



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:

05/12/2025 - 07/19/2025

Test Report Issue Date:

9/10/2025

Test Site/Location:

Element Materials Technology, Morgan Hill, CA, USA

Test Report Serial No.:

1C2504170041-16-R2.BCG

FCC ID:	BCGA3361
IC:	579C-A3361
APPLICANT:	Apple Inc.

Application Type:

Certification

Model/HVIN:

A3361, A3362

EUT Type:

Tablet Device

Max. RF Output Power:

75.858 mW (18.80 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

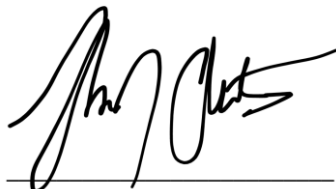
Test Procedure(s):

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.

This revised Test Report (S/N: 1C2504170041-16-R2.BCG) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose accordingly.

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: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 1 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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	8
2.4	Test Support Equipment	8
2.5	Test Configuration	9
2.6	Software and Firmware	10
2.7	EMI Suppression Device(s)/Modifications	10
3.0	DESCRIPTION OF TESTS	11
3.1	Evaluation Procedure	11
3.2	AC Line Conducted Emissions	11
3.3	Radiated Emissions	12
3.4	Environmental Conditions	12
4.0	ANTENNA REQUIREMENTS	13
5.0	MEASUREMENT UNCERTAINTY	14
6.0	TEST EQUIPMENT CALIBRATION DATA	15
7.0	TEST RESULTS	16
7.1	Summary	16
7.2	Bandwidth Measurement	17
7.3	Output Power Measurement	39
7.4	Power Spectral Density	45
7.5	Conducted Authorized Band Edge	122
7.6	Conducted Spurious Emissions	135
7.7	Radiated Spurious Emissions – Above 1GHz	167
7.8	Radiated Spurious Emissions – Below 1GHz	191
7.9	AC Line-Conducted Emissions Measurement	195
8.0	CONCLUSION	199

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 2 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 3 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Tablet Device FCC ID: BCGA3361, IC: 579C-A3361**. 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.: P2194C1YXR, DX6T2YQ1GP, H9HHG4000GA0000SDW, H9HHG4000GS0000SDW

2.2 Device Capabilities

This device contains the following capabilities:

850/1700/1900 WCDMA/HSPA, Multi-band LTE, 5G NR (FR1), 802.11b/g/n/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), 802.15.4, Bluetooth (1x, EDR, LE, HDR, HDT), Narrowband (NB) UNII (5GHz and 6GHz), WPT

This device supports BT Beamforming, channel puncturing and channel bandwidth reduction.

HDR		HDT	
Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
01	2404	01	2404
:	:	:	:
38	2441	37	2440
:	:	:	:
73	2476	73	2476

Table 2-1. Bluetooth HDR Frequency / Channel Operations

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.

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 4 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Group	Mode	Data Rate (Mbps)	Modulation	Bandwidth (MHz)
1	HDR4	4	Pi/4-DQPSK	2
2	HDR8	8	Pi/4-DQPSK	4
3	HDRPS2	2	OQPSK	2
	XHDRPS2	4		
4	HDRPM4	4	OQPSK	4
	HDRPM6	6		
	HDRPM8	8		
	XHDRPM4	4		
	XHDRPM6	6		
	XHDRPM8	8		
5	HDRPM12	12	16QAM	4
	HDRPM16	16		
	XHDRPM12	12		
	XHDRPM16	16		
6	HDT2	2	Pi/4-QPSK	2
	HDT3	3		
7	HDT4	4	8PSK	2
8	HDT6	6	16QAM	2
	HDT8	8		

Table 2-2. Bluetooth HDR/HDT Configuration

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 5 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section 6.0 b) of KDB 558074 D01 v05r02 and ANSI C63.10-2020. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

HDR/HDT Mode		Antenna 4a		Antenna 2a		TxBF	
		Duty Cycle [%]	DCCF [dB]	Duty Cycle [%]	DCCF [dB]	Duty Cycle [%]	DCCF [dB]
HDR4	ePA	77.660	1098	77.553	1104	77.339	1116
	iPA	77.660	1098	77.553	1104	77.339	1116
HDR8	ePA	77.750	1093	77.804	1090	77.750	1093
	iPA	77.750	1093	77.804	1090	77.750	1093
HDRPS2	ePA	92.003	0.362	91770	0.373	92.003	0.362
	iPA	92.003	0.362	91770	0.373	92.003	0.362
XHDRPS2	ePA	98.401	0.070	98.560	0.063	98.311	0.074
	iPA	98.401	0.070	98.560	0.063	98.311	0.074
XHDRPM6	ePA	86.457	0.632	86.080	0.651	86.417	0.634
	iPA	86.457	0.632	86.080	0.651	86.417	0.634
XHDRPM8	ePA	91643	0.379	91960	0.364	92.449	0.341
	iPA	91643	0.379	91960	0.364	92.449	0.341
HDRPM 16	ePA	89.598	0.477	89.784	0.468	88.982	0.507
	iPA	89.598	0.477	89.784	0.468	88.982	0.507
XHDRPM 16	ePA	87.519	0.579	87.317	0.589	87.317	0.589
	iPA	87.519	0.579	87.317	0.589	87.317	0.589
HDT2	ePA	96.427	0.158	96.316	0.163	96.316	0.163
	iPA	96.427	0.158	96.316	0.163	96.316	0.163
HDT6	ePA	90.511	0.433	90.490	0.434	90.240	0.446
	iPA	90.511	0.433	90.490	0.434	90.240	0.446
HDT8	ePA	89.207	0.496	89.084	0.502	88.777	0.517
	iPA	89.207	0.496	89.084	0.502	88.777	0.517

Table 2-3. Measured Duty Cycles

FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 6 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



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

Antenna	Simultaneous Tx Config	Bluetooth 2.4GHz	Thread	WLAN	NB UNII	WIFI 5GHz	WIFI 6GHz	LTE / FR1 NR		
		BDR, EDR, LE HDR, HDT	802.15.4	802.11 b/g/n/ax/be	BDR, EDR, LE HDR, HDT	802.11 a/n/ac/ax/be	802.11 a/ax/be	LB	MB/HB	UHB
Ant 4a	Config 1	✓	✗	✗	✗	✓	✗	✗	✗	✗
Ant 4a	Config 2	✓	✗	✗	✗	✗	✓	✗	✗	✗
Ant 4a	Config 3	✗	✓	✗	✗	✓	✗	✗	✗	✗
Ant 4a	Config 4	✗	✓	✗	✗	✗	✓	✗	✗	✗
Ant 4a	Config 5	✗	✗	✓	✓	✗	✗	✗	✗	✗
Ant 4a	Config 6	✗	✗	✓	✗	✓	✗	✗	✗	✗
Ant 4a	Config 7	✗	✗	✓	✗	✗	✓	✗	✗	✗
Ant 2a	Config 8	✓	✗	✗	✗	✓	✗	✗	✗	✗
Ant 2a	Config 9	✓	✗	✗	✗	✗	✓	✗	✗	✗
Ant 2a	Config 10	✗	✓	✗	✗	✓	✗	✗	✗	✗
Ant 2a	Config 11	✗	✓	✗	✗	✗	✓	✗	✗	✗
Ant 2a	Config 12	✗	✗	✓	✓	✗	✗	✗	✗	✗
Ant 2a	Config 13	✗	✗	✓	✗	✓	✗	✗	✗	✗
Ant 2a	Config 14	✗	✗	✓	✗	✗	✓	✗	✗	✗

Table 2-4. 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 1 and reported in RF Bluetooth and RF UNII 5GHz OFDM test reports.

FCC ID: BCGA3361 IC: 579C-A3361	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 7 of 199

2.3 Antenna Description

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

Frequency [GHz]	Antenna Gain (dBi)	
	Antenna 4a	Antenna 2a
2.4	2.4	1.9

Table 2-5. Highest Antenna Gain

2.4 Test Support Equipment

1	Apple MacBook Pro w/AC/DC Adapter	Model: A2141 Model: A2166	S/N: C02H604EQ05D S/N: C4H042705ZNPMOWA6
2	Apple USB-C Cable	Model: Spartan	S/N: GXK1336018XKTR024
3	USB-C Cable w/ AC Adapter	Model: A2795 Model: A2305	S/N: DWH80115BK826GV19 S/N: C4H95160004PF4F4V
4	Apple Pencil	Model: A2538	S/N: KJ26TCFXJW
5	DC Power Supply	Model: KPS3010D	S/N: N/A

Table 2-6. Test Support Equipment List

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 8 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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 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.

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 via USB-C cable with wire charger
- EUT powered by host PC via USB-C cable with wire charger

HDR modes have been categorized into multiple groups (see Table 2-2), with each group evaluated and only the worst-case rate per group was reported.

For conducted emissions, the following are the worst case HDR modes for testing:

1. HDR4
2. HDR8
3. HDRPS2
4. XHDRPM6
5. HDRPM16
6. HDT2

For radiated band edge, the following are the worst case HDR modes for testing:

1. HDR4
2. HDR8
3. XHDRPS2
4. XHDRPM8
5. XHDRPM16
6. HDT8

For radiated spurious emission, the following are the worst case HDR modes for testing:

1. HDR4

FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 9 of 199

2.6 Software and Firmware

The test was conducted with firmware version 23A256 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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 10 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 11 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 12 of 199

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 13 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 14 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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	ML2496A	Power Meter	2/10/2025	Annual	2/10/2026	1306009
Anritsu	MA2411B	Pulse Power Sensor	2/10/2025	Annual	2/10/2026	1315051
Anritsu	MA2411B	Pulse Power Sensor	2/10/2025	Annual	2/10/2026	1339027
ATM	180-442-KF	20dB Nominal Gain Horn Antenna	3/24/2025	Annual	3/24/2026	T058601-02
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	9/25/2024	Annual	9/25/2025	00240109
Fairview Microwave/MCL	FMCA1975-36/BW-K10-2W44+	30MHz-40GHz RF Cable/Attenuator *	6/10/2025	Annual	6/10/2026	-
Keysight Technology	N9040B	UXA Signal Analyzer	9/5/2024	Annual	9/5/2025	MY61320121
Keysight Technology	N9030A	PXA Signal Analyzer	10/16/2024	Annual	10/16/2025	MY49430494
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	8/14/2024	Annual	8/14/2025	101648
Rohde & Schwarz	FSW43	Spectrum Analyzer 2Hz to 43GHz	11/21/2024	Annual	11/21/2025	104093
Rohde & Schwarz	ESW44	EMI Test Receiver	10/17/2024	Annual	10/17/2025	101668
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	9/20/2024	Annual	9/20/2025	102327
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	6/3/2025	Annual	6/3/2026	100052
Rohde & Schwarz	HFH2-Z2	Loop Antenna	5/12/2025	Annual	5/12/2026	100546
Rohde & Schwarz	ENV216	Two-Line V-Network	4/24/2025	Annual	4/24/2026	101364
Schwarzbeck	VULB 9162	Bilog Antenna (30MHz - 6GHz)	9/18/2024	Annual	9/18/2025	00358

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 15 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCGA3361
 IC: 579C-A3361
 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:

- All modes of operation were investigated. The test results shown in the following sections represent the worst case emissions.
- 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.
- 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.
- 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.
- 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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 16 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 17 of 199

V 11.0 05/2025

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: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 18 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.2.1 Antenna 4a

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	2.35	1.76	0.50	Pass
2441	HDR4	ePA	38	2.35	1.58	0.50	Pass
2476	HDR4	ePA	73	2.35	1.58	0.50	Pass
2404	HDR8	ePA	1	4.63	0.57	0.50	Pass
2441	HDR8	ePA	38	4.65	0.57	0.50	Pass
2476	HDR8	ePA	73	4.64	0.56	0.50	Pass
2404	HDRPS2	ePA	1	2.38	2.09	0.50	Pass
2441	HDRPS2	ePA	38	2.38	2.09	0.50	Pass
2476	HDRPS2	ePA	73	2.37	2.08	0.50	Pass
2404	XHDRPM6	ePA	1	4.71	4.06	0.50	Pass
2441	XHDRPM6	ePA	38	4.71	4.07	0.50	Pass
2476	XHDRPM6	ePA	73	4.71	4.06	0.50	Pass
2404	HDRPM16	ePA	1	4.68	2.70	0.50	Pass
2441	HDRPM16	ePA	38	4.69	2.69	0.50	Pass
2476	HDRPM16	ePA	73	4.69	4.05	0.50	Pass
2404	HDT2	ePA	1	2.39	2.08	0.50	Pass
2440	HDT2	ePA	37	2.39	2.08	0.50	Pass
2476	HDT2	ePA	73	2.39	2.08	0.50	Pass

Table 7-2. 6dB BW & 99% OBW Measurements Antenna 4a

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 19 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-1. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)

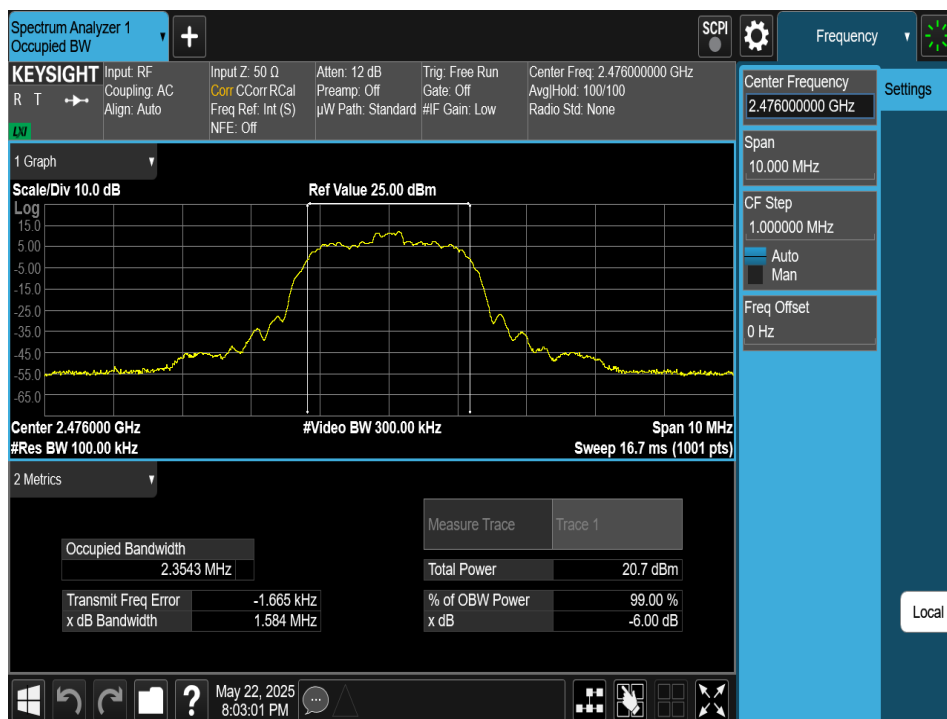


Plot 7-2. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

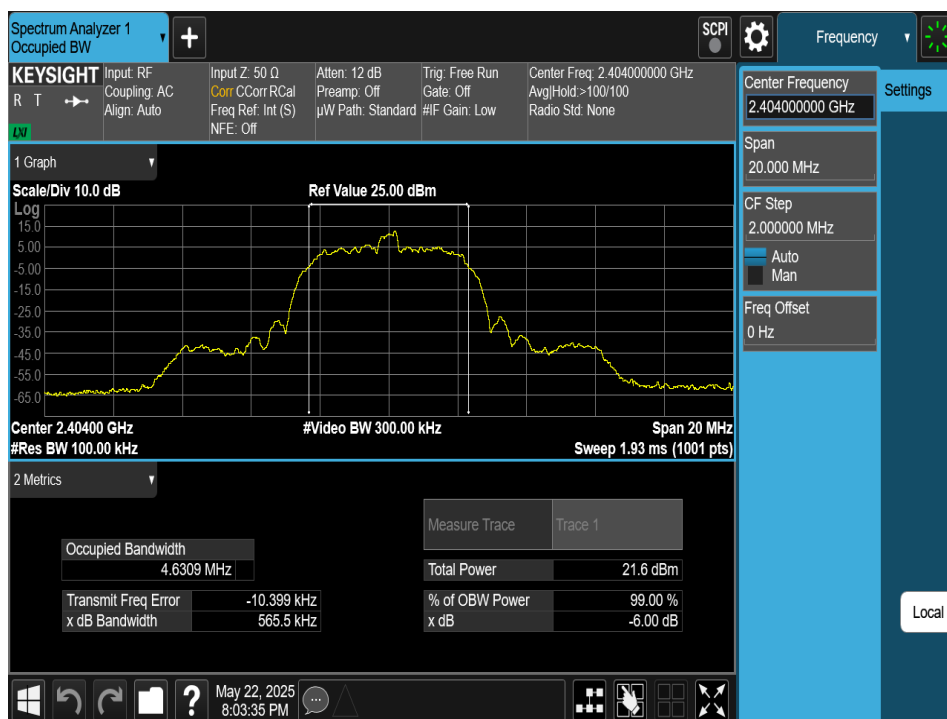
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 20 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



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



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

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 21 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-5. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)



Plot 7-6. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 22 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-7. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 1)

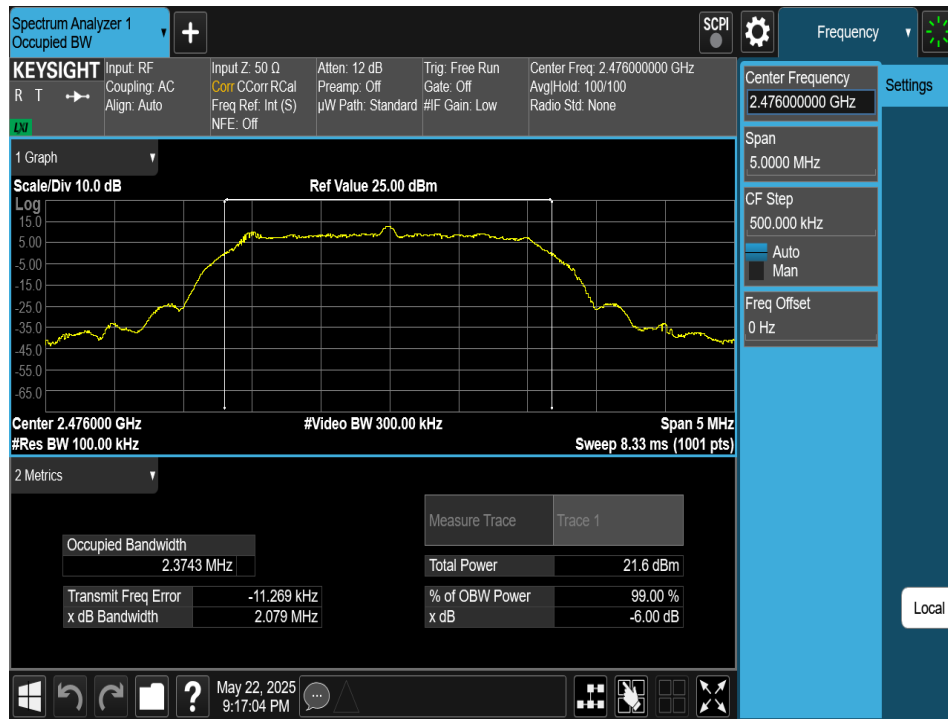


Plot 7-8. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 38)

