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PART 27 MEASUREMENT REPORT

Applicant Name:

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

Date of Testing:

6/3/2025 - 7/18/2025

Test Report Issue Date:

7/22/2025

Test Site/Location:

Element Lab., Columbia, MD, USA

Test Report Serial No.:

1M2505130050-04.A3L

FCC ID:

A3LSMX736B

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Certification

Model:

SM-X736B

EUT Type:

Portable Tablet

FCC Classification:

PCS Licensed Transmitter (PCB)

FCC Rule Part:

27

Test Procedure(s):

ANSI C63.26-2015

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

RJ Ortanez
Executive Vice President



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Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
LTE Band 41(PC2)	20 MHz	QPSK	2506.0 - 2680.0	0.313	24.96	18M0G7D
		16QAM	2506.0 - 2680.0	0.296	24.72	18M1W7D
	15 MHz	QPSK	2503.5 - 2682.5	0.318	25.03	13M6G7D
		16QAM	2503.5 - 2682.5	0.300	24.77	13M6W7D
	10 MHz	QPSK	2501.0 - 2685.0	0.348	25.42	9M01G7D
		16QAM	2501.0 - 2685.0	0.293	24.66	9M02W7D
LTE Band 41(PC3)	20 MHz	QPSK	2498.5 - 2687.5	0.290	24.62	4M51G7D
		16QAM	2498.5 - 2687.5	0.280	24.46	4M52W7D
	15 MHz	QPSK	2506.0 - 2680.0	0.252	24.02	18M0G7D
		16QAM	2506.0 - 2680.0	0.211	23.24	17M9W7D
	10 MHz	QPSK	2503.5 - 2682.5	0.252	24.01	13M4G7D
		16QAM	2503.5 - 2682.5	0.211	23.24	13M2W7D
LTE Band 41(PC3)	10 MHz	QPSK	2501.0 - 2685.0	0.251	23.99	8M93G7D
		16QAM	2501.0 - 2685.0	0.211	23.24	8M88W7D
	5 MHz	QPSK	2498.5 - 2687.5	0.250	23.98	4M54G7D
		16QAM	2498.5 - 2687.5	0.209	23.21	4M54W7D

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Antenna-1						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n41(PC3)	100 MHz	$\pi/2$ BPSK	2546.0 - 2640.0	0.293	24.66	96M9G7D
		QPSK	2546.0 - 2640.0	0.299	24.75	97M6G7D
		16QAM	2546.0 - 2640.0	0.272	24.34	97M7W7D
	90 MHz	$\pi/2$ BPSK	2541.0 - 2645.0	0.297	24.72	87M1G7D
		QPSK	2541.0 - 2645.0	0.300	24.77	87M6G7D
		16QAM	2541.0 - 2645.0	0.268	24.28	87M6W7D
	80 MHz	$\pi/2$ BPSK	2536.0 - 2650.0	0.293	24.67	77M4G7D
		QPSK	2536.0 - 2650.0	0.299	24.75	77M8G7D
		16QAM	2536.0 - 2650.0	0.272	24.34	77M7W7D
	70 MHz	$\pi/2$ BPSK	2531.0 - 2655.0	0.298	24.74	64M5G7D
		QPSK	2531.0 - 2655.0	0.303	24.81	67M5G7D
		16QAM	2531.0 - 2655.0	0.267	24.26	67M7W7D
	60 MHz	$\pi/2$ BPSK	2526.0 - 2660.0	0.302	24.80	58M4G7D
		QPSK	2526.0 - 2660.0	0.297	24.73	58M1G7D
		16QAM	2526.0 - 2660.0	0.272	24.34	58M0W7D
	50 MHz	$\pi/2$ BPSK	2521.0 - 2665.0	0.295	24.70	46M0G7D
		QPSK	2521.0 - 2665.0	0.298	24.74	47M7G7D
		16QAM	2521.0 - 2665.0	0.272	24.34	47M6W7D
	40 MHz	$\pi/2$ BPSK	2516.0 - 2670.0	0.306	24.85	36M0G7D
		QPSK	2516.0 - 2670.0	0.297	24.73	38M0G7D
		16QAM	2516.0 - 2670.0	0.269	24.29	38M1W7D
	30 MHz	$\pi/2$ BPSK	2511.0 - 2675.0	0.290	24.62	27M0G7D
		QPSK	2511.0 - 2675.0	0.292	24.65	27M9G7D
		16QAM	2511.0 - 2675.0	0.266	24.24	28M1W7D
	20 MHz	$\pi/2$ BPSK	2506.0 - 2680.0	0.285	24.55	18M0G7D
		QPSK	2506.0 - 2680.0	0.287	24.57	18M3G7D
		16QAM	2506.0 - 2680.0	0.268	24.28	18M4W7D
	15 MHz	$\pi/2$ BPSK	2503.5 - 2682.5	0.290	24.63	12M9G7D
		QPSK	2503.5 - 2682.5	0.294	24.68	13M6G7D
		16QAM	2503.5 - 2682.5	0.268	24.28	13M6W7D
	10 MHz	$\pi/2$ BPSK	2501.0 - 2685.0	0.295	24.70	8M61G7D
		QPSK	2501.0 - 2685.0	0.301	24.78	8M64G7D
		16QAM	2501.0 - 2685.0	0.284	24.53	8M64W7D

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Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n41(PC3)	100 MHz	$\pi/2$ BPSK	2546.0 - 2640.0	0.064	18.04	451K0G7D
		QPSK	2546.0 - 2640.0	0.065	18.10	544K8G7D
		16QAM	2546.0 - 2640.0	0.062	17.94	472K6W7D

Antenna-3						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n41(PC3)	100 MHz	$\pi/2$ BPSK	2546.0 - 2640.0	0.101	20.03	451K8G7D
		QPSK	2546.0 - 2640.0	0.104	20.18	551K8G7D
		16QAM	2546.0 - 2640.0	0.096	19.84	472K5W7D

Antenna-4						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	EIRP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
NR Band n41(PC3)	100 MHz	$\pi/2$ BPSK	2546.0 - 2640.0	0.072	18.60	451K8G7D
		QPSK	2546.0 - 2640.0	0.076	18.82	551K8G7D
		16QAM	2546.0 - 2640.0	0.064	18.07	474K9W7D

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 Element Test Location

Measurements were conducted at the Element laboratory(ies) indicated in Section 1.3 below. All measurement facilities are compliant with the test site requirements specified in ANSI C63.4-2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at Element lab located in Columbia, MD 21046, U.S.A.

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Washington DC LLC facility is a registered (2451B) test laboratory with the site description on file with ISED.
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Tablet FCC ID: A3LSMX736B**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 27.

Test Device Serial No.: 19737, 19331, 19315, 19273, 27060, 26013, 72199, 72207

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/GPRS/EDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, Multi-band 5G NR (FR1), 802.11b/g/n/ax WLAN, 802.11a/n/ac/ax UNII (5GHz and 6GHz), Bluetooth (1x, EDR, LE), Digitizer

This device can transmit in the 5G NR Band n41 band over four separate antennas labelled SRS-1, SRS-2, SRS-3, and SRS-4. SRS operation can occur on either the main or switching path. With SRS operations, any of these four antennas can transmit an SRS signal to check the channel quality for transmission in the n41 Band. However, these antennas cannot simultaneously transmit and only the SRS-1 antenna is capable of data transmission. The test data is marked to indicate the specific antenna transmitting in the n41 band.

Band	Ant 1	Ant 2	Ant 3	Ant 4
LTE B41 PC2	Main1	-	-	-
LTE B41 PC3	Main1	-	-	-
NR n41 PC3	SRS#1 (Main1)	SRS#2 (Sub3)	SRS#3 (Sub2)	SRS#4 (Sub1)

Table 2-1. Antenna Report Naming Convention

2.3 Test Configuration

The EUT was tested per the guidance of ANSI C63.26-2015. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

2.4 Duty Cycle Information

For all 5G NR and LTE operations in FDD mode, the EUT duty cycle was set to 100%.

For LTE TDD operation, a call box was used to force maximum transmission for each band. For LTE TDD bands, the maximum duty cycle is 63.3% for PC3 and 43.3% for PC2.

2.5 Software and Firmware

Testing was performed on device(s) using software/firmware version X736BXXU0AUF8 installed on the EUT.

2.6 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26-2015) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 Radiated Power and Radiated Spurious Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For radiated power measurements, substitution method is used per the guidance of ANSI C63.26-2015. For emissions below 1GHz, a half-wave dipole is substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d \text{ [dBm]} = P_g \text{ [dBm]} - \text{cable loss [dB]} + \text{antenna gain [dBd/dBi]};$$

where P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g \text{ [dBm]} - \text{cable loss [dB]}$.

For radiated spurious emissions measurements, the field strength conversion method is used per the formulas in Section 5.2.7 of ANSI C63.26-2015. Field Strength (EIRP) is calculated using the following formulas:

$$E_{\text{[dB}\mu\text{V/m]}} = \text{Measured amplitude level}_{\text{[dBm]}} + 107 + \text{Cable Loss}_{\text{[dB]}} + \text{Antenna Factor}_{\text{[dB/m]}}$$

And

$$\text{EIRP}_{\text{[dBm]}} = E_{\text{[dB}\mu\text{V/m]}} + 20\log D - 104.8; \text{ where } D \text{ is the measurement distance in meters.}$$

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4-2014. Additionally, radiated emissions below 30MHz are also validated on an Open Area Test Site to assert correlation with the chamber measurements per the requirements of KDB 414788 D01 v01r01.

Radiated power and radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26-2015.

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4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Bench Top Measurements	1.13
Radiated Disturbance (<1GHz)	4.98
Radiated Disturbance (>1GHz)	5.07
Radiated Disturbance (>18GHz)	5.09

Table 4-1. Measurement Uncertainty Budget

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5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	LTx1	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx1
-	LTx2	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx2
-	LTx3	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx3
-	LTx4	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx4
-	LTx5	Licensed Transmitter Cable Set	2/25/2025	Annual	2/25/2026	LTx5
-	MD 1M 18 40	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	MD 1M 18 40
-	AP2	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP2
-	AP1	EMC Cable and Switch System	2/25/2025	Annual	2/25/2026	AP1
-	ETS	EMC Cable and Switch System	12/11/2024	Annual	12/11/2025	ETS
Agilent	N9030A	PXA Signal Analyzer (44GHz)	10/16/2024	Annual	10/16/2025	MY49430494
Anritsu	MT8820C	Radio Communication Analyzer	N/A			6201240328
EMCO	3115	Horn Antenna (1-18GHz)	9/6/2024	Biennial	9/6/2026	9704-5182
EMCO	3116	Horn Antenna (18-40GHz)	7/5/2023	Biennial	7/5/2025	9203-2178
Espec	ESX-2CA	Environmental Chamber	11/20/2024	Biennial	11/20/2026	17620
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	N/A			100976
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	10/16/2024	Annual	10/16/2025	100342
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	10/16/2024	Annual	10/16/2025	100348
Rohde & Schwarz	ESW44	EMI Test Receiver (44 GHz)	3/25/2025	Annual	3/25/2026	101716
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	9/11/2024	Biennial	9/11/2026	A051107
Sunol	DRH-118	Horn Antenna (1-18GHz)	2/21/2024	Biennial	2/21/2026	A050307

Table 5-1. Test Equipment Calibration Table

Notes:

1. For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
2. Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

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6.0 SAMPLE EMISSION DESIGNATORS

QPSK Modulation

Emission Designator = 8M62G7D

LTE BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

QAM Modulation

Emission Designator = 8M45W7D

LTE BW = 8.45 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

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7.0 TEST RESULTS

7.1 Summary

Company Name: Samsung Electronics Co., Ltd.
 FCC ID: A3LSMX736B
 FCC Classification: PCS Licensed Transmitter (PCB)
 Mode(s): LTE/NR

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference
CONDUCTED	Transmitter Conducted Output Power	2.1046(a), 2.1046(c)	N/A	PASS	Section 7.2
	Occupied Bandwidth	2.1049(h)	N/A	PASS	Section 7.3
	Conducted Band Edge / Spurious Emissions (LTE Band 41; NR Band n41)	2.1051, 27.53(m)(4)	Undesirable emissions must meet the limits detailed in 27.53(m)(4)	PASS	Sections 7.4, 7.5
	Frequency Stability	2.1055, 27.54	Fundamental emissions stay within authorized frequency block	PASS	Section 7.8
RADIATED	Equivalent Isotropic Radiated Power (LTE Band 41; NR Band n41)	27.50(h)(2)	≤ 2 Watts max. EIRP	PASS	Section 7.6
	Radiated Spurious Emissions (LTE Band 41; NR Band n41)	2.1053, 27.53(m)	Undesirable emissions must meet the limits detailed in 27.53(m)	PASS	Section 7.7

Table 7-1. Summary of Test Results

Notes:

- 1) All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
- 4) All conducted emissions measurements are performed with automated test software to capture the corresponding plots necessary to show compliance. The measurement software utilized is EMC Software Tool v1.2.2.

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7.2 Conducted Output Power Data

Test Overview

All emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2

Test Settings

1. Span = 2 x OBW to 3 x OBW
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

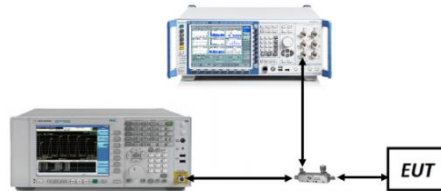


Figure 7-1. Test Instrument & Measurement Setup

Test Notes

1. Conducted power measurements were evaluated using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
2. All other conducted power measurements are contained in the RF exposure report for this filing.
3. Conducted power was found to reduce for the higher order QAM modulations when compared to 16QAM. Due to this trend, only the worst-case QAM (16QAM) powers are included in this section.

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	$\pi/2$ BPSK	509202	2546.01	1 / 136	24.12
		518598	2592.99	1 / 136	24.19
		528000	2640.00	1 / 1	24.07
	QPSK	509202	2546.01	1 / 136	24.17
		518598	2592.99	1 / 136	24.14
		528000	2640.00	1 / 1	24.07
	16-QAM	509202	2546.01	1 / 1	22.91
		518598	2592.99	1 / 1	22.93
		528000	2640.00	1 / 1	22.90
90 MHz	$\pi/2$ BPSK	508200	2541.00	1 / 122	24.18
		518598	2592.99	1 / 122	24.16
		528996	2644.98	1 / 1	23.99
	QPSK	508200	2541.00	1 / 122	24.19
		518598	2592.99	1 / 122	24.16
		528996	2644.98	1 / 1	24.07
	16-QAM	508200	2541.00	1 / 1	22.85
		518598	2592.99	1 / 1	22.91
		528996	2644.98	1 / 1	22.90
80 MHz	$\pi/2$ BPSK	507204	2536.02	1 / 108	24.13
		518598	2592.99	1 / 108	24.17
		529998	2649.99	1 / 1	24.01
	QPSK	507204	2536.02	1 / 108	24.17
		518598	2592.99	1 / 108	24.14
		529998	2649.99	1 / 1	24.07
	16-QAM	507204	2536.02	1 / 1	22.91
		518598	2592.99	1 / 1	22.93
		529998	2649.99	1 / 1	22.90
70 MHz	$\pi/2$ BPSK	506202	2531.01	1 / 94	24.20
		518598	2592.99	1 / 94	24.12
		531000	2655.00	1 / 1	23.94
	QPSK	506202	2531.01	1 / 94	24.23
		518598	2592.99	1 / 94	24.19
		531000	2655.00	1 / 1	23.98
	16-QAM	506202	2531.01	1 / 1	22.83
		518598	2592.99	1 / 1	22.91
		531000	2655.00	1 / 1	22.83
60 MHz	$\pi/2$ BPSK	505200	2526.00	1 / 81	24.26
		518598	2592.99	1 / 81	24.36
		531996	2659.98	1 / 1	23.84
	QPSK	505200	2526.00	1 / 81	24.15
		518598	2592.99	1 / 81	24.13
		531996	2659.98	1 / 1	23.87
	16-QAM	505200	2526.00	1 / 1	22.91
		518598	2592.99	1 / 1	22.94
		531996	2659.98	1 / 1	22.77
50 MHz	$\pi/2$ BPSK	504204	2521.02	1 / 66	24.16
		518598	2592.99	1 / 66	24.12
		532998	2664.99	1 / 1	23.68
	QPSK	504204	2521.02	1 / 66	24.16
		518598	2592.99	1 / 66	24.07
		532998	2664.99	1 / 1	23.73
	16-QAM	504204	2521.02	1 / 1	22.91
		518598	2592.99	1 / 1	22.81
		532998	2664.99	1 / 1	22.54

Table 7-1. Conducted Power Data (NR Band n41(PC3) – Ant1)

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
40 MHz	$\pi/2$ BPSK	503202	2516.01	1 / 53	24.31
		518598	2592.99	1 / 53	24.28
		534000	2670.00	1 / 53	23.69
	QPSK	503202	2516.01	1 / 53	24.15
		518598	2592.99	1 / 53	24.08
		534000	2670.00	1 / 1	23.65
	16-QAM	503202	2516.01	1 / 1	22.86
		518598	2592.99	1 / 1	22.84
		534000	2670.00	1 / 1	22.44
30 MHz	$\pi/2$ BPSK	502200	2511.00	1 / 76	24.08
		518598	2592.99	1 / 39	24.10
		534996	2674.98	1 / 39	23.49
	QPSK	502200	2511.00	1 / 76	24.07
		518598	2592.99	1 / 1	23.98
		534996	2674.98	1 / 1	23.51
	16-QAM	502200	2511.00	1 / 1	22.81
		518598	2592.99	1 / 1	22.79
		534996	2674.98	1 / 1	22.33
20 MHz	$\pi/2$ BPSK	501204	2506.02	1 / 49	24.01
		518598	2592.99	1 / 49	24.01
		535998	2679.99	1 / 1	23.42
	QPSK	501204	2506.02	1 / 1	23.99
		518598	2592.99	1 / 49	24.00
		535998	2679.99	1 / 1	23.44
	16-QAM	501204	2506.02	1 / 1	22.85
		518598	2592.99	1 / 1	22.94
		535998	2679.99	1 / 1	22.37
15 MHz	$\pi/2$ BPSK	500700	2503.50	1 / 36	24.09
		518598	2592.99	1 / 19	24.13
		536496	2682.48	1 / 1	23.40
	QPSK	500700	2503.50	1 / 36	24.10
		518598	2592.99	1 / 19	24.05
		536496	2682.48	1 / 1	23.41
	16-QAM	500700	2503.50	1 / 1	22.85
		518598	2592.99	1 / 1	22.77
		536496	2682.48	1 / 1	22.21
10 MHz	$\pi/2$ BPSK	500202	2501.01	1 / 22	24.16
		518598	2592.99	1 / 1	24.17
		537000	2685.00	1 / 12	23.39
	QPSK	500202	2501.01	1 / 1	24.20
		518598	2592.99	1 / 1	24.18
		537000	2685.00	1 / 1	23.40
	16-QAM	500202	2501.01	1 / 1	23.10
		518598	2592.99	1 / 1	23.09
		537000	2685.00	1 / 1	22.38

Table 7-2. Conducted Power Data (NR Band n41(PC3) – Ant1)

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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	509202	2546.01	1 / 271	18.77
		518598	2592.99	1 / 136	19.23
		528000	2640.00	1 / 1	18.44
	QPSK	509202	2546.01	1 / 271	18.93
		518598	2592.99	1 / 136	19.40
		528000	2640.00	1 / 1	18.53
	16-QAM	509202	2546.01	1 / 271	18.68
		518598	2592.99	1 / 136	19.38
		528000	2640.00	1 / 1	18.54

Table 7-3. Conducted Power Data (NR Band n41(PC3) – Ant2)

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	509202	2546.01	1 / 136	21.28
		518598	2592.99	1 / 136	20.87
		528000	2640.00	1 / 136	20.51
	QPSK	509202	2546.01	1 / 136	20.61
		518598	2592.99	1 / 136	20.85
		528000	2640.00	1 / 136	20.78
	16-QAM	509202	2546.01	1 / 136	20.68
		518598	2592.99	1 / 136	20.60
		528000	2640.00	1 / 136	20.71

Table 7-4. Conducted Power Data (NR Band n41(PC3) – Ant3)

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
100 MHz	π/2 BPSK	509202	2546.01	1 / 271	21.86
		518598	2592.99	1 / 136	22.09
		528000	2640.00	1 / 1	22.34
	QPSK	509202	2546.01	1 / 271	21.94
		518598	2592.99	1 / 136	22.13
		528000	2640.00	1 / 1	22.66
	16-QAM	509202	2546.01	1 / 271	21.30
		518598	2592.99	1 / 136	21.29
		528000	2640.00	1 / 1	21.52

Table 7-5. Conducted Power Data (NR Band n41(PC3) – Ant4)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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7.3 Occupied Bandwidth

Test Overview

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Procedure Used

ANSI C63.26-2015 – Section 5.4.4

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

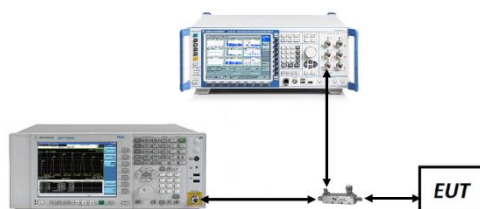


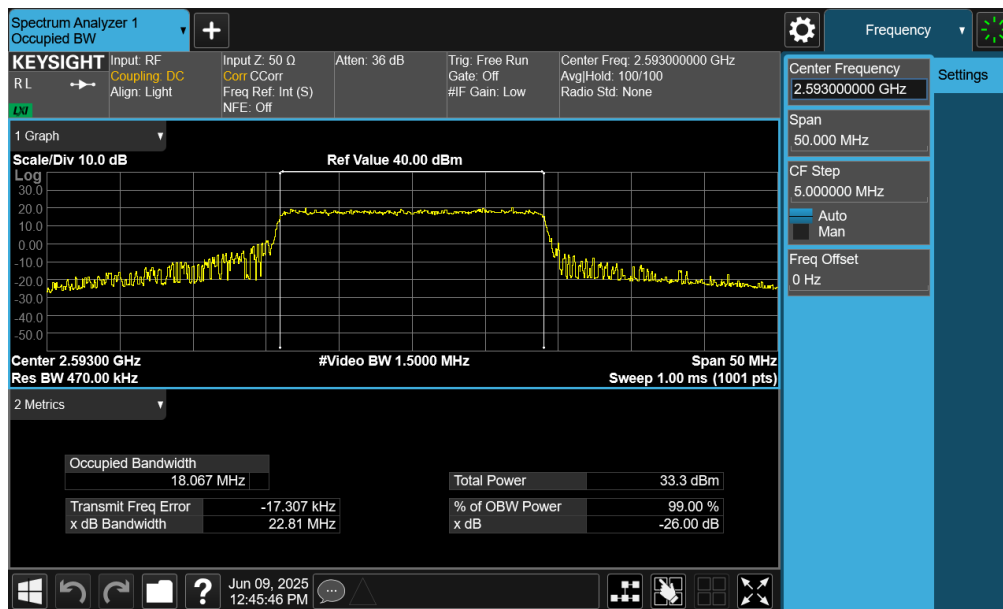
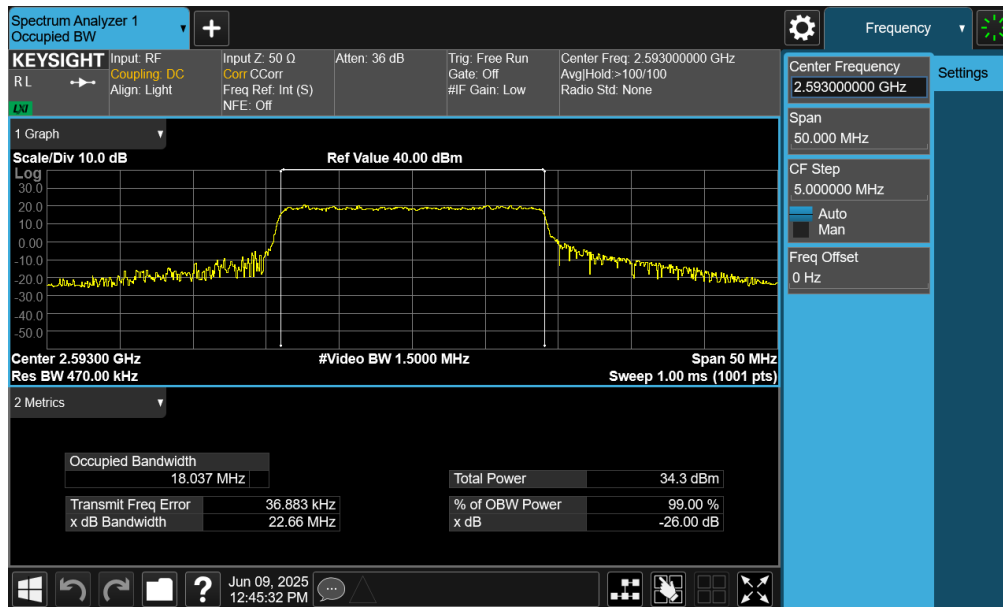
Figure 7-2. Test Instrument & Measurement Setup

Test Notes

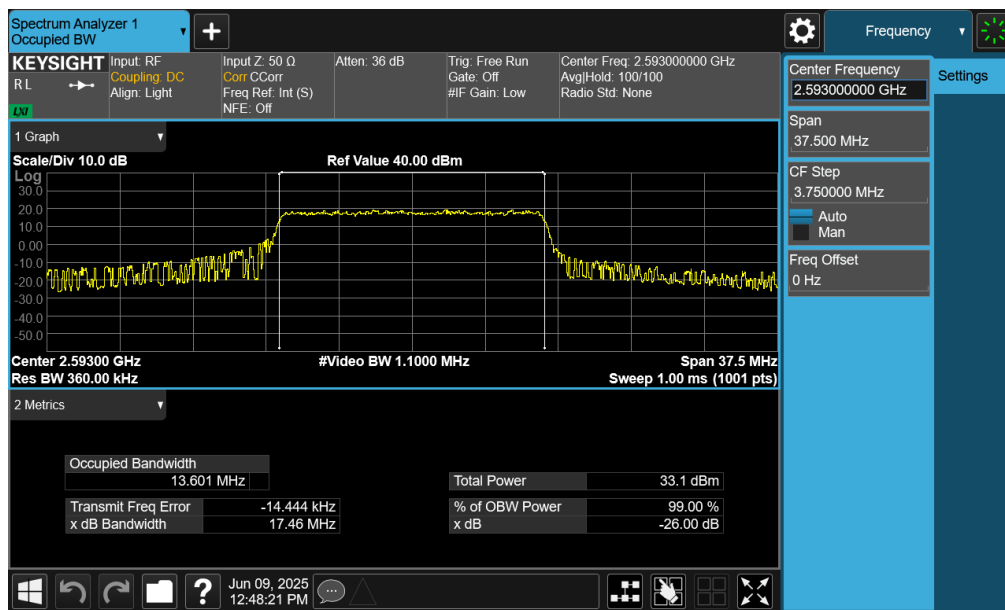
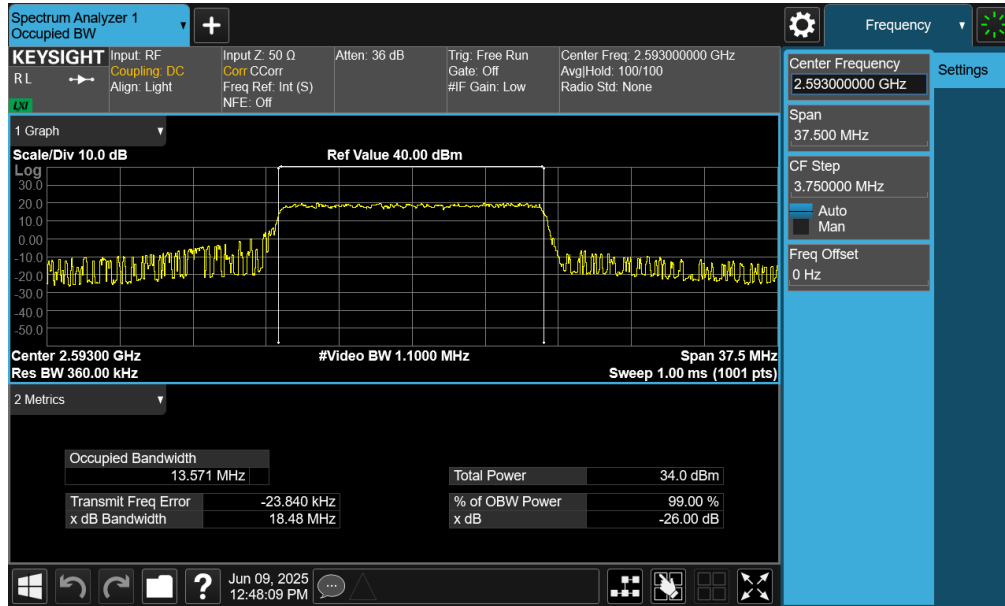
None.

