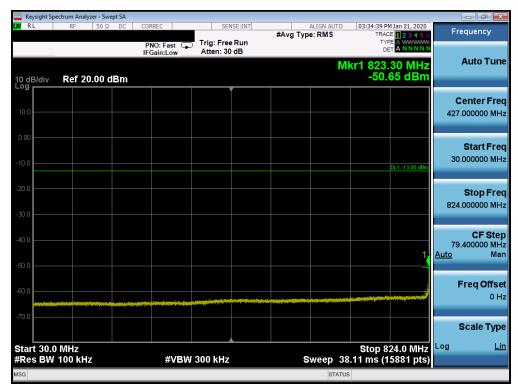




Plot 7-117. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



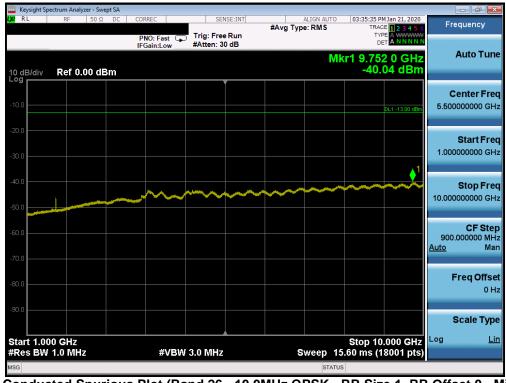
Plot 7-118. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dawa 70 at 007	
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	ctrum Analyzer - S									
LXI RL	RF 50	ΩDC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS		I Jan 21, 2020	Frequency
			PNO: Fast IFGain:Low	Trig: Free Atten: 30				TYF DE		Auto Tune
10 dB/div Log	Ref 20.00	dBm					IVI	kr1 849. -50.	75 MHZ 99 dBm	
10.0										Center Freq 924.500000 MHz
0.00									DL1 -13.00 dBm	Start Freq 849.000000 MHz
-20.0										Stop Freq 1.000000000 GHz
-40.0										CF Step 15.100000 MHz <u>Auto</u> Man
-50.0	yayaday a figtur tijangan afaa ya	washinny-ww	udadushquarqaay.//iruquJeeyanatida	put the second the start	there the rest of the second		المريدين والمراجع والمراجع		ing-quiter	Freq Offset 0 Hz
-70.0										Scale Type
Start 0.849 #Res BW			#VBW	300 kHz			Sweep 7	Stop 1.00 .248 ms (000 0112	Log <u>Lin</u>
MSG							STATUS	5		

Plot 7-119. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



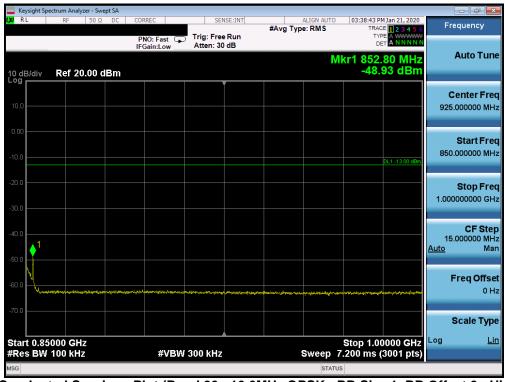
Plot 7-120. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 80 of 237	
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	ctrum Analyzer									_	- • •
LXI RL	RF	50Ω DC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO		1 Jan 21, 2020 E 1 2 3 4 5 6	Free	quency
			PNO: Fast G	Trig: Free Atten: 30				TYP DE			ute Ture
10 dB/div Log	Ref 20.0	00 dBm					M	kr1 822. -57.	05 MHz 53 dBm	<i>μ</i>	Auto Tune
10.0											enter Freq 000000 MHz
-10.0									DL1 -13.00 dBm		Start Freq 000000 MHz
-20.0											Stop Freq 000000 MHz
-40.0										79.4 <u>Auto</u>	CF Step 100000 MHz Man
-60.0								and the second	1 Syninge simpetin	Fi	r eq Offset 0 Hz
-70.0											cale Type
Start 30.0 #Res BW			#VBV	/ 300 kHz		8	weep 38	Stop 8: 11 ms (1	24.0 MHz 5881 pts)	Log	Lin
MSG							STATUS				

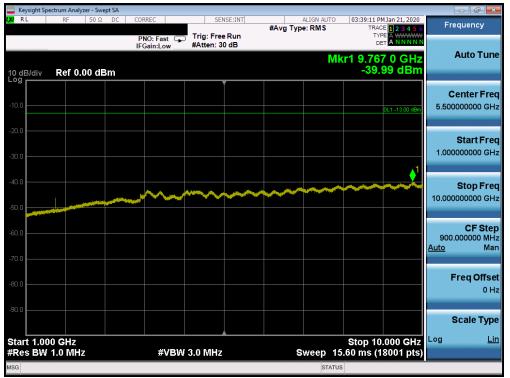
Plot 7-121. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-122. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 04 at 007	
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Plot 7-123. Conducted Spurious Plot (Band 26 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

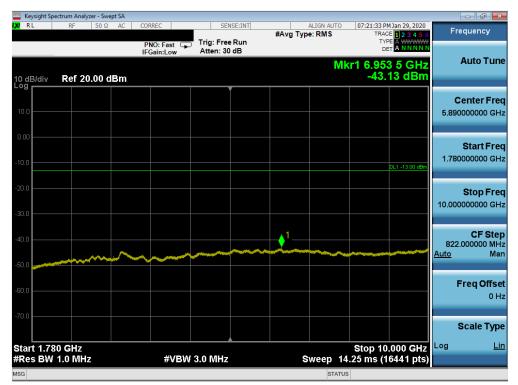
FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 02 of 227	
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Band 66/4

	ectrum Analyzer -								-	- 0
RL	RF 5	0Ω AC	PNO: Fast C		#Avg Typ	ALIGN AUTO e: RMS	TRAC	M Jan 29, 2020 E 1 2 3 4 5 6 E A WWWWW A N N N N N		quency
dB/div	Ref 20.0	0 dBm				Mk	r1 1.684 -48.	4 0 GHz 64 dBm		Auto Tun
0.0										enter Fre
.00).0								DL1 -13.00 dBm		Start Fre
D.0										Stop Fr 000000 G
).0 								¢	168.0 <u>Auto</u>	CF St 000000 M M
).0	an the second		**************************************						F	req Offs 0
	000 GHz						Stop 1.7	00 9112	S Log	cale Ty
tes BW	1.0 MHz		#VB	W 3.0 MHz		Sweep 2	.240 ms (3361 pts)		
3						STATUS				

Plot 7-124. Conducted Spurious Plot (Band 66/4 - 15.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



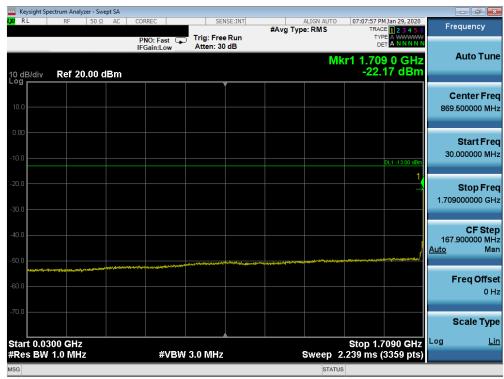
Plot 7-125. Conducted Spurious Plot (Band 66/4 - 15.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)		
Test Report S/N:	Test Dates:	EUT Type:	Т Туре:	
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🔤 Keysight Spe												
L <mark>XI</mark> RL	RF	50 Ω	AC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO		M Jan 29, 2020 E 1 2 3 4 5 6	Fr	equency
				PNO: Fast ↔ IFGain:Low	, Trig: Free #Atten: 1		Avg Hold	: 100/100	TYI Di	6 5 GHz		Auto Tune
10 dB/div Log	Ref	10.00 (lBm						-46.3	94 dBm		
0.00						· 						Center Freq 0000000 GHz
-10.0										DL1 -13.00 dBm		Otherst Frank
-20.0											10.00	Start Freq 0000000 GHz
-30.0											20.00	Stop Freq
-40.0						4						CF Step
-60.0		~~~									1.00 <u>Auto</u>	0000000 GHz Man
-70.0												Freq Offset 0 Hz
												0112
-80.0												Scale Type
Start 10.0									Stop 20	.000 0112	Log	Lin
#Res BW	1.0 M	HZ		#VBV	/ 3.0 MHz		8			:0001 pts)		
MSG								STATU	IS			

Plot 7-126. Conducted Spurious Plot (Band 66/4 - 15.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-127. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 04 at 027
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	ctrum Analyzer - Swep						
LX/IRL	RF 50 Ω	AC CORREC	SENSE:IN	IT #Avg Ty	ALIGN AUTO	07:08:47 PM Jan 29, 2020 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast 🕞 IFGain:Low	Trig: Free Run Atten: 30 dB				
10 dB/div Log	Ref 20.00 dE	3m			IVIE	r1 6.844 5 GHz -42.52 dBm	
10.0							Center Freq 5.89000000 GHz
0.00							Start Freq
-10.0						DL1 -13.00 dBm	1.780000000 GHz
-30.0							Stop Freq 10.000000000 GHz
-40.0		<u> </u>		1			CF Step 822.000000 MHz Auto Man
-50.0							Freq Offset
-60.0							0 Hz
-70.0							Scale Type
Start 1.78 #Res BW		#VBW	3.0 MHz		Sweep 14	Stop 10.000 GHz .25 ms (16441 pts)	Log <u>Lin</u>
MSG					STATUS	5	

Plot 7-128. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



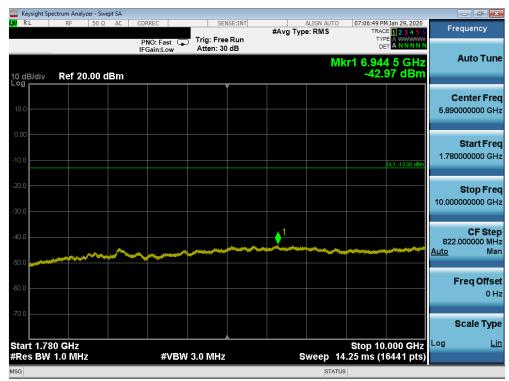
Plot 7-129. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 85 of 237	
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LX/ RL RF 50Ω AC	CORREC SEN	ISE:INT #Avg Typ		PM Jan 29, 2020 ACE 1 2 3 4 5 6	Frequency
	PNO: Fast 😱 Trig: Free	Run	т	YPE A WWWWW	
	IFGain:Low Atten: 30	dB		DET A N N N N N	
			Mkr1 1.70 -37	00 5 GHz	Auto Tune
10 dB/div Ref 20.00 dBm			-37	.08 dBm	
209					Center Freq
10.0					870.000000 MHz
10.0					870.000000 MHZ
0.00					
0.00					Start Freq
					30.000000 MHz
-10.0				DL1 -13.00 dBm	
-20.0					Stop Freq
					1.710000000 GHz
-30.0				1	
					CF Step
-40.0					168.000000 MHz
					<u>Auto</u> Man
-50.0	and a second				
and the second state of the second					Freq Offset
-60.0					0 Hz
					0 112
-70.0					
					Scale Type
Start 0.0300 GHz			Stop 1	.7100 GHz	Log <u>Lin</u>
#Res BW 1.0 MHz	#VBW 3.0 MHz		Sweep 2.240 ms		
MSG			STATUS		

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



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

FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Daga 96 of 227	
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XX RL RF 50Ω AC		#Avg Type	E: RMS TRAC	MJan 29, 2020 CE 1 2 3 4 5 6 PE A WWWWW
10 dB/div Ref 10.00 dBm	PNO: Fast Trig: Free IFGain:Low #Atten: 2		Mkr1 18.24	
0.00				Center Fred 15.000000000 GHz
-10.0				DL1 -13.00 dem Start Fred 10.000000000 GH2
-30.0			1	Stop Fred 20.000000000 GH:
-50.0				CF Step 1.00000000 GH <u>Auto</u> Mar
-70.0				Freq Offse
-80.0			04 00	
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	S	stop 20 weep 25.33 ms (2	.000 GHZ
MSG			STATUS	

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



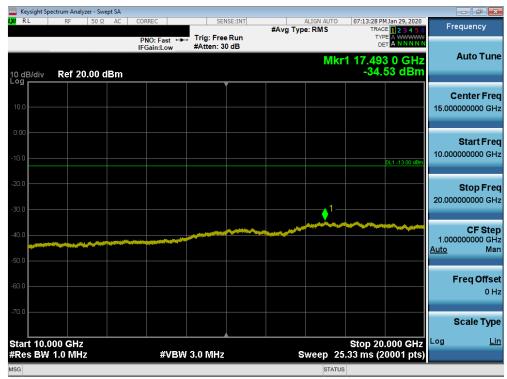
Plot 7-133. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 07 of 007
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	ctrum Analyzer - Swe										
LX/RL	RF 50 Ω	AC COR	REC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO		MJan 29, 2020 E 1 2 3 4 5 6	Fre	quency
		IFG	O: Fast ↔→ ain:Low	Trig: Free #Atten: 30				TYF	1 0 GHz 79 dBm		Auto Tune
10 dB/div Log	Ref 20.00 d	IBm				_		-17.5			
10.0											enter Freq 500000 GHz
-10.00 -10.00									DL1 -13.00 dBm		Start Freq 000000 GHz
-20.0											Stop Freq 000000 GHz
-40.0					~~~					821. <u>Auto</u>	CF Step 900000 MHz Man
-50.0										F	req Offset 0 Hz
-70.0											cale Type
Start 1.78			-43 (5334)	0 0 MIL-		_		Stop 10	.000 GHZ	Log	Lin
#Res BW	1.0 MHZ		#VBW	3.0 MHz		5			6439 pts)		
MSG							STATU	S			

