

TEST REPORT

Report Reference No.:	91800100014001	
Sample ID.....:	883954	
Date of issue	15-05-2025	
Total number of pages	33	
Testing Laboratory	TUV SUD South Asia Pvt Ltd	
Address	Plot No. 3-P1-B, Hitech Defence & Aerospace Park, KIADB Industrial Area, BK Palya, Bengaluru, Bengaluru North Taluk Pin code – 562149 India	
Applicant's name	Sudhir Srivastava Innovations Pvt. Ltd.	
Address	P.No.404-405, 3 rd Floor, iLabs Center. Udyog Vihar, Gurugaon – 122016, Haryana, India	
Client Representative.....:	Srinivasa Pilli, Senior Vice President Govt. Affairs	
Test specification Standard.....:	FCC Part 15 Subpart C	
Test Method	ANSI C63.10-2020	
Non-standard test method.....:	NA	
Test Report Form Number.....:	LAB_F(EE)_138-51	
Product Name.....:	RFID Module	
Test Item Description.....:	Intended to read instrument data and regulate its usage	
Manufacturer	Sudhir Srivastava Innovations Private Limited	
Model Number.....:	106MSF0063	
Serial Number.....:	RDR-199	
Ratings.....:	3.3VDC [24VDC I/P is required for auxiliary device (MACT TOP PCBA) which provides 3.3VDC to the RFID Module]	
FCC ID.....:	2BOLQ-106MSF0063	
Tested by (Name + Signature)	Ayazahmad Nadaf	
Reviewed & Approved by (Name + Signature)	Raghunath M N	

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Possible test case verdicts:

- test case does not apply to the test object.... : N/A
- test object does meet the requirement : Pass
- test object does not meet the requirement ... : Fail

Testing:

Condition of the EUT on Receipt.....: Good
 Date of receipt of test item.....: 13-01-2025
 Date (s) of performance of tests.....: 21-01-2025 to 20-06-2025

General remarks:

1. The submitted sample(s) were not drawn by laboratory.
2. The test results presented in this report relate only to the object tested.
3. The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.
4. The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/E-mail is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same.
5. The laboratory will retain the sample(s) for 45 days except for the mandatory retention period specified by the Regulatory Bodies and unless otherwise specified by the client.
6. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
 "(see Enclosure #)" refers to additional information appended to the report.
 "(see appended table)" refers to a table appended to the report.
7. Throughout this report a point is used as the decimal separator.

Use of uncertainty of measurement for decisions on conformity (decision rule): Yes/No

☒ No decision rule is specified by the IEC/EN standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method").

☐ Other: (to be specified)

Decisions on conformity: Decision on conformity of results is based on as per standard limits or criteria.

Summary of compliance: The Product complies with the requirements of FCC Part 15 Subpart C 15.225, 15.215, 15.209, 15.205, 15.207 & 15.203.

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Revision History of Records

Test Report Number	Reason for Change	Date Issued
91800100014001	Initial Report	15-05-2025

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1 GENERAL INFORMATION

1.1 Appendices

The following documents are appended to this report as separate attachments:

Test Setup Photographs, External and Internal Photographs of the EUT, Label and its Location, Block Diagram, EUT Specifications, Schematic Diagrams, Bill of Materials, User Manual, and Maximum Permissible Exposure (MPE) information.

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2 TEST SUMMARY

Sl.no	Requirement – Test	Basic Standard	Result
1.	Occupied Channel bandwidth	FCC Part 15 Subpart C Section 15.215 (c)	Pass
2.	Frequency tolerance	FCC part 15 Subpart C Section 15.225 (e)	Pass
3.	Field Strength Measurement within the band 13.110-14.010 MHz	FCC part 15 Subpart C Section 15.225 (a,b,c,d) / (15.209)	Pass
4.	Radiated spurious emissions	FCC 15.209/15.205	Pass
5.	Conducted Spurious emission Test on AC Power lines	FCC 15.207	Pass
6.	Antenna Requirement	FCC 15.203	Pass

Note:

N/A → Not Applicable

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3 MEASUREMENT UNCERTAINTY

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$

Table 1: Measurement Uncertainty

No.	Item	Uncertainty
1	Conducted Emission Test	2.25dB
2	Radiated Emission Test	4.71 dB

4 TEST EQUIPMENT USED

Table 2: Test Equipment Used

S. No	Test Equipment	Manufacturer	Model No	Serial No	Calibration Due Date
1.	Active Loop Antenna	Schwarzbeck Mess-Elektronik	FMZB 1519C	43	07/04/2026
2.	Broadband Trilog Antenna	Schwarzbeck Mess-Elektronik	VULB 9164	36	04/04/2026
3.	EMI Test Receiver	ROHDE & SCHWARZ	ESR26	101821	05/02/2026
4.	EMI Test Receiver	ROHDE & SCHWARZ	ESW44	103295	10/03/2026
5.	Signal controlling unit	ROHDE & SCHWARZ	SCU01F	100507	----
6.	Climatic Chamber	CME	PAC-225-B-3K	121148	09/12/2025
7.	LISN	Scientific Mes - Technik Pvt. Ltd.	SMLIN32-2	2303007	28/01/2026
8.	Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	103167	16/01/2026

Table 3: Instrument application Software versions

Sl. No	Test Type	Application software and version
1	Antenna Port conducted measurement: TS8997 system	WMS 32 V11.60.00
2	Radiated spurious emission measurement- 10-meter Semi Anechoic Chamber	Elektra V5.03.0

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5 EQUIPMENT INFORMATION

5.1 Product Function

The RFID Module derives its power and data from the MACT TOP PCBA and operates at a frequency of 13.56MHz. It is capable of reading and writing data when an RFID tag is positioned within a 15mm range of the module's antenna. As an integral component of the Mantra 3.0 system, the RFID Module is utilized for equipment identification and its usage regulation.

5.2 General Information of EUT

Table 4: EUT details as declared by client*

EUT Name	RFID Module	
Protocol	RFID 13.56MHz	
Operating Frequency Range	13.110-14.010 MHz	
Environmental conditions	Storage	0°C to 50°C 20% to 80% RH (Non-condensing) 70.0 kPa to 106.0 kPa
	Operating	+10°C to +30°C 55% RH (Non-condensing) 70.0 kPa to 106.0 kPa
Supply Voltage	3.3VDC [24VDC I/P is required for auxiliary device (MACT TOP PCBA) which provides 3.3VDC to the RFID Module]	
Max Measured field strength (Radiated)	45.31 dBμV/m	
Modulation	Amplitude modulation	
Number of antennas	1	
Antenna Type	PCB Loop antenna	
Antenna Gain	N/A	
EUT Dimension (LxWxH)	30.099mm x 29.981mm x 23.427mm	

***Disclaimer:** The TÜV SÜD is not responsible for the accuracy of the customer declared specification.

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6 TEST DESCRIPTION

6.1 Test Operation and software mode

Hardware Version: 0.1

Software Version: 1.3

6.2 Test modes – data rates and modulations

Transmission was enabled with highest possible duty cycle on 13.56 MHz channel.

6.3 Accessories and Auxiliary Equipment

Auxiliary Equipment: MACT TOP PCBA

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7 OPERATIONAL DESCRIPTION

The Sudhir Srivastava Innovations Pvt. Ltd. Model 106MSF0063 is a RFID 13.56MHz transceiver module for use in Mantra 3.0 Surgical Robotic System, intended to assist in the control of surgical instrument. Since the EUT would be installed in the Patient Side Arm Cart during an operation, the EUT was treated as tabletop equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 20mA @3.3V DC, 0.066W. It is powered by MACT TOP PCBA of the Instrument Actuator whose electrical rating is 24V DC. The electrical rating of the Patient side arm cart is 48V DC.

The EUT consisted of the following components:

Company	Model	Description	Serial Number	FCC ID
Sudhir Srivastava Innovations Pvt. Ltd.	106MSF0063	RFID Module	RDR-199	2BOLQ-106MSF0063

Antenna System

It consists of a PCB loop Antenna.

Enclosure

The EUT does not have an enclosure. It is intended to be installed in Patient Side Arm Cart.

Modifications

No modifications were made in EUT during the time the product was at TUV SUD, Bengaluru.

EUT Interface Ports

Port	Connected To	Description	Cable(s)/Connector	Length
Power/Serial	MACT TOP PCBA	MACT TOP PCBA	CONN HEADER VERT 72POS 2.54MM	12mm

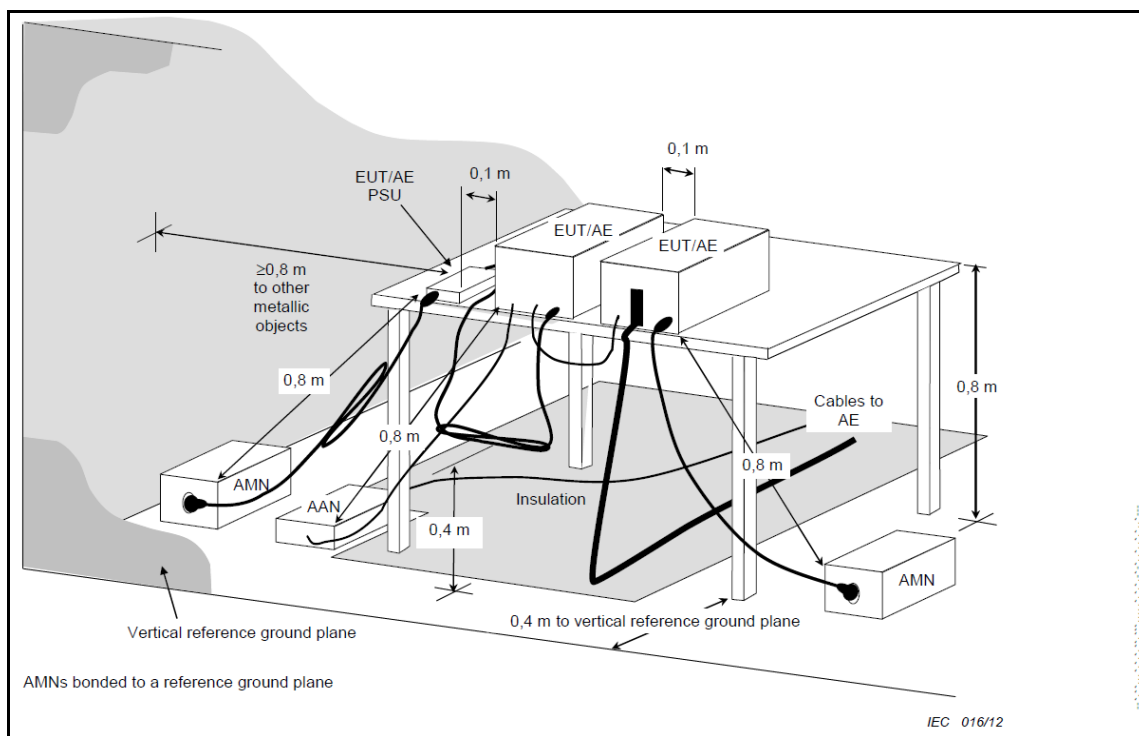
Report Reference. No.: 91800100014001

8 TEST METHODOLOGY

8.1 Conducted Spurious Emission Test on AC Power Lines

AC powerline conducted emissions were measured across the 50Ω LISN port connected to the Equipment Under Test (EUT). Emission voltage and current measurements were performed on each current-carrying conductor at the EUT power cord plug using mating plugs and receptacles on the LISN. The EUT was tested using manufacturer-supplied or recommended power cords, ensuring equivalent electrical and shielding characteristics. The device will be positioned on a test table 80cm above the reference ground plane, with a vertical conducting plane located 40cm to its rear. AC conducted emission measurements were conducted over a frequency range of 150kHz to 30MHz, utilizing an AC adapter with a 110V AC 60Hz supply.

