

MEASUREMENT REPORT

FCC PART 15.247 / ISED RSS-247 Bluetooth (HDR)

Applicant Name:

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

Date of Testing:

5/12/2025 - 07/18/2025

Test Report Issue Date:

9/11/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2505120065-03.BCG

FCC ID:	BCGA3416
IC:	579C-A3416
APPLICANT:	Apple Inc.

Application Type:

Certification

Model/HVIN:

A3416

EUT Type:

Head Mounted Device

Max. RF Output Power:

49.091 mW (16.91 dBm) Peak Conducted

Frequency Range:

2404 – 2476MHz

FCC Classification:

Digital Transmission System (DTS)

FCC Rule Part(s):

Part 15 Subpart C (15.247)

ISED Specification:

RSS-247 Issue 3

Test Procedure(s):

ANSI C63.10-2020, KDB 558074 D01 v05r02

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 ANSI C63.10-2020 and KDB 558074 D01 v05r02. 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: BCGA3416 IC: 579C-A3416		 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 1 of 105	

V 10.6 09/14/2023

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TABLE OF CONTENTS

1.0	INTRODUCTION	3
1.1	Scope	3
1.2	Element Materials Technology Test Location	3
1.3	Test Facility / Accreditations	3
2.0	PRODUCT INFORMATION	4
2.1	Equipment Description	4
2.2	Device Capabilities	4
2.3	Antenna Description	5
2.4	Test Support Equipment	6
2.5	Test Configuration	6
2.6	Software and Firmware	6
2.7	EMI Suppression Device(s)/Modifications	6
3.0	DESCRIPTION OF TESTS	7
3.1	Evaluation Procedure	7
3.2	AC Line Conducted Emissions	7
3.3	Radiated Emissions	8
3.4	Environmental Conditions	8
4.0	ANTENNA REQUIREMENTS	9
5.0	MEASUREMENT UNCERTAINTY	10
6.0	TEST EQUIPMENT CALIBRATION DATA	11
7.0	TEST RESULTS	12
7.1	Summary	12
7.2	Bandwidth Measurement	13
7.3	Output Power Measurement	27
7.4	Power Spectral Density	31
7.5	Conducted Authorized Band Edge	64
7.6	Conducted Spurious Emissions	71
7.7	Radiated Spurious Emissions – Above 1GHz	82
7.8	Radiated Spurious Emissions – Below 1GHz	97
7.9	AC Line-Conducted Emissions Measurement	101
8.0	CONCLUSION	105

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 2 of 105

V 10.6 09/14/2023

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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 ISED Standards (RSS).
- Element Materials Technology facility is a registered (22831) 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).

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 3 of 105

V 10.6 09/14/2023

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Head Mounted Device FCC ID: BCGA3416, IC: 579C-A3416**. The data found in this test report was taken with the EUT operating in Bluetooth HDR mode. While in HDR mode, the Bluetooth transmitter hops pseudo-randomly between 73 channels.

Test Device Serial No.: LT7N2M6T39, MWY725700W, DQC74D2TM4, L3RQV9RL7H, J11HFR000020000VL9

2.2 Device Capabilities

This device contains the following capabilities:

802.11b/g/n/ax WLAN, 802.11a/n/ac/ax UNII, Bluetooth (1x, EDR, LE1M, LE2M, HDR4, HDR8), NB UNII (1x, LE1M, LE2M, HDR4, HDR8, HDRp4, HDRp8)

This device supports BT Beamforming

Ch.	Frequency (MHz)
01	2404
:	:
38	2441
:	:
73	2476

Table 2-1. Bluetooth HDR Frequency / Channel Operations

Note: This device is capable of operating in hopping and non-hopping mode. The EUT can hop between 73 different channels in the 2400 – 2483.5MHz band.

Measured Duty Cycles					
HDR Mode		Duty Cycle [%]			
		Ant1	Ant2	NB UNII_L	TxBF
4M	ePA	100	100	N/A	100
	iPA	100	100	100	100
8M	ePA	100	100	N/A	100
	iPA	100	100	100	100

Table 2-2. Measured Duty Cycles

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 4 of 105

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

Simultaneous Tx Config	Antenna	WLAN	Bluetooth 2.4GHz	WIFI 5GHz	NB UNII
		802.11 b/g/n/ax	BDR/ EDR/HDR4/HDR8/ LE1/2M	802.11 a/n/ac/ax	BDR/LE1/2M/ HDR4/HDR8
Config 1	Ant1	✓	✗	✓	✗
Config 2	Ant1	✗	✓	✓	✗
Config 3	Ant2	✓	✗	✓	✗
Config 4	Ant2	✗	✓	✓	✗
Config 5	NB UNII_L	✗	✓	✗	✓

Table 2-3. 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 BTLE and RF NB UNII 5GHz test reports.

2.3 Antenna Description

The following antenna gains provided by manufacturer were used for testing.

Frequency [GHz]	Antenna Gain (dBi)		
	Ant1	Ant2	NB UNII_L
2.4	1.6	-1.0	-3.7

Table 2-4. Highest Antenna Gain

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 5 of 105

V 10.6 09/14/2023

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2.4 Test Support Equipment

1	Apple Macbook Pro	Model:	A2141	S/N:	C02H604EQ05D
	w/ AD/DC Adapter	Model:	A2166	S/N:	C4H042705ZNP0WA6
2	USB-C Cable	Model:	N/A	S/N:	909208
3	Right Temple with USB	Model:	N/A	S/N:	HTFGR8000DR000020R
	Left Temple	Model:	N/A	S/N:	HTFH3W0008A00002GY
	Headband	Model:	N/A	S/N:	GKNH59000BV0000215
4	Light Seal	Model:	N/A	S/N:	GKNH4L000KM00008SC
	Light Seal Padding	Model:	N/A	S/N:	GKNH48002G50000G1D
5	EUT Power Pack	Model:	N/A	S/N:	HTHF3V0009H00001MV

Table 2-5. Test Support Equipment List

2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.10-2020 and KDB 558074 D01 v05r02. ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing. See Sections 3.2 for AC line conducted emissions test setups, 3.3 for radiated emissions test setups, and 7.2, 7.3, 7.4, 7.5, and 7.6 for antenna port conducted emissions test setups.

There are two vendors of the WiFi/Bluetooth radio modules, variant 1 and variant 2. Both radio modules have the same mechanical outline, same on-board antenna matching circuit, identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances. The worst case configuration was found between the two variants. The EUT was also investigated with and without charger.

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 two orthogonal planes of Y-orientation (landscape) and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

For AC line conducted and radiated test below 1GHz, following configuration were investigated and the worst case was reported.

- EUT powered by AC/DC adaptor to USB-C Power Pack to Magnetic Charging Cable
- EUT powered by host PC via USB-C Power Pack to Magnetic Charging Cable

2.6 Software and Firmware

The test was conducted with firmware version 23.1.91.307 installed on the EUT.

2.7 EMI Suppression Device(s)/Modifications

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

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 6 of 105

3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2020) and the guidance provided in KDB 558074 D01 v05r02 were used in the measurement of the EUT.

Deviation from measurement procedure.....None

3.2 AC Line Conducted Emissions

The line-conducted facility is located inside a 7m x 3.66m x 2.7m shielded enclosure. The shielded enclosure is manufactured by AP Americas. The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-5. A 1m x 1.5m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50μH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. The external power line filter is an EPCOS 2X60A Power Line Filter (100dB Attenuation, 14kHz-18GHz) and the two EPCOs 2X48A filters (100dB Minimum Insertion Loss, 14kHz – 10GHz). These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference groundplane. Power cables for support equipment were routed down to the second LISN while ensuring that the cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The spectrum was scanned from 150kHz to 30MHz with a spectrum analyzer. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions is used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

Line conducted emissions test results are shown in Section 7.10. Automated test software was used to perform the AC line conducted emissions testing. Automated measurement software utilized is Rohde & Schwarz EMC32, Version 10.50.40.

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 7 of 105

V 10.6 09/14/2023

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3.3 Radiated 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. An 80cm tall test table made of Styrodur is placed on top of the turn table. For measurements above 1GHz, an additional Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

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 rotated about its vertical axis 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.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33 depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions.

3.4 Environmental Conditions

The temperature is controlled within range of 15°C to 35°C. The relative humidity is controlled within range of 10% to 75%. The atmospheric pressure is monitored within the range 86-106kPa (860-1060mbar).

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 8 of 105

V 10.6 09/14/2023

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4.0 ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna(s) of the EUT are **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The EUT complies with the requirement of §15.203.

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 9 of 105

V 10.6 09/14/2023

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5.0 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	2.07
Line Conducted Disturbance	1.91
Radiated Disturbance (<30MHz)	4.12
Radiated Disturbance (30MHz - 1GHz)	4.85
Radiated Disturbance (1 - 18GHz)	5.08
Radiated Disturbance (>18GHz)	5.22

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 10 of 105

V 10.6 09/14/2023

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6.0 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 with the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Anritsu	ML2495A	Power Meter	7/8/2024	Annual	7/8/2025	1039008
Anritsu	MA2411B	Pulse Power Sensor	7/1/2024	Annual	7/1/2025	1911105
Anritsu	MA2411B	Pulse Power Sensor	10/21/2024	Annual	10/21/2025	1027293
ATM	180-442A-KF	20dB Nominal Gain Horn Antenna	3/14/2024	Annual	3/14/2025	T058701-01
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	4/9/2024	Annual	4/9/2025	00218555
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz Conducted Cable/Attenuator *	6/10/2024	Annual	6/10/2025	-
Keysight Technology	N9040B	UXA Signal Analyzer	5/28/2024	Annual	5/28/2025	MY57212015
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	3/1/2024	Annual	3/1/2025	102145
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/14/2024	Annual	8/15/2025	101648
Rohde & Schwarz	FSV40	Signal Analyzer (10Hz-40GHz)	5/29/2024	Annual	5/29/2025	101619
Rohde & Schwarz	ESW44	EMI Test Receiver	5/1/2024	Annual	5/1/2025	101867
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	7/3/2024	Annual	7/3/2025	102356
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/10/2024	Annual	6/10/2025	100057
Rohde & Schwarz	HFH2-Z2	Loop Antenna	6/21/2024	Annual	6/21/2025	100519
Rohde & Schwarz	ENV216	Two-Line V-Network	4/24/2024	Annual	4/24/2025	101364
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	4/29/2024	Annual	4/29/2025	00304

Table 6-1. Test Equipment List

Note:

- 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.

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 11 of 105

V 10.6 09/14/2023

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7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCGA3416
 IC: 579C-A3416
 FCC Classification: Digital Transmission System (DTS)
 Number of Channels: 73

FCC Part Section(s)	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.247(a)(2)	RSS-247 [5.2]	6dB Bandwidth	> 500kHz	CONDUCTED	PASS	Section 7.2
2.1049	RSS-Gen [6.7]	Occupied Bandwidth	N/A		N/A	Section 7.2
15.247(b)(3)	RSS-247 [5.4(d)]	Transmitter Output Power	< 1 Watt		PASS	Sections 7.3
15.247(e)	RSS-247 [5.2]	Transmitter Power Spectral Density	< 8dBm / 3kHz Band		PASS	Section 7.4
15.247(d)	RSS-247 [5.5]	Band Edge / Out-of-Band Emissions	≥ 20dBc		PASS	Sections 7.5, 7.6
15.205 15.209	RSS-Gen [8.9]	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209 (RSS-Gen [8.9])	RADIATED	PASS	Sections 7.7, 7.8
15.207	RSS-Gen [8.8]	AC Conducted Emissions 150kHz – 30MHz	< FCC 15.207 limits (RSS-Gen [8.8])	AC LINE CONDUCTED	PASS	Section 7.9

Table 7-1. Summary of Test Results

Notes:

1. All modes of operation were investigated. The test results shown in the following sections represent the worst case emissions.
2. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer 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 and attenuators.
4. For conducted 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 “Conducted Automation,” Version 1.4.0.
5. For radiated testing, 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 3.4.2.

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 12 of 105

V 10.6 09/14/2023

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7.2 Bandwidth Measurement

§2.1049; §15.247(a)(2); RSS-247 [5.2]; RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the transmitter antenna terminal of the EUT while the EUT is operating at maximum power and at the appropriate frequencies. All modes of operation were investigated and the worst case configuration results are reported in this section.

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.

The minimum permissible 6dB bandwidth is 500 kHz.

Test Procedure Used

ANSI C63.10-2020 – Subclause 11.8.2 Option 2
KDB 558074 D01 v05r02 – Section 8.2
RSS-Gen [6.7]

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 99% occupied bandwidth and the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100kHz
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

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 13 of 105

V 10.6 09/14/2023

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

All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 14 of 105

V 10.6 09/14/2023

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Ant1

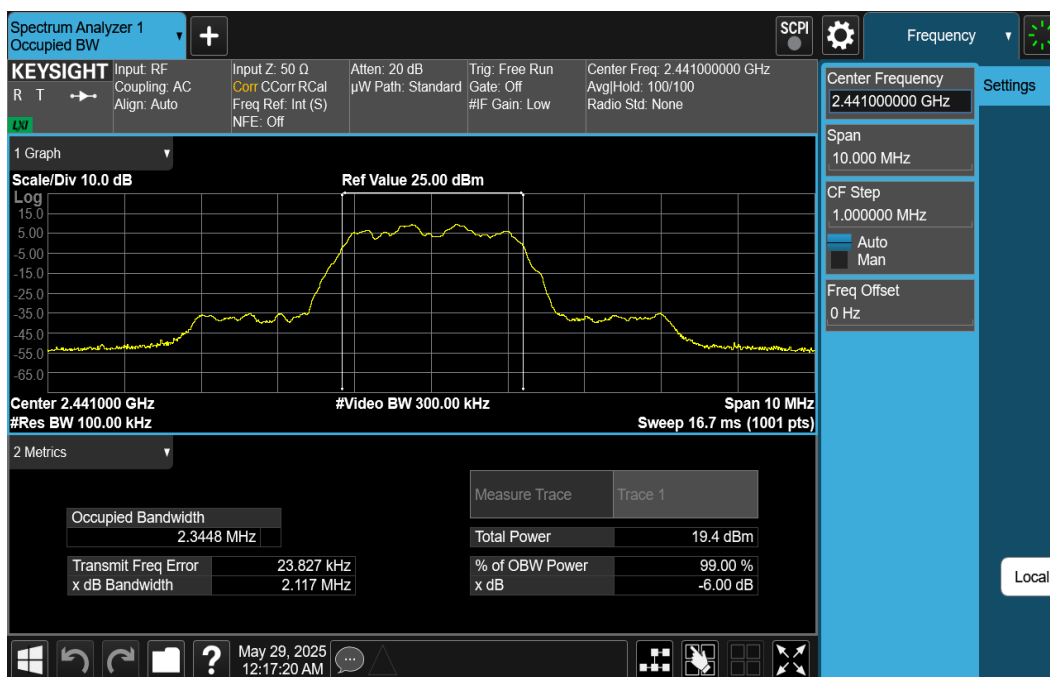
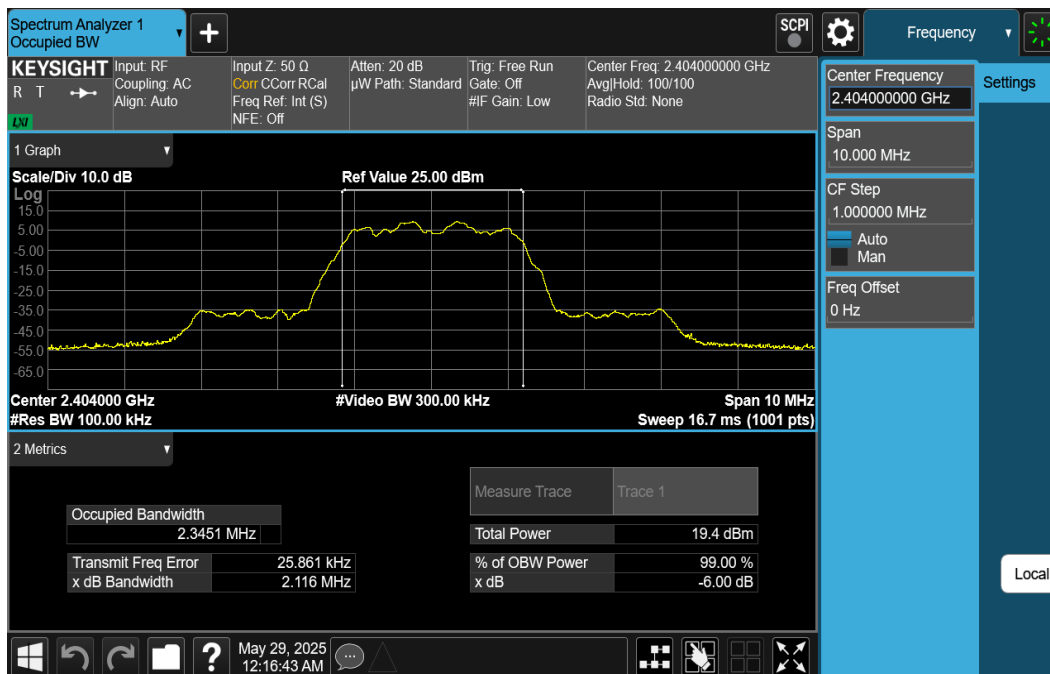
Frequency [MHz]	Mode	Power Scheme	Channel	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass/Fail
2404	HDR4	ePA	1	2.345	2.116	0.500	Pass
2441	HDR4	ePA	38	2.345	2.117	0.500	Pass
2476	HDR4	ePA	73	2.345	2.117	0.500	Pass
2404	HDR8	ePA	1	4.698	4.082	0.500	Pass
2441	HDR8	ePA	38	4.697	4.080	0.500	Pass
2476	HDR8	ePA	73	4.694	4.081	0.500	Pass