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



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

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Da an 00 at 007
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Band 25/2

	ectrum Analyzer - S		000050		or the			00.44.04.0			- 6
RL	RF 50	Ω AC	PNO: Fast			#Avg Type	ALIGN AUTO	TRAC	M Jan 29, 2020 DE 1 2 3 4 5 6 PE A WWWWW ET A N N N N N		quency
dB/div	Ref 20.00	dBm					Mk	r1 1.84 -21.	9 0 GHz 98 dBm		Auto Tur
0.0											e nter Fr e 500000 Mi
00									DL1 -13.00 dBm		Start Fr 000000 M
).0).0									1		Stop Fr 000000 G
).0									للسبيد وروسي	181.9 <u>Auto</u>	CF St 900000 M N
).0 .0	n yye iye a ta ti dinakar andiyy	,,	1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 -							F	req Offs 0
art 0.03	00 GHz							Stop 1.2	3490 GHz	S	cale Ty
	1.0 MHz		#VBV	V 3.0 MHz			Sweep 2	.425 ms	3639 pts)		
3							STATUS				

Plot 7-136. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



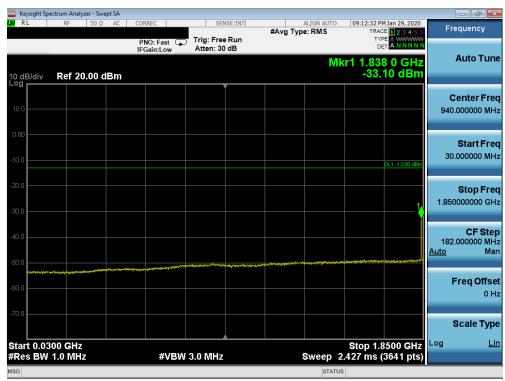
Plot 7-137. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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🗶 RL RF 50Ω AC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS		1 Jan 29, 2020 E 1 2 3 4 5 6	Fre	quency
	PNO: Fast +++ IFGain:Low	Trig: Free #Atten: 24		•		TYP			
10 dB/div Ref 10.00 dBm					Mkr	1 18.587 -40.2	7 0 GHz 21 dBm		Auto Tune
0.00									enter Freq 000000 GHz
-10.0							DL1 -13.00 dBm		Start Freq 000000 GHz
-30.0						1			Stop Freq
-40.0		-	i an				****		CF Step
-60.0								1.000 <u>Auto</u>	000000 GHz Man
-70.0								F	req Offset 0 Hz
-80.0								S	Scale Type
Start 10.000 GHz #Res BW 1.0 MHz	#\/D\/	3.0 MHz			woon 25	Stop 20.	.000 GHz 0001 pts)	Log	<u>Lin</u>
	#VDVV	5.0 WHZ		3	status		ooo r pts)		

Plot 7-138. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



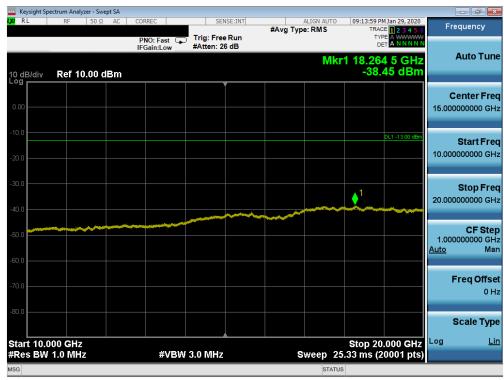
Plot 7-139. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Da an 00 at 007
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	ctrum Analyzer - Sw						
LXI RL	RF 50 Ω	AC CORREC	SENS		ALIGN AUTO	09:12:39 PM Jan 29, 2020 TRACE 1 2 3 4 5	Frequency
		PNO: Fast C IFGain:Low	Trig: Free F Atten: 30 d	lun	•	DET A WWWW	
10 dB/div Log	Ref 20.00 c	lBm			M	(r1 7.494 5 GHz -42.34 dBm	Auto Tune
10.0							Center Freq 5.957500000 GHz
-10.0						DL1 -13.00 dBm	Start Freq 1.915000000 GHz
-20.0							Stop Freq 10.000000000 GHz
-40.0	and the second second						CF Step 808.500000 MHz <u>Auto</u> Man
-60.0							Freq Offset 0 Hz
-70.0							Scale Type
Start 1.91 #Res BW		#\/R	W 3.0 MHz		Sween_14	Stop 10.000 GHz 01 ms (16171 pts.	
MSG	1.0 10112	#VD	W 5.0 WII 12				
MSG					STATUS	3	

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



Plot 7-141. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 01 of 227	
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	ectrum Analyzer - Swept S					
L <mark>XI</mark> RL	RF 50 Ω /	AC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:19:24 PM Jan 29, 2020 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast G	Trig: Free Run Atten: 30 dB	• 2	DET A WWWWW	
10 dB/div Log	Ref 20.00 dB	m		Mł	r1 1.828 0 GHz -48.73 dBm	Auto Tune
10.0						Center Freq 940.000000 MHz
-10,0					DL1 -13.00 dBm	Start Freq 30.000000 MHz
-20.0						Stop Freq 1.850000000 GHz
-40.0						CF Step 182.00000 MHz <u>Auto</u> Man
-60.0		hteen to a the second of the second				Freq Offset 0 Hz
-70.0						Scale Type
Start 0.03 #Res BW		#\/B\M	3.0 MHz	Sween	Stop 1.8500 GHz 2.427 ms (3641 pts)	Log <u>Lin</u>
	1.0 10112	#VDVV	5.0 WHZ	-		
MSG				STATUS	3	

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



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

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 00 af 007
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	trum Analyzer - Swept SA									d X
LXI RL	RF 50 Ω AC	CORREC		ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRACE	Jan 29, 2020	Frequen	су
		PNO: Fast G	Trig: Free #Atten: 24				TYP DE		Auto	Tune
10 dB/div Log	Ref 20.00 dBm					Mkr	1 17.506 -40.1	5 GHz 18 dBm	Auto	Tune
10.0									Center 15.00000000	
-10.0								DL1 -13.00 dBm	Star 10.00000000	t Freq 00 GHz
-20.0									Stop 20.00000000	o Freq 00 GHz
-40.0				~~~~					CF 1.00000000 <u>Auto</u>	5 Step 00 GHz Man
-50.0									Freq (Offset 0 Hz
-70.0									Scale	
Start 10.00 #Res BW 1		#VBW	3.0 MHz		s	weep 25	Stop 20. 5.33 ms (20	000 GHz 0001 pts)	Log	<u>Lin</u>
MSG						STATUS	5			

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

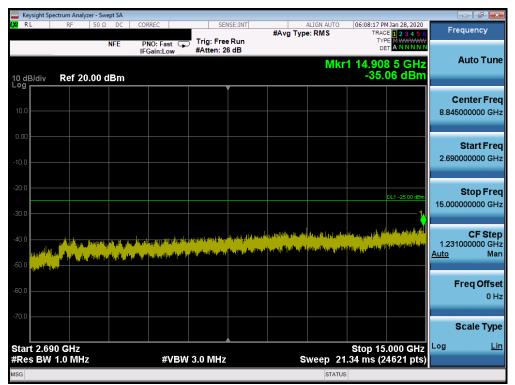
FCC ID: ZNFQ730TM	<u> PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	
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Band 41

	pectrum Analyze										ð 💌
X/RL	RF	50 Ω DC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO			Frequen	cv
	_	NFE	PNO: Fast 📮 IFGain:Low	Trig: Free #Atten: 2		#Avg Typ	e: RIVIS	TYPE	123456 MWWWWW ANNNNN		
10 dB/div	Ref 20.	00 dBm					Μ	kr1 2.475 -43.8	0 GHz 4 dBm	Auto	Tun
10.0										Center 1,25250000	
0.00										1.25250000	JU GF
										Star 30.00000	
10.0											
20.0									0L1 -25.00 dBm	Stop 2.47500000	
30.0											
10.0									1 1	244.50000 Auto	Ste 00 Mi Ma
50.0	والمستعاد والمراجع	ويتلول ويتوقدون المرو		a da anti-			و براهیان (میدون از معدولی) و براهیان این و معدولی از م	tin konstruit laisei list Maria konstruit laisei list Maria konstruit aise			
60.0	and the stand in a state of the	and a state of the s	the state of the second							Freq	Offs 0⊦
70.0										Scale	TV
start 0.0	20 04-							Otan 2	475 011-		ייקעי: <u>L</u>
	30 GHZ 1.0 MHz		#VBW	/ 3.0 MHz			Sweep	3.260 ms (4	475 GHz 891 pts)	-	-
SG							STAT	IS			

Plot 7-145. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



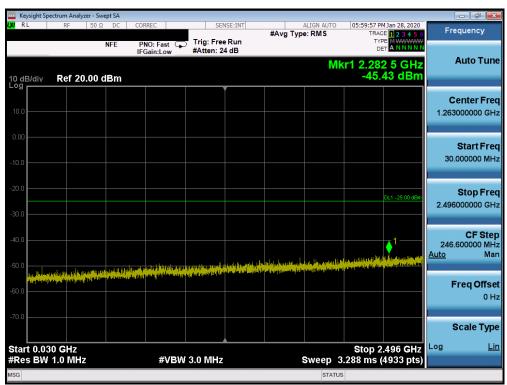
Plot 7-146. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ysight Spec												
l <mark>XI</mark> RI	L	RF	50 Ω	DC C	ORREC		SEN	ISE:INT	#Avg Typ	ALIGN AUT e: RMS		PM Jan 28, 2020 ACE 1 2 3 4 5 6	Frequency
			١		PNO: Fas FGain:Lo		Trig: Free #Atten: 6		•		Т	YPE MWWWWW DET ANNNN	
										Μ	kr1 25.4	69 5 GHz	Auto Tune
10 dE Log	3/div	Ref 5	.00 dB	m							-48	.57 dBm	
208							,						Center Freq
-5.00													21.00000000 GHz
-15.0													Start Freq
-25.0												DL1 -25.00 dBm	15.00000000 GHz
-35.0													Stop Freq
-45.0												1	27.00000000 GHz
10.0										ւ ենքը դ		r t Databaseta	
-55.0	اله کر انگ	linul maria	ni <mark>nen Hi</mark> le	مسرا الايظرابا م	an a	llasent.	^{neg} iin Mahay Mari	an a		i saali dadila. ee ti	na ser sen se	and all market states	CF Step 1.20000000 GHz
-65.0	i i i paristi i	مىلتە(للەش	الأقر _ا حادات	un an	al la state	Chole ² frén	فكالبادة ومنطور الكروال	يرزيوني وبالاريمان	a firming the st				<u>Auto</u> Man
-65.0													
-75.0													Freq Offset 0 Hz
													0 Hz
-85.0													Scale Type
	t 15.00 s BW 1				#1	/B14	3.0 MHz			waan	Stop 2	7.000 GHz (24001 pts)	Log <u>Lin</u>
MSG	5 DVV	.o win	2		#	91-9WV	5.0 WHZ		3			24001 pts)	
										517			

Plot 7-147. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



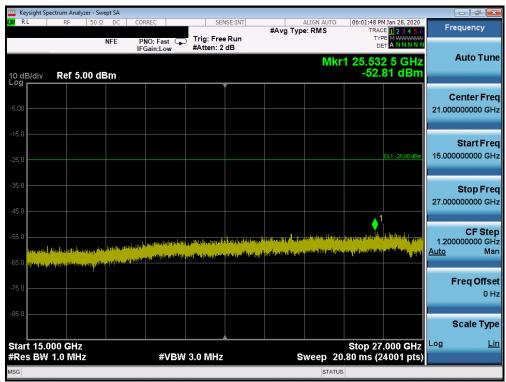
Plot 7-148. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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	ectrum Analyz									
LXI RL	RF	50 Ω DC	CORREC	SEI	NSE:INT	#Avg Typ	ALIGN AUTO e: RMS		M Jan 28, 2020	Frequency
		NFE	PNO: Fast 🔾	Trig: Free #Atten: 2				TY	PE MWWWWW	
			IFGain:Low	#Atten: 2	4 UD		M	kr1 14.84	0.5.047	Auto Tune
10 dB/div	Ref 20	.00 dBm						-36.	79 dBm	
					Ť					
										Center Freq
10.0										8.845000000 GHz
0.00										
0.00										Start Freq
-10.0										2.69000000 GHz
-20.0										Stop Freq
									DL1 -25.00 dBm	15.000000000 GHz
-30.0									1	
									بالالم للارية الد	CF Step
-40.0	ر بال بقراطين	فر الدر والمالية المالية	A STREET AND A STREET A	a pitti anna da an	יגע יינקוי ארינישא י	a a a su	li editoria di stati	and a state of the second	dela astantia constrati	1.231000000 GHz
-50.0	A. Maria	and the state of	ny kalini ini pipi kalini (k La ^{di} patra na pita di pi				an la dina da ser	الفاسلول والساطر وتقا		<u>Auto</u> Man
what when	un ^t									
-60.0										Freq Offset
										0 Hz
-70.0										
										Scale Type
Start 2.69	0 GHz			· · · · ·	A			Stop 1:	5.000 GHz	Log <u>Lin</u>
#Res BW			#VBV	V 3.0 MHz		S	weep :	21.34 ms (2		
MSG							STAT	TUS		

