







Plot 7-490. Band Edge Plot Antenna WF9 (802.11g - Ch. 4) - 24Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 305 of 583	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	1 age 505 61 505	
			V 10.6 09/14/2023	



🔤 Kej	ysight Specti	rum Analyzer - S	wept SA									
L <b>XI</b> R	Т	RF 50 !	Ω DC CO	RREC	SEN	ISE:INT	#Avg Ty	ALIGN AUTO	02:42:25 PI TRAC	M Feb 20, 2024	F	requency
10 di	3/div	Ref 40.00	dBm	NO: Fast ⊂⊾ Gain:Low	#Atten: 4	) dB		ΔМ	lkr1 -48.1 4	10 MHz 7.97 dB		Auto Tune
30.0											2.48	Center Freq 3500000 GHz
20.0 10.0	1∆ 1∆	2									2.44	Start Freq 1000000 GHz
0.00											2.52	Stop Freq 6000000 GHz
-20.0 -30.0		hy holine	YII MAYAJ								<u>Auto</u>	CF Step 8.500000 MHz Man
-40.0			՝ որդնվերուտ	at the second second	สารสารราชประว	ՄԿԴՆոգԱլույնսիս[թ	rey. Xn2oliniztrup	المعيد مريعي المراجع	ylyytul/fyyy <sub>lan</sub> uw-fwl+	๗๚๗๚๚๚		Freq Offset 0 Hz
												Scale Type
Cen #Re	ter 2.48 s BW 1	350 GHz 00 kHz		#VBW	1.0 MHz			Sweep	Span 8 2.333 ms (	5.00 MHz 1001 pts)	Log	Lin
MSG								STAT	US			

Plot 7-491. Band Edge Plot Antenna WF9 (802.11g - Ch. 7) - 24Mbps





FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)					
Test Report S/N:	Test Dates:	EUT Type:	Dama 200 at 500				
1C2311270067-03.BCG	311270067-03.BCG 1/8/2024 - 3/15/2024 Tablet Device						
			V/ 40 C 00/4 4/2022				



🔤 Ke	ysight Spe	ctrum Analyzer - S	wept SA									
<b>lxi</b> R	Т	RF 50 !	Ω DC C	ORREC	SEI	ISE:INT	#Ava Tvi	ALIGN AUTO	02:43:54 PI TRAC	HFeb 20, 2024	F	requency
				PNO: Fast 🕞 FGain:Low	Trig: Free #Atten: 4	eRun 0 dB			TYI Di			Auto Tuno
10 dl	B/div	Ref 40.00	dBm					ΔΜΙ	4 rr1 -63.4 4	10 MHz 5.67 dB		Auto Tulle
LUg												Center Freq
30.0											2.48	33500000 GHz
20.0	<u> </u>											Start Freq
10.0			∆2								2.44	1000000 GHz
0.00	philm	hard all hard all hard	hindurday									
U.UU											2.5	Stop Freq 26000000 GHz
-10.0	f											
-20.0	<u> </u>											CF Step
-30.0											<u>Auto</u>	Man
30.0			h h	willing						v		Frea Offset
-40.0					aper Sector and	mmul	www.www.w	UNPloyment Straylordiants	ullun team your	Bat manual		0 Hz
-50.0	L											
												Scale Type
Cen	ter 2.4	8350 GHz							Span 8	5.00 MHz	Log	Lin
#Re	s BW	100 kHz		#VBV	V 1.0 MHz			Sweep 2	2.333 ms (	1001 pts)		
MSG								STATU	s			

Plot 7-493. Band Edge Plot Antenna WF9 (802.11g - Ch. 9) - 24Mbps



Plot 7-494. Band Edge Plot Antenna WF9 (802.11g - Ch. 10) - 24Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	D 007 -( 500
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 307 of 583
			V 10.6 09/14/2023



🔤 Ke	ysight Spec	trum Analyze	er - Swej	pt SA									_	
<b>l,XI</b> R	Т	RF	50 Ω	DC CO	RREC		SEN	ISE:INT	#Ava Tvp	ALIGN AUTO	02:45:22 P	M Feb 20, 2024	F	requency
				P	NO: Fast Gain:Lov	• •	Trig: Free #Atten: 40	eRun DdB	4( B		TYI Di			
10 dl	B/div	Ref 40.	00 d	Bm						ΔΜ	1 kr1 -29.7 4	50 MHz 1.80 dB		Auto Tune
20.0														Center Freq
30.0													2.48	33500000 GHZ
20.0													2.4/	Start Freq
10.0				la nation faith a la	∆2								2.4	
0.00		, , ,	in hales	apann Lanverd									2.52	Stop Freq 26000000 GHz
-10.0					t (									CE Stop
-20.0													<u>Auto</u>	8.500000 MHz Man
-30.0	ليواله مدر	unite (vice)							V					Freg Offset
-40.0	Minun II.					้างป	within the state of the state o	www.www.	visut Adamteri	aller and	and water of the content	and the second second		0 Hz
-50.0														Scale Type
Cen	ter 2 /	8350 CI	17								Snan 8	5 00 MHz	Log	Lin
#Re	s BW 1	00 kHz	12		#V	/BW	1.0 MHz			Sweep	2.333 ms (	(1001 pts)		
MSG										STAT	US			





Plot 7-496. Band Edge Plot Antenna WF9 (802.11g - Ch. 12) - 24Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 208 of 582	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Fage 300 01 383	
			V 10.6 09/14/2023	



🔤 Keysight Spe	ectrum Analyzer - Swe	pt SA									
LXIRT	RF 50 Ω	DC COR	REC	SEN	NSE:INT	#Avg Tvp	ALIGN AUTO	02:46:51 P	M Feb 20, 2024	Fi	requency
		PN IFG	IO: Fast 🕞 Sain:Low	Trig: Free #Atten: 4	e Run 0 dB	#AV9 19P	e. RWJ	TYI			
10 dB/div	Ref 40.00 d	Bm					ΔN	1kr1 -50.4 3	90 MHz 6.52 dB		Autorune
				, Y						(	Center Freq
30.0										2.48	3500000 GHZ
20.0											Start Freq
10.0			. 1 4 4							2.44	1000000 GH2
0.00		11	Laky Mark	z N. La í						0.50	Stop Freq
-10.0		րել։Խ		"""Hal Min						2.52	8000000 GH2
-20.0										٤	CF Step 3.500000 MHz
-30.0										<u>Auto</u>	Man
-40.0	<sub>ากสี่ส</sub> ุล <sub>เชล</sub> ์ได้เมืองไม้ที่ได้คน	NA CONTRACTOR			anti-	were the free for the	water	+~1			Freq Offset
-50.0											UHZ
											Scale Type
Center 2.4	18350 GHz							Span 8	5.00 MHz	Log	Lin
#Res BW	100 kHz		#VBW	1.0 MHz			Sweep	2.333 ms (	(1001 pts)		
MSG							STAT	rus			

Plot 7-497. Band Edge Plot Antenna WF9 (802.11g - Ch. 13) - 24Mbps



Plot 7-498. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 1) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 200 of 592	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 309 01 583	
			V 10.6 09/14/2023	