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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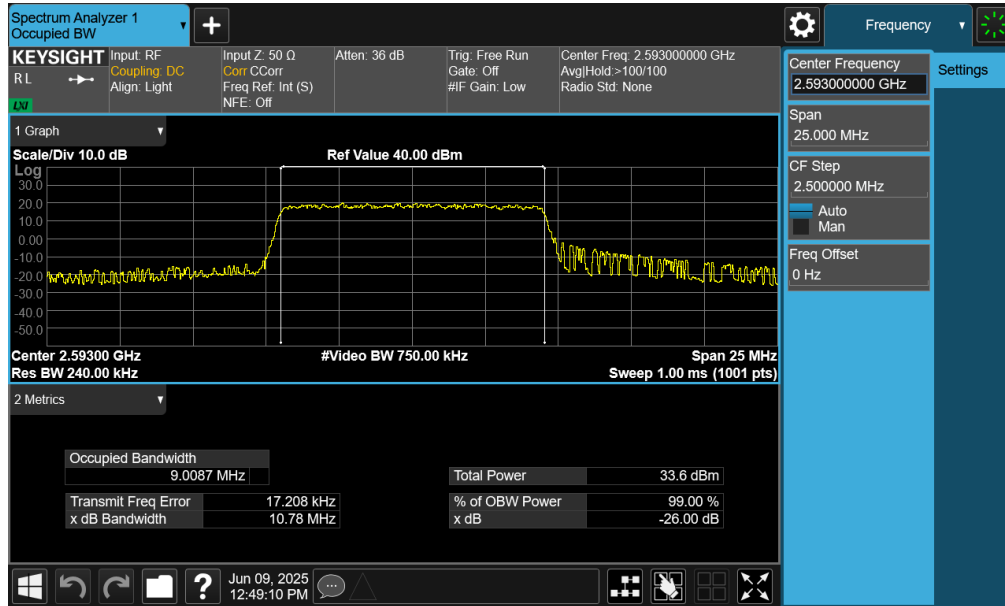
LTE Band 41(PC2) – Ant1



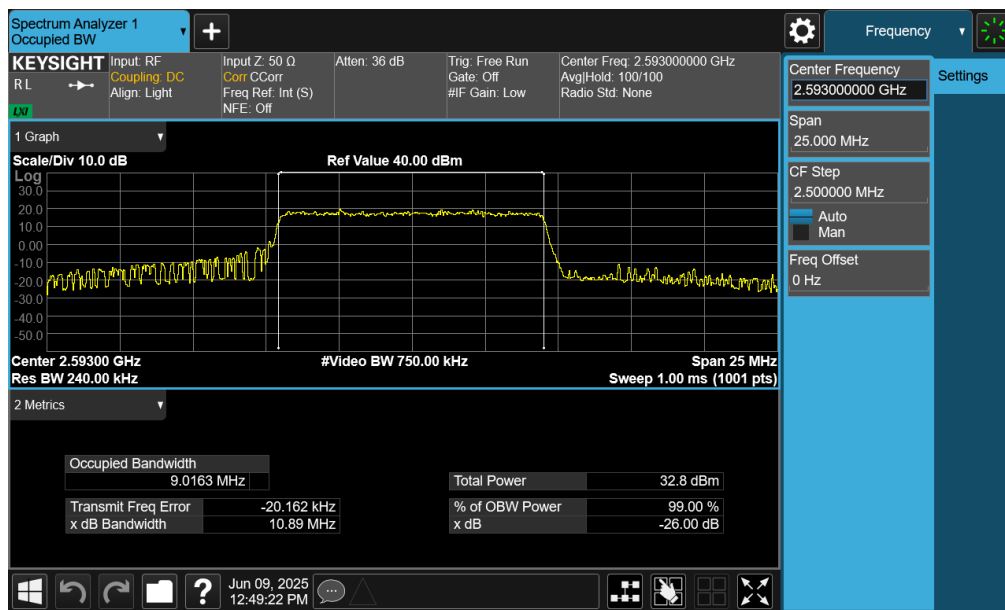
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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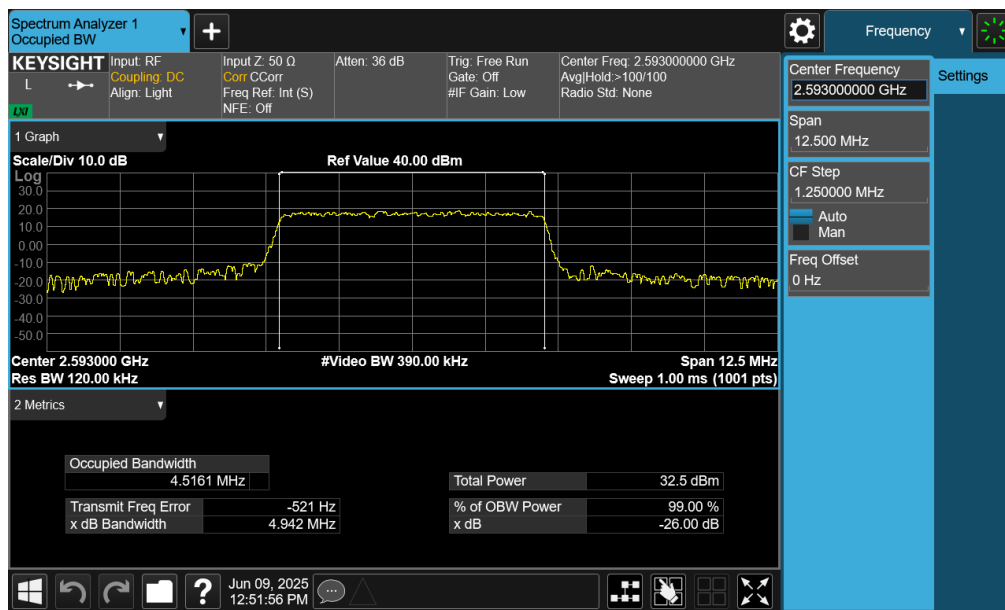
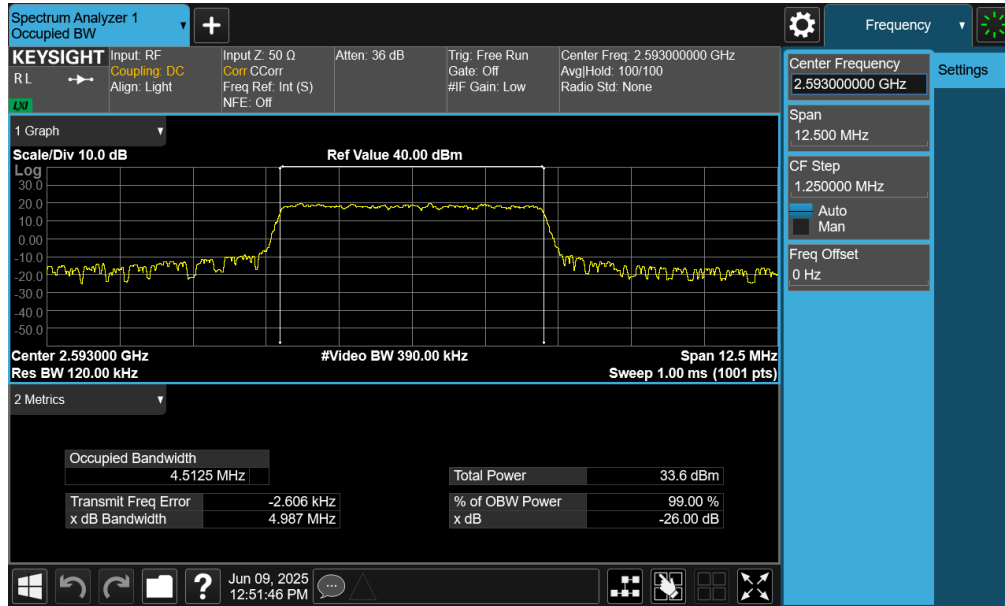


Plot 7-10. Occupied Bandwidth Plot (LTE Band 41(PC2) - 10MHz QPSK - Full RB - Ant1)



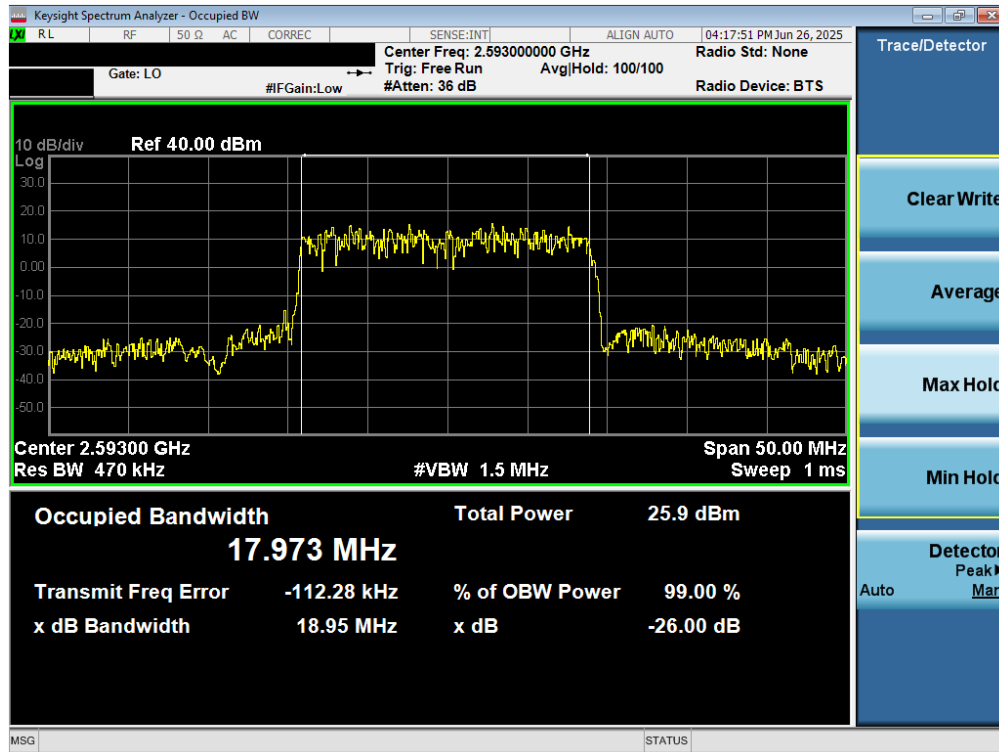
Plot 7-11. Occupied Bandwidth Plot (LTE Band 41(PC2) - 10MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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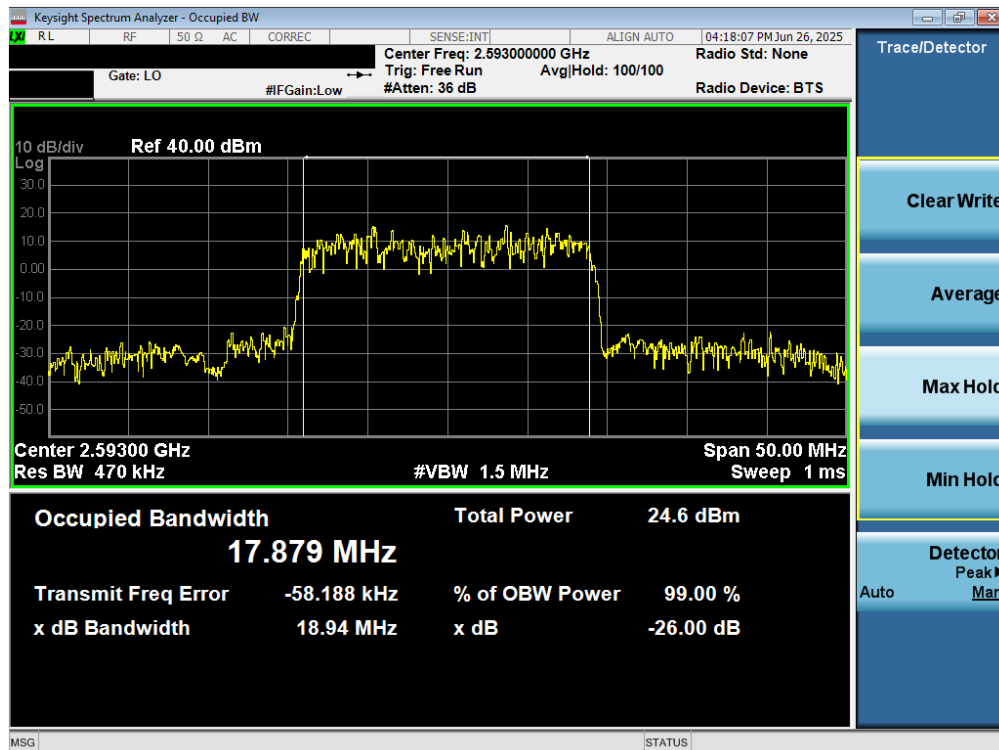


FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3) – Ant1

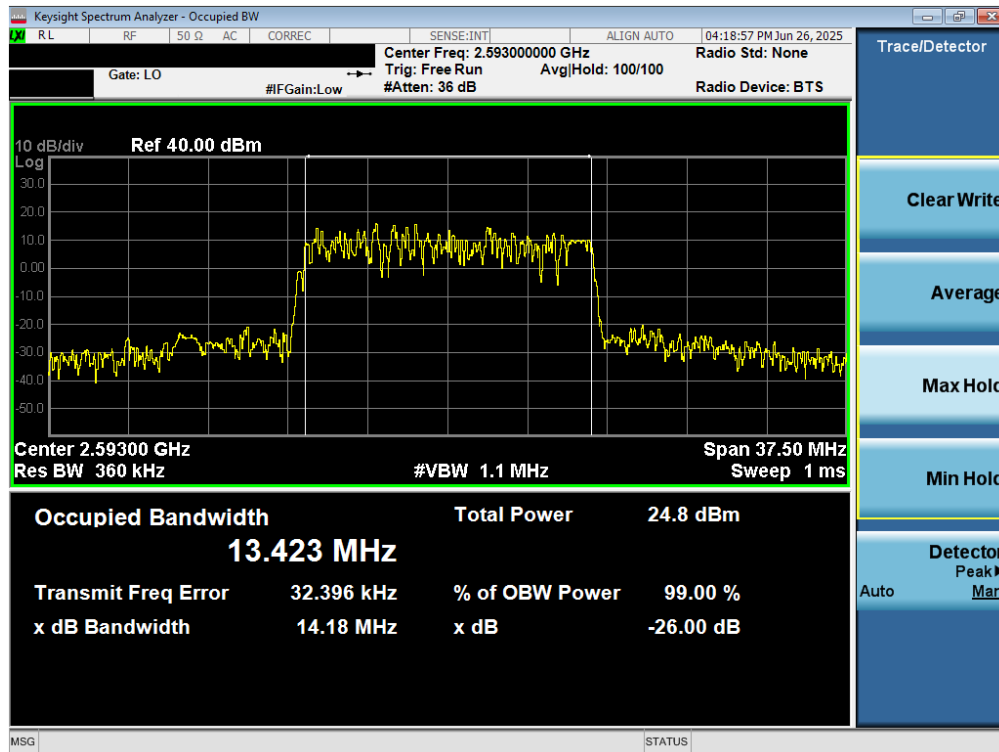


Plot 7-14. Occupied Bandwidth Plot (LTE Band 41(PC3) - 20MHz QPSK - Full RB - Ant1)

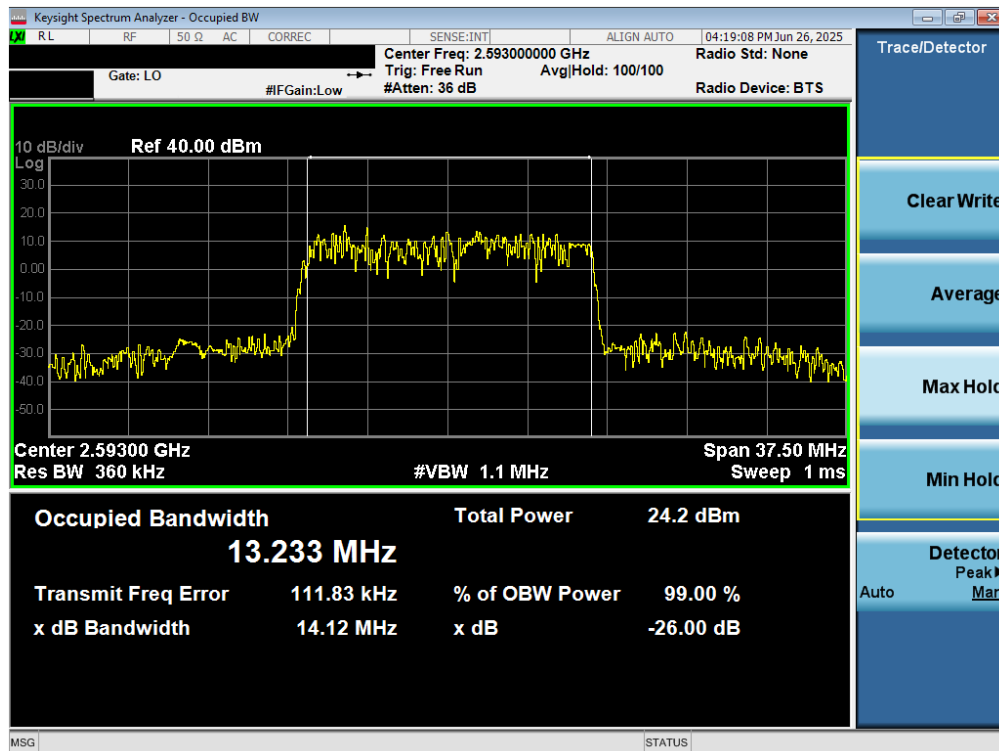


Plot 7-15. Occupied Bandwidth Plot (LTE Band 41(PC3) - 20MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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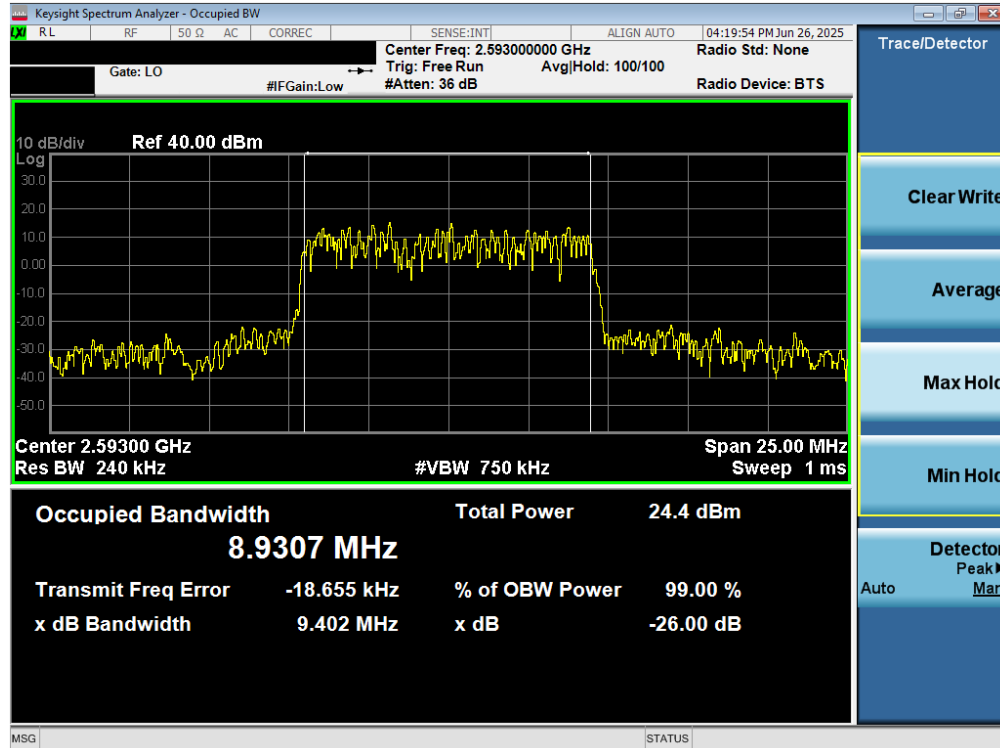


Plot 7-16. Occupied Bandwidth Plot (LTE Band 41(PC3) - 15MHz QPSK - Full RB - Ant1)

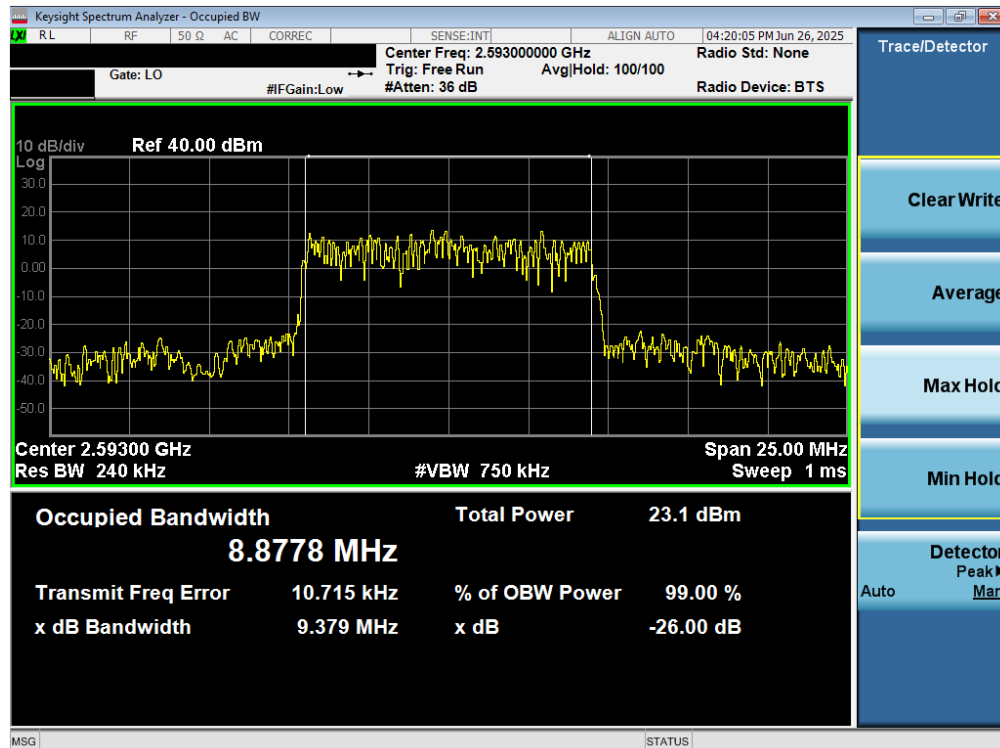


Plot 7-17. Occupied Bandwidth Plot (LTE Band 41(PC3) - 15MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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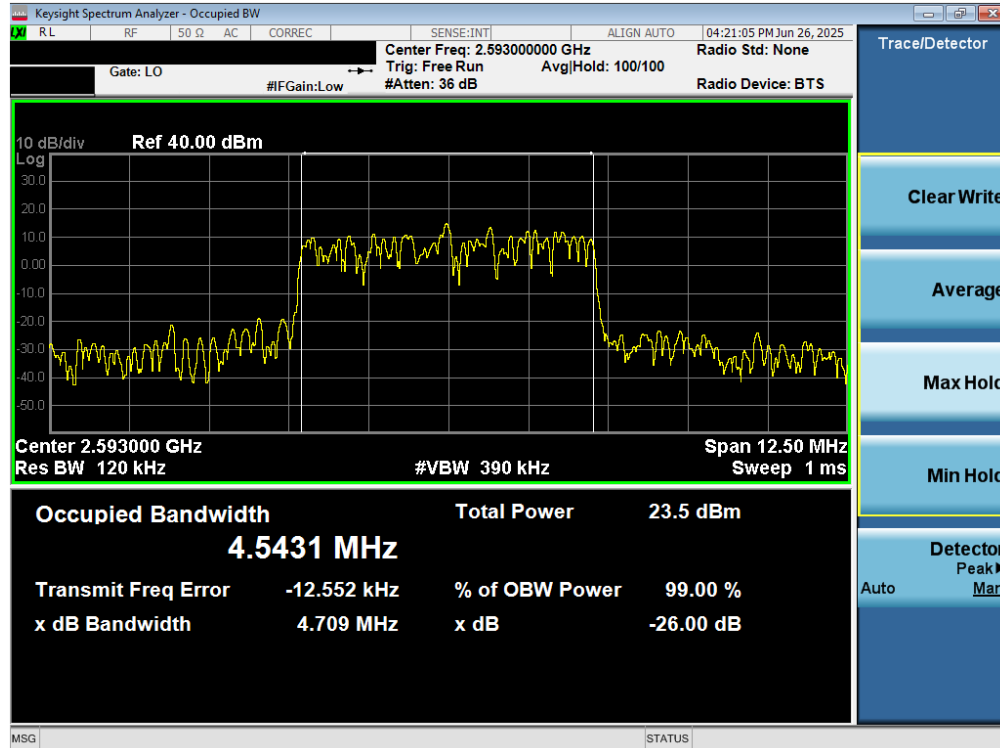


Plot 7-18. Occupied Bandwidth Plot (LTE Band 41(PC3) - 10MHz QPSK - Full RB - Ant1)

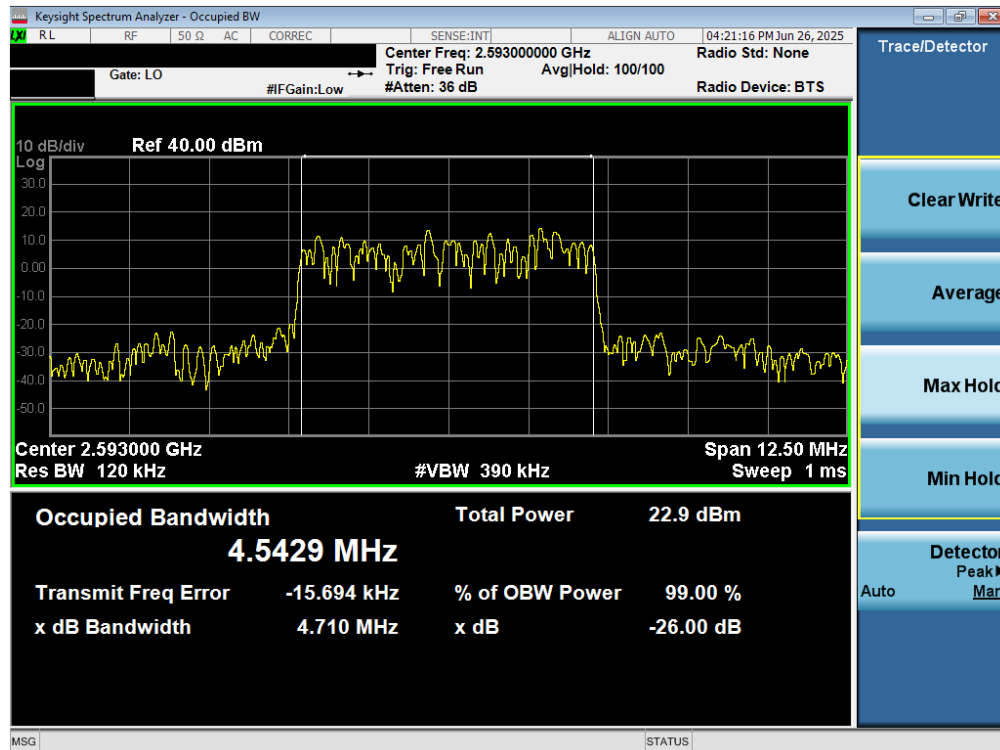


Plot 7-19. Occupied Bandwidth Plot (LTE Band 41(PC3) - 10MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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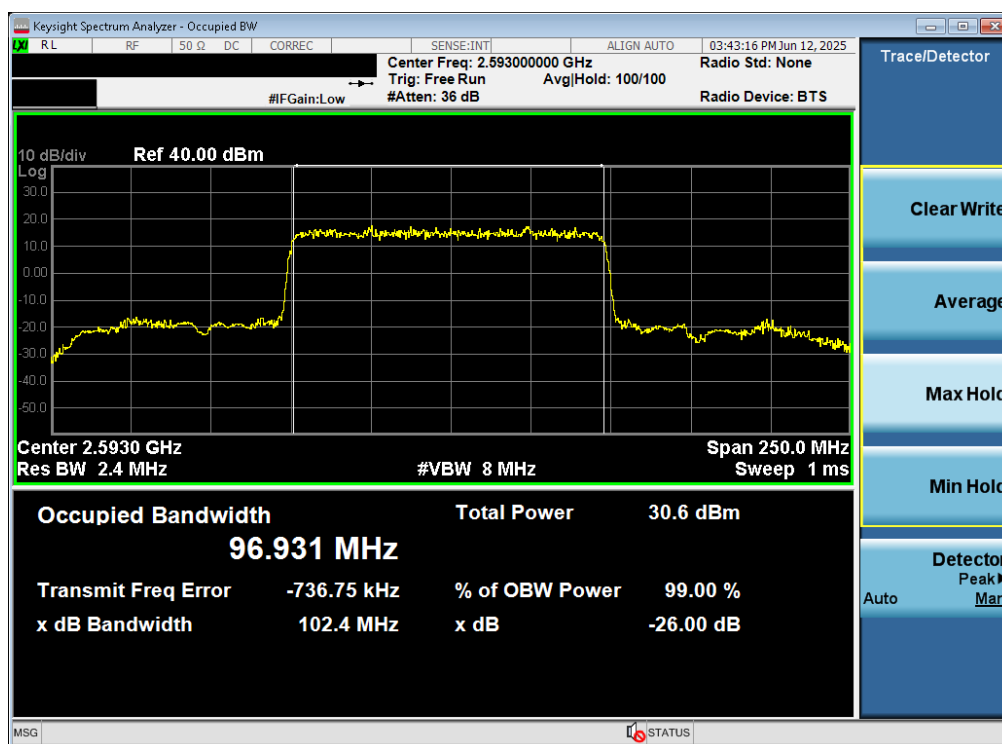
Plot 7-20. Occupied Bandwidth Plot (LTE Band 41(PC3) - 5MHz QPSK - Full RB - Ant1)



