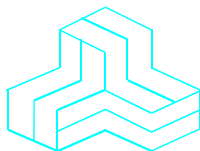


ENGINEERING TEST REPORT



HF/50 MHz Transceiver
Model: IC-7300MK2
FCC ID: AFJ453000

Applicant:

ICOM Incorporated
1-1-32, Kamiminami, Hirano-ku
Osaka, Japan, 547-0003

Tested in Accordance With

Federal Communications Commission (FCC)
47 CFR, Part 15, Subpart B, Scanning Receivers

UltraTech's File No.: 25ICOM633_FCC15B121

This Test report is Issued under the Authority of
Tri M. Luu
Vice President of Engineering
UltraTech Group of Labs

Date: October 2, 2025

Report Prepared by: Santhosh Fernandez

Tested by: Angus Au

Issued Date: October 2, 2025

Test Date(s): September 24- October 2, 2025

- The results in this Test Report apply only to the sample(s) tested, and the sample tested is randomly selected.
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- This test report shall not be reproduced, except in full, without a written approval from UltraTech.

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0685



APEC TEL
CA0001



1309



CA 0001/2049



AT-1945



SL2-IN-E-1119R



CA0001

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EXHIBIT 1. INTRODUCTION

1.1. SCOPE

Reference:	FCC Part 15, Subpart B, Sections 15.107, 15.109, 15.111 & 15.121
Title:	Code of Federal Regulations (CFR), Title 47, Telecommunication, Part 15
Purpose of Test:	To gain FCC Certification Authorization for Scanning Receivers
Test Procedures:	Both conducted and radiated emissions measurements were conducted in accordance with American National Standards Institute ANSI C63.4 - 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
Environmental Classification:	Residential, Commercial, Industrial or Business environment

1.2. RELATED SUBMITTAL(S)/GRANT(S)

None

1.3. NORMATIVE REFERENCES

Publication	Year	Title
FCC CFR Parts 0-19, 80-End	2025	Code of Federal Regulations (CFR), Title 47 – Telecommunication, Part 15 Radio Frequency Devices
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
ANSI C63.10	2020	American National Standard for Testing Unlicensed Wireless Devices
ANSI/TIA-603-E	2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards

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EXHIBIT 2. PERFORMANCE ASSESSMENT

2.1. CLIENT INFORMATION

Applicant
Name and Address: Icom Incorporated 1-1-32, Kamiminami Hirano-ku, Osaka Japan, 547-0003
Contact Person: Mr. Tatsuo Yano Phone #: +81 6 6793 5302 Fax #: +81 6 6793 0013 Email Address: isales@icom.co.jp
Manufacturer: Same as Applicant

2.2. EQUIPMENT UNDER TEST (EUT) INFORMATION

The following information (with the exception of the Date of Receipt) has been supplied by the applicant.

Brand Name:	ICOM Incorporated
Product Name:	HF/50 MHz Transceiver
Model Name or Number:	IC-7300MK2
Serial Number:	00000004
Type of Equipment:	Amateur Transmitter & Scanning Receiver
Power Input Source:	External DC, 13.8 VDC

2.3. EUT'S TECHNICAL SPECIFICATIONS

Receiver	
Equipment Type:	Mobile
Power Supply Requirement:	13.8 VDC
Operating Frequency Range:	0.03 – 74.8 MHz
RF Input Impedance:	50 Ω

2.4. LIST OF EUT'S PORTS

Port Number	EUT's Port Description	Number of Identical Ports	Connector Type	Cable Type (Shielded/Non-shielded)
1	Phone	1	1/8" Head Phone Jack	Non-Shielded
2	Microphone [MIC]	1	Din 8 Pin	Shielded
3	DC Power [DC 13.8V]	1	DC power plug	Non-Shielded
4	Antenna Connector [ANT]	1	SO-239	Shielded
5	HDMI Port	1	HDMI	Shielded
5	USB Type C	1	C Type	Shielded
6	ACC	1	Din 13 Pin	Shielded
7	Remote Control	1	1/8" Mini Jack	Non-Shielded
8	External Speaker [EXT-SP]	1	1/8" Mini Jack	Non-Shielded
9	Key	1	1/4" Jack	Shielded
10	Send Control [SEND]	1	RCA	Shielded
11	ALC Input [ALC]	1	RCA	Shielded

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2.5. ANCILLARY EQUIPMENT

The EUT was tested while connected to the following representative configuration of ancillary equipment necessary to exercise the ports during tests:

Ancillary Equipment # 1	
Description:	External Microphone
Brand name:	ICOM
Model Name or Number:	HM-219

Ancillary Equipment # 2	
Description:	Stereo Headphone
Brand name:	Cyber Acoustics

Ancillary Equipment # 3	
Description:	External Speakers
Brand name:	Cyber Acoustics
Part Number:	2070

