**PART 27 | RSS-130 | RSS-139
MEASUREMENT REPORT****Applicant Name:**

Apple Inc.
One Apple Park Way
Cupertino, CA 95014
United States

Date of Testing:

2/27/2026 - 8/04/2026

Test Report Issue Date:

8/13/2026

Test Site/Location:

Element Materials Technology Morgan Hill, CA, USA

Test Report Serial No.:

1C2604100027-05-R1.BCG

FCC ID:

BCG-A3579

IC:

579C-A3579

Applicant Name:

Apple Inc.

Application Type:

Certification

Model/HVIN:

A3579, A3580

EUT Type:

Watch

FCC Classification:

PCS Licensed Transmitter Worn on Body (PCT)

FCC Rule Part:

27

ISED Specification:

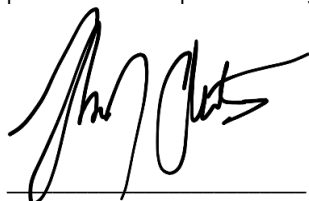
RSS-130 Issue 2, RSS-139 Issue 4, RSS-Gen Issue 6

Test Procedure(s):

ANSI C63.26-2015, TIA-603-E-2016, KDB 971168 D01 v03r01

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



FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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V 2.3 03/03/2026

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Revision Summary

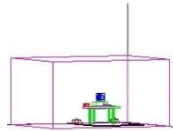
Revision	Date	Comments	Revised By
-	8/12/2026	Initial Release	WKR005811
R1	8/12/2026	Addressed comments in section 7.5	WKR016833

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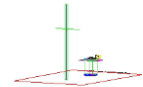
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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	ERP		Emission Designator
					Max. Power [mW]	Max. Power [dBm]	
LTE Band 71	5 MHz	QPSK	665.5 - 695.5	4.6123	0.456	-3.41	4M61G7W
		16QAM	665.5 - 695.5	4.5734	0.368	-4.34	4M57D7W
	10 MHz	QPSK	668.0 - 693.0	9.0664	0.462	-3.35	9M07G7W
		16QAM	668.0 - 693.0	5.1762	0.361	-4.42	5M18D7W
	15 MHz	QPSK	670.5 - 690.5	13.6600	0.462	-3.35	13M7G7W
		16QAM	670.5 - 690.5	5.6039	0.367	-4.35	5M60D7W
	20 MHz	QPSK	673.0 - 688.0	18.0440	0.462	-3.35	18M0G7W
		16QAM	673.0 - 688.0	5.6456	0.350	-4.56	5M65D7W
LTE Band 12	1.4 MHz	QPSK	699.7 - 715.3	1.0943	0.624	-2.05	1M09G7W
		16QAM	699.7 - 715.3	1.0988	0.508	-2.94	1M10D7W
	3 MHz	QPSK	700.5 - 714.5	2.7316	0.638	-1.95	2M73G7W
		16QAM	700.5 - 714.5	2.7304	0.504	-2.98	2M73D7W
	5 MHz	QPSK	701.5 - 713.5	4.6063	0.638	-1.95	4M61G7W
		16QAM	701.5 - 713.5	4.5651	0.502	-2.99	4M57D7W
	10 MHz	QPSK	704.0 - 711.0	9.6290	0.632	-1.99	9M63G7W
		16QAM	704.0 - 711.0	5.1492	0.505	-2.97	5M15D7W
LTE Band 17	5 MHz	QPSK	706.5 - 713.5	4.6063	0.638	-1.95	4M61G7W
		16QAM	706.5 - 713.5	4.5651	0.506	-2.96	4M57D7W
	10 MHz	QPSK	709.0 - 711.0	9.6290	0.638	-1.95	9M63G7W
		16QAM	709.0 - 711.0	5.1492	0.490	-3.10	5M15D7W
LTE Band 13	5 MHz	QPSK	779.5 - 784.5	4.5703	0.743	-1.29	4M57G7W
		16QAM	779.5 - 784.5	4.5745	0.593	-2.27	4M57D7W
	10 MHz	QPSK	782.0	9.0285	0.750	-1.25	9M03G7W
		16QAM	782.0	5.1640	0.568	-2.46	5M16D7W
NR Band n71	5 MHz	$\pi/2$ BPSK	665.5 - 695.5	4.4926	0.462	-3.35	4M49G7W
		QPSK	665.5 - 695.5	4.4765	0.462	-3.35	4M48G7W
		16QAM	665.5 - 695.5	4.4696	0.370	-4.32	4M47D7W
		64QAM	665.5 - 695.5	4.4651	0.292	-5.35	4M47D7W
	10 MHz	$\pi/2$ BPSK	668.0 - 693.0	8.9516	0.454	-3.43	4M95G7W
		QPSK	668.0 - 693.0	9.2965	0.462	-3.35	9M30G7W
		16QAM	668.0 - 693.0	9.3086	0.378	-4.22	9M31D7W
		64QAM	668.0 - 693.0	9.3186	0.296	-5.29	9M32D7W
	15 MHz	$\pi/2$ BPSK	670.5 - 690.5	13.4369	0.462	-3.35	13M4G7W
		QPSK	670.5 - 690.5	14.1417	0.462	-3.35	14M1G7W
		16QAM	670.5 - 690.5	14.1128	0.358	-4.46	14M1D7W
		64QAM	670.5 - 690.5	14.1315	0.290	-5.37	14M1D7W
	20 MHz	$\pi/2$ BPSK	673.0 - 688.0	17.9268	0.462	-3.35	17M9G7W
		QPSK	673.0 - 688.0	18.9306	0.455	-3.42	18M9G7W
		16QAM	673.0 - 688.0	18.9690	0.363	-4.40	19M0D7W
		64QAM	673.0 - 688.0	18.9709	0.292	-5.35	19M0D7W
NR Band n12	5 MHz	$\pi/2$ BPSK	701.5 - 713.5	4.4902	0.638	-1.95	4M49G7W
		QPSK	701.5 - 713.5	4.4749	0.625	-2.04	4M47G7W
		16QAM	701.5 - 713.5	4.4605	0.509	-2.93	4M46D7W
		64QAM	701.5 - 713.5	4.4674	0.410	-3.87	4M47D7W
	10 MHz	$\pi/2$ BPSK	704.0 - 711.0	8.9042	0.638	-1.95	8M90G7W
		QPSK	704.0 - 711.0	9.3393	0.621	-2.07	9M34G7W
		16QAM	704.0 - 711.0	9.3337	0.509	-2.93	9M33D7W
		64QAM	704.0 - 711.0	9.3247	0.403	-3.95	9M32D7W
	15 MHz	$\pi/2$ BPSK	706.5 - 708.5	13.4384	0.625	-2.04	13M4G7W
		QPSK	706.5 - 708.5	14.1566	0.638	-1.95	14M2G7W
		16QAM	706.5 - 708.5	14.1412	0.507	-2.95	14M1D7W
		64QAM	706.5 - 708.5	14.1178	0.404	-3.94	14M1D7W

Overview Table (<1GHz Band)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	EIRP		Emission Designator
					Max. Power [mW]	Max. Power [dBm]	
LTE Band 4	1.4 MHz	QPSK	1710.7 - 1754.3	1.0937	37.670	15.76	1M09G7W
		16QAM	1710.7 - 1754.3	1.0988	29.992	14.77	1M10D7W
	3 MHz	QPSK	1711.5 - 1753.5	2.7333	38.905	15.90	2M73G7W
		16QAM	1711.5 - 1753.5	2.7304	30.549	14.85	2M73D7W
	5 MHz	QPSK	1712.5 - 1752.5	4.5755	38.726	15.88	4M58G7W
		16QAM	1712.5 - 1752.5	4.5865	30.620	14.86	4M59D7W
	10MHz	QPSK	1715.0 - 1750.0	9.0589	38.459	15.85	9M06G7W
		16QAM	1715.0 - 1750.0	5.1582	30.832	14.89	5M16D7W
	15 MHz	QPSK	1717.5 - 1747.5	13.6440	38.905	15.90	13M6G7W
		16QAM	1717.5 - 1747.5	5.5853	30.690	14.87	5M59D7W
	20 MHz	QPSK	1720.0 - 1745.0	18.0440	38.905	15.90	18M0G7W
		16QAM	1720.0 - 1745.0	5.6315	30.903	14.90	5M63D7W
LTE Band 66	1.4 MHz	QPSK	1710.7 - 1779.3	1.0937	38.905	15.90	1M09G7W
		16QAM	1710.7 - 1779.3	1.0988	31.261	14.95	1M10D7W
	3 MHz	QPSK	1711.5 - 1778.5	2.7333	37.154	15.70	2M73G7W
		16QAM	1711.5 - 1778.5	2.7304	30.339	14.82	2M73D7W
	5 MHz	QPSK	1712.5 - 1777.5	4.5755	38.905	15.90	4M58G7W
		16QAM	1712.5 - 1777.5	4.5865	30.832	14.89	4M59D7W
	10 MHz	QPSK	1715.0 - 1775.0	9.0589	38.905	15.90	9M06G7W
		16QAM	1715.0 - 1775.0	5.1582	30.832	14.89	5M16D7W
	15 MHz	QPSK	1717.5 - 1772.5	13.6440	38.905	15.90	13M6G7W
		16QAM	1717.5 - 1772.5	5.5853	30.200	14.80	5M59D7W
	20 MHz	QPSK	1720.0 - 1770.0	18.0440	38.548	15.86	18M0G7W
		16QAM	1720.0 - 1770.0	5.6315	30.761	14.88	5M63D7W
NR Band n66	5 MHz	$\pi/2$ BPSK	1712.5 - 1777.5	4.4873	38.459	15.85	4M49G7W
		QPSK	1712.5 - 1777.5	4.4730	38.905	15.90	4M47G7W
		16QAM	1712.5 - 1777.5	4.4758	31.117	14.93	4M48D7W
		64QAM	1712.5 - 1777.5	4.4786	24.660	13.92	4M48D7W
	10 MHz	$\pi/2$ BPSK	1715.0 - 1775.0	8.9736	38.548	15.86	8M97G7W
		QPSK	1715.0 - 1775.0	9.3125	38.905	15.90	9M31G7W
		16QAM	1715.0 - 1775.0	9.3218	30.974	14.91	9M32D7W
		64QAM	1715.0 - 1775.0	9.3283	24.547	13.90	9M33D7W
	15 MHz	$\pi/2$ BPSK	1717.5 - 1772.5	13.4072	37.584	15.75	13M4G7W
		QPSK	1717.5 - 1772.5	14.1571	38.905	15.90	14M2G7W
		16QAM	1717.5 - 1772.5	14.1535	30.832	14.89	14M2D7W
		64QAM	1717.5 - 1772.5	14.1384	24.266	13.85	14M1D7W
	20 MHz	$\pi/2$ BPSK	1720.0 - 1770.0	17.8297	38.815	15.89	17M8G7W
		QPSK	1720.0 - 1770.0	18.9927	38.905	15.90	19M0G7W
		16QAM	1720.0 - 1770.0	18.9713	30.761	14.88	19M0D7W
		64QAM	1720.0 - 1770.0	18.9882	24.155	13.83	19M0D7W

Overview Table (>1GHz Bands)

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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 Materials Technology Test Location

These measurement tests were conducted at the Element Materials Technology facility located at 18855 Adams Court, Morgan Hill, CA 95037. The measurement facility is 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 Materials Technology located in Morgan Hill, CA 95037, U.S.A.

- Element Materials Technology is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.02 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 ISSED Standards (RSS).
- Element Materials Technology facility is a registered test laboratory with the site description on file with ISSED (Wireless Test Lab number 22831) and FCC (Designation Number US1163).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISSED 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 **Apple Watch FCC ID: BCG-A3579** and **IC:579C-A3579**. 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, RSS-130 and RSS-139.

This report is intended to demonstrate compliance with both FCC and ISED requirements.

Test Device Serial No.: FN6HRC000160001C9J, FN6HRA000C60001C9H, FN6HSX000SV0001C9H, FN6HSX000UK0001C9H, FN6HSX0011G0001C9H, FN6HSX000XW0001C9H, KPWGR42YHF, L4TQKMWK24

2.2 Device Capabilities

This device contains the following capabilities:

Multi-band LTE, 5G NR RedCap (FR1), 802.11b/g/n WLAN, 802.11a/n UNII, 802.15.4ab-NB, Bluetooth (1x, EDR, HDR4, HDR8, LE1M, LE2M), NFC, UWB, 60.5GHz Transmitter, Mobile Satellite Service (MSS).

This device supports simultaneous transmission operations, which allows for multiple transmitters to transmit simultaneously on the same antenna. The table below shows all configurations possible.

Simultaneous Tx Config	Antenna FCM					
	WLAN	Bluetooth	802.15.4ab - NB	LTE/FR1	UNII	UWB
	802.11 b/g/n	BDR, EDR, HDR4/8, LE1/2M	O-QPSK	Mid/High Band	802.11 a/n	Ch.5/Ch.9
Config 1	✓	✗	✗	✓	✗	✓
Config 2	✗	✓	✗	✓	✗	✓
Config 3	✗	✓	✓	✓	✗	✗
Config 4	✓	✗	✓	✓	✗	✗
Config 5	✗	✓	✗	✓	✓	✗
Config 6	✗	✓	✗	✓	✗	✓
Config 7	✓	✗	✗	✓	✗	✗
Config 8	✓	✗	✓	✗	✗	✗
Config 9	✓	✗	✗	✗	✗	✓
Config 10	✗	✓	✗	✗	✓	✗
Config 11	✗	✓	✗	✓	✗	✗
Config 12	✗	✓	✓	✗	✗	✗
Config 13	✗	✓	✗	✗	✗	✓
Config 14	✗	✗	✓	✓	✗	✗
Config 15	✗	✗	✗	✓	✓	✗
Config 16	✗	✗	✗	✓	✗	✓

Table 2-1. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

All the above simultaneous transmission configurations have been tested and the worst-case configuration was found to be Config 5 and reported in RF Part 27b/RSS-199, RF Bluetooth, and RF UNII 5GHz OFDM test reports.

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2.3 Antenna Description

The following antenna gains provided by the manufacturer were used for testing. The validity of the calculated results is based on the accuracy of the information provided.

Band	Antenna Gain [dBi]	
	Antenna BCM	Antenna FCM
LTE Band 12/17	-25.5	-
NR Band 12		
LTE Band 13	-24.8	-
LTE Band 4/66	-	-9.3
NR Band n66		
LTE Band 71	-26.9	-
NR Band n71		

Table 2-2. Highest Antenna Gains

* = Not Support

2.4 Test Support Equipment

1	Apple Macbook	Model:	A1398	S/N:	FVFDHG8TP3XY
	w/AC/DC Adapter	Model:	A1435	S/N:	N/A
2	Apple USB-C cable	Model:	N/A	S/N:	N/A
	w/ Charging Dock	Model:	A2921	S/N:	DQ8137601MY08V22F
	w/ Cradle	Model:	N/A	S/N:	CYV142700BEE1EN01MP1P
3	Apple Magnetic Charger	Model:	A3277	S/N:	DLCHTU0006G0001PGP
	Apple Magnetic Charger	Model:	A2879	S/N:	DLCH5T0012A00000WB
4	Pathfinder Parkranger	Model:	920-17801-01	S/N:	DLCHKC0001Z00018LL
	SiP Socket	Model:	CYG760-PF	S/N:	DLCHM3000ZF0001BRZ
5	DC Power Supply	Model:	KPS3010D	S/N:	N/A

Table 2-3. Test Support Equipment

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.26-2015, TIA-603-E-2016 and KDB 971168 D01 v03r01. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

The worst case configuration was investigated for all combinations of the various types of wristbands, metal and non-metal wristbands. The EUT was also investigated with and without wireless charger. The worst case configuration found was used for all testing.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration. The emissions below 1GHz and above 18GHz were tested with the highest transmitting power and the worst case channel were reported.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

This device only supports 27RBs or less for LTE 16-QAM uplink.

2.6 Software and Firmware

The test was conducted with firmware version watchOS 27 installed on the EUT.

2.7 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 documents titled “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26-2015 and TIA-603-E-2016) and “Procedures for Compliance Measurement of the Fundamental Emission Power of Licensed Wideband (> 1 MHz) Digital Transmission Systems” (KDB 971168 D01 v03r01) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 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 spurious emissions measurements and calculations, conversion method is used per the formulas in KDB 971168 Section 5.8.4. Field Strength (EIRP) is calculated using the following formulas:

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

And

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

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4-2014.

Per KDB 414788 D01 v01r01, radiated emission test sites other than open-field test sites (e.g., shielded anechoic chambers), may be employed for emission measurements below 30MHz if characterized so that the measurements correspond to those obtained at an open-field test site. To determine test site equivalency, a reference sample transmitting at 149kHz was measured on an open field test site (asphalt with no ground plane) and then measured in the 3m semi-anechoic chamber. A calibrated 60cm loop antenna was used while the reference device was rotated through the X, Y and Z axis in order to capture the worst case level. A maximum deviation of 2.77dB at 149kHz was measured when comparing the 3 meter semi-anechoic chamber to the open field site.

Radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26-2015 and TIA-603-E-2016.

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4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.23-2012. 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	2.00
Radiated Disturbance (<30MHz)	4.24
Radiated Disturbance (30MHz-1GHz)	4.96
Radiated Disturbance (1-18GHz)	5.18

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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
Agilent Technologies	N9030A	MXA Signal Analyzer	7/7/2025	Biennial	7/7/2027	MY56470202
ATM	180-442-KF	20dB Nominal Gain Horn Antenna	3/31/2026	Annual	3/31/2027	T058601-02
ESPEC	SU-241	Tabletop Temperature Chamber	11/6/2025	Annual	11/6/2026	92009574
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	4/21/2026	Annual	4/21/2027	218555
Fairview Microwave	FMCA1975-36	30MHz-40GHz Conducted RF Cable *	6/10/2025	Annual	6/10/2026	-
Fairview Microwave	FMCA1975-36	30MHz-40GHz Conducted RF Cable *	6/10/2026	Annual	6/10/2027	-
Fairview Microwave	M2CP1122-10	30MHz-40GHz Conducted Coupler *	6/10/2025	Annual	6/10/2026	1946
Fairview Microwave	M2CP1122-10	30MHz-40GHz Conducted Coupler *	6/10/2026	Annual	6/10/2027	1946
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2025	Annual	6/10/2026	-
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2026	Annual	6/10/2027	-
Keysight Technology	N9040B	UXA Signal Analyzer	3/19/2026	Annual	3/19/2027	MY60080210
Keysight Technologies	N9030A	PXA Signal Analyzer	11/24/2025	Annual	11/24/2026	MY55330128
Rohde & Schwarz	FSW67	Signal Analyzer	2/27/2026	Annual	2/27/2027	101604
Rohde & Schwarz	ESW44	EMI Test Receiver 2Hz to 44 GHz	3/11/2026	Annual	3/11/2027	101716
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/6/2025	Annual	8/6/2026	101639
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	10/14/2025	Annual	10/14/2026	102328
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/3/2025	Annual	10/3/2026	171008
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	3/4/2025	Annual	3/4/2026	164715
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	7/17/2026	Annual	7/17/2027	100052
Rohde & Schwarz	HFH2-Z2	Loop Antenna	6/26/2025	Annual	6/26/2026	100519
Rohde & Schwarz	HFH2-Z2	Loop Antenna	6/25/2026	Annual	6/25/2027	100546
Schwarzbeck	3142E	Bilog Antenna (30MHz - 6GHz)	9/30/2025	Annual	9/30/2026	224569

Table 5-1. Test Equipment

Notes:

- 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.
- * denotes passive equipment that have been internally verified/calibrated.

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6.0 SAMPLE CALCULATIONS

Emission Designator

$\pi/2$ BPSK / QPSK Modulation

Emission Designator = 8M62G7W

BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination of Any

QAM Modulation

Emission Designator = 8M45D7W

LTE BW = 8.45 MHz

D = Amplitude/Angle Modulated

7 = Quantized/Digital Info

W = Combination of Any

Spurious Radiated Emission

Example: Middle Channel LTE Mode 2nd Harmonic (1564 MHz)

The average spectrum analyzer reading at 3 meters with the EUT on the turntable was -81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0 dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 1564 MHz. So 6.1 dB is added to the signal generator reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.501 dBm so this harmonic was 25.501 dBm - (-24.80).

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7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCG-A3579
 IC: 579C-A3579
 FCC Classification: PCS Licensed Transmitter Worn on Body (PCT)
 Mode(s): LTE/NR

Test Condition	Test Description	FCC Part Section(s)	RSS Section(s)	Test Limit	Test Result	Reference
CONDUCTED	Occupied Bandwidth	2.1049	RSS-Gen(5.1)	N/A	N/A	Section 7.2
	Conducted Band Edge / Spurious Emissions	2.1051, 27.53	RSS-130(4.7) RSS-139(5.6)	-13 dBm at Band Edge and for all out-of-band emissions	PASS	Sections 7.3, 7.4
	Conducted Band Edge / Spurious Emissions (LTE Band 13)	2.1051, 27.53	RSS-130(4.7)	-13 dBm at Band Edge and for all out-of-band emissions < -70 dBW/MHz (for wideband signals) < -80 dBW (for discrete emissions less than 700Hz BW) For all emissions in the band 1559 - 1610 MHz	PASS	Sections 7.3, 7.4
	Peak-Average Ratio	27.50(d)(5)	RSS-130(4.6) RSS-139(5.5)	< 13 dB	PASS	Section 7.5
	Transmitter Conducted Output Power	2.1046	RSS-Gen(5.4.3.1)	N/A	N/A	See RF Exposure Report
	Frequency Stability	2.1055	RSS-130(4.5) RSS-139(5.4)	(FCC) Fundamental emissions stay within authorized frequency block over the temperature and voltage range as tested (ISED) The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to the temperature and supply voltage variations specified in RSS-Gen.	PASS	Section 7.8
	Effective Radiated Power (LTE Band 71 and NR Band n71) (LTE Band 12/17 and NR Band 12)	27.50(c)(10)	RSS-130(4.6)	< 3 Watts max. ERP	PASS	Section 7.6
	Effective Radiated Power / Equivalent Isotropic Radiated Power (LTE Band 13)	27.50(b)(10)			PASS	Section 7.6
RADIATED	Equivalent Isotropic Radiated Power (WCDMA) (LTE Band 66/4 and NR Band n66) (NR Band n70)	27.50(d)(4)	RSS-139(5.5)	< 1 Watts max. EIRP	PASS	Section 7.6
	Radiated Spurious Emissions (LTE Band 13)	2.1053, 27.53(f)	RSS-130(4.7)	-13 dBm for all out-of-band emissions < -70 dBW/MHz (for wideband signals) < -80 dBW (for discrete emissions less than 700Hz BW) For all emissions in the band 1559 - 1610 MHz	PASS	Section 7.7
	Radiated Spurious Emissions	2.1053, 27.53	RSS-130(4.7) RSS-139(5.6)	-13 dBm for all out-of-band emissions	PASS	Section 7.7

Table 7-1. Summary of Test Results

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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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 ports 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 Element EMC Software Tool v1.1.
5. For radiated spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element "Chamber Automation," Version 3.6.1.

