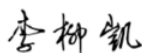


Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

EMC TEST REPORT

PRODUCT	Smart POS System
BRAND	SUNMI
MODEL	T6F10
APPLICANT	Shanghai Sunmi Technology Co.,Ltd.
FCC ID	2AH25T6F10
ISSUE DATE	January 24, 2024
STANDARD(S)	FCC CFR47 Part 2, FCC CFR47 Part 15C, ANSI C63.10-2013

Prepared by: Li Liukai



Reviewed by: Qin Yabin



Approved by: Zhang Min

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1 Summary of Test Report

1.1 Test Standard (s)

No.	Test Standard(s)	Title
1	FCC CFR47 Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC CFR47 Part 15C	Radio Frequency Devices-Intentional Radiators
3	ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
NOTE: According to customer requirements, test and report using the latest version of the standard.		

1.2 Summary of Test Results

No.	Item(s)	Sub-clause of FCC Standard	Verdicts for Single Item	Detailed Results
1	20 dB bandwidth	2.1049	Pass	See section 6.1
2	Frequency Stability	15.225(e)	Pass	See section 6.2
3	Radiated Emission	15.225 (a) (b) (c) (d) and 15.209	Pass	See section 6.3
4	Conducted Emissions	15.207	Pass	See section 6.4
5	Occupied bandwidth	N/A	Pass	See section 6.5

No.	Item(s)	Sub-clause of FCC Standard	Verdicts for Single Item	Detaied Results
NOTE: The T6F10 manufactured by Shanghai Sunmi Technology Co.,Ltd. is a new product for testing. There are two configurations S12aa (Mainly Supply) & S21aa (Secondary Supply) and two configurations battery (BA12 & BB07) in this project. According to the differences between S12aa (Mainly Supply) & S21aa (Secondary Supply), NFC RF performance is not affected. So we only tested the S12aa (Mainly Supply) with battery (BA12), and recorded the test results of the worst mode in the report. Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3. Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report. The description of the differences between S12aa (Mainly Supply) & S21aa (Secondary Supply) are as follows:				
Model Difference		T6F10 (High Configuration) S12aa (Mainly Supply)	T6F10 (Basic Configuration) S21aa (Secondary Supply)	
Scanner		Yes	No	
LCD (Just different manufacturers)		SHENZHEN DJN PHOTOELECTRIC TECHNOLOGY CO., LTD	CPT Technology (Group) Co.,Ltd	
DDR		It's just that the manufacturer and memory are different		
EMMC		It's just that the manufacturer and memory are different		

2 General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4, No. 766, Jingang Road, Pudong, Shanghai, China
Telephone	021-68866880
FCC Registration No.	708870
FCC Designation No.	CN1364

2.2 Laboratory Environmental Requirements

Temperature	15°C~35°C
Relative Humidity	25%RH~75%RH
Atmospheric Pressure	86kPa~106kPa
Supply Voltage	120V/60Hz

2.3 Project Information

Project Manager	Gao Hongning
Test Date	December 20, 2023 to December 20, 2023

3 General Information of The Customer

3.1 Applicant

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505, No.388,Song Hu Road, Yang Pu District, Shanghai, China
Telephone	18826519551

3.2 Manufacturer

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505, No.388,Song Hu Road, Yang Pu District, Shanghai, China
Telephone	18826519551

3.3 Factory

Company	N/A
Address	N/A

4 General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

Product	Smart POS System
Model	T6F10
Date of Receipt	December 05, 2023
EUT ID*	S12aa (Mainly Supply) / S21aa (Secondary Supply)
SN/IMEI	P305D3BP10040 / P302D3BF10251
Supported Radio Technology and Bands	GSM850/GSM900/GSM1800/GSM1900 WCDMA Band I/II/IV/V/VI/VIII/XIX LTE Band 1/2/3/4/5/7/8/18/19/20/26/28/34/38/39/40/41 BT 5.0 BR/EDR/BLE WLAN 802.11b,g,n WLAN 802.11a,n,ac GPS/Galileo/GLONASS/BDS NFC
Hardware Version	V1.0(LA+EU)
Software Version	V3.0.0
Operating Frequency	13.56MHz
Antenna Information	Loop Antenna
Modulation information	ASK
Product Class	1
Power Rating	DC 7.7V form battery, DC 5V form adapter
NOTE1: EUT ID is the internal identification code of the laboratory. NOTE2: Photographs of EUT are shown in ANNEX A of this test report. NOTE3: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.	

4.2 Description for Auxiliary Equipment (AE)

AE ID*	Description	Model	SN/Remark
CD01	Adapter	TPA-141A050200UU01	N/A
CH02	Adapter	UC13US	N/A
CI02	Adapter	TPA-23A050200UU01	N/A
UA09	USB Cable	N/A	N/A

BA12	Battery	HPPA	ICON ENERGY SYSTEM (SHENZHEN) CO., LTD.
BB07	Battery	HPPA	Guangdong Highpower New Energy Technology Co., Ltd.
AE1	Type-A Card	N/A	N/A
NOTE: *AE ID is the internal identification code of the laboratory.			

5 Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

Semi-anechoic chamber SAC3-1 (9 m*8m*6.2m) & SAC3-2 (9.8m*6.7m*6.7m)	
Shielding effectiveness	0.014MHz ~1MHz, >60dB; 1MHz~1000MHz, >90dB.
Electrical insulation	> 2MΩ
Ground system resistance	< 4Ω
Normalised site attenuation (NSA)	< ± 4 dB, 3m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (SVSWR)	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

Shielded room	
Shielding effectiveness	0.014MHz~1MHz, >60dB; 1MHz~1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4Ω

5.2 Decision of final test mode

The EUT was tested in conjunction with the accessories in Section 4.2. We tested all of the following test modes and selected the worst mode from the test results and recorded them in the report.

