



FCC - TEST REPORT

Report Number : **68.760.18.0338.01** Date of Issue: July 19, 2018

Model : **Moby/M100**

Product Type : POS Tablet

Applicant : Ingenico Inc.

Address : 101 Federal St, Suite 700, 7th flr, Boston, MA 02110, United States

Manufacturer : Ingenico Inc.

Address : 101 Federal St, Suite 700, 7th flr, Boston, MA 02110, United States

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including Appendices : **31**

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch is a subcontractor to TÜV SÜD Product Service GmbH according to the principles outlined in ISO 17025.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities in Europe for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval.

1 Table of Contents

1	Table of Contents.....	2
2	Details about the Test Laboratory.....	3
3	Description of the Equipment Under Test.....	4
4	Summary of Test Standards.....	5
5	Summary of Test Results.....	6
6	General Remarks.....	7
7	Emission Test Results.....	8
7.1	Radiated Emission Test 30MHz – 1000MHz	8
7.2	Radiated Emission Test 1000MHz – 18000MHz.....	18
7.3	Conducted Emission Test 0.15MHz – 30MHz.....	25



2 Details about the Test Laboratory

Details about the Test Laboratory

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, Nanshan District,
518052 Shenzhen, CHINA

FCC Registration Number: 514049

IC Registration Number: 10320A-1

Telephone: 86 755 8828 6998
Fax: 86 755 8828 5299

3 Description of the Equipment Under Test

Description of the Equipment Under Test

Product:	POS Tablet
Model no.:	Moby/M100
Serial number:	NIL
FCC ID:	2AOMA-M100
Options and accessories:	NIL
Rated Input:	3.8Vdc, 7000mAh (supplied by an internal rechargeable battery Pack) or 5Vdc, 3A (Supplied by an External adapter, Model: DSA-24CB-05 Input: 100-240VAC, 50/60Hz, 0.8A Output: 5VDC, 3.0A)
Description of the EUT:	The Equipment Under Test (EUT) is a POS Tablet supports 2.4GHz Bluetooth/Wi-Fi, 5GHz Wi-Fi functions.

4 Summary of Test Standards

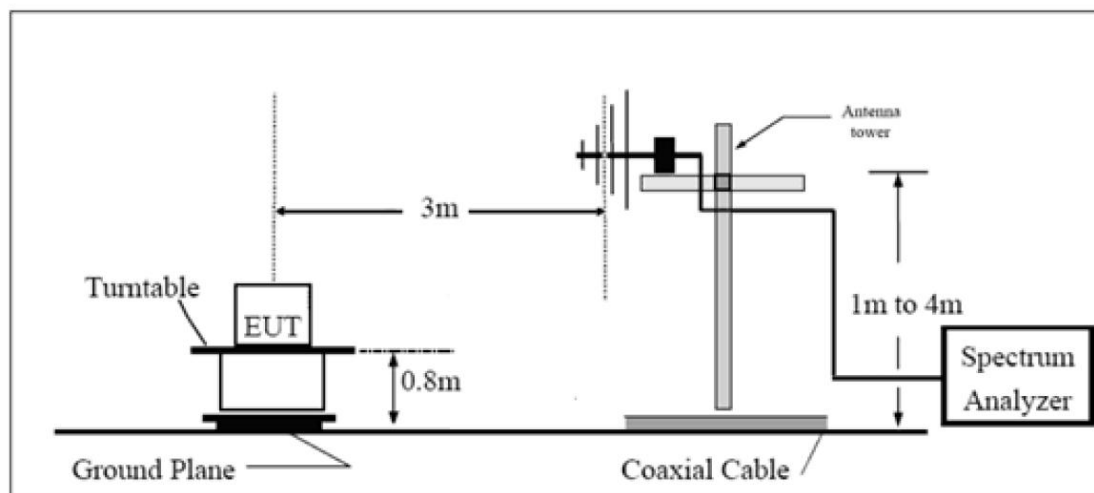
Test Standards	
FCC Part 15 Subpart B, 10-1-2017 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart B - Unintentional Radiators

Test Method

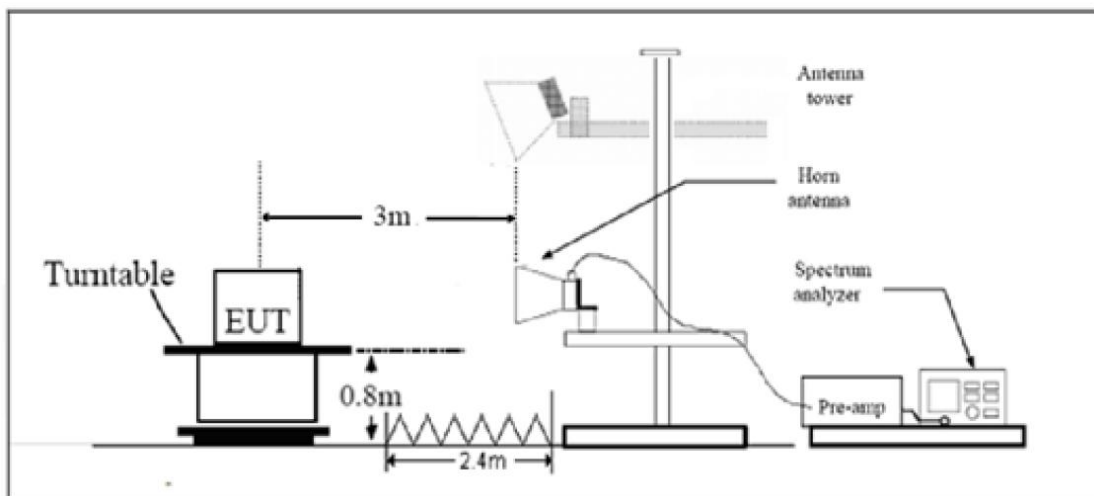
1: ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

Test Setup

Below 1GHz



Above 1GHz



5 Summary of Test Results

Emission Tests				
FCC Part 15 Subpart B,10-1-2017 Edition				
Test Condition Class B	Pages	Test Result		
		Pass	Fail	N/A
Radiated Emission * 30MHz to 1000MHz	8	☒	☐	☐
Radiated Emission * 1GHz to 18GHz	18	☒	☐	☐
Conducted Emission on AC * 150kHz to 30MHz	25	☒	☐	☐

Remark: All test modes were performed and the worst case was shown on the report.

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted Emission 150kHz-30MHz (for test using AMN ENV216 or ENV4200)	3.46dB
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.99dB; Vertical: 4.97dB;
Uncertainty for Radiated Emission in 3m chamber 1000MHz-18000MHz	Horizontal: 4.96dB; Vertical: 4.95dB;

6 General Remarks

Remarks

The Model: Moby/M100 supports Bluetooth BR+EDR/Bluetooth Low Energy/Wi-Fi functions, the TX and RX range is 2402MHz-2480MHz for Bluetooth, 2412MHz – 2462MHz for 2.4GHz Wi-Fi, 5180MHz – 5320MHz, 5500MHz – 5700MHz, 5745MHz – 5825MHz for 5GHz Wi-Fi.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - Not Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: June 01, 2018

Testing Start Date: June 01, 2018

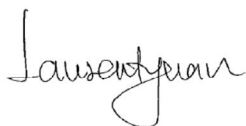
Testing End Date: July 04, 2018

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch-

Reviewed by:

Prepared by:

Tested by:



