

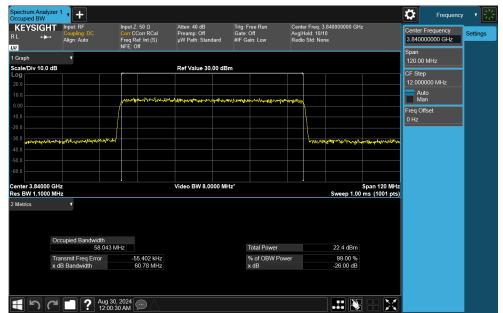
Plot 7-88. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM 16-QAM - Full RB)

KEYSIGH	Coupling: DC	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	Atten: 40 dB Preamp: Off μW Path: Stand	G	ig: Free Run ate: Off F Gain: Low	Avg	er Freq: 3 Hold: 10/1 o Std: Noi	.840000000 GH. 0 1e		Center Free 3.8400000		Settings
Graph	Ŧ									Span 120.00 MH	lz .	
cale/Div 10.0	dB		Ref Value 30.	00 dBm		_				CF Step		
20.0										12.000000	MHz	
		providente popularitation	an ann ann ann ann ann ann ann ann ann	rryard, boardy	and with the Martine Street					Auto Man		
							\backslash			Freq Offset		
20.0										0 Hz		
30.0 	energy and a second and the second	1					has	WILL MARKAN MARKAN	han annad			
40.0 50.0												
enter 3.84000 es BW 1.1000			Video BW 8.00	00 MHz*					Span 120 MHz ms (1001 pts)			
! Metrics	v Occupied Bandwidth											
	57.880				Total Power			25.6 dBm				
	Transmit Freq Error x dB Bandwidth	-29.510 kHz 60.70 MHz			% of OBW Po x dB	wer		99.00 % -26.00 dB				

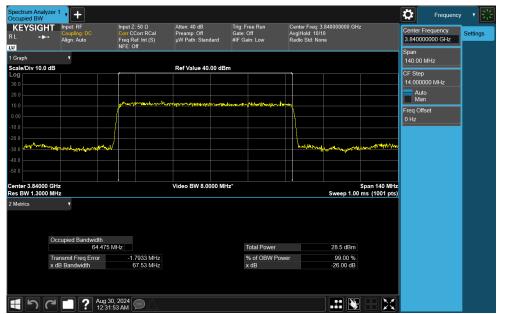
Plot 7-89. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 61 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 01 01 200
	·	·	V2.2 09/07/2023





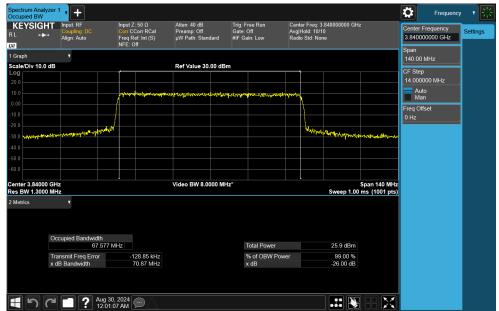
Plot 7-90. Occupied Bandwidth Plot (NR Band n77 C-Band - 60MHz CP-OFDM 256-QAM - Full RB)



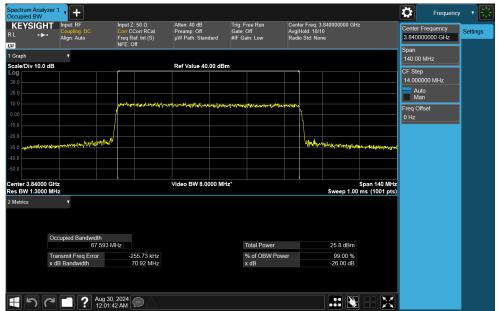
Plot 7-91. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 62 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 02 01 205
	·		V2.2 09/07/2023





Plot 7-92. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM QPSK - Full RB)



Plot 7-93. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 63 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 03 01 205
	·	•	V2.2 09/07/2023





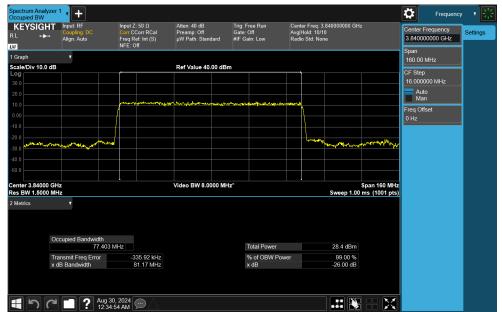
Plot 7-94. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM 64-QAM - Full RB)

KEYSIGH	Coupling: DC	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S)	Atten: 40 dB Preamp: Off μW Path: Stand	Gate:	Free Run Off ain: Low	Avg	er Freq: 3 Hold: 10/1 o Std: Noi			Center Fr 3.840000	equency 0000 GHz	Settings
Graph	•	NFE: Off								Span		
ale/Div 10.0			Ref Value 30.	00 dBm						140.00 M	lHz	
g										CF Step 14.00000		
										Auto		
		phin how when	man muchan	when the and the	_ป ะหน่างใหญ่งสูงสุด	egt-mat				Man		
.0							}			Freq Offs	et	1
.0										0 Hz		
							1					
0	and and the second states of t						950/**10	and an	and standard lines			
.0												
.0												
									-			
nter 3.84000 BW 1.3000			Video BW 8.00	00 MHz^					Span 140 MHz ms (1001 pts)			
letrics	•							· ·				
	Occupied Bandwidth											
	67.566	6 MHz			Total Power			22.4 dBm				
	Transmit Freq Error x dB Bandwidth	-186.35 kHz 70.83 MHz			% of OBW Pow x dB	er		99.00 % -26.00 dB				
	x ub Banuwidin	70.83 MHZ			X UB			-20:00 dB				

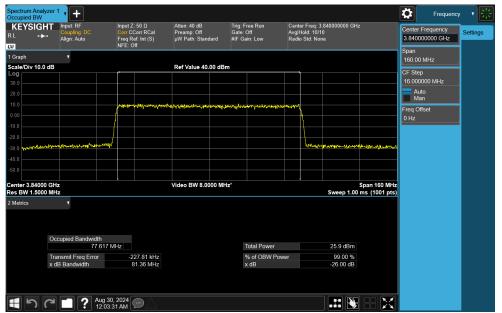
Plot 7-95. Occupied Bandwidth Plot (NR Band n77 C-Band - 70MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 64 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 64 01 265
		·	V2.2 09/07/2023