2.6. General Block Diagram for Tests

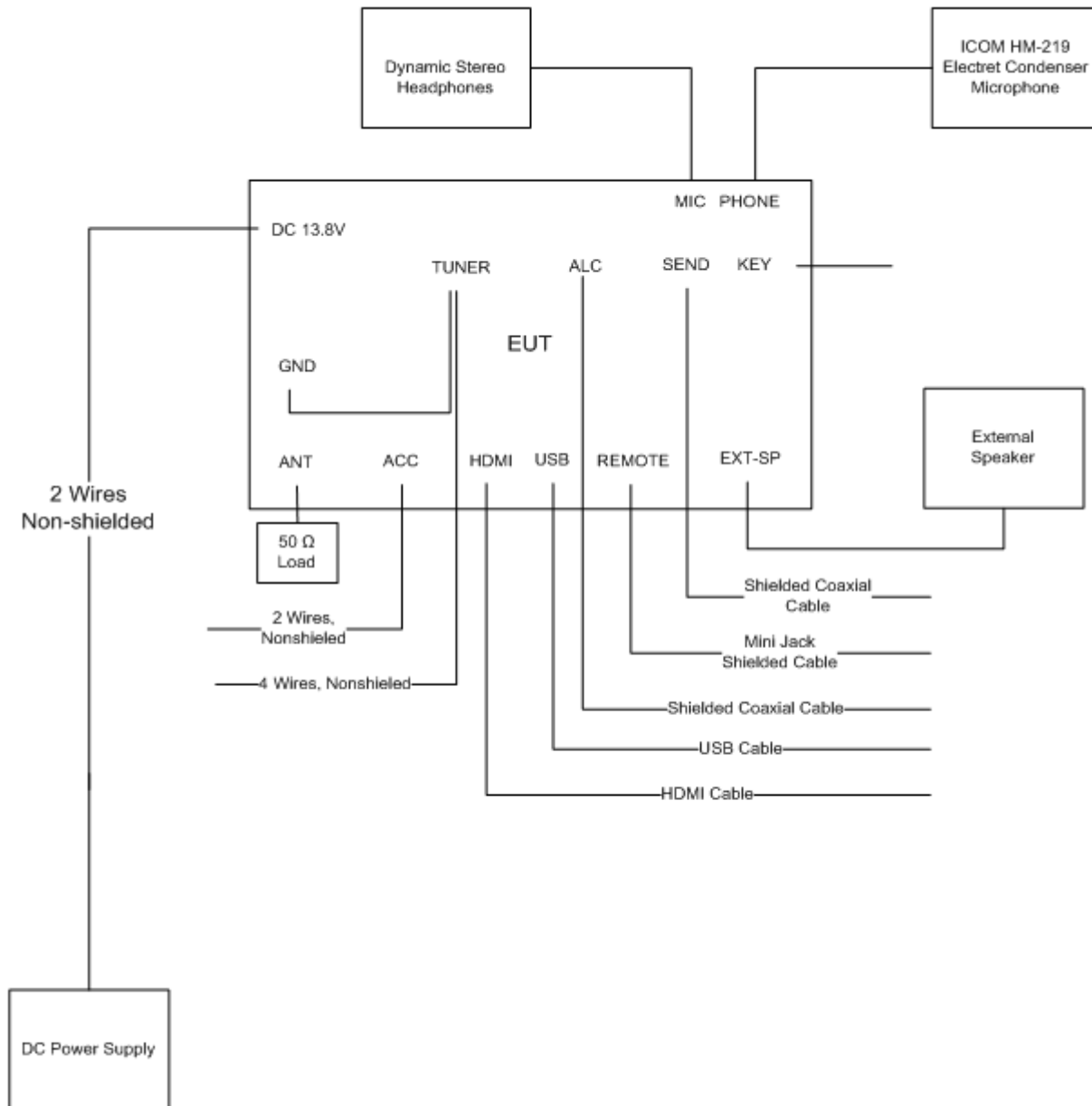


EXHIBIT 3. EUT OPERATING CONDITIONS AND CONFIGURATIONS DURING TESTS

3.1. CLIMATE TEST CONDITIONS

The climate conditions of the test environment are as follows:

Temperature:	21 - 24°C
Humidity:	25 - 45%
Pressure:	101 -102 kPa
Power input source:	13.8 VDC

3.2. OPERATIONAL TEST CONDITIONS & ARRANGEMENT FOR TEST SIGNALS

Operating Modes:	The receiver was operated in the normal intended mode during testing
Special Test Software:	None
Special Hardware Used:	None
Receiver Test Antenna:	The EUT was tested with its antenna port terminated to 50Ω

Receiver Test Signals	
Frequency Band(s):	0.03 – 74.8 MHz
Test Frequency(ies): (Near lowest, near middle & near highest frequencies in the frequency range of operation.)	30 MHz, 52.4 MHz and 74.8 MHz

EXHIBIT 4. SUMMARY OF TEST RESULTS

4.1. LOCATION OF TESTS

All of the measurements described in this report were performed at Ultratech Group of Labs located in the town of Oakville, Province of Ontario, Canada.

- AC Powerline Conducted Emissions were performed in UltraTech's shielded room, 24'(L) by 16'(W) by 8'(H).
- Radiated Emissions were performed at the Ultratech's 3-10 TDK Semi-Anechoic Chamber situated in the Town of Oakville, province of Ontario. This test site been calibrated in accordance with ANSI C63.4, and found to be in compliance with the requirements of Sec. 2.948 of the FCC Rules. The descriptions and site measurement data of the Oakville 3-10 TDK Semi-Anechoic Chamber has been filed with ANAB File No.: AT-1945.

4.2. APPLICABILITY & SUMMARY OF EMC EMISSION TEST RESULTS

FCC Part 15, Subpart B	Test Requirements	Compliance (Yes/No)
15.107(a), Class B	Power Line Conducted Emissions Measurements	Yes
15.111(a)	Receiver Antenna Power Conducted Emissions for Non-Integral Antenna Port	Yes
15.109(a)	Radiated Emissions from Scanning Receivers & Class B Digital Device	Yes
15.121	Requirements for Scanning Receivers	Yes

4.3. MODIFICATIONS REQUIRED FOR COMPLIANCE

None.

EXHIBIT 5. TEST DATA

5.1. POWER LINE CONDUCTED EMISSIONS [§ 15.107(a)]

5.1.1. Limits

The equipment shall meet the limits of the following table:

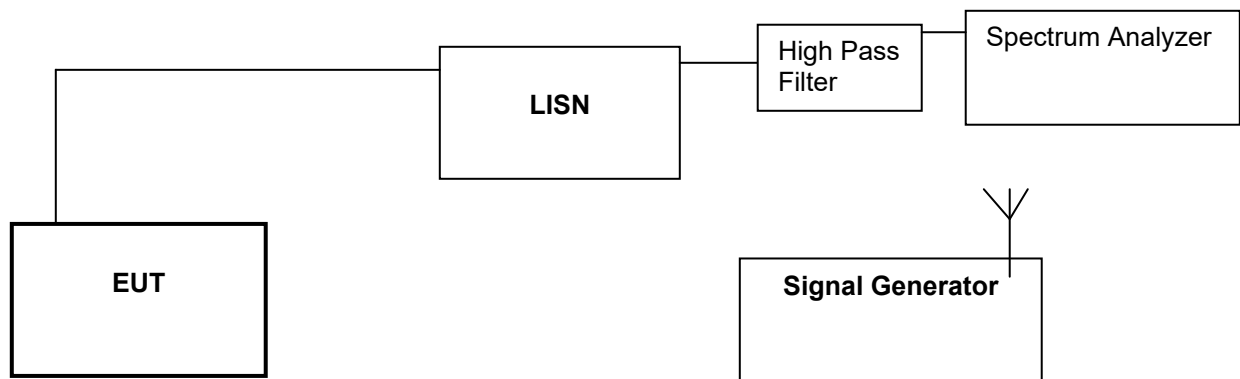
Frequency of Emissions (MHz)	Class B Conducted Limit (dBμV)	
	Quasi-Peak	Average
0.15 to 0.5	66 to 56*	56 to 46*
0.5 to 5	56	46
5 to 30	60	50

* Decreasing linearly with logarithm of frequency

5.1.2. Method of Measurements

Refer to Ultratech Test Procedures ULTR-P001-200 & ANSI C63.4 for method of measurements.

