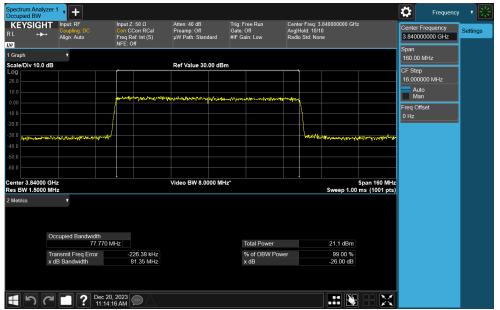




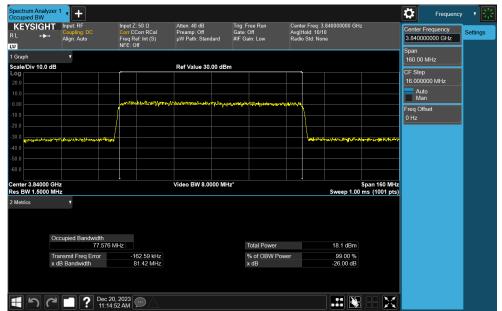
Plot 7-98. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 16-QAM - Full RB)



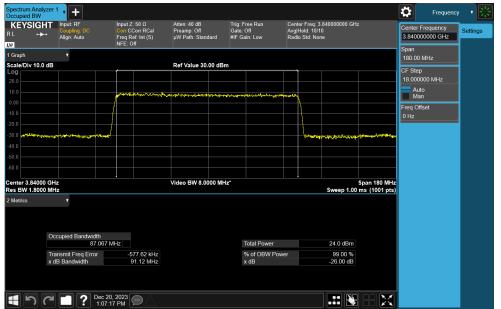
Plot 7-99. Occupied Bandwidth Plot (NR Band n77 C-Band - 80MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 67 of 266
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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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 68 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 00 01 200
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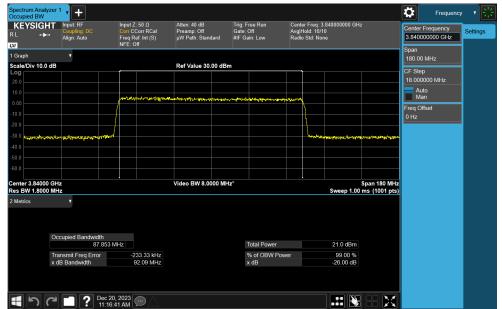
Plot 7-102. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM QPSK - Full RB)



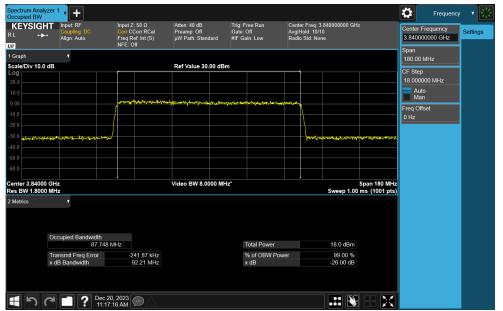
Plot 7-103. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 69 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 69 01 200
	· · · ·		V2.2 09/07/2023





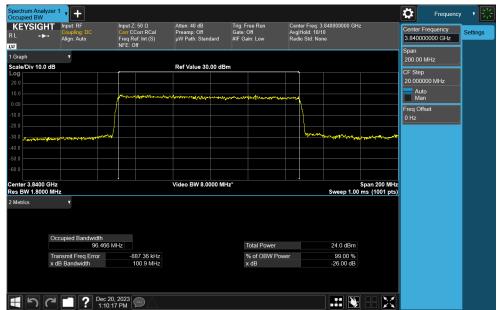
Plot 7-104. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 64-QAM - Full RB)



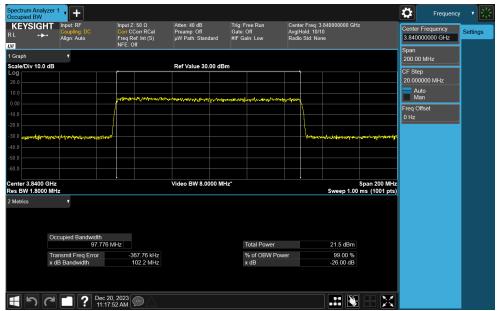
Plot 7-105. Occupied Bandwidth Plot (NR Band n77 C-Band - 90MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 70 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 70 01 200
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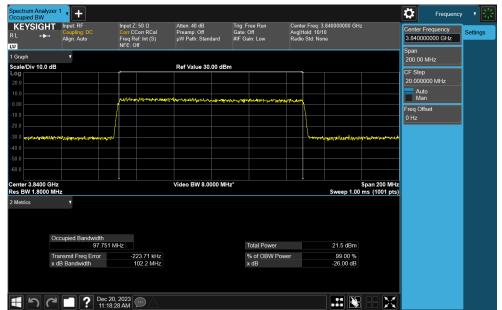
Plot 7-106. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM π/2 BPSK - Full RB)



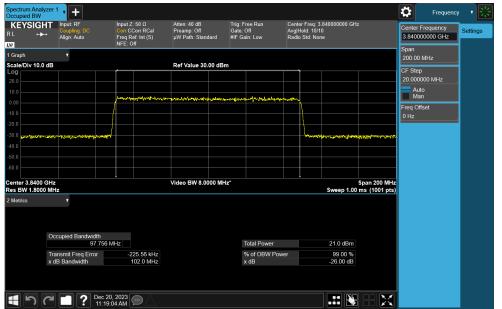
Plot 7-107. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 71 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 71 01 200
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Plot 7-108. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 16-QAM - Full RB)



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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 72 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 72 01 200
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Plot 7-110. Occupied Bandwidth Plot (NR Band n77 C-Band - 100MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 73 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 73 01 200
	·	-	V2 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.

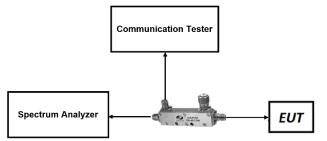


Figure 7-2. Test Instrument & Measurement Setup

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 74 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 74 01 200
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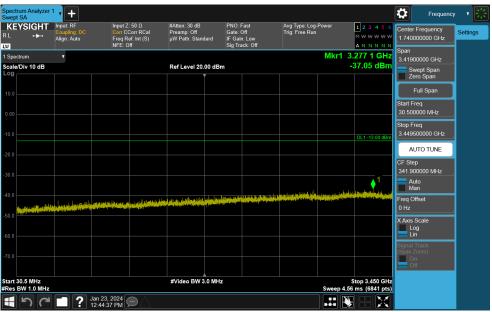
Test Notes

- 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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 75 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 75 01 200
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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)

