FCC RF Test Report
(NFC)

Report No.:	JYTSZ-R12-2301817
Applicant:	ITEL MOBILE LIMITED
Address of Applicant:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Under Test (EUT)	
Product Name:	Mobile Phone
Model No.:	S666LN
Trade Mark:	itel
FCC ID:	2AJMN-S666LN
Applicable Standards:	FCC CFR Title 47 Part 15C (§15.225)
Date of Sample Receipt:	19 Dec., 2023
Date of Test:	20 Dec., 2023 to 30 Jan., 2024
Date of Report Issue:	30 Jan., 2024
Test Result:	PASS

Tested by:	Victor Zhang ***Project Engineer***	***Date:***	*30 Jan., 2024*
Reviewed by:	Jack Li ***Senior Engineer***	***Date:***	*30 Jan., 2024*
Approved by:	Janet Wei ***Manager***	***Date:***	*30 Jan., 2024*

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	*30 Jan., 2024*	*Original*

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3 General Information

3.1 Client Information

Applicant:	ITEL MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	ITEL MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

3.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	S666LN
Operation Frequency:	13.56MHz
Channel Numbers:	1
Modulation Type:	ASK
Antenna Type:	Induction Coil Antenna
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.91V, 4900mAh
AC Adapter:	Model: U450ISB Input: AC100-240V, 50/60Hz, 1.8A Output: DC 5.0V, 3.0A 15.0W or DC 5.0-10.0V, 4.5A or DC 11.0V, 4.1A 45.0W MAX
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Environment

Test Mode:	
Transmitting mode:	Keep the EUT in transmitting mode with modulation
Remark: *Pre-scan The EUT was placed on three different polar directions tested: i.e. X axis, Y axis, Z axis, and found Y axis was worse case, so the report only reflects the worse axis tested data.*	
Operating Environment:	
Temperature:	15℃ ~ 35℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.91 Vdc, Extreme: Low 3.45 Vdc, High 4.50 Vdc
Test Engineer:	Vieta Zhang (Conducted measurement) Robin Gu (Radiated measurement)

3.4 Description of Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
N/A	N/A	N/A	N/A	N/A

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	3.57 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	3.14 dB
Radiated Emission (9kHz ~ 30MHz) (3m SAC)	3.3 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m SAC)	4.5 dB
Radiated Emission (6GHz ~ 18GHz) (3m SAC)	4.7 dB
Note: *All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.*	

3.6 Additions to, Deviations, or Exclusions From the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info-JYTee@lets.com, Website: http://jyt.lets.com

3.9 Test Instruments List

Radiated Emission(3m SAC):

Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2024
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	02-09-2023	02-08-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-09-2023	02-08-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	01-11-2023	01-10-2024
				12-27-2023	12-26-2024
Coaxial Cable (9kHz ~ 30MHz)	JYT	JYT3M-1G-BB-5M	WXG001-6	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		
EMI Test Software	AUDIX	E3	Version: 6.110919b		

Conducted Emission:

Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-05-2023	07-04-2024
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	01-11-2023	01-10-2024
				12-27-2023	12-26-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

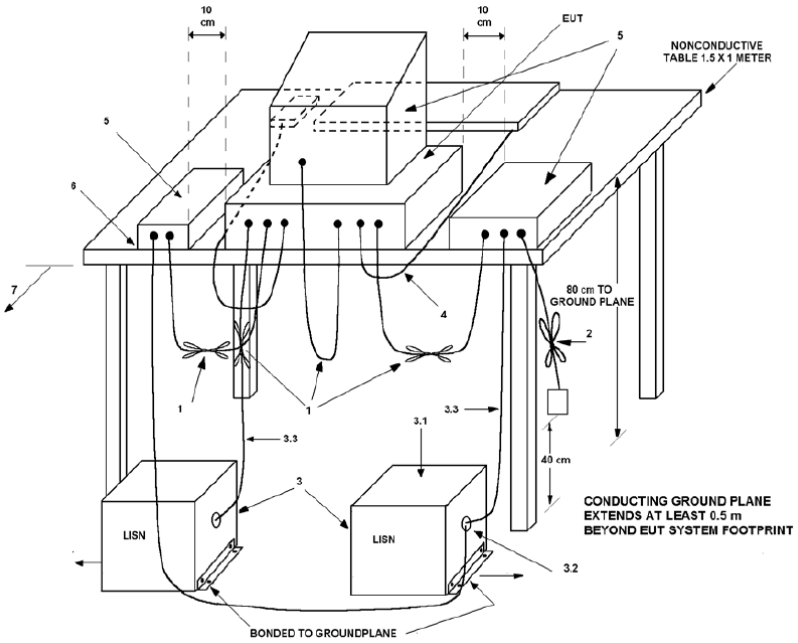
Conducted Method:

Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9020B	WXJ081-1	06-13-2023	06-12-2024