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



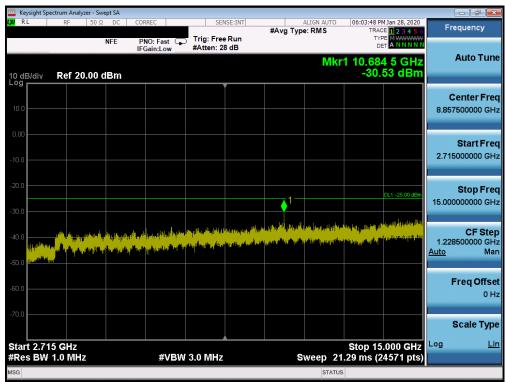
Plot 7-150. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕑 LG	Approved by: Quality Manager
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🔤 Keysight Spectrum Analy					
LXI RL RF	50 Ω DC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	06:03:02 PM Jan 28, 2020 TRACE 1 2 3 4 5 6	Frequency
	NFE PNO: Fast IFGain:Low	Trig: Free Run #Atten: 28 dB	• //	TYPE MWWWW DET ANNNNN	Auto Tune
10 dB/div Ref 20	0.00 dBm			-41.10 dBm	
10.0					Center Freq 1.263000000 GHz
-10.0					Start Freq 30.000000 MHz
-20.0				DL1 -25.00 dBm	Stop Freq 2.496000000 GHz
-40.0	a sai dhaan araan an ahmhaitiile sidire		روب	1 Aligner (Terlinderic gescherterier)	CF Step 246.600000 MHz <u>Auto</u> Man
-50.0	A STATE OF THE REAL PROPERTY O	In faile de la constitue de la			
-60.0					Freq Offset 0 Hz
-70.0					Scale Type
Start 0.030 GHz #Res BW 1.0 MH	7	3W 3.0 MHz	Sween	Stop 2.496 GHz 3.288 ms (4933 pts)	Log <u>Lin</u>
MSG			STATU		

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



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

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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		ctrum A	nalyzer - Sw	ept SA								_	
l XI R	L	RF	50 Ω	DC CO	RREC	SEI	NSE:INT	#Avg Typ	ALIGN AUTO		1 Jan 28, 2020 E 1 2 3 4 5 6	Freq	uency
10 di	Bidiy	Ref	5.00 di	IF	NO: Fast Gain:Low	Trig: Free #Atten: 6				TYF DE		A	uto Tune
-5.00			0.00 01										nter Freq 00000 GHz
-15.0 -25.0											DL1 -25.00 dBm		Start Freq 200000 GHz
-35.0 -45.0											1		Stop Freq D0000 GHz
-55.0 -65.0	un de la composition Charle de la composition de la composition Charle de la composition de la compositio	ite ni fini	an tang ang tang ang Tang ang tang	a telefort and the state of the	a Harri Interneta ante National Interneta de la constante de la constante de la constante de la constante de la	a pad kapapanin Pad kapapanin	n altar (Mara) pel Matempi ⁽ Darianti	a an taona da ang di tao ak Na ang ang ang ditao ak	e <mark>n de la desta de la desta La desta de la d</mark>	e houdd ac a for firm fo gan a fargel a chail a contra	masi ni karjijing Kasi dina lin _{a d} ular	1.2000 <u>Auto</u>	CF Step 00000 GHz Man
-75.0												Fr	e q Offset 0 Hz
-85.0 Star	t 15.0		H7							Stop 27	.000 GHz	So Log	ale Type <u>Lin</u>
	s BW				#VBV	V 3.0 MHz		s	weep 20).80 ms (2		_	
MSG									STATU	S			

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

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	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 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), and 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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Band 71



Plot 7-154. Lower Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-155. Upper Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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Keysight Spe													
RL	RF	<u>50</u> Ω	AC	CORREC	ide 😱	Trig: Free		#Avg Typ	e: RMS	TRAC	1 Jan 30, 2020 E 1 2 3 4 5 6 E A WWWWW T A N N N N N	F	requency
0 dB/div	Ref 2	5.00 di	Bm	IFGain:L	ow	Atten: 36	dB		M	kr1 662.9			Auto Tun
15.0													Center Fre 3.000000 M⊦
5.00								N7 ************************************			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	65	Start Fre 9.000000 MH
25.0						(1 www				DL1 -13.00 dBm	66	Stop Fre 7.000000 MH
5.0	ana sa ana s	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		ما و المراجع الم	anger gely stability	and and a second se						<u>Auto</u>	CF Ste 800.000 kl Ma
5.0													Freq Offs 0
35.0 Center 66	3.000 N	ЛНz								Span 8	.000 MHz	Log	Scale Typ
Res BW				1	₽VBW	300 kHz			Sweep	13.33 ms (1001 pts)		
G									STATU	JS			

Plot 7-156. Lower Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-157. Upper Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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	ectrum Analyze												- 6 💌
U RL	RF	50Ω /		PNO: W	ide 🖵			#Avg Typ	e: RMS	TRAC	4 Jan 30, 2020 E 1 2 3 4 5 6 E A WINNNN	Fre	equency
0 dB/div	Ref 25.0	00 dB		IFGain:L	_ow	Atten: 3	6 dB		Mł	(r1 660.8			Auto Tun
15.0													enter Fre 000000 M⊦
5.00								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				657.	Start Fre
5.0							J.				DL1 -13.00 dBm	669.	Stop Fre
5.0		<u></u>	and the second									1. <u>Auto</u>	CF Ste 200000 M M
5.0												F	req Offs ۱
	53.000 MH	łz				4761.00				Span 1 1.000 ms (2.00 MHz		Scale Typ L
Kes EUU	150 kHz			7	FVEW	470 kHz			sweep	1.UUU ms i	10001061		

Plot 7-158. Lower Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-159. Upper Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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	PNO: Wide			#Avg Typ		TRAC TYP DE 71 663.0 -28.1	MJan 30,2020 E 2 3 4 5 6 M M M M M M M M M M M M M M M M M M M	A Ce 663.0 S	uency uto Tuno nter Free 00000 MH: Start Free
	IFGain:Low	Atten: 36				r1 663.0 -28.1	00 MHz 07 dBm	Ce 663.0	nter Fre 00000 MH
				gerner verdenverdenver	monuntra	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	toma the second	663.0 S	00000 MH
			\int	and the second sec	hor of the	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	hoursel		tart Fre
								655.0	00000 MH
			1				DL1 -13.00 dBm		Stop Fre
water and the second	m	- Marana - A						1.6 <u>Auto</u>	CFSte 00000 MI Ma
								Fr	eq Offs 0 I
MHz						Span 1	0.00 10112	Log	ale Typ: L
z	#VBW	620 kHz			Sweep 1	.000 ms (1001 pts)		
	ИНZ	WHz	WHz	иHz	MHz	MHz z #VBW 620 kHz Sweep 1	VIHz Span 1	MHz z #VBW 620 kHz Sweep 1.000 ms (1001 pts)	MHz z #VBW 620 kHz Sweep 1.000 ms (1001 pts)

Plot 7-160. Lower Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-161. Upper Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)

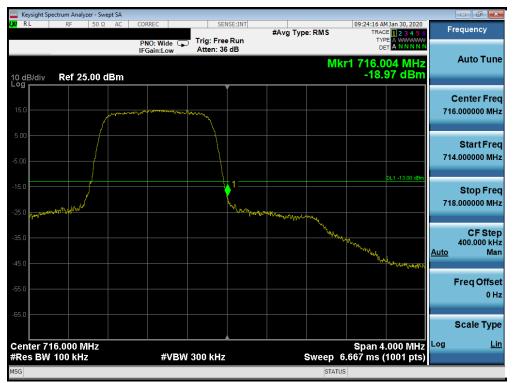
FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Band 12



Plot 7-162. Lower Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)



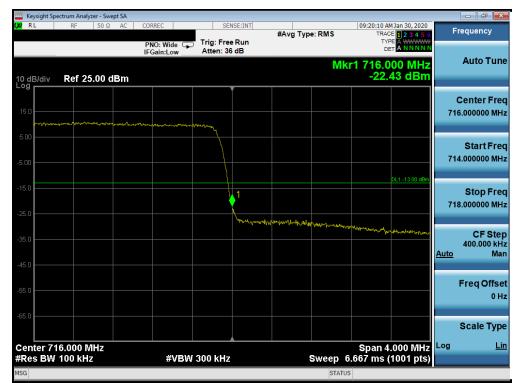
Plot 7-163. Upper Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
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Plot 7-164. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)



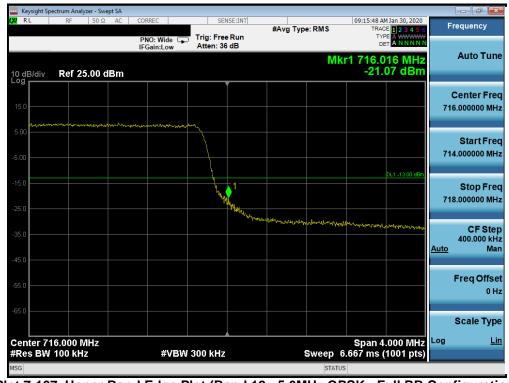
Plot 7-165. Upper Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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PNO: Wide Trig: Free Run Atten: 36 dB Mkr1 697.836 MHz -25.74 dBm -25.74 dBm	Keysight Spectrum		pt SA										
Center 698.000 MHz Center 698.000 MHz Center 698.000 MHz	RL R	F 50 Ω	AC	CORREC PNO: W IFGain:L	ide 🖵	Trig: Free	Run	#Avg Typ	e: RMS	TRAC	E 1 2 3 4 5 6	F	requency
150 Image: Conternation of the second of	0 dB/div Re	ef 25.00 d	Bm						Mk	r1 697.8 -25.	36 MHz 74 dBm		Auto Tun
500 0										Anothers The			Center Fre
5.0 1 Stop F 5.0												69	Start Fre
5:0 CF S 6:0 Auto 7:0 Freq OI 7:0 Span 4.000 MHz						1	مىرىمى 1940-يىرىمى	104-1-1-001-1-1901-11	Vargent Werker WW		DL1 -13.00 dBm	70	Stop Fre 0.000000 MI
5.0 Scale T enter 698.000 MHz Span 4.000 MHz		hand fail and an and a set	ne-ytel new									<u>Auto</u>	CF Ste 400.000 kl M
enter 698.000 MHz Span 4.000 MHz													Freq Offs 0
Pec BM 100 kHz #V/BW 300 kHz Sween 6 667 mc (1001 ntc)	enter 698.00									Span 4	.000 191112		Scale Typ L
	Res BW 100	kHz		\$	≠VBW :	300 kHz			Sweep 6	6.667 ms (1001 pts)		

Plot 7-166. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-167. Upper Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)

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Ogeneration Content Free 0 GB/div Ref 25.00 dBm -28.57 dBm 150 -28.57 dBm -28.57 dBm 500 -28.57 dBm -598.00000 M 500 -28.57 dBm -598.00000 M 500 -28.57 dBm -509.00000 M 500 -28.57 dBm -500 MBm 500 -28.57 MBm	Keysight Spectrum Analyze										
Mkr1 697.992 MHz Auto Tu 0 dB/div Ref 25.00 dBm -28.57 dBm 10 -28.57 dBm	RL RF	50 Ω AC	PNO: Wide 🗔	Trig: Free	Run	#Avg Typ	e: RMS	TRAC	123456	F	requency
15.0 Center Fr 500 Start Fr 500 CL1-1300 dBm 150 CL1-1300 dBm 150 CF Sta 250 CF Sta 250 CF Sta 250 Freq Offs 250 Start Fr 250 Start Fr 250 Start Fr 250 Start Fr 250 Freq Offs 250 Start Fr 250 Freq Offs 250 Start Fr 250 Start Fr 250 Start Fr 250 Start Fr 250 Freq Offs 250 Start Fr 250 Start Fr 250 Freq Offs 250 Start Fr 250 Sta	0 dB/div Ref 25.	00 dBm	IFGain:Low	Atten: 30	dB		Mk	r1 697.9	92 MHz		Auto Tun
Start Fr 500 0.1 - 13.00 dBm 150 0.1 - 13.00 dBm 150 <td>15.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Center Fre B.000000 MH</td>	15.0										Center Fre B.000000 MH
150 250 250 250 250 250 250 250 2	5.00						and an and a second	CUTTOREN (CARTAGOR CALL		694	Start Fre 4.000000 M⊦
350 CF St 450 Freq Offs 550 State 550					1				DET -13.00 dom	70:	Stop Fre 2.000000 Mi
sto scale Ty tenter 698.000 MHz Span 8.000 MHz Log	and the second s	and the second secon	and a second							<u>Auto</u>	CF Ste 800.000 kH Ma
enter 698.000 MHz Scale Ty											Freq Offs 0 I
Res BW 100 kHz #VBW 300 kHz Sweep 13.33 ms (1001 pts)	Center 698.000 MI	Hz						Span 8.	000 MHz		Scale Typ L
SG STATUS	Res BW 100 kHz		#VBW	300 kHz					1001 pts)		

