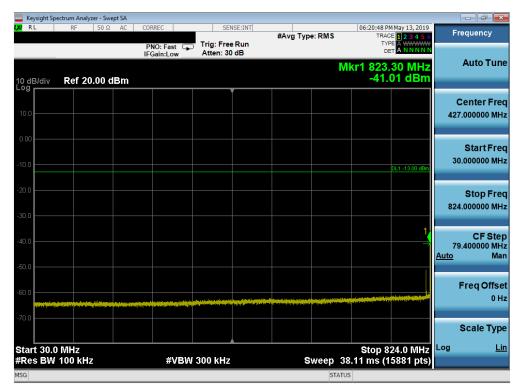


		ctrum Analyz		t SA											
L <mark>XI</mark> RI	L	RF	50 Ω	AC (	CORREC		SEN	ISE:INT	#Avg Typ	e: RMS	0		May 13, 2019	F	requency
					PNO: Fast IFGain:Lov		rig: Free Atten: 30					TYP			
10 dE Log	3/div	Ref 0.0	00 dBr	n							Mkr1	9.99 -43.	65 GHz 50 dBm		Auto Tune
209															Center Freq
-10.0													DL1 -13.00 dBm	5.50	0000000 GHz
-20.0															
20.0															Start Freq
-30.0														1.00	0000000 GHz
													1.		
-40.0										يذلبك وروافاتهم إرا					Stop Freq
-50.0			and the second		- <b>-</b>	and the second second	<u> </u>			the sum of the local data			al all presented in the	10.00	0000000 GHz
															05.04
-60.0														90	CF Step 0.000000 MHz
70.0														<u>Auto</u>	Man
-70.0															
-80.0															Freq Offset 0 Hz
															UHZ
-90.0															Scale Type
	t 1.00				-40	(D)M 2-	0 MIL-				S 15 G	top 10	.000 GHz	Log	Lin
#IRCH	SEW	1.0 MHz			#\	/BW 3.	UWIHZ		5	_	15.0U	rms (1	8001 pts)		
MBG										51/	A103				

Plot 7-123. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-124. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

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		n Analyzer - Sw										- F	×
L <mark>XI</mark> RL	F	RF 50 Ω	2 AC	CORREC		SEN	SE:INT	#Avg Typ	e: RMS		MMay 13, 2019 E <b>1 2 3 4 5 6</b>	Frequency	y
10 dB/	div R	ef 20.00 (	dBm	PNO: F IFGain:I	ast 😱 Low	Trig: Free Atten: 30			N	۲۷۱ Di <b>/kr1 849</b>		Auto T	ſune
10.0												Center I 924.500000	
-10.00											DL1 -13.00 dBm	Start I 849.000000	
-20.0												Stop I 1.000000000	
-40.0	1											CF \$ 15.100000 <u>Auto</u>	Step MHz Man
	Water, ingto my original for		legther-served-color	ىلىنىۋرىۋىيەر سىرىمىيەر	وهدار والمراجع	90 <sup>0</sup> 011112452014-53021544	Gundalandar (urr-yalahiga	- Malina - Januar - J		~~ <b>_~</b>	jhesa party we see Horas	Freq Of	ffset 0 Hz
	0.84900									Stop 1.0	0000 GHz	Scale 1 Log	Гуре <u>Lin</u>
	BW 100	kHz			#VBW	300 kHz				7.248 ms (	3021 pts)		
MSG									STAT	US			

Plot 7-125. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-126. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyzer - Sw												
LXI RL	RF 50 Ω	AC	CORREC			ISE:INT	#Avg Typ	e: RMS		TRAC	4 May 13, 2019 E 1 2 3 4 5 6	F	requency
			PNO: Fas IFGain:Lo	st 🖵 w	Trig: Free Atten: 30					TYP			
10 dB/div	Ref 20.00 (	dBm							Mkr	1 821. -49.	95 MHz 07 dBm		Auto Tune
													Center Freq
10.0													7.000000 MHz
0.00													
0.00													Start Freq
-10.0											DL1 -13.00 dBm	3	0.000000 MHz
-20.0													
20.0												82	Stop Freq 4.000000 MHz
-30.0													
-40.0												-	CF Step 9.400000 MHz
											1	/ <u>Auto</u>	9.400000 MHZ Man
-50.0													
-60.0													Freq Offset 0 Hz
			مراجع (1) وماريخ (2) مراجع (1) مراجع (2) مراجع (1) مراجع (2)			a de planeta de la composición de				المتحلية بالتتم للعال	ala dal antik balla ka da da antiki		0 H2
-70.0													Scale Type
Start 30.0	MHz									Stop 8	24.0 MHz	Log	<u>Lin</u>
#Res BW			#\	VBW :	300 kHz		s	weep	38.1	1 ms <u>(</u> 1	5881 pts)		
MSG								ST	ATUS				

Plot 7-127. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-128. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ctrum Analyzer - S										
LXI RL	RF 50	Ω AC	CORREC	SEN	SE:INT	#Avg Typ	e: RMS		M May 13, 2019	F	requency
			PNO: Fast IFGain:Low	Trig: Free #Atten: 3		#//g//jp		TY D			Auto Tune
10 dB/div Log	Ref 0.00 c	IBm						Mkr1 9.98 -41.	50 GHZ 55 dBm		
										(	Center Freq
-10.0									DL1 -13.00 dBm	5.50	0000000 GHz
-20.0											
											Start Freq
-30.0										1.00	0000000 GHz
-40.0									1		Oton Erog
		-	and the second second							10.00	Stop Freq 0000000 GHz
-50.0											
-60.0										900	CF Step
										<u>Auto</u>	Man
-70.0											
-80.0											Freq Offset 0 Hz
											UHZ
-90.0											Scale Type
										Log	
Start 1.00 #Res BW			#VBW	( 3.0 MHz		s	weep	Stop 10 15.60 ms (1	.000 0112	LUg	Lin
MSG								ATUS			

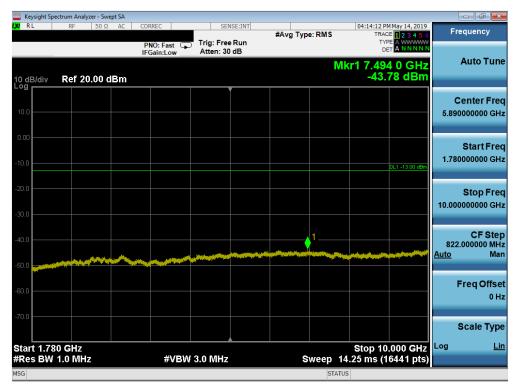
Plot 7-129. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ctrum Analyze												- 0 💌
RL	RF	50 Ω	AC	CORREC	c ∣ Fast ⊂⊾		ee Run	#Avg T	ype: RMS	TF	PM May 14, 2019 ACE 1 2 3 4 5 6 TYPE A WWWWW	Fre	quency
0 dB/div	Ref 20.0	00 dl	Bm	IFGair	n:Low	Atten:	30 dB			Vikr1 1.7 -30	09 0 GHz 0.52 dBm		Auto Tun
10.0													enter Fre 500000 MH
10.0											DL1 -13.00 dBm		Start Fre
20.0 <b></b> 30.0 <b></b>											1		Stop Fre 000000 GH
40.0										A Lang of The Internal (Assumption)		167. <u>Auto</u>	CF Ste 900000 Mi Ma
60.0	an an single and an	naraga lakaran	~****		ingration (n) (199							F	req Offs 0 I
70.0 Start 0.03										Stop 1	.7090 GHz	Log	Scale Typ L
Res BW	1.0 MHz				#VBV	/ 3.0 MH	Z		Sweep	2.239 ms	s (3359 pts)		

Plot 7-130. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-131. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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	um Analyzer - Swept SA	•					
L <mark>XI</mark> RL	RF 50 Ω AC	CORREC	SENSE:INT	#Avg Type: R		PM May 14, 2019 ACE 1 2 3 4 5 6	Frequency
		PNO: Fast 🖵	Trig: Free Run Atten: 10 dB	•	т	YPE A WWWWW DET A NNNNN	
10 dB/div	Ref 0.00 dBm				Mkr1 18.30 -55	03 5 GHz .20 dBm	Auto Tune
-10.0						DL1 -13.00 dBm	Center Freq 15.00000000 GHz
-20.0							Start Freq 10.000000000 GHz
-40.0					1-		Stop Freq 20.000000000 GHz
-60.0							CF Step 1.000000000 GHz <u>Auto</u> Man
-80.0							Freq Offset 0 Hz
-90.0					Ctor 2	0.000 GHz	Scale Type
Start 10.000 #Res BW 1.	0 MHz	#VBW	3.0 MHz	Swe	ep 25.33 ms (	20001 pts)	
MSG					STATUS		

Plot 7-132. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-133. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ctrum Analyzer - Swe										
L <mark>XI</mark> RL	RF 50 Ω	AC CO	RREC		ISE:INT	#Avg Typ	e: RMS	TRA	PM May 14, 2019 ACE 1 2 3 4 5 6	Freque	ency
10 dB/div	Ref 20.00 c	IF	NO: Fast ⊆ Gain:Low	Trig: Free Atten: 30			ľ	Mkr1 9.99	7 0 GHz .05 dBm	Aut	to Tune
10.0										Cent 5.890000	ter Freq 000 GHz
-10.0									DL1 -13.00 dBm	Sta 1.780000	art Freq 000 GHz
-20.0										Sto 10.000000	op Freq 000 GHz
-40.0									1		CF Step 000 MHz Man
-60.0										Fred	q Offset 0 Hz
-70.0 Start 1.78								Stop 1		Sca Log	le Type <u>Lin</u>
#Res BW			#VBW	3.0 MHz		s	weep		0.000 GHz 16441 pts)		<u></u>
MSG								TUS			

Plot 7-134. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-135. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyzer - Sv										
LXU RL	RF 50 S	AC (	CORREC	SEN	SE:INT	#Avg Typ	e: RMS		M May 14, 2019 DE 1 2 3 4 5 6	Fr	equency
10 dB/div	Ref 20.00		PNO: Fast 🕞 IFGain:Low	Trig: Free Atten: 30				TY			Auto Tune
10.0											enter Freq .000000 MHz
-10.0									DL1 -13.00 dBm	30	Start Freq .000000 MHz
-20.0										1.710	Stop Freq
-40.0									1	168 <u>Auto</u>	CF Step .000000 MHz Man
-60.0	**************************************	ner sin en	**************************************		and a second	nee-4-4-ee-ingeningen af 8 <sup>9</sup> aan ar 4				I	Freq Offset 0 Hz
-70.0 Start 0.03	100 GHz							Stop 1	7100 GHz		Scale Type <u>Lin</u>
#Res BW			#VBW	/ 3.0 MHz			Sweep	2.240 ms	(3361 pts)		
MSG							STA	TUS			

Plot 7-136. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-137. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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PNO: Fast         Trig: Free Run Atten: 10 dB         #Avg Type: RMS         Trace II 2 3 4 3 50 Trace II 2 3 4 3 50 Def MININ         Frequency           10 dB/div         Ref 0.00 dBm         -55.10 dBm         -55.10 dBm         -600 <td< th=""><th></th><th>ectrum Analyzer - Sv</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>		ectrum Analyzer - Sv										
PRO: Fast (FGain:Low)         Trig: Free Run Atten: 10 dB         Mkr1 18.307 5 GHz -55.10 dBm         Auto Tune           10 gB/div         Ref 0.00 dBm         Center Freq 15.00000000 GHz         Center Freq 15.00000000 GHz         Center Freq 15.00000000 GHz         Start Freq 10.00000000 GHz         Start Freq 10.0000000 GHz </td <td>L<mark>XI</mark>RL</td> <td>RF 50 \$</td> <td>2 AC (</td> <td>CORREC</td> <td>SEN</td> <td>ISE:INT</td> <td>#Ava Tvp</td> <td></td> <td></td> <td></td> <td>Fr</td> <td>equency</td>	L <mark>XI</mark> RL	RF 50 \$	2 AC (	CORREC	SEN	ISE:INT	#Ava Tvp				Fr	equency
Log         Center Freq           100         21-1300 fm           200         21-1300 fm           200         21-1300 fm           200         21-1300 fm           300         31-1300 fm           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11           400         31-11							#/ (1g 1)p		۲۲ ۵ Ikr1 18.30			Auto Tune
.10.0	10 dB/div	Ref 0.00 d	Bm						-55.	10 dBm		
-300       -300										DL1 -13.00 dBm		•
500       1											10.00	•
1.00000000 GHz         4000 </td <td></td> <td>20.00</td> <td></td>											20.00	
-80.0 -80.0	-				_							0000000 GHz
Start 10.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 25.33 ms (20001 pts)												-
#Res BW 1.0 MHz         #VBW 3.0 MHz         Sweep         25.33 ms (20001 pts)												
				#\/BIA	( 3 0 MHz			ween		.000 0112	LUg	
	#RGS DW	1.0 10/12		#VDV	5.0 WINZ		3			.000 r pts)		

