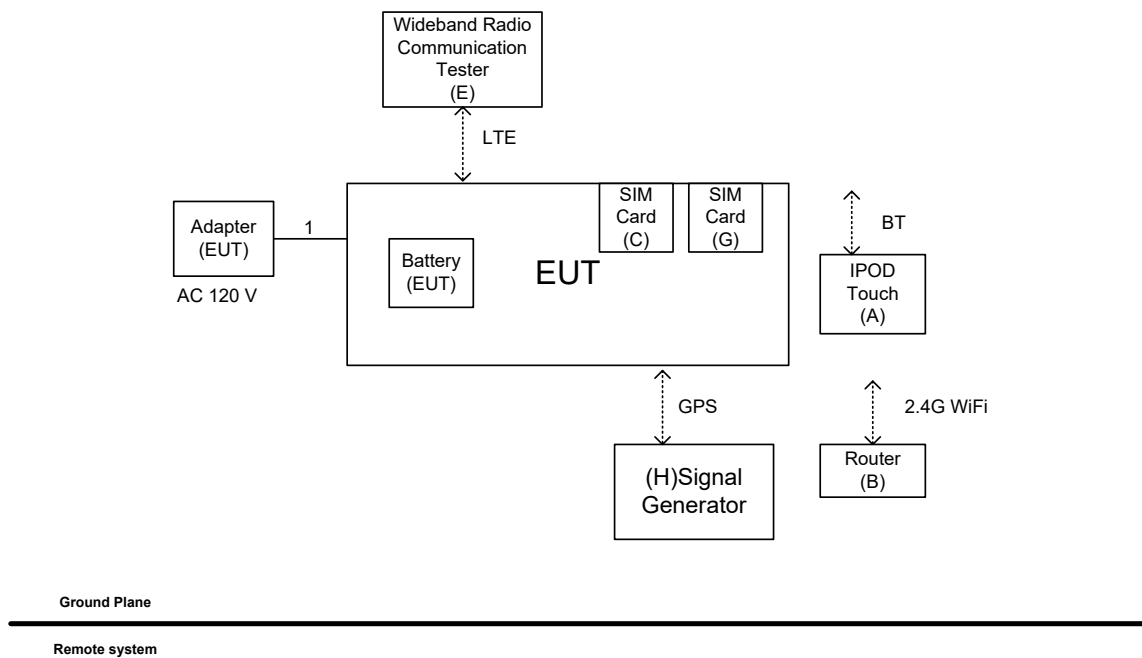
1. Battery is plugged into EUT for working.
2. The SIM Cards was plugged into EUT.
3. EUT connected to IPOD Touch via BT.
4. EUT connected to Router via 2.4G WIFI.
5. EUT connected to Signal Generator via GPS.
6. EUT connected to PC via USB-C Cable.
7. Mouse, Keyboard, Printer and HDD connected to PC via USB Cable
8. Monitor connected to PC via HDMI Cable