The test configuration modes are as the following:

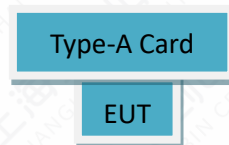
S12aa (Mainly Supply):

Test Item	Test setup and operating modes
20 dB bandwidth	Mode 1: TX Mode+ BA12
Frequency Stability	Mode 1: TX Mode+ BA12
Radiated emission	Mode 1: TX Mode+ BA12
Conducted Emissions	Mode 2: TX Mode+ CI02+ UA09+ BA12
Occupied bandwidth	Mode 1: TX Mode+ BA12
Note: N/A	

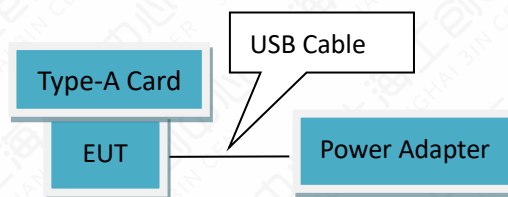
5.3 EUT System Operation

1. Connect the EUT with AE.
2. Setup the EUT according to the standard.
3. Start testing and monitoring the function.
4. TX mode: Enter the NFC card reading mode, place the Type A card on the EUT. The EUT will transmit the NFC command continuously during the test, and will read the information from the Type A Card continuously.

5.4 EUT Connection Diagram of Test System



<Figure 5.4-1> Mode 1



<Figure 5.4-2> Mode 2

5.5 Test Equipment Utilized

No.	Name	Model	S/N	SW Version	HW Version	Manuf acturer	Cal. Date	Cal. Interval
1	Test Receiver	ESCI	101235	V5.1-24-3	00	R&S	2022-12-29	1 year
2	Test Receiver	ESU40	100307	00	01	R&S	2022-12-29	1 year
3	Trilog Antenna	VULB9163	01345	N/A	N/A	Schwar zbeck	2023-03-23	1 year
4	Double Ridged Guide Antenna	ETS-3117	00135890	N/A	N/A	ETS	2022-03-09	2 years
5	2-Line V-Network	ENV216	101380	N/A	N/A	R&S	2022-12-29	1 year
6	EMI Test Software	EMC32 V10.35.02	N/A	N/A	N/A	R&S	N/A	N/A
7	Loop Antenna	AL-130R	121083	N/A	N/A	COM-POWE R	2023-09-13	1 year

No.	Name	Model	S/N	SW Version	HW Version	Manufacturer	Cal. Date	Cal. Interval
8	Temperature Box	B-TF-107C	201804107	N/A	N/A	Boyi	2023-06-28	1 year
9	Vector Signal Analyser	FSQ26	101091	N/A	N/A	R&S	2022-07-26	1 year
10	Preamplifier	SCU08F1	8320024	N/A	N/A	R&S	2023-10-16	1 year

5.6 Measurement Uncertainty

Item (s)	Uncertainty
20 dB bandwidth	$\pm 1.9\%$
Frequency Stability	$\pm 1.9\%$
Electric Field Strength of Fundamental Emissions	4.38 dB
Electric Field Radiated Emissions (Below 30MHz)	4.38 dB
Electric Field Radiated Emissions (Above 30MHz)	5.10 dB
Conducted Emissions	3.30 dB
Occupied bandwidth	$\pm 1.9\%$
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.	

6 Test Results

6.1 20dB Bandwidth

6.1.1 Measurement Methods

- The transmitter output signal was picked up by coil antenna to the spectrum analyzer.
- The transmitter output signal was picked up by coil antenna connected to the spectrum analyzer.
- The bandwidth of the center frequency was measured with 200Hz RBW, 500Hz VBW and 14kHz span.

6.1.2 EUT Connection Diagram of Test System

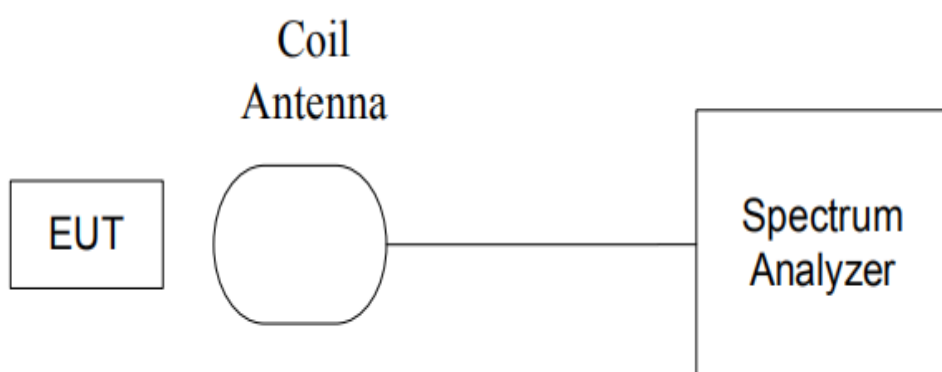


Figure 6.1.2-1 20dB Bandwidth Connection Diagram

6.1.3 Test Condition

The measurement of EUT is carried out under the transmit state of NFC and without modulation.

EUT had been not connected to a travel adapter.

During the measurements, the ambient temperature is in the range of 15~25°C.

6.1.4 Limit/Criterion

The 20dB bandwidth shall be less than 80% of the permitted frequency band. For 13.56MHz NFC, the permitted frequency band is 14kHz, so the limit is 11.2kHz.

6.1.5 Test environmental conditions

Temperature	22.0°C
Relative Humidity	40.0%RH
Atmospheric Pressure	103.4kPa

6.1.6 Test Results

Carrier frequency (MHz)	20dB Bandwidth (kHz)	Test Results	Conclusion
13.56	0.942	See Annex A.1-1	Pass

6.2 Frequency Stability

6.2.1 Measurement Methods

The transmitter output signal was picked up by coil antenna connected to the frequency counter. The center frequency was measured with 30Hz RBW and 1kHz span.

During the test, the EUT was placed in a thermal chamber until thermal balance and lasting appropriate time.