Plot 7-138. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analy:												- ¢ 💌
URL	RF	50 Ω	AC	CORRE	:Fast 🗔		ee Run	#Avg	Type: RMS	TF	2 PM May 14, 2019 RACE 1 2 3 4 5 6 TYPE A WWWWW	Fre	quency
0 dB/div	Ref 20	.00 dl	Bm	IFGai	n:Low	Atten:			ľ	Mkr1 1.8 -3(	49 0 GHz 0.76 dBm	-	Auto Tun
10.0													enter Fre 500000 MH
10.0											DL1 -13.00 dBm		Start Fre
20.0 <b></b> 30.0 <b></b>											1		Stop Fre
40.0 50.0									gan al Marine the second state			181.9 <u>Auto</u>	CF Ste 900000 M M
60.0	4Para da angana tang			****								F	req Offs 0 I
70.0										Stop 7	1.8490 GHz	Log	cale Typ L
Res BW	1.0 MHz				#VBV	/ 3.0 MH	Z		Sweep	2.425 ms	s (3639 pts)		

Plot 7-139. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



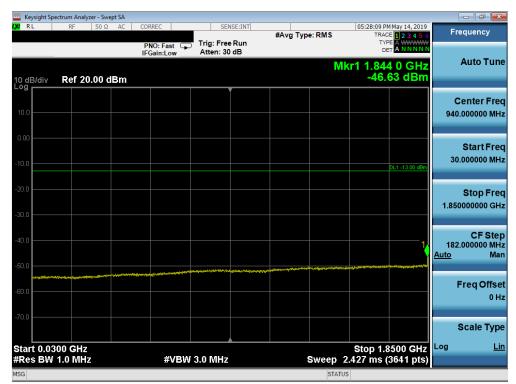
Plot 7-140. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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Plot 7-141. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-142. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	trum Analyzer - Sw									
LX/RL	RF 50 Ω	AC C	ORREC	SEN	ISE:INT	#Avg Typ	e: RMS		M May 14, 2019 CE 1 2 3 4 5 6	Frequency
			PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 30				TY D		Auto Tui
10 dB/div Log	Ref 20.00 (	dBm						Mkr1 9.98 -43.	8 5 GHZ 54 dBm	
										Center Fre
10.0										5.957500000 GI
0.00										Start Fre
-10.0										1.915000000 GI
									DL1 -13.00 dBm	
-20.0										Stop Fre
-30.0										10.00000000 GI
-30.0										
-40.0									<u>+1</u>	CF Ste 808.500000 MI
	and the second states and	~~~	-							<u>Auto</u> Ma
-50.0										
-60.0										Freq Offs
										01
-70.0										Scale Typ
Start 1.91: #Res BW			#VBM	( 3.0 MHz		s	weep	Stop 10 14.01 ms (1	.000 0112	Log <u>L</u>
MSG								ATUS		

Plot 7-143. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-144. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager					
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	ctrum Analyzer - Sw										
LXU RL	RF 50 Ω	AC C	ORREC	SEN	ISE:INT	#Avg Typ	e: RMS		M May 14, 2019 CE <b>1 2 3 4 5 6</b>	F	requency
10 dB/div	Ref 20.00 d		PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 30	Run dB			™ ₀ /kr1 1.84			Auto Tune
10.0											Center Freq 0.000000 MHz
-10.0									DL1 -13.00 dBm	3(	Start Freq 0.000000 MHz
-20.0										1.85	Stop Freq 0000000 GHz
-40.0									1	182 <u>Auto</u>	CF Step 2.000000 MHz Man
-60.0	unian ang ang binang binang Ing ang ang ang ang ang ang ang ang ang a				2012078(V92791-0), 07,						Freq Offset 0 Hz
-70.0								Stop 4			Scale Type <u>Lin</u>
Start 0.03 #Res BW			#VBM	/ 3.0 MHz			Sweep	Stop 1. 2.427 ms	8500 GHz (3641 pts)	209	<u></u>
MSG							STA				

Plot 7-145. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-146. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	pectrum Analyze											- • ×
LXI RL	RF	50 Ω AC	CORR	EC	SEN	SE:INT	#Avg Typ	e RMS		PM May 14, 2019 ACE 1 2 3 4 5 6	F	requency
			PN	D:Fast 🖵	Trig: Free Atten: 10				1			
			IFGa	ain:Low	Atten. It	uВ		M	lke1 10 2	06 5 GHz		Auto Tune
10 dB/div	Ref 0.00	) dBm							-5	5.14 dBm		
Log					,							
												Center Freq
-10.0										DL1 -13.00 dBm	15.00	0000000 GHz
-20.0												
-20.0												Start Freq
-30.0											10.00	0000000 GHz
-40.0												Stop Freq
											20.00	0000000 GHz
-50.0									1			
-60.0									and the second sec			CF Step
-60.0		and a second										0000000 GHz Man
-70.0											<u>Auto</u>	Ivian
-80.0												Freq Offset 0 Hz
												0112
-90.0												
												Scale Type
Start 10.										0.000 GHz	Log	<u>Lin</u>
#Res BW	1.0 MHz			#VBW	3.0 MHz		s	weep	25.33 ms	(20001 pts)		
MSG								ST	ATUS			

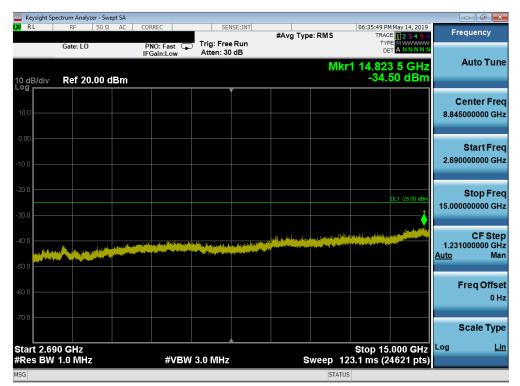
Plot 7-147. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

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	ectrum Analy	zer - Swep	t SA										
LXI RL	RF	50 Ω	AC	CORREC		SEI	SE:INT	#Avg Typ	e: RMS		M May 14, 2019 CE 1 2 3 4 5 6	Fred	luency
	Gate: LO			PNO: F	ast 🖵	Trig: Free Atten: 30		•		TY			
				in Gain.t	.0w	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Ν	lkr1 2.43	8 0 GHz	4	uto Tune
10 dB/div	Ref 20	.00 dE	3m							-42.	99 dBm		
													nter Freg
10.0													00000 GHz
												1.2020	00000 0112
0.00													
													Start Freq 00000 MHz
-10.0												30.0	
-20.0													
-20.0											DL1 -25.00 dBm		Stop Freq
-30.0												2.4750	00000 GHz
-40.0											<b>├</b> ──•••	244.5	CF Step
				ينب ويالون ال	ي ي يو يو المؤلفان		de Calendas Datas			and the second secon	<u>A a ta vision da la la</u>	Auto	Man
-50.0						and a second strands	and the second						
-60.0												Fr	eq Offset
00.0													0 Hz
-70.0													
												S	cale Type
Start 0.03	0 GHz									Stop 2	2.475 GHz	Log	Lin
#Res BW		z		;	#VBW	3.0 MHz			Sweep	24.45 ms	(4891 pts)		
MSG									STA	rus			

Plot 7-148. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



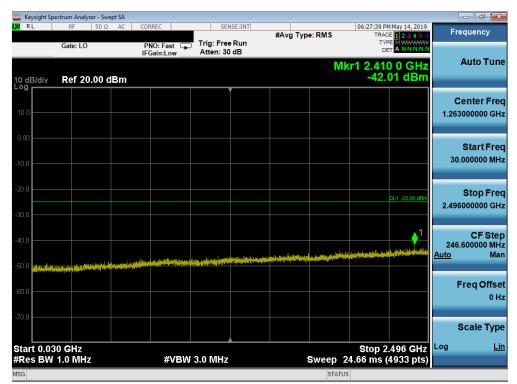
Plot 7-149. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyz		SA										
X/RL	RF	50 Ω	AC CO	ORREC		SEN	ISE:INT	#Avg Typ	e: RMS	06:3	6:00 PM May 1 TRACE 1 2	4,2019	Frequency
	Gate: LO		1	PNO: Fas FGain:Lo	st 구	Trig: Free Atten: 10		0 31				NNNN	
10 dB/div Log	Ref 0.0	)0 dBn	n						N	lkr1 25	.506 5 -46.25 c	GHz JBm	Auto Tun
													Center Free
-10.0													21.000000000 GH
-20.0											DL1 -25	5.00 dBm	StartFree
-30.0													15.000000000 GH
-40.0											1		Stop Free
-50.0									Later Party	المغالبين ورازا		the strength	27.000000000 GH
Sector Sector	والمقال والمحاولة والمحاولة	Align the	ng pangan da Ang pangan dan							A HAR AND AND A HAR AND A		and the second	CF Ster
-60.0 <b>-60.0</b>													1.200000000 GH Auto Mar
-70.0													
-80.0													Freq Offse 0 H
-90.0													
													Scale Type
Start 15.0 #Res BW				#\	VBW	3.0 MHz		6	weep	Sto 240.0 n	p 27.000 ns (2400'	GHz 1 pts)	Log <u>Li</u> i
MSG									ST	ATUS			

Plot 7-150. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-151. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager				
Test Report S/N:	Test Dates:	EUT Type:		Dogo 06 of 220				
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	ectrum Analyzer - S										d X
LXI RL	RF 50	Ω AC CO	ORREC	SEN	SE:INT	#Avg Typ	e: RMS		M May 14, 2019 CE 1 2 3 4 5 6	Freque	ency
	Gate: LO		PNO: Fast 📮 FGain:Low	Trig: Free Atten: 30				TY	PE M WWWWW		
			-Gain:Low	Atten. 50	ub		М	kr1 14.65		Aut	to Tune
10 dB/div	Ref 20.00	dBm						-34.	69 dBm		
				,							-
10.0										8.845000	er Freq
10.0										8.845000	000 GHZ
0.00											
											art Freq
-10.0										2.690000	000 GHz
-20.0									DL1 -25.00 dBm	Ste	op Freq
									DL1 -25.00 dBhi	15.000000	000 GHz
-30.0									<b>│                                    </b>		
-40.0						at describes as include		all postantions	to face being the state of the state		F Step
Harles	all and a second second	ally of Allensis Design	ang	All of the second				which there is a statistical,		1.231000 Auto	000 GHz Man
-50.0										Auto	Wall
										-	
-60.0										Free	Offset p 0 Hz
											0 H2
-70.0											
										Sca	Іе Туре
Start 2.69	0 GHz							Stop 1:	.000 GHz	Log	Lin
#Res BW			#VBW	/ 3.0 MHz		S	weep	123.1 ms (2	24621 pts)		
MSG							STA	TUS			

Plot 7-152. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



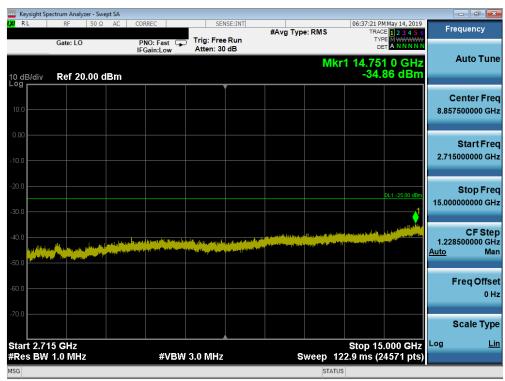
Plot 7-153. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager					
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🔤 Keysight Sp											-	
LX/IRL	RF	50 Ω	AC C	ORREC	SE	NSE:INT	#Avg Typ	e: RMS		MMay 14, 2019	Fred	quency
	Gate: LO	)		PNO: Fast C FGain:Low	Trig: Free Atten: 30		0,7		TYI Di			
10 dB/div Log	Ref 2	0.00 d	Bm					Μ	kr1 2.43 -43.	6 0 GHz 25 dBm	A	uto Tune
											Ce	nter Freq
10.0											1.2630	00000 GHz
0.00											g	Start Freq
-10.0												00000 MHz
-20.0												_
-20.0										DL1 -25.00 dBm		Stop Freq
-30.0												
-40.0									ile, antika arkan (Bendik		246.6 Auto	CF Step 00000 MHz Man
-50.0							a dina ka amarika				Auto	Man
-60.0											Fr	eq Offset
70.0												0 Hz
-70.0											S	cale Type
Start 0.03									Stop 2	.496 GHz	Log	<u>Lin</u>
#Res BW	1.0 MH	Z		#VB	W 3.0 MHz				24.66 ms (	4933 pts)		
MSG								STATU	JS			

Plot 7-154. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-155. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager				
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	ectrum Analyzer - S										- 6 ×
L <mark>XI</mark> RL	RF 50	Ω AC (	CORREC	SEN	ISE:INT	#Avg Typ	e: RMS		M May 14, 2019 CE 1 2 3 4 5 6	F	requency
	Gate: LO		PNO: Fast	Trig: Free Atten: 10		0 /1		Tkr1 25.80			Auto Tune
10 dB/div Log	Ref 0.00 c	IBm			_			-40	.97 abm		
-10.0											Center Freq 0000000 GHz
-20.0									DL1 -25.00 dBm		Start Freq
-30.0										15.00	0000000 GHz
-30.0											
-40.0							i i nadi		1	27.00	Stop Freq
-50.0					ngelages), poster Institution (1997)	te de la contraction		And the second second			
-60.0										1.20 <u>Auto</u>	CF Step 0000000 GHz Man
-70.0											-
-80.0									<u> </u>		Freq Offset 0 Hz
											0112
-90.0											Scale Type
Start 15.0								Stop 2	7.000 GHz	Log	Lin
#Res BW	1.0 MHz		#VBV	V 3.0 MHz		S	weep	240.0 ms (	24001 pts)		
MSG							ST	ATUS			

Plot 7-156. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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### 7.4 Band Edge Emissions at Antenna Terminal

### **Test Overview**

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. 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.

