

FCC EMC Test Report

FCC ID: QISLYA-L0C

Project No. : 2004C059
Equipment : Smart Phone
Brand Name : HUAWEI
Test Model : LYA-L0C
Series Model : N/A
Applicant : Huawei Technologies Co., Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Manufacturer : Huawei Technologies Co., Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Date of Receipt : Apr. 10, 2020
Date of Test : Apr. 11, 2020 ~ Apr. 14, 2020
Issued Date : May 08, 2020
Report Version : R01
Test Sample : Engineering Sample No.: DG2020041038
Standard(s) : FCC Part 15, Subpart B

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

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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).

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** 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.

Table of Contents	Page
REPORT ISSUED HISTORY	4
1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
1.3 TEST ENVIRONMENT CONDITIONS	6
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST MODES	10
2.3 EUT OPERATING CONDITIONS	11
2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
2.5 DESCRIPTION OF SUPPORT UNITS	11
3 . EMC EMISSION TEST	12
3.1 AC POWER LINE CONDUCTED EMISSIONS TEST	12
3.1.1 LIMIT	12
3.1.2 MEASUREMENT INSTRUMENTS LIST	12
3.1.3 TEST PROCEDURE	13
3.1.4 DEVIATION FROM TEST STANDARD	13
3.1.5 TEST SETUP	13
3.1.6 TEST RESULTS	13
3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ	16
3.2.1 LIMIT	16
3.2.2 MEASUREMENT INSTRUMENTS LIST	16
3.2.3 TEST PROCEDURE	16
3.2.4 DEVIATION FROM TEST STANDARD	17
3.2.5 TEST SETUP	17
3.2.6 TEST RESULTS	17
3.3 RADIATED EMISSIONS ABOVE 1 GHZ	20
3.3.1 LIMIT	20
3.3.2 MEASUREMENT INSTRUMENTS LIST	20
3.3.3 TEST PROCEDURE	21
3.3.4 DEVIATION FROM TEST STANDARD	21
3.3.5 TEST SETUP	21
3.3.6 TEST RESULTS	22

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Compared with original report (SYBH(Z-EMC)20180808003001-2), Model LYA-L0C added BT UHD function by upgrade software. So all the test items for BT UHD are evaluated with the worst config and recorded.	Apr. 17, 2020
R01	Removed the test photos.	May 08, 2020

1. SUMMARY OF TEST RESULTS

Emission		
Ref Standard(s)	Test Item	Result
ANSI C63.4-2014	AC Power Line Conducted Emissions	PASS
	Radiated Emissions 30 MHz to 1 GHz	PASS
	Radiated Emissions Above 1 GHz	PASS

NOTE:

- (1) "N/A" denotes test is not applicable to this device.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

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,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB02 (3m)	CISPR	30MHz ~ 200MHz	V	4.56
		30MHz ~ 200MHz	H	3.60
		200MHz ~ 1,000MHz	V	4.16
		200MHz ~ 1,000MHz	H	4.00

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB02 (3m)	CISPR	1GHz ~ 6GHz	4.38
		6GHz ~ 18GHz	5.36

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
AC Power Line Conducted Emissions	25°C	55%	Gatsby Wang
Radiated emissions 30 MHz to 1 GHz	25°C	60%	Albe Zhou
Radiated emissions above 1 GHz	25°C	60%	Albe Zhou

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Phone
Brand Name	HUAWEI
Test Model	LYA-L0C
Series Model	N/A
Model Difference(s)	N/A
Hardware Version	HL2LAYAM
Software Version	10.1.0.162(C792E8R1P5)
Work Frequency	Please refer to note 2.
Power Source	1# DC voltage supplied from AC/DC adapter. 2# Supplied from battery. 3# Supplied from USB port.
Power Rating	1# I/P: 100-240V ~50/60Hz, 1.2A O/P: 5V $\overline{\overline{=}}$ 2A OR 9V $\overline{\overline{=}}$ 2A OR 10V $\overline{\overline{=}}$ 4A 2# DC 3.82V, 4100mAh 3# DC 5V
Connecting I/O Port(s)	1* Type C port 1* SIM Card port
Classification of EUT	Class B
Highest Internal Frequency(Fx)	5850MHz

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Work Frequency:

Mode		Work Frequency	
		Transmitt Frequency(MHz)	Receive Frequency(MHz)
GNSS	BDS	/	1561.098±2.046
	GLONASS	/	1602+K*0.5625 (K=1~24)
	GPS	/	1575.42±1.023 1176.45±1.023
	A-GPS		1575.42±1.023
	Galileo		1575.42±1.023 1176.45±1.023
NFC		/	13.56
Wireless Charging		110kHz-148kHz	110kHz-148kHz
Bluetooth		2400-2483.5	2400-2483.5
2.4G WiFi	802.11b/g/n	2400-2483.5	2400-2483.5
5G WiFi	802.11a/n/ac	5150-5350 5470-5725 5725-5850	5150-5350 5470-5725 5725-5850
GSM	GSM 850	824-849	869-894
	PCS 1900	1850-1910	1930-1990
WCDMA	Band II	1850-1910	1930-1990
	Band IV	1710-1755	2110-2115
	Band V	824-849	869-894
LTE	Band 2	1850-1910	1930-1990
	Band 4	1710-1755	2110-2155
	Band 5	824-849	869-894
	Band 7	2500 -2570	2620 -2690
	Band 12	699-716	729-746
	Band 17	704-716	734-746
	Band 26	814-849	859-894
	Band 38	2570-2620	2570-2620
	Band 40	2305-2315	2305-2315
	Band 41	2545-2655	2545-2655
	Band 66	1710-1780	2110-2200

*The above work frequency is exemption frequency.