5.1.3. Test Arrangement



5.1.4. Test Equipment List

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range	Calibration Due Date
Spectrum Analyzer	Agilent	E7401A	US40240432	9 kHz–1.5GHz	19-Nov-2025
High Pass filter	Rohde & Schwarz	EZ-25	830164/006	Cut off 150kHz	30-Sep-2025
LISN	NSLK 8127	NSLK 8127	8127276	9 kHz–30 MHz	13-Dec-2025
Signal Generator	Hewlett Packard	8648C	3537A02098	100kHz-3.2GHz	10-Oct-2027
Power supply	Pyramid	72-6153	--		--

Test Dates: 29-Sep-2025

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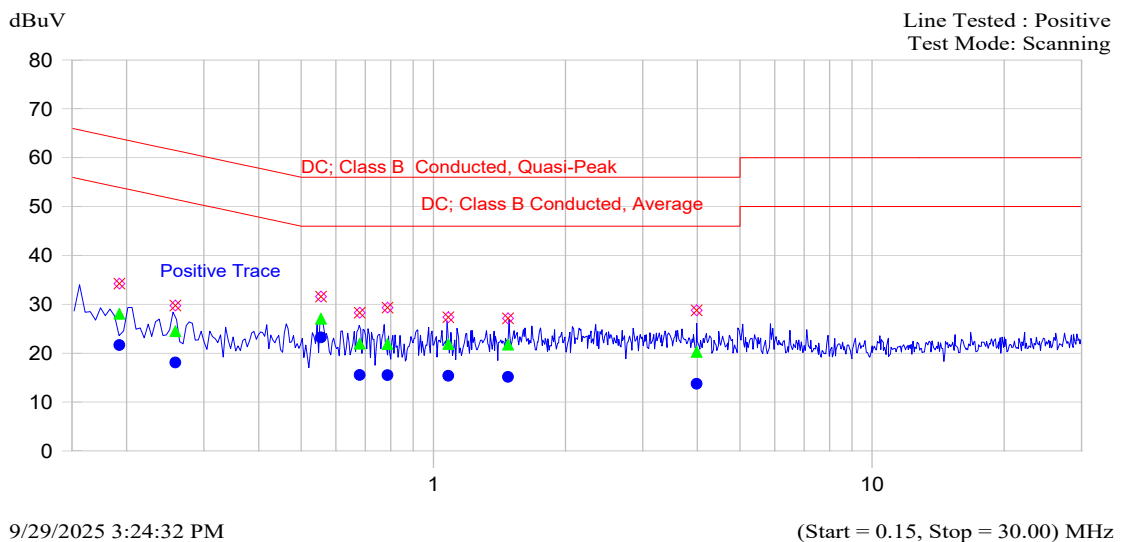
October 2, 2025

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5.1.5. Test Data

Plot 5.1.5.1. Power Line Conducted Emissions; Line Voltage: 13.8 VDC; Line Tested: Positive

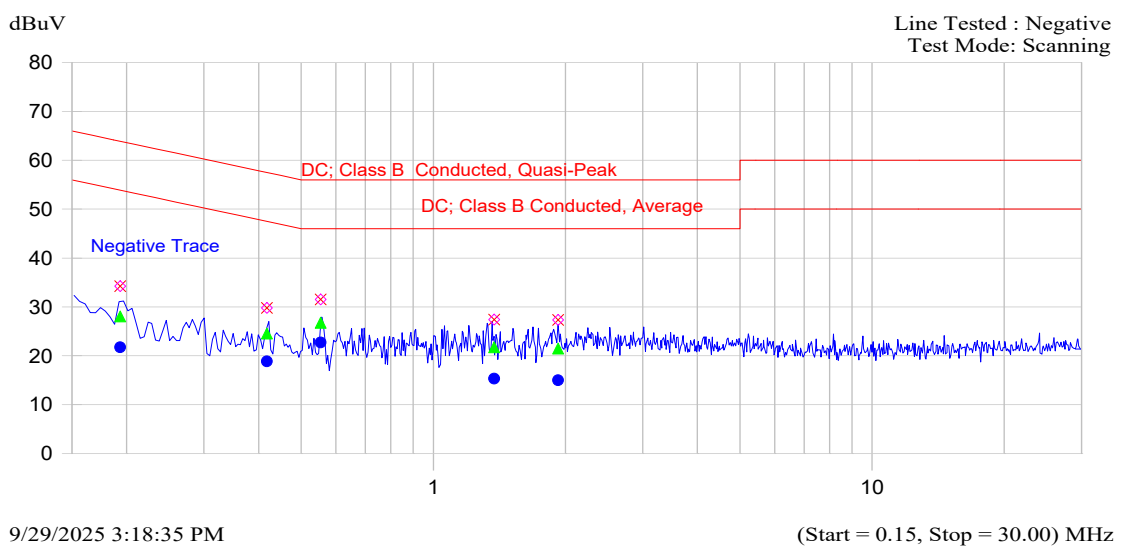
Description: Line Voltage: 13.8 Vdc
Setup Name: DC; Conducted
Customer Name: ICOM
Project Number: ICOM-633Q
Operator Name: Angus
EUT Name: HF/50 MHz Transceiver; IC-7300MK2



Frequency MHz	Peak dBuV	QP dBuV	Qp-Qp Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.192	34.2	28.1	-35.9	21.6	-32.3	Positive Trace
0.258	29.8	24.5	-37.0	18.1	-33.4	Positive Trace
0.554	31.6	27.1	-28.9	23.2	-22.8	Positive Trace
0.680	28.3	22.0	-34.0	15.5	-30.5	Positive Trace
0.787	29.3	21.9	-34.1	15.5	-30.5	Positive Trace
1.083	27.3	21.9	-34.1	15.4	-30.6	Positive Trace
1.480	27.1	21.8	-34.2	15.2	-30.8	Positive Trace
3.983	28.8	20.3	-35.7	13.7	-32.3	Positive Trace

Plot 5.1.5.2. Power Line Conducted Emissions; Line Voltage: 13.8 VDC; Line Tested: Negative

Description: Line Voltage: 13.8 Vdc
Setup Name: DC; Conducted
Customer Name: ICOM
Project Number: ICOM-633Q
Operator Name: Angus
EUT Name: HF/50 MHz Transceiver; IC-7300MK2



Frequency MHz	Peak dBuV	QP dBuV	Qp-Qp Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.193	34.2	28.1	-35.8	21.7	-32.2	Negative Trace
0.418	29.8	24.6	-32.9	18.9	-28.6	Negative Trace
0.554	31.5	26.8	-29.2	22.7	-23.3	Negative Trace
1.377	27.4	21.7	-34.3	15.3	-30.7	Negative Trace
1.924	27.3	21.5	-34.5	15.0	-31.0	Negative Trace