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7.2 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

KDB 971168 D01 v03r01 – Section 4.2

RSS-Gen(5.1)

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

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Test Setup

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

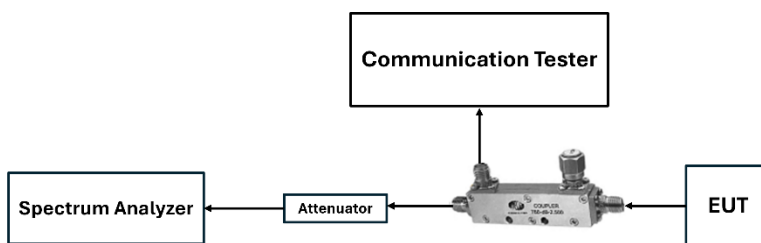


Figure 7-1. LTE Test Instrument & Measurement Setup

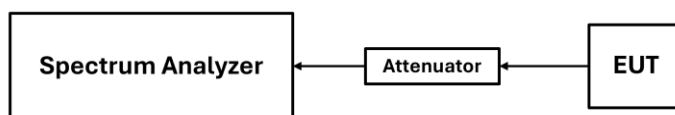


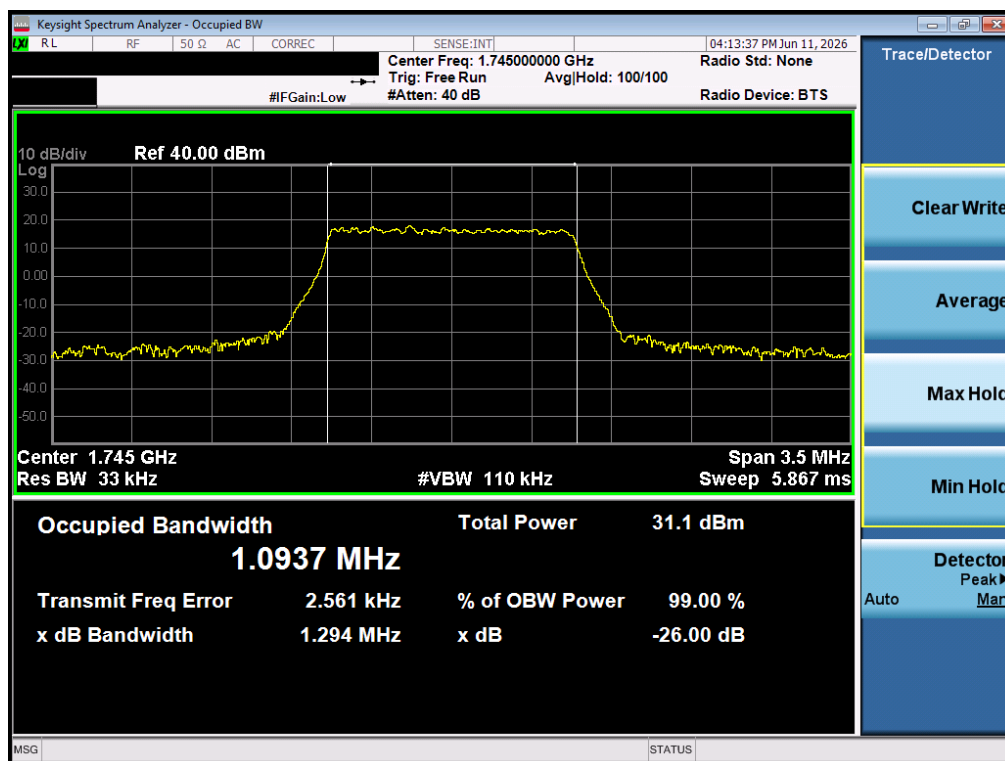
Figure 7-2. FR1 Test Instrument & Measurement Setup

Test Notes

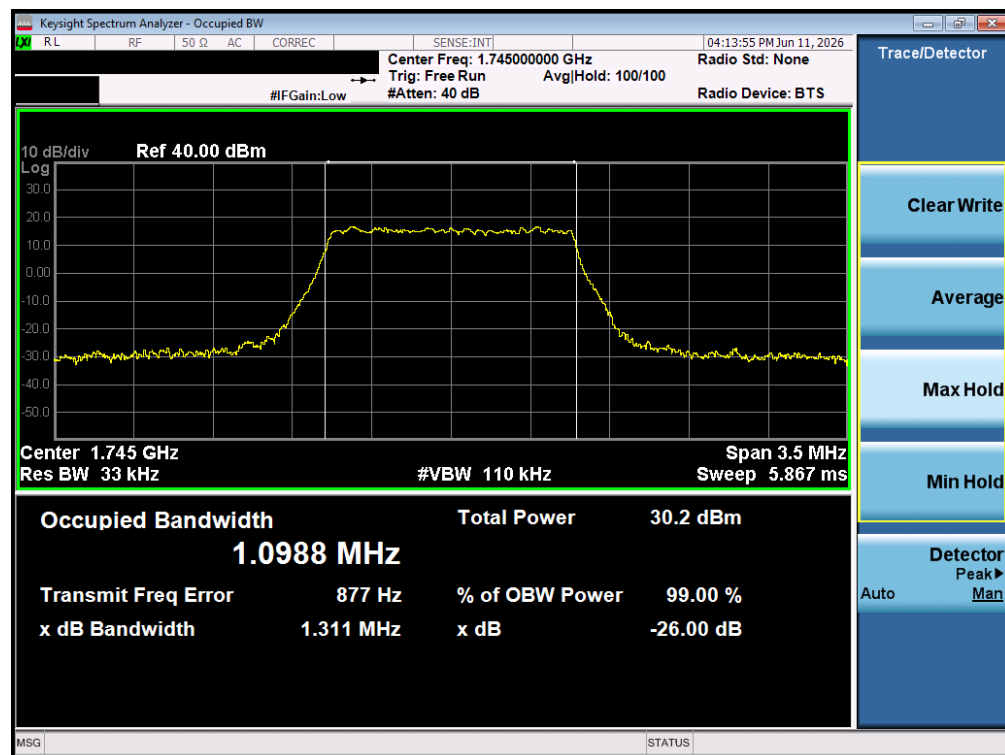
- For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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LTE Band 66/4



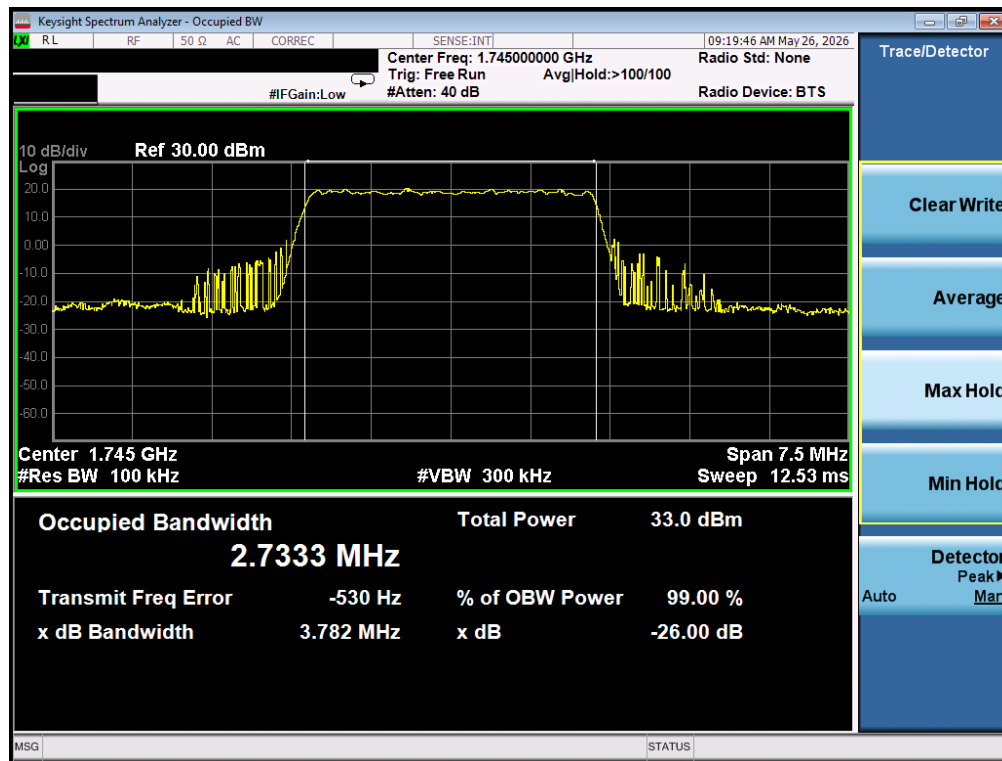
Plot 7-1. Occupied Bandwidth Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB)



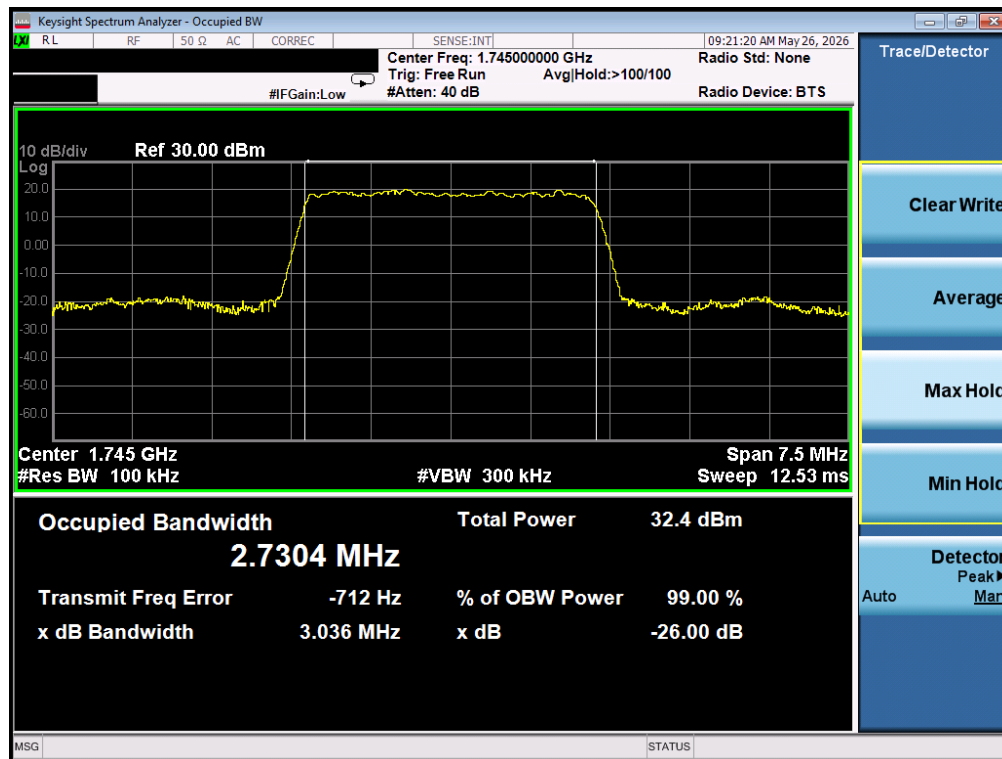
Plot 7-2. Occupied Bandwidth Plot (LTE Band 66/4 - 1.4MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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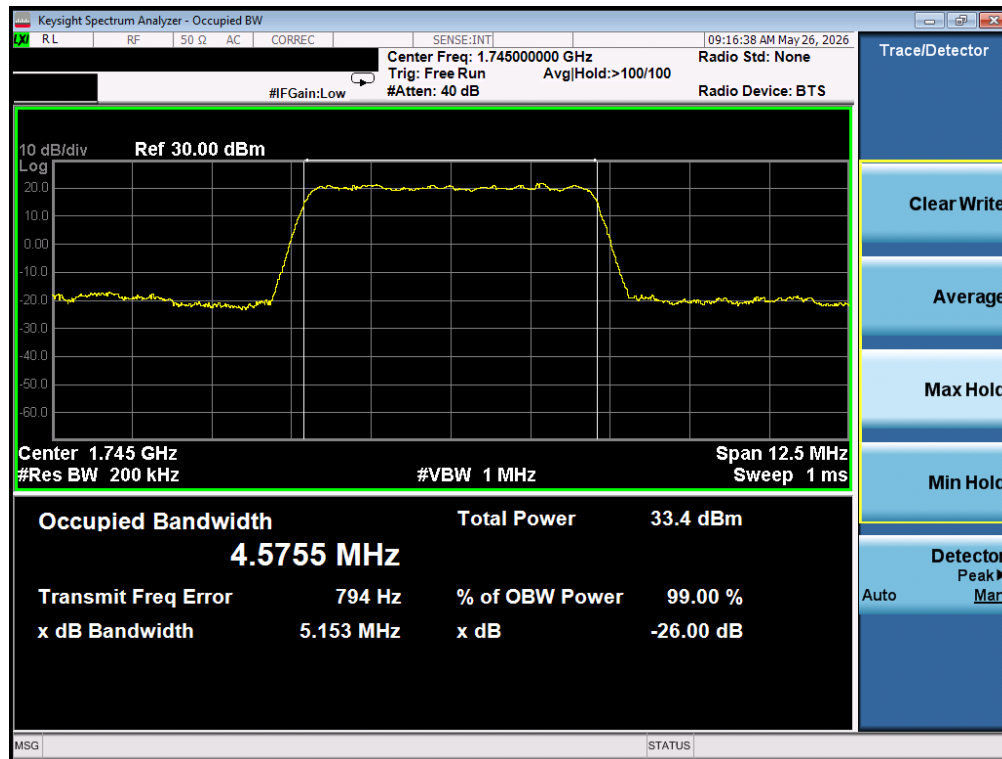


Plot 7-3. Occupied Bandwidth Plot (LTE Band 66/4 - 3MHz QPSK - Full RB)



Plot 7-4. Occupied Bandwidth Plot (LTE Band 66/4 - 3MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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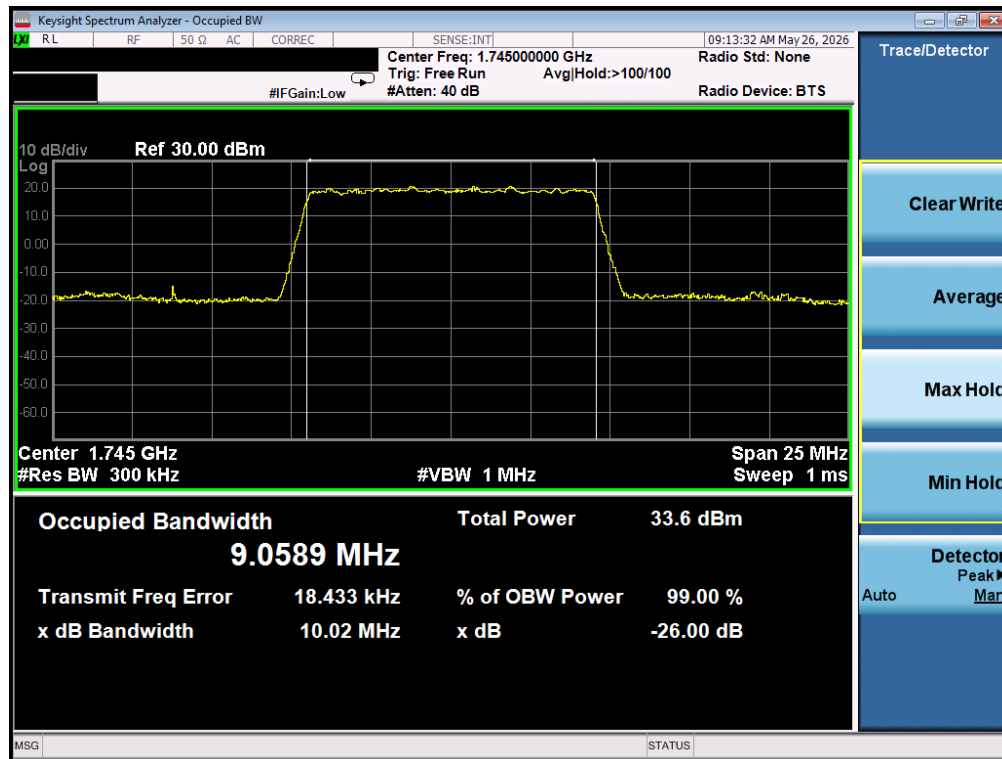


Plot 7-5. Occupied Bandwidth Plot (LTE Band 66/4 - 5MHz QPSK - Full RB)

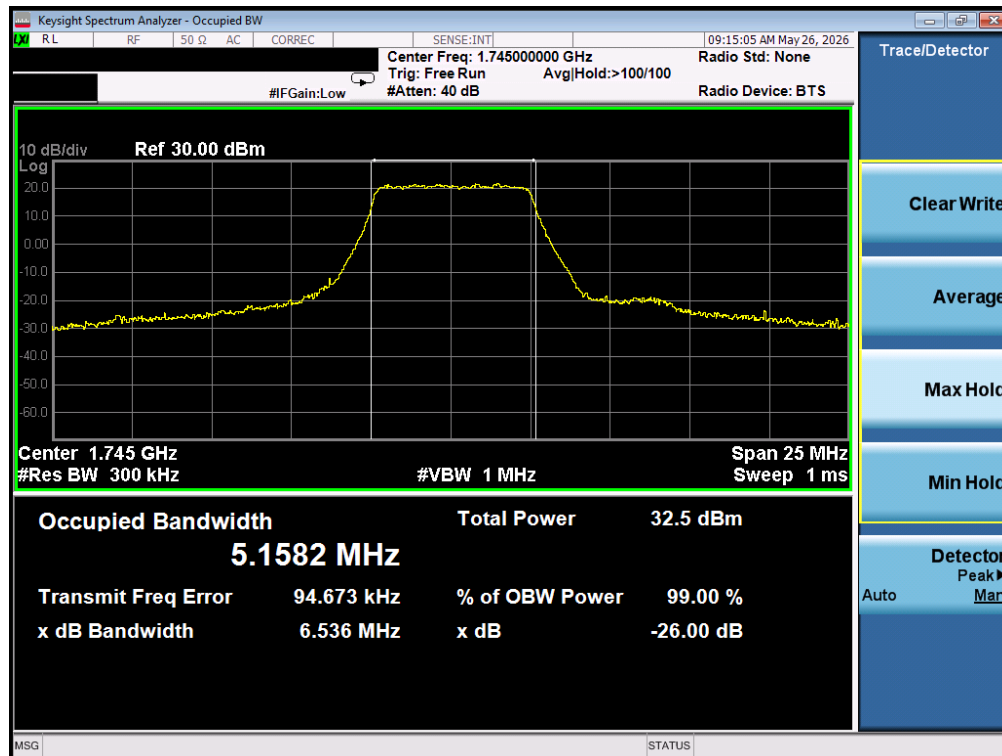


Plot 7-6. Occupied Bandwidth Plot (LTE Band 66/4 - 5MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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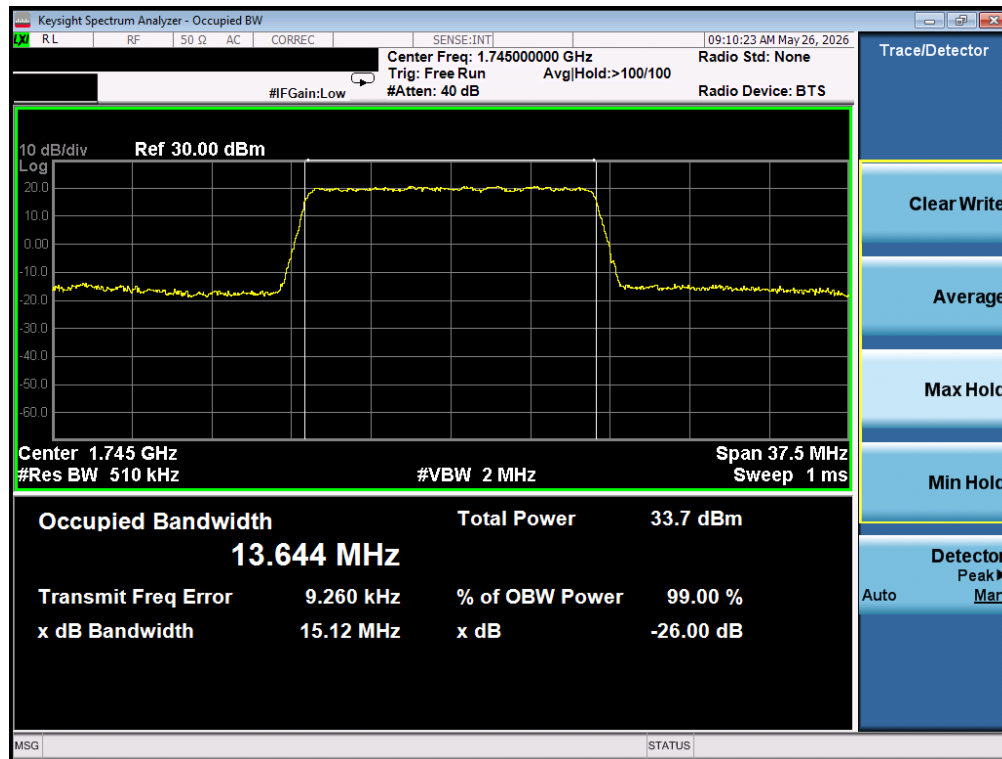


Plot 7-7. Occupied Bandwidth Plot (LTE Band 66/4 - 10MHz QPSK - Full RB)

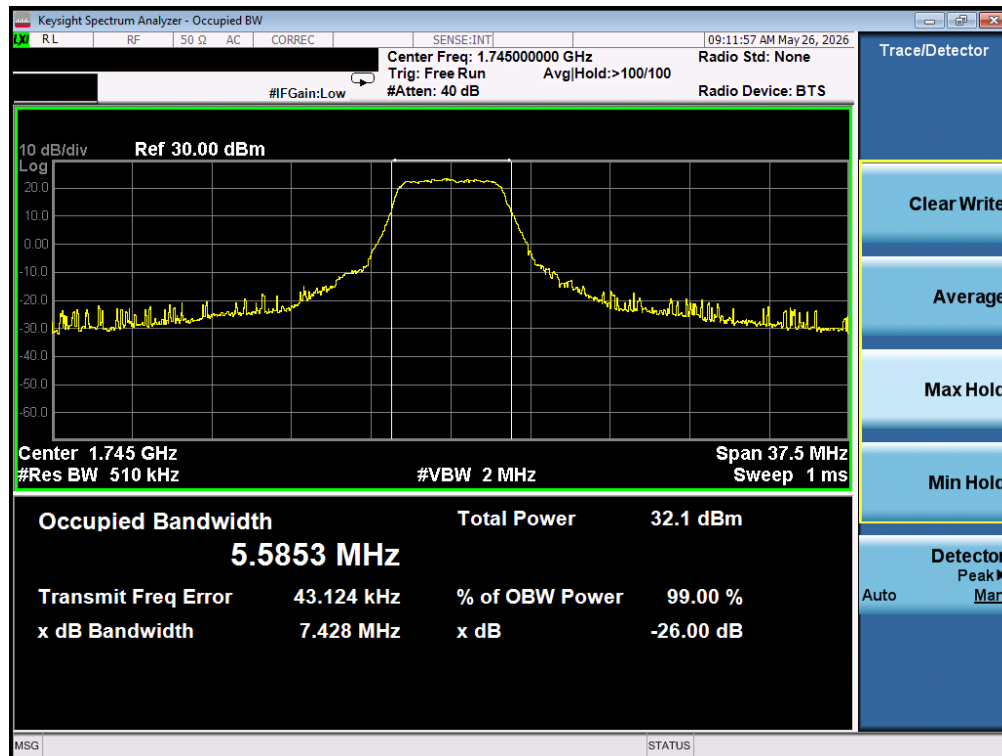


Plot 7-8. Occupied Bandwidth Plot (LTE Band 66/4 - 10MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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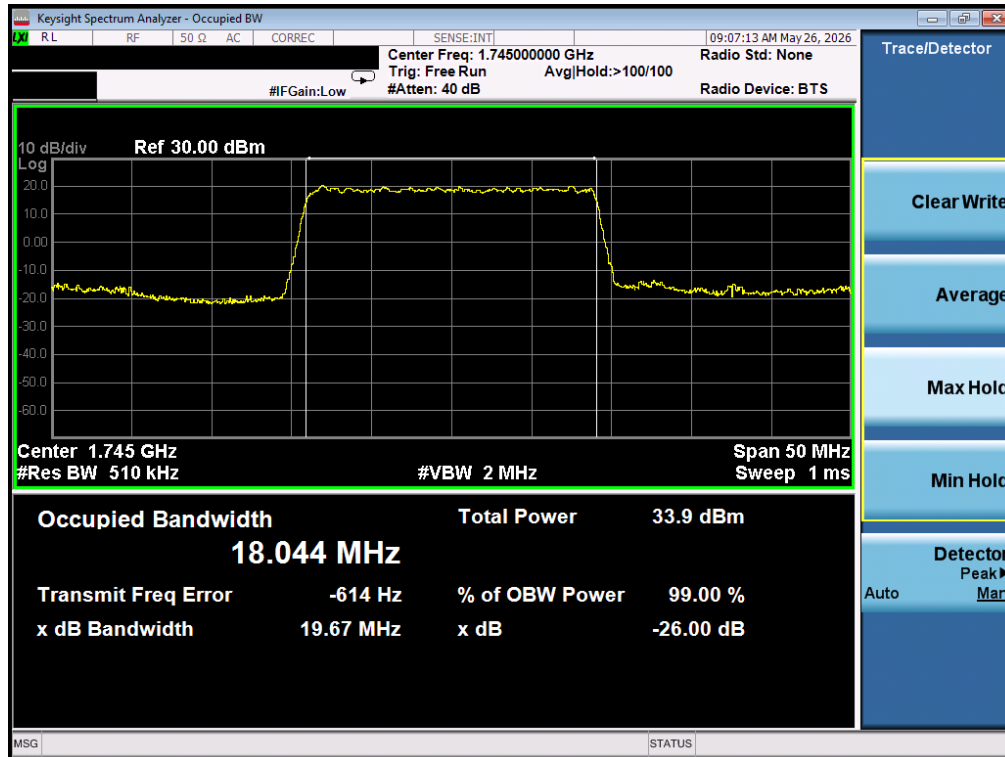