6.2.2 EUT Connection Diagram of Test System

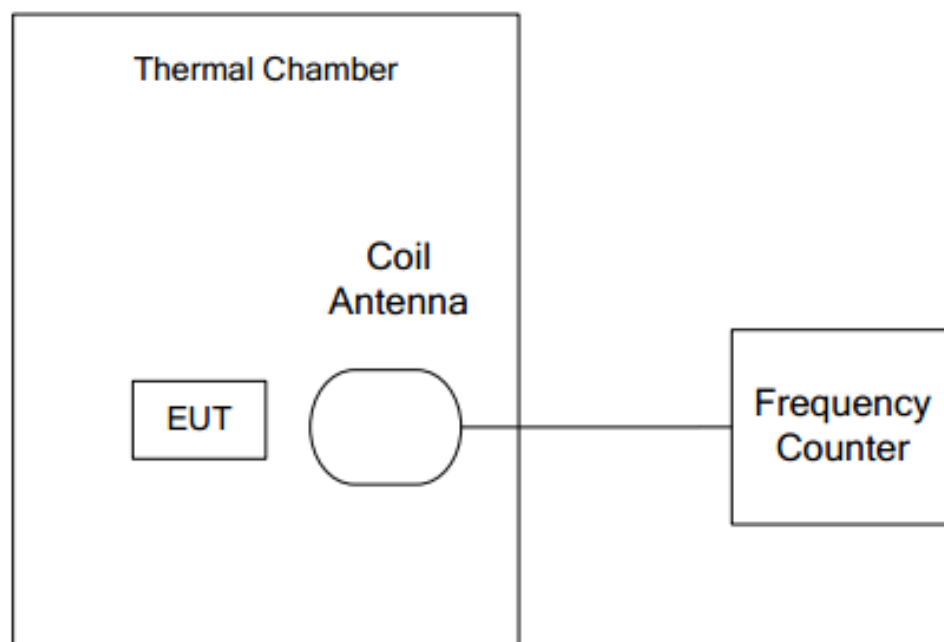


Figure 6.2.2-1 Frequency Stability Connection Diagram

6.2.3 Test Condition

The measurement of EUT is carried out under the transmit state of without modulation, EUT had been not connected to a travel adapter.

Operation Temperature: -10°C、0°C、10°C、20°C、30°C、40°C、50°C

Operation Voltage: $V_{min}=6.0V$, $V_{max}=8.8V$, and $T_{nom}=7.7V$.

6.2.4 Limit/Criterion

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency.

6.2.5 Test environmental conditions

Temperature	22.0°C
Relative Humidity	40.0%RH
Atmospheric Pressure	103.4kPa

6.2.6 Test Results

See Annex A.2-1

6.3 Radiated Emission

6.3.1 Electric Field Strength of Fundamental Emissions

6.3.1.1 Method of Measurement

a. The test set-up was made in accordance to the general provisions of ANSI C63.10-2013. The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving antenna is 1 meter above the ground. The E-field is measured with a shielded loop antenna connected to a measurement receiver. Detected E-field was maximized by rotating the EUT through 360° and adjusting the receiving antenna polarizations. Both horizontal and vertical polarizations of the antenna were set during the measurement. The maximization processes were repeated with the EUT positioned respectively in its three orthogonal axes. The measurements were performed with the peak detector and if required, the quasi-peak detector.

b. The measurement bandwidth:

Frequency (MHz)	RBW / VBW
12.56-14.56	10 / 30kHz

6.3.1.2 EUT Connection Diagram of Test System

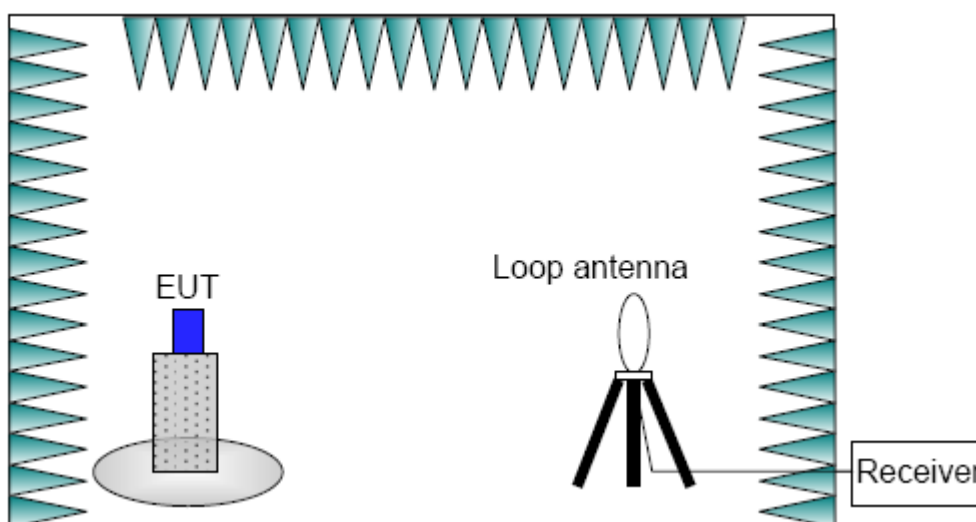


Figure 6.3.1.2-1 Electric Field Strength of Fundamental Emissions Connection Diagram

6.3.1.3 Test Condition

Frequency Range (MHz)	RBW/VBW	Sweep Time (s)
12.56-14.56	10kHz/30kHz	AUTO

6.3.1.4 Limit/Criterion

Clause 15.225(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.

Clause 15.225(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.

Clause 15.225(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.

Frequency Range (MHz)	E-field Strength Limit @30m (uV/m)	E-field Strength Limit @3m (dBuV/m)
13.560 ± 0.007	+15,848	124
13.410 to 13.553 13.567 to 13.710	+334	90
13.110 to 13.410 13.710 to 14.010	+106	81

Note: Where the limits have been defined at one distance, and a signal level measured at another, the limits have been extrapolated using the following formula:

Extrapolation (dB) = 40log10(Measurement Distance / Specification Distance)

6.3.1.5 Test environmental conditions

Temperature	22.0°C
Relative Humidity	40.0%RH
Atmospheric Pressure	103.4kPa

6.3.1.6 Test Results

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 1: TX Mode	12.56-14.56	See Annex A.3.1-1	Pass
NOTE: a. Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A b. The result displayed take into account applicable antenna factors and cable losses.			

