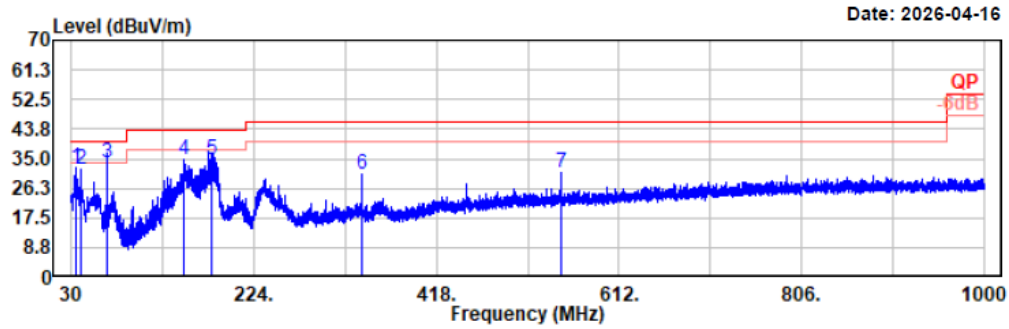


Project No.: 2607P42218E-RF
Test Mode: NFC transmitting
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
34.37	40.24	-7.69	32.55	40.00	7.45	Vertical	Peak
40.67	44.10	-12.11	31.99	40.00	8.01	Vertical	Peak
67.73	50.92	-17.09	33.83	40.00	6.17	Vertical	QP
149.12	46.15	-11.21	34.94	43.50	8.56	Vertical	Peak
179.38	47.12	-12.30	34.82	43.50	8.68	Vertical	QP
338.95	38.72	-8.34	30.38	46.00	15.62	Vertical	Peak
550.02	33.69	-2.73	30.96	46.00	15.04	Vertical	Peak

FCC§15.225(e) & RSS-210 ISSUE 11 CLAUSE ANNEX B B.6 - FREQUENCY STABILITY

Applicable Standard

FCC§15.225(e)

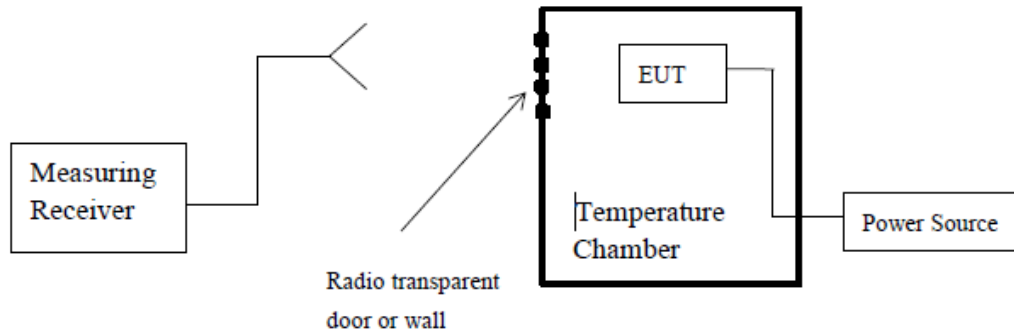
The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

RSS-210 ISSUE 11 Clause Annex B B.6

The carrier frequency stability shall not exceed ± 100 ppm

Test Procedure

- a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.
- b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary. NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.
- c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.
- e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.
- f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.
- g) Measure the frequency at each of frequencies specified in 5.6.
- h) Switch OFF the EUT but do not switch OFF the oscillator heater.
- i) Lower the chamber temperature by not more than 10°C , and allow the temperature inside the chamber to stabilize.
- j) Repeat step f) through step i) down to the lowest specified temperature.

EUT Setup**Test Data**

Test Mode:	Transmitting	Test Engineer:	Wlif Wu
Test Date:	2026-04-16	Environment:	Temp.: 21.4°C Humi.: 51% Atm: 100.1kPa

Test Result: Compliant*For Configuration 1# (Scanner version)***Tested without NFC card:**

$F_0 = 13.56\text{MHz}$						
Power Supply (V_{DC})	Temperature ($^{\circ}\text{C}$)	Measured Frequency (MHz)	Frequency Error (ppm)	RSS-210 Limit (ppm)	Frequency Error (%)	Part 15.225 Limit
7.2	-20	13.559645	-26.179941	100	-0.002618	$\pm 0.01\%$
	-10	13.559563	-32.227139	100	-0.003223	$\pm 0.01\%$
	0	13.559742	-19.026549	100	-0.001903	$\pm 0.01\%$
	10	13.559921	-5.825959	100	-0.000583	$\pm 0.01\%$
	20	13.56013	9.587021	100	0.000959	$\pm 0.01\%$
	30	13.560411	30.309735	100	0.003031	$\pm 0.01\%$
	40	13.560509	37.536873	100	0.003754	$\pm 0.01\%$
	50	13.560516	38.053097	100	0.003805	$\pm 0.01\%$
6.4	20	13.560105	7.743363	100	0.000774	$\pm 0.01\%$
8.4	20	13.560264	19.469027	100	0.001947	$\pm 0.01\%$

Tested with NFC card:

F₀=13.56MHz						
Power Supply(V_{DC})	Temperature (°C)	Measured Frequency (MHz)	Frequency Error (ppm)	RSS-210 Limit (ppm)	Frequency Error (%)	Part 15.225 Limit
7.2	-20	13.559586	-30.530973	100	-0.003053	±0.01%
	-10	13.559510	-36.135693	100	-0.003614	±0.01%
	0	13.559828	-12.684366	100	-0.001268	±0.01%
	10	13.559748	-18.584071	100	-0.001858	±0.01%
	20	13.56013	9.587021	100	0.000959	±0.01%
	30	13.560413	30.457227	100	0.003046	±0.01%
	40	13.560674	49.705015	100	0.004971	±0.01%
	50	13.560755	55.678466	100	0.005568	±0.01%
6.4	20	13.559978	-1.622419	100	-0.000162	±0.01%
8.4	20	13.560555	40.929204	100	0.004093	±0.01%