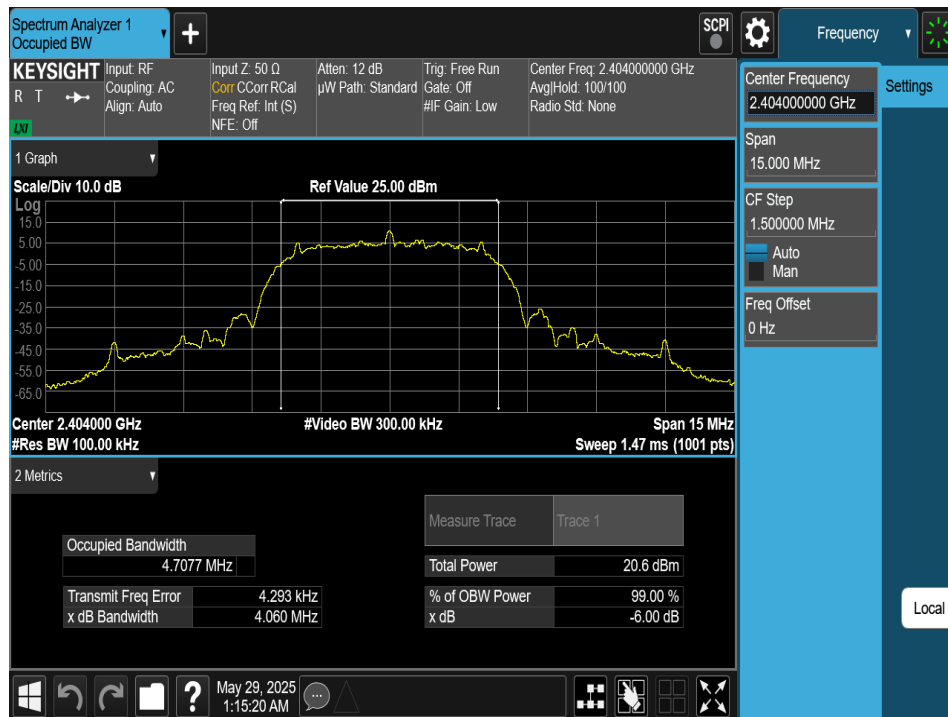
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 23 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-9. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

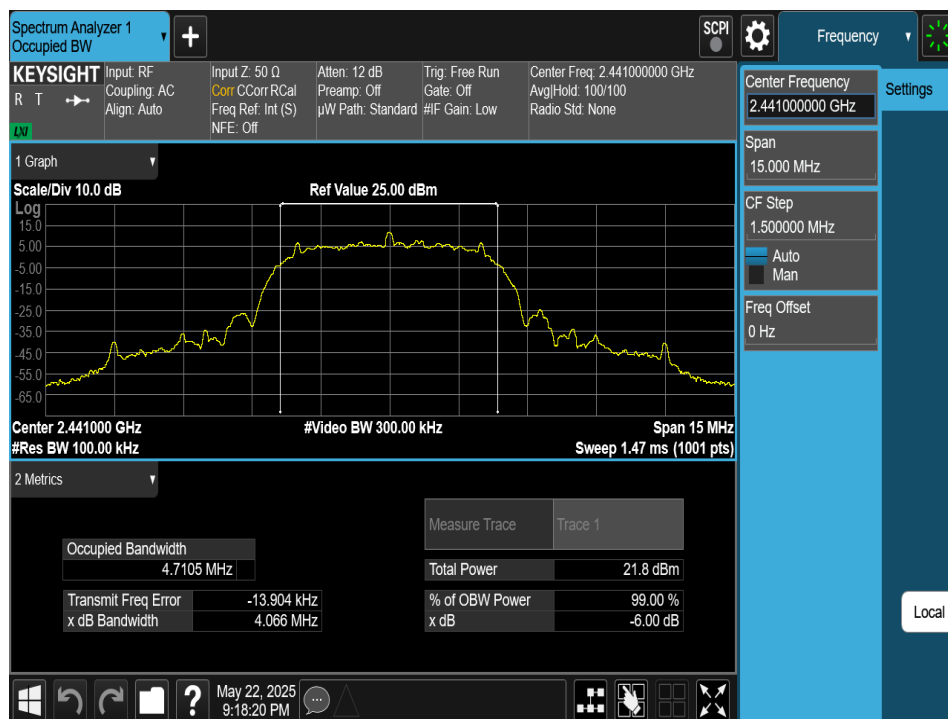


Plot 7-10. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

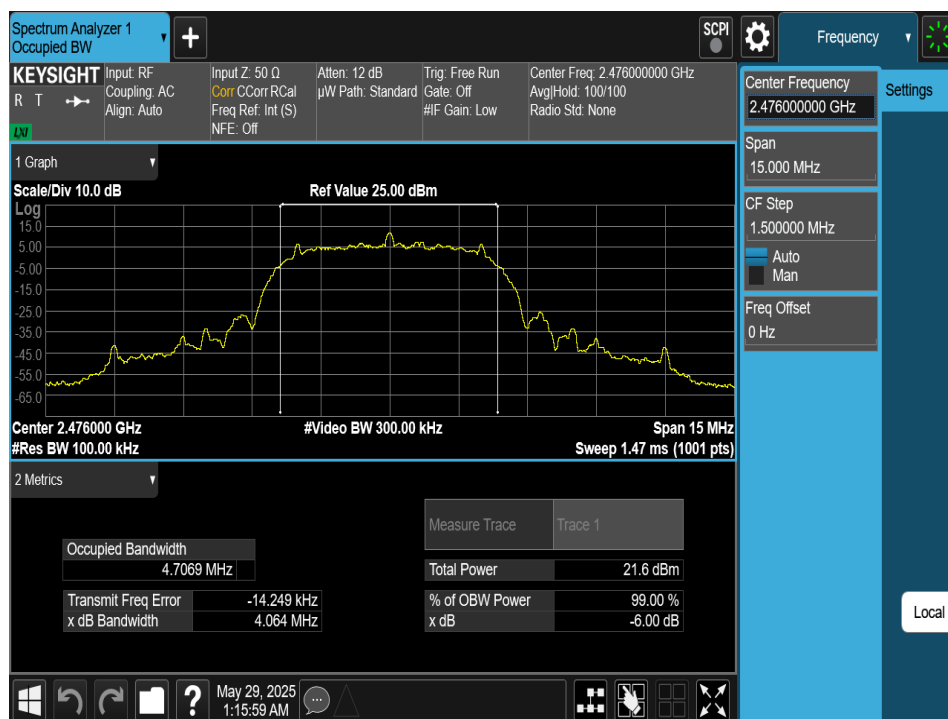
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 24 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-11. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

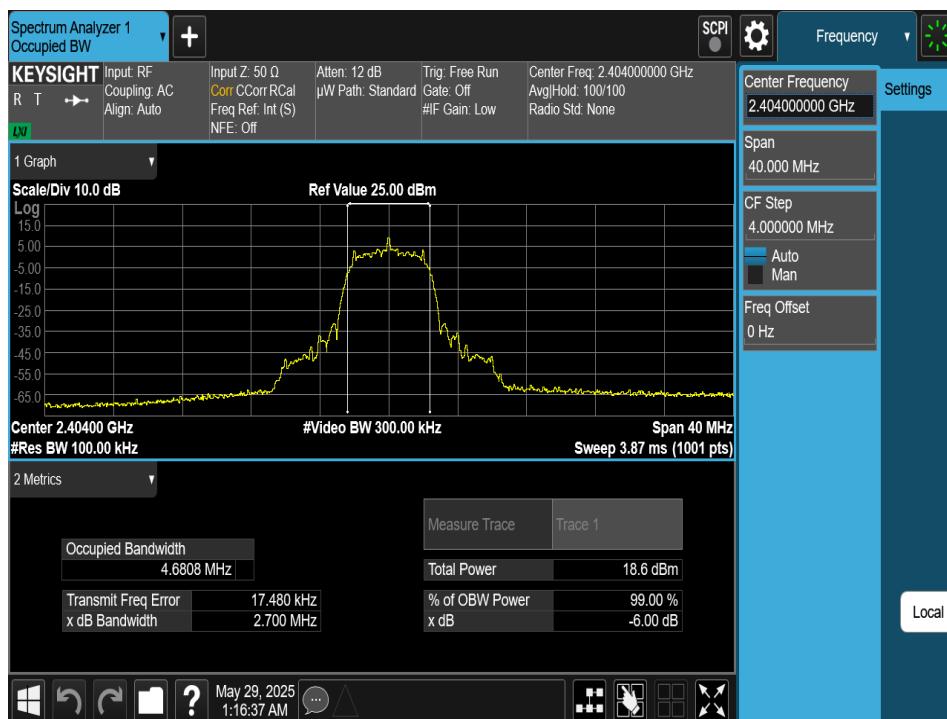


Plot 7-12. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

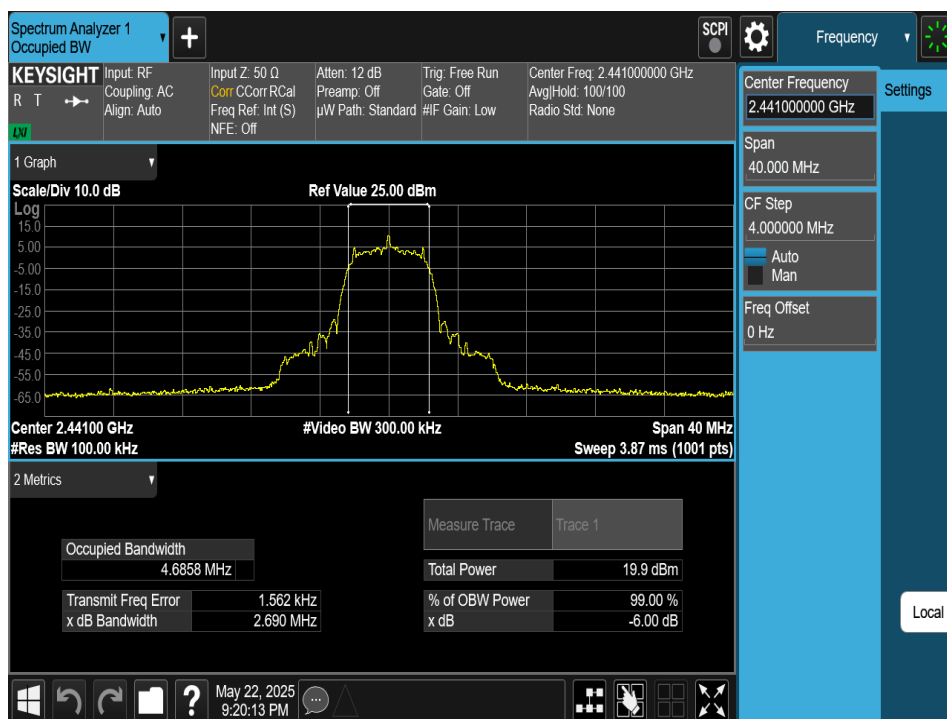
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 25 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-13. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 1)

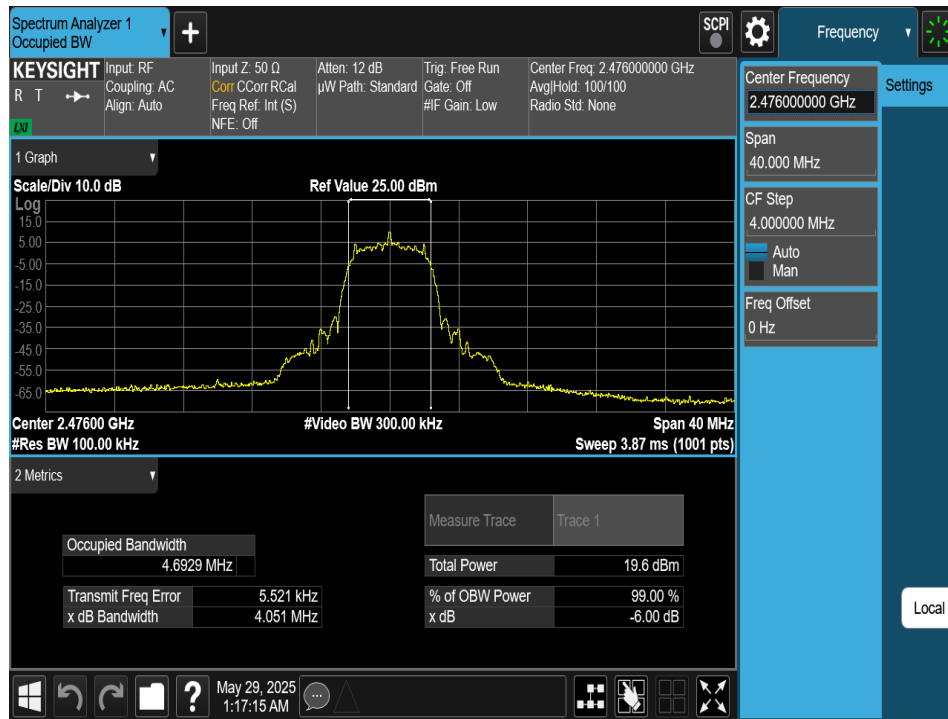


Plot 7-14. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

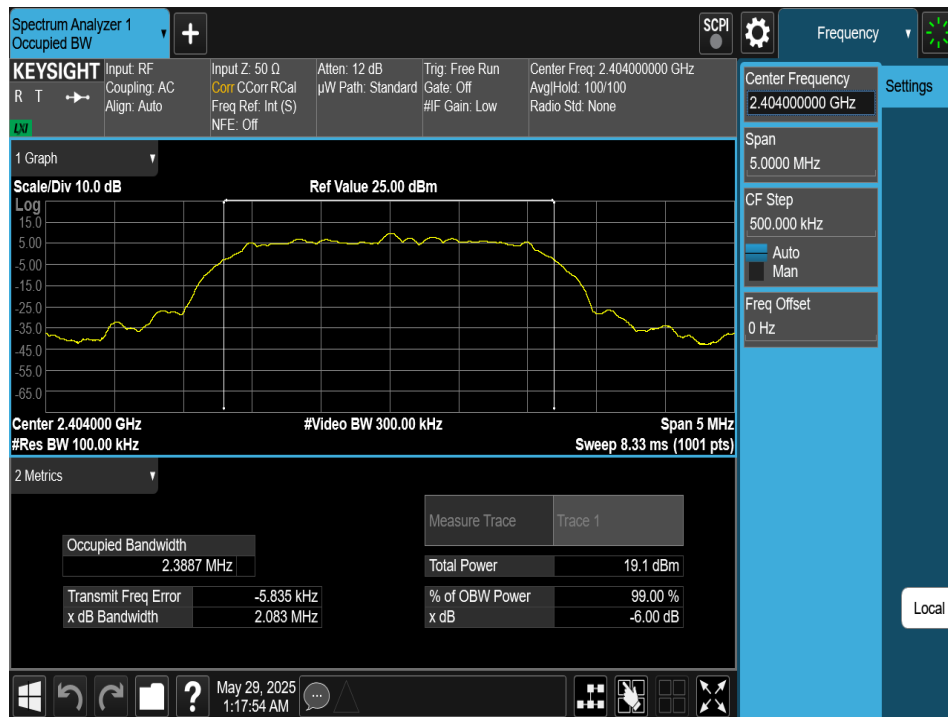
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 26 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-15. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

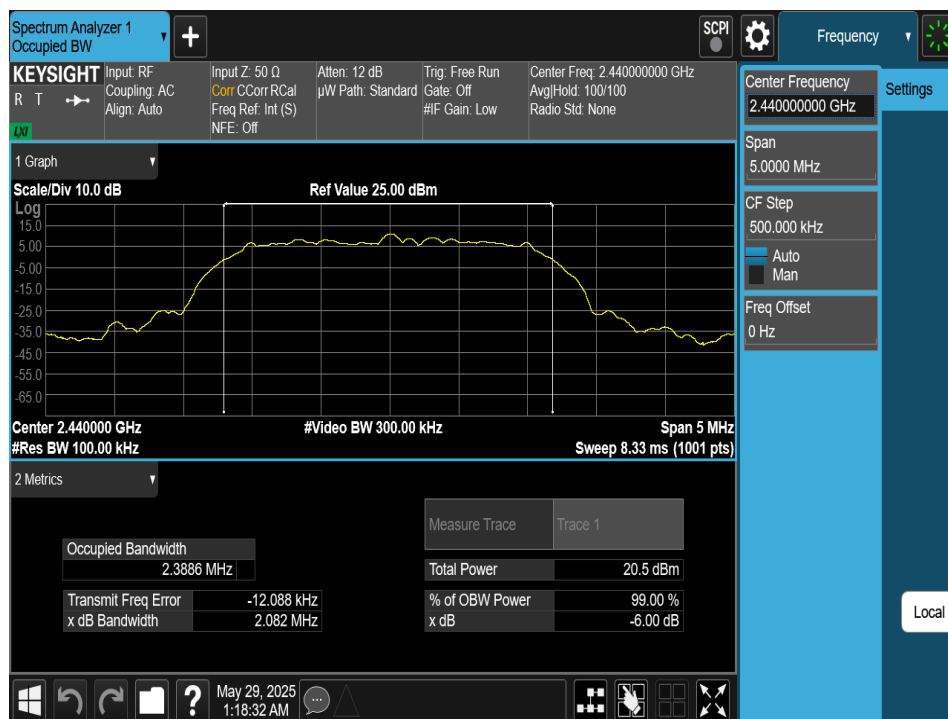


Plot 7-16. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)

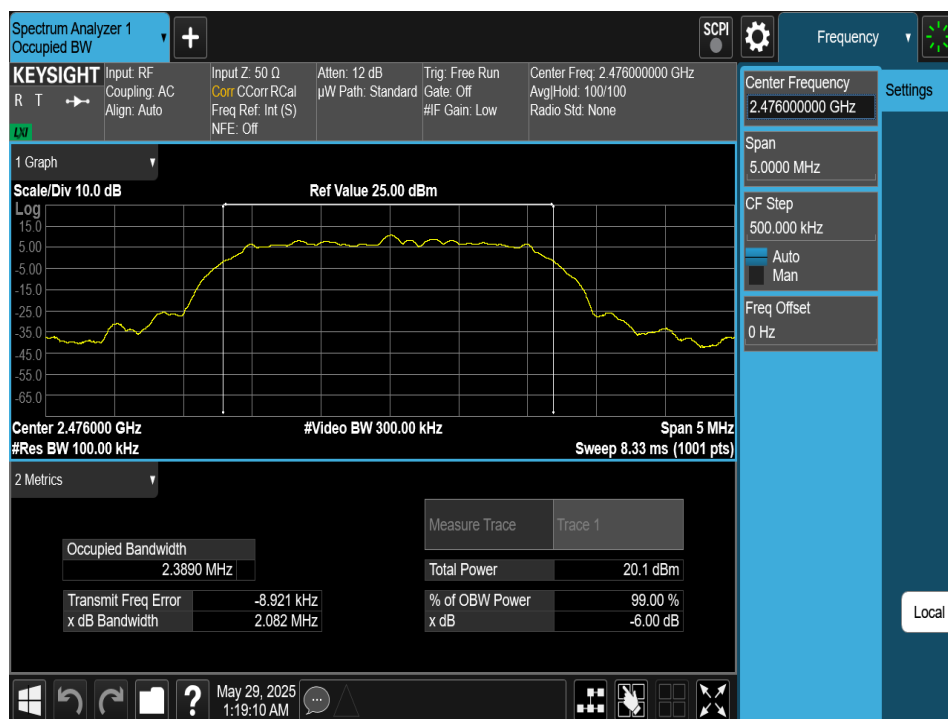
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 27 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-17. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)