6.3.2 Electric Field Radiated Emissions (Below 30MHz)

6.3.2.1 Method of Measurement

a. The electric field radiated emissions from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving antenna is 1 meter above the ground. The E-field is measured with a shielded loop antenna connected to a measurement receiver. Detected E-field was maximized by rotating the EUT through 360° and adjusting the receiving antenna polarizations. Both horizontal and vertical polarizations of the antenna were set during the measurement. The maximization processes were repeated with the EUT positioned respectively in its three orthogonal axes. The measurements were performed with the peak detector and if required, the quasi-peak detector.

b. The measurement bandwidth:

Frequency (MHz)	RBW / VBW
0.009-30	10 / 30kHz

6.3.2.2 EUT Connection Diagram of Test System

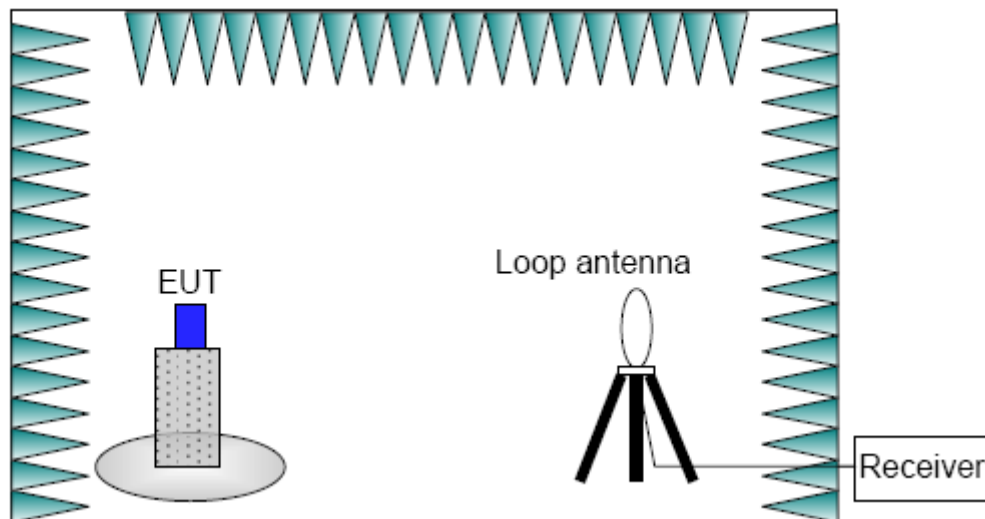


Figure 6.3.2.2-1 Electric Field Radiated Emissions (Below 30MHz) Connection Diagram

6.3.2.3 Test Condition

Frequency Range (MHz)	RBW/VBW	Sweep Time (s)
0.009-30	10kHz/30kHz	AUTO

6.3.2.4 Limit/Criterion

Frequency Range (MHz)	E-field Strength Limit @30m (mV/m)	E-field Strength Limit @3m (dBuV/m)
0.009-0490	2400/F (kHz)	129-94
0.490-1.705	24000/F (kHz)	74-63
1.705-30	30	70

Note: Where the limits have been defined at one distance, and a signal level measured at another, the limits have been extrapolated using the following formula:

Extrapolation (dB) = 40log10(Measurement Distance / Specification Distance)

$\text{dBuA/m} = \text{dBuV/m} / 120\pi$

6.3.2.5 Test environmental conditions

Temperature	22.0°C
Relative Humidity	40.0%RH
Atmospheric Pressure	103.4kPa

6.3.2.6 Test Results

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 1: TX Mode	0.009-30	See Annex A.3.2-1	Pass

NOTE:

a. Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A

b. The result displayed take into account applicable antenna factors and cable losses

c. dBuV/m and dBuA/m can be converted to each other, so the test data of dBuV/m are reflected in the report

6.3.3 Electric Field Radiated Emissions (Above 30MHz)

6.3.3.1 Method of Measurement

a. The electric field radiated emissions from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving antenna is 1 meter above the ground. The E-field is measured with a shielded loop antenna connected to a measurement receiver. Detected E-field was maximized by rotating the EUT through 360° and adjusting the receiving antenna polarizations. Both horizontal and vertical polarizations of the antenna were set during the measurement. The maximization processes were repeated with the EUT positioned respectively in its three orthogonal axes. The measurements were performed with the peak detector and if required, the quasi-peak detector.

b. The measurement bandwidth:

Frequency (MHz)	RBW / VBW
30-1000	120 kHz / 300kHz

6.3.3.2 EUT Connection Diagram of Test System

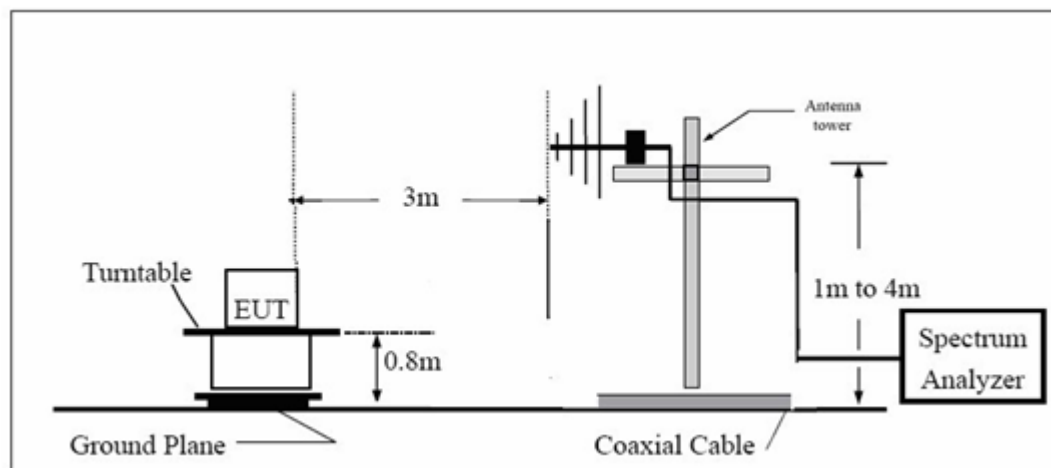


Figure 6.3.3.2-1 Electric Field Radiated Emissions (Above 30MHz) Connection Diagram