Table 7-2. 6dB BW & 99% OBW Measurements Ant1

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 15 of 105

V 10.6 09/14/2023

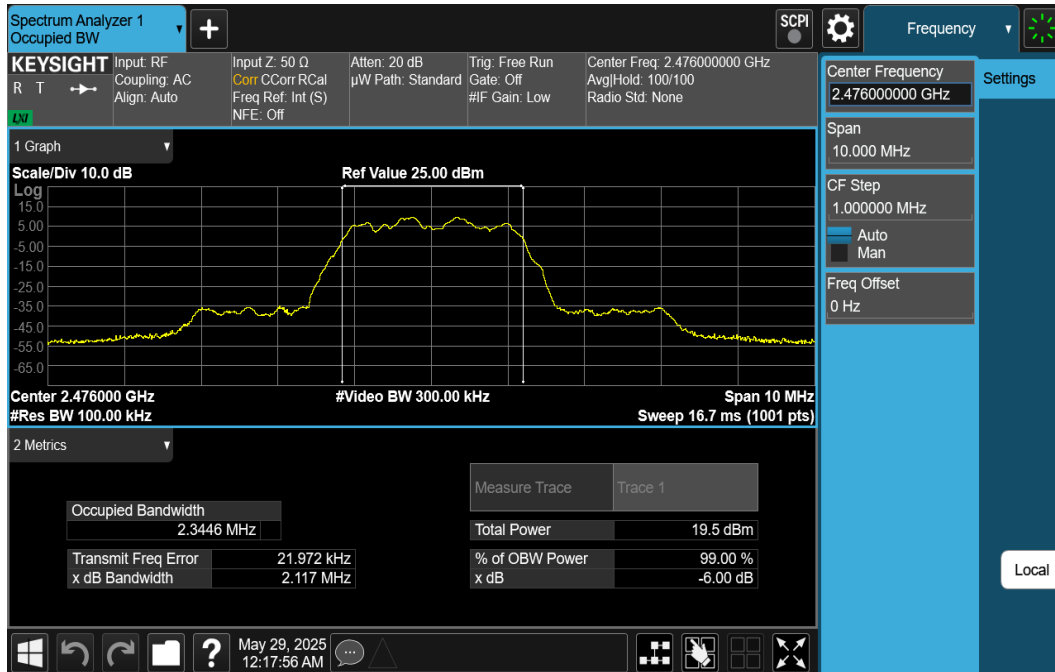
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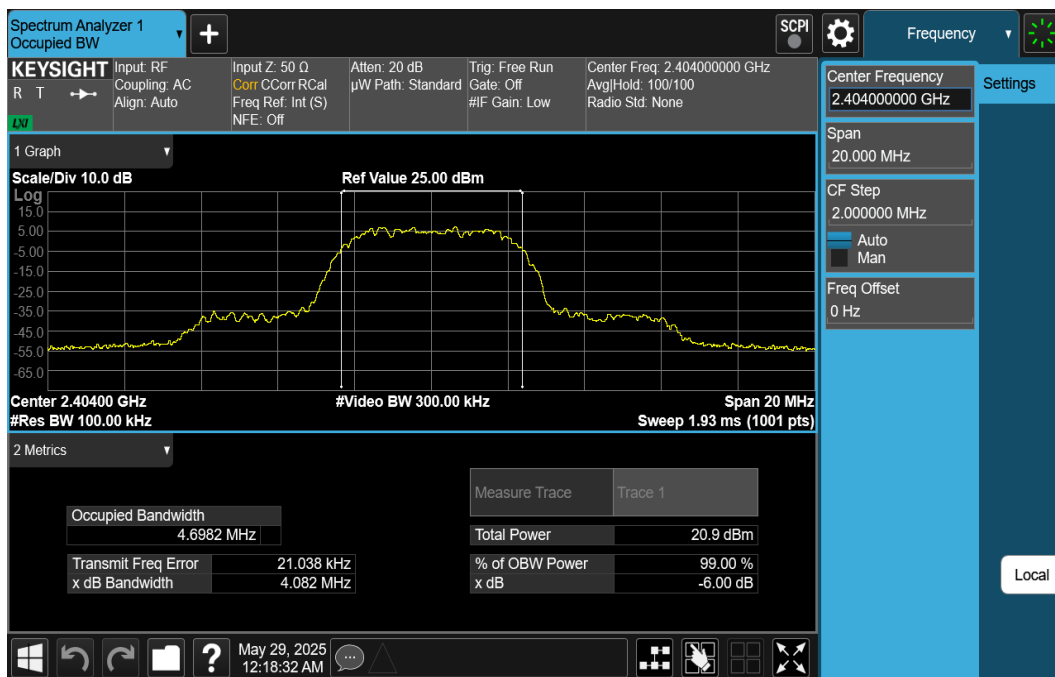
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 16 of 105

V 10.6 09/14/2023

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Plot 7-3. 6dB BW & 99% OBW Plot Ant1 (Bluetooth (HDR4), 4Mbps, – Ch. 73)

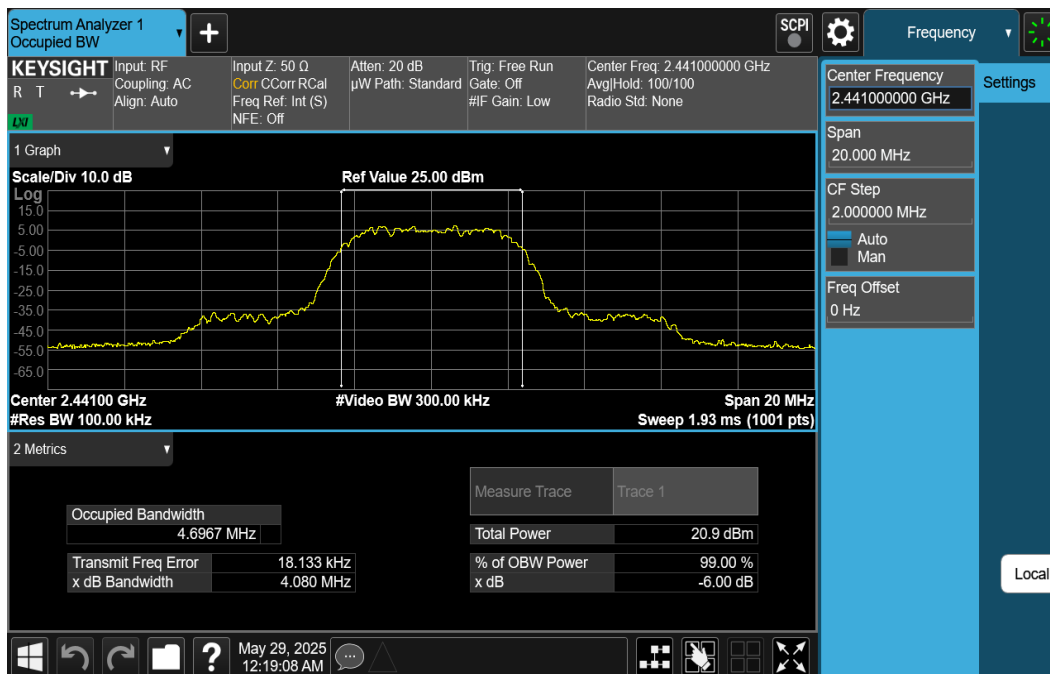


Plot 7-4. 6dB BW & 99% OBW Plot Ant1 (Bluetooth (HDR8), 8Mbps, – Ch. 1)

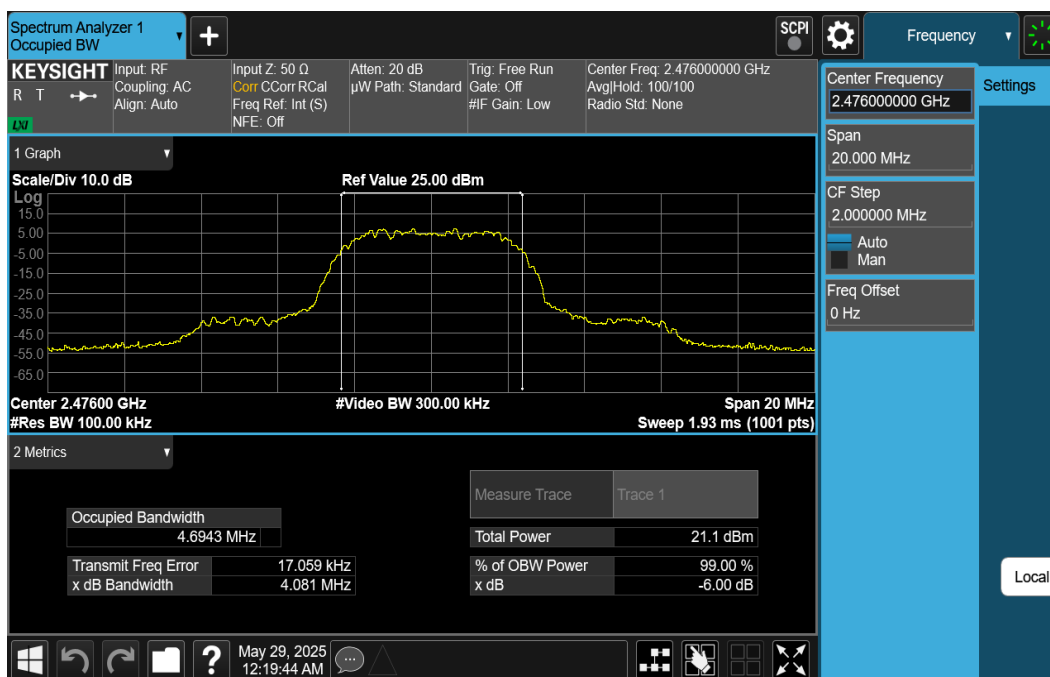
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 17 of 105

V 10.6 09/14/2023

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Plot 7-5. 6dB BW & 99% OBW Plot Ant1 (Bluetooth (HDR8), 8Mbps, – Ch. 38)



Plot 7-6. 6dB BW & 99% OBW Plot Ant1 (Bluetooth (HDR8), 8Mbps, – Ch. 73)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 18 of 105

V 10.6 09/14/2023

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Ant2

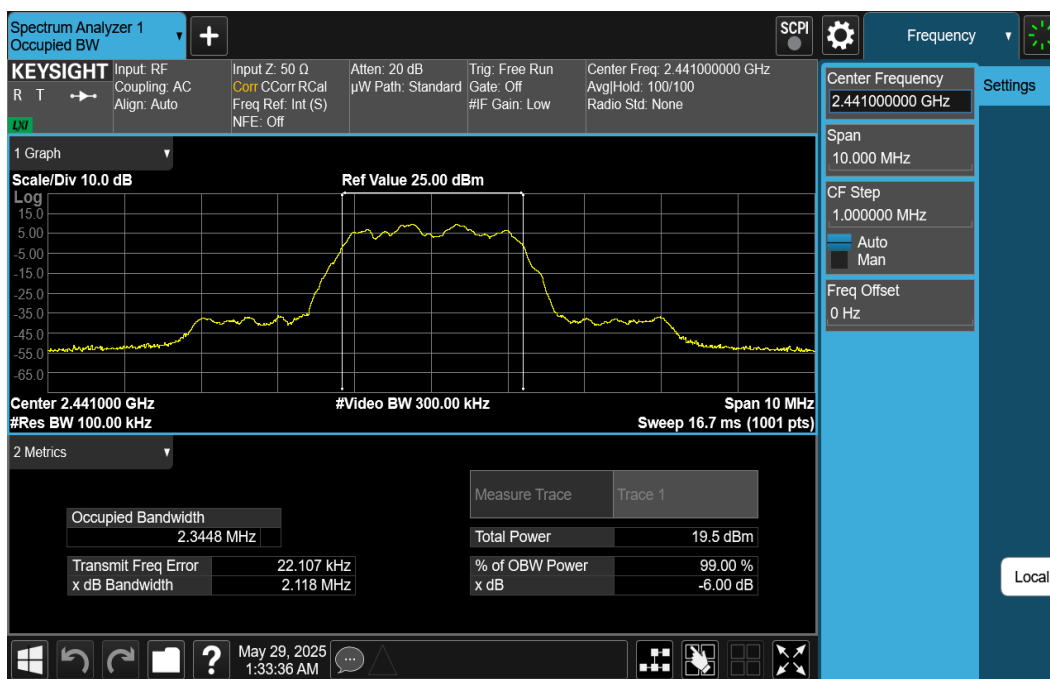
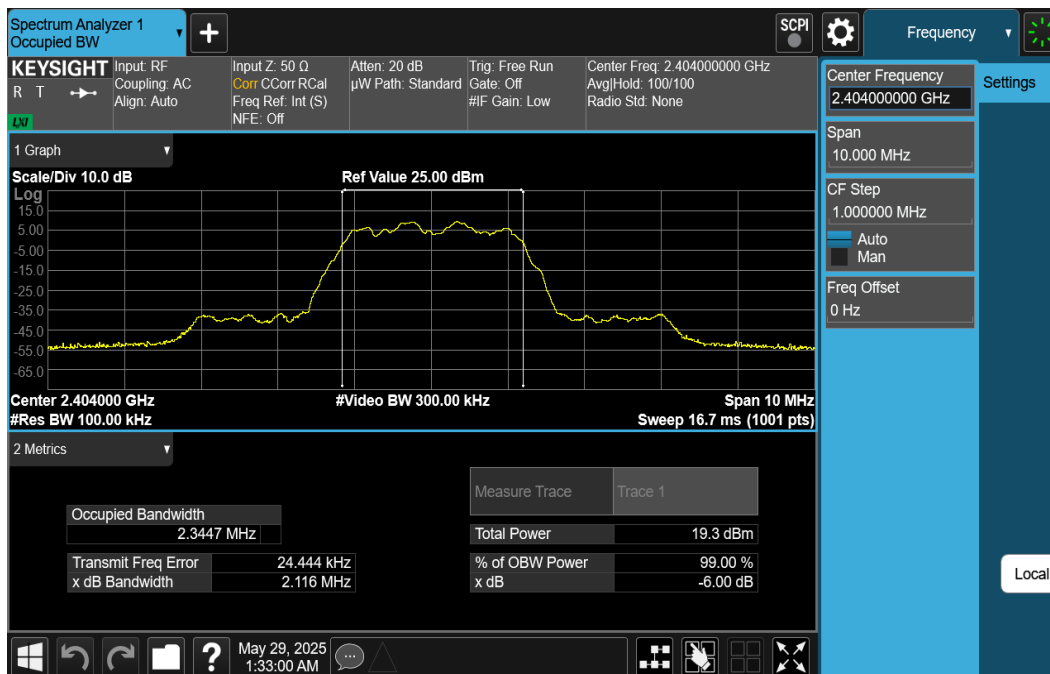
Frequency [MHz]	Mode	Power Scheme	Channel	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass/Fail
2404	HDR4	ePA	1	2.345	2.116	0.500	Pass
2441	HDR4	ePA	38	2.345	2.118	0.500	Pass
2476	HDR4	ePA	73	2.345	2.118	0.500	Pass
2404	HDR8	ePA	1	4.700	4.085	0.500	Pass
2441	HDR8	ePA	38	4.698	4.082	0.500	Pass
2476	HDR8	ePA	73	4.697	4.082	0.500	Pass