Plot 7-18. 6dB BW & 99% OBW Plot Antenna 4a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 28 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.2.2 Antenna 2a

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	2.35	1.76	0.50	Pass
2441	HDR4	ePA	38	2.35	1.67	0.50	Pass
2476	HDR4	ePA	73	2.35	1.58	0.50	Pass
2404	HDR8	ePA	1	4.64	0.56	0.50	Pass
2441	HDR8	ePA	38	4.64	0.56	0.50	Pass
2476	HDR8	ePA	73	4.64	0.57	0.50	Pass
2404	HDRPS2	ePA	1	2.38	2.09	0.50	Pass
2441	HDRPS2	ePA	38	2.38	2.09	0.50	Pass
2476	HDRPS2	ePA	73	2.38	2.09	0.50	Pass
2404	XHDRPM6	ePA	1	4.72	4.06	0.50	Pass
2441	XHDRPM6	ePA	38	4.71	4.06	0.50	Pass
2476	XHDRPM6	ePA	73	4.72	4.07	0.50	Pass
2404	HDRPM16	ePA	1	4.68	2.70	0.50	Pass
2441	HDRPM16	ePA	38	4.69	2.69	0.50	Pass
2476	HDRPM16	ePA	73	4.70	4.03	0.50	Pass
2404	HDT2	ePA	1	2.39	2.08	0.50	Pass
2440	HDT2	ePA	37	2.39	2.08	0.50	Pass
2476	HDT2	ePA	73	2.39	2.08	0.50	Pass

Table 7-3. 6dB BW & 99% OBW Measurements Antenna 2a

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 29 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-19. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)

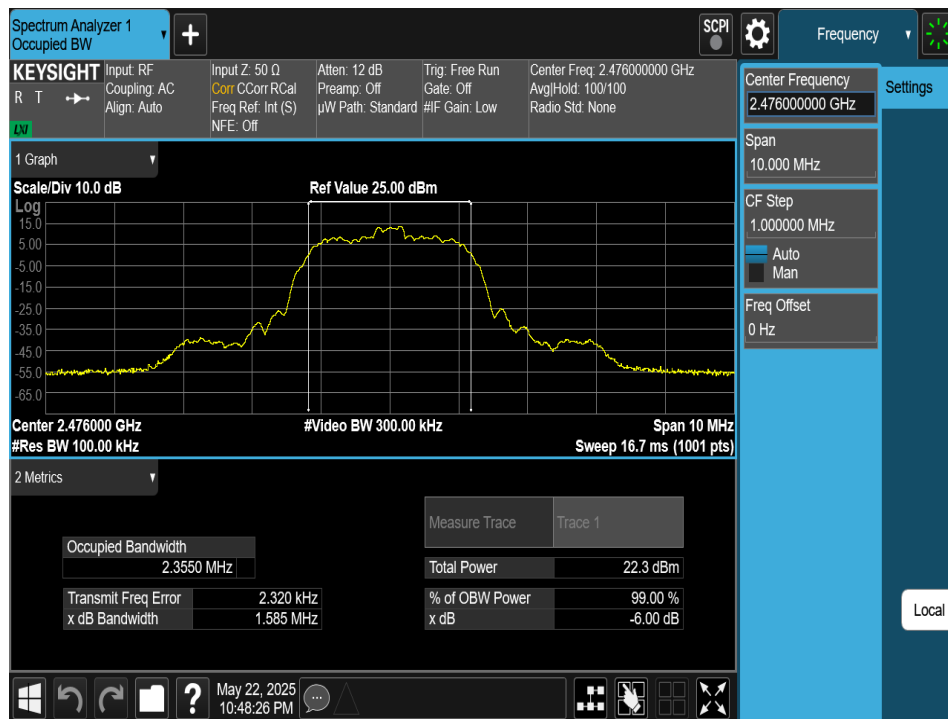


Plot 7-20. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

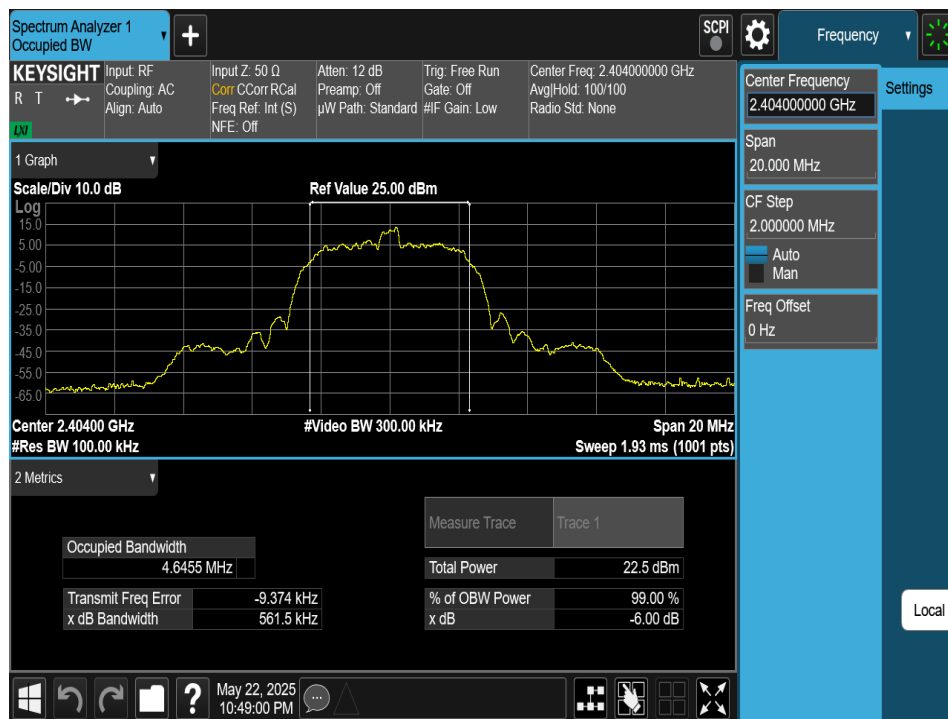
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 30 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-21. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

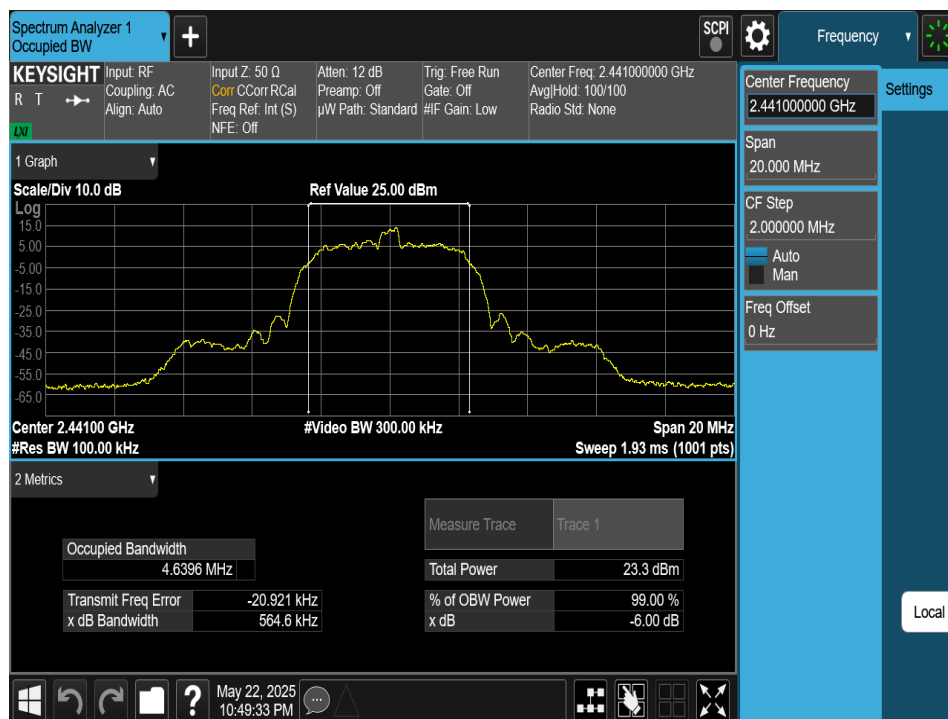


Plot 7-22. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 1)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 31 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



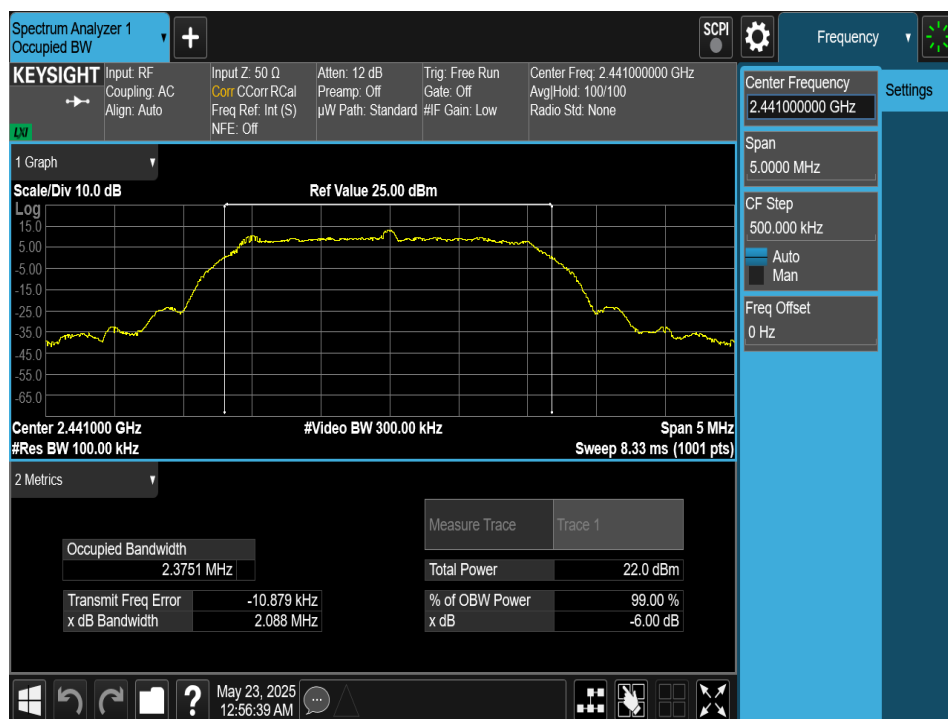
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 32 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-25. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 1)

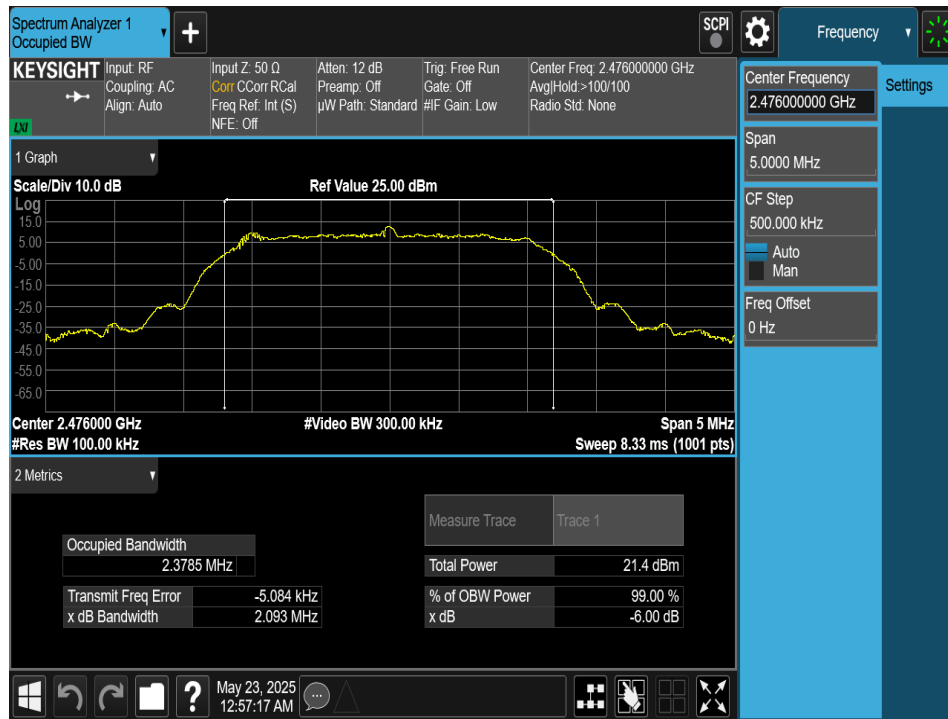


Plot 7-26. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 38)

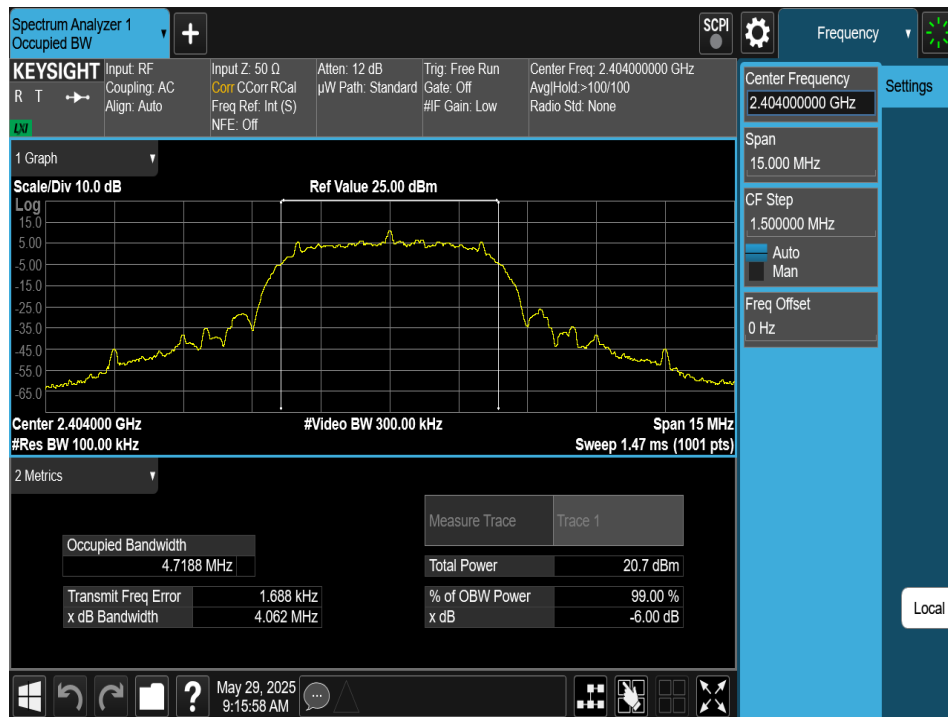
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 33 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-27. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

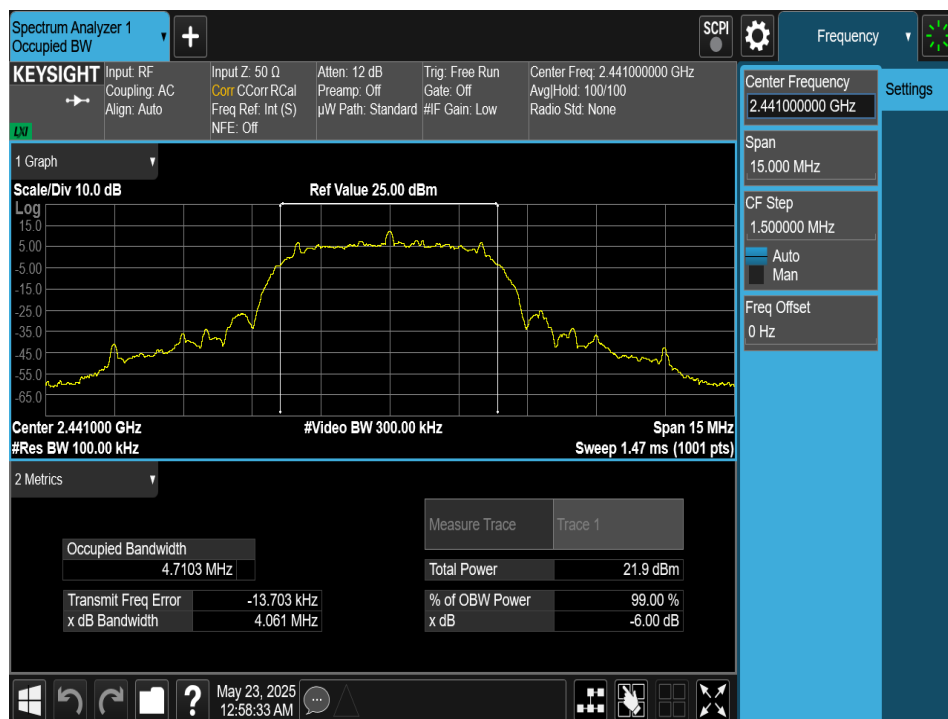


Plot 7-28. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

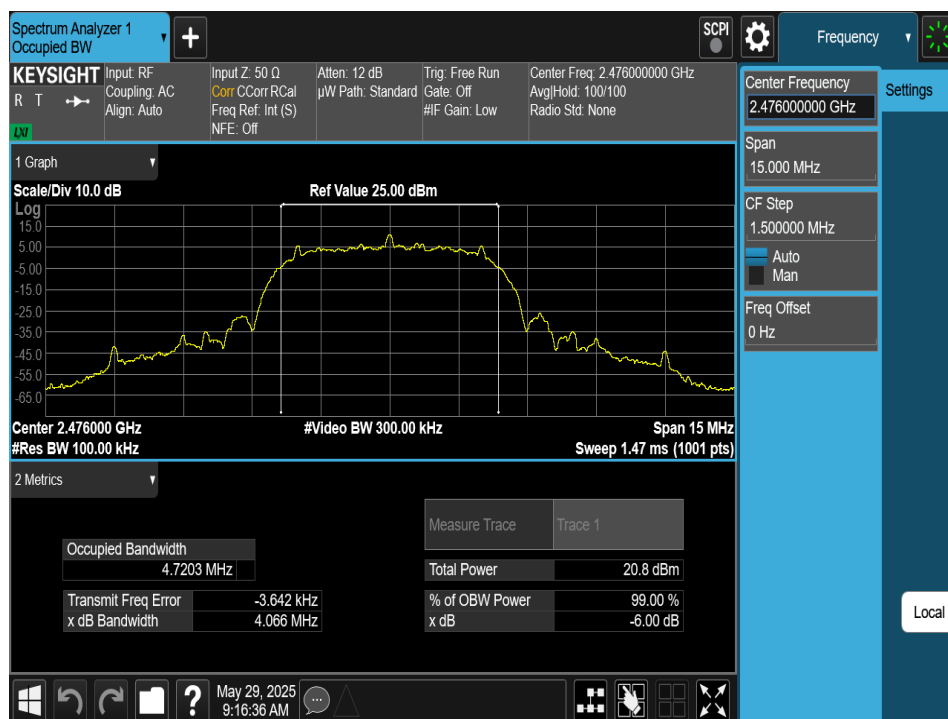
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 34 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-29. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