Plot 7-499. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 2) - MCS4



Plot 7-500. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 3) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 210 of 592	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 310 01 583	
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Plot 7-501. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 4) - MCS4



Plot 7-502. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 7) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 211 of 582
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 311 of 583
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🔤 Keysigh	t Spectrum Analyzer - S	wept SA									
LXIRT	RF 50 !	Ω DC COI	RREC	SEI	SE:INT	#Avg Tvp	ALIGN AUTO	02:53:17 P	M Feb 20, 2024	F	requency
		P IF(	NO: Fast 🕞 Gain:Low	Trig: Free #Atten: 4	e Run 0 dB		ΔΝ	۲۲ ۵ <b>kr1 -35.1</b>			Auto Tune
10 dB/di	v Ref 40.00	dBm						4	7.22 dB		
											Center Frea
30.0										2.4	3500000 GHz
20.0	140										Start Freq
10.0										2.4	1000000 GHz
private	a way and a low a low and										
0.00											Stop Freq
-10.0										2.5	26000000 GHz
		1									CE Oton
-20.0											8.500000 MHz
-30.0		Profile and a second second								<u>Auto</u>	Man
00.0		-u	Mr And		. /						
-40.0			""""""""""""""""""""""""""""""""""""""	W Dostonal (mapped	A. Arrows	-	6 marth for the set of	ขบารหิบประวงกับแรง	ymysyn-spinesoffin		0 Hz
50.0											
-50.0											Scale Type
Center	2 49350 CH-							Snap	25 00 MHz	Log	Lin
#Res B	W 100 kHz		#VBW	1.0 MHz			Sweep	2.333 ms	(1001 pt <u>s)</u>		
MSG							STAT	US			





Plot 7-504. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 9) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 212 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 312 of 583
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🔤 Ke	ysight Spec	trum Analyzer - S	wept SA									
L <b>XI</b> R	Т	RF 50	Ω DC CC	RREC	SEI	ISE:INT	#Ava	ALIGN AUTO	0 02:54:46 P TRAC	M Feb 20, 2024	F	requency
			F	NO: Fast Gain:Low	Trig: Free #Atten: 4	e Run 0 dB			TY D			Auto Tune
10 dl Log	3/div	Ref 40.00	dBm					Διν	1KF1 -41.0 4	6.06 dB		
30.0											2.4	Center Freq
20.0											2.4	3000000 Gill2
40.0			<u> </u>								2.4	Start Freq 41000000 GHz
10.0		and	100 Julia landa									
U.UU			1								2.5	Stop Freq 26000000 GHz
-10.0		/										CE Sten
-20.0											<u>Auto</u>	8.500000 MHz Man
-30.0	manda			<u> </u>								Erea Offset
-40.0				~~~~	Person and the second	rutherut	milliurofitura	an Remann	with with the second with the second s	ฃ <sub>๗๚๛๚</sub> ๛๚๚๛๚๚๚ฃ		0 Hz
-50.0												Scale Type
Cen	ter 2.4	8350 GHz							Span 8	5.00 MHz	Log	Lin
#Re	s BW ′	00 kHz		#VBW	/ 1.0 MHz			Sweep	2.333 ms	(1001 pts)		
MSG								STA	TUS			





Plot 7-506. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 11) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type: Tablet Device	Page 313 of 583
102311270007-03.000	1/0/2024 - 3/13/2024		V 10.6 09/14/2023



🔤 Kej	/sight Spec	trum Analyzer -	Swept SA									
L <mark>XI</mark> R	Т	RF 50	Ω DC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	02:56:14 P	MFeb 20, 2024	F	requency
10 di	3/div	Ref 40.00	) dBm	PNO: Fast FGain:Low	Trig: Free #Atten: 4	e Run 0 dB		ΔΜ	kr1 -30.7 3	70 MHz 9.80 dB		Auto Tune
30.0											2.48	Center Freq 3500000 GHz
20.0 10.0				▲1∆2							2.44	Start Freq 1000000 GHz
0.00 -10.0			palat and	tothe horizon and the second sec	k.						2.52	Stop Freq 6000000 GHz
-20.0 -30.0											<u>Auto</u>	CF Step 8.500000 MHz Man
-40.0	n for the state of	n an			Ventur	han for the second of the second s		anasytet,Marset	<sub>ทาง</sub> ใจปะมีสูญารไปที่ <sub>ได้</sub> เป็น	b <del>h</del> hadhanta		Freq Offset 0 Hz
												Scale Type
Cen #Re	ter 2.4 s BW 1	8350 GHz 00 kHz		#VBW	1.0 MHz			Sweep	Span 8 2.333 ms (	5.00 MHz 1001 pt <u>s)</u>	Log	<u>Lin</u>
MSG								STAT	US			

Plot 7-507. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) – Ch. 12) – MCS4



Plot 7-508. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 13) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 314 of 583
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	V 10 6 00/14/2022



🔤 Ke	ysight Spe	trum A	nalyzer - Sv	vept SA											
<b>lxi</b> R	Т	RF	50 \$	2 DC	CORREC		SEN	ISE:INT		ALIGN AU	TO 02:5	57:43 PM	Feb 20, 2024	F	requency
					DNO 5		Frig: Free	Run	#Avg I	ype: RMS		TYP	= 1 2 3 4 5 6 E M WWWWW		requeitey
					IFGain:Lo	st 🖵	Atten: 4	0 dB				DE	PNNNN		
										Δ	Mkr1	48.8	75 MHz		Auto Tune
10 4	2/diu	Dof	40.00	dBm								4	0.31 dB		
Log		Kei	40.00	ubiii											
															<b>Center Freq</b>
30.0														2.4	00000000 GHz
20.0															
															Start Freq
10.0														2.3	57500000 GHz
10.0									1∆2						
0.00								. N. N. I	IN COMPANIE A	16 J - 5					
0.00								prof party	W0-1-24	Month Laky					Stop Freq
														2.4	42500000 GHz
-10.0															
															CE Sten
-20.0															8.500000 MHz
											l			<u>Auto</u>	Man
-30.0	<u> </u>							<u> </u>			t				
											Upple le				Erog Offect
-40.0	al de la	2	MM and and	Vin Mary	ปการสาวไทยเป็นไป	Later and the star	tophandura.	{				( where the	Howard		Fiequise
	1000-00-04	- 110	an i sol ten te	1											0 HZ
-50.0															
															Scale Type
Cen	ter 2.4	0000	) GHz								Sp	an 8	5.00 MHz	Log	Lin
#Re	s BW	100	KHZ		#	VBW 1.	0 MHz			Sweep	2.333	ms (	1001 pts)		
MSG										ST	ATUS				

Plot 7-509. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 1) - MCS4



Plot 7-510. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 2) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)						
Test Report S/N:	Test Dates:	EUT Type:	Dage 215 of 582					
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 315 of 583					
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Plot 7-511. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 3) - MCS4



Plot 7-512. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 4) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 216 of 592
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			V 10.6 09/14/2023





