

TEST REPORT

Report Number : R16314687-E10a

Applicant : Samsung Electronics Co Ltd
129, Samsung-ro, Yeongtong-gu, Suwon-si
Gyeonggi-do, 16677, Rep. of Korea

Model : SM-S741U, SM-S741U1

FCC ID : A3LSMS741U

EUT Description : GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE,
DTS/UNII a/b/g/n/ac/ax, WPT and NFC

Test Standard(s) : FCC PART 96.47

Date Of Issue:
2026-07-06

Prepared by:
UL LLC
12 Laboratory Dr.
Durham, NC 27713 USA
TEL: (919) 549-1400



Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2026-07-06	Initial Issue	M. Antola

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	5
3. FACILITIES AND ACCREDITATION	5
4. DECISION RULES AND MEASUREMENT UNCERTAINTY	5
4.1. METROLOGICAL TRACEABILITY	5
4.2. DECISION RULES.....	5
4.3. MEASUREMENT UNCERTAINTY.....	5
4.4. MEASURING INSTRUMENT CALIBRATION	5
5. EQUIPMENT UNDER TEST	6
5.1. DESCRIPTION OF EUT	6
5.2. DESCRIPTION OF TEST SETUP.....	6
6. TEST AND MEASUREMENT EQUIPMENT	8
7. END USER DEVICE ADDITIONAL REQUIREMENT	9
7.1. TEST REQUIREMENT	9
8. TEST PROCEDURE AND EUT CONFIGURATION.....	9
8.1. END USER DEVICE CONFIGURATION 1.....	10
8.2. END USER DEVICE CONFIGURATION 2.....	12
9. SETUP PHOTOS.....	14

1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	Samsung Electronics Co Ltd 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Model	SM-S741U, SM-S741U1
Brand	Samsung Electronics Co Ltd
FCC ID	A3LSMS741U
EUT Description	GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, WPT and NFC
Serial Number	ZDR0394M
Sample Receipt Date	2026-05-06
Date Tested	2026-06-08
Applicable Standards	FCC Title 47 CFR PART 96.47
Test Results	COMPLIES
UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.	
Approved & Released By: 	Tested By: 
Bob DeLisi Principal Engineer UL LLC	Mike Antola Sr. Staff Engineer UL LLC

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC Part 96.47, KDB 940660 D01 Part 96 CBRS v03r01.

3. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification #0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☒	Building 2800 Suite Perimeter Park Dr. Suite B, Morrisville, NC 27560, U.S.A.	US0067	27265	825374

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/NR/SCS Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, WPT and NFC.
Model differences:

Representative Model	Difference	Derivative Model
		SM-S741U1
SM-S741U	Hardware	Same as SM-S741U
	Software	Different UI

5.2. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Power Adapter	Sony	XQZ-UC11-010-236-21	NA	NA