EYSIGHT Coupling Align: Au	DC Corr C	Corr RCal tef: Int (S)	#Atten: 30 dB Preamp: Off μW Path: Standa		Off	Avg Type: Log- Trig: Free Run	Power	1 2 3 4 5 6 M W W W W A N N N N N	Frequency Center Frequency 11.775000000 GHz	Setting
pectrum v ale/Div 10 dB			Ref Level 20.0	00 dBm				421 2 GHz 31.34 dBm	Span 16.4490000 GHz Swept Span	
g 0			Ĭ						Zero Span Full Span	
									Start Freq 3.550500000 GHz	
								DL1 -13.00 dBm	Stop Freq 19.999500000 GHz	
							. 1		AUTO TUNE CF Step	
	Lu ald Ashikatikatik	Log and the second second	(and graph and a start and	doubled on such	and the second	n (jersterense seiter			1.644900000 GHz Auto Man	
			<u>éri én</u> tre	Materillian ar an di		al Ministra - Ankana - y Libira n			Freq Offset 0 Hz	
									X Axis Scale Log Lin	
									Signal Track (Span Zoom) On Off	
rt 3.551 GHz s BW 1.0 MHz	? Jan 23, 2024 12:45:25 PM		#Video BW 3.	0 MHz			Steep ~30.6 i	op 20.000 GHz ns (32901 pts)		

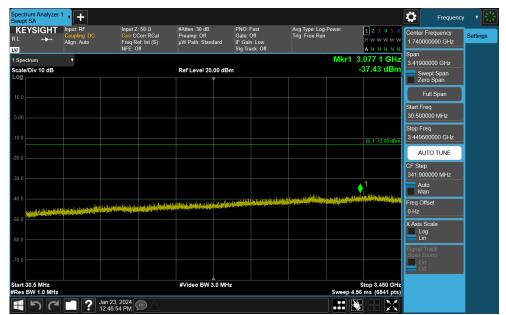
Plot 7-112. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Page 76 of 266
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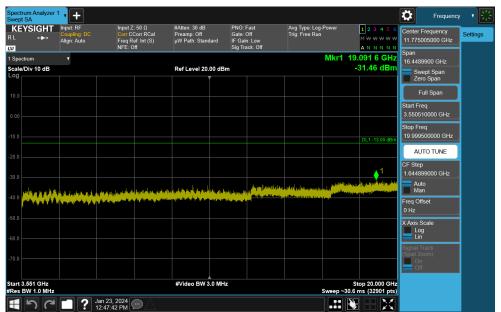
Plot 7-113. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)



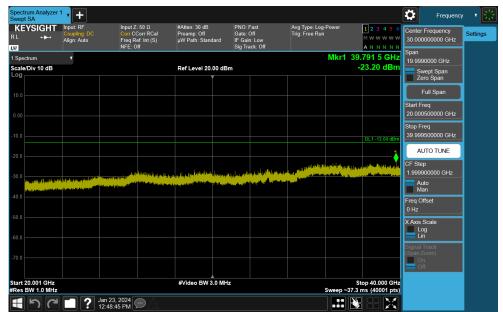
Plot 7-114. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 77 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 77 01 200
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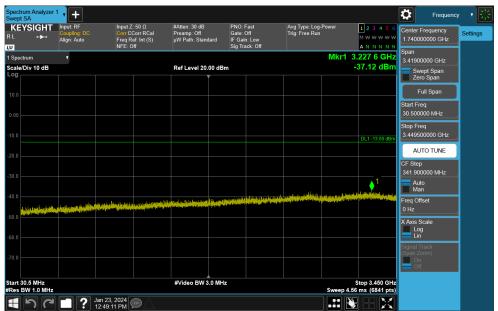
Plot 7-115. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)



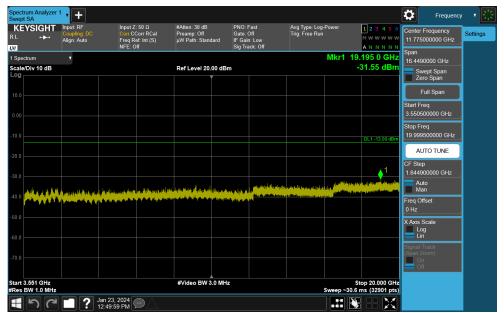
Plot 7-116. Conducted Spurious Plot (NR Band n77 DoD Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 78 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 78 01 200
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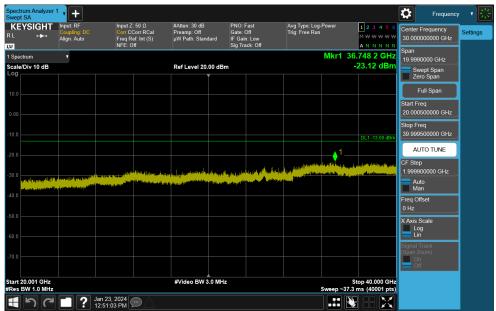
Plot 7-117. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)



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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 79 01 200
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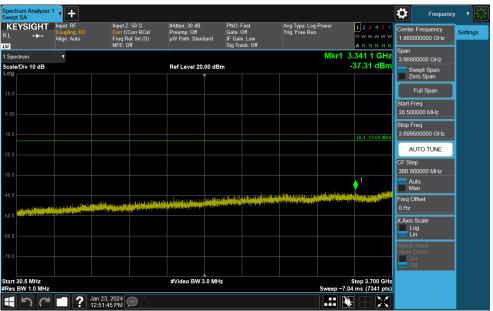


Plot 7-119. Conducted Spurious Plot (NR Band n77 DoD Band - 90MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

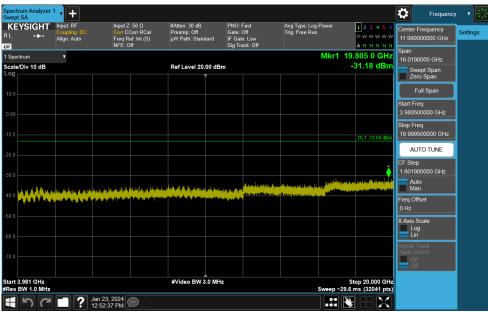
FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 80 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 60 01 200
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NR Band n77 PC2 C-Band



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



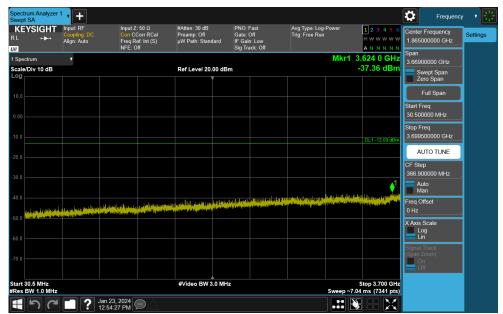
Plot 7-121. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 81 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage of 01 200
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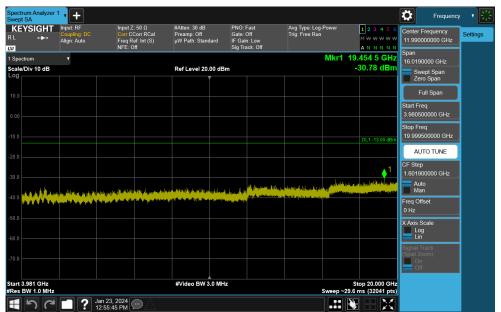
Plot 7-122. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Low Channel)