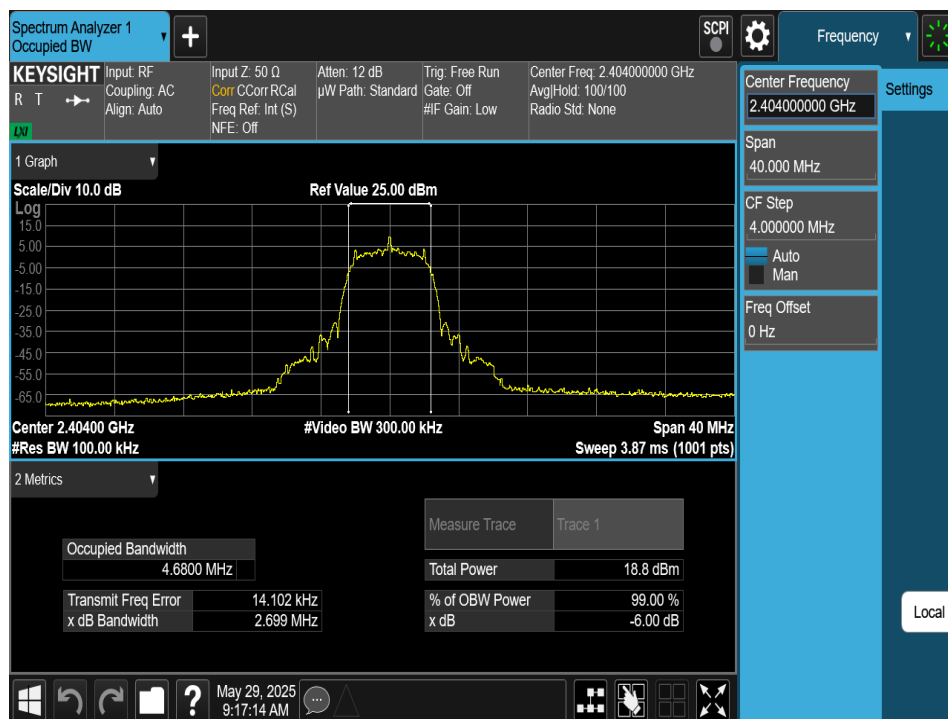


Plot 7-30. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

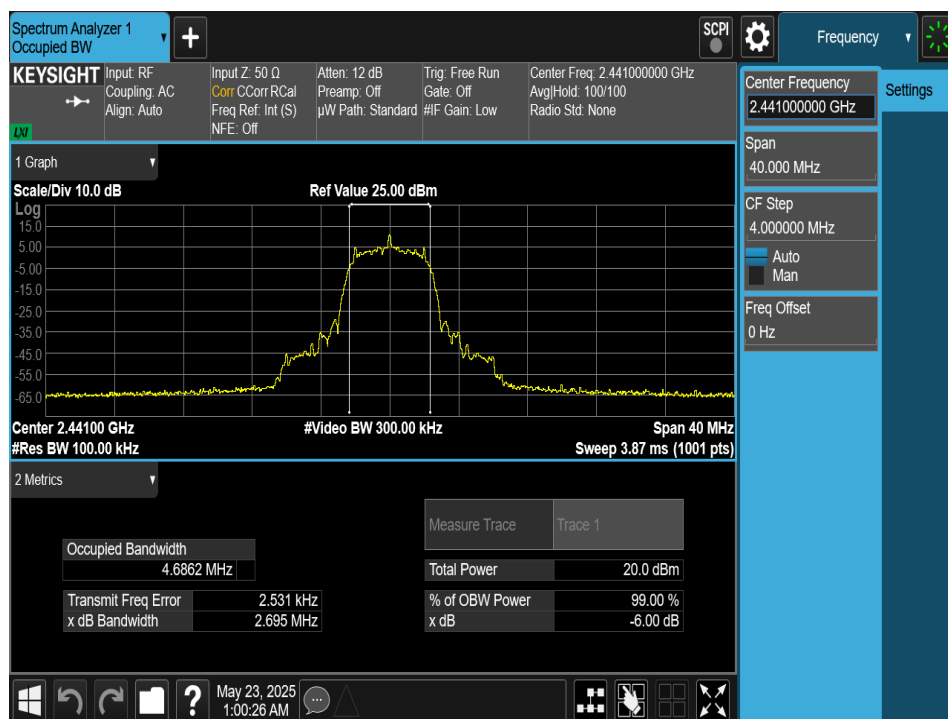
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 35 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-31. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 1)

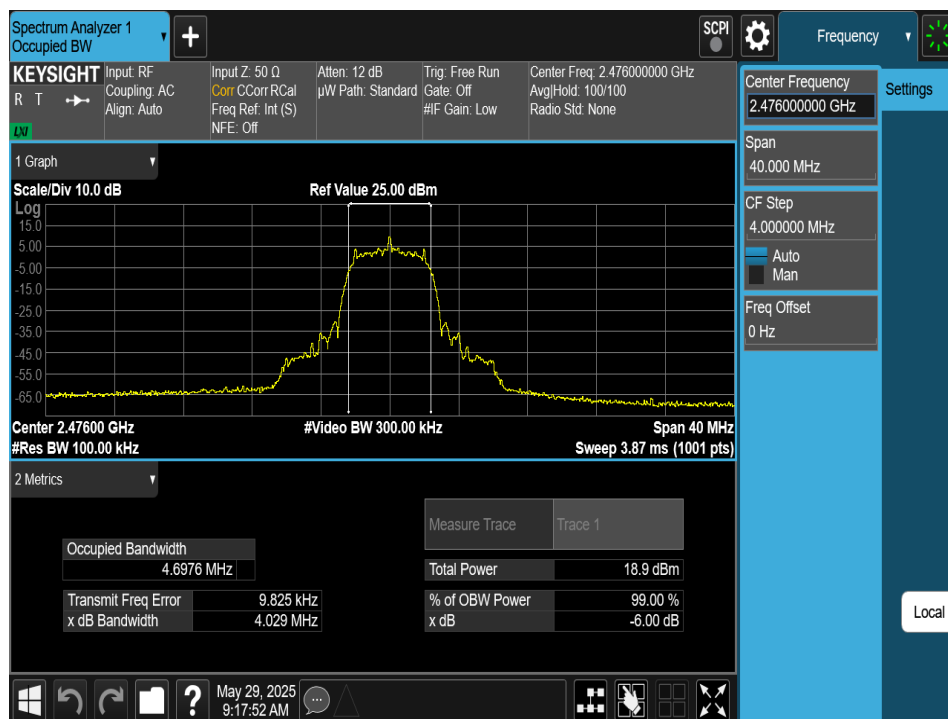


Plot 7-32. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 38)

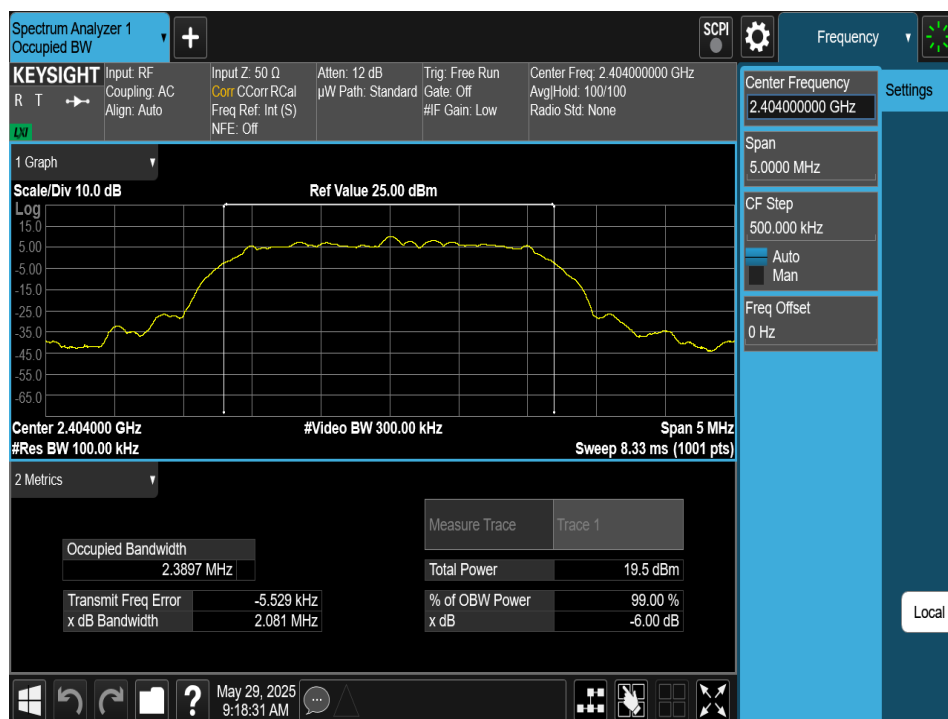
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 36 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-33. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDRPM16), 16Mbps, ePA – Ch. 73)

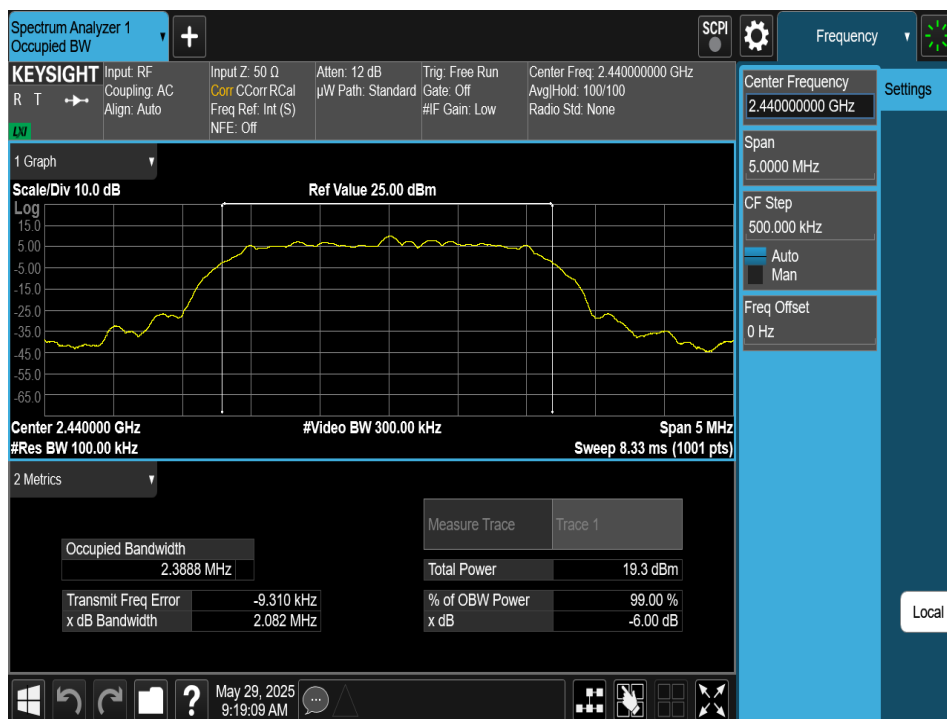


Plot 7-34. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 1)

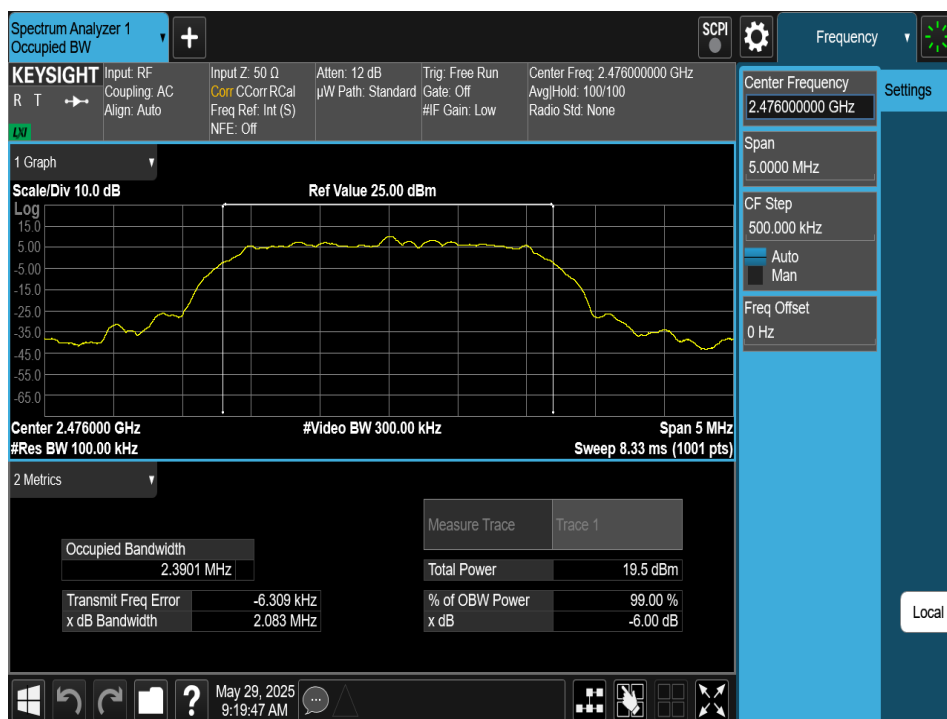
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 37 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-35. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 37)



Plot 7-36. 6dB BW & 99% OBW Plot Antenna 2a (Bluetooth (HDT2), 2Mbps, ePA – Ch. 73)

FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 38 of 199

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 DTSs 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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 39 of 199

7.3.1 Peak Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Mode	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	HDR4	ePA	1	15.19	33.067	30.00	-14.81	2.40	17.59	36.02	-18.43
2441	HDR4	ePA	38	14.50	28.177	30.00	-15.50	2.40	16.90	36.02	-19.12
2476	HDR4	ePA	73	14.54	28.445	30.00	-15.46	2.40	16.94	36.02	-19.08
2404	HDR4	iPA	1	8.21	6.622	30.00	-21.79	2.40	10.61	36.02	-25.41
2441	HDR4	iPA	38	8.31	6.778	30.00	-21.69	2.40	10.71	36.02	-25.31
2476	HDR4	iPA	73	7.58	5.731	30.00	-22.42	2.40	9.98	36.02	-26.04
2404	HDR8	ePA	1	15.16	32.832	30.00	-14.84	2.40	17.56	36.02	-18.46
2441	HDR8	ePA	38	14.96	31.304	30.00	-15.04	2.40	17.36	36.02	-18.66
2476	HDR8	ePA	73	15.01	31.725	30.00	-14.99	2.40	17.41	36.02	-18.61
2404	HDR8	iPA	1	7.16	5.196	30.00	-22.84	2.40	9.56	36.02	-26.46
2441	HDR8	iPA	38	7.75	5.958	30.00	-22.25	2.40	10.15	36.02	-25.87
2476	HDR8	iPA	73	8.00	6.307	30.00	-22.00	2.40	10.40	36.02	-25.62
2404	HDRPS2	ePA	1	15.10	32.359	30.00	-14.90	2.40	17.50	36.02	-18.52
2441	HDRPS2	ePA	38	15.58	36.141	30.00	-14.42	2.40	17.98	36.02	-18.04
2476	HDRPS2	ePA	73	15.31	33.963	30.00	-14.69	2.40	17.71	36.02	-18.31
2404	HDRPS2	iPA	1	7.98	6.281	30.00	-22.02	2.40	10.38	36.02	-25.64
2441	HDRPS2	iPA	38	8.04	6.368	30.00	-21.96	2.40	10.44	36.02	-25.58
2476	HDRPS2	iPA	73	9.31	8.531	30.00	-20.69	2.40	11.71	36.02	-24.31
2404	XHDRPM6	ePA	1	15.56	35.975	30.00	-14.44	2.40	17.96	36.02	-18.06
2441	XHDRPM6	ePA	38	15.54	35.810	30.00	-14.46	2.40	17.94	36.02	-18.08
2476	XHDRPM6	ePA	73	15.31	33.963	30.00	-14.69	2.40	17.71	36.02	-18.31
2404	XHDRPM6	iPA	1	7.90	6.166	30.00	-22.10	2.40	10.30	36.02	-25.72
2441	XHDRPM6	iPA	38	8.01	6.324	30.00	-21.99	2.40	10.41	36.02	-25.61
2476	XHDRPM6	iPA	73	9.29	8.492	30.00	-20.71	2.40	11.69	36.02	-24.33
2404	HDRPM16	ePA	1	15.39	34.594	30.00	-14.61	2.40	17.79	36.02	-18.23
2441	HDRPM16	ePA	38	15.30	33.884	30.00	-14.70	2.40	17.70	36.02	-18.32
2476	HDRPM16	ePA	73	14.95	31.261	30.00	-15.05	2.40	17.35	36.02	-18.67
2404	HDRPM16	iPA	1	6.93	4.932	30.00	-23.07	2.40	9.33	36.02	-26.69
2441	HDRPM16	iPA	38	6.92	4.920	30.00	-23.08	2.40	9.32	36.02	-26.70
2476	HDRPM16	iPA	73	7.75	5.957	30.00	-22.25	2.40	10.15	36.02	-25.87
2404	HDT2	ePA	1	15.31	33.963	30.00	-14.69	2.40	17.71	36.02	-18.31
2440	HDT2	ePA	37	15.27	33.651	30.00	-14.73	2.40	17.67	36.02	-18.35
2476	HDT2	ePA	73	14.96	31.333	30.00	-15.04	2.40	17.36	36.02	-18.66
2404	HDT2	iPA	1	7.74	5.943	30.00	-22.26	2.40	10.14	36.02	-25.88
2440	HDT2	iPA	37	8.21	6.622	30.00	-21.79	2.40	10.61	36.02	-25.41
2476	HDT2	iPA	73	8.87	7.709	30.00	-21.13	2.40	11.27	36.02	-24.75

Table 7-4. Peak Conducted Output Power Measurements Antenna 4a (Bluetooth HDR)

FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 40 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Frequency [MHz]	Mode	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	HDR4	ePA	1	15.00	31.615	30.00	-15.00	1.90	16.90	36.02	-19.12
2441	HDR4	ePA	38	15.39	34.586	30.00	-14.61	1.90	17.29	36.02	-18.73
2476	HDR4	ePA	73	15.45	35.059	30.00	-14.55	1.90	17.35	36.02	-18.67
2404	HDR4	iPA	1	6.90	4.901	30.00	-23.10	1.90	8.80	36.02	-27.22
2441	HDR4	iPA	38	7.14	5.172	30.00	-22.86	1.90	9.04	36.02	-26.98
2476	HDR4	iPA	73	6.91	4.910	30.00	-23.09	1.90	8.81	36.02	-27.21
2404	HDR8	ePA	1	15.45	35.108	30.00	-14.55	1.90	17.35	36.02	-18.67
2441	HDR8	ePA	38	15.31	33.978	30.00	-14.69	1.90	17.21	36.02	-18.81
2476	HDR8	ePA	73	15.46	35.164	30.00	-14.54	1.90	17.36	36.02	-18.66
2404	HDR8	iPA	1	6.80	4.790	30.00	-23.20	1.90	8.70	36.02	-27.32
2441	HDR8	iPA	38	6.46	4.427	30.00	-23.54	1.90	8.36	36.02	-27.66
2476	HDR8	iPA	73	6.41	4.371	30.00	-23.59	1.90	8.31	36.02	-27.71
2404	HDRPS2	ePA	1	16.01	39.902	30.00	-13.99	1.90	17.91	36.02	-18.11
2441	HDRPS2	ePA	38	15.83	38.282	30.00	-14.17	1.90	17.73	36.02	-18.29
2476	HDRPS2	ePA	73	15.96	39.446	30.00	-14.04	1.90	17.86	36.02	-18.16
2404	HDRPS2	iPA	1	7.29	5.358	30.00	-22.71	1.90	9.19	36.02	-26.83
2441	HDRPS2	iPA	38	7.13	5.164	30.00	-22.87	1.90	9.03	36.02	-26.99
2476	HDRPS2	iPA	73	7.41	5.508	30.00	-22.59	1.90	9.31	36.02	-26.71
2404	XHDRPM6	ePA	1	16.00	39.811	30.00	-14.00	1.90	17.90	36.02	-18.12
2441	XHDRPM6	ePA	38	15.76	37.670	30.00	-14.24	1.90	17.66	36.02	-18.36
2476	XHDRPM6	ePA	73	16.03	40.087	30.00	-13.97	1.90	17.93	36.02	-18.09
2404	XHDRPM6	iPA	1	7.23	5.284	30.00	-22.77	1.90	9.13	36.02	-26.89
2441	XHDRPM6	iPA	38	7.04	5.058	30.00	-22.96	1.90	8.94	36.02	-27.08
2476	XHDRPM6	iPA	73	7.39	5.483	30.00	-22.61	1.90	9.29	36.02	-26.73
2404	HDRPM16	ePA	1	15.82	38.194	30.00	-14.18	1.90	17.72	36.02	-18.30
2441	HDRPM16	ePA	38	15.59	36.224	30.00	-14.41	1.90	17.49	36.02	-18.53
2476	HDRPM16	ePA	73	15.77	37.757	30.00	-14.23	1.90	17.67	36.02	-18.35
2404	HDRPM16	iPA	1	6.15	4.121	30.00	-23.85	1.90	8.05	36.02	-27.97
2441	HDRPM16	iPA	38	5.91	3.899	30.00	-24.09	1.90	7.81	36.02	-28.21
2476	HDRPM16	iPA	73	6.31	4.276	30.00	-23.69	1.90	8.21	36.02	-27.81
2404	HDT2	ePA	1	15.87	38.637	30.00	-14.13	1.90	17.77	36.02	-18.25
2440	HDT2	ePA	37	15.69	37.068	30.00	-14.31	1.90	17.59	36.02	-18.43
2476	HDT2	ePA	73	15.81	38.107	30.00	-14.19	1.90	17.71	36.02	-18.31
2404	HDT2	iPA	1	7.02	5.035	30.00	-22.98	1.90	8.92	36.02	-27.10
2440	HDT2	iPA	37	6.84	4.831	30.00	-23.16	1.90	8.74	36.02	-27.28
2476	HDT2	iPA	73	7.11	5.140	30.00	-22.89	1.90	9.01	36.02	-27.01

Table 7-5. Peak Conducted Output Power Measurements Antenna 2a (Bluetooth HDR)

Frequency [MHz]	Mode	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]
				Antenna 4a		Antenna 2a		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	HDR4	ePA	1	14.67	29.329	15.07	32.137	17.89	61.518	30.00	-12.11	5.16	23.05	36.02	-12.97
2441	HDR4	ePA	38	14.93	31.089	15.32	34.056	18.14	65.163	30.00	-11.86	5.16	23.30	36.02	-12.72
2476	HDR4	ePA	73	14.49	28.100	15.37	34.443	17.96	62.517	30.00	-12.04	5.16	23.12	36.02	-12.90
2404	HDR4	iPA	1	8.16	6.548	6.87	4.862	10.57	11.402	30.00	-19.43	5.16	15.73	36.02	-20.29
2441	HDR4	iPA	38	7.72	5.920	6.53	4.499	10.18	10.423	30.00	-19.82	5.16	15.34	36.02	-20.68
2476	HDR4	iPA	73	7.49	5.607	6.88	4.871	10.20	10.471	30.00	-19.80	5.16	15.36	36.02	-20.66
2404	HDR8	ePA	1	15.61	36.375	15.42	34.818	18.52	71.121	30.00	-11.48	5.16	23.68	36.02	-12.34
2441	HDR8	ePA	38	14.94	31.182	15.25	33.520	18.11	64.714	30.00	-11.89	5.16	23.27	36.02	-12.75
2476	HDR8	ePA	73	14.97	31.405	15.41	34.730	18.20	66.069	30.00	-11.80	5.16	23.36	36.02	-12.66
2404	HDR8	iPA	1	7.61	5.762	6.74	4.722	10.21	10.495	30.00	-19.79	5.16	15.37	36.02	-20.65
2441	HDR8	iPA	38	7.68	5.857	6.42	4.388	10.11	10.257	30.00	-19.89	5.16	15.27	36.02	-20.75
2476	HDR8	iPA	73	7.45	5.564	6.84	4.825	10.17	10.399	30.00	-19.83	5.16	15.33	36.02	-20.69
2404	HDRPS2	ePA	1	15.59	36.224	15.99	39.719	18.80	75.858	30.00	-11.20	5.16	23.96	36.02	-12.06
2441	HDRPS2	ePA	38	15.53	35.727	15.80	38.019	18.68	73.790	30.00	-11.32	5.16	23.84	36.02	-12.18
2476	HDRPS2	ePA	73	15.26	33.574	15.95	39.355	18.63	72.946	30.00	-11.37	5.16	23.79	36.02	-12.23
2404	HDRPS2	iPA	1	7.93	6.209	7.26	5.321	10.62	11.535	30.00	-19.38	5.16	15.78	36.02	-20.24
2441	HDRPS2	iPA	38	8.46	7.015	7.08	5.105	10.83	12.106	30.00	-19.17	5.16	15.99	36.02	-20.03
2476	HDRPS2	iPA	73	9.27	8.453	7.39	5.483	11.44	13.932	30.00	-18.56	5.16	16.60	36.02	-19.42
2404	XHDRPM6	ePA	1	15.53	35.727	16.00	39.811	18.78	75.509	30.00	-11.22	5.16	23.94	36.02	-12.08
2441	XHDRPM6	ePA	38	15.51	35.563	15.75	37.584	18.64	73.114	30.00	-11.36	5.16	23.80	36.02	-12.22
2476	XHDRPM6	ePA	73	15.27	33.651	16.00	39.811	18.66	73.451	30.00	-11.34	5.16	23.82	36.02	-12.20
2404	XHDRPM6	iPA	1	7.85	6.095	7.18	5.224	10.54	11.324	30.00	-19.46	5.16	15.70	36.02	-20.32
2441	XHDRPM6	iPA	38	8.43	6.966	7.00	5.012	10.78	11.967	30.00	-19.22	5.16	15.94	36.02	-20.08
2476	XHDRPM6	iPA	73	9.23	8.375	7.35	5.433	11.40	13.804	30.00	-18.60	5.16	16.56	36.02	-19.46
2404	HDRPM16	ePA	1	15.34	34.198	15.78	37.844	18.58	72.111	30.00	-11.42	5.16	23.74	36.02	-12.28
2441	HDRPM16	ePA	38	15.25	33.497	15.54	35.810	18.41	69.343	30.00	-11.59	5.16	23.57	36.02	-12.45
2476	HDRPM16	ePA	73	14.91	30.974	15.71	37.239	18.34	68.234	30.00	-11.66	5.16	23.50	36.02	-12.52
2404	HDRPM16	iPA	1	6.88	4.875	6.07	4.046	9.50	8.913	30.00	-20.50	5.16	14.66	36.02	-21.36
2441	HDRPM16	iPA	38	6.85	4.842	5.85	3.846	9.39	8.690	30.00	-20.61	5.16	14.55	36.02	-21.47
2476	HDRPM16	iPA	73	7.70	5.888	6.26	4.227	10.05	10.116	30.00	-19.95	5.16	15.21	36.02	-20.81
2404	HDT2	ePA	1	15.28	33.729	15.80	38.019	18.56	71.779	30.00	-11.44	5.16	23.72	36.02	-12.30
2440	HDT2	ePA	37	15.23	33.343	15.60	36.308	18.43	69.663	30.00	-11.57	5.16	23.59	36.02	-12.43
2476	HDT2	ePA	73	14.93	31.117	15.74	37.497	18.36	68.549	30.00	-11.64	5.16	23.52	36.02	-12.50
2404	HDT2	iPA	1	7.68	5.861	6.94	4.943	10.34	10.814	30.00	-19.66	5.16	15.50	36.02	-20.52
2440	HDT2	iPA	37	8.13	6.501	7.26	5.321	10.73	11.830	30.00	-19.27	5.16	15.89	36.02	-20.13
2476	HDT2	iPA	73	8.79	7.568	7.05	5.070	11.02	12.647	30.00	-18.98	5.16	16.18	36.02	-19.84

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

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 41 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.3.2 Average Output Power Measurement – Bluetooth (HDR)

Frequency [MHz]	Mode	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	HDR4	ePA	1	12.48	17.693	30.00	-17.52	2.40	14.88	36.02	-21.14
2441	HDR4	ePA	38	12.08	16.132	30.00	-17.92	2.40	14.48	36.02	-21.54
2476	HDR4	ePA	73	12.12	16.304	30.00	-17.88	2.40	14.52	36.02	-21.50
2404	HDR4	iPA	1	5.14	3.267	30.00	-24.86	2.40	7.54	36.02	-28.48
2441	HDR4	iPA	38	5.02	3.179	30.00	-24.98	2.40	7.42	36.02	-28.60
2476	HDR4	iPA	73	4.65	2.914	30.00	-25.36	2.40	7.05	36.02	-28.98
2404	HDR8	ePA	1	12.49	17.730	30.00	-17.51	2.40	14.89	36.02	-21.13
2441	HDR8	ePA	38	12.48	17.685	30.00	-17.52	2.40	14.88	36.02	-21.14
2476	HDR8	ePA	73	12.32	17.045	30.00	-17.68	2.40	14.72	36.02	-21.30
2404	HDR8	iPA	1	4.71	2.959	30.00	-25.29	2.40	7.11	36.02	-28.91
2441	HDR8	iPA	38	5.31	3.396	30.00	-24.69	2.40	7.71	36.02	-28.31
2476	HDR8	iPA	73	4.76	2.991	30.00	-25.24	2.40	7.16	36.02	-28.86
2404	HDRPS2	ePA	1	11.87	15.385	30.00	-18.13	2.40	14.27	36.02	-21.75
2441	HDRPS2	ePA	38	12.43	17.511	30.00	-17.57	2.40	14.83	36.02	-21.19
2476	HDRPS2	ePA	73	12.17	16.478	30.00	-17.83	2.40	14.57	36.02	-21.45
2404	HDRPS2	iPA	1	5.17	3.290	30.00	-24.83	2.40	7.57	36.02	-28.45
2441	HDRPS2	iPA	38	4.94	3.120	30.00	-25.06	2.40	7.34	36.02	-28.68
2476	HDRPS2	iPA	73	5.18	3.299	30.00	-24.82	2.40	7.58	36.02	-28.44
2404	XHDRPM6	ePA	1	12.34	17.128	30.00	-17.66	2.40	14.74	36.02	-21.28
2441	XHDRPM6	ePA	38	12.44	17.535	30.00	-17.56	2.40	14.84	36.02	-21.18
2476	XHDRPM6	ePA	73	12.14	16.361	30.00	-17.86	2.40	14.54	36.02	-21.48
2404	XHDRPM6	iPA	1	5.11	3.243	30.00	-24.89	2.40	7.51	36.02	-28.51
2441	XHDRPM6	iPA	38	5.13	3.256	30.00	-24.87	2.40	7.53	36.02	-28.49
2476	XHDRPM6	iPA	73	5.41	3.475	30.00	-24.59	2.40	7.81	36.02	-28.21
2404	HDRPM16	ePA	1	10.35	10.839	30.00	-19.65	2.40	12.75	36.02	-23.27
2441	HDRPM16	ePA	38	10.34	10.824	30.00	-19.66	2.40	12.74	36.02	-23.28
2476	HDRPM16	ePA	73	10.03	10.065	30.00	-19.97	2.40	12.43	36.02	-23.59
2404	HDRPM16	iPA	1	2.18	1.653	30.00	-27.82	2.40	4.58	36.02	-31.44
2441	HDRPM16	iPA	38	2.16	1.642	30.00	-27.85	2.40	4.56	36.02	-31.47
2476	HDRPM16	iPA	73	2.20	1.659	30.00	-27.80	2.40	4.60	36.02	-31.42
2404	HDT2	ePA	1	12.34	17.144	30.00	-17.66	2.40	14.74	36.02	-21.28
2440	HDT2	ePA	37	12.32	17.073	30.00	-17.68	2.40	14.72	36.02	-21.30
2476	HDT2	ePA	73	12.06	16.069	30.00	-17.94	2.40	14.46	36.02	-21.56
2404	HDT2	iPA	1	5.09	3.228	30.00	-24.91	2.40	7.49	36.02	-28.53
2440	HDT2	iPA	37	5.49	3.538	30.00	-24.51	2.40	7.89	36.02	-28.13
2476	HDT2	iPA	73	5.30	3.390	30.00	-24.70	2.40	7.70	36.02	-28.32

Table 7-7. Average Conducted Output Power Measurements Antenna 4a (Bluetooth HDR)

FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 42 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Frequency [MHz]	Mode	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	HDR4	ePA	1	12.59	18.138	30.00	-17.41	1.90	14.49	36.02	-21.53
2441	HDR4	ePA	38	12.97	19.824	30.00	-17.03	1.90	14.87	36.02	-21.15
2476	HDR4	ePA	73	12.51	17.803	30.00	-17.50	1.90	14.41	36.02	-21.62
2404	HDR4	iPA	1	4.44	2.782	30.00	-25.56	1.90	6.34	36.02	-29.68
2441	HDR4	iPA	38	4.49	2.811	30.00	-25.51	1.90	6.39	36.02	-29.63
2476	HDR4	iPA	73	4.13	2.586	30.00	-25.87	1.90	6.03	36.02	-29.99
2404	HDR8	ePA	1	12.93	19.620	30.00	-17.07	1.90	14.83	36.02	-21.19
2441	HDR8	ePA	38	12.85	19.280	30.00	-17.15	1.90	14.75	36.02	-21.27
2476	HDR8	ePA	73	12.99	19.902	30.00	-17.01	1.90	14.89	36.02	-21.13
2404	HDR8	iPA	1	4.24	2.656	30.00	-25.76	1.90	6.14	36.02	-29.88
2441	HDR8	iPA	38	4.02	2.524	30.00	-25.98	1.90	5.92	36.02	-30.10
2476	HDR8	iPA	73	3.99	2.504	30.00	-26.01	1.90	5.89	36.02	-30.13
2404	HDRPS2	ePA	1	12.97	19.829	30.00	-17.03	1.90	14.87	36.02	-21.15
2441	HDRPS2	ePA	38	12.68	18.552	30.00	-17.32	1.90	14.58	36.02	-21.44
2476	HDRPS2	ePA	73	12.75	18.841	30.00	-17.25	1.90	14.65	36.02	-21.37
2404	HDRPS2	iPA	1	4.21	2.635	30.00	-25.79	1.90	6.11	36.02	-29.91
2441	HDRPS2	iPA	38	4.01	2.519	30.00	-25.99	1.90	5.91	36.02	-30.11
2476	HDRPS2	iPA	73	4.38	2.742	30.00	-25.62	1.90	6.28	36.02	-29.74
2404	XHDRPM6	ePA	1	12.85	19.271	30.00	-17.15	1.90	14.75	36.02	-21.27
2441	XHDRPM6	ePA	38	12.66	18.450	30.00	-17.34	1.90	14.56	36.02	-21.46
2476	XHDRPM6	ePA	73	12.92	19.602	30.00	-17.08	1.90	14.82	36.02	-21.20
2404	XHDRPM6	iPA	1	4.22	2.644	30.00	-25.78	1.90	6.12	36.02	-29.90
2441	XHDRPM6	iPA	38	4.13	2.589	30.00	-25.87	1.90	6.03	36.02	-29.99
2476	XHDRPM6	iPA	73	4.44	2.778	30.00	-25.56	1.90	6.34	36.02	-29.68
2404	HDRPM16	ePA	1	10.83	12.117	30.00	-19.17	1.90	12.73	36.02	-23.29
2441	HDRPM16	ePA	38	10.57	11.413	30.00	-19.43	1.90	12.47	36.02	-23.55
2476	HDRPM16	ePA	73	10.74	11.847	30.00	-19.26	1.90	12.64	36.02	-23.38
2404	HDRPM16	iPA	1	1.22	1.325	30.00	-28.78	1.90	3.12	36.02	-32.90
2441	HDRPM16	iPA	38	1.01	1.261	30.00	-28.99	1.90	2.91	36.02	-33.11
2476	HDRPM16	iPA	73	1.50	1.411	30.00	-28.51	1.90	3.40	36.02	-32.63
2404	HDT2	ePA	1	12.97	19.829	30.00	-17.03	1.90	14.87	36.02	-21.15
2440	HDT2	ePA	37	12.77	18.932	30.00	-17.23	1.90	14.67	36.02	-21.35
2476	HDT2	ePA	73	12.90	19.476	30.00	-17.11	1.90	14.80	36.02	-21.23
2404	HDT2	iPA	1	4.16	2.607	30.00	-25.84	1.90	6.06	36.02	-29.96
2440	HDT2	iPA	37	4.01	2.515	30.00	-25.99	1.90	5.91	36.02	-30.11
2476	HDT2	iPA	73	4.38	2.740	30.00	-25.62	1.90	6.28	36.02	-29.74

Table 7-8. Average Conducted Output Power Measurements Antenna 2a (Bluetooth HDR)

