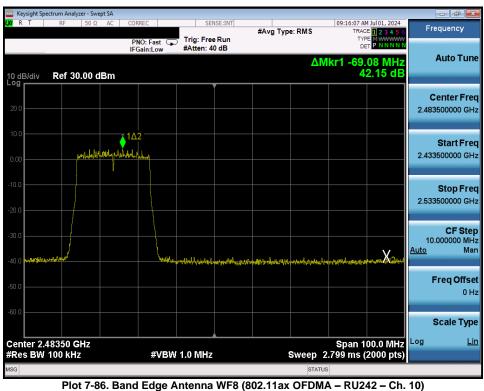


	ight Spec									_									
<mark>XI</mark> R T	T	RF		50 Ω	AC	F		ast 🕞		g: Free		#Avg	Type:	RMS		TRACE	01, 2024 2 3 4 5 6	F	requency
10 dB/	/div	Ref	30.0	00 d	IBm	IF	Gain:l	_ow	#At	ten: 4	UdB			ΔΜ	lkr1 -:	38.47	MHz 64 dB		Auto Tune
20.0 -					∡ 1Δ	2													Center Free 33500000 GH
10.0		ر پرونی	eli Jallari	mlatul T	alland and a													2.43	Start Fre 33500000 GH
-10.0 — -20.0 —																		2.53	Stop Fre 33500000 GH
-30.0	WWW.						Arry	wheth	whenthe	wifeglacestry	odrar (Horper)).	X Constraining	longob.	derledanaport	www.print	trigen at th	Yerberrybet Askey	1 <u>Auto</u>	CF Ste 0.000000 MH Ma
-50.0 -																			Freq Offs 0 H
Cente	er 2.43			z											Spai	n 10 <u>0</u>	.0 MHz	Log	Scale Typ <u>Li</u>
_	BW 1	00 H	κHz					¢VΒ₩	1.0	MHz			S	weep 2	.799 m	ns (20	00 pts)		
SG														STATUS	5				

Plot 7-85. Band Edge Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 9)

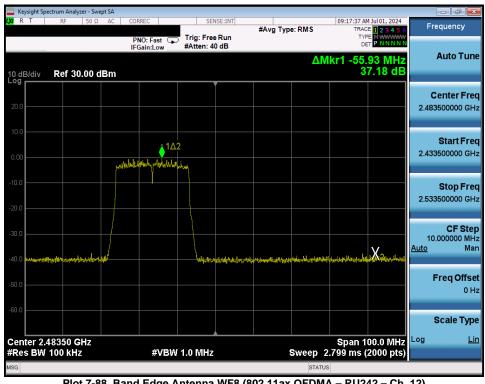


FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 74 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 74 of 159
	0,20,2021 110 112021		V/ 10 6 10/27/2022



	pectrum Analyzer -										- 0
KI R T	RF 50	Ω AC	PNO: Fast	Trig: Free		#Avg Typ	e: RMS	TRAC	M Jul 01, 2024 DE 1 2 3 4 5 6 PE MWWWW ET P N N N N N	Fr	equency
I0 dB/div	Ref 30.00) dBm	IFGain:Low	#Atten: 4	UdB		ΔΝ	lkr1 -53	.98 MHz 8.50 dB		Auto Tun
20.0											Center Fre 3500000 G⊦
0.00		per labertaria	1∆2 ₩₩₽₩₩₩₩₩₩₩₩₩							2.43	Start Fre 3500000 GH
20.0										2.53	Stop Fre 3500000 GI
30.0	ulphour programmer			hant had any dates	والمرادية والجارية	ngtyrenskenstaakspletter	Manghanghanghangh	X2.	ynystynik med argen st	10 <u>Auto</u>	CF Sto 0.000000 M M
50.0											Freq Offs 0
60.0											Scale Ty
	.48350 GHz / 100 kHz		#VBN	№ 1.0 MHz			Sweep 2	Span 1 2.799 ms (00.0 MHz (2000 pts)	Log	Ŀ
SG							STATUS	5			

Plot 7-87. Band Edge Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 11)



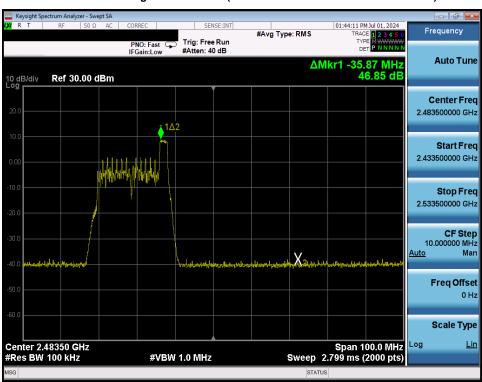
Plot 7-88. Band Edge Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 12)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dana 75 at 450	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 75 of 159	
			V 10.6 10/27/2023	



Keysight Spectrum Analyzer - Swept SA 01:18:11 PM Jul 01, 2024 SENSE:INT Frequency #Avg Type: RMS TRACE 1 2 3 4 5 Trig: Free Run TYP PNO: Fast 😱 IFGain:Low #Atten: 40 dB Auto Tune ΔMkr1 4.10 MHz 46.37 dB 10 dB/div Ref 30.00 dBm **Center Freq** 2.40000000 GHz <mark>_`1∆2</mark> Start Freq 2.350000000 GHz AND A REAL PARTY Stop Freq 2.45000000 GHz CF Step 10.000000 MHz Man <u>Auto</u> Freq Offset 0 Hz Scale Type Span 100.0 MHz Log Sweep 2.799 ms (2000 pts) Center 2.40000 GHz #Res BW 100 kHz <u>Lin</u> #VBW 1.0 MHz SG STATUS Plot 7-89. Band Edge Antenna WF7 (802.11ax OFDMA - RU26 Index 0 - Ch. 1)

7.5.2 Antenna WF7 Conducted Emissions at the Band Edge



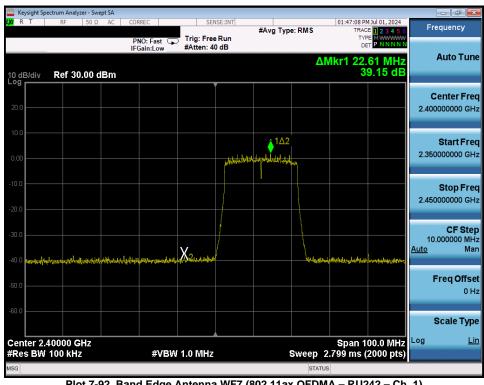
Plot 7-90. Band Edge Antenna WF7 (802.11ax OFDMA – RU26 Index 8 – Ch. 11)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 76 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 76 of 159
			V 10.6 10/27/2023



	pectrum Analyzer -									- P	
<mark>X/</mark> RT	RF 50	Ω AC	CORREC		e Run	#Avg Typ	e:RMS	TRAC	M Jul 01, 2024 E 1 2 3 4 5 6 E M WWWWW	Frequency	У
	_		IFGain:Low	#Atten: 4	0 dB					Auto T	Tur
10 dB/div	Ref 30.00) dBm					ΔΝ	/kr1 -41. 4	27 MHz 6.21 dB	Adio I	
										Center	Fre
20.0										2.483500000	
10.0				<u></u> ∆1∆2							
10.0				r h						Start	
0.00										2.433500000) GH
-10.0			the state of the s	1							
-10.0										Stop I 2.533500000	
-20.0										2.0000000	JGI
-30.0										CFS	Ste
-30.0										10.000000 Auto	M (Ma
40.0	wayahaa diriyaa aha	when		make	Wardawalda	Lase from the design of the	and had a start		penalamilapinel		
50.0										Freq O	ffs
-50.0											0 H
-60.0											
										Scale 1	Тур
	.48350 GHz							Span 1	00.0 MHz	Log	L
	/ 100 kHz		#VBV	/ 1.0 MHz				2.799 ms (2000 pts)		
G							STATU	15			

