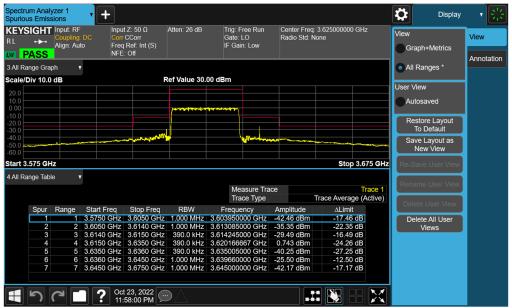


Annot NI Range Graph ale/Div 10.0 dB Ref Value 30.00 dBm All Ranges ' User View Autosaved Restore Layout Tace Type Trace 1 Trace Type Trace Average (Active) Spur Range Start Freq Stop Freq RBW Frequency Amplitude 1 3.5100 GHz 3.5400 GHz 1.000 MHz 3.521200000 GHz 4.41.68 dBm 4 3.5490 GHz 3.5400 GHz 1.000 MHz 3.547860000 GHz 4.37.73 dBm 4 3.5490 GHz 3.5400 GHz 1.000 MHz 3.547860000 GHz 4.37.73 dBm 4 3.5490 GHz 3.5400 GHz 1.000 MHz 3.547860000 GHz 4.37.73 dBm 4 3.5490 GHz 3.5400 GHz 1.000 MHz 3.547860000 GHz 4.37.73 dBm 4 3.5490 GHz 3.5400 GHz 1.000 MHz 3.547860000 GHz 4.37.73 dBm 4 3.5490 GHz 3.5400 GHz 1.000 MHz 3.547860000 GHz 4.37.73 dBm -0.64 dB -0.64 dB	→→ Co Ali	put: RF pupling: DC ign: Auto	Input Z: Corr CC Freq Re NFE: Of	Corr ef: Int (S)	Atten: 26 dB	Trig: Free Run Gate: LO IF Gain: Low	Center Freq Radio Std: 1	ι: 3.560010000 Gł None	Hz	View Graph+Metric	
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And the second secon	.0					*****				Autosaved	
3 ave Layout as New View Stop 3.610 GHz Re-Save User View Il Range Table • • 1 1.510 GHz • • 2 2.35300 GHz 3.5400 GHz 1.000 MHz 3 3.5400 GHz 3.5400 GHz 1.000 MHz 3 3.5400 GHz 3.5400 GHz 1.000 MHz 3 3.5400 GHz 1.000 MHz 3.54780000 GHz - - - -											ut
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	o rt 3.510 GHz Il Range Table Spur Ra 1 2 3 4 5 6	ange Start 1 3.510 2 3.530 3 3.540 4 3.549 5 3.550 6 3.570	0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3.	.5300 GHz .5400 GHz .5490 GHz .5500 GHz .5700 GHz .5710 GHz	1.000 MHz 1.000 MHz 1.000 MHz 390.0 kHz 390.0 kHz 390.0 kHz	Trace Type Frequency 3.521200000 GHz 3.539183333 GHz 3.547860000 GHz 3.5478606067 GHz 3.558666667 GHz 3.570031667 GHz	Amplitude -44.91 dBm -41.68 dBm -23.64 dBm -37.73 dBm 2.061 dBm -39.15 dBm	Trace Average <u>ALimit</u> -16.68 dE -10.64 dE -24.73 dE -22.94 dE -22.94 dE	Trace 1 (Active) 3 3 3 3 3 3 3 3 3 3	New View Re-Save User V Rename User V Delete User VI Delete All Us	/iew /iew ew
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	o rt 3.510 GHz Il Range Table Spur Ra 1 2 3 4 5 6	ange Start 1 3.510 2 3.530 3 3.540 4 3.549 5 3.550 6 3.570	0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3. 0 GHz 3.	.5300 GHz .5400 GHz .5490 GHz .5500 GHz .5700 GHz .5710 GHz	1.000 MHz 1.000 MHz 1.000 MHz 390.0 kHz 390.0 kHz 390.0 kHz	Trace Type Frequency 3.521200000 GHz 3.539183333 GHz 3.547860000 GHz 3.5478606067 GHz 3.558666667 GHz 3.570031667 GHz	Amplitude -44.91 dBm -41.68 dBm -23.64 dBm -37.73 dBm 2.061 dBm -39.15 dBm	Trace Average <u>ALimit</u> -16.68 dE -10.64 dE -24.73 dE -22.94 dE -22.94 dE	Trace 1 (Active) 3 3 3 3 3 3 3 3 3 3	New View Re-Save User V Rename User V Delete User VI Delete All Us	/iew /iew ew
6 6 3.5700 GHz 3.5710 GHz 390.0 kHz 3.570031667 GHz -39.15 dBm -26.15 dB 7 7 3.5710 GHz 3.5800 GHz 1.000 MHz 3.571300000 GHz -23.42 dBm -10.42 dB 8 3.5800 GHz 3.6100 GHz 1.000 MHz 3.580950000 GHz -41.15 dBm -16.15 dB	0 rt 3.510 GHz II Range Table Spur Ra 1 2 3 4 5 6 7	ange Start 1 3.510 2 3.530 3 3.540 4 3.549 5 3.550 6 3.570 7 3.571	0 GHz 3. 0 GHz 3.	5300 GHz 5400 GHz 5490 GHz 5500 GHz 5700 GHz 5710 GHz 5800 GHz	1.000 MHz 1.000 MHz 390.0 KHz 390.0 KHz 390.0 KHz 390.0 KHz 1.000 MHz	Trace Type Frequency 3.521200000 GHz 3.547860000 GHz 3.547860000 GHz 3.558666667 GHz 3.570031667 GHz 3.571300000 GHz	Amplitude -44.91 dBm -21.68 dBm -23.64 dBm -37.73 dBm 2.061 dBm -39.15 dBm -23.42 dBm	Trace Average <u>ALimit</u> -16.88 dE -10.64 dE -24.73 dE -22.94 dE -26.15 dE -10.42 dE	Trace 1 (Active)	New View Re-Save User V Rename User V Delete User VI Delete All Us	/iew /iew ew