Frequency [MHz]	Mode	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]
				Antenna 4a		Antenna 2a		Summed							
				[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]						
2404	HDR4	ePA	1	11.70	14.805	12.61	18.222	15.19	33.037	30.00	-14.81	5.16	20.35	36.02	-15.67
2441	HDR4	ePA	38	11.72	14.846	12.17	16.478	14.96	31.333	30.00	-15.04	5.16	20.12	36.02	-15.90
2476	HDR4	ePA	73	12.07	16.110	12.96	19.788	15.55	35.892	30.00	-14.45	5.16	20.71	36.02	-15.31
2404	HDR4	iPA	1	4.94	3.116	4.40	2.754	7.69	5.875	30.00	-22.31	5.16	12.85	36.02	-23.17
2441	HDR4	iPA	38	5.26	3.360	4.00	2.513	7.69	5.875	30.00	-22.31	5.16	12.85	36.02	-23.17
2476	HDR4	iPA	73	5.05	3.202	4.46	2.795	7.78	5.998	30.00	-22.22	5.16	12.94	36.02	-23.08
2404	HDR8	ePA	1	12.01	15.900	12.93	19.616	15.50	35.481	30.00	-14.50	5.16	20.66	36.02	-15.36
2441	HDR8	ePA	38	12.45	17.571	12.80	19.041	15.64	36.644	30.00	-14.36	5.16	20.80	36.02	-15.22
2476	HDR8	ePA	73	12.33	17.088	12.94	19.656	15.65	36.728	30.00	-14.35	5.16	20.81	36.02	-15.21
2404	HDR8	iPA	1	5.18	3.298	4.15	2.602	7.71	5.902	30.00	-22.29	5.16	12.87	36.02	-23.15
2441	HDR8	iPA	38	5.23	3.334	4.04	2.533	7.68	5.861	30.00	-22.32	5.16	12.84	36.02	-23.18
2476	HDR8	iPA	73	4.68	2.936	4.43	2.771	7.56	5.702	30.00	-22.44	5.16	12.72	36.02	-23.30
2404	HDRPS2	ePA	1	12.46	17.628	12.78	18.963	15.63	36.559	30.00	-14.37	5.16	20.79	36.02	-15.23
2441	HDRPS2	ePA	38	12.49	17.734	12.60	18.214	15.56	35.975	30.00	-14.44	5.16	20.72	36.02	-15.30
2476	HDRPS2	ePA	73	12.07	16.106	12.89	19.458	15.51	35.563	30.00	-14.49	5.16	20.67	36.02	-15.35
2404	HDRPS2	iPA	1	5.21	3.320	4.23	2.647	7.76	5.970	30.00	-22.24	5.16	12.92	36.02	-23.10
2441	HDRPS2	iPA	38	5.47	3.526	4.01	2.515	7.81	6.039	30.00	-22.19	5.16	12.97	36.02	-23.05
2476	HDRPS2	iPA	73	5.36	3.436	4.44	2.779	7.93	6.209	30.00	-22.07	5.16	13.09	36.02	-22.93
2404	XHDRPM6	ePA	1	12.38	17.310	12.96	19.761	15.69	37.068	30.00	-14.31	5.16	20.85	36.02	-15.17
2441	XHDRPM6	ePA	38	12.39	17.338	12.77	18.928	15.59	36.224	30.00	-14.41	5.16	20.75	36.02	-15.27
2476	XHDRPM6	ePA	73	12.21	16.638	12.73	18.754	15.49	35.400	30.00	-14.51	5.16	20.65	36.02	-15.37
2404	XHDRPM6	iPA	1	5.10	3.234	4.18	2.615	7.67	5.848	30.00	-22.33	5.16	12.83	36.02	-23.19
2441	XHDRPM6	iPA	38	5.48	3.535	4.03	2.530	7.83	6.067	30.00	-22.17	5.16	12.99	36.02	-23.03
2476	XHDRPM6	iPA	73	5.33	3.409	4.40	2.754	7.90	6.166	30.00	-22.10	5.16	13.06	36.02	-22.96
2404	HDRPM16	ePA	1	10.37	10.882	10.85	12.156	13.62	23.014	30.00	-16.38	5.16	18.78	36.02	-17.24
2441	HDRPM16	ePA	38	10.31	10.750	10.58	11.424	13.46	22.182	30.00	-16.54	5.16	18.62	36.02	-17.40
2476	HDRPM16	ePA	73	9.97	9.929	10.73	11.841	13.38	21.777	30.00	-16.62	5.16	18.54	36.02	-17.48
2404	HDRPM16	iPA	1	2.26	1.682	1.20	1.318	4.77	2.999	30.00	-25.23	5.16	9.93	36.02	-26.09
2441	HDRPM16	iPA	38	2.12	1.627	0.97	1.250	4.59	2.877	30.00	-25.41	5.16	9.75	36.02	-26.27
2476	HDRPM16	iPA	73	2.12	1.627	1.48	1.407	4.82	3.034	30.00	-25.18	5.16	9.98	36.02	-26.04
2404	HDT2	ePA	1	12.32	17.053	12.91	19.548	15.63	36.559	30.00	-14.37	5.16	20.79	36.02	-15.23
2440	HDT2	ePA	37	12.30	16.967	12.70	18.604	15.51	35.563	30.00	-14.49	5.16	20.67	36.02	-15.35
2476	HDT2	ePA	73	12.04	15.981	12.83	19.196	15.46	35.156	30.00	-14.54	5.16	20.62	36.02	-15.40
2404	HDT2	iPA	1	5.04	3.188	4.08	2.560	7.60	5.754	30.00	-22.40	5.16	12.76	36.02	-23.26
2440	HDT2	iPA	37	5.39	3.463	4.45	2.785	7.96	6.252	30.00	-22.04	5.16	13.12	36.02	-22.90
2476	HDT2	iPA	73	5.23	3.330	4.30	2.690	7.80	6.026	30.00	-22.20	5.16	12.96	36.02	-23.06

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

FCC ID: BCGA3361 IC: 579C-A3361	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 43 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Note:

Per ANSI C63.10-2020 and KDB 662911 D01 v02r01 Section E)1), the conducted powers at Antenna 4a and Antenna 2a 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 11.70 dBm for Antenna 4a and 12.61 dBm for Antenna 2a.

$$\text{Antenna 4a} + \text{Antenna 2a} = \text{TxBF}$$

$$(11.70 \text{ dBm} + 12.61 \text{ dBm}) = (14.791 \text{ mW} + 18.239 \text{ mW}) = 33.03 \text{ mW} = 15.19 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 2404MHz, the average conducted output power was calculated to be 15.19 dBm with antenna gain of 5.16 dBi.

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

$$15.19 \text{ dBm} + 5.16 \text{ dBi} = 20.35 \text{ dBm}$$

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 44 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 45 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.4.1 Antenna 4a

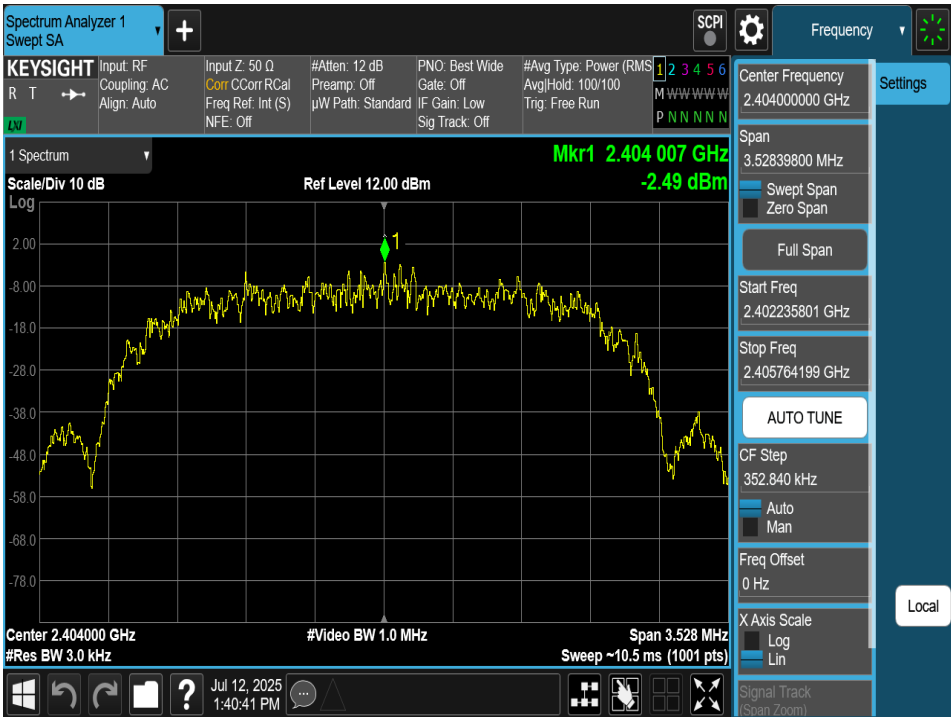
Frequency [MHz]	Mode	Power Scheme	Channel No.	Measured Power Density [dBm/3kHz]	Max Power Density [dBm/3kHz]	Margin [dB]
2404	HDR4	ePA	1	-2.49	8.0	-10.49
2441	HDR4	ePA	38	-2.47	8.0	-10.47
2476	HDR4	ePA	73	-2.78	8.0	-10.78
2404	HDR4	iPA	1	-8.79	8.0	-16.79
2441	HDR4	iPA	38	-8.87	8.0	-16.87
2476	HDR4	iPA	73	-9.45	8.0	-17.45
2404	HDR8	ePA	1	-4.13	8.0	-12.13
2441	HDR8	ePA	38	-4.14	8.0	-12.14
2476	HDR8	ePA	73	-4.30	8.0	-12.30
2404	HDR8	iPA	1	-11.45	8.0	-19.45
2441	HDR8	iPA	38	-10.99	8.0	-18.99
2476	HDR8	iPA	73	-10.45	8.0	-18.45
2404	HDRPS2	ePA	1	-5.93	8.0	-13.93
2441	HDRPS2	ePA	38	-3.56	8.0	-11.56
2476	HDRPS2	ePA	73	-4.32	8.0	-12.32
2404	HDRPS2	iPA	1	-13.63	8.0	-21.63
2441	HDRPS2	iPA	38	-12.85	8.0	-20.85
2476	HDRPS2	iPA	73	-10.50	8.0	-18.50
2404	XHDRPM6	ePA	1	-9.67	8.0	-17.67
2441	XHDRPM6	ePA	38	-7.89	8.0	-15.89
2476	XHDRPM6	ePA	73	-8.64	8.0	-16.64
2404	XHDRPM6	iPA	1	-17.63	8.0	-25.63
2441	XHDRPM6	iPA	38	-16.90	8.0	-24.90
2476	XHDRPM6	iPA	73	-14.48	8.0	-22.48
2404	HDRPM16	ePA	1	-9.88	8.0	-17.88
2441	HDRPM16	ePA	38	-8.24	8.0	-16.24
2476	HDRPM16	ePA	73	-9.19	8.0	-17.19
2404	HDRPM16	iPA	1	-19.24	8.0	-27.24
2441	HDRPM16	iPA	38	-18.93	8.0	-26.93
2476	HDRPM16	iPA	73	-16.23	8.0	-24.23
2404	HDT2	ePA	1	-7.42	8.0	-15.42
2440	HDT2	ePA	37	-5.63	8.0	-13.63
2476	HDT2	ePA	73	-6.37	8.0	-14.37
2404	HDT2	iPA	1	-15.96	8.0	-23.96
2440	HDT2	iPA	37	-14.81	8.0	-22.81
2476	HDT2	iPA	73	-12.42	8.0	-20.42

Table 7-10. Conducted Power Density Measurements Antenna 4a

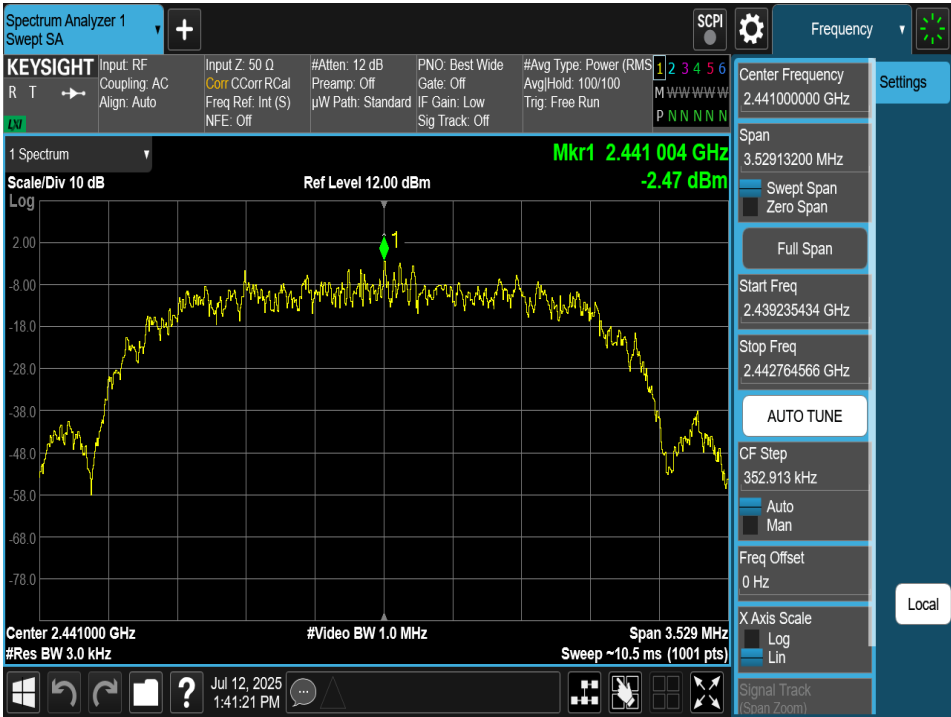
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 46 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-37. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 1)

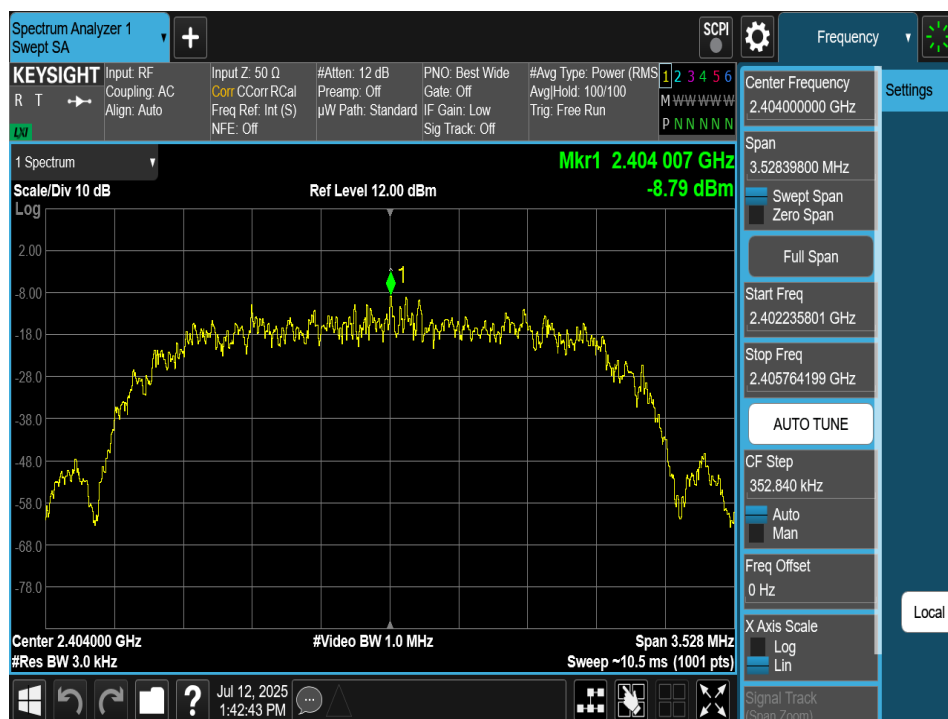


Plot 7-38. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 38)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 47 of 199



Plot 7-39. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, ePA – Ch. 73)

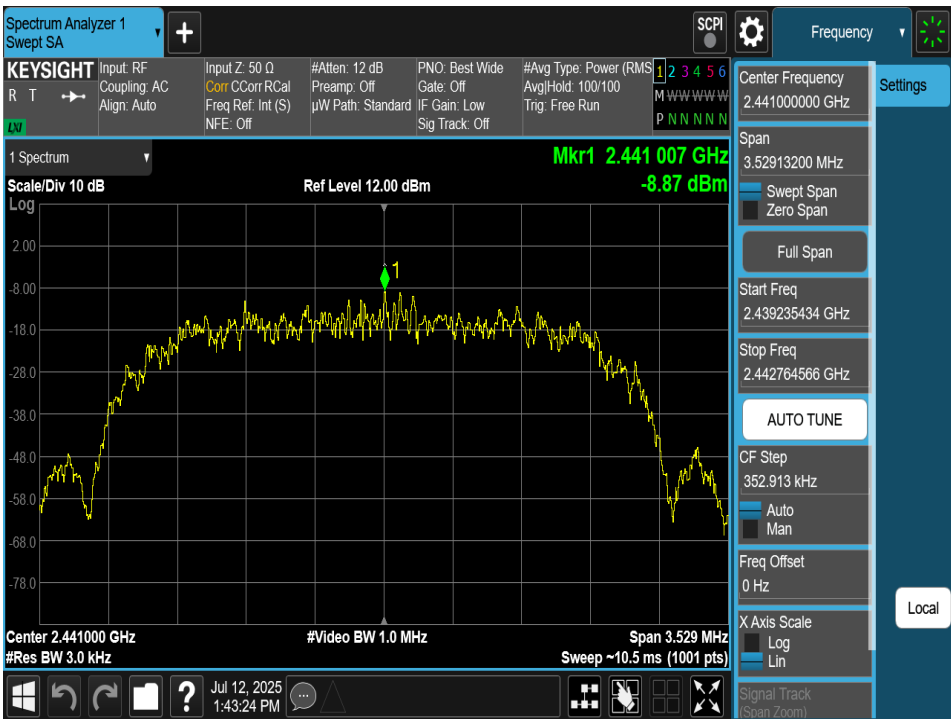


Plot 7-40. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 1)