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

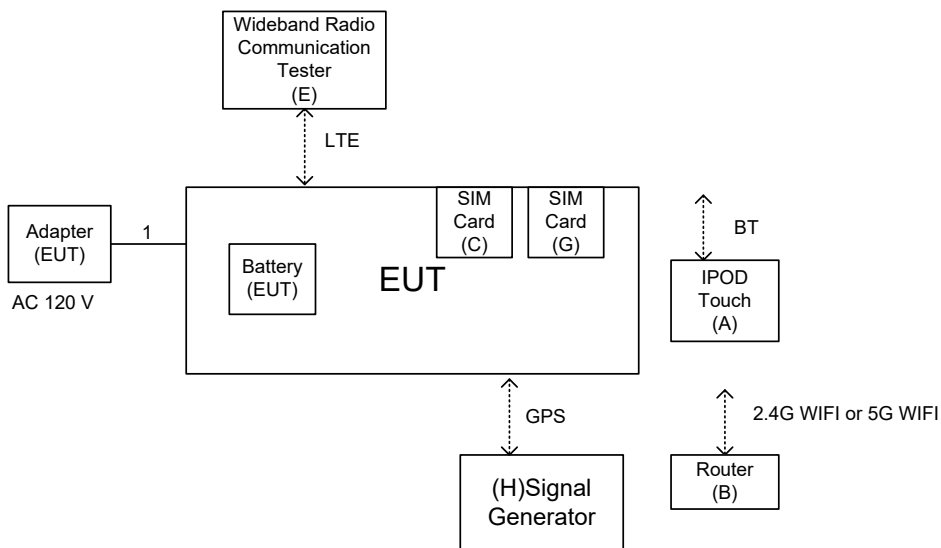
Mode 1, Mode 3



Mode 2



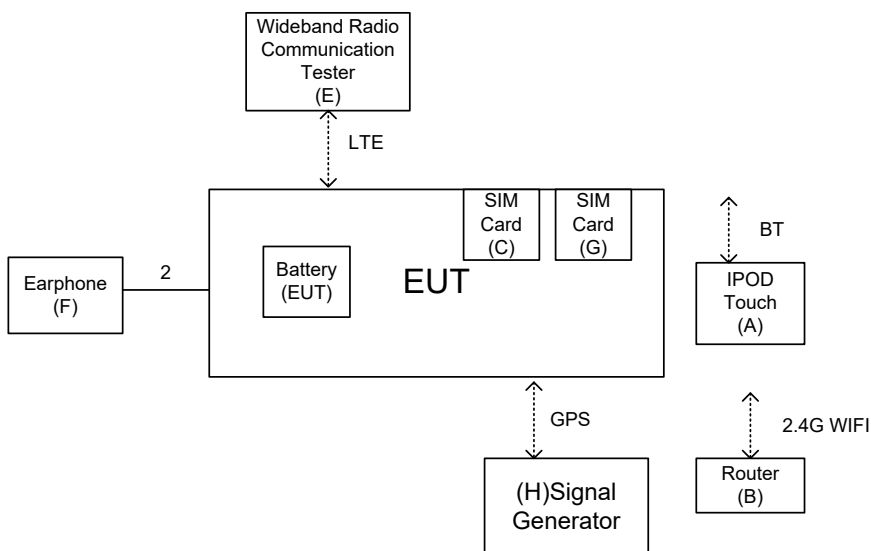
Mode 4-Mode 5



Ground Plane

Remote system

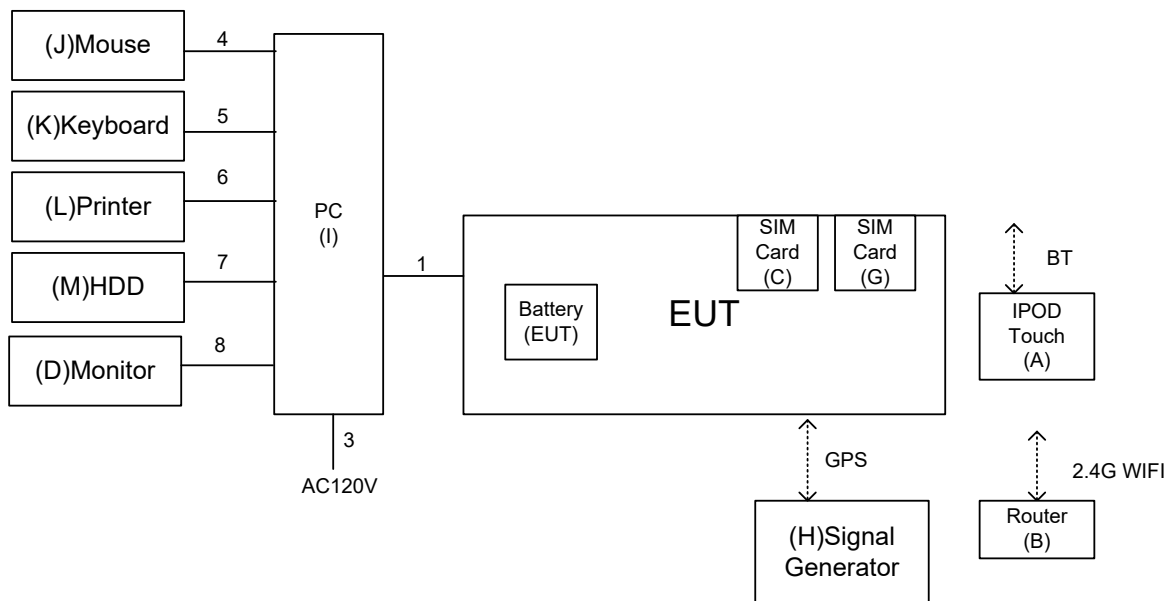
Mode 6, Mode 8



Ground Plane

Remote system

Mode 7



Ground Plane

Remote system

2.5 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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
A	IPOD Touch	APPLE	A1574	CCQTJ1N3GGK8
B	Router	ASUS	RT-AC66U	E8ICGG000138
C	SIM Card	RS	CMW500	N/A
D	Monitor	LENOVO	A18270UX0	VKW39673
E	Wideband Radio Communication Tester	RS	CMW500	122125
F	Earphone	OPPO	Reno	N/A
G	SIM Card	RS	CMW500	N/A
H	Signal Generator	Agilent	E4438C	MY49071316
I	PC	DELL	8920-D16N8S	GZS91L2
J	Mouse	DELL	MS111-P	CN011D3V71581279OLOT
K	Keyboard	DELL	KB212-B	CN0HTXH97158125004DXA01
L	Printer	Lenovo	M630	SP00335371
M	HDD	WD	WDBYVG0010BBK-CESN	WX12A931ESJ2
N	Wireless Communication Test Set	Agilent	(8960 series)E5515C	MY48364189

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB-C Cable	YES	NO	0.98m
2	Earphone Cable	NO	NO	1.5m
3	AC Cable	NO	NO	1.8m
4	USB Cable	YES	NO	1.2m
5	USB Cable	YES	NO	1.2m
6	USB Cable	YES	NO	1.5m
7	USB Cable	YES	NO	1.5m
8	HDMI Cable	YES	NO	1.8m

3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1.1 LIMIT

Frequency of Emission (MHz)	Class B (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.5 - 5	56	46
5 - 30	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

3.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Nov. 21, 2026
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Nov. 21, 2026
3	Measurement Software	BTL	EMI	N/A	N/A
4	Cable	RW	SFT205-NMM M-9M-001	9M	Jul. 08, 2026

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

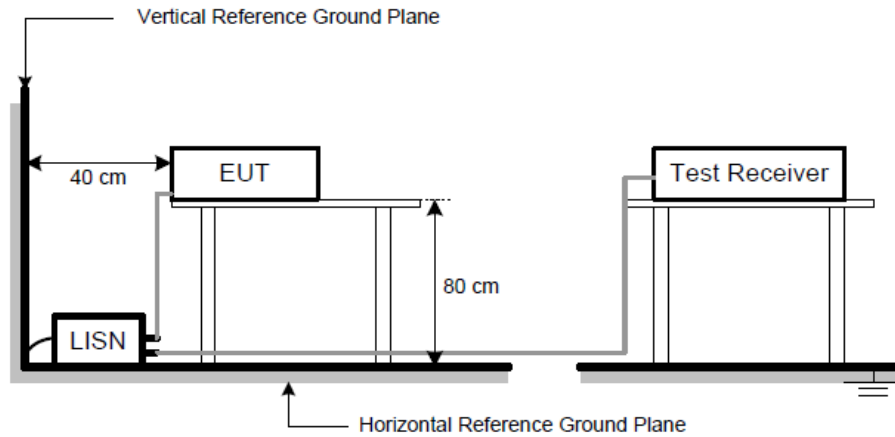
3.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.
- f. Measuring frequency range from 150KHz to 30MHz.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