Plot 7-513. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 5) - MCS4



Plot 7-514. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 7) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 217 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 317 01 583
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🔤 Keysight Spe	ectrum Analyzer - Sv	wept SA									
LXIRT	RF 50 9	Ω DC CO	RREC	SEN	NSE:INT	#Ava Tvp	ALIGN AUTO	03:03:25 PI	4 Feb 20, 2024	F	requency
		Р	NO: Fast 🖵	Trig: Free	e Run			TYP			
		IF	Gain:Low	#Atten: 4	UdB						Auto Tune
	B-6 40 00	-15					ΔΙΝΙ	KFT -39.6	10 MHZ		
10 dB/div Log	Ref 40.00	aBm	1	,	-	1	1				
											Center Freq
30.0										2.48	3500000 GHz
20.0											Start From
	▲1∆2									2.44	
10.0	not a har									2.44	1000000 GHZ
0.00	I was as a strategy of										
0.00											Stop Freq
.10.0										2.52	6000000 GHz
-10.0											
-20.0		1									CF Step
		N N								Auto	8.500000 MHz Man
-30.0		with the start	d.1								
			Wary Way								Erog Offect
-40.0			- William	where the providence of	multure	and for the state of the state	whether whether the	y Marth Mart	๛๛๛๛๛		
											0112
-50.0											O a a la Truna
											Scale Type
Center 2.4	48350 GHz							Span 8	5.00 MHz	Log	Lin
#Res BW	100 kHz		#VBW	1.0 MHz			Sweep	2.333 ms (	1001 pts)		
MSG							STATU	JS			





Plot 7-516. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 9) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 318 of 583
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	1 age 516 61 565
			V 10.6 09/14/2023



🔤 Kej	ysight Spe	ctrum	Analyzer - Sv	vept SA									
L <b>XI</b> R	T	R	F 50 S	2 DC (	CORREC	SE	NSE:INT	#Ava Tvp	ALIGN AUTO	03:04:53 P	M Feb 20, 2024	F	requency
					PNO: Fast ( IFGain:Low	Trig: Fre #Atten: 4	e Run 0 dB			TY Di			
10 di	3/div	Re	f 40.00	dBm					ΔM	kr1 -36.4 4	65 MHz 4.07 dB		Auto Tune
20.0							Ĭ						Center Freq
30.0												2.4	83500000 GHZ
20.0													Start Freq
10.0			Linne	1∆2- _>\\								2.4	41000000 GHZ
0.00		1-11	V-10-2-1-2		~~								Stop Freq
-10.0												2.5	26000000 GHZ
-20.0													CF Step 8.500000 MHz
-30.0												<u>Auto</u>	Man
-40.0	ad an					that mere and the	though the second	X2.	- bilatah tasah		e daard kertuaan a ki		Freq Offset
50.0					i. al	and have the number of the	a thursday and	( ) I to and a second	II HORITO (III. )	n Mult di Schan Mare	and a second state of the second s		0 Hz
-50.0													Scale Type
Cen	ter 2.4	83:	i0 GHz							Span 8	5.00 MHz	Log	Lin
#Re	s BW	100	kHz		#VB	W 1.0 MHz			Sweep 🔅	2.333 ms (	(1001 pts)		
MSG									STATU	IS			

Plot 7-517. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 10) - MCS4



Plot 7-518. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 11) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 040 at 500
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 319 of 583
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🔤 Keysight Spe	ectrum Analyzer - Sv	vept SA									
L <mark>XI</mark> RT	RF 50 S	2 DC COF	REC	SEN	ISE:INT	#Avg Tvp	ALIGN AUTO	03:06:22 PM TRAC	Feb 20, 2024	Frequenc	y
		PI IFC	NO:Fast 🖵 Gain:Low	Trig: Free #Atten: 4	eRun 0 dB		ΔΜ	TYP DE ( <b>r1 -24.1</b>	40 MHz	Auto	Tune
10 dB/div	Ref 40.00	dBm						3	9.30 dB		
30.0										Center 2.48350000	Freq 0 GHz
20.0											
10.0										Start 2.44100000	Freq 0 GHz
0.00		raul Michaharha		<b>~</b> nj						Stop	Freq
-10.0		1	•							2.52000000	GHZ
-20.0										CF 8.500000 <u>Auto</u>	Step MHz Man
-30.0	destand line			hunton	an and an dot of	he X densities	น่อนในสไหล่ได้สนใน	Niun - Anfl destersbaa		Freq C	offset
					and the second se						UHZ
-50.0										Scale	Туре
Center 2.4	18350 GHz							Span 8	5.00 MHz	Log	Lin
#Res BW	100 kHz		#VBW	1.0 MHz			Sweep 2	2.333 ms (	1001 pts)		
MSG							STATU	S			

Plot 7-519. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 12) - MCS4

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	element MEASUREMENT REPORT (CERTIFICATION)		
Test Report S/N:	Test Dates:	EUT Type:	Dage 220 of 592	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 320 of 583	
			1/ 10.0.00/11/00000	



**High Rate** 







Plot 7-521. Band Edge Plot Antenna WF9 (802.11b - Ch. 11) - 11Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 221 of 583	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Fage 321 01 585	
			V 10.6 09/14/2023	



Keysight Spectrum Analyzer - Swept SA					
🗶 RT RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:48:39 AM Mar 18, 2024 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 40.00 dBm	PNO: Fast 🖵 Tri IFGain:Low #A	ig: Free Run tten: 40 dB	Δι	Akr1 -58.88 MHz 48.35 dB	Auto Tune
30.0					Center Freq 2.483500000 GHz
20.0	1Δ2				Start Freq 2.433500000 GHz
-10.0					Stop Freq 2.533500000 GHz
-20.0					CF Step 10.000000 MHz <u>Auto</u> Man
-40.0		hen all Charled South in Algebra	องรูปไฟป์กร่างสารให้สุขารุประสารใจประวัย	landradot Metteran Xeladam	Freq Offset 0 Hz
					Scale Type
Center 2.48350 GHz #Res BW 100 kHz	#VBW-1.0	MH7	Sween	Span 100.0 MHz 2 799 ms (2000 pts)	Log <u>Lin</u>
MSG	"•Bv• 1.0		STATU	is	





## Plot 7-523. Band Edge Plot Antenna WF9 (802.11b - Ch. 13) - 11Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Daga 222 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 322 of 583
			1/ 40 0 00/44/0000





Plot 7-524. Band Edge Plot Antenna WF9 (802.11g - Ch. 1) - 54Mbps





FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 202 of 502
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 323 of 583
			V 10.6 09/14/2023









Plot 7-527. Band Edge Plot Antenna WF9 (802.11g - Ch. 4) - 54Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 224 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 324 of 583
			V 10.6 09/14/2023









Plot 7-529. Band Edge Plot Antenna WF9 (802.11g - Ch. 7) - 54Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 225 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 325 01 583
			V 10.6 09/14/2023