4 Measurement Setup and Procedure

4.1 Test Setup

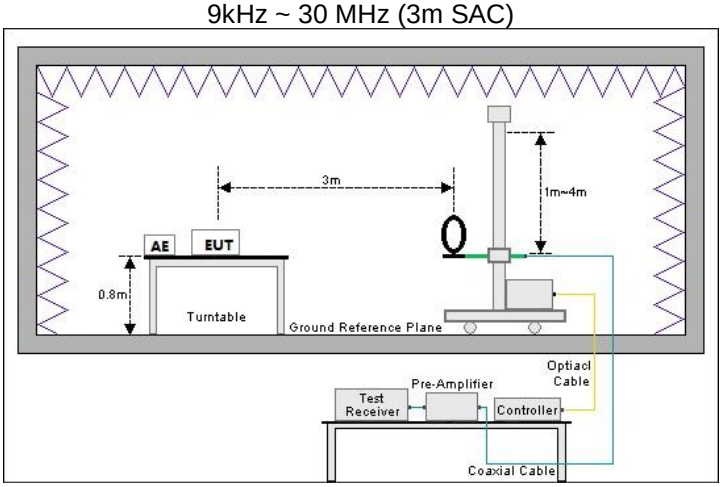
1) Conducted emission measurement:



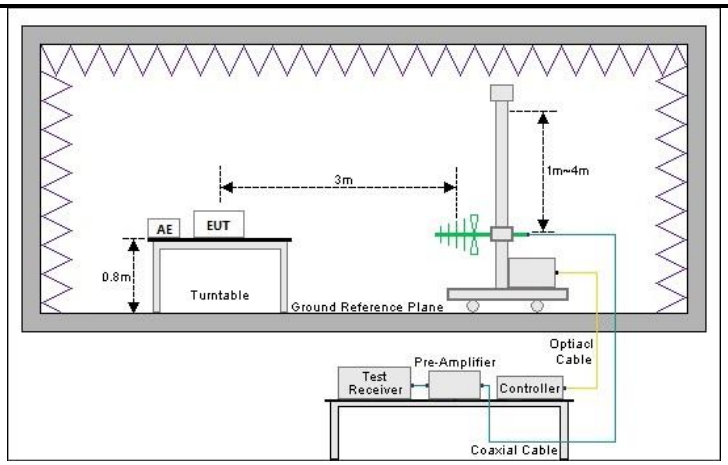
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

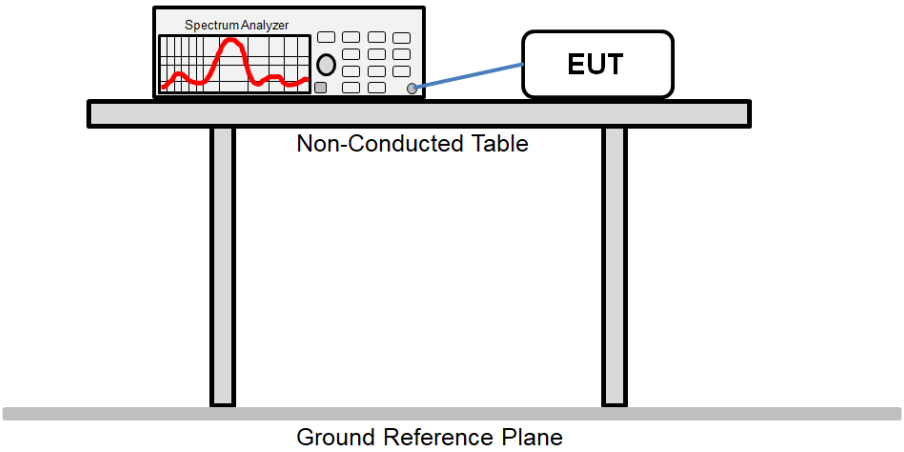
9kHz ~ 30 MHz (3m SAC)



30 MHz ~ 1GHz (3m SAC)



Conducted test method:



4.2 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested， and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The antenna port of EUT was connected to the RF port of the spectrum analyzer through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. The test data is saved by the screenshot function of the spectrum analyzer.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
20dB Bandwidth	15.215(c)	See Section 5.4	Pass
Field Strength of Fundamental	15.225 (a)(b)(c)	See Section 5.5	Pass
Field Strength of Spurious Emissions	15.209 15.225 (d)	See Section 5.6	Pass
Frequency Tolerance	15.225 (e)	See Section 5.7	Pass

Remark:

1. *Pass: The EUT complies with the essential requirements in the standard.*
2. *N/A: Not Applicable.*

Test Method:	*ANSI C63.4-2014* *ANSI C63.10-2013*

5.1.2 Test Limit

<table>
<tr><th>Items</th><th>Limit</th></tr>
<tr><td>AC Power Line Conducted Emission</td><td>
<table>
<tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr>
<tr><th>Quasi-Peak</th><th>Average</th></tr>
<tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr>
<tr><td>0.5 – 5</td><td>56</td><td>46</td></tr>
<tr><td>5 – 30</td><td>60</td><td>50</td></tr>
<tr><td colspan="3">Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency.
Note 2: The more stringent limit applies at transition frequencies.</td></tr>
</table>
</td></tr>
<tr><td>20dB Bandwidth</td><td>N/A</td></tr>
<tr><td>Field Strength of Fundamental