Plot 7-96. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz DFT-s-OFDM π/2 BPSK - Full RB)



Plot 7-97. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 65 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 05 01 205
	·		V2.2 09/07/2023





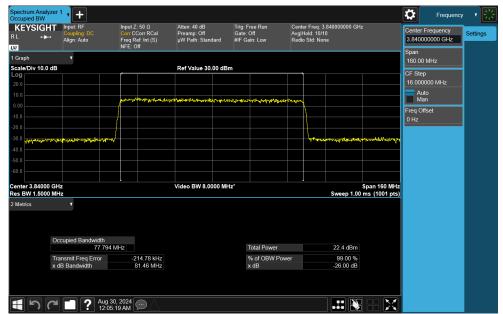
Plot 7-98. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 16-QAM - Full RB)

KEYSIG⊦ □ →	Coupling: DC	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	Atten: 40 dB Preamp: Off μW Path: Standard	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:	q: 3.840000000 GHz 10/10 None		Center Frequency 3.840000000 GHz	Settings
Graph	•							Span 160.00 MHz	
cale/Div 10.0	dB	-r	Ref Value 30.00 c	iBm				CF Step	
20.0								16.000000 MHz	
		- and the second second second	and an	eynnewnau er fan branne.	may			Auto Man	
0.0		1			1			Freq Offset	
20.0								0 Hz	
	handerproved and an and an and and and				Len	webergegenerationale	lan the state		
40.0									
enter 3.84000 es BW 1.5000		•	Video BW 8.0000	MHz*	+		Span 160 MHz ms (1001 pts)		
Metrics	Occupied Bandwidth								
	77.814 N	/Hz		Total Power		25.3 dBm			
	Transmit Freq Error x dB Bandwidth	-225.62 kHz 81.43 MHz		% of OBW Po x dB	wer	99.00 % -26.00 dB			

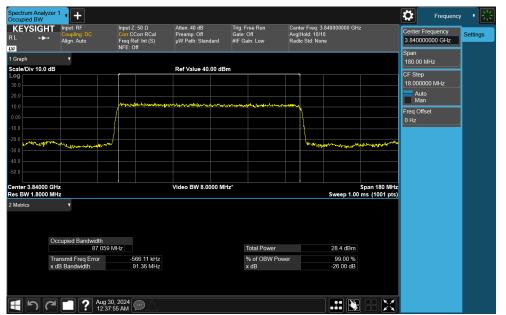
Plot 7-99. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 66 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 00 01 205
	·	·	V2.2 09/07/2023





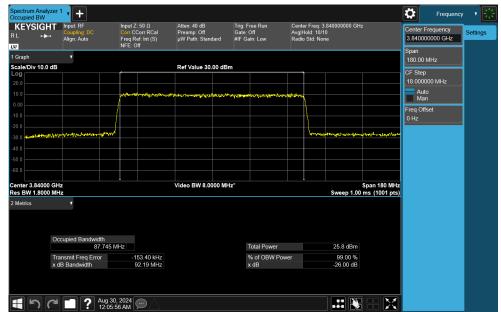
Plot 7-100. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 256-QAM - Full RB)



Plot 7-101. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 67 of 265	
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Page 67 of 265	
			V2.2 09/07/2023	





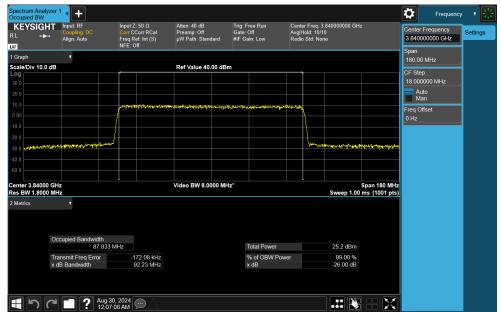
Plot 7-102. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM QPSK - Full RB)

KEYSIGH ⁻ ↓ ↔	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	Atten: 40 dB Preamp: Off μW Path: Standard	Trig: Free Run Gate: Off #IF Gain: Low	Avgl	er Freq: 3 Hold: 10/1 o Std: Noi			Center Frequency 3.840000000 GHz	Settings
Graph	•								Span 180.00 MHz	
ale/Div 10.0 d	В	_	Ref Value 30.00 dE	Bm					CF Step	
									18.000000 MHz	
.0		front on the out-optical splant space	and the second	ĸĸŷĿŦſġĿĊŢĸŢŔĊŢŎĊŢŔŎ	ar an	\ \			Auto Man	
.0		/				1			Freq Offset	
						l l			0 Hz	
	ame afren and a decrem	A				m	-	-		
.0										
.0										
.0										
nter 3.84000 (s BW 1.8000 I			Video BW 8.0000 M	Hz*				Span 180 MHz ms (1001 pts)		
Aetrics	Y									
	Occupied Bandwidth 87.720	MHz		Total Power			25.8 dBm			
	Transmit Freq Error	-212.51 kHz		% of OBW Po	ower		99.00 %			
	x dB Bandwidth	92.18 MHz		x dB			-26.00 dB			

Plot 7-103. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 68 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 66 01 205
	·	·	V2.2 09/07/2023





Plot 7-104. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 64-QAM - Full RB)

KEYSIGHT	Input: RF Coupling: DC Align: Auto		Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S)	Atten: 40 dB Preamp: Off µW Path: Stand	Ga	ig: Free Run ate: Off F Gain: Low	Avg	er Freq: 3 Hold: 10/1 o Std: Noi	.840000000 GH: 0 ne	:		requency 00000 GHz	Settings
a	ľ		NFE: Off								Span		
Graph											180.00	MHz	
cale/Div 10.0 de	3			Ref Value 30.	UU aBm			<u> </u>			CF Step		1
												000 MHz	
			mound	the mapping	-	yern ^{an} adilmadilaans ^a shydd	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				Aut Mai		
								N			Freq Off	set	1
											0 Hz		
-20.0													
-40.0	approximents of the second	e. Japan 14							and any states	www.papersection.com			
-50.0													
-60.0													
Center 3.84000 G Res BW 1.8000 N				Video BW 8.00	00 MHz*					Span 180 MHz ms (1001 pts)			
2 Metrics													
C	Occupied Bandwid	lth											
	87	7.765 MI	Hz			Total Power			22.2 dBm				
	ransmit Freq Erro dB Bandwidth	or -	-183.32 kHz 92.17 MHz			% of OBW P x dB	ower		99.00 % -26.00 dB				
			92.17 MHZ			XUB			-20.00 UB				
	OD Danowidan												
	ob bandwider												
		Aug 30,											