Laurent Yuan
EMC Project Manager



Aaron Lai
EMC Project Engineer

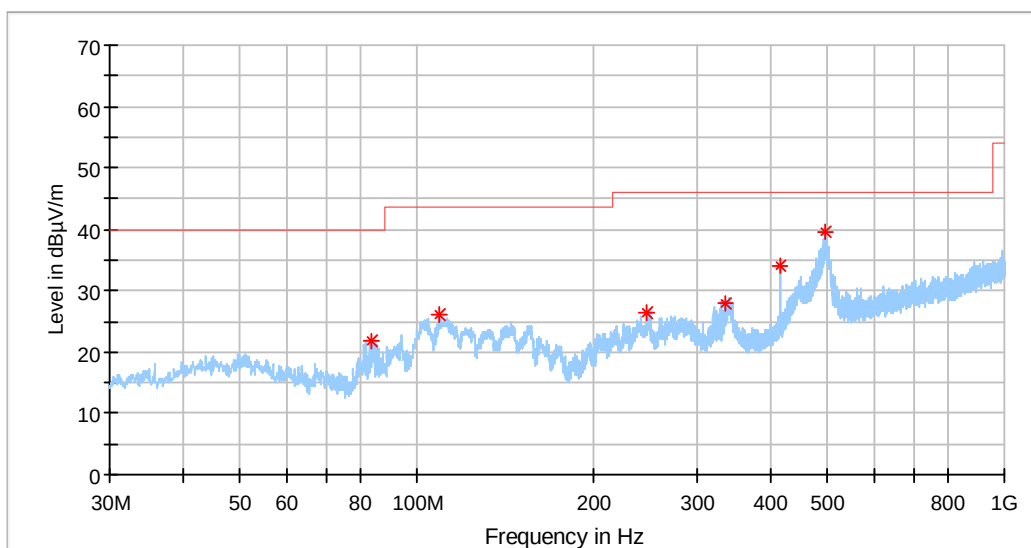


Tree Zhang
EMC Test Engineer

7 Emission Test Results

7.1 Radiated Emission Test 30MHz – 1000MHz

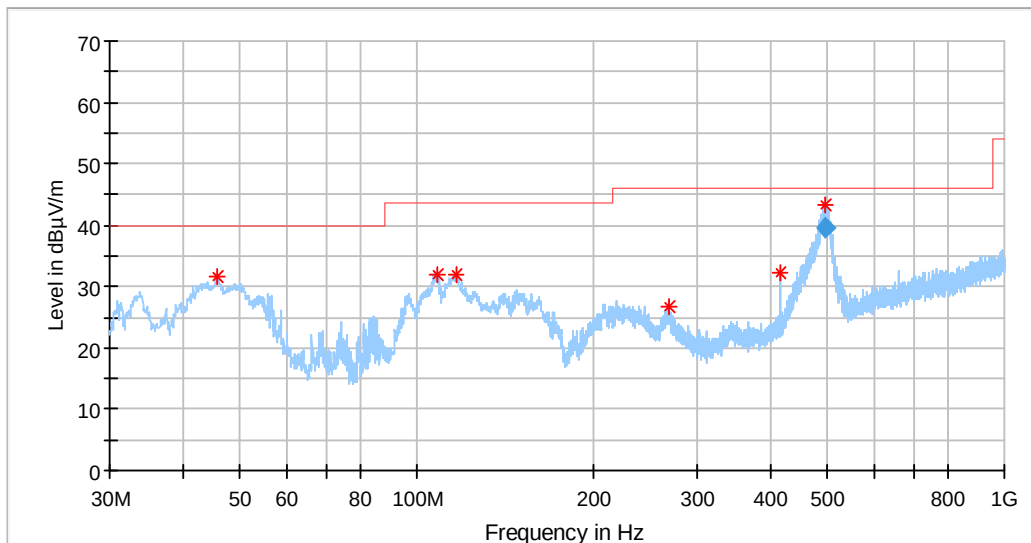
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4GHz WIFI LINK + Charging
 Test Specification : Horizontal
 Comment : AC 120V/60Hz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
83.895625	21.91	40.00	18.09	200.0	H	0.0	12.3
109.418750	25.95	43.50	17.55	100.0	H	0.0	15.8
246.855625	26.39	46.00	19.61	100.0	H	30.0	17.7
335.974375	27.95	46.00	18.05	100.0	H	0.0	20.2
415.999375	34.10	46.00	11.90	200.0	H	343.0	21.9
496.388125	39.49	46.00	6.51	100.0	H	108.0	23.7

Radiated Emission Test 30MHz – 1000MHz

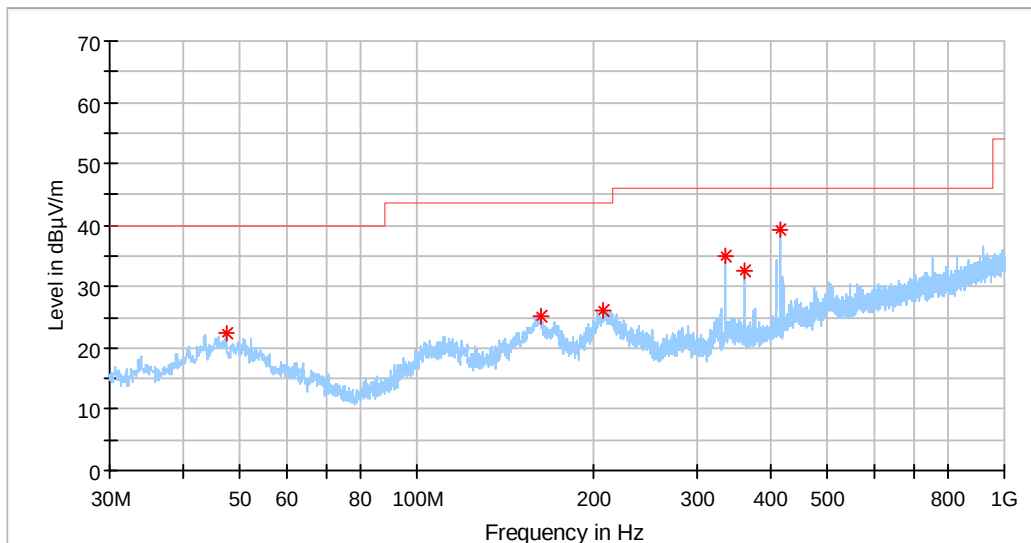
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4GHz WIFI LINK + Charging
 Test Specification : Vertical
 Comment : AC 120V/60Hz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.701875	31.71	40.00	8.29	100.0	V	0.0	18.0
108.448750	31.84	43.50	11.66	100.0	V	33.0	16.1
116.815000	31.91	43.50	11.59	100.0	V	41.0	15.4
267.953125	26.67	46.00	19.33	100.0	V	0.0	18.6
415.999375	32.33	46.00	13.67	100.0	V	103.0	22.2
495.088438	39.60	46.00	6.40	115.0	V	354.0	24.0

Radiated Emission Test 30MHz – 1000MHz

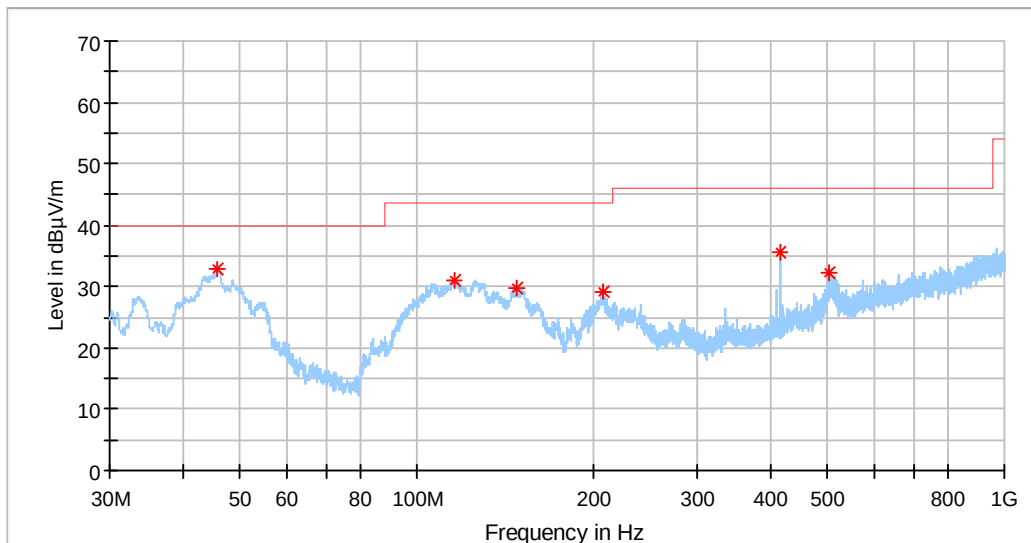
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Recording + Charging
 Test Specification : Horizontal
 Comment : AC 120V/60Hz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
47.338750	22.40	40.00	17.60	100.0	H	171.0	17.7
162.223125	25.24	43.50	18.26	200.0	H	218.0	13.1
207.570625	26.07	43.50	17.43	100.0	H	179.0	16.1
335.974375	35.13	46.00	10.87	100.0	H	194.0	20.2
359.981875	32.49	46.00	13.51	100.0	H	210.0	20.5
415.999375	39.40	46.00	6.60	200.0	H	195.0	21.9