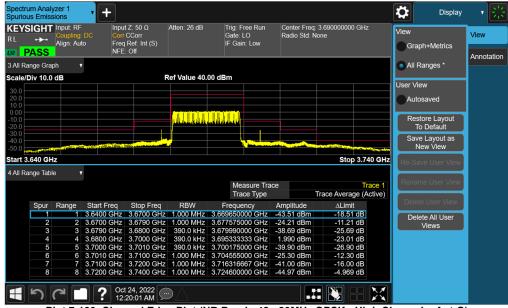
Plot 7-128. Channel Edge Plot (NR Band n48 - 20MHz QPSK - Low Channel - Ant G)



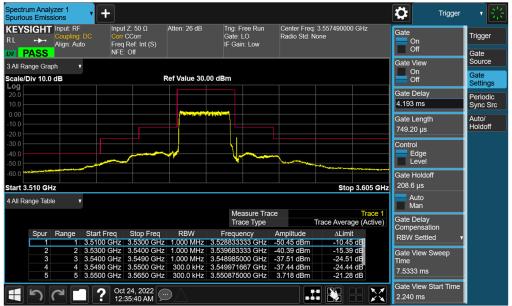
Plot 7-129. Channel Edge Plot (NR Band n48 - 20MHz QPSK - Mid Channel – Ant G)

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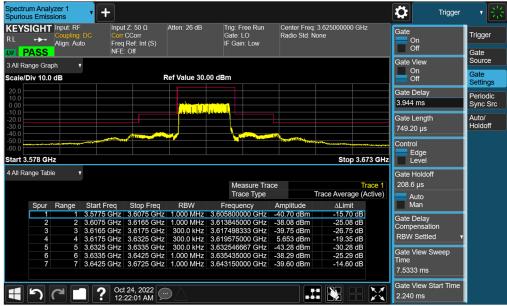
Plot 7-130. Channel Edge Plot (NR Band n48 - 20MHz QPSK - High Channel – Ant G)