For Configuration 2# (2nd display version)

Tested without NFC card

F₀=13.56MHz						
Power Supply(V_{DC})	Temperature (°C)	Measured Frequency (MHz)	Frequency Error (ppm)	RSS-210 Limit (ppm)	Frequency Error (%)	Part 15.225 Limit
7.2	-20	13.559569	-31.784661	100	-0.003178	±0.01%
	-10	13.559466	-39.380531	100	-0.003938	±0.01%
	0	13.559695	-22.492625	100	-0.002249	±0.01%
	10	13.559939	-4.498525	100	-0.000450	±0.01%
	20	13.560087	6.415929	100	0.000642	±0.01%
	30	13.560540	39.823009	100	0.003982	±0.01%
	40	13.560315	23.230088	100	0.002323	±0.01%
	50	13.560314	23.156342	100	0.002316	±0.01%
6.4	20	13.559921	-5.825959	100	-0.000583	±0.01%
8.4	20	13.560100	7.374631	100	0.000737	±0.01%

Tested with NFC card

F₀=13.56MHz						
Power Supply(V_{DC})	Temperature (°C)	Measured Frequency (MHz)	Frequency Error (ppm)	RSS-210 Limit (ppm)	Frequency Error (%)	Part 15.225 Limit
7.2	-20	13.559616	-28.318584	100	-0.002832	±0.01%
	-10	13.559604	-29.203540	100	-0.002920	±0.01%
	0	13.559624	-27.728614	100	-0.002773	±0.01%
	10	13.559594	-29.941003	100	-0.002994	±0.01%
	20	13.560087	6.415929	100	0.000642	±0.01%
	30	13.560111	8.185841	100	0.000819	±0.01%
	40	13.560276	20.353982	100	0.002035	±0.01%
	50	13.560386	28.466077	100	0.002847	±0.01%
6.4	20	13.559656	-25.368732	100	-0.002537	±0.01%
8.4	20	13.560147	10.840708	100	0.001084	±0.01%

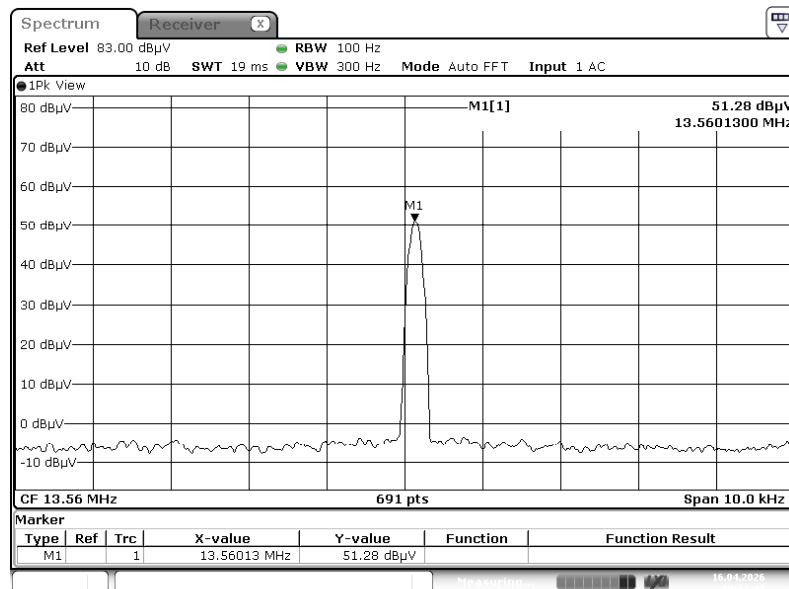
For Configuration 3# (Basic version)**Tested without NFC card**

F₀=13.56MHz						
Power Supply(V_{DC})	Temperature (°C)	Measured Frequency (MHz)	Frequency Error (ppm)	RSS-210 Limit (ppm)	Frequency Error (%)	Part 15.225 Limit
7.2	-20	13.559707	-21.607670	100	-0.002161	±0.01%
	-10	13.559664	-24.778761	100	-0.002478	±0.01%
	0	13.559620	-28.023599	100	-0.002802	±0.01%
	10	13.560036	2.654867	100	0.000265	±0.01%
	20	13.560116	8.554572	100	0.000855	±0.01%
	30	13.560203	14.970501	100	0.001497	±0.01%
	40	13.560639	47.123894	100	0.004712	±0.01%
	50	13.560540	39.823009	100	0.003982	±0.01%
6.4	20	13.559731	-19.837758	100	-0.001984	±0.01%
8.4	20	13.560302	22.271386	100	0.002227	±0.01%