Radiated Emission Test 30MHz – 1000MHz

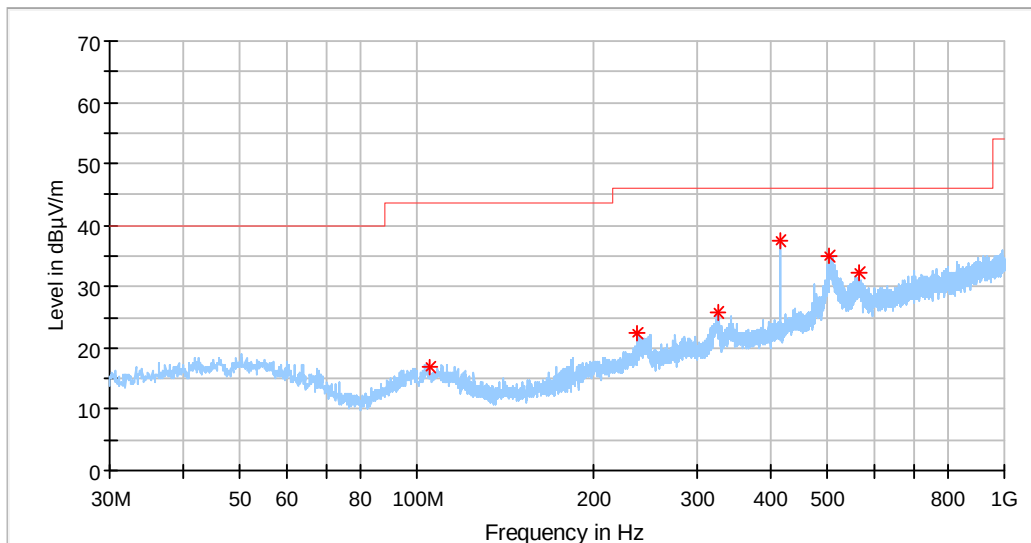
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Recording + Charging
 Test Specification : Vertical
 Comment : AC 120V/60Hz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.823125	32.74	40.00	7.26	100.0	V	61.0	18.0
115.905625	30.90	43.50	12.60	100.0	V	0.0	15.5
147.673125	29.65	43.50	13.85	100.0	V	123.0	12.8
206.964375	29.14	43.50	14.36	100.0	V	116.0	16.3
415.999375	35.60	46.00	10.40	100.0	V	210.0	22.2
504.026875	32.19	46.00	13.81	100.0	V	178.0	24.0

Radiated Emission Test 30MHz – 1000MHz

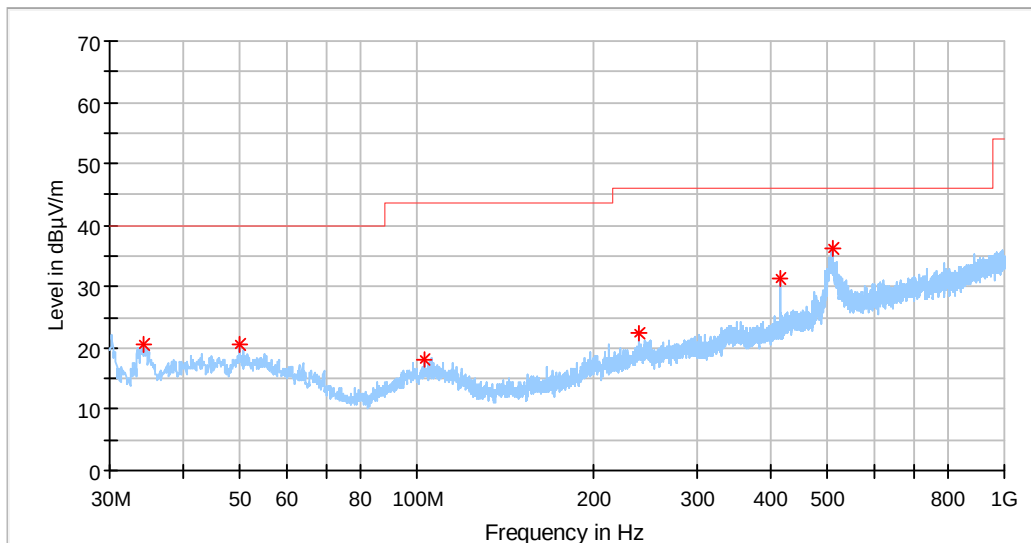
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Video Playing
 Test Specification : Horizontal
 Comment : 3.8VDC
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
104.932500	16.76	43.50	26.74	200.0	H	156.0	16.1
237.822500	22.46	46.00	23.54	200.0	H	329.0	17.6
324.455625	25.68	46.00	20.32	100.0	H	0.0	19.5
415.999375	37.57	46.00	8.43	100.0	H	203.0	21.9
503.723750	34.87	46.00	11.13	200.0	H	54.0	23.7
565.925000	32.10	46.00	13.90	200.0	H	322.0	24.8

Radiated Emission Test 30MHz – 1000MHz

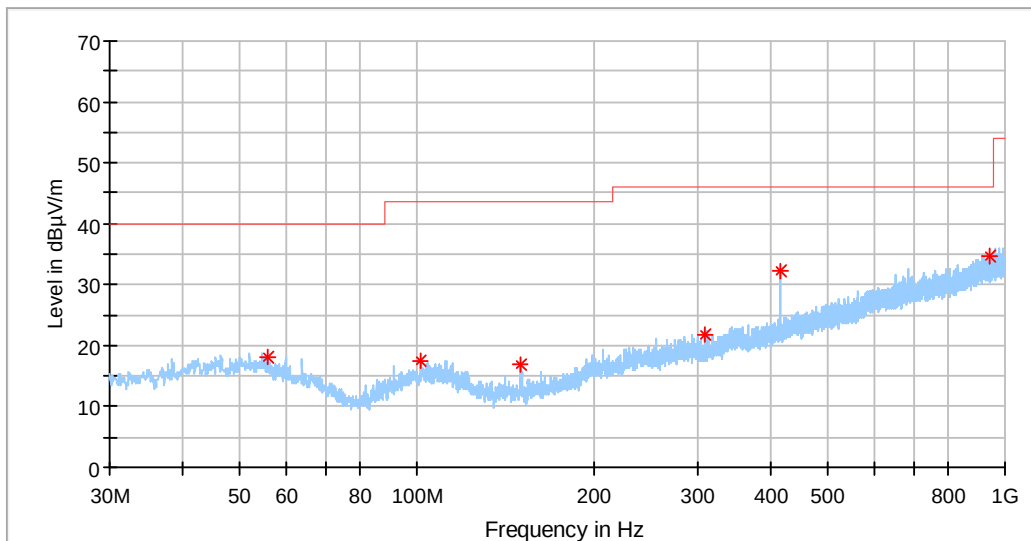
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Video Playing
 Test Specification : Vertical
 Comment : 3.8VDC
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.183125	20.62	40.00	19.38	100.0	V	305.0	15.9
50.006250	20.49	40.00	19.51	100.0	V	148.0	18.0
102.810625	18.00	43.50	25.50	200.0	V	0.0	16.3
238.489375	22.47	46.00	23.53	200.0	V	0.0	18.0
415.999375	31.33	46.00	14.67	200.0	V	266.0	22.2
510.089375	36.31	46.00	9.69	100.0	V	0.0	23.8