8.1.1 Test Setup Configuration



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8.2 Radiated Emission Test

The radiated emission measurement was performed according to the procedures in ANSI C63.10-2013. The equipment under test (EUT) was placed at the middle of the 1mtr high turntable for below 1 GHz and the EUT is 3 meters far from the measuring antenna. The turntable was rotated 360 ° for obtaining the maximum emission. The height of the measuring antennas was scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. Repeat the measurement steps until the maximum emissions were obtained. The measurement above 1GHz was performed by Horn Antenna, the measurement below 30 MHz was performed by loop antenna, Measurement from 30 MHz to 1000 MHz was performed by Broadband Trilog Antenna.

The EUT was rotated around the X-, Y-, and Z-Axis and the results from worst case axis are recorded

8.2.1 Test Setup Configuration

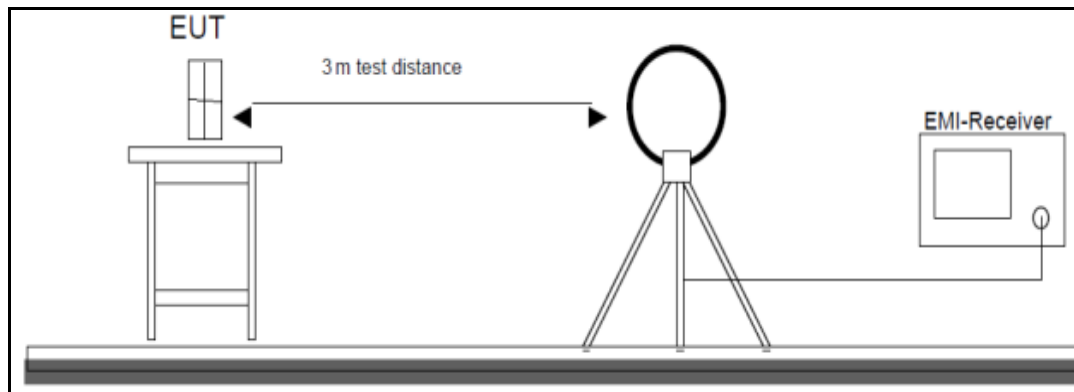


Figure 1: Frequency Range 9 kHz- 30 MHz

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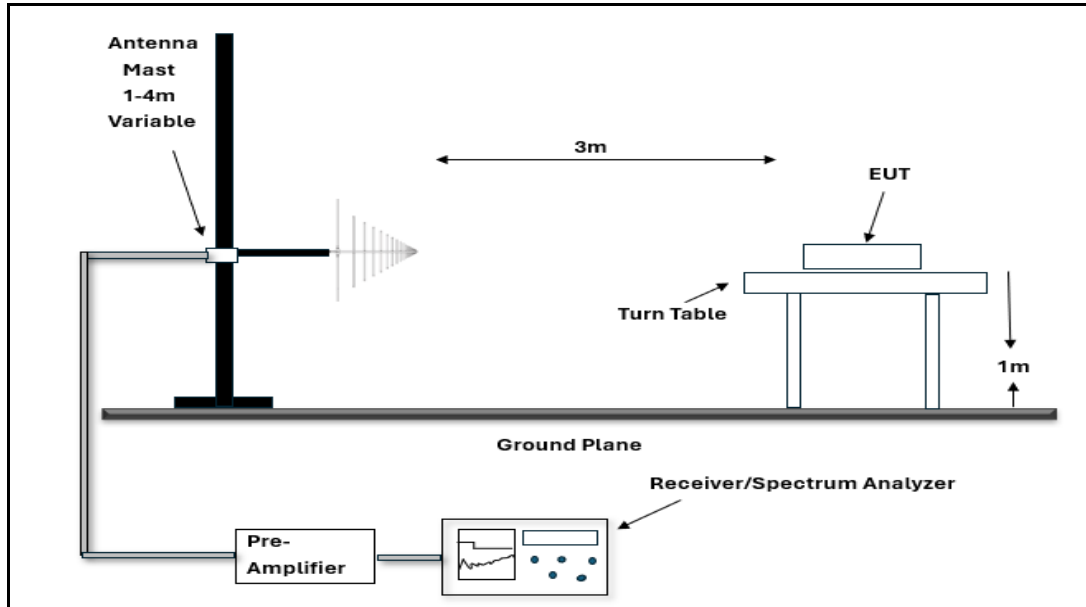


Figure 2: Frequency Range 30 MHz - 1GHz

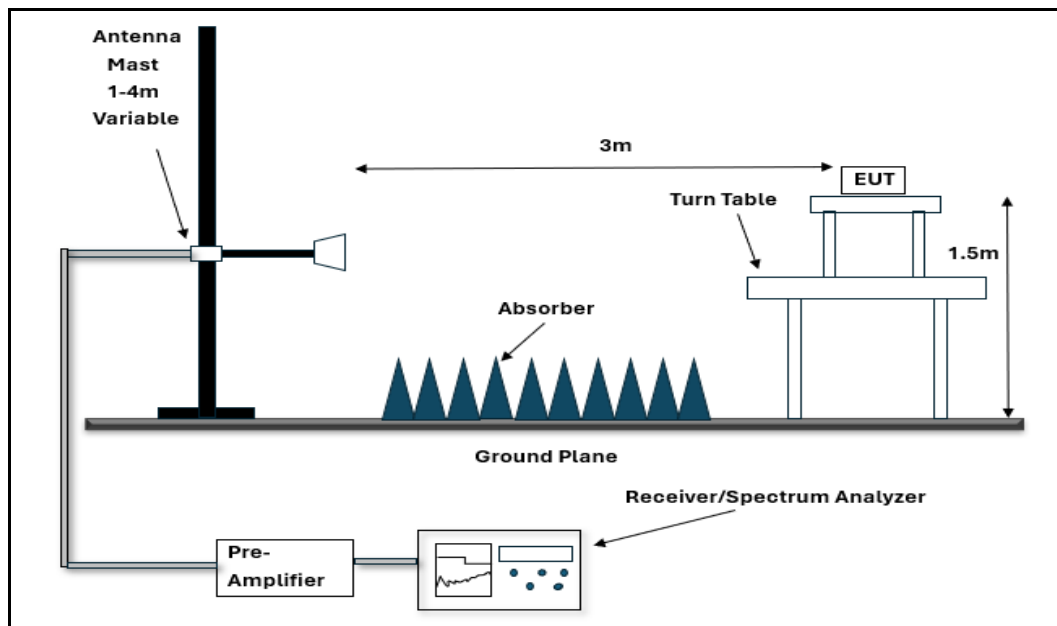


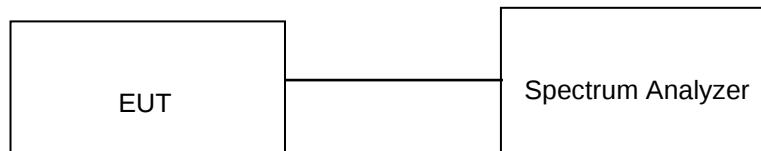
Figure 3: Frequency Range above 1 GHz

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9 TEST CONDITIONS AND RESULTS – OCCUPIED CHANNEL BANDWIDTH

Test Specification	FCC part 15 Subpart C 15.215
Test Method	Subclause 6.9.3 of ANSI C63.10-2020
Measurement Bandwidth	200 Hz
Detector	Peak
Requirement	Operation of the EUT must be within the assigned frequency band i.e 13.553MHz to 13.567MHz

Test Setup:



9.1 Laboratory Environmental Conditions

Ambient Temperature	: +15°C to +35°C
Relative humidity	: 20% to 75%
Power supply	: 110V AC, 60Hz