Plot 7-168. Lower Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)

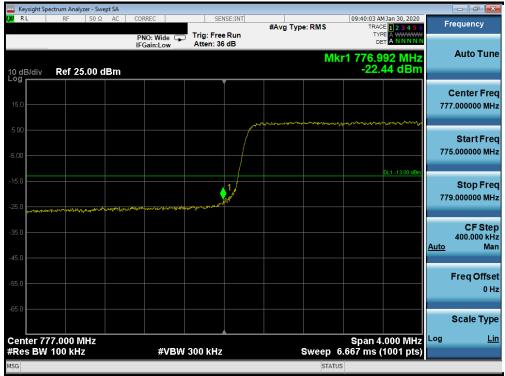


Plot 7-169. Upper Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)

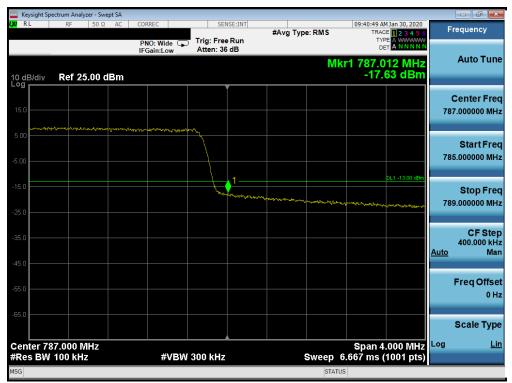
FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dava 400 - 6007
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Band 13



Plot 7-170. Lower Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-171. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 100 of 227
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	ectrum Analyz												
RL	RF	50 Ω	AC	CORREC	ide 😱	Trig: Fre		#Avg Ty	pe: RMS	TRAC	M Jan 30, 2020 DE 1 2 3 4 5 6 DE A WWWWW T A N N N N N	F	requency
0 dB/div	Ref 25.	.00 dl	Зm	IFGain:L	.ow	Atten: 3	6 dB		Μ	kr1 776.9			Auto Tun
15.0													Center Fre 7.000000 M⊦
5.00								and a family of the second		nisologin shariyasinikk		77	Start Fre 3.000000 M⊦
25.0				and the second second	April 1 and	يىلى يىن المارىيى المارىيى المارىيى المارىيى المارىيى المارىيى المارىيى المارىيى الماريين الماريين الماريين ال	1				DL1 -13.00 dBm	78	Stop Fre 1.000000 Mi
5.0	ang to an and	re-Politication										<u>Auto</u>	CF Ste 800.000 kl Ma
5.0													Freq Offs 0 I
5.0 Center 77	7.000 <u>M</u>	Hz								Span 8	.000 MHz	Log	Scale Typ
Res BW				ţ	¢VB₩	300 kHz			Sweep	13.33 ms ((1001 pts)		
SG									STAT	US			

Plot 7-172. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-173. Upper Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

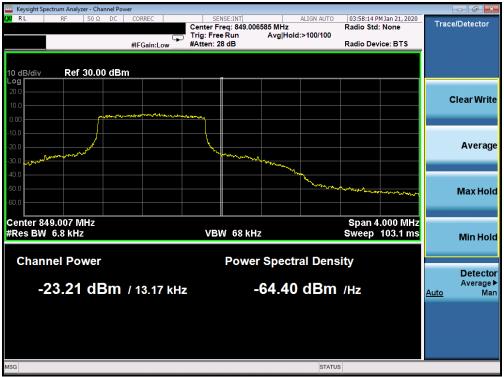
FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 110 of 227
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Band 26



Plot 7-174. Lower Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)



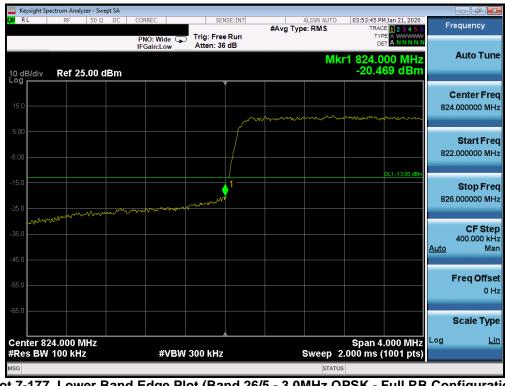
Plot 7-175. Upper Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 111 of 227
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	ectrum Analy:									×
I,XI RL	RF	50 Ω DC	CORREC	SENSE:		ALIGN AUTO Type: RMS	03:58:25 PM TRACE	Jan 21, 2020	Frequency	
			PNO: Wide ↔ IFGain:Low	Trig: Free Ru Atten: 36 dB	in	.,,	TYPE	A WWWWW A N N N N N		
10 dB/div Log	Ref 25	.00 dBm				M	kr1 850.00 -35.6	00 MHz 64 dBm	Auto Tu	ne
15.0									Center Fr 852.000000 M	
-5.00								DL1 -13.00 dBm	Start Fr 850.000000 M	
-15.0									Stop Fr 854.000000 M	
-35.0	who have	m	Magazine -						CF St (400.000 k <u>Auto</u> M	
-55.0			Marter and Marting	Mar	many	Man manageree		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Freq Offs 0	set Hz
-65.0									Scale Ty	
Center 8 #Res BW			#VBW	300 kHz		Sweep	Span 4. 2.000 ms (1		Log <u>l</u>	Lin
MSG						STATU	-			

Plot 7-176. Upper Extended Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-177. Lower Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 110 of 007
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RL	pectrum Anal	50 Ω		CORREC		SE	NSE:INT		ALIGN AUTO	03:54:49 P	M Jan 21, 2020		
				PNO: W IFGain:	/ide 😱	Trig: Fre Atten: 3		#Avg Ty	pe: RMS	TRAC	E 1 2 3 4 5 6 PE A WWWW A NNNNN	Fre	quency
) dB/div	Ref 2	5.00 d	Bm						Mk	r1 849.0 -17.	00 MHz 01 dBm		Auto Tun
5.0	m			mm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ma							enter Fre
.00											DL1 -13.00 dBm		Start Fre
5.0							1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	www.	-marge		851.	Stop Fre
5.0												Auto	CF Ste 400.000 kl M
5.0												F	req Offs 0
5.0	49.000 F	147								Snan 4	.000 MHz		cale Typ
	V 100 kH				#VBW	300 kHz			Sweep 2	2.000 ms (1001 pts)		

Plot 7-178. Upper Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-179. Lower Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:		Dage 112 of 227		
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	pectrum Analyzer										
RL	RF 5	50Ω DC	CORREC			#Avg Ty	ALIGN AUTO pe: RMS	TRAC	M Jan 21, 2020 E 1 2 3 4 5 6 PE A M N N N N	Fr	equency
0 dB/div	Ref 25.0	0 dBm	IFGain:Low	Atten: 36	dB		Mk	r1 849.0			Auto Tun
15.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		man								Center Fre .000000 M⊦
5.00 									DL1 -13.00 dBm	847	Start Fre .000000 M⊦
5.0				4 4 1	1	and and a start of the start of	man and an	- where a feature		851	Stop Fre .000000 MH
5.0										<u>Auto</u>	CF Ste 400.000 kH Ma
5.0											F req Offs 0 F
	49.000 MH	z					0	Span 4	.000 MHz	Log	Scale Typ
	/ 100 kHz		#VBV	V 300 kHz			Sweep 2		1001 pts)		

Plot 7-180. Upper Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-181. Lower Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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RL	pectrum Analyz	50 Ω		CORREC		SEI	NSE:INT		ALIGN AUTO	03:41:15 P	M Jan 21, 2020		
NL.	N	50.35		PNO: W	ide 🖵	Trig: Free Atten: 36	Run	#Avg T	ype: RMS	TRA	DE 1 2 3 4 5 6 PE A WWWWW ET A NNNNN	F	requency
0 dB/div	Ref 25	.00 dE	3m						Mk	r1 849.3 -23.	312 MHz 41 dBm		Auto Tun
15.0													Center Fre 9.000000 МН
5.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second								84	Start Fre 5.000000 M⊦
25.0						houre	1	all government			DL1 -13.00 dBm	85	Stop Fre 3.000000 MH
15.0											hum with works	<u>Auto</u>	CF Ste 800.000 kH Ma
5.0													Freq Offs 0 I
i5.0	40.000-54									0.000		Log	Scale Typ
	49.000 M / 100 kHz			\$	≠vbw	300 kHz			Sweep 4	span 8 1.000 ms	.000 MHz (1001 pts)	209	<u> </u>
G									STATU				

Plot 7-182. Upper Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-183. Lower Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analyzer - Swep										×
L <mark>XI</mark> RL	RF 50 Ω	DC C	ORREC	SEN	ISE:INT	#Avg Ty	ALIGN AUTO pe: RMS	TRA	M Jan 21, 2020 CE 1 2 3 4 5 6	Frequency	/
			PNO: Wide 🖵 FGain:Low	Trig: Free Atten: 36			MI	۳۲ □ دr1 849.4		Auto T	une
10 dB/div Log	Ref 25.00 di	Bm						-22.	85 dBm		
15.0										Center I 849.000000	
-5.00	north of the second	********	~~~~~~							Start F 843.000000	
-15.0				h	1	~~~~~~			DL1 -13.00 dBm	Stop F 855.000000	
-35.0								- Marine	Sor and a second second	CF \$ 1.200000 <u>Auto</u>	
-45.0										Freq Of	f fset 0 Hz
-65.0										Scale T	уре
Center 84 #Res BW	9.000 MHz 150 kHz		#VBW	470 kHz			Sweep	Span 1 1.000 ms	2.00 MHz (1001 pts)	Log	Lin
MSG							STATU	JS			

Plot 7-184. Upper Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

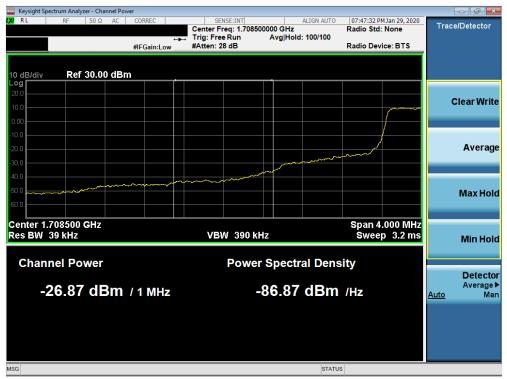
FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 110 of 007	
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Band 66/4



Plot 7-185. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)



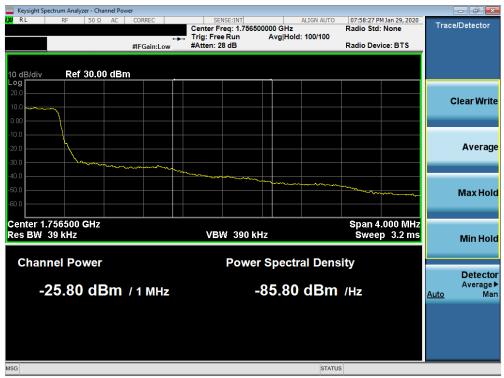
Plot 7-186. Lower Extended Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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Keysight Spectrum Analyzer - Swept SA					
XX RL RF 50Ω AC			#Avg Type: RMS	07:58:15 PM Jan 29, 2020 TRACE 1 2 3 4 5 TYPE A WWWW	6 Frequency
10 dB/div Ref 25.00 dBm	PNO: Wide Irig: Fr IFGain:Low Atten: 3		Mkr	1 1.755 004 GH -29.810 dBn	Auto Tune
15.0					Center Freq 1.755000000 GHz
-5.00				DL1 -13.00 dB	Start Freq 1.753000000 GHz
-15.0		1			Stop Freq 1.757000000 GHz
-35.0			mm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Step 400.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.755000 GHz #Res BW 16 kHz	#VBW 56 kHz		Sweep	Span 4.000 MH 5.667 ms (1001 pts	2
MSG			STAT		

Plot 7-187. Upper Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)



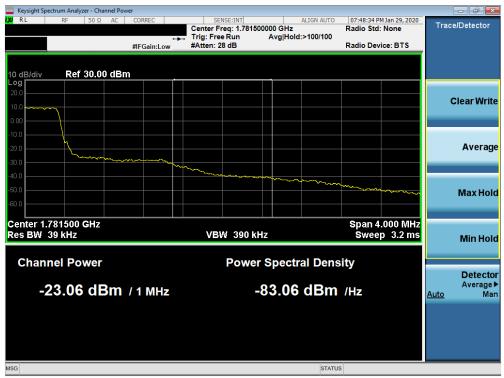
Plot 7-188. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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	m Analyzer - Swept SA									
lxu RL F	RF 50 Ω AC	CORREC	.	SE:INT	#Avg Typ	e: RMS	TRAC	M Jan 29, 2020 DE 1 2 3 4 5 6 DE A WWWWW	Fr	requency
10 dB/div Re	ef 25.00 dBm	PNO: Wide ↔ IFGain:Low	Atten: 36			Mkr1	DE 1.780 0	04 GHz 23 dBm		Auto Tune
15.0										Center Freq 0000000 GHz
-5.00		<u>~~~~~~~~</u>						DL1 -13.00 dBm	1.77	Start Freq 8000000 GHz
-15.0				1					1.78	Stop Freq 2000000 GHz
-35.0					www.www	- Maria	in how	mmgrza	<u>Auto</u>	CF Step 400.000 kHz Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 1.780 #Res BW 15		#VBW	56 kHz			Sweep (Span 4 6.267 m <u>s (</u>	.000 MHz (1001 pts)	Log	Lin
MSG						STATU				