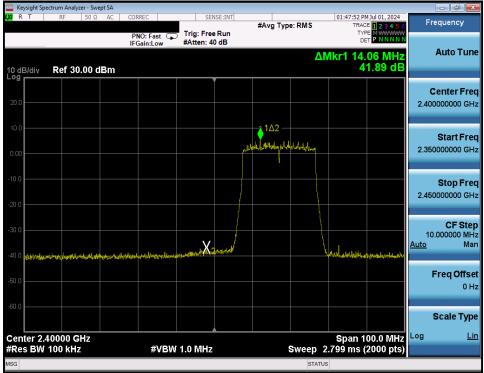
Plot 7-91. Band Edge Antenna WF7 (802.11ax OFDMA - RU26 Index 8 - Ch. 12)



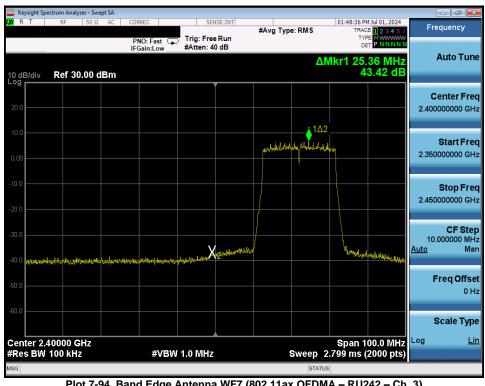
Plot 7-92. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 1)

FCC ID: BCGA2993 IC: 579C-A2993	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 77 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 77 of 159





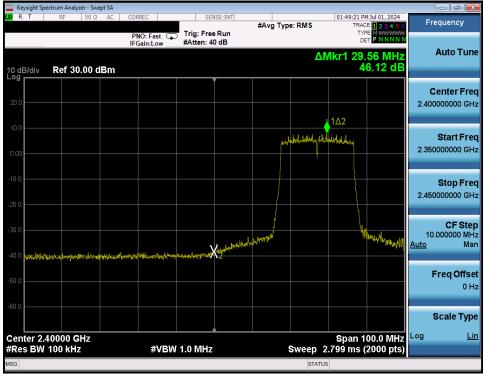
Plot 7-93. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 2)



Plot 7-94. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 3)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dana 70 af 450	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 78 of 159	
			V 10.6 10/27/2023	





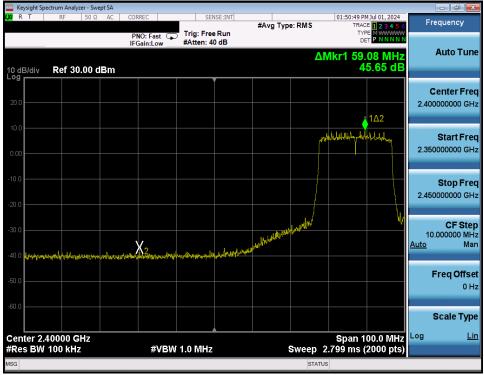
Plot 7-95. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 4)



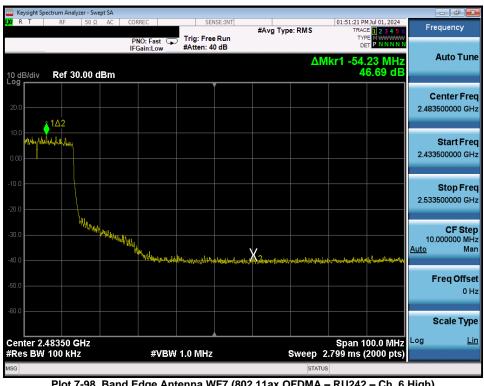
Plot 7-96. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 5)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 70 of 450	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 79 of 159	
		•	V 10.6 10/27/2023	





Plot 7-97. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 6 Low)



Plot 7-98. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 6 High)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dana 00 at 450
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 80 of 159
			V 10.6 10/27/2023



	pectrum Analyzer - S										- 6 ×
<mark>X/</mark> RT	RF 50	Ω ΑC (CORREC			#Avg Typ	e: RMS	TRAC	M Jul 01, 2024 CE 1 2 3 4 5 6 PE M 4444444	Fre	equency
	_		PNO: Fast G	#Atten: 4							
10 dB/div Log	Ref 30.00	dBm					ΔΜ	kr1 -84. 4	.99 MHz 6.20 dB		Auto Tune
										с	enter Frec
20.0										2.483	500000 GH:
10.0	<u>∲</u> 1∆2										
0.00	weingenterterterter										Start Free 500000 GHz
0.00											
-10.0											Stop Free
-20.0		\ \								2.533	500000 GHz
		\									CF Step
-30.0		The Contraction	wald with the second							10. <u>Auto</u>	000000 MH: Mar
-40.0			- multurelland	epirment with the	han an a	htteren hande	a destruction	manification	4mm Xan		Mai
-50.0										F	req Offse
											0 H:
-60.0										5	Scale Type
	40050 011-							0			Lir
	.48350 GHz / 100 kHz		#VBW	/ 1.0 MHz			Sweep 2	Span 1 .799 m <u>s (</u>	00.0 MHz 2000 pts)	209	
MSG							STATUS				

Plot 7-99. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 7)



FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 91 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 81 of 159
102100200011 01111.000	0/20/2021 1/01/2021		V 10 6 10/27/202



	ectrum Analyzer - S									
XIRT	RF 50	Ω AC	PNO: Fast	Trig: Free		#Avg Typ	e: RMS	TRAC	M Jul 01, 2024 CE 1 2 3 4 5 6 DE M WWWWW T P N N N N N	Frequency
10 dB/div	Ref 30.00		IFGain:Low	#Atten: 40	dB		ΔΜ	kr1 -58.	83 MHz 4.73 dB	Auto Tu
20.0		1∆2								Center Fr 2.483500000 G
0.00	pily Ball Inderticity		4.							Start Fr 2.433500000 G
20.0										Stop Fr 2.533500000 G
30.0 •••••••••••••••••••••••••••••••••••	J		Whythelight	Wig-Vine to and your queen	urs-tall that for	n and the second second	And the second	Rimonalist	tingt the second states	CF Sto 10.000000 M <u>Auto</u> M
50.0										Freq Offs 0
00.0										Scale Ty
Center 2.4 Res BW	48350 GHz 100 kHz		#VBN	/ 1.0 MHz			Sweep 2	Span 1 .799 ms (00.0 MHz 2000 pts)	Log <u>l</u>
ISG							STATUS			

Plot 7-101. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 9)



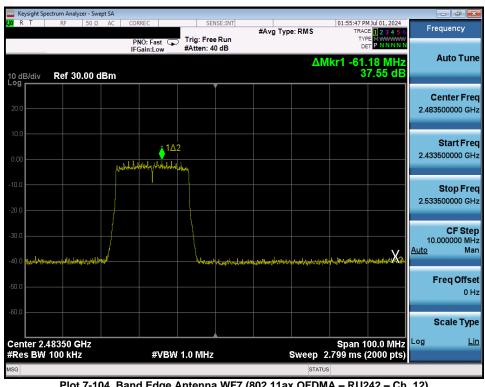
Plot 7-102. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 10)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 82 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 82 of 159
			V 10 6 10/27/2022



	pectrum Analyzer - S									-	
<mark>X/</mark> RT	RF 50	Ω AC	CORREC		NSE:INT	#Avg Typ	e: RMS	TRAC	M Jul 01, 2024 E 1 2 3 4 5 6	Freq	uency
			PNO: Fast IFGain:Low	Trig: Free #Atten: 4				TYF			
							ΔM	kr1 -61.	08 MHz	A	uto Tune
10 dB/div Log	Ref 30.00	dBm						3	9.80 dB		
					Ĭ					Ce	nter Frec
20.0											00000 GH:
10.0			1∆2							S	tart Fred
0.00		Multitute									00000 GHz
		Au I Concerne	and a successive field								
-10.0										S	top Fred
		[00000 GHz
-20.0											
-30.0										40.00	CF Step
									v	Auto	Mar
-40.0 Maysha	he liter can all follows			and the state of t	harlandrohonom	nnh Willenspelware	paper si natut lade	lay and an add	an Mariatrators		
-50.0										Fre	eq Offse
-30.0											0 Hz
-60.0											
										So	ale Type
Center 2	.48350 GHz				A			Span 1	00.0 MHz	Log	Lir
	100 kHz		#VBW	/ 1.0 MHz			Sweep 2	.799 ms (2000 pts)		
MSG							STATUS				