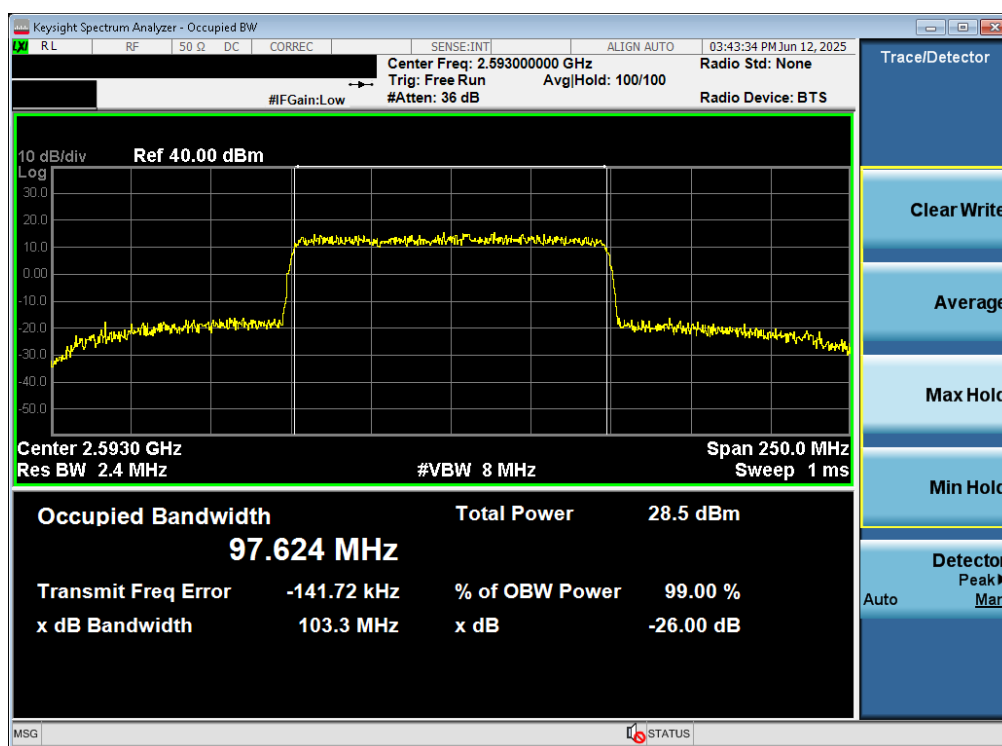
Plot 7-21. Occupied Bandwidth Plot (LTE Band 41(PC3) - 5MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 PC3 – Ant1

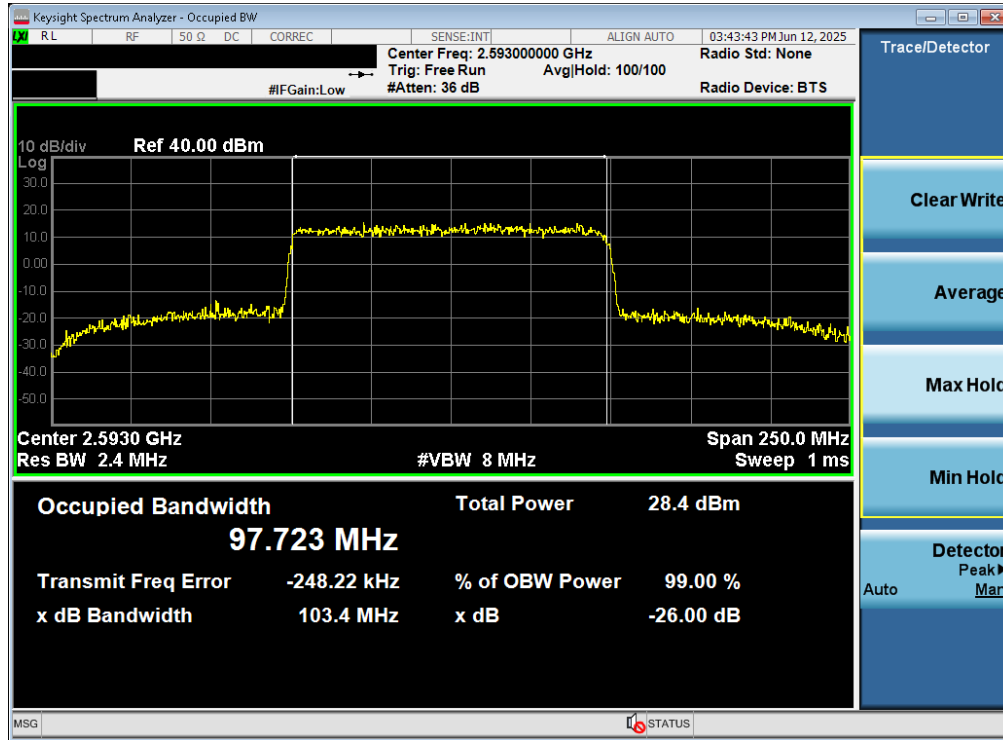


Plot 7-22. Occupied Bandwidth Plot (NR Band n41 - 100MHz $\pi/2$ BPSK - Full RB - Ant1)

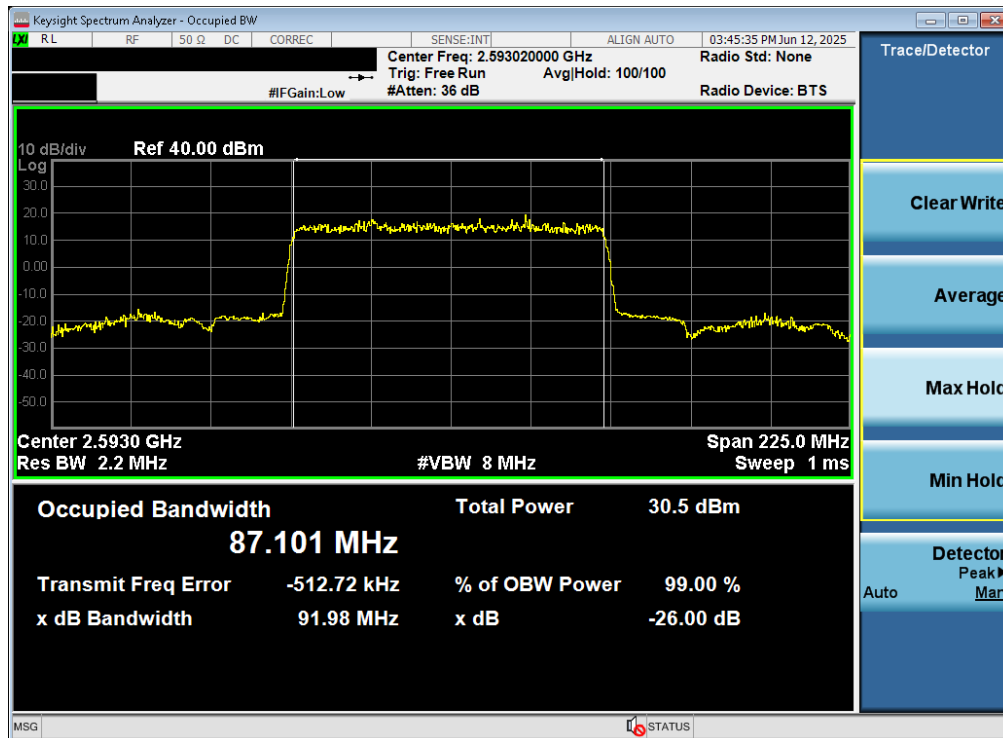


Plot 7-23. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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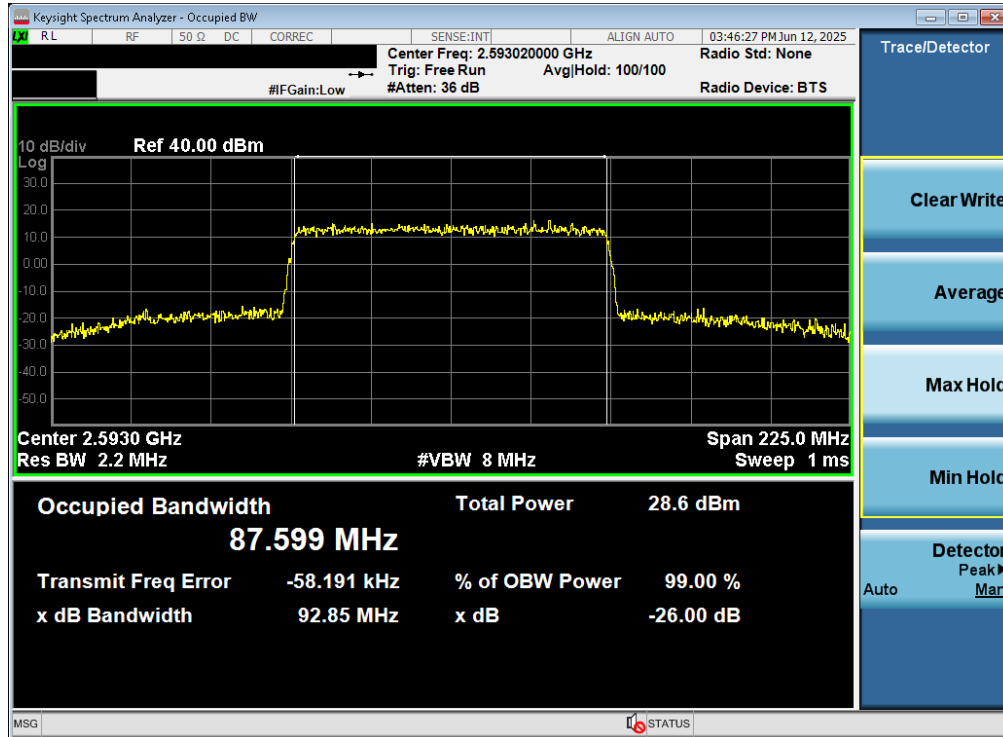


Plot 7-24. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB - Ant1)

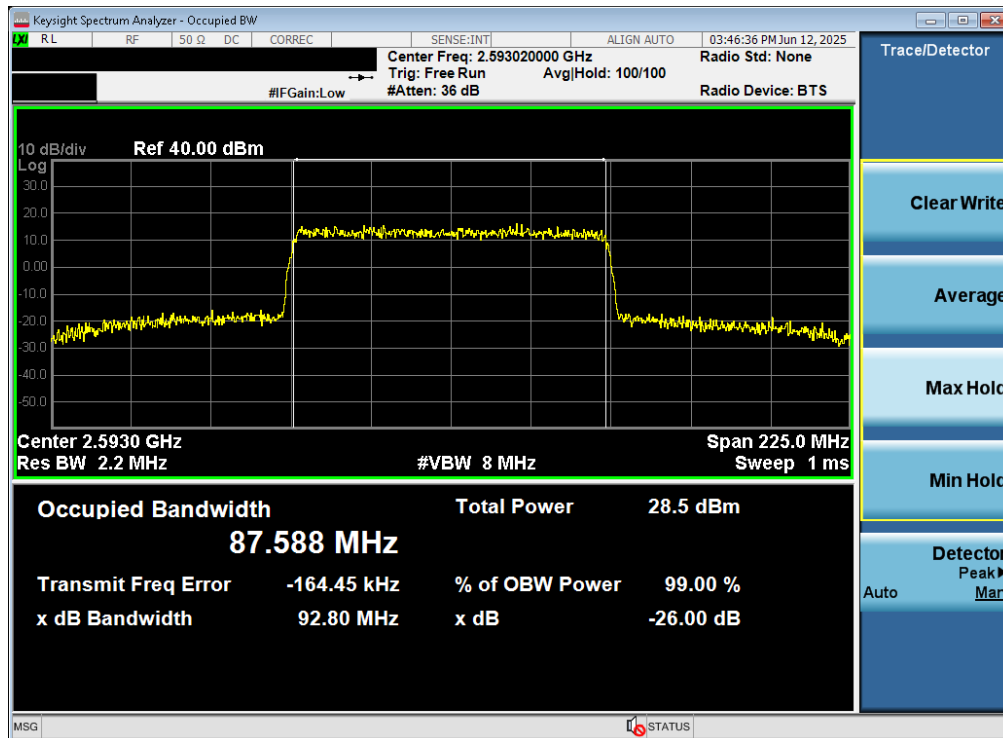


Plot 7-25. Occupied Bandwidth Plot (NR Band n41 - 90MHz $\pi/2$ BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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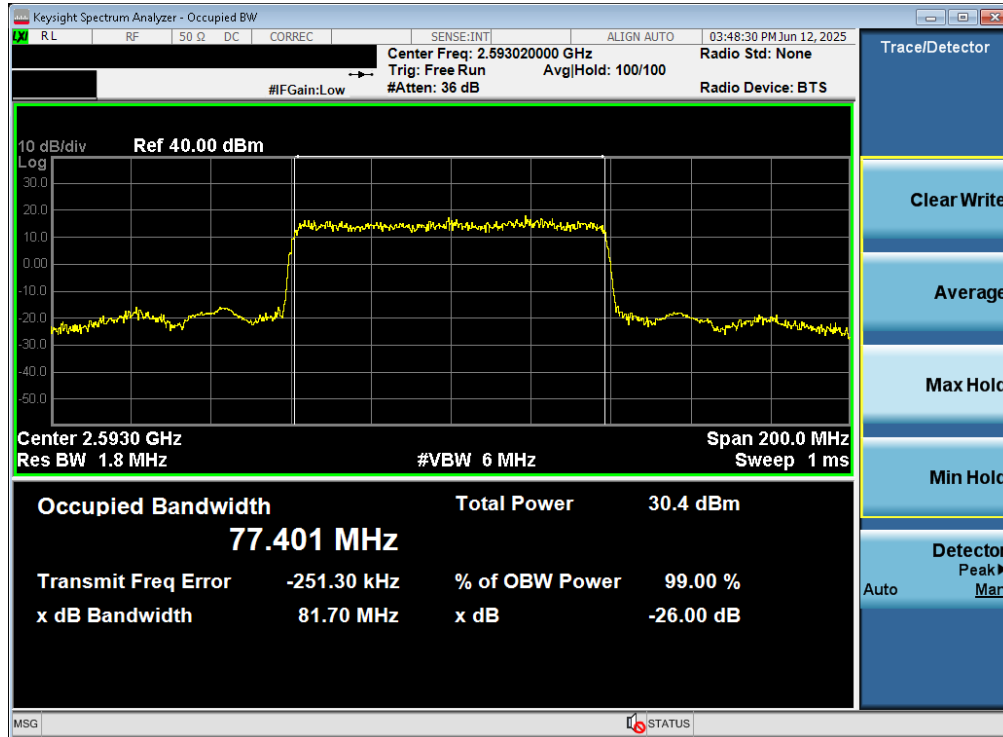


Plot 7-26. Occupied Bandwidth Plot (NR Band n41 - 90MHz QPSK - Full RB - Ant1)

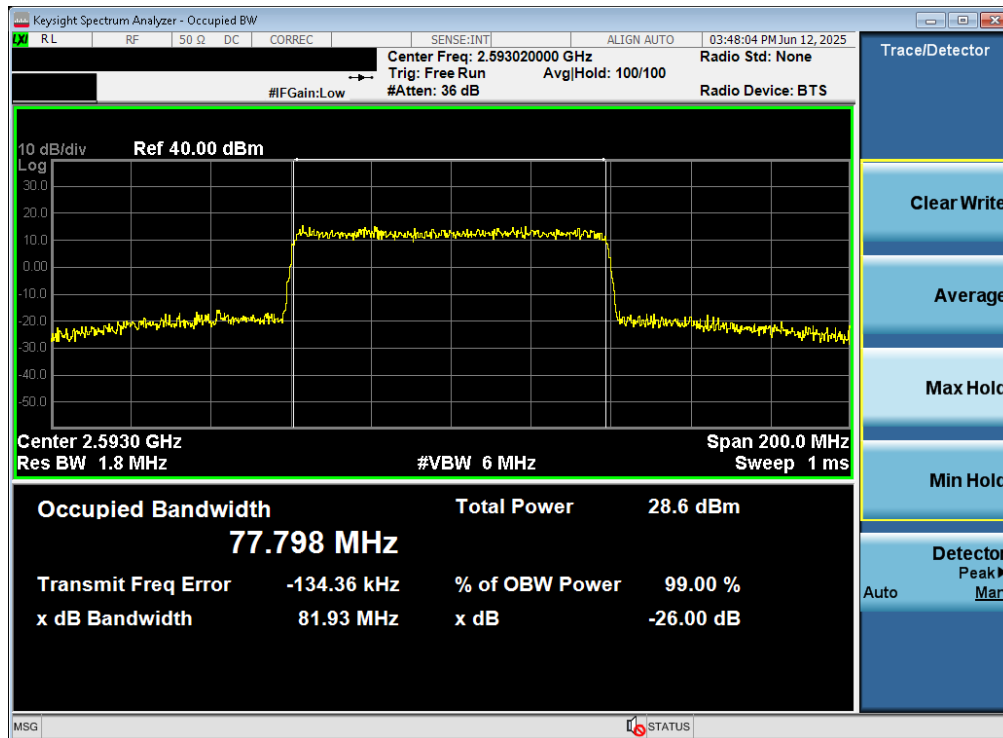


Plot 7-27. Occupied Bandwidth Plot (NR Band n41 - 90MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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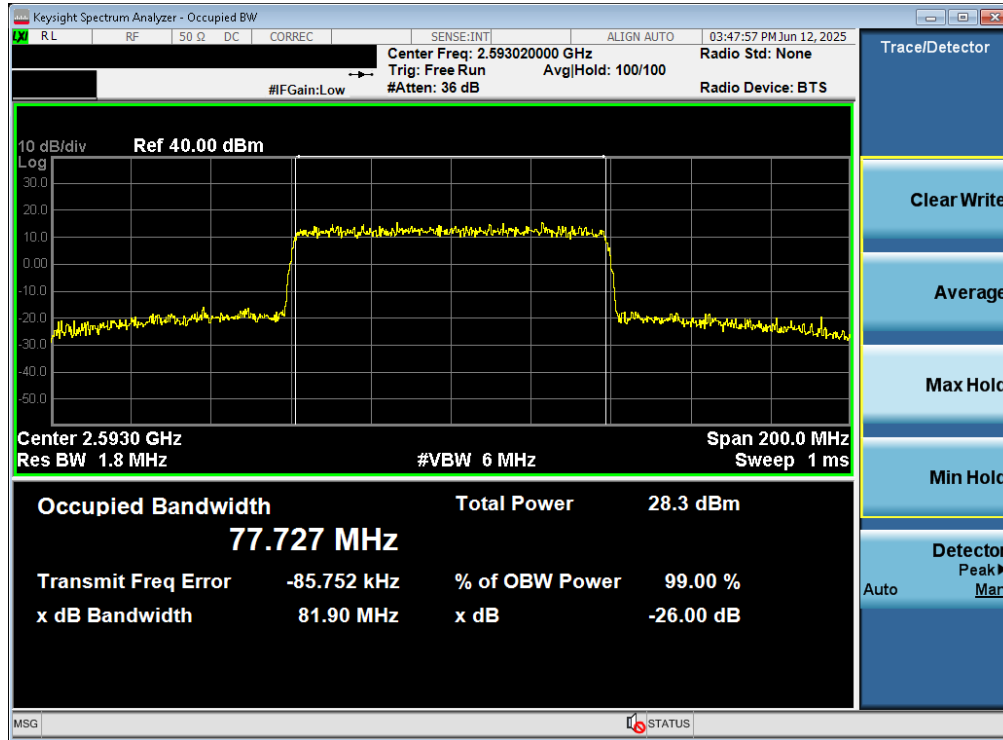


Plot 7-28. Occupied Bandwidth Plot (NR Band n41 - 80MHz $\pi/2$ BPSK - Full RB - Ant1)

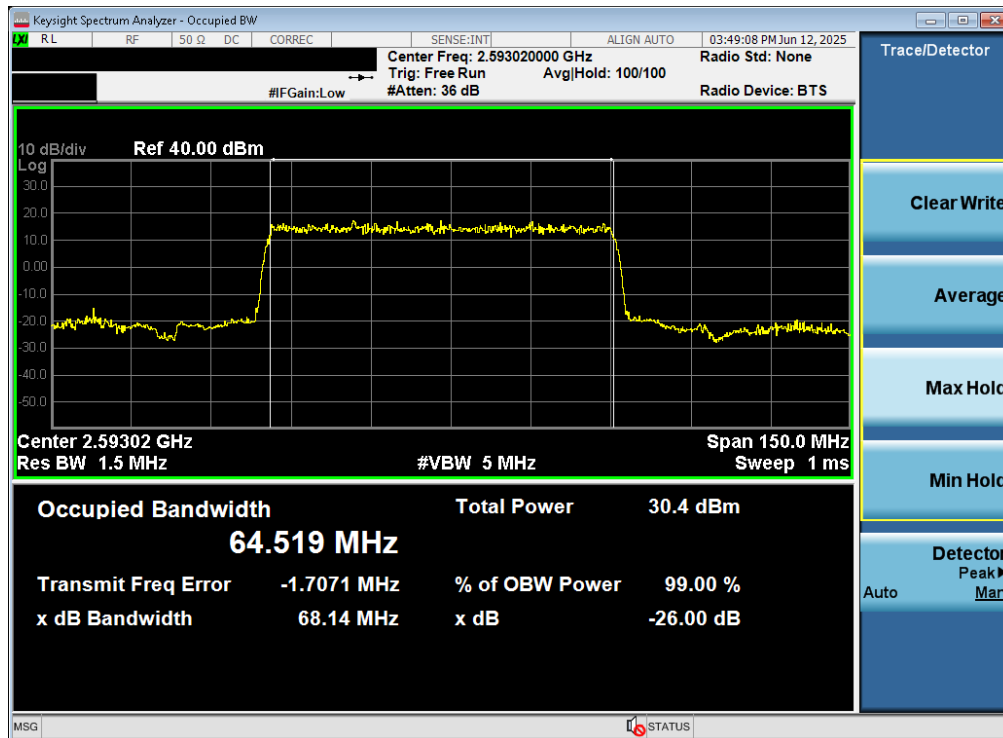


Plot 7-29. Occupied Bandwidth Plot (NR Band n41 - 80MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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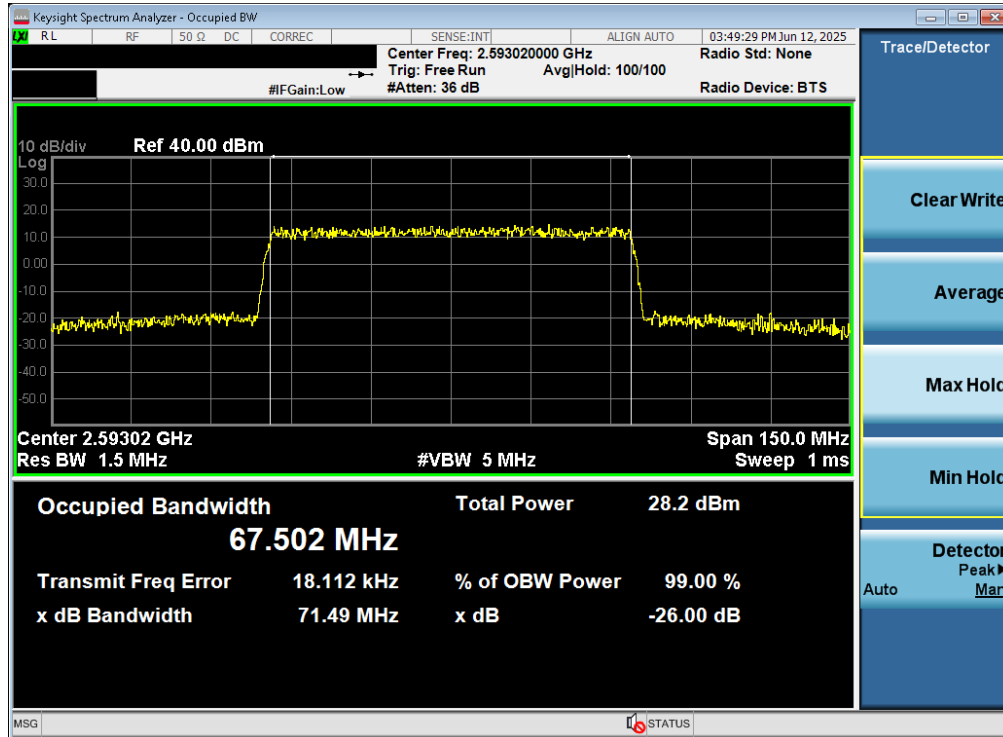


Plot 7-30. Occupied Bandwidth Plot (NR Band n41 - 80MHz 16-QAM - Full RB - Ant1)

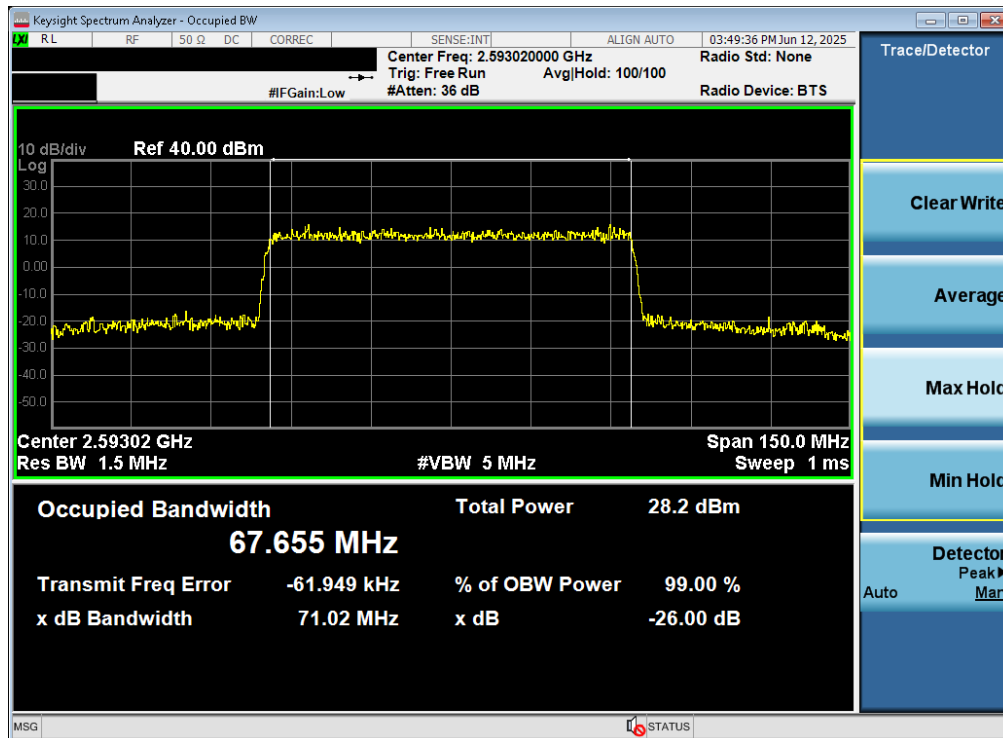


Plot 7-31. Occupied Bandwidth Plot (NR Band n41 - 70MHz $\pi/2$ BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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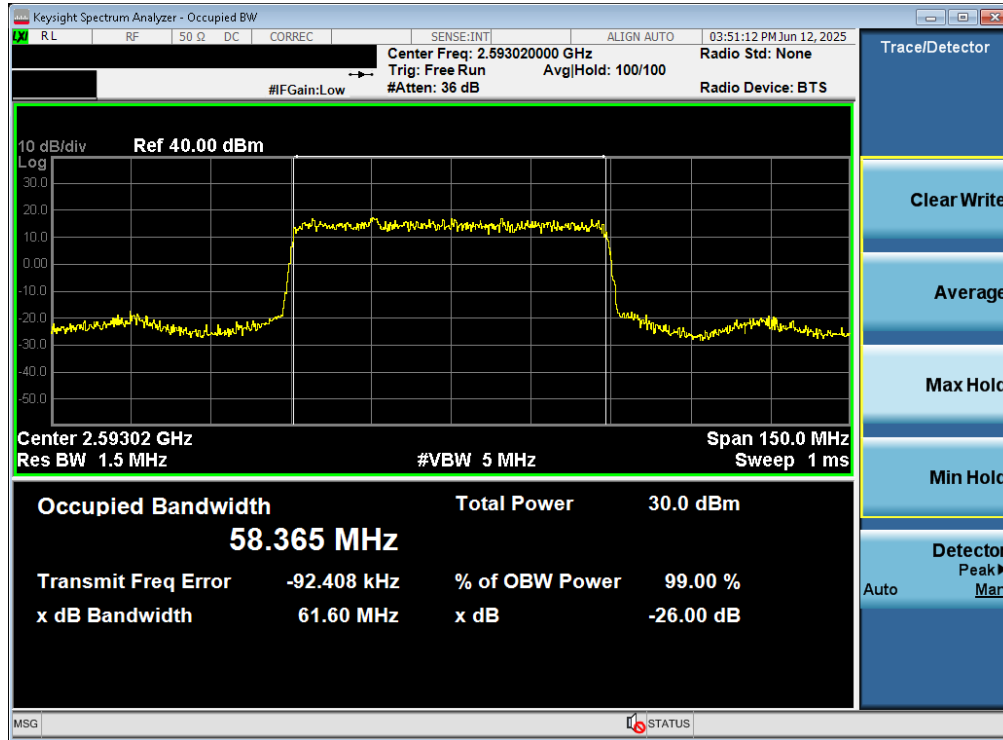


Plot 7-32. Occupied Bandwidth Plot (NR Band n41 - 70MHz QPSK - Full RB - Ant1)