Plot 7-9. Occupied Bandwidth Plot (LTE Band 66/4 - 15MHz QPSK - Full RB)

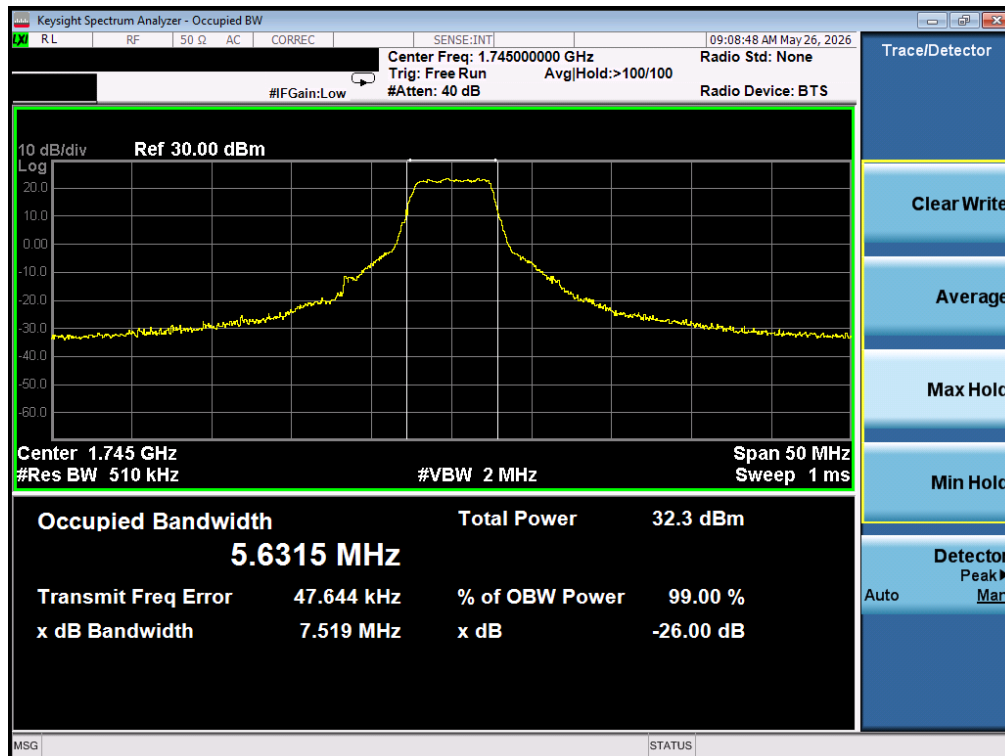


Plot 7-10. Occupied Bandwidth Plot (LTE Band 66/4 - 15MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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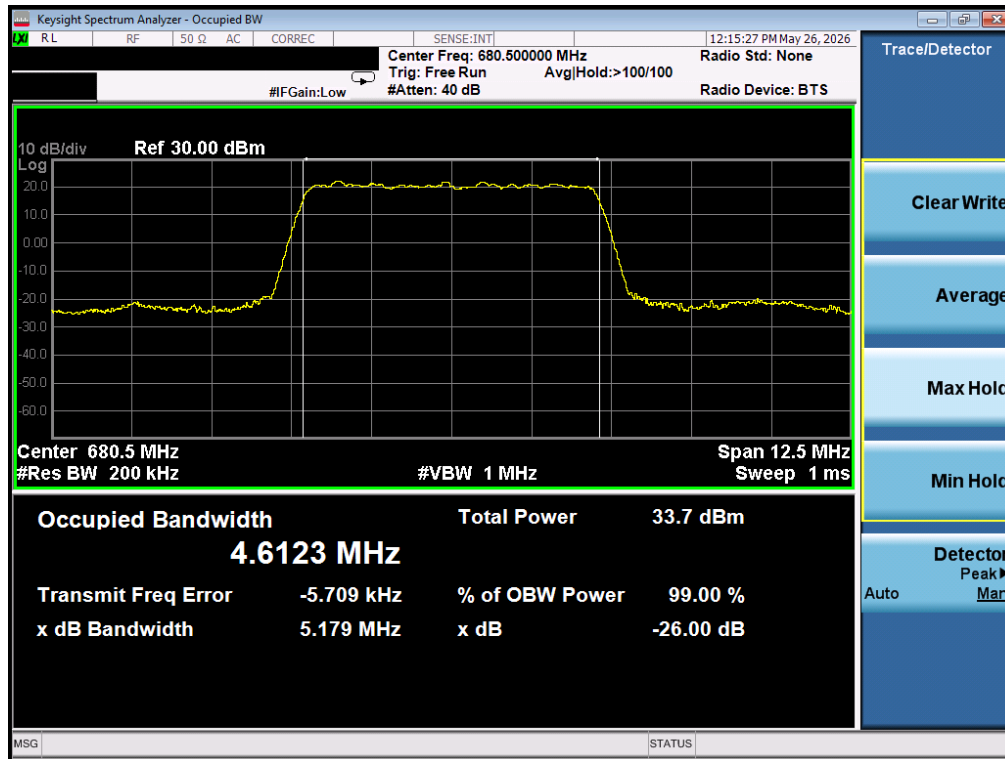
Plot 7-11. Occupied Bandwidth Plot (LTE Band 66/4 - 20MHz QPSK - Full RB)



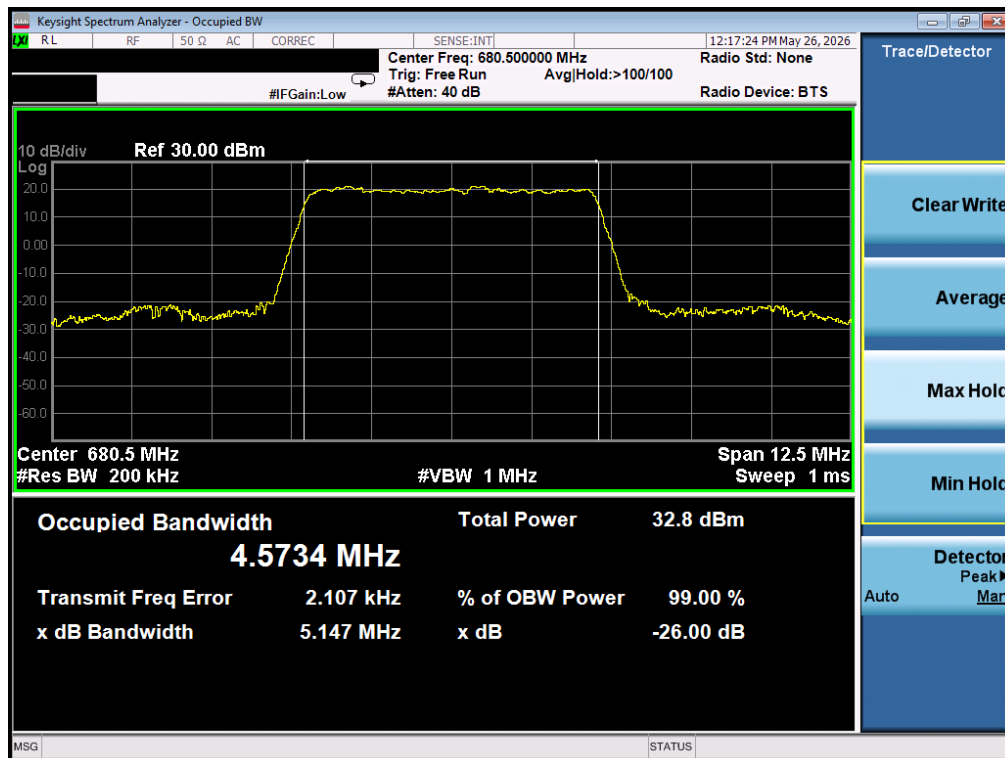
Plot 7-12. Occupied Bandwidth Plot (LTE Band 66/4 - 20MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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LTE Band 71

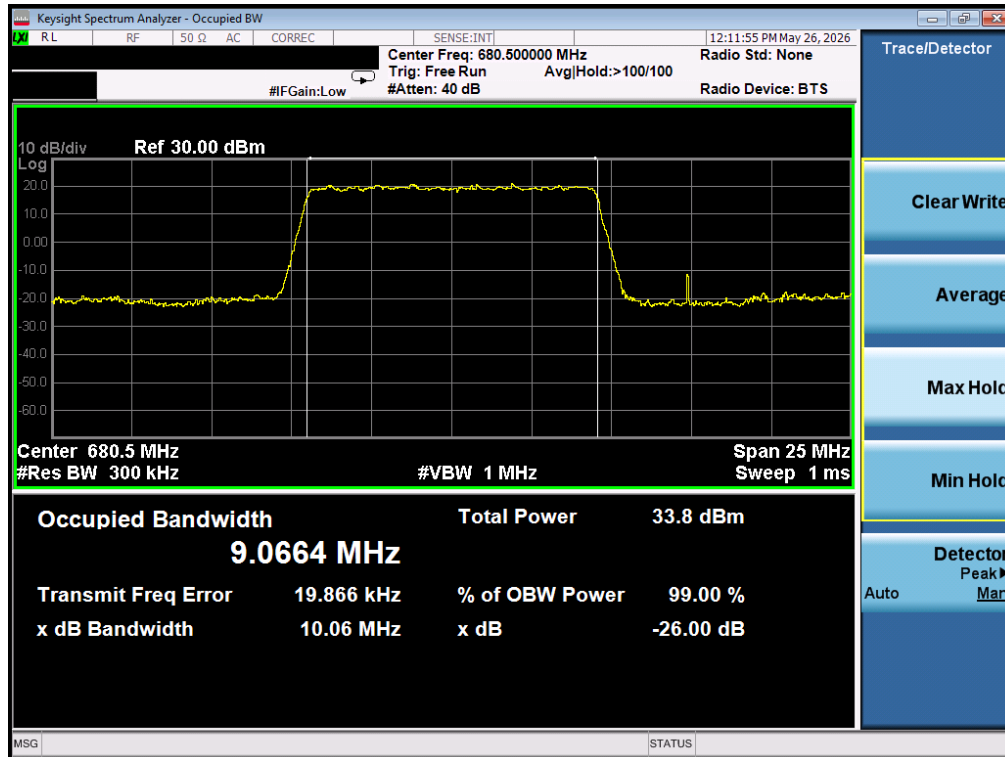


Plot 7-13. Occupied Bandwidth Plot (LTE Band 71 - 5MHz QPSK - Full RB)

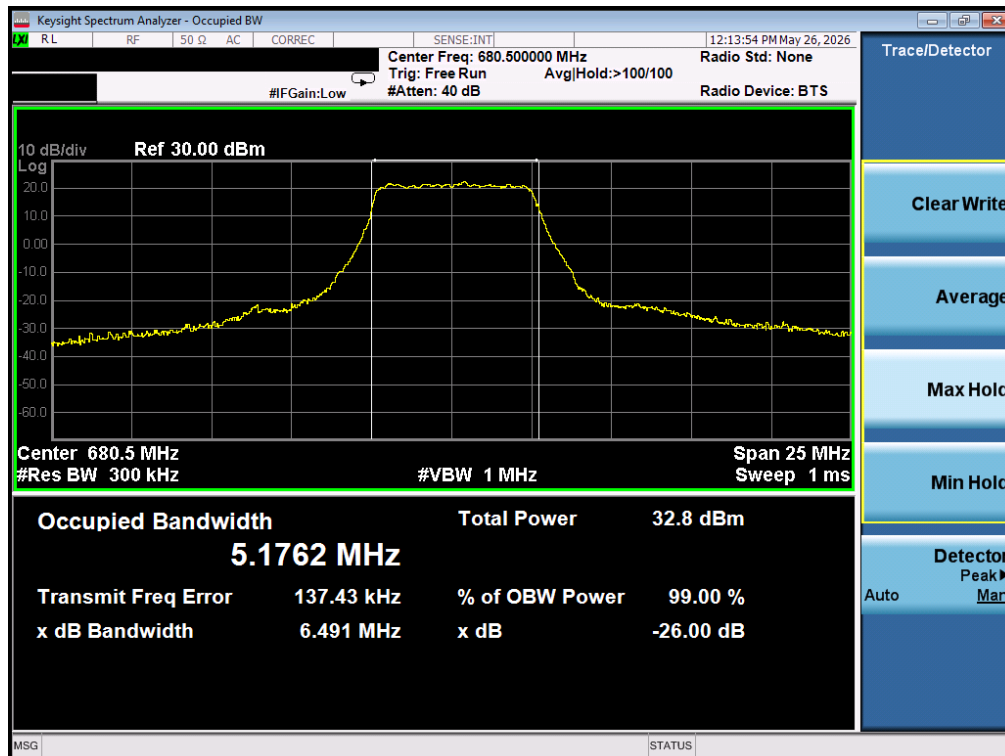


Plot 7-14. Occupied Bandwidth Plot (LTE Band 71 - 5MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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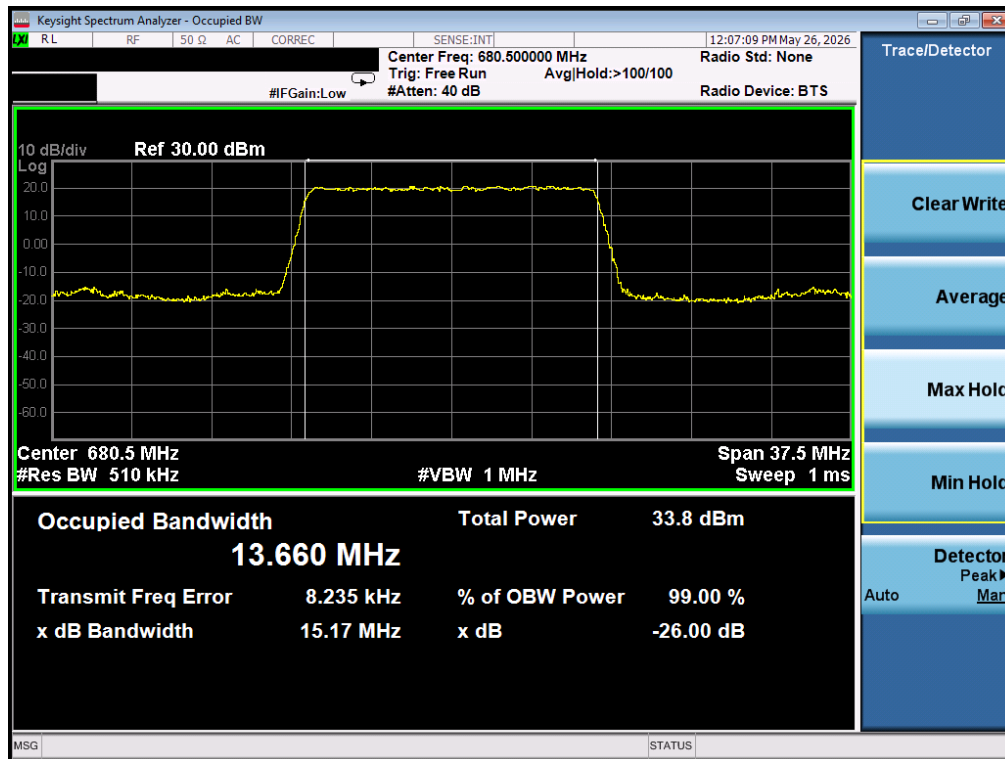


Plot 7-15. Occupied Bandwidth Plot (LTE Band 71 - 10MHz QPSK - Full RB)

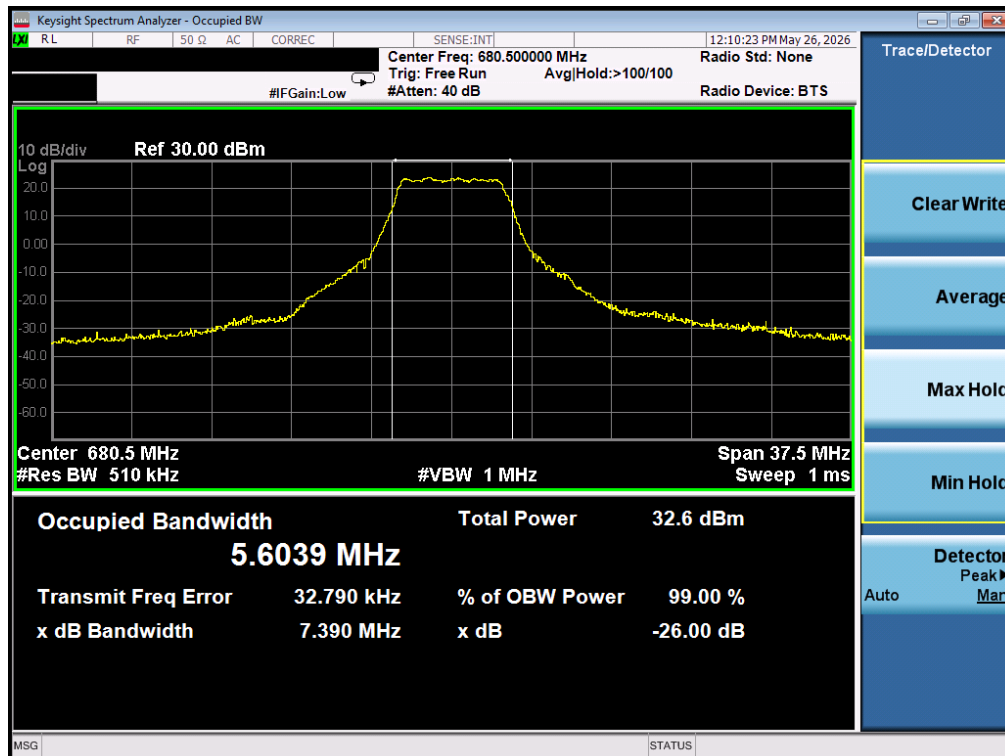


Plot 7-16. Occupied Bandwidth Plot (LTE Band 71 - 10MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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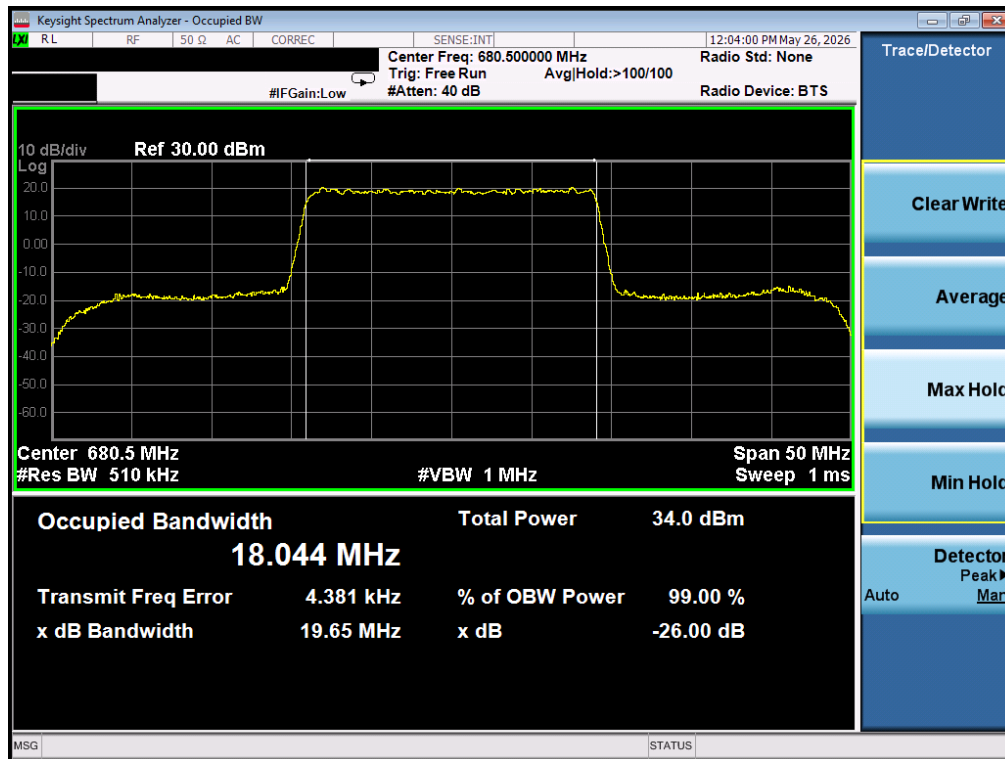


Plot 7-17. Occupied Bandwidth Plot (LTE Band 71 - 15MHz QPSK - Full RB)

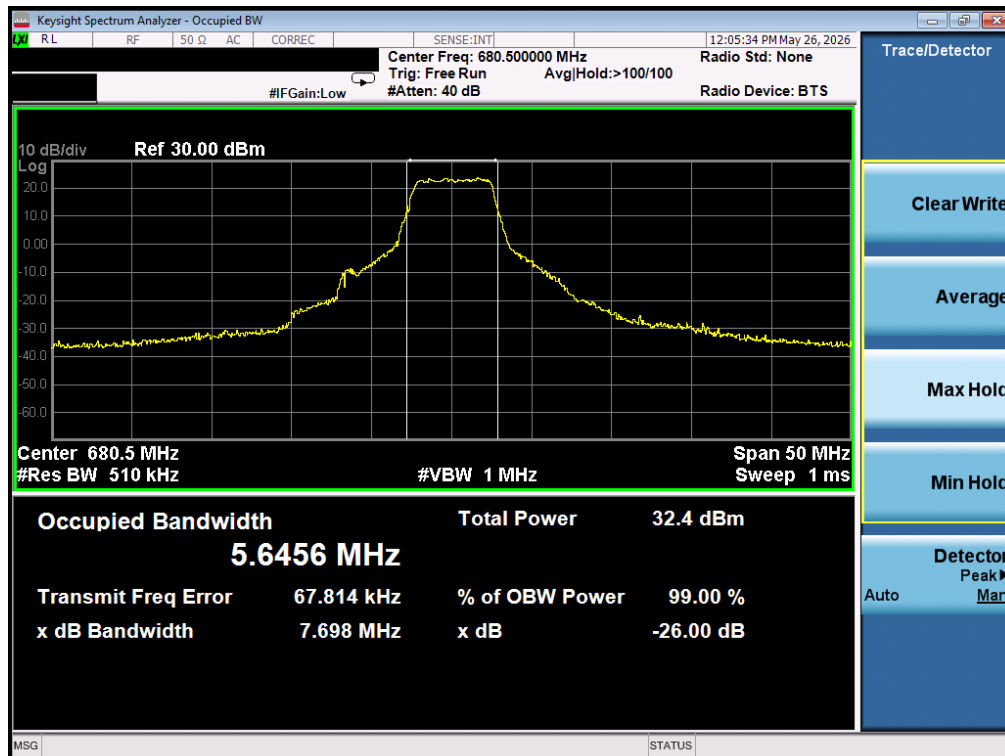


Plot 7-18. Occupied Bandwidth Plot (LTE Band 71 - 15MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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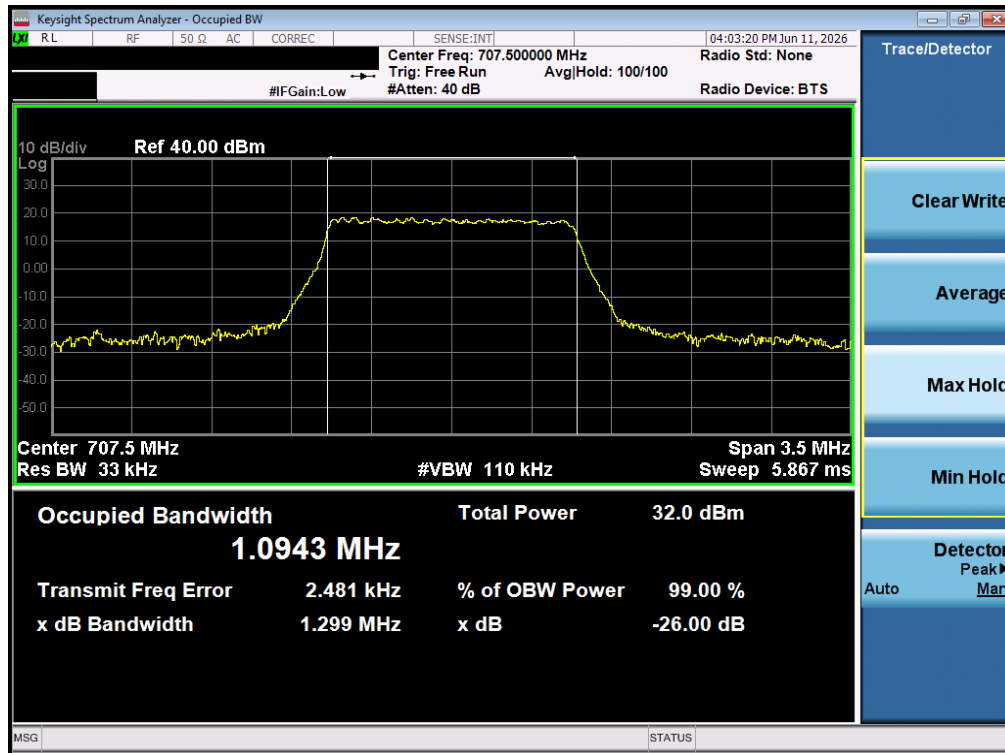
Plot 7-19. Occupied Bandwidth Plot (LTE Band 71 - 20MHz QPSK - Full RB)