9.2 EUT Conditions

Temperature	: +10°C to +30°C (declared by manufacturer)
Power supply	: 24VDC

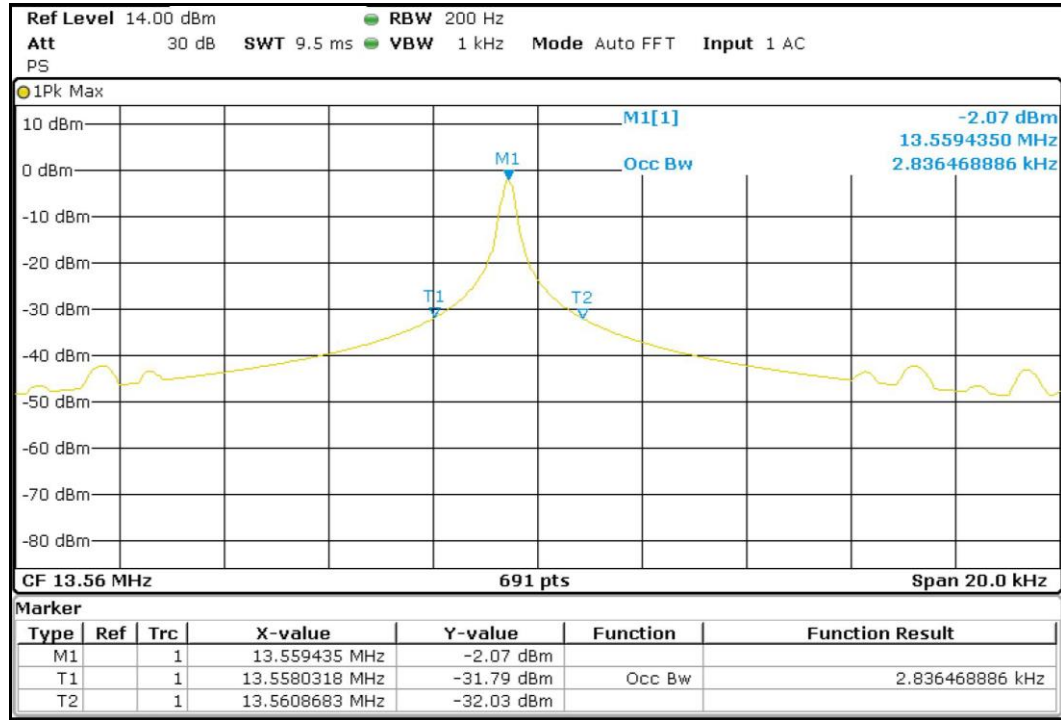
9.3 Test results

Table 5: Occupied channel bandwidth results

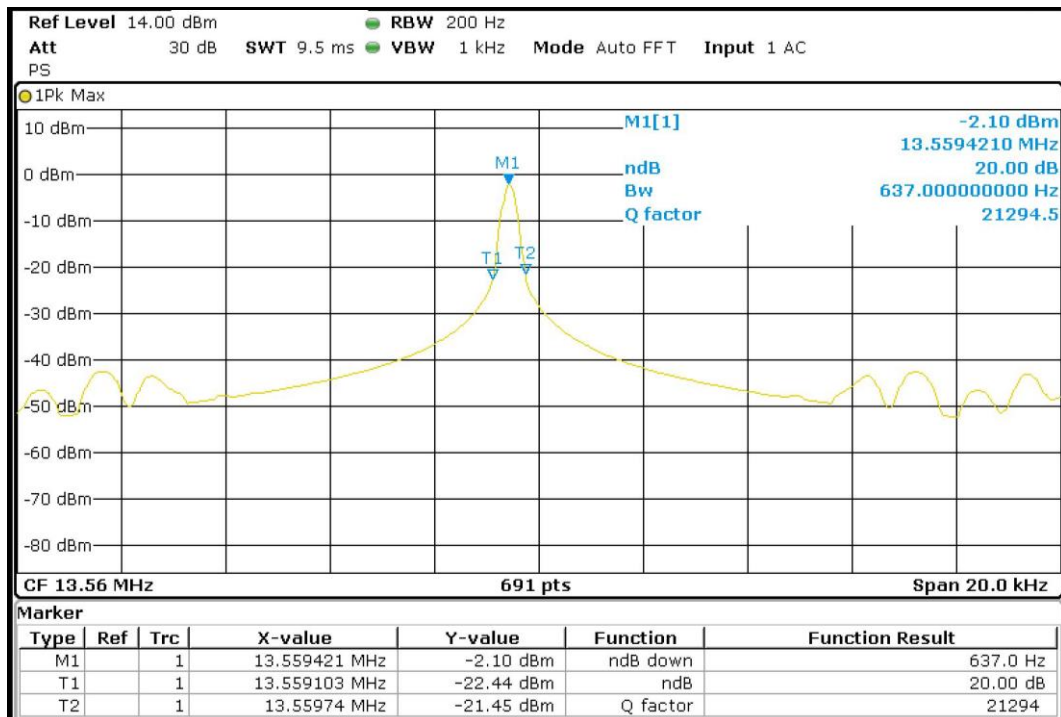
Channel Frequency (MHz)	Measured 99% Occupied Channel Bandwidth (kHz)	Measured 20dB Bandwidth (Hz)	Limit (MHz)
13.56	2.836	637.00	Operation of the EUT must be within the assigned frequency band i.e 13.710MHz to 14.010MHz

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Test plots:



99% Occupied Channel Bandwidth



20dB Bandwidth

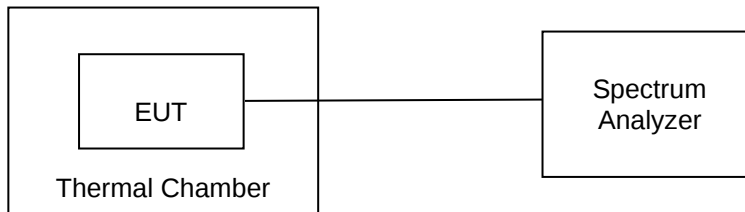
Remark: Use of 1% to 5% RBW is not practical for this modulation, hence RBW of 200Hz is used.

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10 TEST CONDITIONS AND RESULTS – FREQUENCY TOLERANCE

Test Specification	FCC part 15 Subpart C 15.225 (e)
Test Method	Subclause 6.8 of ANSI C63.10-2020
Measurement Bandwidth	30 Hz
Detector	Peak detector
Requirement	The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ as per FCC

Test Setup:



10.1 Laboratory Environmental Conditions

Ambient Temperature	: +15°C to +35°C
Relative humidity	: 20% to 75%
Power supply	: 110V AC, 60Hz

10.2 EUT Conditions

Temperature	: +10°C to +30°C (declared by manufacturer)
Power supply	: 24VDC

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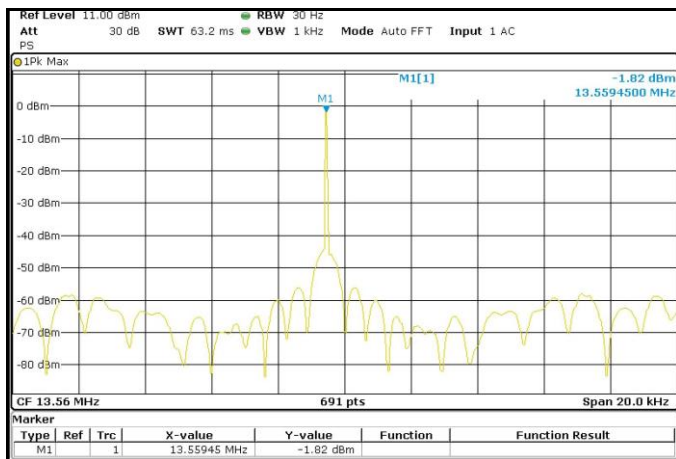
10.3 Test results

Temperature Variation: +10°C

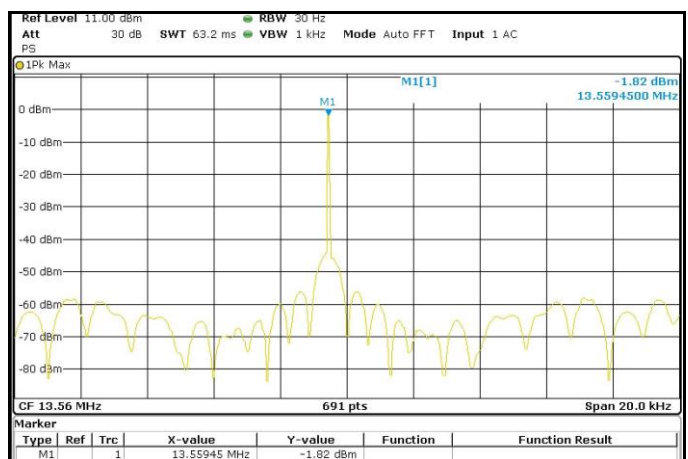
Table 6: Frequency tolerance – temperature variation +10°C results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559450	0.000550	0.00406	±0.01
	2min	13.559450	0.000550	0.00406	±0.01
	5min	13.559450	0.000550	0.00406	±0.01
	10min	13.559450	0.000550	0.00406	±0.01

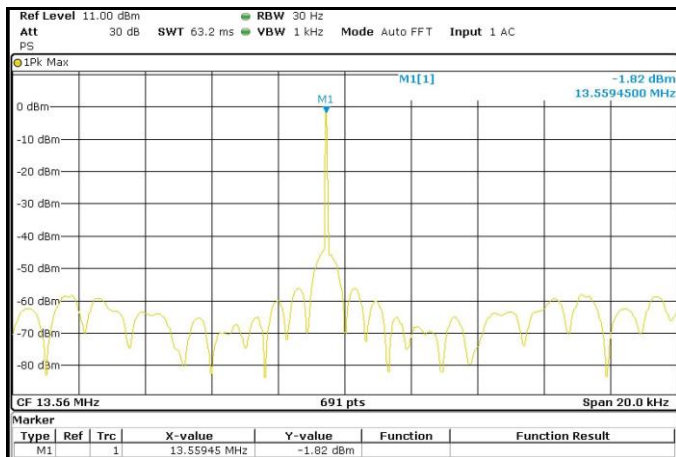
Test Plots:



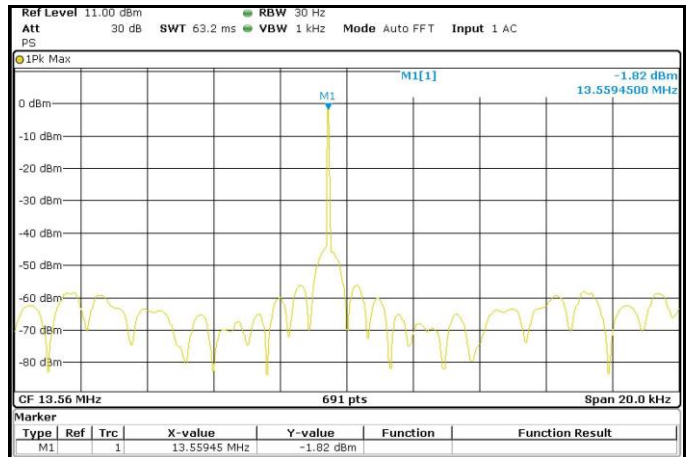
Duration: 0 min



Duration: 2 min



Duration: 5 min



Duration: 10 min

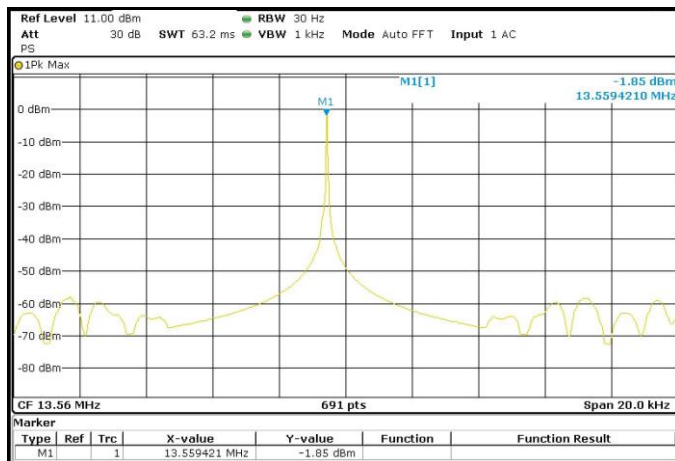
Report Reference. No.: 91800100014001

Temperature Variation: +15°C

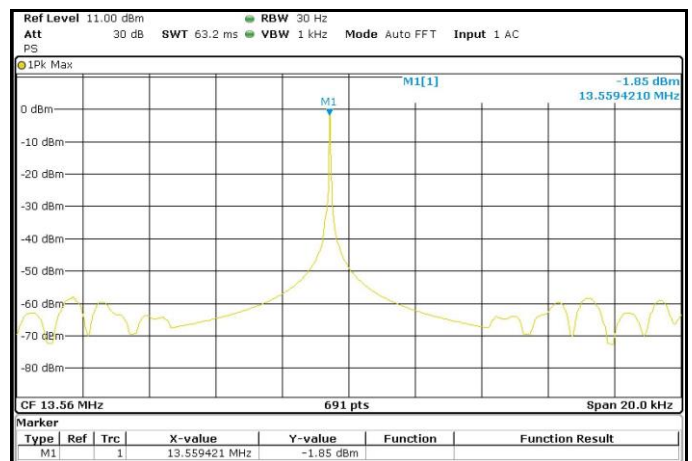
Table 7: Frequency tolerance – temperature variation +15°C results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559421	0.000579	0.00427	±0.01
	2min	13.559421	0.000579	0.00427	±0.01
	5min	13.559421	0.000579	0.00427	±0.01
	10min	13.559421	0.000579	0.00427	±0.01

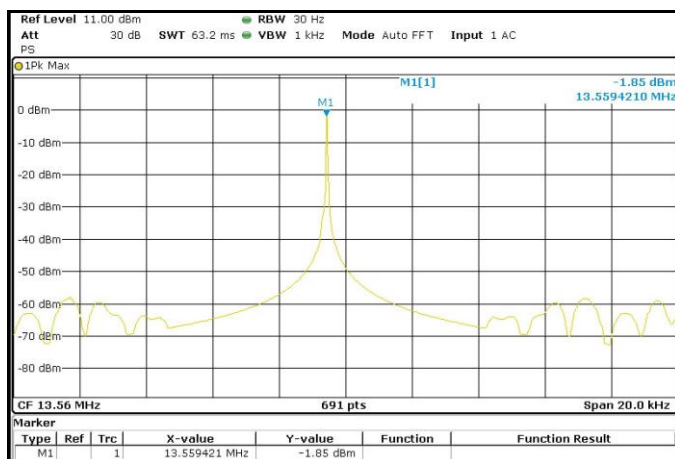
Test Plots:



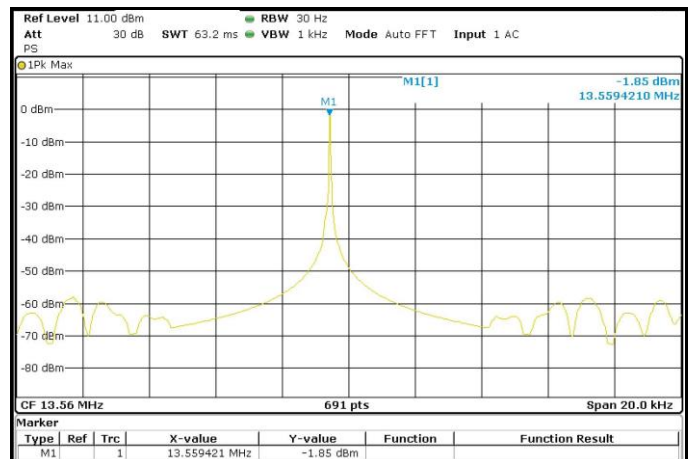
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Duration: 2 min



Duration: 5 min



Duration: 10 min

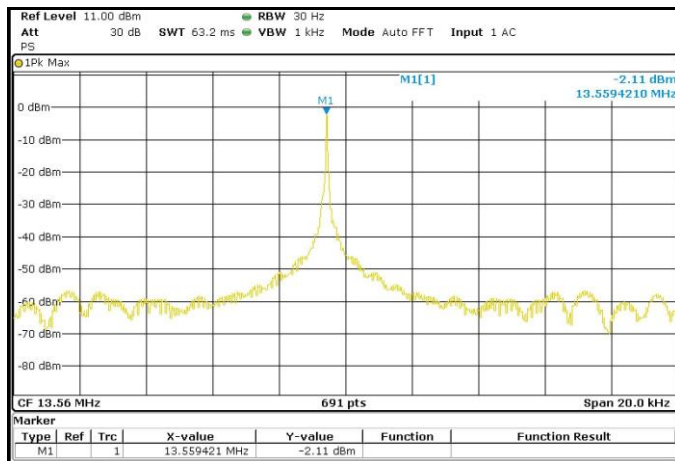
Report Reference. No.: 91800100014001

Temperature Variation: +20°C

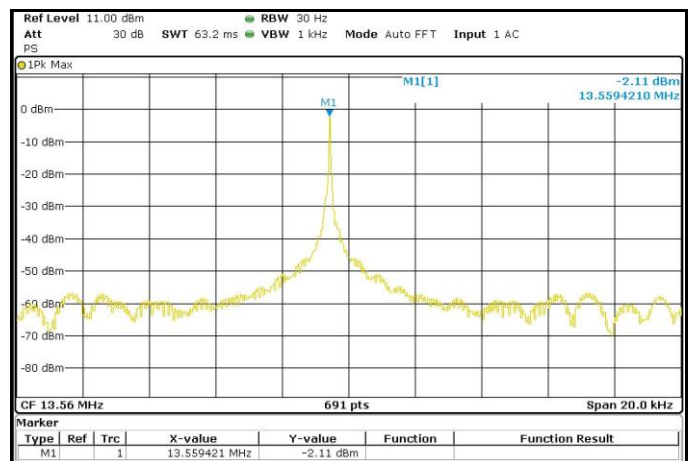
Table 8: Frequency tolerance – temperature variation +20°C results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559421	0.000579	0.00427	±0.01
	2min	13.559421	0.000579	0.00427	±0.01
	5min	13.559421	0.000579	0.00427	±0.01
	10min	13.559421	0.000579	0.00427	±0.01

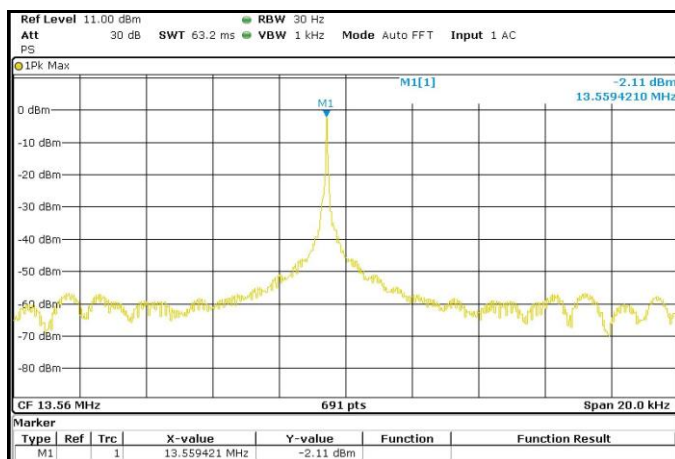
Test Plots:



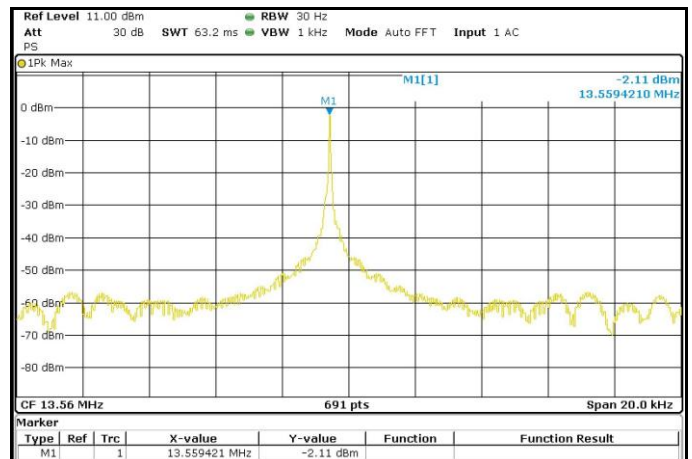
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Duration: 2 min



Duration: 5 min



Duration: 10 min

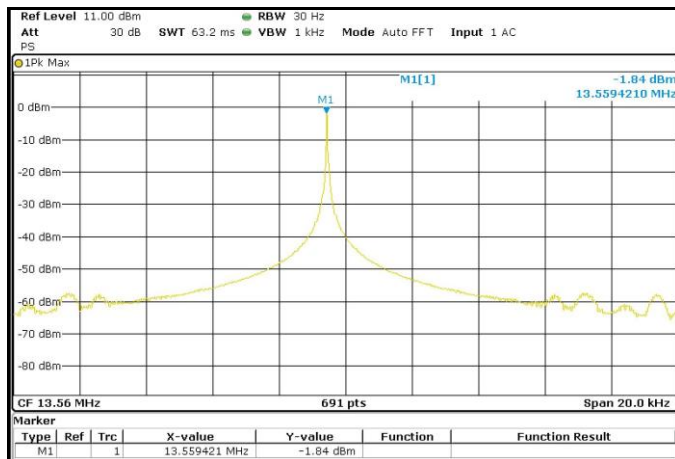
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Temperature Variation: +25°C