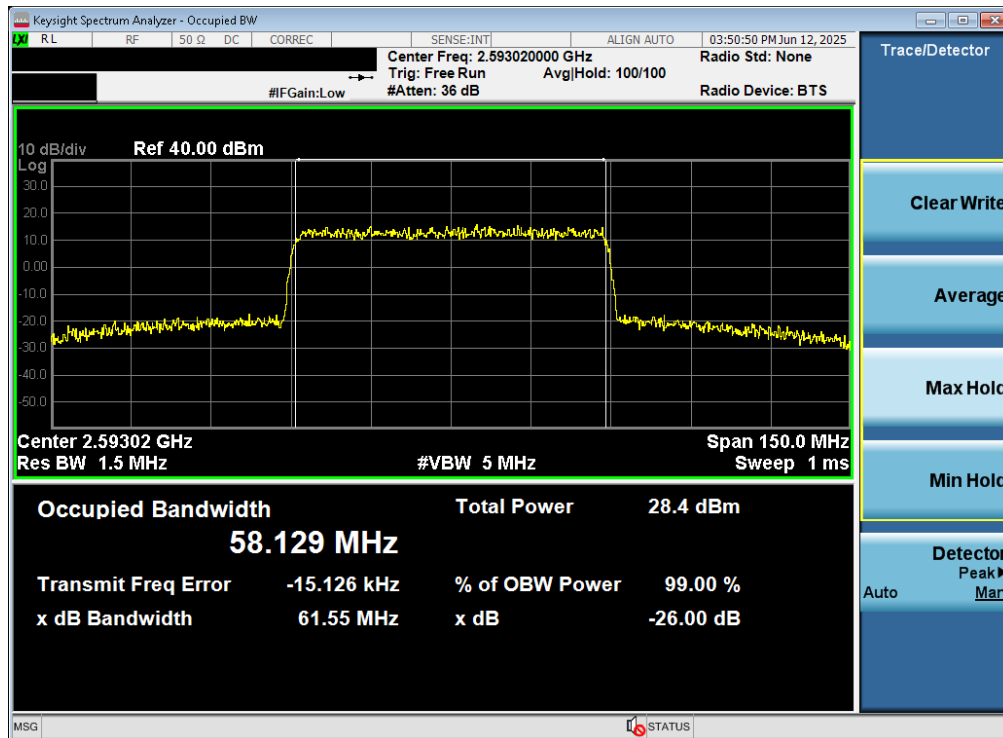


Plot 7-33. Occupied Bandwidth Plot (NR Band n41 - 70MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 31 of 127

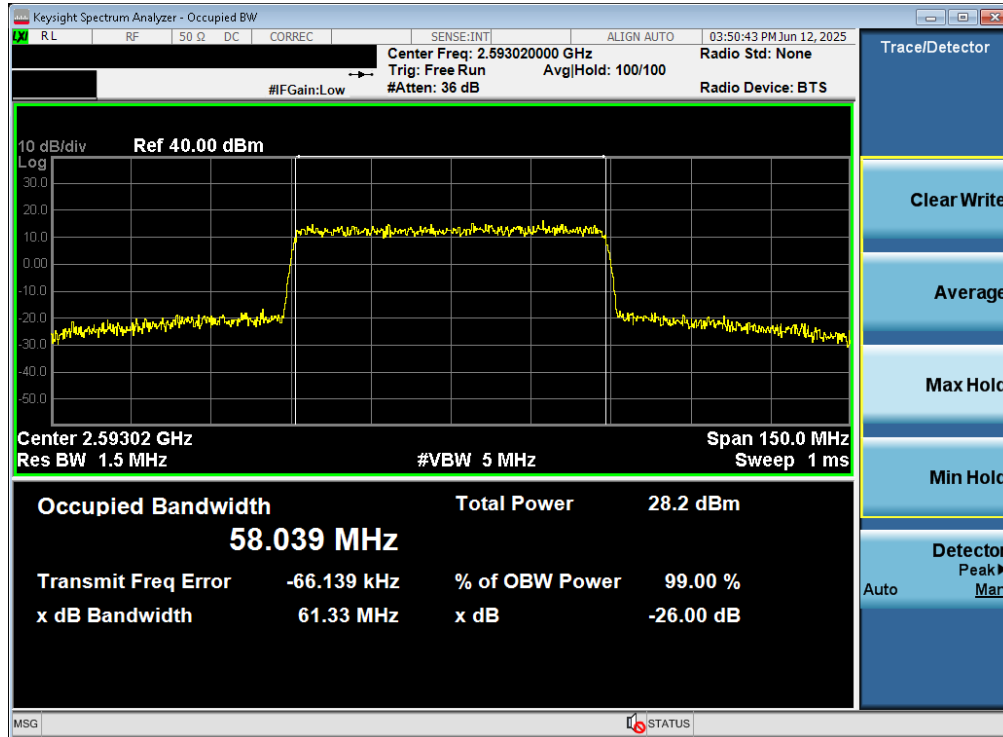


Plot 7-34. Occupied Bandwidth Plot (NR Band n41 - 60MHz $\pi/2$ BPSK - Full RB - Ant1)

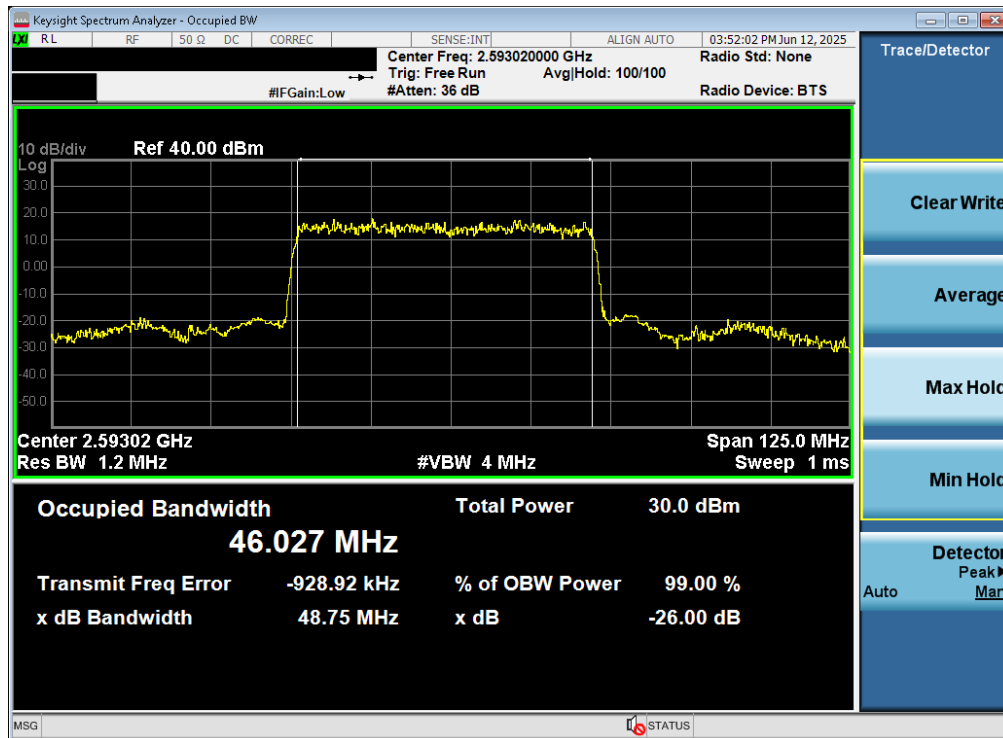


Plot 7-35. Occupied Bandwidth Plot (NR Band n41 - 60MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 32 of 127

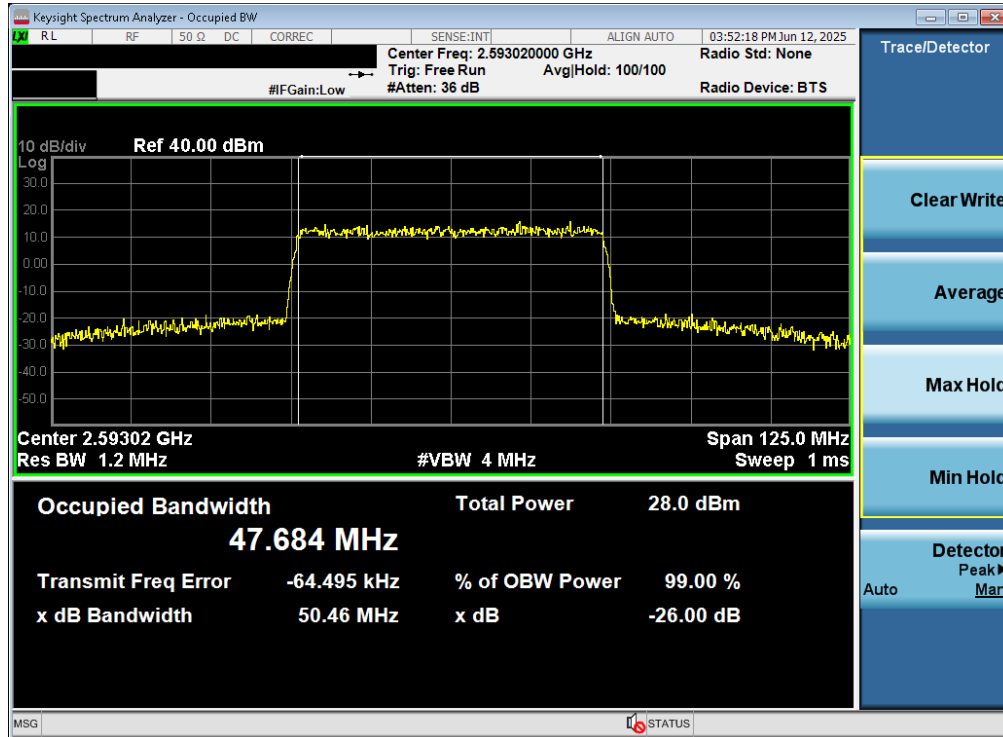


Plot 7-36. Occupied Bandwidth Plot (NR Band n41 - 60MHz 16-QAM - Full RB - Ant1)

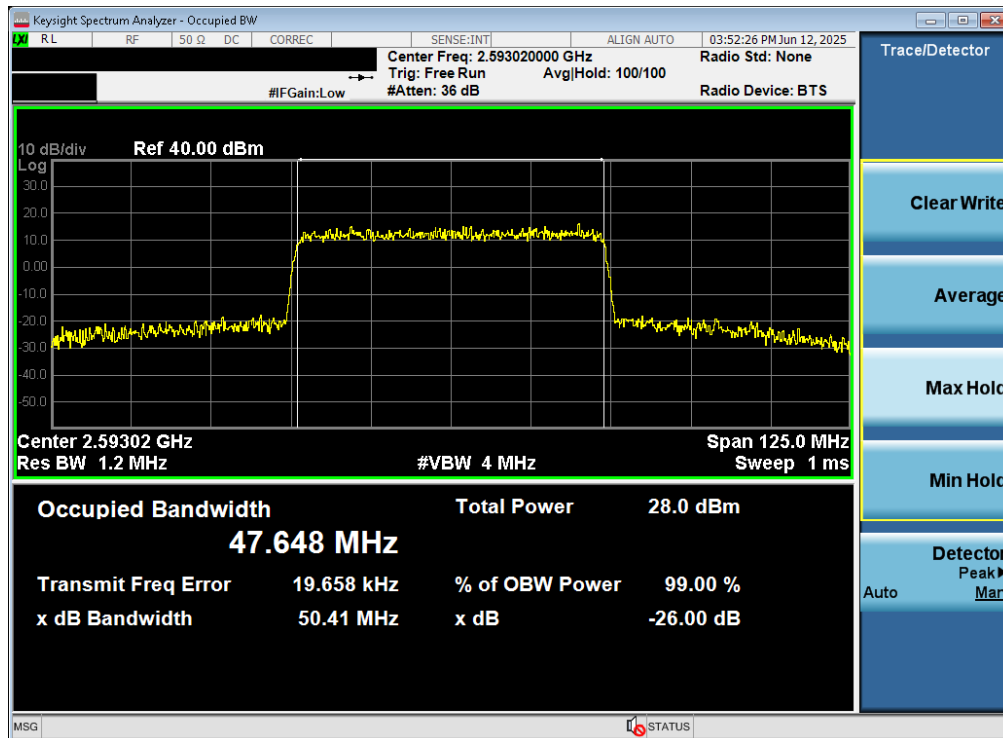


Plot 7-37. Occupied Bandwidth Plot (NR Band n41 - 50MHz $\pi/2$ BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 33 of 127

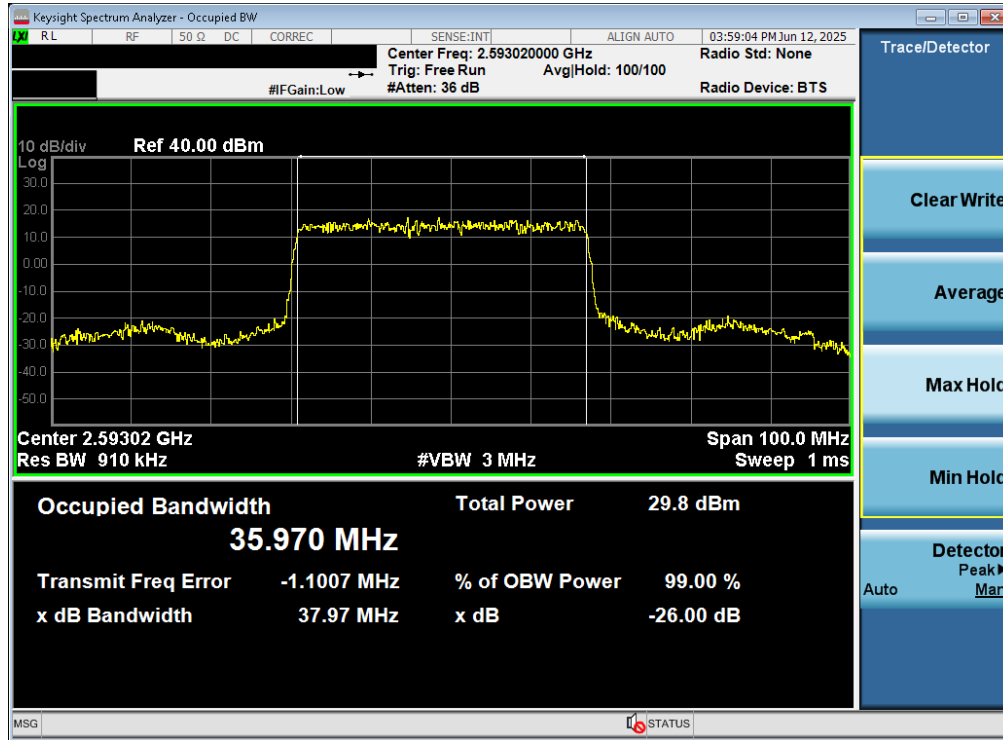


Plot 7-38. Occupied Bandwidth Plot (NR Band n41 - 50MHz QPSK - Full RB - Ant1)

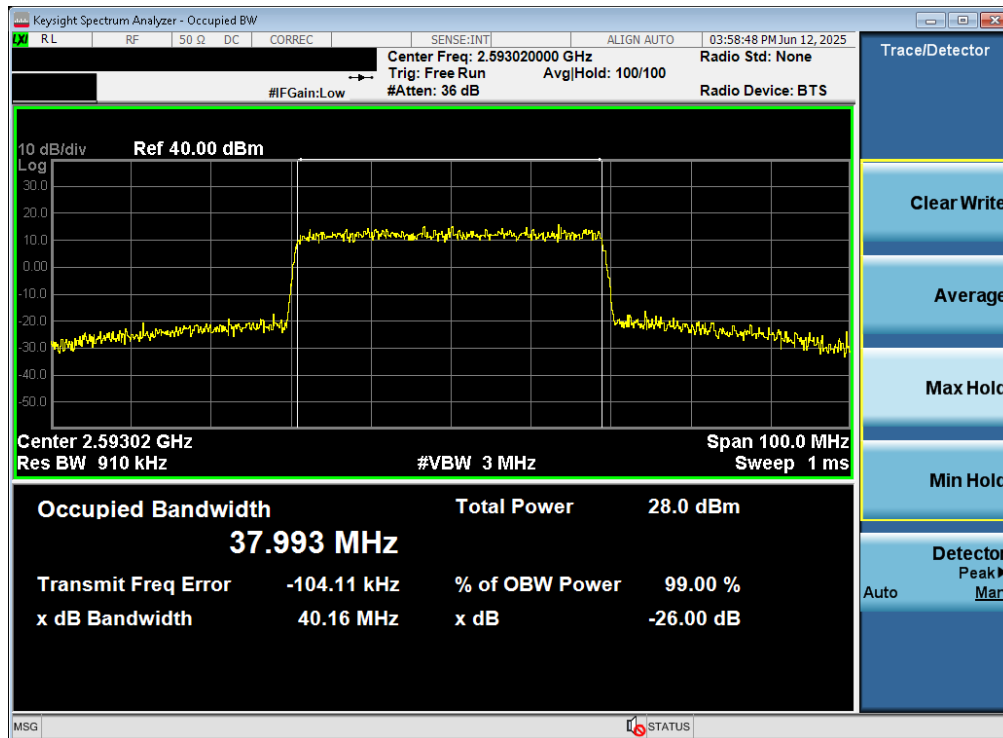


Plot 7-39. Occupied Bandwidth Plot (NR Band n41 - 50MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 34 of 127

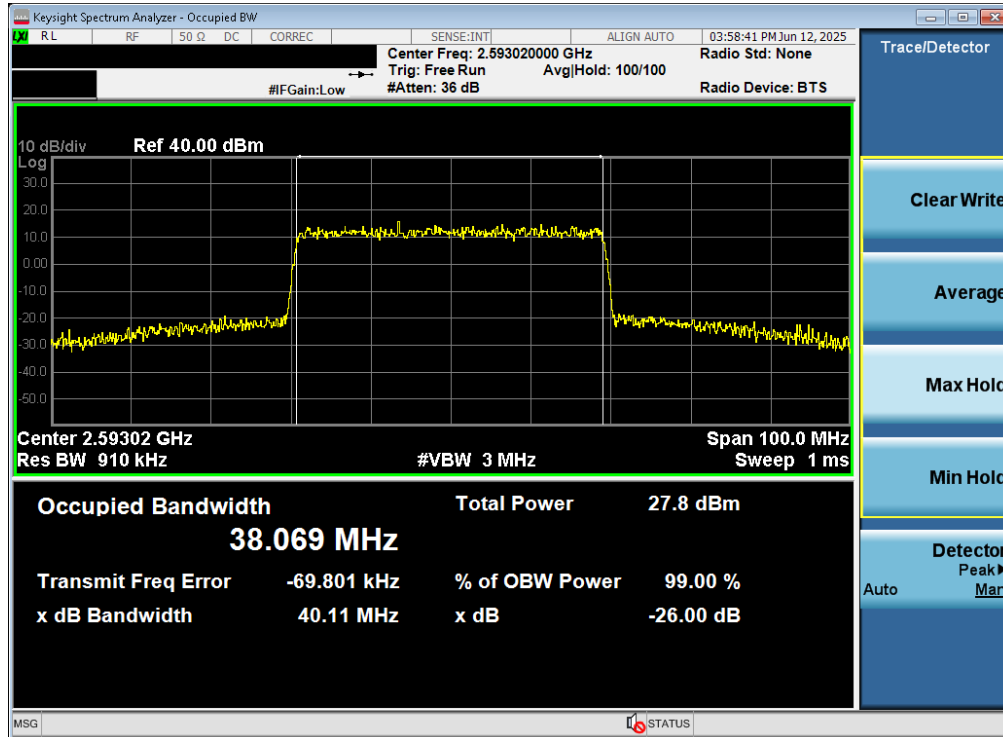


Plot 7-40. Occupied Bandwidth Plot (NR Band n41 - 40MHz $\pi/2$ BPSK - Full RB - Ant1)

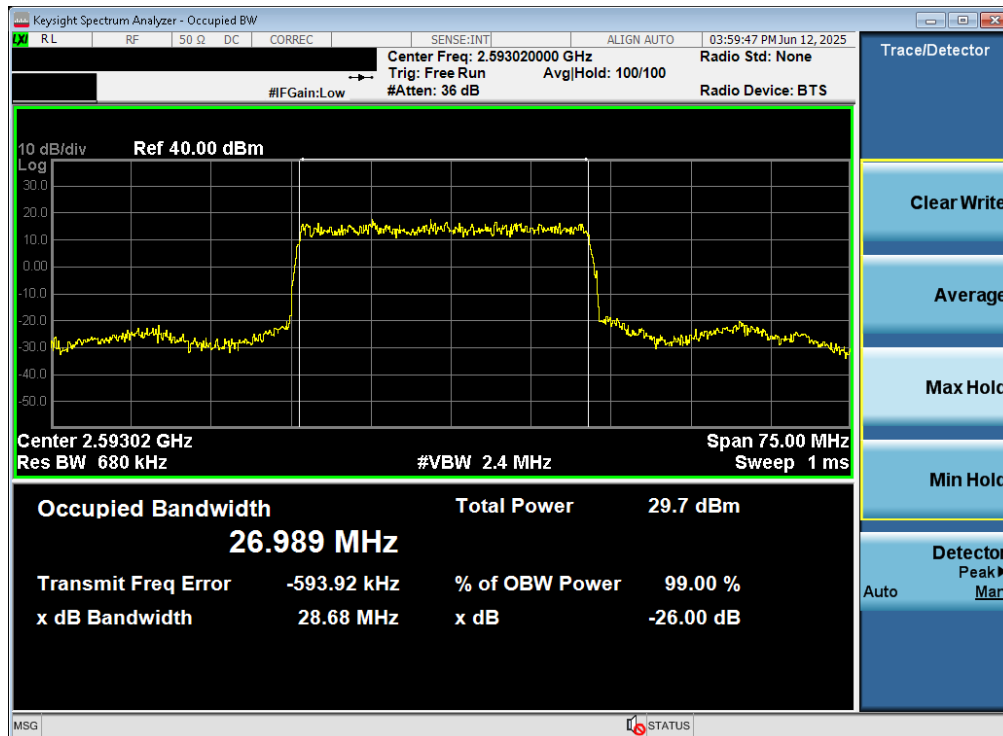


Plot 7-41. Occupied Bandwidth Plot (NR Band n41 - 40MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 35 of 127

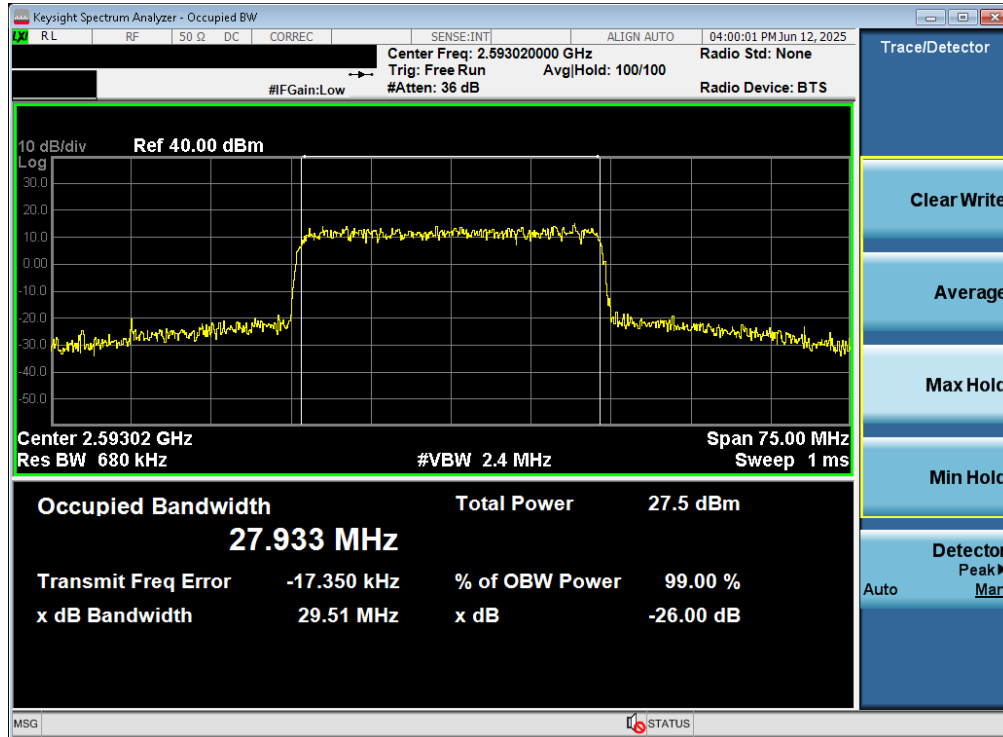


Plot 7-42. Occupied Bandwidth Plot (NR Band n41 - 40MHz 16-QAM - Full RB - Ant1)

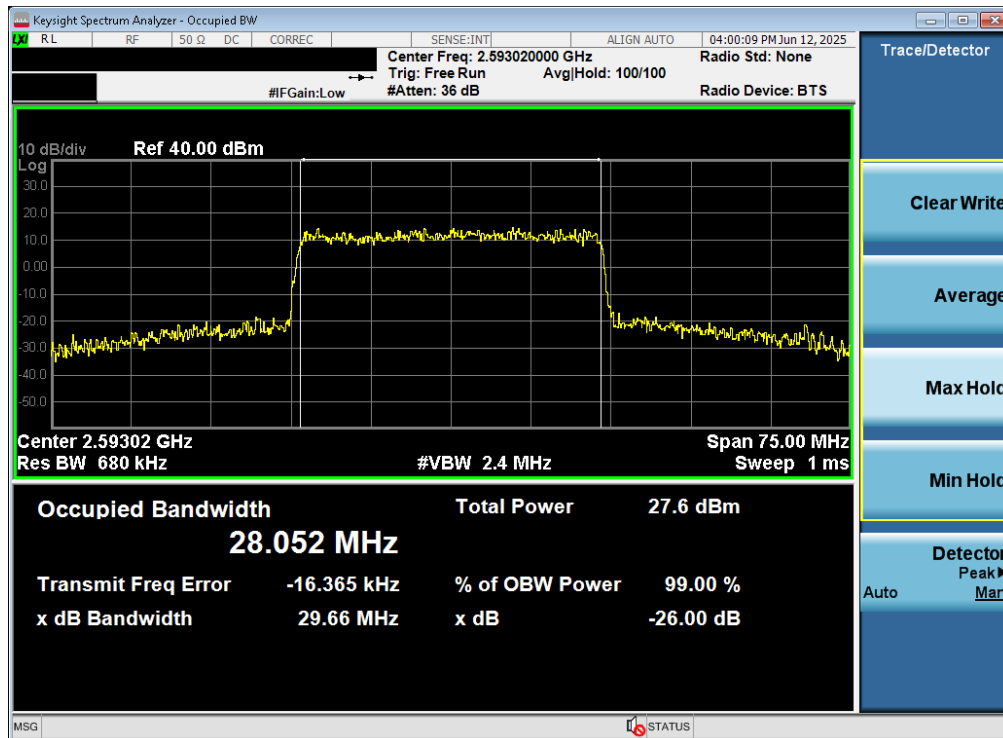


Plot 7-43. Occupied Bandwidth Plot (NR Band n41 - 30MHz $\pi/2$ BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 36 of 127

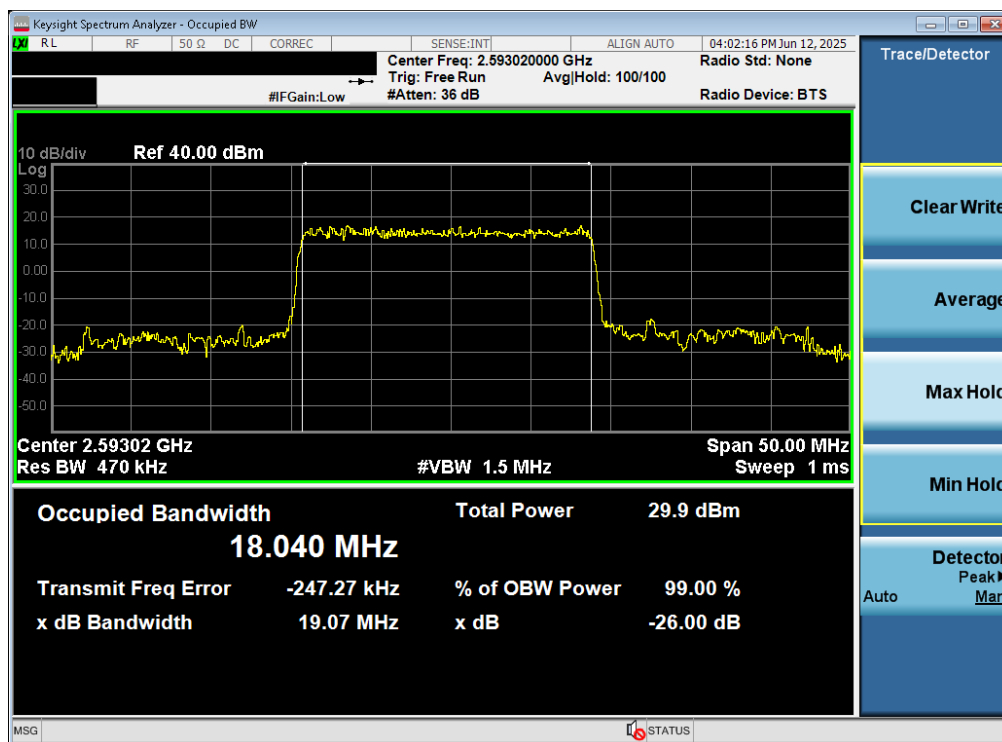


Plot 7-44. Occupied Bandwidth Plot (NR Band n41 - 30MHz QPSK - Full RB - Ant1)