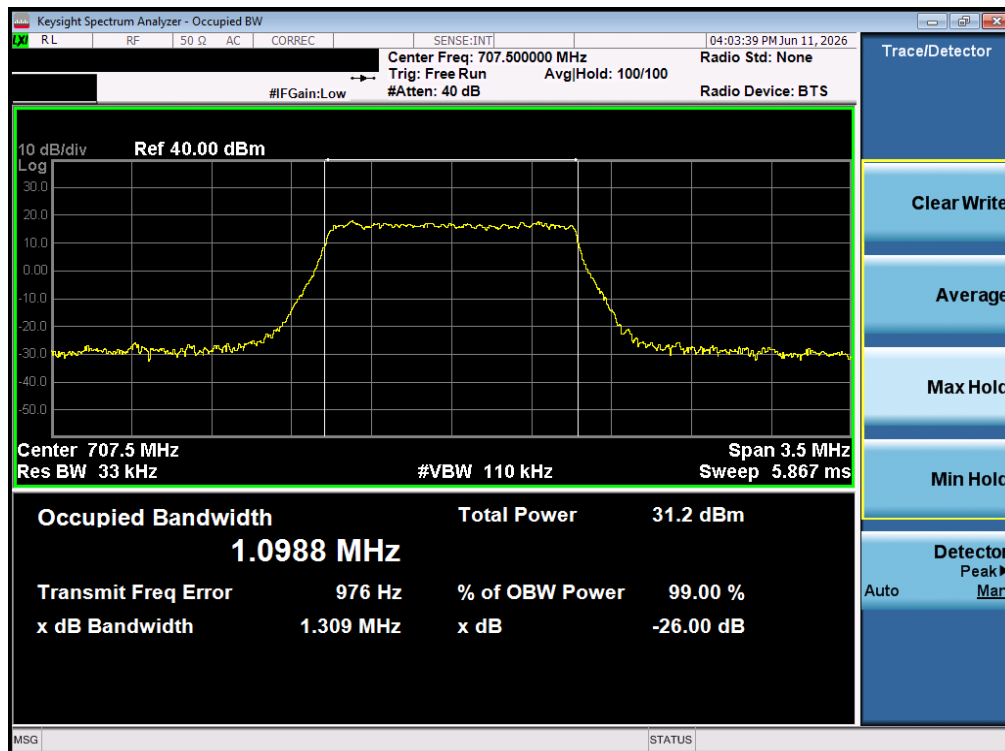
Plot 7-20. Occupied Bandwidth Plot (LTE Band 71 - 20MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 27 of 219

LTE Band 12/17

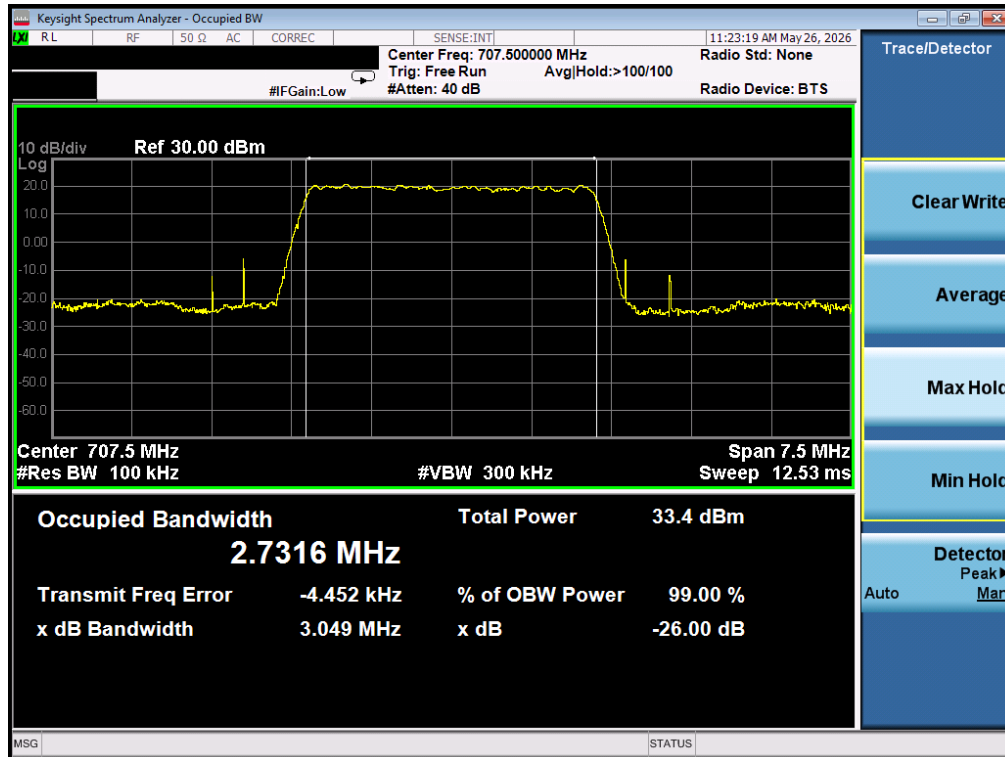


Plot 7-21. Occupied Bandwidth Plot (LTE Band 12 – 1.4MHz QPSK - Full RB)

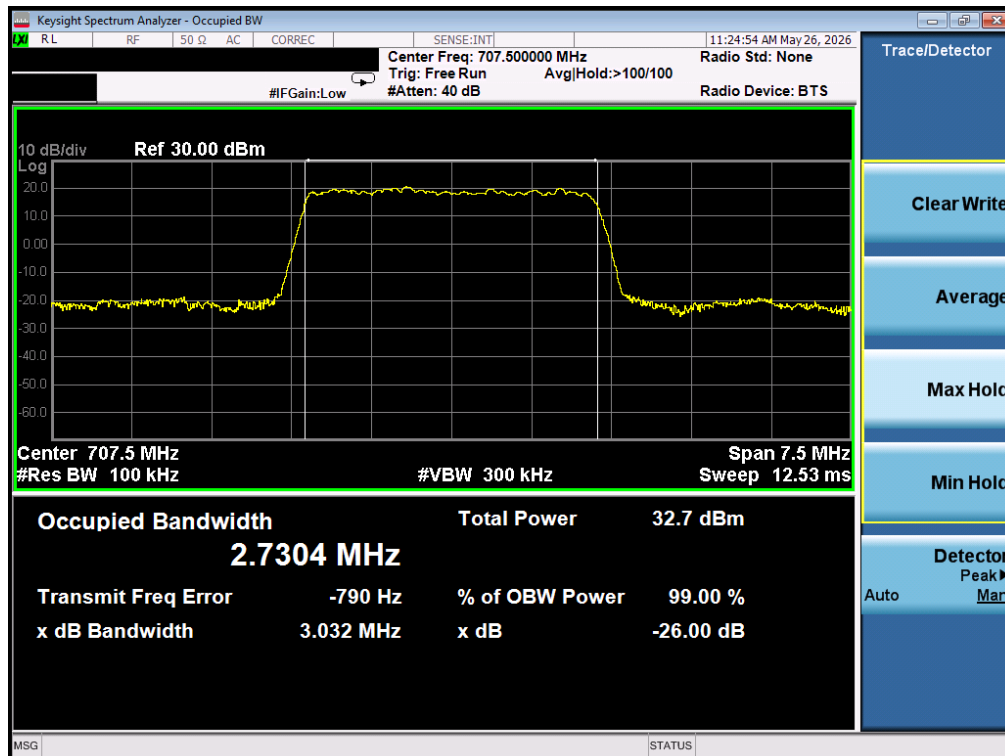


Plot 7-22. Occupied Bandwidth Plot (LTE Band 12 – 1.4MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 28 of 219

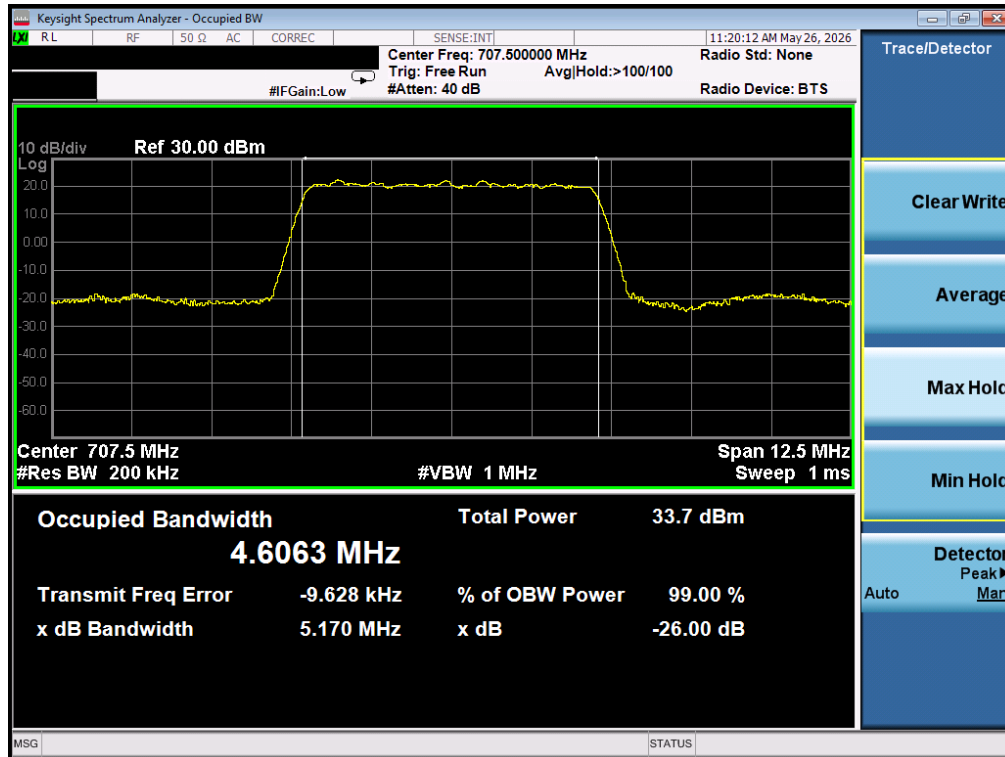


Plot 7-23. Occupied Bandwidth Plot (LTE Band 12 - 3MHz QPSK - Full RB)

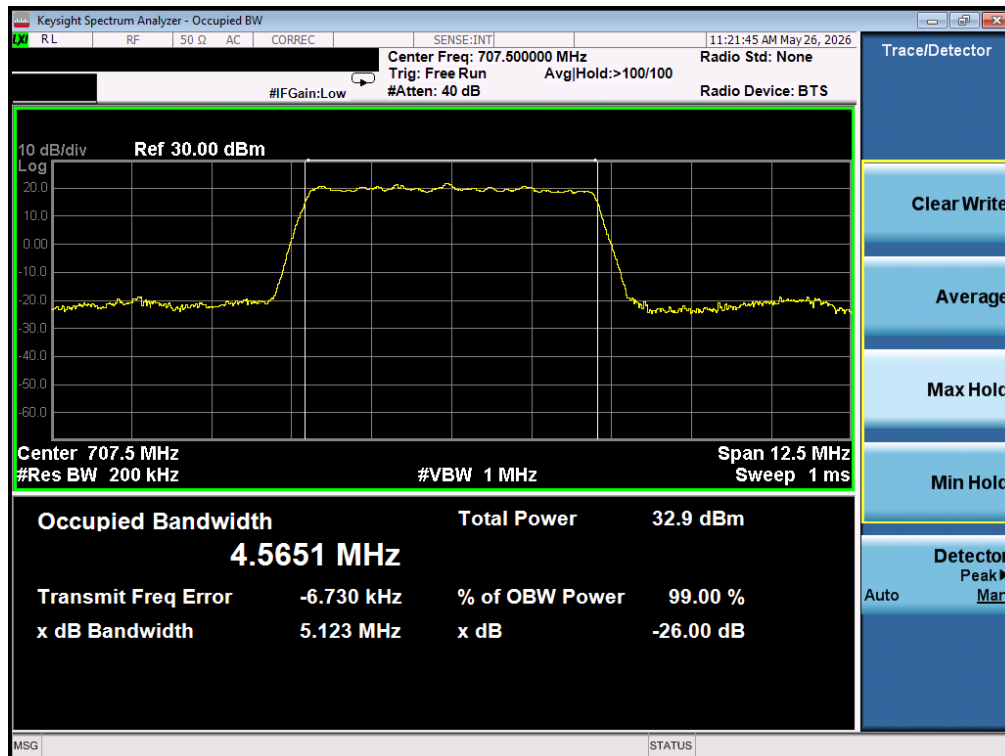


Plot 7-24. Occupied Bandwidth Plot (LTE Band 12 - 3MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 29 of 219

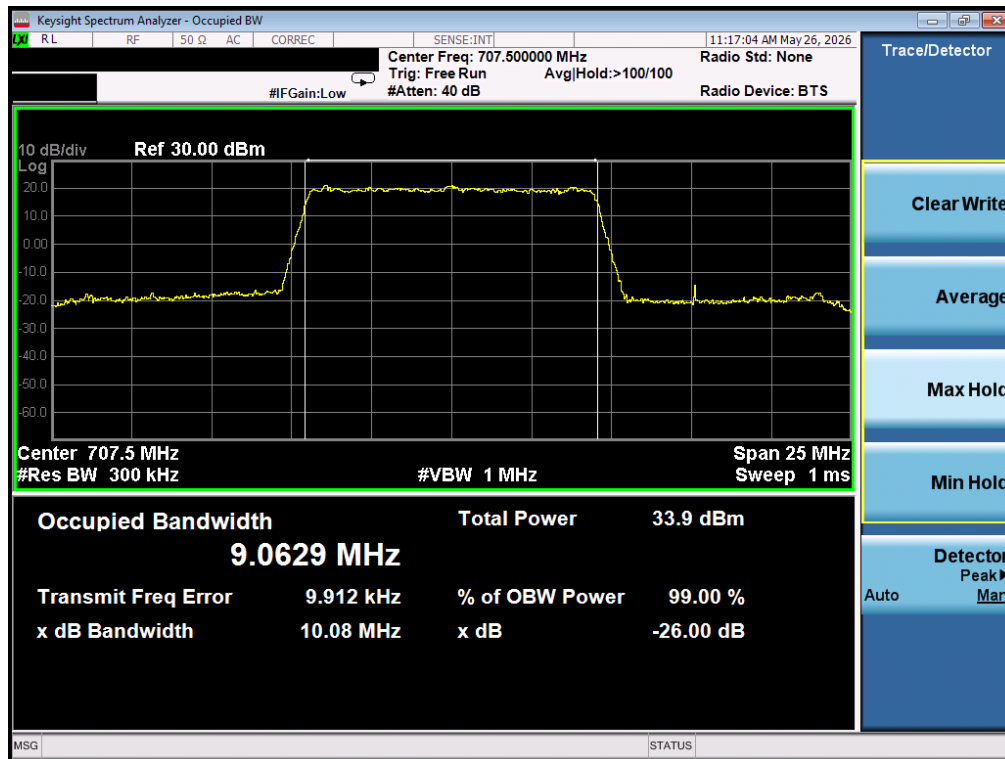


Plot 7-25. Occupied Bandwidth Plot (LTE Band 12/17 - 5MHz QPSK - Full RB)

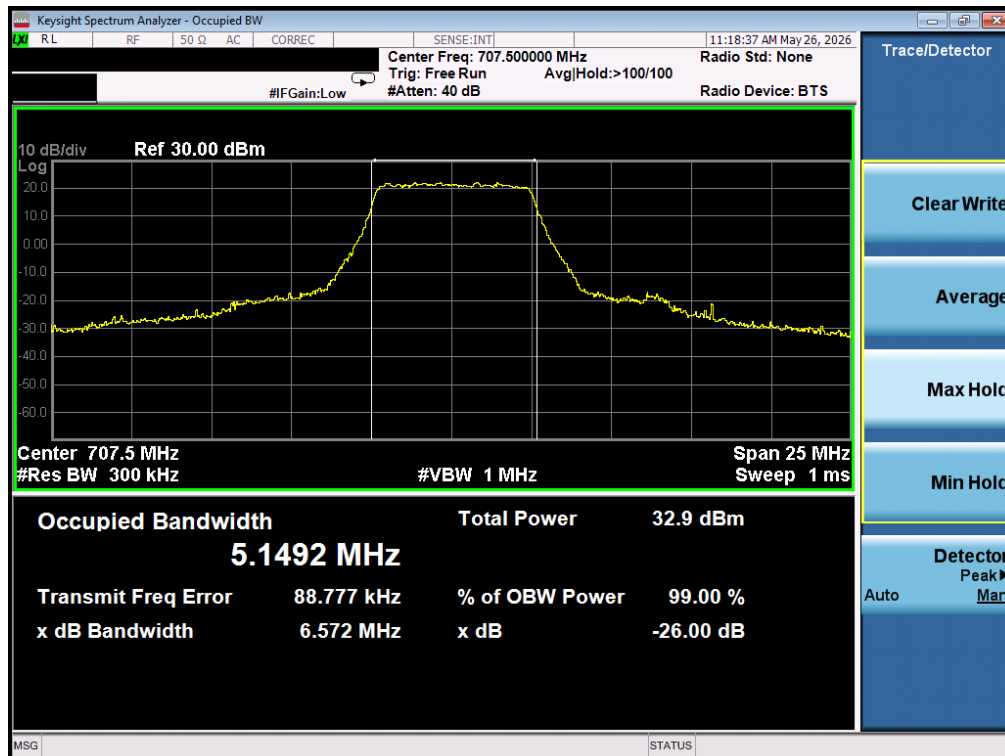


Plot 7-26. Occupied Bandwidth Plot (LTE Band 12/17 - 5MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 30 of 219



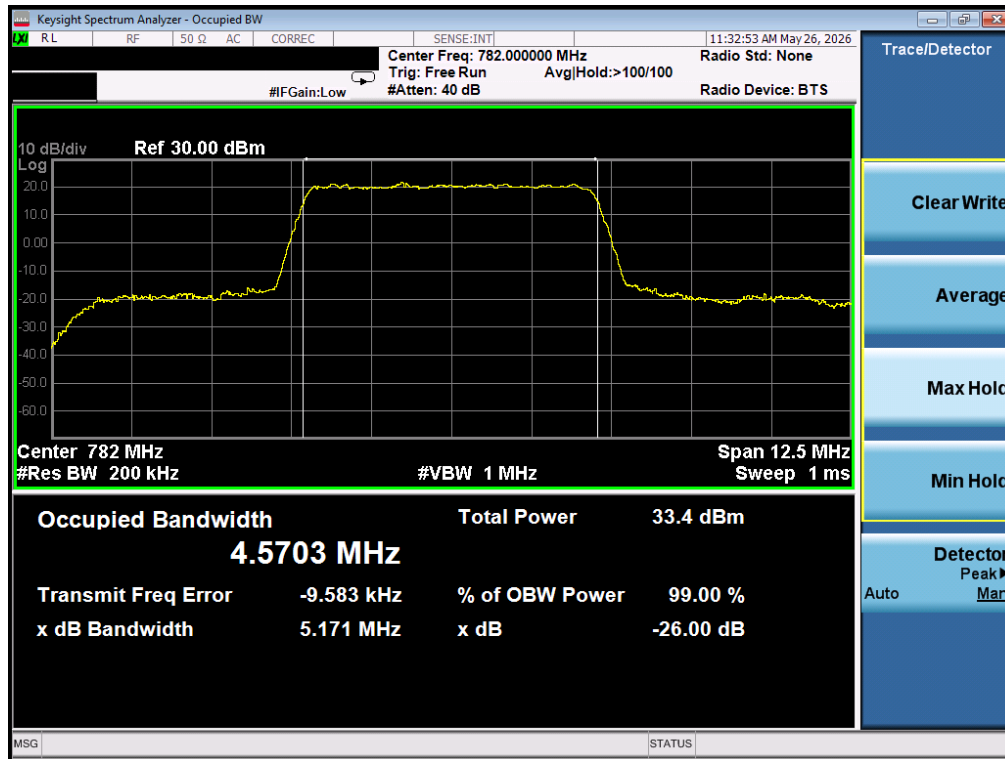
Plot 7-27. Occupied Bandwidth Plot (LTE Band 12/17 - 10MHz QPSK - Full RB)



Plot 7-28. Occupied Bandwidth Plot (LTE Band 12/17 - 10MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 31 of 219

LTE Band 13

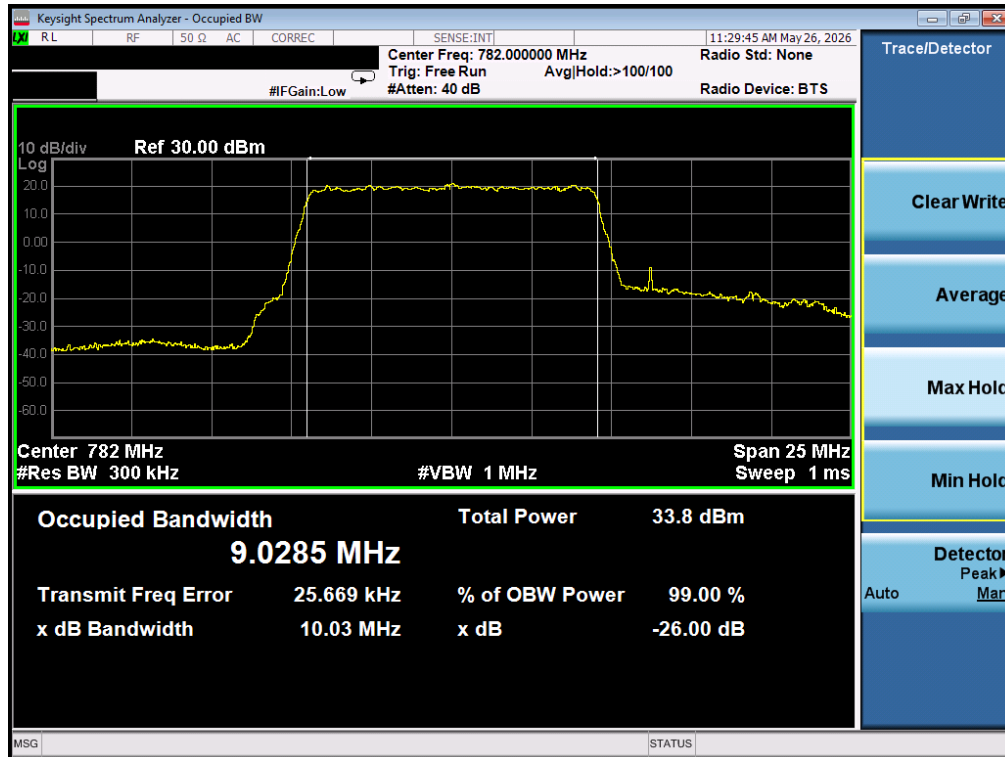


Plot 7-29. Occupied Bandwidth Plot (LTE Band 13 - 5MHz QPSK - Full RB)