Radiated Emission Test 30MHz – 1000MHz

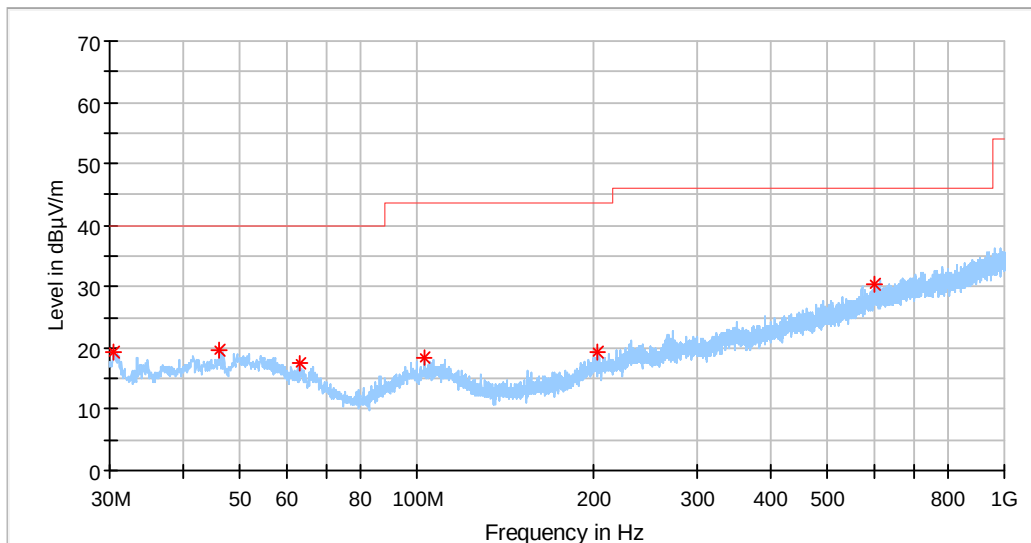
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Reading Card
 Test Specification : Horizontal
 Comment : 3.8VDC
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
55.583750	18.25	40.00	21.75	200.0	H	77.0	17.5
101.598125	17.49	43.50	26.01	200.0	H	54.0	16.2
150.401250	16.78	43.50	26.72	200.0	H	0.0	12.4
309.360000	21.87	46.00	24.13	200.0	H	0.0	18.9
415.999375	32.14	46.00	13.86	200.0	H	0.0	21.9
944.043125	34.66	46.00	11.34	200.0	H	0.0	31.1

Radiated Emission Test 30MHz – 1000MHz

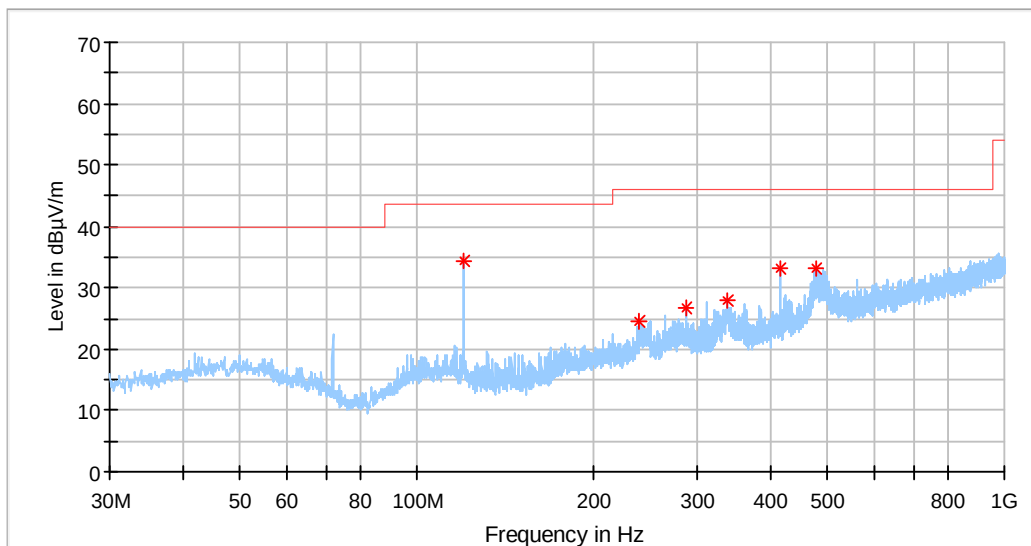
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Reading Card
 Test Specification : Vertical
 Comment : 3.8VDC
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.545625	19.39	40.00	20.61	100.0	V	0.0	15.0
46.186875	19.72	40.00	20.28	200.0	V	0.0	18.1
63.404375	17.62	40.00	22.38	100.0	V	0.0	16.0
102.931875	18.34	43.50	25.16	200.0	V	31.0	16.3
202.417500	19.26	43.50	24.24	200.0	V	54.0	16.3
599.693125	30.47	46.00	15.53	100.0	V	196.0	26.3

Radiated Emission Test 30MHz – 1000MHz

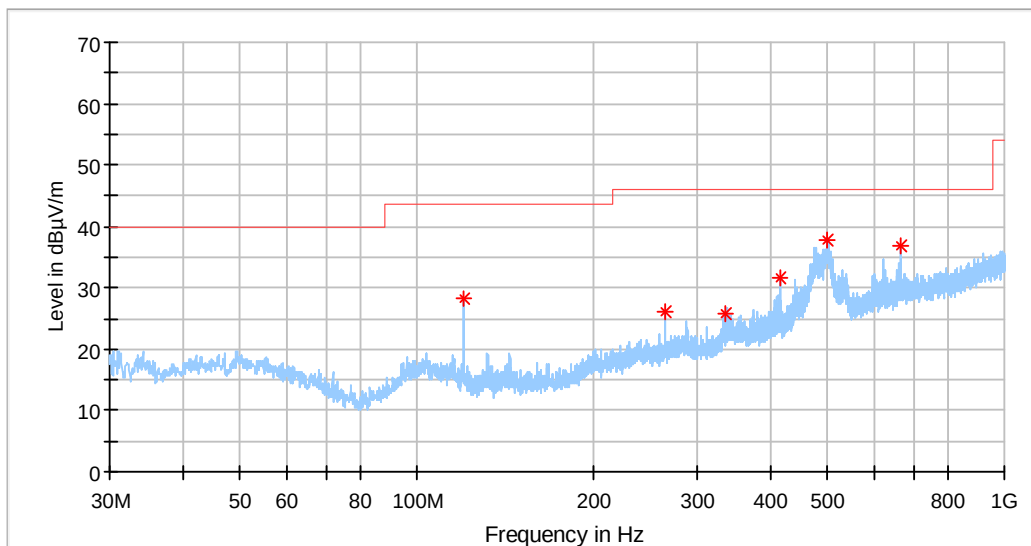
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Connect to PC
 Test Specification : Horizontal
 Comment : 3.8VDC
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
119.967500	34.28	43.50	9.22	100.0	H	356.0	14.5
239.035000	24.61	46.00	21.39	100.0	H	15.0	17.7
287.959375	26.62	46.00	19.38	100.0	H	38.0	18.9
337.914375	27.85	46.00	18.15	100.0	H	15.0	20.3
415.999375	33.12	46.00	12.88	100.0	H	338.0	21.9
477.291250	33.29	46.00	12.71	200.0	H	306.0	23.1