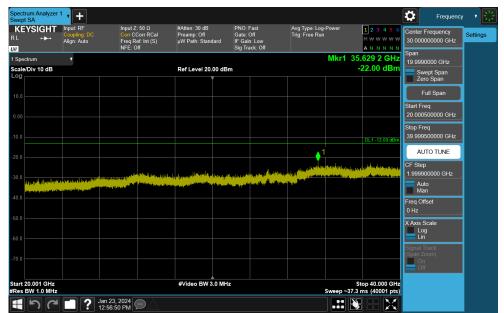
Plot 7-123. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 82 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 62 01 200
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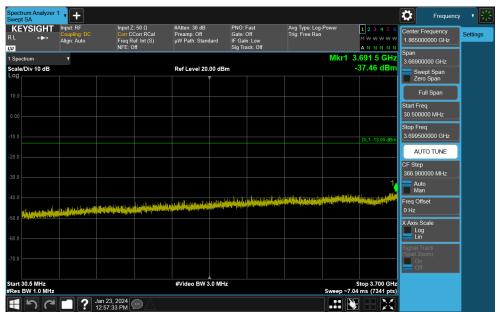
Plot 7-124. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)



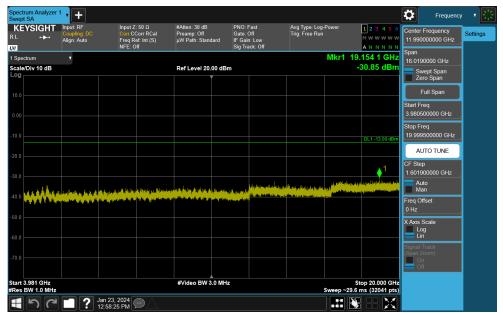
Plot 7-125. Conducted Spurious Plot (NR Band n77 C-Band - 100MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 03 01 200
			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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 04 01 200
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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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 05 01 200
			\/2 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 ≥ 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.

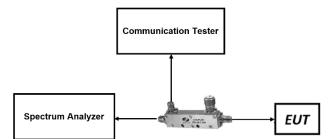


Figure 7-3. Test Instrument & Measurement Setup

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 86 of 266
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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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 87 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 67 01 200
			1/2 2 09/07/2023



NR Band n77 DoD-Band





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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 88 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Faye oo ui 200
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KEYSIGHT Input: RF L Input: RF Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \to	Center Frequency 3.449500000 GHz Span	Settings
Spectrum v cale/Div 10 dB		Ref Level 25.00 dB	m		49 949 1 GHz -29.169 dBm	900.000000 kHz	2
5.0		Ť				Zero Span Full Span	
						Start Freq 3.449050000 GHz	
						Stop Freq 3.449950000 GHz	
5.0					DL1 -13.00 dBm	AUTO TUNE CF Step	
					1	90.000 kHz Auto Man	L
.0						Freq Offset 0 Hz	
i.0						X Axis Scale Log Lin	1
						Signal Track (Span Zoom) On	
art 3.4490500 GHz		#Video BW 300 kH	z	St	op 3.4499500 GHz	Off	Loc
art 3.4490500 GHz Res BW 100 kHz	3, 2024	#Video BW 300 kH	z	#Sweep	op 3.4499500 GHz 500 ms (1001 pts)		

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

KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 5 Corr CCo Freq Ref NFE: Off	orr RCal : Int (S)	#Atten: 26 dB Preamp: Off µW Path: Stand	Ga dard IF	IO:Fast ate:Off Gain:Low g Track:Off	Avg Type: Log- Trig: Free Run		1 2 3 4 5 6 A \two \two \two \two \two \two \two \two	Center Frequency 3.402505000 GHz Span	Settings
Spectrum cale/Div 10 dB	v			Ref Level 25.	00 dBm				147 65 GHz 9.824 dBm	104.010000 MHz	1
5.0				`						Zero Span Full Span	
										Start Freq 3.350500000 GHz	
										Stop Freq 3.454510000 GHz	
										AUTO TUNE CF Step	
									1	10.401000 MHz Auto Man	1
									~	Freq Offset 0 Hz	
5.0										X Axis Scale Log Lin	1
5.0										Signal Track (Span Zoom) On	
tart 3.35050 GHz				#Video BW 3	0 MHz			Str	op 3.45451 GHz	Off	Loca

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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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vept SA KEYSIGHT ∟ →→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \two types w	Center Frequency 3.597490000 GHz	Settings
Spectrum cale/Div 10 dB			Ref Level 25.00 dE	lm		3.552 66 GHz -35.491 dBm	Span 104.020000 MHz	
5.0							Zero Span Full Span	
							Start Freq 3.545480000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE CF Step	
.0							10.402000 MHz Auto Man	
.0	*						Freq Offset 0 Hz	
.0							X Axis Scale Log Lin	
.0							Signal Track (Span Zoom)	
							On Off	Loc
rt 3.54548 GHz es BW 1.0 MHz		27, 2024	#Video BW 3.0 MH	Z	#Sweep	Stop 3.64950 GHz 500 ms (1001 pts)		

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

Spectrum Analyzer * Swept SA							Frequenc	y y 🗜
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \two \two \two \two \two \two \two \two	Center Frequency 3.550500000 GHz	Settings
Spectrum	T				Mkr1 3.55	0 256 96 GHz	Span 490.000000 kHz	
cale/Div 10 dB			Ref Level 25.00 dE	3m		-25.812 dBm	Swept Span	
							Zero Span Full Span	
							Start Freq 3.550255000 GHz	
							Stop Freq 3.550745000 GHz	
5.0						DL1 -13.00 dBm	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	Loca
art 3.5502550 GH Res BW 510 kHz	z		#Video BW 1.5 MH	İz		top 3.5507450 GHz 500 ms (1001 pts)		
って	Jan 12:	01:19 AM						

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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 90 of 266
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	·	·	V2.2 09/07/2023



KEYSIGHT ⊥ ↔	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.553000000 GHz Span	Setting
Spectrum cale/Div 10 dB	T		Ref Level 25.00 dB	Im	Mkr1	3.551 822 2 GHz -40.415 dBm	3.90000000 MHz	
5.0							Zero Span Full Span	
							Start Freq 3.551050000 GHz	
							Stop Freq 3.554950000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
							390.000 kHz Auto Man	
	1						Freq Offset 0 Hz	
0				u_lon ^{lond} outhell	Lander and the standard and the standard stand	Lal <u>ala</u> lan	X Axis Scale Log Lin	
							Signal Track (Span Zoom) On	
rt 3.551050 GH;	2		#Video BW 300 kH	Iz		Stop 3.554950 GHz	Off	Loc
art 3.551050 GH: Res BW 100 kHz		27, 2024 01:50 AM	#Video BW 300 k⊦	z	#Sv	Stop 3.554950 GHz veep 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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 91 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 91 01 200
			V2.2 09/07/2023



KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Powe Trig: Free Run	f 1 2 3 4 5 6 ∧₩₩₩₩₩ A N N N N N	Center Frequency 3.397500000 GHz	Setting
Spectrum cale/Div 10 dB			Ref Level 25.00 dE	im	Mkr	1 3.444 406 GHz -34.055 dBm	Span 94.0000000 MHz	
5.0							Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
						1	9.400000 MHz Auto Man	
5.0					· ·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Freq Offset 0 Hz	
5.0							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On Off	Loc
art 3.35050 GHz es BW 1.0 MHz			#Video BW 3.0 MH	İz	#91	Stop 3.44450 GHz weep 500 ms (1001 pts)		
1 57	2 Jan	27, 2024						