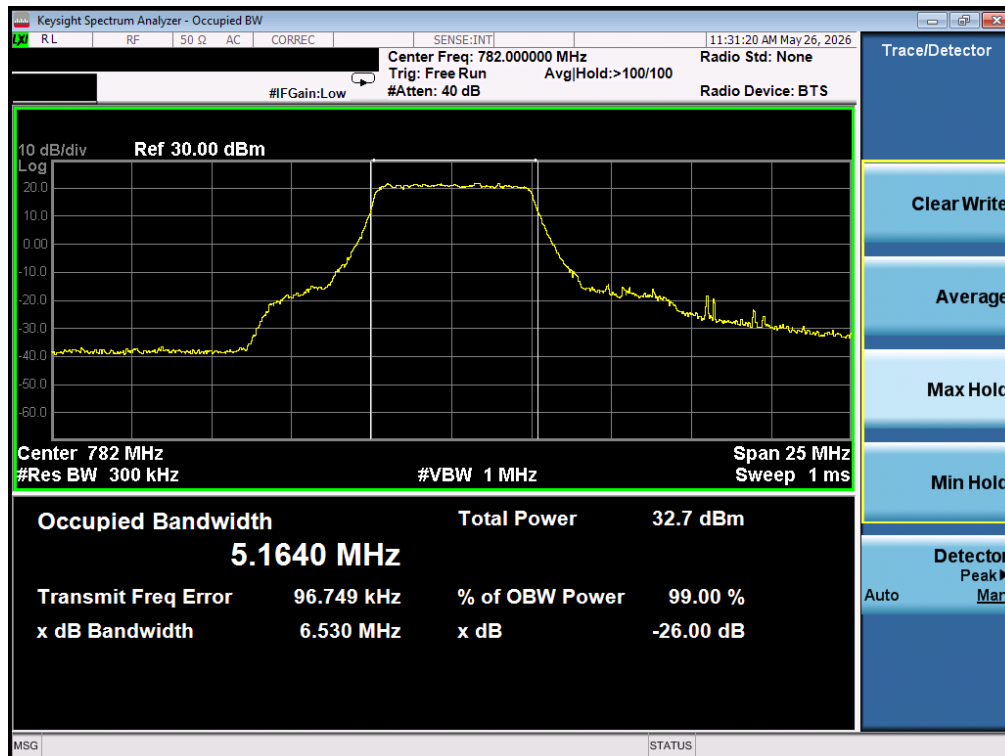


Plot 7-30. Occupied Bandwidth Plot (LTE Band 13 - 5MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 32 of 219



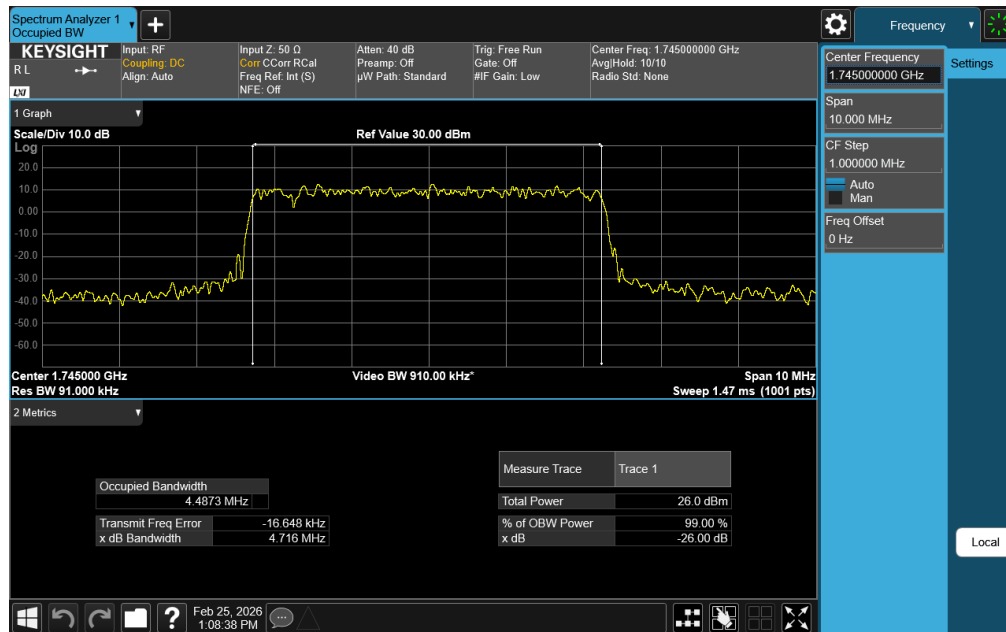
Plot 7-31. Occupied Bandwidth Plot (LTE Band 13 - 10MHz QPSK - Full RB)



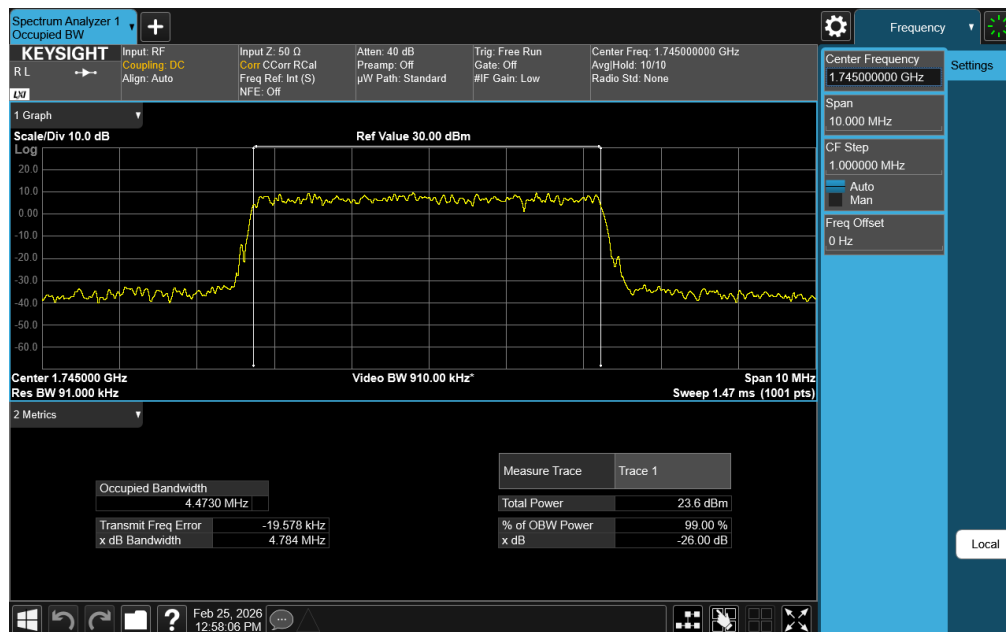
Plot 7-32. Occupied Bandwidth Plot (LTE Band 13 - 10MHz 16-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 33 of 219

NR Band n66



Plot 7-33. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

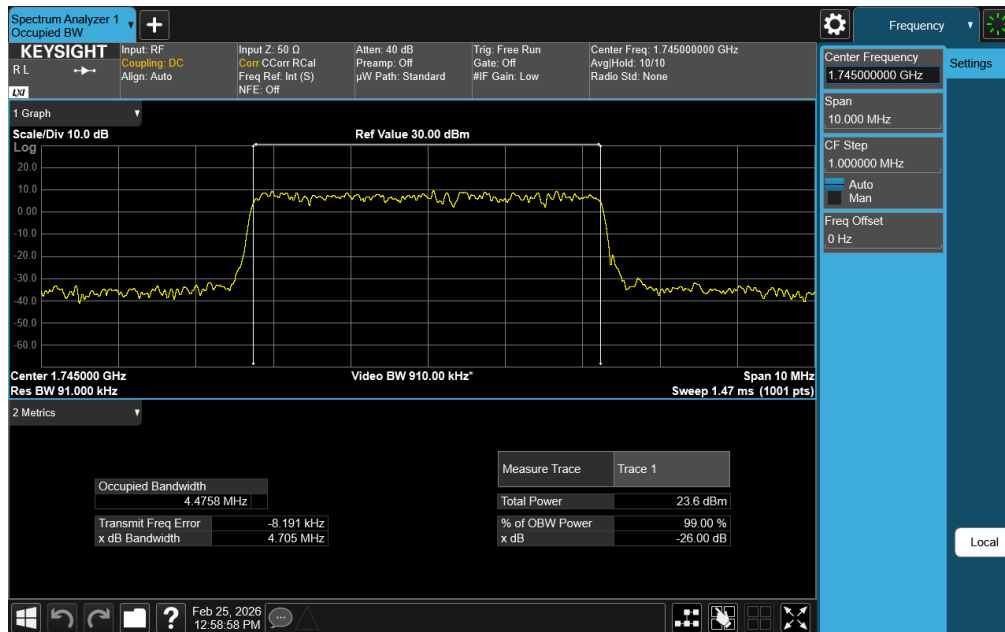


Plot 7-34. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz CP-OFDM QPSK - Full RB)

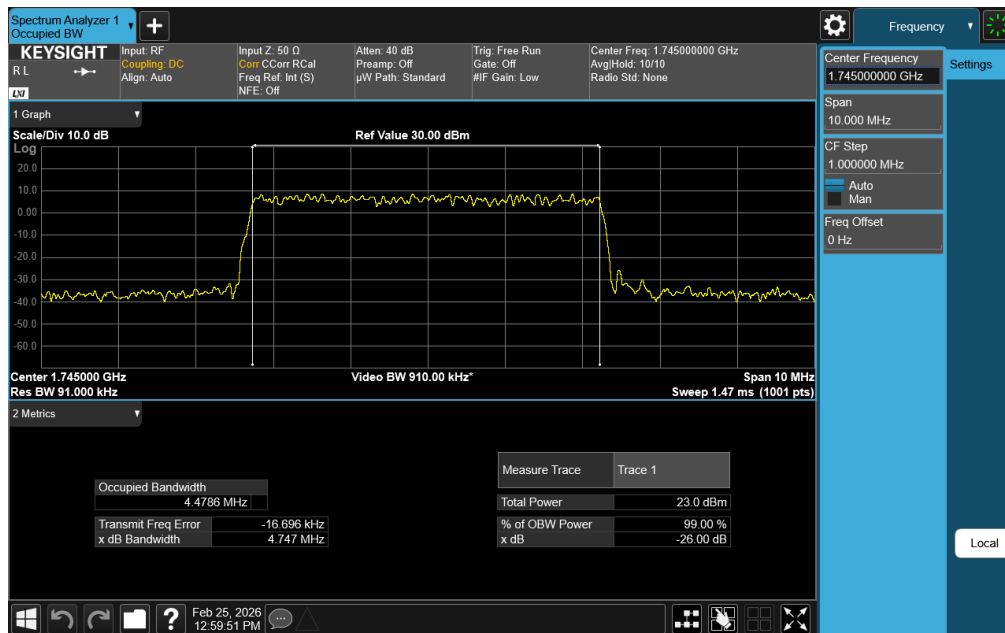
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 34 of 219

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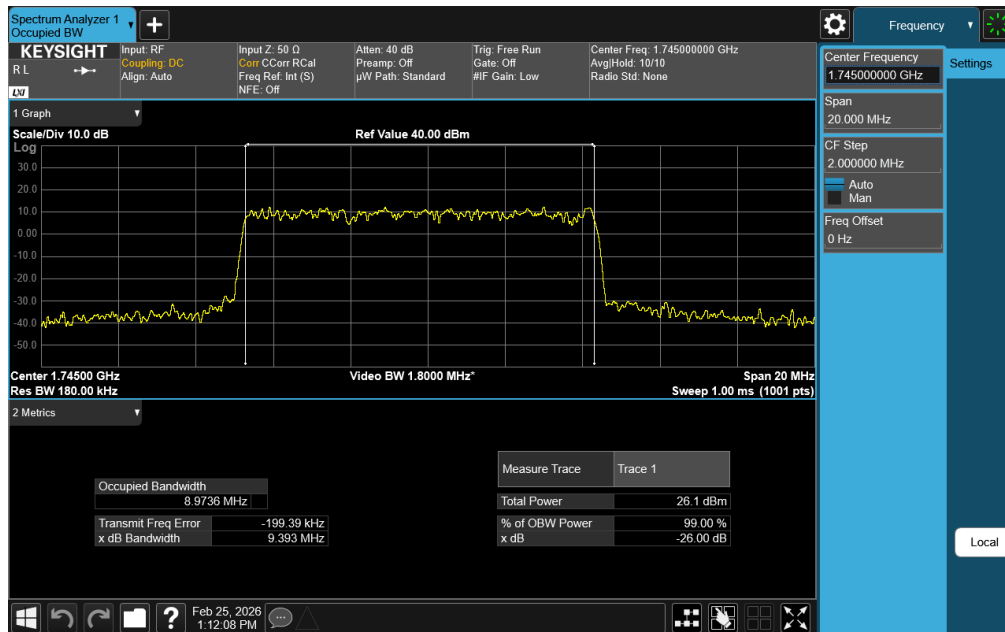


Plot 7-35. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz CP-OFDM 16QAM - Full RB)

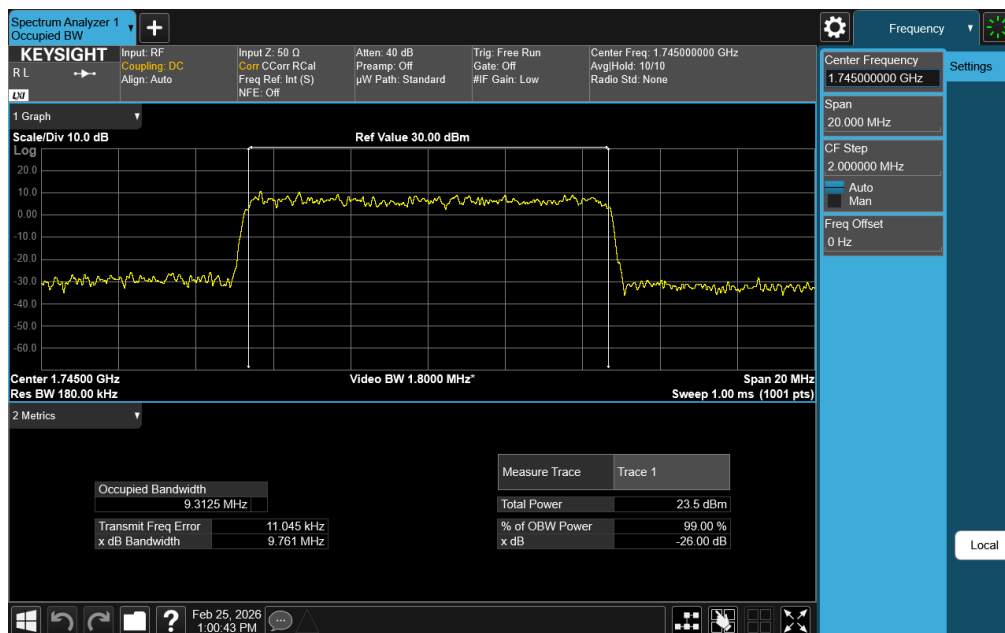


Plot 7-36. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz CP-OFDM 64QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-37. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

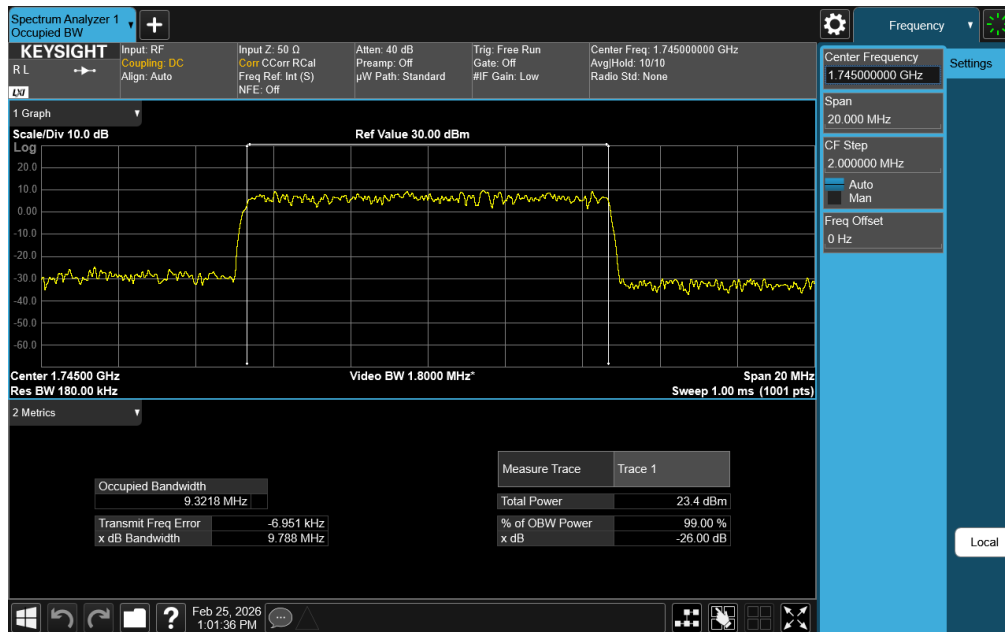


Plot 7-38. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB)

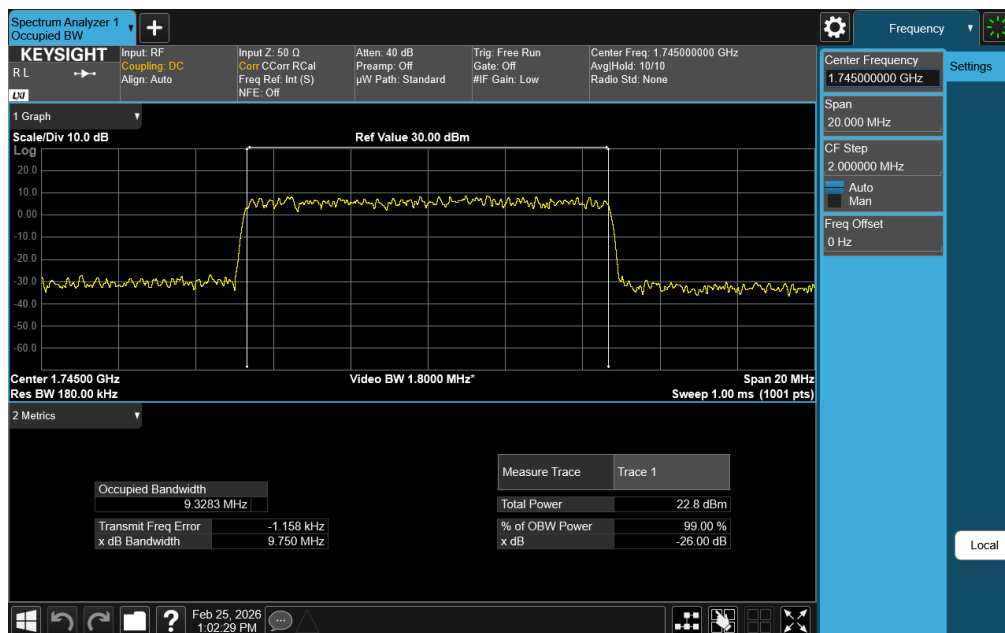
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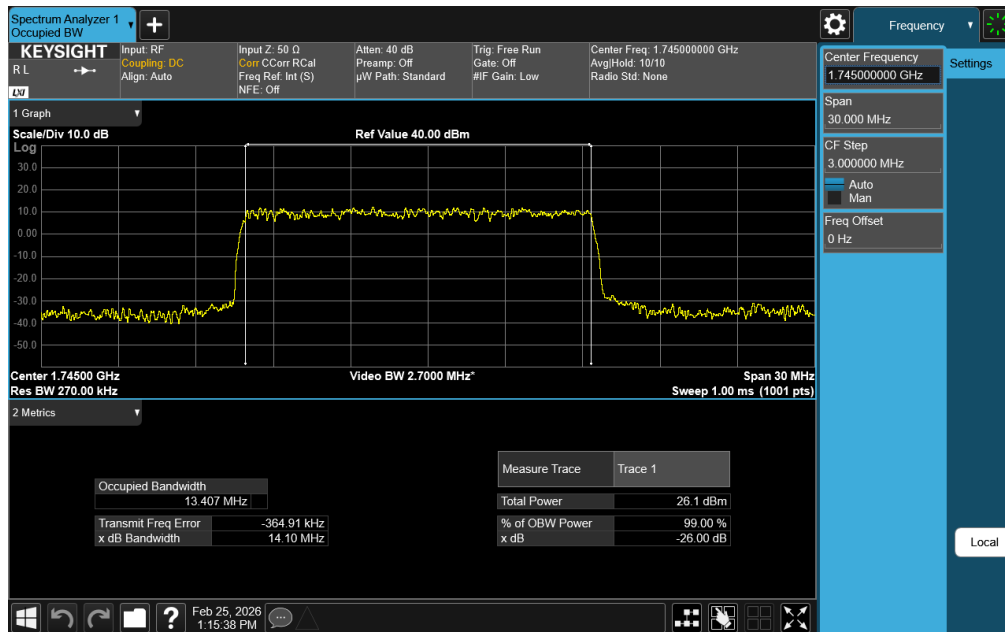


Plot 7-39. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz CP-OFDM 16QAM - Full RB)

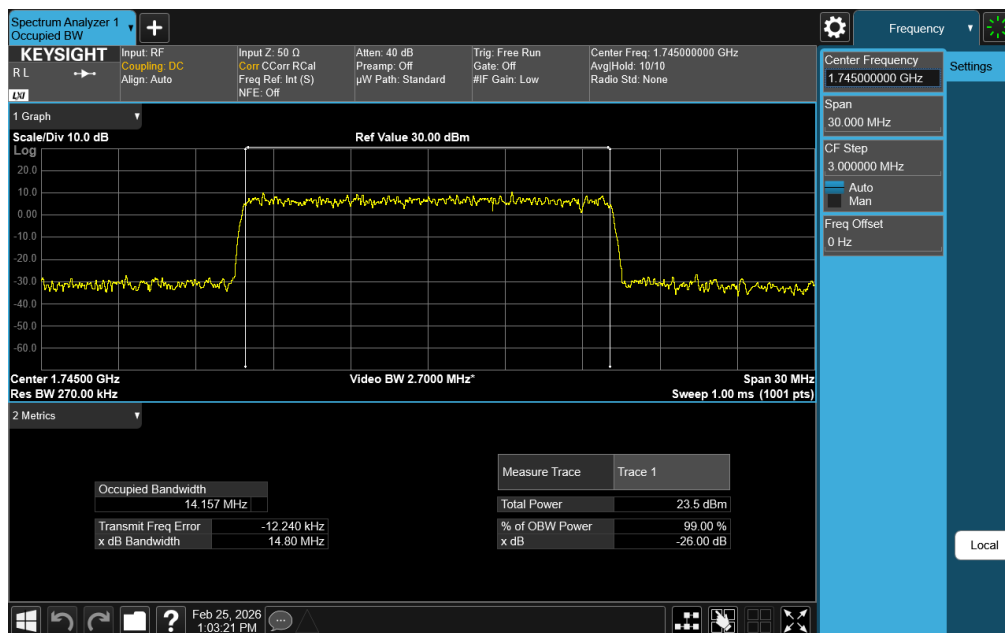


Plot 7-40. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz CP-OFDM 64QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 37 of 219



Plot 7-41. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

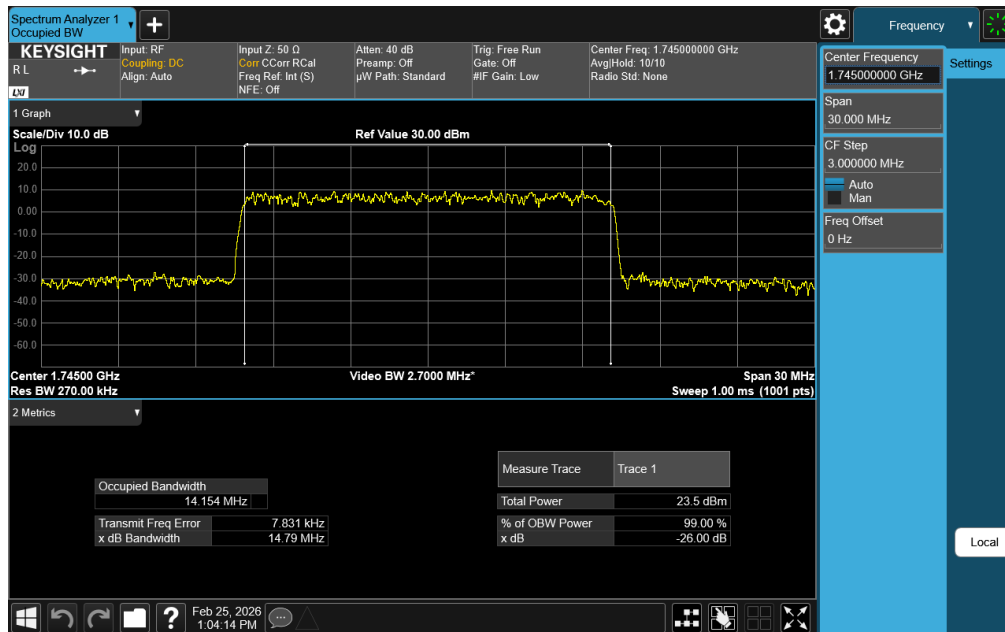


Plot 7-42. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz CP-OFDM QPSK - Full RB)