6.3.3.3 Test Condition

Frequency Range (MHz)	RBW/VBW	Sweep Time (s)
30-1000	120kHz/300kHz	AUTO

6.3.3.4 Limit/Criterion

Frequency Range (MHz)	Quasi-Peak (dBμV/m)	Peak (dBμV/m)	Average (dBμV/m)
30-88	40	N/A	N/A
88-216	43.5	N/A	N/A
216-960	46	N/A	N/A
Above 960	54	N/A	N/A
Above 1000	N/A	74	54

6.3.3.5 Test environmental conditions

Temperature	22.0℃
Relative Humidity	40.0%RH
Atmospheric Pressure	103.4kPa

6.3.3.6 Test Results

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 1: TX Mode	30-1000	See Annex A.3.3-1	Pass

NOTE:

- Abbreviations used in this clause: Pass—P; Fail—F; Not applicable—N/A
- The result displayed take into account applicable antenna factors and cable losses
- QP detection is used in radiated emissions test, and the Duty Cycle of NFC main frequency signal is 100%.

6.4 Conducted Emissions

6.4.1 Reference

See Clause 6.2 of ANSI C63.10-2013

6.4.2 Measurement Methods

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector. Tested in accordance with the procedures of ANSI C63.10-2013

6.4.3 Test Setup

The measurement bandwidth and Test Condition

Frequency Range (MHz)	RBW	Sweep Time (s)	Test Voltage
0.15-30	9 kHz	AUTO	120V/60Hz

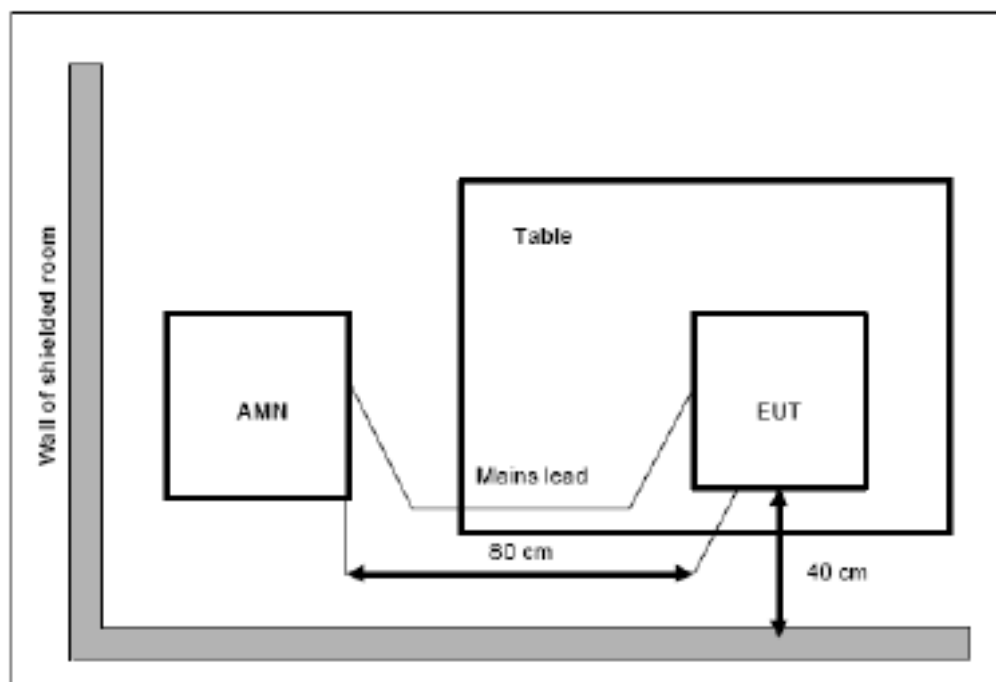


Figure 6.4.3-1 Conducted Emissions Connection Diagram

6.4.4 Limits

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

6.4.5 Measurement Results

Mode	Frequency (MHz)	Test Results	Verdicts
Mode 2: TX Mode + CA01 + UA18 + BA02	0.009-30	See Annex A.4-1	Pass
NOTE: a. Emission level (quasi-peak or Average peak) =Raw value by receiver + Corr(Insertion loss+ cable loss) b. The raw value is used to calculate by software which is not shown in the sheet. c. Margin=limit value – emission level. d. L1 and N line is all have been tested, the result of them is synthesized in the above data diagram. e. The frequency over the limits is the NFC main signal frequency.			

6.5 Occupied bandwidth

6.5.1 Reference

See Clause 6.7 of RSS-Gen.

6.5.2 Measurement Methods

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

The following conditions shall be observed for measuring the occupied bandwidth:

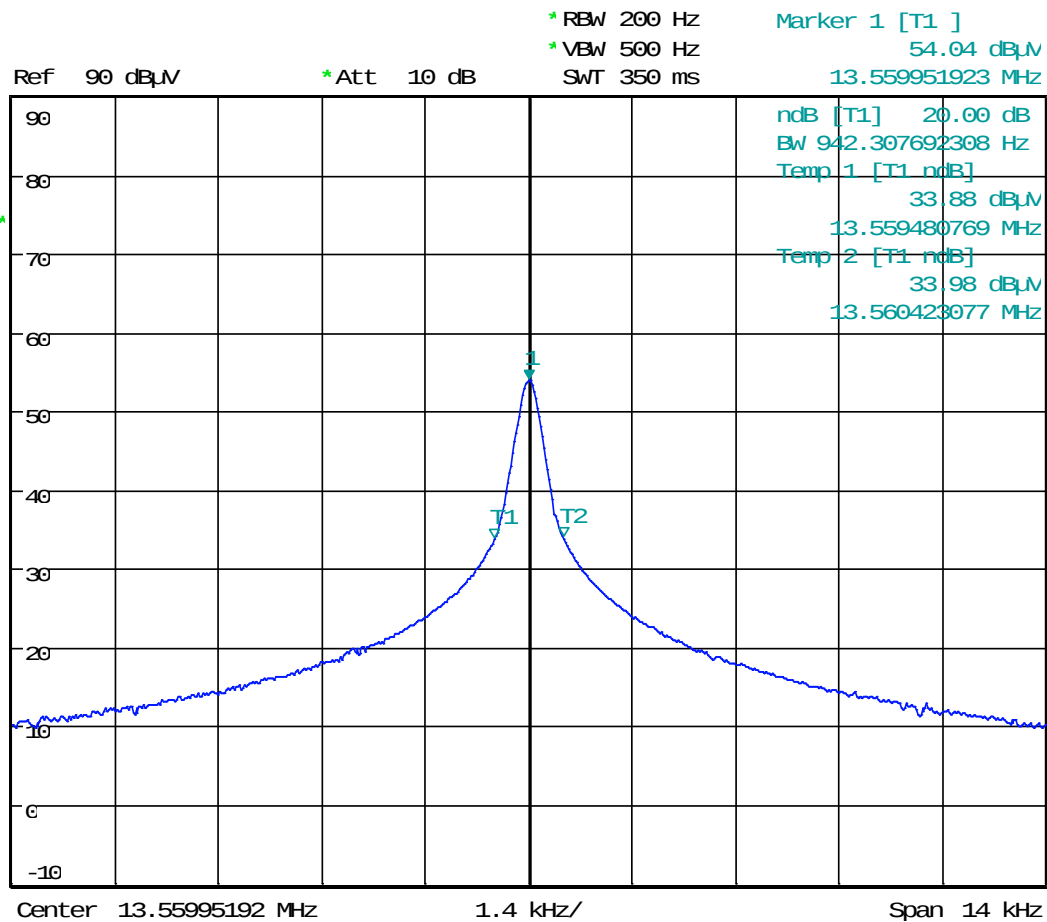
- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid 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.

6.5.3 Measurement Results

See Annex A.5-1

Annex A: Measurement Data



A.1-1 Mode 1 20dB Bandwidth

Temperature	Voltage	Frequency Error (MHz)			
		Startup	2Min Later	5Min Later	10Min Later
-10℃	7.7V	13.559803	13.559993	13.559843	13.559678
0℃		13.559902	13.559865	13.559983	13.559872
20℃		13.559777	13.559954	13.559911	13.559716
30℃		13.559993	13.559112	13.559729	13.559842
40℃		13.559198	13.559752	13.559079	13.559704
50℃		13.559789	13.559894	13.559001	13.559862
20℃	6.0V	13.559872	13.559864	13.559149	13.559922
20℃	8.8V	13.559092	13.559739	13.559097	13.559896
Temperature	Voltage	Frequency Error (%)			
-10℃	7.7V	0.001091	0.000306	0.000796	0.002013
0℃		0.000361	0.000634	0.000236	0.000583
20℃		0.001283	0.000022	0.000295	0.001733
30℃		0.000310	0.006185	0.001637	0.000804
40℃		0.005553	0.001468	0.006431	0.001822
50℃		0.001195	0.000420	0.007006	0.000656
20℃	6.0V	0.000583	0.000642	0.005914	0.000214
20℃	8.8V	0.006335	0.001563	0.006298	0.000406