Plot 7-103. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 11)



Plot 7-104. Band Edge Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 12)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 82 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 83 of 159
102403200011 04 1(1:B00	3/20/2024 1/01/2024	Tablet Device	V 10 6 10/27/20



7.6 Conducted Spurious Emissions

§15.247(d); RSS-247 [5.5]

Test Overview and Limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates, tone configurations, and RU indices were investigated to determine the worst case configuration. For the following out of band conducted emissions plots, the EUT was set to a data rate of MCS9 in 802.11ax-RU mode as this setting produced the worst-case emissions.

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Subclause 11.11 of ANSI C63.10-2020 and KDB 558074 D01 v05r02.

Test Procedure Used

ANSI C63.10-2020 – Subclause 11.11.3 KDB 558074 D01 v05r02 – Section 8.5 ANSI C63.10-2020 – Subclause 14.5.3 KDB 662911 D01 v02r01 – Section E)3)b)

Test Settings

- 1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep time = auto couple
- 7. The trace was allowed to stabilize

Test Setup

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



Figure 7-5. Test Instrument & Measurement Setup

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 94 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 84 of 159



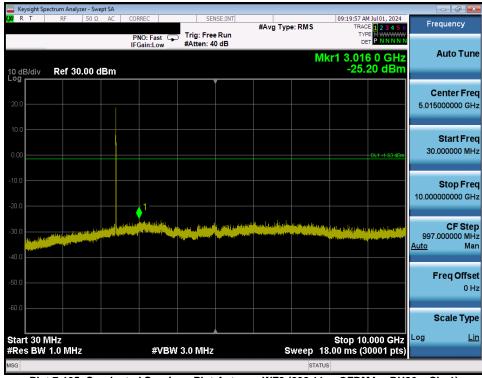
Test Notes

- 1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
- 2. The display line shown in the following plots denotes the limit at 20dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1MHz bandwidth.
- 3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.
- 4. The conducted spurious emissions were measured to relative limits. Therefore, in accordance with ANSI C63.10-2020 and KDB 662911 D01 v02r01 Section E)3)b), it was unnecessary to show compliance through the summation of test results of the individual outputs.
- 5. All antenna configurations and data rates were investigated and only the worst case are reported.
- 6. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's are reported.

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 85 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 85 of 159
	•	•	V 10 6 10/27/2023



Antenna WF8



Plot 7-105. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU26 - Ch. 1)



Plot 7-106. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU26 - Ch. 1)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 96 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 86 of 159
	•		V 10.6 10/27/2023



	sight Spectro												- 6 🗾
l xi R	T	RF	50 Ω	AC	CORR	EC		ee Run	#Avg Typ	e: RMS	TRA	AM Jul 01, 2024 ACE 1 2 3 4 5 6 YPE M WWWWWW DET P N N N N N	Frequency
10 dB Log r	/div	Ref 30	.00 dl	Зm	IFGa	in:Low	#Atten:	40 dB			Mkr1 3.15	-	Auto Tun
20.0 -													Center Fre 5.015000000 GH
10.0 0.00												DL1 0.01 dBm	Start Fre 30.000000 MH
-10.0 -						1							Stop Fre 10.000000000 G⊦
b.	Harristan barlat	Tille Higericking	inter (Ciller Inter (Ciller				na ligitat _{en a} dilati Manalangan kanadata		an a	a and a set of the		lan karapatan barat daram b	CF Ste 997.000000 M⊢ <u>Auto</u> Ma
-40.0 -													Freq Offse 0 ⊦
-60.0													Scale Typ
	30 MH BW 1.		-			#VB	N 3.0 MH	z	s	weep	Stop 1 18.00 ms (0.000 GHz 30001 pts)	
/ISG										ST/	ATUS		

Plot 7-107. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA – RU26 – Ch. 6)



Plot 7-108. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU26 - Ch. 6)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dana 07 at 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 87 of 159
			V 10.6 10/27/2023



		Analyzer - Sw										- đ	×
X /RT	R	F 50 Ω	AC	CORRI PNC	EC D: Fast 🔾	Trig: Free		#Avg Typ	e: RMS	TI	AM Jul 01, 2024 RACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN	Frequency	
10 dB/di Log —	iv Re	ef 30.00 (dBm		in:Low	#Atten: 4	0 dB			Mkr1 3.2	77 2 GHz 5.79 dBm	Auto Ti	une
20.0												Center F 5.015000000	
0.00											DL1 -0.58 dBm	Start F 30.000000 I	
-10.0					1							Stop F 10.000000000	
			demler Marine					al forest a start of the second s	and parts		allen tal ny arts filaso fini	CF S 997.000000 I <u>Auto</u>	ste M⊦ Ma
40.0												Freq Off	fs 0⊦
-60.0	O BALL									01		Scale Ty	ур <u>L</u> і
Start 3 #Res B		MHz			#VBW	3.0 MHz		s	weep	Stop 18.00 ms	10.000 GHz (30001 pts)	-	-
ISG									ST	ATUS			

Plot 7-109. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA – RU26 – Ch. 11)



Plot 7-110. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU26 - Ch. 11)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dara 00 st 450
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 88 of 159
			V 10.6 10/27/2023



		nalyzer - Swe										5- X
XI RT	RF	50 Ω	AC	CORREC	c Fast 🕟		#Avg Typ	e: RMS	TRAC	M Jul 01, 2024 CE 1 2 3 4 5 6 PE M WWWWW ET P N N N N N	Frequen	су
10 dB/div	Ref	30.00 d	Bm	IFGair		#Atten: 4		M	kr1 3.54		Auto	Tune
20.0											Center 5.01500000	
0.00											Start 30.00000	
-10.0					1					DL1 -8.02 dBm	Stop 10.00000000	
(and the second s	Harris (12)	an a					, parte de la constant L'ante de la Calendaria		Arten Detroverskopplaterensku Maritika og sentenska andre og	L langet Denne Marth	CF 997.00000 <u>Auto</u>	Ste 0 M⊢ Ma
-40.0											Freq	Offs 0⊦
-60.0	5411-								Otor 10		Scale	Тур
Start 30 #Res BV		IHz			#VBW	3.0 MHz	s	weep 1	8.00 ms (3	.000 GHz 30001 pts)		-
ISG								STAT	US			

Plot 7-111. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 1)



Plot 7-112. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 1)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dara 00 at 450
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 89 of 159
			V 10.6 10/27/2023



		Analyzer - Sw										
XIRT	RF	<u>50 Ω</u>	AC	CORR	EC		Run	#Avg Typ	e: RMS	Т	1 AM Jul 01, 2024 RACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N	Frequency
10 dB/div Log	v Ref	f 30.00 (dBm		in:Low	#Atten: 4	0 dB			Mkr1 3.3	673 6 GHz 4.66 dBm	Auto Tun
20.0												Center Fre 5.015000000 G⊦
0.00											DL1 -1.70 dBm	Start Fre 30.000000 M⊦
20.0					1							Stop Fre 10.000000000 GH
30.0				Ang palayana an Ang palayana ang sa		fregenske politikeret Nationalise statisteret	n an the constant The second se	al hay a part of the last I have a second second	, spinister of the state of the		Hanna an the second	CF Ste 997.000000 Mi <u>Auto</u> Ma
40.0												Freq Offs
60.0												Scale Typ
Start 30 #Res B	0 MHz W 1.0 M	/IHz			#VBW	3.0 MHz		s	weep	Stop 18.00 ms	10.000 GHz (30001 pts)	
SG									ST	ATUS		