3.1.5 TEST SETUP

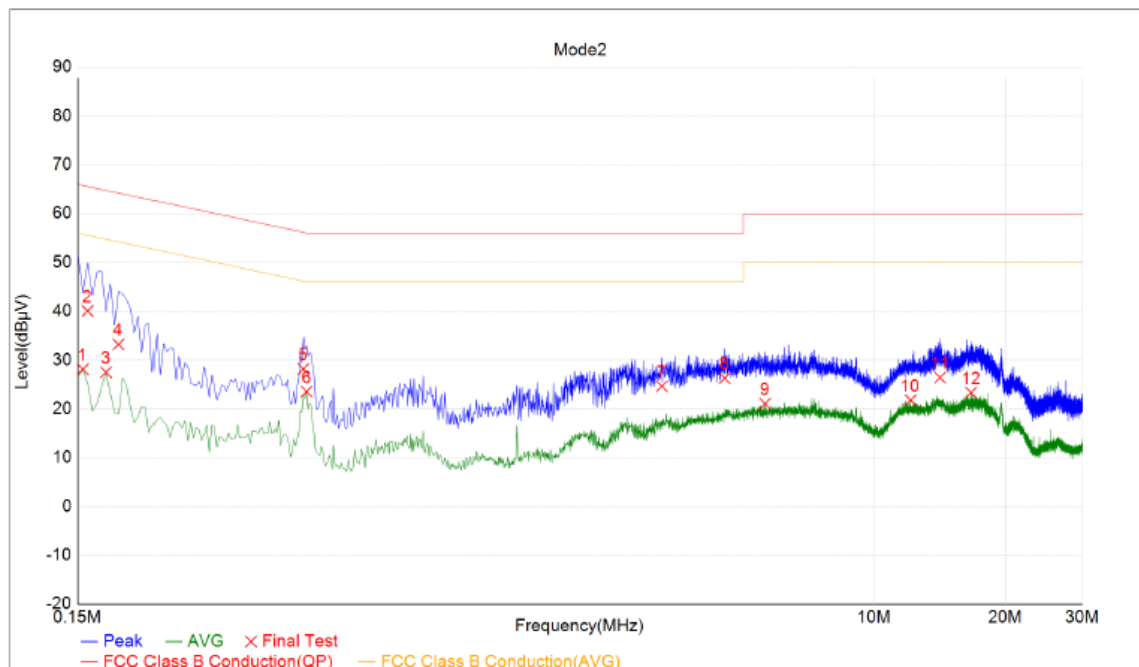


3.1.6 TEST RESULTS

Remark:

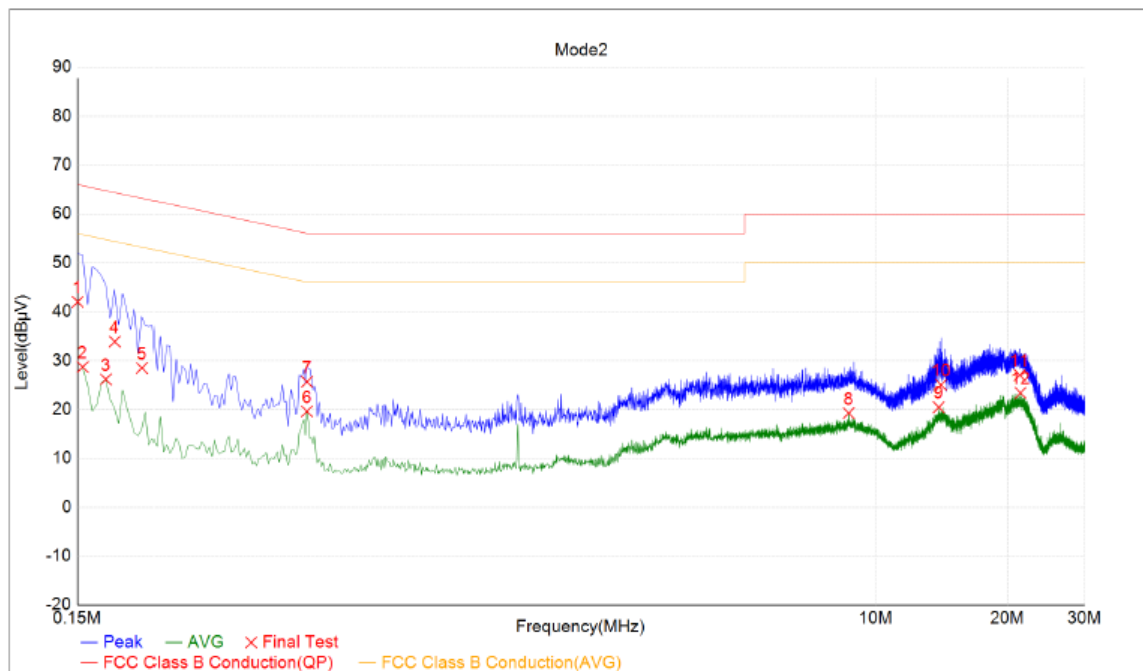
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.3 sec./MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “*” marked in AVG Mode column of Interference Voltage Measured.

Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Mode 2		



Suspected Note List									
	NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content
	1	0.154	17.76	10.37	28.13	55.78	-27.65	AVG	
	2	0.1579	29.71	10.37	40.08	65.57	-25.49	QP	
	3	0.174	17.12	10.38	27.5	54.77	-27.26	AVG	
	4	0.1858	22.83	10.39	33.22	64.21	-31	QP	
	5	0.4898	17.71	10.48	28.19	56.17	-27.98	QP	
*	6	0.498	13.09	10.48	23.57	46.03	-22.46	AVG	
	7	3.2536	13.88	10.77	24.65	56	-31.35	QP	
	8	4.5302	15.3	11.01	26.31	56	-29.69	QP	
	9	5.61	9.9	11.17	21.06	50	-28.94	AVG	
	10	12.098	9.49	12.3	21.79	50	-28.21	AVG	
	11	14.1335	13.56	12.87	26.43	60	-33.57	QP	
	12	16.654	9.79	13.53	23.32	50	-26.68	AVG	

Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Mode 2		



Suspected Note List									
	NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content
*	1	0.15	31.61	10.42	42.02	66	-23.98	QP	
	2	0.154	18.27	10.42	28.69	55.78	-27.1	AVG	
	3	0.174	15.75	10.43	26.17	54.77	-28.59	AVG	
	4	0.1823	23.45	10.43	33.88	64.39	-30.51	QP	
	5	0.2104	18.05	10.44	28.49	63.21	-34.71	QP	
	6	0.498	9.11	10.51	19.62	46.03	-26.41	AVG	
	7	0.4982	15.16	10.51	25.67	56.03	-30.36	QP	
	8	8.65	7.65	11.61	19.26	50	-30.74	AVG	
	9	13.898	7.45	13	20.45	50	-29.55	AVG	
	10	14.0701	11.98	13.05	25.03	60	-34.97	QP	
	11	21.3056	12.25	14.78	27.03	60	-32.97	QP	
	12	21.386	8.59	14.79	23.39	50	-26.61	AVG	

3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ

3.2.1 LIMIT

Frequency (MHz)	Class B (at 3m)	
	($\mu\text{V/m}$) Quasi-peak	(dB $\mu\text{V/m}$) Quasi-peak
30 - 88	100	40.00
88 - 216	150	43.52
216 - 960	200	46.02
960 - 1000	500	53.97

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dB $\mu\text{V/m}$) = $20\log$ Emission level (Uv/m).
3m Emission level = 10m Emission level + $20\log(10\text{m}/3\text{m})$.
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain(if use)
Margin Level = Measurement Value – Limit Value

3.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Preamplifier	EMC INSTRUMENT	EMC001330	980989	Apr. 25, 2027
2	Cable	RW	LMR-400(30MHz-1GHz)(10m+2.5m+0.8M)	N/A	Mar. 30, 2027
3	Controller	MF	MF-7802BS	N/A	N/A
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	EMI Test Receiver	Keysight	N9038A	MY56400060	Nov. 21, 2026
6	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	Feb. 02, 2027
7	Attenuator	SHX	TS2-6-6-A	240124196	Feb. 02, 2027

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

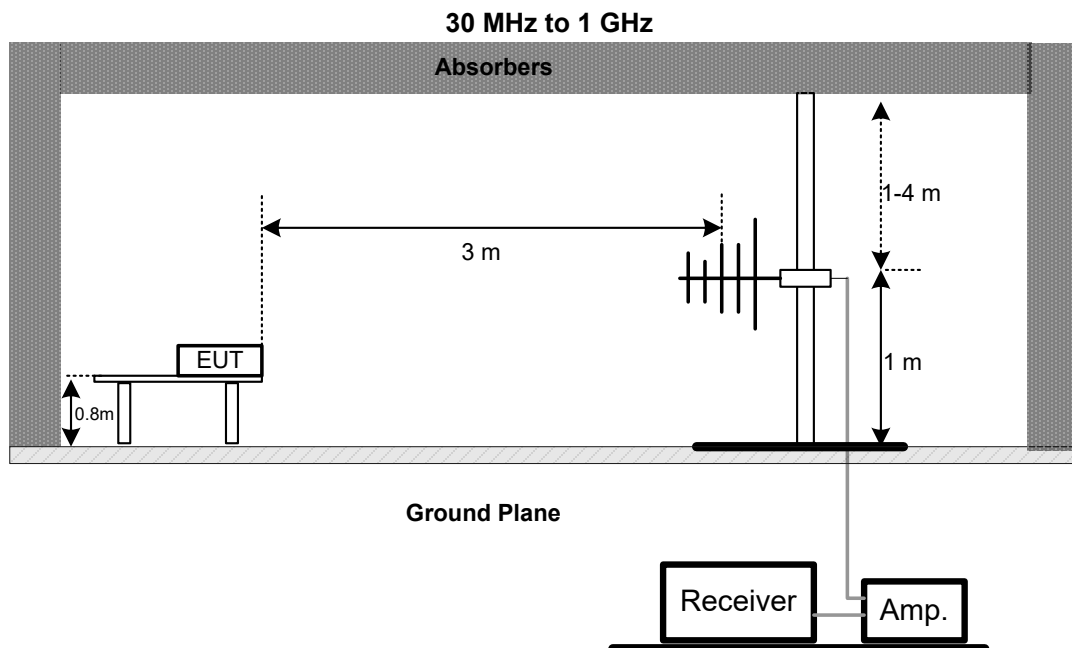
3.2.3 TEST PROCEDURE

- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- For the actual test configuration, please refer to the related Item – EUT Test Photos.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation

3.2.5 TEST SETUP

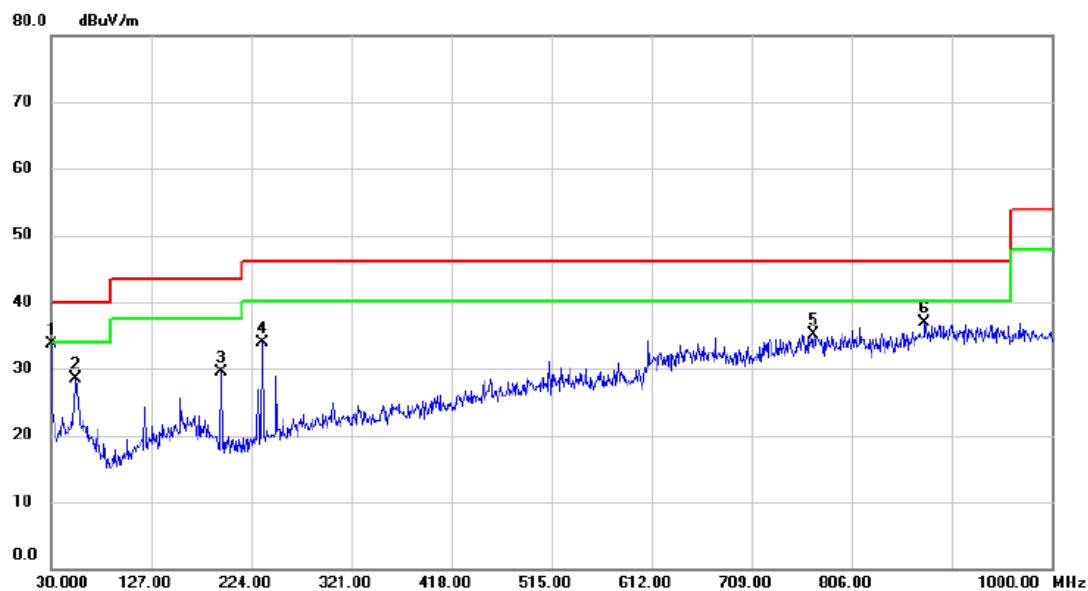


3.2.6 TEST RESULTS

Remark:

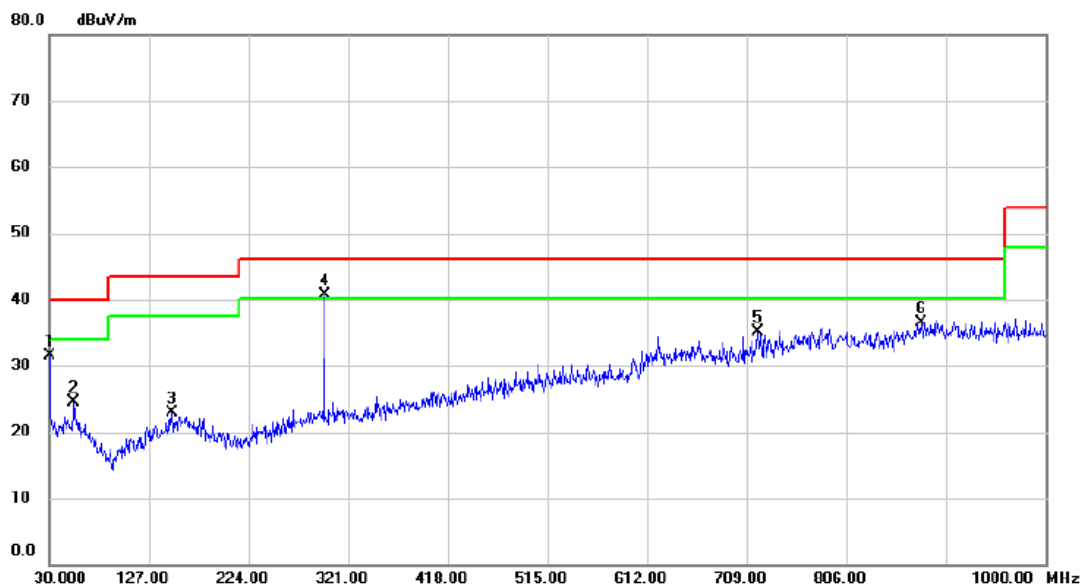
- (1) Measuring frequency range from 30 MHz to 1000 MHz
- (2) If the peak scan value lower limit more than 20 Db, then this signal data does not show in table.

Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.0000	46.55	-12.87	33.68	40.00	-6.32	peak	
2		54.2500	40.39	-11.80	28.59	40.00	-11.41	peak	
3		194.9000	43.70	-14.18	29.52	43.52	-14.00	peak	
4		234.6700	47.40	-13.45	33.95	46.02	-12.07	peak	
5		769.1400	35.47	-0.38	35.09	46.02	-10.93	peak	
6		876.8100	35.74	1.08	36.82	46.02	-9.20	peak	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		30.0000	44.33	-12.87	31.46	40.00	-8.54	peak	
2		54.2500	36.32	-11.80	24.52	40.00	-15.48	peak	
3		149.3100	34.45	-11.57	22.88	43.52	-20.64	peak	
4	*	297.7200	51.32	-10.62	40.70	46.02	-5.32	peak	
5		719.6700	36.87	-1.68	35.19	46.02	-10.83	peak	
6		878.7500	35.37	1.14	36.51	46.02	-9.51	peak	

3.3 RADIATED EMISSIONS ABOVE 1 GHZ

3.3.1 LIMIT

Frequency (MHz)	Class B	
	(dB μ V/m) (at 3m)	
	Peak	Average
Above 1000	74	54

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest internal frequency (F _x)	Highest measurement frequency (F _M)
F _x ≤ 108 MHz	1 GHz
108 MHz < F _x ≤ 500 MHz	2 GHz
500 MHz < F _x ≤ 1 GHz	5 GHz
F _x > 1 GHz	5 x F _x up to a maximum of 40 GHz
Note: F _x is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test.	