# The minimum permissible attenuation level for Band 13 and Band 41 is as noted in the Test Notes on the following page.

### 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  $\geq$  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 7-3. Test Instrument & Measurement Setup

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#### Test Notes

Per 22.917(b) 24.238(a) 27.53(h) 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 to demonstrate compliance with the out-of-band emissions limit. 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.

Per 27.53(g) for operations in the 698-746 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.

Per 27.53(c)(5) for operations in the 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.

For all plots showing emissions in the 763 – 775MHz and 793 – 805MHz band, the FCC limit per 27.53(c)(4) is 65 + 10  $\log_{10}(P) = -35$ dBm in a 6.25kHz bandwidth.

Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than  $40 + 10 \log (P) dB$  on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P) dB$  on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that  $43 + 10 \log (P) dB$  on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.

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Plot 7-157. Lower Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-158. Upper Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)

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	pectrum Analy													
RL	RF	50 Ω	AC	CORREC			NSE:INT	##	vg Typ	e: RMS	TI	5 PM May 13, 2019 RACE 1 2 3 4 5 6 TYPE A	F	requency
	_			PNO: W IFGain:l	/ide ↔→ Low	Trig: Free Atten: 30								
										М	kr1 662	.912 MHz		Auto Tur
) dB/div	Ref 25	5.00 dl	Bm								-26.	523 dBm		
														Center Fr
5.0														3.000000 M
i.00								man	www.	manny	1.2424-14-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	- married and a start and a start and a start a		Otort Er
							ļ						65	Start Fr 9.000000 M
.00														5.000000 1
5.0												DL1 -13.00 dBm		
3.0														Stop Fr
5.0							and the						00	7.000000 M
			www.	-	and and the	allow and the second								0.5.04
5.0	www.	white we wanted	F ·											CF St 800.000 P
													<u>Auto</u>	N
5.0														
5.0														Freq Offs
														0
5.0														
														Scale Ty
enter 6	63.000 N	1Hz									Span	8.000 MHz	Log	
	100 kH				#VBW	300 kHz				Sweep	13.33 m	s (1001 pts)		
G										STAT	TUS			

Plot 7-159. Lower Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-160. Upper Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ctrum Analyzer - Sw										
L <mark>XI</mark> RL	RF 50 Ω	2 AC	CORREC	SEN	ISE:INT	#Avg Typ	e: RMS		MMay 13, 2019	F	requency
10 dB/div	Ref 25.00	dBm	PNO: Wide ↔ IFGain:Low	Trig: Free Atten: 36			M	cr1 662.9			Auto Tune
15.0				`````````````````````````````````							Center Freq 3.000000 MHz
-5.00							· · · · · ·	A constant and a constant		65	Start Freq 7.000000 MHz
-15.0					1				DL1 -13.00 dBm	66	Stop Freq 9.000000 MHz
-35.0	sur sur sur	and the second	and the second s	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						Auto	CF Step 1.200000 MHz Mar
-55.0											Freq Offset 0 Hz
-65.0	3.000 MHz							Span 1	2.00 MHz	Log	Scale Type <u>Lir</u>
#Res BW			#VBW	470 kHz			Sweep	1.000 ms (	1001 pts)		
MSG							STATU	JS			

Plot 7-161. Lower Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)



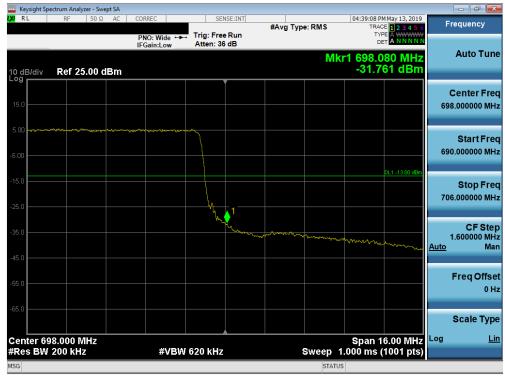
Plot 7-162. Upper Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager	
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🔤 Keysight Spectrum Analyz								
RL RF	50 Ω AC	CORREC		VSE:INT	#Avg Typ	e: RMS	04:37:45 PM May 13, 20 TRACE 1 2 3 4	5 6 Frequency
	.00 dBm	PNO: Wide ↔ IFGain:Low	. Trig: Free Atten: 36			Mk	TYPE A WWW DET A NNN TT 662.952 MH -28.51 dB	Auto Tune
15.0								Center Free 663.000000 MH
-5.00							an a	Start Free 655.000000 MH
-15.0				1			DL1 -13.00 d	Stop Free 671.000000 MH
-35.0	for and the second second	- And and a second second	- Andrew Contract					CF Step 1.600000 MH <u>Auto</u> Mar
-55.0								Freq Offse 0 H
-65.0 Center 663.000 M	Hz						Span 16.00 Mł	Scale Type
#Res BW 200 kHz		#VBW	620 kHz			Sweep ′	1.000 ms (1001 pt	(S)
MSG						STATU	S	

Plot 7-163. Lower Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-164. Upper Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)

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Plot 7-165. Lower Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-166. Upper Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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	ectrum Analyz		t SA										
X/RL	RF	50 Ω	AC	CORREC			NSE:INT	#Avg Typ	e: RMS	TRAC	M May 13, 2019 DE 1 2 3 4 5 6	F	requency
				PNO: W IFGain:L		Trig: Fre Atten: 3				TYI Di			
									M	(r1 697.9	84 MHz		Auto Tune
10 dB/div Log	Ref 25	.00 dE	3m							-28.7	80 dBm		
							Ĩ					(	Center Fred
15.0												69	3.000000 MHz
5.00										Annoven	and the second		
5.00													Start Free
-5.00									+			69	5.000000 MHz
											DL1 -13.00 dBm		
-15.0													Stop Free
-25.0							1		Constrained of			70	0.000000 MHz
				and	whenter	and a second	www.weiterson	and an all and a second second					CF Step
-35.0	My and a faither	Judienter	and	~J~~~ ·									400.000 kHz
-45.0												<u>Auto</u>	Mar
40.0													
-55.0													Freq Offset 0 Hz
-65.0													Scale Type
													Lin
Center 69 #Res BW				7	≠vвw	300 kHz			Sweep	Span 4 6.667 ms (	.000 MHz (1001 pts)	LUg	
4SG									STATU	_			

Plot 7-167. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-168. Upper Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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Keysight Spectrum Analyzer - Swept					- i ×
<b>LX RL RF 50 Ω</b>	AC CORREC	SENSE:INT	#Avg Type: RMS	05:19:52 PM May 13, 2019 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dB	IFGain:Low At	g: Free Run ten: 36 dB		TYPE & WWWWW DET A NNNN Ikr1 697.992 MHz -29.491 dBm	Auto Tune
15.0					Center Freq 698.000000 MHz
-5.00					Start Freq 696.000000 MHz
-15.0		1	a collo complete and	DL1 -13.00 dBm	Stop Freq 700.000000 MHz
-35.0	and				CF Step 400.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 698.000 MHz #Res BW 100 kHz	#VBW 300	kHz	Sweep	Span 4.000 MHz 6.667 ms (1001 pts)	
MSG				TUS	

Plot 7-169. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)



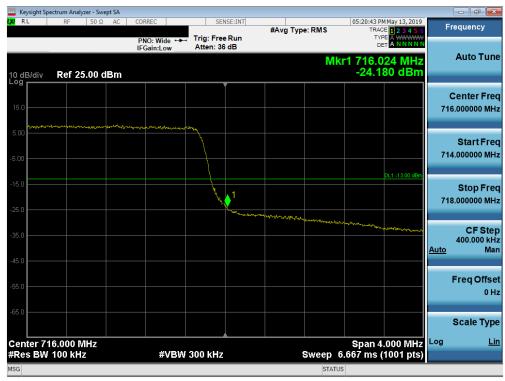
Plot 7-170. Lower Band Edge Plot (Band 17 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyzer										
LXI RL	RF 5	OΩ AC	CORREC	SE	NSE:INT	#Avg Typ	e: RMS		MMay 13, 2019	Fr	requency
			PNO: Wide IFGain:Low	↔ Trig: Fre Atten: 3				TY			
10 dB/div Log	Ref 25.0	0 dBm					Mk	1 702.8 -31.	88 MHz 49 dBm		Auto Tune
					Í						Center Freq
15.0										700	).900000 MHz
5.00											Start Freq
-5.00										698	3.900000 MHz
-15.0									DL1 -13.00 dBm		Stop Frog
										702	Stop Freq 2.900000 MHz
-25.0									1		
-35.0			yyernadeene	And and a start of the start of	๚ <mark>๚๛๛๛๛๚๚๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛</mark>	all and the second s	e marine and a second s	hand and the second of the second of the second s		<b>0</b>	CF Step 400.000 kHz
-45.0	And a second second second									<u>Auto</u>	Man
-55.0											Freq Offset
05.0											0 Hz
-65.0											Scale Type
Center 70	0.900 MH	z						Span 4	.000 MHz	Log	Lin
#Res BW			#VE	3W 300 kHz			Sweep 6	.667 ms (	1001 pts)		
MSG							STATUS				

Plot 7-171. Lower Extended Band Edge Plot (Band 17 - 5.0MHz QPSK - Full RB Configuration)



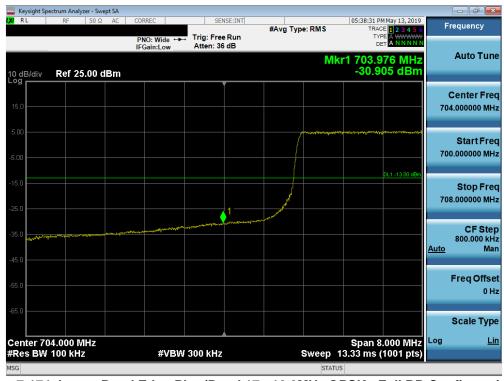
Plot 7-172. Upper Band Edge Plot (Band 12/17 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyzer - Sw										
X/RL	RF 50 Ω	AC	PNO: Wide			#Avg Typ	e: RMS	TRAC	May 13, 2019 E 1 2 3 4 5 6 E A WWWWW	Fr	equency
10 dB/div	Ref 25.00 c		IFGain:Low	Atten: 36			M	(r1 697.9	60 MHz 28 dBm		Auto Tune
15.0											Center Freq 3.000000 MHz
-5.00							LELL' AND AND AND A	Reconstrate and	Lolautorente <sup>n sej</sup> ret	694	Start Freq 1.000000 MHz
-15.0					1				DL1 -13.00 dBm	702	Stop Fred 2.000000 MHz
-35.0	han warden and	and the second sec	un and an and an and an	and the second second	un ann an that an th	Novertune .				<u>Auto</u>	CFStep 800.000 kHz Mar
-55.0											Freq Offse 0 Ha
-65.0	8.000 MHz							Span 8	.000 MHz	Log	Scale Type <u>Lin</u>
#Res BW	100 kHz		#VB	W 300 kHz			Sweep	13.33 ms (	1001 pts)		
1SG							STATU	JS			

Plot 7-173. Lower Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)



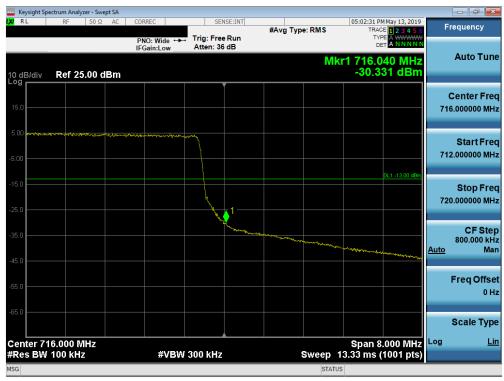
Plot 7-174. Lower Band Edge Plot (Band 17 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	pectrum Analyzer - S										
LXU RL	RF 50 9	AC AC	CORREC	SE	NSE:INT	#Avg Typ	e: RMS		M May 13, 2019 CE <b>1 2 3 4 5 6</b>	F	requency
	-		PNO: Wide ← IFGain:Low	Trig: Free Atten: 36		•		TY D			Auto Tune
10 dB/div Log	Ref 25.00	dBm					M	kr1 702.8 -32.	32 MHZ 32 dBm		Thate Fulle
					Ĭ					(	Center Freq
15.0										70	0.900000 MHz
5.00											
										69	Start Freq 3.900000 MHz
-5.00									DI 4. 40.00 JD-		
-15.0									DL1 -13.00 dBm		Stop Freq
-25.0										70:	2.900000 MHz
20.0									1		OE Oton
-35.0	chapter and a france of the second	varmer	vennennen	ىمارىيەت بىرىغى رىلىرىچە يىمەدەكەر ئىرىغار <sup>لى</sup> مەر <sup>لى</sup> مەر		ىلىمەرىۋە ئ <u>ىر مىلى م</u> ىلىرىمىيەن	94 <del>00000-01400000</del>	and the second sec	N Sponser Con Decord		CF Step 400.000 kHz
-45.0										<u>Auto</u>	Man
											Freq Offset
-55.0											0 Hz
-65.0											Ocale Trees
											Scale Type
	00.900 MHz		#\/B	W 300 kHz			Buroon	Span 4	.000 MHz	Log	Lin
	/ 100 kHz		#VB	W SUU KHZ				6.667 ms	(Tour pis)		
MSG							STAT	105			