🔤 Kej	ysight Spe	ctrum Analyzer -	Swept SA									
L <b>XI</b> R	Т	RF 5	)Ω DC (	CORREC	SE	NSE:INT	#Ava Tvp	ALIGN AUTO	03:12:48 PI	HFeb 20, 2024	F	requency
				PNO: Fast 🕞 IFGain:Low	Trig: Free #Atten: 4	e Run 0 dB	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		TYF DE			
10 di	3/div	Ref 40.0	) dBm					ΔM	kr1 -48.3 4	65 MHz 7.04 dB		Auto Tune
30.0											2.48	Center Freq 33500000 GHz
20.0 10.0	alacterit alla	1 <u>02</u>									2.44	Start Freq 11000000 GHz
0.00			ι								2.52	Stop Freq 26000000 GHz
-20.0			hullen and a	L1.							<u>Auto</u>	CF Step 8.500000 MHz Man
-40.0				MANA MANA MANA MANA MANA MANA MANA MANA	ald-manylows	<del>สมสารมาร์งสระบูได้ท</del>		www.	การรับเหลือเรื่องเตูเมาเปลาเปลาเปลาเปลาเปลาเปลาเปลาเปลาเปลาเปล	เสราจสารสิงสุดหา		Freq Offset 0 Hz
-50.0												Scale Type
Cen	ter 2.4	8350 GHz							Span 8	5.00 MHz	Log	Lin
#Re	sBW	100 kHz		#VBV	V 1.0 MHz			Sweep	2.333 ms (	1001 pts)		
MSG								STAT	US			

Plot 7-530. Band Edge Plot Antenna WF9 (802.11g - Ch. 8) - 54Mbps



Plot 7-531. Band Edge Plot Antenna WF9 (802.11g - Ch. 9) - 54Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 226 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 326 of 583
			V 10.6 09/14/2023



🔤 Keysight Spectrum Analyzer - Swept SA					
XIRT RF 50Ω DC	CORREC SI	ENSE:INT #Ava	ALIGN AUTO	03:14:17 PM Feb 20, 2024	Frequency
	PNO: Fast Trig: Fre IFGain:Low #Atten:	ee Run 40 dB		TYPE MWWWWW DET PNNNNN	Auto Tuno
10 dB/div Ref 40.00 dBm			ΔMk	r1 -46.240 MHz 44.43 dB	Auto Tune
30.0					Center Freq 2.483500000 GHz
20.0					Start Freq
10.0 <b>β</b>	2				2.441000000 GHz
-10.0					Stop Freq 2.526000000 GHz
-20.0	\  				CF Step 8.500000 MHz Auto Man
-30.0	White the second second		Y		Freq Offset
-40.0	- II Viele it in the	when my hand my	ลเสมารถกำให้ผู้ผู	สีของหรือสถุกประที่ <sub>ไป</sub> ประสีที่สูงในประกังสระสะกลัง	0 Hz
					Scale Type
Center 2.48350 GHz #Res BW 100 kHz	#VBW 1.0 MH	7	Sween 2	Span 85.00 MHz 333 ms (1001 nfs)	Log <u>Lin</u>
MSG			STATUS		





Plot 7-533. Band Edge Plot Antenna WF9 (802.11g - Ch. 11) - 54Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Page 327 of 583	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Fage 327 01 385	
			V 10.6 09/14/2023	



Keysight Spectrum Analyzer - Swept SA									- đ ×
XX R T RF 50Ω DC	CORREC	SEN	SE:INT		ALIGN AUTO	03:15:46 PM	Feb 20, 2024	Fr	equency
	PNO: Fast 😱 IFGain:Low	Trig: Free #Atten: 40	Run dB	#///g 13p/		TYP DE			
10 dB/div Ref 40.00 dBm					ΔM	kr1 -30.0 3!	05 MHz 9.63 dB		Autorune
		Ĭ						c	enter Freq
30.0								2.48	3500000 GHz
20.0									Start Freq
10.0	1∆2							2.44	1000000 GHz
0.00	topinet.alog production to the								Stop Freq
-10.0								2.52	5000000 GHz
-20.0		L						g	CF Step
-30.0		Y						<u>Auto</u>	Man
				V					Freq Offset
-40.0 Warny Wary of multinant		Proval Low A	<u>งในไขราวไปไปเป็นเรื่องการ</u>	Termine the State of the State	agh แกางใหล	เหมี่สัมหุรับสาราง	MrvAlmillanter		0 Hz
-50.0									Scale Type
Contor 2 49250 CH						Cnor O		Log	Lin
#Res BW 100 kHz	#VBW	1.0 MHz		\$	Sweep	2.333 ms (	1001 pts)		<u></u>
MSG					STAT	US			





Plot 7-535. Band Edge Plot Antenna WF9 (802.11g - Ch. 13) - 54Mbps

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 220 of 502
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 328 of 583
			V 10.6 09/14/2023





Plot 7-536. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 1) - MCS7



Plot 7-537. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 2) - MCS7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dega 220 of 592	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 329 01 583	
			V 10.6 09/14/2023	





Plot 7-538. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 3) - MCS7



Plot 7-539. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 4) - MCS7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 220 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 330 01 583
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Plot 7-540. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 5) - MCS7



Plot 7-541. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 7) - MCS7

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 221 of 582	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 331 of 583	
			V 10.6 09/14/2023	



🔤 Keysi	ight Spec	trum Analyzer - Si	wept SA										
l <b>xi</b> r t	T	RF 50 9	Ω DC CC	DRREC	SEN	SE:INT	#0.10	ALI ALI	GN AUTO	03:22:57 F	M Feb 20, 2024	F	Frequency
			ļ	PNO: Fast 🕞 Gain:Low	Trig: Free #Atten: 4	e Run 0 dB	#/\V <u>5</u>	g type.r	(W) S	ה ב			Auto Tuno
10 dB/	div	Ref 40.00	dBm						ΔM	kr1 -59.2 4	245 MHz 7.60 dB		Auto Tune
Log													Center Freq
30.0 —												2.4	83500000 GHz
20.0		142											Start Freq
10.0	aler des											2.4	41000000 GHz
0.00		- A to brook high											Stop Freq
-10.0												2.5	26000000 GHz
20.0			<b>V</b>										CF Step
-20.0			հորհեր հեր									<u>Auto</u>	8.500000 MHz Man
-30.0				Willingh Work I.									Erog Offect
-40.0				""4furd	hindurnania and	whether	Launay Bradia	JUMANA	ሊላ <mark>ե</mark> թդ <mark>ዛ</mark> ማ	M2 month	argunthe walnut		0 Hz
-50.0													
													Scale Type
Cente	er 2.4	8350 GHz								Span 8	35.00 MHz	Log	Lin
#Res	BW 1	00 kHz		#VBW	1.0 MHz			Sv	/eep	2.333 ms	(1001 pts)		
MSG									STATU	JS			





Plot 7-543. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 9) - MCS7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Daga 222 of 592	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 332 of 583	
			V 10.6 09/14/2023	



