



FCC Part 96.47 Test Report

Applicant : Xiaomi Communications Co., Ltd.
Equipment : Mobile Phone
Brand Name : Xiaomi
Model Name : 2602EPTC0G
FCC ID : 2AFZZPTC0G
Standard : FCC Part 96.47
TEST DATE(S) : Jan. 12, 2026

We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China



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History of this test report

Report No.	Version	Description	Issued Date
FG5D2207N	01	Initial issue of report	Feb. 06, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3	96.47	End User Device additional requirement	Pass	-

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	2602EPTC0G
FCC ID	2AFZZPTC0G
IMEI Code	862177080070629/862177080070637
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency	5G NR n48: 3550 MHz ~ 3700 MHz
Antenna Type	Fixed Internal Antenna
Antenna Gain	<Ant. 6>: -2.5 dBi <Ant. 7>: -1.6 dBi <Ant. 8>: -2.0 dBi <Ant. 9>: -2.5 dBi
Type of Modulation	DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM) CP-OFDM (QPSK / 16QAM / 64QAM / 256QAM)



1.5 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	DFS01-KS	CN1257	314309
Test Engineer	Carry Xu		
Temperature	20 ~ 24.5 °C		
Relative Humidity	40 ~ 60 %		

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	DFS01-KS	Sporton	DFS & Adaptivity Test Tools	1.0

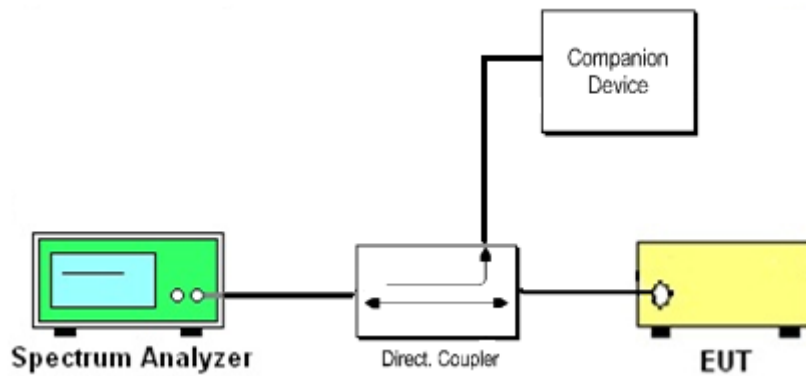
1.7 Applicable Standards

- ♦ FCC Part 96.47
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03r01
- ♦ WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Connection Diagram of Test System



The companion device is certified CBRS (FCC ID: WBK-RU4370)

3 End User Device additional requirement

3.1 Test Requirement

FCC Part 96.47

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

3.2 Test Procedure

Following procedure can be done by applying WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification, use the certified Ruckus CBSD (FCC ID: WBK-RU4370) as companion device to show compliance with Part 96.47 requirement for End User Device (EUD):

1. Setup with frequency 3560-3600MHz and power level 28dBm/MHz
2. Enable AP service from Ruckus Cloud management
3. Check EUD Tx Frequency and power
4. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.