Plot 7-175. Lower Extended Band Edge Plot (Band 17 - 10.0MHz QPSK - Full RB Configuration)



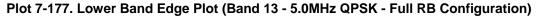
Plot 7-176. Upper Band Edge Plot (Band 12/17 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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Band 13

	trum Analyzer - Sv										- ¢ 🗾
XI RL	RF 50 S	2 AC	PNO: Wide		Run	#Avg Typ	e: RMS	TRAC	M May 07, 2019 DE 1 2 3 4 5 6 PE A WWWWW	F	requency
10 dB/div	Ref 25.00		IFGain:Low	Atten: 36	dB		Μ	kr1 776.9	92 MHz 88 dBm		Auto Tun
15.0											Center Fre 7.000000 Mi
5.00										77	Start Fr 5.000000 M
25.0				and derwood	1, <sup>1</sup>				DL1 -13.00 dBm	77	Stop Fr 9.000000 M
45.0		and a second and a	and the second							<u>Auto</u>	CF St 400.000 k N
55.0 <b>4000000</b>	and Anthony Contraction										Freq Offs 0
65.0 Center 777								Span 4	.000 MHz	Log	Scale Ty <u>I</u>
Res BW 1	00 kHz		#VBV	V 300 kHz			Sweep	6.667 ms	(1001 pts)		





Plot 7-178. Lower Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	pectrum Analy												
RL	RF	50 Ω	AC	CORREC	Vide 🔾	Trig: Fre		#Avg Ty	pe: RMS	TRA	PM May 07, 2019 ACE 1 2 3 4 5 6 APE A WWWW	F	requency
0 dB/div	Ref 25	.00 dl	Bm	IFGain	Low	Atten: 3	6 dB		N	lkr1 787.	004 MHz .91 dBm		Auto Tur
15.0				Westerner	n margari		• 						Center Fre 7.000000 Mi
												78	Start Fr 5.000000 M
5.0						ha ha	1				DL1 -13.00 dBm	789	Stop Fr 9.000000 M
5.0							Markan	n-non-trapporter		nnes-segenserengen annen ger	the frequency of the second	<u>Auto</u>	CF St 400.000 k N
5.0													Freq Offs 0
5.0													Scale Ty
	87.000 N / 100 kHz				#VBW	/ 300 kHz			Sweep	، Span 6.667 ms	4.000 MHz (1001 pts)	Log	1
G		_								TUS			

Plot 7-179. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



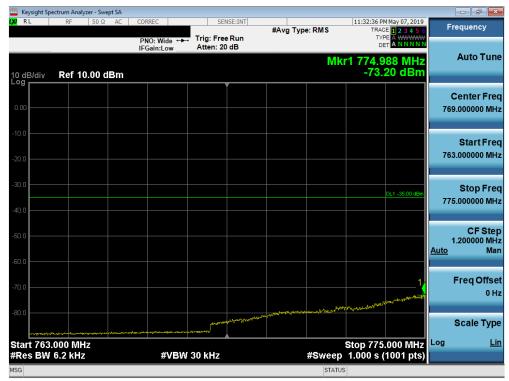
Plot 7-180. Upper Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 112 of 220	
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	ctrum Analyzer - Swep	ot SA								_	
LXVI RL	RF 50 Ω	AC	CORREC	SEN	ISE:INT	#Avg Typ	e: RMS		4 May 07, 2019 E 1 2 3 4 5 6	Fr	equency
			PNO: Wide ++ IFGain:Low	Trig: Free Atten: 36			M	TYF DE <b>kr1 777.0</b>			Auto Tune
10 dB/div Log	Ref 25.00 di	Bm						-30.	02 dBm		
15.0											Center Freq 2.000000 MHz
-5.00						นรูโคระสีงว่ามูร่างที่สูงในปรุงไ	ولركوم يعول والمعالية	Providential Second Second Second Second Second	or the set by one inc	773	Start Freq 5.000000 MHz
-15.0									DL1 -13.00 dBm		Stop Freq
-25.0					1 p					781	.000000 MHz
-35.0				and the second s						Auto	CF Step 800.000 kHz Man
-55.0	لې چې مېل کې کې د مېل کې	واجله وروم المحافز									Freq Offset 0 Hz
-65.0											Scale Type
Center 77	7.000 MHz							Span 8	000 10112	Log	Lin
#Res BW	100 kHz		#VBW	300 kHz			Sweep	13.33 ms (	1001 pts)		
MSG							STAT	US			

Plot 7-181. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-182. Lower Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	pectrum Anal												
U RL	RF	50 Ω	AC	CORREC	Wide ++		NSE:INT	#Avg Ty	pe: RMS	TR/	PM May 07, 2019 ACE 1 2 3 4 5 6 YPE A WWWW	F	requency
				IFGair		Atten: 3							Auto Tun
0 dB/div	Ref 2	5.00 di	Bm						М	kr1 787. -29.3	000 MHz 345 dBm		Auto Tun
													Center Fre
15.0												78	7.000000 MH
5.00													
													Start Fre
5.00												78	3.000000 MI
5.0											DL1 -13.00 dBm		
15.0						L,						70	Stop Fre 1.000000 MI
25.0						- North Ann	1					19	1.000000 141
35.0							and and a second	-	mum	M			CF Ste
0.0										and the state of t	a good and and	<u>Auto</u>	800.000 k M
15.0													
5.0													Freq Offs
													0
i5.0													Scale Ty
	87.000 I										8.000 MHz		L
Res BW	100 kH	Z			#VEW	/ 300 kHz			sweep	13.33 ms	(1001 pts)		

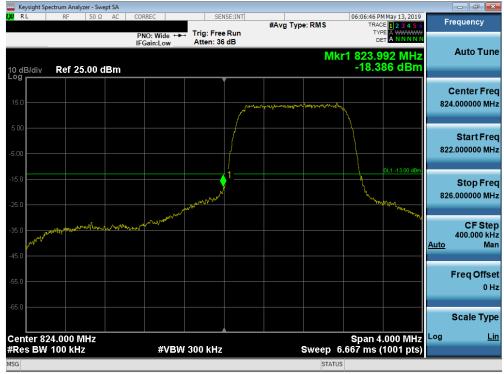
Plot 7-183. Upper Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-184. Upper Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager	
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Plot 7-185. Lower Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)



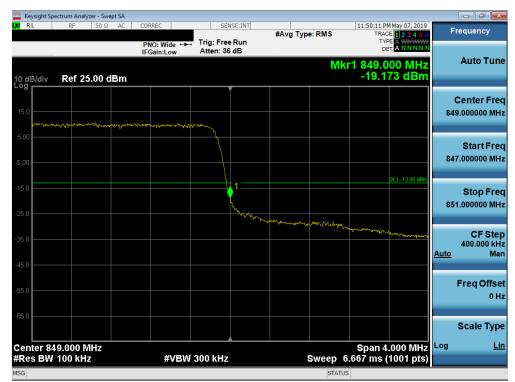
Plot 7-186. Upper Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager	
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Keysight Spectrum Analyzer - Swept SA					
XIRL RF 50Ω AC			ype: RMS TR	PM May 07, 2019 ACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dBm	PNO: Wide +++ Trig: Fro IFGain:Low Atten: 3		Mkr1 824.	OOO MHz 544 dBm	Auto Tune
15.0		and and a second se	nun merter hiller an an farmerter besennen	and the second	Center Fred 824.000000 MHz
-5.00				DL1 -13.00 dBm	Start Free 822.000000 MH;
-15.0	mangel loss by the set of the set				Stop Free 826.000000 MH
-35.0					CFStej 400.000 kH Auto Ma
-55.0					Freq Offse 0 H
-65.0 Center 824.000 MHz			Span	4.000 MHz	Scale Type
#Res BW 100 kHz	#VBW 300 kH	z	Sweep 6.667 ms	(1001 pts)	
4SG			STATUS		

Plot 7-187. Lower Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)



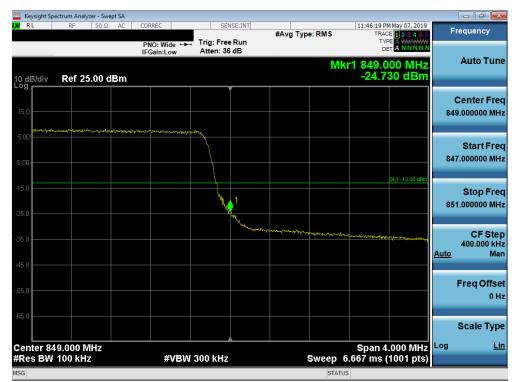
Plot 7-188. Upper Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	pectrum Analy													
RL	RF	50 Ω	AC	CORREC			ISE:INT	#Avg	Type:	RMS	т	1 PM May 07, 2019 RACE 1 2 3 4 5 6 TYPE A WWWW	F	requency
	_			PNO: W	′ide ↔ ₋ow	Trig: Free Atten: 36								
										M	kr1 824	.000 MHz		Auto Tur
) dB/div >g	Ref 25	.00 dE	3m								-21.	622 dBm		
														Center Fr
5.0													82	4.000000 M
							المهر	www.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	urth.rwise/V1/	mangenere	mproperty		
.00							1							Start Fr
.00													82	2.000000 N
												DL1 -13.00 dBm		
5.0							1							Stop Fr
						ہے۔ میں	Ar'						82	6.000000 N
5.0	mound	www	and the stand of the	<sub>ሶክግ</sub> ሁ <sub>ግ</sub> կትኘት	4 June	And the state of the								
5.0														CF St
													Auto	400.000 I N
5.0														
														Freq Off
5.0														. 0
5.0														
														Scale Ty
enter &	24.000 N	Hz									Snan	4.000 MHz	Log	
	100 kHz			;	#VBW	300 kHz			S	weep	6.667 m	s (1001 pts)		
G										STAT	US			

Plot 7-189. Lower Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)



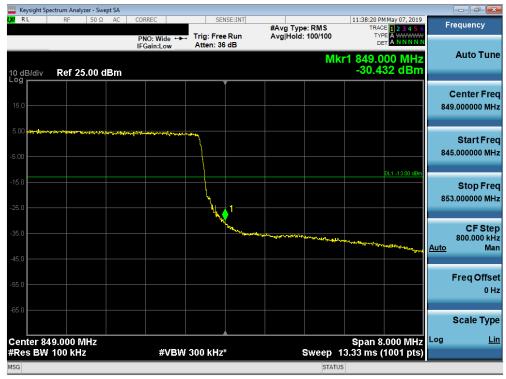
Plot 7-190. Upper Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyzer - S										
LXI RL	RF 50	Ω AC	CORREC	SEN	NSE:INT	#Avg Typ	e: RMS		May 07, 2019	F	requency
			PNO: Wide +++- IFGain:Low	Trig: Free Atten: 36		• /		TYF			
			IFGain:Low	Atten: 30	ub .		MI	kr1 823.9	02 MU7		Auto Tune
10 dB/div	Ref 25.00	dBm						-28.	19 dBm		
					í						
45.0											Center Freq
15.0										824	4.000000 MHz
5.00							card and an interview		and the superior of the state		
					( 1 m						Start Freq
-5.00										820	0.000000 MHz
									DL1 -13.00 dBm		
-15.0											Stop Freq
					1.1					828	B.000000 MHz
-25.0					and the second second						
.35.0 <b>بىلىپىرل</b> ىمىل	and a stand of the	ware harden		Charles and a provide starting of the second							CF Step
										Auto	800.000 kHz Man
-45.0										<u>riato</u>	
											Freq Offset
-55.0											0 Hz
-65.0											Scale Type
	4.000 MHz			000 1.11				Span 8	.000 MHz	Log	Lin
#Res BW	100 KHZ		#VBW	300 kHz				13.33 ms (	1001 pts)		
MSG							STATU	JS			

Plot 7-191. Lower Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-192. Upper Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyz											_	
XI RL	RF	50 Ω	AC	CORREC			NSE:INT	#Avg Typ	e: RMS	TRAC	M May 07, 2019 DE 123456	Fr	equency
				PNO: W IFGain:L	ide ↔→ .ow	Trig: Free Atten: 36				TY			
									Mk	r1 823.3	04 MHz		Auto Tune
10 dB/div Log	Ref 25	.00 dl	Bm							-28.	65 dBm		
							Í					c	enter Fred
15.0													.000000 MH
5.00							$\int$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		and the second second	ware ware ware ware ware ware ware ware		Start Free
-5.00												818	.000000 MH
											DL1 -13.00 dBm		
-15.0													Stop Free
-25.0						<u>م</u> 1	5					830	.000000 MH2
-25.0						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	And the second s						
-35.0	sum	~~~~	~~~~	~~~~~								1	CF Stej 200000 MH
												Auto	Mai
-45.0													
-55.0												F	req Offse
													0 H:
-65.0													
													Scale Type
Center 82										Span 1	2.00 191112	Log	<u>Lir</u>
#Res BW	150 kHz	4		7	#VBW	470 kHz					(1001 pts)		
ISG									STATUS	5			