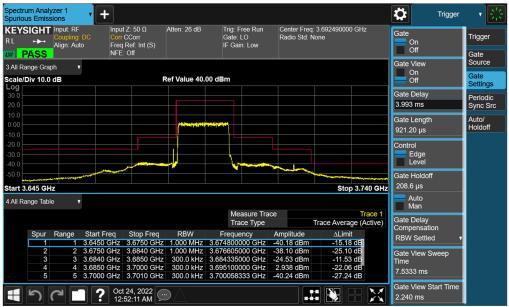
Plot 7-131. Channel Edge Plot (NR Band n48 - 15MHz QPSK - Low Channel – Ant G)

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Plot 7-132. Channel Edge Plot (NR Band n48 - 15MHz QPSK - Mid Channel - Ant G)



Plot 7-133. Channel Edge Plot (NR Band n48 - 15MHz QPSK - High Channel – Ant G)

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C	nput: RF Coupling: DC Jign: Auto	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Off	Atten: 26 dB	Trig: Free Run Gate: LO IF Gain: Low	Center Freq: Radio Std: N	3.555000000 GHz one	Center Frequency 3.555000000 GHz CF Step	Setting
All Range Graph	•						730.000000 MHz	
ale/Div 10.0 dl	В		Ref Value 30.	00 dBm			Auto	
.0							Man	
0							Freq Offset	
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iŏ								
art 3.510 GHz						Stop 3.600 GI	Hz	
All Range Table	_							
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a Range Table	v			Measure Trac	-A	Trace /		
a range rabie	v			Measure Trac Trace Type		Trace ²		
		Fren Stop Fren	RBW	Trace Type		Trace Average (Active		
	Range Start				۲ Amplitude	Trace Average (Active ∆Limit		
Spur R	Range Start 1 3.510 2 3.530	0 GHz 3.5300 GH 0 GHz 3.5400 GH	z 1.000 MHz z 1.000 MHz	Trace Type Frequency 3.529266667 GHz 3.539966667 GHz	1 Amplitude -50.45 dBm -43.33 dBm	Trace Average (Active ∆Limit -10.45 dB -18.33 dB		
Spur R	Range Start 1 3.510 2 3.530 3 3.540	0 GHz 3.5300 GH 0 GHz 3.5400 GH 0 GHz 3.5490 GH	z 1.000 MHz z 1.000 MHz z 1.000 MHz	Trace Type Frequency 3.529266667 GHz 3.539966667 GHz 3.546615000 GHz	Amplitude -50.45 dBm -43.33 dBm -28.68 dBm	Trace Average (Active		
Spur R 1 2 3 4	Range Start <u>1</u> 3.510 <u>2</u> 3.530 <u>3</u> 3.540 <u>4</u> 3.549	0 GHz 3.5300 GH 0 GHz 3.5400 GH 0 GHz 3.5490 GH 0 GHz 3.5500 GH	z 1.000 MHz z 1.000 MHz z 1.000 MHz z 200.0 kHz	Trace Type Frequency 3.529266667 GHz 3.539966667 GHz 3.546615000 GHz 3.549855000 GHz	Amplitude -50.45 dBm -43.33 dBm -28.68 dBm -36.26 dBm	Trace Average (Active △Limit -10.45 dB -18.33 dB -15.68 dB -23.26 dB		
Spur R 1 2 3 4 5	Range Start <u>1</u> 3.510 <u>2</u> 3.530 <u>3</u> 3.540 <u>4</u> 3.549 <u>5</u> 3.550	0 GHz 3.5300 GH 0 GHz 3.5400 GH 0 GHz 3.5490 GH 0 GHz 3.5500 GH 0 GHz 3.5500 GH	z 1.000 MHz z 1.000 MHz z 1.000 MHz z 200.0 KHz z 200.0 kHz	Trace Type Frequency 3.529266667 GHz 3.539966667 GHz 3.546615000 GHz 3.549855000 GHz 3.553433333 GHz	Amplitude -50.45 dBm -43.33 dBm -28.68 dBm -36.26 dBm 4.330 dBm	Trace Average (Active ∆Limit -10.45 dB -18.33 dB -15.68 dB -23.26 dB -20.67 dB		
Spur R 1 2 3 4 5 6	Range Start 1 3.510 2 3.530 3 3.540 4 3.549 5 3.550 6 3.560	0 GHz 3.5300 GH 0 GHz 3.5400 GH 0 GHz 3.5490 GH 0 GHz 3.5500 GH 0 GHz 3.5500 GH 0 GHz 3.5600 GH	z 1.000 MHz z 1.000 MHz z 1.000 MHz z 200.0 kHz z 200.0 kHz z 200.0 kHz z 200.0 kHz	Trace Type Frequency 3.529266667 GHz 3.539966667 GHz 3.546615000 GHz 3.549855000 GHz 3.553433333 GHz 3.56096667 GHz	Amplitude -50.45 dBm -43.33 dBm -28.68 dBm -36.26 dBm 4.330 dBm -36.80 dBm	Trace Average (Active <u>∆Limit</u> -10.45 dB -18.33 dB -15.68 dB -23.26 dB -20.67 dB -23.80 dB		
Spur R 1 2 3 4 5	Range Start 1 3.510 2 3.530 3 3.540 4 3.549 5 3.550 6 3.560 7 3.561	0 GHz 3.5300 GH 0 GHz 3.5400 GH 0 GHz 3.5490 GH 0 GHz 3.5500 GH 0 GHz 3.5500 GH 0 GHz 3.5600 GH 0 GHz 3.5610 GH 0 GHz 3.5700 GH	z 1.000 MHz z 1.000 MHz z 1.000 MHz z 200.0 kHz z 200.0 kHz z 200.0 kHz z 1.000 MHz	Trace Type Frequency 3.529266667 GHz 3.539966667 GHz 3.546615000 GHz 3.549855000 GHz 3.553433333 GHz	Amplitude -50.45 dBm -43.33 dBm -28.68 dBm -36.26 dBm 4.330 dBm -36.80 dBm -36.88 dBm	Trace Average (Active ∆Limit -10.45 dB -18.33 dB -15.68 dB -23.26 dB -20.67 dB		