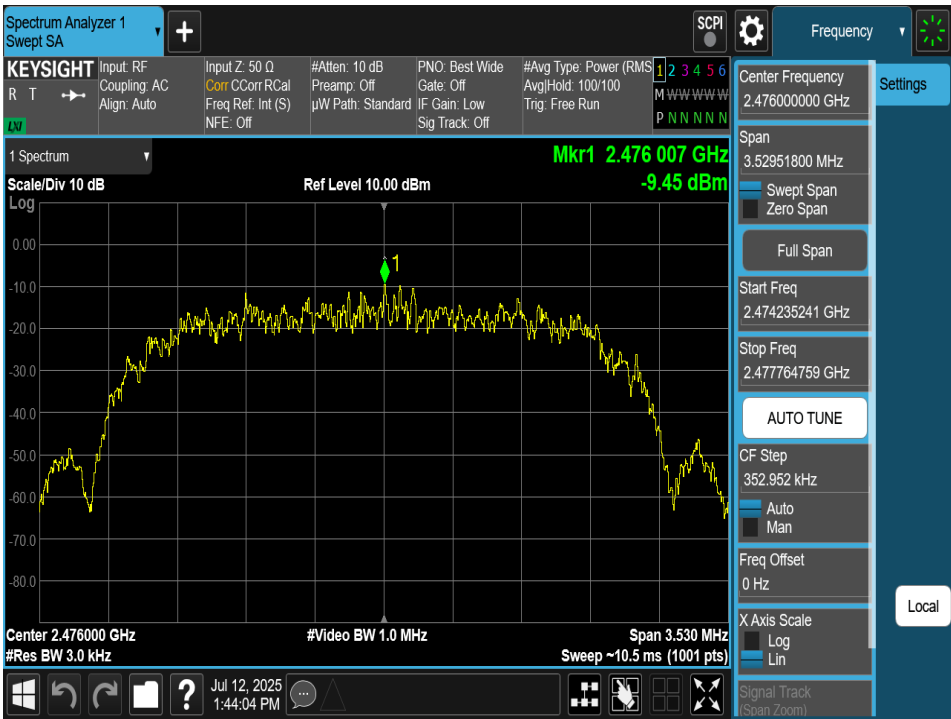
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 48 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

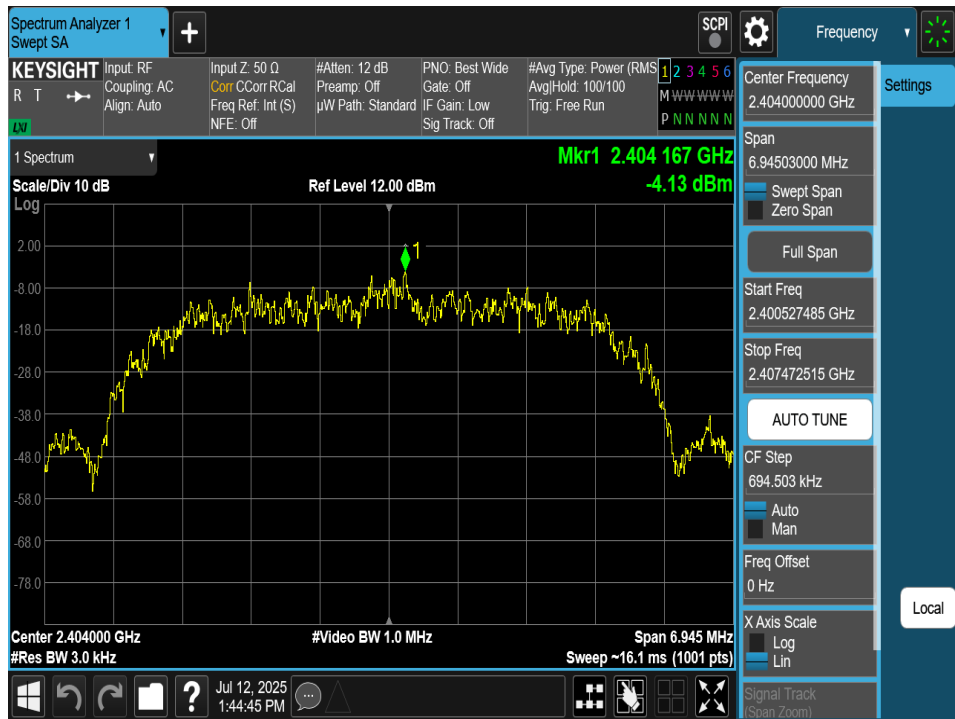


Plot 7-41. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 38)

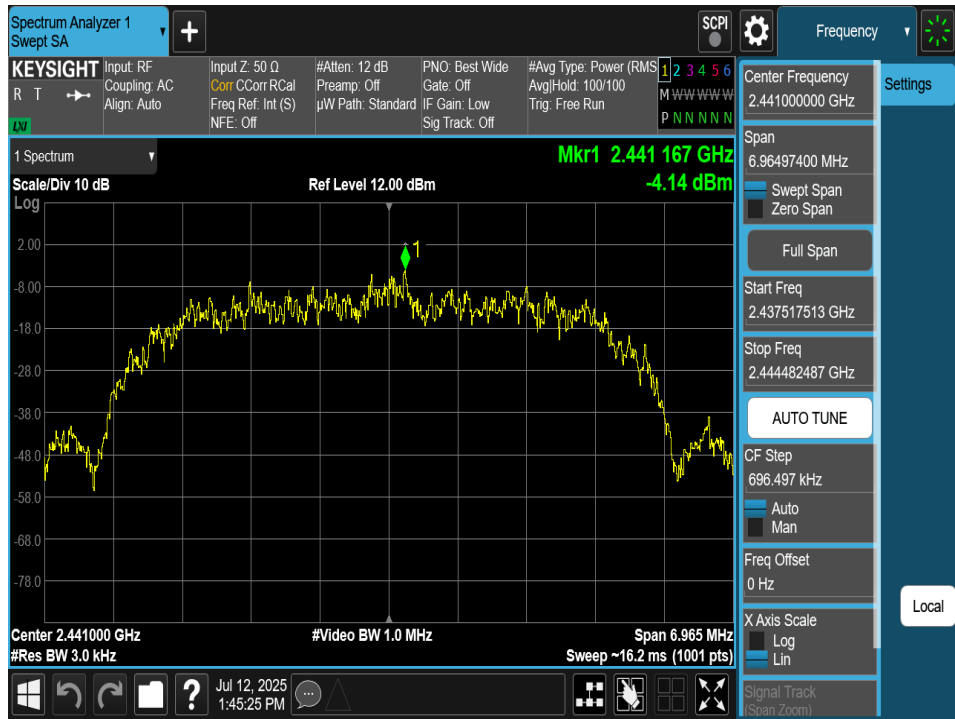


Plot 7-42. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR4), 4Mbps, iPA – Ch. 73)

FCC ID: BCGA3361 IC: 579C-A3361	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 49 of 199

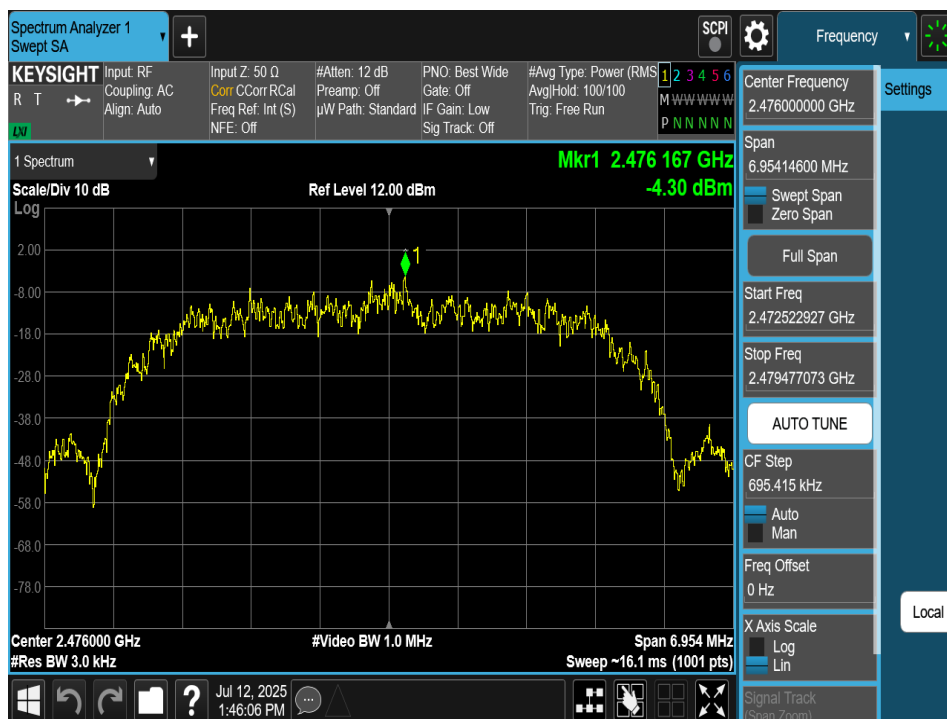


Plot 7-43. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 1)

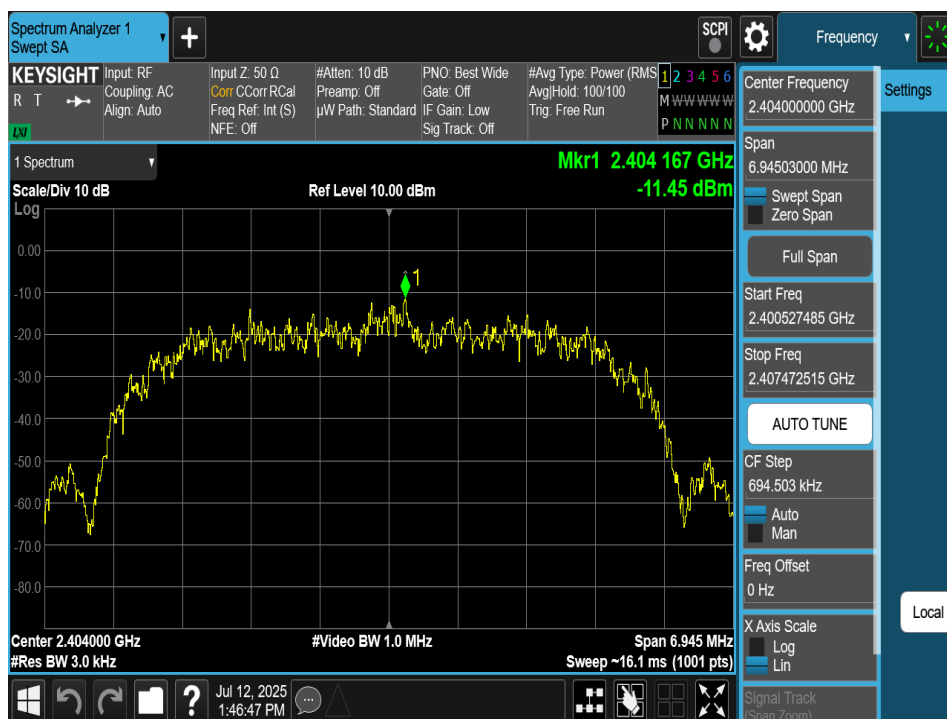


Plot 7-44. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 38)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 50 of 199



Plot 7-45. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, ePA – Ch. 73)

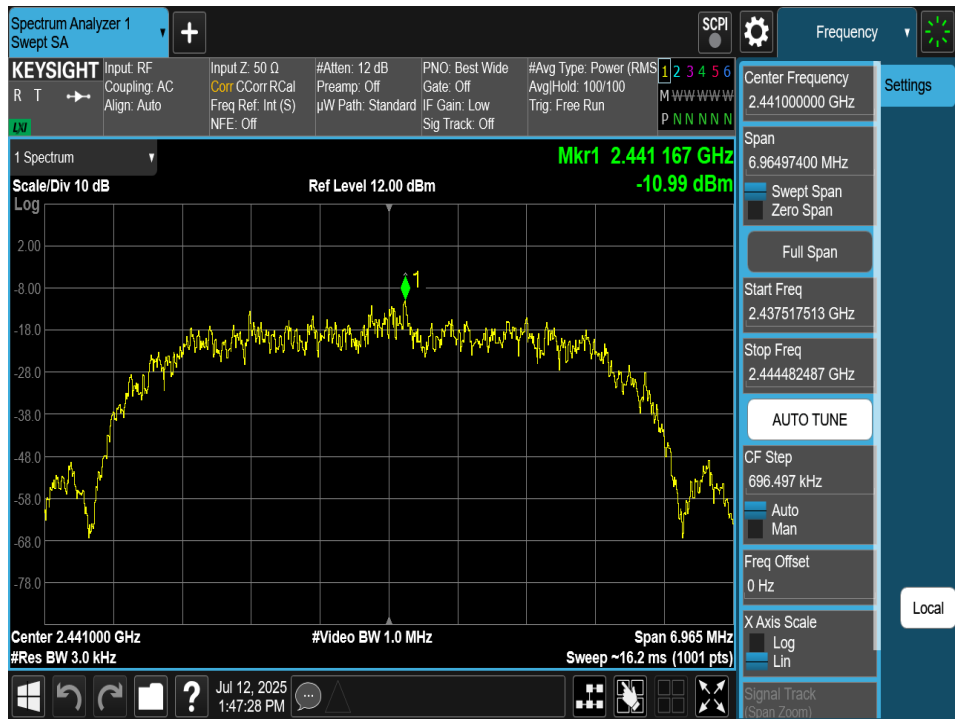


Plot 7-46. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, iPA – Ch. 1)

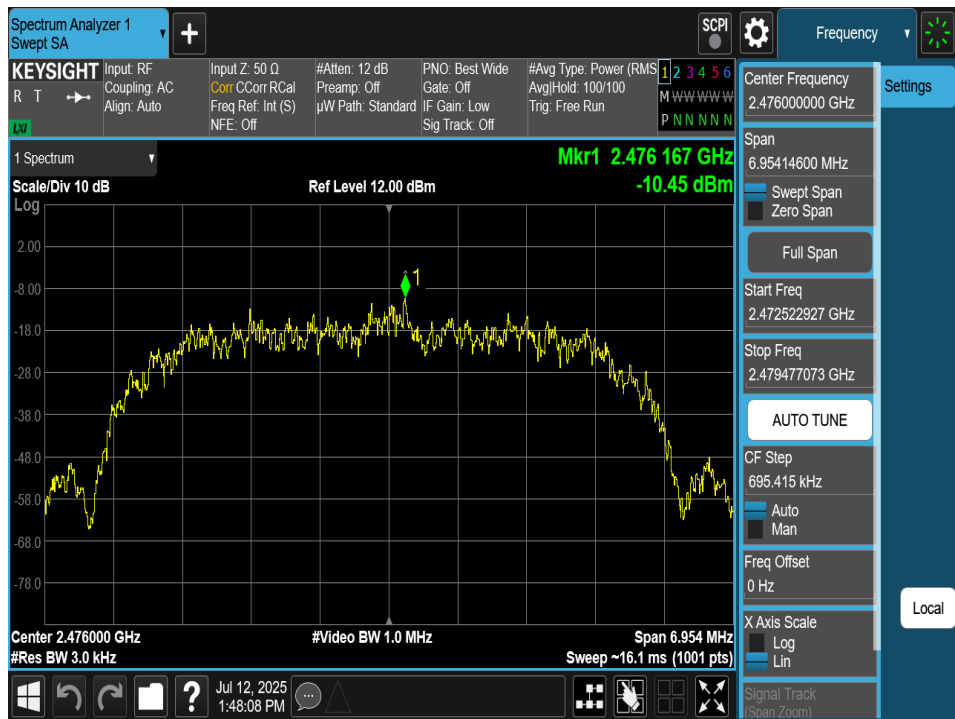
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 51 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-47. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, iPA – Ch. 38)



Plot 7-48. Power Spectral Density Plot Antenna 4a (Bluetooth (HDR8), 8Mbps, iPA – Ch. 73)

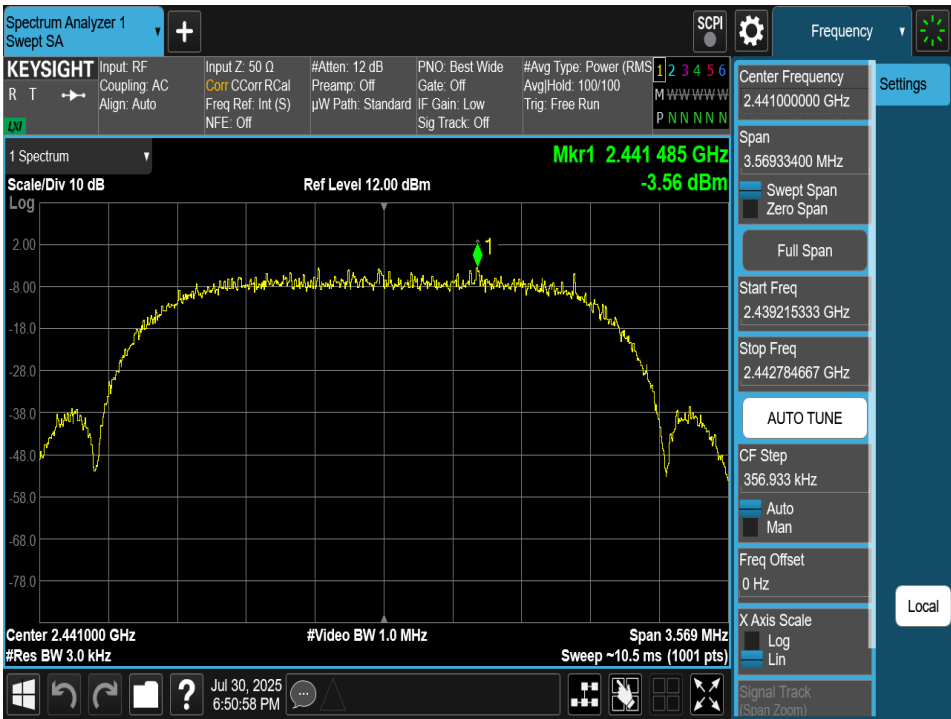
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 52 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

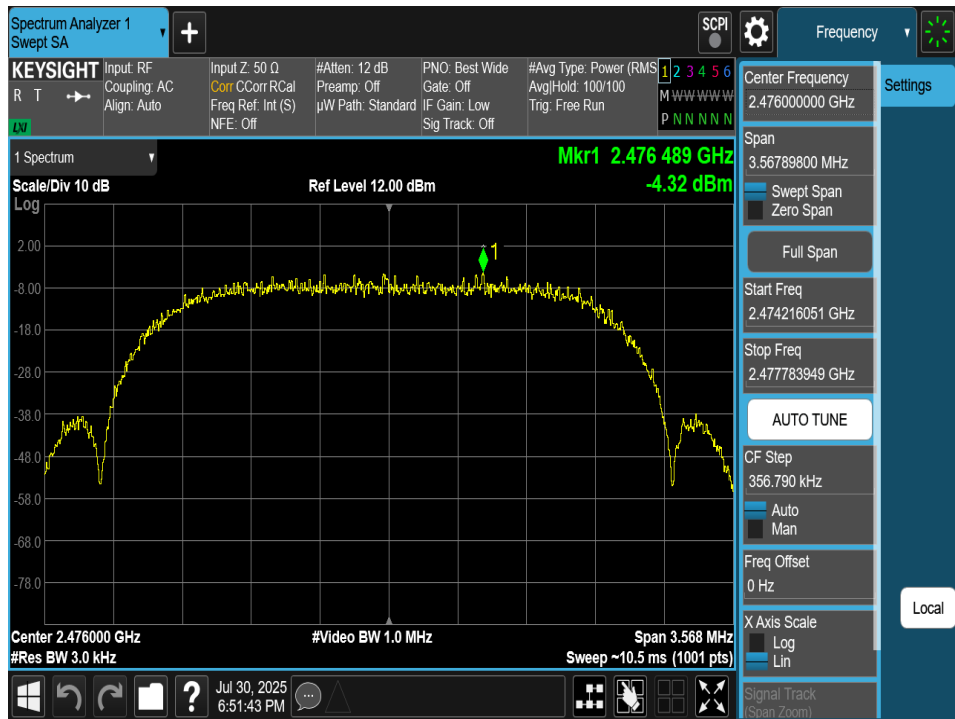


Plot 7-49. Power Spectral Density Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 1)