Table 7-3. 6dB BW & 99% OBW Measurements Ant2

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 19 of 105

V 10.6 09/14/2023

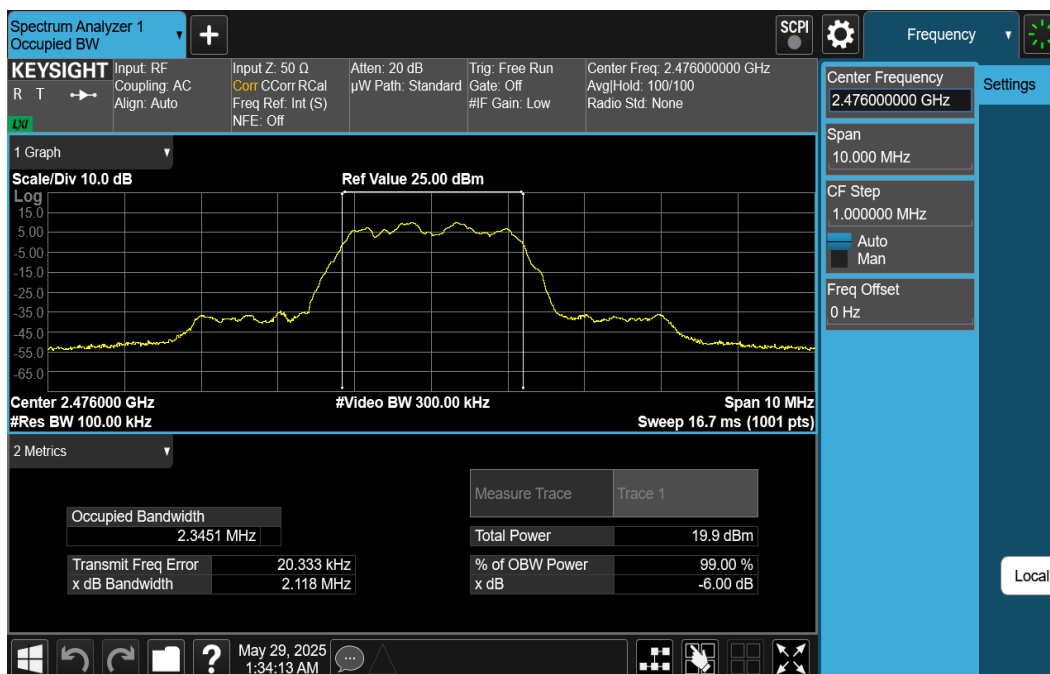
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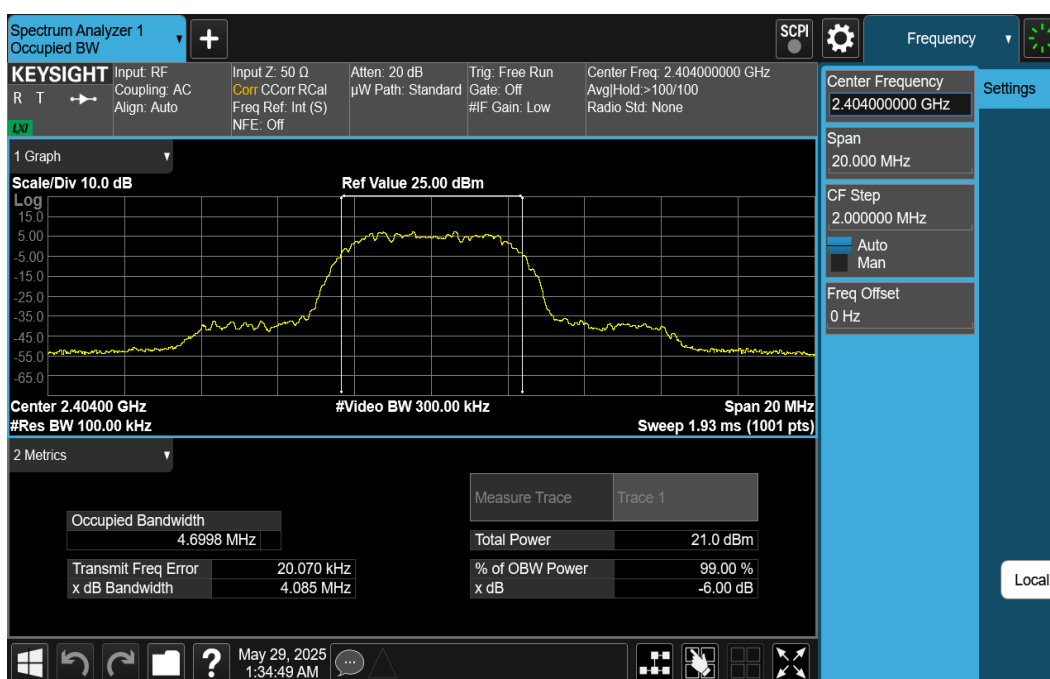
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 20 of 105

V 10.6 09/14/2023

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Plot 7-9. 6dB BW & 99% OBW Plot Ant2 (Bluetooth (HDR4), 4Mbps, – Ch. 73)

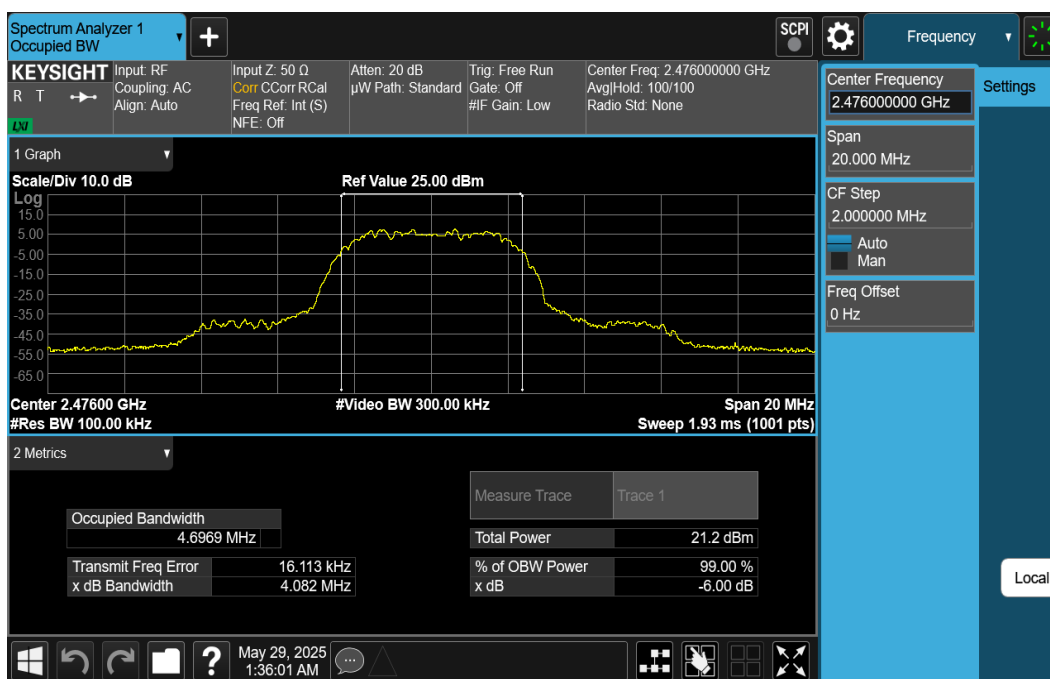
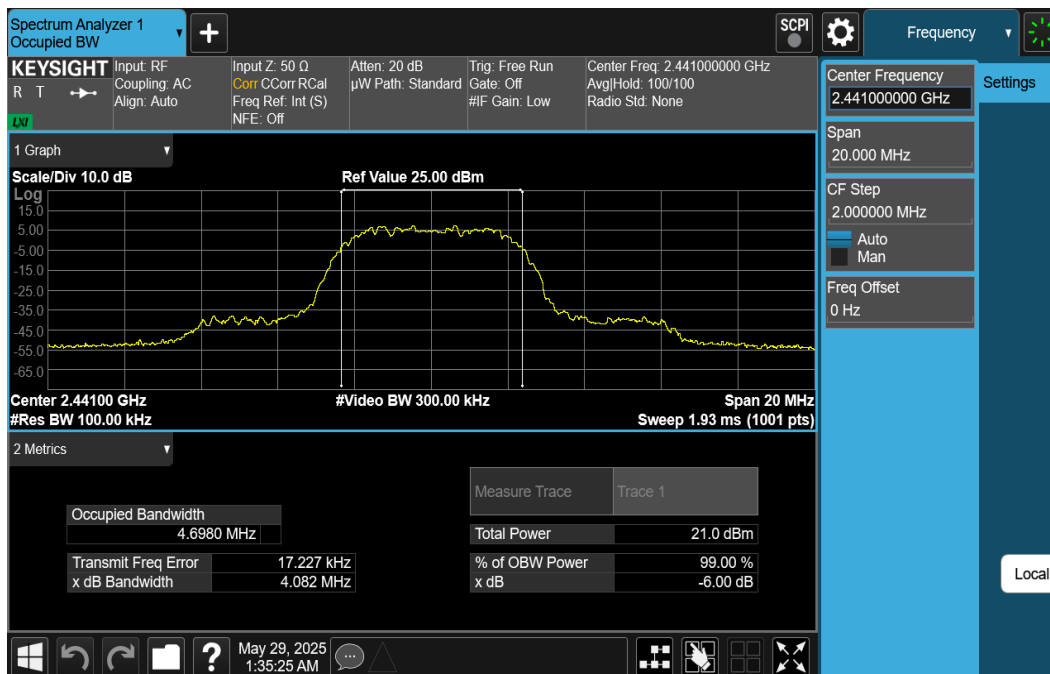


Plot 7-10. 6dB BW & 99% OBW Plot Ant2 (Bluetooth (HDR8), 8Mbps, – Ch. 1)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 21 of 105

V 10.6 09/14/2023

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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 22 of 105

V 10.6 09/14/2023

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NB UNII_L

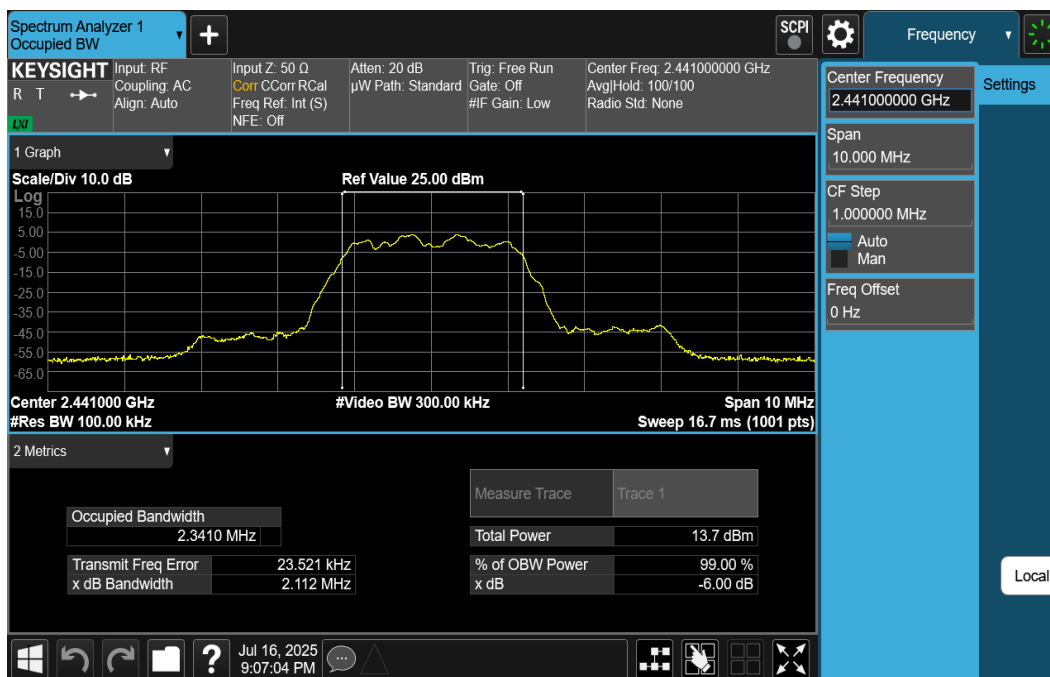
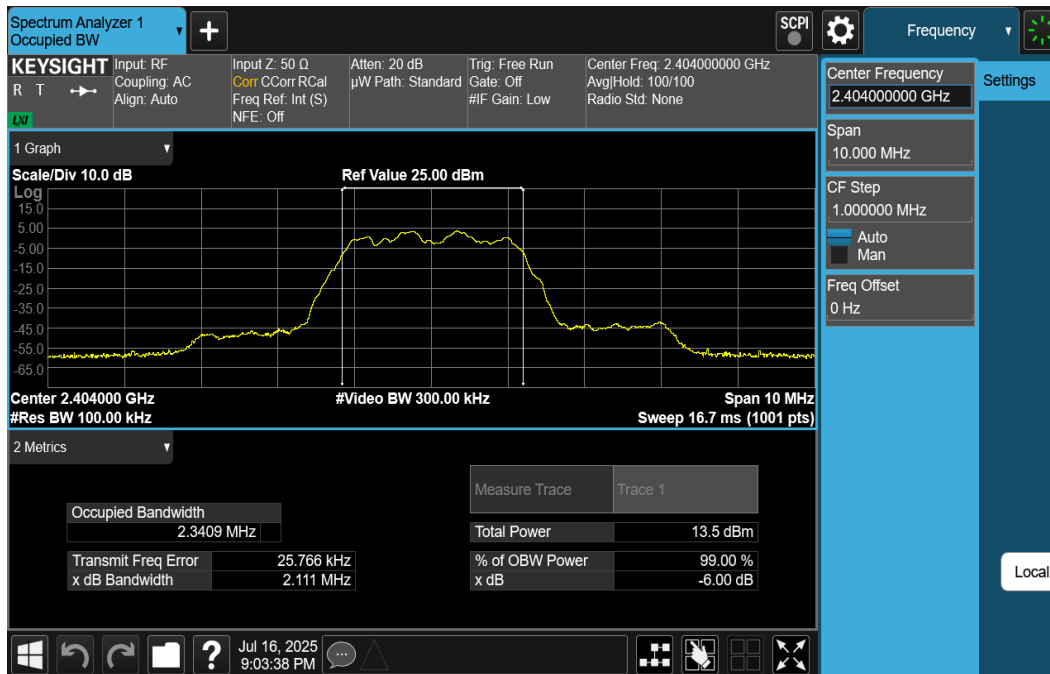
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
2404	HDR4	iPA	1	2.341	2.111	0.50	Pass
2441	HDR4	iPA	38	2.341	2.112	0.50	Pass
2476	HDR4	iPA	73	2.342	2.113	0.50	Pass
2404	HDR8	iPA	1	4.712	4.092	0.50	Pass
2441	HDR8	iPA	38	4.710	4.090	0.50	Pass
2476	HDR8	iPA	73	4.709	4.088	0.50	Pass

