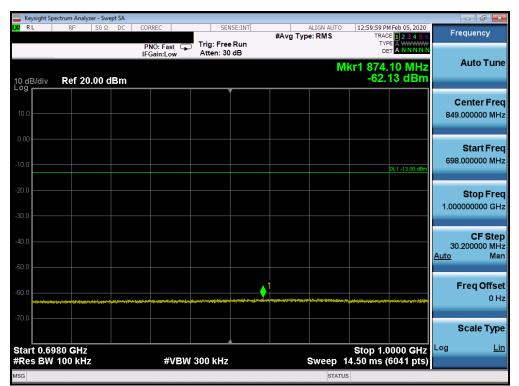


## Band 71



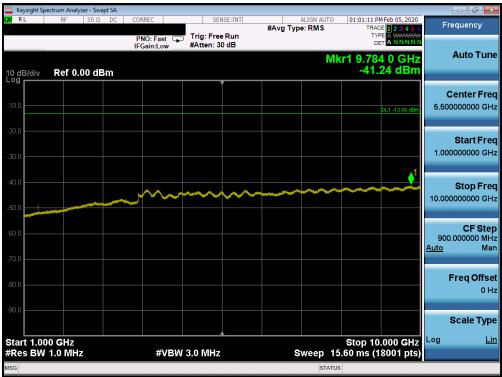
Plot 7-94. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-95. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 66 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 66 of 213
© 2020 PCTEST		•		V 9 0 02/01/2019





Plot 7-96. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-97. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 67 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 67 of 213
© 2020 PCTEST			V 9.0 02/01/2019



	ectrum Analyzer - Swept						
LXU RL	RF 50 Ω	DC CORREC	SENSE:IN	T #Avg Typ	ALIGN AUTO e: RMS	12:58:45 PM Feb 05, 2020 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB			TYPE A WWWWW DET A NNNNN	Auto Tune
10 dB/div Log	Ref 20.00 dE	Sm			M	r1 905.65 MHz -62.00 dBm	Auto Tune
							Center Freq
10.0							849.000000 MHz
0.00							Start Freq
-10.0						DL1 -13.00 dBm	698.000000 MHz
-20.0							Stop Freq
-30.0							1.000000000 GHz
-40.0							CF Step
							30.200000 MHz <u>Auto</u> Man
-50.0					1		Erog Offect
-60.0	ويتفاسر فيلوديه المحمد والمعوير فالر	antaphanajaranta <sub>a</sub> arin'a jetakanana <sup>n</sup> iaranji	a da amani pajla ka sa ata ya dhi da aliya ya daga firayi di		l Annextingueting-superview	****	Freq Offset 0 Hz
-70.0							Scale Type
Start 0.69	90 CH-					Stop 1.0000 GHz	Log <u>Lin</u>
#Res BW		#VE	W 300 kHz		Sweep 14	4.50 ms (6041 pts)	
MSG					STATUS		

Plot 7-98. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



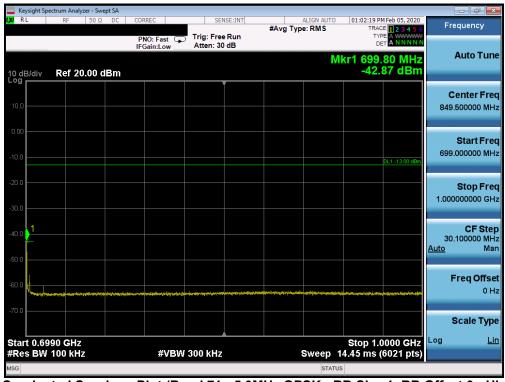
Plot 7-99. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 69 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 68 of 213
© 2020 PCTEST			V 9.0 02/01/2019



			lyzer - Swej	pt SA											
IXI RI		RF	50 Ω	DC	CORREC		SEN	SE:INT	#Ava	ALIGN AU Type: RMS	ITO		M Feb 05, 2020 DE 1 2 3 4 5 6	Fr	equency
					PNO: Fa IFGain:L	ow	Trig: Free Atten: 30			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		TY D			A
10 dE Log	3/div	Ref 2	0.00 d	Bm							Mk	r1 661. -62.	.55 MHz 55 dBm		Auto Tune
10.0															<b>Center Freq</b> .500000 MHz
-10.0													DL1 -13.00 dBm	30	Start Freq .000000 MHz
-20.0 -30.0														663	<b>Stop Freq</b> .000000 MHz
-40.0														63 <u>Auto</u>	<b>CF Step</b> .300000 MHz Man
-60.0									an gala an air ai prìod			u <del>na ang sakata sa N</del> a	1 	<b>_</b>	F <b>req Offset</b> 0 Hz
-70.0															Scale Type
	t 30.0 s BW 1		łz		#	VBW	300 kHz			Sweep	30.	Stop 6 38 ms (1	63.0 MHz 2661 pts)	Log	<u>Lin</u>
MSG										ST	TATUS				