Plot 7-105. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 69 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 09 01 205
			V2.2 09/07/2023





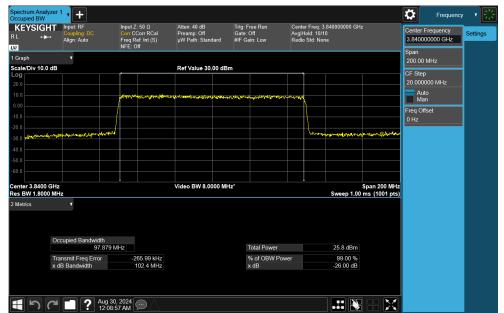
Plot 7-106. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM π/2 BPSK - Full RB)



Plot 7-107. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 70 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 70 01 205
	·		V2.2 09/07/2023





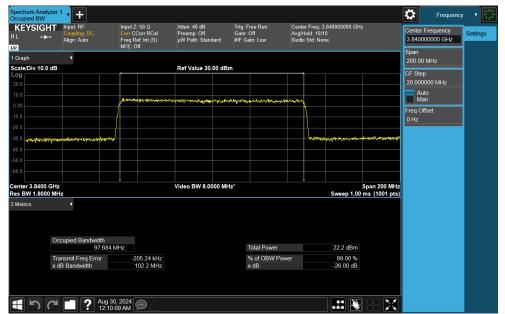
Plot 7-108. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 16-QAM - Full RB)

KEYSIGH	Coupling: DC	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	Atten: 40 dB Preamp: Off μW Path: Standard	Trig: Free Run Gate: Off #IF Gain: Low	Avg F	er Freq: 3 Hold: 10/1 o Std: Nor			Center Frequency 3.840000000 GHz	Settings
Graph	•								Span 200.00 MHz	
cale/Div 10.0 d	iB		Ref Value 30.00 dB	m					CF Step	=
.og 20.0									20.000000 MHz	
			hand and the start and a strange of the start of the star	parameter for some of the south s	arybyw ^{ar} trae	1			Auto Man	
0.00									Freq Offset 0 Hz	
						1			0112	
-30.0 mm	man and all and and	~/				man	And Angeleric and a state of the state of	n/Url/Warparkala		
Center 3.8400 G		•	Video BW 8.0000 Mi	Hz*				Span 200 MHz		
Res BW 1.8000	MHz						Sweep 1.00	ms (1001 pts)		
2 Metrics	Occupied Bandwidth									
		7 MHz		Total Power			25.3 dBm			
	Transmit Freq Error x dB Bandwidth	-181.05 kHz 102.3 MHz		% of OBW Po x dB	ower		99.00 % -26.00 dB			

Plot 7-109. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 71 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage / 1 01 205
			V2.2 09/07/2023





Plot 7-110. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 72 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 72 01 205
			\/2 2 09/07/2023



7.3 Spurious and Harmonic Emissions at Antenna Terminal §2.1051, §27.53(I), §27.53(I)

Test Overview and Limit

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 - Section 6.0

Test Settings

- 1. Start frequency was set to 30MHz and stop frequency was set to 10GHz (separated into at least two plots per channel)
- 2. Detector = RMS
- 3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
- 4. Sweep time = auto couple
- 5. The trace was allowed to stabilize
- 6. Please see test notes below for RBW and VBW settings

Test Setup

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

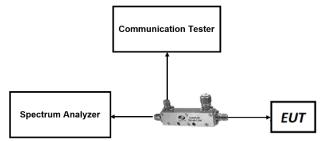


Figure 7-3. LTE Test Instrument & Measurement Setup



Figure 7-4. FR1 Test Instrument & Measurement Setup

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 73 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 75 01 205
		-	V2 2 09/07/2023



Test Notes

- 1. Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
- 2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 74 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Page 74 of 265
			V2 2 09/07/2023



NR Band n77 PC2 DoD-Band



Plot 7-111. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-112. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 75 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 75 01 205
		·	V2 2 09/07/2023





Plot 7-113. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-114. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 76 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 76 01 205
			V2.2 09/07/2023





Plot 7-115. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)



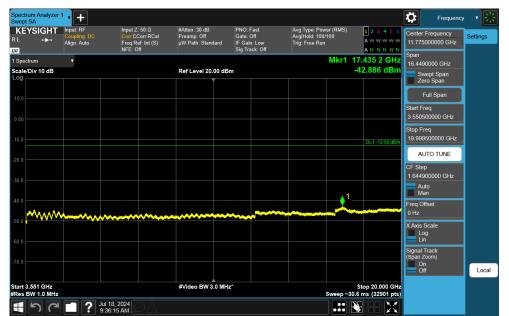
Plot 7-116. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 77 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 77 01 205
			V2.2 09/07/2023





Plot 7-117. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-118. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 78 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Faye 10 01 200
		÷	V2 2 09/07/2023





Plot 7-119. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

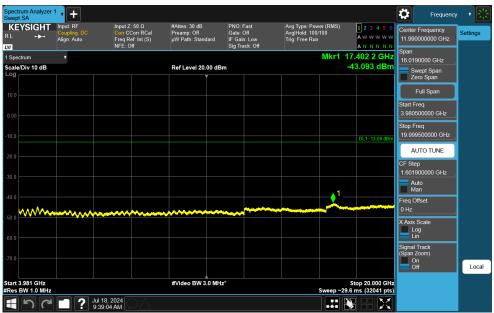
FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 79 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 79 01 205
			V2 2 09/07/2023



NR Band n77 PC2 C-Band



Plot 7-120. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-121. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 80 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 60 01 205
	÷		V2 2 09/07/2023





Plot 7-122. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-123. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 81 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage of 01 205
<u></u>			V2.2 09/07/2023





Plot 7-124. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)



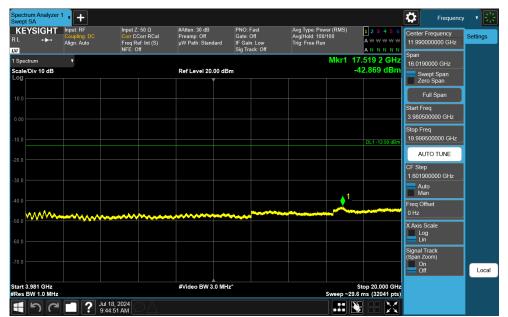
Plot 7-125. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 82 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 62 01 205
			V2.2 09/07/2023





Plot 7-126. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-127. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 83 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 03 01 205
			V2.2 09/07/2023





Plot 7-128. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 84 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 64 01 205
			V2 2 09/07/2023



7.4 Band Edge Emissions at Antenna Terminal §2.1051, §27.53(I), §27.53(n)

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 maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section. All ports were tested and only the worst case data was reported.