Table 7-4. 6dB BW & 99% OBW Measurements NB UNII_L

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 23 of 105

V 10.6 09/14/2023

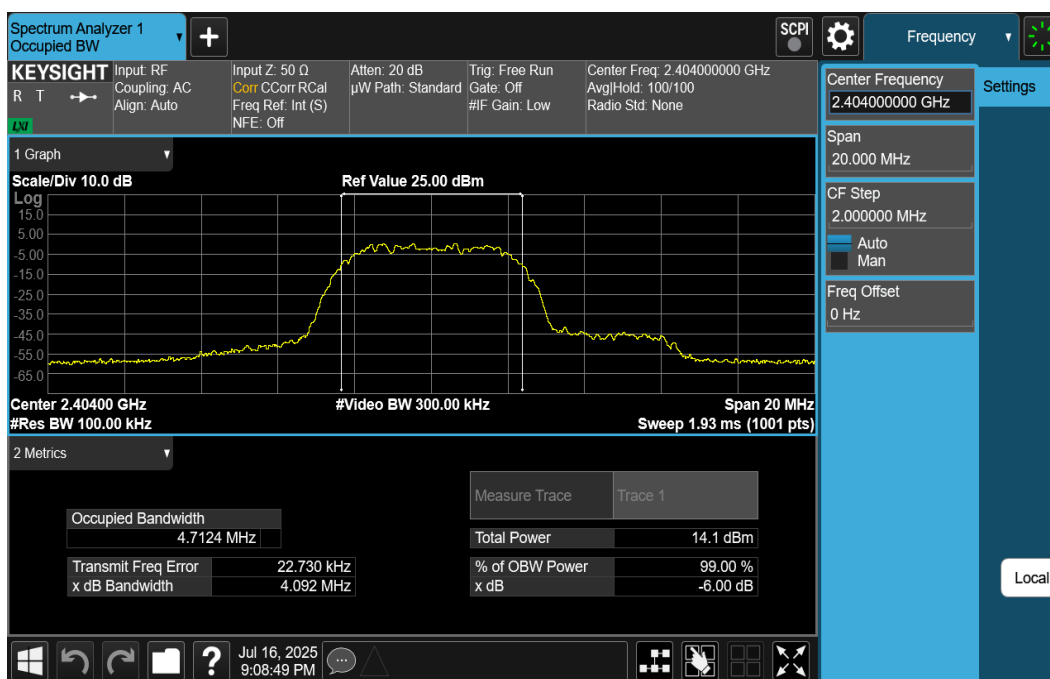
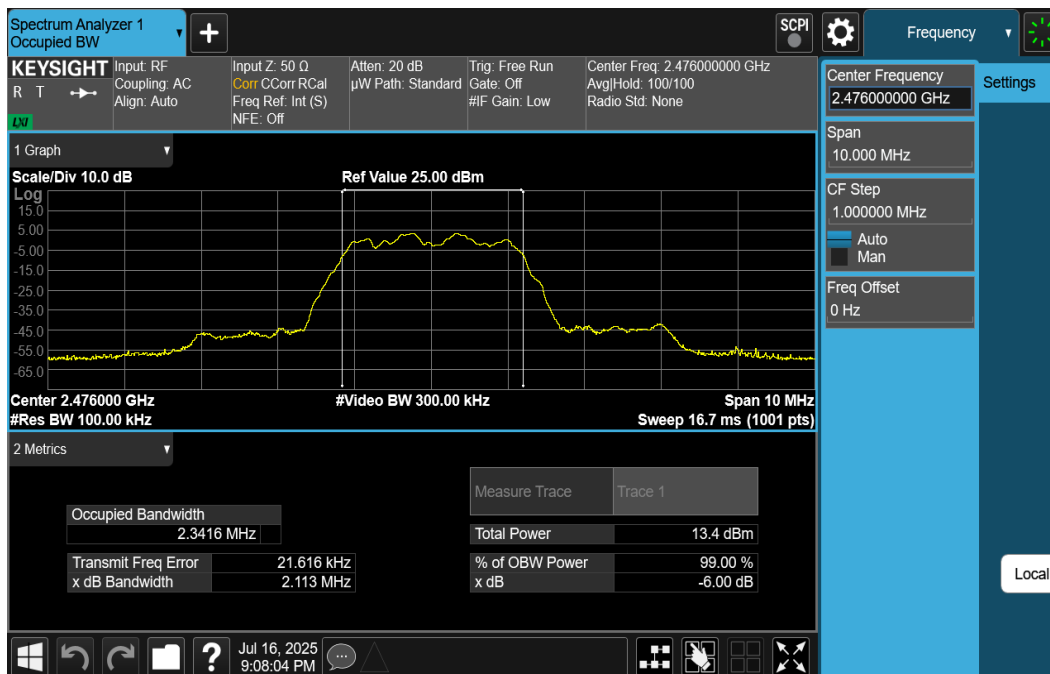
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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 24 of 105

V 10.6 09/14/2023

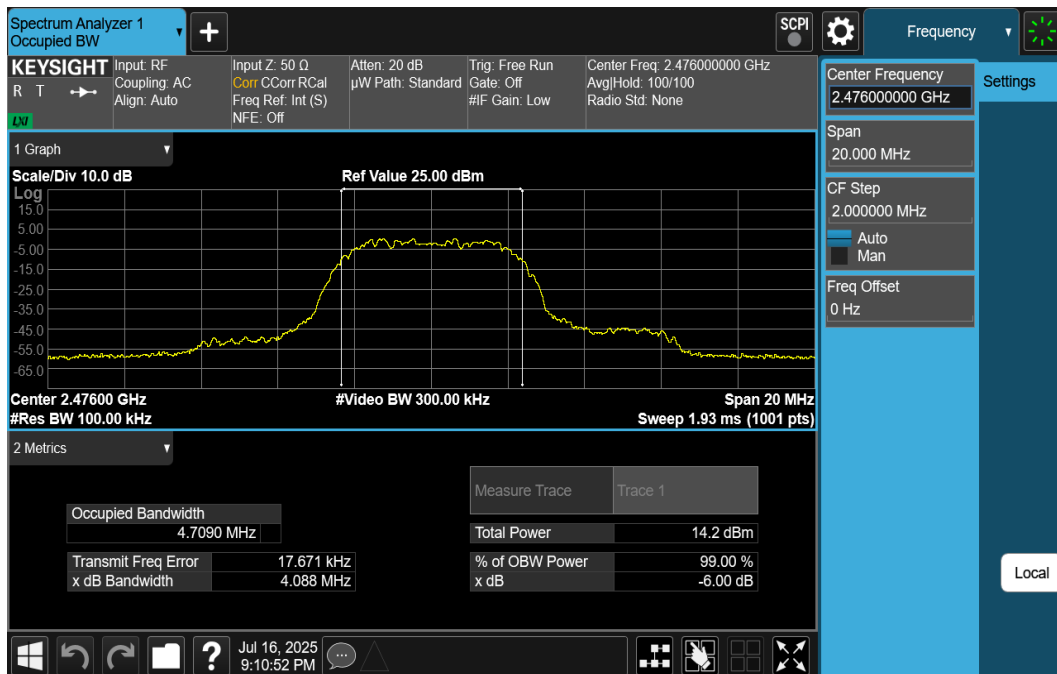
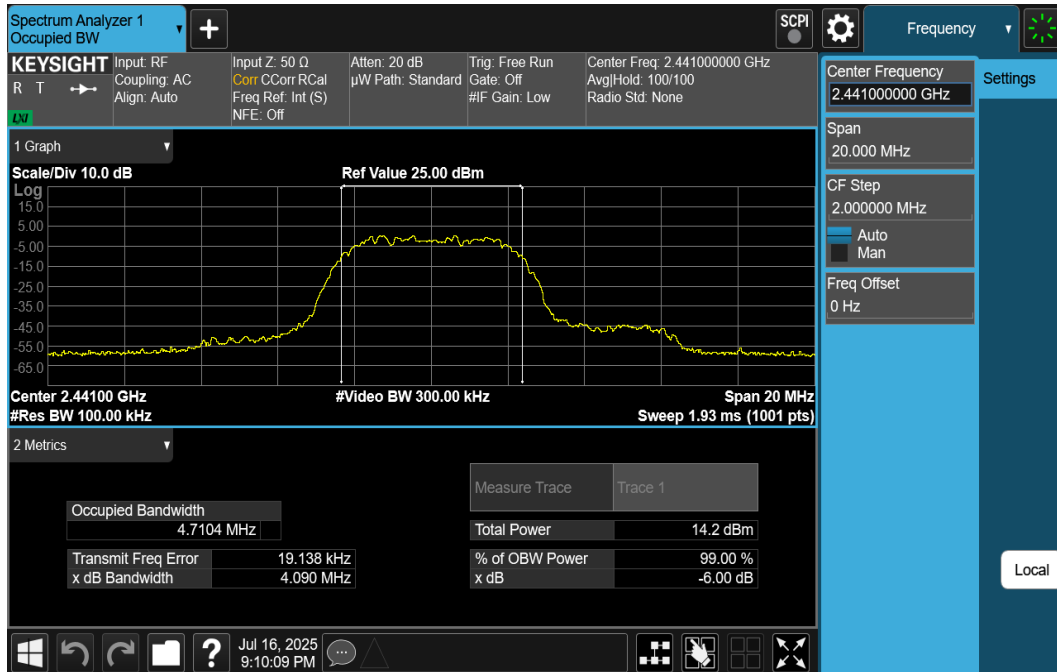
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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 25 of 105

V 10.6 09/14/2023

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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 26 of 105

V 10.6 09/14/2023

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7.3 Output Power Measurement

§15.247(b)(3); RSS-247 [5.4(d)]

Test Overview and Limits

The transmitter antenna terminal of the EUT is connected to the input of a spectrum analyzer. Measurements are made while the EUT is operating at maximum power and at the appropriate frequencies.

The maximum peak conducted output power of digital modulation systems operating in the 2400-2483.5 MHz band is 1 Watt.

The conducted output power limit on paragraph above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For DTSSs employing digital modulation techniques operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W.

Test Procedure Used

ANSI C63.10-2020 – Subclause 11.9.1.2 PKPM1 Peak Power Method
 KDB 558074 D01 v05r02 – Section 8.3.1.3 PKPM1 Peak-reading Power Meter Method
 ANSI C63.10-2020 – Subclause 11.9.2.3.2 Method AVGPM-G
 KDB 558074 D01 v05r02 – Section 8.3.2.3 Measurement using a Power Meter (PM)
 ANSI C63.10-2020 – Subclause 14.4 Measure-and-Sum Technique
 KDB 662911 D01 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Method PKPM1 (Peak Power Measurement)

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

Method AVGPM-G (Average Power Measurement)

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup for Peak and Average Power Measurement

Test Notes

None

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 27 of 105

V 10.6 09/14/2023

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7.3.1 Peak Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Peak Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	4.0	ePA	1	12.72	18.707	30.00	-17.28	1.60	14.32	36.02	-21.70
2441	4.0	ePA	38	12.80	19.055	30.00	-17.20	1.60	14.40	36.02	-21.62
2476	4.0	ePA	73	13.24	21.086	30.00	-16.76	1.60	14.84	36.02	-21.18
2404	4.0	iPA	1	6.99	5.000	30.00	-23.01	1.60	8.59	36.02	-27.43
2441	4.0	iPA	38	6.75	4.732	30.00	-23.25	1.60	8.35	36.02	-27.67
2476	4.0	iPA	73	6.77	4.753	30.00	-23.23	1.60	8.37	36.02	-27.65
2404	8.0	ePA	1	13.84	24.210	30.00	-16.16	1.60	15.44	36.02	-20.58
2441	8.0	ePA	38	13.74	23.659	30.00	-16.26	1.60	15.34	36.02	-20.68
2476	8.0	ePA	73	13.68	23.335	30.00	-16.32	1.60	15.28	36.02	-20.74
2404	8.0	iPA	1	7.28	5.346	30.00	-22.72	1.60	8.88	36.02	-27.14
2441	8.0	iPA	38	7.54	5.675	30.00	-22.46	1.60	9.14	36.02	-26.88
2476	8.0	iPA	73	7.56	5.702	30.00	-22.44	1.60	9.16	36.02	-26.86

Table 7-5. Peak Conducted Output Power Measurements Ant1 (Bluetooth HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Peak Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	4.0	ePA	1	13.02	20.045	30.00	-16.98	-1.00	12.02	36.02	-24.00
2441	4.0	ePA	38	12.70	18.621	30.00	-17.30	-1.00	11.70	36.02	-24.32
2476	4.0	ePA	73	13.17	20.749	30.00	-16.83	-1.00	12.17	36.02	-23.85
2404	4.0	iPA	1	7.04	5.058	30.00	-22.96	-1.00	6.04	36.02	-29.98
2441	4.0	iPA	38	6.71	4.688	30.00	-23.29	-1.00	5.71	36.02	-30.31
2476	4.0	iPA	73	7.02	5.035	30.00	-22.98	-1.00	6.02	36.02	-30.00
2404	8.0	ePA	1	13.72	23.550	30.00	-16.28	-1.00	12.72	36.02	-23.30
2441	8.0	ePA	38	13.79	23.933	30.00	-16.21	-1.00	12.79	36.02	-23.23
2476	8.0	ePA	73	13.57	22.751	30.00	-16.43	-1.00	12.57	36.02	-23.45
2404	8.0	iPA	1	7.82	6.053	30.00	-22.18	-1.00	6.82	36.02	-29.20
2441	8.0	iPA	38	7.50	5.623	30.00	-22.50	-1.00	6.50	36.02	-29.52
2476	8.0	iPA	73	7.43	5.534	30.00	-22.57	-1.00	6.43	36.02	-29.59

Table 7-6. Peak Conducted Output Power Measurements Ant2 (Bluetooth HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Peak Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	4.0	iPA	1	6.63	4.603	30.00	-23.37	-3.70	2.93	36.02	-33.09
2441	4.0	iPA	38	6.86	4.853	30.00	-23.14	-3.70	3.16	36.02	-32.86
2476	4.0	iPA	73	7.03	5.047	30.00	-22.97	-3.70	3.33	36.02	-32.69
2404	8.0	iPA	1	7.44	5.546	30.00	-22.56	-3.70	3.74	36.02	-32.28
2441	8.0	iPA	38	7.67	5.848	30.00	-22.33	-3.70	3.97	36.02	-32.05
2476	8.0	iPA	73	7.31	5.383	30.00	-22.69	-3.70	3.61	36.02	-32.41

Table 7-7. Peak Conducted Output Power Measurements NB UNII_L (Bluetooth HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Peak Conducted Power						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				Ant1		Ant2		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	4.0	ePA	1	13.16	20.701	13.11	20.464	16.15	41.210	30.00	-13.85	3.41	19.56	36.02	-16.46
2441	4.0	ePA	38	12.73	18.750	12.45	17.579	15.60	36.308	30.00	-14.40	3.41	19.01	36.02	-17.01
2478	4.0	ePA	75	13.06	20.230	13.09	20.370	16.09	40.644	30.00	-13.91	3.41	19.50	36.02	-16.52
2404	4.0	iPA	1	6.87	4.864	6.80	4.786	9.85	9.661	30.00	-20.15	3.41	13.26	36.02	-22.76
2441	4.0	iPA	38	6.75	4.732	6.78	4.764	9.78	9.506	30.00	-20.22	3.41	13.19	36.02	-22.83
2478	4.0	iPA	75	6.80	4.786	6.88	4.875	9.85	9.661	30.00	-20.15	3.41	13.26	36.02	-22.76
2404	8.0	ePA	1	13.99	25.061	13.73	23.605	16.87	48.641	30.00	-13.13	3.41	20.28	36.02	-15.74
2441	8.0	ePA	38	13.90	24.547	13.90	24.547	16.91	49.091	30.00	-13.09	3.41	20.32	36.02	-15.70
2478	8.0	ePA	75	14.03	25.293	13.32	21.478	16.70	46.774	30.00	-13.30	3.41	20.11	36.02	-15.91
2404	8.0	iPA	1	7.58	5.728	7.34	5.420	10.47	11.143	30.00	-19.53	3.41	13.88	36.02	-22.14
2441	8.0	iPA	38	7.50	5.623	7.51	5.636	10.52	11.272	30.00	-19.48	3.41	13.93	36.02	-22.09
2478	8.0	iPA	75	7.54	5.675	7.77	5.984	10.67	11.668	30.00	-19.33	3.41	14.08	36.02	-21.94

Table 7-8. Peak Conducted Output Power Measurements TxBF (Bluetooth HDR)

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 28 of 105

V 10.6 09/14/2023

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7.3.2 Average Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Average Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	4.0	ePA	1	9.97	9.929	30.00	-20.03	1.60	11.57	36.02	-24.45
2441	4.0	ePA	38	10.06	10.144	30.00	-19.94	1.60	11.66	36.02	-24.36
2476	4.0	ePA	73	10.50	11.220	30.00	-19.50	1.60	12.10	36.02	-23.92
2404	4.0	iPA	1	4.35	2.722	30.00	-25.65	1.60	5.95	36.02	-30.07
2441	4.0	iPA	38	4.12	2.581	30.00	-25.88	1.60	5.72	36.02	-30.30
2476	4.0	iPA	73	4.14	2.595	30.00	-25.86	1.60	5.74	36.02	-30.28
2404	8.0	ePA	1	10.28	10.654	30.00	-19.73	1.60	11.88	36.02	-24.15
2441	8.0	ePA	38	10.21	10.486	30.00	-19.79	1.60	11.81	36.02	-24.21
2476	8.0	ePA	73	10.15	10.359	30.00	-19.85	1.60	11.75	36.02	-24.27
2404	8.0	iPA	1	3.89	2.451	30.00	-26.11	1.60	5.49	36.02	-30.53
2441	8.0	iPA	38	4.16	2.608	30.00	-25.84	1.60	5.76	36.02	-30.26
2476	8.0	iPA	73	4.19	2.622	30.00	-25.81	1.60	5.79	36.02	-30.23

