TEST REPORT

FCC ID: 2ADYY-KN8S

Product: Mobile Phone

Model No.: KN8s

Trade Mark: TECNO

Report No.: WSCT-ANAB-R&E260800069A-NFC

Issued Date: 21 September 2026

Issued for:

TECNO MOBILE LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd.
Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China
TEL: +86-755-26996192
FAX: +86-755-86376605

Note: *This report shall not be reproduced except in full, without the written approval of World Standardization Certification& Testing Group (Shenzhen) Co., Ltd. This document may be altered or revised by World Standardization Certification& Testing Group (Shenzhen) Co., Ltd. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.*

TABLE OF CONTENTS

1. Test Certification 3
2. Test Result Summary 4
3. EUT Description 5
4. Genera Information 6
4.1. TEST ENVIRONMENT AND MODE 6
4.2. DESCRIPTION OF SUPPORT UNITS 6
5. Facilities and Accreditations 7
5.1. FACILITIES 7
5.2. ACCREDITATIONS 7
5.3. MEASUREMENT UNCERTAINTY 8
6. MEASUREMENT INSTRUMENTS 9
7. GENERAL TEST CONFIGURATIONS 10
7.2. TEST SETUPS 10
8. TEST ITEMS 12
8.1. ANTENNA REQUIREMENTS 12
8.2. EMISSION BANDWIDTH 13
8.3. FIELD STRENGTH OF FUNDAMENTAL EMISSIONS AND RADIATED EMISSIONS 16
8.4. FREQUENCY TOLERANCE 22
8.5. CONDUCTED EMISSION 23
4 Test Setup Photographs 26

1. Test Certification

Product:	Mobile Phone
Model No.:	KN8s
Trade Mark:	TECNO
Applicant:	**TECNO MOBILE LIMITED** FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	**TECNO MOBILE LIMITED** FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Date of Test:	13 August 2026 to 21 September 2026
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C

The above equipment has been tested by World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By: Wang Xiang
(Wang Xiang)

Checked By: Chen Xu
(Chen Xu)

Approved By:
(Qin Shuiquan)

Date: 21 September 2026

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
Emission Bandwidth	§15.215	PASS
Field Strength of Fundamental Emissions	§15.225(a)	PASS
Radiated Emissions	§15.225(d) / 15.209	PASS
Frequency Stability	§15.225(e)	PASS
Conducted Emission	§15.207	PASS
Note: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203		

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

3. EUT Description

Product Name:	Mobile Phone
Model :	KN8s
Trade Mark:	TECNO
Operation Frequency:	NFC: 13.56MHz(TX/RX)
Antenna Type	Integral Antenna
Modulation Technology:	ASK(NFC)
Operating Voltage:	Adapter: U450TSC Input: 100-240V~50/60Hz 1.8A Output: 5.0V⎓3.0A 15.0W or 5.0-10.0V⎓4.5A 45.0W MAX or 11.0V⎓4.1A 45.0W Rechargeable Li-ion Polymer Battery: BL-60AT Nominal Voltage: 3.92V Rated Capacity:5990mAh/23.49Wh Typical Capacity:6150mAh/24.11Wh Limit Charge Voltage: 4.53V
Remark:	N/A.

Note: 1. N/A stands for no applicable.
2. The antenna gain is provided by the customer. For any reported data issues caused by the antenna gain, World Standardization Certification&Testing Group (Shenzhen) Co., Ltd assumes no responsibility.

Configuration differences

Configuration	Model	SIM
1	KN8s	Dual card
2	KN8s	Single card
Note: All configured prototypes have been tested, with Configuration 1 yielding the poorest results; this is also the primary model tested in the report.		

4. Genera Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.
The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.	

4.2. 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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

5. Facilities and Accreditations

5.1. Facilities

All measurement facilities used to collect the measurement data are located at **Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China of the World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.**

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 32. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025:2017.

USA	**ANAB - Certificate Number: AT-3951**
China	**CNAS (Registration Number: L3732)**
Canada	**ISED(CAB identifier:CN0178)**

Copies of granted accreditation certificates are available for downloading from our web site, **http://www.wsct-cert.com**

5.3. Measurement Uncertainty

1.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.
2. The Ulab is less than Ucispr, compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
3. For conducted emission test of laboratory have a measurement uncertainty greater than that specified in harmonized standard, this equipment can still be used provided that an adjustment is made follows：any additionan uncertaimty in the test system over and above that specified in harmonized standard should be used to tighter the test requirements-making the test harder to pass. This procedure will ensure that a test system not comliant with harmonized standard does not increase the probability of passing a EUT that would otherwise have failed a test if a test system comliant with harmonized standard had been used.