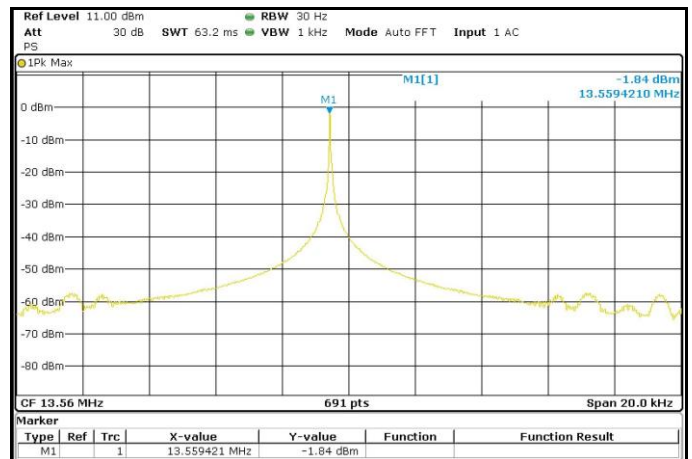
Table 9: Frequency tolerance – temperature variation +25°C results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559421	0.000579	0.00427	±0.01
	2min	13.559421	0.000579	0.00427	±0.01
	5min	13.559421	0.000579	0.00427	±0.01
	10min	13.559421	0.000579	0.00427	±0.01

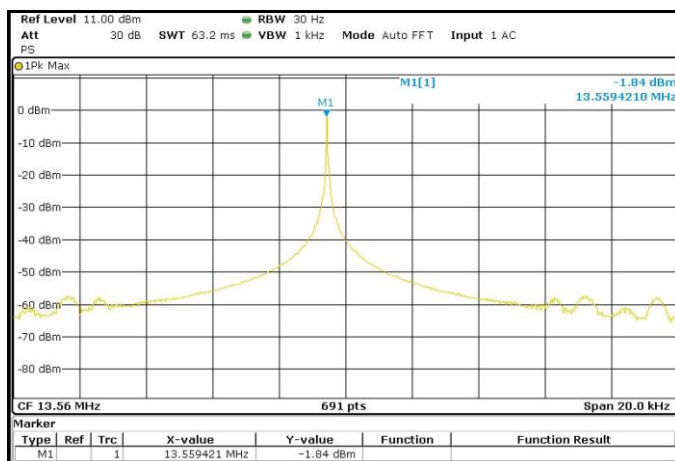
Test Plots:



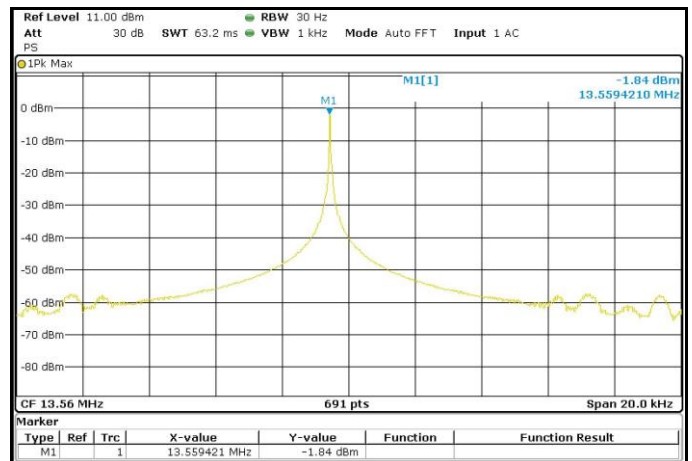
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Duration: 2 min



Duration: 5 min



Duration: 10 min

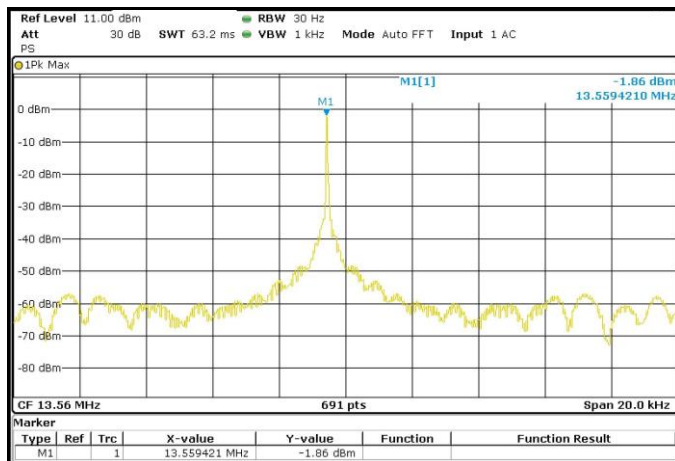
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Temperature Variation: +30°C

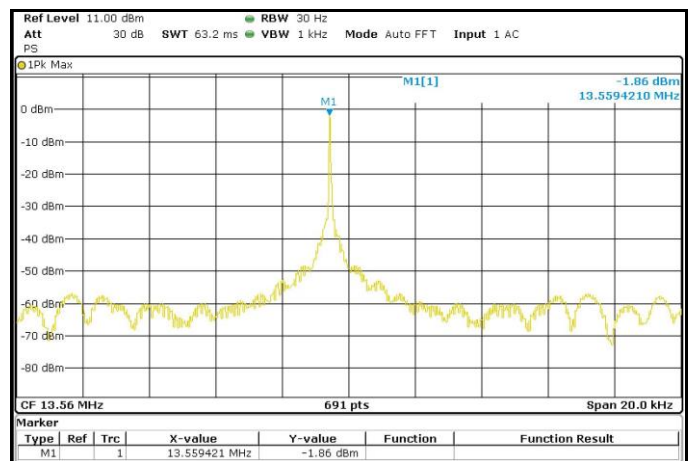
Table 10: Frequency tolerance – temperature variation +30°C results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559421	0.000579	0.00427	±0.01
	2min	13.559421	0.000579	0.00427	±0.01
	5min	13.559421	0.000579	0.00427	±0.01
	10min	13.559421	0.000579	0.00427	±0.01

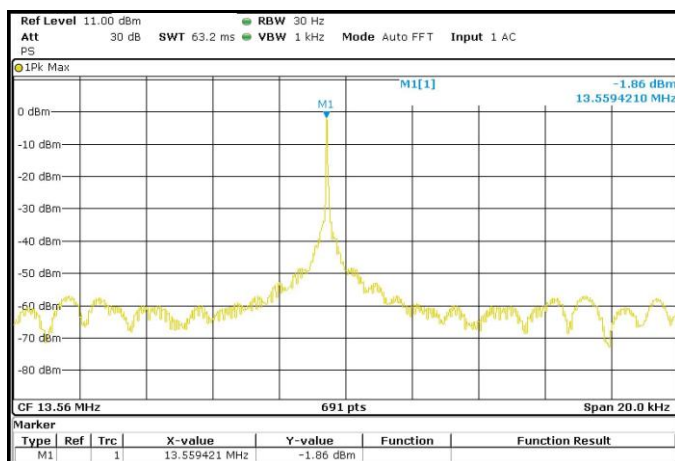
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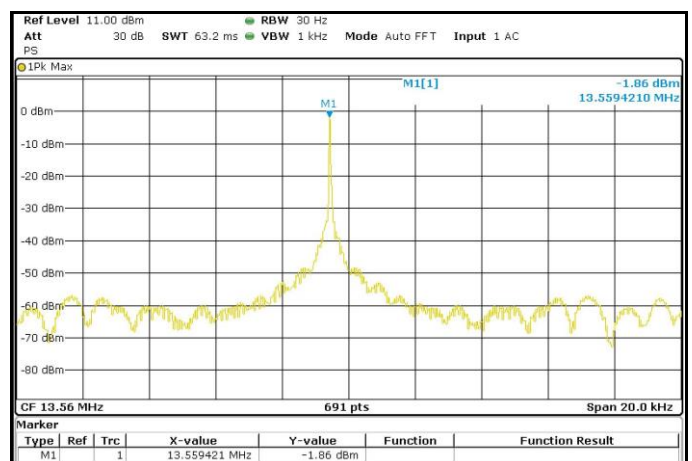
Duration: 0 min



Duration: 2 min



Duration: 5 min



Duration: 10 min

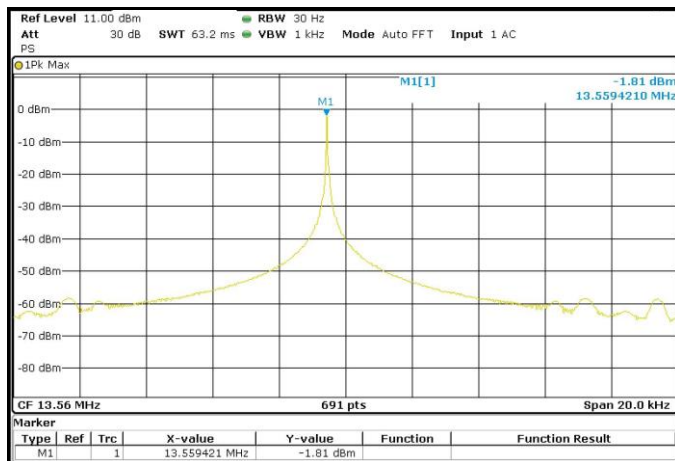
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Voltage Variation: 20.4VDC

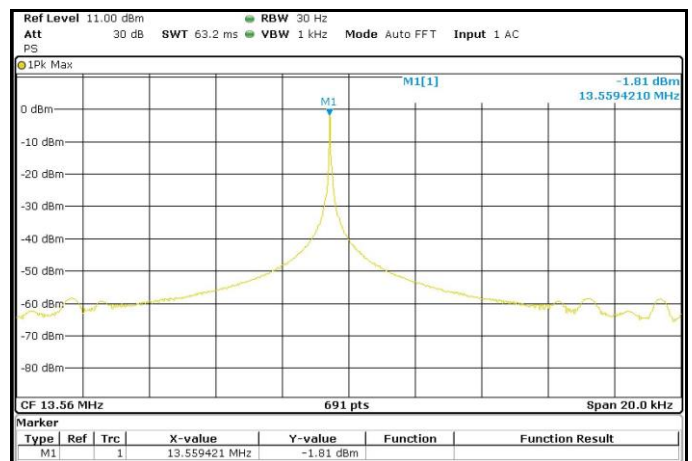
Table 11: Frequency tolerance – Voltage variation 20.4VDC results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559421	0.000579	0.00427	±0.01
	2min	13.559421	0.000579	0.00427	±0.01
	5min	13.559421	0.000579	0.00427	±0.01
	10min	13.559421	0.000579	0.00427	±0.01