For NR FR1 Band n77, the minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 - Section 6.0

Test Settings

- 1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
- 2. Span was set large enough so as to capture all out of band emissions near the band edge
- 3. RBW > 1% of the emission bandwidth
- 4. VBW \geq 3 x RBW
- 5. Detector = RMS
- 6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
- 7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
- 8. Sweep time = auto couple
- 9. The trace was allowed to stabilize

Test Setup

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

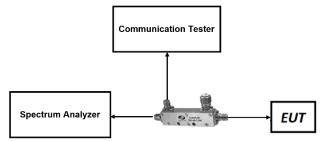


Figure 7-5. LTE Test Instrument & Measurement Setup



Figure 7-6. FR1 Test Instrument & Measurement Setup

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 85 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 65 01 205
		÷	V2 2 09/07/2023



Test Notes

- 1. Per Part 27.53(I), compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 1MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth shall be 500kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
- 2. Per Part 27.53(n), compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 1MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth shall be 500kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
- 3. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

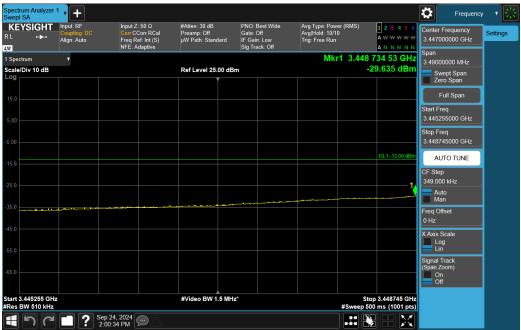
FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 86 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 60 01 205
			1/2 2 09/07/2023



NR Band n77 DoD-Band



Plot 7-129. Lower ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK - Full RB)



Plot 7-130. Lower ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 87 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 67 01 205
			V/2 2 09/07/2023



KEYSIGHT Input: RF Coupling Align: Au	RCal Preamp:Off it (S) µW Path:Stand	PNO: Balanced Gate: Off ard IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A \\ \\ \\ \\ \\ \\ A N N N N N N	Center Frequency 3.449500000 GHz	Settings
pectrum v ale/Div 10 dB	Ref Level 25.	00 dBm		9 946 4 GHz 25.559 dBm	900.000000 kHz	
^g					Swept Span Zero Span	
					Full Span	
					Start Freq 3.449050000 GHz	
					Stop Freq 3.449950000 GHz	
.0				DL1 -13.00 dBm	AUTO TUNE	
.0				1	CF Step 90.000 kHz	
					Auto Man	
0					Freq Offset 0 Hz	
					X Axis Scale Log Lin	
					Signal Track	Γ_
					(Span Zoom) On Off	
rt 3.4490500 GHz es BW 100 kHz	#Video BW 3	00 kHz*		p 3.4499500 GHz 00 ms (1001 pts)		

Plot 7-131. Lower ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-132. Lower ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 88 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 66 01 205
			V2.2 09/07/2023



KEYSIGHT └ +→- I	Input: RF Coupling: DC Align: Auto	Input Z: Corr CC Freq Re NFE: Ac	orr RCal f: Int (S)	#Atten: 30 dB Preamp: Off μW Path: Stand	G dard IF	NO: Fast ate: Off [:] Gain: Low ig Track: Off	Avg Type: Pow Avg Hold: 10/1 Trig: Free Run	0	1 2 3 4 5 6 A w w w w w A N N N N N	Center Frequency 3.597490000 GHz Span	Setting:
Spectrum cale/Div 10 dB	•			Ref Level 25.	00 dBm				.553 59 GHz 21.282 dBm	104.020000 MHz	_
5.0										Zero Span Full Span	
.00										Start Freq 3.545480000 GHz	
00										Stop Freq 3.649500000 GHz	
i.0										AUTO TUNE CF Step	
.0										10.402000 MHz Auto Man	
		\sim	~							Freq Offset 0 Hz	
.0										X Axis Scale Log Lin	
						and an address of the second	HAN	900-00-000Bbbe	Canada ang ang ang ang ang ang ang ang ang an	Signal Track (Span Zoom) On	
art 3.54548 GHz				#Video BW 3	0 MHz*				top 3.64950 GHz	- Off	
es BW 1.0 MHz									00 ms (1001 pts)		

Plot 7-133. Upper ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK - Full RB)

Cou	it: RF pling: DC n: Auto	Input Z: Corr CC Freq Re NFE: Ac	orr RCal f: Int (S)	#Atten: 30 dB Preamp: Off µW Path: Stand		PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power Avg Hold: 10/10 Trig: Free Run	(RMS)	1 2 3 4 5 6 A \vee v \vee v \vee v A N N N N N N	Center Frequency 3.550500000 GHz Span	Settings
Spectrum v				Ref Level 25.	00 dBm		Mkr1		257 94 GHz 0.506 dBm	490.000000 kHz	
og				,						Zero Span Full Span	
00										Start Freq 3.550255000 GHz	
										Stop Freq 3.550745000 GHz	
i.0 _ 1									DL1 -13.00 dBm	AUTO TUNE	
i.0										CF Step 49.000 kHz	
										Auto Man	
.0										Freq Offset 0 Hz	
										X Axis Scale Log Lin	
										Signal Track (Span Zoom) On	
rt 3.5502550 GHz es BW 510 kHz				#Video BW 1	.5 MHz*				3.5507450 GHz) ms (1001 pts)	Off	