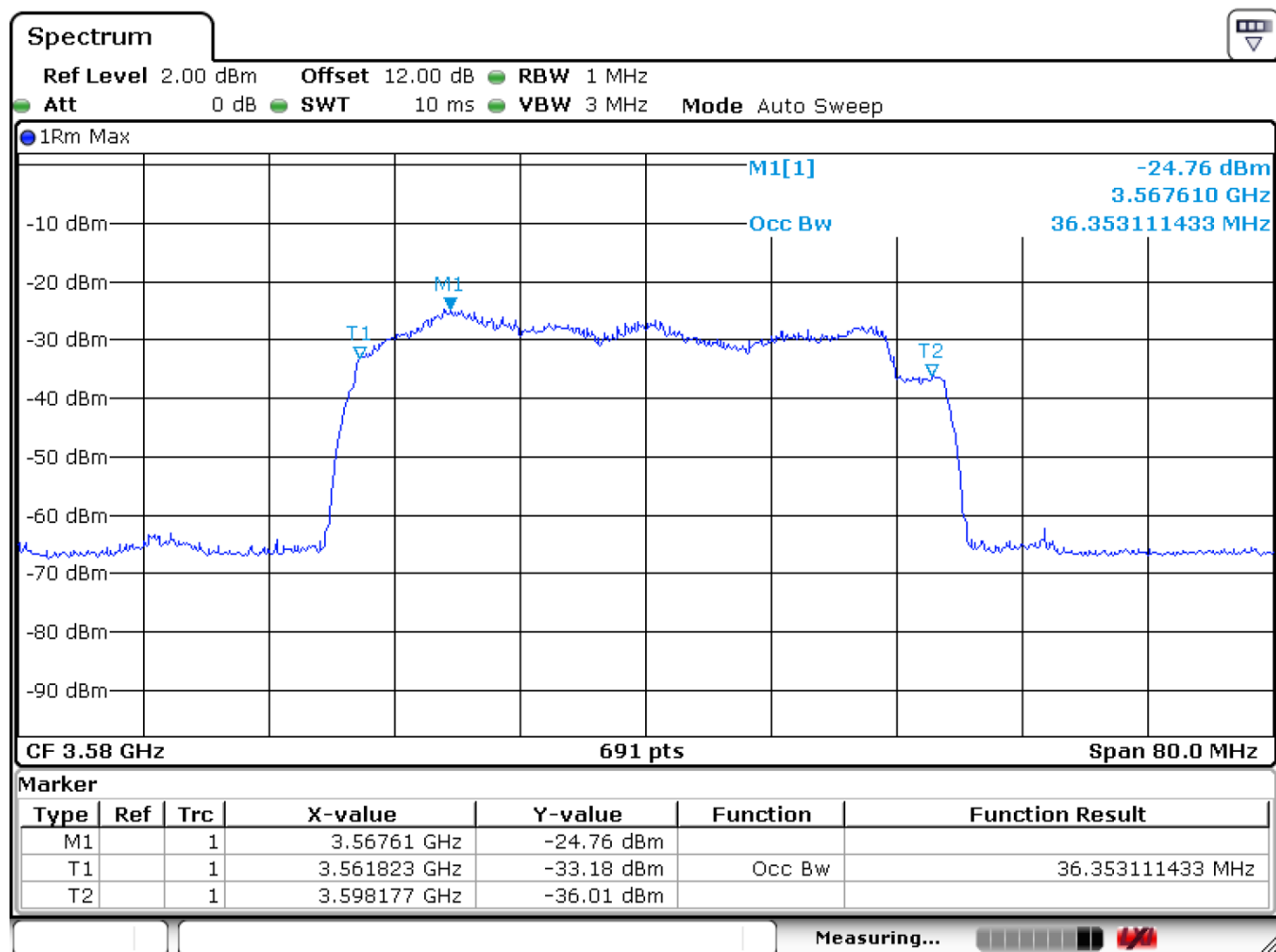
5. Setup with 3650-3690MHz & power level 18dBm/MHz
6. Enable AP service from Ruckus Cloud management
7. Check EUD Tx Frequency and power
8. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.



3.3 Test Result

[Step 1] Setup with frequency 3260-3600MHz and power level 28dBm/MHz

[Step 3] Check EUD Tx Frequency and power



Date: 12.JAN.2026 16:13:20



[Step 4.a.] EUD stops transmission within 10 seconds of receiving instructions from its associated CBSD.