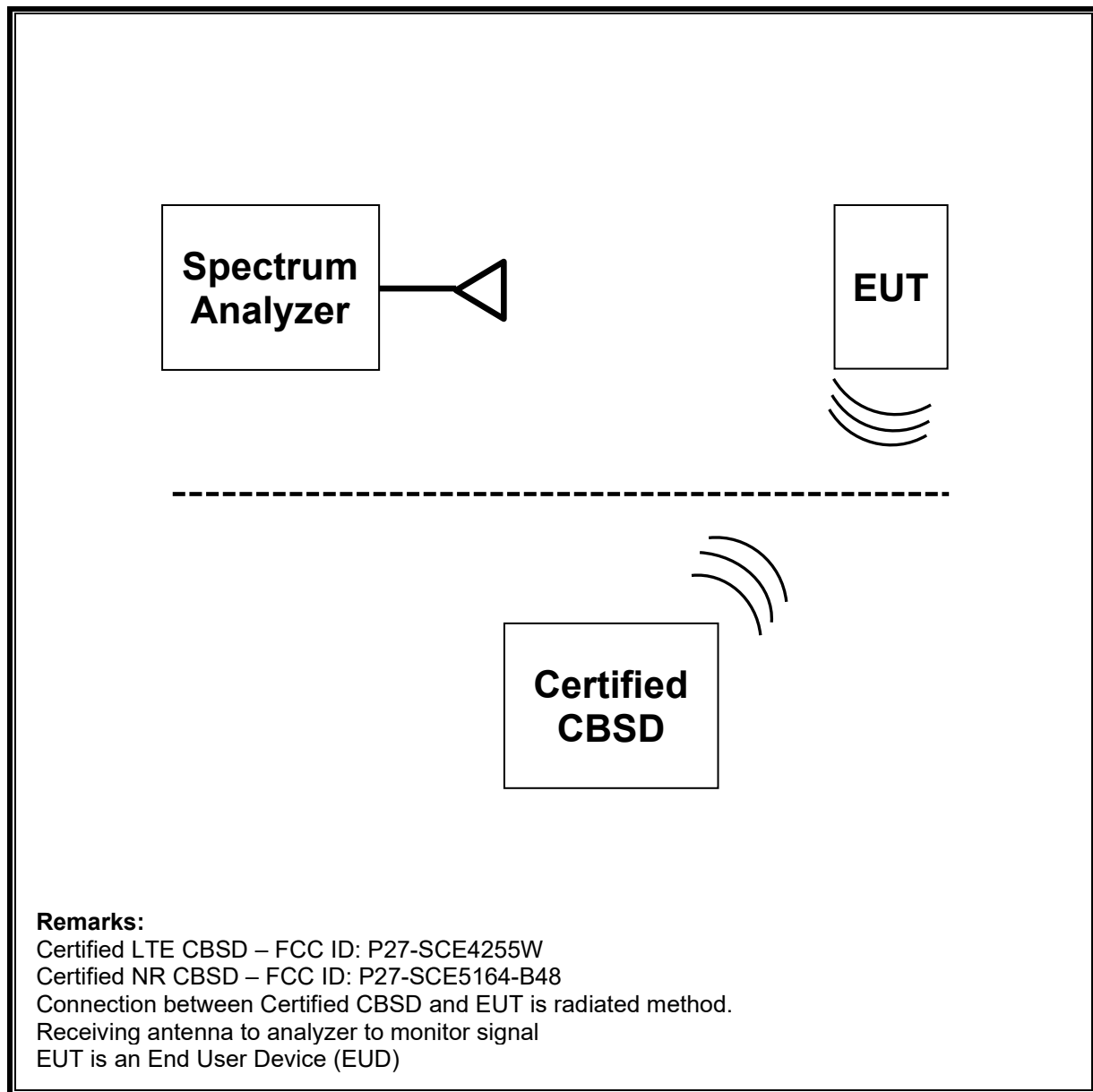
I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB-C	1	USB-C	Shielded	<3m	Phone to power adapter

TEST SETUP

The standalone EUT connected to a certified CBSD and Spectrum Analyzer via over-the-air connection.

SETUP DIAGRAM OF TEST SYSTEM



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	Chamber 3				
214284	Signal Analyzer	Rohde & Schwarz	FSW50	2026-04-16	2027-04-16
89408	Horn Antenna	Advanced Technical	250-441EM- NF/CAL	2026-02-10	2027-02-10
206211	Horn Antenna	ETS Lindgren	3117	2026-05-11	2027-05-11
226143	Coaxial Cable	Junflox MWX	MWX051- 01200KMSKMS/B	2026-05-05	2027-05-05
238018	Directional Coupler	Mini-Circuits	ZUDC-10-183+	2026-05-05	2027-05-05
239539	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2026-08-05

7. END USER DEVICE ADDITIONAL REQUIREMENT

7.1. 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.

8. TEST PROCEDURE AND EUT CONFIGURATION

KDB 940660 D01 Part 96 CBRS v03, WINNF-TS-0122 V1.0.2

Additional requirements are required to End-User Device n48 device base on CBSD protocol. During the test, the EUT and its companion certified CBSD device communicate with each other via air. Plots are captured and measurements are done over the air, in which the path loss is not accounted for the correction of the output power.