Tested with NFC card

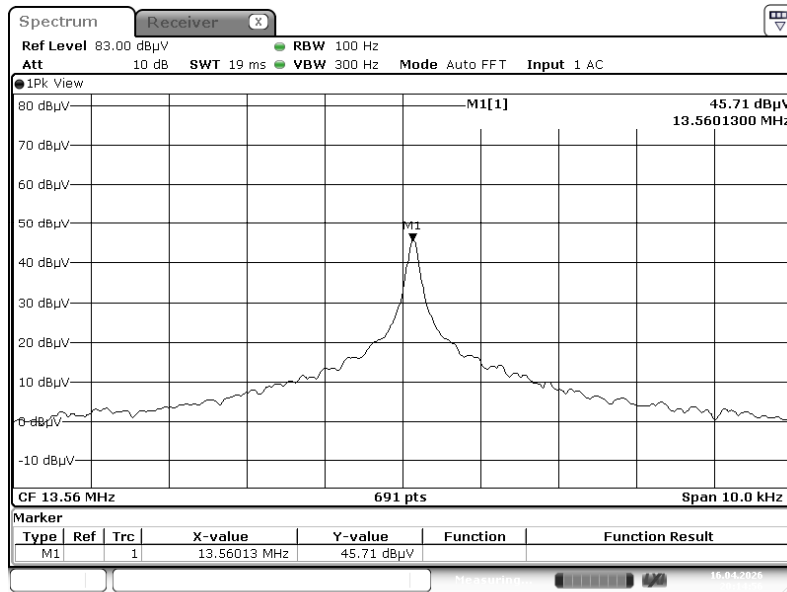
$F_0=13.56\text{MHz}$						
Power Supply(V_{DC})	Temperature ($^{\circ}\text{C}$)	Measured Frequency (MHz)	Frequency Error (ppm)	RSS-210 Limit (ppm)	Frequency Error (%)	Part 15.225 Limit
7.2	-20	13.559683	-23.377581	100	-0.002338	$\pm 0.01\%$
	-10	13.559544	-33.628319	100	-0.003363	$\pm 0.01\%$
	0	13.559574	-31.415929	100	-0.003142	$\pm 0.01\%$
	10	13.559918	-6.047198	100	-0.000605	$\pm 0.01\%$
	20	13.560116	8.554572	100	0.000855	$\pm 0.01\%$
	30	13.560445	32.817109	100	0.003282	$\pm 0.01\%$
	40	13.560627	46.238938	100	0.004624	$\pm 0.01\%$
	50	13.560275	20.280236	100	0.002028	$\pm 0.01\%$
6.4	20	13.560010	0.737463	100	0.000074	$\pm 0.01\%$
8.4	20	13.560157	11.578171	100	0.001158	$\pm 0.01\%$

Note: Please refer to the below plots for normal test:

Normal condition:**For Configuration 1# (Scanner version)****Tested without NFC card**

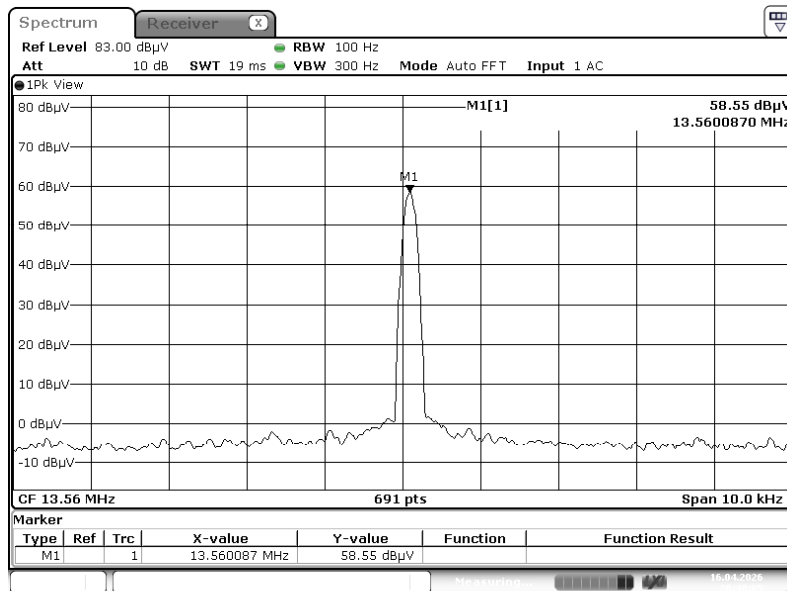
ProjectNo.:2607P42218E-RF Tester:Wlif Wu
Date: 16.APR.2026 20:12:47

Tested with NFC card

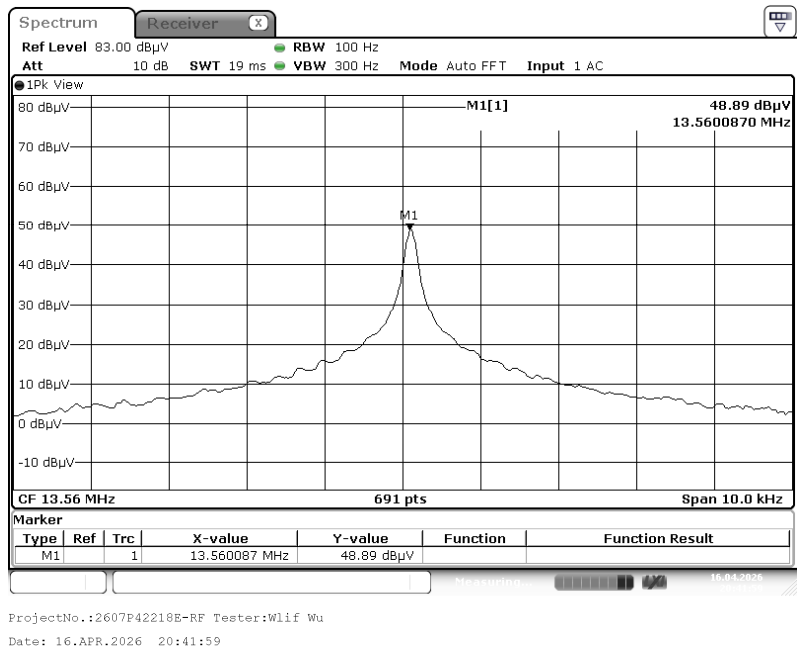


For Configuration 2# (2nd display version)