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dB μ V/m) = 20log Emission level (U_v/m).
1m Emission level = 3m Emission level + 20log(3m/1m).
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain(if use)
Margin Level = Measurement Value – Limit Value

3.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Horn Antenna	ARA	DRG-118A	16554	May 24, 2027
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	9801002	Apr. 25, 2027
3	Cable	EMC INSTRUMENT	EMC104-SM-SM-1000	140911	Jun. 16, 2027
4	Controller	MF	MF-7802BS	N/A	N/A
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	EMI Test Receiver	Keysight	N9038A	MY56400060	Nov. 21, 2026
7	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	1227	Oct. 07, 2026
8	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Nov. 09, 2026
9	MXA Signal Analyzer	Keysight	N9020B	MY65200115	Jul. 20, 2026
10	Cable	RegalWay	RWLP50-2.6A-2.92M2.92 M-1.1M	N/A	Jul. 23, 2026
11	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 23, 2026

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

3.3.3 TEST PROCEDURE

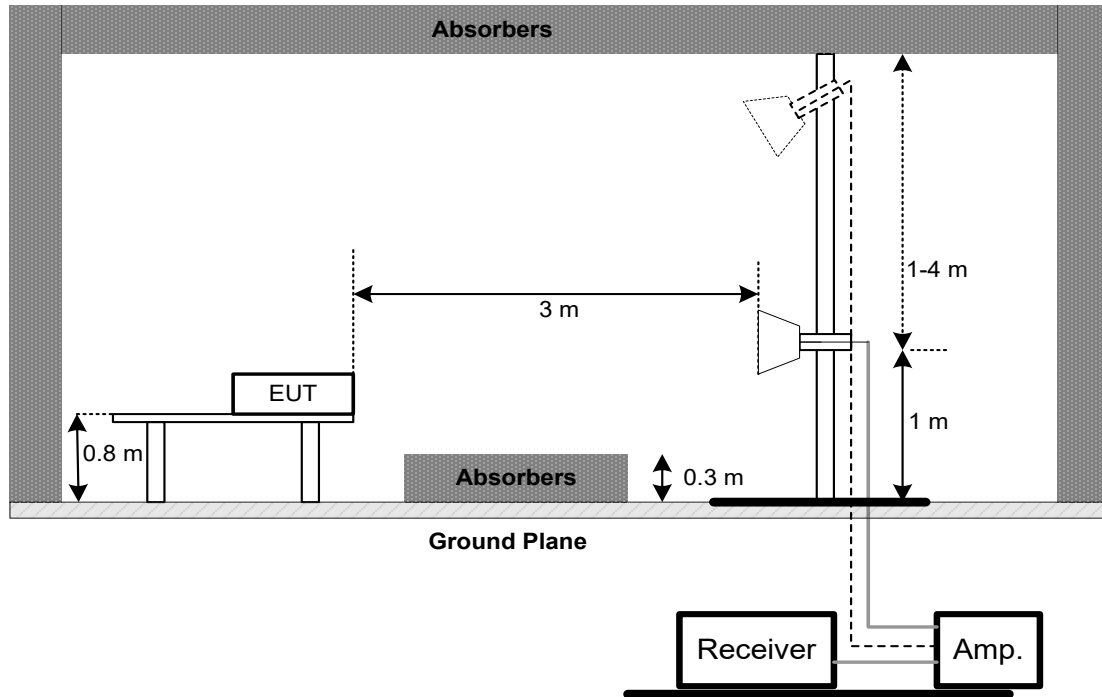
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then AVG detector mode re-measured.
- e. The 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.
- f. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform.
- g. For the actual test configuration, please refer to the related Item – EUT Test Photos.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation

3.3.5 TEST SETUP

Above 1 GHz

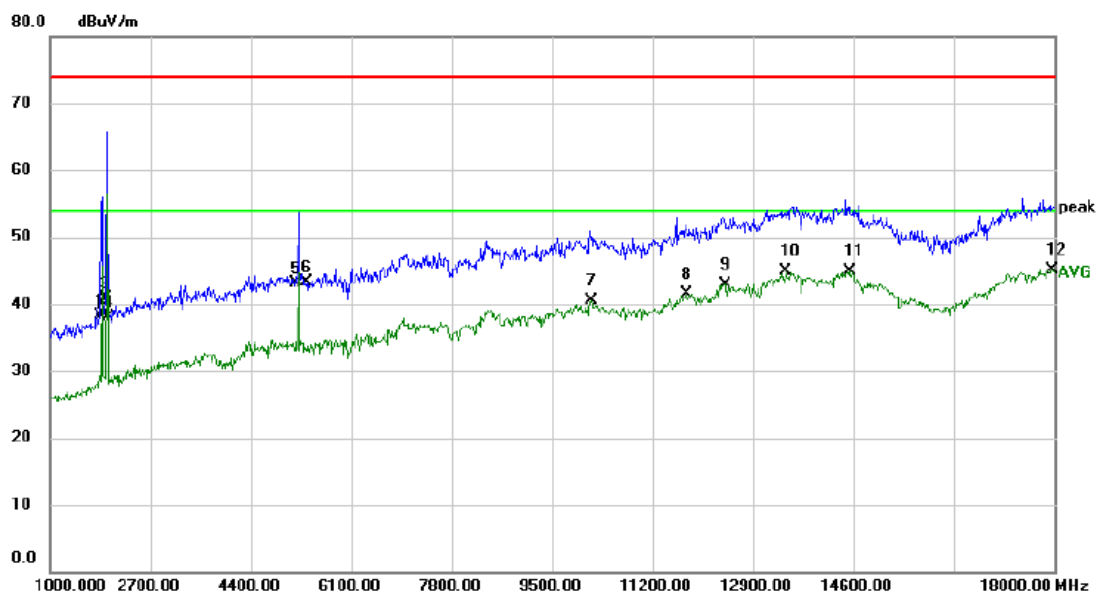


3.3.6 TEST RESULTS

Remark:

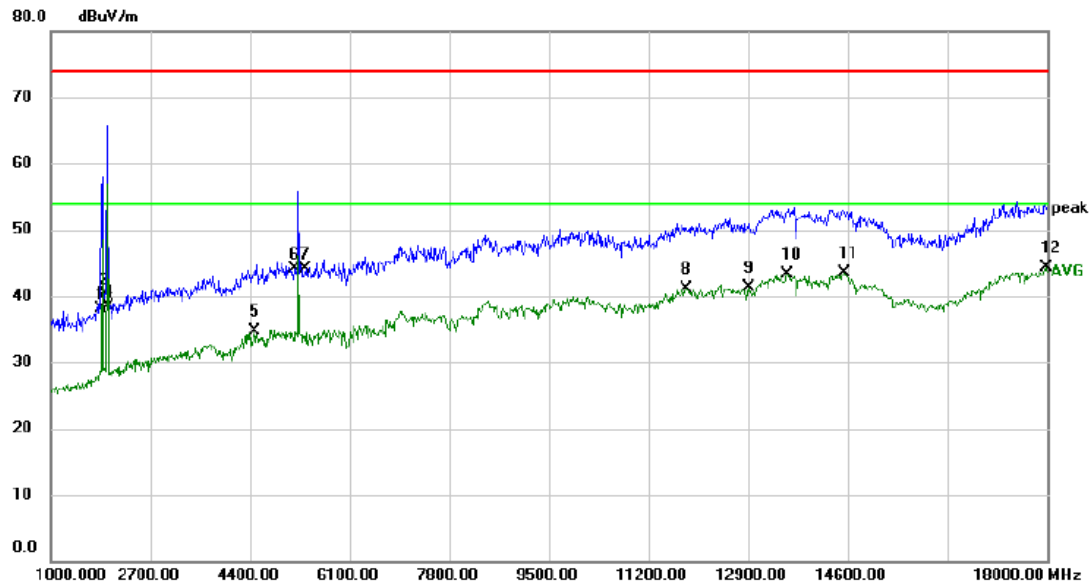
- (1) Radiated emissions measured in frequency range above 1000 MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (2) Data of measurement within this frequency range shown “*” in the table above means the reading of emissions are attenuated more than 20 Db below the permissible limits or the field strength is too small to be measured.
- (3) A preamp was used for this test in order to provide sufficient measurement sensitivity.

Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Mode 5		
Note	5G WIFI(5150-5350MHz) and LTE (Uplink: 1850-1910 MHz, Downlink: 1930-1990 MHz) are intentional transmissions, which are not applicable to the radiation emission requirements in this standard.		



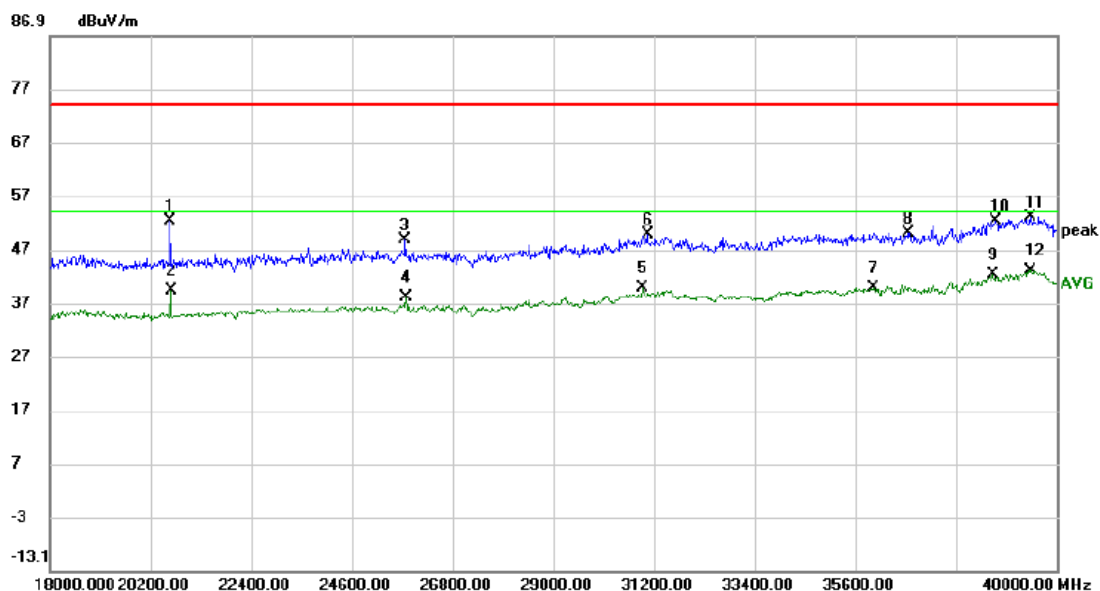
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1850.000	40.80	-2.55	38.25	74.00	-35.75	peak	
2		1910.000	40.67	-2.21	38.46	74.00	-35.54	peak	
3		1930.000	42.92	-2.09	40.83	74.00	-33.17	peak	
4		1990.000	39.91	-1.75	38.16	74.00	-35.84	peak	
5		5150.000	36.65	6.49	43.14	74.00	-30.86	peak	
6		5350.000	36.66	6.61	43.27	74.00	-30.73	peak	
7		10163.00	28.66	11.86	40.52	54.00	-13.48	AVG	
8		11778.00	29.59	11.96	41.55	54.00	-12.45	AVG	
9		12424.00	31.02	11.93	42.95	54.00	-11.05	AVG	
10		13461.00	31.17	13.71	44.88	54.00	-9.12	AVG	
11		14532.00	31.58	13.29	44.87	54.00	-9.13	AVG	
12	*	17966.00	31.75	13.44	45.19	54.00	-8.81	AVG	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Mode 5		
Note	5G WIFI(5150-5350MHz) and LTE (Uplink: 1850-1910 MHz, Downlink: 1930-1990 MHz) are intentional transmissions, which are not applicable to the radiation emission requirements in this standard.		