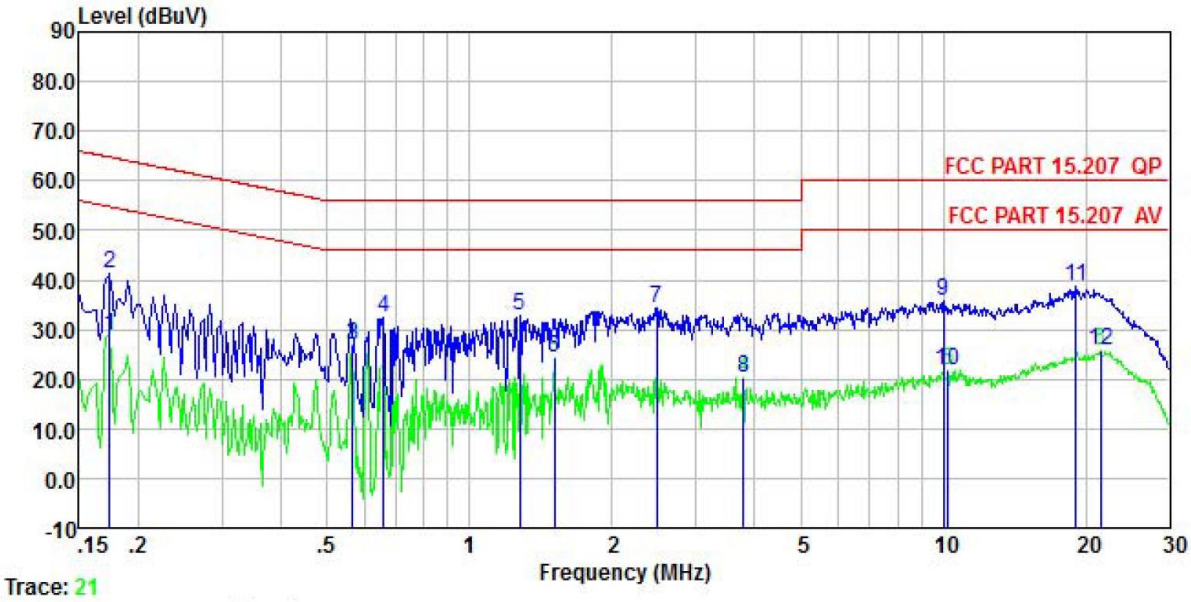
Field Strength of Spurious Emissions</td><td>
(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<tr><td>0.009 – 0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490 – 1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705 – 30.0</td><td>30</td><td>30</td></tr>
<tr><td>30 – 88</td><td>100**</td><td>3</td></tr>
<tr><td>88 – 216</td><td>150**</td><td>3</td></tr>
<tr><td>216 – 960</td><td>200**</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
<tr><td colspan="3">** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</td></tr>
</table>
</td></tr>
<tr><td>Frequency Tolerance</td><td>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.</td></tr>
</table>

5.2 Antenna Requirement

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: 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, 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.	
E.U.T Antenna:	The EUT make use of an induction coil antenna.

5.3 AC Power Line Conducted Emission

Product name:	Mobile Phone	**Product model:**	S666LN
Test by:	Asher	**Test mode:**	NFC mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Line
Test voltage:	AC 120 V/60 Hz		