Plot 7-193. Lower Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-194. Upper Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

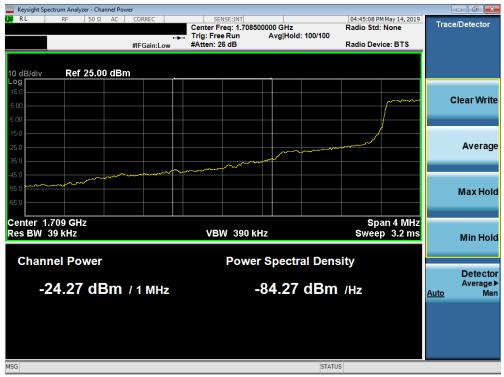
FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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## Band 66/4

Keysight Spectrum Analyze	50 Ω AC	CORREC	SENSE:INT		04:44:51 PM May 14,	2010
KL KF	SU SZ AC			#Avg Type: RN		456 Frequency
		PNO: Wide ++ IFGain:Low	Atten: 36 dB		DET A NN	NNN
				Ν	/kr1 1.709 984 G	Hz Auto Tun
0 dB/div Ref 25.	00 dBm				-24.207 dl	Bm
			Ĭ			Center Fre
15.0						1.71000000 G
5.00			<u> </u>	and the second s	www	Start Fre
5.00						1.708000000 G
-3.00						
15.0					DL1 -13.0	Stop Fr
			<u>1</u>			1.712000000 G
25.0			-~~		- hand	
		Mayna	North C		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Ste
35.0		, -				400.000 k
45.0	June -					Auto M
as of the second se						
55.0						Freq Offs
65.0						Coole Tr
						Scale Ty
Center 1.710000 G	iHz				Span 4.000 N	/IHz <sup>Log L</sup>
Res BW 16 kHz		#VBW	56 kHz	Swe	ep 6.667 ms (1001	pts)
SG					STATUS	

Plot 7-195. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)



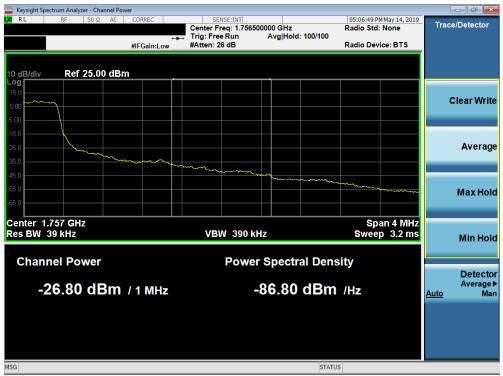
Plot 7-196. Lower Extended Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager					
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	ectrum Analyz												
X/RL	RF	50 Ω	AC	CORREC			NSE:INT	#Avg Typ	e: RMS		M May 14, 2019	F	requency
				PNO: IFGair	Wide ↔	Trig: Fre Atten: 3				TYI Di			
				II Ouli					Mkr	1 1.755 0	04 GHz		Auto Tune
10 dB/div	Ref 25	.00 d	IBm							-27.7	51 dBm		
.og							Ĭ						Center Free
15.0													5000000 GH
5.00		Î	marar	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2 mgm	$\sim$							Start Free
5.00												1.7	3000000 GH
5.00													
15.0											DL1 -13.00 dBm		Stop Free
							1					1.7	57000000 GH
25.0		$( \ $					<u>,</u>						
35.0 4	متحسمهم						mary						CF Step
35.U							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Monno	m			Auto	400.000 kH Mai
45.0									the barrow		www.	Auto	IVIEI
											" "		Freq Offse
55.0													0 Ha
~~ 0													
55.0													Scale Type
	755000									0		Log	Lir
enter 1. Res BW		SHZ			#VBW	56 kHz			Sween	Span 4 6.667 ms (	.000 MHz (1001 pts)	-	<u></u>
SG	N. NITZ								STATU		ree i ptoj		

Plot 7-197. Upper Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)



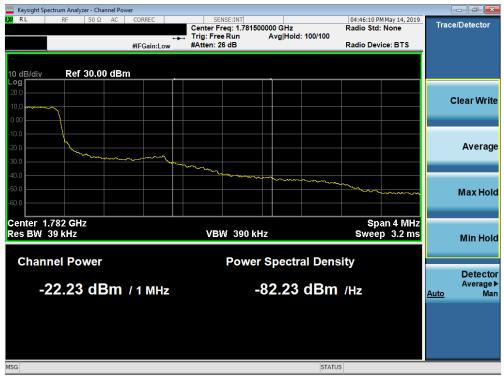
Plot 7-198. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analyz	er - Swe	pt SA										
X/RL	RF	50 Ω	AC	CORREC		S	ENSE:INT	#Avg Typ	e: RMS		PM May 14, 2019 CE 1 2 3 4 5 6	F	requency
				PNO: V IFGain:	Vide ↔ Low	Trig: Fre Atten: 3		0,1		T) E			A
10 dB/div Log	Ref 25	.00 d	Bm						Mkr	1 1.780 -26.5	008 GHz 514 dBm		Auto Tune
													Center Free
15.0												1.78	30000000 GH
5.00		ſ	v~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Mar Mary	<u>~~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m							Start Free
5.00												1.77	78000000 GH
15.0											DL1 -13.00 dBm		
		ſ					1					1.78	Stop Free 32000000 GH
25.0	www						www.	Lange and the second	m				CF Ster
35.0									- han	mony		<u>Auto</u>	400.000 kH Ma
45.0											mont		
-55.0													Freq Offse
33.8													0 H
-65.0													
													Scale Type
Center 1.7	780000	GHz					·			Span 4	4.000 MHz	Log	Lir
¢Res BW	16 kHz				#VBW	56 kHz			Sweep	6.667 ms	(1001 pts)		
SG									STAT	rus			

Plot 7-199. Upper Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)



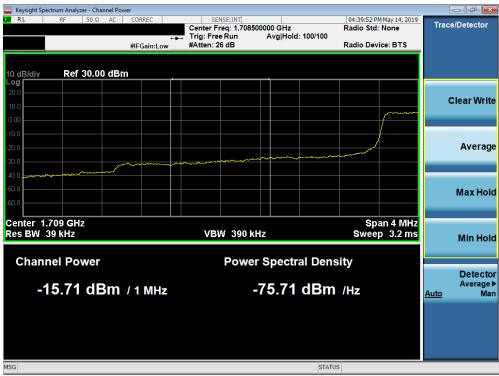
Plot 7-200. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N: Test Dates:		EUT Type:		Dage 102 of 220	
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Keysight Spectrum Analyzer - Swept SA					
<b>α RL</b> RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: RMS	04:39:36 PM May 14, 2019 TRACE 1 2 3 4 5 6	Frequency
0 dB/div Ref 25.00 dBm		Trig: Free Run Atten: 36 dB	Mkr	1 1.709 976 GHz -22.041 dBm	Auto Tune
15.0					Center Fred 1.710000000 GH
5.00			hter and the second of the sec	בייניים ביי פון איז	Start Free 1.708000000 GH
25.0	~~	1 I			Stop Free 1.712000000 GH
35.0					CF Ste 400.000 kH <u>Auto</u> Ma
55.0					Freq Offse 0 H
65.0 Center 1.710000 GHz				Span 4.000 MHz	Scale Type
Res BW 36 kHz	#VBW 1	30 kHz	Sweep	6.667 ms (1001 pts)	
ISG			STATU		

Plot 7-201. Lower Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

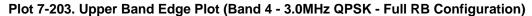


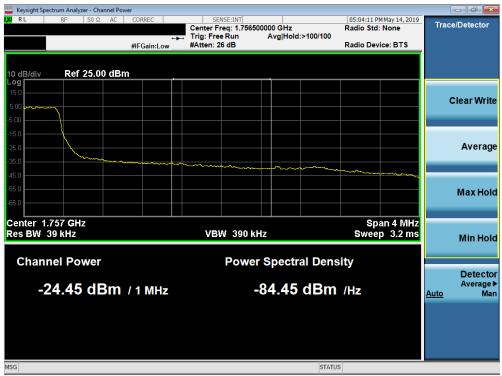
Plot 7-202. Lower Extended Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 124 of 220	
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Keysight Spectrum Analyzer - Swept SA							_	- 6 ×
XIRL RF 50Ω AC	CORREC	SENSE:	#Avg Ty	pe: RMS	TRAC	May 14, 2019 E 1 2 3 4 5 6	Fi	equency
	PNO: Wide ↔ IFGain:Low	Trig: Free Ru Atten: 36 dB			DE			
10 dB/div Ref 25.00 dBm				Mkr1	1.755 0 -27.3	08 GHz 59 dBm		Auto Tune
15.0								Center Freq 5000000 GHz
5.00 Hitson Andrew	way with you wait	marin					1.75	Start Free 3000000 GHz
-15.0		1				DL1 -13.00 dBm	1.75	Stop Free 7000000 GH2
-25.0			Martha and	www.wa	www.ww	harrowsport	<u>Auto</u>	CF Step 400.000 kH: Mar
-45.0								Freq Offse 0 Hi
-65.0								Scale Type
Center 1.755000 GHz #Res BW 36 kHz	#VBW	130 kHz		Sweep 6		.000 10112	Log	Lin
ISG				STATUS		roo r pts)		





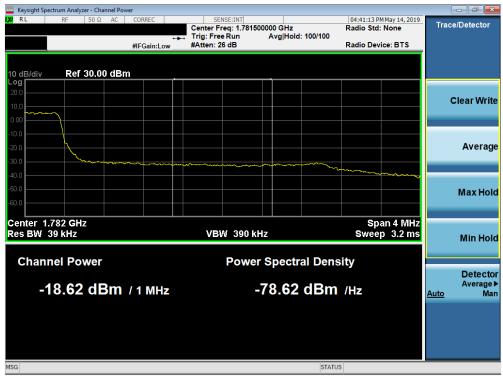
Plot 7-204. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 125 of 220	
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🔤 Keysight Spectrum											
LXURL R	F 50 Ω	AC	CORREC	SEI	ISE:INT	#Avg Typ	e: RMS		M May 14, 2019	F	requency
			PNO: Wide ++- IFGain:Low	Trig: Free Atten: 36		"····8··)P		TY			
10 dB/div Re	ef 25.00 d	Bm					Mkr	1 1.780 0 -25.3	04 GHz 60 dBm		Auto Tune
15.0											Center Freq 80000000 GHz
-5.00	ᡊᡅ᠆ᠬᢣᡢᡎᡘᡚ	********	n yer an							1.77	Start Freq 8000000 GHz
-15.0					1				DL1 -13.00 dBm	1.78	Stop Freq 2000000 GHz
-35.0					weinty of the	Mr Jakow and and a start of the second	when	an ground and the	<u>ᢤ᠆ᢤᢣ᠆ᢏ</u> ᠆ᡣ᠕ᡊᢧ᠕ᢦ᠔ᡟ	<u>Auto</u>	CF Step 400.000 kHz Man
-45.0											Freq Offset 0 Hz
-65.0											Scale Type
Center 1.7800 #Res BW 36			#\/D\/	130 kHz			Swoon (	Span 4 6.667 ms (	.000 MHz	Log	Lin
	112		#VDVV	130 KHZ					(Toor pis)		
1SG							STATU	IS			

Plot 7-205. Upper Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-206. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 126 of 220	
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Keysight Spectrum Analyzer - Swept	t SA				
XIRL RF 50 Ω	AC CORREC	SENSE:INT	#Avg Type: RMS	04:33:20 PM May 14, 2019 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide ↔ IFGain:Low	Trig: Free Run Atten: 36 dB		TYPE A WWWW DET A N N N N N 1 1.709 992 GHz	Auto Tune
10 dB/div Ref 25.00 dE	3m			-22.188 dBm	
15.0					Center Freq 1.710000000 GHz
-5.00			an a	haded annotic hip to apply the Bod at the Constant	Start Freq 1.708000000 GHz
-15.0		1 North		DL1 -13.00 dBm	Stop Fred 1.712000000 GH2
25.0 June 200 June 20	and a second	g proprio para de la construcción d			CF Step 400.000 kH <u>Auto</u> Mar
-55.0					Freq Offse 0 Ha
-65.0					Scale Type
Center 1.710000 GHz	-#\/E\\A/	220 64-	Sures	Span 4.000 MHz	Log <u>Lin</u>
#Res BW 62 kHz	#VBW	220 kHz		6.667 ms (1001 pts)	
ISG			STAT	rus	

Plot 7-207. Lower Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)