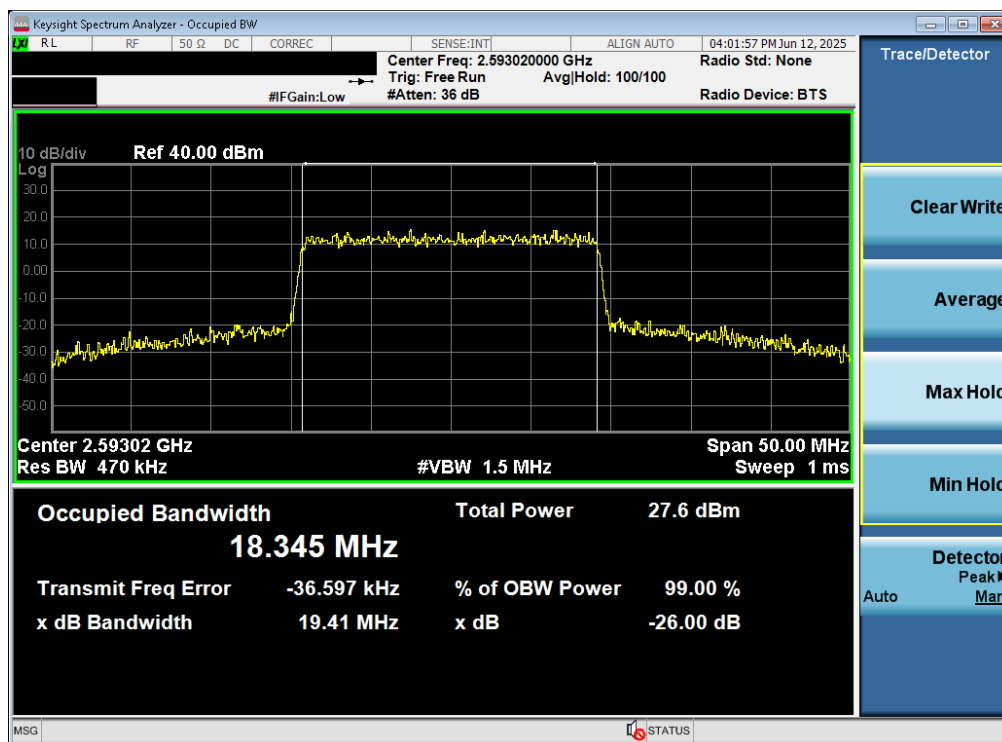


Plot 7-45. Occupied Bandwidth Plot (NR Band n41 - 30MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 37 of 127

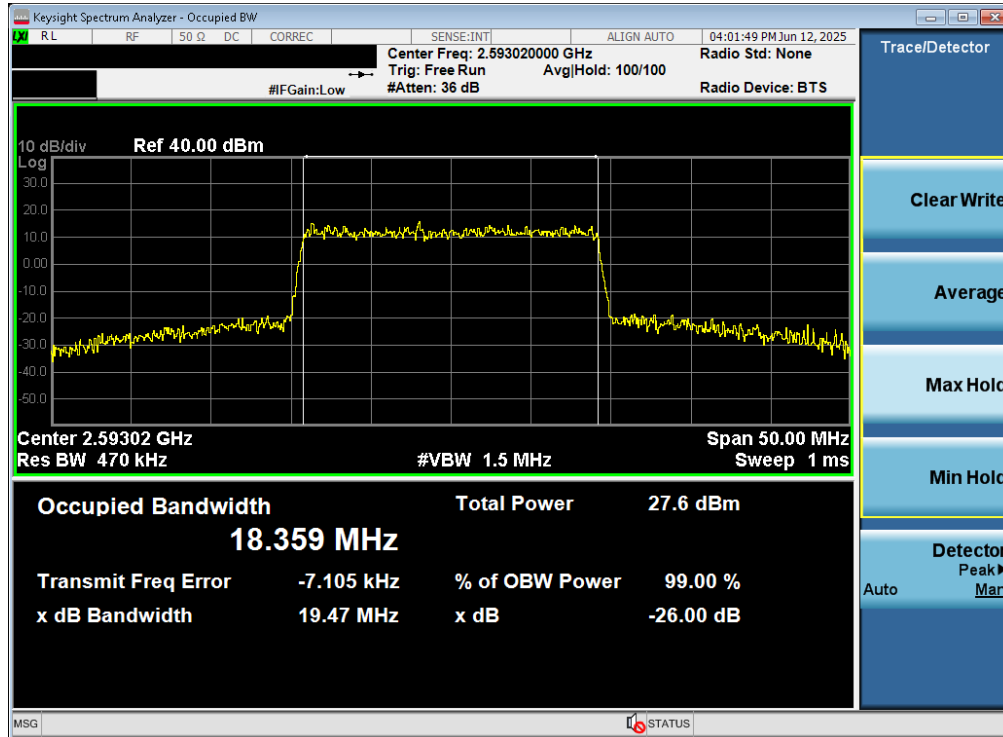


Plot 7-46. Occupied Bandwidth Plot (NR Band n41 - 20MHz $\pi/2$ BPSK - Full RB - Ant1)

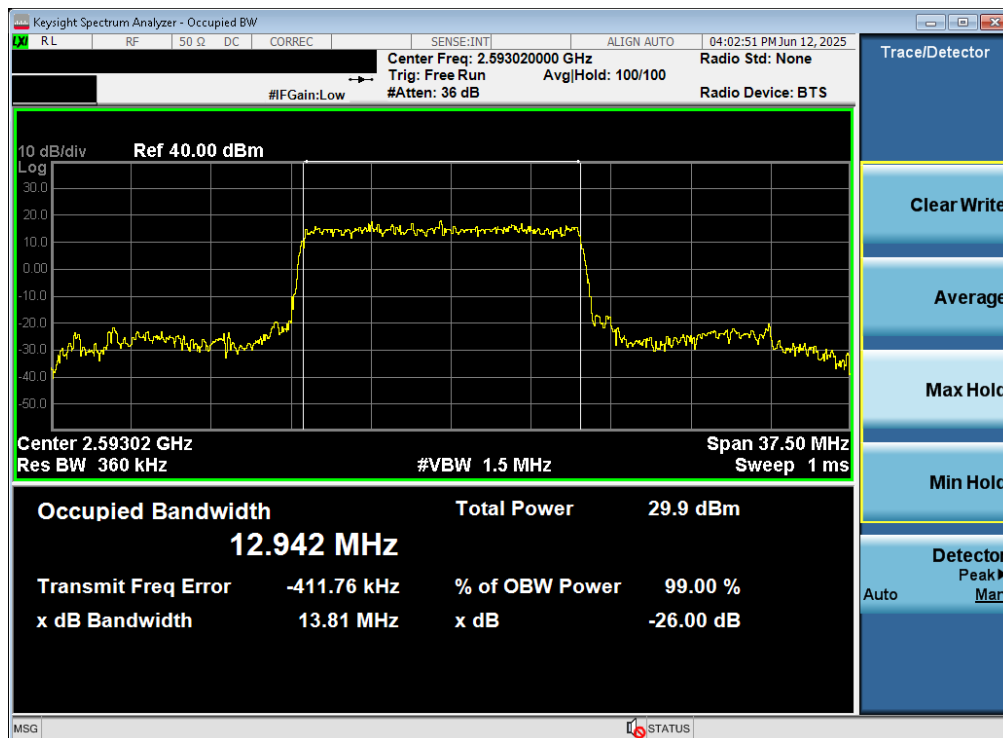


Plot 7-47. Occupied Bandwidth Plot (NR Band n41 - 20MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 38 of 127

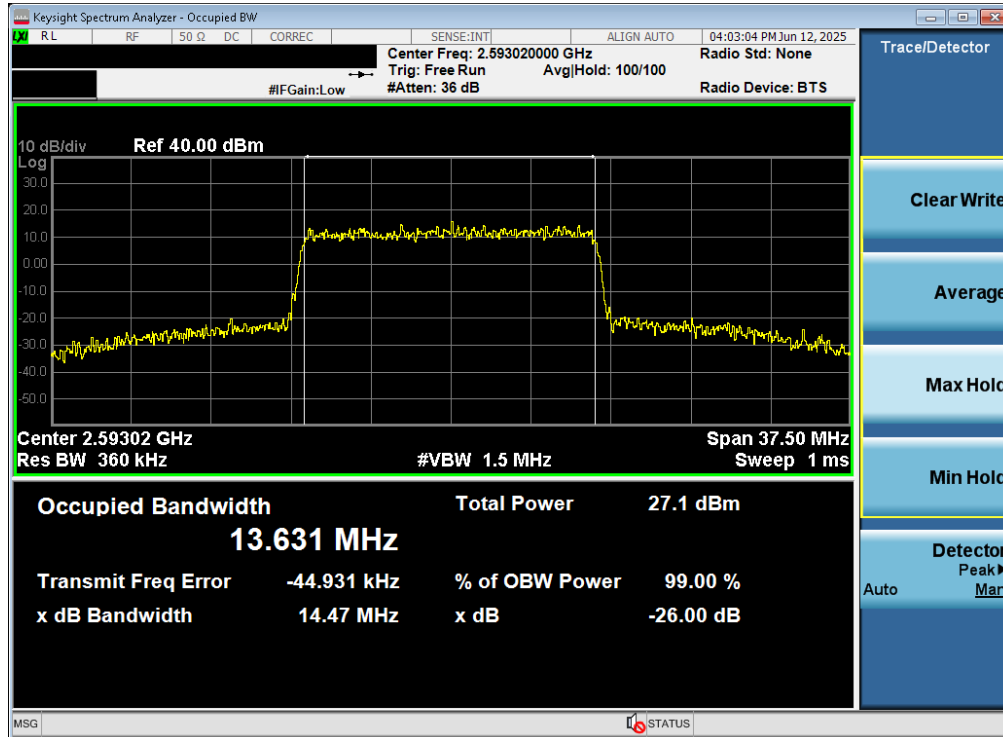


Plot 7-48. Occupied Bandwidth Plot (NR Band n41 - 20MHz 16-QAM - Full RB - Ant1)

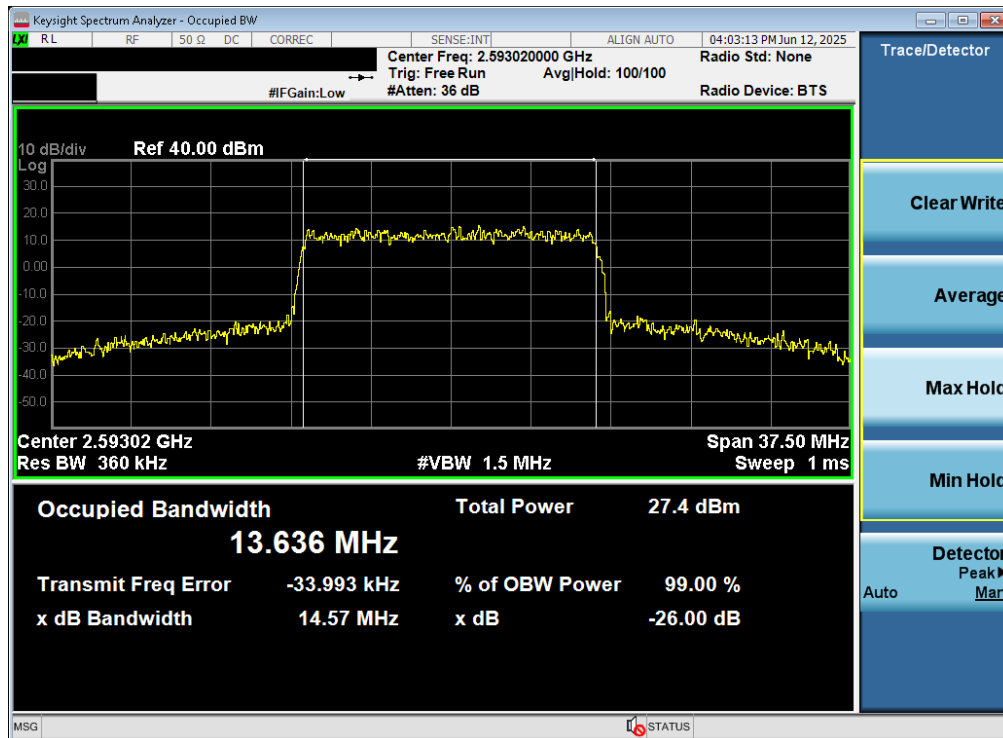


Plot 7-49. Occupied Bandwidth Plot (NR Band n41 - 15MHz $\pi/2$ BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 39 of 127

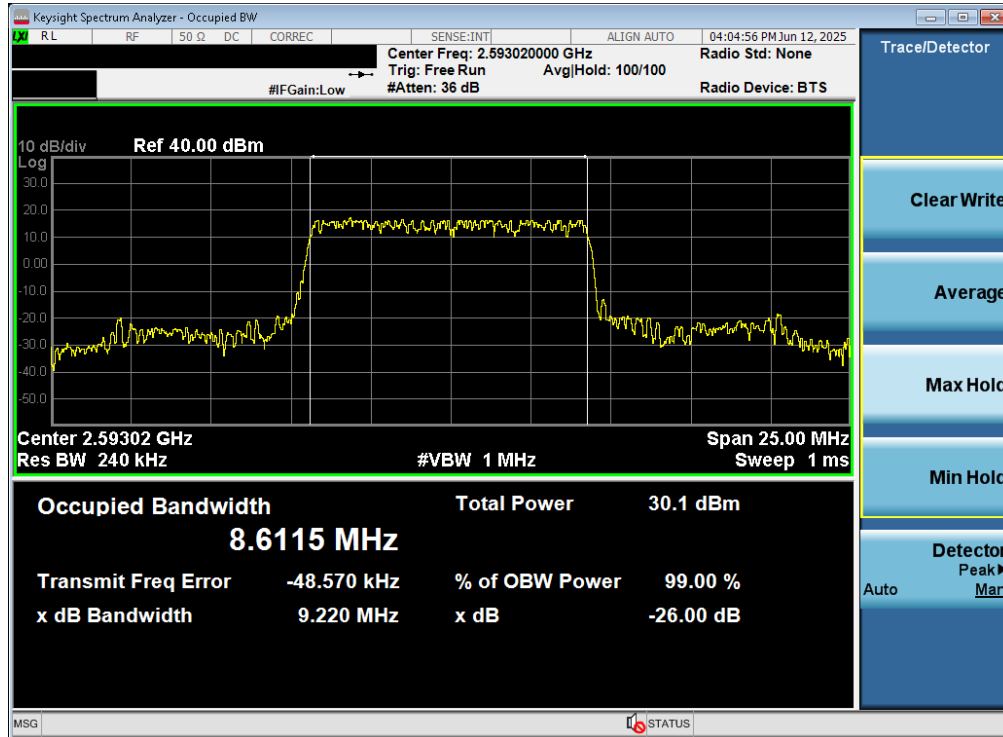


Plot 7-50. Occupied Bandwidth Plot (NR Band n41 - 15MHz QPSK - Full RB - Ant1)

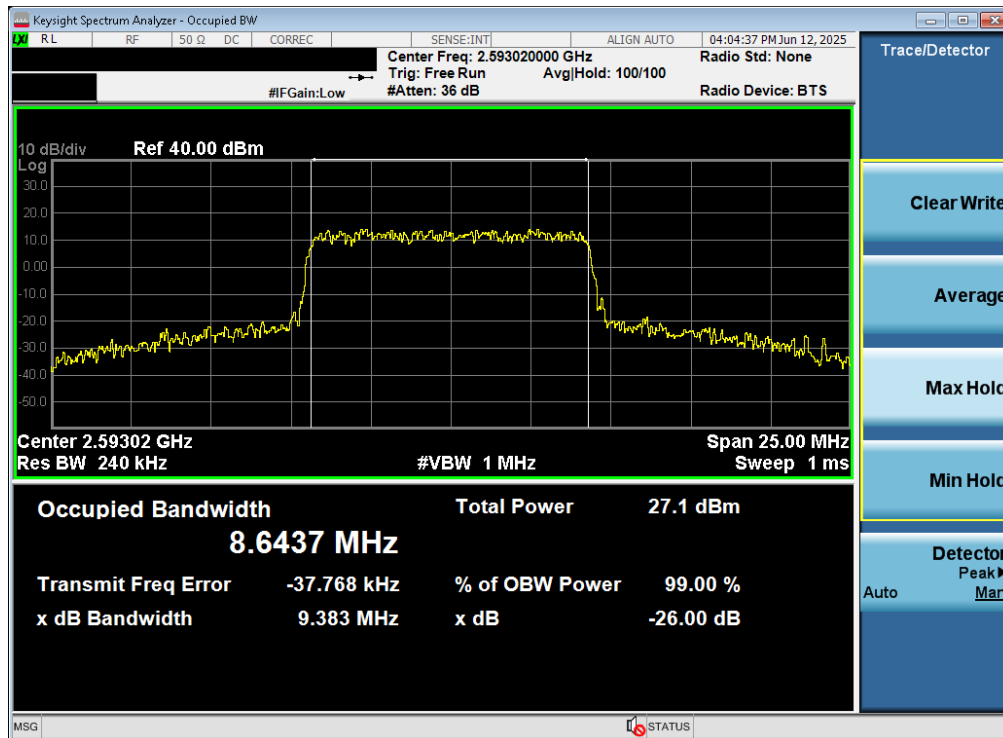


Plot 7-51. Occupied Bandwidth Plot (NR Band n41 - 15MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 40 of 127

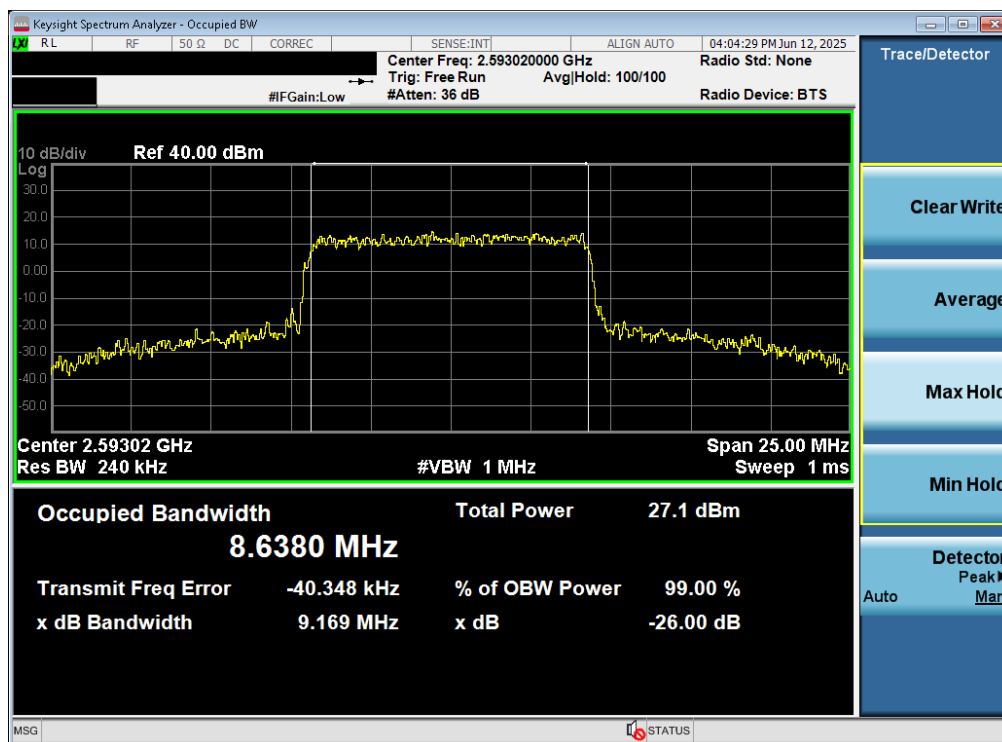


Plot 7-52. Occupied Bandwidth Plot (NR Band n41 - 10MHz $\pi/2$ BPSK - Full RB - Ant1)



Plot 7-53. Occupied Bandwidth Plot (NR Band n41 - 10MHz QPSK - Full RB - Ant1)

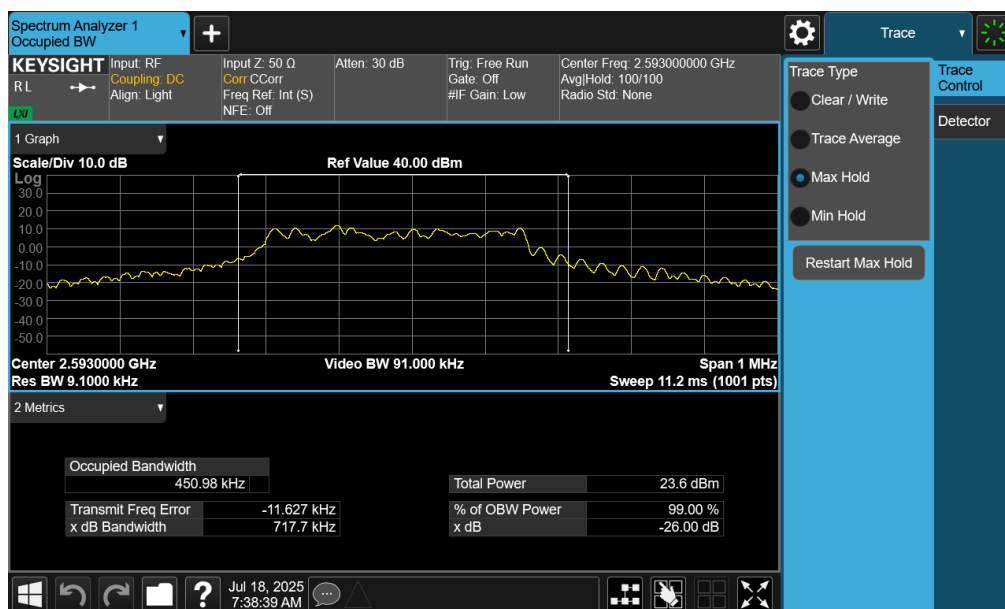
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 41 of 127



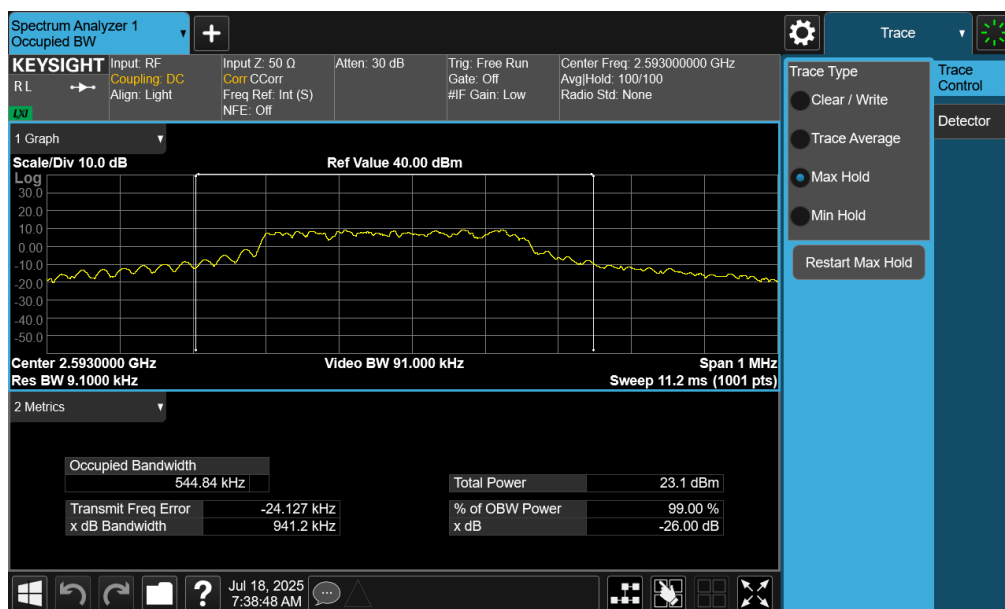
Plot 7-54. Occupied Bandwidth Plot (NR Band n41 - 10MHz 16-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 42 of 127

NR Band n41 PC3 – Ant2

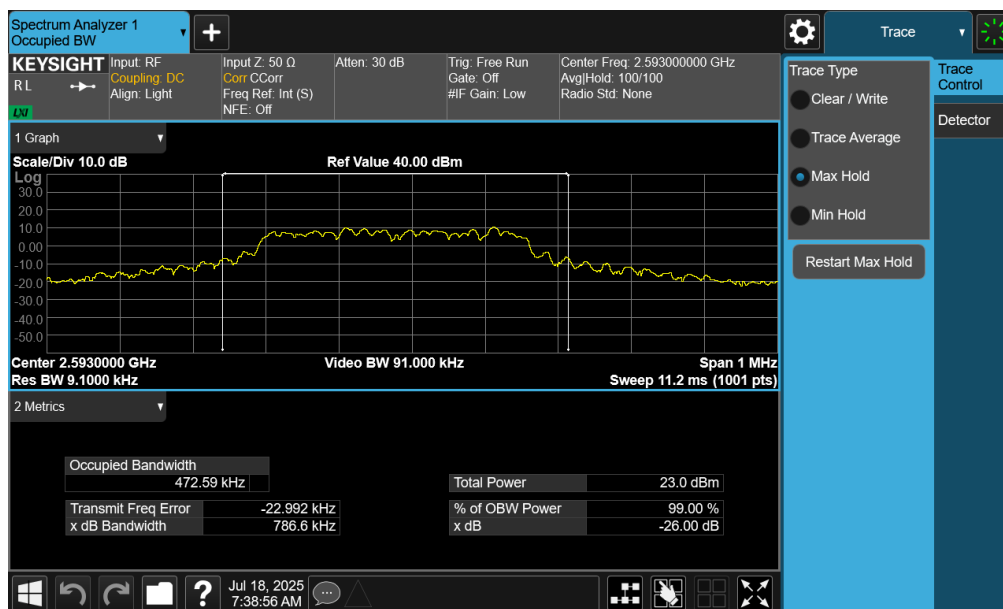


Plot 7-55. Occupied Bandwidth Plot (NR Band n41 - 100MHz $\pi/2$ BPSK - 1 RB - Ant2)



Plot 7-56. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - 1 RB - Ant2)

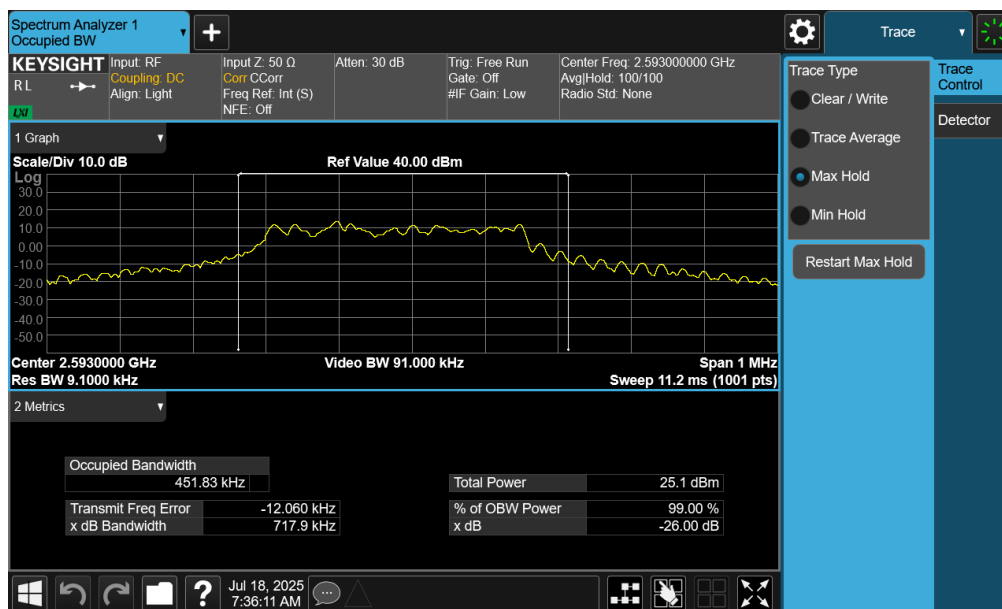
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 43 of 127



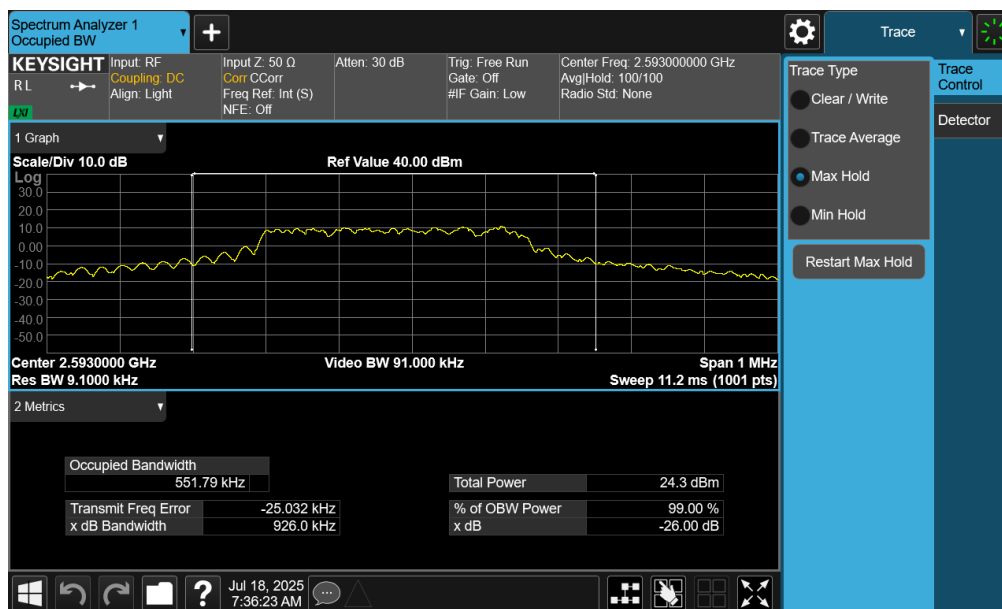
Plot 7-57. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - 1 RB - Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 44 of 127