Table 7-9. Average Conducted Output Power Measurements Ant1 (Bluetooth HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Average Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	4.0	ePA	1	10.33	10.792	30.00	-19.67	-1.00	9.33	36.02	-26.69
2441	4.0	ePA	38	10.02	10.044	30.00	-19.98	-1.00	9.02	36.02	-27.00
2476	4.0	ePA	73	10.48	11.174	30.00	-19.52	-1.00	9.48	36.02	-26.54
2404	4.0	iPA	1	4.44	2.778	30.00	-25.56	-1.00	3.44	36.02	-32.58
2441	4.0	iPA	38	4.11	2.575	30.00	-25.89	-1.00	3.11	36.02	-32.91
2476	4.0	iPA	73	4.43	2.771	30.00	-25.57	-1.00	3.43	36.02	-32.59
2404	8.0	ePA	1	10.27	10.646	30.00	-19.73	-1.00	9.27	36.02	-26.75
2441	8.0	ePA	38	10.33	10.789	30.00	-19.67	-1.00	9.33	36.02	-26.69
2476	8.0	ePA	73	10.12	10.283	30.00	-19.88	-1.00	9.12	36.02	-26.90
2404	8.0	iPA	1	4.48	2.808	30.00	-25.52	-1.00	3.48	36.02	-32.54
2441	8.0	iPA	38	4.17	2.609	30.00	-25.84	-1.00	3.17	36.02	-32.86
2476	8.0	iPA	73	4.11	2.576	30.00	-25.89	-1.00	3.11	36.02	-32.91

Table 7-10. Average Conducted Output Power Measurements Ant2 (Bluetooth HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Average Conducted Power		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				[dBm]	[mW]						
2404	4.0	iPA	1	3.97	2.495	30.00	-26.03	-3.70	0.27	36.02	-35.75
2441	4.0	iPA	38	4.22	2.642	30.00	-25.78	-3.70	0.52	36.02	-35.50
2476	4.0	iPA	73	4.40	2.754	30.00	-25.60	-3.70	0.70	36.02	-35.32
2404	8.0	iPA	1	4.03	2.529	30.00	-25.97	-3.70	0.33	36.02	-35.69
2441	8.0	iPA	38	4.27	2.673	30.00	-25.73	-3.70	0.57	36.02	-35.45
2476	8.0	iPA	73	3.92	2.466	30.00	-26.08	-3.70	0.22	36.02	-35.80

Table 7-11. Average Conducted Output Power Measurements NB Uu_L (Bluetooth HDR)

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Average Conducted Power						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	EIRP Margin [dB]
				Ant1		Ant2		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	4.0	ePA	1	10.40	10.970	10.41	11.000	13.42	21.979	30.00	-16.58	3.41	16.83	36.02	-19.19
2441	4.0	ePA	38	10.00	9.995	9.76	9.471	12.89	19.454	30.00	-17.11	3.41	16.30	36.02	-19.72
2478	4.0	ePA	75	10.33	10.787	10.40	10.967	13.38	21.777	30.00	-16.62	3.41	16.79	36.02	-19.23
2404	4.0	iPA	1	4.23	2.649	4.18	2.616	7.21	5.260	30.00	-22.79	3.41	10.62	36.02	-25.40
2441	4.0	iPA	38	4.12	2.580	4.17	2.614	7.15	5.188	30.00	-22.85	3.41	10.56	36.02	-25.46
2478	4.0	iPA	75	4.17	2.613	4.29	2.685	7.24	5.297	30.00	-22.76	3.41	10.65	36.02	-25.37
2404	8.0	ePA	1	10.44	11.059	10.27	10.644	13.37	21.727	30.00	-16.63	3.41	16.78	36.02	-19.24
2441	8.0	ePA	38	10.36	10.869	10.45	11.084	13.42	21.979	30.00	-16.58	3.41	16.83	36.02	-19.19
2478	8.0	ePA	75	10.50	11.220	9.88	9.721	13.21	20.941	30.00	-16.79	3.41	16.62	36.02	-19.40
2404	8.0	iPA	1	4.17	2.615	4.00	2.513	7.10	5.129	30.00	-22.90	3.41	10.51	36.02	-25.51
2441	8.0	iPA	38	4.11	2.578	4.17	2.615	7.15	5.188	30.00	-22.85	3.41	10.56	36.02	-25.46
2478	8.0	iPA	75	4.17	2.611	4.47	2.799	7.33	5.408	30.00	-22.67	3.41	10.74	36.02	-25.28

Table 7-12. Average Conducted Output Power Measurements TxBF (Bluetooth HDR)

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 29 of 105

V 10.6 09/14/2023

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Note:

Per ANSI C63.10-2020 and KDB 662911 D01 v02r01 Section E)1), the conducted powers at Ant1 and Ant2 were first measured separately during TxBF transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2020 Subclause 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log [(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Sample TxBF Calculation:

At 2404MHz the average conducted output power was measured to be 10.40 dBm for Ant1 and 10.41 dBm for Ant2.

$$\text{Ant1} + \text{Ant2} = \text{TxBF}$$

$$(10.40 \text{ dBm} + 10.41 \text{ dBm}) = (10.970 \text{ mW} + 11.000 \text{ mW}) = 21.970 \text{ mW} = 13.42 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 2404MHz, the average conducted output power was calculated to be 13.42 dBm with directional antenna gain of 3.41 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$13.42 \text{ dBm} + 3.41 \text{ dBi} = 16.83 \text{ dBm}$$

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 30 of 105

V 10.6 09/14/2023

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7.4 Power Spectral Density

§15.247(e); RSS-247 [5.2]

Test Overview and Limit

The peak power density is 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.

The maximum permissible power spectral density is 8 dBm in any 3 kHz band.

Test Procedure Used

ANSI C63.10-2020 – Subclause 11.10.2 Method PKPSD

KDB 558074 D01 v05r02 – Section 8.4 DTS Maximum Power Spectral Density level in the fundamental emission

ANSI C63.10-2020 – Subclause 14.5.2.2 Measure-and-Sum Technique

KDB 662911 D01 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the DTS channel under investigation
2. Span = 1.5 times the DTS channel bandwidth
3. RBW = 3kHz
4. VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Trace was allowed to stabilize

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

None

FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 31 of 105

V 10.6 09/14/2023

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Ant1

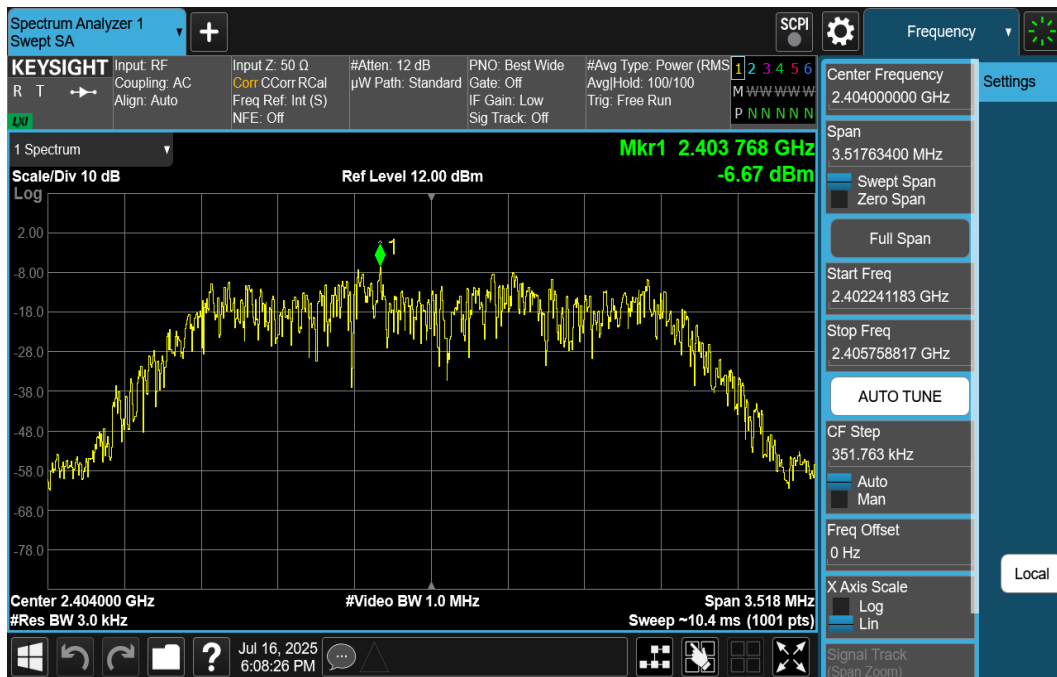
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-6.67	8.0	-14.67
2441	HDR4	ePA	38	-6.61	8.0	-14.61
2476	HDR4	ePA	73	-5.97	8.0	-13.97
2404	HDR4	iPA	1	-12.22	8.0	-20.22
2441	HDR4	iPA	38	-12.46	8.0	-20.46
2476	HDR4	iPA	73	-12.40	8.0	-20.40
2404	HDR8	ePA	1	-8.80	8.0	-16.80
2441	HDR8	ePA	38	-8.74	8.0	-16.74
2476	HDR8	ePA	73	-8.78	8.0	-16.78
2404	HDR8	iPA	1	-15.00	8.0	-23.00
2441	HDR8	iPA	38	-14.93	8.0	-22.93
2476	HDR8	iPA	73	-14.88	8.0	-22.88

Table 7-13. Conducted Power Density Measurements Ant1

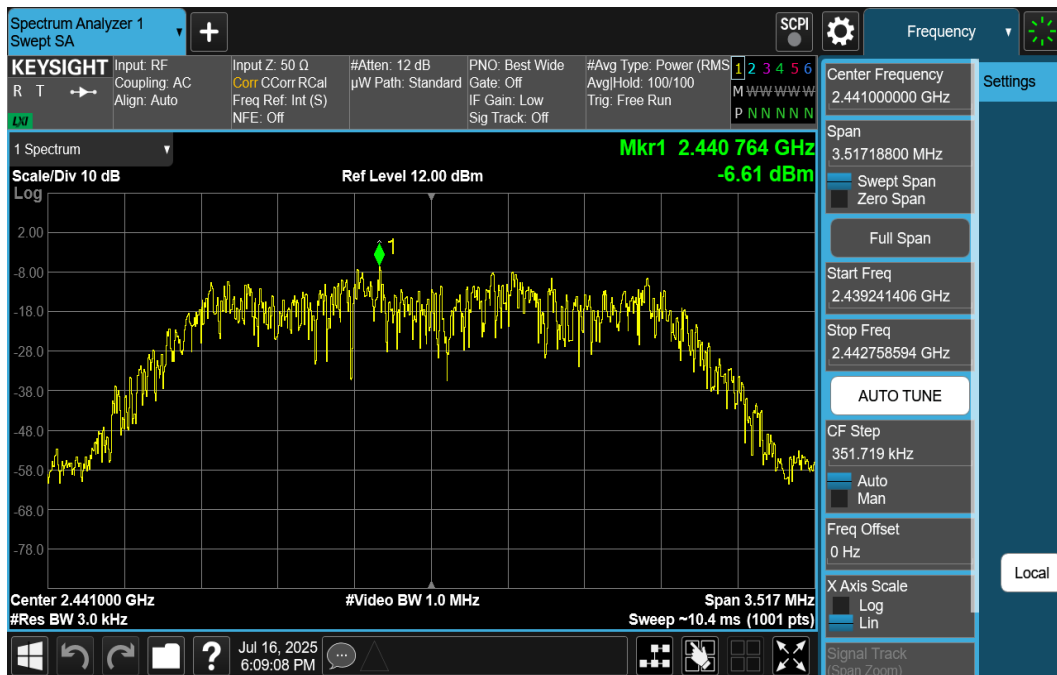
FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 32 of 105

V 10.6 09/14/2023

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Plot 7-19. Power Spectral Density Plot Ant1 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)

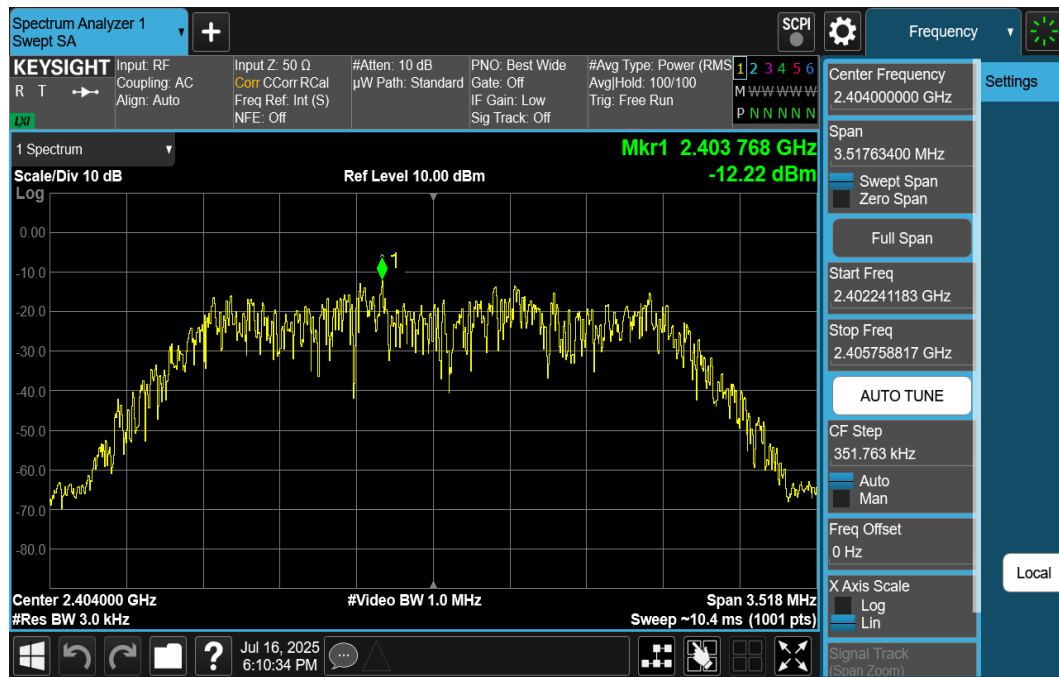
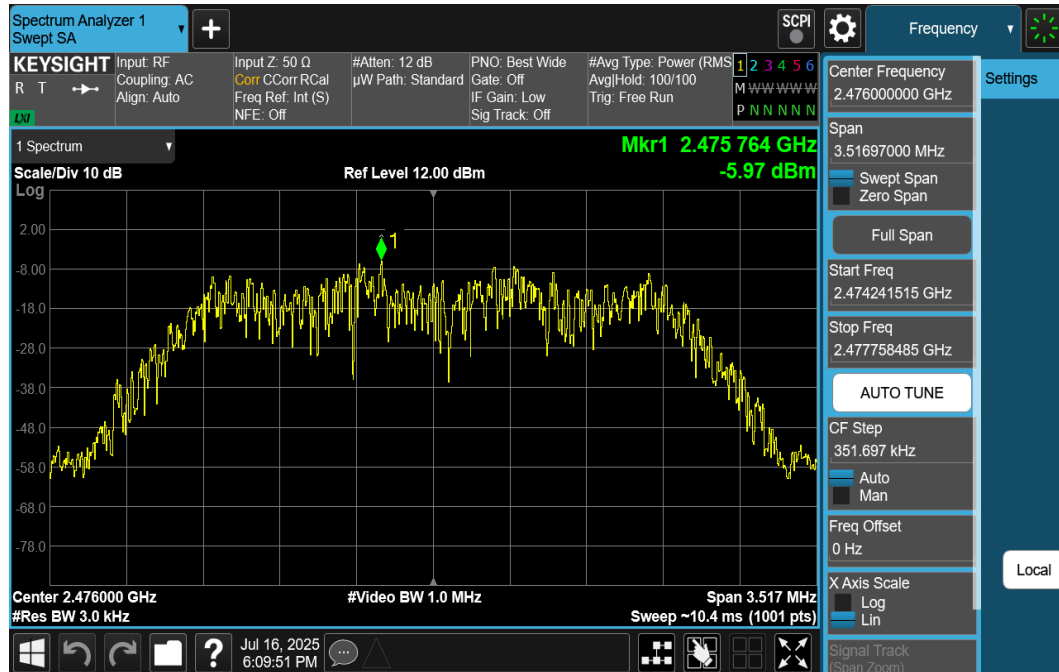