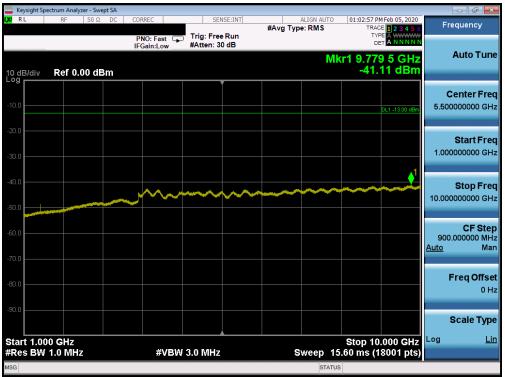
Plot 7-100. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-101. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dara 60 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 69 of 213
© 2020 PCTEST			V 9.0 02/01/2019





Plot 7-102. Conducted Spurious Plot (Band 71 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

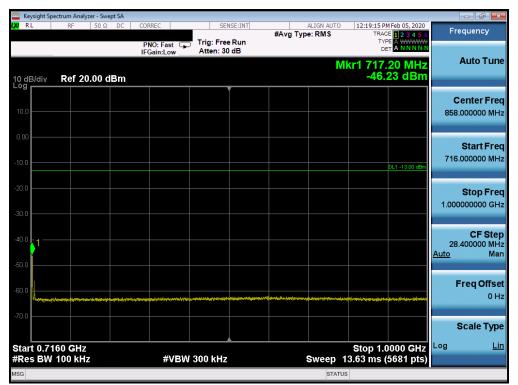
FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 70 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 70 of 213
© 2020 PCTEST			V 9.0 02/01/2019



## Band 12

	ectrum Analyzer - Swept S					
U RL	RF 50 Ω D	PNO: Fast	SENSE:INT Trig: Free Run Atten: 30 dB	ALIGN AUTO #Avg Type: RMS	12:19:07 PM Feb 05, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN	Frequency
0 dB/div	Ref 20.00 dBr			М	kr1 695.20 MHz -40.86 dBm	Auto Tur
10.0						Center Fre 363.950000 MH
0.0					DL1 -13.00 dBm	Start Fre 30.000000 Mi
0.0						<b>Stop Fr</b> 697.900000 M
0.0					1	CF Ste 66.790000 MI <u>Auto</u> M
0.0				NATE OF STREET, MILLION OF STREET, STRE		Freq Offs 0
0.0						Scale Ty
tart 30.0 Res BW	) MHz 100 kHz	#VBW	300 kHz	Sweep 32	Stop 697.9 MHz 2.06 ms (13359 pts)	Log <u>L</u>
G				STATUS	3	

Plot 7-103. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-104. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕕 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 74 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 71 of 213
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-105. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



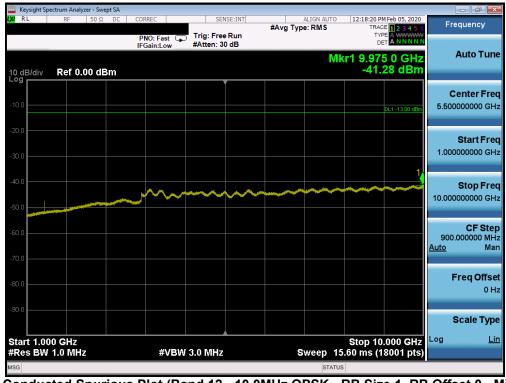
Plot 7-106. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 72 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 72 of 213
© 2020 PCTEST	•	•	V 9.0 02/01/2019