NR Band n41 PC3 – Ant3

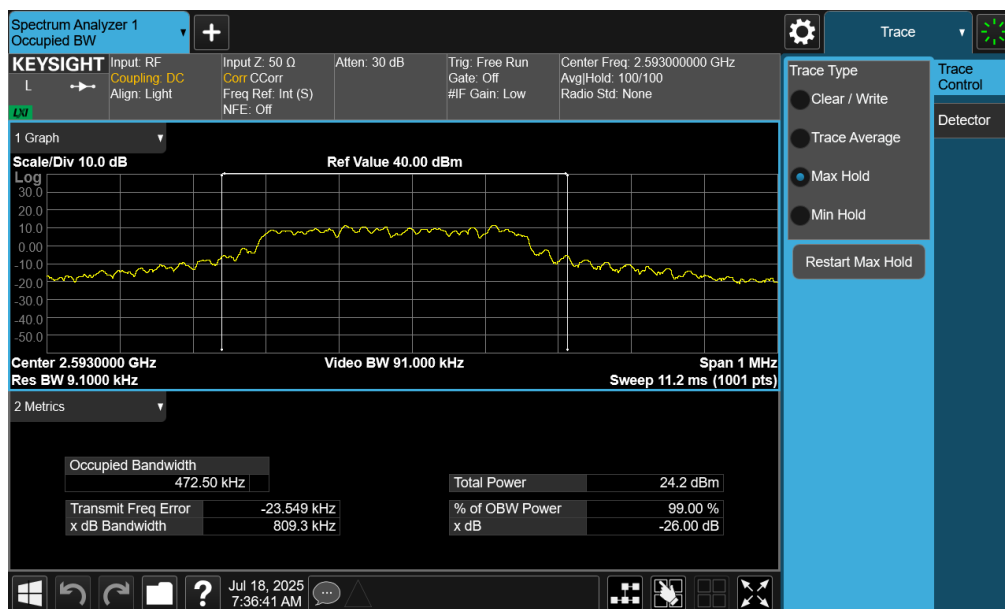


Plot 7-58. Occupied Bandwidth Plot (NR Band n41 - 100MHz $\pi/2$ BPSK - 1 RB - Ant3)



Plot 7-59. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - 1 RB - Ant3)

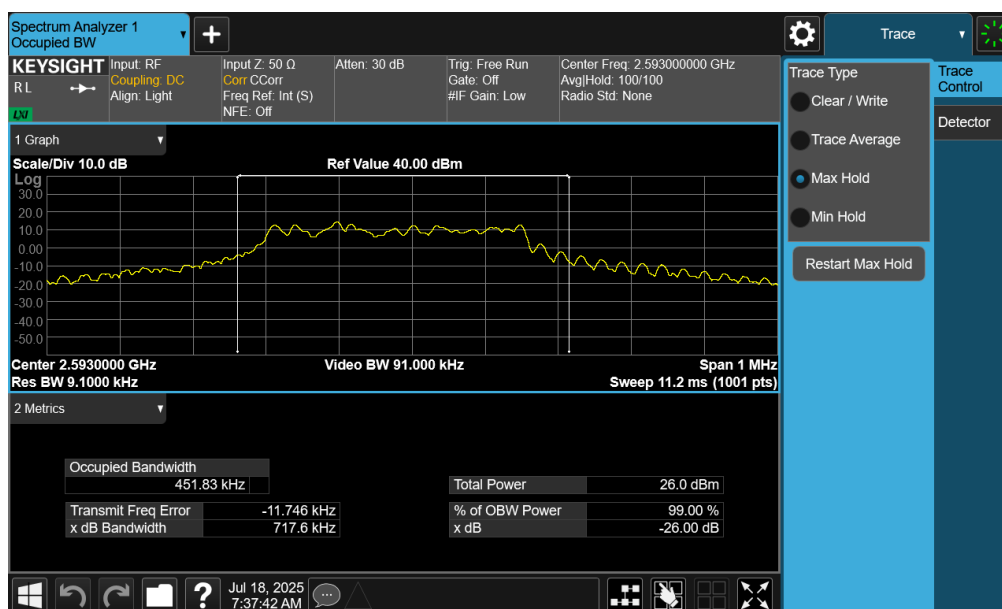
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 45 of 127



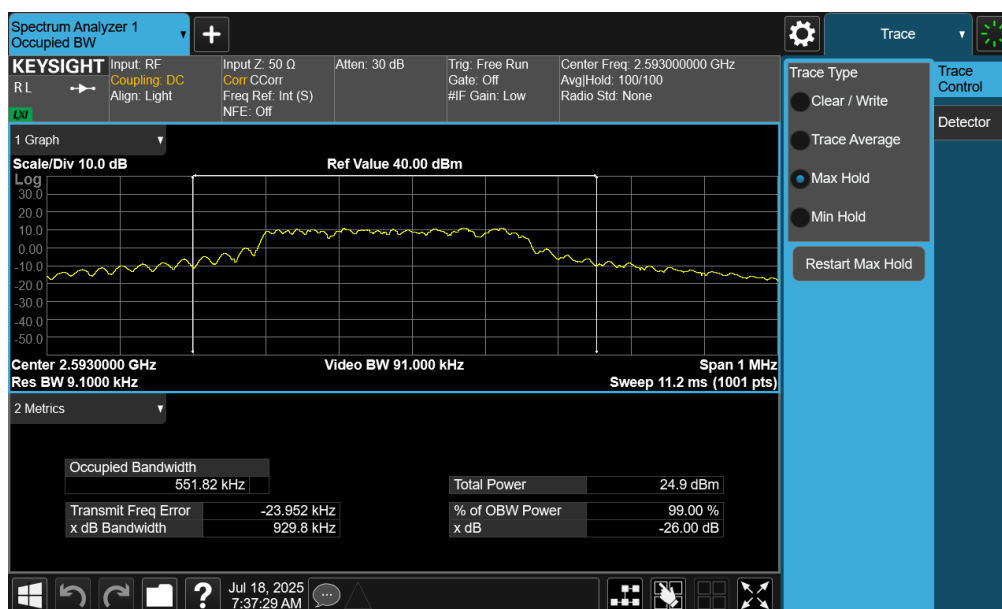
Plot 7-60. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - 1 RB - Ant3)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 46 of 127

NR Band n41 PC3 – Ant4

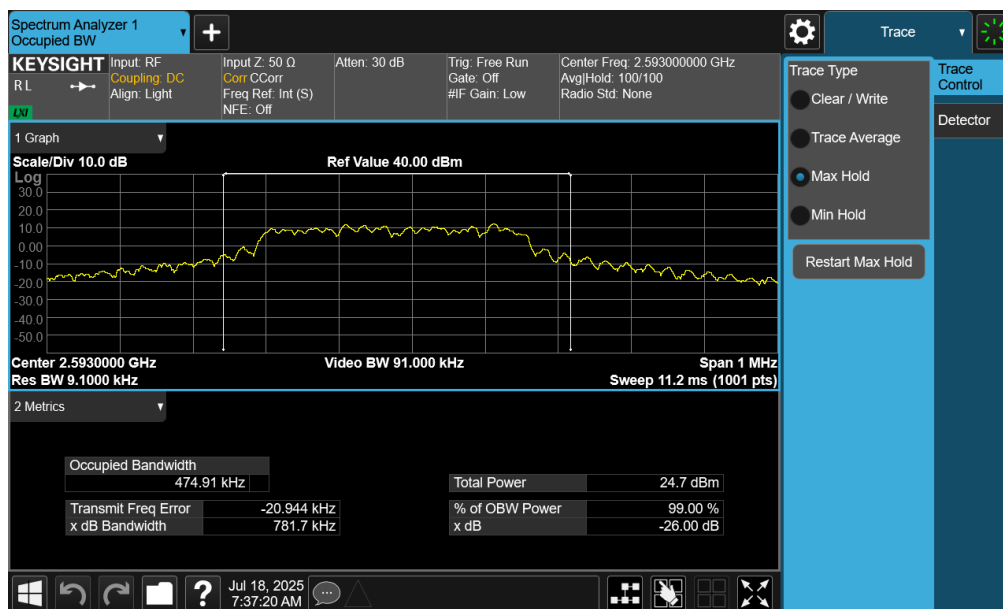


Plot 7-61. Occupied Bandwidth Plot (NR Band n41 - 100MHz $\pi/2$ BPSK - 1 RB - Ant4)



Plot 7-62. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - 1 RB - Ant4)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-63. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - 1 RB - Ant4)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.4 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

For Band 41, the minimum permissible attenuation level of any spurious emission is $55 + 10 \log_{10}(P_{[Watts]})$.

Test Procedure Used

ANSI C63.26-2015 – Section 5.7.4

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 10GHz (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

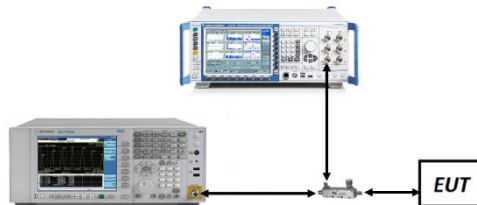


Figure 7-3. Test Instrument & Measurement Setup

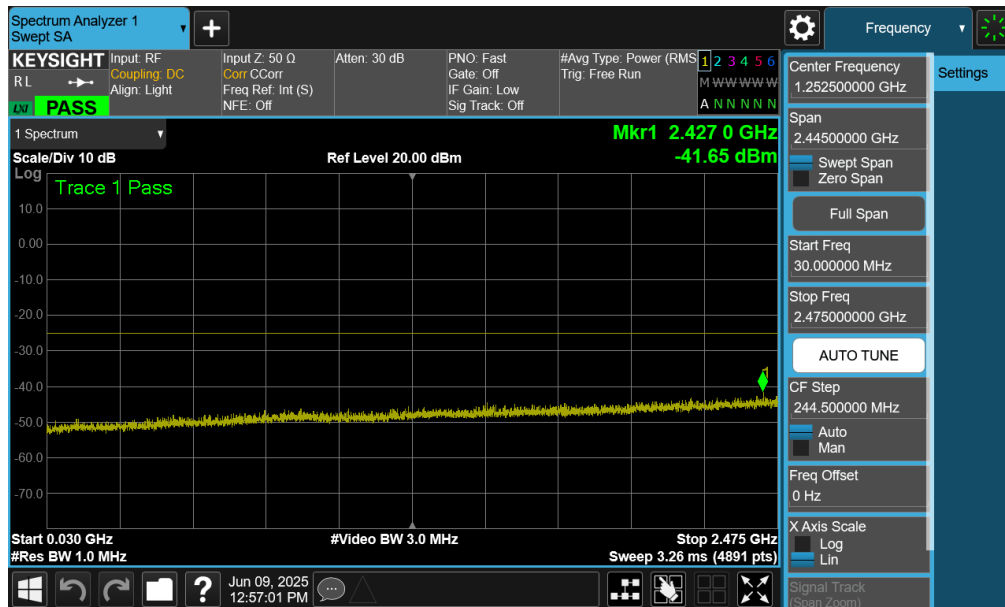
Test Notes

1. Per Part 27, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

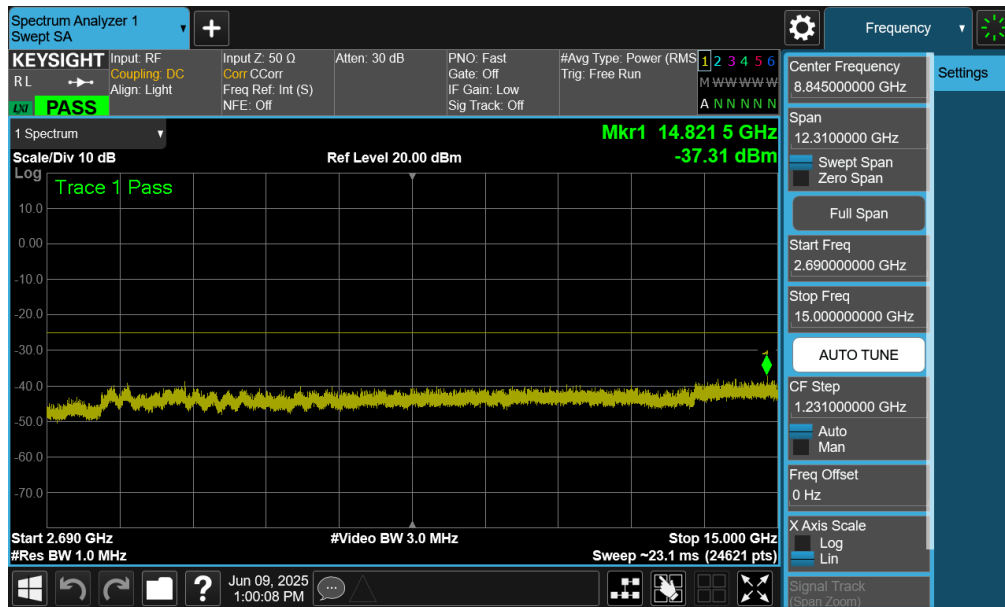
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC2) – Ant1

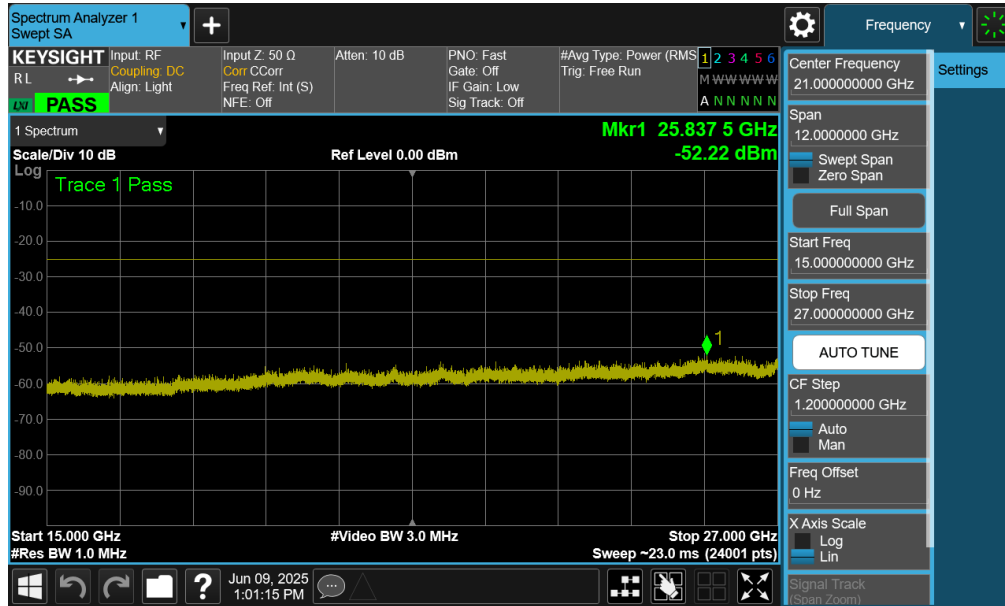


Plot 7-64. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

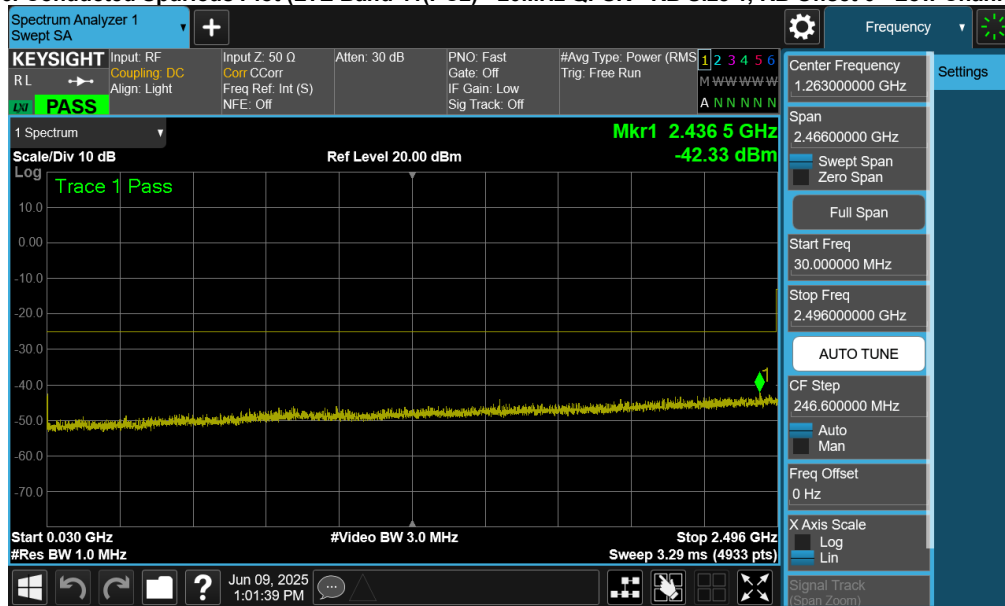


Plot 7-65. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-04.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 50 of 127

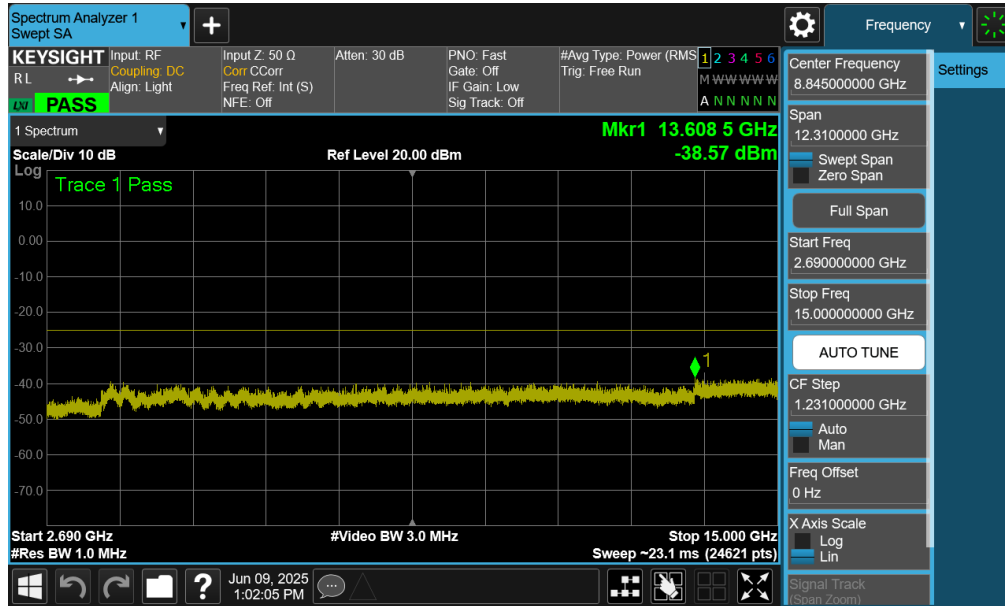


Plot 7-66. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

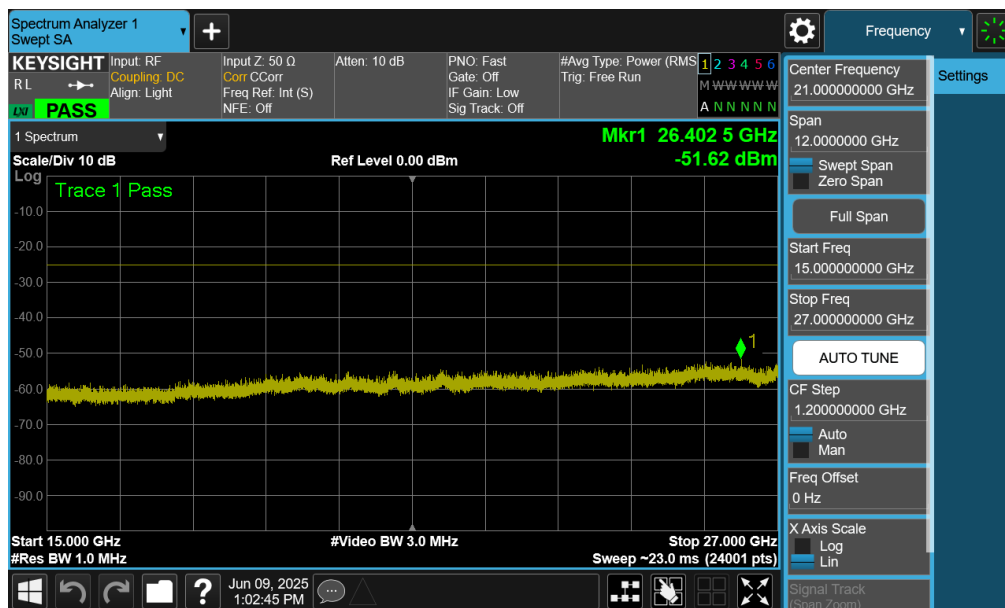


Plot 7-67. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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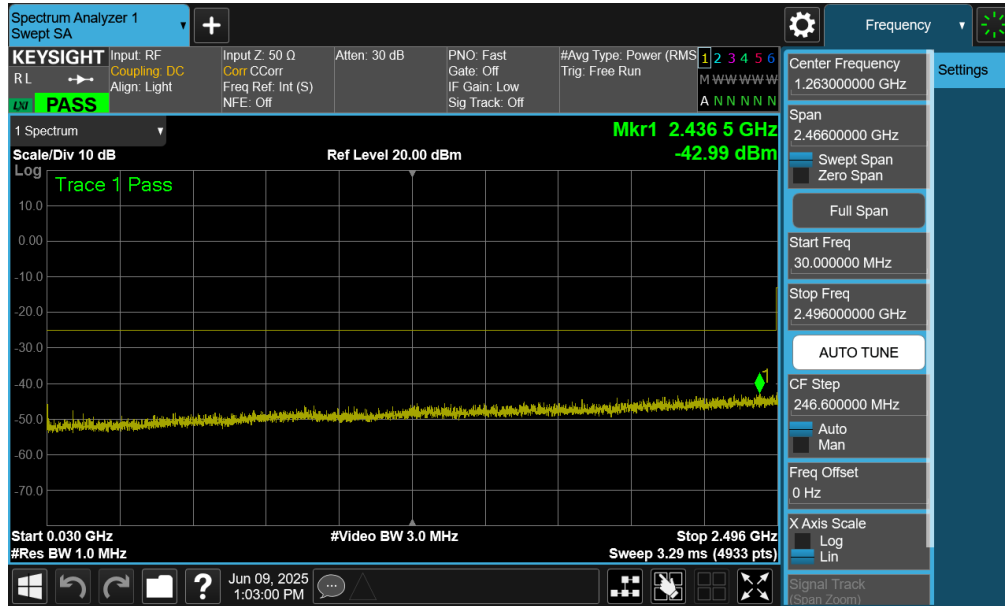


Plot 7-68. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

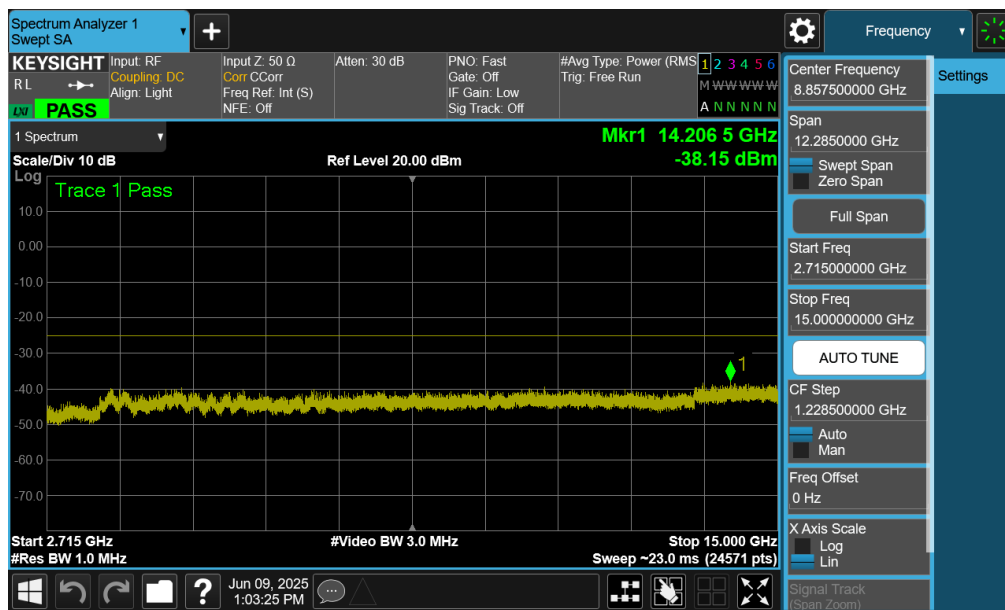


Plot 7-69. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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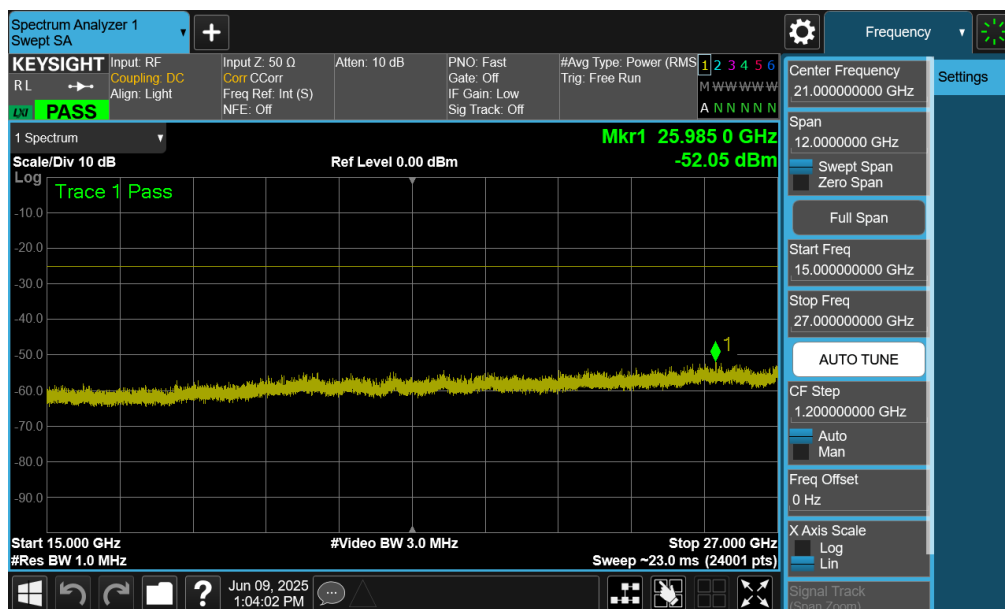


Plot 7-70. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)