📥 Kej	ysight Spec	trum Analyzer - S	wept SA								_	
L <b>XI</b> R	T	RF 50 9	DC CC	RREC	SEI	NSE:INT	#Avg T	ALIGN AUT	0 03:24:25 P	M Feb 20, 2024	F	requency
			F IF	NO: Fast Gain:Low	Trig: Free #Atten: 4	e Run 0 dB		,	TY D			
10 di	3/div	Ref 40.00	dBm					ΔΝ	4/1 / Akr1 -32.4 4	70 MHz 4.11 dB		Auto Tune
30.0											2.45	Center Freq
20.0											2.40	3300000 GHZ
10.0			<u>_</u> 1∆2								2.44	Start Freq 1000000 GHz
0.00		when have the start of the	entrol hold-story.									Stop Freg
-10.0		<u> </u>									2.52	6000000 GHz
-20.0												CF Step 8.500000 MHz
-30.0											<u>Auto</u>	Man
-40.0	llterffervl			<sup>V</sup> Y+WLa+	Malan	whenter	X2	Warnes Marine	Longeronalities	and the second		Freq Offset 0 Hz
-50.0												
												Scale Type
Cen	ter 2.4	8350 GHz							Span 8	5.00 MHz	Log	Lin
#Re	s BW 1	00 kHz		#VBV	/ 1.0 MHz			Sweep	2.333 ms	(1001 pts)		
MSG								STA	TUS			





Plot 7-545. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 11) - MCS7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 222 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 333 of 583
			V 10.6 09/14/2023



🔤 Keysight S	pectrum Analyzer - Sw	ept SA									đ 🗙
LXU RT	RF 50 Ω	DC COF	REC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	03:25:54 PM TRACI	Feb 20, 2024	Freque	ncy
10 dB/div	Ref 40.00 (	PI IFC İBm	NO: Fast 😱 Gain:Low	Trig: Free #Atten: 40	e Run 0 dB		ΔMI	۲۲۹ DE kr1 -33.9 39	15 MHz 9.66 dB	Aut	o Tune
30.0										Cent 2.483500	er Freq 000 GHz
20.0			▲1∆2							Sta 2.441000	irt Freq 000 GHz
0.00		polochrladiodadh 1								Sto 2.526000	op Freq 000 GHz
-20.0										C 8.5000 <u>Auto</u>	F Step 000 MHz Man
-40.0 <b>-40.0</b>	แมวงลาว <sub>างก</sub> าง <sub>ก</sub> ุงเข้า <sup>2</sup>				ulvyontaa, ayaantud	ปัญาณ <mark>์</mark> ทางเกาะจากการ	un Xingan	ntracestationnatio	lahamboards	Freq	l Offset 0 Hz
-30.0										Scal	іе Туре
Center 2 #Res BW	.48350 GHz / 100 kHz		#VBW	1.0 MHz			Sweep 2	Span 8 2.333 ms (′	5.00 MHz 1001 pts)	Log	Lin
MSG							STATU	S			

Plot 7-546. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) – Ch. 12) – MCS7



Plot 7-547. Band Edge Plot Antenna WF9 (802.11n (2.4GHz) - Ch. 13) - MCS7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 224 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 334 of 583
			V/ 40 C 00/4 4/2022





Plot 7-548. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 1) - MCS9



Plot 7-549. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 2) - MCS9

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dage 225 of 582
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 335 01 583
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Plot 7-550. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 3) - MCS9



Plot 7-551. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 4) - MCS9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 226 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 330 01 583
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Plot 7-552. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 5) - MCS9



Plot 7-553. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 7) - MCS9

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 227 of 582
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 337 01 583
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	t Spectrum Analyzer - S	wept SA									
L <mark>XI</mark> RT	RF 50	Ω DC CO	RREC	SEI	SE:INT	#Ava Tva	ALIGN AUTO	03:33:04 P	M Feb 20, 2024	F	requency
		P	NO: Fast 🕞 Gain:Low	Trig: Free #Atten: 4	e Run 0 dB	41.6.9		TYI Di			A
10 dB/div	Ref 40.00	dBm					ΔM	4 kr1 -68.4 4	25 MHz 6.44 dB		Auto Tune
											Center Freq
30.0										2.48	33500000 GHz
20.0											Start Freq
10.0	1∆2									2.44	41000000 GHz
Д <b>у</b> фи	dilly million lever										
0.00										2.5	Stop Freq 26000000 GHz
-10.0											
-20.0		\									CF Step
30.0		haller								<u>Auto</u>	Man
-30.0		Pupper II	wild when						,		Freq Offset
-40.0				Munaley and	Kanylymyservery	len Mulan Marka	₩₽₩₽₽₽₽₩₩₩₽₽₽₽	March Carles and Carl	Balanta		0 Hz
-50.0											
											Scale Type
Center	2.48350 GHz							Span 8	5.00 MHz	Log	Lin
#Res B	W 100 kHz		#VBW	1.0 MHz			Sweep	2.333 ms (	1001 pts)		
MSG							STAT	JS			

Plot 7-554. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 8) - MCS9



Plot 7-555. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 9) - MCS9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 220 of 502
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 338 01 583
			V 10.6 09/14/2023



🔤 Keysight Spe	ectrum Analyzer - Swep	t SA									
LXIRT	RF 50 Ω	DC COR	REC	SEN	ISE:INT	#Ava Tvp	ALIGN AUTO	03:34:33 Pl TRAC	M Feb 20, 2024	Fi	requency
		PI	IO: Fast 🔾	Trig: Free	Run			TY	PE MWWWWW T P N N N N N		
		IFC	ain:Low	#Atten: 4	Jub			lkr1 _97 9			Auto Tune
10 dB/div	Ref 40.00 dE	3m						4	3.97 dB		
Log				``````````````````````````````````````							
										0	Center Freq
30.0										2.48	3500000 GHz
20.0											
20.0											Start Freq
10.0		<u>^</u> 1∆2 —								2.44	1000000 GHz
		Adulat 1									
0.00	John down and	u L. Inde officiently									Stop Freq
										2.52	6000000 GHz
-10.0											
20.0	}										CF Step
-20.0										8 Auto	3.500000 MHz
-30.0										Auto	Width
											Erog Offect
-40.0 MANN			ՙՙֈՙիվիլ՝ ՠՠ	wat for and the state	ww.X2Ju	www.	والمعادلة والمعادمة والمحالية	numpleurstemanter	~~~~		
											0112
-50.0											
											Scale Type
Center 2.4	18350 GHz							Span 8	5.00 MHz	Log	Lin
#Res BW	100 kHz		#VBW	1.0 MHz			Sweep	2.333 ms (	1001 pts)		
MSG							STAT	rus			

Plot 7-556. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 10) - MCS9



Plot 7-557. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 11) - MCS9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 220 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 339 01 583
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Keysight Spectrum Analyzer - Swe	ept SA					
LXI R T RF 50Ω	DC CORREC	SENSE:1		ALIGN AUTO 03:36:01 <b>CRMS</b> TR	PM Feb 20, 2024	Frequency
	PNO: Fast 🖵	Trig: Free Ru #Atten: 40 dE	in 3	1		Auto Tuno
10 dB/div Ref 40.00 d	lBm			ΔMkr1 -38	.930 MHz 39.47 dB	Auto Tune
30.0						Center Freq
20.0						2
10.0						Start Freq 2.441000000 GHz
0.00	j1∆2					Stop Freq
-10.0						2.526000000 GHz
-20.0						CF Step 8.500000 MHz
-30.0						<u>Auto</u> Man
-40.0 Willinghalter		William Mark	wayna Maralan a Maray a Na maray a Maray	where the and the second se	nitwatyknyktwy	Freq Offset 0 Hz
-50.0						Scale Type
Center 2.48350 GHz #Res BW 100 kHz	#\/B\/	1 0 MHz		Span	85.00 MHz	Log <u>Lin</u>
MSG				STATUS	(1001 bis)	

Plot 7-558. Band Edge Plot Antenna WF9 (802.11ax (SU - 2.4GHz) - Ch. 12) - MCS9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	element MEASUREMENT REPORT (CERTIFICATION)		
Test Report S/N:	Test Dates:	EUT Type:	Daga 240 of 592	
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 340 of 583	
			11 40 0 00/4 4/0000	


#### 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 were investigated to determine the worst case configuration. For the following out of band conducted spurious emissions plots, the EUT was investigated in all available data rates for "b", "g", "n", "ax-SU" modes. The worst case spurious emissions for the 2.4GHz band were found while transmitting in "b" mode at 11 Mbps and are shown in the plots below.