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

Spectrum Analyzer Swept SA							Frequency	· • 🔀
KEYSIGHT RL ↔	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Center Frequency 3.447000000 GHz Span	Settings
1 Spectrum	V					8 123 78 GHz	Span 3.49000000 MHz	
Scale/Div 10 dB			Ref Level 25.00 dE	3m		-32.921 dBm	Swept Span Zero Span	
							Full Span	
							Start Freq	
							3.445255000 GHz	
-5.00							Stop Freq 3.448745000 GHz	
-5.00						DL1 -13.00 dBm	AUTO TUNE	
15.0							CF Step	
-25.0							CF Step 349.000 kHz	
					∮ 1		Auto Man	
				<u></u>			Freq Offset	
							0 Hz	
							X Axis Scale Log Lin	
							Signal Track	
							(Span Zoom) On	
							- Off	Local
Start 3.445255 GHz #Res BW 510 kHz			#Video BW 1.5 Mi	lz		top 3.448745 GHz 500 ms (1001 pts)		
150	7 Jan	27, 2024 11:40 AM						

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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 92 of 266
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			V2.2 09/07/2023



KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.449500000 GHz Span	Settings
Spectrum cale/Div 10 dB	T		Ref Level 25.00 dB	m		9 916 50 GHz -29.351 dBm	850.000000 kHz	
5.0							Zero Span Full Span	
							Start Freq 3.449075000 GHz	
							Stop Freq 3.449925000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
							85.000 kHz Auto Man	
							Freq Offset 0 Hz	
5.0							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On	
art 3.4490750 GH	Iz		#Video BW 470 kH	z		top 3.4499250 GHz	Off Off	Loc
es BW 150 kHz	2 Jan	27, 2024				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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 93 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 93 01 200
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KEYSIGHT └ +►- I	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A W W W W A N N N N N	Center Frequency 3.596245000 GHz Span	Settings
Spectrum ale/Div 10 dB	Y		Ref Level 25.00 d	Bm		3.552 04 GHz -36.477 dBm	106.510000 MHz	
5.0							Zero Span Full Span	
							Start Freq 3.542990000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE	
							CF Step 10.651000 MHz	
i.0	1						Auto Man Freg Offset	
.0	Jun	~					0 Hz	
i.0			<u></u>				X Axis Scale Log Lin	
i.0							Signal Track (Span Zoom) On	
							On Off	Loc
art 3.54299 GHz es BW 1.0 MHz		27, 2024	#Video BW 3.0 N	IHz		Stop 3.64950 GHz 500 ms (1001 pts)		

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

KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 f Corr CCorr I Freq Ref: In NFE: Off	RCal Preamp: (Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Por Trig: Free Run	wer 1 2 3 4 5 A ** ** ** ** A N N N N	3.550500000 GHz	Settings
Spectrum cale/Div 10 dB	•		RefLev	el 25.00 dBr	m	Mkr1	3.550 257 45 G -33.514 dE	Hz 490.000000 kHz	
bg								Swept Span Zero Span Full Span	
00								Start Freq 3.550255000 GHz	
								Stop Freq 3.550745000 GHz	
5.0							DL1 -13.00 c	AUTOTOINE	
								CF Step 49.000 kHz	
5.0		- <u></u>						Auto Man Freg Offset	
								0 Hz X Axis Scale	
								Signal Track (Span Zoom) On	
art 3.5502550 GH Res BW 510 kHz	z		#Video	BW 1.5 MH:	2		Stop 3.5507450 0 Sweep 500 ms (1001 p		Loca

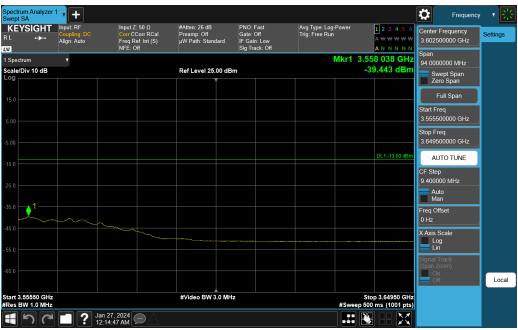
Plot 7-142. Upper ACP Plot (NR Band n77 DoD-Band - 15MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 94 of 266
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	D-61				Casa	
	Ref Level 25	.00 dBm		1 101 95 GHz -41.603 dBm	Span 3.85000000 MHz Swept Span	
					Zero Span Full Span	
					Start Freq 3.551075000 GHz	
					Stop Freq 3.554925000 GHz	
				DL1 -13.00 dBm	AUTO TUNE CF Step	
					385.000 kHz Auto Man	
-					Freq Offset 0 Hz	
				and a draw that a draw the	X Axis Scale Log Lin	
					Signal Track (Span Zoom) On	
	#Video BW	470 kHz			Off Off	Loc
	Jan 27, 2024		#Video BW 470 kHz	#Sweep	#Video BW 470 kHz Stop 3.554925 GHz	Image: state in the state

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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 95 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 95 01 200
			V2.2 09/07/2023



KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off I IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.397500000 GHz	Settings
Spectrum cale/Div 10 dB	T		Ref Level 25.00	dBm	Mkr1 :	3.442 526 GHz -36.700 dBm	Span 94.0000000 MHz Swept Span	
15.0							Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
							9.400000 MHz Auto Man	
							Freq Offset	
							X Axis Scale Log	1
5.0							Signal Track (Span Zoom)	
							On Off	Loca
art 3.35050 GHz Res BW 1.0 MHz			#Video BW 3.0	MHz	#Swee	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)

vept SA	Input: RF	Input Z: 50 Ω Corr CCorr RCal	#Atten: 26 dB	PNO: Best Wide Gate: Off	Avg Type: Log-Power	1 2 3 4 5 6	Frequence Center Frequency	× •
L +≽+-]	Coupling: DC Align: Auto	Freq Ref: Int (S) NFE: Off	Preamp: Off µW Path: Standa		Trig: Free Run	A ₩ ₩ ₩ ₩ ₩ A N N N N N	3.447000000 GHz	Settings
Spectrum					Mkr1 3.44	8 727 55 GHz	Span 3.49000000 MHz	
ale/Div 10 dB			Ref Level 25.0	0 dBm		-33.857 dBm	Swept Span	
-9			The second second second second second second second second second second second second second second second se				Zero Span	
							Full Span	
							Start Freq 3.445255000 GHz	
							Stop Freq	4
00							3.448745000 GHz	
						DL1-13.00 dBm	AUTO TUNE	1
5.0							CF Step	
5.0							349.000 kHz	
						1	Auto Man	
							Freq Offset	1
							0 Hz	
							X Axis Scale	1
							Log Lin	
							Signal Track (Span Zoom)	1
							On Ó	
							Off	Loca
art 3.445255 GHz es BW 510 kHz			#Video BW 1.	5 MHz		Stop 3.448745 GHz 500 ms (1001 pts)		

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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 90 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: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \two \two \two \two \two \two \two \two	Center Frequency 3.449500000 GHz Span	Setting
Spectrum ale/Div 10 dB	T		Ref Level 25.00 dB	m		49 897 6 GHz -31.566 dBm	800.000000 kHz	
bg			Ĭ				Zero Span	
00							Start Freq 3.449100000 GHz	
							Stop Freq 3.449900000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
						1	80.000 kHz Auto Man	
0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On Off	Loc
rt 3.4491000 GH es BW 200 kHz	z		#Video BW 620 kH	z		top 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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT ⊥ ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.595000000 GHz	Settings
Spectrum cale/Div 10 dB	۲		Ref Level 25.00 dB	m		551 945 <mark>GHz</mark> -34.500 d B m	Span 109.000000 MHz Swept Span	
5.0			Ĭ				Zero Span Full Span	
							Start Freq 3.540500000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE CF Step	
5.0	1						10.900000 MHz Auto Man	
	-						Freq Offset 0 Hz	
5.0							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On	
art 3.54050 GHz			#Video BW 3.0 MH			Stop 3.64950 GHz	Off	Loc
es BW 1.0 MHz		27, 2024	#VIGEO BW 3.0 MH	2		600 ms (1001 pts)		