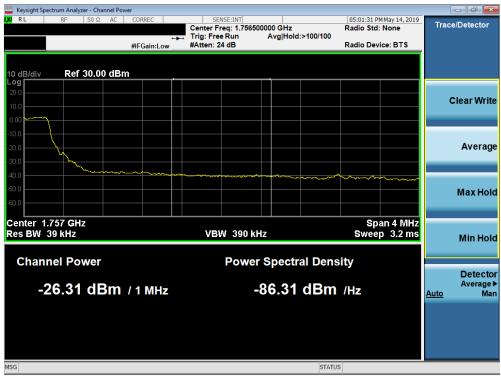
Plot 7-208. Lower Extended Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager				
Test Report S/N:	Test Dates:	EUT Type:		Dogo 107 of 000				
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	ctrum Analyze												
IX/RL	RF	50Ω A	IC CC	ORREC		SE	NSE:INT	#Avg Typ	e: RMS	TRA	M May 14, 2019	F	requency
				NO: Wi Gain:L	de ⊶⊶ ow	Trig: Fre Atten: 3				TY D			
10 dB/div Log	Ref 25.0	00 dBr	n						Mkr	1 1.755 ( -28.8	008 GHz 14 dBm		Auto Tune
							Ĭ						Center Freq
15.0												1.78	5000000 GHz
5.00 <mark>თოფელ</mark>	hand working the	mhailth	poptinita	Varanta	᠂᠈᠕᠋᠉᠃	vh							Start Freq
-5.00												1.78	3000000 GHz
-15.0											DL1 -13.00 dBm		Stop Freq
-25.0						W	1					1.78	7000000 GHz
						ار	M. Cra						CF Step
-35.0								Karalan Malana Ing	Law With	Wy Mary Mark	an a	<u>Auto</u>	400.000 kHz Mar
													Freq Offset
-55.0													0 Hz
-65.0													Scale Type
Center 1.7	55000 G	Hz								Span 4	.000 MHz	Log	Lin
#Res BW				#	VBW	220 kHz			Sweep	6.667 ms	(1001 pts)		
4SG									STAT	JS			

Plot 7-209. Upper Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)



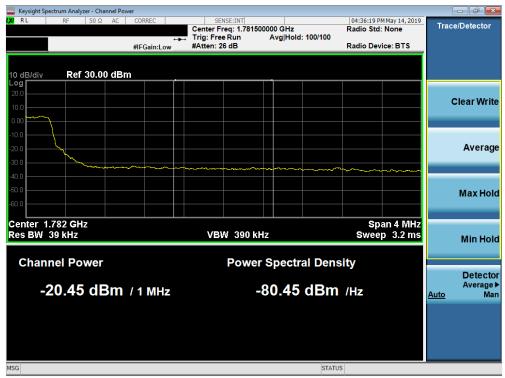
Plot 7-210. Upper Extended Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	port S/N: Test Dates: EUT Type:				
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🔤 Keysight Spe			SA										
X/RL	RF	50 Ω	AC	CORREC		SE	NSE:INT	#Avg Typ	e: RMS		MMay 14, 2019	F	requency
				PNO: W IFGain:L	ide ↔ .ow	Trig: Fre Atten: 3		0 ,1		TYI Di			Auto Tuno
10 dB/div Log	Ref 25	5.00 dB	m						Mkr	1.780 0 -25.6	04 GHz 44 dBm		Auto Tune
													Center Freq
15.0												1.78	30000000 GHz
5.00 00000	- Constantin		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	road-ore		m							Start Fred
-5.00												1.77	78000000 GHz
-15.0											DL1 -13.00 dBm		Stop Fred
						N In A	1					1.78	32000000 GH2
-25.0							La sam and and the	manne	-	An address of busicess	the set of shares		05.04
35.0												<b>66</b> .	CF Step 400.000 kH
45.0												<u>Auto</u>	Mar
-55.0													Freq Offse
													0 H:
-65.0													Scale Type
Center 1.7	780000	GH7								Snap 4	.000 MHz	Log	Lir
#Res BW		GIIZ		#	≠vвw	220 kHz			Sweep	6.667 ms (	1001 pts)		
ISG									STATU	S			

Plot 7-211. Upper Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-212. Upper Extended Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 120 of 220		
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	ectrum Analyzer - Sv										
LXI RL	RF 50 \$	Ω AC	CORREC	SENS	:INT	#Avg Typ	e: RMS		MMay 14, 2019	F	requency
10 dB/div	Ref 25.00	dBm	PNO: Wide ↔ IFGain:Low	Trig: Free F Atten: 36 d		•	Mkr	TYF DE 1 1.709 9			Auto Tune
15.0											Center Freq 0000000 GHz
-5.00					- And	~_~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		dyn y frywddiaeglanwand on	, eta de la composition de la	1.70	Start Freq 6000000 GHz
-15.0			and the second sec	1	J				DL1 -13.00 dBm	1.71	Stop Freq 4000000 GHz
-35.0										<u>Auto</u>	CF Step 800.000 kHz Mar
-55.0											Freq Offset 0 Hz
-65.0	710000 GHz							Span 8	.000 MHz	Log	Scale Type <u>Lir</u>
#Res BW			#VBW	430 kHz			Sweep	13.33 ms (	1001 pts)		
MSG							STAT				

Plot 7-213. Lower Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-214. Lower Extended Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 120 of 220	
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PNO: Wide       Trig: Free Run It Gain.Low       Trig: Free Run Atten: 36 dB       Mkr1 1.755 016 GHz -30.751 dBm       Auto Tun         0 dB/div       Ref 25.00 dBm       -30.751 dBm       -30.751 dBm       -30.751 dBm       -30.751 dBm         500	Keysight Spectrum Analyzer - Swept SA						
PNC: Wide	XIRL RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: RN			Frequency
000       Center Freq         150       Center Freq         500       Center Freq		FIND, WILLE FILL			DE Vikr1 1.755 0	16 GHz	Auto Tune
150       Center Freq 1.75500000 GH         500       0.1 -1300 dH         500       0.1	10 dB/div Ref 25.00 dBm				-30.7	51 dBm	
Start Free Start	15.0						Center Fred 1.755000000 GHz
150       0.1.1.3.00 dBH         250       0.1.1.3.00 dBH         350       0.1.1.3.00 dBH         450       0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		money in a second					Start Free 1.751000000 GH;
25 0 26 0 27 0						DL1 -13.00 dBm	
350       CF Step         450       Mato         550       Freq Offse         650       State         60       State         60       State         60       State         70       State         70       State         70			h. 1				Stop Fred 1.759000000 GH:
45.0 55.0			And the second second				
So I I I I I I I I I I I I I I I I I I I	45.0		- Allenson	anna ann ann ann ann ann ann ann ann an	have block and a strain the strain the strain of the strain strain strain strain strain strain strain strain st	and the second second second	
EFE DECEMBENT OF CONTRACT OF C	55.0						•
Center 1.755000 GHz Span 8.000 MHz Res BW 120 kHz #VBW 430 kHz Sweep 13.33 ms (1001 pts)	-65.0						0 H
Res BW 120 kHz         #VBW 430 kHz         Sweep 13.33 ms (1001 pts)							
		#\/R\\/_430	kH7	Swo	Span 8.	000 19112	
	ISG	#VDVV 450	M112	3000		ioo r pis)	

Plot 7-215. Upper Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)



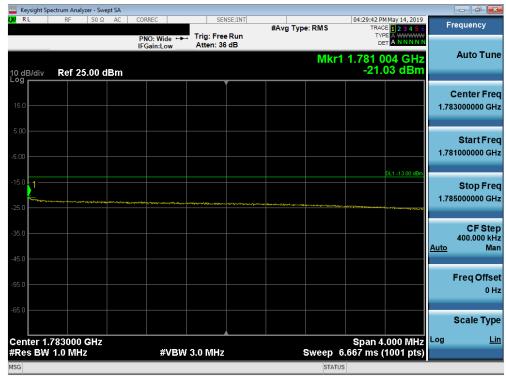
Plot 7-216. Upper Extended Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 121 of 220
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Keysight Spectrum Analyzer - Swept SA					
XIRL RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: RMS	04:29:23 PM May 14, 2019 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dBm		Free Run n: 36 dB	Mk	r1 1.780 064 GHz -27.834 dBm	Auto Tune
15.0					Center Fred 1.780000000 GHz
5.00					Start Fred 1.776000000 GH;
-15.0		Yunn 1		DL1 -13.00 dBm	Stop Free 1.784000000 GH:
-35.0		and a second sec	مىرىدىدىيەر بىلىكى ئەرىيەر بىلىكى بىلىكى بىلىكى بىلىكى	Hitserfersstanderer Athenese generality opening and generality of	CF Stej 800.000 kH <u>Auto</u> Ma
.55.0					Freq Offse 0 H
-65.0					Scale Type
Center 1.780000 GHz #Res BW 120 kHz	#VBW 430 k	Hz	Sweep	Span 8.000 MHz 13.33 ms (1001 pts)	
ASG				TUS	

Plot 7-217. Upper Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-218. Upper Extended Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analy												
RL	RF	50 Ω	AC	CORREC	Vide ↔		Run	#Avg Typ	e: RMS	TRA TY	PM May 14, 2019 CE 1 2 3 4 5 6 PE A WWWW	F	requency
0 dB/div	Ref 2	5.00 dl	Зm	IFGain		Atten: 36	dB		Mkr	1 1.709	976 GHz 96 dBm		Auto Tur
15.0													Center Fro 0000000 G
.00										ف_62ش_ب مقامم	~~ <u>~</u> ^~~~~	1.70	Start Fr 4000000 G
5.0						لير	1				DL1 -13.00 dBm	1.71	Stop Fr 6000000 G
5.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		y and the second		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						<u>Auto</u>	CF St 1.200000 M N
5.0													Freq Offs 0
5.0													Scale Ty
	710000				#\/D\M	620 kHz			Swoon		2.00 10112	Log	<u> </u>
Res BW	180 kH	2			#VBW	020 KHZ			Sweep	1.000 ms	(1001 pts)		

Plot 7-219. Lower Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-220. Lower Extended Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Keysight Spectrum Analyzer - Swept SA									
X/RL RF 50Ω AC	CORREC	SENSE	#/	Avg Type:	RMS	TRAC	May 14, 2019	F	requency
10 dB/div Ref 25.00 dBm	PNO: Wide ↔ IFGain:Low	Trig: Free R Atten: 36 d			Mkr1	1.755 0	36 GHz 02 dBm		Auto Tune
									Center Frec 5000000 GH2
5.00	man							1.74	Start Free 9000000 GH
-15.0							DL1 -13.00 dBm	1.76	Stop Free 1000000 GH
35.0			how how	m	Ann	www.may	- m	<u>Auto</u>	CF Ste I.200000 MH Ma
56.0									Freq Offse 0 H
65.0 Center 1.755000 GHz						Span 1	2.00 MHz		Scale Typ Li
#Res BW 180 kHz	#VBW	620 kHz		s	weep 1	.000 m <u>s (</u>	2.00 MH2 1001 pts)		
MSG					STATUS				

Plot 7-221. Upper Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-222. Upper Extended Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	EUT Type:	
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Keysight Spectrum Analyzer - Swept SA						
XIRL RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: R	MS TRAC	M May 14, 2019 DE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dBm		Free Run n: 36 dB		D Mkr1 1.780 (	048 GHz 26 dBm	Auto Tune
15.0						Center Fred 1.780000000 GH2
5.00	man and a start and a start and a start					Start Fred 1.774000000 GH;
-15.0					DL1 -13.00 dBm	Stop Free 1.786000000 GH
-35.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		CF Stej 1.200000 MH <u>Auto</u> Ma
55.0						Freq Offse 0 H
-65.0				0.000		Scale Type
Center 1.780000 GHz #Res BW 180 kHz	#VBW 6201	kHz	Sw	span 1 eep 1.000 ms (	2.00 191112	
ISG				STATUS		

Plot 7-223. Upper Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)



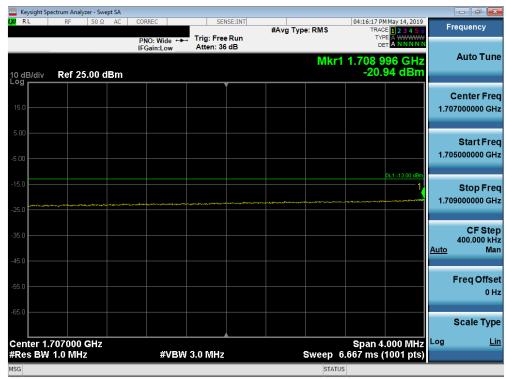
Plot 7-224. Upper Extended Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ctrum Analyzer - Sv										
XI RL	RF 50 S	AC AC	CORREC	SEN	ISE:INT	#Avg Typ	e: RMS		M May 14, 2019	F	requency
			PNO: Wide ↔ IFGain:Low	Trig: Free Atten: 36				ויד וס 1 1.709 8			Auto Tune
10 dB/div Log	Ref 25.00	dBm						-25.3	65 dBm		
15.0											Center Freq 0000000 GHz
5.00						ayor and a state of the state o			man and and a		
-5.00										1.70	Start Fred
-15.0									DL1 -13.00 dBm		
-25.0					1					1.71	Stop Free 8000000 GH:
- man	man and a second	von	www.www	and a start	₩.						CF Step
-35.0										<u>Auto</u>	1.600000 MH: Mai
											Freq Offse
-55.0											0 Ha
-65.0											Scale Type
Center 1.7	/ 10000 GHz							Span 1	6.00 MHz	Log	Lir
#Res BW	240 kHz		#VBW	820 kHz			Sweep	1.000 ms (	1001 pts)		
4SG							STAT	US			