Plot 7-113. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 6)



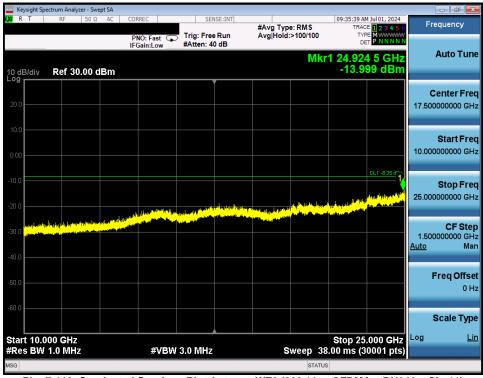
Plot 7-114. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 6)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 00 af 450
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		n Analyzer - Sw										
<mark>XI</mark> R	T F	F 50 Ω	AC	CORREC PNO:	Fast 🕟	Trig: Free		#Avg Typ	e: RMS	TR/	AM Jul 01, 2024 ACE 1 2 3 4 5 6 YPE M WARANA DET P N N N N N	Frequency
10 dB/ Log –	div Re	ef 30.00 d	dBm	IFGain		#Atten: 4	0 dB		ľ	Mkr1 3.65	54 4 GHz .54 dBm	Auto Tun
20.0 -												Center Fre 5.015000000 GH
10.0 -												Start Fre 30.000000 M⊦
-10.0 -					1-						DL1 -8.35 dBm	Stop Fre 10.000000000 G⊦
4			and the second	delara de la de Delara de la desa			logge been growthe Date Dage been growthe Date	l (disponentiality) (proved na disponentiality) (provedna second	fallfin hogy Thistophic		ann an Sallan geannach Ang Ìr. Tagairte an Islanda an Sannaise A	CF Ste 997.000000 MH Auto Ma
40.0												Freq Offs
60.0	00 B414											Scale Typ
	30 MHz BW 1.0	MHz			#VBW	3.0 MHz		S	weep	Stop 1 18.00 ms (0.000 GHz 30001 pts)	
ISG									STA	TUS		

Plot 7-115. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA – RU242 – Ch. 11)

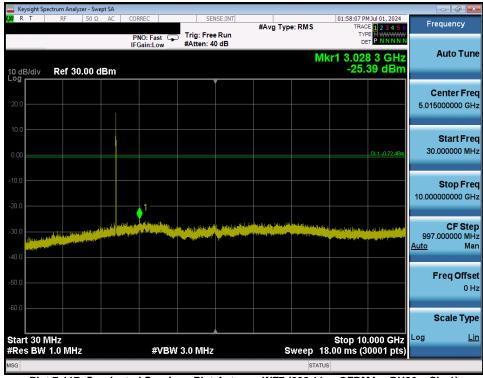


Plot 7-116. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 11)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	
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Antenna WF7



Plot 7-117. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU26 - Ch. 1)



Plot 7-118. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU26 - Ch. 1)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 02 of 150
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	sight Spect			pt SA												
l <mark>xi</mark> R	T	RF	50 Ω	AC		0: Fast		Trig: Free		#Avg Typ	e:RMS	02:0	TRACI	I Jul 01, 2024 1 2 3 4 5 6 E M WWWWW T P NNNNN	F	requency
10 dE Log	3/div	Ref 3	0.00 d	Bm	IFG	ain:Low		#Atten: 4	0 dB			Mkr1 3	.148	9 GHz 02 dBm		Auto Tune
20.0																Center Fre 5000000 GH
10.0 0.00														DL1 -0.64 dBm	3(Start Fre 0.000000 MH
-10.0						<u> </u>									10.00	Stop Fre 0000000 GH
-30.0	and hand	an a	rate of the States			an a				pikin in a film an film an film getter the annual state of the			pilon Para Manaka Mana	ng ng Astropagna (ng Pangalan) ng Pangalang ng Pang ng Pangalang ng Pang	99' <u>Auto</u>	CF Ste 7.000000 M⊢ Ma
-50.0																FreqOffs 0⊦
-60.0	t 30 MI	H7										Sto	n 10	000 GHz	Log	Scale Typ
	s BW 1		z			#VE	BW 3	.0 MHz		s	weep	18.00 n	ns (3	000 GH2 0001 pts)		
/ISG											ST	ATUS				

Plot 7-119. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA – RU26 – Ch. 6)



Plot 7-120. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU26 - Ch. 6)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dana 00 at 450
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Plot 7-121. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA – RU26 – Ch. 11)



Plot 7-122. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU26 - Ch. 11)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 04 af 450
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	ht Spectrum	n Analyzer	- Swep	t SA										x
ixi r T	R	KF 5	50 Ω	AC	CORRE	EC	Trig: Free		#Avg Typ	e: RMS	TRA	M Jul 01, 2024 CE 1 2 3 4 5 6 PE M WWWWW ET P N N N N N	Frequency	
10 dB/di	iv Re	ef 30.0	10 dE	3m	IFGa	in:Low	#Atten: 4	0 dB		N	lkr1 3.14		Auto Tu	une
20.0													Center Fi 5.015000000 G	
0.00													Start Fr 30.000000 N	
-10.0						.1						DL1 -8.58 dBm	Stop Fr 10.000000000 G	
Bash		an a						appendigue finde	dis patropis, sudani pin Matingan patropis di		in an the second se		CF St 997.000000 M <u>Auto</u> M	
40.0 — 50.0 —													Freq Off 0	fs D H
60.0	0 MHz										Stop 4).000 GHz	Scale Ty	yr L
#Res B	3W 1.0					#VBW	3.0 MHz		s		18.00 ms (3	30001 pts)		
ISG										STAT	US			

Plot 7-123. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 1)



Plot 7-124. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 1)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	
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	ght Spectru												- 6 2
<mark>X/</mark> RT		RF	50 Ω	AC	CORRE	:C		NSE:INT	#Avg Typ	e: RMS	TI	1 PM Jul 01, 2024 RACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N	Frequency
10 dB/d Log	div R	ef 30.	00 dE	Зm		in:Low	#Atten: 4	0 dB			Mkr1 3.2	36 7 GHz 4.14 dBm	Auto Tun
20.0													Center Fre 5.015000000 GH
10.0 0.00												DL1 1-22 dBm	Start Fre 30.000000 M⊦
10.0						<u>1</u>							Stop Fre 10.000000000 GH
30.0					raperti vi				and the state of the	ntha ligtuage Intelling allow		an a	CF Ste 997.000000 MH <u>Auto</u> Ma
40.0 — 50.0 —													Freq Offs 0 F
60.0													Scale Typ
	30 MHz BW 1.0					#VBW	/ 3.0 MHz		s	weep	Stop 18.00 ms	10.000 GHz (30001 pts)	
SG										ST/	ATUS		

Plot 7-125. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 6)