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

KEYSIGHT ⊥ ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCa Freq Ref: Int (S) NFE: Off		PNO: Best Wide Gate: Off ard IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Center Frequency 3.550500000 GHz Span	Settings
Spectrum cale/Div 10 dB	•		Ref Level 25.0	00 dBm	Mkr1 3.55	0 255 98 GHz -28.978 dBm	490.000000 kHz	
5.0							Full Span	
00							3.550255000 GHz Stop Freq 3.550745000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
.0 1							49.000 kHz Auto Man	
							Freq Offset 0 Hz X Axis Scale	
							Log Lin Signal Track (Span Zoom)	
5.0 art 3.5502550 GH es BW 510 kHz	z		#Video BW 1.	5 MHz		top 3.5507450 GHz 500 ms (1001 pts)	On Off	Loc

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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 98 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 90 01 200
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KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Balanced Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.553000000 GHz	Setting
Spectrum cale/Div 10 dB	•		Ref Level 25.00 dB	m		51 130 4 GHz -41.576 dBm	Span ,3.80000000 MHz	
bg			Ĭ				Zero Span	
							Full Span	
							Start Freq 3.551100000 GHz	
							Stop Freq 3.554900000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
.0							CF Step 380.000 kHz	
							Auto Man	
.0 1							Freq Offset 0 Hz	
			and and and and and	and in the second second second second second second second second second second second second second second s	and a second second second second second second second second second second second second second second second		X Axis Scale Log Lin	1
							Signal Track (Span Zoom)	
							On Off	Loc
nt 3.551100 GH s BW 200 kHz	z		#Video BW 620 kH	z		top 3.554900 GHz 500 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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 99 01 200
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KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standar	PNO: Fast Gate: Off d IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.397500000 GHz	Settings
Spectrum cale/Div 10 dB	T		Ref Level 25.00	dBm	Mkr1 3	3.442 338 GHz -33.800 dBm	Span 94.0000000 MHz	
5.0			Ĭ				Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
						1	9.400000 MHz Auto Man	
							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
5.0							Signal Track (Span Zoom)	
							On Off	Loc
art 3.35050 GHz Res BW 1.0 MHz			#Video BW 3.0	MHz	#Swee	Stop 3.44450 GHz p 500 ms (1001 pts)		

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

pectrum Analyzer wept SA KEYSIGHT	Input: RF	Input Z: 50 Ω	#Atten: 26 dB	PNO: Best Wide	Avg Type: Log-Power	1 2 3 4 5 6	Frequency	
:L + → - 0	Coupling: DC Align: Auto	Corr CCorr RCal Freq Ref: Int (S) NFE: Off	Preamp: Off µW Path: Standard	Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Run	A ₩ ₩ ₩ ₩ ₩ A N N N N N	3.447000000 GHz	Settings
Spectrum	v				Mkr1 3.44	48 580 97 GHz	Span 3.49000000 MHz	
cale/Div 10 dB			Ref Level 25.00 dB	3m		-33.144 dBm	Swept Span	
							Zero Span	
							Full Span	
							Start Freq 3.445255000 GHz	
00							Stop Freq 3.448745000 GHz	1
						DL1 -13.00 dBm	AUTO TUNE	
							CF Step 349.000 kHz	
						1	Auto Man	
5.0							Freq Offset 0 Hz	
							X Axis Scale Log	
							Lin Signal Track	
							(Span Zoom) On	_
							- Off	Loca
art 3.445255 GHz tes BW 510 kHz	2		#Video BW 1.5 M	lz		Stop 3.448745 GHz 500 ms (1001 pts)		
 	Jan ? Jan	27, 2024 💬 🛆						

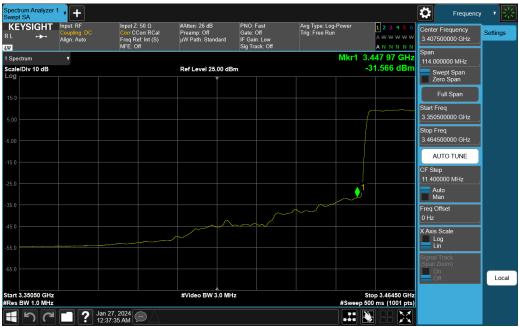
Plot 7-154. Lower ACP Plot (NR Band n77 DoD-Band - 30MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 100 01 200
		•	V2.2 09/07/2023



KEYSIGHT ⊥ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	123456 A \to \to \to \to \to \to \to \to \to \to	Center Frequency 3.449500000 GHz Span	Settings
Spectrum cale/Div 10 dB	T		Ref Level 25.00 dB	m		49 848 6 GHz -34.470 dBm	700.000000 kHz	,
5.0			Ĭ				Zero Span Full Span	
00							Start Freq 3.449150000 GHz	
							Stop Freq 3.449850000 GHz	
i.0						DL1 -13.00 dBm	AUTO TUNE	
							CF Step 70.000 kHz	,
						1	Man Freq Offset	
							0 Hz X Axis Scale Log	
							Signal Track (Span Zoom)	
							On Off	Loc
art 3.4491500 GH es BW 300 kHz	łz		#Video BW 910 kH	z		op 3.4498500 GHz 500 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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 101 of 266
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KEYSIGHT └ ↔	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standar	PNO: Fast Gate: Off d IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.592495000 GHz	Settings
Spectrum ale/Div 10 dB	•		Ref Level 25.00	dBm	Mkr1	3.551 57 GHz -36.700 dBm	Span 114.010000 MHz Swept Span	
5.0			Ĭ				Zero Span Full Span	
	h						Start Freq 3.535490000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE CF Step	
							11.401000 MHz	
							Man Freq Offset	
							0 Hz X Axis Scale Log	
							Lin Signal Track (Span Zoom)	
							On Ó Off	Loc
rt 3.53549 GHz es BW 1.0 MHz			#Video BW 3.0	MHz	#Swee	Stop 3.64950 GHz 500 ms (1001 pts)		

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

KEYSIGHT └ ·►·	Input: RF Coupling: DC Align: Auto	Input Z: 5 Corr CCo Freq Ref: NFE: Off	rr RCal	#Atten: 26 dB Preamp: Off µW Path: Stand	lard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-F Trig: Free Run	ower	1 2 3 4 5 6 A₩₩₩₩₩₩ A N N N N N	Center Frequency 3.550500000 GHz	Settings
Spectrum cale/Div 10 dB	T			Ref Level 25.	00 dBm		Mkr		55 49 GHz 2.061 dBm	Span 490.000000 kHz Swept Span	2
5.0										Zero Span Full Span	
										Start Freq 3.550255000 GHz Stop Freq	
									DL1 -13.00 dBm	3.550745000 GHz	
5.0										CF Step 49.000 kHz	
.0	<u> </u>									Auto Man Freq Offset	
										0 Hz X Axis Scale Log	
i.0										Lin Signal Track (Span Zoom)	
art 3.5502550 GH	z			#Video BW 1	.5 MHz			Stop	3.5507450 GHz	On Off	Loca