5.2. RECEIVER ANTENNA POWER SPURIOUS/HARMONIC CONDUCTED EMISSIONS [§15.111(a)]

5.2.1. Limits

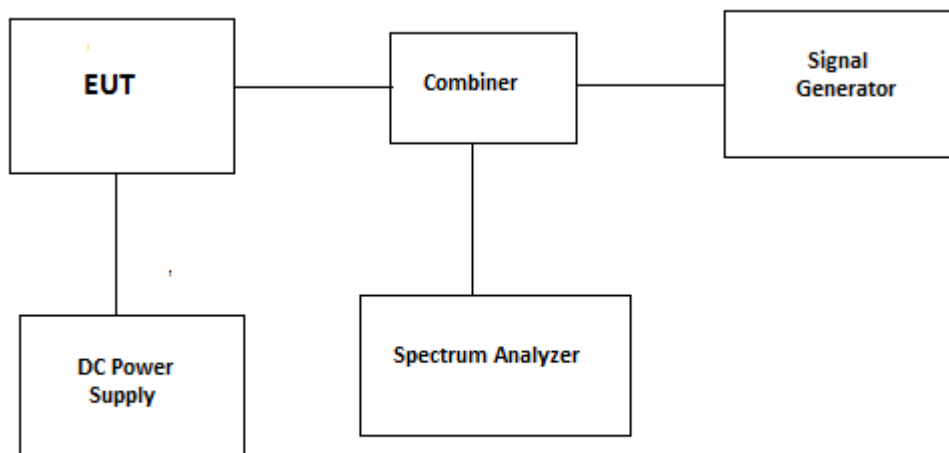
Receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provides terminals for the connection of an external antenna may be tested to demonstrate compliance with the provisions of @ 15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna, provided these receivers also comply with the following:- With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at frequency within the range from 30 MHz to 5th harmonic of the highest frequency shall not exceed 2.0 nanowatts (or -57 dBm @ 50 Ohm).

5.2.2. Method of Measurements

Refer to Ultratech Test Procedures ULTR-P001-200 & ANSI C63.4 for method of measurements.

The spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which the emission limit is specified, up to 5th harmonic of the highest frequency

5.2.3. Test Arrangement



5.2.4. Test Equipment List

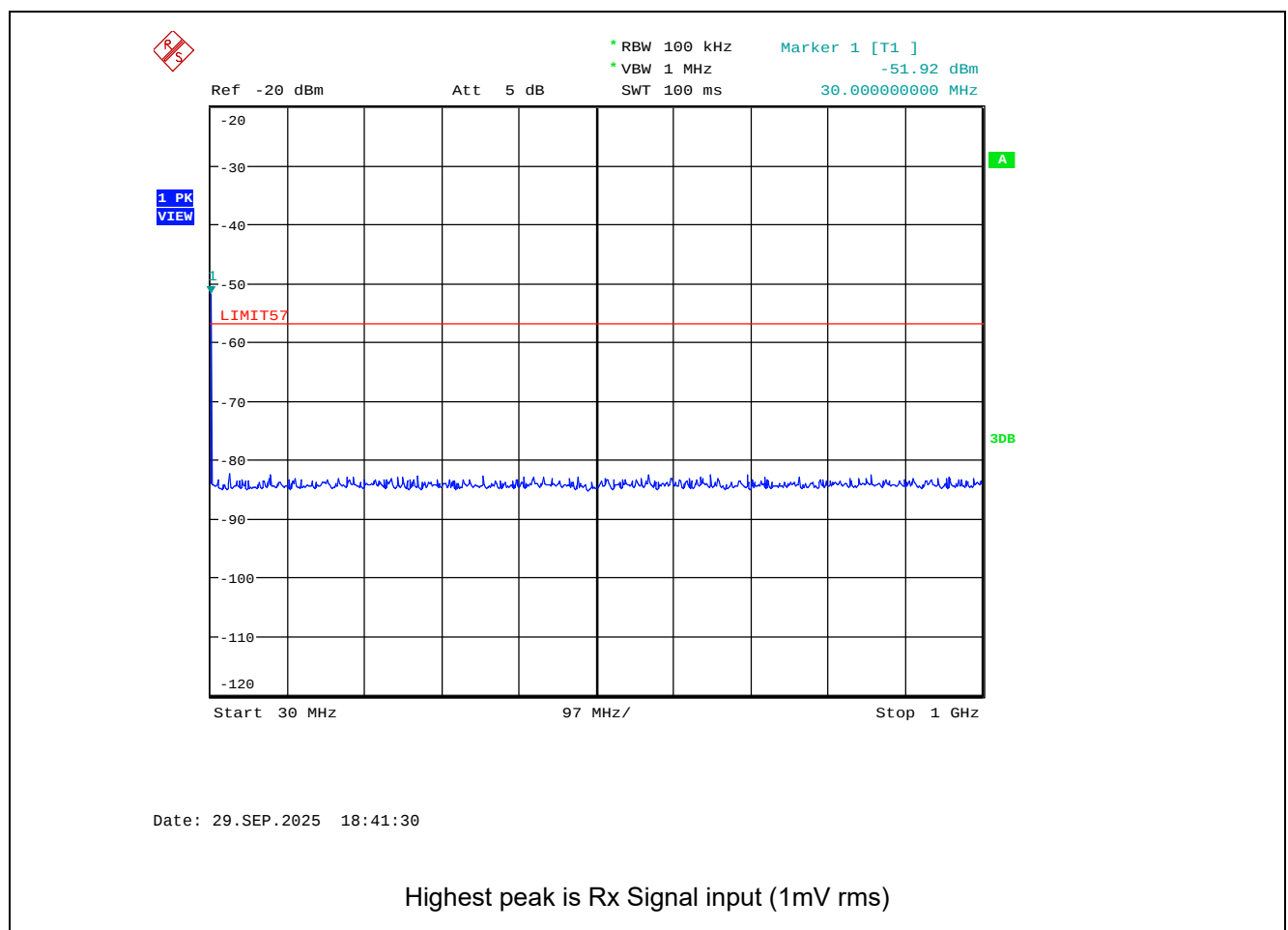
Test Instrument	Manufacturer	Model No	Serial No	Frequency Range	Cal Due date
Spectrum Analyzer	Rohde & Schwarz	FSU	100398	20Hz-26.5GHz	26-Sep-2027
Signal Generator	Hewlett Packard	8648C	3537A02098	100kHz-3.2GHz	10-Oct-2027
Combiner	Weinschel 93458	1515	PS119	DC-18GHz	Cal before use
Power supply	Pyramid	72-6153	--		--
Multimeter	Fluke	8842A	5021295	---	25-Jul-2027