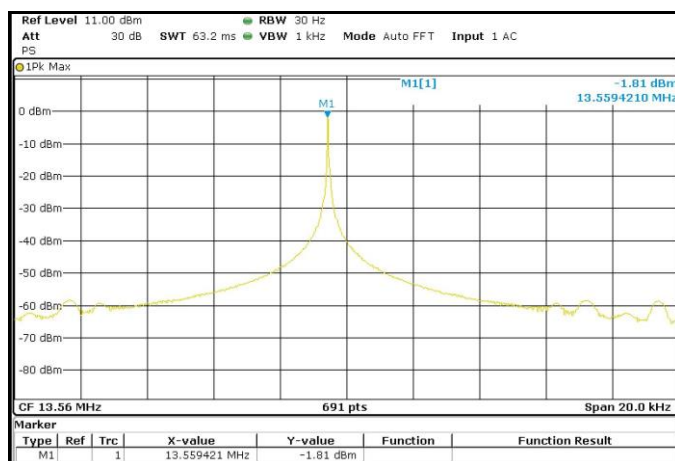
Test Plots:



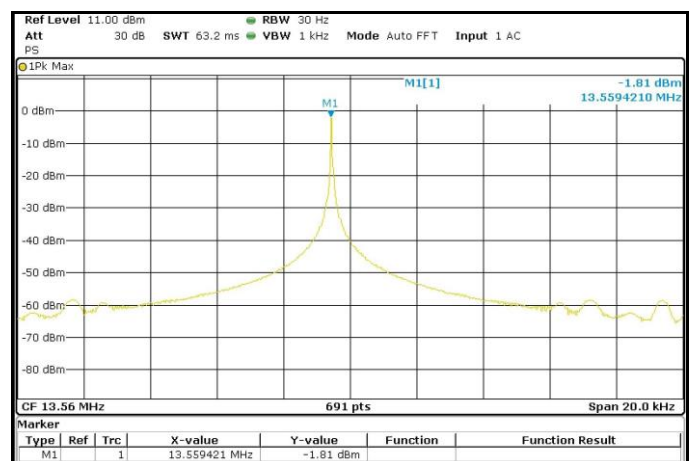
Duration: 0 min



Duration: 2 min



Duration: 5 min



Duration: 10 min

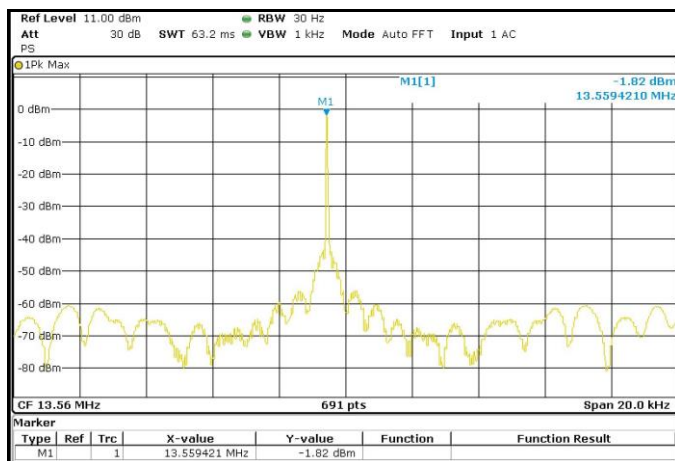
Report Reference. No.: 91800100014001

Voltage Variation: 27.6VDC

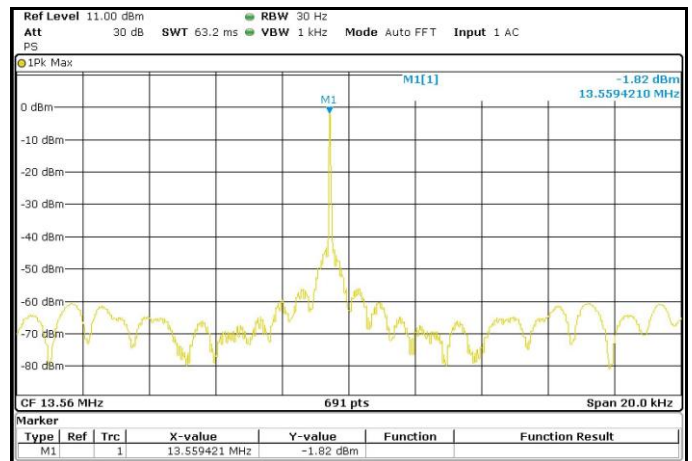
Table 12: Frequency tolerance – Voltage variation 27.6VDC results

Channel Frequency (MHz)	Duration	Measured Frequency (MHz)	Frequency Error (MHz)	Frequency Tolerance (%)	Limit (%)
13.56	0	13.559421	0.000579	0.00427	±0.01
	2min	13.559421	0.000579	0.00427	±0.01
	5min	13.559421	0.000579	0.00427	±0.01
	10min	13.559421	0.000579	0.00427	±0.01

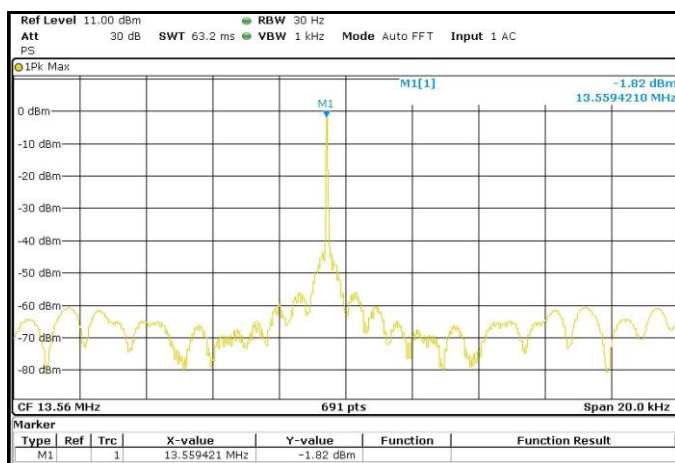
Test Plots:



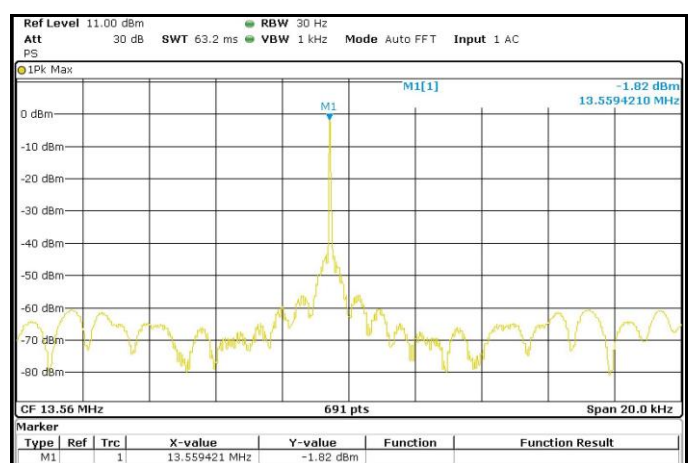
Duration: 0 min



Duration: 2 min



Duration: 5 min



Duration: 10 min

Report Reference. No.: 91800100014001

11 TEST CONDITIONS AND RESULTS – FIELD STRENGTH MEASUREMENT WITHIN THE BAND 13.110-14.010 MHz

Test Specification	FCC part 15 Subpart C 15.225
Test Method	ANSI C63.10-2020
Measuring Distance	3 m
Detector	Peak detector/Quasi Peak
Requirement	As mentioned in the below
Test Setup	Refer <u>TEST METHODOLOGY</u>

Table 13: Field strength limits in 13.110-14.010 MHz operation

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength limit for 30-meter distance ($\text{dB}\mu\text{V/m}$)	Field strength limit for 3-meter distance ($\text{dB}\mu\text{V/m}$)
13.553 -13.567	15848	83.99	123.99
13.410-13.553 and 13.567 -13.710	334	50.47	90.47
13.110 -13.410 and 13.710-14.010	106	40.5	80.5

Note: As per the 15.31 Section f(2), distance correction factor of 40dB/decade is used to convert Field strength limit from 30 meter to 3-meter measurement antenna distance.

11.1 Laboratory Environmental Conditions

Ambient Temperature	: +15°C to +35°C
Relative humidity	: 20% to 75%
Power supply	: 110V AC, 60Hz

11.2 EUT Conditions

Temperature	: +10°C to +30°C (declared by manufacturer)
Power supply	: 24VDC

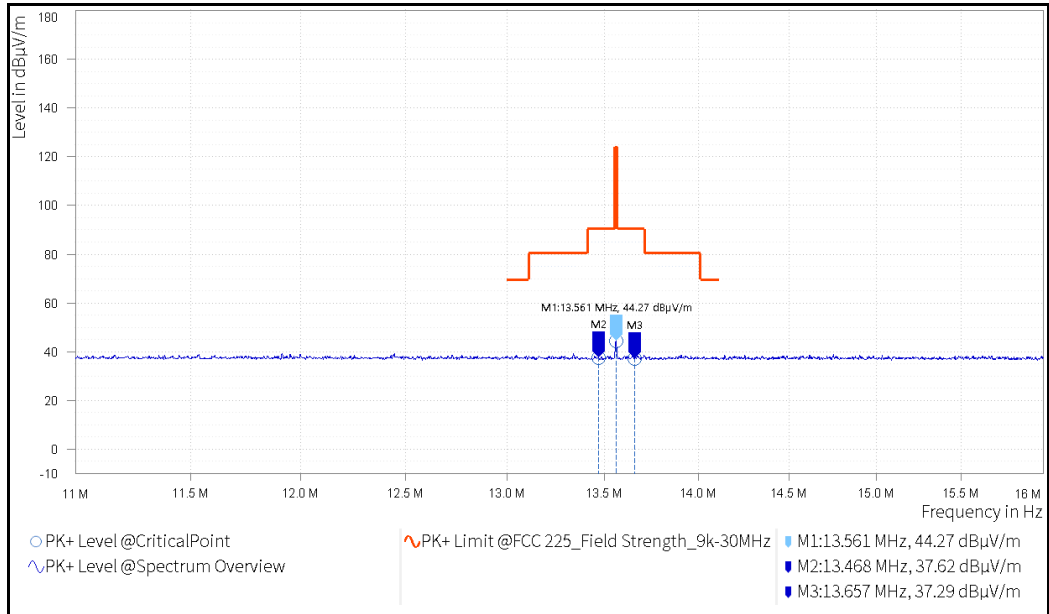
11.3 Test results

Table 14: Field strength measurement within the band 13.110MHz to 14.010MHz results