Plot 7-20. Power Spectral Density Plot Ant1 (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 33 of 105

V 10.6 09/14/2023

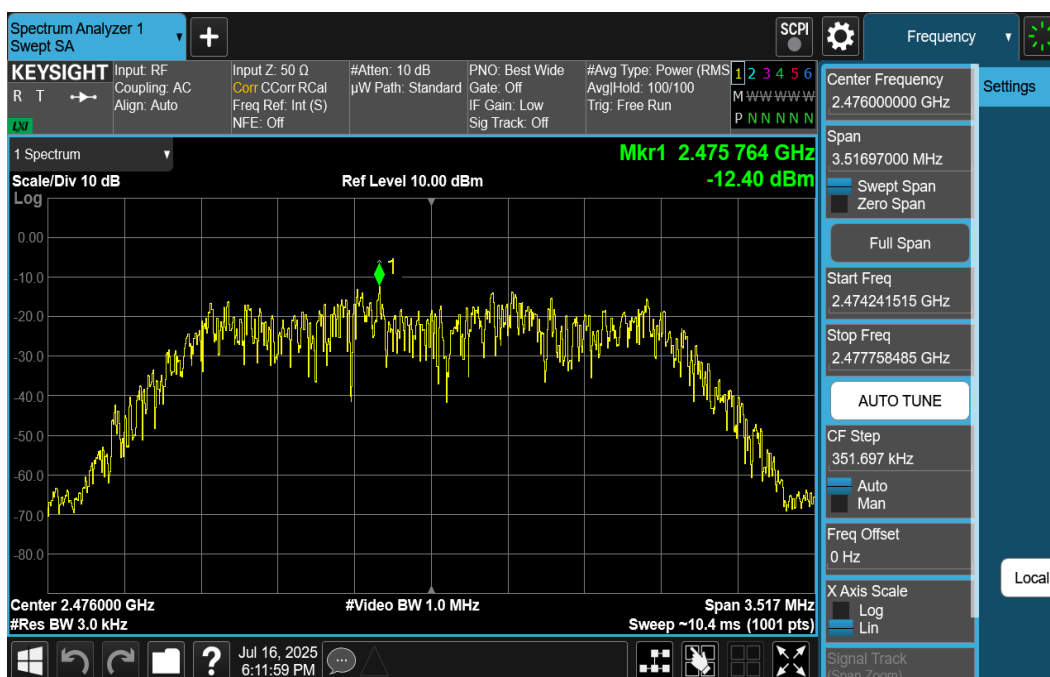
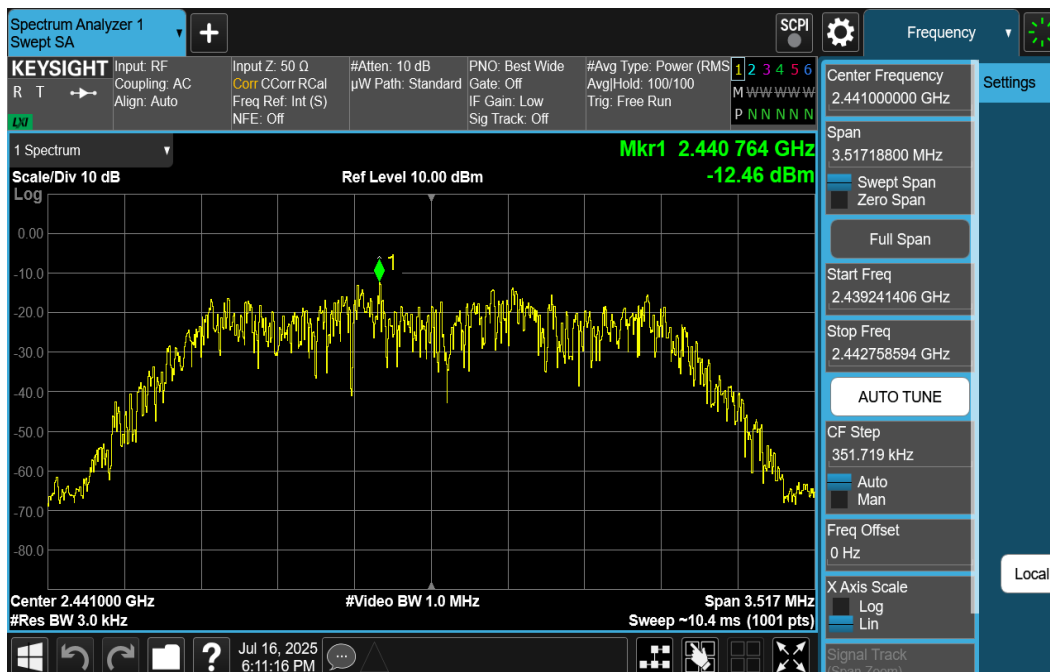
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FCC ID: BCGA3416 IC: 579C-A3416	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 34 of 105

V 10.6 09/14/2023

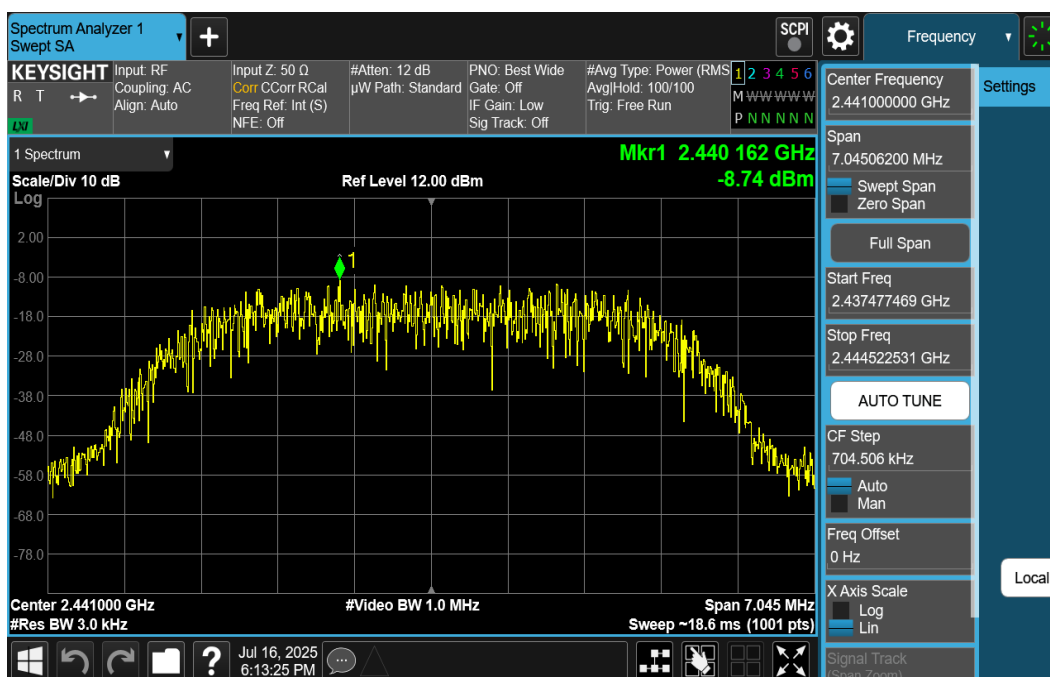
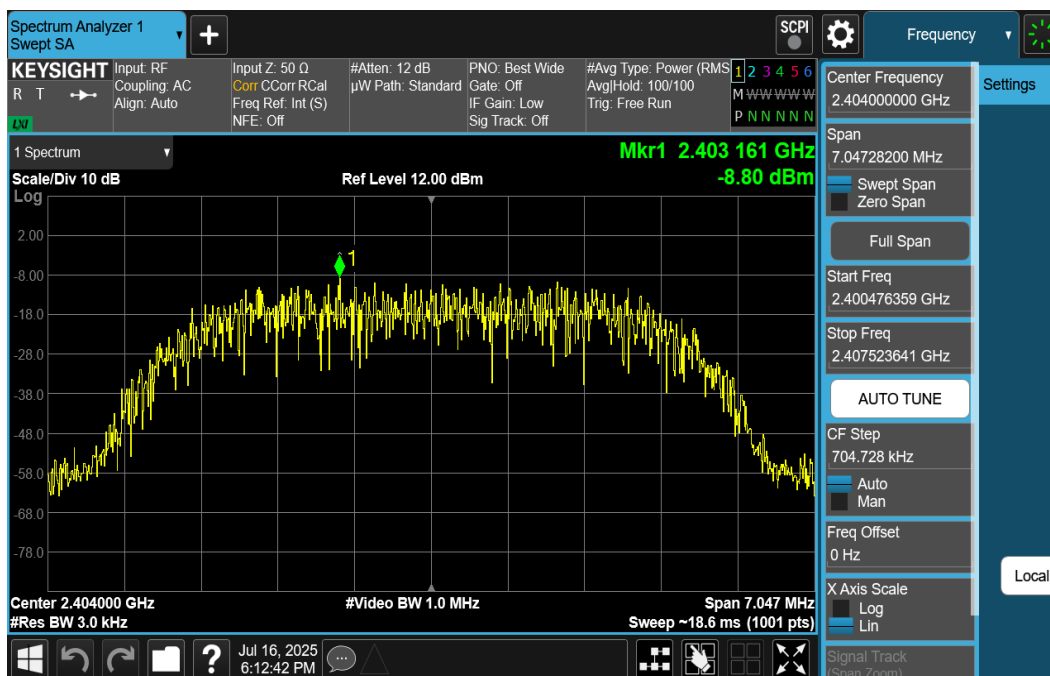
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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 35 of 105

V 10.6 09/14/2023

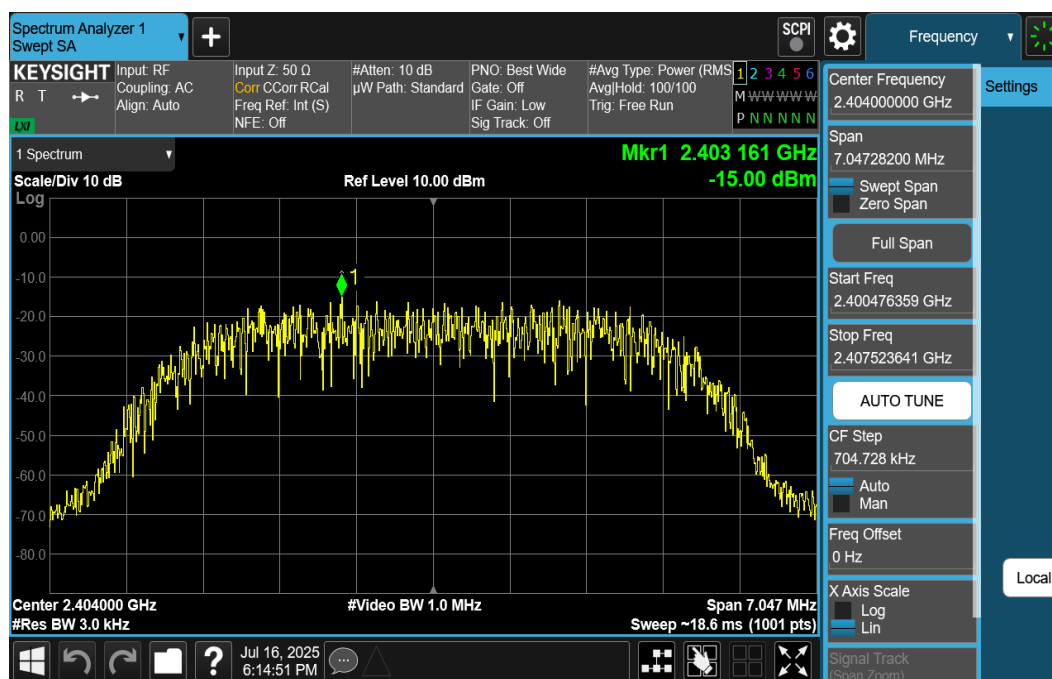
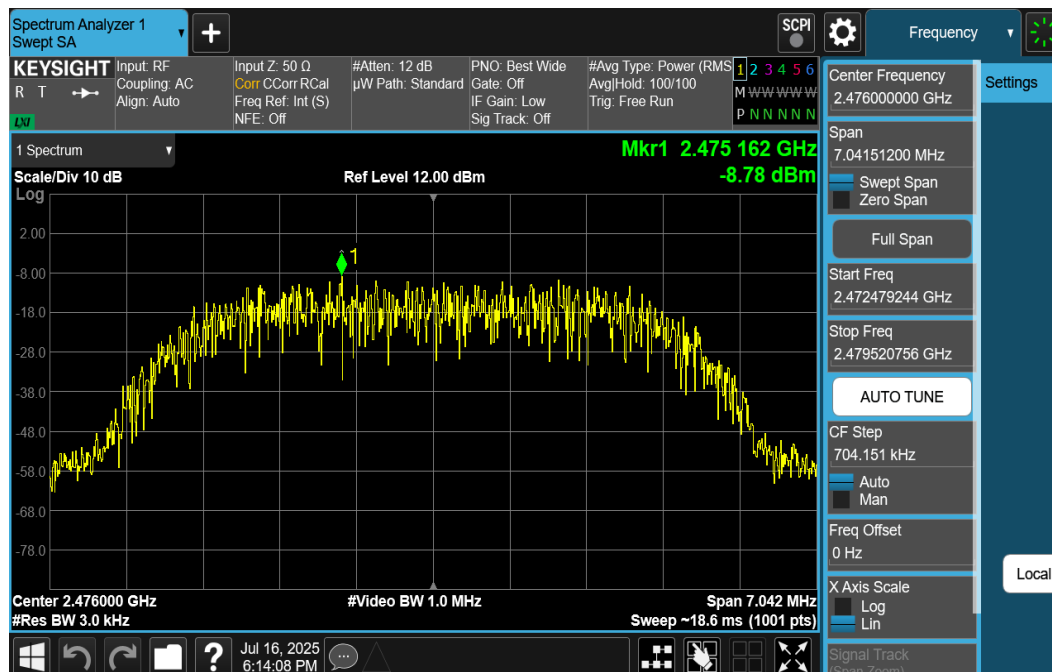
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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 36 of 105