A.2-1 Mode 1 Frequency Stability

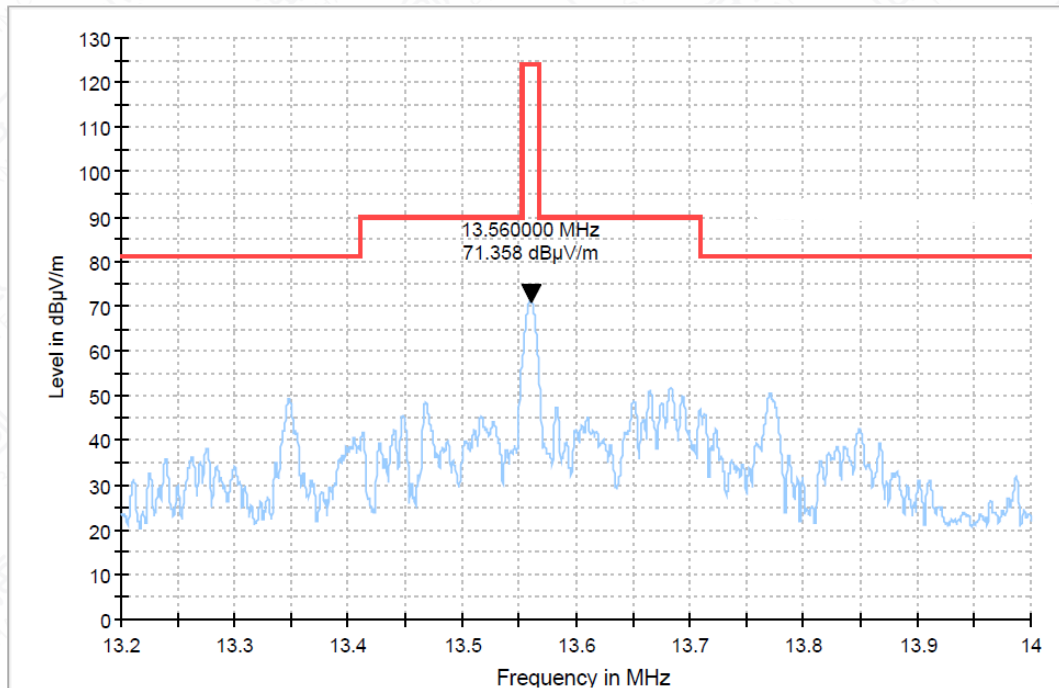


Figure A.3-1-1 Mode 1 Electric Field Strength of Fundamental Emissions

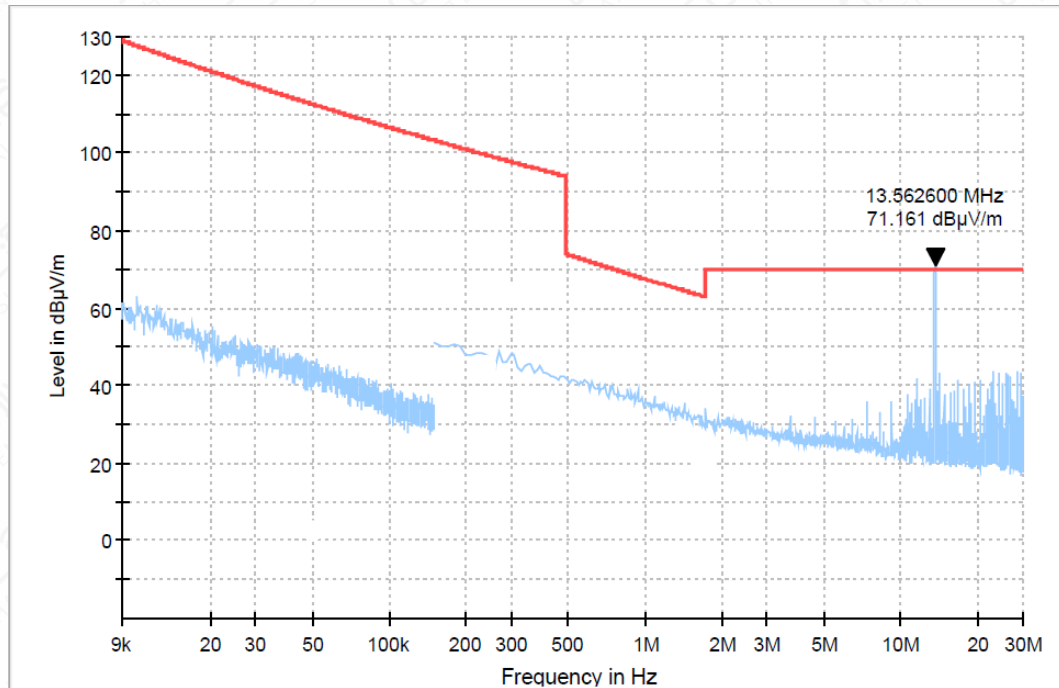


Figure A.3-2-1 Mode 1 Electric Field Radiated Emissions (Below 30MHz)

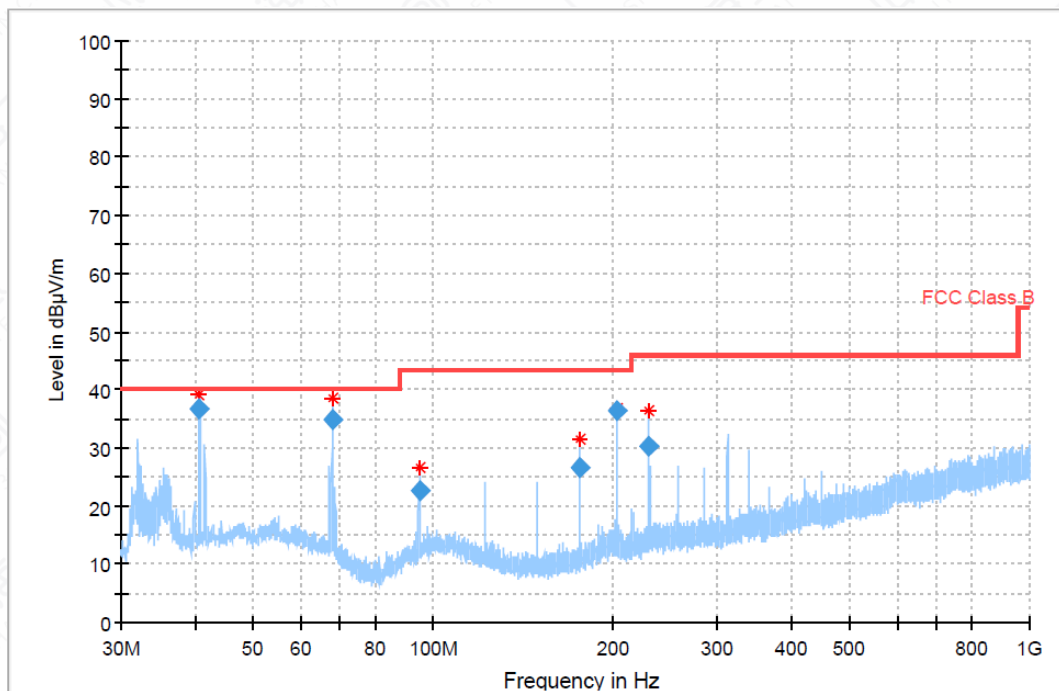


Figure A.3-3-1 Mode 1 Electric Field Radiated Emissions (Above 30MHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.613296	36.83	40.00	3.17	100.0	V	160.0	-13
67.779229	34.86	40.00	5.14	105.0	V	-28.0	-15
94.907197	22.60	43.50	20.90	100.0	V	173.0	-14
176.284680	26.70	43.50	16.80	120.0	H	174.0	-15
203.390461	36.44	43.50	7.06	125.0	H	186.0	-13
230.455229	30.27	46.00	15.73	125.0	H	-10.0	-12

Note: Horizontal and vertical polarity is all have been tested, the result of them is synthesized in the above data diagram.