PARAMETER	Value
Conducted emissions (9 kHz-30 MHz)	3.2 dB
Radiated emissions (9 kHz-30 MHz)	3.3 dB
Radiated emissions (30 MHz-1 GHz)	3.8 dB

6. MEASUREMENT INSTRUMENTS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibrated	Calibrated until	Use or Not
EMI Test Receiver	R&S	ESCI	100005	2025-11-05	2026-11-04	☒
Bi-log Antenna	SCHWARZBECK	VULB9168	01488	2026-07-29	2027-07-28	☒
Broadband Antenna	SCHWARZBECK	VULB9161	9161-4079	2025-11-05	2026-11-04	☒
Loop antenna	SCHNARZBE	FMZB1519B	00023	2025-11-05	2026-11-04	☒
pre-amplifier	CDSI	PAP-1G18-38	--	2025-11-05	2026-11-04	☒
System Controller	CT	SC100	-	2025-11-05	2026-11-04	☒
Spectrum analyzer	R&S	FSU26	200409	2025-11-05	2026-11-04	☒
H & T Chamber	Guangzhou gongwen	GDJS-500-40	0329	2025-11-05	2026-11-04	☒
MXG Vector Signal Generator	KEYSIGHT	N5182B	53060646	2025-11-05	2026-11-04	☒
EXG Analog Signal Generator	Agilent	N5171B	40060472	2025-11-05	2026-11-04	☒
MXA Signal Analyzer	Agilent	N9020A	54123254	2025-11-05	2026-11-04	☒
USB Wideband Power Sensor	Agilent	U2021XA	52110008	2025-11-05	2026-11-04	☒
Simultaneous Sampling DAQ	Agilent	U2531A	53100008	2025-11-05	2026-11-04	☒
Coaxial cable	Megalon	LMR400	N/A	2025-11-05	2026-11-04	☒
GPIB cable	megalon	GPIB	N/A	2025-11-05	2026-11-04	☒
Cable	H+S	SUCOFLEX	102(0.2m)	2025-11-05	2026-11-04	☒
Cable	H+S	SUCOFLEX	102(1.5m)	2025-11-05	2026-11-04	☒
Anechoic chamber	SAEMC	966	-	2025-11-05	2026-11-04	☒

7. GENERAL TEST CONFIGURATIONS

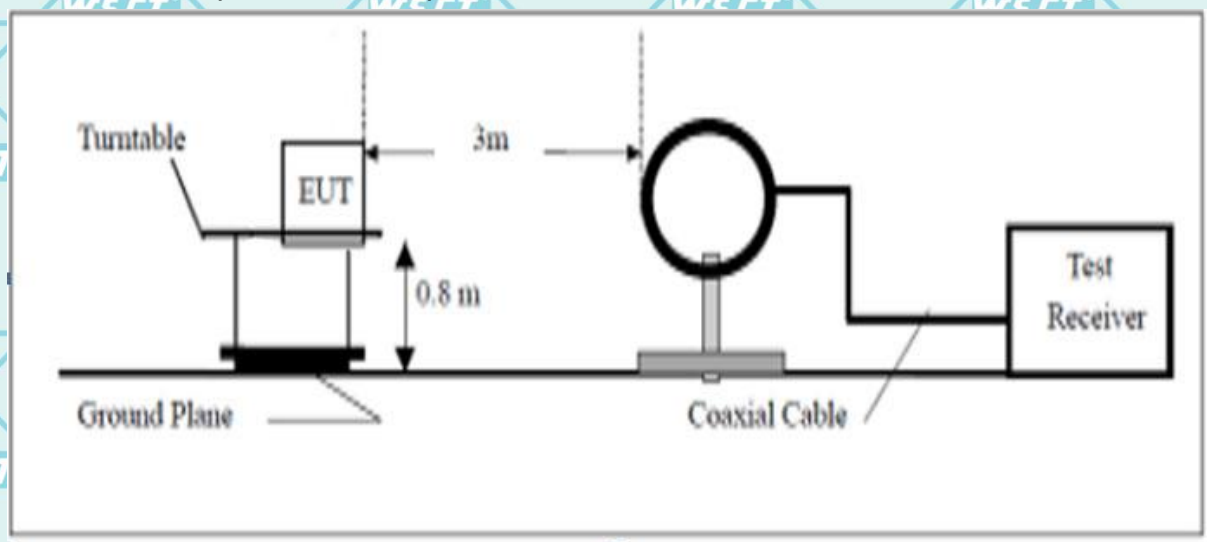
7.1.1. Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	30% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22℃ to +25℃
Working Voltage of the EUT	NV (Normal Voltage)	DC 3.92V