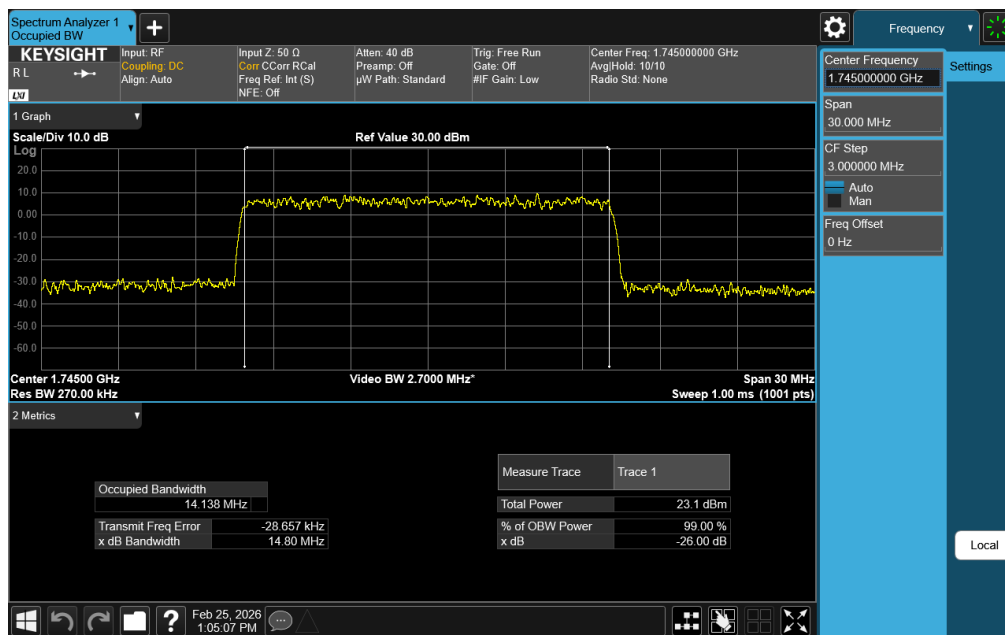
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-43. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz CP-OFDM 16QAM - Full RB)

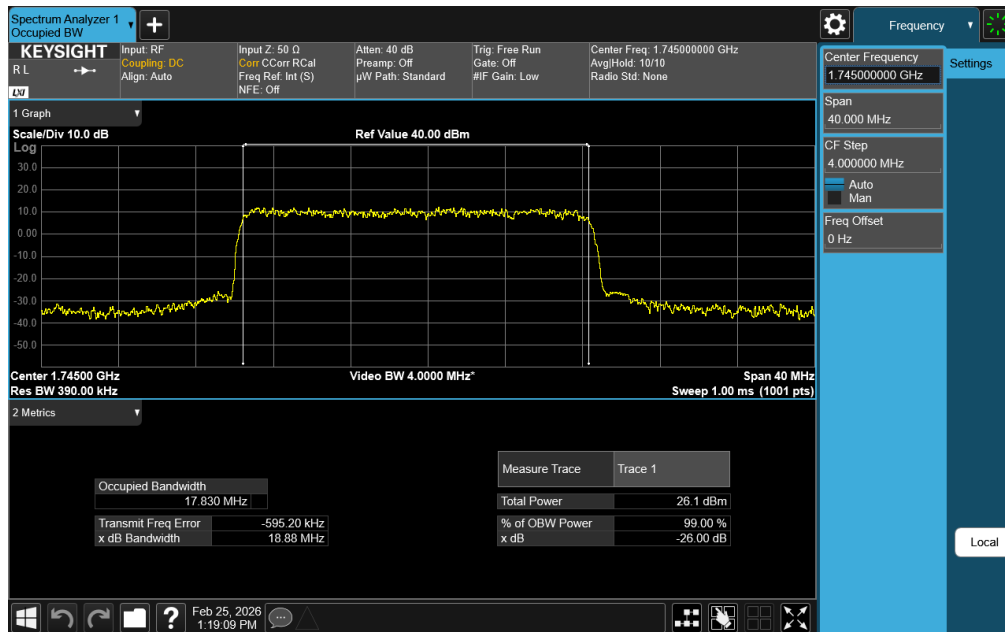


Plot 7-44. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz CP-OFDM 64QAM - Full RB)

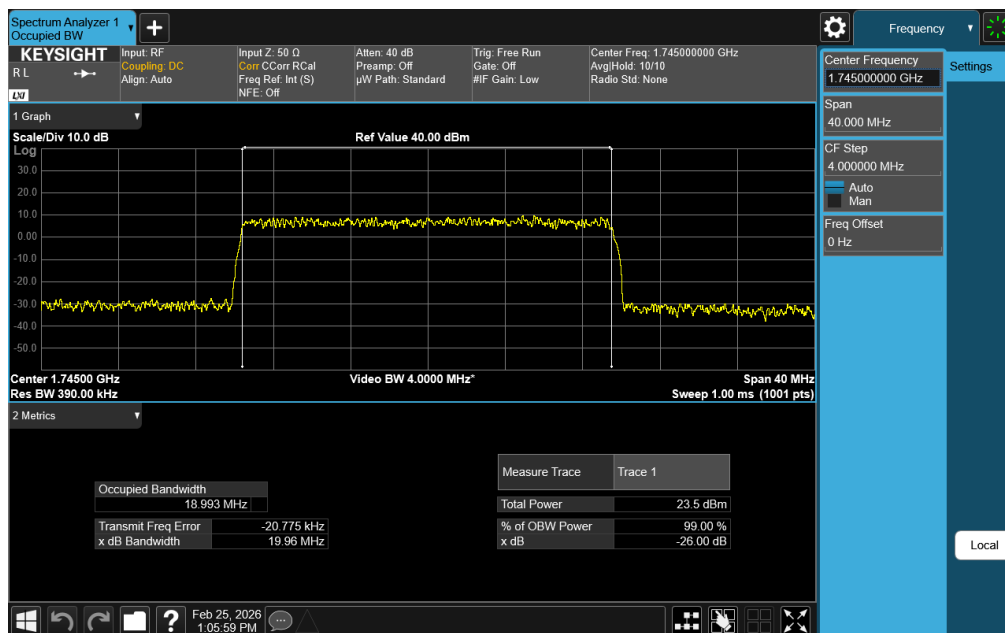
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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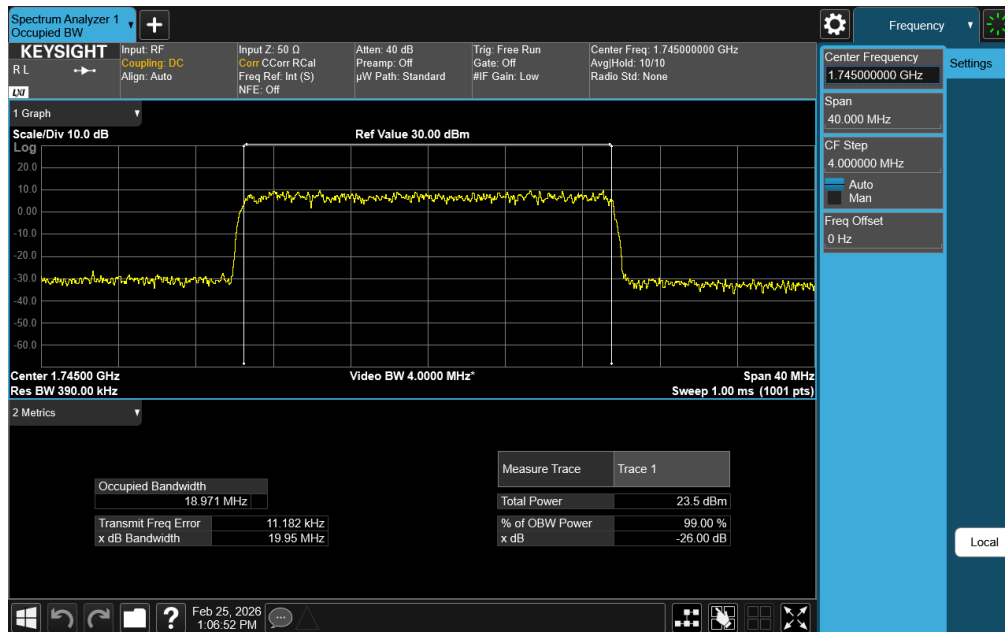


Plot 7-45. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

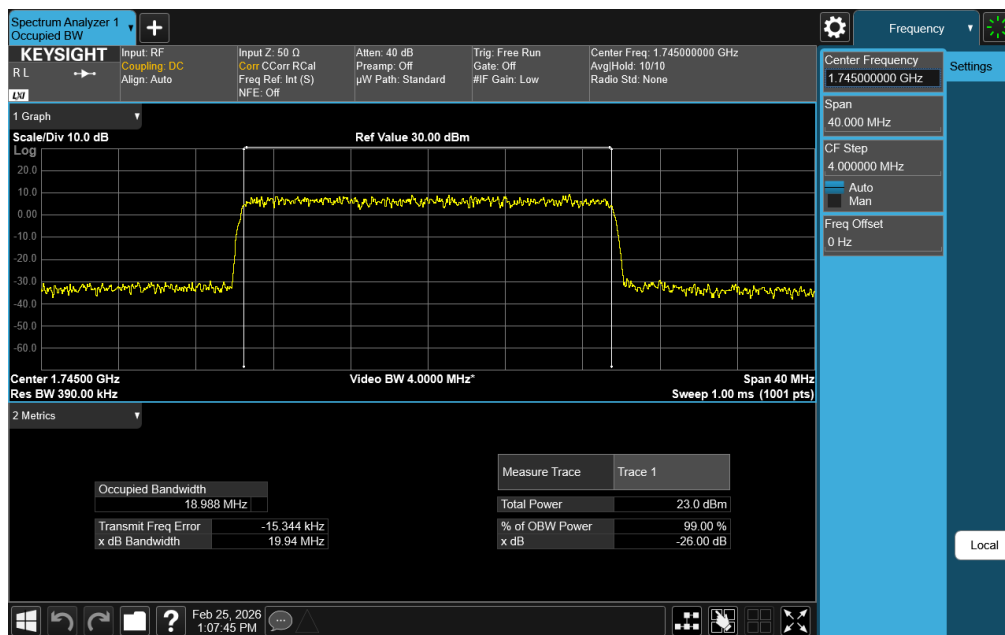


Plot 7-46. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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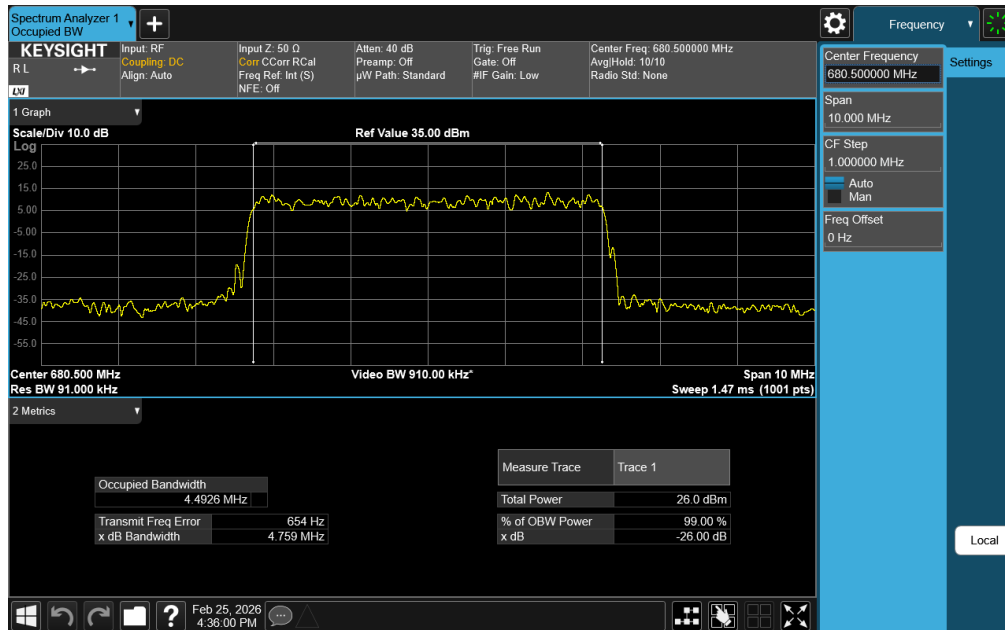
Plot 7-47. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz CP-OFDM 16QAM - Full RB)



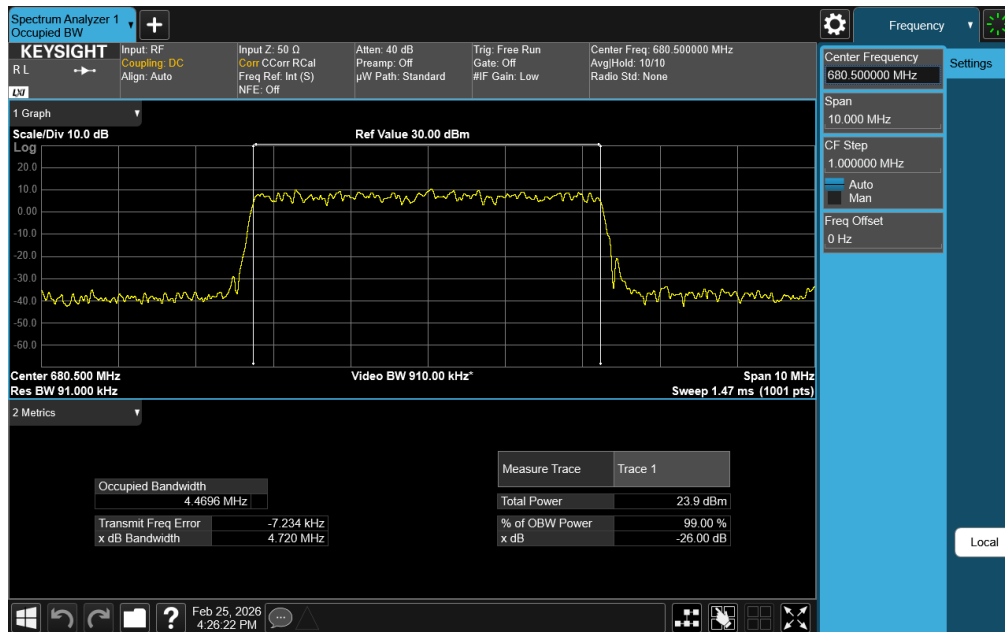
Plot 7-48. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz CP-OFDM 64QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 41 of 219

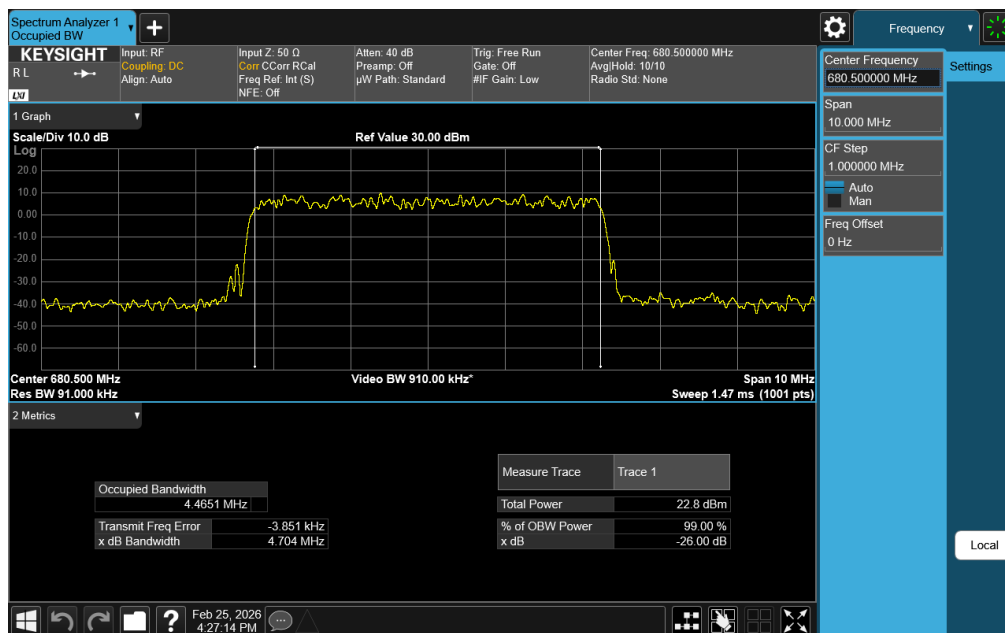
NR Band n71



FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-51. Occupied Bandwidth Plot (NR Band n71 - 5MHz CP-OFDM 16-QAM - Full RB)

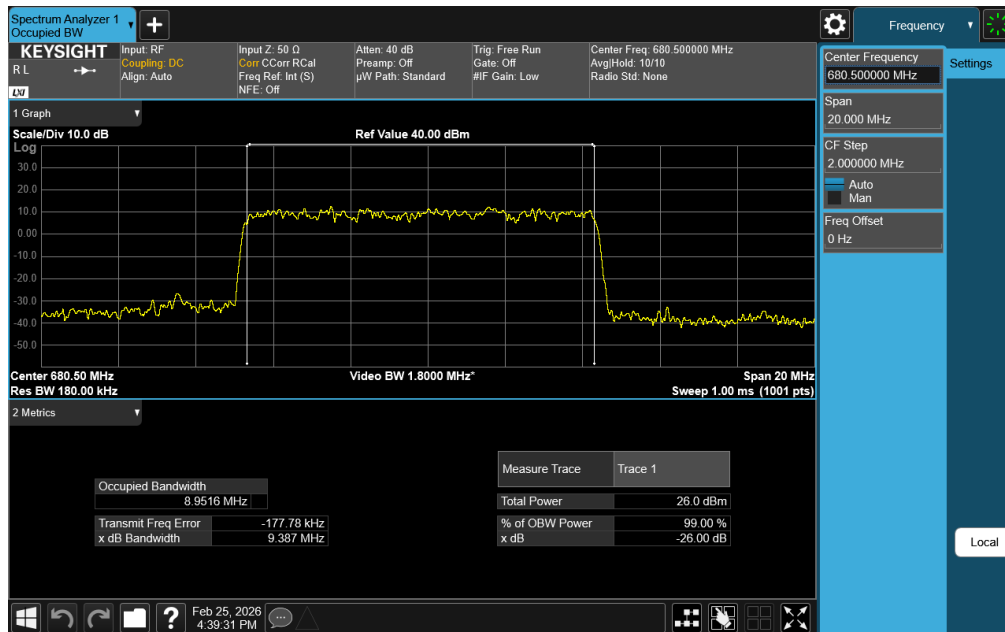


Plot 7-52. Occupied Bandwidth Plot (NR Band n71 - 5MHz CP-OFDM 64-QAM - Full RB)

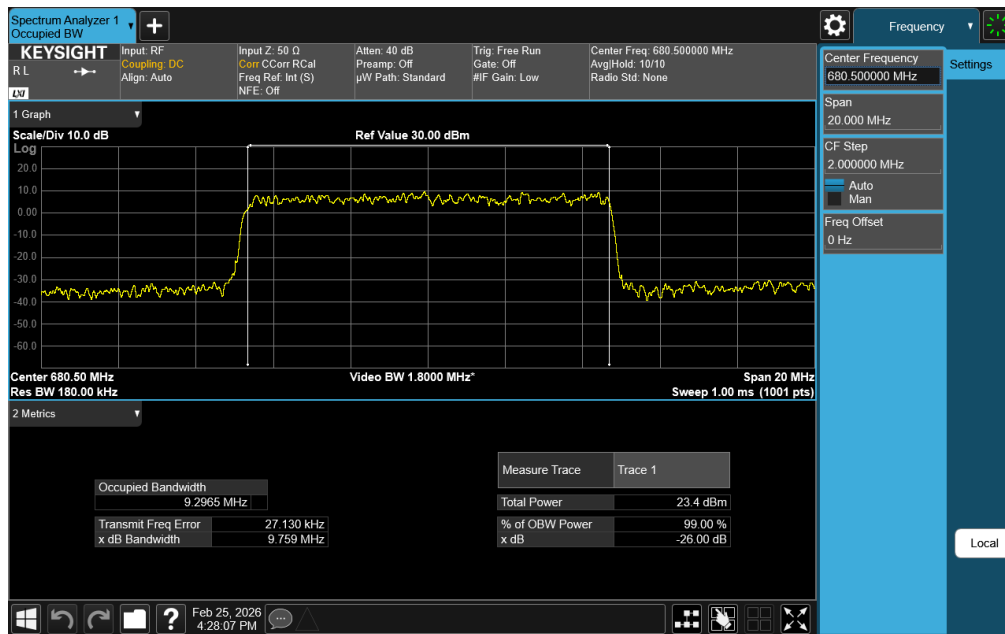
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 43 of 219

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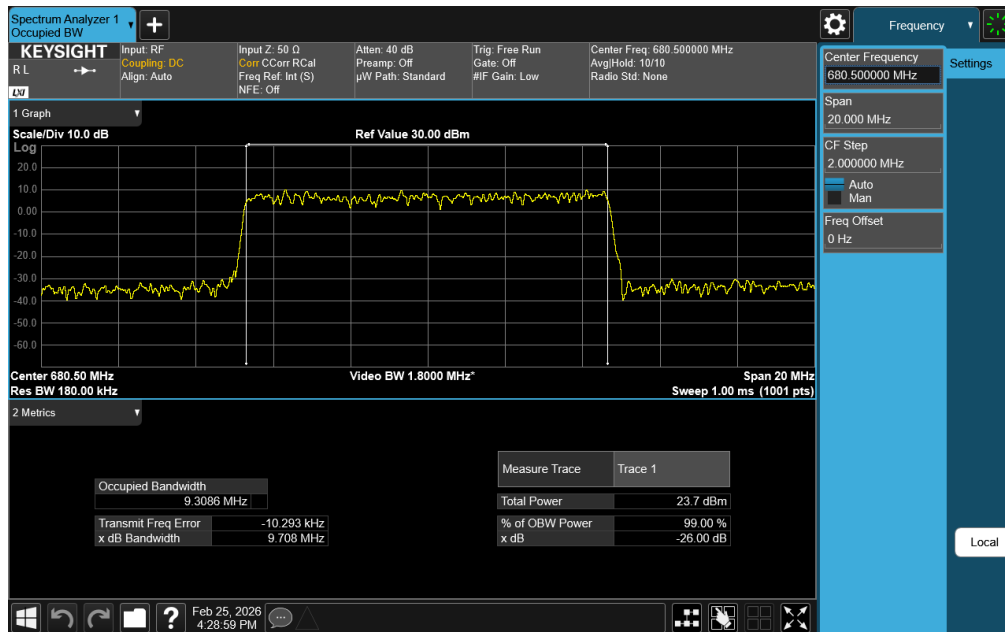


Plot 7-53. Occupied Bandwidth Plot (NR Band n71 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

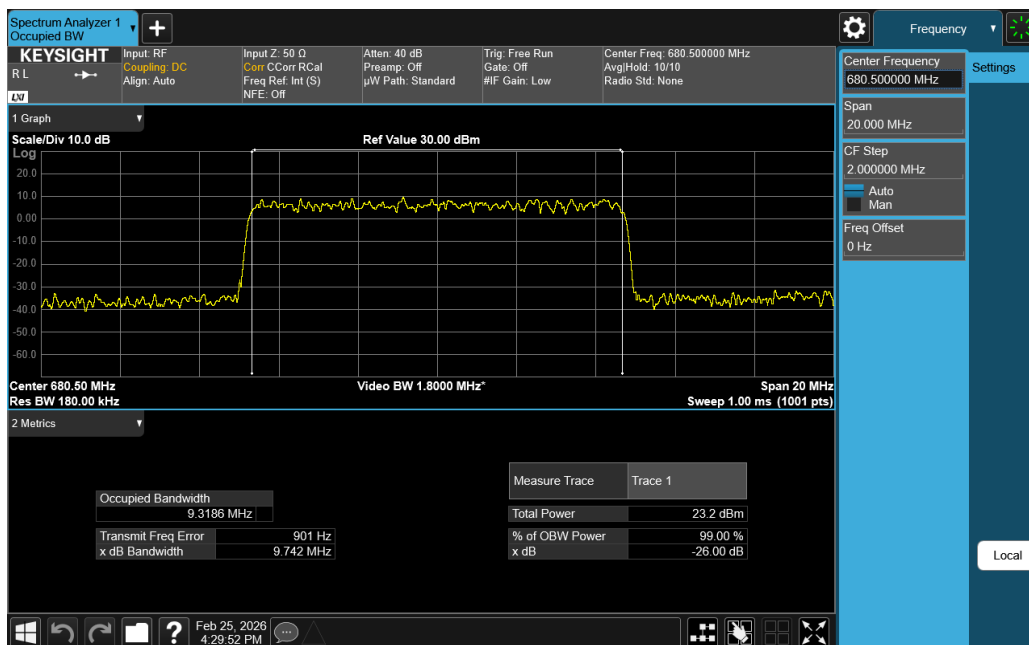


Plot 7-54. Occupied Bandwidth Plot (NR Band n71 - 10MHz CP-OFDM QPSK - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-55. Occupied Bandwidth Plot (NR Band n71 - 10MHz CP-OFDM 16-QAM - Full RB)