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

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 102 of 266
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EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \two \two \two \two \two \two \two \two	Center Frequency 3.553000000 GHz Span	Setting
pectrum ale/Div 10 dB g	T		Ref Level 25.00 dB	m		51 194 4 GHz -40.609 dBm	3.70000000 MHz	
.0							Zero Span Full Span	
							Start Freq 3.551150000 GHz	
							Stop Freq 3.554850000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
							370.000 kHz Auto Man	L
.0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On	
rt 3.551150 GH; s BW 300 kHz	2		#Video BW 910 kH	z		Stop 3.554850 GHz 500 ms (1001 pts)	Off	10

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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 103 of 266
1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage TUS 01 200
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KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ ANNNNN	Center Frequency 3.397500000 GHz	Settings
Spectrum cale/Div 10 dB	•		Ref Level 25.00 d	Bm	Mkr1 3	.442 526 GHz -33.840 dBm	Span 94.0000000 MHz	
15.0							Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
15.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
						1	9.400000 MHz Auto Man	
						~	Freq Offset 0 Hz	
55.0							X Axis Scale Log Lin	1
							Signal Track (Span Zoom) On	
tart 3.35050 GHz			#Video BW 3.0 M	Hz		Stop 3.44450 GHz	Off	Loca
Res BW 1.0 MHz	Jan	27, 2024 48:27 AM				500 ms (1001 pts)		

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

KEYSIGHT └ →►	Input: RF Coupling: DC	Input Z: 50 Ω Corr CCorr RCal	#Atten: 26 dB Preamp: Off	PNO: Best Wide Gate: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6	Center Frequency	Settings
	Align: Auto	Freq Ref: Int (S) NFE: Off	µW Path: Standa	rd IF Gain: Low Sig Track: Off			3.447000000 GHz	
Spectrum	T				Mkr1 3.44	8 724 06 GHz	Span 3.49000000 MHz	
ale/Div 10 dB			Ref Level 25.00) dBm		-33.393 dBm	Swept Span Zero Span	
							Full Span	
00							Start Freq 3.445255000 GHz	
							Stop Freq	
							3.448745000 GHz	
						DL1 -13.00 dBm	AUTO TUNE	
							CF Step	
							349.000 kHz	
						1	Auto Man	
							Freq Offset	1
.0							0 Hz	
							X Axis Scale Log	
							Lin Lin	
.0							Signal Track (Span Zoom)	
							On Off	Loc
rt 3.445255 GHz es BW 510 kHz	2		#Video BW 1.5	MHz		Stop 3.448745 GHz 500 ms (1001 pts)		

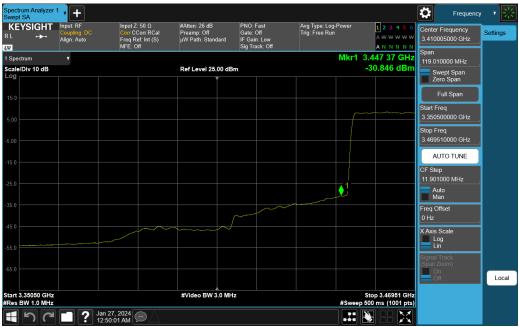
Plot 7-162. Lower ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT ⊥ ↔ 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 ∧₩₩₩₩₩₩ A N N N N N	Center Frequency 3.449500000 GHz Span	Settings
Spectrum cale/Div 10 dB	T		Ref Level 25.00 dB	Im		49 799 4 GHz -32.706 dBm	600.000000 kHz	,
5.0							Zero Span Full Span	
							Start Freq 3.449200000 GHz	
							Stop Freq 3.449800000 GHz	
i.0						DL1 -13.00 dBm	AUTO TUNE	
						1.	CF Step 60.000 kHz	
							Man Freq Offset	
							0 Hz X Axis Scale Log	
							Signal Track (Span Zoom)	
							On Off	Loc
nt 3.4492000 GH es BW 390 kHz	iz		#Video BW 1.2 M⊦	z		op 3.4498000 GHz 500 ms (1001 pts)		

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



Plot 7-164. Lower ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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1C2311270066-11.BCG	10/01/2023 - 03/07/2024	Tablet Device	Fage 105 01 200
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KEYSIGHT ⊥ ↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ ANNNNN	Center Frequency 3.589990000 GHz	Setting
Spectrum cale/Div 10 dB	T		Ref Level 25.00 dB	m	Mkr1	3.551 78 GHz -37.147 dBm	Span 119.020000 MHz Swept Span	
5.0							Zero Span Full Span	
.00							Start Freq 3.530480000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE CF Step	
							11.902000 MHz Auto Man	
							Freq Offset 0 Hz	
						~~~~~	X Axis Scale Log Lin	
.0							Signal Track (Span Zoom)	
							On Off	Lo
art 3.53048 GHz es BW 1.0 MHz			#Video BW 3.0 MH	Z	#Sweep	Stop 3.64950 GHz 500 ms (1001 pts)		

Plot 7-165. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

Co	out: RF upling: DC gn: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Stand	PNO: Best V Gate: Off ard IF Gain: Low Sig Track: O	Trig: Free Rur	۱ ۱	1 2 3 4 5 6 A₩₩₩₩₩₩ A N N N N N	Center Frequency 3.550500000 GHz	Settings
			Ref Level 25.0	00 dBm	Mk	r1 3.550 2		Span 490.000000 kHz	
5.0								Zero Span Full Span	
								Start Freq 3.550255000 GHz Stop Freq	
							DL1 -13.00 dBm	3.550745000 GHz	
5.0								CF Step 49.000 kHz	
5.0								Auto Man Freq Offset	
								0 Hz X Axis Scale	
								Log Lin Signal Track (Span Zoom)	
								On Off	Loca
art 3.5502550 GHz Res BW 510 kHz			#Video BW 1	5 MHz		Stop 3. #Sweep 500 r	.5507450 GHz ns (1001 pts)		

Plot 7-166. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \two \two \two \two \two \two \two \two	Center Frequency 3.553000000 GHz Span	Setting
Spectrum ale/Div 10 dB	v		Ref Level 25.00 dB	m		51 376 4 GHz -40.031 dBm	3.60000000 MHz	
bg			Ĭ				Swept Span Zero Span	
							Full Span	
							Start Freq 3.551200000 GHz	
							Stop Freq 3.554800000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
.0							CF Step 360.000 kHz	
							Auto Man	
.0 1							Freq Offset 0 Hz	
0							X Axis Scale Log Lin	
.0							Signal Track (Span Zoom)	
							On Off	Lo
rt 3.551200 GH Is BW 390 kHz	z		#Video BW 1.2 MH	z		6top 3.554800 GHz 500 ms (1001 pts)		

Plot 7-167. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK - Full RB)