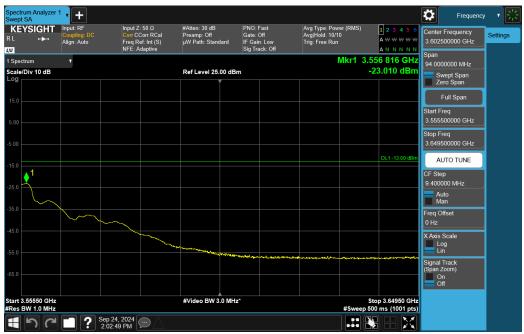
Plot 7-134. Upper ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 89 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 09 01 200
			V2.2 09/07/2023



Keysight → I	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W A N N N N N	Center Frequency 3.553000000 GHz Span	Setting
Spectrum ale/Div 10 dB	۲		Ref Level 25.00 di	Зm		i3 503 1 GHz -29.809 dBm	3.90000000 MHz	
bg			Ĭ				Zero Span Full Span	
							Start Freq	
							3.551050000 GHz Stop Freq	
0						DL1 -13.00 dBm	3.554950000 GHz	
0							CF Step 390.000 kHz	
0							Auto Man	
0							Freq Offset 0 Hz	
0							X Axis Scale Log Lin	
.0							Signal Track (Span Zoom)	
							On Off	
rt 3.551050 GH s BW 100 kHz	2		#Video BW 300 ki	∃z*		top 3.554950 GHz 500 ms (1001 pts)		

Plot 7-135. Upper ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-136. Upper ACP Plot (NR Band n77 DoD-Band - 10MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 90 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 90 01 205
	·		V2.2 09/07/2023





Plot 7-137. Lower ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)

rept SA T KEYSIGHT Input: RF - → Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A \vee vee vee vee vee vee vee vee vee ve	Center Frequency 3.447000000 GHz	Settings
Spectrum ▼ ale/Div 10 dB		Ref Level 25.00 dB	m		5 268 96 GHz -30.616 dBm	Span 3.49000000 MHz Swept Span	
5.0						Zero Span Full Span	
						Start Freq 3.445255000 GHz Stop Freq	
					DL1 -13.00 dBm	3.448745000 GHz	
.0 <u> </u>						CF Step 349.000 kHz	
.0				,,,,		Auto Man Freg Offset	
						0 Hz X Axis Scale	
						Log Lin Signal Track	
						(Span Zoom) On Off	
rt 3.445255 GHz es BW 510 kHz		#Video BW 1.5 MH	z*		top 3.448745 GHz 500 ms (1001 pts)		

Plot 7-138. Lower ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 91 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 91 01 205
			V2.2 09/07/2023



KEYSIGHT └───	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.449500000 GHz Span	Setting
Spectrum ale/Div 10 dB	۲		Ref Level 25.00 di	3m		9 923 30 GHz -27.919 dBm	850.000000 kHz	
5.0							Zero Span Full Span	
							Start Freq 3.449075000 GHz	
							Stop Freq 3.449925000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
						1	85.000 kHz Auto Man	
.0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
0							Signal Track (Span Zoom)	
							On Off	
rt 3.4490750 GH es BW 150 kHz	z		#Video BW 470 kł	12*		op 3.4499250 GHz 500 ms (1001 pts)		

Plot 7-139. Lower ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-140. Lower ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 92 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 92 01 205
			V2.2 09/07/2023





Plot 7-141. Upper ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK - Full RB)

KEYSIGHT Input: RF Coupling: I Align: Auto	Input Z: Corr CC Freq Re NFE: Ad	orr RCal f: Int (S)	#Atten: 30 dB Preamp: Off µW Path: Stand	G lard IF	NO: Best Wide ate: Off [:] Gain: Low ig Track: Off	Avg Type: Power Avg Hold: 10/10 Trig: Free Run		1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N N	Center Frequency 3.550500000 GHz Span	Settings
spectrum v ale/Div 10 dB			Ref Level 25.	00 dBm		Mkr1		43 04 GHz 5.363 dBm	490.000000 kHz	
			Rei Level 25.	oo abm			-2.	5.505 dBm	Swept Span Zero Span	
5.0									Full Span	
00									Start Freq 3.550255000 GHz	
									Stop Freq 3.550745000 GHz	
								DL1 -13.00 dBm	AUTO TUNE	
i.0 <u> </u>								1	CF Step 49.000 kHz	
									Auto Man	
									Freq Offset 0 Hz	
0									X Axis Scale Log Lin	
.0									Signal Track (Span Zoom)	
									On Off	
rt 3.5502550 GHz es BW 510 kHz			#Video BW 1	5 MHz*				8.5507450 GHz ms (1001 pts)		

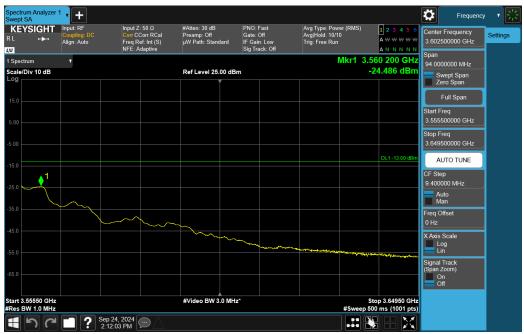
Plot 7-142. Upper ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 93 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 95 01 205
			V2.2 09/07/2023



(EYSIGHT ↓ ↓ ↓ ↓	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.553000000 GHz Span	Settings
Spectrum ale/Div 10 dB	۲		Ref Level 25.00 di	3m		l 687 15 GHz -30.021 dBm	3.85000000 MHz	J
pg			Ĭ				Zero Span	
							Full Span	
							Start Freq 3.551075000 GHz	
							Stop Freq 3.554925000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
.0							CF Step 385.000 kHz	
							Auto Man	
							Freq Offset 0 Hz	
0							X Axis Scale Log Lin	
0							Signal Track (Span Zoom)	1
							On Off	
rt 3.551075 GH	z		#Video BW 470 kł	łz*		top 3.554925 GHz 500 ms (1001 pts)		

Plot 7-143. Upper ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-144. Upper ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 94 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 94 01 205
			V2.2 09/07/2023