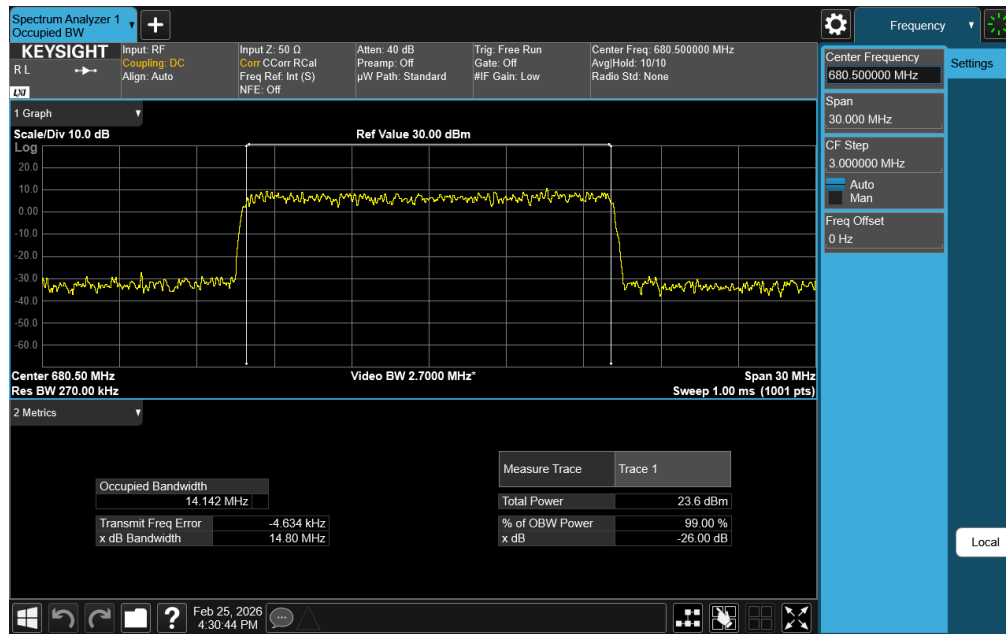
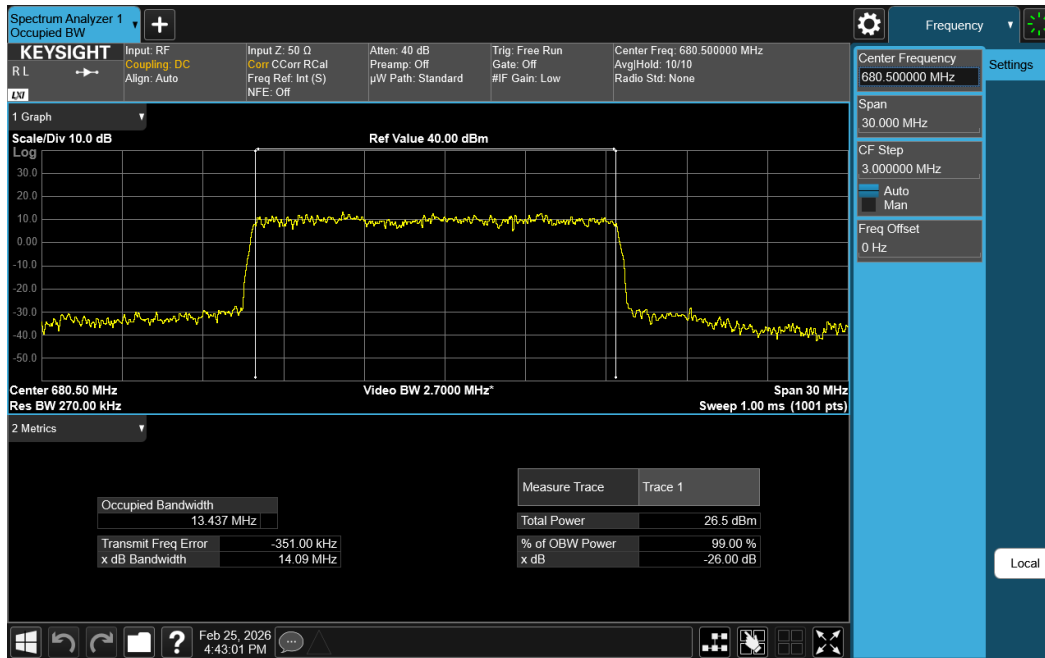


Plot 7-56. Occupied Bandwidth Plot (NR Band n71 - 10MHz CP-OFDM 64-QAM - Full RB)

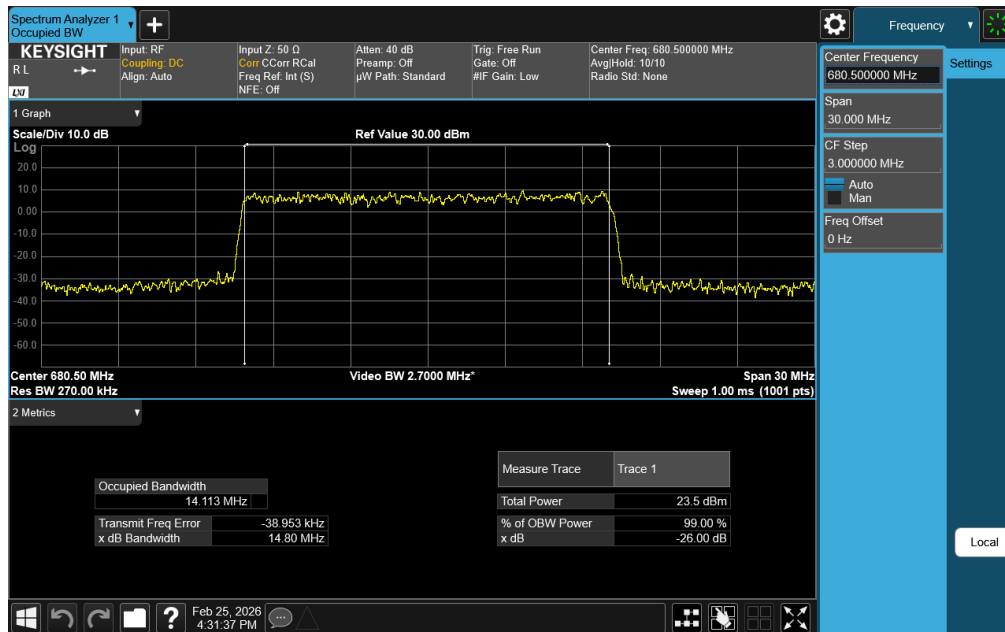
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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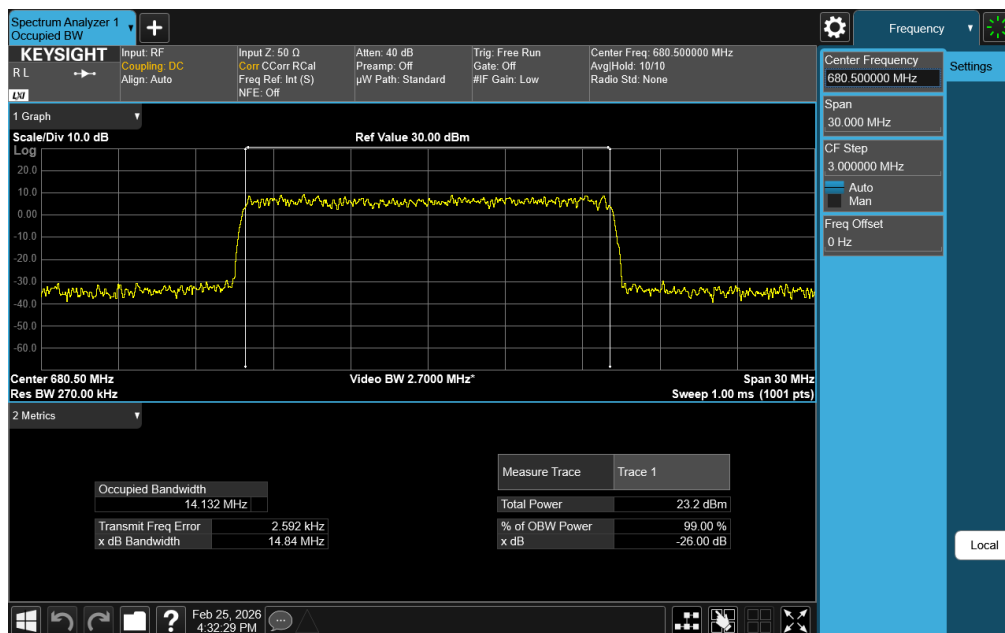
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FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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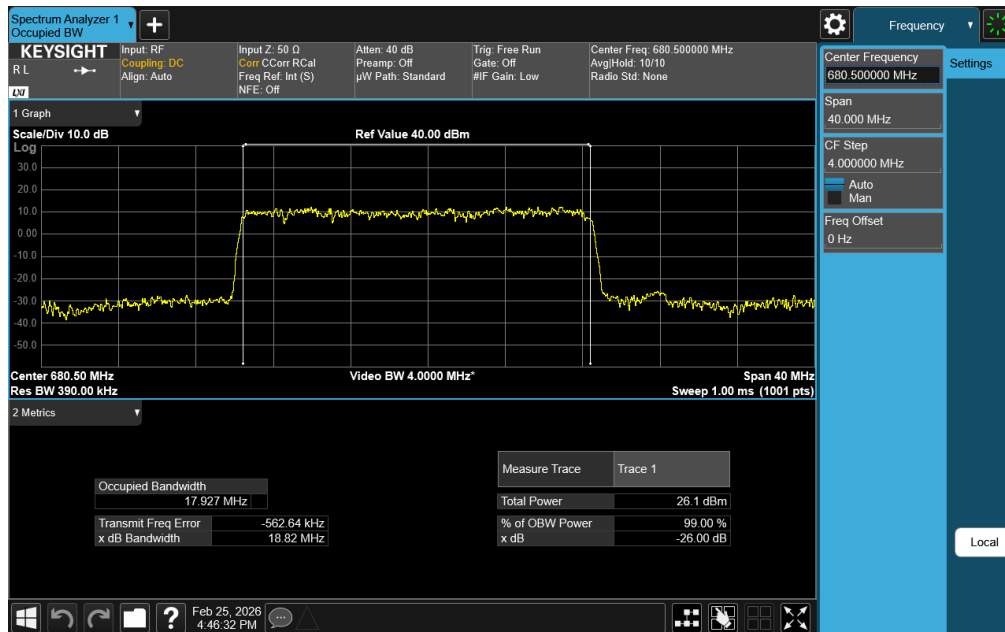


Plot 7-59. Occupied Bandwidth Plot (NR Band n71 - 15MHz CP-OFDM 16-QAM - Full RB)

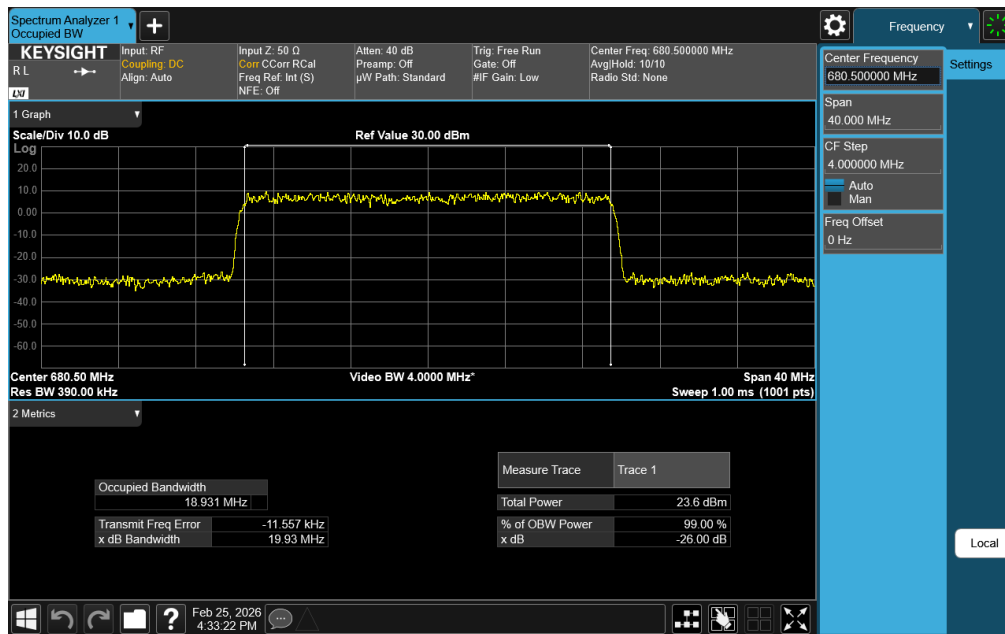


Plot 7-60. Occupied Bandwidth Plot (NR Band n71 - 15MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 47 of 219

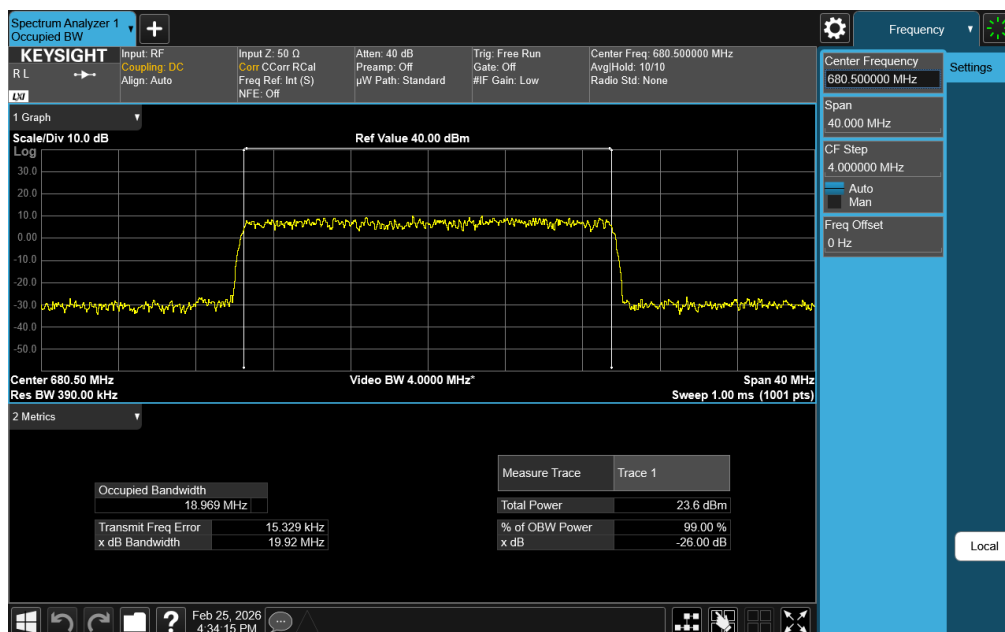


Plot 7-61. Occupied Bandwidth Plot (NR Band n71 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

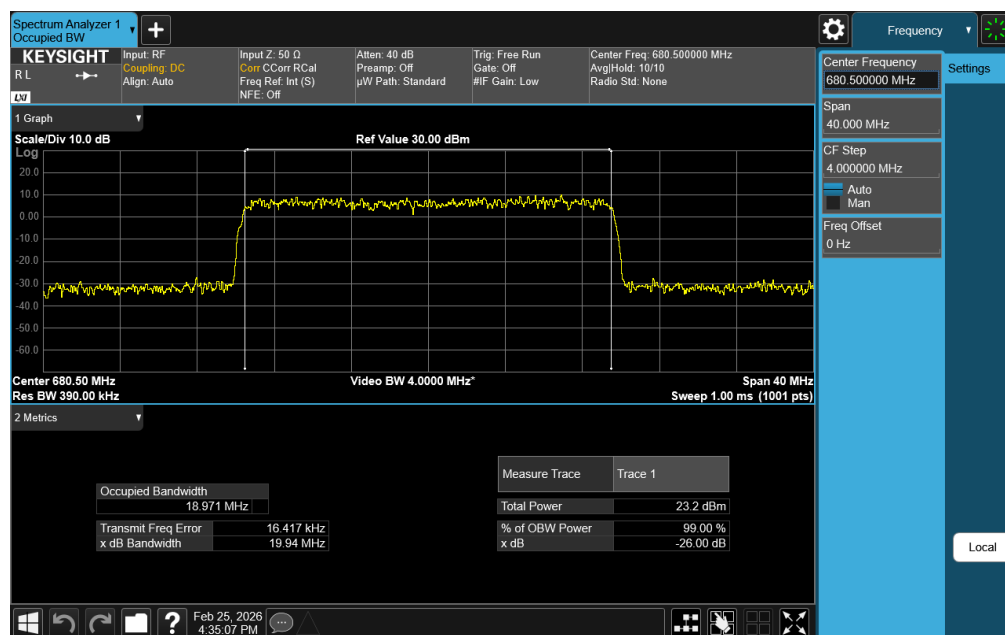


Plot 7-62. Occupied Bandwidth Plot (NR Band n71 - 20MHz CP-OFDM QPSK - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-63. Occupied Bandwidth Plot (NR Band n71 - 20MHz CP-OFDM 16-QAM - Full RB)



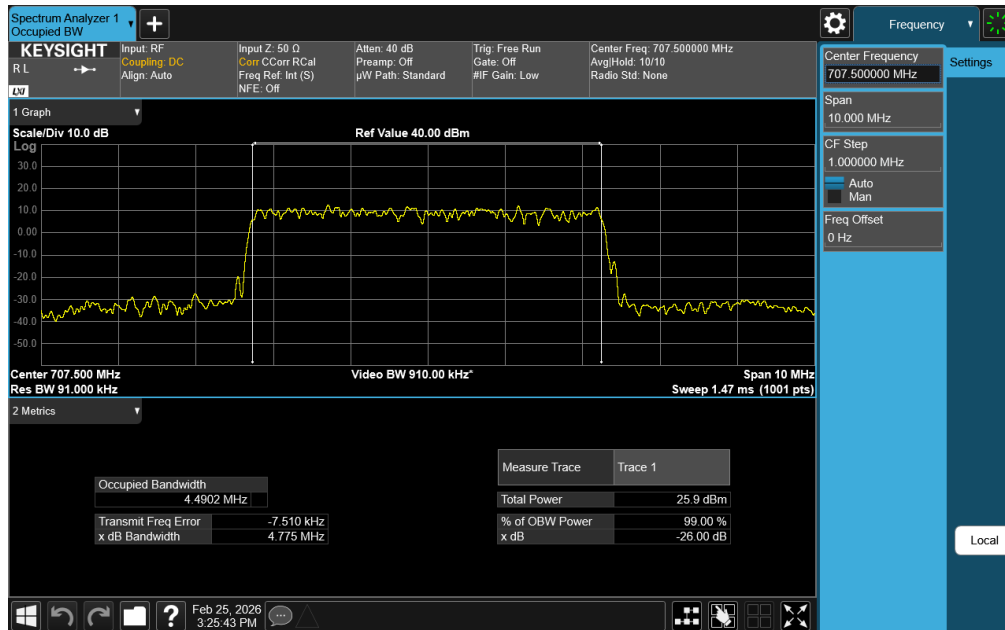
Plot 7-64. Occupied Bandwidth Plot (NR Band n71 - 20MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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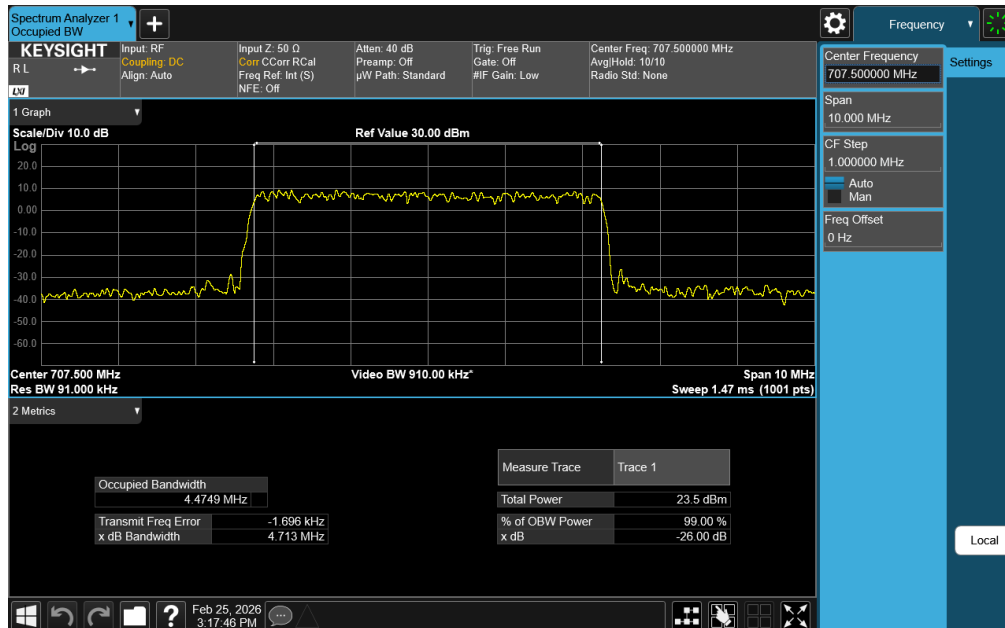
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NR Band n12



Plot 7-65. Occupied Bandwidth Plot (NR Band n12 - 5MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

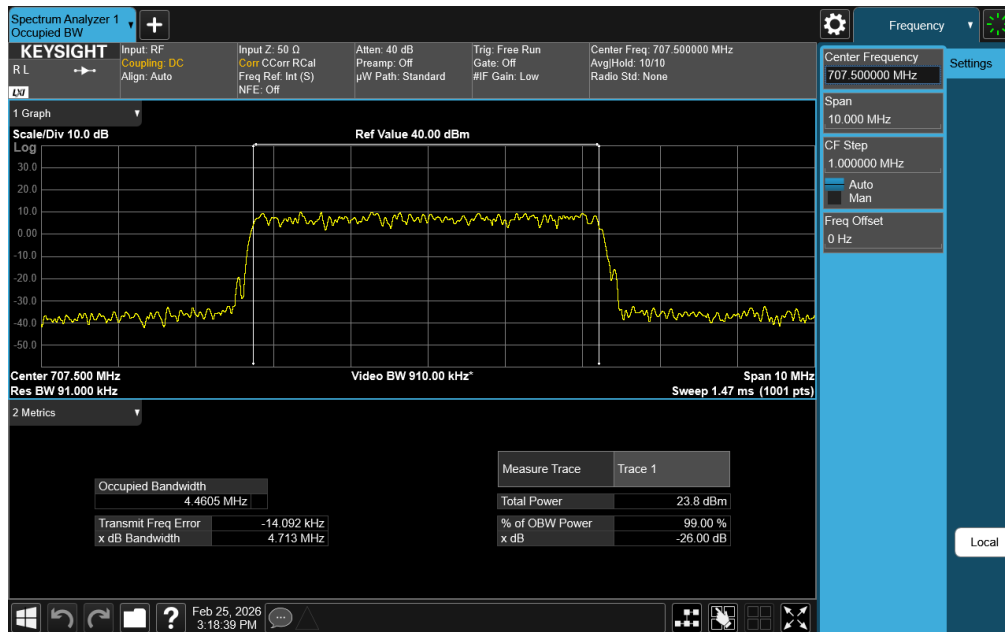


Plot 7-66. Occupied Bandwidth Plot (NR Band n12 - 5MHz CP-OFDM QPSK - Full RB)