Plot 7-71. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

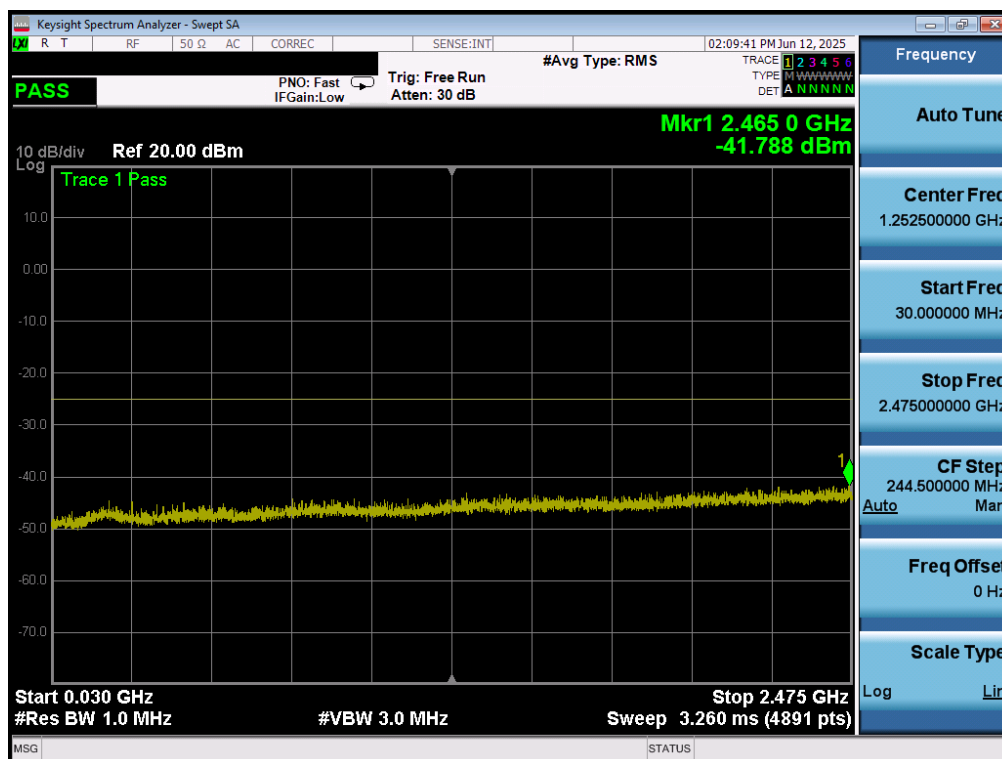
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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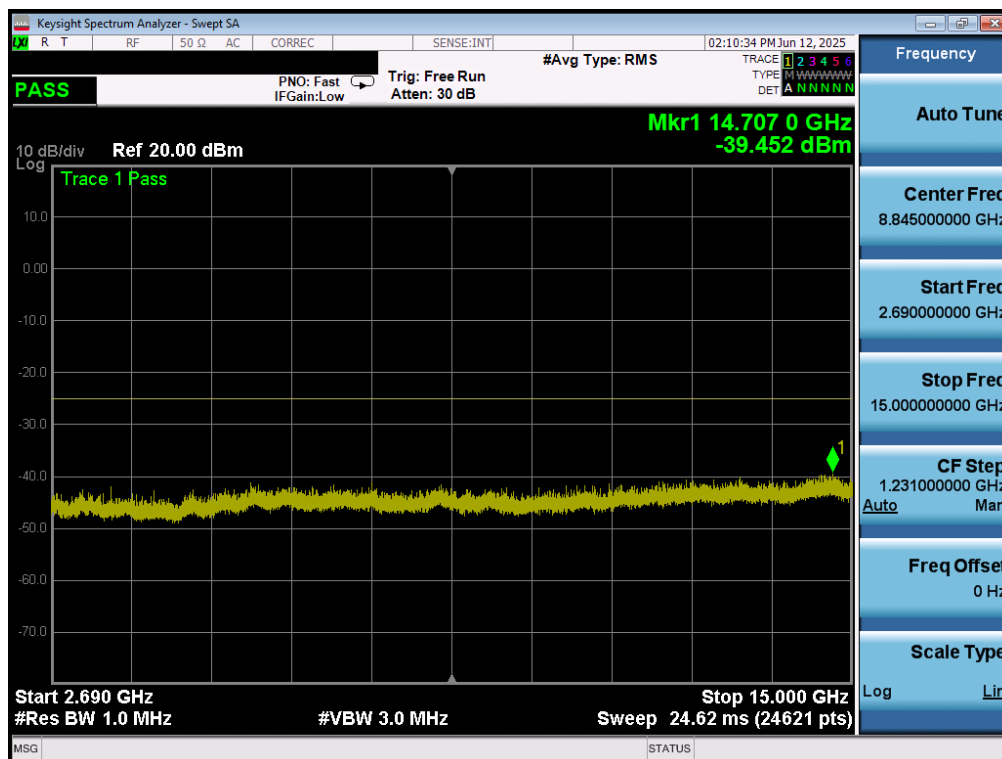
Plot 7-72. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3) – Ant1

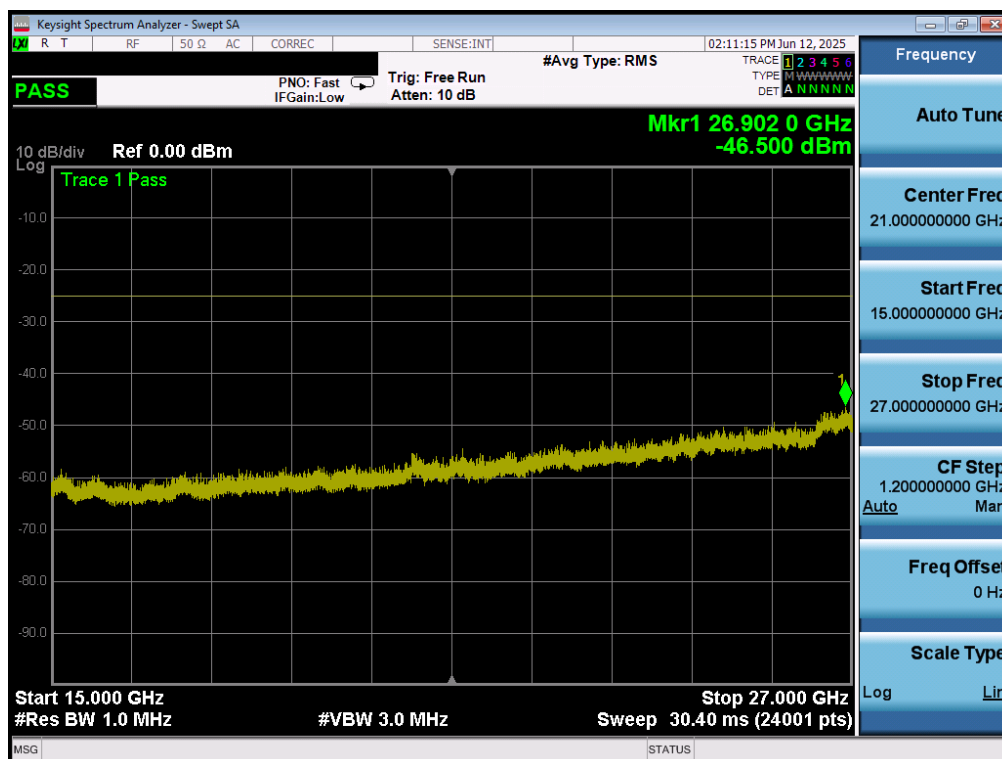


Plot 7-73. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

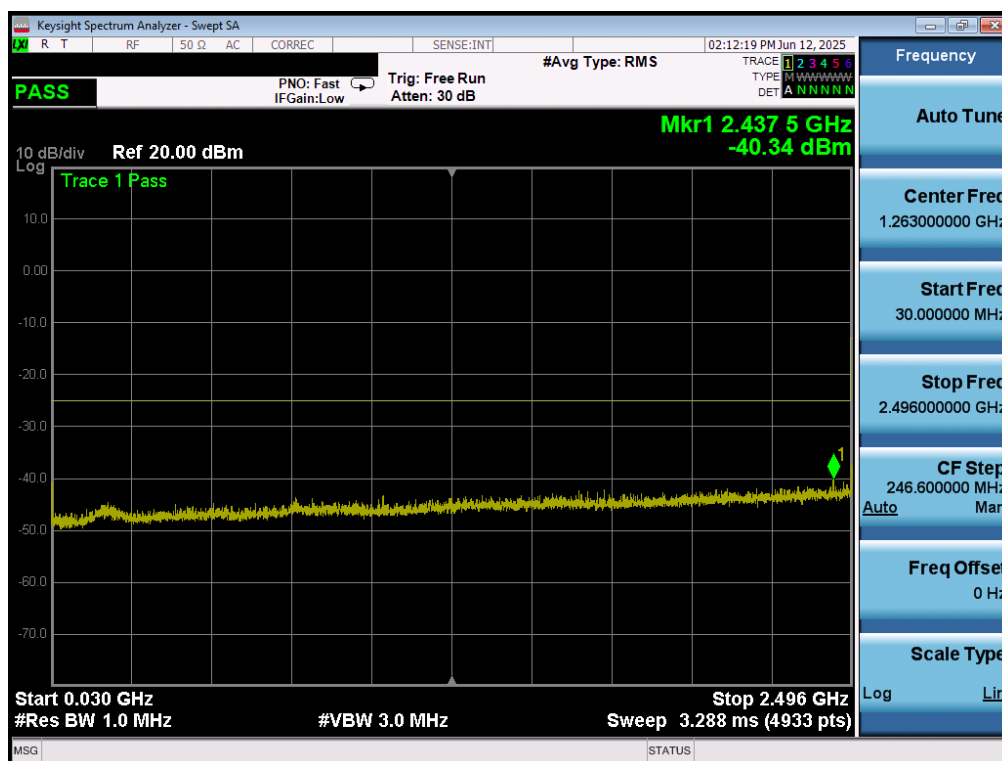


Plot 7-74. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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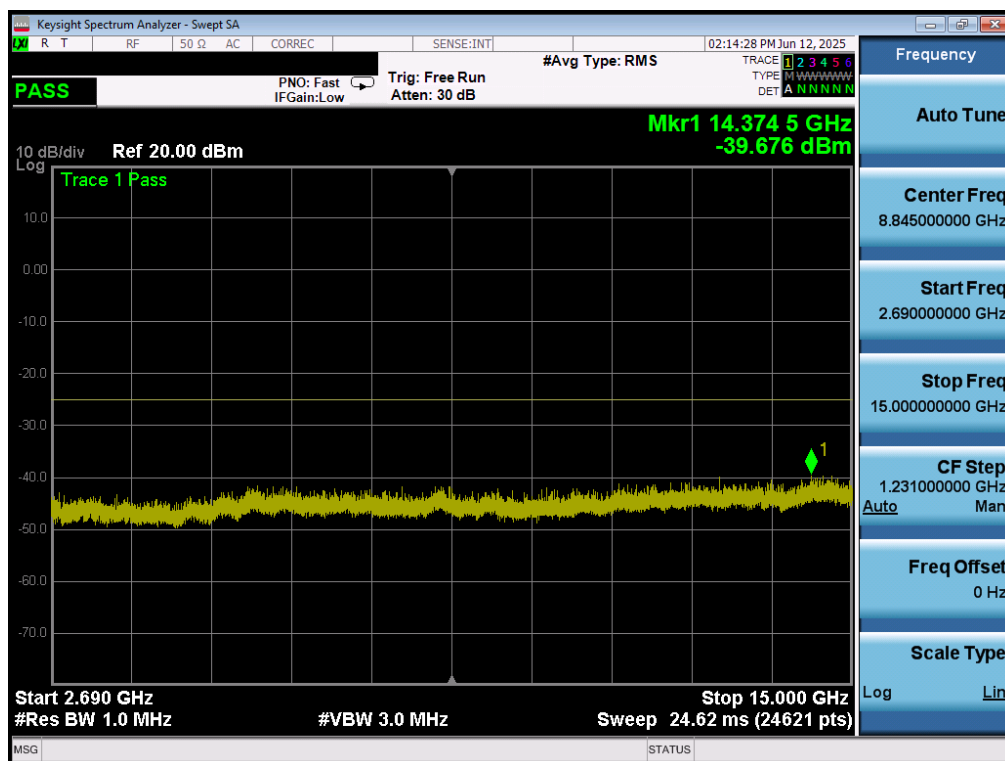


Plot 7-75. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

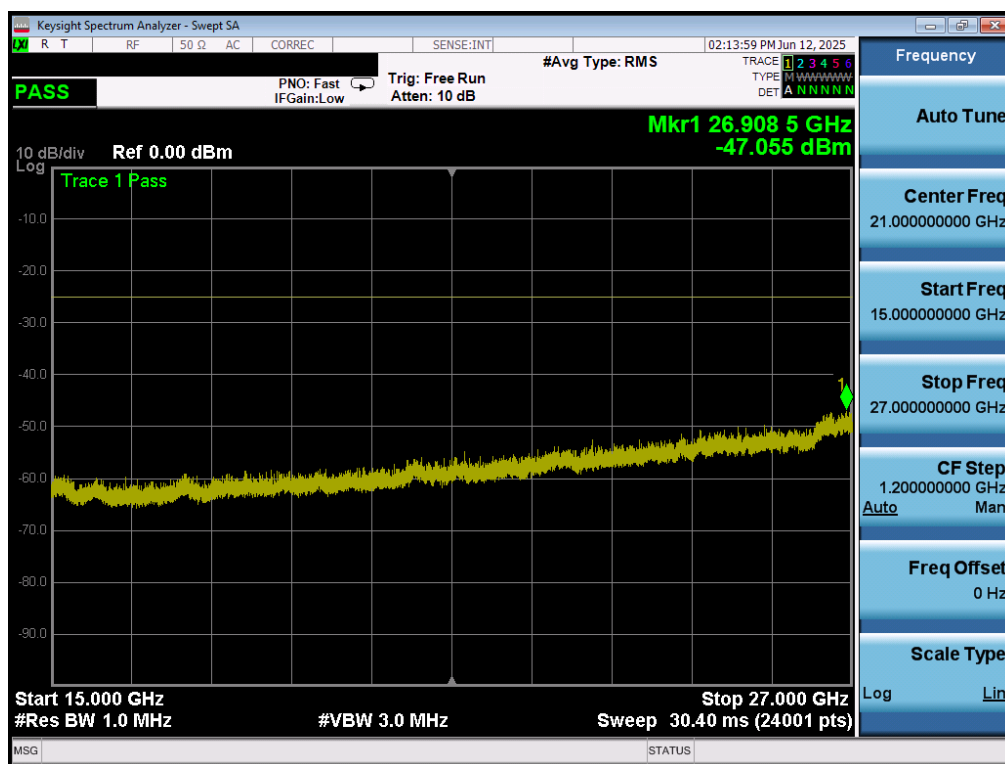


Plot 7-76. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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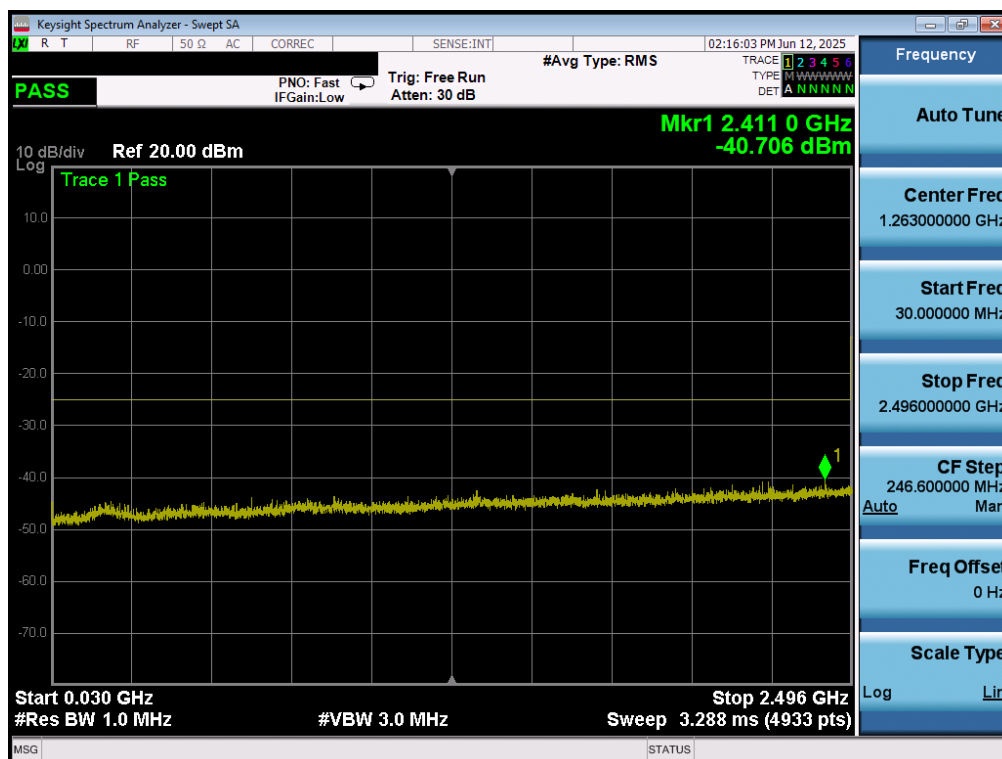


Plot 7-77. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

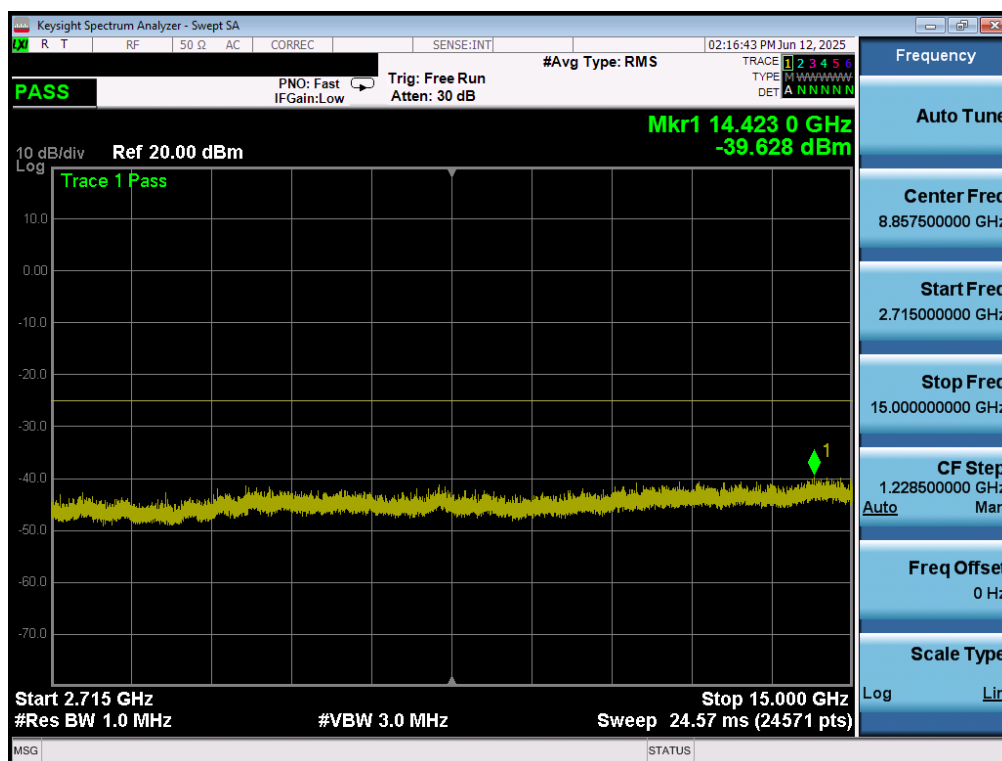


Plot 7-78. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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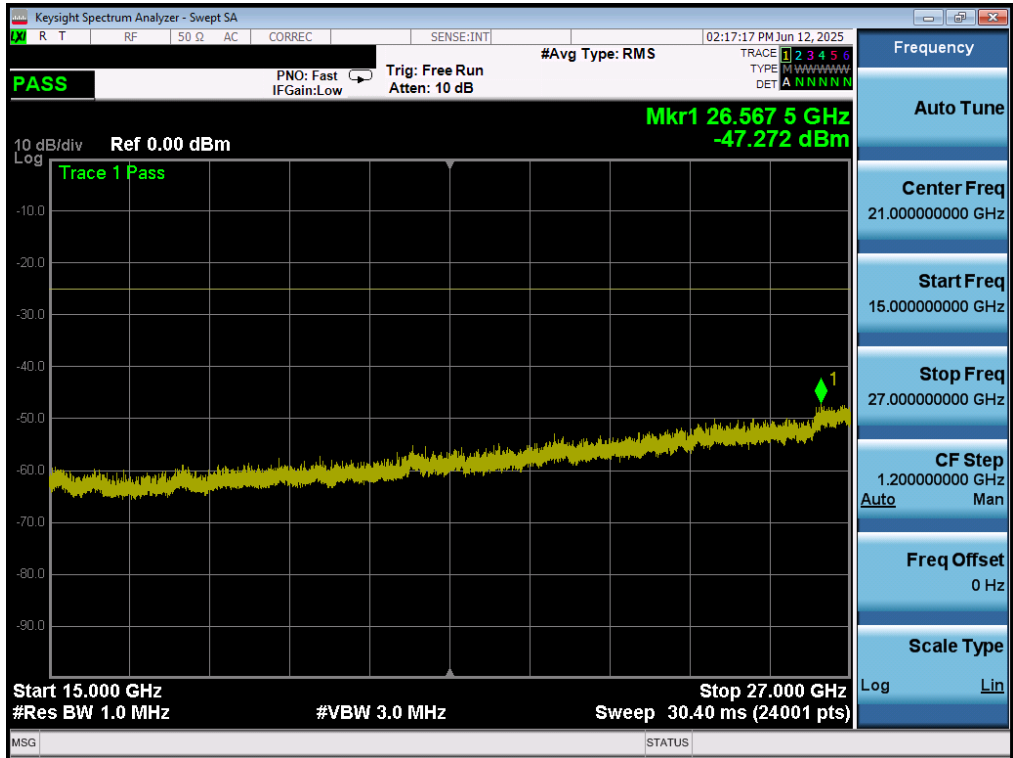


Plot 7-79. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)



Plot 7-80. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

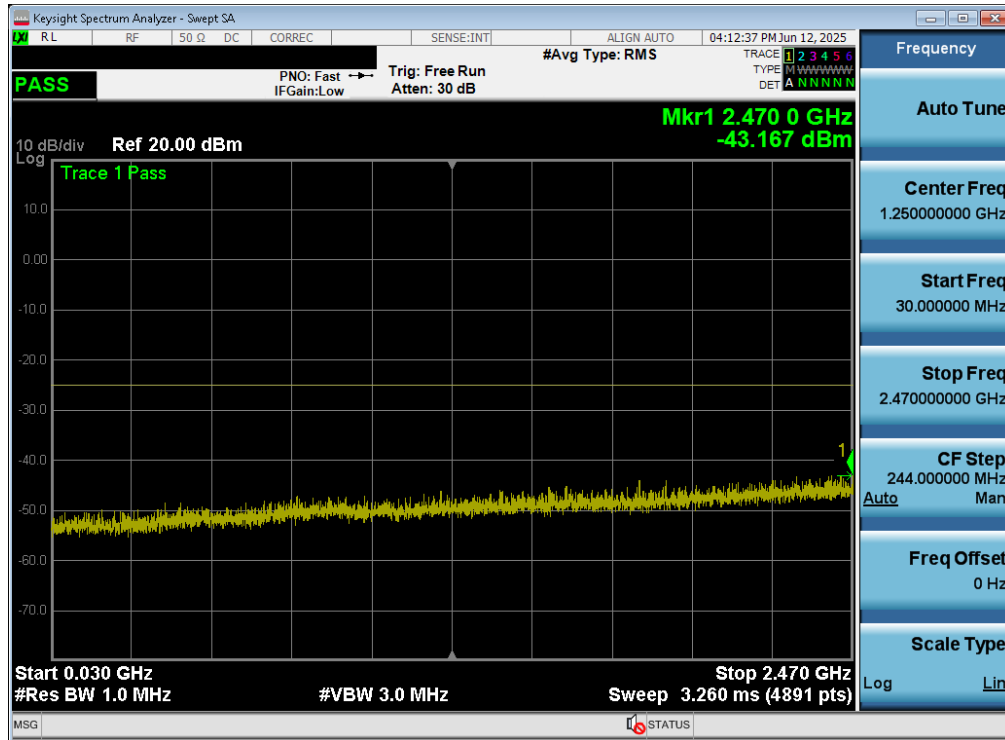
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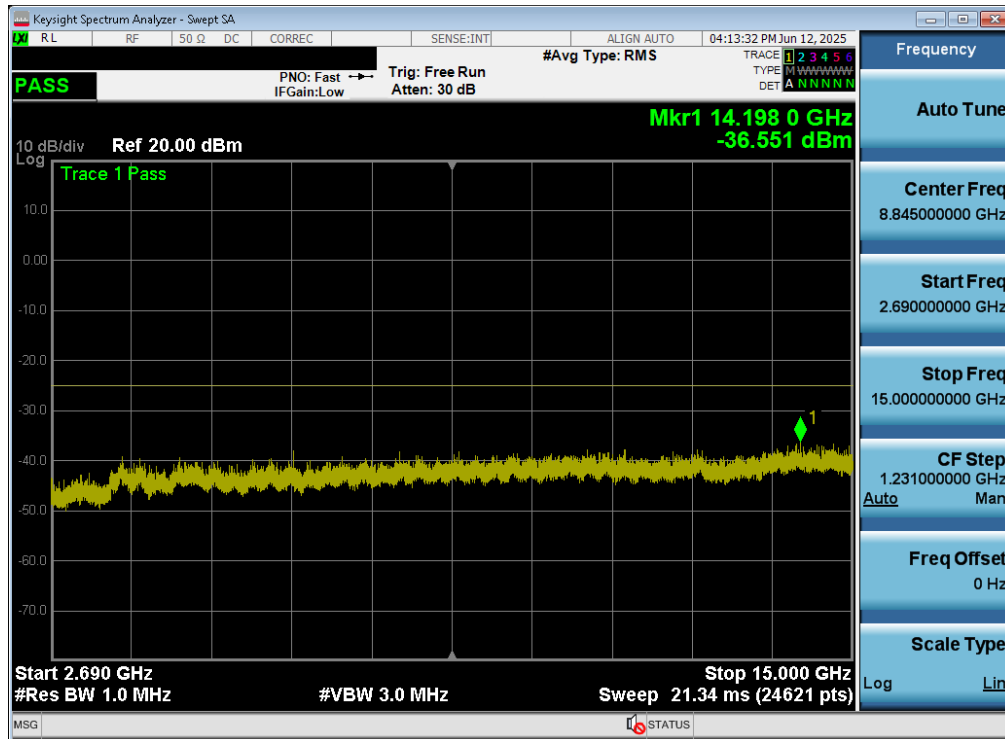
Plot 7-81. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

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NR Band n41 PC3 – Ant1

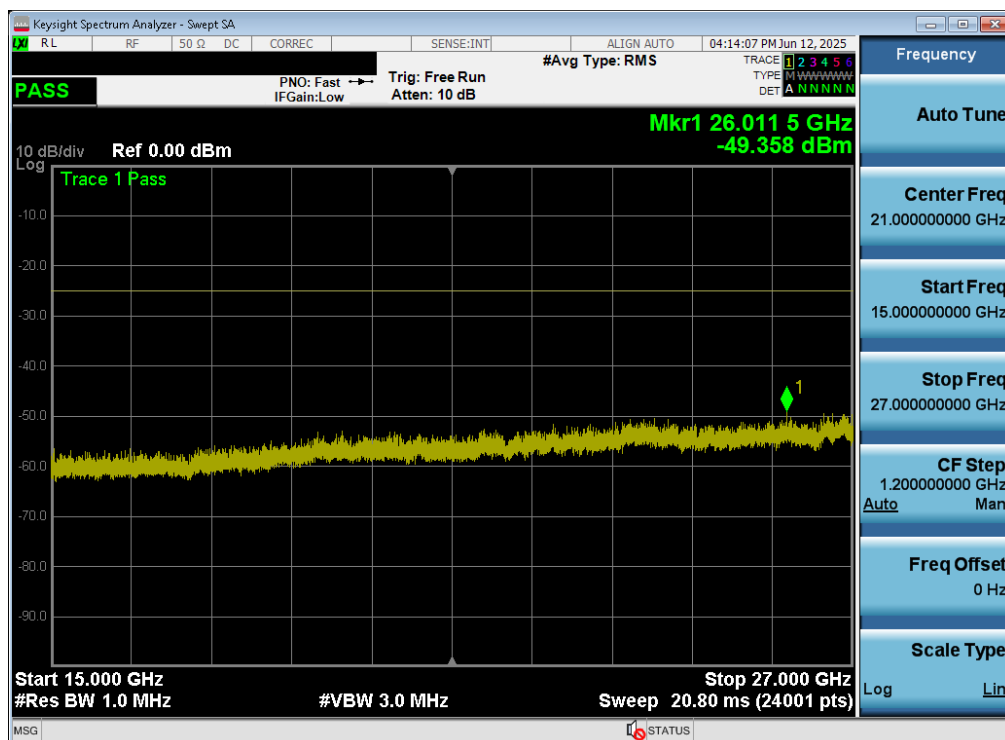


Plot 7-82. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

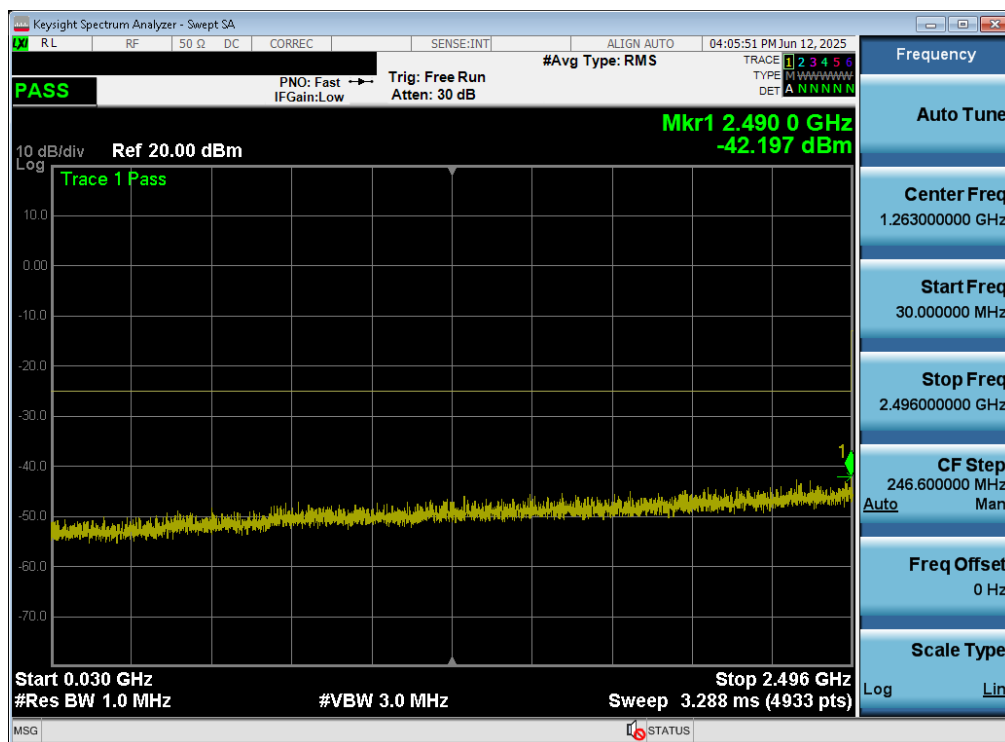


Plot 7-83. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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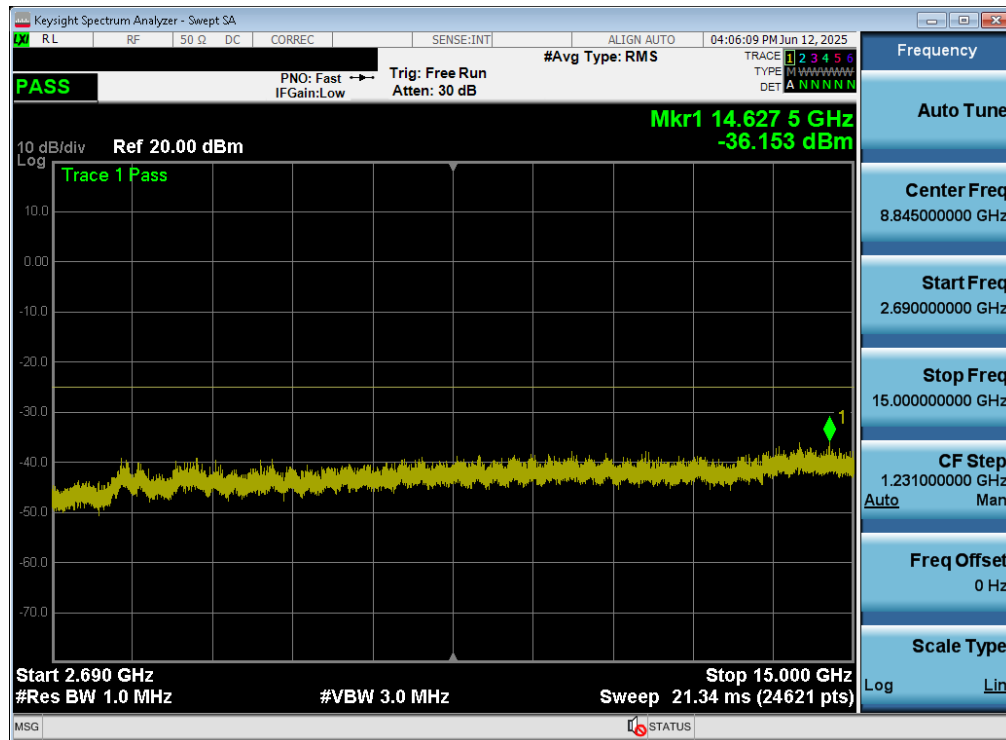