Tested without NFC card

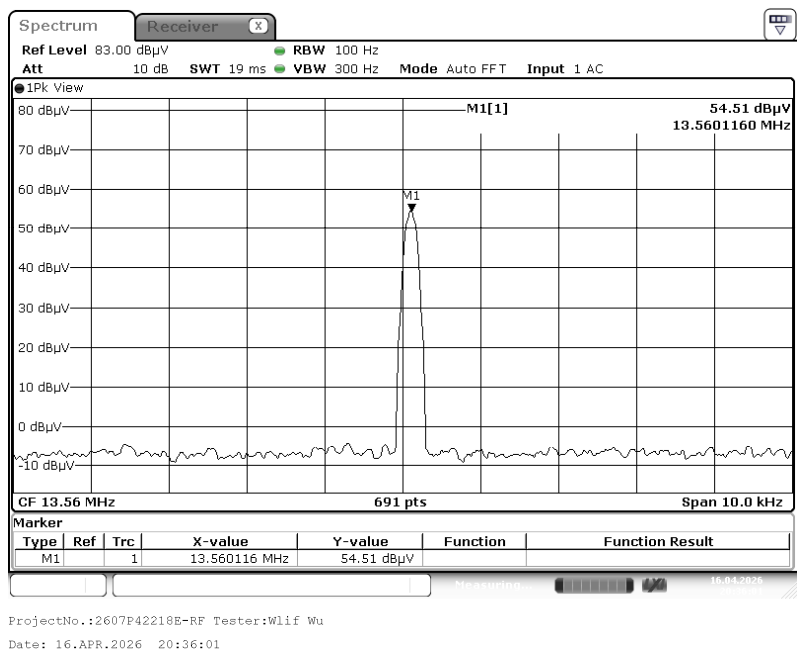


Tested with NFC card

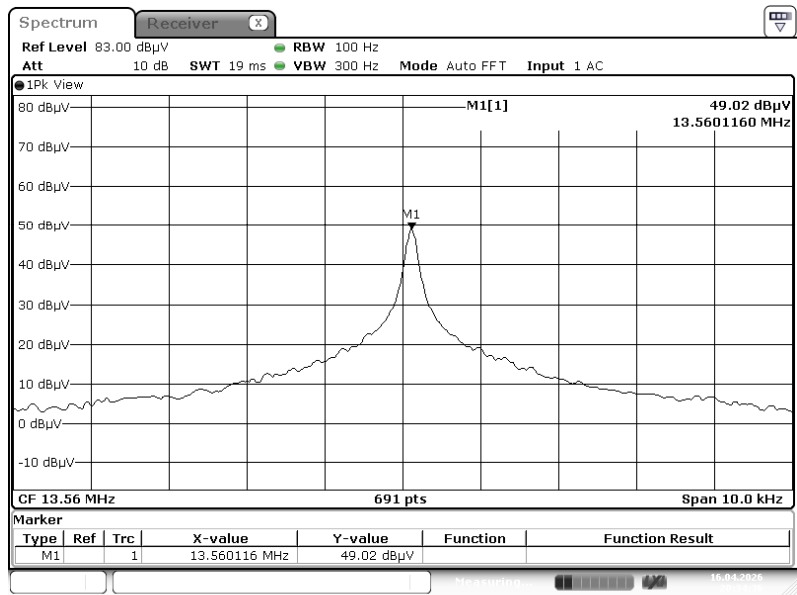


For Configuration 3# (Basic version)

Tested without NFC card



Tested with NFC card



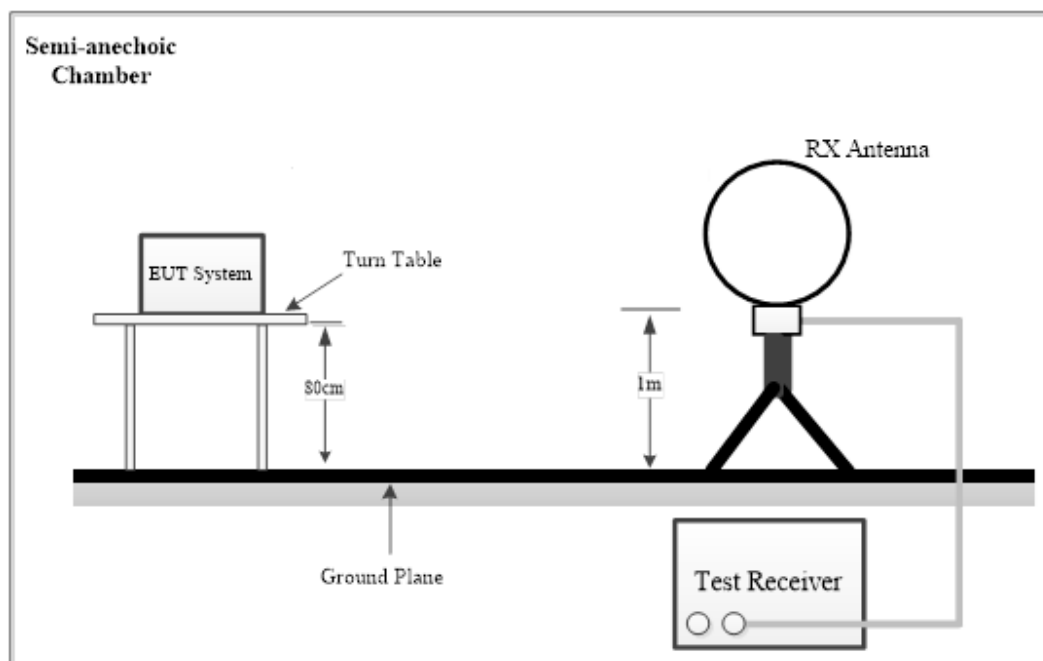
ProjectNo.:2607P42218E-RF Tester:Wlif Wu
Date: 16.APR.2026 20:34:36

FCC§15.215(c) - 20dB EMISSION BANDWIDTH TESTING**Requirement**

Per 15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, 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 requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.