Plot 7-126. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 6)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 00 at 450
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		Analyzer - Sw										
XIR T	RF	50 Ω	AC	CORRE	EC	Trig: Free		#Avg Typ	e: RMS	TF	3 PM Jul 01, 2024 RACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Frequency
10 dB/div	v Rei	f 30.00 (dBm		in:Low	#Atten: 4	0 dB			Mkr1 3.1	51 6 GHz 5.08 dBm	Auto Tun
20.0												Center Fre 5.015000000 GH
0.00												Start Fre 30.000000 M⊦
20.0					x1						DL1 -8.37 dBm	Stop Fre 10.000000000 G⊦
30.0 	an tan an a	and the second	an Andra A ge le serve					e Balangeryne (mar di af troch egninger (mar di	A DEPARTMENT	la fait de constitues de la constitue de la cons	te (see) a const (const (¹ 1)) d'a mute processiones (a const	CF Ste 997.000000 Mi <u>Auto</u> Ma
40.0 50.0												Freq Offs 01
60.0												Scale Typ
Start 30 #Res B		∀IHz			#VBW	3.0 MHz		s	weep	Stop / 18.00 ms	10.000 GHz (30001 pts)	
ISG									ST/	ATUS		

Plot 7-127. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA – RU242 – Ch. 11)



Plot 7-128. Conducted Spurious Plot Antenna WF7 (802.11ax OFDMA – RU242 – Ch. 11)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.7 Radiated Spurious Emissions – Above 1 GHz

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-24 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]				
Above 960.0 MHz	500	3				

Table 7-24. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Subclause 6.6.4.3 KDB 558074 D01 v05r02 – Sections 8.6, 8.7

Test Settings

Average Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = power average (RMS)
- 5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
- 6. Sweep time = auto
- 7. Trace (RMS) averaging was performed over at least 100 traces

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

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Test Setup

Lumtable 8. styrofoam block

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

Figure 7-6. Radiated Measurement Setup

Test Notes

- The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All Radiated Spurious Emissions levels were measured in a radiated test setup.
- 2. All emissions lying in restricted bands specified in Section 15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-24.
- 3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
- 4. This unit was tested with its standard battery.
- The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
- 6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
- 8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9. All data rates were investigated and only the worst case is reported.
- 10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

FCC ID: BCGA2993 IC: 579C-A2993	element 🕞	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
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Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level $[dB\mu V/m]$ Limit $[dB\mu V/m]$

Radiated Band Edge Measurement Offset

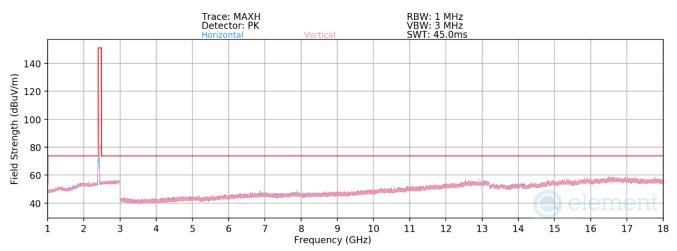
The amplitude offset shown in the radiated restricted band edge plots in Sections 7.7.4, 7.7.5, and
 7.7.6 was calculated using the formula:

Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) - Preamplifier Gain

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7.7.1 Antenna WF8 Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]





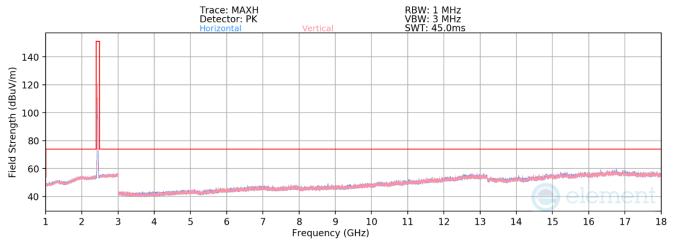
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4824.00	Avg	V	-	-	-80.07	6.98	33.91	53.98	-20.07
4824.00	Peak	V	-	-	-68.73	6.98	45.25	73.98	-28.73
12060.00	Avg	V	-	-	-84.24	18.95	41.71	53.98	-12.27
12060.00	Peak	V	-	-	-73.34	18.95	52.61	73.98	-21.37

Table 7-25. Radiated Spurious Emission Measurements Antenna WF8 (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 101 of 150
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Plot 7-130. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax OFDMA - RU26 - Ch. 6)

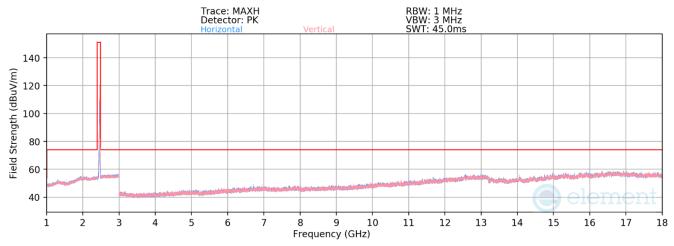
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4874.00	Avg	V	-	-	-80.37	7.28	33.91	53.98	-20.07
4874.00	Peak	V	-	-	-69.00	7.28	45.28	73.98	-28.70
7311.00	Avg	V	-	-	-81.91	10.88	35.97	53.98	-18.01
7311.00	Peak	V	-	-	-70.59	10.88	47.29	73.98	-26.69
12185.00	Avg	V	-	-	-83.61	18.64	42.03	53.98	-11.95
12185.00	Peak	V	-	-	-72.62	18.64	53.02	73.98	-20.96

Table 7-26. Radiated Spurious Emission Measurements Antenna WF8 (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element	element MEASUREMENT REPORT (CERTIFICATION)		
Test Report S/N:	Test Dates:	EUT Type:	Dage 102 of 150	
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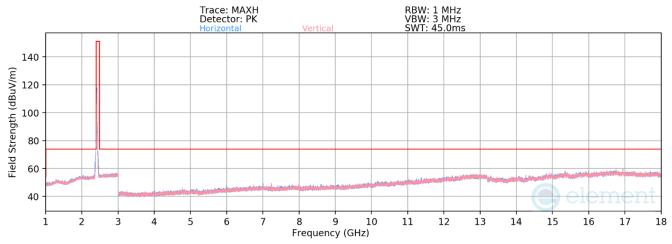
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Avg	V	-	-	-80.45	7.16	33.71	53.98	-20.27
4924.00	Peak	V	-	-	-69.06	7.16	45.10	73.98	-28.88
7386.00	Avg	V	-	-	-81.57	10.79	36.22	53.98	-17.76
7386.00	Peak	V	-	-	-70.44	10.79	47.35	73.98	-26.63
12310.00	Avg	V	-	-	-83.94	18.89	41.95	53.98	-12.03
12310.00	Peak	V	-	-	-72.71	18.89	53.18	73.98	-20.80

Table 7-27. Radiated Spurious Emission Measurements Antenna WF8 (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 102 of 150	
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Plot 7-132. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 1)

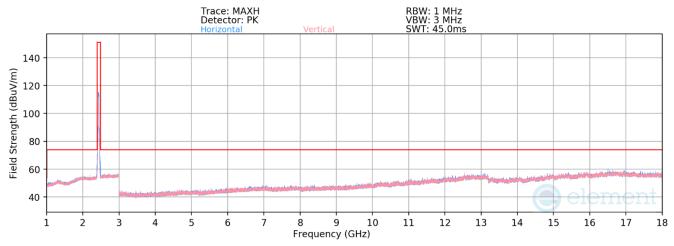
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4824.00	Avg	V	-	-	-79.90	6.98	34.08	53.98	-19.90
4824.00	Peak	V	-	-	-68.30	6.98	45.68	73.98	-28.30
12060.00	Avg	V	-	-	-83.96	18.95	41.99	53.98	-11.99
12060.00	Peak	V	-	-	-73.17	18.95	52.78	73.98	-21.20

Table 7-28. Radiated Spurious Emission Measurements Antenna WF8 (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 104 of 150
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Plot 7-133. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 6)