V 10.6 09/14/2023

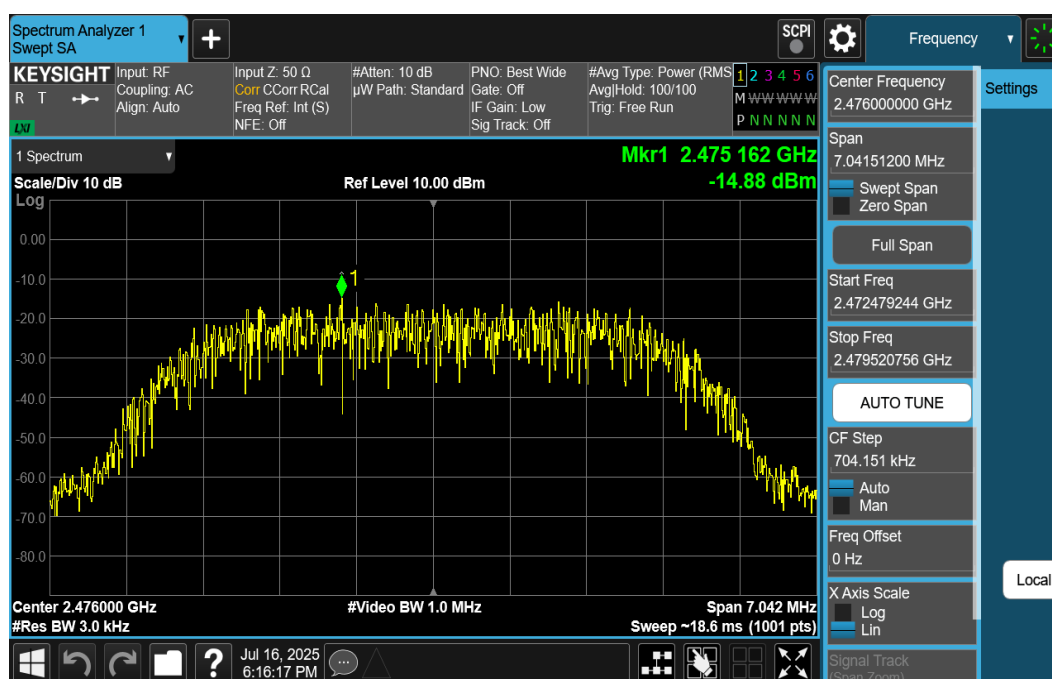
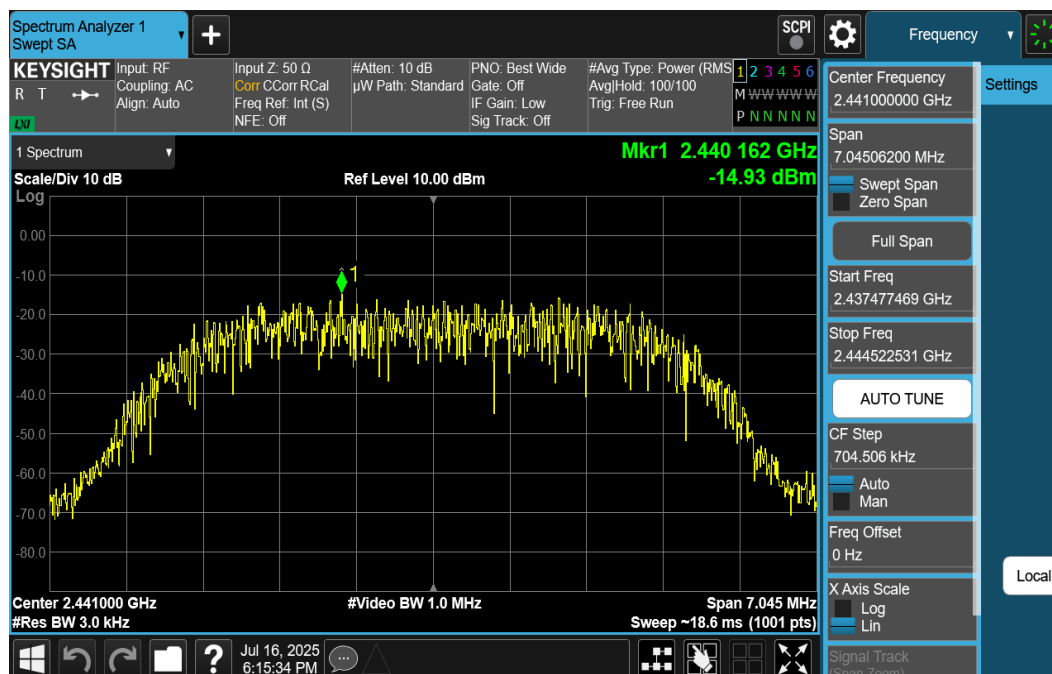
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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 37 of 105

V 10.6 09/14/2023

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FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 38 of 105

V 10.6 09/14/2023

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Ant2

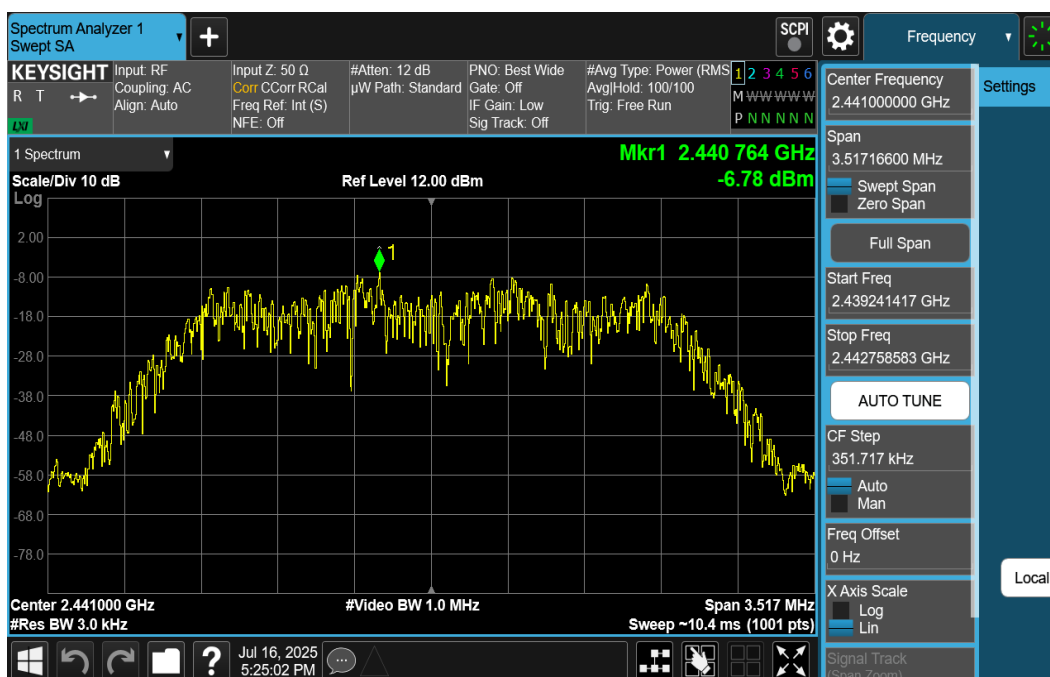
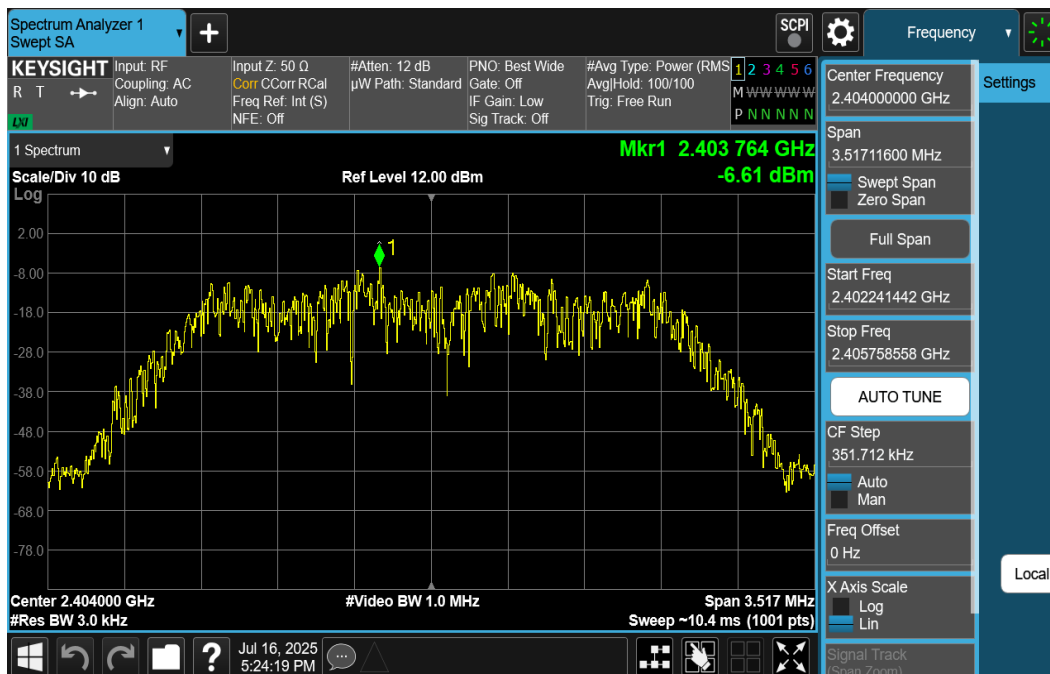
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]
2404	HDR4	ePA	1	-6.61	8.0	-14.61
2441	HDR4	ePA	38	-6.78	8.0	-14.78
2478	HDR4	ePA	75	-6.14	8.0	-14.14
2404	HDR4	iPA	1	-12.12	8.0	-20.12
2441	HDR4	iPA	38	-12.24	8.0	-20.24
2478	HDR4	iPA	75	-12.28	8.0	-20.28
2404	HDR8	ePA	1	-8.93	8.0	-16.93
2441	HDR8	ePA	38	-9.29	8.0	-17.29
2478	HDR8	ePA	75	-9.12	8.0	-17.12
2404	HDR8	iPA	1	-15.10	8.0	-23.10
2441	HDR8	iPA	38	-15.11	8.0	-23.11
2478	HDR8	iPA	75	-14.99	8.0	-22.99

Table 7-14. Conducted Power Density Measurements Ant2

FCC ID: BCGA3416 IC: 579C-A3416		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 39 of 105

V 10.6 09/14/2023

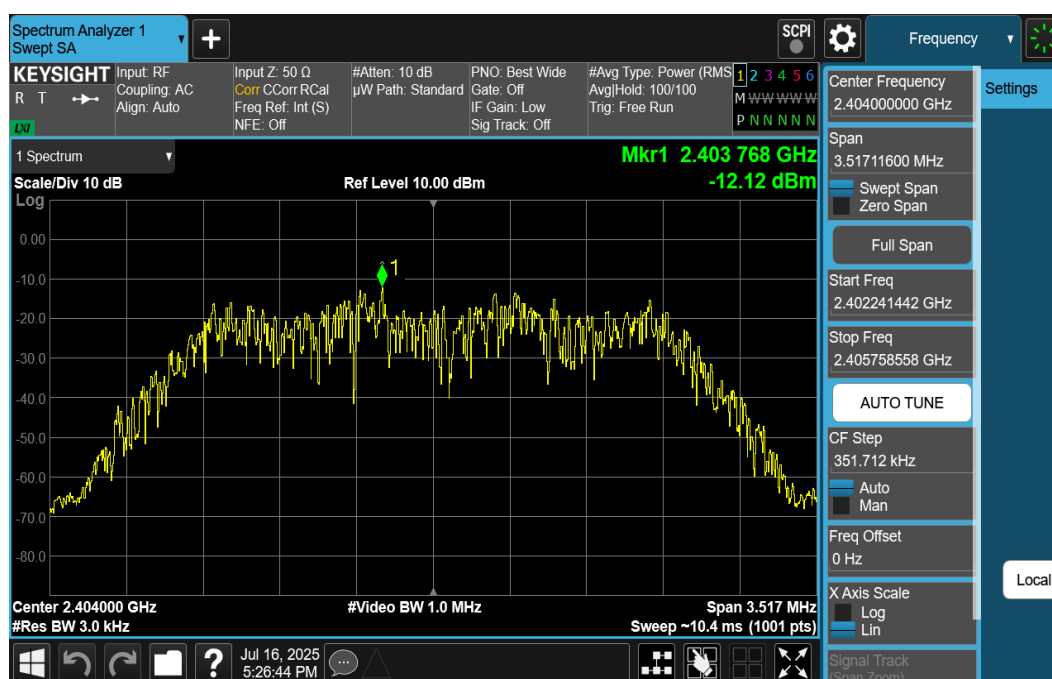
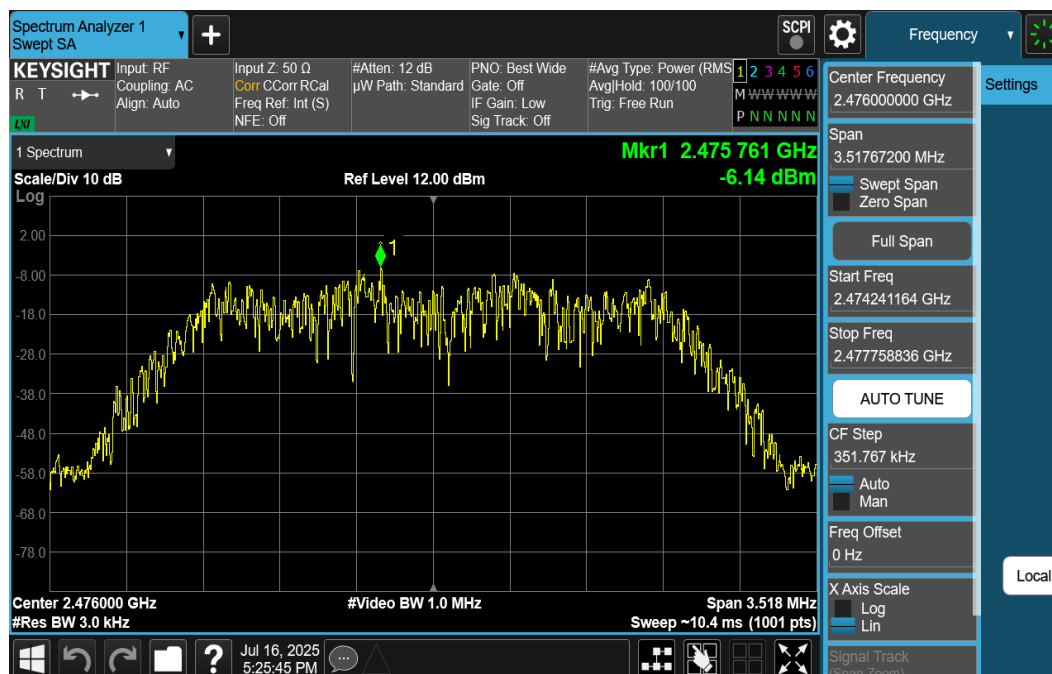
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Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 40 of 105

V 10.6 09/14/2023

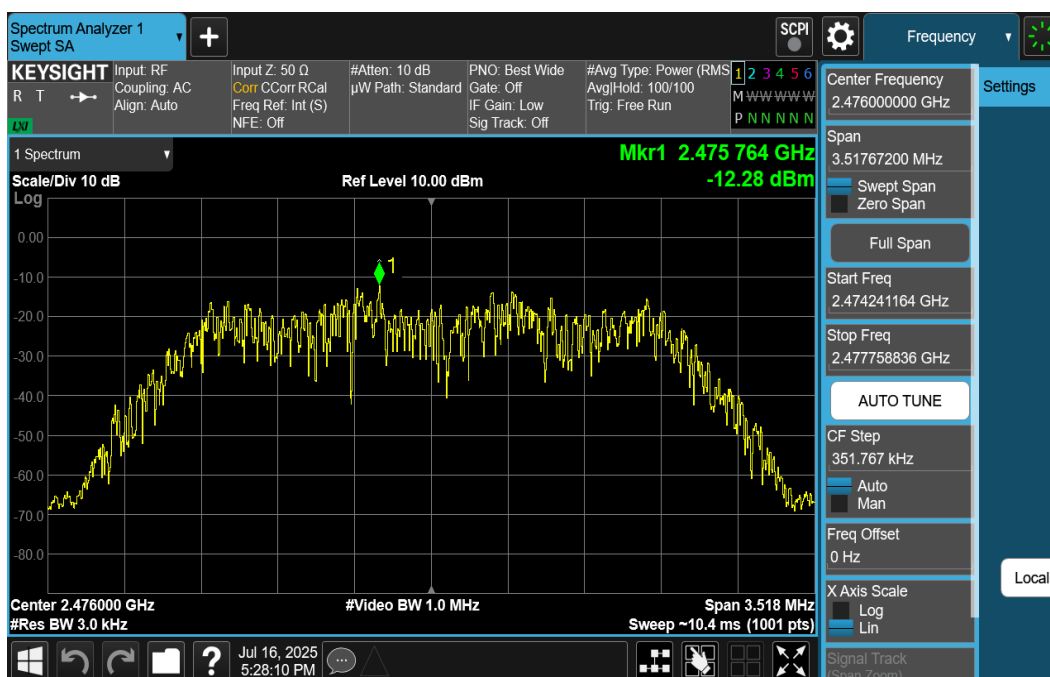
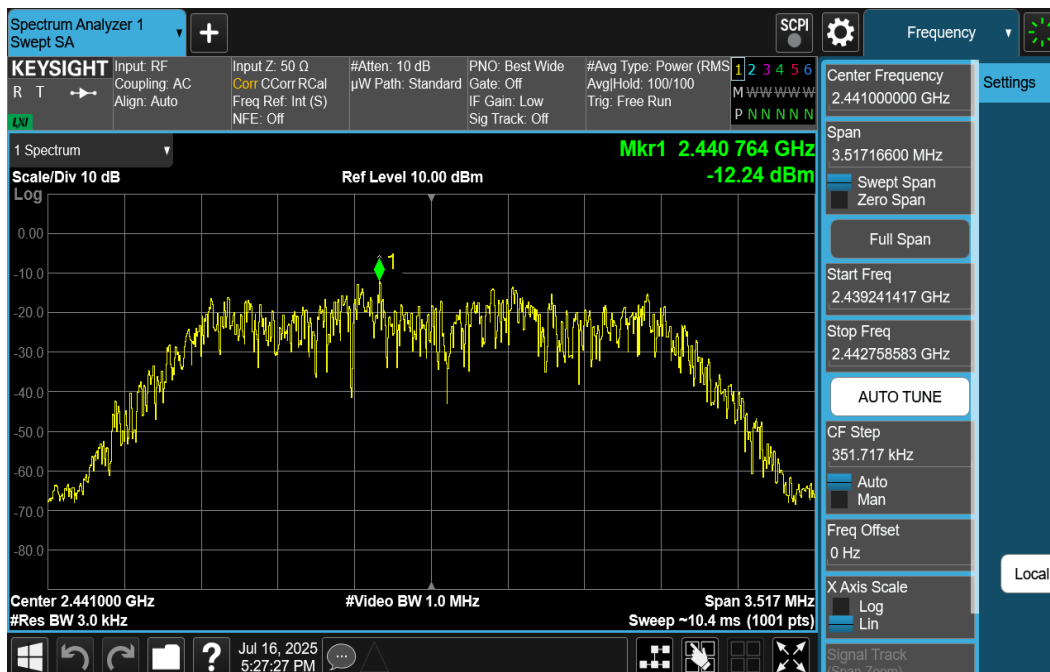
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V 10.6 09/14/2023