Plot 7-189. Upper Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-190. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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PNO: Wide Trig: Free Run IFGain:Low Trig: Free Run Atten: 36 dB Trig: Free Run Der ANNNNN Trig: Free Run Der ANNNNN Auto Tune 0 dB/div Ref 25.00 dBm -27.158 dBm -27.158 dBm Center Freq 1.71000000 GHz 500		ectrum Analyzer - Swept SA						
If Gain:Low Atten: 36 dB Det ANNUN Mkr1 1.709 988 GHz -27.158 dBm Auto Tune 0 dB/div Ref 25.00 dBm -27.158 dBm 150 -27.158 dBm -27.158 dBm 160 -27.158 dBm -27.158 dBm 17.000000 GHz -27.159 dBm -27.159 dBm <td>LXVI RL</td> <td>RF 50 Ω AC</td> <td>CORREC</td> <td></td> <td>#A\</td> <td></td> <td>TRACE 1 2 3 4 5 6</td> <td>Frequency</td>	LXVI RL	RF 50 Ω AC	CORREC		#A\		TRACE 1 2 3 4 5 6	Frequency
Odd Ziriv Ref 25.00 dBm -27.158 dBm 0 -27.158 dBm -27.158 dBm 150 -27.158 dBm -27.158 dBm 500 -21.1300dBm -21.1300dBm 510 -21.1300dBm -21.130					n			
Center Freq Center Step Auto Man Freq Offset O Hz Seale Type Log Lin	10 dB/div	Ref 25.00 dBm	ı			Mkr1	1.709 988 GHz -27.158 dBm	Auto Tune
Start Freq 1.70800000 GHz 1.71200000 GHz 1.71200000 GHz 1.71200000 GHz 1.71200000 GHz 1.71200000 GHz CF Step 400.000 kHz Auto Man Freq Offset 0 Hz Scale Type Log Lin	15.0							•
150 1	-5.00					₩ <u>~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		•
Store	-15.0							
55.0 Freq Offset 0 Hz Scale Type Center 1.710000 GHz Span 4.000 MHz	-35.0	v	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					400.000 kHz
Center 1.710000 GHz Scale Type	-55.0							-
	-65.0							
#VBW 120 KH2 Sweep 2.000 His (1001 pts)			#\/BIA	120 647		Swoon		
SG STATUS	#Res DW	JU KHZ	#VDVV	120 KHZ				

Plot 7-191. Lower Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)



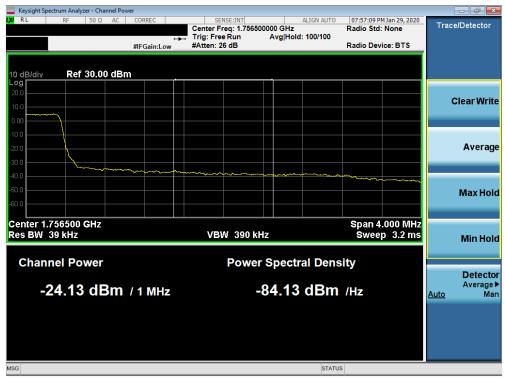
Plot 7-192. Lower Extended Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ctrum Analyzer - Sv										
L <mark>XI</mark> RL	RF 50 S	AC AC	CORREC		NSE:INT	#Avg Typ	ALIGN AUTO	TRAC	M Jan 29, 2020 E 1 2 3 4 5 6	F	equency
	B-6.05.00	-1 D	PNO: Wide ↔ IFGain:Low	Atten: 36			Mkr1				Auto Tune
10 dB/div Log	Ref 25.00	dBm						-01.7			Center Freq 5000000 GHz
-5.00	<u> </u>		~							1.75	Start Freq 3000000 GHz
-15.0					1				DL1 -13.00 dBm	1.75	Stop Freq 7000000 GHz
-35.0				V		1	~~~~~	h	~~~~~	<u>Auto</u>	CF Step 400.000 kHz Man
-55.0											Freq Offset 0 Hz
-65.0	255000 GHz							Snan 4	.000 MHz	Log	Scale Type Lin
#Res BW			#VB\	V 130 kHz			Sweep 2	5pan 4 2.000 ms (1001 pts)	_	200
MSG							STATU				

Plot 7-193. Upper Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)



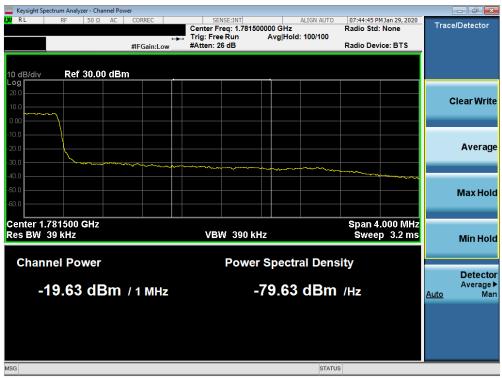
Plot 7-194. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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	ectrum Analyzer - Swe									_	
LXI RL	RF 50 Ω	AC	CORREC		ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRAC	M Jan 29, 2020 E 1 2 3 4 5 6	Fr	equency
10 dB/div	Ref 25.00 c	lBm	PNO: Wide ↔ IFGain:Low	→ Trig: Free Atten: 36			Mkr1	DE 1.780 0	04 GHz 84 dBm		Auto Tune
15.0											Center Freq 0000000 GHz
-5.00		<u>~~</u> ~							DL1 -13.00 dBm	1.77	Start Freq B000000 GHz
-15.0					1					1.78	Stop Freq 2000000 GHz
-35.0						·////	~~~~~	-^		<u>Auto</u>	CF Step 400.000 kHz Man
-55.0											F req Offset 0 Hz
-65.0											Scale Type
Center 1. #Res BW	780000 GHz 36 kHz		#VBW	/ 120 kHz			Sweep 2	Span 4 2.000 ms (.000 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATUS				

Plot 7-195. Upper Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)



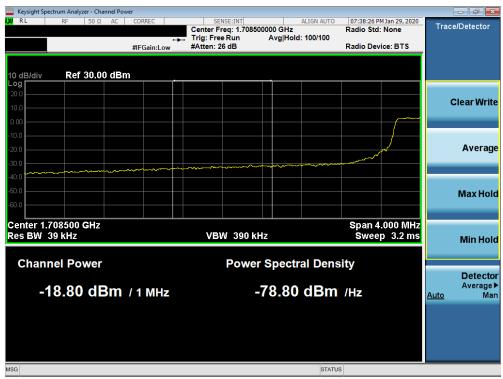
Plot 7-196. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	<u> PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analyzer - Swep						
LXVI RL	RF 50 Ω	AC CORREC	SENSE:I		ALIGN AUTO	07:38:07 PM Jan 29, 2020 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide ↔ IFGain:Low	Trig: Free Ru Atten: 36 dB	n		DET A NNNN	Auto Tuno
10 dB/div Log	Ref 25.00 dE	3m			Mkr1	1.709 992 GHz -21.792 dBm	Auto Tune
15.0							Center Freq 1.710000000 GHz
-5.00						DL1 -13 00 dBm	Start Freq 1.708000000 GHz
-15.0			1				Stop Freq 1.712000000 GHz
-35.0							CF Step 400.000 kHz <u>Auto</u> Man
-55.0							Freq Offset 0 Hz
-65.0							Scale Type
Center 1. #Res BW	710000 GHz	-#\/D\	V 220 kHz		Euroon 1	Span 4.000 MHz	Log <u>Lin</u>
	OZ KHZ	#VBI	V ZZU KHZ			.000 ms (1001 pts)	
MSG					STATUS	5	

Plot 7-197. Lower Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)



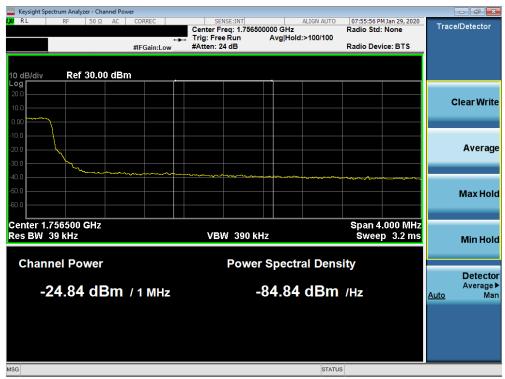
Plot 7-198. Lower Extended Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analyzer - Swept SA						
L <mark>XI</mark> RL	RF 50 Ω A(SENSE:I	#A\	g Type: RMS	07:55:38 PM Jan 29, 2020 TRACE 1 2 3 4 5 TYPE A WWWW	Frequency
10 dB/div Log	Ref 25.00 dBn	PNO: Wide ↔ IFGain:Low	Atten: 36 dB		Mkr1	1.755 004 GHz -30.905 dBm	Auto Tune
15.0							Center Freq 1.755000000 GHz
-5.00						DL1 -13.00 dBr	Start Freq 1.753000000 GHz
-15.0							Stop Freq 1.757000000 GHz
-35.0				m.m.m.am	ton to a form		CF Step 400.000 kHz <u>Auto</u> Man
-55.0							Freq Offset 0 Hz
-65.0	755000 GHz					Span 4.000 MHz	Scale Type
#Res BW		#VBW	220 kHz		Sweep 2	Span 4.000 MH2 2.000 ms (1001 pts	
MSG					STATU		

Plot 7-199. Upper Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)



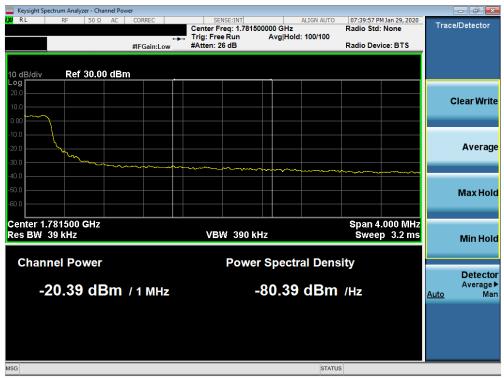
Plot 7-200. Upper Extended Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 404 at 007
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	Portable Handset		Page 124 of 237
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PNO: Wide Trig: Free Run IFGain:Low Trig: Free Run Atten: 36 dB Trig: Free Run Trig: Free Run Atten: 36 dB Trig: Free Run Atten: 36 dB	Keysight Spectrum Ar										
Instruction Atten: 36 dB Det ANNUN Mkr1 1.780 008 GHz Auto Tune 10 dB/div Ref 25.00 dBm -22.378 dBm 150 -22.378 dBm -22.378 dBm 150 -22.378 dBm -22.378 dBm 500 -22.378 dBm -22.378 dBm 510 -22.378 dBm -22.378 dBm 52.000 MHz -22.378 dBm -22.378 dBm 52.000 MHz -22.378 dBm -22.378 dBm 52.000 MHz -22.378 dBm -22.378 dBm <td>LX/RL RF</td> <td>50 Ω AC</td> <td>CORREC</td> <td></td> <td></td> <td></td> <td></td> <td>TRAC</td> <td>E 1 2 3 4 5 6</td> <td>Fr</td> <td>equency</td>	LX/RL RF	50 Ω AC	CORREC					TRAC	E 1 2 3 4 5 6	Fr	equency
INKET 1.780 0008 GH2 10 dB/div Ref 25.00 dBm -22.378 dBm 500 -21.1300dm -21.1300dm 10 dB/div			PNO: Wide +++-					TYF			
150 Center Freq 500 Center Freq	10 dB/div Ref	25.00 dBm					Mkr1	1.780 0 -22.3	08 GHz 78 dBm		Auto Tune
500 0	15.0										•
150 1	-5.00								DI 1, 12:00 dBm	1.77	•
350 0 350 0 400.000 kHz 450 0 400.000 kHz 450 0 400.000 kHz 650 0 500 0 650 0 </td <td>-15.0</td> <td></td> <td></td> <td>h</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1.78</td> <td></td>	-15.0			h	1					1.78	
650 Freq Offset 650 B 650 B 650 B Center 1.780000 GHz \$Scale Type #Res BW 62 kHz \$Sweep 2.000 ms (1001 pts)	-35.0				" Money	·····	~~~~~.	www.	m.	<u>Auto</u>	400.000 kHz
Center 1.780000 GHz #Res BW 62 kHz #VBW 220 kHz Sweep 2.000 ms (1001 pts)	-45.0										•
BW 62 kHz #VBW 220 kHz Sweep 2.000 ms (1001 pts)	-65.0										
			#\(B\M	220 kH=			Puro on - f	Span 4	.000 MHz	Log	Lin
		2	#VBW	220 KHZ					1001 pts)		