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 Section 11.11 of ANSI C63.10-2013 and KDB 558074 D01 v05r02.

#### Test Procedure Used

ANSI C63.10-2013 – Subclause 11.11.3 KDB 558074 D01 v05r02 – Section 8.5 ANSI C63.10-2013 – Subclause 14.3.3 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: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 244 of 592
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#### 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 C63.10-2013 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 modes, data rates, and antenna configurations were investigated and only the worse case is reported.

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 3/2 of 583
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Fage 342 01 383
			V 10.6 09/14/2023





# 7.6.1 Antenna WF8 Conducted Spurious Emission





Plot 7-560. Conducted Spurious Plot Antenna WF8 (802.11b - Ch. 1)

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 242 of 592
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Plot 7-562. Conducted Spurious Plot Antenna WF8 (802.11b - Ch. 6)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 344 of 583
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Fage 344 01 565	
			V 10.6 09/14/2023



🔤 Keysigh	it Spectrum Analy	ter - Swept SA									
L <mark>XI</mark> RT	RF	50 Ω DC	CORREC	SEI	NSE:INT	#Avg Typ	ALIGN AUT e: RMS	0 02:14:28 A	M Feb 20, 2024	Fr	equency
10 dB/di	v Ref 30	.00 dBm	PNO: Fast G	Atten: 4	0 dB		ſ	Mkr1 4.04 -23.	4 3 GHz 40 dBm		Auto Tune
20.0										5.01	Center Freq 5000000 GHz
0.00									-DL1 -1.84 dBm	30	Start Freq 0.000000 MHz
-10.0				<b>↓</b> 1						10.00	Stop Freq 0000000 GHz
-30.0 -40.0	e se forme for participant de la seconda				~~~				edhadisachtla. 12 <sup>40</sup> - Standard	997 <u>Auto</u>	CF Step 2.000000 MHz Man
-50.0											Freq Offset 0 Hz
-00.0											Scale Type
Start 3 #Res B	0 MHz W 1.0 MHz		#VBV	V 3.0 MHz		s	weep	Stop 10 18.00 ms (3	.000 GHz 0001 pts)	Log	Lin
MSG							STA	TUS			

Plot 7-563. Conducted Spurious Plot Antenna WF8 (802.11b - Ch. 11)



Plot 7-564. Conducted Spurious Plot Antenna WF8 (802.11b - Ch. 11)

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 245 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 345 of 583
			1/ 40 0 00/44/0000





# 7.6.2 Antenna WF7 Conducted Spurious Emissions





Plot 7-566. Conducted Spurious Plot Antenna WF7 (802.11b - Ch. 1)

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Daga 246 of 592
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Plot 7-568. Conducted Spurious Plot Antenna WF7 (802.11b - Ch. 6)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Page 347 of 583		
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Plot 7-569. Conducted Spurious Plot Antenna WF7 (802.11b - Ch. 11)



Plot 7-570. Conducted Spurious Plot Antenna WF7 (802.11b - Ch. 11)

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager			
Test Report S/N:	Test Dates:	EUT Type:	Page 348 of 583		
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	15/2024 Tablet Device			
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# 7.6.3 Antenna WF9 Conducted Spurious Emissions





Plot 7-572. Conducted Spurious Plot Antenna WF9 (802.11b - Ch. 1)

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 240 of 592
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Plot 7-574. Conducted Spurious Plot Antenna WF9 (802.11b - Ch. 6)

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager			
Test Report S/N:	Test Dates:	EUT Type:	Page 350 of 583		
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	8/2024 - 3/15/2024 Tablet Device			
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🔤 Keysig	ght Spectru	m Analyzer - S	wept SA								
LXIR T	r	RF 50	ΩDC	CORREC	SEI	NSE:INT	#Avg Typ	ALIGN AUT	0 03:39:56 P	M Feb 20, 2024	Frequency
10 dB/d	div R	ef 30.00	dBm	PNO: Fast IFGain:Low	#Atten: 4	0 dB			Mkr1 3.80 -23.	0 3 GHz 31 dBm	Auto Tune
20.0											Center Freq 5.015000000 GHz
0.00											Start Freq 30.000000 MHz
-10.0					↓ 1						Stop Freq 10.000000000 GHz
-30.0						WWW				l Jankovski polity Tarihovski politik	CF Step 997.000000 MHz <u>Auto</u> Man
-50.0 -											Freq Offset 0 Hz
-60.0											Scale Type
Start : #Res	30 MHz BW 1.0	z MHz		#VE	3W 3.0 MHz			weep	Stop 10 18.00 ms (3	.000 GHz 0001 pts)	Log <u>Lin</u>
MSG								STA	ATUS		

Plot 7-575. Conducted Spurious Plot Antenna WF9 (802.11b - Ch. 11)



Plot 7-576. Conducted Spurious Plot Antenna WF9 (802.11b - Ch. 11)

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 251 of 592
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			1/ 40 0 00/4 4/0000



#### 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 7-80 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-80. Radiated Limits

#### **Test Procedures Used**

ANSI C63.10-2013 – 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

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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#### Test Setup

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 7-80.
- 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.
- 5. 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 antenna configurations were investigated and only the worst case is reported.
- 10. The unit was tested with all possible modes and only the highest emission is reported.