Configuration 1

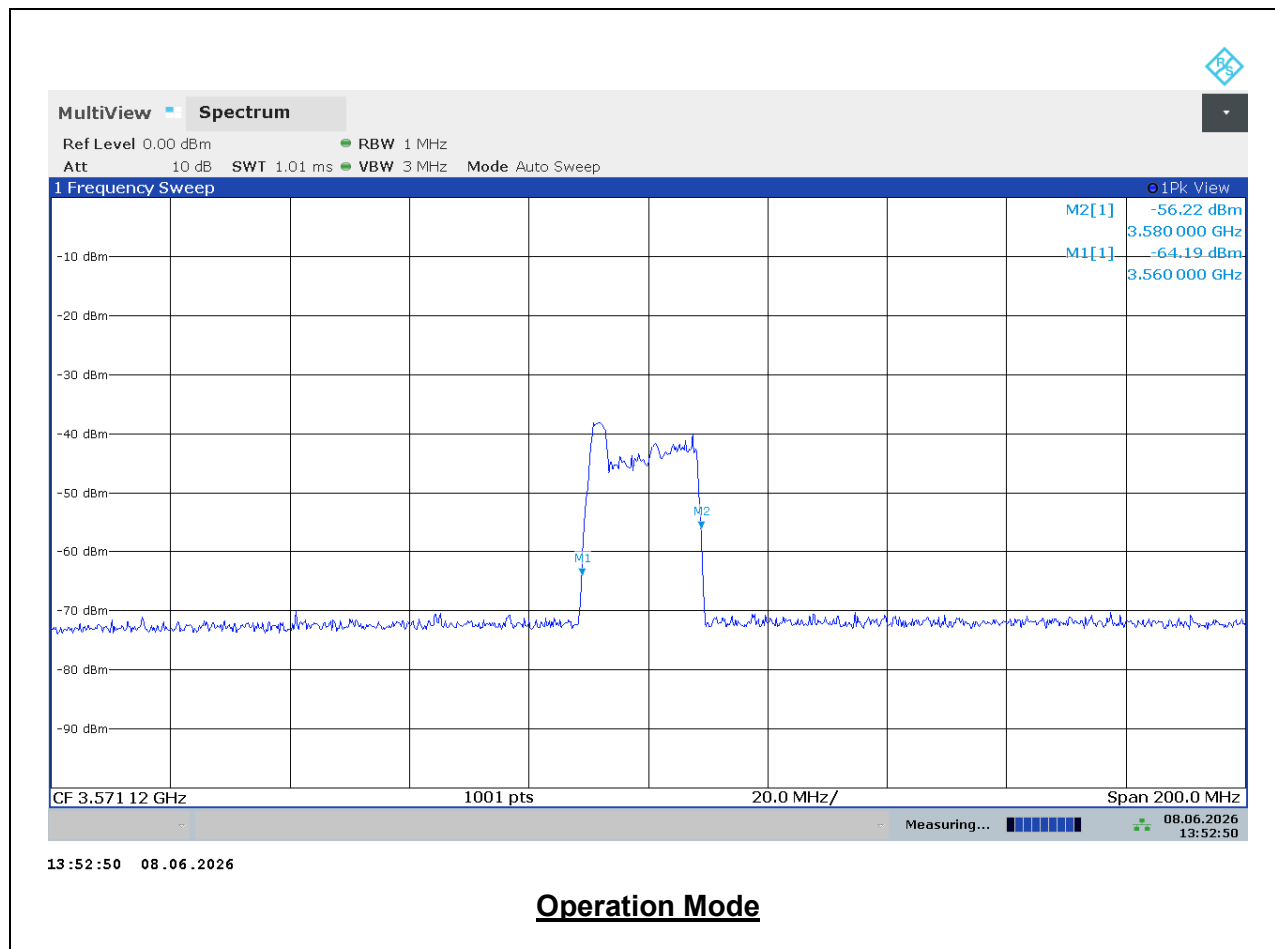
- a) Setup 4G access point with 3570MHz, 20MHz bandwidth
- b) Enable LTE B48 service from admin control panel
- c) Check EUT Transmitter Frequency and power
- d) Disable LTE B48 service and check EUT stop transmission within 10s.