Plot 7-225. Lower Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-226. Lower Extended Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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PNO: Wide       Trig: Free Run Atten: 36 dB       #Avg Type: RMS       Trace       Precuency         0 dB/div       Ref 25.00 dBm	🚾 Keysight Spectru										_	
PNO: Wide       Trig: Free Run Atten: 36 dB       Mkr1 1.755 032 GHz -34.022 dBm       Auto Tune         0 dB/div       Ref 25.00 dBm       Center Free       1.75500000 GHz       Start Free         0 dB/div       Ref 25.00 dBm       0	X/RL	RF 50 Ω	AC	CORREC	SEI	SE:INT	#Avg Tvp	e: RMS			Fr	equency
og       Center Free         150       Center Free         500       Free <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>TYF DE 1 1.755 0</th> <th></th> <th></th> <th>Auto Tune</th>									TYF DE 1 1.755 0			Auto Tune
Center Free Conter Free Conte	10 dB/div R	ef 25.00 d	Bm						-34.0	22 dBm		
Start Fred Start	15.0											
150       0	5.00 -5.00	and and a star of the star of	المرمسرام	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm						1.74	Start Free 7000000 GHz
Stop Free Stop Free 1.76300000 GHz CF Step 1.60000 MHz Auto Mar Freq Offse 0 Hz Scale Type Log Lir Res BW 240 kHz #VBW 820 kHz Sweep 1.000 ms (1001 pts)	-15.0									DL1 -13.00 dBm		
350     1     CF Step 1.600000 MHz       450     410     410       550     1     410       550     1     1       550     1       550     1    <	-25.0										1.76	•
45.0     4.00     4.00     4.00     4.00       55.0 <t< td=""><td>-35.0</td><td></td><td></td><td></td><td>by .</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	-35.0				by .	1						
S50 Senter 1.755000 GHz Res BW 240 kHz #VBW 820 kHz State Type Span 16.00 MHz Sweep 1.000 ms (1001 pts)	-45.0					- And and and	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	whyter	-two-managed	and water and the second second	-	
Scale Type    Scale Type    Center 1.755000 GHz    Res BW 240 kHz      #VBW 820 kHz      Sweep 1.000 ms (1001 pts)	-55.0											-
enter 1.755000 GHz Span 16.00 MHz Log Lin Res BW 240 kHz #VBW 820 kHz Sweep 1.000 ms (1001 pts)	-65.0											0 H
Res BW 240 kHz         #VBW 820 kHz         Sweep 1.000 ms (1001 pts)												
				#\/B)	V 820 kHz			Sween		0.00 10112	Log	Lin
	MSG			#701						iou i pis)		

Plot 7-227. Upper Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-228. Upper Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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Keysight Spectrum Analyzer - Swept SA									
🛛 RL RF 50Ω AC	CORREC		ISE:INT	#Avg Typ	e: RMS	TRA	M May 14, 2019 CE 1 2 3 4 5 6	F	requency
10 dB/div Ref 25.00 dBm	PNO: Wide ↔ IFGain:Low	Trig: Free Atten: 36			Mkr	□ 1 1.780 0	080 GHz		Auto Tune
0 dB/div Ref 25.00 dBm .og 15.0			7						Center Fre
5.00	and the second							1.77	Start Fre 2000000 GH
25.0			<u>1</u>				DL1 -13.00 dBm	1.78	Stop Fre 8000000 G⊦
45.0				when the second second	www.w	Mar and	mm ha	<u>Auto</u>	CF Ste 1.600000 Mi Ma
55.0									Freq Offs 0 I
55.0 Center 1.780000 GHz						Span	6.00 MHz		Scale Typ
Res BW 240 kHz	#VBW	820 kHz			Sweep	1.000 ms	(1001 pts)		
SG					STAT				

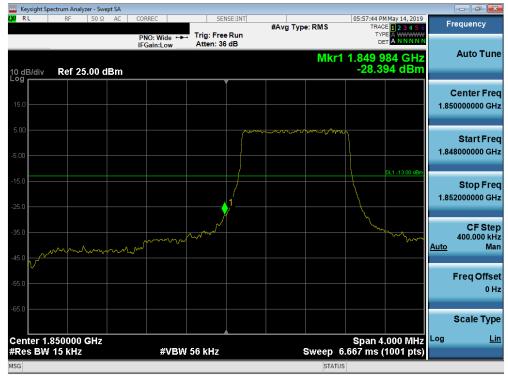
Plot 7-229. Upper Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)



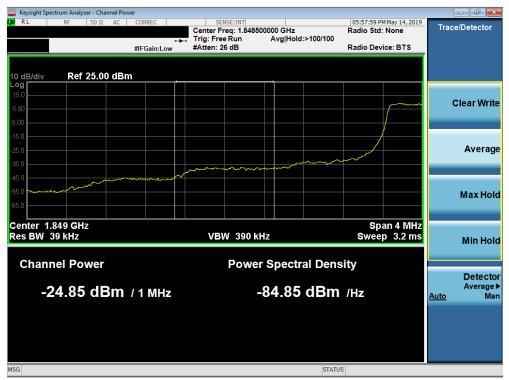
Plot 7-230. Upper Extended Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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Plot 7-231. Lower Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)



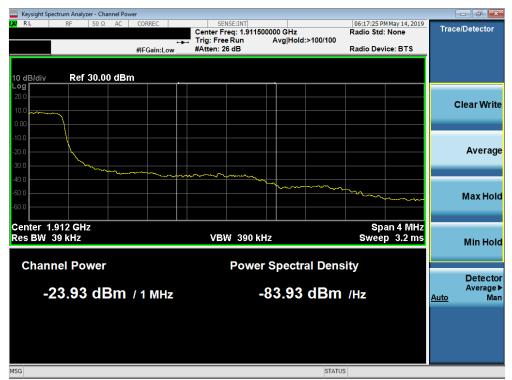
Plot 7-232. Lower Extended Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 120 of 220
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Keysight Spectrum Analyzer - Swept SA					
CRL RF 50Ω AC		rig: Free Run	#Avg Type: RMS	06:17:13 PM May 14, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
		Atten: 36 dB	Mkr1	DET A NNNNN 1.910 008 GHz	Auto Tune
0 dB/div Ref 25.00 dBm				-30.065 dBm	
		Ĭ			Center Fred
15.0					1.910000000 GH
5.00	war and the second	<u>ل</u> مم			Start Free
5.00					1.908000000 GH2
15.0				DL1 -13.00 dBm	Stop Fred
25.0		1			1.912000000 GH
a da					CF Step
35.0		M ~ m	mm	many	400.000 kH Auto Mar
45.0				- M	
55.0					Freq Offse 0 Hi
65.0					
					Scale Type
Center 1.910000 GHz Res BW 16 kHz	#VBW 56	kHz	Sweep 6	Span 4.000 MHz 5.667 ms (1001 pts)	Log <u>Lir</u>
SG			STATU		

Plot 7-233. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)



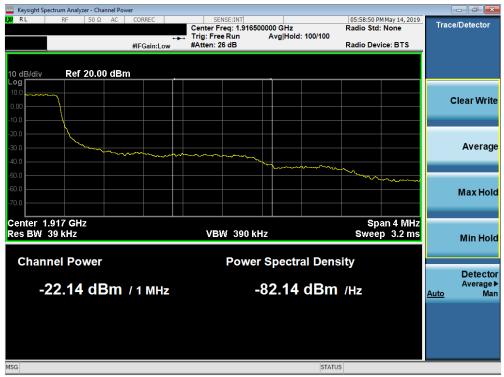
## Plot 7-234. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyze												
K/RL	RF	50 Ω	AC	CORREC			ENSE:INT	#Avg Ty	/pe: RMS		7 PM May 14, 2019 RACE 1 2 3 4 5 6	F	requency
				PNO: IFGain	Wide ↔ :Low	Trig: Fro Atten: 3							
									Mki	r1 1.915	5 008 GHz		Auto Tune
10 dB/div	Ref 25.	00 di	Bm							-29	.269 dBm		
Ĩ							Ĭ						Center Fred
15.0												1.9	15000000 GH
5.00													
3.00		ſ	V www	von	$\sim$	n l							Start Free
-5.00												1.9	13000000 GH
											DL1 -13.00 dBm		
15.0													Stop Free
-25.0							1					1.9	17000000 GH
	کر ہے						K.						05.044
35.0	m						- www.	h.v.m					CF Step 400.000 kH
.45.0									hun	en represe	ma many many many many many many many ma	<u>Auto</u>	Mar
-45.0											W		
55.0													Freq Offse
													U HA
65.0													Scale Type
Center 1. #Res BW	915000 G	SHz			#VRM	/ 56 kHz			Sween	Spar 6 667 m	1 4.000 MHz s (1001 pts)	Log	Lir
SG	15 KH2					JU KIIZ			STA		s (noor pis)		

Plot 7-235. Upper Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)



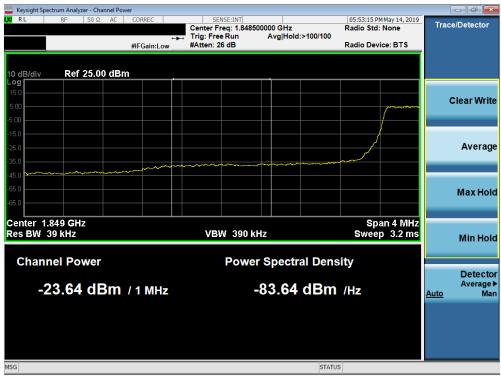
Plot 7-236. Upper Extended Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	G	Approved by: Quality Manager		
Test Report S/N:	st Report S/N: Test Dates: EUT Type:					
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Keysight Spectrum An										
XIRL RF	50 Ω AC	CORREC		ISE:INT	#Avg Typ	e: RMS	TRACE	May 14, 2019 1 2 3 4 5 6	Fr	equency
10 dB/div <b>Ref</b> :	25.00 dBm	PNO: Wide ↔ IFGain:Low	. Trig: Free Atten: 36			Mkr1	DE 1.849 9	92 GHz 86 dBm		Auto Tune
15.0										Center Freq 0000000 GHz
-5.00					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	honverrer	anna tha bhaile	עריייעלעייעע DL1 -13.00 dBm	1.84	Start Freq 8000000 GHz
-15.0				1				DET -13.00 abm	1.85	Stop Freq 2000000 GHz
-35.0	a water and the second s	Munnymm	who were and						Auto	CF Step 400.000 kHz Mar
55.0										Freq Offse 0 Hz
-65.0 Center 1.85000							Span 4.		Log	Scale Type <u>Lir</u>
#Res BW 36 kH	Z	#VBW	130 kHz			Sweep 6	.667 ms (′	1001 pts)		
MSG						STATUS	5			

Plot 7-237. Lower Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)



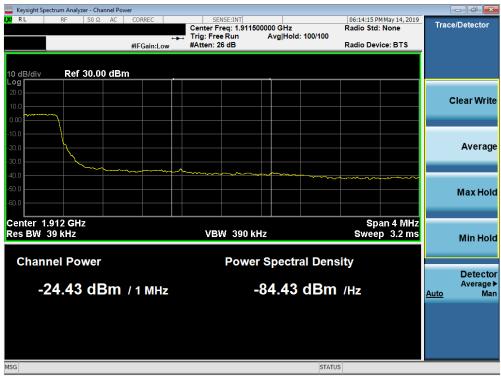
Plot 7-238. Lower Extended Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager						
Test Report S/N:	Test Dates:	EUT Type:		Dogo 142 of 220						
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🔤 Keysight Spectrum Analyzer - Swept	t SA				
<b>LXI RL RF 50 Ω</b>	AC CORREC	SENSE:INT	#Avg Type: RMS	06:13:43 PM May 14, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
	PNO: Wide ↔ IFGain:Low	Trig: Free Run Atten: 36 dB		DETANNNN	
10 dB/div Ref 25.00 dE	3m		Mkr	1 1.910 012 GHz -27.699 dBm	Auto Tune
					Center Freq
15.0					1.910000000 GHz
5.00 mary war	man mana	mm			Start Freq
-5.00					1.908000000 GHz
				DL1 -13.00 dBm	
-15.0					Stop Freq 1.912000000 GHz
-25.0		<u>\</u>			
-35.0			man man		CF Step 400.000 kHz
-45.0				Mar Mar Marine	<u>Auto</u> Man
					Freq Offset
-55.0					0 Hz
-65.0					Seele Trine
					Scale Type
Center 1.910000 GHz #Res BW 36 kHz	#VBW	130 kHz	Sweep	Span 4.000 MHz 6.667 ms (1001 pts)	Log <u>Lin</u>
MSG			STAT		