Plot 7-168. Upper ACP Plot (NR Band n77 DoD-Band - 40MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.397500000 GHz Span	Settings
Spectrum cale/Div 10 dB	•		Ref Level 25.00 dB	m	Mkr1 3	3.432 374 GHz -34.242 dBm	94.0000000 MHz	
							Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
						<b>↓</b> 1	9.400000 MHz Auto Man	
						×	Freq Offset 0 Hz	
5.0							X Axis Scale Log Lin	1
							Signal Track (Span Zoom) On	
art 3.35050 GHz			#Video BW 3.0 MH	7		Stop 3.44450 GHz	Off	Loc
	<b>) )</b> Jan	27, 2024				500 ms (1001 pts)		

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

KEYSIGHT RL →→→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.447000000 GHz	Settings
Spectrum cale/Div 10 dB	•		Ref Level 25.00 di			8 724 06 GHz -34.029 dBm	Span 3.49000000 MHz Swept Span	J
5.0			Ĭ.				Zero Span Full Span	
							Start Freq 3.445255000 GHz	
						DL1 -13.00 dBm	Stop Freq 3.448745000 GHz AUTO TUNE	
5.0							CF Step 349.000 kHz	
5.0						1	Auto Man Freq Offset	
							0 Hz X Axis Scale	
							Log Lin Signal Track (Span Zoom)	
							On Off	Loca
art 3.445255 GH; Res BW 510 kHz	2		#Video BW 1.5 M	Hz		Stop 3.448745 GHz 500 ms (1001 pts)		

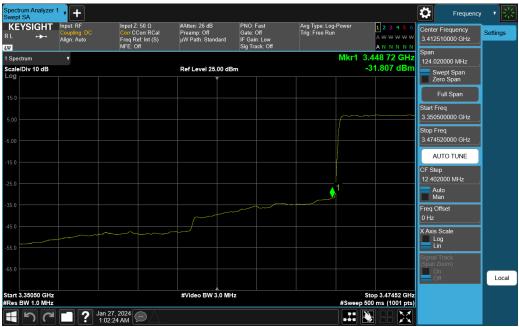
Plot 7-170. Lower ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Co	put: RF pupling: DC ign: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	123456 A \to \to \to \to \to \to \to \to \to \to	Center Frequency 3.449500000 GHz Span	Setting
ale/Div 10 dB	•		Ref Level 25.00 d	IBm		49 747 5 GHz -34.023 dBm	500.000000 kHz	
bg			Ĭ				Zero Span	
							Full Span	
00							Start Freq 3.449250000 GHz	
							Stop Freq 3.449750000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
							CF Step 50.000 kHz	1
						1	Auto Man	
							Freq Offset 0 Hz	
5.0							X Axis Scale Log Lin	1
							Signal Track (Span Zoom)	
							On Off	Loc
art 3.4492500 GHz es BW 510 kHz			#Video BW 1.5 N	IHz		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: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT └ ↔	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCa Freq Ref: Int (S NFE: Off		PNO: Fast Gate: Off ard IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.587500000 GHz	Setting
Spectrum cale/Div 10 dB	•		Ref Level 25.	00 dBm	Mkr1	3.551 788 GHz -38.036 dBm	Span 124.000000 MHz Swept Span	
5.0							Zero Span Full Span	
00							Start Freq 3.525500000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE CF Step	
						_	12.400000 MHz	
		1					Man Freq Offset 0 Hz	1
							X Axis Scale	
							Signal Track (Span Zoom)	
.0							On Off	Lo
t 3.52550 GHz s BW 1.0 MHz			#Video BW 3	.0 MHz	#Swee	Stop 3.64950 GHz p 500 ms (1001 pts)		

Plot 7-173. Upper ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

KEYSIGHT ⊥ +→ ℤ	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power 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 cale/Div 10 dB	T		Ref Level 25.00	dBm	Mkr1 3.55	0 255 98 GHz -37.936 dBm	490.000000 kHz	,
5.0							Zero Span Full Span	
							Start Freq 3.550255000 GHz	
							Stop Freq 3.550745000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
5.0							49.000 kHz Auto Man	
5.0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On Off	Logi
art 3.5502550 GH es BW 510 kHz	lz		#Video BW 1.5	MHz		top 3.5507450 GHz 500 ms (1001 pts)		LOCA

Plot 7-174. Upper ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power 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	Setting
Spectrum ale/Div 10 dB	T		Ref Level 25.00 dB	m		51 264 0 GHz -39.347 dBm	3.50000000 MHz	2
bg							Zero Span Full Span	
00							Start Freq 3.551250000 GHz	
							Stop Freq 3.554750000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
							350.000 kHz	L
.0 1							Man Freq Offset 0 Hz	
							X Axis Scale Log Lin	
0							Signal Track (Span Zoom) On	
art 3.551250 GHz			#Video BW 1.5 MH	z		Stop 3.554750 GHz	Off	Loc
es BW 510 kHz						500 ms (1001 pts)		

Plot 7-175. Upper ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK - Full RB)



Plot 7-176. Upper ACP Plot (NR Band n77 DoD-Band - 50MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT ⊥ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.397500000 GHz	Settings
Spectrum cale/Div 10 dB	T		Ref Level 25.00 c	IBm	Mkr1 3	.441 210 GHz -32.786 dBm	Span 94.0000000 MHz	1
5.0			Ť				Zero Span Full Span	
							Start Freq 3.350500000 GHz	
							Stop Freq 3.444500000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
						1	9.400000 MHz Auto Man	
							Freq Offset 0 Hz	
							X Axis Scale Log	
5.0							Signal Track (Span Zoom)	
							On Off	Loca
art 3.35050 GHz Res BW 1.0 MHz			#Video BW 3.0 N	MHz	#Sweep	Stop 3.44450 GHz 500 ms (1001 pts)		

Plot 7-177. Lower ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK – Full RB)

KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A W W W W A N N N N N	Center Frequency 3.447000000 GHz Span	Settings
Spectrum cale/Div 10 dB	•		Ref Level 25.00 di	Bm		6 291 53 GHz -35.822 dBm	3.49000000 MHz	1
15.0							Zero Span Full Span	
							Start Freq 3.445255000 GHz	
							Stop Freq 3.448745000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE CF Step	
		1					349.000 kHz Auto Man	L
							Freq Offset 0 Hz	
5.0							X Axis Scale Log Lin	]
							Signal Track (Span Zoom) On	
art 3.445255 GHz Res BW 510 kHz			#Video BW 1.5 Mi	Hz		Stop 3.448745 GHz 500 ms (1001 pts)	Off	Loca

Plot 7-178. Lower ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2899	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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KEYSIGHT ≯ I	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ ANNNNN	Center Frequency 3.449500000 GHz Span	Settings
Spectrum ale/Div 10 dB	T		Ref Level 25.00 dE	∃m		49 699 6 GHz -31.965 dBm	400.000000 kHz	
5.0							Zero Span Full Span	
							Start Freq ,3.449300000 GHz	
							Stop Freq 3.449700000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
						1	40.000 kHz Auto Man	
.0							Freq Offset 0 Hz	
i.0							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On	
art 3.4493000 GH	Iz		#Video BW 1.8 MH	iz	Si	op 3.4497000 GHz	Off	Loc

Plot 7-179. Lower ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-180. Lower ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