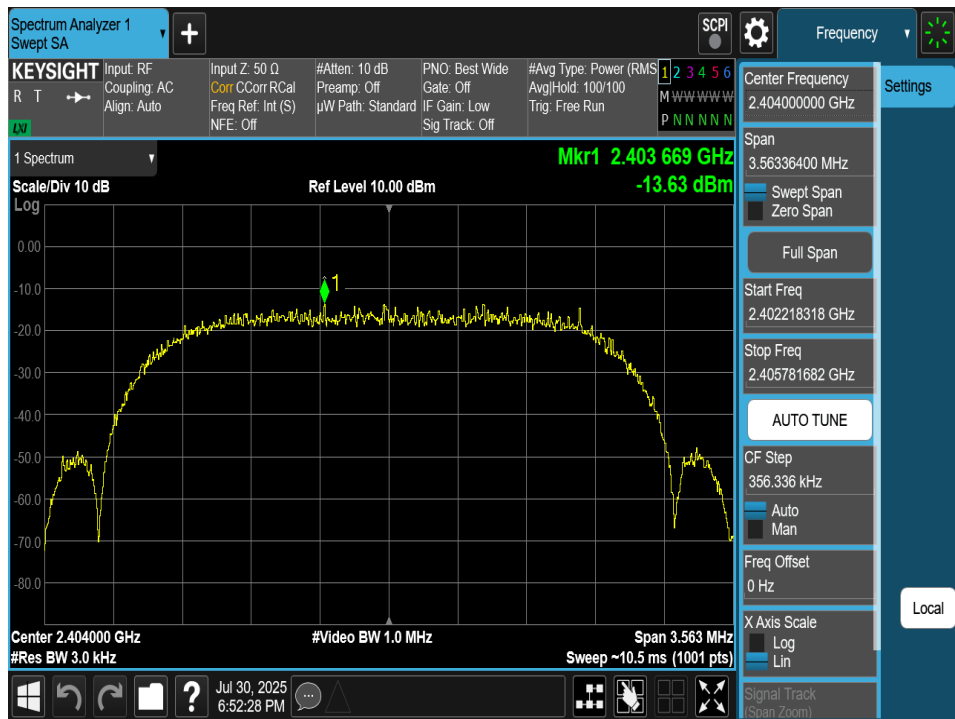


Plot 7-50. Power Spectral Density Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 38)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 53 of 199



Plot 7-51. Power Spectral Density Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, ePA – Ch. 73)

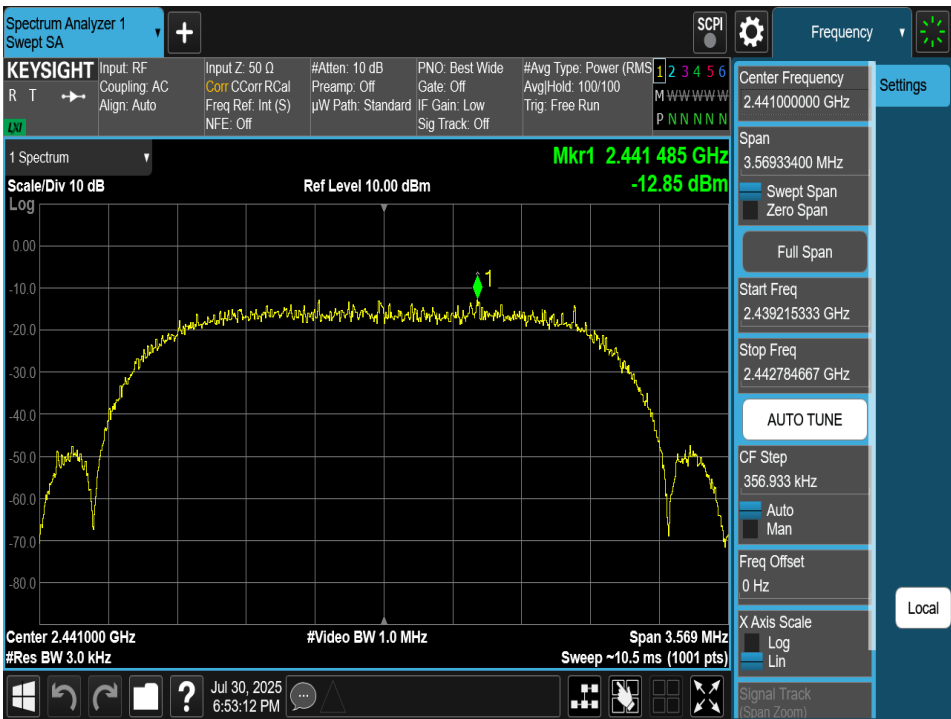


Plot 7-52. Power Spectral Density Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 1)

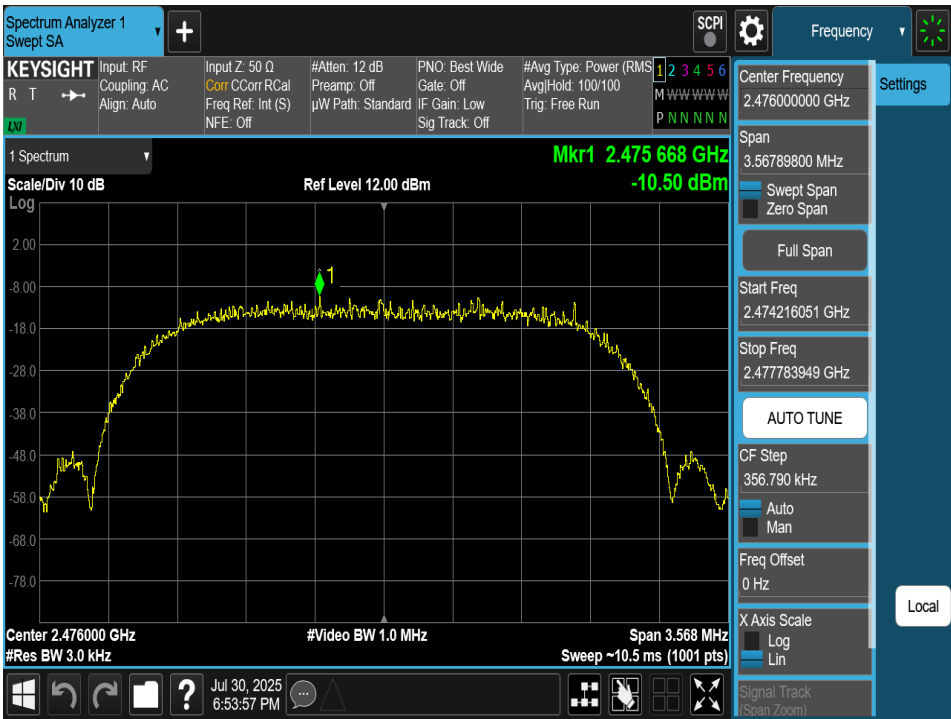
FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 54 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

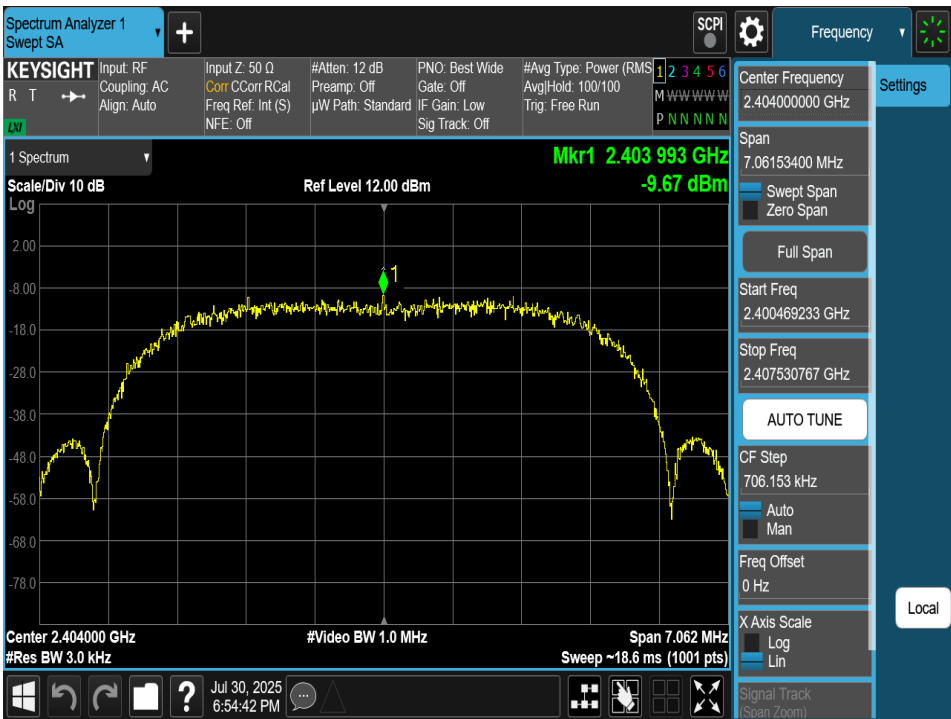


Plot 7-53. Power Spectral Density Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 38)

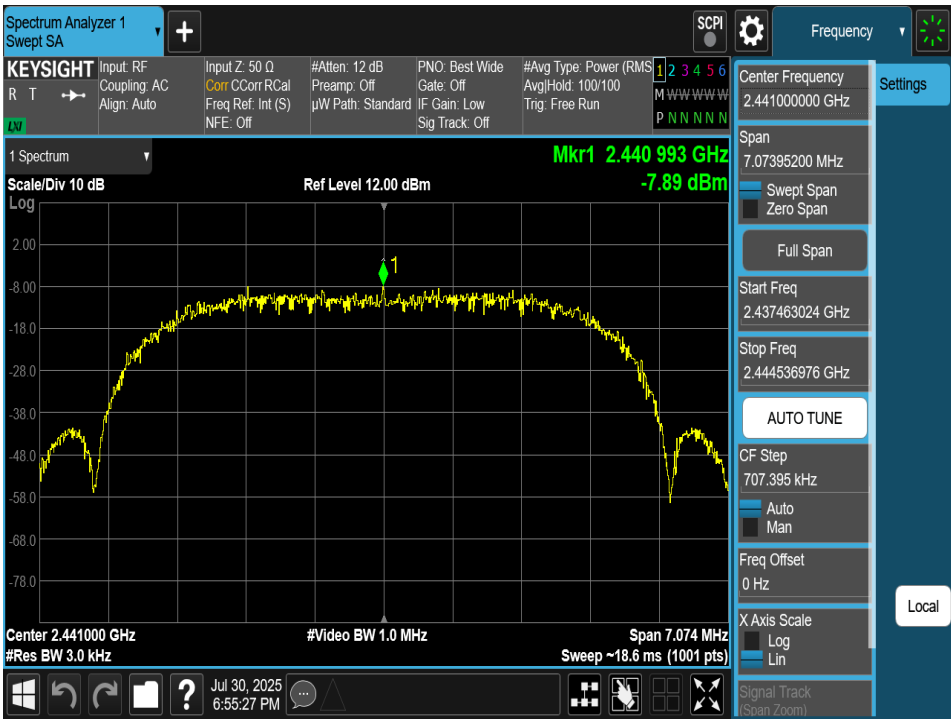


Plot 7-54. Power Spectral Density Plot Antenna 4a (Bluetooth (HDRPS2), 2Mbps, iPA – Ch. 73)

FCC ID: BCGA3361 IC: 579C-A3361	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 55 of 199

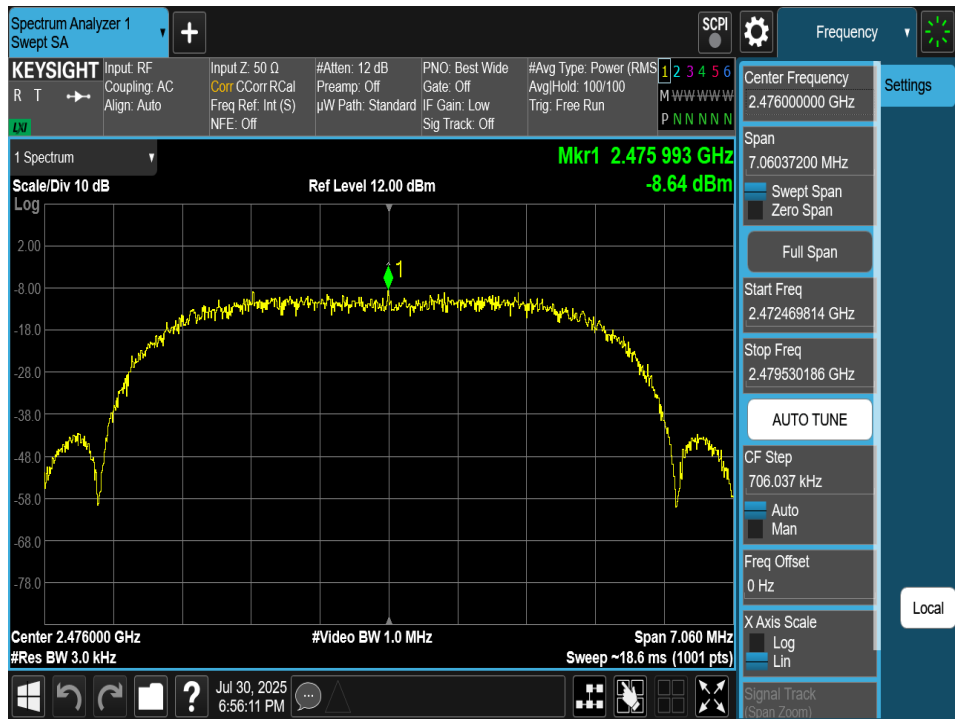


Plot 7-55. Power Spectral Density Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 1)

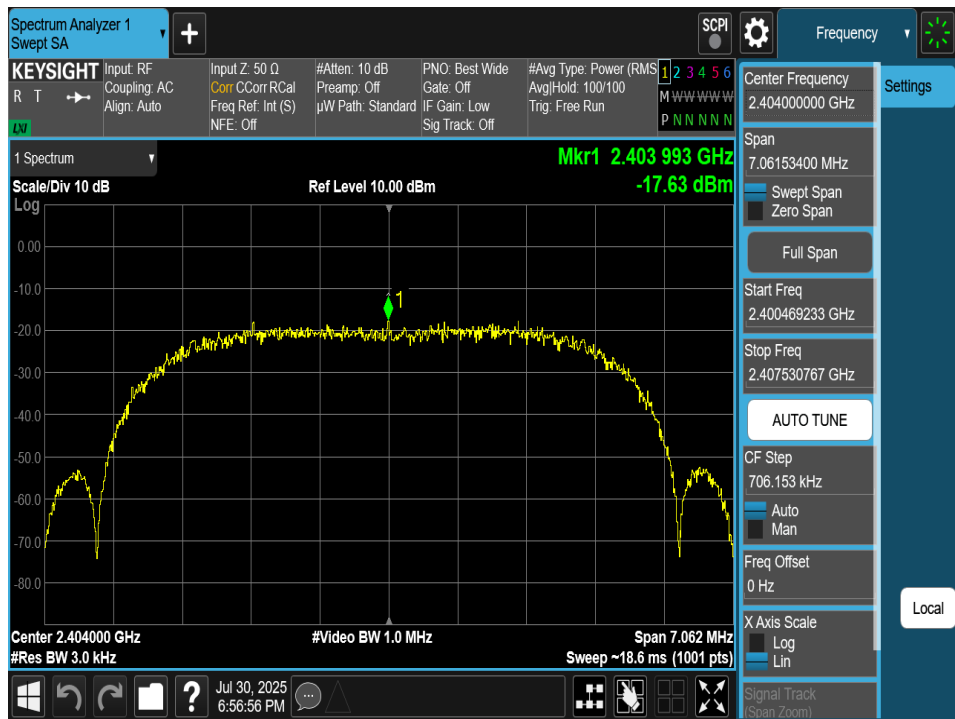


Plot 7-56. Power Spectral Density Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 38)

FCC ID: BCGA3361 IC: 579C-A3361	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 56 of 199



Plot 7-57. Power Spectral Density Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, ePA – Ch. 73)

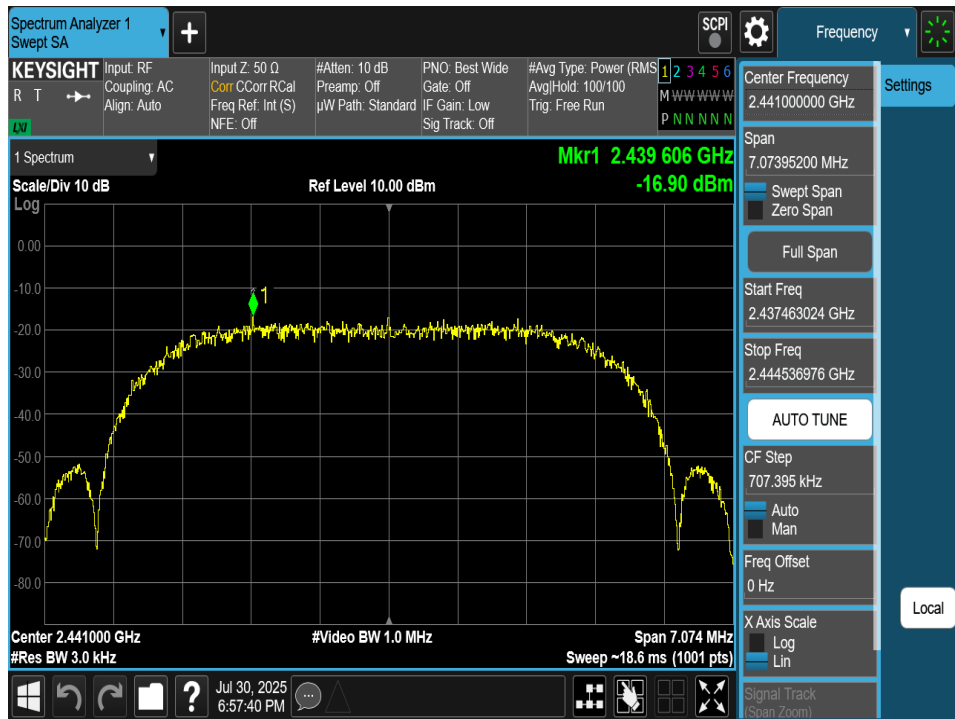


Plot 7-58. Power Spectral Density Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 1)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 57 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-59. Power Spectral Density Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 38)



Plot 7-60. Power Spectral Density Plot Antenna 4a (Bluetooth (XHDRPM6), 6Mbps, iPA – Ch. 73)

FCC ID: BCGA3361 IC: 579C-A3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-16-R2.BCG	Test Dates: 05/12/2025 - 07/19/2025	EUT Type: Tablet Device	Page 58 of 199

V 11.0 05/2025

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.