3. The EUT contains following accessory devices:

Items	Trademark / Manufacturer / Factory	Model Name	Description
Adapter	Huawei Technologies Co., Ltd.	HW-100400A00 HW-100400U00 HW-100400E00 HW-100400B00	I/P: 100-240V ~50/60Hz, 1.2A O/P: 5V $\equiv$ 2A OR 9V $\equiv$ 2A OR 10V $\equiv$ 4A (A00/U00/E00/B00 have same board)
Battery	Huawei Technologies Co., Ltd. (Manufacturer: SCUD / Desay)	HB486486ECW	Rated capacity: 4100mAh Nominal Voltage: +3.82V Charging Voltage: +4.4V
Earphone	Jiangxi Lianchuang Hongsheng Electronic Co., LTD	MEND1632B729003	/
	GoerTek Inc.	Windy-S	
	Boluo County Quancheng Electronic Co.,Ltd	1331-3301-6001-TC-088	
	Foster Electric Co.,(GuangZhou)LTD.Sales Dep.	630276	
USB Cable	Ningbo Broad Telecommunication Co., Ltd	WA0009	/
	LUXSHARE Precision Industry Co., Ltd.	L99UC117-CS-H	
	HUIZHOU DEHONG TECHNOLOGY CO.,LTD.	330-50465	

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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(Model: HW-10400U00)+Charging+BT Play(UHD)+Camera On+Idle

AC Power Line Conducted Emissions test	
Final Test Mode	Description
Mode 1	Adapter(Model: HW-10400U00)+Charging+BT Play(UHD)+Camera On+Idle

Radiated Emissions 30 MHz to 1 GHz test	
Final Test Mode	Description
Mode 1	Adapter(Model: HW-10400U00)+Charging+BT Play(UHD)+Camera On+Idle

Radiated emissions above 1 GHz test	
Final Test Mode	Description
Mode 1	Adapter(Model: HW-10400U00)+Charging+BT Play(UHD)+Camera On+Idle

Evaluated description:

1. Mode 1 tested with battery (Manufacturer: Desay) and the worst adapter based on original report.
2. The product supports BT function.
The frequency exemption are 2400 MHz ~ 2483.5 MHz
3. Radiated emission above 1GHz tested with 2.4G filter.

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:

1. EUT connected to BT Earphone via BT Function.
2. EUT connected to Adapter via USB Cable.

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



----- 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	BT Earphone	Huawei	FreeBuds 3	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	YES	NO	1m

3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1.1 LIMIT

Frequency of Emission (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.5 - 5.0	56.00	46.00
5.0 - 30.0	60.00	50.00

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	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	May 19, 2020
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021

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

All calibration period of equipment list is one year.

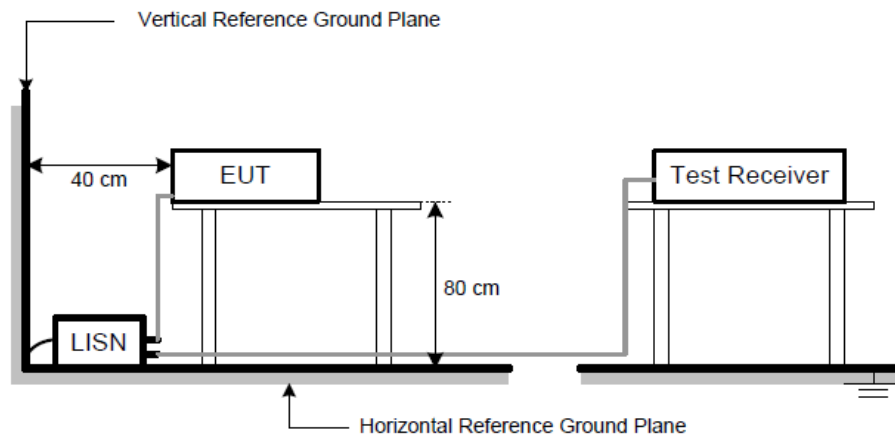
3.1.3 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.
- Measuring frequency range from 150KHz to 30MHz.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