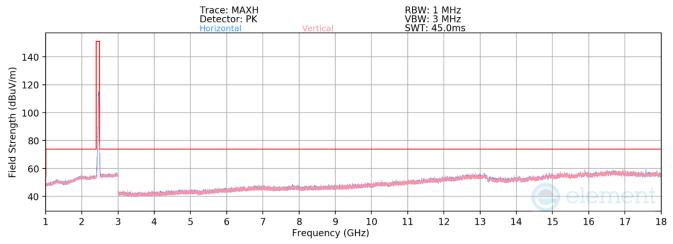
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4874.00	Avg	V	-	-	-80.24	7.28	34.04	53.98	-19.94
4874.00	Peak	V	-	-	-69.00	7.28	45.28	73.98	-28.70
7311.00	Avg	V	-	-	-81.92	10.88	35.96	53.98	-18.02
7311.00	Peak	V	-	-	-71.00	10.88	46.88	73.98	-27.10
12185.00	Avg	V	-	-	-83.64	18.64	42.00	53.98	-11.98
12185.00	Peak	V	-	-	-73.03	18.64	52.61	73.98	-21.37

Table 7-29. Radiated Spurious Emission Measurements Antenna WF8 (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element	element MEASUREMENT REPORT (CERTIFICATION)		
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Plot 7-134. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 11)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11
Channel:	11

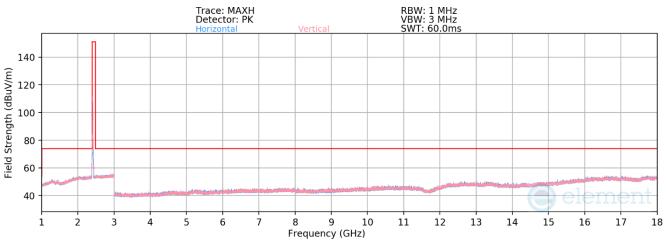
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Avg	V	-	-	-80.31	7.16	33.85	53.98	-20.13
4924.00	Peak	V	-	-	-68.44	7.16	45.72	73.98	-28.26
7386.00	Avg	V	-	-	-81.67	10.79	36.12	53.98	-17.86
7386.00	Peak	V	-	-	-70.67	10.79	47.12	73.98	-26.86
12310.00	Avg	V	-	-	-84.00	18.89	41.89	53.98	-12.09
12310.00	Peak	V	-	-	-72.99	18.89	52.90	73.98	-21.08

 Table 7-30. Radiated Spurious Emission Measurements Antenna WF8 (RU242)

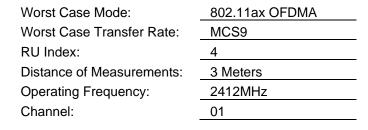
FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 100 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 106 of 159
			V 10.6 10/27/2023



7.7.2 Antenna WF7 Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-135. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax OFDMA - RU26 - Ch. 1)

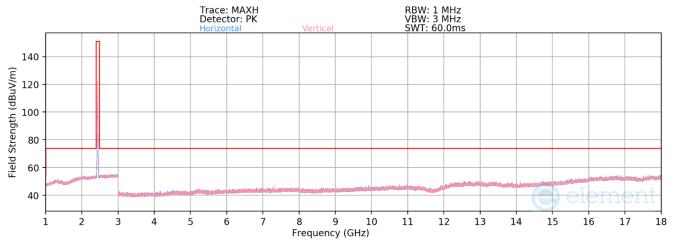


Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4824.00	Avg	V	-	-	-70.38	6.98	43.60	53.98	-10.38
4824.00	Peak	V	-	-	-70.14	6.98	43.84	73.98	-30.14
12060.00	Avg	V	-	-	-89.56	18.95	36.39	53.98	-17.59
12060.00	Peak	V	-	-	-78.31	18.95	47.64	73.98	-26.34

Table 7-31. Radiated Spurious Emission Measurements Antenna WF7 (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element 🕞	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 107 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 107 of 159
			V 10 6 10/27/2023





Plot 7-136. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax OFDMA - RU26 - Ch. 6)

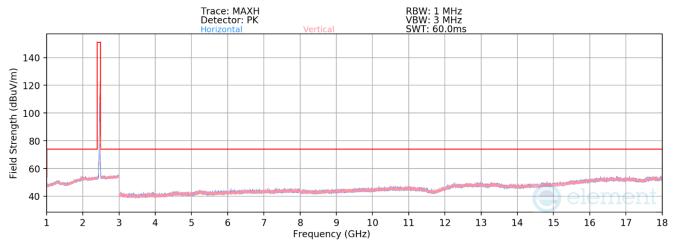
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4874.00	Avg	V	-	-	-82.08	7.28	32.20	53.98	-21.78
4874.00	Peak	V	-	-	-69.78	7.28	44.50	73.98	-29.48
7311.00	Avg	V	-	-	-83.69	10.88	34.19	53.98	-19.79
7311.00	Peak	V	-	-	-72.33	10.88	45.55	73.98	-28.43
12185.00	Avg	V	-	-	-88.30	18.64	37.34	53.98	-16.64
12185.00	Peak	V	-	-	-76.91	18.64	48.73	73.98	-25.25

Table 7-32. Radiated Spurious Emission Measurements Antenna WF7 (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 109 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 108 of 159
			V 10 6 10/27/2023







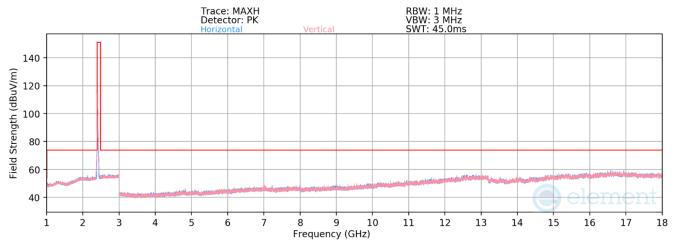
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Avg	V	-	-	-82.02	7.16	32.14	53.98	-21.84
4924.00	Peak	V	-	-	-70.39	7.16	43.77	73.98	-30.21
7386.00	Avg	V	-	-	-84.25	10.79	33.54	53.98	-20.44
7386.00	Peak	V	-	-	-72.75	10.79	45.04	73.98	-28.94
12310.00	Avg	V	-	-	-88.60	18.89	37.29	53.98	-16.69
12310.00	Peak	V	-	-	-76.80	18.89	49.09	73.98	-24.89

Table 7-33. Radiated Spurious Emission Measurements Antenna WF7 (RU26)

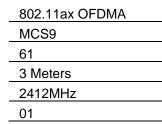
FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 400 of 450	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 109 of 159	
	•	-	V 10.6 10/27/2023	







Worst Case Mode: Worst Case Transfer Rate: RU Index: Distance of Measurements: Operating Frequency: Channel:

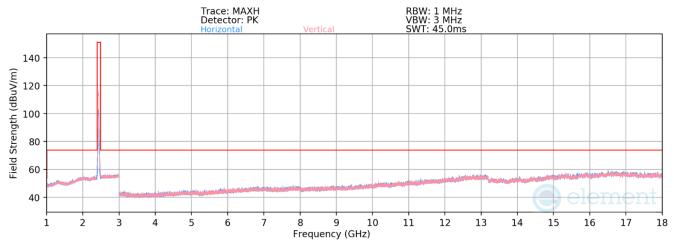


Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4824.00	Avg	V	-	-	-79.80	6.98	34.18	53.98	-19.80
4824.00	Peak	V	-	-	-68.59	6.98	45.39	73.98	-28.59
12060.00	Avg	V	-	-	-84.15	18.95	41.80	53.98	-12.18
12060.00	Peak	V	-	-	-72.79	18.95	53.16	73.98	-20.82

Table 7-34. Radiated Spurious Emission Measurements Antenna WF7 (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element	element MEASUREMENT REPORT (CERTIFICATION)		
Test Report S/N:	Test Dates:	EUT Type:	Dage 110 of 150	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 110 of 159	
		·	V 10.6 10/27/2023	





Plot 7-139. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 6)