Plot 7-84. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

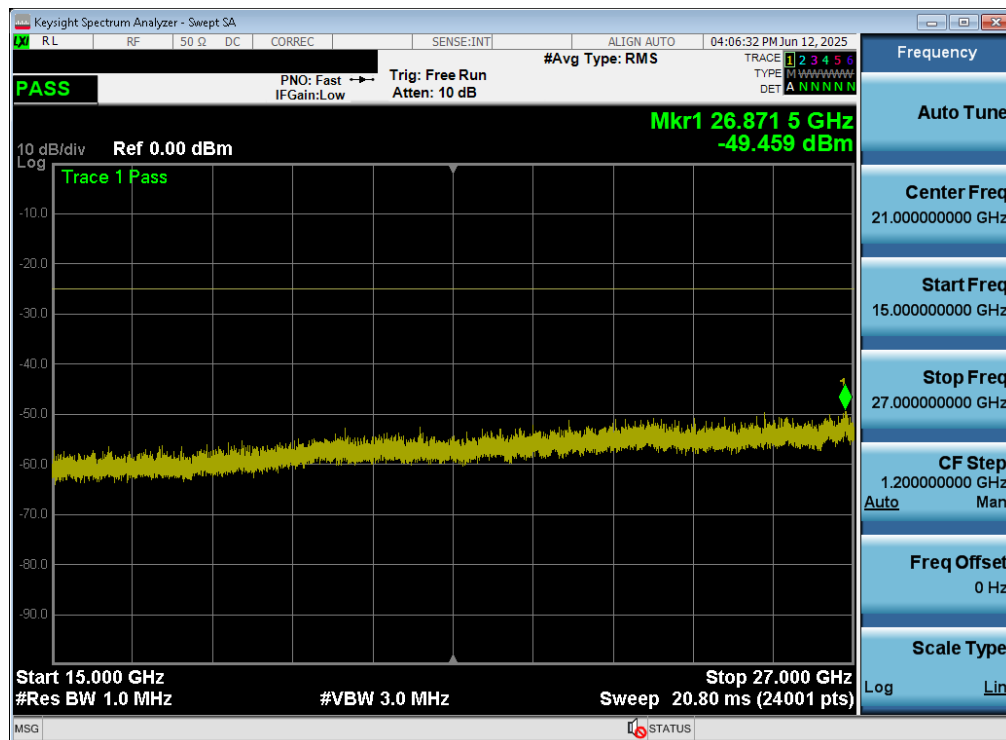


Plot 7-85. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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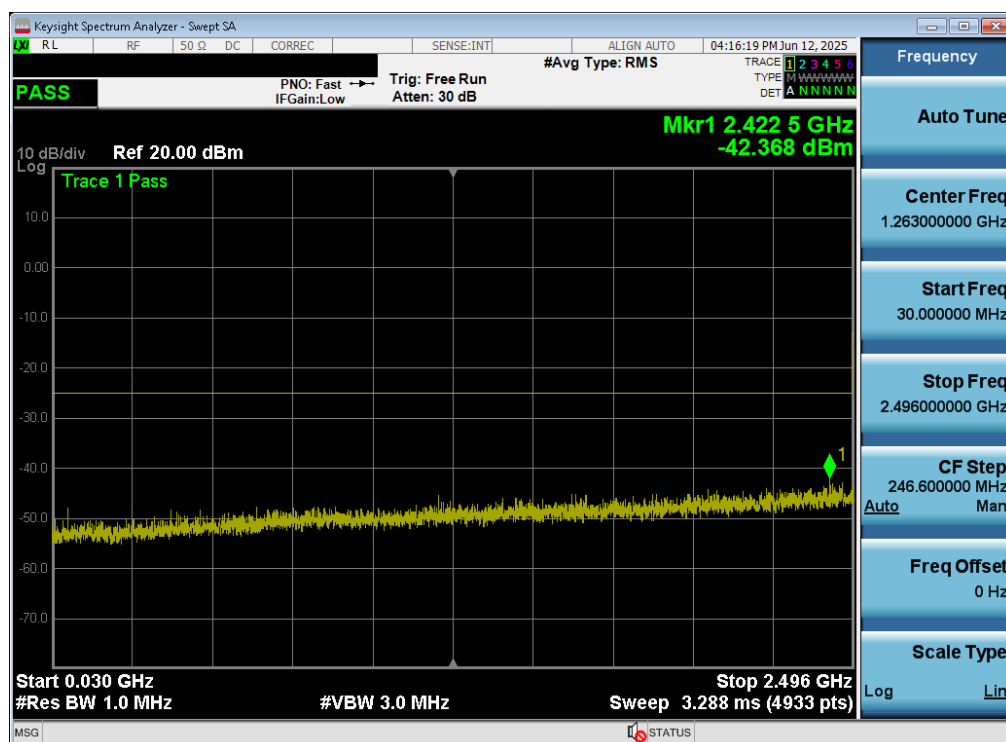


Plot 7-86. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant1)

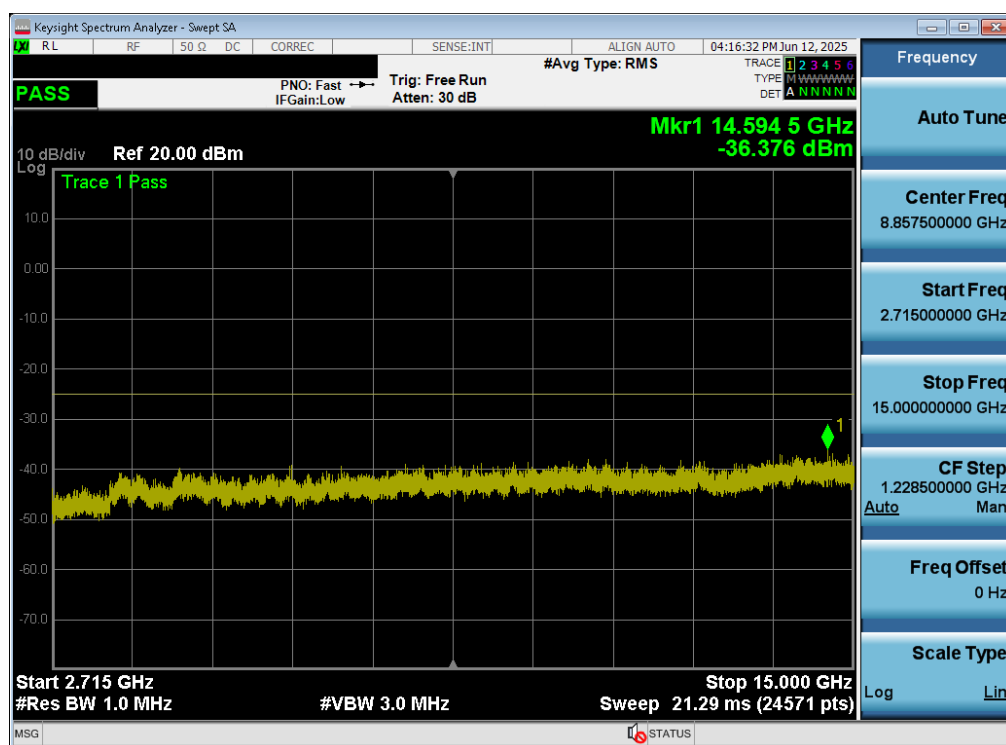


Plot 7-87. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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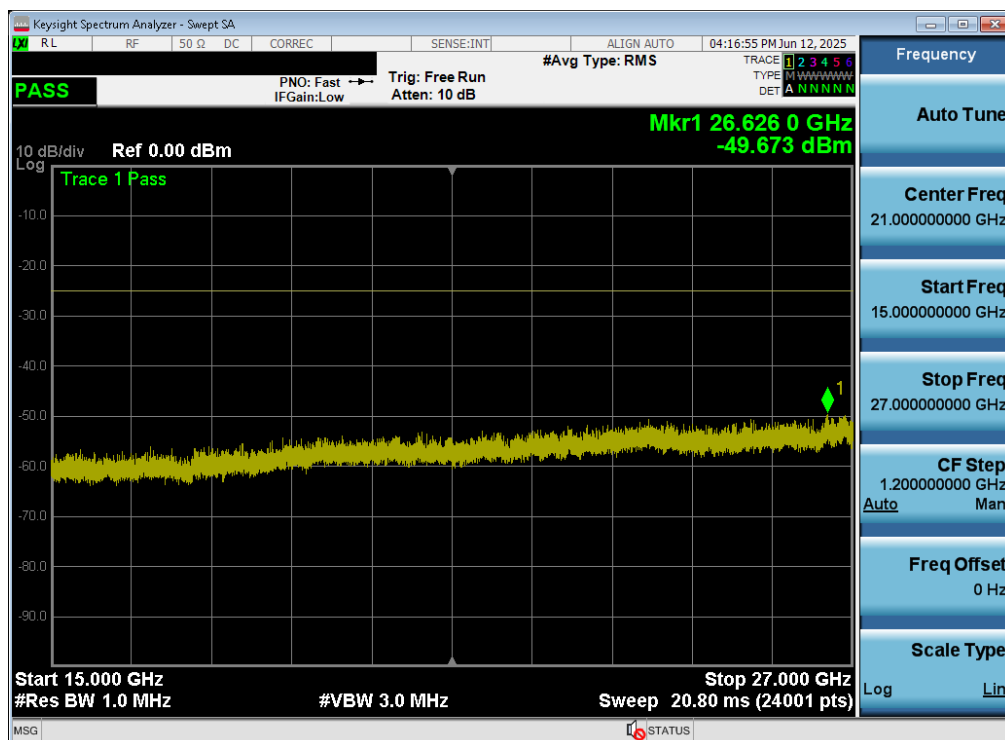


Plot 7-88. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant1)



Plot 7-89. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant1)

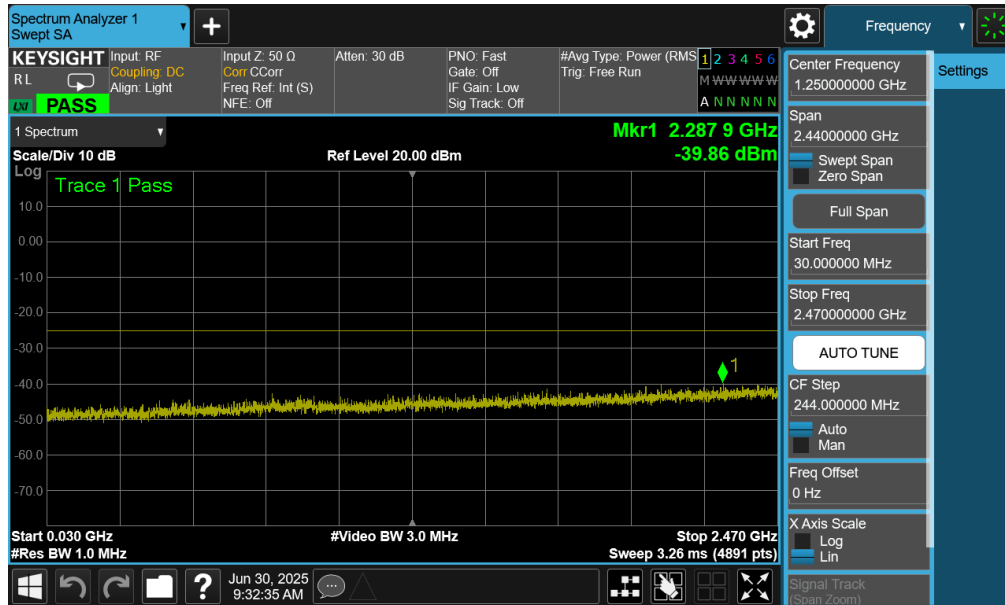
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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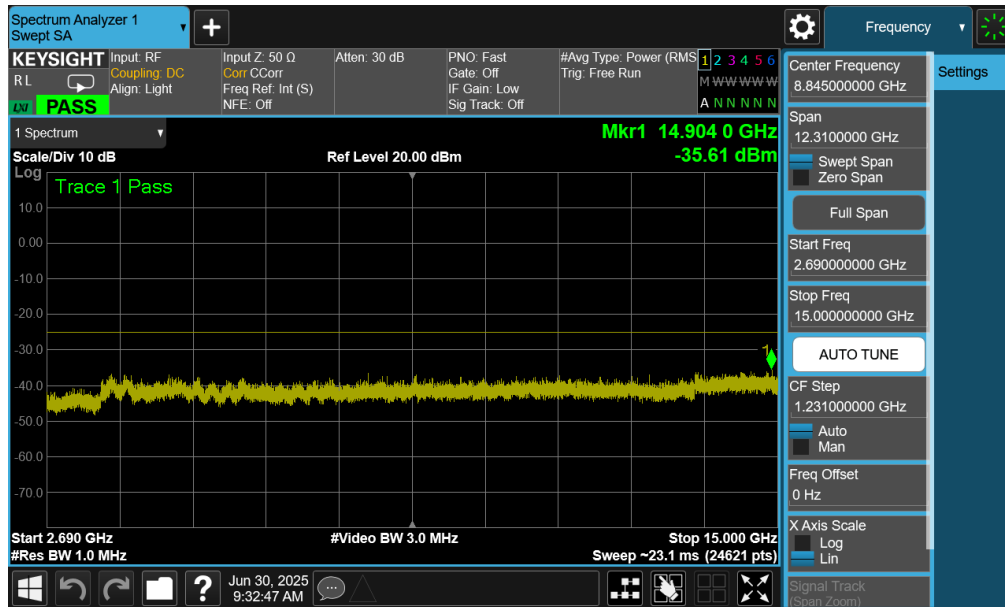
Plot 7-90. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 PC3 – Ant2

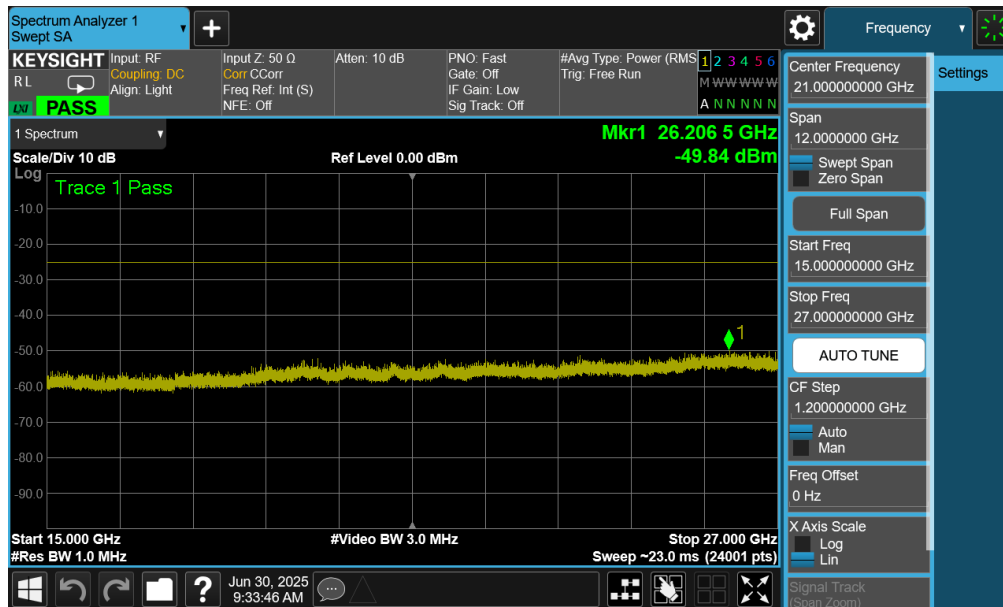


Plot 7-91. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant2)

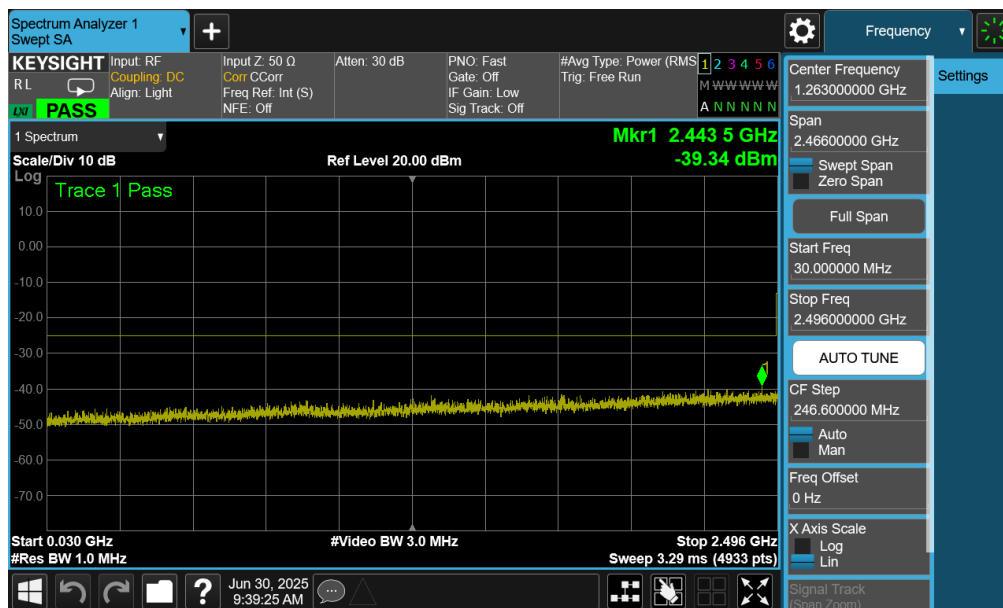


Plot 7-92. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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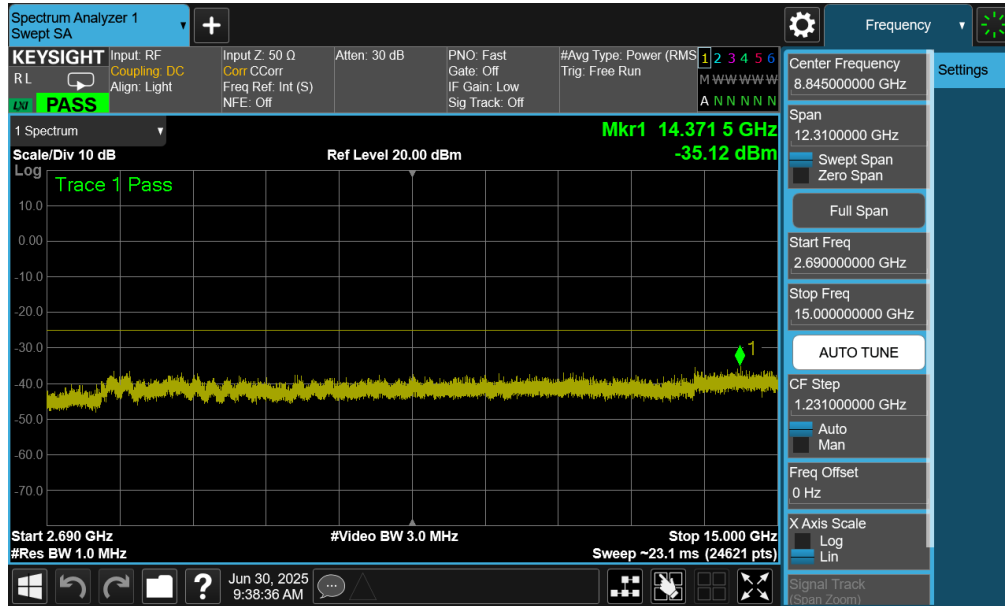


Plot 7-93. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant2)

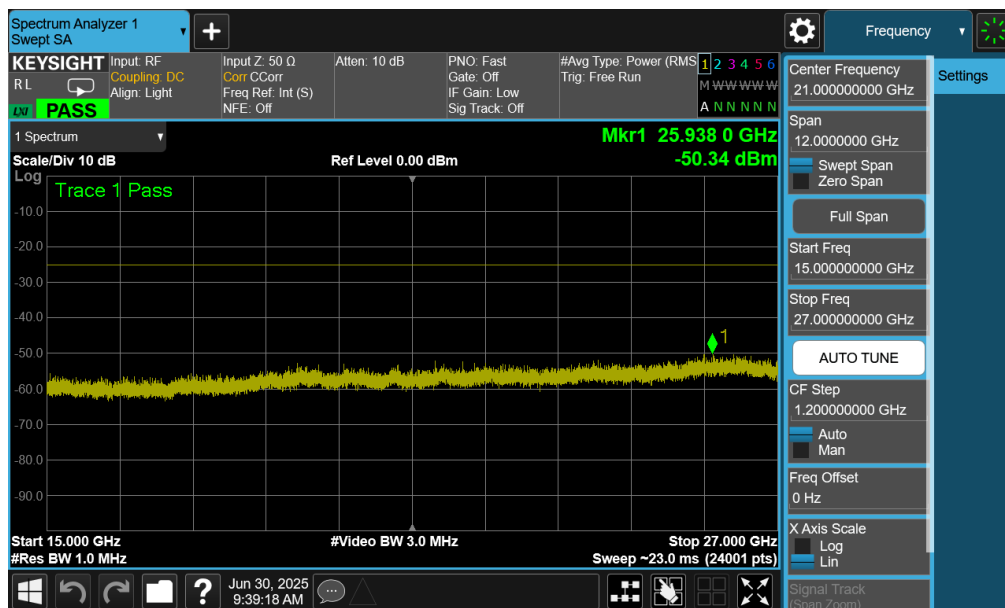


Plot 7-94. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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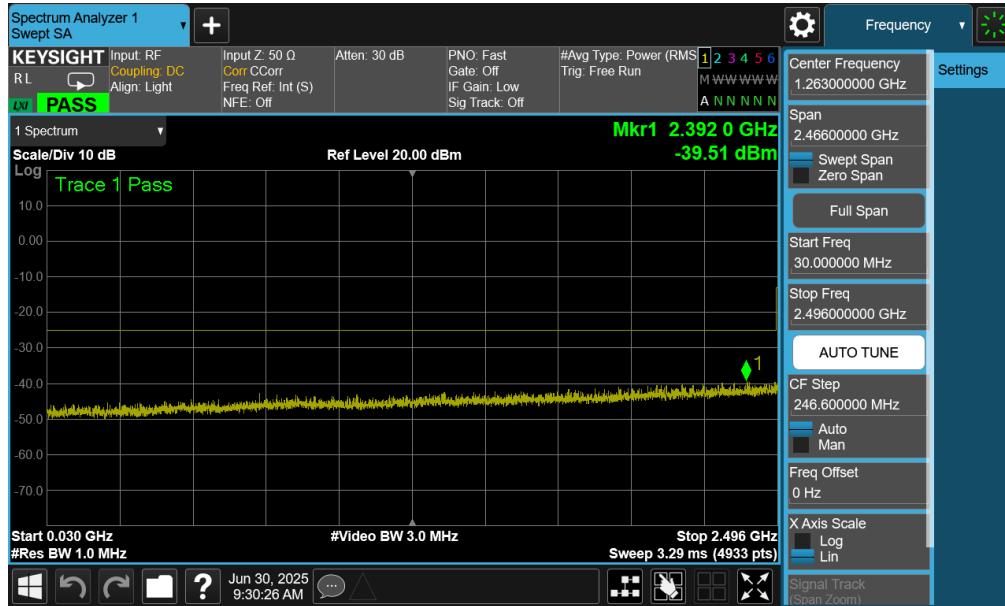


Plot 7-95. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant2)

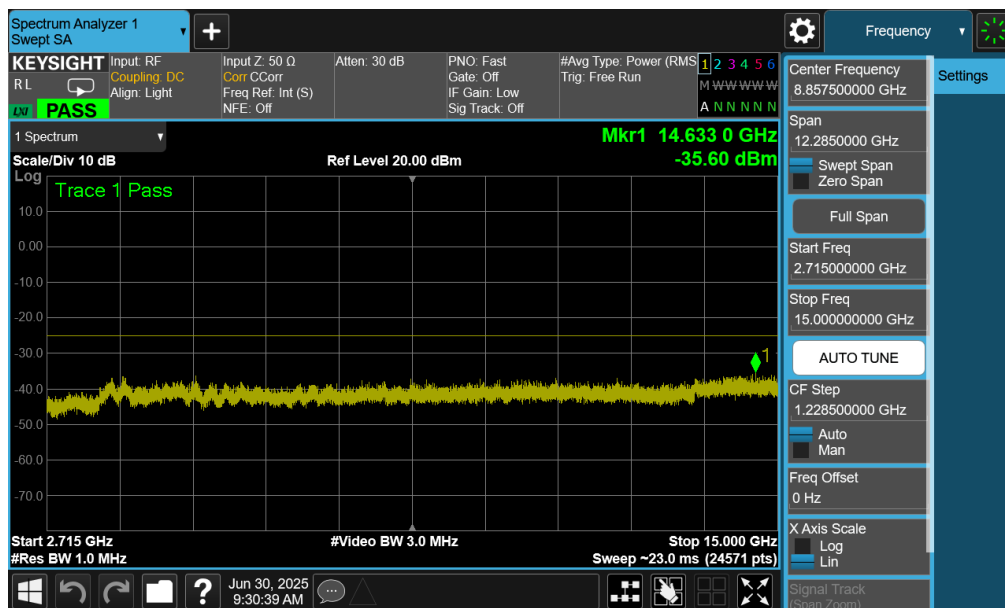


Plot 7-96. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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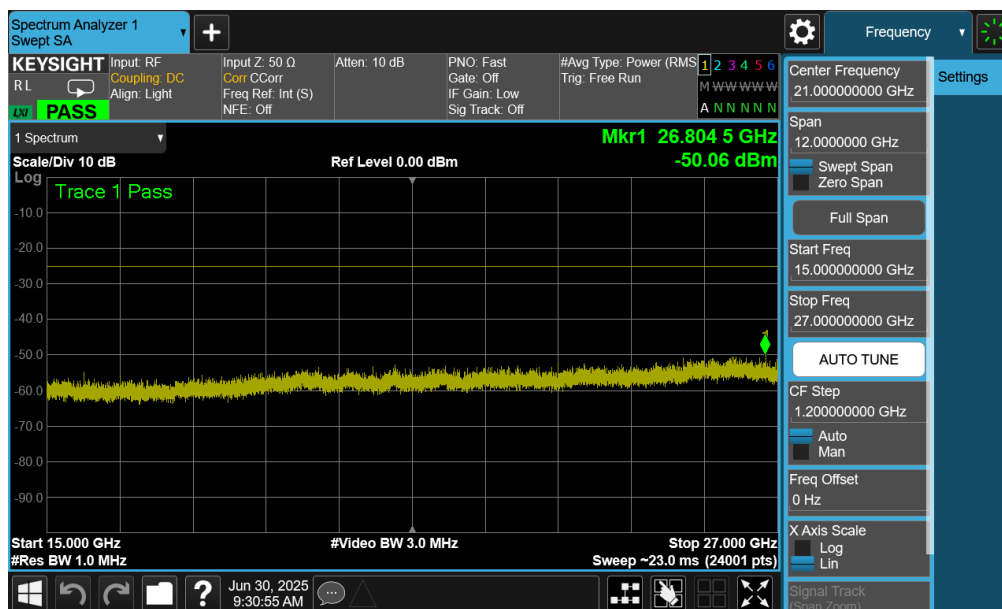


Plot 7-97. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant2)



Plot 7-98. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-99. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant2)

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