Test Dates: 29-Sep-2025

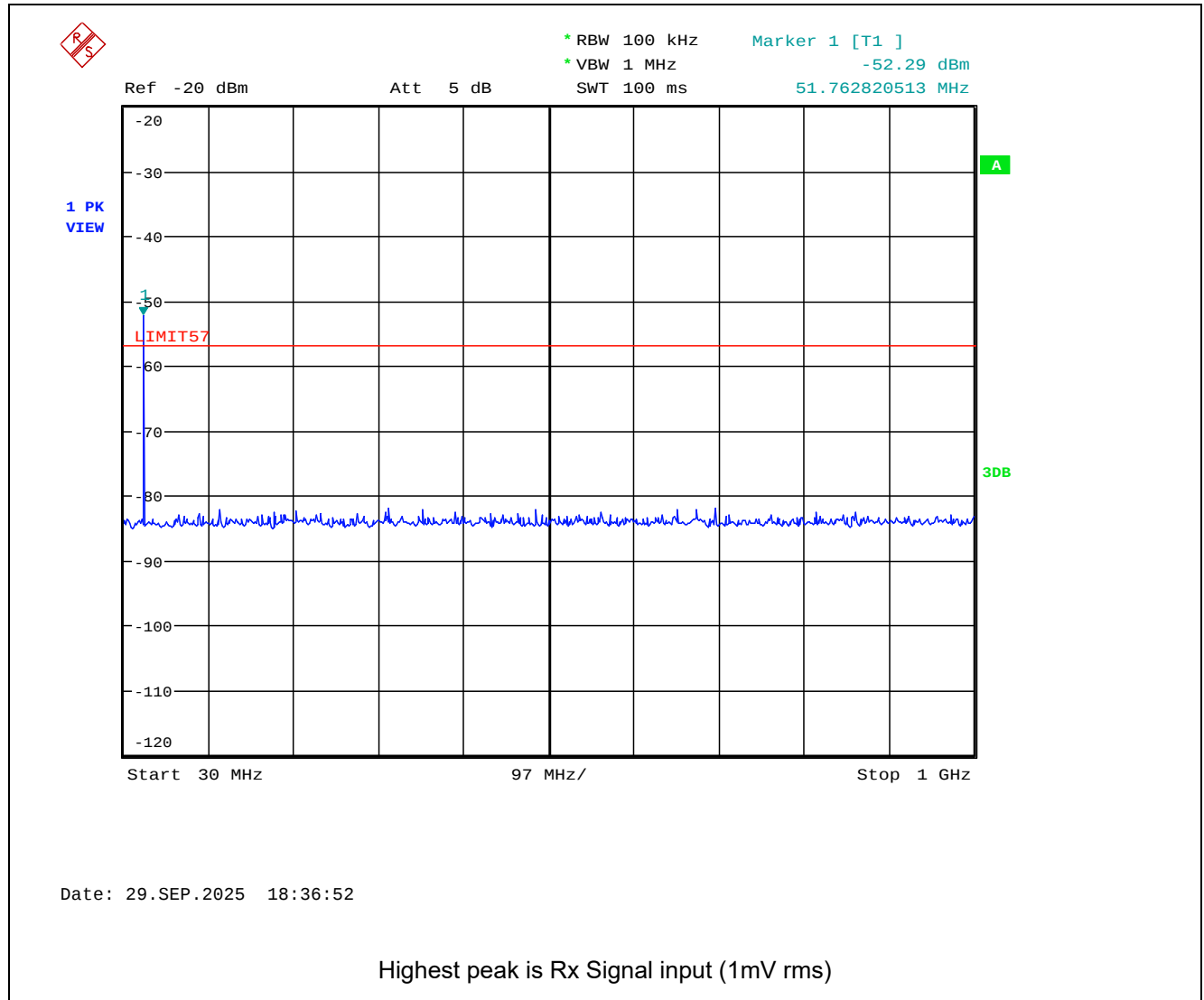
5.2.5. Test Data

The emissions were scanned from 30 MHz to 1 GHz at the Receiver antenna port.

Plot 5.2.5.1. Receiver Antenna Power Conducted Emissions, 30 MHz



Plot 5.2.5.2. Receiver Antenna Power Conducted Emissions, 52.4 MHz



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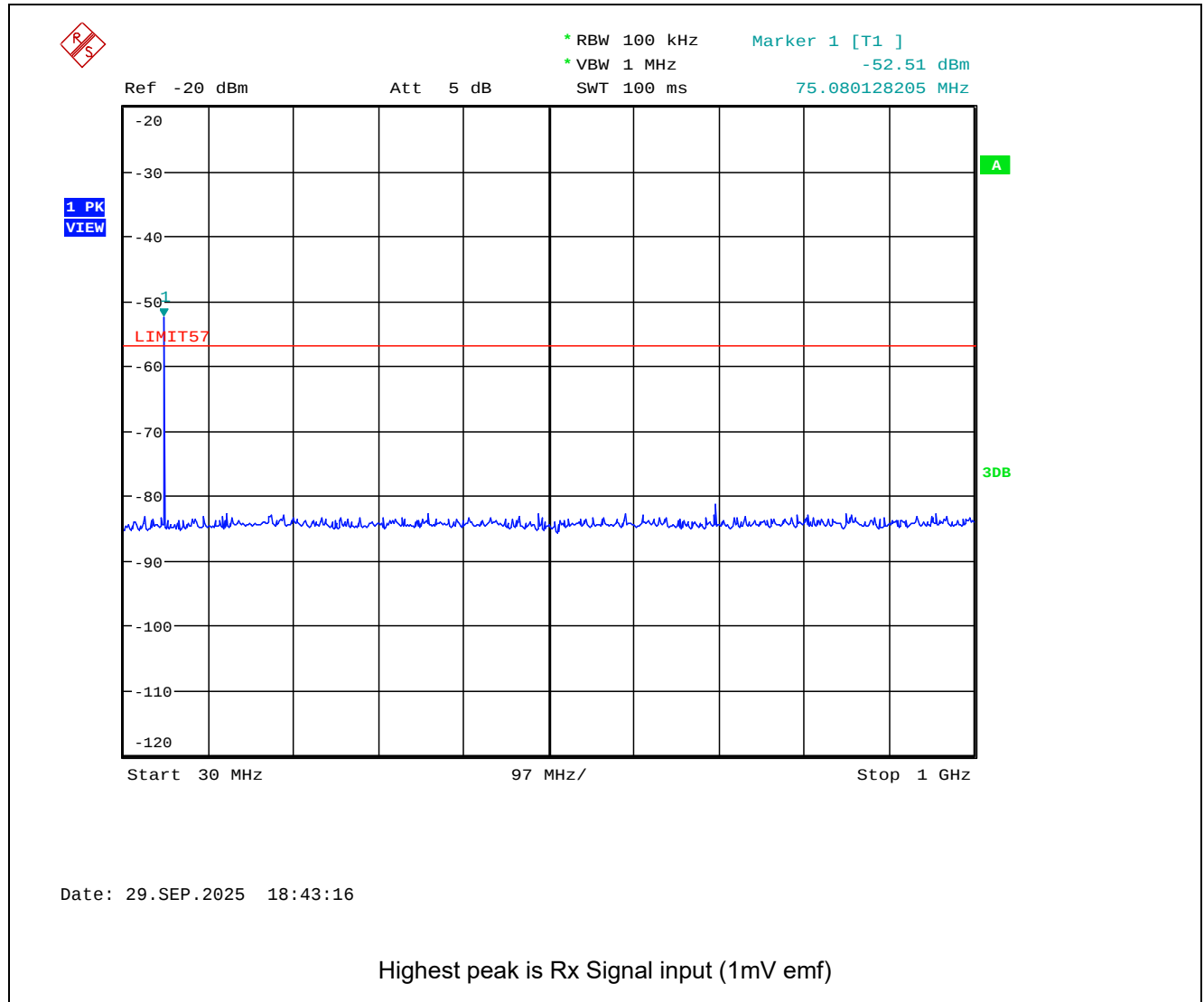
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Plot 5.2.5.3. Receiver Antenna Power Conducted Emissions, 74.8 MHz