Plot 7-201. Upper Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-202. Upper Extended Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	D 405
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	trum Analyzer - Swept SA									
LXI RL	RF 50 Ω AC	CORREC		SE:INT	#Avg Typ	ALIGN AUTO	TRAC	I Jan 29, 2020 E 1 2 3 4 5 6	Fr	equency
		PNO: Wide ↔ IFGain:Low	, Trig: Free Atten: 36			Mkr1	DE	92 GHz		Auto Tune
10 dB/div Log	Ref 25.00 dBm						-25.18	35 dBm		
15.0										Center Freq 0000000 GHz
-5.00						Apresident and and a second second	anapara-497 barra	Annan an	1.70	Start Freq 6000000 GHz
-15.0				1				DL1 -13.00 dBm	1.71	Stop Freq 4000000 GHz
-35.0	and the second of the second	and and a start of the start of	Anna an						<u>Auto</u>	CF Step 800.000 kHz Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 1.71 #Res BW 1		#\/B\A	/ 430 kHz			Swoon_4	Span 8. .000 ms (000 MHz	Log	Lin
#Res DW T	20 862	#VDV	7450 KHZ			Sweep 4		roor pisj		

Plot 7-203. Lower Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)



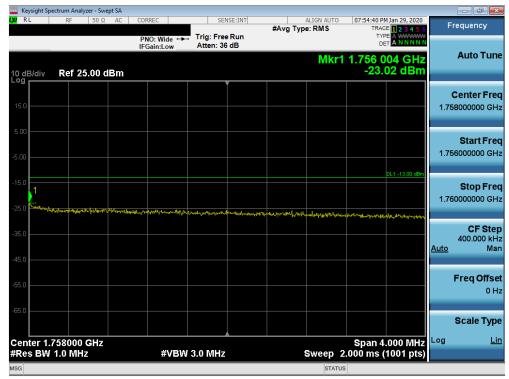
Plot 7-204. Lower Extended Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 100 of 007
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	Portable Handset		Page 126 of 237
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PNO: Wide Trig: Free Run (FGain:Low) Trig: Free Run Atten: 36 dB Mkr1 1.755 016 GHz -31.928 dBm Center Freq 1.75500000 GHz 100 dB/div Ref 25.00 dBm		ectrum Analyzer - Swept SA									
PNO: Wide Trig: Free Run Atten: 36 dB Trig: Free Run Atten: 36 dB Auto Tune 10 dB/div Ref 25.00 dBm -31.928 dBm Center Freq 150 -31.928 dBm -31.928 dBm Start Freq 175000000 GHz -31.928 dBm -31.928 dBm Start Freq 175000000 GHz -31.928 dBm -31.928 dBm -31.928 dBm 140 -31.928 dBm -31.928 dBm -31.928 dBm -31.928 dBm 150 -31.928 dBm -31.928 dBm -31.928 dBm -31.928 dBm -31.928 dBm 150 -31.928 dBm -3	L <mark>XI</mark> RL	RF 50 Ω AC	CORREC			#Avg Typ		TRAC	E 1 2 3 4 5 6	Fi	requency
INKLT 1.755 0108 GHZ Center Freq 10 dB/div Ref 25.00 dBm -31.928 dBm 500 -31.928 dBm -31.928 dBm 10 dB/div -31.928 dBm -31.928 dBm 500 -31.928 dBm -31.928 dBm 10 dB/div -31.928 dBm -31.928 dBm 500 -31.928 dBm -31.928 dBm 500 <th></th> <th></th> <th>PNO: Wide ++- IFGain:Low</th> <th></th> <th></th> <th></th> <th></th> <th>TYF DE</th> <th></th> <th></th> <th></th>			PNO: Wide ++- IFGain:Low					TYF DE			
150 Center Freq 500 Start Freq 500 0.1 - 1500000 GHz 500 0.1 - 150000 GHz 500 0.1 - 15000 GHz 500 0.1 - 10000 GHz	10 dB/div	Ref 25.00 dBm					Mkr	-31.9	16 GHz 28 dBm		Auto Tune
500 0											•
160 Stop Freq 250 Stop Freq 360 Stop Freq 360 Stop Freq 450 Stop Freq <td< td=""><td>-5.00</td><td></td><td>ana an ing ang ang ang ang ang ang ang ang ang a</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.75</td><td>•</td></td<>	-5.00		ana an ing ang ang ang ang ang ang ang ang ang a							1.75	•
350 350 360 <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>DET -13.00 dBm</td> <td>1.75</td> <td></td>					1				DET -13.00 dBm	1.75	
650 Freq Offset 650 B 650 B 650 B Center 1.755000 GHz #VBW 430 kHz Span 8.000 MHz Freq Offset 0 Hz Freq Offset 0 Hz 0 Hz 1 Hz				'₩ _N ,	lever and a second as	and and a second se	૯ન્ <i>] ⁴ન્⁹ન્ટુ મળ્યુ સ્ટ્રા</i> વેલ્લક	᠕ᡣᠹᡟᢪᡣᡡᠬ᠕ᠬᡏᢜᡁᡘᠬ	haventracher	<u>Auto</u>	800.000 kHz
Center 1.755000 GHz #Res BW 120 kHz #VBW 430 kHz Sweep 4.000 ms (1001 pts)											-
Bit is the second of	-65.0										
			#\/B\M	120 kHz			Swoon	Span 8	.000 MHz	Log	Lin
	#Res BW	120 KH2	#VDVV	450 KHZ					TOOT PLS)		

Plot 7-205. Upper Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)



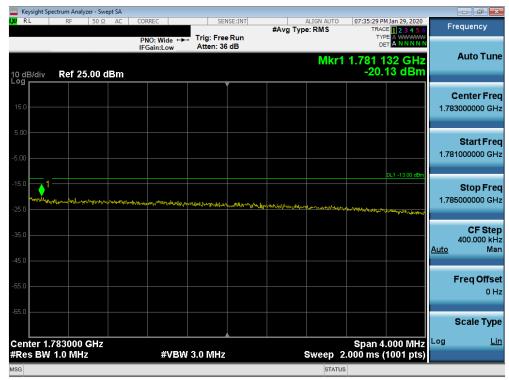
Plot 7-206. Upper Extended Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 107 of 007
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	ectrum Analyzer - Swept S								_	
LX// RL	RF 50 Ω A	C CORREC		ISE:INT	#Avg Typ	ALIGN AUTO	TRAC	MJan 29, 2020 E 1 2 3 4 5 6	Fr	equency
		PNO: Wide ↔ IFGain:Low	Trig: Free Atten: 36				TYF			Auto Tune
10 dB/div Log	Ref 25.00 dBr	n				MKr'I	1.780 0 -27.5	40 GHZ 04 dBm		
15.0										Center Freq
									1.78	0000000 GHz
5.00	ىرىمەنتىرىمەنتىرىمەنتىكىيەر يەكىمەنىيەر يەكىمەن يەكىمەن يەكىمەن يەكىمەن يەكىمەن يەكىمەن يەكىمەن يەكىمەن يەكىمە يەكىمەن يەكىمەن	_ <u></u>								Start Freq
-5.00								DL1 -13.00 dBm	1.77	6000000 GHz
-15.0			ų,					DET -13.00 UBII		Stop Freq
-25.0			^L W	1					1.78	4000000 GHz
-35.0				· May particula	and the state of the	an and a star a st	allow the representation	 ՟՟՟ֈֈՠֈՠֈՠֈՠֈֈՠֈֈՠֈֈՠֈֈՠֈֈՠֈֈՠֈֈՠֈֈՠֈՠֈՠֈՠֈ		CF Step 800.000 kHz
-45.0									<u>Auto</u>	Man
-55.0									I	Freq Offset
-65.0										0 Hz
-03.0										Scale Type
	780000 GHz							.000 MHz	Log	<u>Lin</u>
#Res BW	120 kHz	#VBW	430 kHz			Sweep 4	.000 ms (1001 pts)		
MSG						STATUS	5			

Plot 7-207. Upper Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)



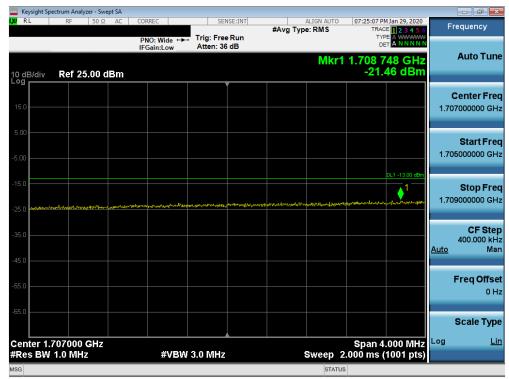
Plot 7-208. Upper Extended Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 400 af 007
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	Portable Handset		Page 128 of 237
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PNO: Wide Trig: Free Run Atten: 36 dB #Avg Type: RMS Trace I 254 as Tree Units Det Attent 36 dB Frequency 0 dB/div Ref 25.00 dBm -27.542 dBm Auto Tune 0 g		ectrum Analyzer - Swept SA								
Atten: 36 dB Mkr1 1.709 983 GHz -27.542 dBm Atto Tune Atto Tune Center Freq 1.71000000 GHz Start Freq 1.71600000 GHz CF Step 1.20000 MHz Atto Tune Center Freq 1.71600000 GHz Freq Offset 0 Hz Sweep 1.000 ms (1001 pts)	X/RL	RF 50 Ω AC	CORREC				TRAC	E 1 2 3 4 5 6	Fre	quency
00 00 <td< th=""><th></th><th></th><th>IFGain:Low</th><th></th><th></th><th>Mkr1</th><th>1.709 9</th><th>88 GHz</th><th></th><th>Auto Tune</th></td<>			IFGain:Low			Mkr1	1.709 9	88 GHz		Auto Tune
150 500 500 500 500 500 500 500	10 dB/div Log	Ref 25.00 dBm				1	-27.5	42 dBm		
500 Start Freq 150 DL1:1300@HZ 150 DL1:1300@HZ 500 DL1:1300 500 DL	15.0									
150 1	-5.00					 <u>Astan an a</u>	aandiaanafe	<u></u>		•
35.0 CF Step 45.0 1.200000 MHz 45.0 Man 65.0 Freq Offset 66.0 Scale Type Center 1.710000 GHz Syme p 1.000 ms (1001 pts)	-15.0				1			DL1 -13.00 dBm		
550 EFreq Offset 0 Hz Center 1.710000 GHz #Res BW 180 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts)	-35.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m						200000 MHz
Center 1.710000 GHz #Res BW 180 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts)	-55.0								F	•
Bit Market Strength Strengt Strength Strength	-65.0								S	Scale Type
			41) (1514)	600 kile			Span 1	2.00 191112	Log	Lin
		180 KHZ	#VBW	620 KHZ				TOUT pts)		

Plot 7-209. Lower Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-210. Lower Extended Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🔁 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 100 of 007
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	Portable Handset		Page 129 of 237
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PNO: Wide Trig: Free Run IFGain:Low #Avg Type: RMS TRACE TYPE 234 5 TYPE Frequency 0 dB/div Ref 25.00 dBm 0	ectrum Analyzer - Swept SA		
Price wide Atten: 36 dB Dert & INININ Mkr1 1.755 048 GHz -34.062 dBm Auto Tu 0 dB/div Ref 25.00 dBm -34.062 dBm 15.0	RF 50 Ω AC C	۱L	XI RI
Mikr1 1.753 048 GHz 0 dB/div Ref 25.00 dBm 9 -34.062 dBm 150 -34.062 dBm 500 -1 150 -1 10 -1 11 -1 12 -1 13 -1 14 -1 150 -1 150 -1 150 -1			
Image: Start Fr Image: Start Fr 15.0 Image: Start Fr 17.761000000 G Image: Start Fr 17.76100000 G Image: Start Fr 17.7610000 G Image: Start Fr 17.761000 G Image: Start Fr 17.76100 G Image: Start Fr	Ref 25.00 dBm	IB/div	10 dE Log r
Start Fr 5.00 0L1-13.00 dem 55.0 0L1-13.00 de			15.0
15.0 Stop Fr 1.76100000 G CF St	and Connerson and a day of		5.00 -5.00
			-15.0
Auto N			-35.0
FreqOff			-40.0
Scale Ty			-65.0
renter 1.755000 GHz			
		5 DW 1	MSG

Plot 7-211. Upper Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-212. Upper Extended Band Edge Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 120 of 227
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	Portable Handset		Page 130 of 237
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PNO: Wide Trig: Free Run Atten: 36 dB #Avg Type: RMS Trig: Tree D 2 4 4 5 Tree D		ectrum Analyzer - Swept SA								
Atten: 36 dB Mkr1 1.780 084 GHz -29.792 dBm Center Freq 1.7800000 GHz Eventer 1.780000 GHz Res BW 180 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts) Atten: 36 dB Mkr1 1.780 084 GHz -29.792 dBm Auto Tune Auto Tune Auto Tune Auto Tune Auto Tune Center Freq 1.77400000 GHz Start Freq 1.7740000 GHz System 1.000 ms (1001 pts) Center J.780000 GHz	X/RL	RF 50 Ω AC	CORREC				TRAC	E 1 2 3 4 5 6	Free	quency
Mikr 1, 780 084 CH2 Center Freq -29.792 dBm -29.792 dBm -60 -29.792 dBm -50 -1.77400000 dHz -50 -1.798000 dHz -50 -1.798000 dHz -50 -1.798000 dHz -50 -1.7880000 GHz -50 -1.7880000 GHz -50 -1.7880000 GHz										
150 Center Freq 1.78000000 GHz 500 Center Freq 1.78000000 GHz 500 Center Freq 1.77400000 GHz 500 Start Freq 1.780000 GHz 500 Start Freq 1.20000 MHz 500 Start Freq 1.20000 MHz 500 Start Freq 1.20000 MHz 500 Start Freq 1.20000 MHz 500 Start Freq 1.20000 Mz 500 Start Freq 1.2000 Mz 500 Start Freq 1.2000 Mz 500 Start Freq 1.2000 Mz 500 Start Freq 1.2000 Mz	10 dB/div Log r	Ref 25.00 dBm				Mkr1	1.780 0 -29.7	92 dBm		Auto Tune
Start Freq Start	15.0									
Stop Freq 1.78600000 GHz Stop Freq 1.7860000 GHz Stop Freq 1.78600000 GHz Stop Freq 1.786000000000000000000000000000000000000	5.00	an san ah an	میں ہونے ہوتی ہے۔ وہ اکار ہوتے ہوت <mark>ہ اکار ہو</mark> ۔ م							•
250 200 2	-15.0			h	<u> </u>					
550 Freq Offset 550 Freq Offset 550 Scale Type Senter 1.780000 GHz System 12.00 MHz Res BW 180 kHz #VBW 620 kHz	-35.0			** 1 L,	· · · · · · · · · · · · · · · · · · ·	 hanna	mm	the way		CF Step 200000 MHz Man
enter 1.780000 GHz Res BW 180 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts)	-40.0								F	r eq Offset 0 Hz
Res BW 180 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts)	-65.0									
			#\/B\M	620 kHz		Swoon 1		2.00 101112	Log	Lin
			#VDVV	020 KH2				roor pis)		