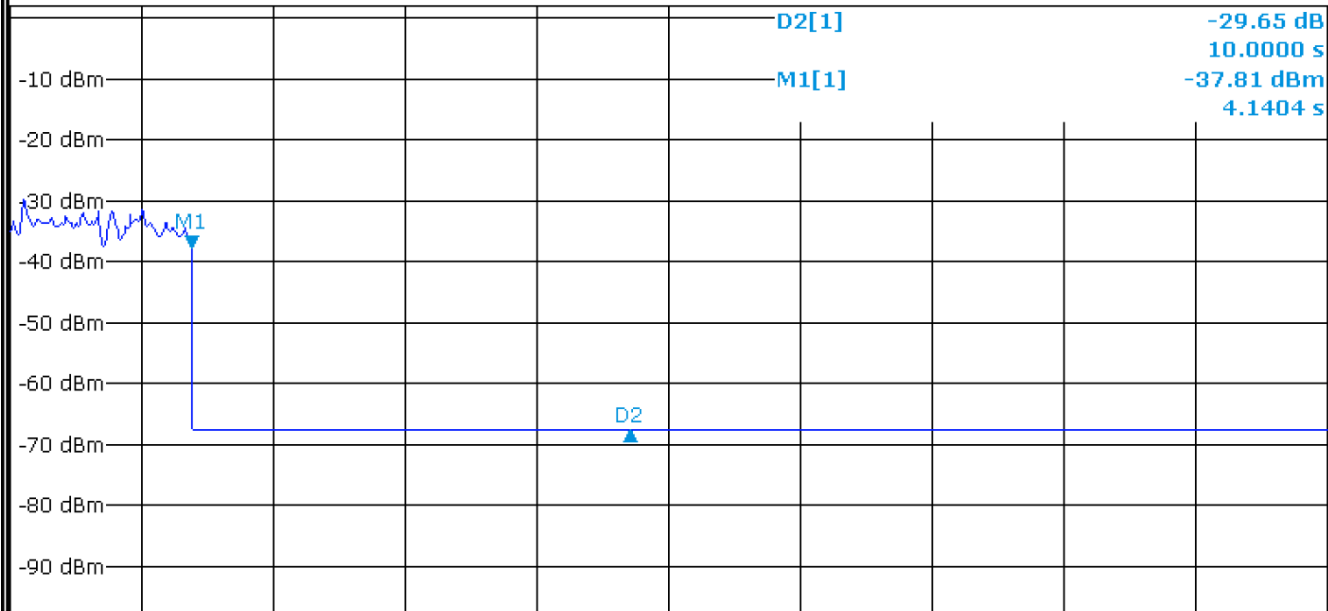
Spectrum

Ref Level 2.00 dBm Offset 12.00 dB RBW 10 MHz

Att 0 dB SWT 30 s VBW 10 MHz

SGL

1Rm Clrw



CF 3.56761 GHz

691 pts

3.0 s/

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	4.1404 s	-37.81 dBm		
D2	M1	1	10.0 s	-29.65 dB		

Ready

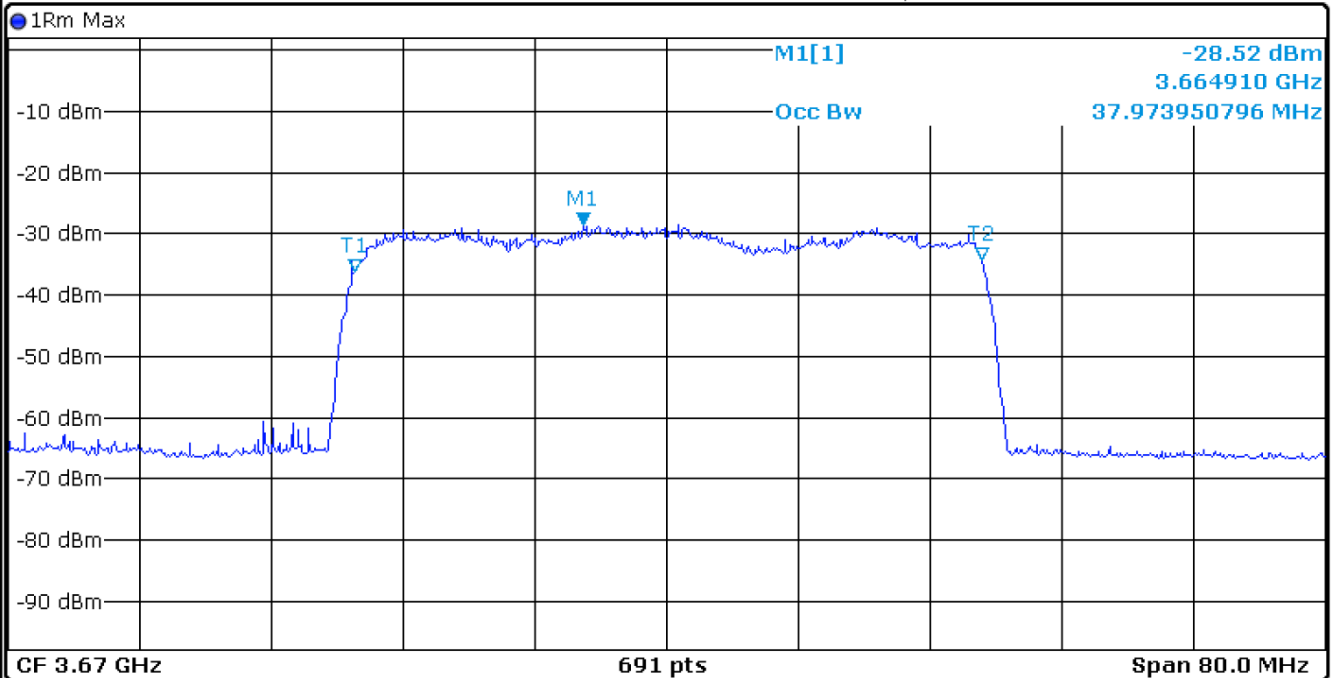
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[Step 5] Setup with 3650-3690MHz & power level 18dBm/MHz

[Step 7] Check EUD Tx Frequency and power

Spectrum

Ref Level 2.00 dBm Offset 12.00 dB RBW 1 MHz
Att 0 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.66491 GHz	-28.52 dBm		
T1		1	3.651129 GHz	-36.17 dBm	Occ Bw	37.973950796 MHz
T2		1	3.689103 GHz	-34.27 dBm		