(EYSIGHT →→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standa	PNO: Fast Gate: Off ard IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.397500000 GHz Span	Settings
pectrum ale/Div 10 dB	•		Ref Level 25.0	0 dBm	Mkr1 3	.437 168 GHz -26.879 dBm	94.0000000 MHz	
g			Ĭ				Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
						1	9.400000 MHz	
						/	Man Freq Offset 0 Hz	
0							X Axis Scale Log Lin	
0 .0							Signal Track (Span Zoom) On	
rt 3.35050 GHz			#Video BW 3.0	0 MHz*	#Sweer	Stop 3.44450 GHz 500 ms (1001 pts)		

Plot 7-145. Lower ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

	nput: RF Coupling: DC Align: Auto	Input Z: 50 Corr CCorr Freq Ref: I NFE: Adap	RCal nt (S)	#Atten: 30 dB Preamp: Off µW Path: Stand	lard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Powe Avg Hold: 10/10 Trig: Free Run	r (RMS)	1 2 3 4 5 6 A \vee v \vee v \vee v A N N N N N N	Center Frequency 3.447000000 GHz Span	Setting
Spectrum cale/Div 10 dB	•			Ref Level 25.	00 dBn	n	Mkr		291 30 GHz 9.878 dBm	3.49000000 MHz	_
5.0										Zero Span Full Span	
										Start Freq 3.445255000 GHz	
										Stop Freq 3.448745000 GHz	
5.0									DL1 -13.00 dBm	AUTO TUNE	
5.0								1		349.000 kHz Auto Man	
										Freq Offset 0 Hz	
5.0										X Axis Scale Log Lin	
5.0										Signal Track (Span Zoom) On	
art 3.445255 GHz				#Video BW 1	5 MHz			Stor	o 3.448745 GHz	Off	
Res BW 510 kHz		24, 2024						0 ms (1001 pts)			

Plot 7-146. Lower ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 95 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 95 01 205
			V2.2 09/07/2023



Co	put: RF pupling: DC ign: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standa	PNO: Balanced Gate: Off rd IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.449500000 GHz Span	Setting
Spectrum ale/Div 10 dB	•		Ref Level 25.0	0 dBm		19 896 0 GHz -27.633 dBm	800.000000 kHz	
			Rei Levei 23.0				Swept Span Zero Span	
5.0							Full Span	
00							Start Freq 3.449100000 GHz	
							Stop Freq 3.449900000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
0						1	CF Step 80.000 kHz	
0							Auto Man	
							Freq Offset 0 Hz	
0							X Axis Scale Log Lin	1
							Signal Track (Span Zoom)	
							On Off	
rt 3.4491000 GHz es BW 200 kHz			#Video BW 62	0 kHz*		op 3.4499000 GHz 500 ms (1001 pts)		

Plot 7-147. Lower ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-148. Lower ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 96 of 265	
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 90 01 200	
	•		V2.2 09/07/2023	





Plot 7-149. Upper ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

ept SA	: DC Corr C to Freq F	Z:50Ω Corr RCal Ref:Int (S) Adaptive	#Atten: 30 dB Preamp: Off µW Path: Stand	Gate: ard IFGa	Best Wide Off in: Low ack: Off	Avg Type: Powe Avg Hold: 10/10 Trig: Free Run		1 2 3 4 5 6 A w w w w w	Frequency Center Frequency 3.550500000 GHz	Settings
pectrum V	NFE:	Adaptive		Sig T	аск: Оff	Mkr	1 3 550	ANNNNN 256 96 GHz	Span	
ale/Div 10 dB			Ref Level 25.	00 dBm				24.669 dBm	490.000000 kHz	
g									Zero Span	
.0									Full Span	
00									Start Freq 3.550255000 GHz	
									Stop Freq 3.550745000 GHz	
.0								DL1 -13.00 dBm	AUTO TUNE	
1									CF Step 49.000 kHz	
									Auto Man	
									Freq Offset 0 Hz	
0									X Axis Scale Log Lin	
0									Signal Track (Span Zoom)	
									On Off	
rt 3.5502550 GHz s BW 510 kHz			#Video BW 1.	5 MHz*				o 3.5507450 GHz 10 ms (1001 pts)		

Plot 7-150. Upper ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 97 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 97 01 205
	·		V2.2 09/07/2023



KEYSIGHT └ →→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W A N N N N N	Center Frequency 3.553000000 GHz Span	Setting
Spectrum cale/Div 10 dB	Ţ		Ref Level 25.00 dE	m		i1 130 4 GHz -31.333 dBm	3.80000000 MHz	
5.0			Ĭ				Zero Span Full Span	
							Start Freq 3.551100000 GHz	
0							Stop Freq 3.554900000 GHz	
0						DL1 -13.00 dBm	AUTO TUNE	
.0 _1							CF Step 380.000 kHz	
0							Man Freq Offset	
							0 Hz X Axis Scale Log Lin	
0							Signal Track (Span Zoom) On	
rt 3.551100 GH			#Video BW 620 kH	*		top 3.554900 GHz	Off	
es BW 200 kHz			#11400 B11 020 Ki			i00 ms (1001 pts)		

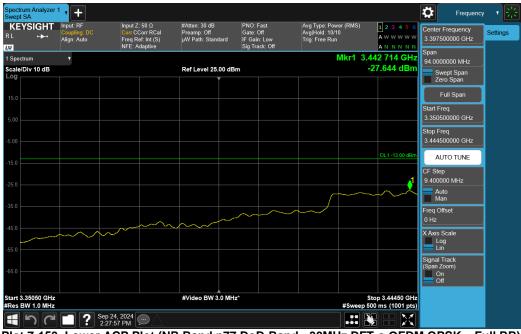
Plot 7-151. Upper ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-152. Upper ACP Plot (NR Band n77 DoD-Band - 20MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 98 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 90 01 200
	·		V2.2 09/07/2023





Plot 7-153. Lower ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

EYSIGHT Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) AvgjHold: 10/10 Trig: Free Run	1 2 3 4 5 6 A \vee vee vee vee vee vee vee vee vee ve	Frequency Center Frequency 3.447000000 GHz	Settings
pectrum v ale/Div 10 dB		Ref Level 25.00 dB	m		⁻ 101 21 GHz -32.165 dBm	Span 3.49000000 MHz Swept Span	
0						Zero Span Full Span	
						Start Freq 3.445255000 GHz Stop Freq	
					DL1 -13.00 dBm	3.448745000 GHz	
0						CF Step 349.000 kHz	
0		\	1			Auto Man Freq Offset	
						0 Hz X Axis Scale	
						Log Lin Signal Track	
						(Span Zoom) On Off	
rt 3.445255 GHz es BW 510 kHz	24, 2024 💭 🛆	#Video BW 1.5 MH	z*		op 3.448745 GHz 00 ms (1001 pts)		