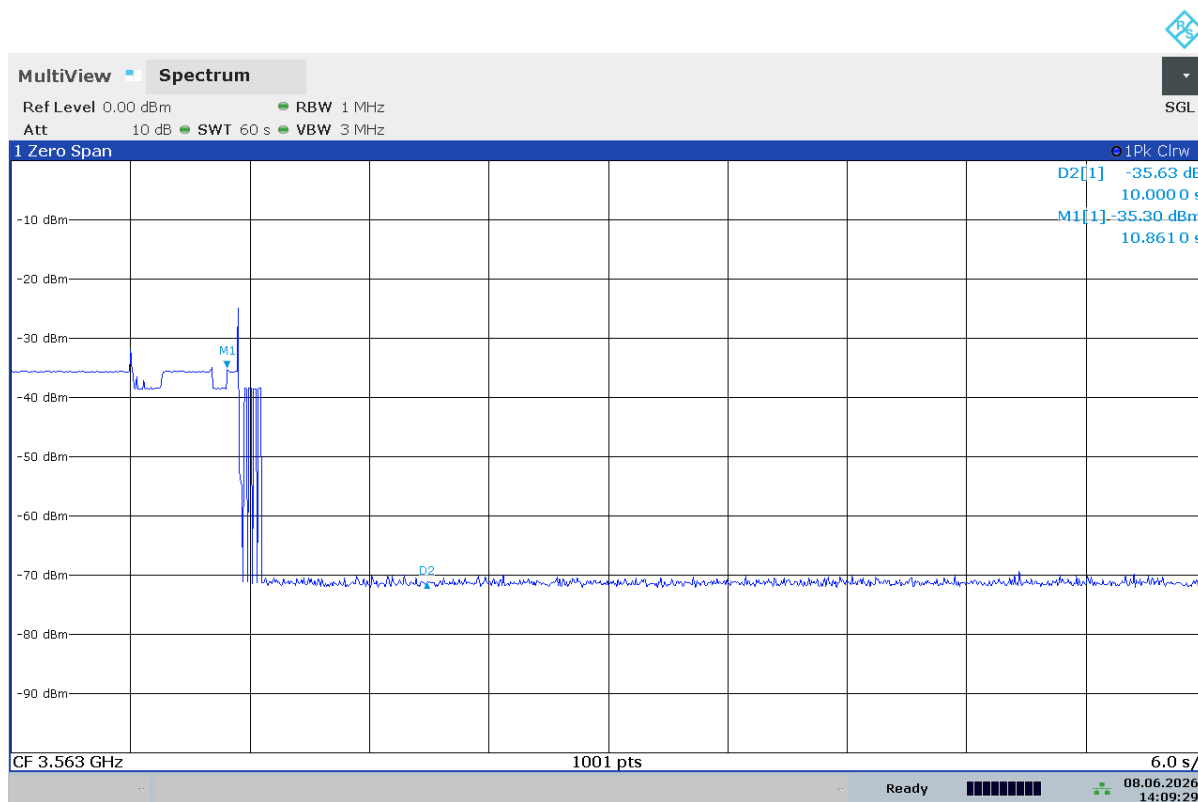
Configuration 2

- a) Setup 5G access point with 3560MHz, 20MHz bandwidth
- b) Enable FR1 NR n48 service from admin control panel
- c) Check EUT Transmitter Frequency and power
- d) Disable FR1 NR n48 service and check EUT stop transmission within 10s.