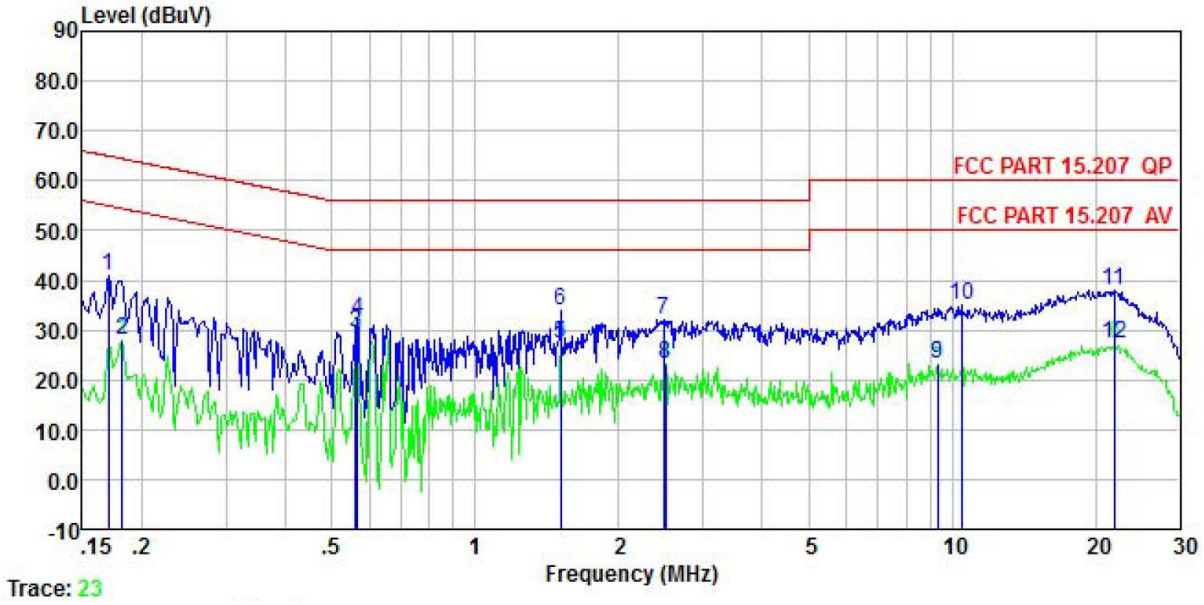


	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.174	18.81	0.20	9.88	0.01	28.90	54.77	-25.87	Average
2	0.174	31.04	0.20	9.88	0.01	41.13	64.77	-23.64	QP
3	0.567	16.96	0.20	9.88	0.02	27.06	46.00	-18.94	Average
4	0.658	22.32	0.20	9.88	0.03	32.43	56.00	-23.57	QP
5	1.276	22.77	0.20	9.88	0.11	32.96	56.00	-23.04	QP
6	1.511	14.11	0.20	9.88	0.15	24.34	46.00	-21.66	Average
7	2.487	23.97	0.20	9.88	0.13	34.18	56.00	-21.82	QP
8	3.779	9.98	0.20	9.89	0.08	20.15	46.00	-25.85	Average
9	10.019	25.35	0.20	9.91	0.13	35.59	60.00	-24.41	QP
10	10.233	11.64	0.20	9.91	0.13	21.88	50.00	-28.12	Average
11	19.021	28.32	0.28	9.95	0.15	38.70	60.00	-21.30	QP
12	21.486	15.26	0.30	9.97	0.17	25.70	50.00	-24.30	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	Mobile Phone	Product model:	S666LN
Test by:	Asher	Test mode:	NFC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.170	30.90	0.20	9.88	0.01	40.99	64.94	-23.95	QP
2	0.182	17.80	0.20	9.88	0.01	27.89	54.42	-26.53	Average
3	0.561	19.37	0.20	9.88	0.02	29.47	46.00	-16.53	Average
4	0.567	21.95	0.20	9.88	0.02	32.05	56.00	-23.95	QP
5	1.511	17.03	0.26	9.88	0.15	27.32	46.00	-18.68	Average
6	1.511	23.57	0.26	9.88	0.15	33.86	56.00	-22.14	QP
7	2.487	21.69	0.30	9.88	0.13	32.00	56.00	-24.00	QP
8	2.500	12.87	0.30	9.88	0.13	23.18	46.00	-22.82	Average
9	9.302	12.94	0.38	9.91	0.12	23.35	50.00	-26.65	Average
10	10.452	24.64	0.40	9.91	0.12	35.07	60.00	-24.93	QP
11	21.830	27.47	0.38	9.98	0.16	37.99	60.00	-22.01	QP
12	21.946	16.57	0.38	9.98	0.16	27.09	50.00	-22.91	Average

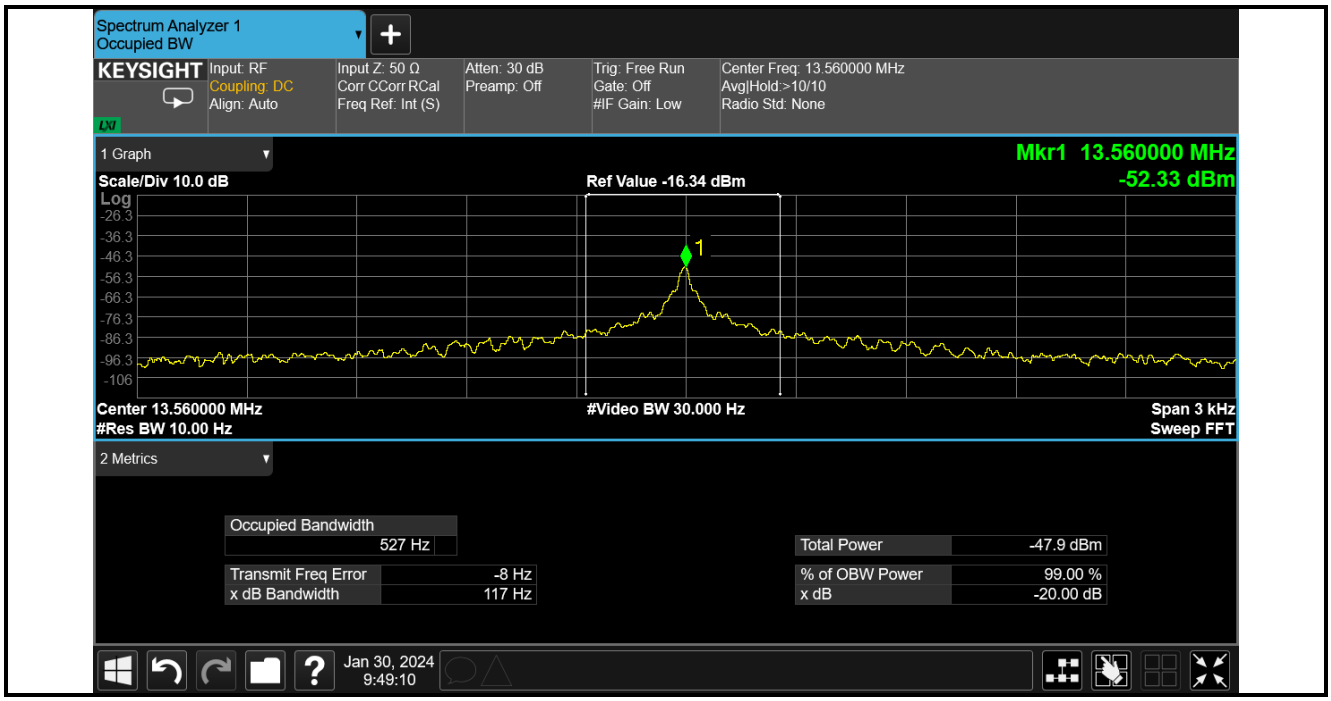
Remark:

1. Level = Read level + LISN Factor + Cable Loss.

5.4 20dB Bandwidth

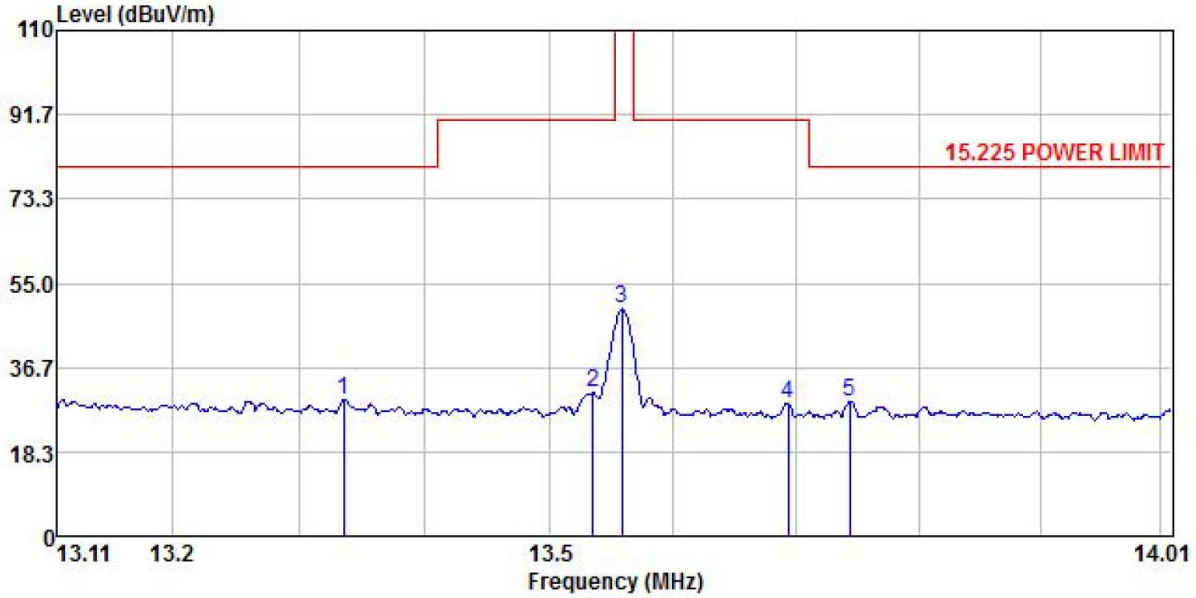
20dB bandwidth (kHz)	Limit (kHz)	Results
0.117	11.2	Passed
Note: *For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz.*		

Test plot as follows:



5.5 Field Strength of Fundamental

Product Name:	Mobile Phone	Product Model:	S666LN
Test By:	Robin	Test mode:	NFC Tx mode
Test Voltage:	DC 3.91V	Polarization:	Coxial