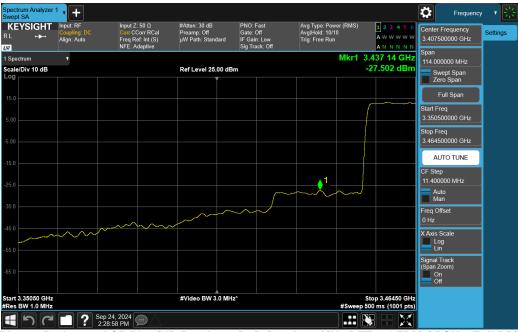
Plot 7-154. Lower ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 99 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 99 01 205
			V2.2 09/07/2023



KEYSIGHT Input: R Couplin Align: A	: DC Corr C ito Freq F	Z: 50 Ω CCorr RCal Ref: Int (S) Adaptive	#Atten: 30 dB Preamp: Off μW Path: Stand	G dard IF	NO: Best Wide ate: Off Gain: Low g Track: Off	Avg Type: Power Avg Hold: 10/10 Trig: Free Run		1 2 3 4 5 6 A W W W W W A N N N N N	Center Fr 3.449500 Span	equency 0000 GHz	Settings
pectrum V			B 41 1 45			Mkı		848 6 GHz 0.629 dBm	700.000	000 kHz	
ale/Div 10 dB			Ref Level 25.	00 dBm			-0	0.029 0611		ot Span Span	
i.0									Fu	l Span	
00									Start Free 3.449150	1 0000 GHz	
									Stop Fred 3.449850	I 0000 GHz	
.0								DL1 -13.00 dBm	AUT	O TUNE	
0									CF Step 70.000 k	Hz	
									Auto Man		
0									Freq Offs 0 Hz	et	
									X Axis Sc Log Lin	ale	
									Signal Tra	ack	
									(Span Zoo On Off	im)	
rt 3.4491500 GHz es BW 300 kHz			#Video BW 9	10 kHz*				3.4498500 GHz) ms (1001 pts)			

Plot 7-155. Lower ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-156. Lower ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 100 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Page 100 01 265
-	•		V2.2 09/07/2023





Plot 7-157. Upper ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

wept SA Imput: RF KEYSIGHT Input: RF L Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Center Frequency 3.550500000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref Level 25.00 dE	Bm) 255 98 GHz -27.836 dBm	490.000000 kHz	
5.0						Zero Span Full Span	
						Start Freq 3.550255000 GHz	
					DL1 -13.00 dBm	Stop Freq 3.550745000 GHz AUTO TUNE	
5.0 1						CF Step 49.000 kHz	
5.0						Auto Man Freq Offset	
						0 Hz X Axis Scale	
						Log Lin Signal Track	
						(Span Zoom) On Off	
art 3.5502550 GHz Res BW 510 kHz		#Video BW 1.5 MH	z*		op 3.5507450 GHz 500 ms (1001 pts)		

Plot 7-158. Upper ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 101 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 101 01 205
			V2.2 09/07/2023



KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W A N N N N N	Center Frequency 3.553000000 GHz Span	Settings
Spectrum ale/Div 10 dB	T		Ref Level 25.00 dE	lm		2 504 2 GHz -30.806 dBm	3.70000000 MHz	1
og			Ĭ				Swept Span Zero Span	
							Full Span	
							Start Freq 3.551150000 GHz	
							Stop Freq 3.554850000 GHz	
0						DL1 -13.00 dBm	AUTO TUNE	
.0							CF Step 370.000 kHz	
		• '					Auto Man	
							Freq Offset 0 Hz	
0							X Axis Scale Log Lin	
							Signal Track (Span Zoom)	1
							On Off	
rt 3.551150 GH es BW 300 kHz			#Video BW 910 k⊦	z*		top 3.554850 GHz 500 ms (1001 pts)		

Plot 7-159. Upper ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-160. Upper ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 102 of 265	
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 102 01 205	
			V2.2 09/07/2023	



KEYSIGHT ≯ I	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Center Frequency 3.397500000 GHz Span	Setting
Spectrum ale/Div 10 dB	*		Ref Level 25.00 dE	m		443 466 GHz 33.967 dBm	94.0000000 MHz	
.0							Zero Span Full Span	
							Start Freq 3.350500000 GHz	
						DL1 -13.00 dBm	Stop Freq 3.444500000 GHz	
.0							AUTO TUNE CF Step 9.400000 MHz	
0						ف	Auto Man	
							Freq Offset 0 Hz X Axis Scale	
·							Log Lin	
							Signal Track (Span Zoom) On Off	
t 3.35050 GHz s BW 1.0 MHz			#Video BW 3.0 MH	z*		top 3.44450 GHz 00 ms (1001 pts)		

Plot 7-161. Lower ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

KEYSIGHT └ ↔·	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.447000000 GHz Span	Settings
Spectrum cale/Div 10 dB	۲		Ref Level 25.00 dB	Bm		3 710 10 GHz -30.389 dBm	3.49000000 MHz	
5.0			Ĭ				Zero Span Full Span	
							Start Freq 3.445255000 GHz	
							Stop Freq 3.448745000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
						•	349.000 kHz Auto Man	
.0	<u> </u>						Freq Offset 0 Hz	
.0							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On	
rt 3.445255 GHz es BW 510 kHz	2		#Video BW 1.5 MH	z*		top 3.448745 GHz 500 ms (1001 pts)	Off Off	

Plot 7-162. Lower ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 103 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 103 01 205
	·	•	V2.2 09/07/2023



KEYSIGHT ⊥ +→ 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.449500000 GHz Span	Setting
Spectrum cale/Div 10 dB	•		Ref Level 25.00 dE	Bm		9 799 4 GHz -27.863 dBm	600.000000 kHz	1
5.0							Zero Span Full Span	
							Start Freq 3.449200000 GHz	
						DL1 -13.00 dBm	Stop Freq 3.449800000 GHz	
5.0							AUTO TUNE CF Step 60.000 kHz	
i.0							Auto Man	
							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On Off	
rt 3.4492000 G es BW 390 kHz			#Video BW 1.2 MH	lz*		op 3.4498000 GHz 500 ms (1001 pts)		