7.2. Test Setups

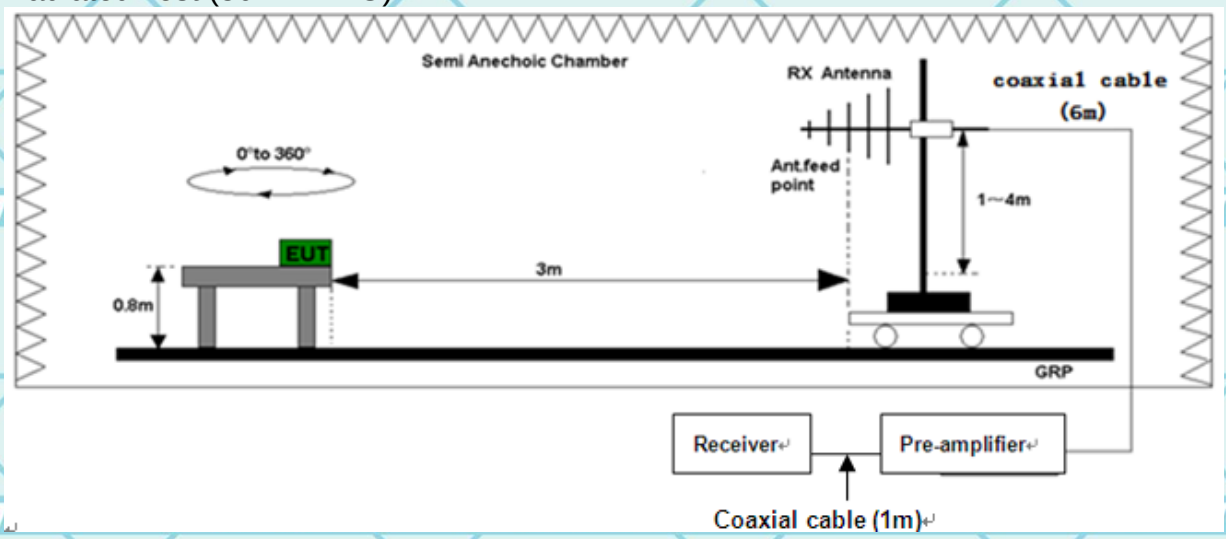
Test Setup 1
Radiated Test (Below 30 MHz)



(Diagram 1)

Test Setup 2

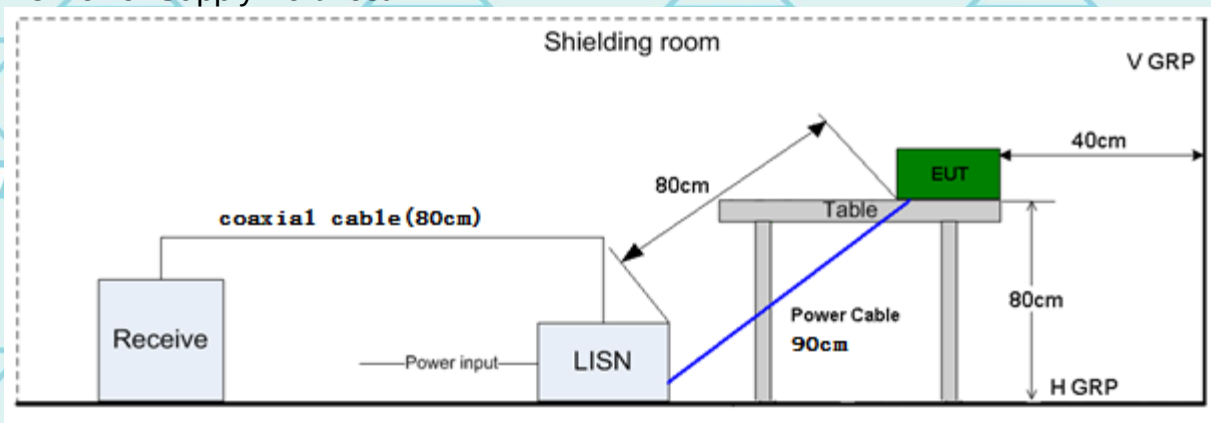
Radiated Test (30 MHz-1G)



(Diagram 2)

Test Setup 3

AC Power Supply Port Test



(Diagram 3)

8. TEST ITEMS

8.1. Antenna Requirements

8.1.1. Relevant Standards

FCC §15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

8.1.2. Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer EUT internal photos.

8.2. Emission Bandwidth

8.2.1. Definition

15.215(c);
Intentional radiators operating under the alternative provisions to the general emission limits must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:
• The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
• The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
• The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
• The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.
Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.
For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

8.2.2. Test Setup

See section 7.2(Diagram 1)

8.2.3. Test Procedure

The 20dB bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.
Use the following spectrum analyzer settings:
Span = between 2 to 5 times the OBW
RBW = 1% to 5% the OBW
VBW ⩾ 3RBW
Sweep = auto
Detector function = peak
Trace = max hold
The 99% emission bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.
Use the following spectrum analyzer settings:
Span = between 1.5 to 5 times the OBW
RBW = 1% to 5% OBW
VBW ⩾ 3RBW
Sweep = auto
Detector function = peak
Trace = max hold