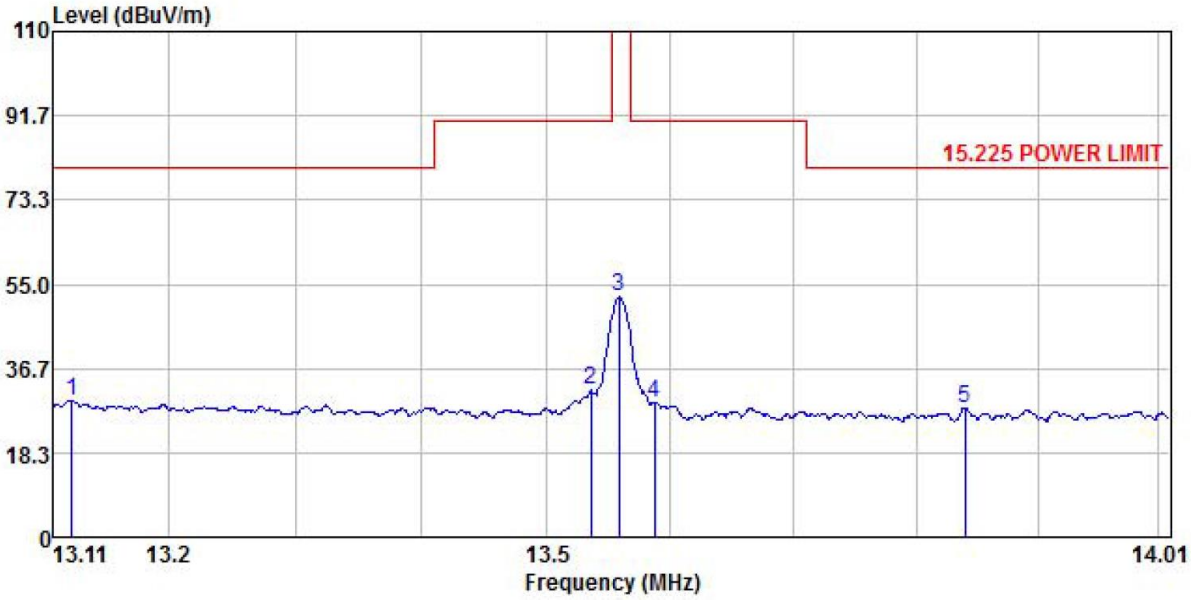


	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.336	9.63	19.63	0.40	0.00	29.66	80.50	-50.84	Peak
2	13.535	11.15	19.59	0.41	0.00	31.15	90.50	-59.35	Peak
3	13.558	29.44	19.59	0.41	0.00	49.44	124.00	-74.56	Peak
4	13.693	8.87	19.57	0.42	0.00	28.86	90.50	-61.64	Peak
5	13.744	9.37	19.54	0.43	0.00	29.34	80.50	-51.16	Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

Product Name:	Mobile Phone	Product Model:	S666LN
Test By:	Robin	Test mode:	NFC Tx mode
Test Voltage:	DC 3.91V	Polarization:	Coplanar



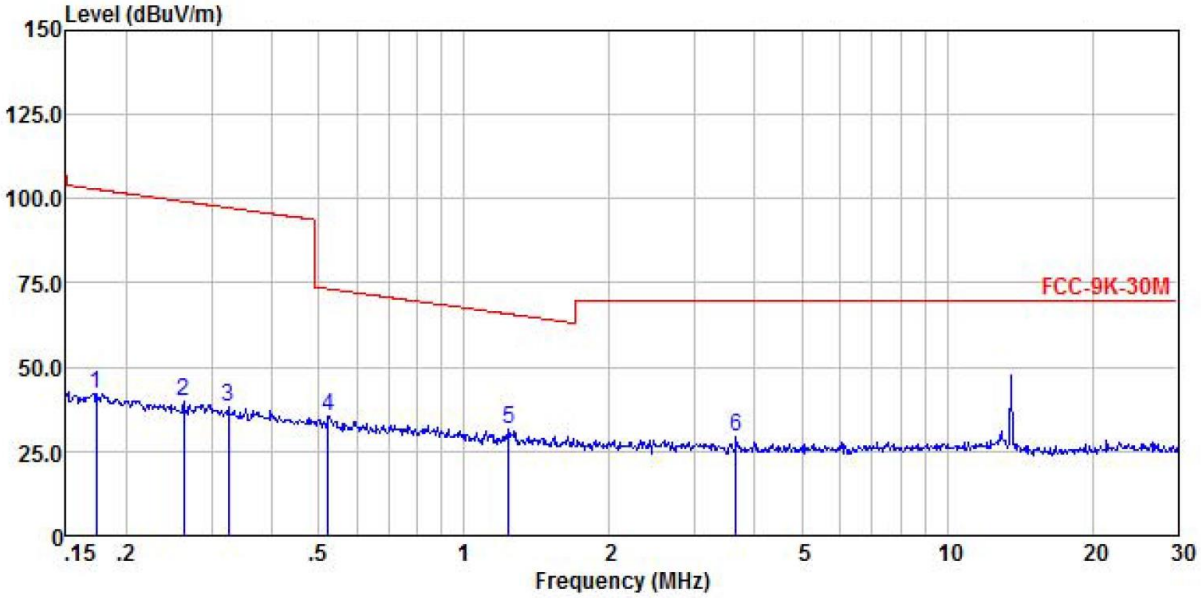
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.124	9.59	19.68	0.39	0.00	29.66	80.50	-50.84	Peak
2	13.535	11.95	19.59	0.41	0.00	31.95	90.50	-58.55	Peak
3	13.558	32.21	19.59	0.41	0.00	52.21	124.00	-71.79	Peak
4	13.587	9.31	19.59	0.41	0.00	29.31	90.50	-61.19	Peak
5	13.840	8.17	19.52	0.43	0.00	28.12	80.50	-52.38	Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

5.6 Field Strength of Spurious Emissions

Product Name:	Mobile Phone	**Product Model:**	S666LN
Test By:	Robin	**Test mode:**	NFC Tx mode
Test Frequency:	150 kHz – 30 MHz	**Polarization:**	Coxial
Test Voltage:	DC 3.91V		