Plot 7-134. Channel Edge Plot (NR Band n48 - 10MHz QPSK - Low Channel – Ant G)



Plot 7-135. Channel Edge Plot (NR Band n48 - 10MHz QPSK - Mid Channel – Ant G)

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	Coupling: DC	Corr	CCorr	Atten: 26 dB	Trig: Free Run Gate: LO	Center Freq: Radio Std: N	3.694980000 GHz lone	Avg Hold Number	Settings
- /	Align: Auto	Freq NFE:	Ref: Int (S)		IF Gain: Low			10	
PASS		NFE:	Οff					Averaging	Meas Standard
I Range Graph	n 🔻							On	Clandard
le/Div 10.0 d	IB		R	ef Value 40.	00 dBm			Off	Advance
0								Average Mode	
0								Repeat	Global
ō					-h-h-h-h			Meas Type	
0								Full	
ō								Fuii	
0								Spur	
t 3.650 GHz								1	
							Stop 3.740 GH:		
Range Table	•						Stop 3.740 GH	Range	1
					Measure Tra	æ	Stop 3.740 GH: Trace 1		
					Measure Tra Trace Type			Range	
l Range Table	T	tart Freq	Stop Freq	RBW			Trace 1	Range 8	
I Range Table Spur F	Range S 1 3.	6500 GHz	3.6800 GHz	1.000 MHz	Trace Type Frequency 3.679800000 GHz	- Amplitude -41.00 dBm	Trace 1 Trace Average (Active) <u>ALimit</u> -16.00 dB	Range 8 Spur Report Mode	
I Range Table Spur F 1 2	Range S 1 3. 2 3.	6500 GHz 6800 GHz	3.6800 GHz 3.6890 GHz	1.000 MHz 1.000 MHz	Trace Type Frequency 3.679800000 GHz 3.688910000 GHz	-41.00 dBm -36.40 dBm	Trace 1 Trace Average (Active) ∆Limit -16.00 dB -23.40 dB	Range 8 Spur Report Mode	
I Range Table Spur I 1 2 3	Range S <u>1 3.</u> <u>2</u> 3. 3 3.	6500 GHz 6800 GHz 6890 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz	1.000 MHz 1.000 MHz 200.0 kHz	Trace Type Frequency 3.679800000 GHz 3.688910000 GHz 3.689410000 GHz	Amplitude -41.00 dBm -36.40 dBm -23.88 dBm	Trace 1 Trace Average (Active) △Limit -16.00 dB -23.40 dB -10.88 dB	Range 8 Spur Report Mode Minimum Margin C Range Settings	
Spur F	Range S 1 3. 2 3. 3 3. 4 3.	6500 GHz 6800 GHz 6890 GHz 6900 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz 3.7000 GHz	1.000 MHz 1.000 MHz 200.0 kHz 200.0 kHz	Trace Type Frequency 3.679800000 GHz 3.688910000 GHz 3.689410000 GHz 3.693433333 GHz	Amplitude -41.00 dBm -36.40 dBm -23.88 dBm 3.338 dBm	Trace 1 Trace Average (Active) ∆Limit -16.00 dB -23.40 dB -10.88 dB -21.66 dB	Range 8 Spur Report Mode Minimum Margin C Range Settings	
I Range Table Spur I 1 2 3	Range S 1 3. 2 3. 3 3. 4 3. 5 3.	6500 GHz 6800 GHz 6890 GHz 6900 GHz 7000 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz 3.7000 GHz 3.7010 GHz	1.000 MHz 1.000 MHz 200.0 kHz 200.0 kHz 200.0 kHz	Trace Type Frequency 3.679800000 GHz 3.688910000 GHz 3.689410000 GHz	Amplitude -41.00 dBm -36.40 dBm -23.88 dBm	Trace 1 Trace Average (Active) △Limit -16.00 dB -23.40 dB -10.88 dB	Range 8 Spur Report Mode Minimum Margin C Range Settings	