8.2.4. Test Result

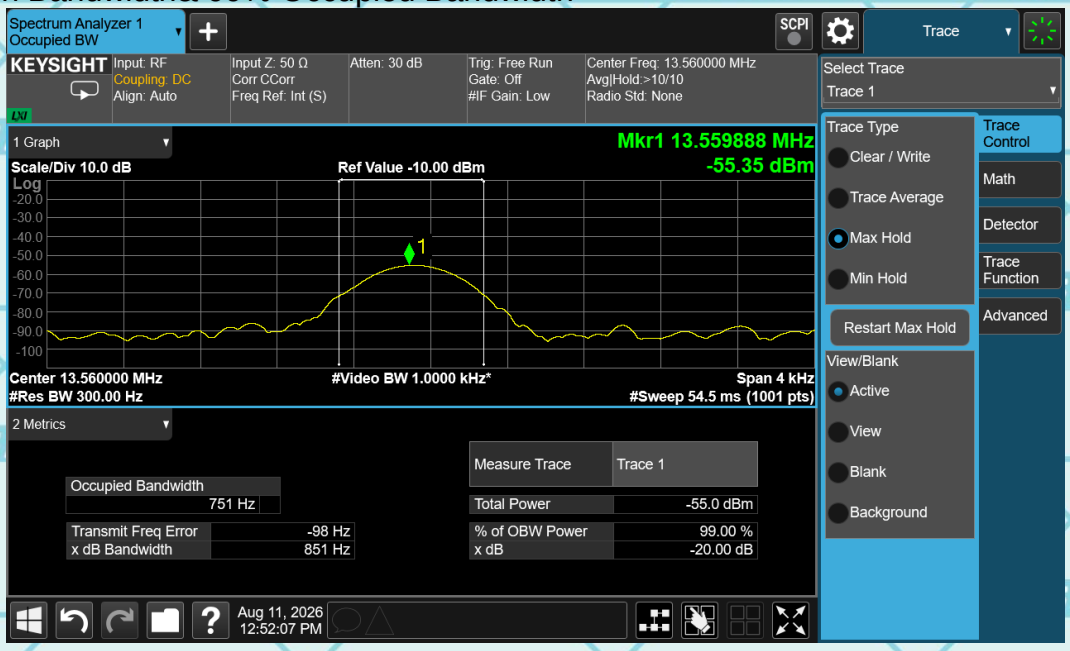
Note: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

Test Data

Frequency (MHz)	Emission Bandwidth(20dB down)(Hz)	Occupied Bandwidth(99%) (Hz)
13.56	851	751

Test Plots

Emission Bandwidth& 99% Occupied Bandwidth



8.3. Field Strength of Fundamental Emissions and Radiated Emissions

8.3.1. Limit

FCC §15.225(a), (b), (c)
According to FCC section 15.225, for <30 MHz, Radiated emissions were measured according to ANSI C63.4.
The EUT was set to transmit at the highest output power. The EUT was set 3 meter away from the measuring antenna. The loop antenna was positioned 1 meter above the ground from the center of the loop. The measuring bandwidth was set to 10 kHz. (Note: During testing the receive antenna was rotated about its axis to maximize the emission from the EUT)
There was no detected Restricted bands and Radiated spurious emission below 30MHz.
The 30m limit was converted to 3m Limit using square factor(x) as it was found by measurements as follows; 3 m Limit(dBμV/m) = 20log(X)+40log(30/3)= 20log(15848)+40log(30/3) = 124dBμV
Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency range (MHz)	Field Strength@30m		Field Strength@10m	Field Strength@3m
	μV/m	dBμV/m	dBμV/m	dBμV/m
Below 13.110	30	29.5	48.58	69.5
13.110 ~ 13.410	106	40.5	59.58	80.5
13.410 ~ 13.553	334	50.5	69.58	90.5
13.553 ~13.567	15848	84	103.08	124
13.567 ~ 13.710	334	50.5	69.58	90.5
13.710 ~14.010	106	40.5	59.58	80.5
Above 14.010	30	29.5	48.58	69.5

Note:
1. Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].
2. In the emission tables above, the tighter limit applies at the band edges.

FCC §15.225(d)

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
2. For above 1000 MHz, limit field strength of harmonics: 54dBμV/m@3m (AV) and 74dBμV/m@3m (PK).

8.3.2. Test Setup

See section 7.2(Diagram 1 and Diagram 2)

8.3.3. Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The

Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified.

Only the worst RB size/offset presented. The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for f ⩾ 1 GHz, 100 kHz for 30 MHz < f < 1 GHz, 10 kHz for 150 kHz < f < 30 MHz,