TEST RESULTS

8.1. END USER DEVICE CONFIGURATION 1





14:09:29 08.06.2026

Stop Operation Within 10 second Mode

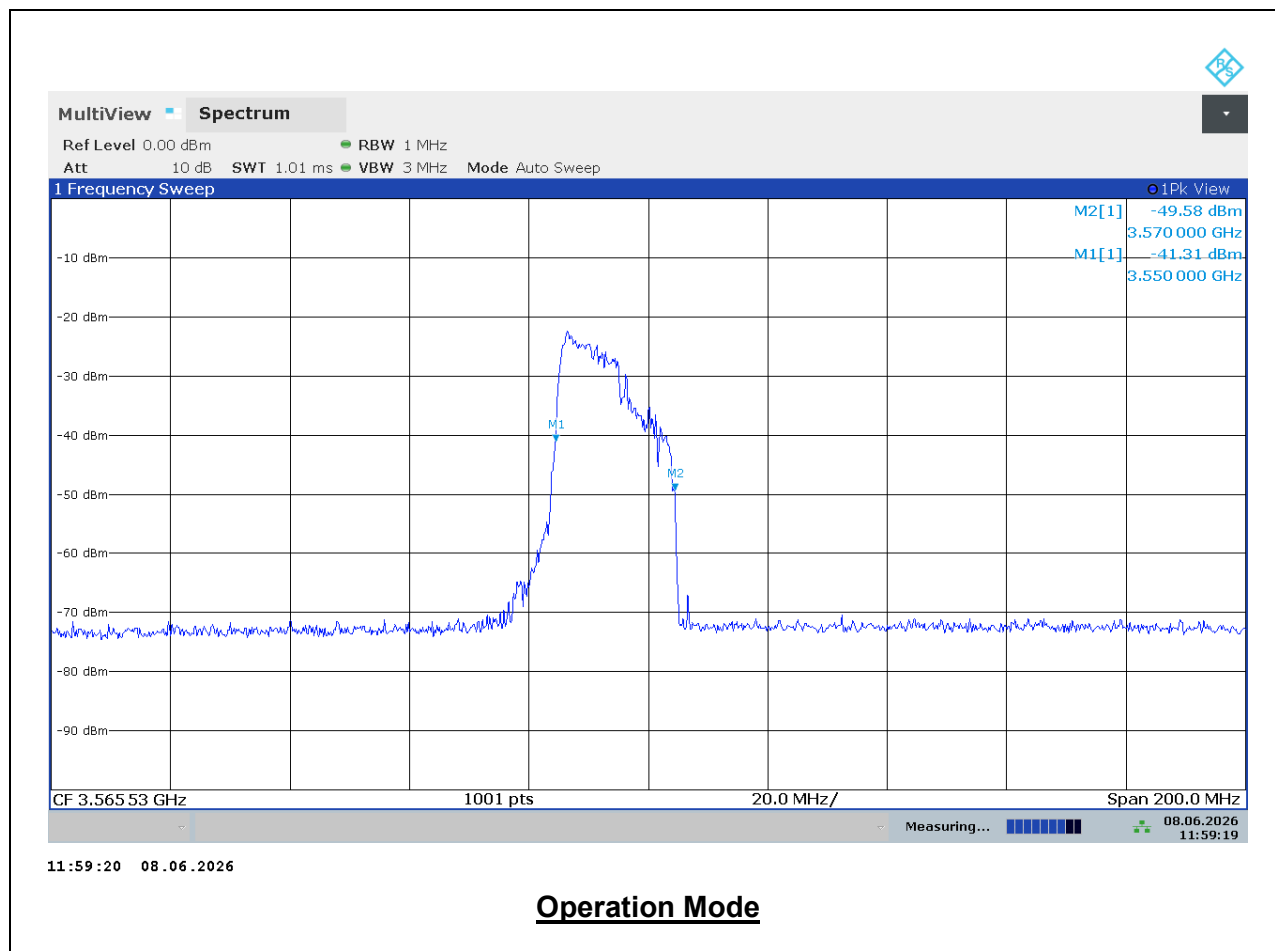
NOTE:

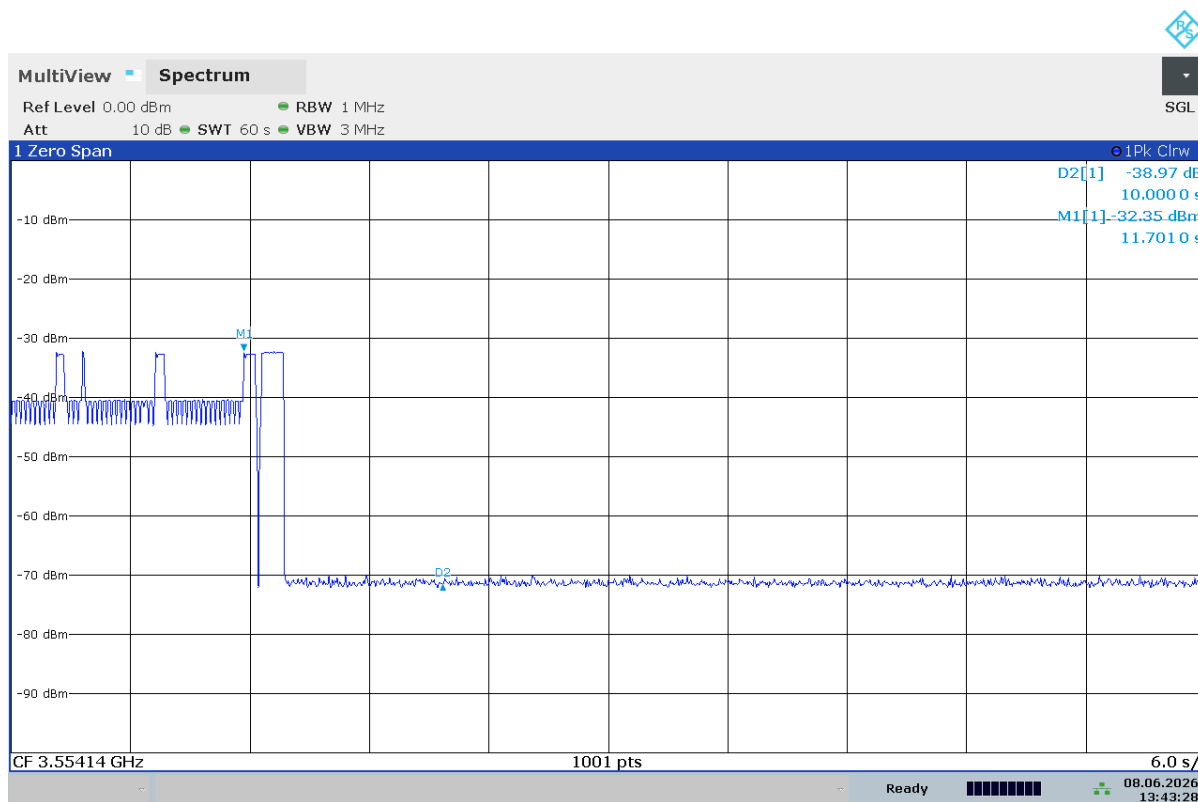
CBSD access point and EUT are connected at the beginning of the sweep and command immediately initiated to discontinue service.

Marker 1: Time elapsed since command to cease transmission initiated and when service discontinues.

Marker 1-2 Delta: EUT discontinues operation with 10 seconds of CBSD transmission to EUT.

8.2. END USER DEVICE CONFIGURATION 2





13:43:28 08.06.2026

Stop Operation Within 10 second Mode

NOTE:

CBSD access point and EUT are connected at the beginning of the sweep and command immediately initiated to discontinue service.

Marker 1: Time elapsed since command to cease transmission initiated and when service discontinues.

Marker 1-2 Delta: EUT discontinues operation with 10 seconds of CBSD transmission to EUT.

9. SETUP PHOTOS

Please refer to R16314687-EP1 for setup photos

END OF REPORT