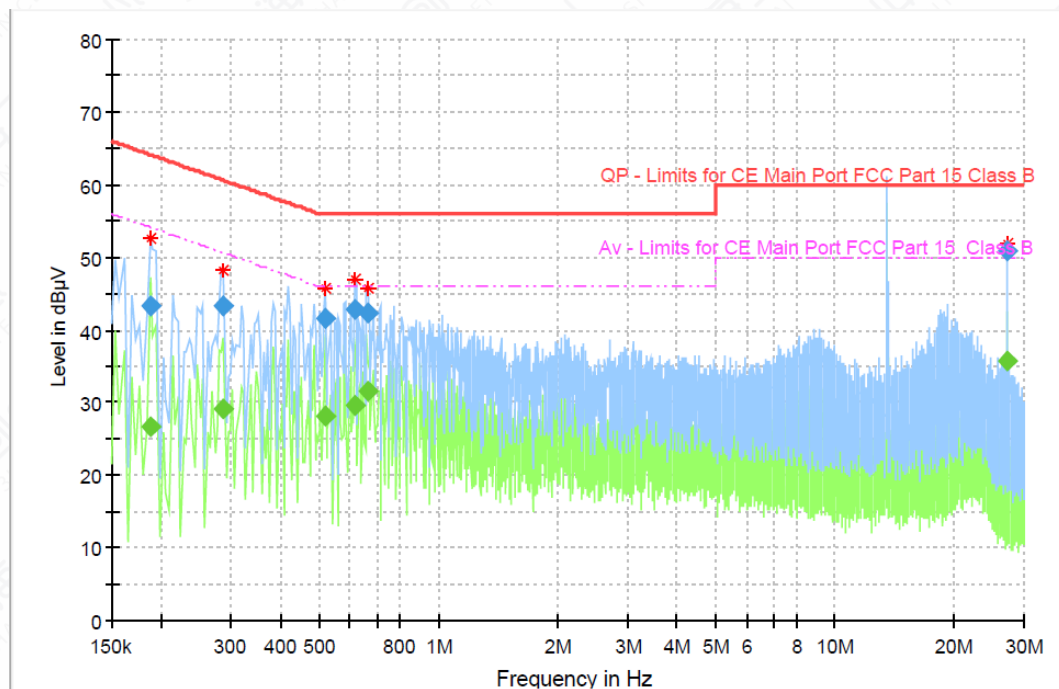


Figure A.4-1 Mode 2 Conducted Emissions

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.187313	---	26.68	54.16	27.48	15000.0	9.000	L1	ON	9.6
0.187313	43.37	---	64.16	20.79	15000.0	9.000	L1	ON	9.6
0.288056	---	29.10	50.58	21.48	15000.0	9.000	N	ON	7.2
0.288056	43.36	---	60.58	17.22	15000.0	9.000	N	ON	7.2
0.519394	---	28.14	46.00	17.86	15000.0	9.000	N	ON	9.6
0.519394	41.67	---	56.00	14.33	15000.0	9.000	N	ON	9.6
0.616406	---	29.58	46.00	16.42	15000.0	9.000	N	ON	9.6
0.616406	42.79	---	56.00	13.21	15000.0	9.000	N	ON	9.6
0.664913	42.24	---	56.00	13.76	15000.0	9.000	L1	ON	9.6
0.664913	---	31.44	46.00	14.56	15000.0	9.000	L1	ON	9.6
27.123206	50.79	---	60.00	9.21	15000.0	9.000	L1	ON	9.9
27.123206	---	35.74	50.00	14.26	15000.0	9.000	L1	ON	9.9

Note:

1. L1 and N line is all have been tested, the result of them is synthesized in the above data diagram.
2. The frequency over the limits is the NFC main signal frequency.

Center Freq. (MHz)	f_L (MHz)	f_H (MHz)
13.55995	13.55876	13.56111

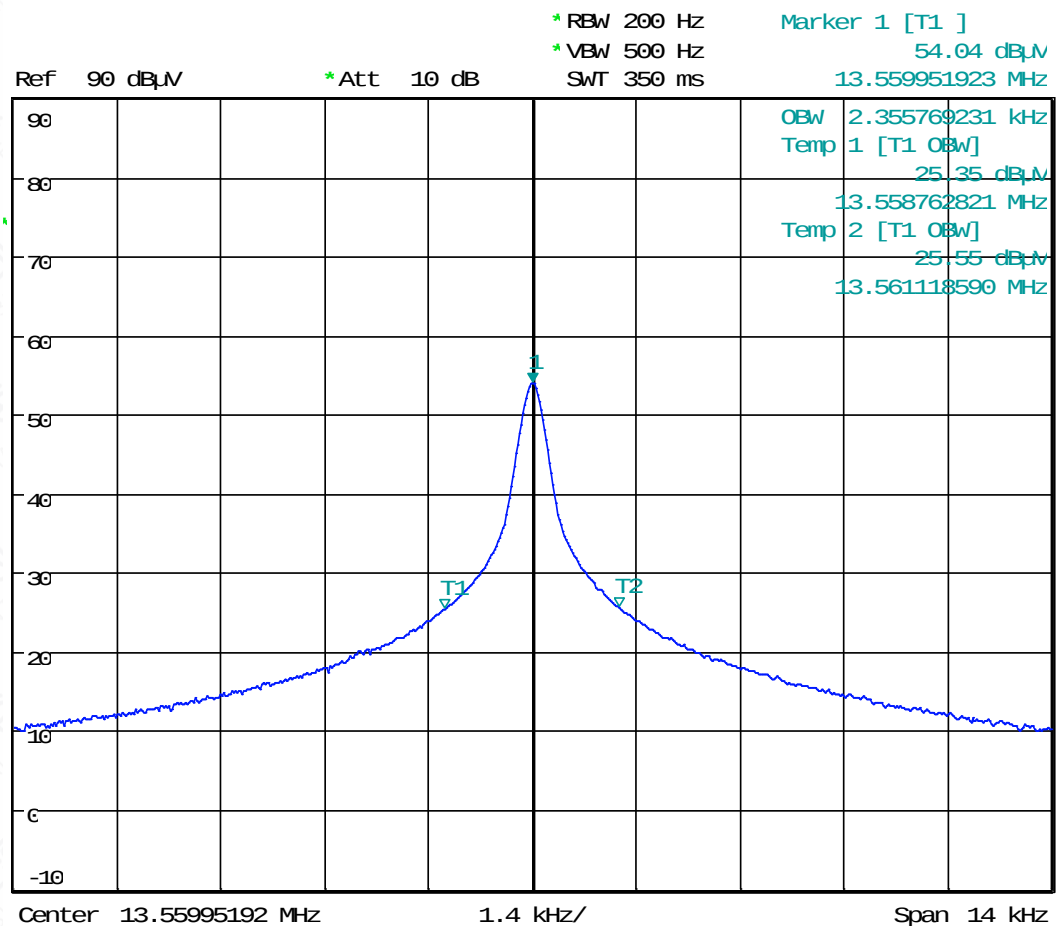


Figure A.5-1 Mode 1 Occupied bandwidth

Annex B: Revised History

Version	Revised Content
V00	Initial
V01	Update section 1.1 & 4.1 & 5.5

Annex C: Accreditation Certificate