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File #: 25ICOM633_FCC15B121

October 2, 2025

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5.3. SPURIOUS/HARMONIC RADIATED EMISSIONS FROM RECEIVER AND CLASS B UNINTENTIONAL RADIATORS (DIGITAL DEVICES) [§ 15.109(a)]

5.3.1. Limits

The equipment shall meet the limits of the following table:

Test Frequency Range (MHz)	Class B Limits @ 3 m (dB μ V/m)
30 – 88	40.0
88 – 216	43.5
216 – 960	46.0
Above 960	54.0

For CB receivers, the field strength of radiated emissions within the frequency range of 25-30 MHz shall not exceed 40 microvolts/meter at a distance of 3 meters.

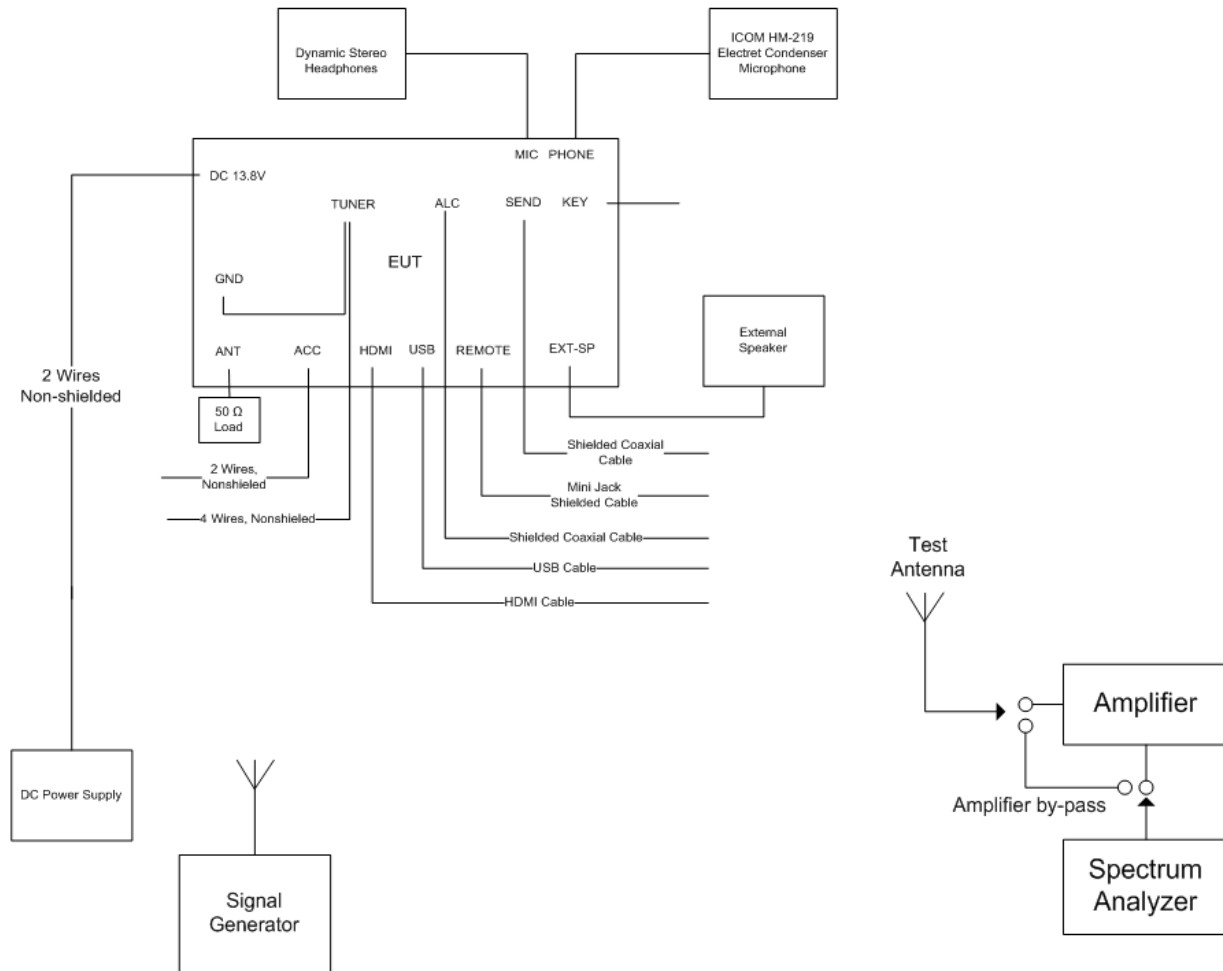
5.3.2. Method of Measurements

Refer to Ultratech Test Procedures ULTR-P001-200 & ANSI C63.4 for method of measurements.

The spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
108 – 500	2000
500 -1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

5.3.3. Test Arrangement



5.3.4. Test Equipment List

Test Instruments	Manufacturer	Model No.	Serial No.	Freq. Range	Cal Due Date
EMI Receiver	Rohde & Schwarz	ESU40	100037	20 Hz to 40 GHz	15-Sep-26
Biconilog Antenna	EMCO	3142C	34792	26 – 3000 MHz	16-Dec-25
Pre-Amplifier	Com-Power	PAM-118A	550152	500 MHz to 18 GHz	07-Oct-25
Horn Antenna	EMCO	3115	9911-5955	1GHz – 18 GHz	18-Feb-27
Signal Generator	Hewlett Packard	8648C	3537A02098	100kHz-3.2GHz	10-Oct-2027
Loop Antenna*	EMCO	6502	9104-2611	150KHz-30MHz	13-Jun-26

September 24 & *October 2, 2025

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5.3.5. Test Data

Remarks:

- The measuring receiver shall be tuned over the frequency range 30 MHz to 1 GHz @ 3m.
- All spurious emissions that are in excess of 20 dB below the specified limit shall be recorded.

5.3.5.1. Lowest Frequency (30.0 MHz)

Frequency (MHz)	RF Level (dB μ V/m)	Detector Used (Peak/QP/Avg)	Antenna Plane (H/V)	Limit (dB μ V/m)	Margin (dB)	Pass/Fail
30 - 1000	*	Peak	V/H	*	*	Pass
*All receiver spurious emissions are more than 20 dB below the limit.						

5.3.5.2. Near Middle Frequency (52.4 MHz)

Frequency (MHz)	RF Level (dB μ V/m)	Detector Used (Peak/QP/Avg)	Antenna Plane (H/V)	Limit (dB μ V/m)	Margin (dB)	Pass/Fail
30 - 1000	*	Peak	V/H	*	*	Pass
*All receiver spurious emissions are more than 20 dB below the limit.						

5.3.5.3. Highest Frequency (74.8 MHz)

Frequency (MHz)	RF Level (dB μ V/m)	Detector Used (Peak/QP/Avg)	Antenna Plane (H/V)	Limit (dB μ V/m)	Margin (dB)	Pass/Fail
30 - 1000	*	Peak	V/H	*	*	Pass
*All receiver spurious emissions are more than 20 dB below the limit.						

Note: Tests were also performed 25-30MHz and all signals were significantly less than the limit of this band at 3m.

5.3.5.4. Radiated Emissions from Class B Digital Devices

Remark: The emissions were scanned from 30 MHz to 2 GHz at 3 m distance, EUT in scanning mode.
Emissions above 20dB below the limit are reported.

Frequency (MHz)	Measured Field Strength @ 3 m (dB μ V/m)	Detector Used (Peak/QP)	Antenna Plane (H/V)	Limit @ 3m (dB μ V/m)	Margin (dB)
62.64	20.31	Peak	H	40	-19.69
448.15	26.56	Peak	H	46	-19.44
745.06	30.28	Peak	V	46	-15.72
745.06	34	Peak	H	46	-12.00
869.42	31.16	Peak	V	46	-14.84
869.42	33.63	Peak	V	46	-12.37
1022	35.11	Peak	V	54	-18.89
1088	36.6	Peak	V	54	-17.4
1088	35.7	Peak	H	54	-18.3
1344	35.55	Peak	V	54	-18.45
1344	36.6	Peak	H	54	-17.4
1471	37.05	Peak	V	54	-16.95
1600	36.55	Peak	V	54	-17.45
1600	37.17	Peak	H	54	-16.83
1871	43.11	Peak	H	54	-10.89
1889	42.14	Peak	H	54	-11.86

5.4. REQUIREMENTS FOR SCANNING RECEIVERS [§ 15.121]

5.4.1. FCC Rules

- a. Except as provided in paragraph (c) of this section, scanning receivers and frequency converters designed or marketed for use with scanning receivers, shall:
 - (1) Be incapable of operating (tuning), or readily being altered by the user to operate, within the frequency bands allocated to the Cellular Radiotelephone Service in part 22 of this chapter (cellular telephone bands). Scanning receivers capable of "readily being altered by the user" include, but are not limited to, those for which the ability to receive transmissions in the cellular telephone bands can be added by clipping the leads of, or installing, a simple component such as a diode, resistor or jumper wire; replacing a plug-in semiconductor chip; or programming a semiconductor chip using special access codes or an external device, such as a personal computer. Scanning receivers, and frequency converters designed for use with scanning receivers, also shall be incapable of converting digital cellular communication transmissions to analog voice audio.
 - (2) Be designed so that the tuning, control and filtering circuitry is inaccessible. The design must be such that any attempts to modify the equipment to receive transmissions from the Cellular Radiotelephone Service likely will render the receiver inoperable.
- b. Except as provided in paragraph (c) of this section, scanning receivers shall reject any signals from the Cellular Radiotelephone Service frequency bands that are 38 dB or lower based upon a 12 dB SINAD measurement, which is considered the threshold where a signal can be clearly discerned from any interference that may be present.
- c. Scanning receivers and frequency converters designed or marketed for use with scanning receivers, are not subject to the requirements of paragraphs (a) and (b) of this section provided that they are manufactured exclusively for, and marketed exclusively to, entities described in 18 U.S.C. 2512(2), or are marketed exclusively as test equipment pursuant to Sec. 15.3(dd)
- d. Modification of a scanning receiver to receive transmissions from Cellular Radiotelephone Service frequency bands will be considered to constitute manufacture of such equipment. This includes any individual, individuals, entity or organization that modifies one or more scanners. Any modification to a scanning receiver to receive transmissions from the Cellular Radiotelephone Service frequency bands voids the certification of the scanning receiver, regardless of the date of manufacture of the original unit. In addition, the provisions of Sec. 15.23 shall not be interpreted as permitting modification of a scanning receiver to receiver cellular radiotelephone service transmissions.
- e. Scanning receivers and frequency converters designed for use with scanning receivers shall not be assembled from kits or marketed in kit form unless they comply with the requirements in paragraph (a) through (c) of this section.

f. Scanning receivers shall have a label permanently affixed to the product, and this label shall be readily visible to the purchaser at the time of purchase. The label shall read as follows: WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

- (1) ``Permanently affixed" means that the label is etched, engraved, stamped, silkscreened, indelible printed or otherwise permanently marked on a permanently attached part of the equipment or on a nameplate of metal, plastic or other material fastened to the equipment by welding, riveting, or permanent adhesive. The label shall be designed to last the expected lifetime of the equipment in the environment in which the equipment may be operated and must not be readily detachable. The label shall not be a stick-on, paper label.
- (2) When the device is so small that it is not practicable to place the warning label on it, the information required by this paragraph shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user and shall also be placed on the container in which the device is marketed. However, the FCC identifier must be displayed on the device.