Plot 7-213. Upper Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-214. Upper Extended Band Edge Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dava 404 at 007
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	Portable Handset		Page 131 of 237
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	ectrum Analyzer - Swep									
L <mark>XI</mark> RL	RF 50 Ω	AC CORREC		NSE:INT	#Avg Type	ALIGN AUTO e: RMS	07:09:57 PM Ja TRACE	23456	Frequen	су
		PNO: V IFGain:	/ide ↔ Trig: Fre Low Atten: 30				TYPE DET	N N N N N	Auto	Tune
10 dB/div Log	Ref 25.00 di	Зm				Mkr1	1.709 93 -29.327	6 GHz ′ dBm	Auto	Tune
15.0									Center 1.71000000	
-5.00						a pian akan dan dan dan da	to	yh.p==a, and , hys.	Star 1.70200000	t Freq 00 GHz
-15.0				1				-13.00 dBm	Stop 1.71800000) Freq 00 GHz
-35.0	man har and a second	man and a second	······						CF 1.60000 <u>Auto</u>	Step 0 MHz Man
-55.0									Freq	Offset 0 Hz
-65.0									Scale	
Center 1. #Res BW	710000 GHz		#VBW 820 kHz			Suroon 1	Span 16.	00 IVII 12	Log	Lin
	240 KHZ		#VIDW 820 KHZ				.000 ms (10	or pis)		
MSG						STATUS				

Plot 7-215. Lower Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)



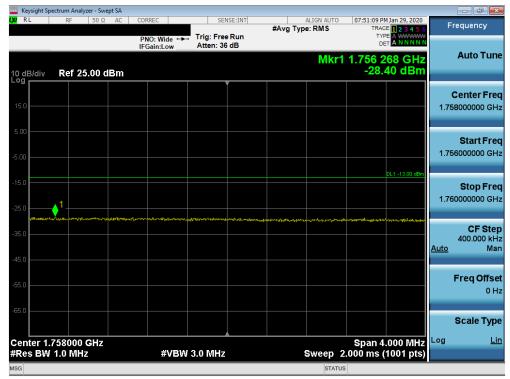
Plot 7-216. Lower Extended Band Edge Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 122 of 227
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NKK1 1.755 016 GHZ 10 dB/div Ref 25.00 dBm -33.941 dBm 150 -33.941 dBm -35.000 150 -500 -500 -500	o Tune er Freq 00 GHz
Atten: 36 dB Mkr1 1.755 016 GHz -33.941 dBm Center 1.7650000 5.00	e r Freq 00 GHz
Nikr1 1.755 Off GHZ .00 dB/div Ref 25.00 dBm -33.941 dBm Center 15.00	e r Freq 00 GHz
15.0 Cente 1.7550000 5.00 Sta	00 GHz
Sta	
5.00 DL1-13.00 dBn	' t Freq 00 GHz
	p Freq 00 GHz
	F Step 00 MHz Man
	Offset 0 Hz
	е Туре
Center 1.755000 GHz Span 16.00 MHz ^{Log} #Res BW 240 kHz #VBW 820 kHz Sweep 1.000 ms (1001 pts)	Lin

Plot 7-217. Upper Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-218. Upper Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 400 at 007	
1M2001130006 - 03.ZNF	01/14/20 - 02/13/20	0 - 02/13/20 Portable Handset		Page 133 of 237	
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PNO: Wide Trig: Free Run Atten: 36 dB #Avg Type: RMS Trace 1 28 4 4 model Frequency 0 dB/div Ref 25.00 dBm Mkr1 1.780 096 GHz -30.479 dBm Auto Tune 0 dB/div Ref 25.00 dBm Center Freq 1.78000000 GHz Center Freq 1.772000000 GHz 500 0 0 0.11300em Center Freq 1.772000000 GHz 500 0 0.11300em Center Freq 1.772000000 GHz Start Freq 1.772000000 GHz 500 0 0 0.11300em Center Freq 1.772000000 GHz 500 0 0 0.11300em Center Freq 1.772000000 GHz 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 500 0 0 0 0 <		ectrum Analyzer - Swept SA									
Atten: 36 dB Mkr1 1.780 096 GHz -30.479 dBm Center Freq 1.7800000 GHz 50 50 50 50 50 50 50 50 50 50	X/RL	RF 50 Ω AC						TRAC	E 1 2 3 4 5 6	Fre	quency
NRKT 1,780 096 GHZ Center Freq -30.479 dBm -30.479 dBm -30 -30.479 dBm -50 -130000 dHz -50 -30.479 dBm -50 -30.479 dBm <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>DE</th><th></th><th></th><th></th></td<>								DE			
150 Center Freq 500 Freq Offset 61 Center Freq 1.500000 GHz Stop Freq 620 Stop Freq 1.500000 GHz Stop Freq 620 Stop Freq 1.500000 GHz Stop Freq	10 dB/div	Ref 25.00 dBm					Mkr1	1.780 0 -30.4	96 GHz 79 dBm		Auto Tune
Start Freq Start Freq Start Freq Start Freq Start Freq Start Freq Start Freq 1.77200000 GHz Start Freq 1.78800000 GHz Start Freq 1.8800000 GHz Start Freq 1.78800000 GHz Start Freq 1.78800000 GHz Start Freq 1.78800000 GHz Start Freq 1.78800000 GHz Start Freq 1.8800000 GHz Start Freq 1.8800000 GHz Start Freq 1.8800000 GHz Start Freq 1.9800000 GHz Start Freq 1.980000 GHz Start Freq 1.9800000 GHz Start Freq 1.98000000 GHz Start Freq 1.980000000 GHz Start										C	enter Freq
Start Freq Start	15.0									1.780	000000 GHz
1000 0t1-1300 dBm 1000<	5.00	๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	and the second								Start Freq
Stop Freq	-5.00									1.772	000000 GHz
25.0 1.78800000 GHz 25.0 1.7880000 GHz 25.0 1.000 ms (1001 pts)	-15.0								DL1 -13.00 dBm		Stop Freq
250 CF Step 25	-25.0				, 1 ———						
Auto 1.60000 MHz 4uto 1.60000 MHz 50 50 50 50 50 50 50 50 50 50				Mr.	homenun	and the second	huma				CF Step
550 Freq Offset 550 Freq Offset 550 Scale Type Scale Type Span 16.00 MHz Log Lin Res BW 240 kHz Sweep 1.000 ms (1001 pts)	-35.0							er war have have have have	monen		600000 MHz
Store St	-45.0										
enter 1.780000 GHz Res BW 240 kHz #VBW 820 kHz Sweep 1.000 ms (1001 pts)	-55.0									F	req Offset 0 Hz
enter 1.780000 GHz Res BW 240 kHz #VBW 820 kHz Sweep 1.000 ms (1001 pts)	-65.0										
Res BW 240 kHz #VBW 820 kHz Sweep 1.000 ms (1001 pts)											
			41/014/	000 kU-			B	Span 1	0.00 10112	Log	Lin
		240 KHZ	#VBW	820 KHZ			Sweep 1		1001 pts)		

Plot 7-219. Upper Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-220. Upper Extended Band Edge Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)

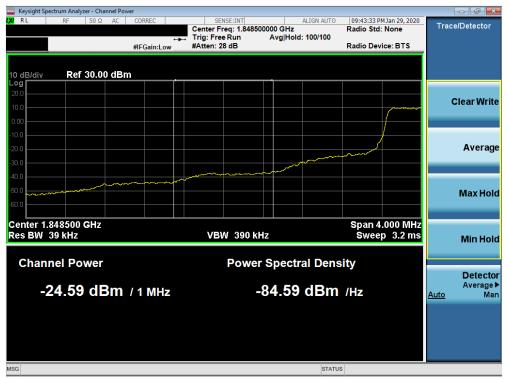
FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dava 404 at 007	
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Band 25/2



Plot 7-221. Lower Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)



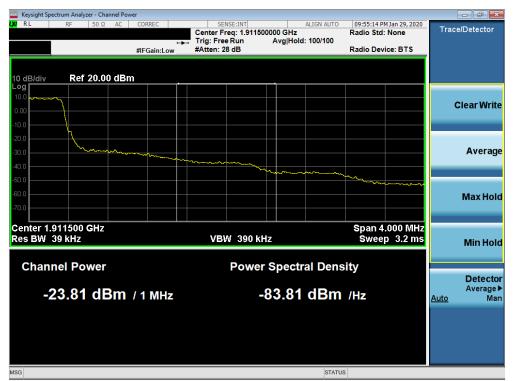
Plot 7-222. Lower Extended Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analyz	er - Swe	pt SA										
XI RL	RF	50 Ω	AC		ide ⊶⊷	Trig: Fre		#Avg T	ALIGN AUTO ype: RMS	TRAC	M Jan 29, 2020 DE 1 2 3 4 5 6 PE A WWWWW ET A N N N N N	F	requency
10 dB/div	Ref 25	.00 d	Bm	IFGain:L	.ow	Atten: 36	6 dB		Mkr1)00 GHz 48 dBm		Auto Tune
15.0													Center Fred 0000000 GH:
5.00				۵ <i>۳۰</i> ۰۳۰۰۲۰۰							DL1 -13.00 dBm	1.90	Start Fre 8000000 GH
25.0		ļ					1					1.91	Stop Fre 2000000 GH
35.0 ~~~~ 45.0 ~~~	~~~~~						www	Mar Carlos	ww	Mum	man hay	<u>Auto</u>	CF Ste 400.000 kH Ma
55.0													Freq Offse 0 H
65.0	910000 (GHz								Span 4	.000 MHz	Log	Scale Typ <u>Li</u>
#Res BW				#	¢VBW	56 kHz			Sweep 5	.667 ms	(1001 pts)		
ISG									STATUS	3			

Plot 7-223. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)



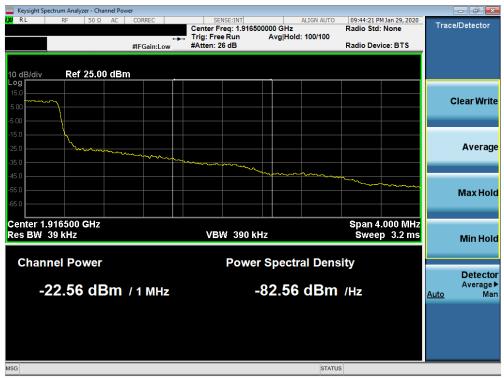
Plot 7-224. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 400 at 007	
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Keysight Spectrum Analyzer - Swept SA					
XIRL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:44:09 PM Jan 29, 2020 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 25.00 dBm	PNO: Wide ↔ IFGain:Low	Trig: Free Run Atten: 36 dB	Mkr1	1.915 004 GHz -28.458 dBm	Auto Tune
15.0					Center Freq 1.915000000 GHz
5.00	wathing have been			DL1 -13.00 dBm	Start Freq 1.913000000 GHz
-15.0		1			Stop Freq 1.917000000 GHz
-35.0				monte	CF Step 400.000 kHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					Scale Type
Center 1.915000 GHz #Res BW 16 kHz	#VBW 5	i6 kHz	Sweep 5	Span 4.000 MHz .667 ms (1001 pts)	Log <u>Lin</u>
MSG			STATUS		

Plot 7-225. Upper Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)



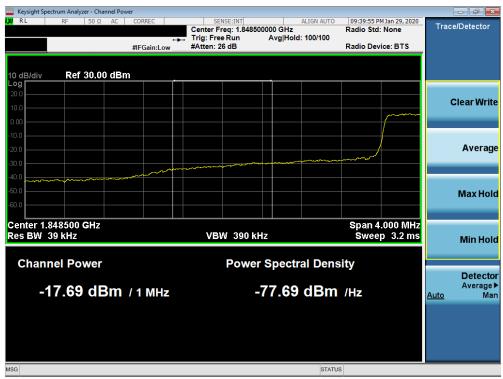
Plot 7-226. Upper Extended Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 407 at 007
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	trum Analyzer - Swept S									
LXU RL	RF 50 Ω /	AC CORREC		ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRAC	I Jan 29, 2020 E 1 2 3 4 5 6	Fr	equency
		PNO: Wide + IFGain:Low	Trig: Free Atten: 36							
10 dB/div Log	Ref 25.00 dB	m				Mkr1	1.849 9 -25.4	96 GHz 12 dBm		Auto Tune
15.0										Center Freq 0000000 GHz
-5.00					<u></u>	×~~~~~	<u></u>		1.84	Start Freq 8000000 GHz
-15.0				1				DL1 -13.00 dBm	1.85	Stop Freq 2000000 GHz
-35.0									<u>Auto</u>	CF Step 400.000 kHz Man
-45.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 1.85 #Res BW 3		#VB	W 120 kHz			Sweep_2	Span 4 .000 ms (.000 191112	Log	<u>Lin</u>
MSG						STATUS		100/		