	nt Spectrum An	alyzer - Swept	t SA									
LXI RL	RF	50 Ω	DC	CORREC		SEI	NSE:INT	#Ava	ALIGN AUTO Type: RMS		PM Feb 05, 2020 ACE 1 2 3 4 5 6	Frequency
				PNO: Fa IFGain:Lo		Trig: Free Atten: 30				т		Auto Tomo
10 dB/di Log	iv Ref 2	20.00 dE	3m						N	/kr1 710 -43	6.30 MHz 6.22 dBm	Auto Tune
10.0												Center Freq 858.000000 MHz
-10.0											DL1 -13.00 dBm	Start Freq 716.000000 MHz
-20.0												<b>Stop Freq</b> 1.00000000 GHz
-40.0												<b>CF Step</b> 28.400000 MHz <u>Auto</u> Man
-60.0	dagette sing to stringer of general	traing to spin fail it	ternening the	ng mang tang di pang mang di pang mang di pang mang di pang di pang di pang mang di pang mang di pang mang di p		a ya ana ana ang sa	alanan kasar mangan kasar k	çazın bildişeri de farmışın	ومورود بربدوا أ بالتحافي وميد المستود	hand the state of the	(++) <sup>-</sup> 10-01-01-01-01-01-01-01-01-01-01-01-01-0	Freq Offset 0 Hz
												Scale Type
	.7160 GH 3W 100 ki			#	VBW	300 kHz			Sweep	Stop 1 13.63 ms	.0000 GHz (5681 pts)	Log <u>Lin</u>
MSG									STAT	US		

Plot 7-107. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



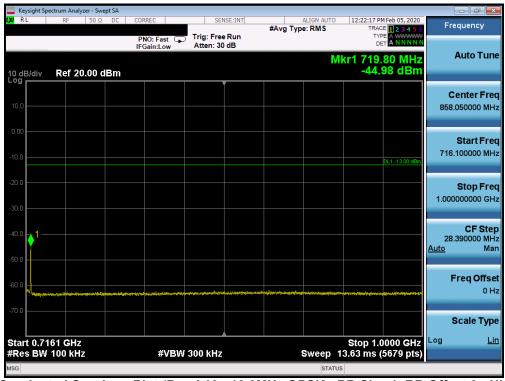
Plot 7-108. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 72 of 012
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 73 of 213
© 2020 PCTEST			V 9.0 02/01/2019



	ight Spectr			ot SA										
LX/ RL		RF	50 Ω	DC	CORREC		SEN	SE:INT	#Ava	ALIGN AUT Type: RMS		:06 PM Feb 05, 2020 TRACE 1 2 3 4 5 6	Fr	equency
					PNO: Fa IFGain:L	ist 😱 ow	Trig: Free Atten: 30							
10 dB. Log r	/div	Ref 2	0.00 di	Bm							Mkr1 6	97.80 MHz 44.90 dBm		Auto Tune
10.0 -														Center Freq 0.000000 MHz
0.00 -												DL1 -13.00 dBm	30	Start Freq 0.000000 MHz
-20.0 = -30.0 =													698	Stop Freq 0000000 MHz
-40.0 -												1	66 <u>Auto</u>	<b>CF Step</b> 8.800000 MHz Man
-60.0 -	ster politiket og som		Nettore	i ji dan wa					regen bi Altern Coloring on		toward and the state of the			F <b>req Offset</b> 0 Hz
-70.0 -														Scale Type
	30.0 N BW 10		z		#	VBW	300 kHz			Sweep	Sto 32.06 m	p 698.0 MHz s (13361 pts)	Log	Lin
MSG											TUS			

Plot 7-109. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-110. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 74 of 242
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 74 of 213
© 2020 PCTEST			V 9.0 02/01/2019





Plot 7-111. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

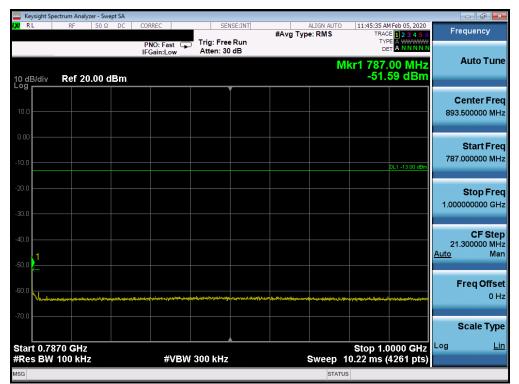
FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 75 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 75 of 213
© 2020 PCTEST	-		V 9.0 02/01/2019