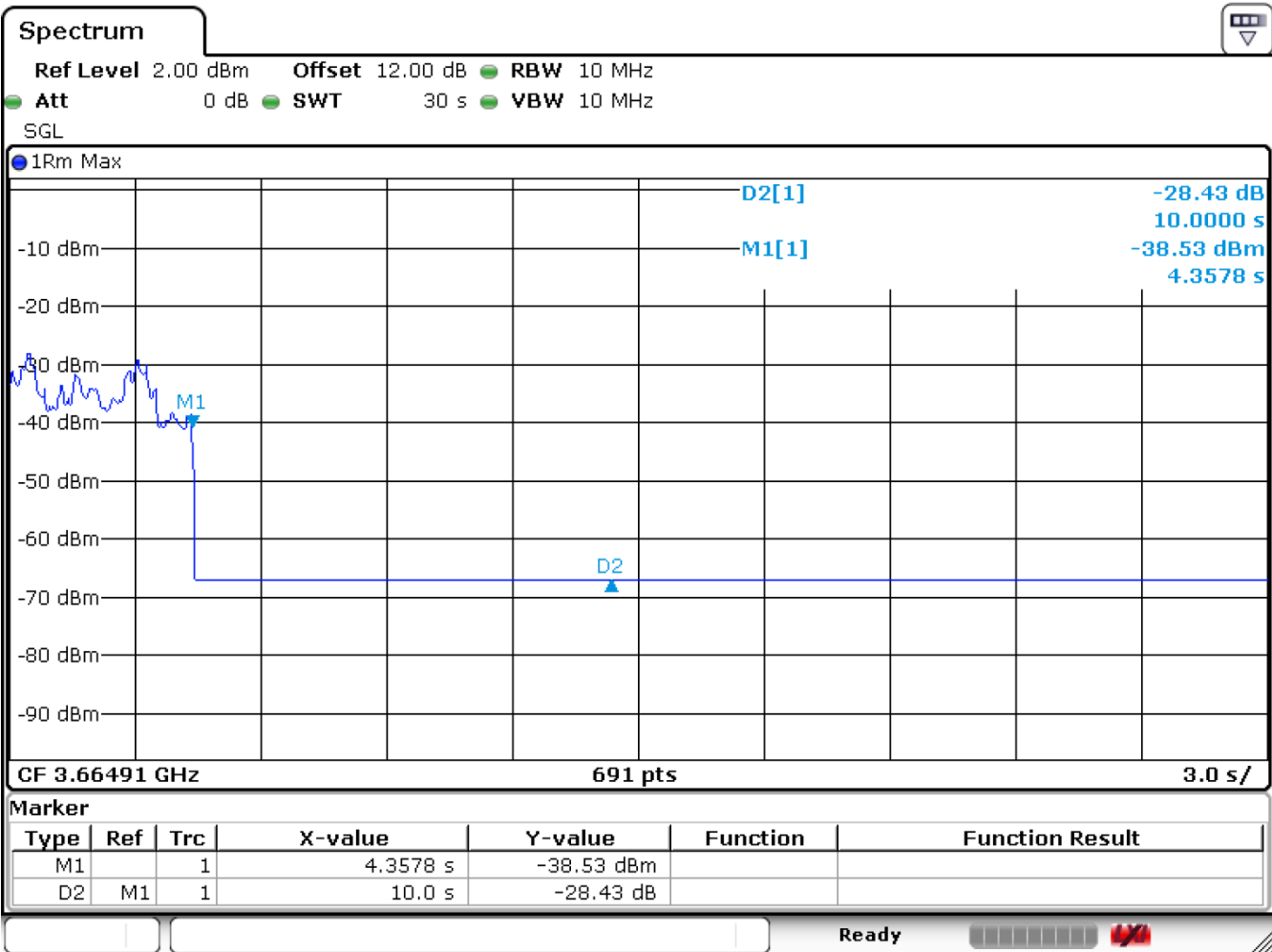
Measuring...

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[Step 8.a.] After changing the frequency and power level,

The module (EUT) discontinues operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD. Test result is PASS.



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4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Analyzer	R&S	FSV7	101472	10Hz~7GHz	Jan. 04, 2026	Jan. 12, 2026	Jan. 03 2027	Conducted (DFS01-KS)
Combiner	MTJ Cooperation	MTJ7114-M	N/A	0.5GHz~18GHz	NCR	Jan. 12, 2026	NCR	Conducted (DFS01-KS)



5 Measurement Uncertainty

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Generated signal Levels	± 0.56 dB
Conducted Time	0.38%

----- THE END -----