3.1.5 TEST SETUP

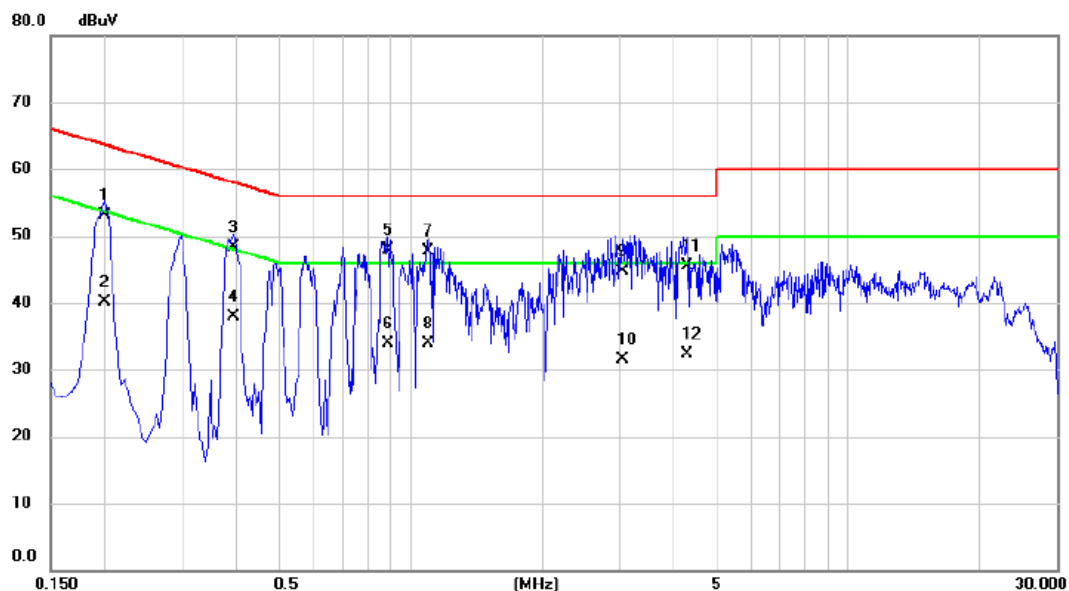


3.1.6 TEST RESULTS

Remark:

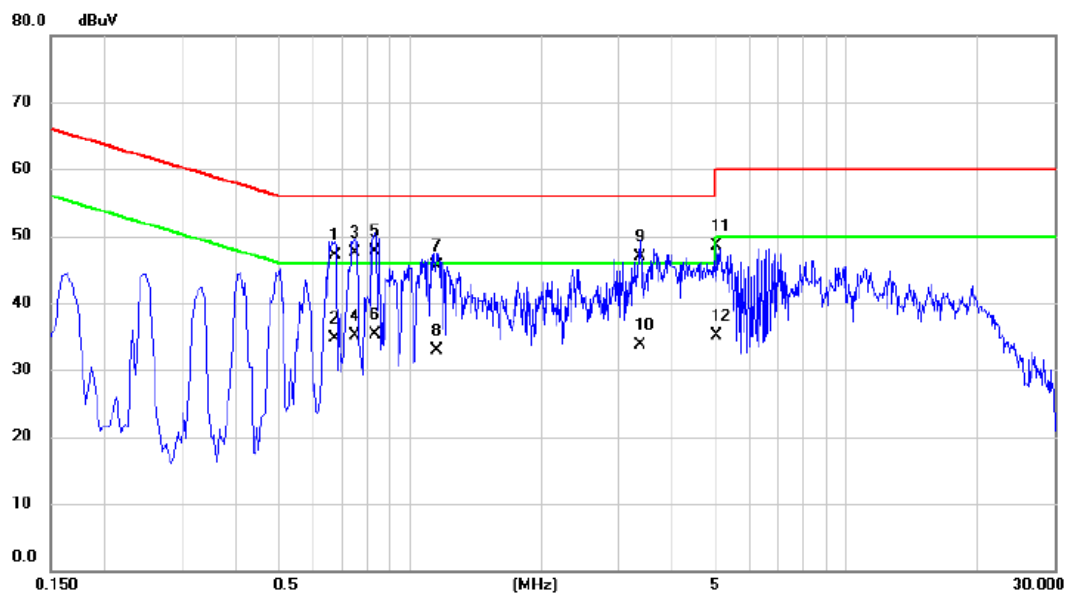
- Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.3 sec./MHz.
- 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 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1995	43.29	9.91	53.20	63.63	-10.43	QP	
2		0.1995	30.10	9.91	40.01	53.63	-13.62	AVG	
3		0.3930	38.44	9.92	48.36	58.00	-9.64	QP	
4		0.3930	28.00	9.92	37.92	48.00	-10.08	AVG	
5	*	0.8880	37.87	10.00	47.87	56.00	-8.13	QP	
6		0.8880	24.00	10.00	34.00	46.00	-12.00	AVG	
7		1.0950	37.76	10.02	47.78	56.00	-8.22	QP	
8		1.0950	23.90	10.02	33.92	46.00	-12.08	AVG	
9		3.0525	34.50	10.18	44.68	56.00	-11.32	QP	
10		3.0525	21.30	10.18	31.48	46.00	-14.52	AVG	
11		4.2810	35.20	10.27	45.47	56.00	-10.53	QP	
12		4.2810	22.10	10.27	32.37	46.00	-13.63	AVG	

Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.6720	36.90	10.14	47.04	56.00	-8.96	QP	
2		0.6720	24.60	10.14	34.74	46.00	-11.26	AVG	
3		0.7485	37.30	10.17	47.47	56.00	-8.53	QP	
4		0.7485	25.00	10.17	35.17	46.00	-10.83	AVG	
5	*	0.8295	37.41	10.25	47.66	56.00	-8.34	QP	
6		0.8295	25.10	10.25	35.35	46.00	-10.65	AVG	
7		1.1490	35.16	10.32	45.48	56.00	-10.52	QP	
8		1.1490	22.60	10.32	32.92	46.00	-13.08	AVG	
9		3.3675	36.30	10.54	46.84	56.00	-9.16	QP	
10		3.3675	23.20	10.54	33.74	46.00	-12.26	AVG	
11		5.0505	37.93	10.67	48.60	60.00	-11.40	QP	
12		5.0505	24.50	10.67	35.17	50.00	-14.83	AVG	

3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ

3.2.1 LIMIT

Frequency (MHz)	Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
3m Emission level = 10m Emission level + 20log(10m/3m).
- (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	Amplifier	HP	8447D	1937A02847	Feb. 28, 2021
2	Cable	emci	LMR-400(30MHz-1GHz)(10m+2.5m)	N/A	Jun. 19, 2020
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	Feb. 28, 2021
6	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	9168-806	Aug. 27, 2020
7	Amplifier	Agilent	8449B	3008A02334	Mar. 01, 2021

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

All calibration period of equipment list is one year.

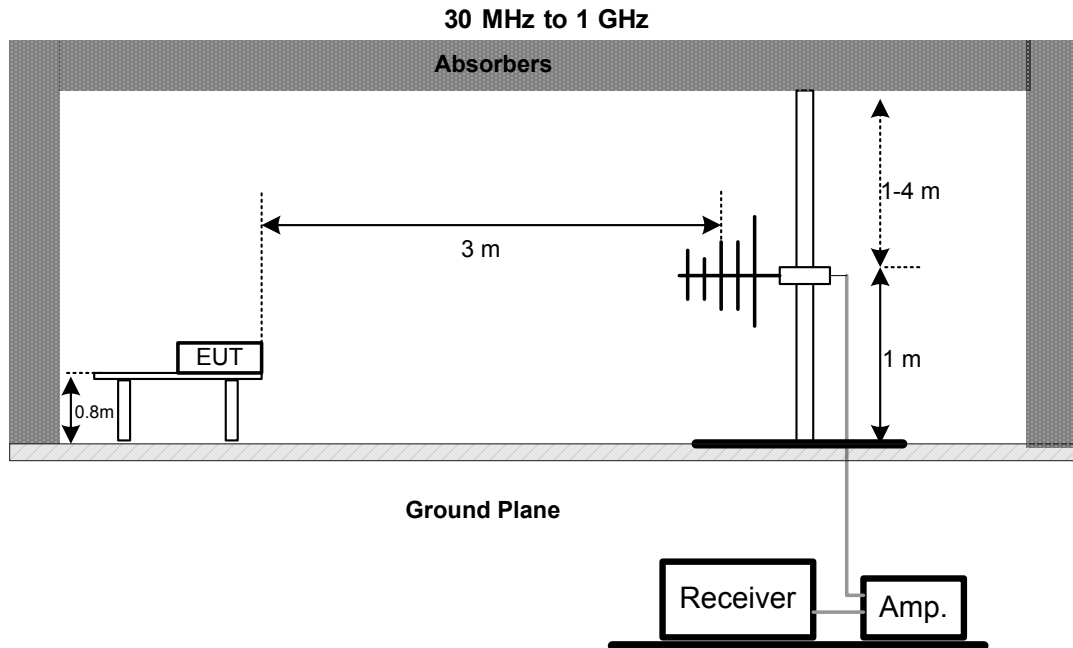
3.2.3 TEST PROCEDURE

- 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 Quasi Peak detector mode re-measured.
- e. 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.
- f. For the actual test configuration, please refer to the related Item - Block Diagram of system tested.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation

3.2.5 TEST SETUP

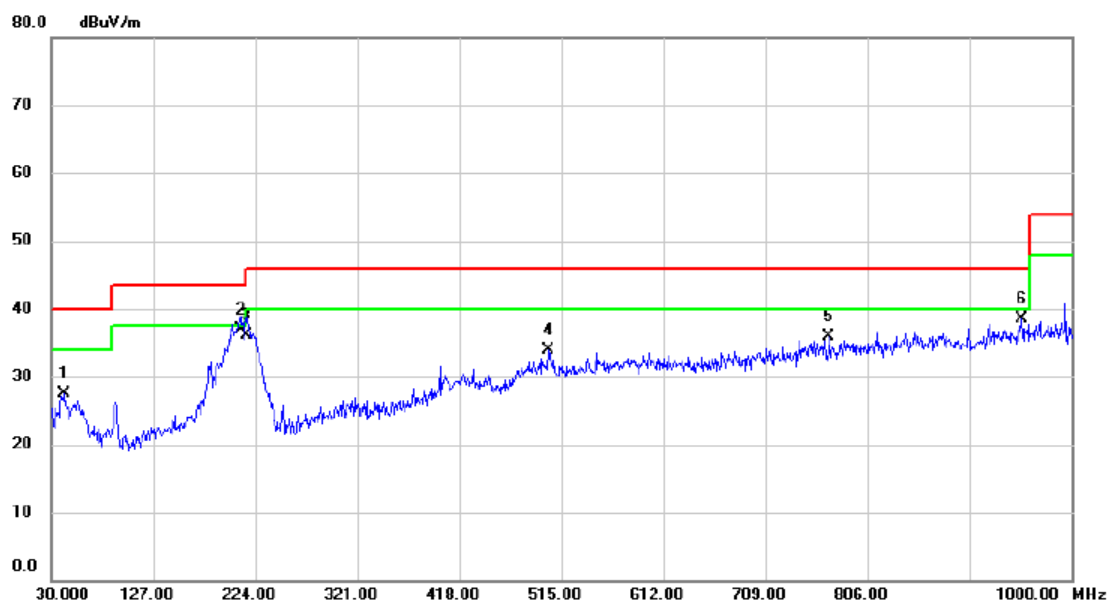


3.2.6 TEST RESULTS

Remark:

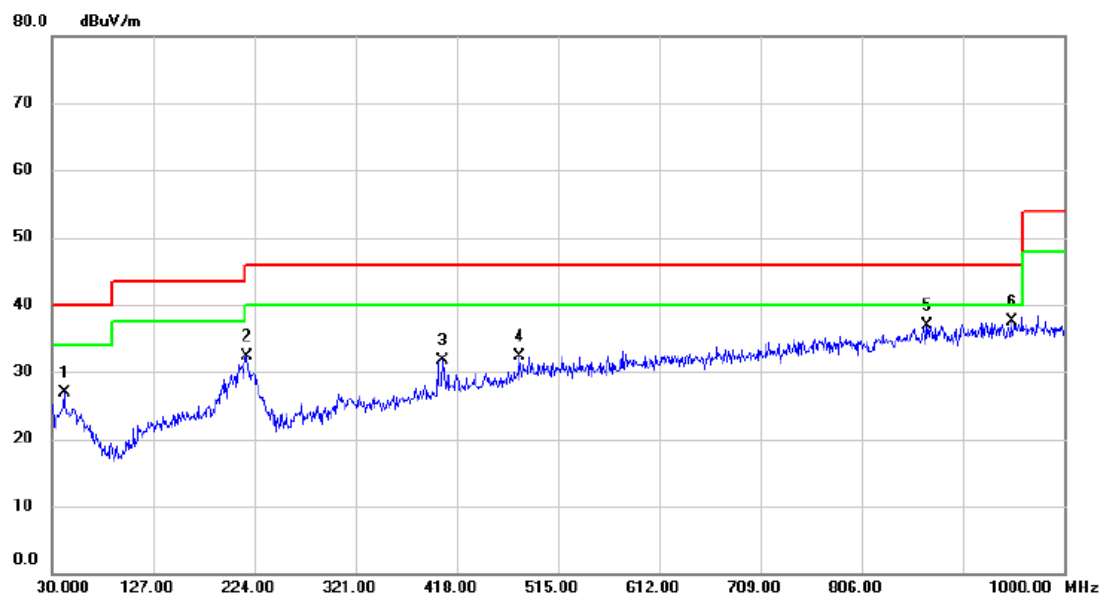
- (1) Measuring frequency range from 30 MHz to 1000 MHz
- (2) If the peak scan value lower limit more than 20 dB, then this signal data does not show in table.

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		42.6100	32.89	-5.41	27.48	40.00	-12.52	QP	
2	*	209.9350	44.29	-7.40	36.89	43.50	-6.61	QP	
3		215.2700	43.46	-7.33	36.13	43.50	-7.37	QP	
4		502.8750	32.72	1.22	33.94	46.00	-12.06	QP	
5		769.1400	29.38	6.61	35.99	46.00	-10.01	QP	
6		952.9550	29.45	9.08	38.53	46.00	-7.47	QP	

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		41.6400	32.32	-5.50	26.82	40.00	-13.18	QP	
2		216.7250	39.64	-7.32	32.32	46.00	-13.68	QP	
3		404.9050	32.68	-0.93	31.75	46.00	-14.25	QP	
4		477.6550	31.62	0.63	32.25	46.00	-13.75	QP	
5		869.0500	28.95	7.89	36.84	46.00	-9.16	QP	
6	*	949.5600	28.44	9.06	37.50	46.00	-8.50	QP	

3.3 RADIATED EMISSIONS ABOVE 1 GHZ

3.3.1 LIMIT

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

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	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 40 GHz, whichever is lower

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/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 Guide Antenna	ETS	3115	75846	Mar. 19, 2021
2	Amplifier	Agilent	8449B	3008A02334	Mar. 01, 2021
3	Amplifier	HP	8447D	1937A02847	Feb. 28, 2021
4	Cable	mitron	RWLP50-4.0A-KJ-SMSM-12M	N/A	Nov. 25, 2020
5	Controller	MF	MF-7802BS	N/A	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	EMI Test Receiver	Keysight	N9038A	MY56400060	Feb. 28, 2021
8	Band Reject Filter	Wairwright Instruments GmbH	WRCG 2400/2483-2375/2505-50/10SS	16	Feb. 28, 2021