Test Setup

Test Data

Test Mode:	Transmitting	Test Engineer:	Wlif Wu
Test Date:	2026-04-16	Environment:	Temp.: 21.4°C Humi.: 51% Atm: 100.1kPa

Test Result: Compliant***For Configuration 1# (Scanner version)******Tested without NFC card***

Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.275

Tested with NFC card

Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.507

For Configuration 2# (2nd display version)***Tested without NFC card***

Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.249

Tested with NFC card

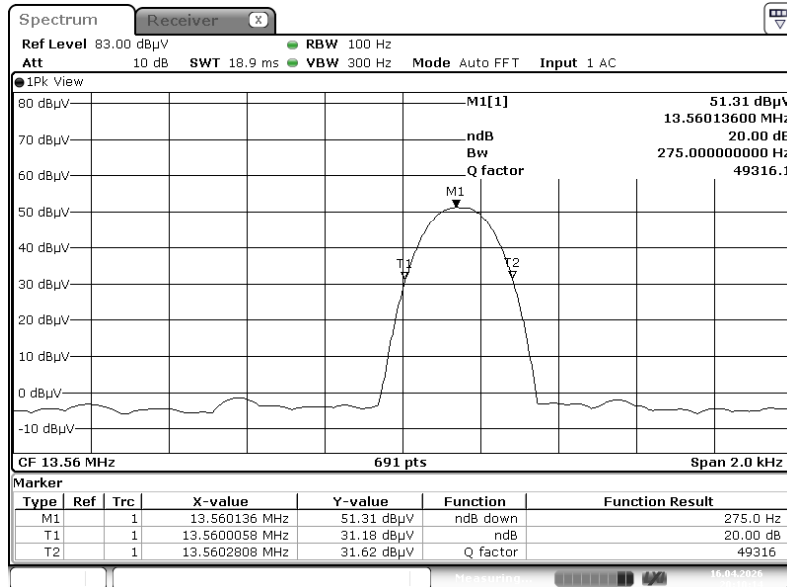
Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.483

For Configuration 3# (Basic version)***Tested without NFC card***

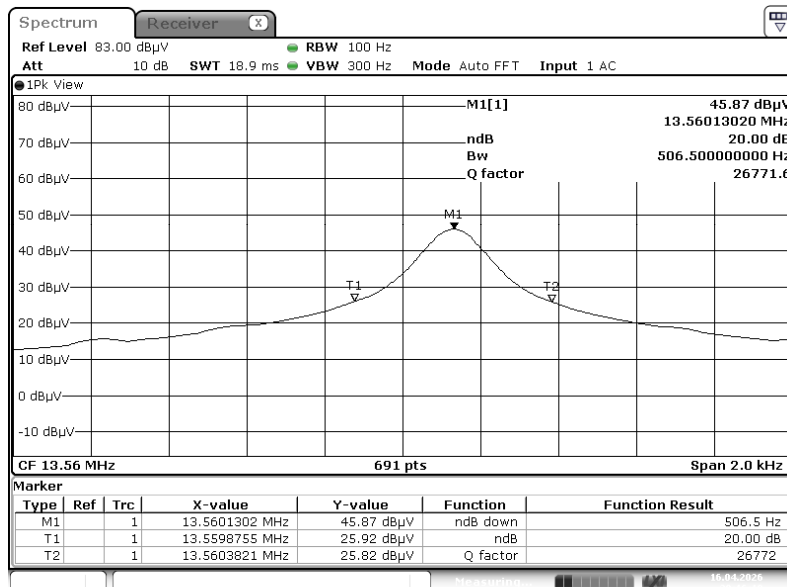
Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.249

Tested with NFC card

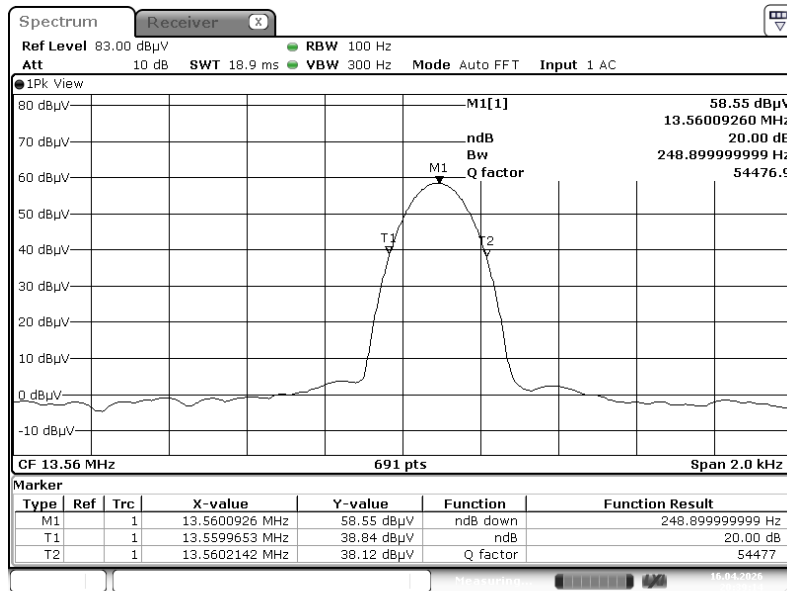
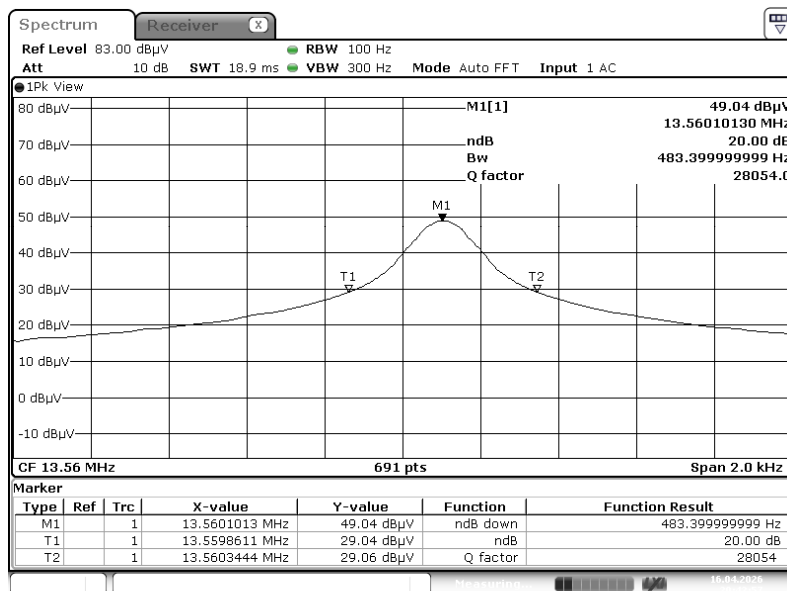
Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	0.509