Radiated Emission Test 30MHz – 1000MHz

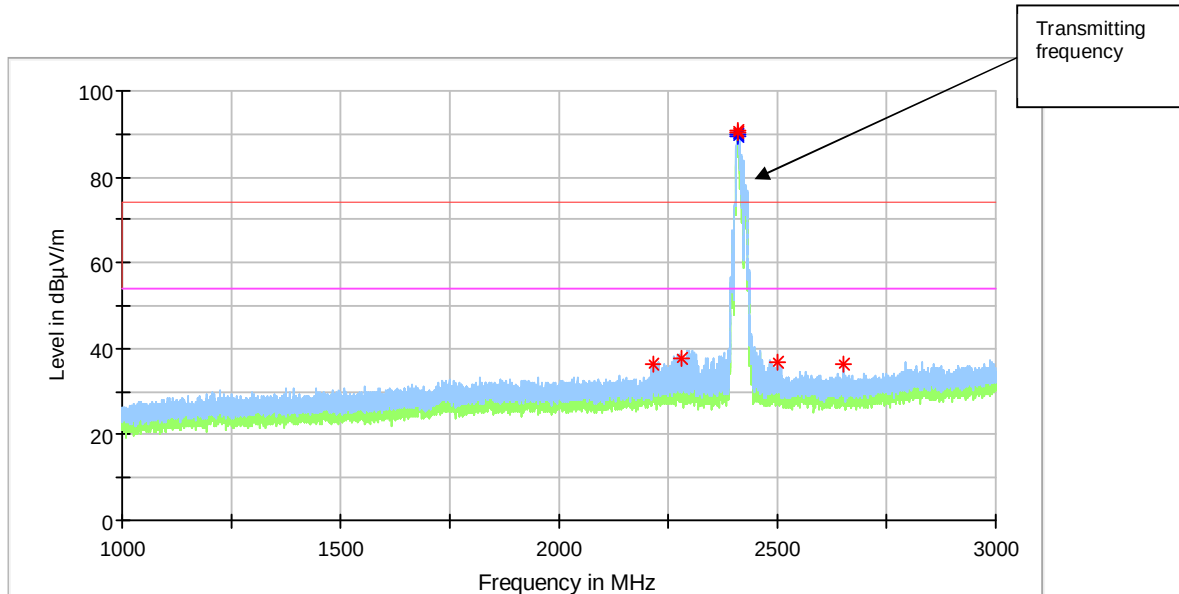
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Connect to PC
 Test Specification : Vertical
 Comment : 3.8VDC
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
119.967500	28.15	43.50	15.35	100.0	V	338.0	14.8
264.012500	26.00	46.00	20.00	200.0	V	350.0	18.5
334.943750	25.85	46.00	20.15	200.0	V	118.0	20.4
415.999375	31.74	46.00	14.26	100.0	V	61.0	22.2
498.510000	37.85	46.00	8.15	100.0	V	0.0	24.1
665.168125	36.73	46.00	9.27	100.0	V	85.0	27.1

7.2 Radiated Emission Test 1000MHz – 18000MHz

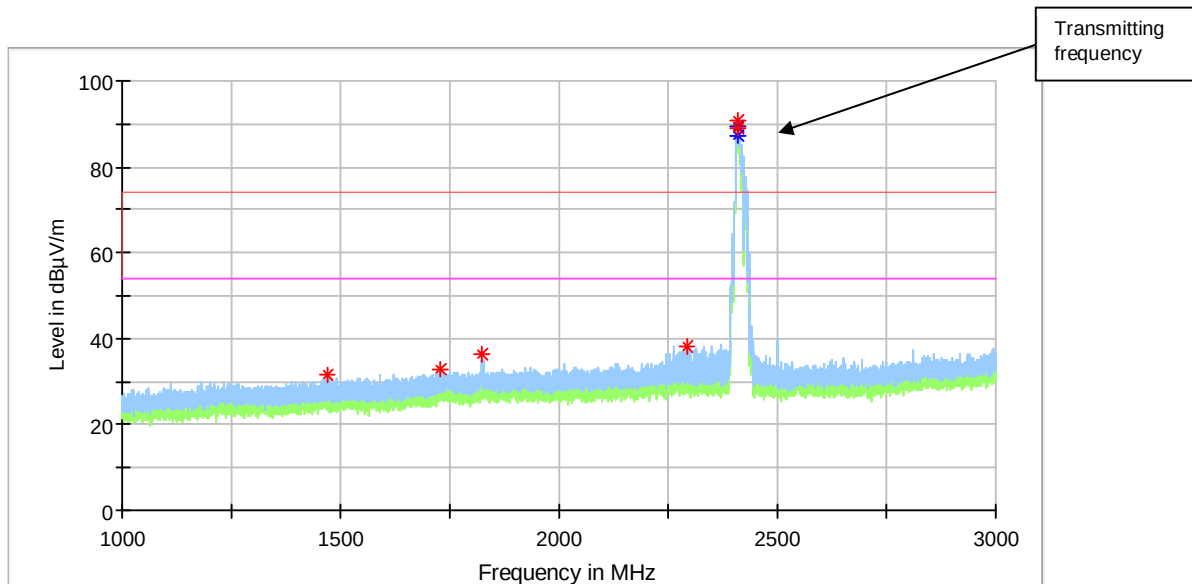
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4 GHz WIFI LINK + Charging
 Test Specification : Horizontal
 Comment : AC 120V/60Hz
 Frequency : 1GHz – 3GHz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2215.833333	36.41	---	74.00	37.59	100.0	H	0.0	-8.5
2278.916667	37.94	---	74.00	36.06	100.0	H	0.0	-8.4
2499.916667	36.81	---	74.00	37.19	100.0	H	7.0	-7.7
2652.083333	36.32	---	74.00	37.68	100.0	H	311.0	-6.9

Radiated Emission Test 1000MHz – 18000MHz

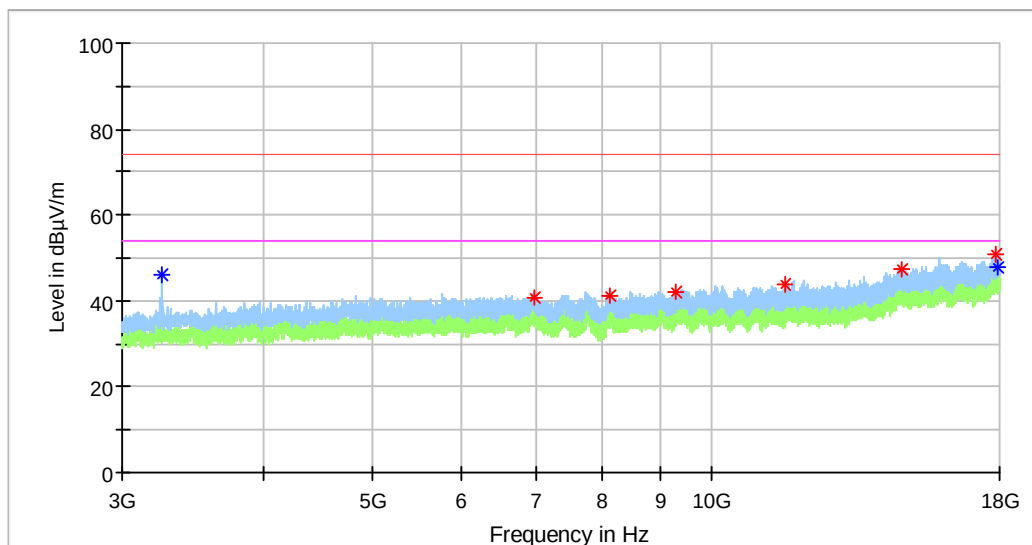
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4 GHz WIFI LINK + Charging
 Test Specification : Vertical
 Comment : AC 120V/60Hz
 Frequency : 1GHz – 3GHz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1469.416667	31.66	---	74.00	42.34	100.0	V	297.0	-12.6
1727.166667	32.96	---	74.00	41.04	100.0	V	0.0	-10.2
1824.916667	36.47	---	74.00	37.53	100.0	V	70.0	-9.3
2291.250000	38.27	---	74.00	35.73	100.0	V	0.0	-8.2

Radiated Emission Test 1000MHz – 18000MHz

Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4GHz WIFI LINK + Charging
 Test Specification : Horizontal
 Comment : AC 120V/60Hz
 Frequency : 3GHz – 18GHz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017