Plot 7-227. Lower Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)



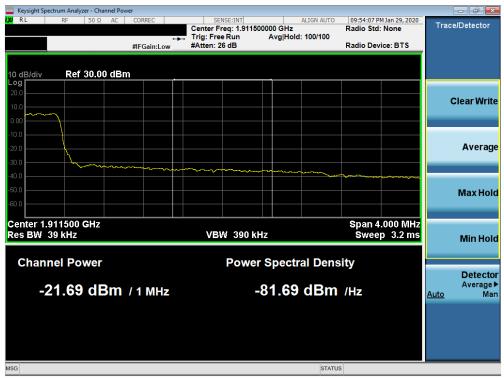
Plot 7-228. Lower Extended Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ctrum Analyzer - Swept SA								
L <mark>XI</mark> RL	RF 50 Ω AC	CORREC	SENS	#	ALIGN Avg Type: RN	IS TRA	PM Jan 29, 2020 CE 1 2 3 4 5 6	Fr	equency
		PNO: Wide ↔ IFGain:Low	 Trig: Free F Atten: 36 d 			۳ ۱ kr1 1.910 -30.7			Auto Tune
10 dB/div Log	Ref 25.00 dBm					-30.7	704 dBm		
15.0									Center Freq 0000000 GHz
-5.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							1.90	Start Freq 8000000 GHz
-15.0				1			DL1 -13.00 dBm	1.91	Stop Freq 2000000 GHz
-35.0			×	<u> </u>	<u>~~~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	www	<u>Auto</u>	CF Step 400.000 kHz Man
-43.0									Freq Offset 0 Hz
-65.0									Scale Type
Center 1.9 #Res BW	10000 GHz 36 kHz	#VBM	/ 130 kHz		Swe	، Span ep 2.000 ms	1.000 IVII 12	Log	<u>Lin</u>
MSG	50 MHZ	#¥614	100 KHZ		Owe	STATUS	(1001 pts)		

Plot 7-229. Upper Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)



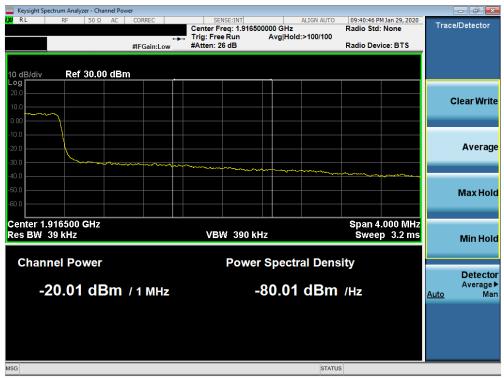
Plot 7-230. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 400 at 007
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	ectrum Analyzer - Swep										
X/RL	RF 50 Ω	AC	CORREC		ENSE:INT	#Avg Ty	ALIGN AUTO	TRAC	1 Jan 29, 2020 E 1 2 3 4 5 6	Fre	equency
			PNO: Wide • IFGain:Low	Trig: Fr Atten: 3				TYP			
10 dB/div Log	Ref 25.00 di	Bm					Mkr1	1.915 0 -28.0	04 GHz 82 dBm		Auto Tune
15.0											enter Freq 000000 GHz
-5.00	<u> </u>								DL1 -13.00 dBm	1.913	Start Freq 000000 GHz
-15.0					1					1.917	Stop Freq 0000000 GHz
-35.0							·/····	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	<u>Auto</u>	CF Step 400.000 kHz Man
-55.0										F	F req Offset 0 Hz
-65.0										ę	Scale Type
Center 1.9 #Res BW	915000 GHz 36 kHz		#VB	W 120 kH	z		Sweep	Span 4 2.000 ms (Log	<u>Lin</u>
MSG							STATU				

Plot 7-231. Upper Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)



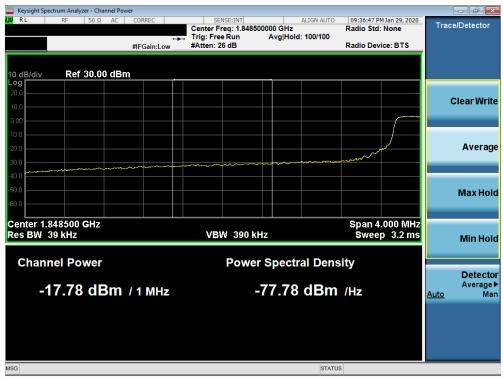
Plot 7-232. Upper Extended Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 440 at 007
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	Analyzer - Swept SA								_	
X/RL R	F 50 Ω AC	CORREC		ISE:INT	#Avg Typ	ALIGN AUTO	TRAC	IJan 29, 2020	Fr	equency
		PNO: Wide ↔ IFGain:Low	Atten: 36				TYP DE			
10 dB/div Re	ef 25.00 dBm					Mkr1	1.849 9 -23.44	96 GHz 44 dBm		Auto Tune
15.0										Center Freq 0000000 GHz
-5.00					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		►	penne den etc.ee	1.84	Start Freq 8000000 GHz
-15.0				1/				DL1 -13.00 dBm	1.85	Stop Freq 2000000 GHz
-35.0									<u>Auto</u>	CF Step 400.000 kHz Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 1.8500 #Res BW 62		#VBW	220 kHz			Sween 2	Span 4. .000 ms (000 19112	Log	Lin
MSG		<i>"</i> • • • • •				STATUS		rear pts)		

Plot 7-233. Lower Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)



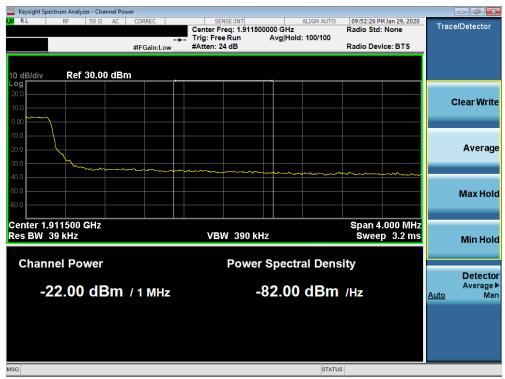
Plot 7-234. Lower Extended Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ectrum Analyzer - Swept SA								_	
X/RL	RF 50 Ω AC	CORREC			#Avg Typ	ALIGN AUTO e: RMS	TRAC	MJan 29, 2020 E 1 2 3 4 5 6 E A WWWWW	F	requency
10 dB/div Log r	Ref 25.00 dBm	PNO: Wide ↔ IFGain:Low	Atten: 36			Mkr1	DE 1.910 0			Auto Tune
15.0										Center Freq 0000000 GHz
-5.00								DL1 -13.00 dBm	1.90	Start Freq 8000000 GHz
-15.0			- h	1					1.91	Stop Freq 2000000 GHz
-35.0			U	h	harrow	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m	<u>Auto</u>	CF Step 400.000 kHz Man
-55.0										Freq Offset 0 Hz
-65.0									Log	Scale Type
Center 1.9 #Res BW	910000 GHz 62 kHz	#VBW	220 kHz			Sweep 2	5pan 4 2.000 m <u>s (</u>	.000 MHz 1001 pts)	LUg	
MSG						STATU	s			

Plot 7-235. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)



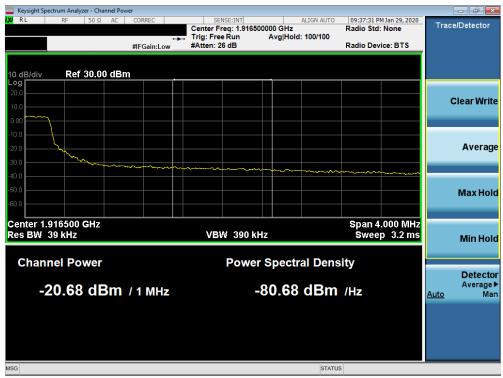
Plot 7-236. Upper Extended Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 440 at 007
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	ectrum Analyzer - Swept SA						-			
LXU RL	RF 50 Ω AC	CORREC PNO: Wide ↔►	. Trig: Free		#Avg Typ	ALIGN AUTO e: RMS	TRAC TYP	MJan 29, 2020 CE 1 2 3 4 5 6 DE A WWWWW	Fr	requency
10 dB/div Log	Ref 25.00 dBm	IFGain:Low	Atten: 36	dB		Mkr1	1.915 0	04 GHz 41 dBm		Auto Tune
15.0										Center Freq 5000000 GHz
-5.00		Mr						DL1 -13.00 dBm	1.91	Start Freq 3000000 GHz
-15.0			hu hu	1					1.91	Stop Freq 7000000 GHz
-35.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		·····	ulor of the second s	·····	<u>Auto</u>	CF Step 400.000 kHz Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 1.9 #Res BW	915000 GHz 62 kHz	#VBW	220 kHz		:	Sweep 2	9 Span 2.000 ms (.000 MHz 1001 pts)	Log	Lin
MSG						STATU				

Plot 7-237. Upper Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)



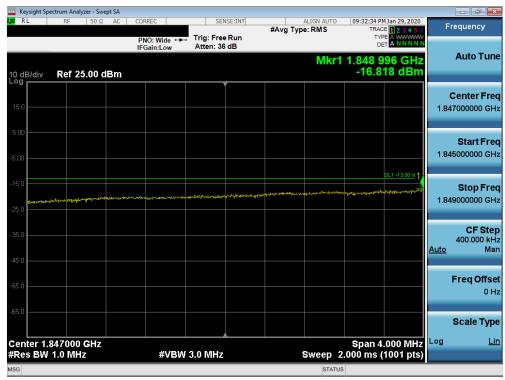
Plot 7-238. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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Keysight Spectrum Analyzer - Swept SA					
RL RF 50Ω AC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:32:15 PM Jan 29, 2020 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide ++++ IFGain:Low	Trig: Free Run Atten: 36 dB			
0 dB/div Ref 25.00 dBm			Mkr1	1.849 920 GHz -24.094 dBm	Auto Tune
15.0					Center Freq 1.85000000 GHz
5.00			aya aya maya da saya d	98299999999999999929999999999999999999	Start Freq 1.846000000 GHz
25.0	Jaynoland jacofaurthilasson of the			DL1 -13.00 dBm	Stop Freq 1.854000000 GHz
36.0	Jahon Lander Lander Lander Lander				CF Step 800.000 kHz <u>Auto</u> Man
56.0					Freq Offset 0 Hz
65.0					Scale Type
enter 1.850000 GHz Res BW 120 kHz	#VBM	430 kHz	Sween_4	Span 8.000 MHz .000 ms (1001 pts)	Log <u>Lin</u>
	# V D V V	- 1000 MI 112	Jweep 4	.000 ma (1001 pts)	

Plot 7-239. Lower Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)



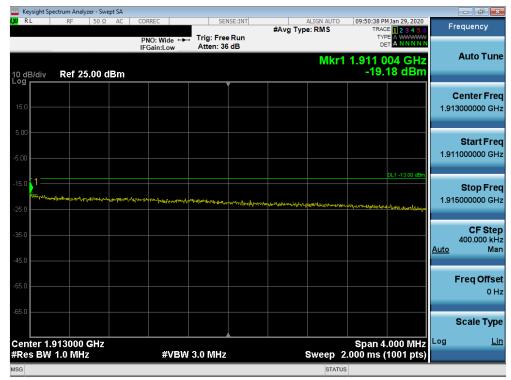
Plot 7-240. Lower Extended Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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	ectrum Analyzer - Swep												
LXVI RL	RF 50 Ω	AC (CORREC		SEN	SE:INT	#Avg	ALIGN A		TRA	M Jan 29, 2020	F	equency
			PNO: Wid IFGain:Lo		Trig: Free Atten: 36			M	lkr1	□ 1.910 (Auto Tune
10 dB/div Log	Ref 25.00 dE	3m								-21.1	32 dBm		
15.0													Center Freq 0000000 GHz
-5.00	****	rhangangan ^{an} Af	***************									1.90	Start Freq 6000000 GHz
-15.0						1					DL1 -13.00 dBm	1.91	Stop Freq 4000000 GHz
-35.0					<u>۳</u> ۰۸	the manual when	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	********************	un ann ann ann ann ann ann ann ann ann a	and a second	and and an an a part of the second	<u>Auto</u>	CF Step 800.000 kHz Man
-45.0													Freq Offset 0 Hz
-65.0													Scale Type
	910000 GHz			<i></i>						Span 8	.000 MHz	Log	<u>Lin</u>
#Res BW	120 kHz		#\	/BW 4	30 kHz					000 ms	(1001 pts)		
MSG								:	STATUS				

Plot 7-241. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-242. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFQ730TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	💽 LG	Approved by: Quality Manager
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