300 Hz for f < 150 kHz

VBW ⩾ RBW

Sweep = auto

Detector function = peak

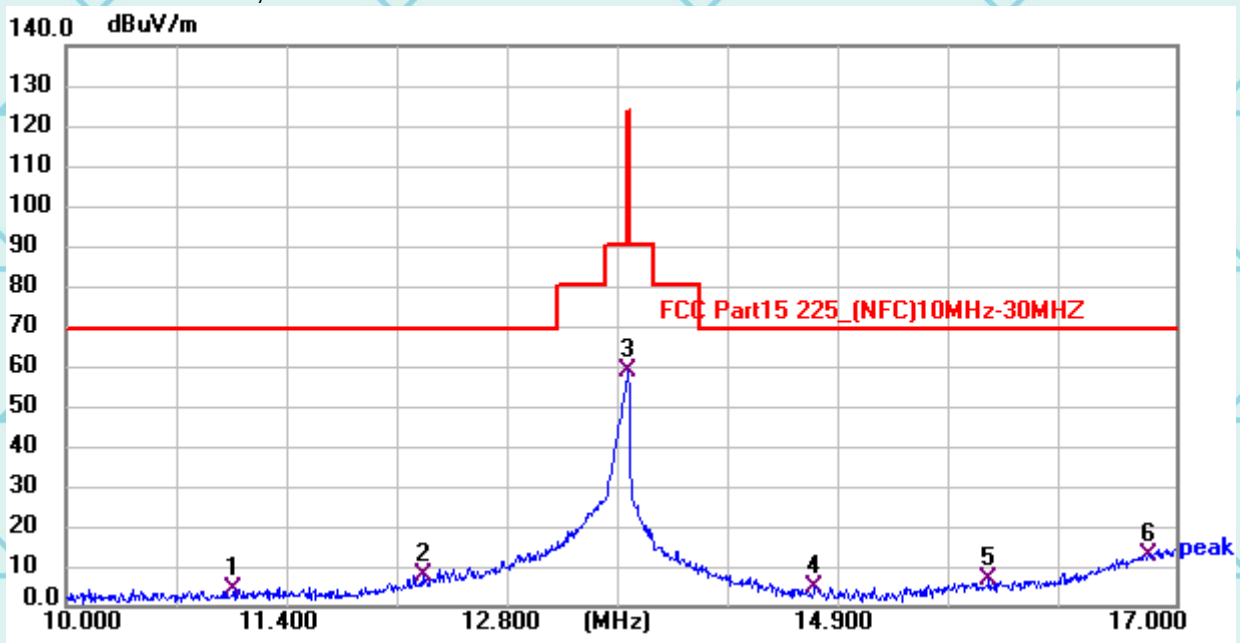
Trace = max hold

8.3.4. Test Result

Field Strength of Fundamental Emissions

Note: Field Strength of Fundamental Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.

Test Plot
Test Antenna-LOOP, EUT X axis

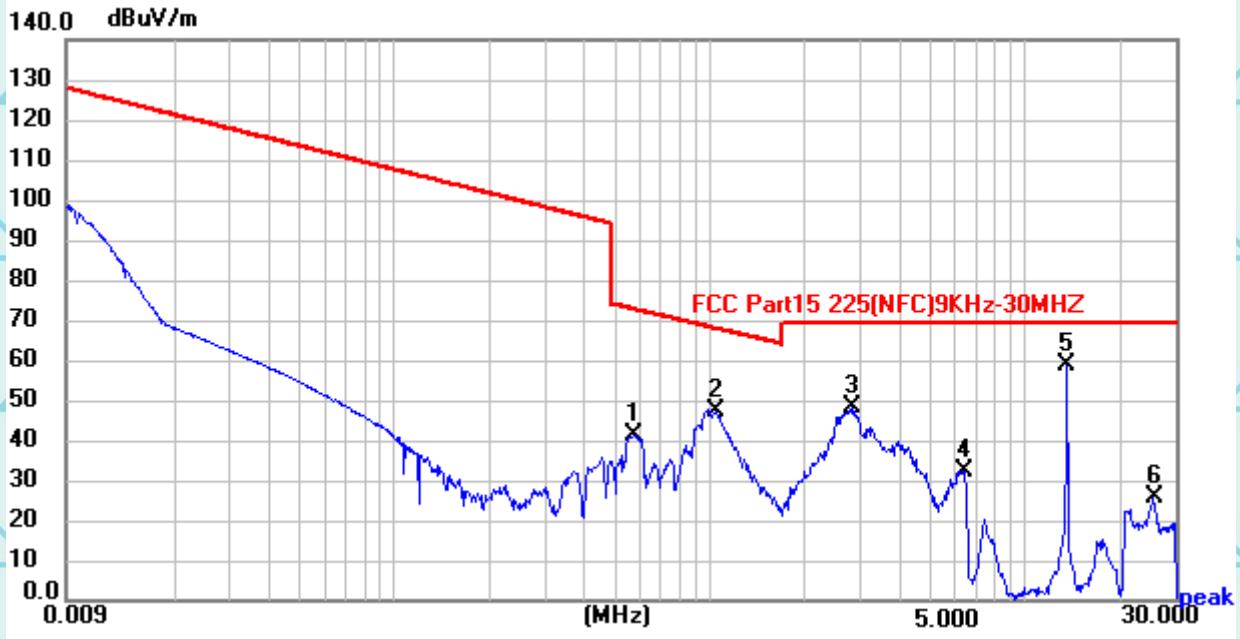


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11.0639	10.73	-6.57	4.16	69.50	-65.34	QP
2	12.2628	10.55	-2.80	7.75	69.50	-61.75	QP
3 *	13.5590	7.85	51.08	58.93	124.00	-65.07	QP
4	14.7311	12.16	-7.28	4.88	69.50	-64.62	QP
5	15.8275	16.74	-10.00	6.74	69.50	-62.76	QP
6	16.8320	22.77	-10.00	12.77	69.50	-56.73	QP