5.4.2. Declaration for Compliance with FCC §15.121

- Comply with FCC 121(a)(1) – This Scanning Receiver is incapable of operating (tuning), or readily being altered by the user to operate, within the frequency bands allocated to the Cellular Radiotelephone Service in Part 22 of this chapter (cellular telephone bands).

Please refer to ICOM attestation letter conforming compliance with this requirement.

- Comply with FCC 121(a)(2) – This Scanning Receiver is designed so that the tuning, control and filtering circuitry is inaccessible. The design is such that any attempts to modify the equipment to receive transmissions from the Cellular Radiotelephone Service likely will render the receiver inoperable.

Please refer to ICOM attestation letter conforming compliance with this requirement.

- Comply with FCC 121(b) – Please refer to the Section 5.5 of this Test Report for Scanning Receivers Cellular Band Rejection test.
- Comply with FCC 121(c) – Not applicable.
- Comply with FCC 121(d) – The Users Manual of this Scanning Receiver is provided with the Warning statement as below.

CAUTION: Changes or modifications to this device, not expressly approved by ICOM Inc., could void your authority to operate this device under FCC regulations.

- Comply with FCC 121(e) – This Scanning Receiver is not assembled from kits or marketed in kit form.
- Comply with FCC 121(f) – Scanning receivers shall have a label permanently affixed to the product, and this label shall be readily visible to the purchaser at the time of purchase. The label reads as follows: **WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.**

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October 2, 2025

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

5.5. SCANNING RECEIVERS CELLULAR BAND REJECTION [§ 15.121(b)]

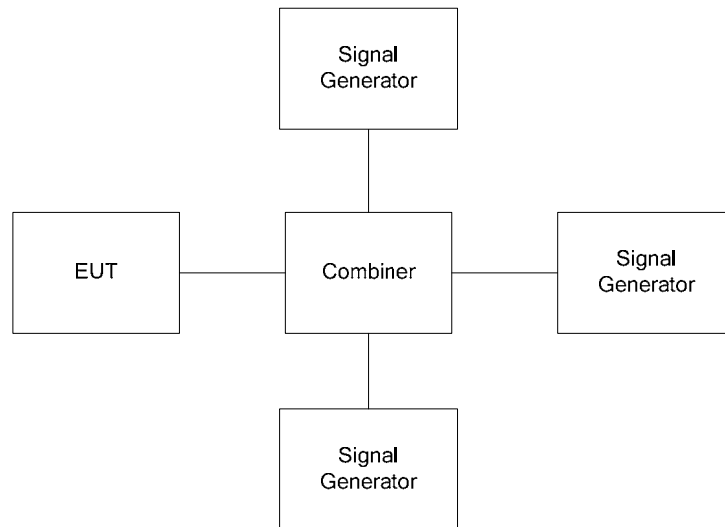
5.5.1. Limits

Except as provided in paragraph (c) of this section, scanning receivers shall reject any signals from the Cellular Radiotelephone Service frequency bands that are 38dB or lower based upon a 12dB SINAD measurement, which is considered the threshold where a signal can be clearly discerned from any interference that may be present.

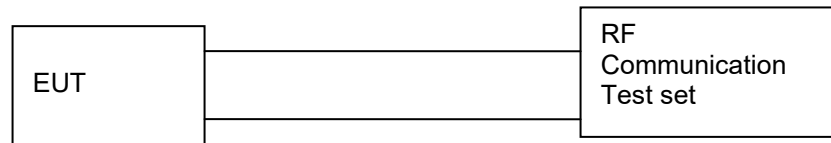
5.5.2. Method of Measurements

- (1) Connected the EUT as shown in the following block diagram
- (2) Apply a standard RF signal to the receiver input port
- (3) Adjust the audio output signal of the receiver to it's rated value with the distortion less than 10%
- (4) Adjust the RF Signal Generator Output Power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB
- (5) Repeat step (4) at lowest, middle and highest channel frequencies across all cellular base station band to establish a reference sensitivity level. The reference sensitivity taken was the lowest or worse-case sensitivity for all of the bands.
- (6) Adjust the RF Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step (5)
- (7) Set the Receiver squelch threshold (the signal required to open the squelch) no greater than +20 dB above the reference sensitivity level.
- (8) Put the receiver in a scanning mode and allow it to scan across it's complete receive range
- (9) If the receiver unsquelched or stopped on any frequency, the display frequency is recorded. The signal generator output level was then adjusted until 12 dB SINAD from the receiver was produced. The signal generator level associated with this response was also noted.
- (10) Repeat this procedure for 3 frequencies in the cellular base station transmit band.
- (11) The difference between the signal generator output for any response recorded and reference sensitivity is the rejection ratio

5.5.3. Test Arrangement



Receiver Sensitivity Test



5.5.4. Test Equipment List

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range	Calibration Due Date
RF Communication Test Set	HP	8920B	US39064699	-	22-Apr-2026
Signal Generator	HP	8648C	3537A02098	100kHz-3.2GHz	10-Oct-2027
Signal Generator	Rohde & Schwarz	SMJ100A	100791	100kHz – 6GHz	26-Sep-2026
Signal Generator	IFR	2025	202304/137	9kHz – 2.5GHz	8-Jul-2026
Combiner	Mini Circuits	ZFSC-3-4-N+	N F065201507	1-1000MHz	Cal. On use
50Ω Load	Mini Circuits	KARN-50+	00834	-	Cal. On use

Test Dates: 26-Sep-2025

5.5.5. Test Data

Remark: Cellular Transmitter Test frequencies are 824.04, 836.4, 848.97, 869.04, 880.62 and 893.97 MHz.

EUT's Scanning Frequency Band (MHz)	Cellular Base Station Transmitter Band (MHz)	RF Signal Level for 12 dB SINAD (dBm)	Rejection Ratio (dB)	Maximum Rejection Ratio Limit (dB)
0.03 – 74.8 MHz	824.04, 836.4, 848.97 869.04, 880.62 & 893.97	-87.9 to -120	<-40.0	-38.0
There is no spurious response detected within the above frequency bands with the Rejection Ratio of at least -40 dB.				

EXHIBIT 6. MEASUREMENT UNCERTAINTY

Test description		Uncertainty
Conducted Out of Band/Spurious Emissions		+/- 0.72 dB
Radiated Out of Band/Spurious Emissions	<30 MHz	+/-2.69dB
	30-1000 MHz	+/-4.20dB
	>1 GHz	+/-2.70dB
Power Line Conducted Emission		+ 2.62dB

END OF REPORT

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All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)