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

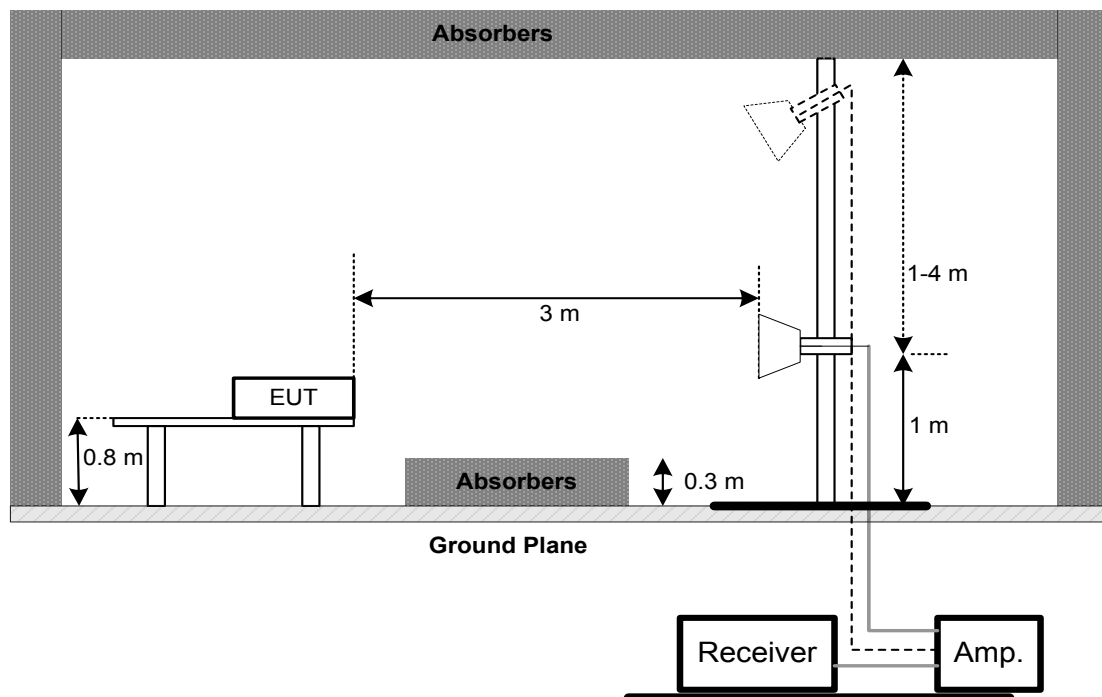
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the 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.
- 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.
- 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.
- For the actual test configuration, please refer to the related Item - Block Diagram of system tested.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation

3.3.5 TEST SETUP

Above 1GHz

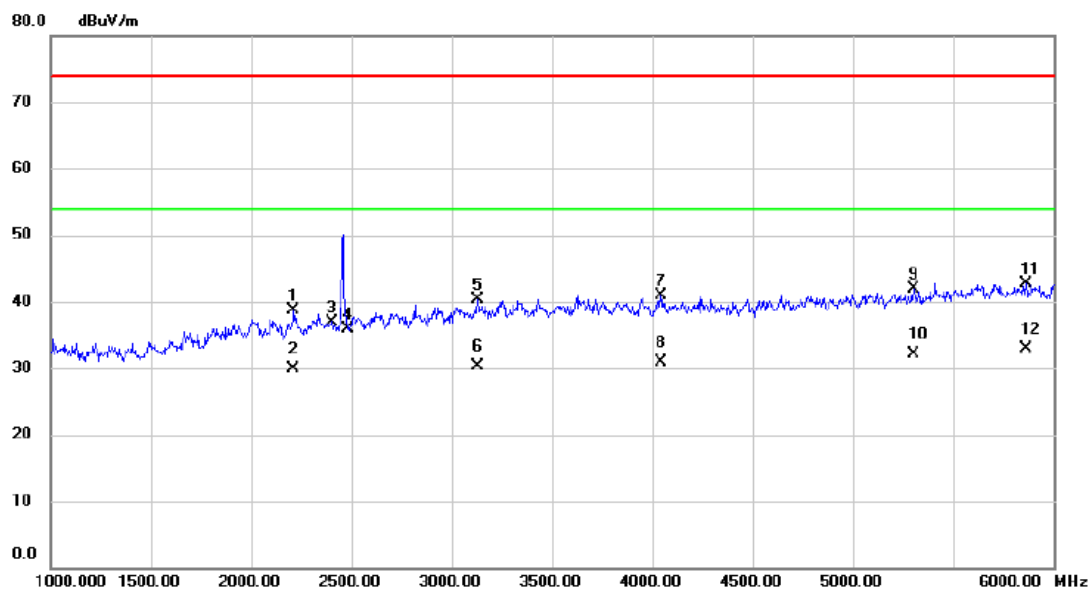


3.3.6 TEST RESULTS

Remark:

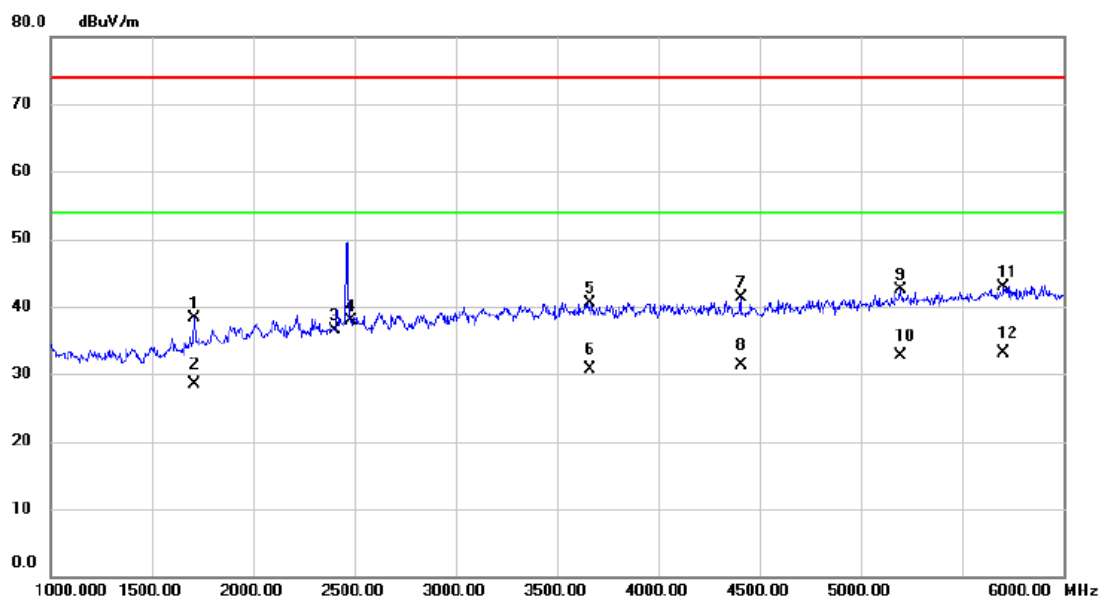
- (1) Radiated emissions measured in frequency range above 1000 MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (2) Data of measurement within this frequency range shown “*” in the table above means the reading of emissions are attenuated more than 20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

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



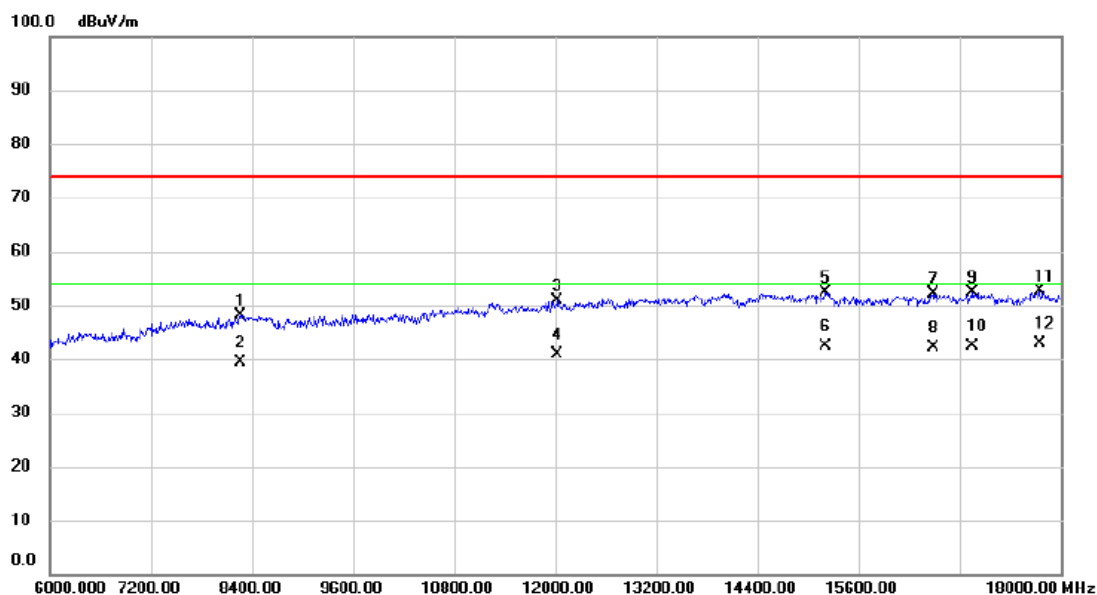
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2210.000	38.50	0.16	38.66	74.00	-35.34	peak	
2		2210.000	29.68	0.16	29.84	54.00	-24.16	AVG	
3		2400.000	36.33	0.58	36.91	74.00	-37.09	peak	
4		2483.500	35.14	0.77	35.91	74.00	-38.09	peak	
5		3132.500	37.39	2.82	40.21	74.00	-33.79	peak	
6		3132.500	27.49	2.82	30.31	54.00	-23.69	AVG	
7		4042.500	35.66	5.28	40.94	74.00	-33.06	peak	
8		4042.500	25.72	5.28	31.00	54.00	-23.00	AVG	
9		5302.500	33.78	8.16	41.94	74.00	-32.06	peak	
10		5302.500	23.94	8.16	32.10	54.00	-21.90	AVG	
11		5862.500	32.77	9.93	42.70	74.00	-31.30	peak	
12	*	5862.500	23.06	9.93	32.99	54.00	-21.01	AVG	