Radiated Emissions

Note 1: This frequency which near 13.560 MHz with circle should be ignored because they are NFC carrier frequency.
Note 2: All Radiated Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.
The Data and Plots (9 kHz ~ 30 MHz)

Below 30 MHz, Test Antenna LOOP, EUT X axis



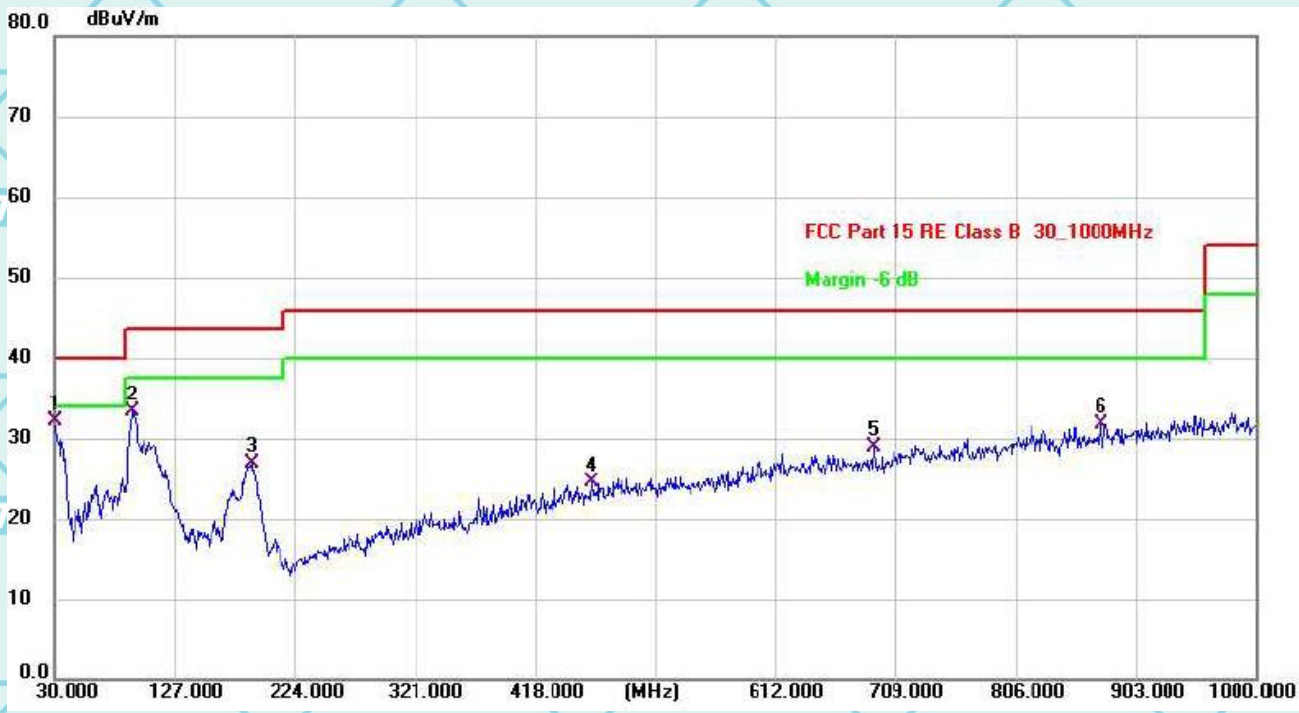
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.5704	31.19	10.00	41.19	72.78	-31.59	peak
2	1.0471	37.47	10.00	47.47	67.91	-20.44	peak
3	2.8140	38.41	10.00	48.41	69.50	-21.09	peak
4	6.3975	22.16	10.00	32.16	69.50	-37.34	peak
5 *	13.5756	40.40	18.25	58.65	69.50	-10.85	peak
6	25.5330	15.71	10.00	25.71	69.50	-43.79	peak

30 MHz to 1 GHz,

Horizontal:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	112.4500	42.24	-9.65	32.59	43.50	10.91	QP
2		169.6799	34.93	-7.50	27.43	43.50	16.07	QP
3		329.7300	26.91	-5.53	21.38	46.00	24.62	QP
4		608.1200	25.84	1.54	27.38	46.00	18.62	QP
5		790.4800	26.35	4.60	30.95	46.00	15.05	QP
6		903.0000	26.60	6.60	33.20	46.00	12.80	QP

Vertical:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	30.0000	52.62	-20.53	32.09	40.00	7.91	QP
2		93.0500	53.53	-20.20	33.33	43.50	10.17	QP
3		189.0800	46.62	-19.72	26.90	43.50	16.60	QP
4		463.5900	43.00	-18.45	24.55	46.00	21.45	QP
5		691.5400	46.15	-17.25	28.90	46.00	17.10	QP
6		874.8700	47.91	-16.14	31.77	46.00	14.23	QP

Note1:
Freq. = Emission frequency in MHz
Reading level (dBµV) = Receiver reading
Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.
Measurement (dBµV) = Reading level (dBµV) + Corr. Factor (dB)
Limit (dBµV) = Limit stated in standard
Margin (dB) = Measurement (dBµV) – Limits (dBµV)

8.4. Frequency Tolerance

8.4.1. Limit

FCC §15.225(e)
The frequency tolerance of the carrier signal shall be maintained within ±0.01% of the operating frequency over a temperature variation of −20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees
C. For battery operated equipment, the equipment tests shall be performed using a new battery.