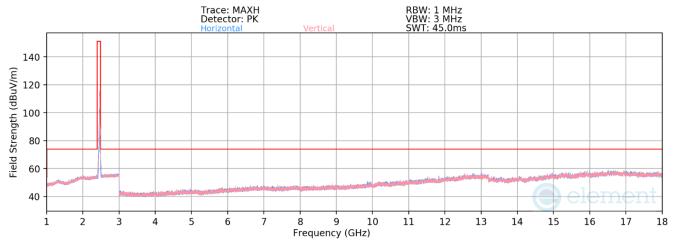
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4874.00	Avg	V	-	-	-80.31	7.28	33.97	53.98	-20.01
4874.00	Peak	V	-	-	-69.06	7.28	45.22	73.98	-28.76
7311.00	Avg	V	-	-	-81.77	10.88	36.11	53.98	-17.87
7311.00	Peak	V	-	-	-70.74	10.88	47.14	73.98	-26.84
12185.00	Avg	V	-	-	-83.66	18.64	41.98	53.98	-12.00
12185.00	Peak	V	-	-	-72.30	18.64	53.34	73.98	-20.64

Table 7-35. Radiated Spurious Emission Measurements Antenna WF7 (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 111 of 150	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 111 of 159	
			V 10 6 10/27/2023	





Plot 7-140. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax OFDMA - RU242 - Ch. 11)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

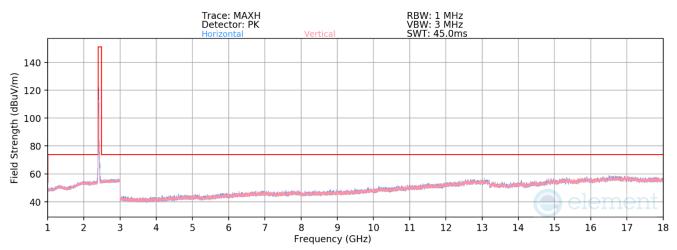
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Avg	V	-	-	-80.53	7.16	33.63	53.98	-20.35
4924.00	Peak	V	-	-	-68.99	7.16	45.17	73.98	-28.81
7386.00	Avg	V	-	-	-81.75	10.79	36.04	53.98	-17.94
7386.00	Peak	V	-	-	-70.81	10.79	46.98	73.98	-27.00
12310.00	Avg	V	-	-	-83.98	18.89	41.91	53.98	-12.07
12310.00	Peak	V	-	-	-72.95	18.89	52.94	73.98	-21.04

 Table 7-36. Radiated Spurious Emission Measurements Antenna WF7 (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 112 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 112 of 159
			V 10.6 10/27/2023



7.7.3 CDD Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]





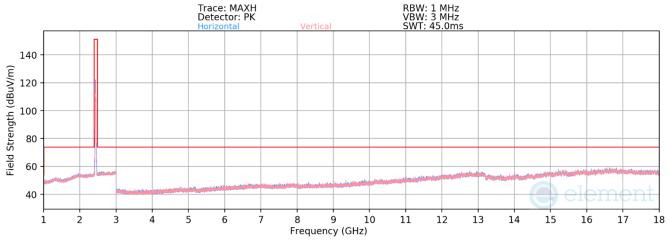
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4824.00	Avg	V	-	-	-80.24	6.98	33.74	53.98	-20.24
4824.00	Peak	V	-	-	-68.59	6.98	45.39	73.98	-28.59
12060.00	Avg	V	-	-	-84.06	18.95	41.89	53.98	-12.09
12060.00	Peak	V	-	-	-73.34	18.95	52.61	73.98	-21.37

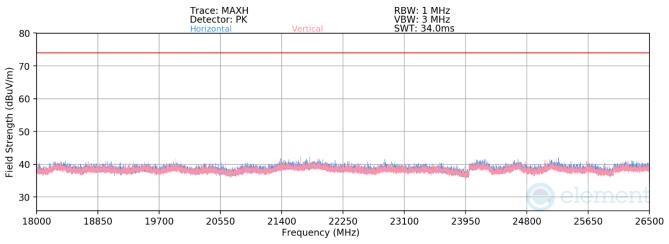
Table 7-37. Radiated Spurious Emission Measurements CDD (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 112 of 150	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 113 of 159	
			V 10 6 10/27/2023	









Plot 7-143. Radiated Spurious Emissions above 18GHz CDD (802.11ax OFDMA - RU26 - Ch. 6)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 114 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 114 of 159
		·	V 10.6 10/27/2023



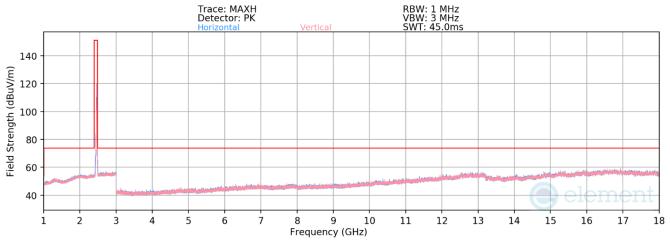
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4874.00	Avg	V	-	-	-80.48	7.28	33.80	53.98	-20.18
4874.00	Peak	V	-	-	-69.63	7.28	44.65	73.98	-29.33
7311.00	Avg	V	-	-	-82.00	10.88	35.88	53.98	-18.10
7311.00	Peak	V	-	-	-70.95	10.88	46.93	73.98	-27.05
12185.00	Avg	V	-	-	-83.83	18.64	41.81	53.98	-12.17
12185.00	Peak	V	-	-	-72.93	18.64	52.71	73.98	-21.27

Table 7-38. Radiated Spurious Emission Measurements CDD (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 115 of 159
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	1 age 115 01 155
			V 10 6 10/07/0000







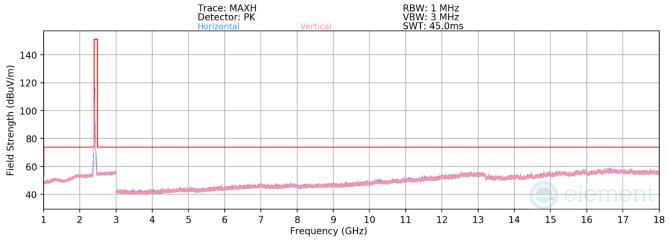
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Avg	V	-	-	-80.62	7.16	33.54	53.98	-20.44
4924.00	Peak	V	-	-	-69.14	7.16	45.02	73.98	-28.96
7386.00	Avg	V	-	-	-81.49	10.79	36.30	53.98	-17.68
7386.00	Peak	V	-	-	-70.63	10.79	47.16	73.98	-26.82
12310.00	Avg	V	-	-	-83.58	18.89	42.31	53.98	-11.67
12310.00	Peak	V	-	-	-71.85	18.89	54.04	73.98	-19.94

Table 7-39. Radiated Spurious Emission Measurements CDD (RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 110 of 150	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 116 of 159	
			V 10 6 10/27/2023	







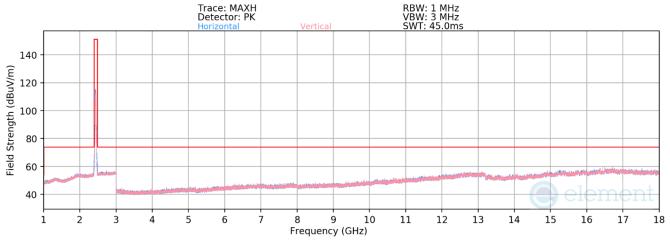
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

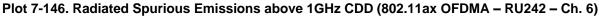
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4824.00	Avg	V	-	-	-79.91	6.98	34.07	53.98	-19.91
4824.00	Peak	V	-	-	-69.06	6.98	44.92	73.98	-29.06
12060.00	Avg	V	-	-	-84.23	18.95	41.72	53.98	-12.26
12060.00	Peak	V	-	-	-72.24	18.95	53.71	73.98	-20.27