Spur F 1 2 3 4 5	Range S 1 3. 2 3. 3 3. 4 3. 5 3. 6 3.	6500 GHz 6800 GHz 6890 GHz 6900 GHz 7000 GHz 7000 GHz 7010 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz 3.7000 GHz 3.7010 GHz 3.7100 GHz	1.000 MHz 1.000 MHz 200.0 kHz 200.0 kHz 200.0 kHz 1.000 MHz	Trace Type Frequency 3.679800000 GHz 3.688910000 GHz 3.689410000 GHz 3.693433333 GHz 3.700096667 GHz 3.701030000 GHz	Amplitude -41.00 dBm -36.40 dBm -23.88 dBm 3.338 dBm -35.41 dBm	Trace 1 Trace Average (Active) <u>ALimit</u> -16.00 dB -23.40 dB -21.66 dB -22.41 dB -22.41 dB -23.10 dB -16.65 dB	Range 8 Spur Report Mode Minimum Margin Range Settings Meas Setup Summary Table	
Spur f Spur f 2 3 4 5 6	Range S 1 3. 2 3. 3 3. 4 3. 5 3. 6 3. 7 3.	6500 GHz 6800 GHz 6890 GHz 6900 GHz 7000 GHz 7010 GHz 7100 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz 3.7000 GHz 3.7010 GHz 3.7100 GHz 3.7200 GHz	1.000 MHz 1.000 MHz 200.0 kHz 200.0 kHz 200.0 kHz 1.000 MHz 1.000 MHz	Trace Type Frequency 3.67980000 GHz 3.688910000 GHz 3.689410000 GHz 3.693433333 GHz 3.700096667 GHz 3.701030000 GHz 3.710000000 GHz	Amplitude -41.00 dBm -36.40 dBm -23.88 dBm 3.338 dBm -35.41 dBm -36.10 dBm	Trace 1 Trace Average (Active) <u>ALimit</u> -16.00 dB -23.40 dB -20.88 dB -21.66 dB -22.41 dB -23.10 dB	Range 8 Spur Report Mode Minimum Margin C Range Settings	
Spur F 2 3 4 5 6 7	Range S 1 3. 2 3. 3 3. 4 3. 5 3. 6 3. 7 3.	6500 GHz 6800 GHz 6890 GHz 6900 GHz 7000 GHz 7010 GHz 7100 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz 3.7000 GHz 3.7010 GHz 3.7100 GHz 3.7200 GHz	1.000 MHz 1.000 MHz 200.0 kHz 200.0 kHz 200.0 kHz 1.000 MHz 1.000 MHz	Trace Type Frequency 3.67980000 GHz 3.688910000 GHz 3.689410000 GHz 3.693433333 GHz 3.700096667 GHz 3.701030000 GHz 3.710000000 GHz	Amplitude -41.00 dBm -36.40 dBm -33.88 dBm 3.338 dBm -35.41 dBm -36.10 dBm -41.65 dBm	Trace 1 Trace Average (Active) <u>ALimit</u> -16.00 dB -23.40 dB -21.66 dB -22.41 dB -22.41 dB -23.10 dB -16.65 dB	Range 8 Spur Report Mode Minimum Margin Range Settings Meas Setup Summary Table	
Spur F 2 3 4 5 6 7	Range S 1 3. 2 3. 3 3. 4 3. 5 3. 6 3. 7 3.	6500 GHz 6800 GHz 6890 GHz 6900 GHz 7000 GHz 7010 GHz 7100 GHz 7200 GHz	3.6800 GHz 3.6890 GHz 3.6900 GHz 3.7000 GHz 3.7010 GHz 3.7100 GHz 3.7200 GHz	1.000 MHz 1.000 MHz 200.0 kHz 200.0 kHz 200.0 kHz 1.000 MHz 1.000 MHz	Trace Type Frequency 3.67980000 GHz 3.688910000 GHz 3.689410000 GHz 3.693433333 GHz 3.700096667 GHz 3.701030000 GHz 3.710000000 GHz	Amplitude -41.00 dBm -36.40 dBm -33.88 dBm 3.338 dBm -35.41 dBm -36.10 dBm -41.65 dBm	Trace 1 Trace Average (Active) <u>ALimit</u> -16.00 dB -23.40 dB -10.88 dB -21.66 dB -22.41 dB -23.10 dB -16.65 dB -	Range 8 Spur Report Mode Minimum Margin Canage Settings Meas Setup Summary Table Auto Couple	