Antenna Polarization	Measured frequency (MHz)	Field Strength ($\text{dB}\mu\text{V/m}$)	Limit ($\text{dB}\mu\text{V/m}$)	Margin (dB)
Parallel	13.561	44.27	123.99	-79.72
	13.468	37.62	90.47	-52.85
	13.657	37.29	90.47	-53.18
Perpendicular	13.558	45.31	123.99	-78.68
	13.364	37.46	80.50	-43.04
	13.785	38.18	80.50	-42.32

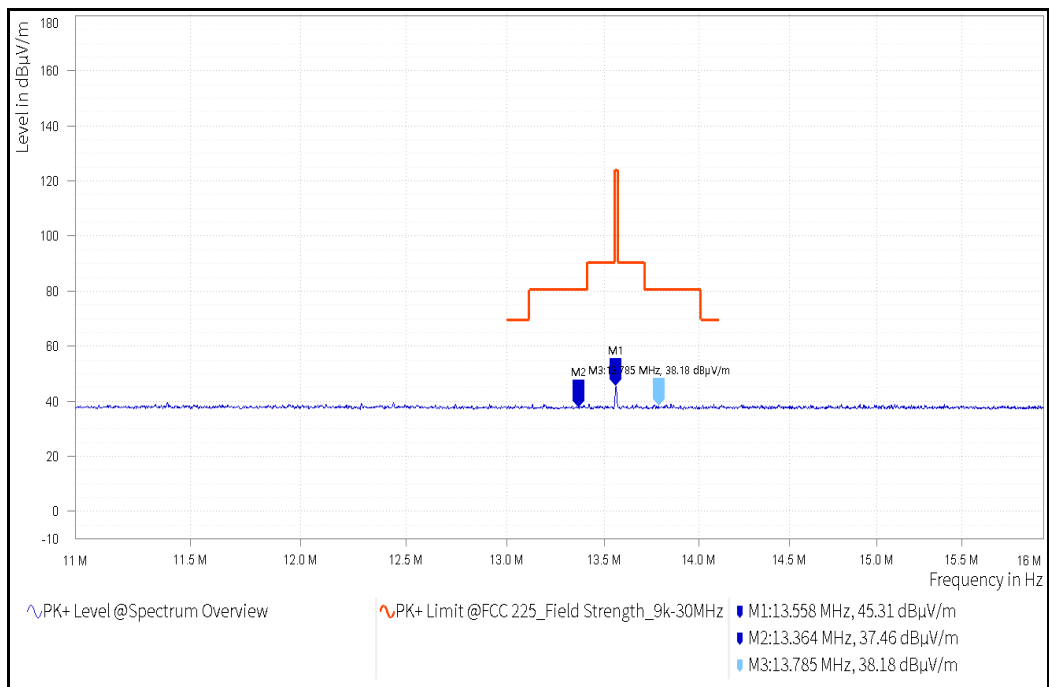
Report Reference. No.: 91800100014001

Test Plots:



Channel Frequency: 13.56MHz

Polarization: Parallel



Channel Frequency: 13.56MHz

Polarization: Perpendicular

Report Reference. No.: 91800100014001

12 TEST CONDITIONS AND RESULTS – SPURIOUS RADIATED EMISSIONS

Test Specification	FCC part 15 Subpart C 15.247 (d) / (15.209 & 15.205)
Test Method	ANSI C63.10-2020
Measuring Distance	3 m
Measurement Bandwidth	120kHz for frequency range < 1GHz
Detector	Refer remarks below
Requirement	As per the mentioned below Limits
Test Setup	Refer <u>TEST METHODOLOGY</u>

Table 15: Transmitter limits for Radiated emission

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength (dB $\mu\text{V/m}$)	Distance of Measurement (m)
0.009 – 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54	30*
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Remark: * The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300-meter, 30 meter and 30-meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54 dB $\mu\text{V/m}$ at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

12.1 Laboratory Environmental Conditions

Ambient Temperature	: +15°C to +35°C
Relative humidity	: 20% to 75%
Power supply	: 110V AC, 60Hz

12.2 EUT Conditions

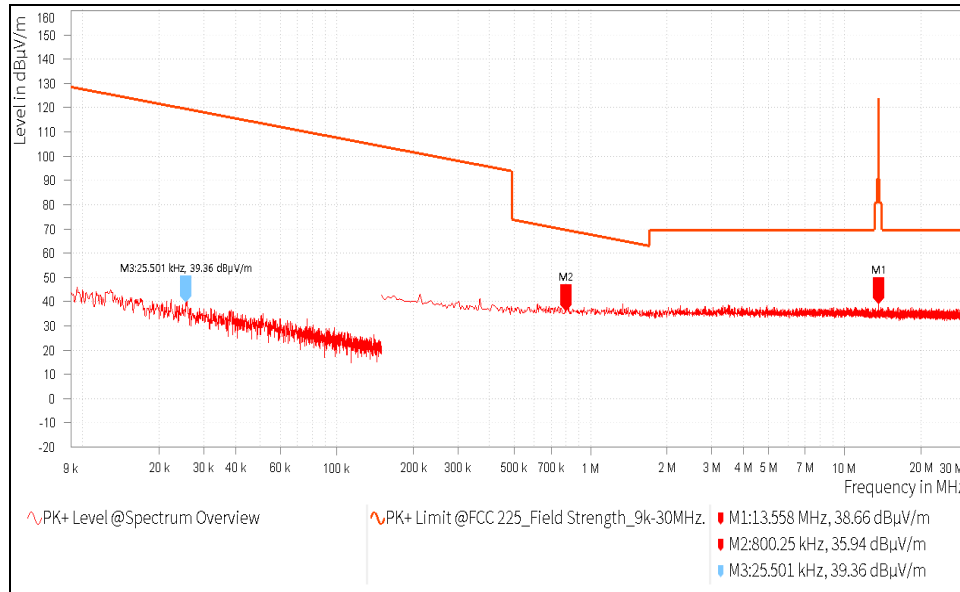
Temperature	: +10°C to +30°C (declared by manufacturer)
Power supply	: 24VDC

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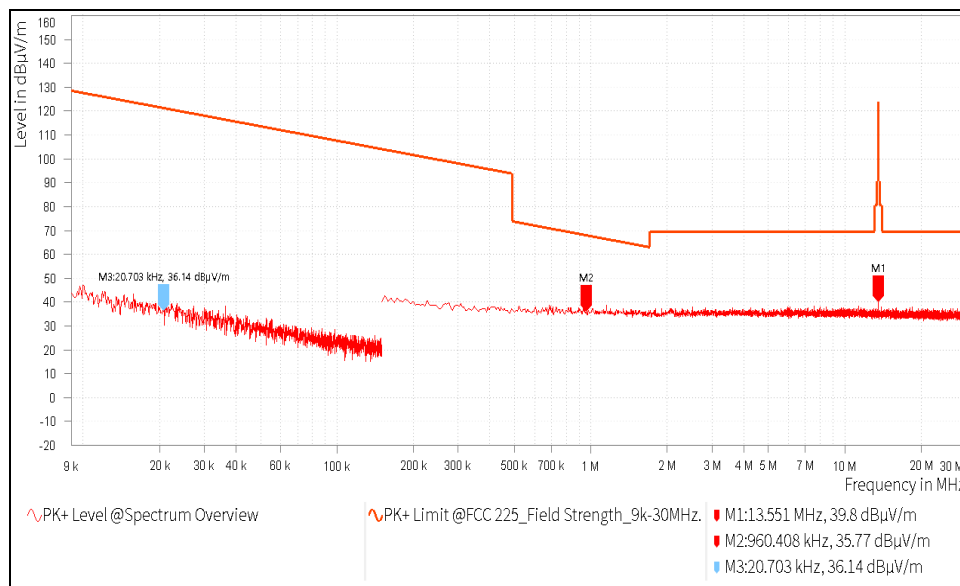
12.3 Test results

Test results for frequency range 9kHz – 30MHz

In the frequency range of 9 kHz to 30 MHz, the EUT's operational frequency of 13.56 MHz was the sole detected emission. All measured spurious emissions were found to satisfy the compliance criterion of a minimum 20 dB margin below the regulatory limit.



Polarization: Parallel



Polarization: Perpendicular

TEST REPORT

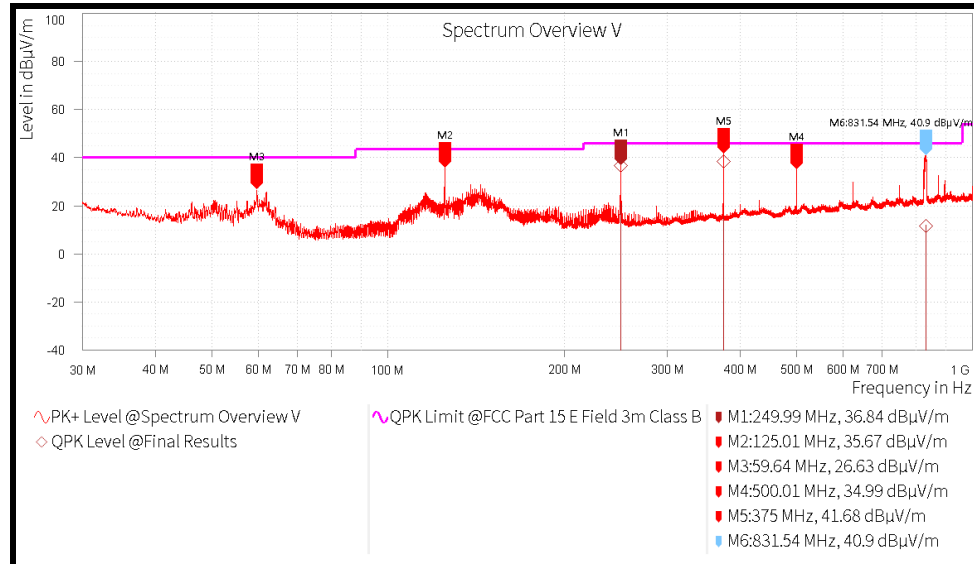
Report Reference. No.: 91800100014001

Table 16: Test results for frequency range 30MHz – 1GHz

Antenna Polarization	Measured Frequency (MHz)	Measured Spurious emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	59.64	26.63	40	-13.37
	125.01	35.67	43.5	-7.83
	249.99	36.84	46	-9.16
	375.00	41.68	46	-4.32
	500.01	34.99	46	-11.01
	831.54	40.90	46	-5.10
Horizontal	59.64	10.86	40	-29.14
	124.98	21.03	43.5	-22.47
	249.99	33.99	46	-12.01
	375.00	38.69	46	-7.31
	624.99	33.25	46	-12.75
	829.05	39.97	46	-6.03