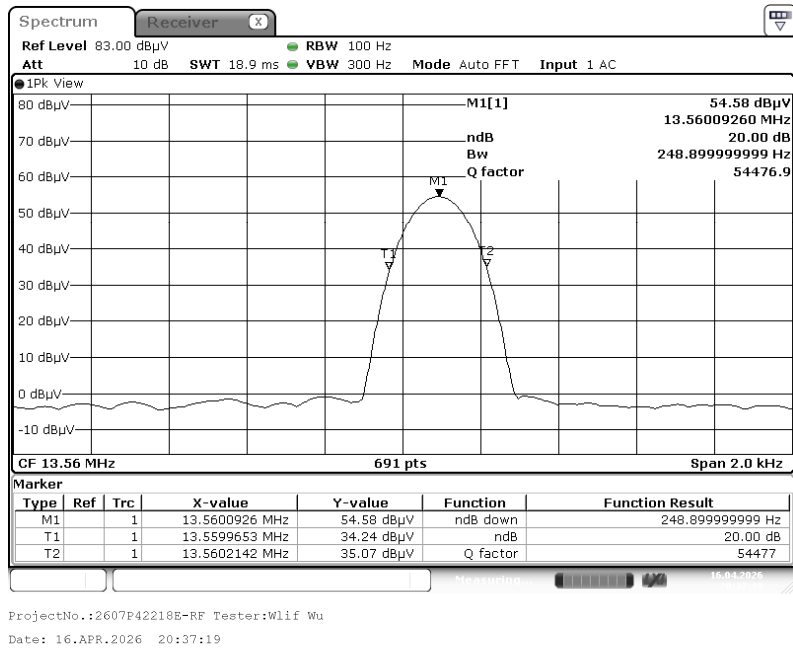
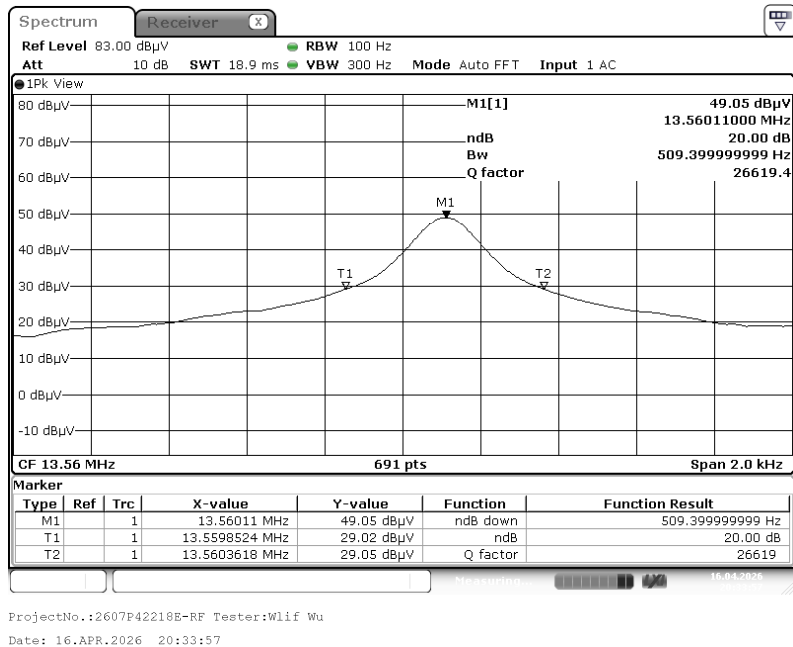
For Configuration 1# (Scanner version)**Tested without NFC card**

ProjectNo.:2607P42218E-RF Tester:Wlif Wu
Date: 16.APR.2026 20:10:14

Tested with NFC card

ProjectNo.:2607P42218E-RF Tester:Wlif Wu
Date: 16.APR.2026 20:16:19

For Configuration 2# (2nd display version)***Tested without NFC card******Tested with NFC card***

For Configuration 3# (Basic version)***Tested without NFC card******Tested with NFC card***

ISED RSS-GEN ISSUE 5 CLAUSE 6.7 – OCCUPIED BANDWIDTH

Applicable Standard

ISED RSS-GEN Issue 5 Clause 6.7

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.

In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

Test Procedure

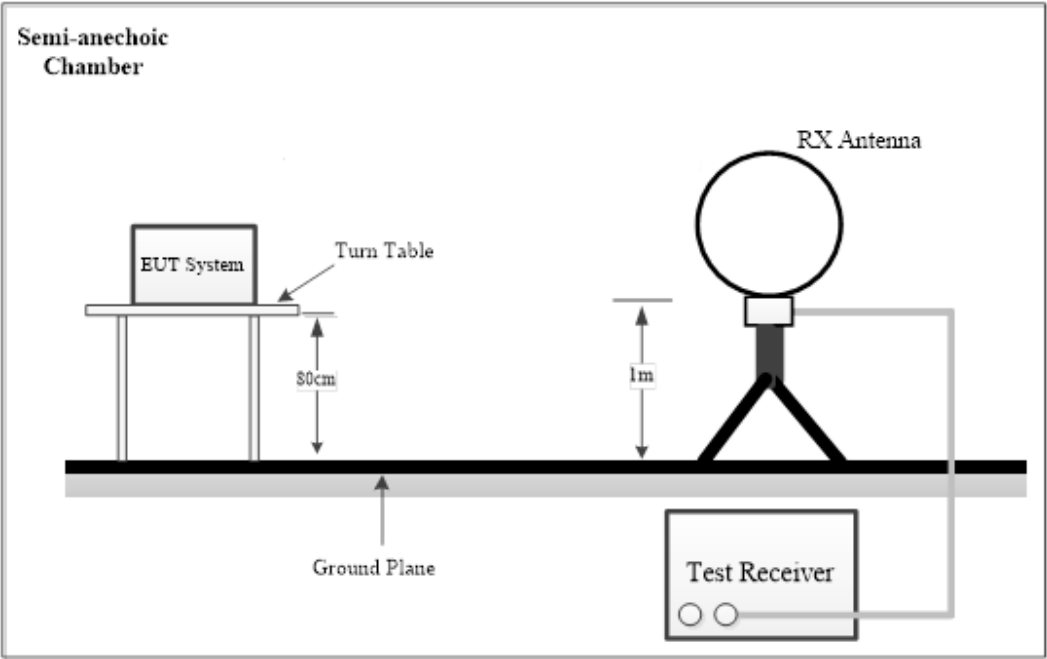
The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

- 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).