Plot 7-136. Channel Edge Plot (NR Band n48 - 10MHz QPSK - High Channel – Ant G)

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NR Band n48 – Ant C

RL	im Analyzer - Spuriou RF 50 Ω [us Emissions DC CORREC	Cente	SENSE:INT	ALIGN AUTO	11:09:30 AM Oct 12, 2022 Radio Std: None	Frequency
PASS	ate: LO	IFGain:Lov	Trig: I	Free Run n: 26 dB		Radio Device: BTS	
10 dB/div	Ref 30.00 (dBm					
20.0 10.0							Center Fre 3.570000000 G⊢
0.00 10.0 20.0							
30.0 40.0 50.0		~~~		\\\			
60.0						Stop 3.64 GHz	
	5112					6top 5.04 6Hz	CF Ste 730.000000 MH
Spur Range	e Start Freq	Stop Freq	RBW	Frequency	Amplitude	∆ Limit	<u>Auto</u> Ma
1 1	3.5100 GHz	3.5300 GHz	1.000 MHz	3.514000000 GHz	-45.85 dBm	-5.848 dB	
2 2	3.5300 GHz	3.5400 GHz	1.000 MHz	3.536400000 GHz	-43.55 dBm	-18.55 dB	Freq Offs
	3.5400 GHz	3.5490 GHz	1.000 MHz	3.546300000 GHz	-43.11 dBm	-30.11 dB	
3		3.5500 GHz	750.0 kHz	3.549290000 GHz	-36.90 dBm	-23.90 dB	0
4	3.5490 GHz	3.5500 GHZ					
4	3.5490 GHz 3.5500 GHz	3.5900 GHz		3.557238095 GHz	-0.445 dBm	-25.45 dB	
4 5			750.0 kHz	3.557238095 GHz 3.590550000 GHz		-25.45 dB -31.08 dB	
4 5 5 6 7 7	3.5500 GHz 3.5900 GHz 3.5910 GHz	3.5900 GHz	750.0 kHz 750.0 kHz 1.000 MHz	3.590550000 GHz 3.591000000 GHz	-44.08 dBm -43.77 dBm	-31.08 dB -30.77 dB	
4 4 5 5 6 6	3.5500 GHz 3.5900 GHz	3.5900 GHz 3.5910 GHz	750.0 kHz 750.0 kHz 1.000 MHz	3.590550000 GHz	-44.08 dBm -43.77 dBm	-31.08 dB	

Plot 7-137. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Low Channel – Ant C)



Plot 7-138. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel – Ant C)

FCC ID: A3LSMS918U		PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	: EUT Type:	
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