8.4.2. Test Setup

See section 7.2(Diagram 1)

8.4.3. Test Procedure

1. The test is performed in a Temperature Chamber.
2. The EUT is configured as MS + DC Power Supply.

8.4.4. Test Result

Note 1: Because the 85%(3.247V) of the rated supply voltage value exceeds the cut-off voltage lower(3.45V) limit of the manufacturer, the cut-off voltage of EUT is test here.

OPERATING FREQUENCY:	13560000 Hz
REFERENCE VOLTAGE:	3.92 V
DEVIATION LIMIT:	±0.01%

VOLTAGE (%)	Test Conditions		Frequency(Hz)	Deviation (%)	Verdict
	Power (VDC)	Temperature (°C)			
100	3.92	-10	13560025	-0.000184	Pass
100		0	13559983	0.000125	Pass
100		+10	13560025	-0.000184	Pass
100		+20	13559992	0.000059	Pass
100		+25	13560008	-0.000059	Pass
100		+30	13560031	-0.000229	Pass
100		+40	13560035	-0.000258	Pass
100		+50	13559995	0.000037	Pass
100		+55	13559983	0.000125	Pass
MAX(Battery End Point, 85)	3.45	+25	13560010	-0.000074	Pass
MIN(Battery End Point, 115)	4.53	+25	13559983	0.000125	Pass

8.5. Conducted Emission

8.5.1. Limit

FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

8.5.2. Test Setup

See section 4.2(Diagram 3)

8.5.3. Test Procedure

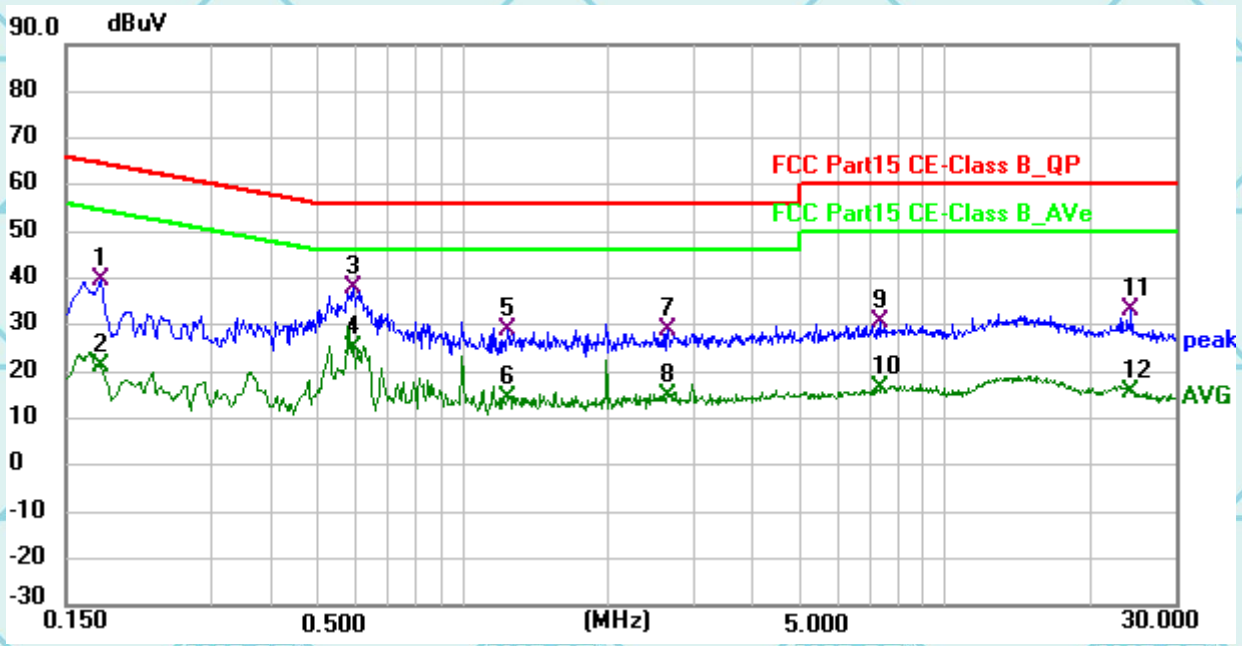
The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.
Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