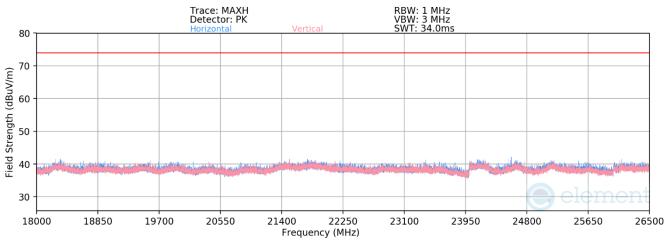
Table 7-40. Radiated Spurious Emission Measurements CDD (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 117 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 117 of 159
		·	V 10.6 10/27/2023









Plot 7-147. Radiated Spurious Emissions above 18GHz CDD (802.11ax OFDMA - RU242 - Ch. 6)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 440 af 450	
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 118 of 159	
			V 10.6 10/27/2023	



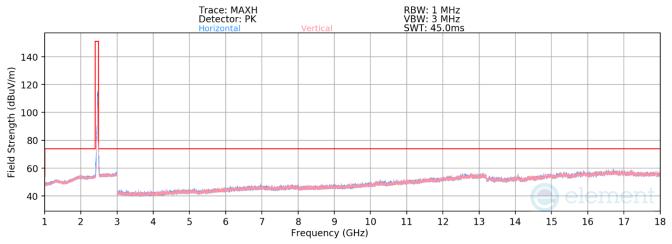
Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

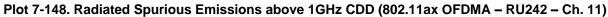
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4874.00	Avg	V	-	-	-80.40	7.28	33.88	53.98	-20.10
4874.00	Peak	V	-	-	-68.83	7.28	45.45	73.98	-28.53
7311.00	Avg	V	-	-	-81.99	10.88	35.89	53.98	-18.09
7311.00	Peak	V	-	-	-70.87	10.88	47.01	73.98	-26.97
12185.00	Avg	V	-	-	-83.71	18.64	41.93	53.98	-12.05
12185.00	Peak	V	-	-	-72.30	18.64	53.34	73.98	-20.64

Table 7-41. Radiated Spurious Emission Measurements CDD (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 119 of 159
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Fage 119 01 159
			V/ 10 6 10/07/2022







Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Avg	V	-	-	-80.46	7.16	33.70	53.98	-20.28
4924.00	Peak	V	-	-	-69.79	7.16	44.37	73.98	-29.61
7386.00	Avg	V	-	-	-81.93	10.79	35.86	53.98	-18.12
7386.00	Peak	V	-	-	-70.90	10.79	46.89	73.98	-27.09
12310.00	Avg	V	-	-	-83.97	18.89	41.92	53.98	-12.06
12310.00	Peak	V	-	-	-71.96	18.89	53.93	73.98	-20.05

Table 7-42. Radiated Spurious Emission Measurements CDD (RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 120 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 120 of 159
			V 10 6 10/27/2023

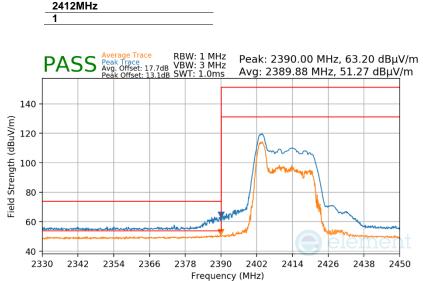


7.7.4 Antenna WF8 Radiated Restricted Band Edge Measurements §15.209; RSS-Gen [8.9]

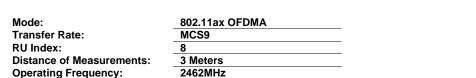
RU26

Channel:

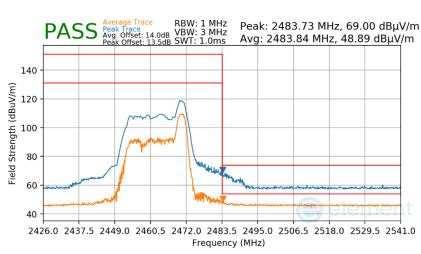
Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-149 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average - RU26)



11

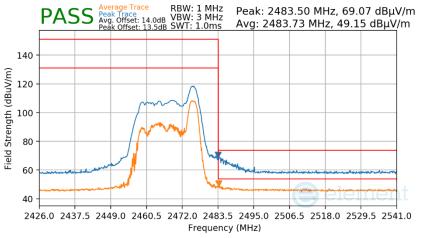


Plot 7-150 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average - RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 121 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 121 of 159
		·	V 10.6 10/27/2023



Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	8
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



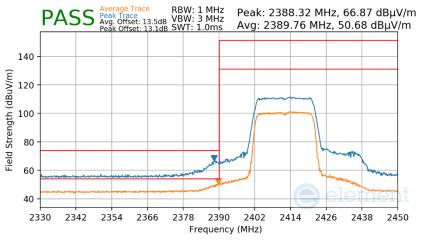
Plot 7-151 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Peak & Average - RU26)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 100 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 122 of 159
	•	·	V 10.6 10/27/2023

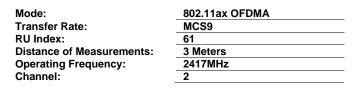


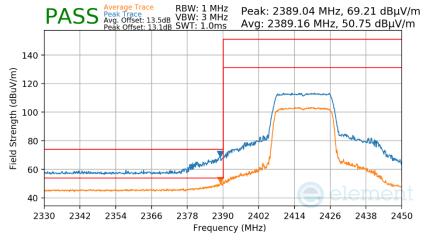
RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-152 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average – RU242)



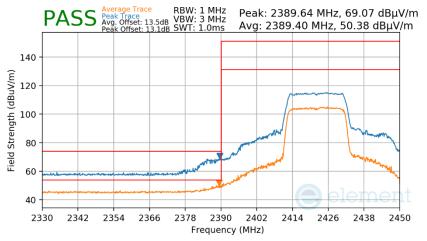


Plot 7-153 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

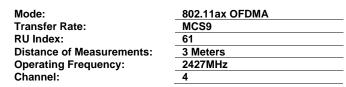
FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 102 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 123 of 159
		·	V 10 6 10/27/2023

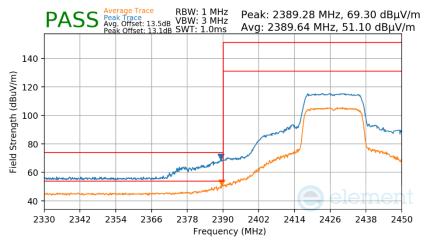


Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2422MHz
Channel:	3



Plot 7-154 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average – RU242)



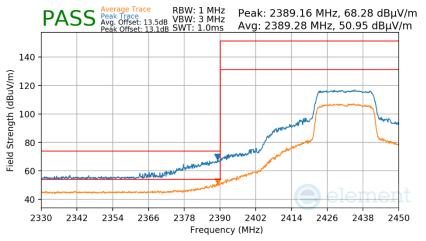


Plot 7-155 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average – RU242)

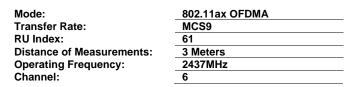
FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 104 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 124 of 159
	•	·	V 10 6 10/27/2023

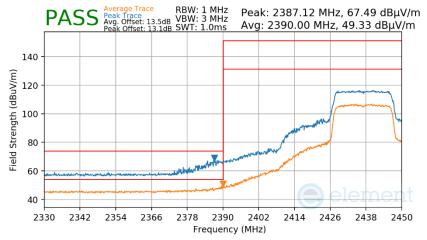


Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2432MHz
Channel:	5



Plot 7-156 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average – RU242)





Plot 7-157 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Peak & Average - RU242)

FCC ID: BCGA2993 IC: 579C-A2993	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 125 of 150
1C2405200017-04-R1.BCG	5/20/2024 - 7/01/2024	Tablet Device	Page 125 of 159
		·	V 10 6 10/27/2023