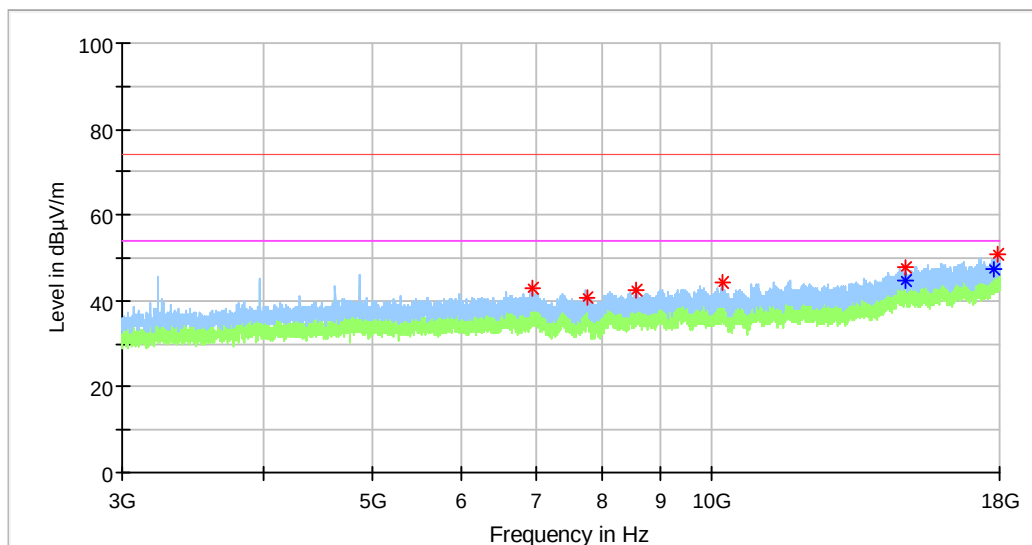


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3257.500000	---	45.89	54.00	8.11	100.0	H	212.0	-3.4
6961.250000	40.81	---	74.00	33.19	100.0	H	175.0	2.8
8120.000000	41.34	---	74.00	32.66	100.0	H	0.0	4.5
9303.125000	42.17	---	74.00	31.83	100.0	H	212.0	5.3
11613.125000	43.65	---	74.00	30.35	100.0	H	0.0	7.5
14763.125000	47.56	---	74.00	26.44	100.0	H	0.0	14.2
17867.500000	50.78	---	74.00	23.22	100.0	H	175.0	18.0
17956.875000	---	47.59	54.00	6.41	100.0	H	0.0	18.3

Remark: The emission of the measurement within 18GHz - 25GHz are the noise or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.

Radiated Emission Test 1000MHz – 18000MHz

Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4GHz WIFI LINK + Charging
 Test Specification : Vertical
 Comment : AC 120V/60Hz
 Frequency : 3GHz – 18GHz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017

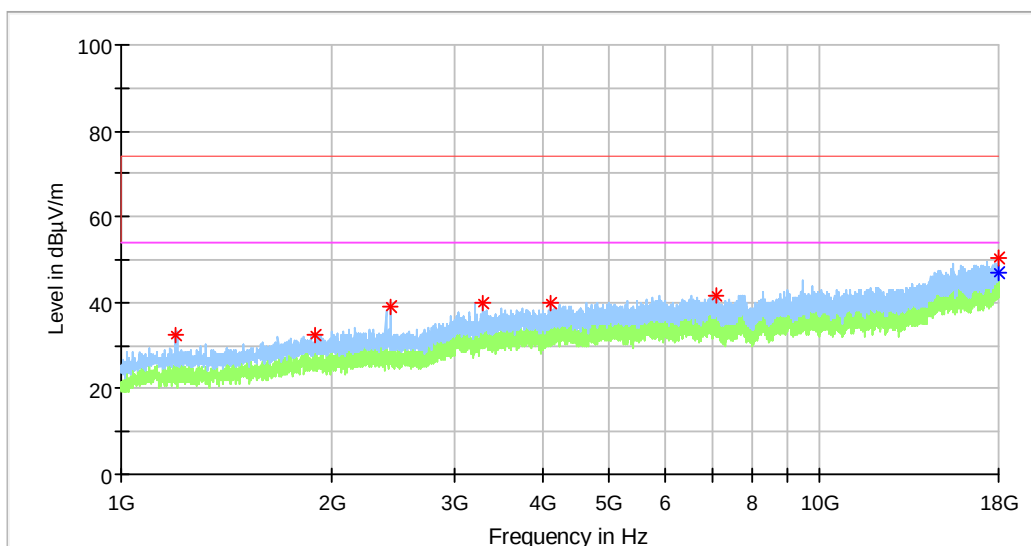


Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6932.500000	43.15	---	74.00	30.85	100.0	V	5.0	3.0
7756.875000	40.99	---	74.00	33.01	100.0	V	111.0	4.3
8555.625000	42.60	---	74.00	31.40	100.0	V	0.0	4.8
10241.875000	44.33	---	74.00	29.67	100.0	V	355.0	6.2
14838.750000	---	44.81	54.00	9.19	100.0	V	86.0	14.4
14838.750000	47.83	---	74.00	26.17	100.0	V	86.0	14.4
17797.500000	---	47.17	54.00	6.83	100.0	V	274.0	18.1
17916.875000	50.77	---	74.00	23.23	100.0	V	348.0	18.3

Remark: The emission of the measurement within 18GHz - 25GHz are the noise or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.

Radiated Emission Test 1000MHz – 18000MHz

Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Connect to PC
 Test Specification : Horizontal
 Comment : AC 120V/60Hz
 Frequency : 1GHz – 18GHz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017

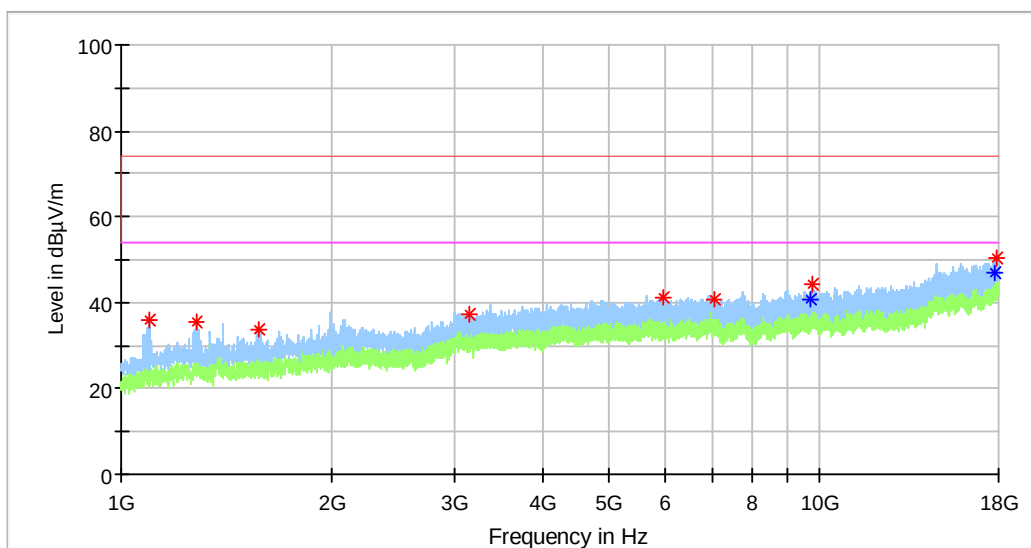


Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1194.083333	32.31	---	74.00	41.69	100.0	H	0.0	-14.5
1899.583333	32.32	---	74.00	41.68	100.0	H	0.0	-9.5
2429.416667	39.14	---	74.00	34.86	100.0	H	0.0	-7.8
3281.541667	39.97	---	74.00	34.03	100.0	H	0.0	-3.2
4119.500000	39.93	---	74.00	34.07	100.0	H	0.0	-1.1
7083.875000	41.70	---	74.00	32.30	100.0	H	0.0	2.5
17985.833333	50.61	---	74.00	23.39	100.0	H	0.0	18.4
17999.291667	---	46.99	54.00	7.01	100.0	H	0.0	18.5

Remark: The emission of the measurement within 18GHz - 25GHz are the noise or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.

Radiated Emission Test 1000MHz – 18000MHz

Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Connect to PC
 Test Specification : Vertical
 Comment : AC 120V/60Hz
 Frequency : 1GHz – 18GHz
 Temperature (°C): 23.1 Relative Humidity (%): 43.4 Atmospheric Pressure(mbar) : 1017



Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1099.166667	35.99	---	74.00	38.01	100.0	V	0.0	-14.8
1283.333333	35.52	---	74.00	38.48	100.0	V	0.0	-13.7
1575.166667	33.69	---	74.00	40.31	100.0	V	0.0	-12.0
3152.625000	37.24	---	74.00	36.76	100.0	V	0.0	-3.6
5958.333333	41.01	---	74.00	32.99	100.0	V	0.0	2.0
7056.958333	40.61	---	74.00	33.39	100.0	V	0.0	2.6
9708.250000	---	40.77	54.00	13.23	100.0	V	0.0	6.3
9757.833333	44.25	---	74.00	29.75	100.0	V	0.0	6.3
17804.500000	---	46.98	54.00	7.02	100.0	V	0.0	18.1
17881.708333	50.63	---	74.00	23.37	100.0	V	0.0	18.3

Remark: The emission of the measurement within 18GHz - 25GHz are the noise or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.