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KEYSIGHT └ ↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.584995000 GHz	Setting
 Spectrum cale/Div 10 dB 0g	T		Ref Level 25.00 dB	m	Mkr1	3.551 97 GHz -37.081 dBm	Span 129.010000 MHz 	
5.0							Zero Span Full Span	
							Start Freq 3.520490000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE	
		. 1					12.901000 MHz Auto Man	
		V'					Freq Offset 0 Hz	
0							X Axis Scale Log Lin	
0							Signal Track (Span Zoom) On	
nrt 3.52049 GHz			#Video BW 3.0 MH	-		Stop 3.64950 GHz	Off	Lo
es BW 1.0 MHz		1 27, 2024	#VIGEO BW 5.0 WIN	2	#Sweep	500 ms (1001 pts)		

Plot 7-181. Upper ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standar	PNO: Best Wide Gate: Off d IF Gain: Low Sig Track: Off	Avg Type: Log-Power 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	T				Mkr1 3.55	0 257 45 GHz	490.000000 kHz	
ale/Div 10 dB			Ref Level 25.00	dBm		-35.435 dBm	Swept Span Zero Span	
							Full Span	
0							Start Freq 3.550255000 GHz	
10							Stop Freq 3.550745000 GHz	
.0						DL1 -13.00 dBm	AUTO TUNE	
0							CF Step 49.000 kHz	
1							Auto Man	
							Freq Offset 0 Hz	
0							X Axis Scale Log Lin	1
.0							Signal Track (Span Zoom)	1
							On Off	Loc
rt 3.5502550 GH s BW 510 kHz	z		#Video BW 1.5	MHz		top 3.5507450 GHz 500 ms (1001 pts)		

Plot 7-182. Upper ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

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EYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \two \two \two \two \two \two \two \two	Center Frequency 3.553000000 GHz Span	Setting
pectrum ale/Div 10 dB	v		Ref Level 25.00 dB	m		52 010 6 GHz -38.518 dBm	3.40000000 MHz	
g			Ĭ				Zero Span	
							Full Span Start Freq	
							3.551300000 GHz Stop Freg	
							3.554700000 GHz	
0						DL1 -13.00 dBm	AUTO TUNE	
.0							CF Step 340.000 kHz	
.0		1					Auto Man	
	<b>`</b>						Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom)	
							On Off	Lo
rt 3.551300 GH: s BW 620 kHz	z		#Video BW 1.8 MH	z		top 3.554700 GHz 500 ms (1001 pts)		

Plot 7-183. Upper ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK - Full RB)



Plot 7-184. Upper ACP Plot (NR Band n77 DoD-Band - 60MHz DFT-s-OFDM QPSK - Full RB)

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KEYSIGHT └ ↔ 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off µW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A₩₩₩₩₩ A N N N N N	Center Frequency 3.397500000 GHz	Settings
Spectrum cale/Div 10 dB	Y		Ref Level 25.00 dB	im	Mkr1 3	.443 466 GHz -30.795 dBm	Span 94.0000000 MHz	
5.0			ļĬ				Zero Span Full Span	
							Start Freq 3.350500000 GHz Stop Freq	
00						DL1 -13.00 dBm	3.444500000 GHz	
.0							CF Step 9.400000 MHz	
							Auto Man Freq Offset	
							0 Hz X Axis Scale	
							Log Lin Signal Track	
							(Span Zoom) On Off	Lo
rt 3.35050 GHz es BW 1.0 MHz			#Video BW 3.0 MH	z		Stop 3.44450 GHz 500 ms (1001 pts)		

Plot 7-185. Lower ACP Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A ₩ ₩ ₩ ₩ ₩ A N N N N N	Center Frequency 3.447000000 GHz	Settings
Spectrum cale/Div 10 dB og	•		Ref Level 25.00 dl	Зm		7 513 03 GHz -33.535 dBm	Span 3.49000000 MHz Swept Span	
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				<b>1</b>			349.000 kHz Auto Man	
5.0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom) On Off	Loca
art 3.445255 GH: les BW 510 kHz	z		#Video BW 1.5 Mi	Hz		itop 3.448745 GHz 500 ms (1001 pts)		

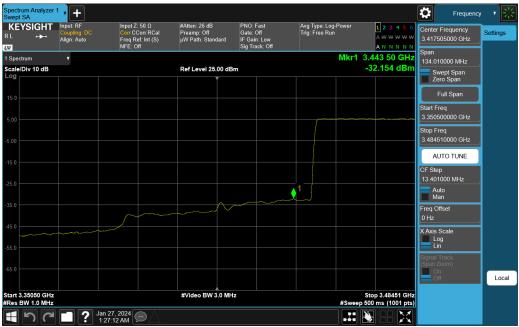
Plot 7-186. Lower ACP Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

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KEYSIGHT ⊥ ↔→ 1	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power 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	Settings
Spectrum cale/Div 10 dB	۲		Ref Level 25.00 dB	im		49 648 8 GHz -32.059 dBm	300.000000 kHz	2
5.0							Zero Span Full Span	
							Start Freq 3.449350000 GHz	
							Stop Freq 3.449650000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
							30.000 kHz Auto Man	
							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
i.0							Signal Track (Span Zoom)	
							On Off	Loc
art 3.4493500 GH es BW 680 kHz	Iz		#Video BW 2.2 MH	z		op 3.4496500 GHz 500 ms (1001 pts)		

Plot 7-187. Lower ACP Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-188. Lower ACP Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

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KEYSIGHT └ ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A W W W W W A N N N N N	Center Frequency 3.582490000 GHz Span	Setting
Spectrum ale/Div 10 dB	T		Ref Level 25.00 dB	m		3.553 27 GHz -35.815 dBm	134.020000 MHz	
5.0							Zero Span Full Span	
00							Start Freq 3.515480000 GHz	
							Stop Freq 3.649500000 GHz	
							AUTO TUNE CF Step	
		. 1					13.402000 MHz Auto Man	
						$\rightarrow \Lambda$	Freq Offset 0 Hz	
							X Axis Scale Log	
0							Signal Track (Span Zoom)	
							On Off	Lor
rt 3.51548 GH s BW 1.0 MH	z	27, 2024	#Video BW 3.0 MH	z		Stop 3.64950 GHz 500 ms (1001 pts)		

Plot 7-189. Upper ACP Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

Wept SA KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off	#Atten: 26 dB Preamp: Off μW Path: Standard	PNO: Best Wide Gate: Off I IF Gain: Low Sig Track: Off	Avg Type: Log-Power Trig: Free Run	1 2 3 4 5 6 A \\ \ \ \ \ \ \ \ \ \ \ \ \ \	Frequency Center Frequency 3.550500000 GHz	Settings
Spectrum	•			org maximum	Mkr1 3.55	0 256 96 GHz	Span 490.000000 kHz	
cale/Div 10 dB			Ref Level 25.00	dBm		-36.349 dBm	Swept Span	
59			Ĭ				Zero Span	
							Full Span	
.00							Start Freq 3.550255000 GHz	
00							Stop Freq 3.550745000 GHz	
5.0						DL1 -13.00 dBm	AUTO TUNE	
5.0							CF Step 49.000 kHz	
5.0 1							Auto Man	
5.0							Freq Offset 0 Hz	
							X Axis Scale Log Lin	
							Signal Track (Span Zoom)	
							On Off	Loca
art 3.5502550 GH les BW 510 kHz	iz		#Video BW 1.5	MHz		top 3.5507450 GHz 500 ms (1001 pts)		

Plot 7-190. Upper ACP Plot (NR Band n77 DoD-Band - 70MHz DFT-s-OFDM QPSK - Full RB)

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