Test Setup



Test Data

Test Mode:	Transmitting	Test Engineer:	Wlif Wu
Test Date:	2026-04-16	Environment:	Temp.: 21.4°C Humi.: 54% Atm: 100.1kPa

Test Result: Compliant.

For Configuration 1# (Scanner version)***Tested without NFC card***

Frequency (MHz)	99% Occupied Bandwidth (kHz)
13.56	0.211

Tested with NFC card

Frequency (MHz)	99% Occupied Bandwidth (kHz)
13.56	0.903

For Configuration 2# (2nd display version)***Tested without NFC card***

Frequency (MHz)	99% Occupied Bandwidth (kHz)
13.56	0.211

Tested with NFC card

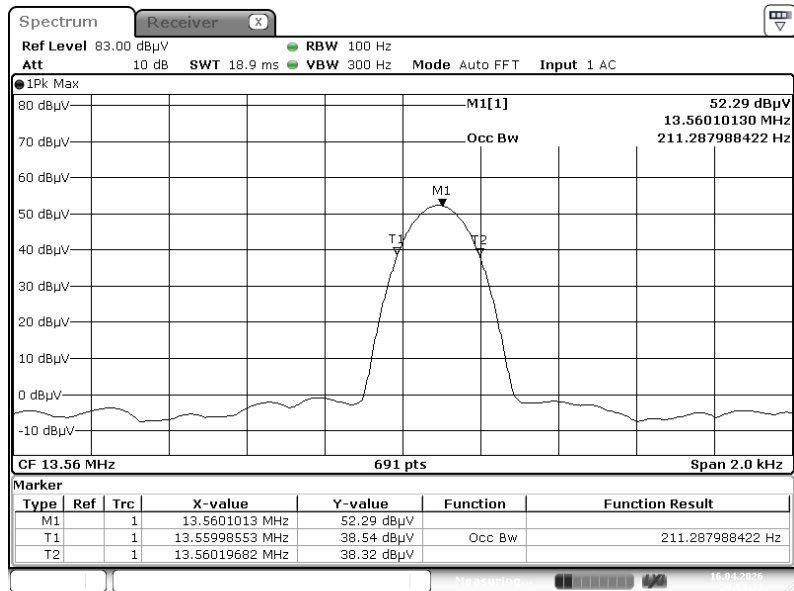
Frequency (MHz)	99% Occupied Bandwidth (kHz)
13.56	0.973

For Configuration 3# (Basic version)***Tested without NFC card***

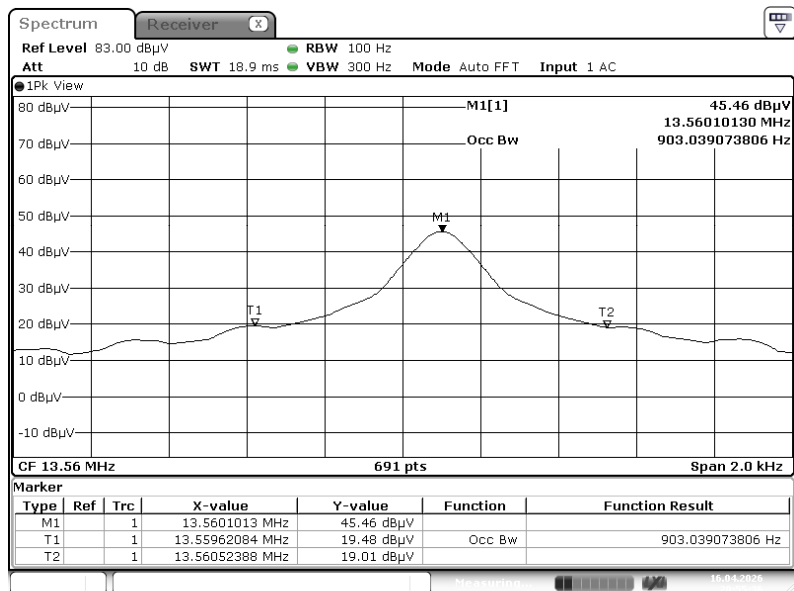
Frequency (MHz)	99% Occupied Bandwidth (kHz)
13.56	0.211

Tested with NFC card

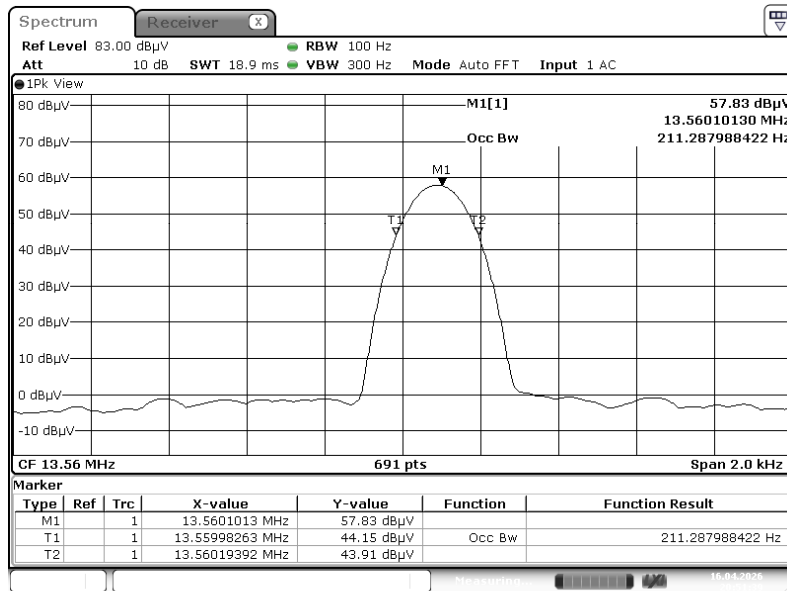
Frequency (MHz)	99% Occupied Bandwidth (kHz)
13.56	0.912