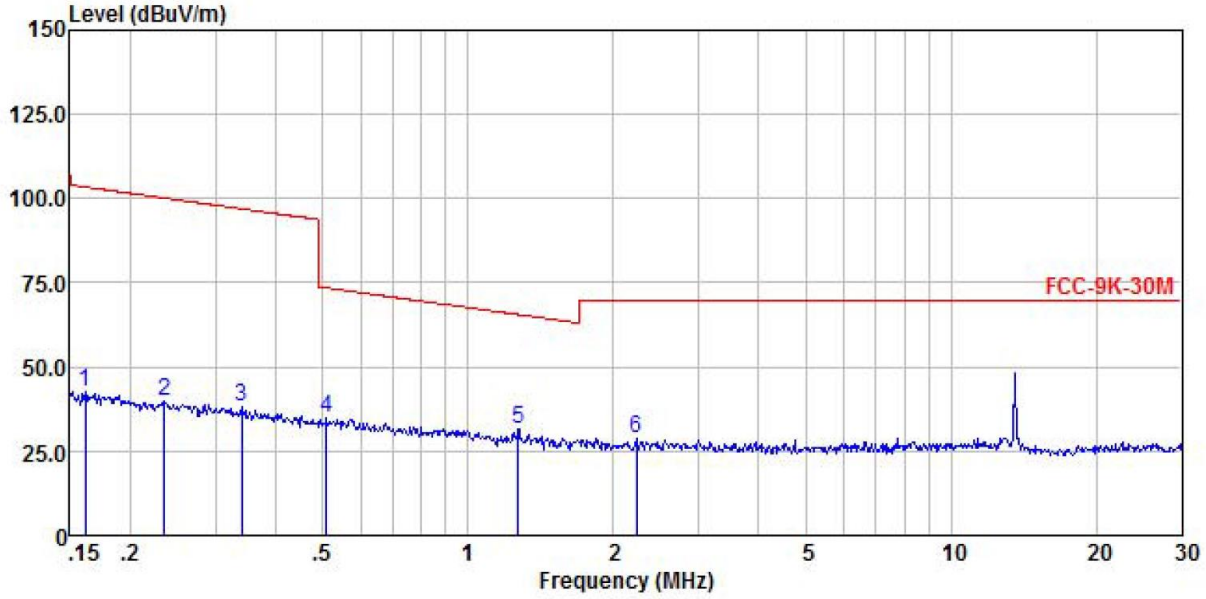
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.173	22.03	20.27	0.03	0.00	42.33	102.86	-60.53	Peak
2	0.263	19.24	20.48	0.05	0.00	39.77	99.21	-59.44	Peak
3	0.325	17.56	20.59	0.06	0.00	38.21	97.37	-59.16	Peak
4	0.524	14.66	20.78	0.09	0.00	35.53	73.22	-37.69	Peak
5	1.236	10.88	20.48	0.17	0.00	31.53	65.79	-34.26	Peak
6	3.661	8.90	20.28	0.25	0.00	29.43	69.50	-40.07	Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, so not show in test report.

Product Name:	Mobile Phone	Product Model:	S666LN
Test By:	Robin	Test mode:	NFC Tx mode
Test Frequency:	150 kHz – 30 MHz	Polarization:	Coplanar
Test Voltage:	DC 3.91V		



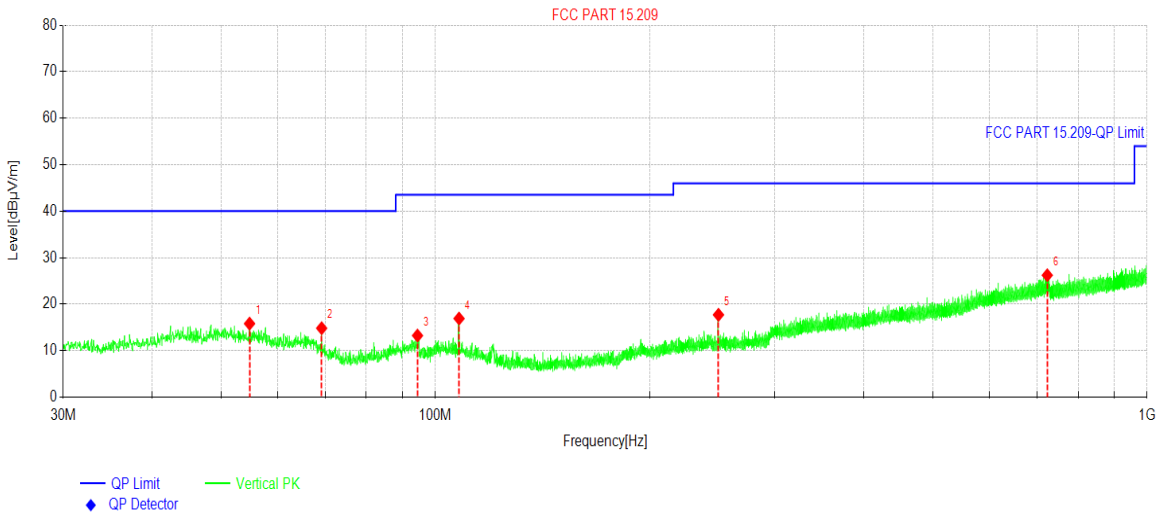
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.162	22.25	20.24	0.03	0.00	42.52	103.46	-60.94	Peak
2	0.235	19.53	20.42	0.05	0.00	40.00	100.18	-60.18	Peak
3	0.339	17.50	20.61	0.06	0.00	38.17	97.00	-58.83	Peak
4	0.510	14.22	20.79	0.08	0.00	35.09	73.45	-38.36	Peak
5	1.269	10.89	20.48	0.17	0.00	31.54	65.56	-34.02	Peak
6	2.237	7.99	20.43	0.19	0.00	28.61	69.50	-40.89	Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, so not show in test report.