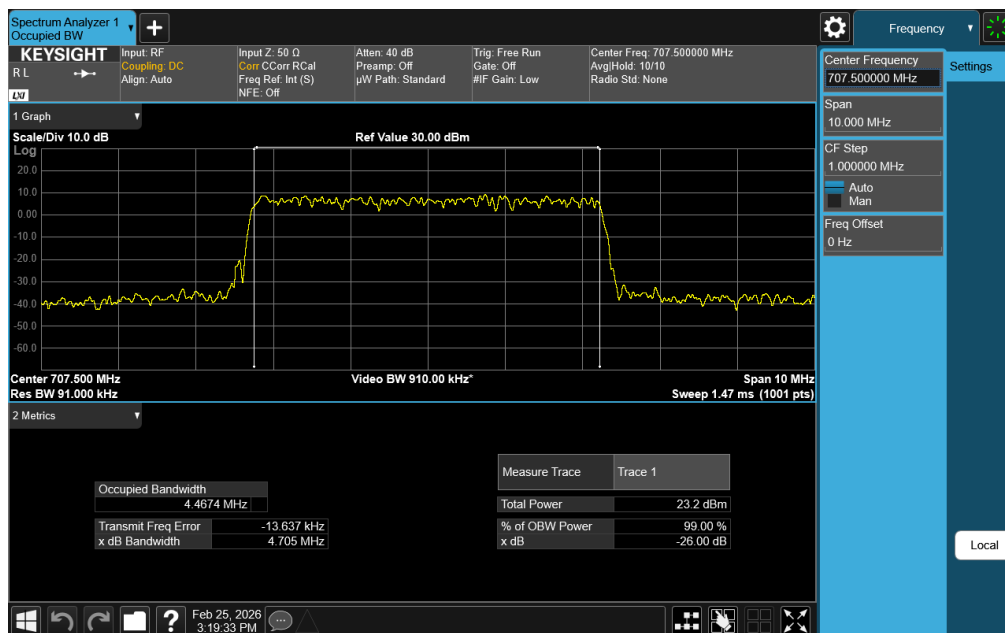
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-67. Occupied Bandwidth Plot (NR Band n12 - 5MHz CP-OFDM 16-QAM - Full RB)

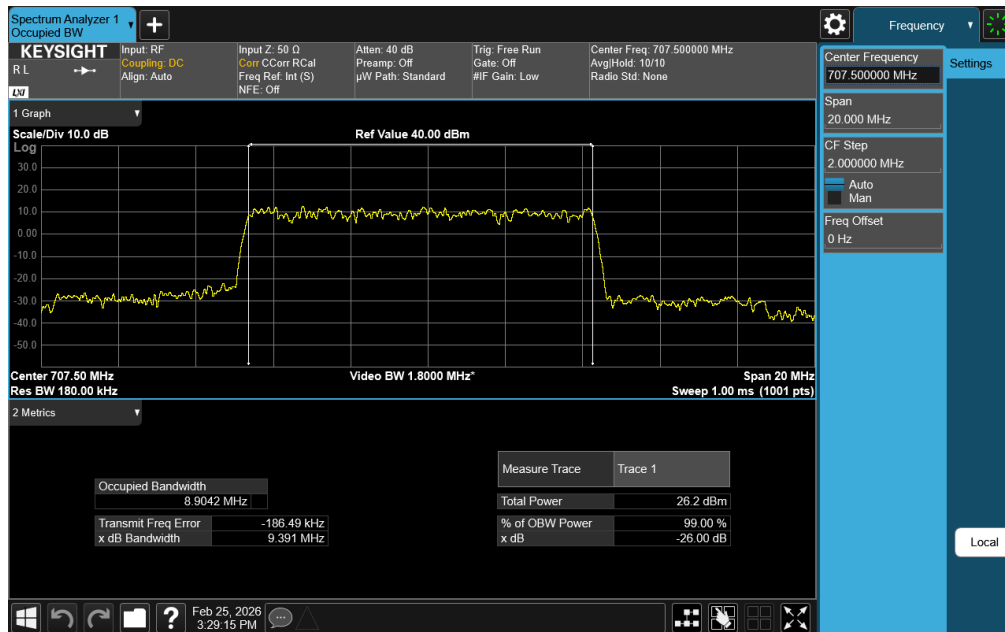


Plot 7-68. Occupied Bandwidth Plot (NR Band n12 - 5MHz CP-OFDM 64-QAM - Full RB)

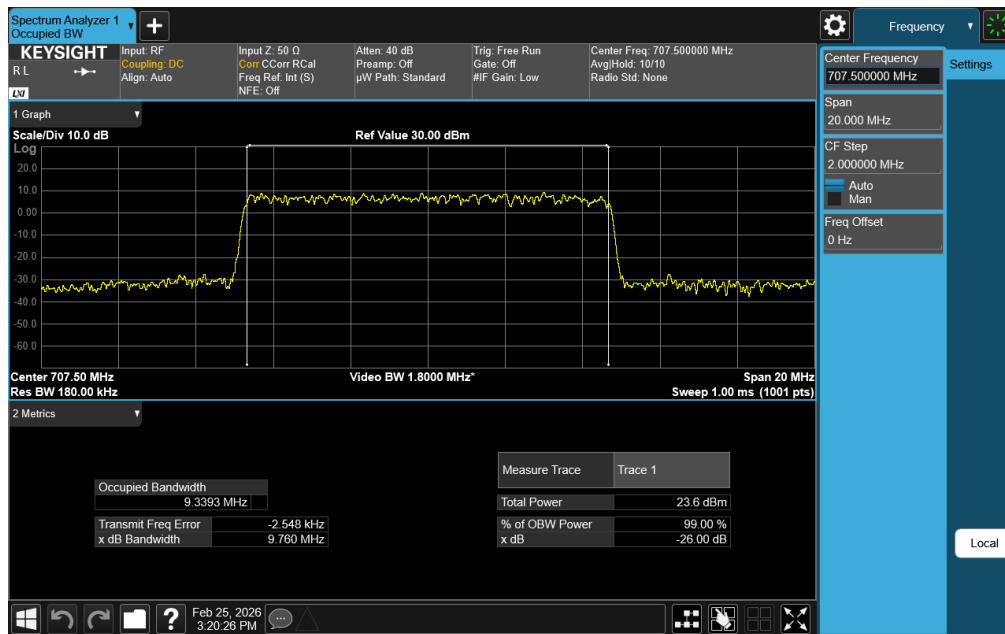
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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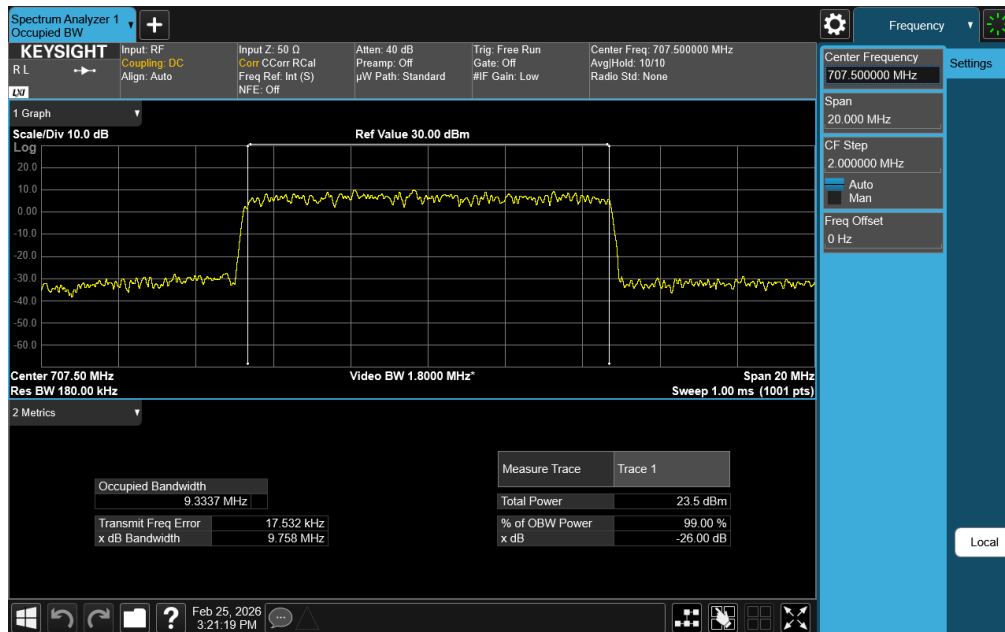


Plot 7-69. Occupied Bandwidth Plot (NR Band n12 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

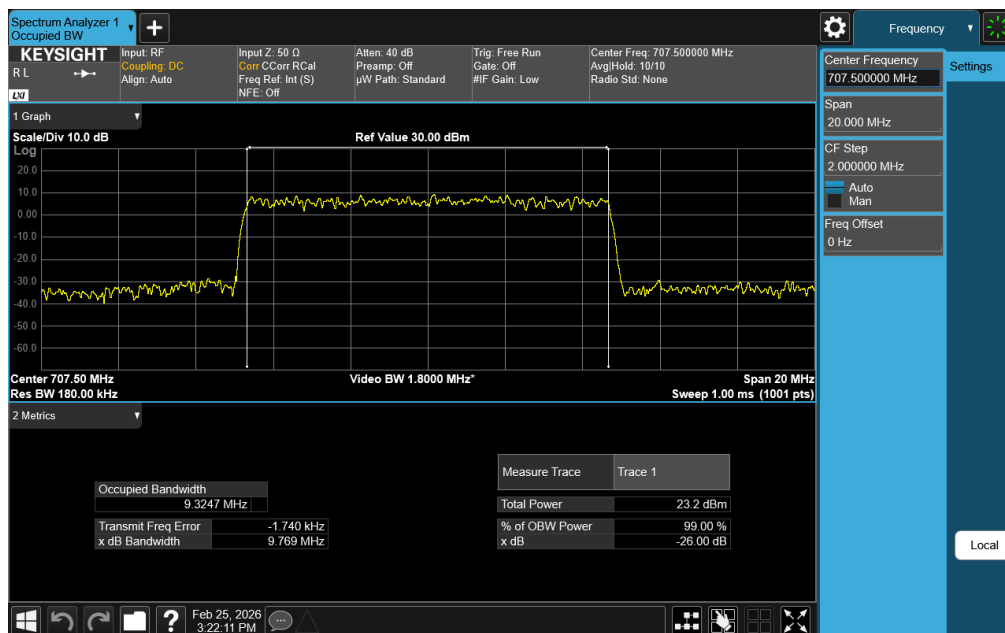


Plot 7-70. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM QPSK - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100027-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 52 of 219



Plot 7-71. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM 16-QAM - Full RB)

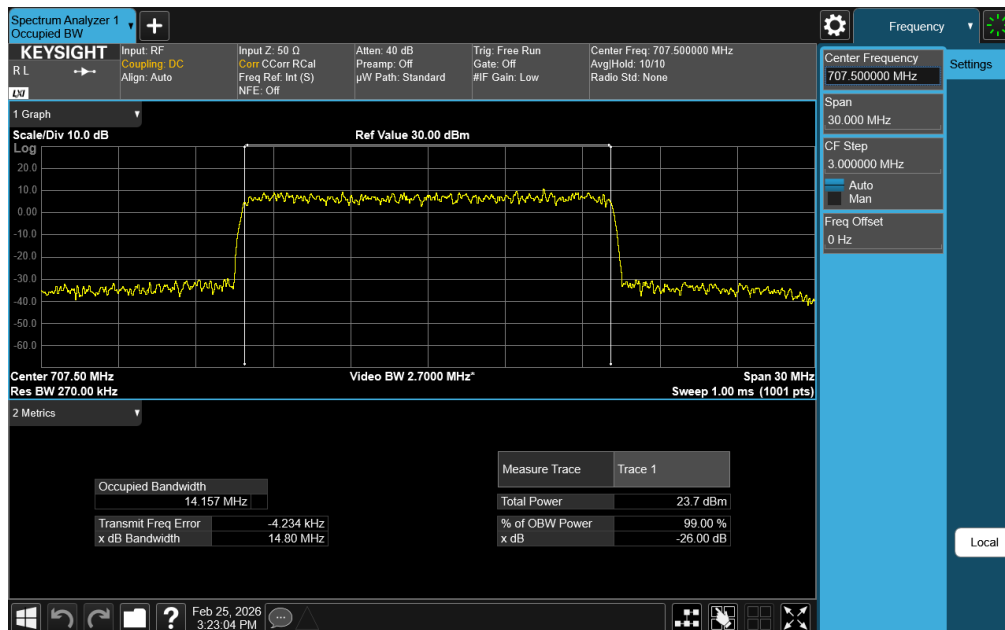
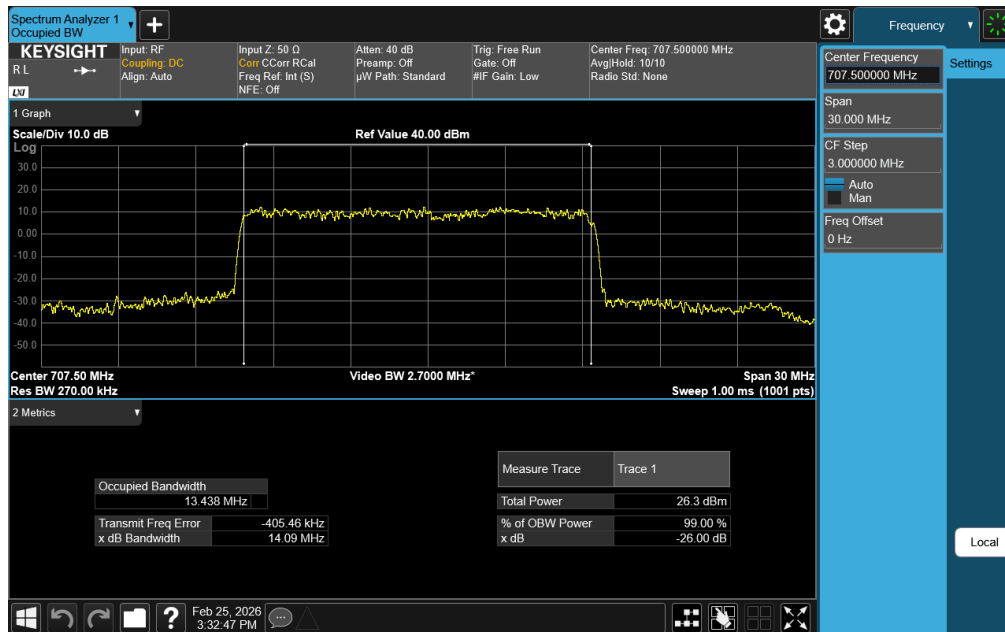


Plot 7-72. Occupied Bandwidth Plot (NR Band n12 - 10MHz CP-OFDM 64-QAM - Full RB)

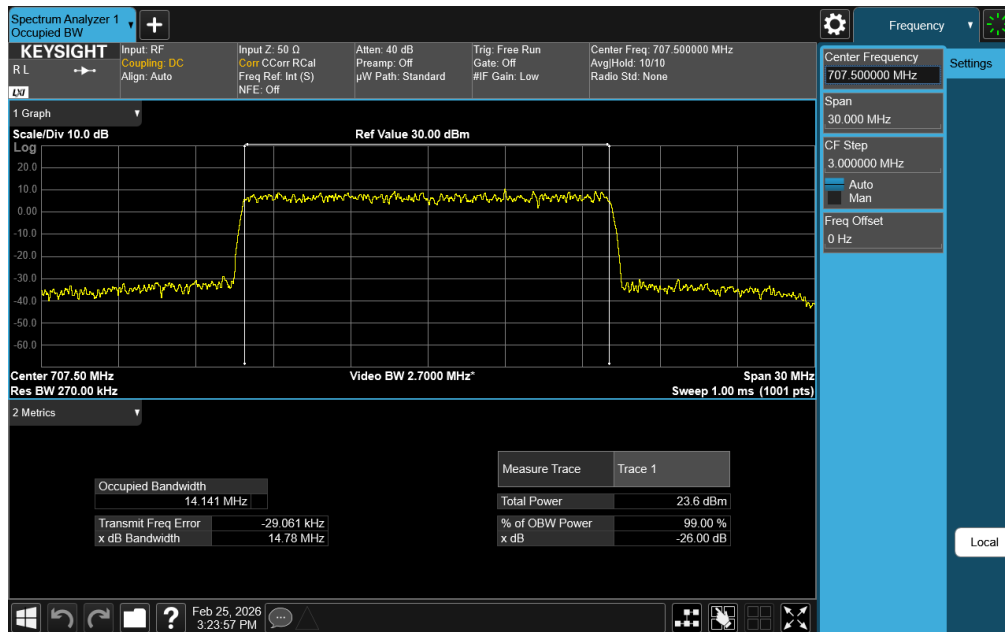
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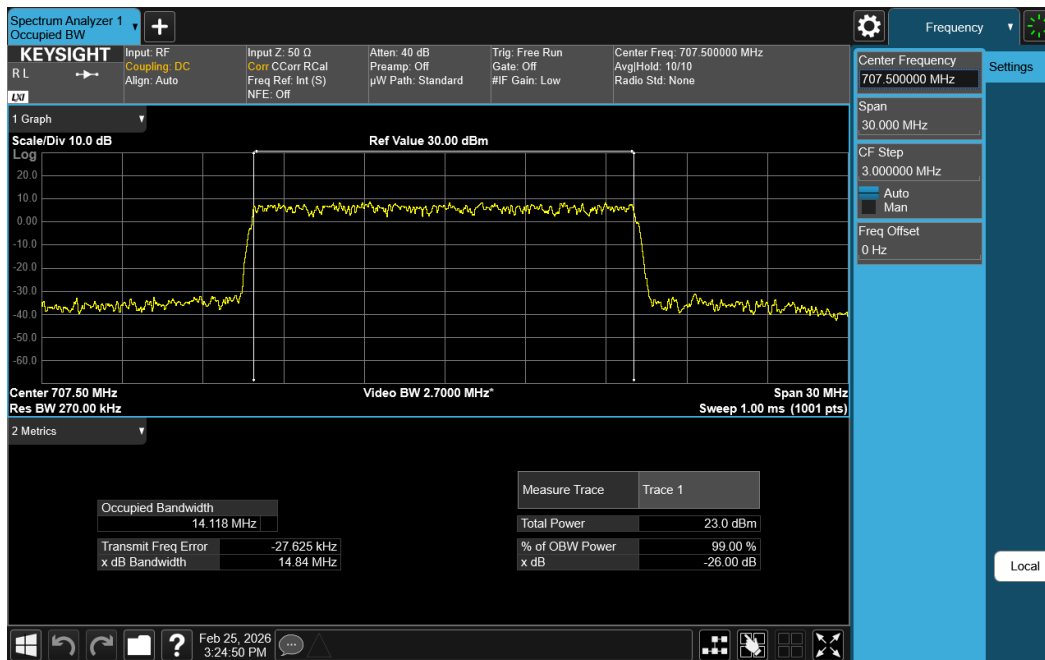
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Plot 7-75. Occupied Bandwidth Plot (NR Band n12 - 15MHz CP-OFDM 16-QAM - Full RB)



Plot 7-76. Occupied Bandwidth Plot (NR Band n12 - 15MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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7.3 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview and Limit

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 $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 18GHz (separated into at least two plots per channel)
2. RBW $\geq$ 100kHz
3. VBW $\geq$ 3 x RBW
4. Detector = RMS
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

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

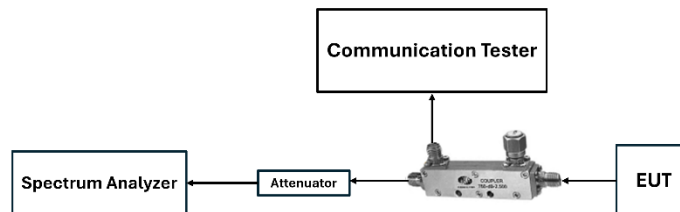


Figure 7-3. LTE Test Instrument & Measurement Setup

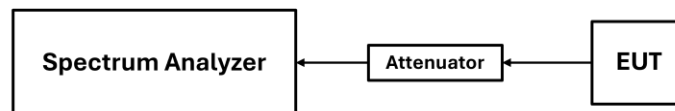


Figure 7-4. FR1 Test Instrument & Measurement Setup

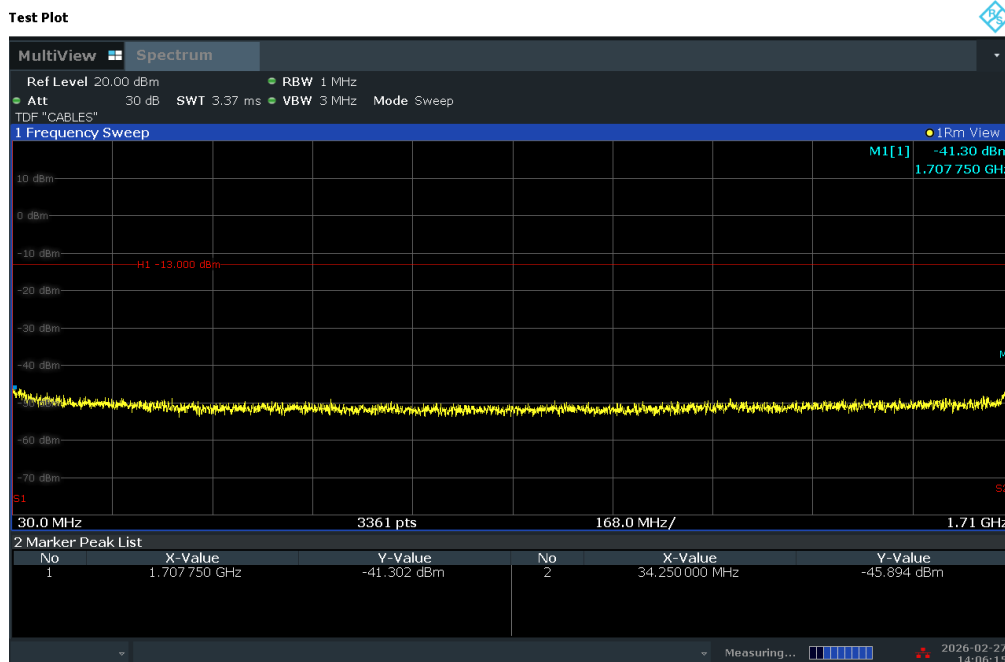
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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Test Notes

1. Per Part 27, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. Per RSS-130 and RSS-139, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.
 - a. For equipment operating in the frequency bands 746-756MHz and 777-787MHz, the power of any unwanted emissions in any 6.25kHz bandwidth for all frequencies between 763-775MHz and 793-806MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment and the e.i.r.p. in the band 1559-1610MHz shall not exceed -70dBW/MHz for wideband signal and -80dBW for discrete emission with bandwidth less than 700Hz.
3. 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.

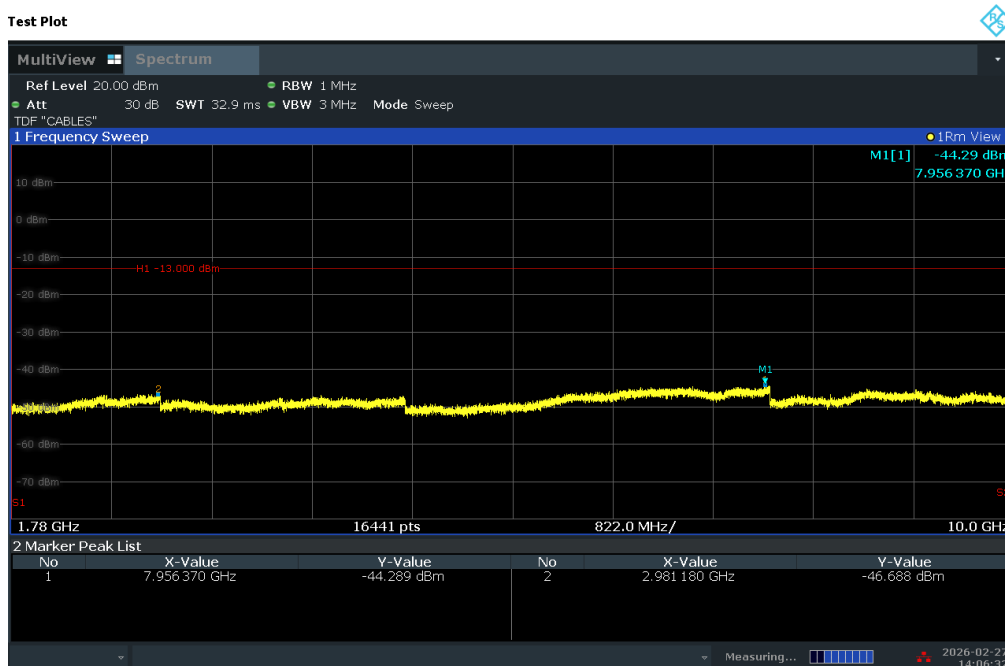
FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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LTE Band 66/4



02:06:15 PM 02/27/2026

Plot 7-77. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



02:06:32 PM 02/27/2026

Plot 7-78. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCG-A3579 IC: 579C-A3579		Test Dates: 2/27/2026 - 8/04/2026	EUT Type: Watch	Approved by: Technical Manager
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