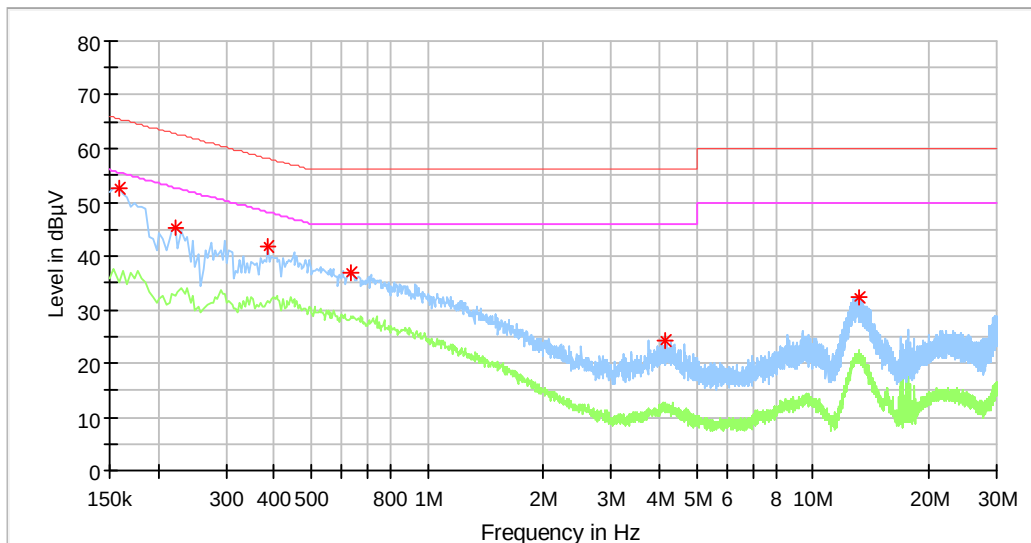
Test Equipment List

Radiated Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	101269	2019-7-6
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	2018-7-14
Horn Antenna	Rohde & Schwarz	HF907	102294	2018-7-14
Pre-amplifier	Rohde & Schwarz	SCU 18	102230	2019-7-6
Signal Generator	Rohde & Schwarz	SMY01	839369/005	2019-7-6
Attenuator	Agilent	8491A	MY39264334	2019-7-6
3m Semi-anechoic chamber	TDK	9X6X6	----	2020-7-7
Test software	Rohde & Schwarz	EMC32	Version 9.15.00	N/A

7.3 Conducted Emission Test 0.15MHz – 30MHz

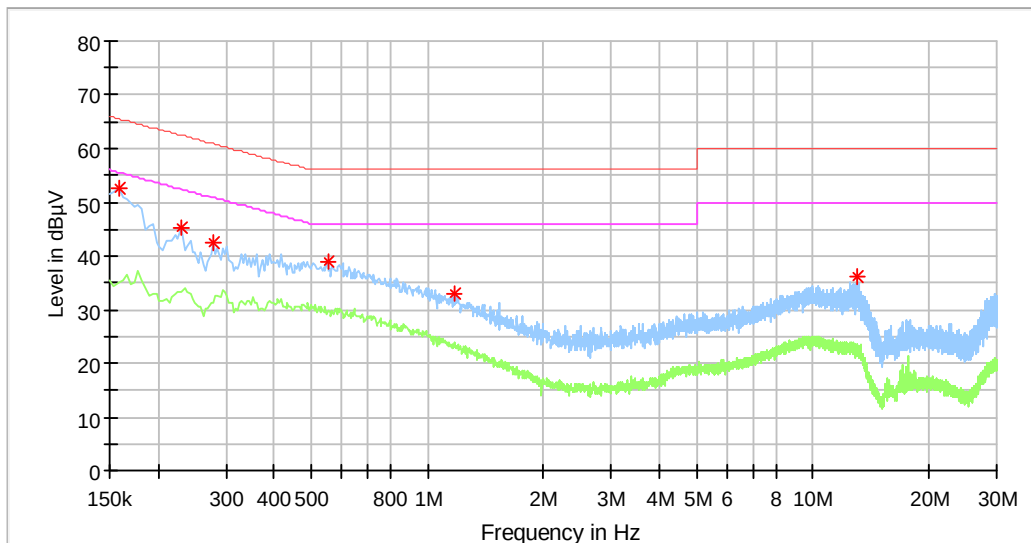
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4 GHz WIFI LINK + Charging
 Test Specification : Power line, Live
 Comment : AC 120V/60Hz
 Temperature (°C): 23.7 Relative Humidity (%): 56.4 Atmospheric Pressure(mbar) : 102.0



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	52.58	---	65.57	12.99	L1	10.2
0.222000	45.31	---	62.74	17.44	L1	10.2
0.386000	41.66	---	58.15	16.49	L1	11.3
0.634000	36.86	---	56.00	19.14	L1	10.2
4.162000	24.13	---	56.00	31.87	L1	10.3
13.178000	32.26	---	60.00	27.74	L1	10.6

Conducted Emission Test 0.15MHz – 30MHz

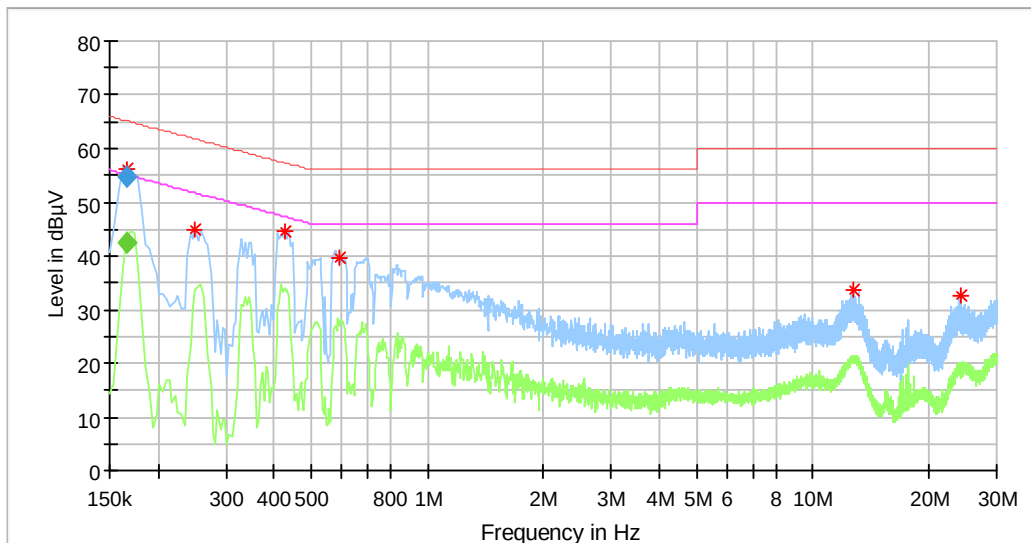
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : 2.4 GHz WIFI LINK + Charging
 Test Specification : Power line, Live
 Comment : AC 120V/60Hz
 Temperature (°C): 23.7 Relative Humidity (%): 56.4 Atmospheric Pressure(mbar) : 102.0



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	52.53	---	65.57	13.04	N	10.3
0.230000	45.44	---	62.45	17.01	N	10.3
0.278000	42.45	---	60.88	18.43	N	10.3
0.550000	38.90	---	56.00	17.10	N	10.4
1.178000	32.90	---	56.00	23.10	N	10.4
12.990000	36.04	---	60.00	23.96	N	11.0