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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#### Sample Calculations

#### **Determining Spurious Emissions Levels**

- $\circ$  Field Strength Level [dB<sub>µ</sub>V/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 [dBμV/m] Limit [dBμV/m]

#### Radiated Band Edge Measurement Offset

The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.6, 7.7.7, 7.7.8, 7.7.9, and 7.7.10 were calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA2836 IC: 579C-A2836	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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## 7.7.1 Antenna WF8 Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]





Mode:	802.11b
Data Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	Н	-	-	-77.16	2.43	32.27	53.98	-21.71
4824.00	Peak	Н	-	-	-65.95	2.34	43.39	73.98	-30.59
12060.00	Average	н	-	-	-79.64	8.86	36.22	53.98	-17.76
12060.00	Peak	Н	-	-	-68.02	8.86	47.84	73.98	-26.14

Table 7-81. Radiated Measurements Antenna WF8

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 255 of 592
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Plot 7-578. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11b - Ch. 6)

Mode:	802.11b
Data Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-76.11	2.12	33.01	53.98	-20.97
4874.00	Peak	н	-	-	-66.18	2.12	42.93	73.98	-31.05
7311.00	Average	н	-	-	-74.65	3.97	36.32	53.98	-17.66
7311.00	Peak	н	-	-	-66.65	4.00	44.36	73.98	-29.62
12185.00	Average	н	-	-	-77.80	9.19	38.39	53.98	-15.59
12185.00	Peak	н	-	-	-66.94	9.19	49.25	73.98	-24.73

Table 7-82. Radiated Measurements Antenna WF8

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 250 of 592
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Plot 7-579. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11b – Ch. 11)

Mode:	802.11b
Data Rate:	1Mbps
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	Average	Н	-	-	-75.94	1.92	32.98	53.98	-21.00
4924.00	Peak	Н	-	-	-66.20	1.92	42.73	73.98	-31.25
7386.00	Average	н	-	-	-76.63	4.26	34.63	53.98	-19.35
7386.00	Peak	н	-	-	-66.01	4.31	45.30	73.98	-28.68
12310.00	Average	н	-	-	-78.27	9.48	38.21	53.98	-15.77
12310.00	Peak	н	-	-	-67.53	9.64	49.11	73.98	-24.87

Table 7-83. Radiated Measurements Antenna WF8

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 257 of 592
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Plot 7-580. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax(SU) - Ch. 1)

Mode:	_802.11ax(SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	Н	-	-	-77.88	4.22	33.34	53.98	-20.64
4824.00	Peak	Н	-	-	-66.30	4.22	44.91	73.98	-29.07
12060.00	Average	н	-	-	-80.50	12.13	38.63	53.98	-15.35
12060.00	Peak	Н	-	-	-68.93	11.95	50.02	73.98	-23.96

Table 7-84. Radiated Measurements Antenna WF8

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 259 of 592
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Plot 7-581. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax(SU) - Ch. 6)

Mode:	802.11ax(SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-78.10	4.23	33.13	53.98	-20.85
4874.00	Peak	н	-	-	-66.16	4.32	45.16	73.98	-28.82
7311.00	Average	н	-	-	-79.03	8.84	36.80	53.98	-17.18
7311.00	Peak	н	-	-	-67.14	8.75	48.61	73.98	-25.37
12185.00	Average	н	-	-	-80.80	12.46	38.66	53.98	-15.32
12185.00	Peak	н	-	-	-68.70	12.42	50.73	73.98	-23.25

Table 7-85. Radiated Measurements Antenna WF8

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 250 of 592
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Plot 7-582. Radiated Spurious Emissions above 1GHz Antenna WF8 (802.11ax(SU) – Ch. 11)

Mode:	_802.11ax(SU)
Data Rate:	MCS0
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	Average	Н	-	-	-77.92	4.31	33.39	53.98	-20.59
4924.00	Peak	Н	-	-	-65.86	4.19	45.33	73.98	-28.65
7386.00	Average	н	-	-	-78.75	8.52	36.77	53.98	-17.21
7386.00	Peak	н	-	-	-67.40	8.69	48.29	73.98	-25.69
12310.00	Average	н	-	-	-80.85	12.43	38.58	53.98	-15.40
12310.00	Peak	н	-	-	-69.10	12.34	50.25	73.98	-23.73

Table 7-86. Radiated Measurements Antenna WF8

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 200 of 582
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## 7.7.2 Antenna WF7 Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]





Mode:	802.11b
Data Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	Н	-	-	-75.64	2.34	33.70	53.98	-20.28
4824.00	Peak	н	-	-	-65.32	2.43	44.11	73.98	-29.87
12060.00	Average	н	-	-	-77.37	8.86	38.49	53.98	-15.49
12060.00	Peak	Н	-	-	-67.36	8.66	48.29	73.98	-25.69

Table 7-87. Radiated Measurements Antenna WF7

FCC ID: BCGA2836 IC: 579C-A2836	element	ement Measurement Report (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dama 201 at 502
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 361 of 583
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Plot 7-584. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11b - Ch. 6)

Mode:	802.11b
Data Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-76.88	2.10	32.22	53.98	-21.76
4874.00	Peak	н	-	-	-65.64	2.10	43.46	73.98	-30.52
7311.00	Average	н	-	-	-74.58	4.06	36.48	53.98	-17.50
7311.00	Peak	н	-	-	-66.80	4.06	44.26	73.98	-29.72
12185.00	Average	н	-	-	-77.24	9.19	38.95	53.98	-15.03
12185.00	Peak	н	-	-	-67.38	9.41	49.03	73.98	-24.95

Table 7-88. Radiated Measurements Antenna WF7

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 262 of 582
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 362 01 583
			V 10.6 09/14/2023





Plot 7-585. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11b – Ch. 11)

Mode:	802.11b
Data Rate:	1Mbps
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	Average	н	-	-	-75.91	1.95	33.04	53.98	-20.94
4924.00	Peak	Н	-	-	-65.45	1.92	43.47	73.98	-30.51
7386.00	Average	н	-	-	-74.58	4.26	36.68	53.98	-17.30
7386.00	Peak	н	-	-	-67.09	4.11	44.03	73.98	-29.95
12310.00	Average	н	-	-	-78.44	9.48	38.04	53.98	-15.94
12310.00	Peak	н	-	-	-68.07	9.64	48.57	73.98	-25.41

Table 7-89. Radiated Measurements Antenna WF7

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 262 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 363 01 583
			V 10.6 09/14/2023





Plot 7-586. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax(SU) - Ch. 1)

Mode:	_802.11ax(SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	Н	-	-	-77.95	4.22	33.27	53.98	-20.71
4824.00	Peak	н	-	-	-66.31	4.22	44.91	73.98	-29.07
12060.00	Average	н	-	-	-80.29	12.13	38.84	53.98	-15.14
12060.00	Peak	Н	-	-	-68.68	12.13	50.46	73.98	-23.52

Table 7-90. Radiated Measurements Antenna WF7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 204 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 364 of 583
			V/ 40 0 00/4 4/0000





Plot 7-587. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax(SU) - Ch. 6)

Mode:	802.11ax(SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-77.94	4.32	33.39	53.98	-20.59
4874.00	Peak	н	-	-	-66.29	4.32	45.03	73.98	-28.95
7311.00	Average	н	-	-	-79.21	8.92	36.71	53.98	-17.27
7311.00	Peak	Н	-	-	-66.91	8.84	48.93	73.98	-25.05
12185.00	Average	н	-	-	-80.84	12.46	38.62	53.98	-15.36
12185.00	Peak	н	-	-	-68.73	12.42	50.69	73.98	-23.29

Table 7-91. Radiated Measurements Antenna WF7

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 205 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 365 01 583
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Plot 7-588. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11ax(SU) - Ch. 11)