For Configuration 1# (Scanner version)**Tested without NFC card**

ProjectNo.:2607P42218E-RF Tester:Wlif Wu
Date: 16.APR.2026 20:54:23

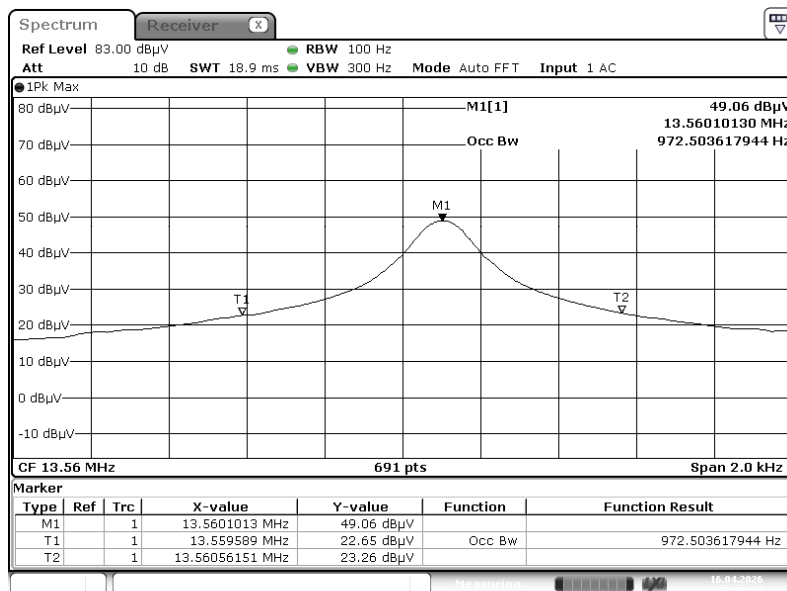
Tested with NFC card

ProjectNo.:2607P42218E-RF Tester:Wlif Wu
Date: 16.APR.2026 20:55:36

For Configuration 2# (2nd display version)***Tested without NFC card***

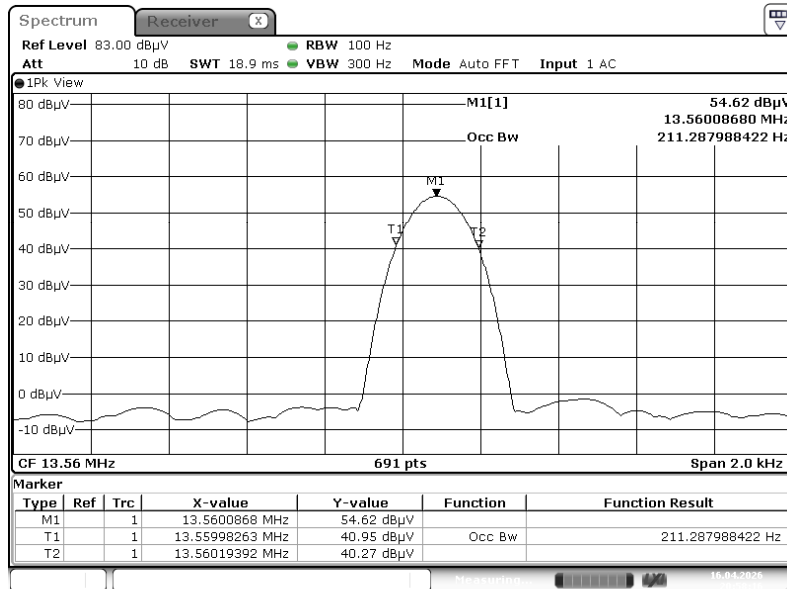
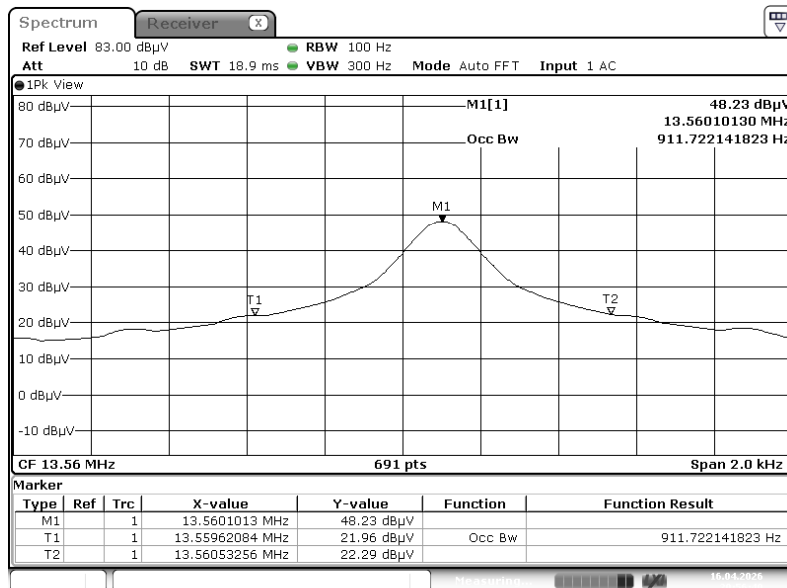
ProjectNo.:2607P42218E-RF Tester:Wlif Wu

Date: 16.APR.2026 20:51:39

Tested with NFC card

ProjectNo.:2607P42218E-RF Tester:Wlif Wu

Date: 16.APR.2026 20:49:14

For Configuration 3# (Basic version)***Tested without NFC card******Tested with NFC card***

EUT PHOTOGRAPHS

Please refer to the attachment 2607P42218E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607P42218E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607P42218E-RF-TSP-03 TEST SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

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