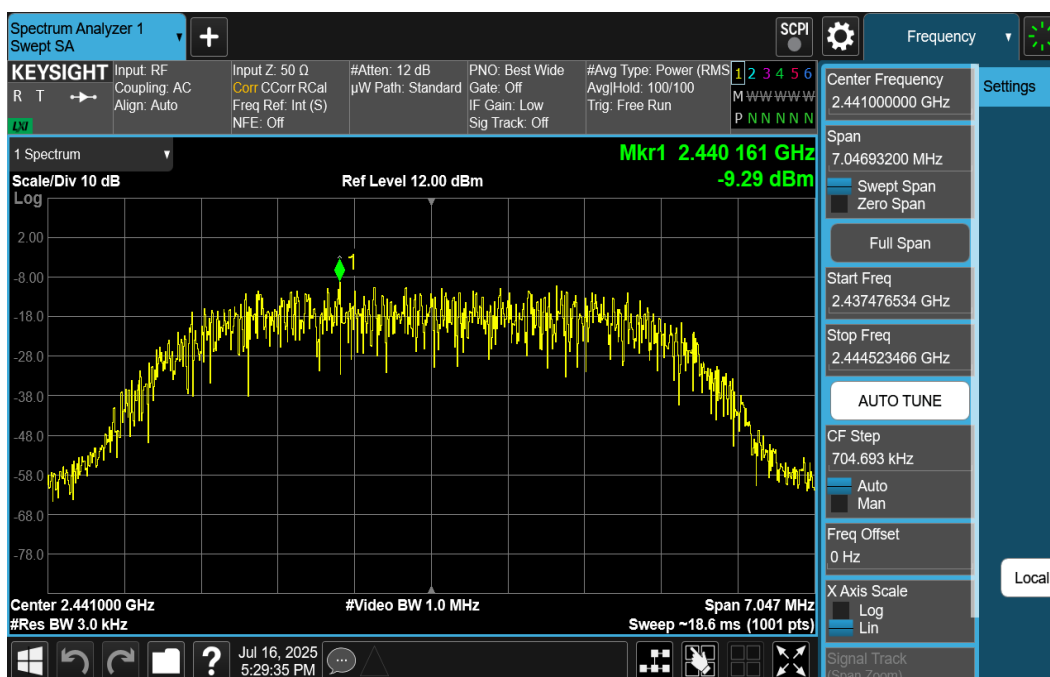
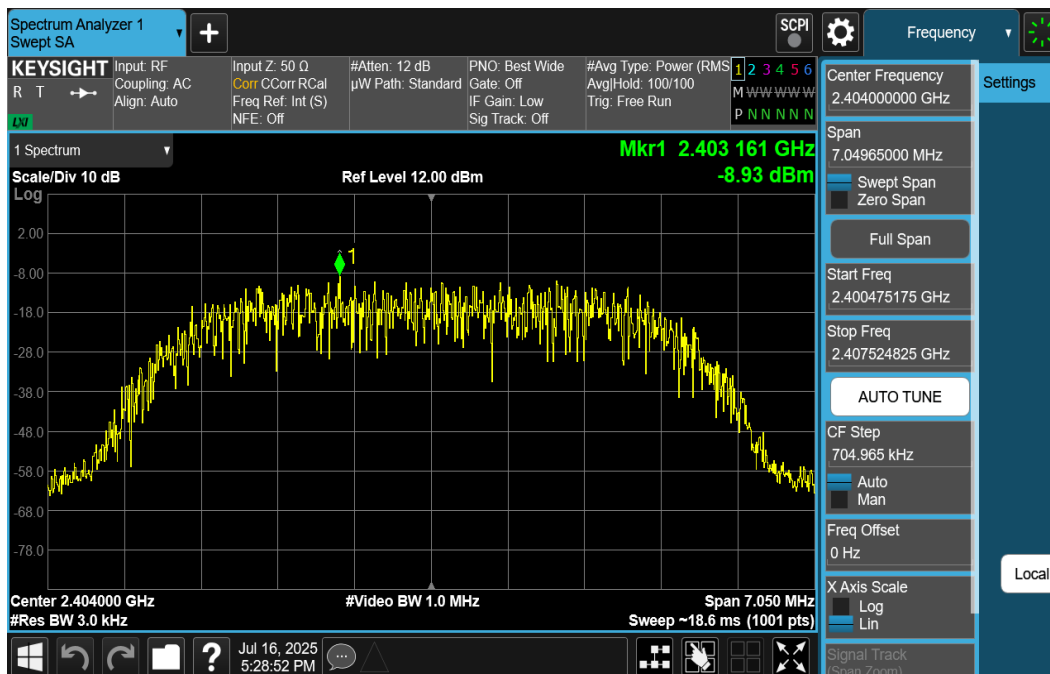
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Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 42 of 105

V 10.6 09/14/2023

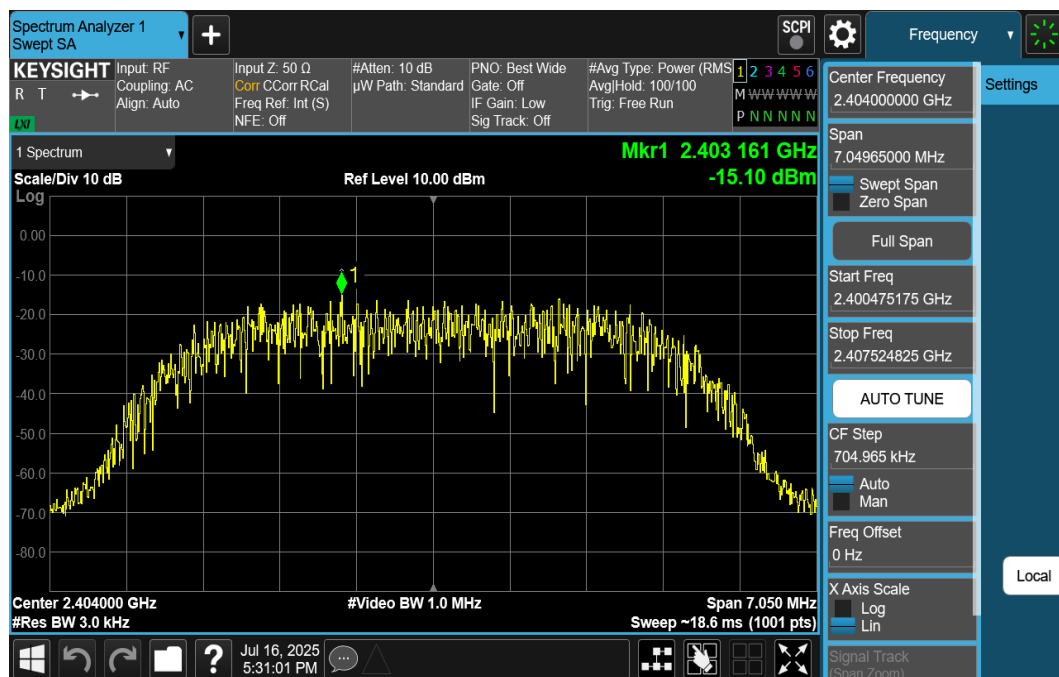
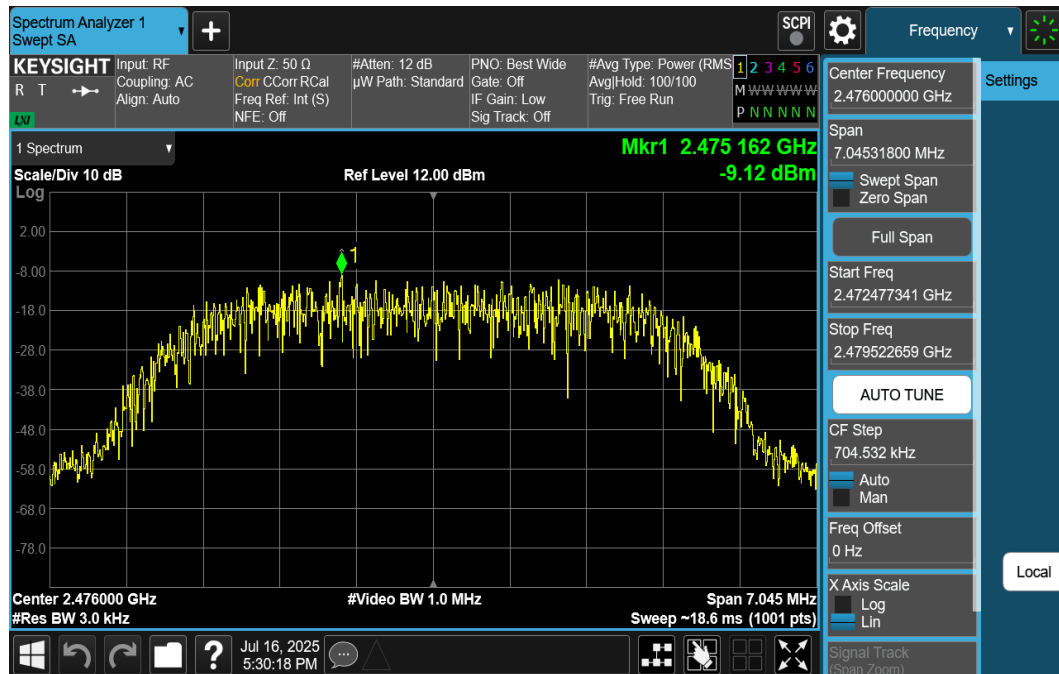
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Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 43 of 105

V 10.6 09/14/2023

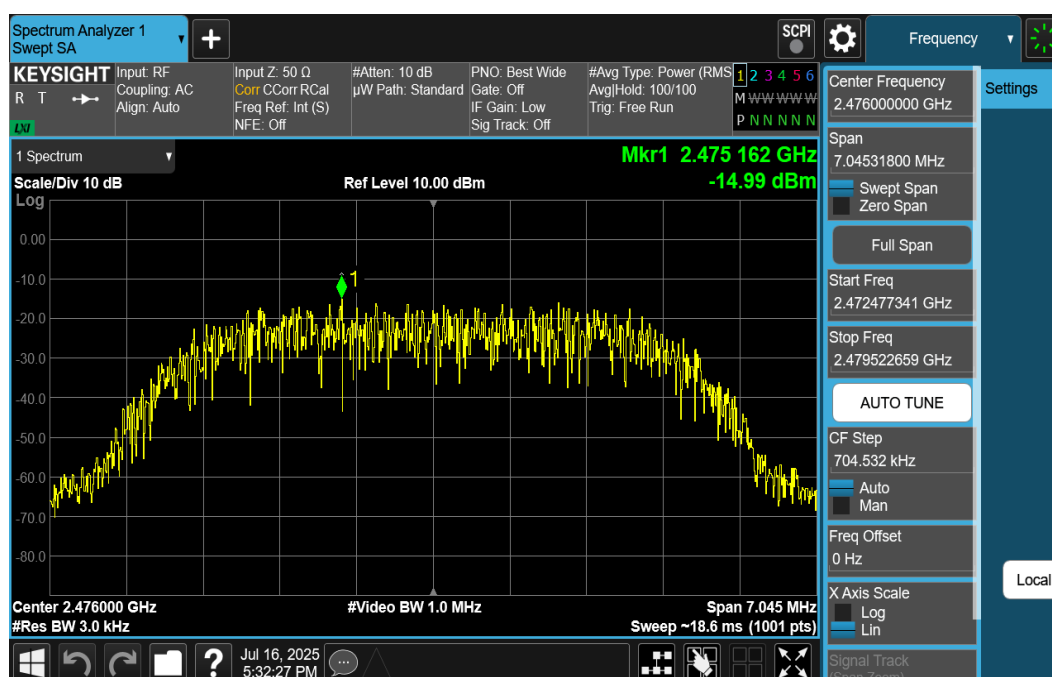
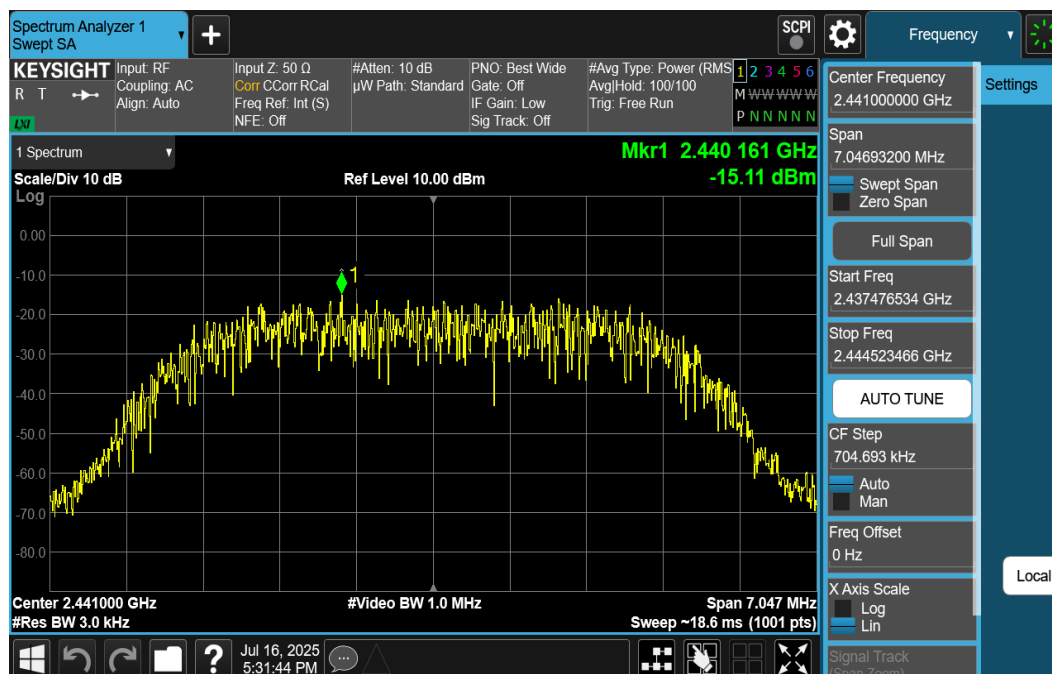
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Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 44 of 105

V 10.6 09/14/2023

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Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 45 of 105

V 10.6 09/14/2023

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NB UNII_L

Frequency [MHz]	Data Rate [Mbps]	Power Scheme	Channel No.	Measured Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]
2404	4.0	iPA	1	-12.68	8.00	-20.68
2441	4.0	iPA	38	-12.55	8.00	-20.55
2476	4.0	iPA	73	-12.21	8.00	-20.21
2404	8.0	iPA	1	-14.48	8.00	-22.48
2441	8.0	iPA	38	-14.36	8.00	-22.36
2476	8.0	iPA	73	-14.36	8.00	-22.36

Table 7-15. Conducted Power Density Measurements NB UNII_L

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Test Report S/N: 1C2505120065-03.BCG	Test Dates: 5/12/2025 - 07/18/2025	EUT Type: Head Mounted Device	Page 46 of 105

V 10.6 09/14/2023

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