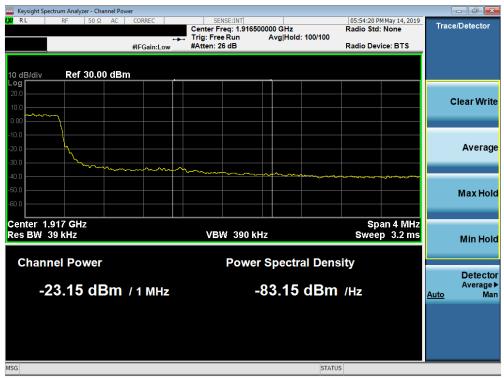
Plot 7-240. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager		
Test Report S/N:	S/N: Test Dates: EUT Type:					
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Open of Bldiv       Ref 25.00 dBm       Center Free         00       -27.413 dBm         01       -27.413 dBm         02       -27.413 dBm         03       -27.413 dBm         04       -27.413 dBm         191500000 GH       -27.413 dBm         191700000 GH       -27.413 dBm         191700000 GH       -27.413 dBm         191700000 GH2       -27.413 dBm         19170000 GH2		ectrum Analy												
Atten: 36 dB Mkr1 1.915 020 GHz -27.413 dBm Center Free 1.9150000 GHz Res BW 36 KHz #VBW 130 KHz Mkr1 1.915 020 GHz Center Free 1.9150000 GHz Sweep 6.667 ms (1001 pts) Center Junch Auto Tun Auto Tun Auto Tun Center Free 1.9150000 GHz Syneep 6.667 ms (1001 pts) Center Tunknuk Auto Tun Center Free 1.9150000 GHz Syneep 6.667 ms (1001 pts)	XU RL	RF	50 Ω	AC (	CORREC				#Avg Typ	e: RMS	TRAC	E 1 2 3 4 5 6	F	requency
Mkr1 1.915 020 GHz 20 Kef 25.00 dBm Center Free 1.91500000 GH Center J.9150000 GHz Res BW 36 kHz #VBW 130 kHz Mkr1 1.915 020 GHZ Center Free 1.9150000 GHz Sweep 6.667 ms (1001 pts) Mkr1 1.915 020 GHZ Center Free 1.91500000 GHZ Sweep 6.667 ms (1001 pts) Auto Tun Center Free 1.91500000 GHZ Sweep 6.667 ms (1001 pts) Auto Tun Center Free 1.91500000 GHZ Sweep 6.667 ms (1001 pts)											TY			
De delidiv       Ref 25.00 dBm       -27.413 dBm         Center Free       1.91500000 GH         Start Free       1.917000000 GH         Start Free       1.91700000 GH         Start Free       1.91700000 GH         Res BW 36 KHz       #VBW 130 KHz       Sweep 6.667 ms (1001 pts)					in Guinie					Mkr	1 1.915 (	20 GHz		Auto Tune
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	10 dB/div	Ref 2	5.00 dB	3m							-27.4	13 dBm		
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	- <sup>og</sup>							ľ						Contor Fro
100 100 100 100 100 100 100 100	15.0													
Start Free Start Free Start Free Start Free 1.91300000 GH Start Free 1.91300000 GH CF Ster 400.000 KH Auto Ma Freq Offse 0 H Scale Type Log Li Start Free 1.91300000 GH CF Ster 400.000 KH Scale Type Log Li Start Free 1.91300000 GH CF Ster 400.000 KH Scale Type Log Li Start Free 1.91700000 GH Scale Type Log Li Start Free 1.91700000 GH Start Free 1.91700000 GH Scale Type Log Li Start Free 1.91700000 GH Start Free Start Free 1.91700000 GH Start Free 1.91700000 GH Start Free 1.91700000 GH Start Free 1.9170000 GH Start Free 1.917000 GH Star														
1.91300000 GH 1.91300000 GH 1.91700000 GH 1.91700000 GH CCF Ste 400.000 kH Auto Ma Freq Offse 0 H Scale Typ Log Li Sweep 6.667 ms (1001 pts)	5.00	monton	v	ᠬᠬ᠊ᠼᢇᠰᡪ	nn	roughter	لمحص							Otort Ero
000       0L1 - 1300 dm         000       0L1 - 1300 dm         000       1         000													1.91	
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	-5.00													
50 50 50 50 50 50 50 50 50 50	15.0											DL1 -13.00 dBm		Oton Ero
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0								4					1 91	
Auto 400.000 kH Auto Ma Auto Ma Freq Offse 0 H Scale Typ enter 1.915000 GHz Res BW 36 kHz #VBW 130 kHz Sweep 6.667 ms (1001 pts)	25.0						ì	<b>♦</b> '						
Auto 400.000 kH Auto Ma Auto Ma Freq Offse 0 H Scale Typ enter 1.915000 GHz Res BW 36 kHz #VBW 130 kHz Sweep 6.667 ms (1001 pts)								Mar .						CF Ster
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	35.0								and the second sec	and and a served	m margar	m		400.000 kH
60 60 enter 1.915000 GHz Res BW 36 KHz #VBW 130 kHz Sweep 6.667 ms (1001 pts) Freq Offse 0 H Scale Typ Log Lig Sweep 6.667 ms (1001 pts)	-45.0												<u>Auto</u>	Mar
enter 1.915000 GHz Res BW 36 kHz #VBW 130 kHz Span 4.000 MHz Span 4.000 MHz Sweep 6.667 ms (1001 pts)														
5.0 Enter 1.915000 GHz Scale Type Res BW 36 kHz #VBW 130 kHz Sweep 6.667 ms (1001 pts)	55.0													-
enter 1.915000 GHz Res BW 36 KHz #VBW 130 kHz Sweep 6.667 ms (1001 pts)														9 H.
enter 1.915000 GHz Span 4.000 MHz Log Li Res BW 36 kHz #VBW 130 kHz Sweep 6.667 ms (1001 pts)	65.0													Scale Type
Res BW 36 kHz #VBW 130 kHz Sweep 6.667 ms (1001 pts)														
			GHz			0.000.00	400 KU-			0	Span 4	.000 MHz	Log	<u>Lii</u>
	SG SG	30 KHZ			#	ABM	130 KHZ					1001 pts)		

Plot 7-241. Upper Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)



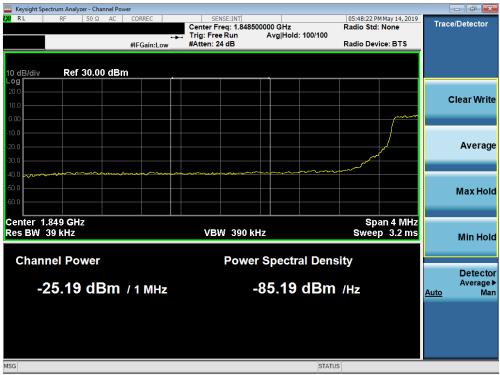
Plot 7-242. Upper Extended Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager		
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Keysight Spectrum Analyzer - Swept S	A				
<mark>X/</mark> RL RF 50Ω A	C CORREC	SENSE:INT	#Avg Type: RMS	05:47:58 PM May 14, 2019 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dBr	PNO: Wide ↔ IFGain:Low	Trig: Free Run Atten: 36 dB	• //	1 1.849 996 GHz -27.039 dBm	Auto Tune
15.0					Center Freq 1.850000000 GHz
-5.00			and and the second s	CL1 -13.00 dBm	Start Freq 1.848000000 GHz
-15.0		1,00			Stop Freq 1.852000000 GHz
-35.0	hund Market and and a start				CF Step 400.000 kHz <u>Auto</u> Mar
-55.0					Freq Offset 0 Hz
-65.0 Center 1.850000 GHz				Span 4.000 MHz	Scale Type
#Res BW 62 kHz	#VBW	220 kHz	Sweep	6.667 ms (1001 pts)	
MSG			STATU	-	

Plot 7-243. Lower Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)



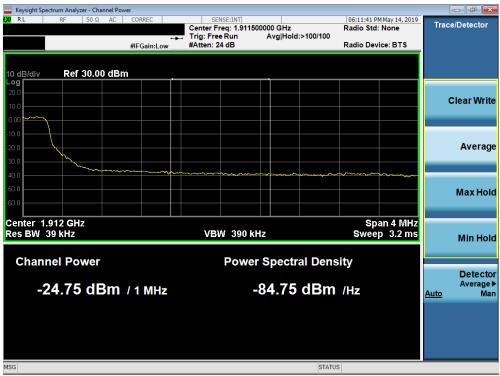
Plot 7-244. Lower Extended Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager						
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									- 6 ×
LXU RF 50Ω AC	CORREC	SEN	ISE:INT	#Avg Typ	e: RMS		M May 14, 2019	F	requency
	PNO: Wide ↔→ IFGain:Low	Trig: Free Atten: 36		"s.)P		TY			
10 dB/div Ref 25.00 dBm					Mkr1	1.910 ( -27.2	)20 GHz 99 dBm		Auto Tune
									Center Freq
15.0								1.91	0000000 GHz
5.00 contraction of the second second	were and a second second second	mr 1							Start Freq
-5.00								1.90	8000000 GHz
-15.0							DL1 -13.00 dBm		Stop Freq
-25.0		hu ha	1					1.91	2000000 GHz
		UL.	Margare 1						CF Step
-35.0			- mark	╈╼╾╠┉ <sub>┝╾</sub> ╍╬╬┷╼ <sub>┙</sub>	ales and a second second second	genenand generative	a Balannya Manan Mana	<u>Auto</u>	400.000 kHz Man
-45.0									
-55.0									Freq Offset
									0 Hz
-65.0									Scale Type
Center 1.910000 GHz						Span 4	.000 MHz	Log	Lin
#Res BW 62 kHz	#VBW	220 kHz			Sweep 6	.667 ms (	(1001 pts)		
MSG					STATUS	5			

Plot 7-245. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)



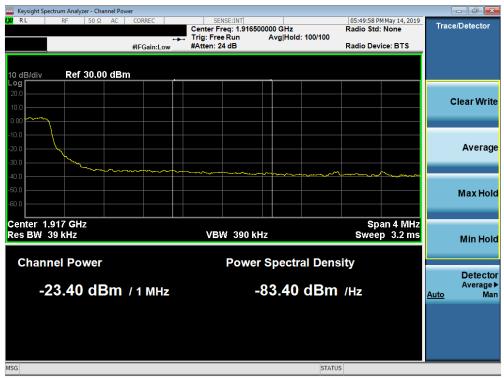
Plot 7-246. Upper Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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	ectrum Analy.		t SA										
X/RL	RF	50 Ω	AC	CORREC			SENSE:INT	#Avg Ty	pe: RMS		M May 14, 2019	F	requency
				PNO: IFGain	Wide ↔ h:Low		ree Run 36 dB	• •		TY			
									Mk	<sup>-</sup> 1 1.915 (	020 GHz		Auto Tune
10 dB/div Log	Ref 25	.00 dE	Зm							-28.5	63 dBm		
							Ť						Center Freq
15.0												1.91	15000000 GHz
5.00													
5.00	لمرسح معاوره والمراجع	/~~~////////	ምህት/ሃላታ	month free	and an an particular	- may							Start Freq
-5.00												1.91	13000000 GHz
											DL1 -13.00 dBm		
-15.0						۱. The second							Stop Free
-25.0						۲	<u></u> 1					1.91	17000000 GHz
							W Lower						
35.0							Alter a	Margul Vilgeran	man	X	Marth Marth		CF Step 400.000 kHz
45.0												<u>Auto</u>	Man
45.0													
55.0													Freq Offset
													0 Hz
65.0													Scale Type
Center 1.		GHz			#\/D\A/	220 14	1-		Sucon	Span 4	.000 MHz	Log	Lin
≉Res BW	OZ KHZ				#VBW	220 kl	12		sweep	6.667 ms	(1001 pts)		

Plot 7-247. Upper Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-248. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

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🤤 Keysight Spectrum Analyzer - Swept SA					
LX RL RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: RMS	05:44:05 PM May 14, 2019 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dBm		Γrig: Free Run Atten: 36 dΒ		1 1.849 968 GHz -29.499 dBm	Auto Tune
15.0					Center Freq 1.85000000 GHz
-5.00			httinensenn installastatione		Start Freq 1.846000000 GHz
-15.0		1.		DL1 -13.00 dBm	Stop Freq 1.854000000 GHz
-35.0	ng ya an a dha an	nga ka			CF Step 800.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0				Spap 2 000 Billio	Scale Type
Center 1.850000 GHz #Res BW 120 kHz	#VBW 43	30 kHz	Sweep	Span 8.000 MHz 13.33 ms (1001 pts)	
MSG			STAT		

Plot 7-249. Lower Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-250. Lower Extended Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

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	ectrum Analy.												
X/RL	RF	50 Ω	AC	CORREC				#Avg Typ	e:RMS	TRA	M May 14, 2019 CE 1 2 3 4 5 6 PE A WWWWW	F	requency
				PNO: W IFGain:l	′ide ⊶⊶ ₋ow_	Atten: 36				D	ET A N N N N N		Auto Tune
10 dB/div Log	Ref 25	i.00 di	Bm						Mkr	1 1.910 ( -30.3	088 GHz 68 dBm		Auto Tune
												(	Center Free
15.0												1.91	0000000 GH
5.00 <b></b>	1170-5-0 Vicen 1004	an war	<mark>ነገመር</mark> ሌለም	*****	water	marly							Start Fre
-5.00												1.90	6000000 GH
15.0											DL1 -13.00 dBm		
-15.0						۲ ۲						1.91	Stop Free 4000000 GH
-25.0						` <sup>`II</sup> v <sub>vi</sub>	• <sup>1</sup>						
-35.0							- Andrew Allowedge	hand the second second	Warnentertemp	-	where a march for the second		CF Stej 800.000 kH
-45.0												<u>Auto</u>	Ма
55.0													Freq Offse
-55.0													0 H
-65.0													Scale Typ
Center 1.9	910000	GH7_								Snan	.000 MHz	Log	<u>Li</u>
#Res BW					#VBW	430 kHz			Sweep	13.33 ms	(1001 pts)		
ISG									STAT				

Plot 7-251. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-252. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ720QM		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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