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



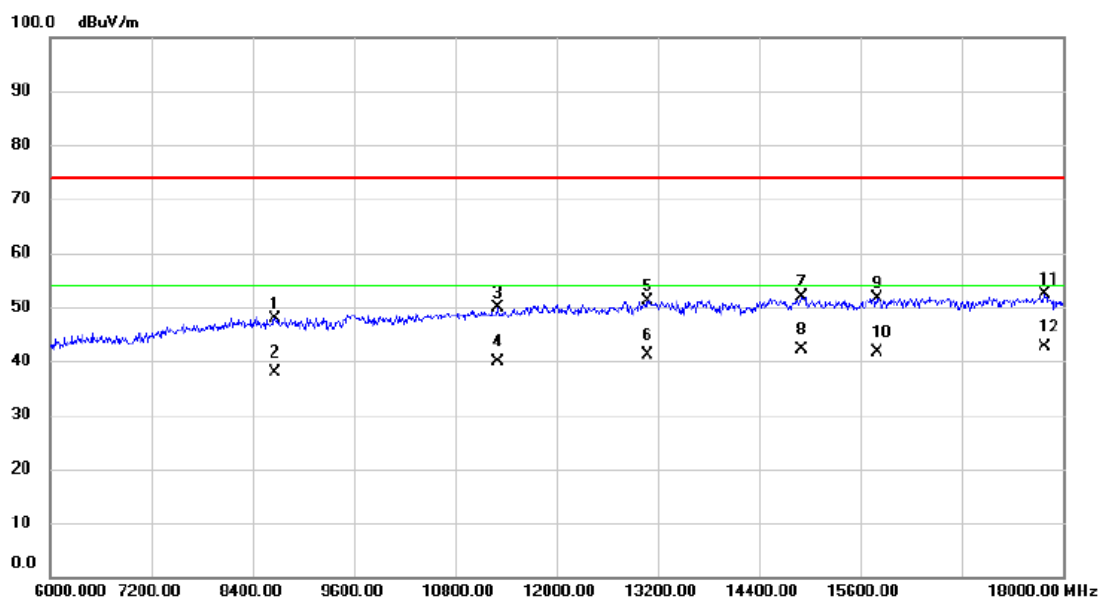
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1710.000	41.20	-2.88	38.32	74.00	-35.68	peak	
2		1710.000	31.44	-2.88	28.56	54.00	-25.44	AVG	
3		2400.000	35.83	0.58	36.41	74.00	-37.59	peak	
4		2483.500	37.07	0.77	37.84	74.00	-36.16	peak	
5		3662.500	36.07	4.40	40.47	74.00	-33.53	peak	
6		3662.500	26.38	4.40	30.78	54.00	-23.22	AVG	
7		4407.500	35.59	5.63	41.22	74.00	-32.78	peak	
8		4407.500	25.64	5.63	31.27	54.00	-22.73	AVG	
9		5197.500	34.62	7.86	42.48	74.00	-31.52	peak	
10		5197.500	24.75	7.86	32.61	54.00	-21.39	AVG	
11		5705.000	33.55	9.42	42.97	74.00	-31.03	peak	
12	*	5705.000	23.76	9.42	33.18	54.00	-20.82	AVG	

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



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		8256.000	32.22	15.93	48.15	74.00	-25.85	peak	
2		8256.000	23.41	15.93	39.34	54.00	-14.66	AVG	
3		12030.00	29.67	21.11	50.78	74.00	-23.22	peak	
4		12030.00	19.84	21.11	40.95	54.00	-13.05	AVG	
5		15210.00	27.74	24.70	52.44	74.00	-21.56	peak	
6		15210.00	17.63	24.70	42.33	54.00	-11.67	AVG	
7		16482.00	28.15	23.90	52.05	74.00	-21.95	peak	
8		16482.00	18.26	23.90	42.16	54.00	-11.84	AVG	
9		16956.00	25.54	26.86	52.40	74.00	-21.60	peak	
10		16956.00	15.63	26.86	42.49	54.00	-11.51	AVG	
11		17754.00	21.27	31.43	52.70	74.00	-21.30	peak	
12	*	17754.00	11.48	31.43	42.91	54.00	-11.09	AVG	

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



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		8664.000	31.35	16.55	47.90	74.00	-26.10	peak	
2		8664.000	21.23	16.55	37.78	54.00	-16.22	AVG	
3		11310.00	29.71	20.17	49.88	74.00	-24.12	peak	
4		11310.00	19.64	20.17	39.81	54.00	-14.19	AVG	
5		13080.00	27.84	23.41	51.25	74.00	-22.75	peak	
6		13080.00	17.76	23.41	41.17	54.00	-12.83	AVG	
7		14898.00	25.31	26.65	51.96	74.00	-22.04	peak	
8		14898.00	15.41	26.65	42.06	54.00	-11.94	AVG	
9		15804.00	28.96	22.76	51.72	74.00	-22.28	peak	
10		15804.00	18.78	22.76	41.54	54.00	-12.46	AVG	
11		17778.00	20.74	31.62	52.36	74.00	-21.64	peak	
12	*	17778.00	11.02	31.62	42.64	54.00	-11.36	AVG	

End of Test Report