8.5.4. Test Result

Note 1: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

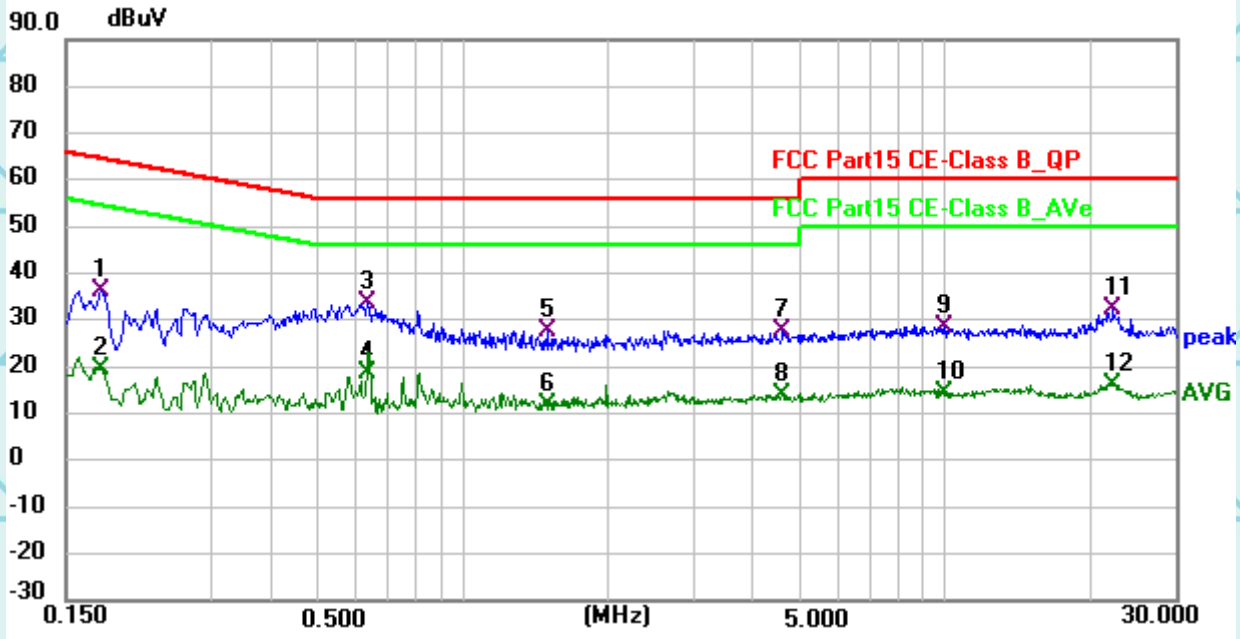
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	NFC

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1770	18.92	20.71	39.63	64.63	-25.00	QP
2	0.1770	0.36	20.71	21.07	54.63	-33.56	AVG
3 *	0.5910	17.38	20.52	37.90	56.00	-18.10	QP
4	0.5910	4.55	20.52	25.07	46.00	-20.93	AVG
5	1.2390	8.24	20.66	28.90	56.00	-27.10	QP
6	1.2390	-6.14	20.66	14.52	46.00	-31.48	AVG
7	2.6745	8.35	20.60	28.95	56.00	-27.05	QP
8	2.6745	-5.66	20.60	14.94	46.00	-31.06	AVG
9	7.3005	10.04	20.50	30.54	60.00	-29.46	QP
10	7.3005	-4.00	20.50	16.50	50.00	-33.50	AVG
11	24.3060	12.64	20.55	33.19	60.00	-26.81	QP
12	24.3060	-5.01	20.55	15.54	50.00	-34.46	AVG

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1770	15.61	20.71	36.32	64.63	-28.31	QP
2	0.1770	-1.10	20.71	19.61	54.63	-35.02	AVG
3 *	0.6315	13.00	20.53	33.53	56.00	-22.47	QP
4	0.6315	-1.71	20.53	18.82	46.00	-27.18	AVG
5	1.5000	6.97	20.64	27.61	56.00	-28.39	QP
6	1.5000	-8.86	20.64	11.78	46.00	-34.22	AVG
7	4.6140	7.06	20.58	27.64	56.00	-28.36	QP
8	4.6140	-6.77	20.58	13.81	46.00	-32.19	AVG
9	9.9690	7.85	20.45	28.30	60.00	-31.70	QP
10	9.9690	-5.89	20.45	14.56	50.00	-35.44	AVG
11	22.3755	11.87	20.42	32.29	60.00	-27.71	QP
12	22.3755	-4.33	20.42	16.09	50.00	-33.91	AVG

Note1:

Freq. = Emission frequency in MHz
Reading level (dBμV) = Receiver reading
Corr. Factor (dB) = LISN Factor + Cable loss
Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)
Limit (dBμV) = Limit stated in standard
Margin (dB) = Measurement (dBμV) – Limits (dBμV)
Q.P. =Quasi-Peak AVG =average
** is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.*

4 Test Setup Photographs

Please refer to Annex "Set Up Photos-NFC" for test setup photos

*******END OF REPORT*******