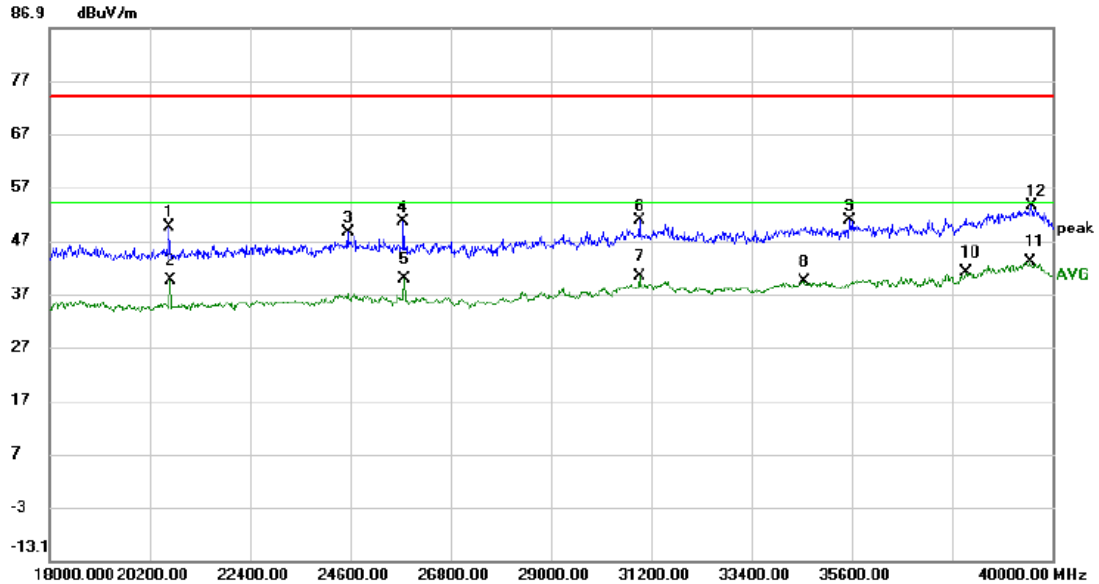
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	1850.000	40.63	-2.55	38.08	74.00	-35.92	peak	
2	1910.000	42.61	-2.21	40.40	74.00	-33.60	peak	
3	1930.000	42.43	-2.09	40.34	74.00	-33.66	peak	
4	1990.000	40.33	-1.75	38.58	74.00	-35.42	peak	
5	4468.000	29.07	5.59	34.66	54.00	-19.34	AVG	
6	5150.000	37.52	6.49	44.01	74.00	-29.99	peak	
7	5350.000	37.50	6.61	44.11	74.00	-29.89	peak	
8	11846.00	29.11	12.01	41.12	54.00	-12.88	AVG	
9	12908.50	29.33	11.88	41.21	54.00	-12.79	AVG	
10	13563.00	29.78	13.61	43.39	54.00	-10.61	AVG	
11	14549.00	30.20	13.23	43.43	54.00	-10.57	AVG	
12 *	17983.00	30.80	13.45	44.25	54.00	-9.75	AVG	

Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Mode 5		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		20629.00	68.32	-16.14	52.18	74.00	-21.82	peak	
2		20640.00	55.52	-16.13	39.39	54.00	-14.61	AVG	
3		25766.00	61.63	-12.78	48.85	74.00	-25.15	peak	
4		25788.00	50.75	-12.79	37.96	54.00	-16.04	AVG	
5		30947.00	50.73	-10.84	39.89	54.00	-14.11	AVG	
6		31057.00	60.48	-10.73	49.75	74.00	-24.25	peak	
7		35996.00	50.25	-10.49	39.76	54.00	-14.24	AVG	
8		36766.00	60.19	-10.08	50.11	74.00	-23.89	peak	
9		38603.00	49.82	-7.64	42.18	54.00	-11.82	AVG	
10		38669.00	59.90	-7.58	52.32	74.00	-21.68	peak	
11		39428.00	59.86	-6.73	53.13	74.00	-20.87	peak	
12	*	39428.00	49.67	-6.73	42.94	54.00	-11.06	AVG	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Mode 5		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		20629.00	65.65	-16.14	49.51	74.00	-24.49	peak	
2		20640.00	55.66	-16.13	39.53	54.00	-14.47	AVG	
3		24545.00	61.06	-12.57	48.49	74.00	-25.51	peak	
4		25766.00	63.21	-12.78	50.43	74.00	-23.57	peak	
5		25788.00	52.49	-12.79	39.70	54.00	-14.30	AVG	
6		30947.00	61.58	-10.84	50.74	74.00	-23.26	peak	
7		30947.00	51.09	-10.84	40.25	54.00	-13.75	AVG	
8		34566.00	49.83	-10.51	39.32	54.00	-14.68	AVG	
9		35567.00	61.01	-10.34	50.67	74.00	-23.33	peak	
10		38108.00	49.47	-8.48	40.99	54.00	-13.01	AVG	
11	*	39505.00	49.60	-6.66	42.94	54.00	-11.06	AVG	
12		39549.00	60.37	-6.80	53.57	74.00	-20.43	peak	

End of Test Report