Mode:	802.11ax(SU)
Data Rate:	MCS0
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	Average	Н	-	-	-78.10	4.31	33.21	53.98	-20.77
4924.00	Peak	Н	-	-	-65.60	4.19	45.59	73.98	-28.39
7386.00	Average	н	-	-	-78.83	8.52	36.69	53.98	-17.29
7386.00	Peak	н	-	-	-67.10	8.52	48.42	73.98	-25.56
12310.00	Average	н	-	-	-81.01	12.43	38.42	53.98	-15.56
12310.00	Peak	н	-	-	-69.01	12.35	50.34	73.98	-23.64

Table 7-92. Radiated Measurements Antenna WF7

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 200 of 502
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 366 01 583
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## 7.7.3 Antenna WF9 Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]





Mode:	802.11b
Data Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	Н	-	-	-80.12	7.05	33.93	53.98	-20.05
4824.00	Peak	н	-	-	-68.52	7.18	45.65	73.98	-28.33
12060.00	Average	н	-	-	-83.47	18.39	41.92	53.98	-12.06
12060.00	Peak	Н	-	-	-72.14	18.22	53.07	73.98	-20.91

Table 7-93. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 267 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	- 3/15/2024 Tablet Device	
			V 40 C 00/44/2022





Plot 7-590. Radiated Spurious Emissions above 1GHz Antenna WF9 (802.11b - Ch. 6)

Mode:	802.11b
Data Rate:	1Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-81.69	7.34	32.65	53.98	-21.33
4874.00	Peak	н	-	-	-68.60	7.19	45.59	73.98	-28.39
7311.00	Average	н	-	-	-82.17	10.77	35.60	53.98	-18.38
7311.00	Peak	н	-	-	-69.15	10.90	48.75	73.98	-25.23
12185.00	Average	н	-	-	-83.28	18.77	42.49	53.98	-11.49
12185.00	Peak	н	-	-	-71.87	19.02	54.16	73.98	-19.82

Table 7-94. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 200 of 502
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 368 01 583
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Plot 7-591. Radiated Spurious Emissions above 1GHz Antenna WF9 (802.11b - Ch. 11)

Mode:	802.11b
Data Rate:	1Mbps
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	Average	Н	-	-	-80.32	7.20	33.88	53.98	-20.10
4924.00	Peak	Н	-	-	-68.21	7.20	45.98	73.98	-28.00
7386.00	Average	н	-	-	-81.87	10.86	35.99	53.98	-17.99
7386.00	Peak	н	-	-	-70.13	10.83	47.70	73.98	-26.28
12310.00	Average	н	-	-	-82.94	18.59	42.65	53.98	-11.33
12310.00	Peak	н	-	-	-71.72	19.08	54.37	73.98	-19.61

Table 7-95. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 200 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 369 01 583
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Plot 7-592. Radiated Spurious Emissions above 1GHz Antenna WF9 (802.11ax(SU) - Ch. 1)

Mode:	_802.11ax(SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	Н	-	-	-77.83	4.22	33.39	53.98	-20.59
4824.00	Peak	н	-	-	-65.77	4.22	45.44	73.98	-28.54
12060.00	Average	н	-	-	-80.55	12.13	38.58	53.98	-15.40
12060.00	Peak	Н	-	-	-68.50	11.95	50.44	73.98	-23.54

Table 7-96. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 270 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 370 of 583
			1/ 40 0 00/4 4/0000





Plot 7-593. Radiated Spurious Emissions above 1GHz Antenna WF9 (802.11ax(SU) - Ch. 6)

Mode:	802.11ax(SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-78.03	4.23	33.20	53.98	-20.78
4874.00	Peak	н	-	-	-66.29	4.32	45.04	73.98	-28.94
7311.00	Average	Н	-	-	-79.10	8.84	36.74	53.98	-17.24
7311.00	Peak	Н	-	-	-67.02	8.92	48.90	73.98	-25.08
12185.00	Average	н	-	-	-80.91	12.46	38.55	53.98	-15.43
12185.00	Peak	Н	-	-	-69.61	12.46	49.85	73.98	-24.13

Table 7-97. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 271 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 371 of 583
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Plot 7-594. Radiated Spurious Emissions above 1GHz Antenna WF9 (802.11ax(SU) – Ch. 11)

Mode:	_802.11ax(SU)
Data Rate:	MCS0
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	Average	Н	-	-	-77.94	4.31	33.37	53.98	-20.61
4924.00	Peak	Н	-	-	-66.30	4.31	45.00	73.98	-28.98
7386.00	Average	н	-	-	-78.71	8.69	36.98	53.98	-17.00
7386.00	Peak	н	-	-	-66.94	8.69	48.75	73.98	-25.23
12310.00	Average	н	-	-	-80.93	12.48	38.54	53.98	-15.44
12310.00	Peak	н	-	-	-69.43	12.48	50.05	73.98	-23.93

Table 7-98. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 272 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 372 of 583
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## 7.7.4 CDD Primary Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]





Mode:	802.11n
Data Rate:	MCS10
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	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	Average	н	-	-	-76.82	2.34	32.52	53.98	-21.46
4824.00	Peak	н	-	-	-65.79	2.12	43.33	73.98	-30.65
12060.00	Average	н	-	-	-77.51	8.66	38.15	53.98	-15.83
12060.00	Peak	н	-	-	-67.93	8.71	47.78	73.98	-26.20

Table 7-99. Radiated Measurements CDD Primary

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dawa 070 at 500
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 373 of 583
			V 40 C 00/44/2022









Plot 7-597. Radiated Spurious Emissions above 18GHz CDD Primary (802.11n - Ch.6)

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 274 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 374 of 583
			V/ 10 6 00/14/2022



Mode:	802.11n
Data Rate:	MCS10
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6

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	Average	Н	-	-	-76.55	2.04	32.49	53.98	-21.49
4874.00	Peak	Н	-	-	-65.86	2.10	43.24	73.98	-30.74
7311.00	Average	Н	-	-	-75.98	4.06	35.08	53.98	-18.90
7311.00	Peak	Н	-	-	-66.39	4.08	44.70	73.98	-29.28
12185.00	Average	Н	-	-	-77.62	9.41	38.79	53.98	-15.19
12185.00	Peak	Н	-	-	-68.02	9.48	48.46	73.98	-25.52

Table 7-100. Radiated Measurements CDD Primary

FCC ID: BCGA2836 IC: 579C-A2836	element 🤁	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 275 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 375 01 583
			1/ 40 0 00/4 4/0000







Mode:	802.11n
Data Rate:	MCS10
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	Average	Н	-	-	-76.88	1.92	32.04	53.98	-21.94
4924.00	Peak	н	-	-	-65.55	1.95	43.40	73.98	-30.58
7386.00	Average	н	-	-	-77.41	4.11	33.70	53.98	-20.28
7386.00	Peak	н	-	-	-66.79	4.18	44.39	73.98	-29.59
12310.00	Average	н	-	-	-78.34	9.87	38.53	53.98	-15.45
12310.00	Peak	н	-	-	-67.24	9.87	49.63	73.98	-24.35

Table 7-101. Radiated Measurements CDD Primary

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 276 of 592
1C2311270067-03.BCG	1/8/2024 - 3/15/2024	Tablet Device	Page 376 01 583
			V 10.6 09/14/2023