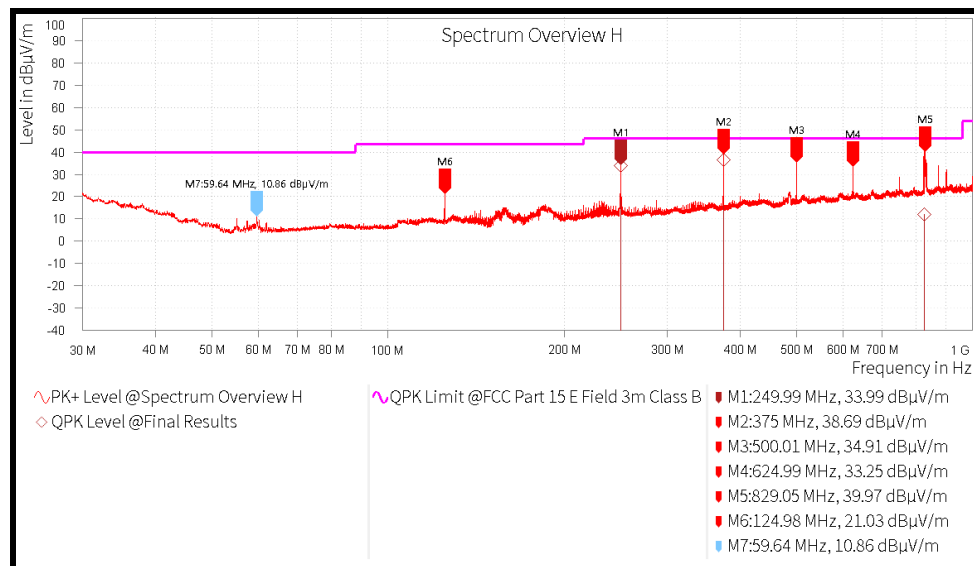
Report Reference. No.: 91800100014001

Test plots:



Frequency range: 30MHz -1GHz

Polarization: Vertical



Frequency range: 30MHz -1GHz

Polarization: Horizontal

Report Reference. No.: 91800100014001

13 TEST CONDITIONS AND RESULTS – CONDUCTED SPURIOUS EMISSION TEST ON AC POWER LINE

Test Specification	FCC Part 15 Section 15.207
Test Method	ANSI C63.10-2020
Testing Location	Shielded Room
Measurement Bandwidth	9kHz
Frequency Range	150kHz – 30MHz
Test Setup	Refer <u>TEST METHODOLOGY</u>

Table 17: Limits of section 15.207

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak (dBμV)	Average (dBμV)
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency

13.1 Laboratory Environmental Conditions

Ambient Temperature	: +15°C to +35°C
Relative humidity	: 20% to 75%
Power supply	: 110V AC, 60Hz

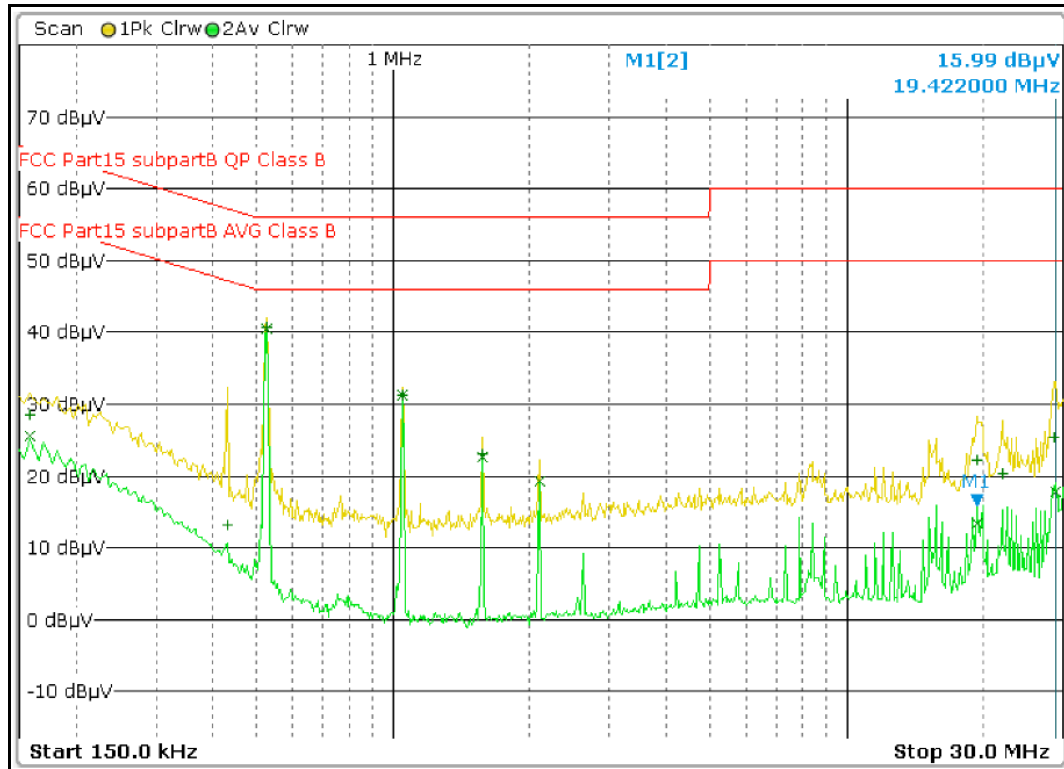
13.2 EUT Conditions

Temperature	: +10°C to +30°C (declared by manufacturer)
Power supply	: 24VDC

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Test result:

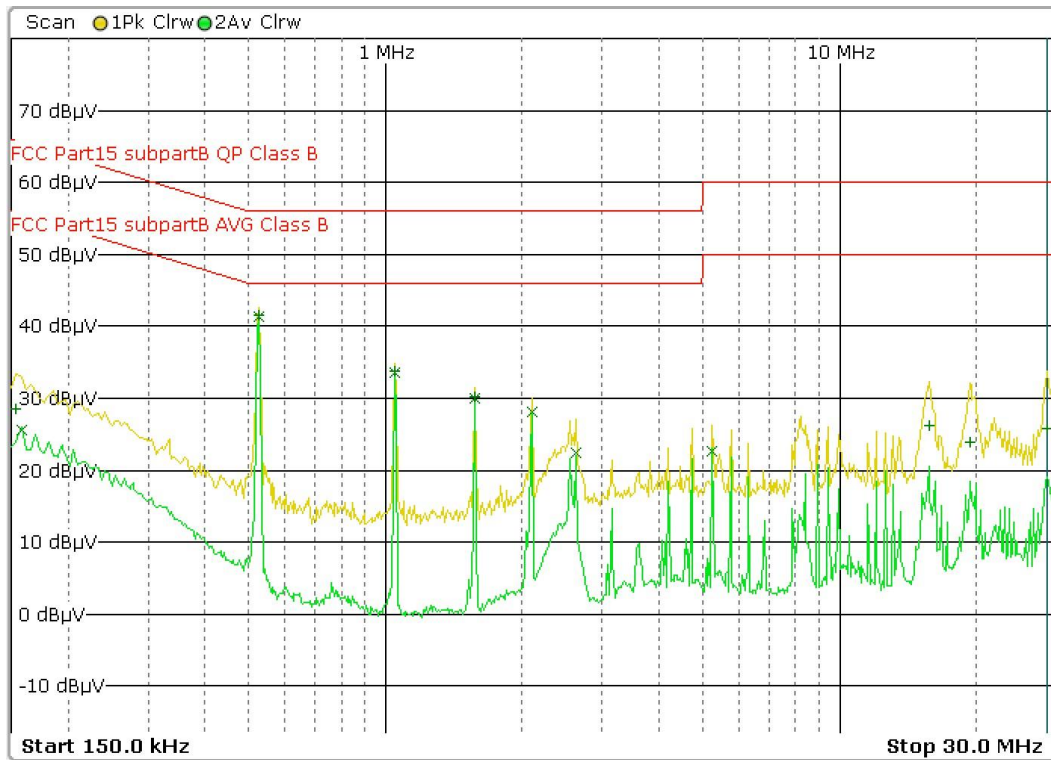
Power: 110VAC_ 60Hz_LINE



Trace	Frequency	Level (dBμV)	Phase	Detector	Delta Limit/dB
2	1.574000000 MHz	22.68		Average	-23.32
1	1.050000000 MHz	31.25		Quasi Peak	-24.75
2	2.098000000 MHz	19.39		Average	-26.61
2	158.000000000 kHz	25.51		Average	-30.06
2	28.846000000 MHz	17.89		Average	-32.11
1	1.574000000 MHz	23.03		Quasi Peak	-32.97
1	28.758000000 MHz	25.44		Quasi Peak	-34.56
2	19.422000000 MHz	13.39		Average	-36.61
1	158.000000000 kHz	28.53		Quasi Peak	-37.04
1	19.414000000 MHz	22.17		Quasi Peak	-37.83
1	22.042000000 MHz	20.35		Quasi Peak	-39.65
1	430.000000000 kHz	13.17		Quasi Peak	-44.08

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Power: 110VAC_ 60Hz_Neutral



Trace	Frequency	Level (dBμV)	Phase	Detector	Delta Limit/dB
2	2.098000000 MHz	28.10		Average	-17.90
1	1.050000000 MHz	33.73		Quasi Peak	-22.27
2	2.622000000 MHz	22.54		Average	-23.46
1	1.574000000 MHz	30.12		Quasi Peak	-25.88
2	5.246000000 MHz	22.60		Average	-27.40
2	158.000000000 kHz	25.63		Average	-29.94
1	15.742000000 MHz	26.21		Quasi Peak	-33.79
1	28.722000000 MHz	25.83		Quasi Peak	-34.17
1	19.422000000 MHz	23.99		Quasi Peak	-36.01
1	154.000000000 kHz	28.63		Quasi Peak	-37.15

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Table 4: EUT details as declared by client*

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Table 13: Field strength limits in 13.110-14.010 MHz operation

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Table 16: Test results for frequency range 30MHz – **1GHz**
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Figure 2: Frequency Range 30 MHz - 1GHz
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-----End of Report-----