Product Name:	Mobile Phone	Product Model:	S666LN
Test By:	Robin	Test mode:	NFC Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 3.91V		

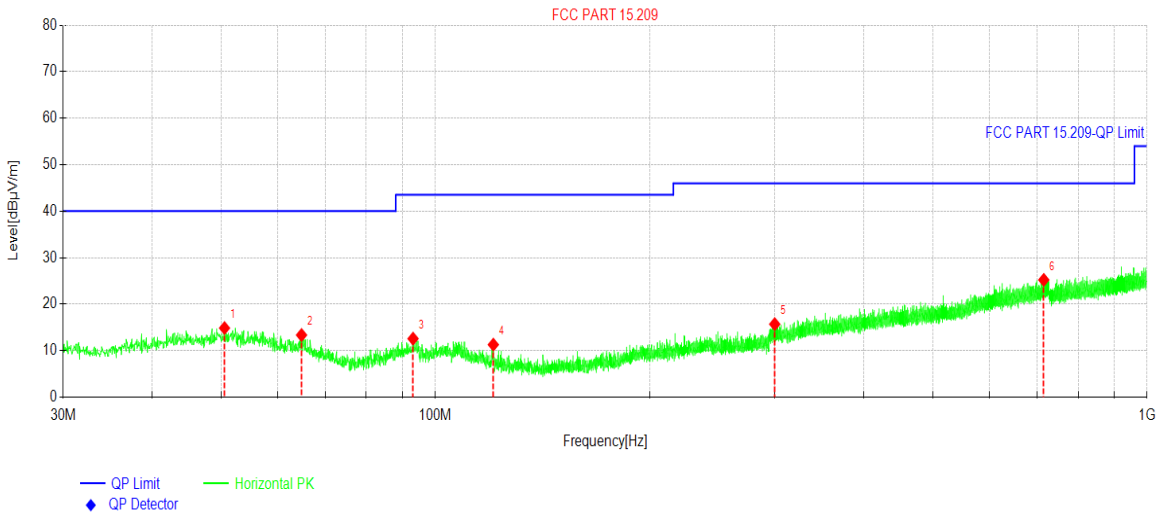


Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	54.8332	28.62	-12.81	15.81	40.00	24.19	PK	Vertical
2	69.2385	31.59	-16.77	14.82	40.00	25.18	PK	Vertical
3	94.4112	28.82	-15.58	13.24	43.50	30.26	PK	Vertical
4	107.991	31.54	-14.64	16.90	43.50	26.60	PK	Vertical
5	249.958	31.19	-13.49	17.70	46.00	28.30	PK	Vertical
6	724.166	30.80	-4.58	26.22	46.00	19.78	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Mobile Phone	Product Model:	S666LN
Test By:	Robin	Test mode:	NFC Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 3.91V		



Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	50.5650	27.49	-12.63	14.86	40.00	25.14	PK	Horizontal
2	64.8732	28.07	-14.72	13.35	40.00	26.65	PK	Horizontal
3	93.0532	28.35	-15.78	12.57	43.50	30.93	PK	Horizontal
4	120.651	28.12	-16.83	11.29	43.50	32.21	PK	Horizontal
5	299.867	28.60	-12.91	15.69	46.00	30.31	PK	Horizontal
6	716.018	29.94	-4.72	25.22	46.00	20.78	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

5.7 Frequency Tolerance

Frequency Stability V.S. Temperature Measurement:

Voltage (Vdc)	Temperature (℃)	Frequency Tolerance (kHz)	Frequency Error (%)	Limit (%)	Results
3.91	-20	-0.015	-0.0001	±0.01	Pass
	-10	-0.011	-0.0001	±0.01	Pass
	0	0.004	0.0000	±0.01	Pass
	10	0.016	0.0001	±0.01	Pass
	20	0.008	0.0001	±0.01	Pass
	30	0.006	0.0000	±0.01	Pass
	40	0.014	0.0001	±0.01	Pass
	50	-0.013	-0.0001	±0.01	Pass

Frequency Stability V.S. Voltage Measurement:

Temperature (℃)	Voltage (Vdc)	Frequency Tolerance (kHz)	Frequency Error (%)	Limit (%)	Results
25	3.91	-0.007	-0.0001	±0.01	Pass
	3.45	0.011	0.0001	±0.01	Pass
	4.5	-0.013	-0.0001	±0.01	Pass

------End of report------