Conducted Emission Test 0.15MHz – 30MHz

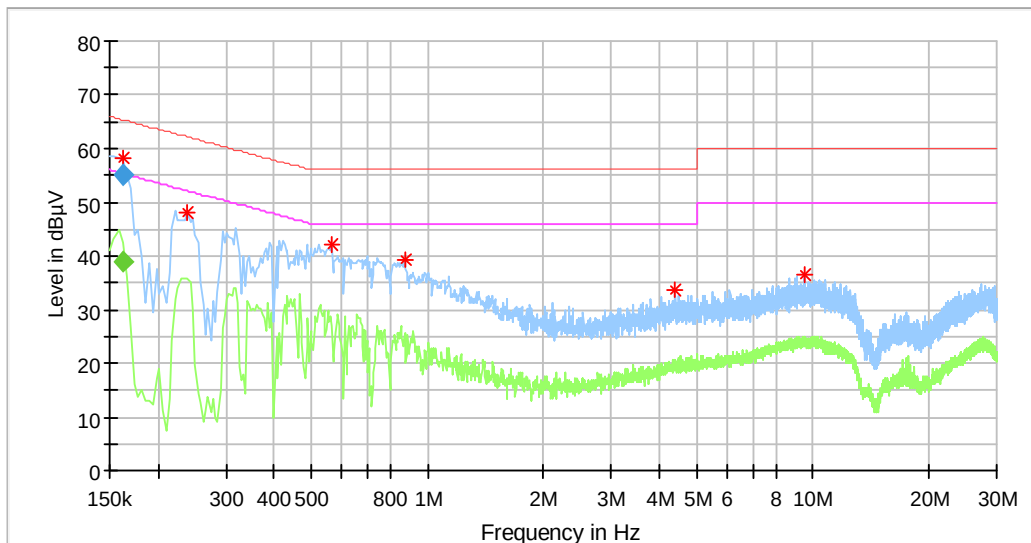
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Connect to PC
 Test Specification : Power line, Live
 Comment : AC 120V/60Hz
 Temperature (°C): 23.7 Relative Humidity (%): 56.4 Atmospheric Pressure(mbar) : 102.0



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.165500	56.11	---	64.96	8.85	L1	10.2
0.250000	45.08	---	61.76	16.68	L1	10.2
0.426000	44.41	---	57.33	12.92	L1	11.3
0.590000	39.67	---	56.00	16.33	L1	10.2
12.742000	33.55	---	60.00	26.45	L1	10.6
24.194000	32.66	---	60.00	27.34	L1	11.2

Conducted Emission Test 0.15MHz – 30MHz

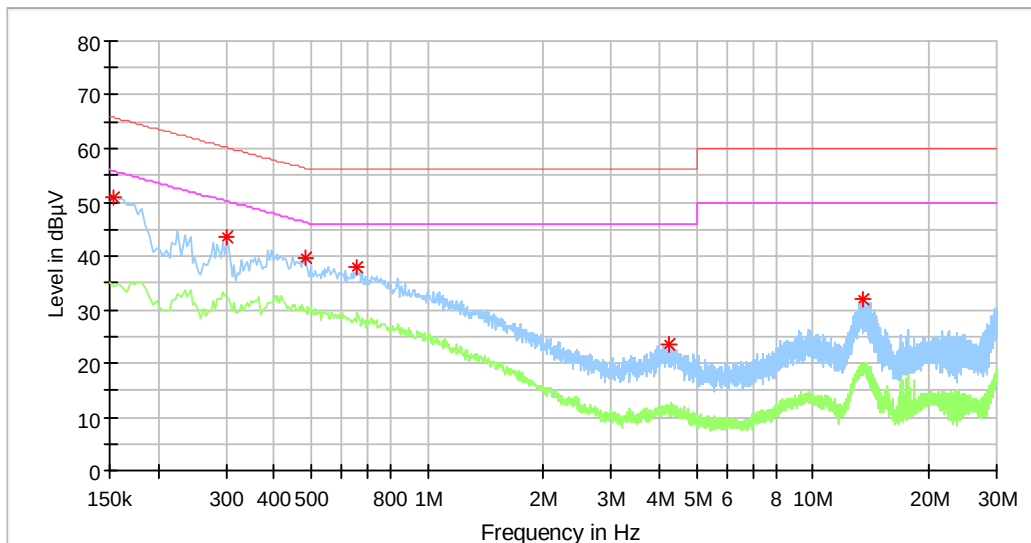
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Connect to PC
 Test Specification : Power line, Neutral
 Comment : AC 120V/60Hz
 Temperature (°C): 23.7 Relative Humidity (%): 56.4 Atmospheric Pressure(mbar) : 102.0



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162500	58.40	---	65.57	7.17	N	10.3
0.238000	47.94	---	62.17	14.23	N	10.3
0.566000	42.17	---	56.00	13.83	N	10.4
0.874000	39.25	---	56.00	16.75	N	10.4
4.406000	33.82	---	56.00	22.18	N	10.5
9.474000	36.52	---	60.00	23.48	N	10.8

Conducted Emission Test 0.15MHz – 30MHz

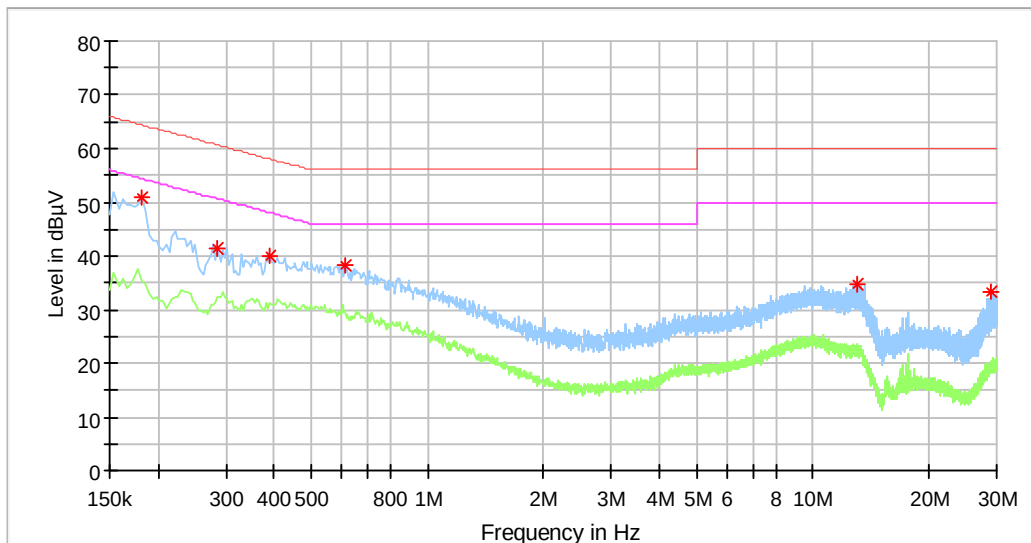
Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Drawing + Charging
 Test Specification : Power Line, Live
 Comment : AC 120V/60Hz
 Temperature (°C): 23.7 Relative Humidity (%): 58.5 Atmospheric Pressure(mbar) : 1014



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	50.91	---	65.78	14.87	L1	10.2
0.302000	43.50	---	60.19	16.69	L1	10.2
0.482000	39.62	---	56.30	16.68	L1	10.5
0.658000	37.74	---	56.00	18.26	L1	10.2
4.250000	23.62	---	56.00	32.38	L1	10.3
13.434000	32.04	---	60.00	27.96	L1	10.6

Conducted Emission Test 0.15MHz – 30MHz

Product Type : POS Tablet
 M/N : Moby/M100
 Operating Condition : Drawing + Charging
 Test Specification : Power Line, Neutral
 Comment : AC 120V/60Hz
 Temperature (°C): 23.7 Relative Humidity (%): 58.5 Atmospheric Pressure(mbar) : 1014



Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.182000	50.76	---	64.39	13.63	N	10.3
0.286000	41.49	---	60.64	19.15	N	10.3
0.390000	40.02	---	58.06	18.04	N	10.3
0.610000	38.28	---	56.00	17.72	N	10.4
12.990000	34.79	---	60.00	25.21	N	11.0
28.894000	33.27	---	60.00	26.73	N	12.1

Test Equipment List

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	101782	2019-7-6
LISN	Rohde & Schwarz	ENV4200	100249	2019-7-6
LISN	Rohde & Schwarz	ENV432	101318	2019-7-6
LISN	Rohde & Schwarz	ENV216	100326	2019-7-6
ISN	Rohde & Schwarz	ENY81	100177	2019-7-6
ISN	Rohde & Schwarz	ENY81-CA6	101664	2019-7-6
High Voltage Probe	Rohde & Schwarz	TK9420(VT94 20)	9420-584	2019-6-30
RF Current Probe	Rohde & Schwarz	EZ-17	100816	2019-6-30
Attenuator	Shanghai Huaxiang	TS2-26-3	080928189	2019-7-6
Test software	Rohde & Schwarz	EMC32	Version9.15.00	N/A