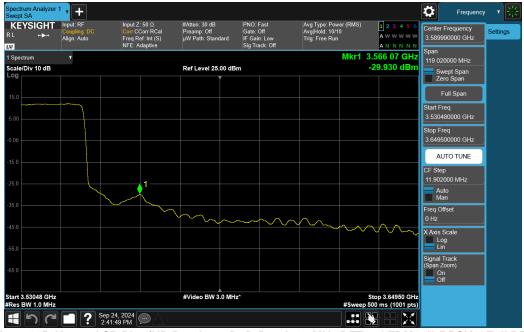
Plot 7-163. Lower ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)



Plot 7-164. Lower ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 104 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 104 01 205
			V2.2 09/07/2023





Plot 7-165. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

KEYSIGHT ⊥ ↔ ₪	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.550500000 GHz Span	Settings
Spectrum cale/Div 10 dB	۲		Ref Level 25.00 dB	m) 255 49 GHz -25.723 dBm	490.000000 kHz	
5.0			Ĭ				Zero Span Full Span	
							Start Freq 3.550255000 GHz	
							Stop Freq 3.550745000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
5.0							CF Step 49.000 kHz	
							Man Freq Offset	
							0 Hz X Axis Scale	
							Log Lin Signal Track	
							(Span Zoom) On Off	
art 3.5502550 GH es BW 510 kHz	iz		#Video BW 1.5 MH	z*		op 3.5507450 GHz 500 ms (1001 pts)		

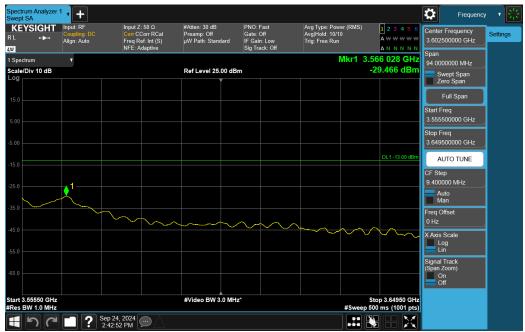
Plot 7-166. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 105 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 105 01 205
			V2.2 09/07/2023



KEYSIGHT ⊥ +→ 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.553000000 GHz Span	Settings
Spectrum cale/Div 10 dB	•		Ref Level 25.00 dE	Bm		51 279 2 GHz -29.822 dBm	3.60000000 MHz Swept Span Zero Span	4
							Full Span	
							Start Freq 3.551200000 GHz	
						DL1 -13.00 dBm	Stop Freq 3.554800000 GHz	
i.0							AUTO TUNE CF Step 360.000 kHz	
.0 1		~ ~					Auto Man	
.0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On Off	
rt 3.551200 GH			#Video BW 1.2 MH	z*		top 3.554800 GHz 500 ms (1001 pts)		

Plot 7-167. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)



Plot 7-168. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 106 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 100 01 205
			V2.2 09/07/2023





Plot 7-169. Lower ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

Spectrum Mkr1 3.4455 663 33 GHZ 3.49000000 MHZ Scale/Dir 10 B Ref Level 25 00 dBm -31.839 dBm -31.839 dBm -31.839 dBm -31.839 dBm -50.9 -50	Input Z: 50 0 #Atten: 30 dB PNO: Best Wide Avg Type: Power (RMS) 1 2 3 4 5 6 Center Frequency Cent CCorr RCal Preamp: Off Gate: Off AvglHold: 10/10 A w w w w w AvglHold: 10/10 A w w w w w AvglHold: 10/10 A w w w w w 3447000000 GH NFE: Adaptive Stg Tack: Off A w N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N	Setting
2 1	Ref Level 25.00 dBm -31.839 dBm swept Span	_
00 1 </td <td>Full Span</td> <td></td>	Full Span	
Image: Constraint of the second se	3.445255000 GH	
image: sign of the second s	3.448745000 GH	
0 Image: Constraint of the constrain	349.000 kHz	
0 X Axis Scale	Freq Offset	
	X Axis Scale Log	
0 Signal Track (Span Zoom) On	Signal Track (Span Zoom)	
rrt 3.445255 GHz #Video BW 1.5 MHz* Stop 3.448745 GHz es BW 510 kHz #Sweep 500 ms (1001 pts)	#Video BW 1.5 MHz* Stop 3.448745 GHz	

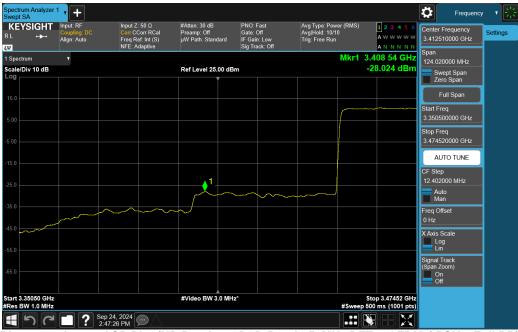
Plot 7-170. Lower ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 107 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	Fage 107 01 205
			V2.2 09/07/2023



	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standa	PNO: Best Wide Gate: Off rd IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) Avg Hold: 10/10 Trig: Free Run	1 2 3 4 5 6 A W W W W A N N N N N	Center Frequency 3.449500000 GHz Span	Settings
pectrum ale/Div 10 dB	•		Ref Level 25.0	0.40		l9 748 5 GHz -30.873 dBm	500.000000 kHz	
g			Ref Level 25.0			-30.073 uBill	Swept Span Zero Span	
							Full Span	
0							Start Freq 3.449250000 GHz	
0							Stop Freq 3.449750000 GHz	
0						DL1 -13.00 dBm	AUTO TUNE	
0							CF Step 50.000 kHz	
						K	Auto Man	
0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	1
							Signal Track	
							(Span Zoom) On Off	
rt 3.4492500 GHz s BW 510 kHz			#Video BW 1.5	MHz*		op 3.4497500 GHz 500 ms (1001 pts)		

Plot 7-171. Lower ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-172. Lower ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA3267	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 108 of 265
1C2410210073-11-R1.BCG	7/1/2024 - 12/25/2024	Tablet Device	
			V2.2 09/07/2023