## Band 13

	pectrum Analyzer									r 론
RL	RF 5	0Ω DC	PNO: Fast		#Avg Typ	ALIGN AUTO e: RMS	TRACE	Feb 05, 2020	Frequ	ency
0 dB/div	Ref 20.0	0 dBm	I Guilleow			M	kr1 777. -27.3	00 MHz 32 dBm	Au	to Tur
10.0									Cen 403.500	ter Fre 1000 M⊦
10.0								DL1 -13.00 dBm		art Fre
80.0								1	<b>St</b> 777.000	<b>op Fre</b> 1000 Mi
io.o										CF Ste 1000 MI Mi
i0.0									Fre	q Offs 0 I
	0.5411-						<u> </u>			ale Typ
tart 30. Res BW	U MHZ / 100 kHz		#VBV	V 300 kHz	s	weep 35	.86 ms (14	7.0 MHz 1941 pts)		
SG						STATUS				

Plot 7-112. Conducted Spurious Plot (Band 13 - 10.0MHz QPSK - RB Size 1, RB Offset 0)



Plot 7-113. Conducted Spurious Plot (Band 13 - 10.0MHz QPSK - RB Size 1, RB Offset 0)

FCC ID: ZNFT600TS	PCTEST <sup>®</sup>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 76 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 76 of 213
© 2020 PCTEST				V 9 0 02/01/2019





Plot 7-114. Conducted Spurious Plot (Band 13 - 10.0MHz QPSK - RB Size 1, RB Offset 0)

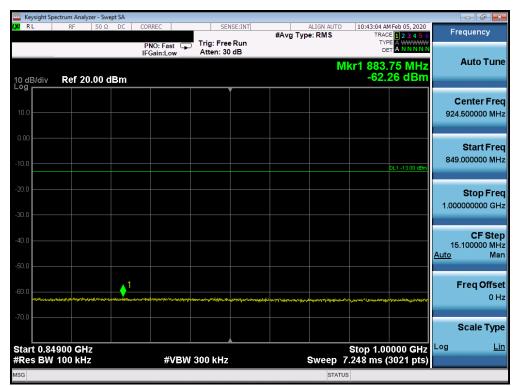
FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 77 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 77 of 213
© 2020 PCTEST			V 9.0 02/01/2019



### Band 26/5



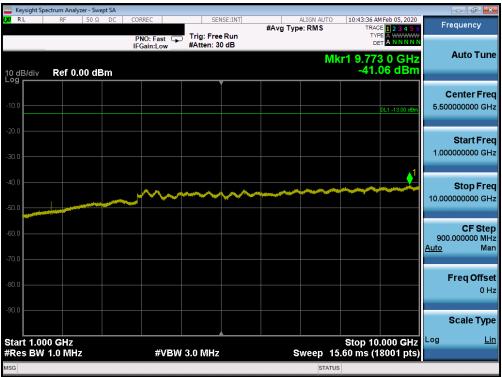
Plot 7-115. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-116. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFT600TS	<u>PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 70 of 010	
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 78 of 213	
© 2020 PCTEST	•			V 9.0 02/01/2019	





Plot 7-117. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-118. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 70 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 79 of 213
© 2020 PCTEST	·	•		V 9.0 02/01/2019



			lyzer - Swe										
IXI RI		RF	50 Ω	DC	CORREC		SE	NSE:INT	#Ava ]	ALIGN AUTO Type: RMS		AM Feb 05, 2020	Frequency
					PNO: I IFGain:	Fast 🖵 Low	Trig: Fre Atten: 3			. , point and	т		
10 dE Log	3/div	Ref 2	20.00 d	Bm						N	/kr1 849 -49	9.70 MHz .11 dBm	Auto Tune
10.0													Center Freq 924.500000 MHz
0.00 -10.0												DL1 -13.00 dBm	Start Freq 849.000000 MHz
-20.0 -30.0													<b>Stop Freq</b> 1.000000000 GHz
-40.0 -50.0	1												CF Step 15.100000 MHz <u>Auto</u> Man
-60.0	Worknessing		<b>4.4.</b> 9 <del>.4</del> 9.000	anan ang ang ang ang ang ang ang ang ang	**************************************	مىلىيە <del>ت ،</del> يىرىلىر	يومود مورون والمراجع الم	aley and a second	hayaddorea wefydd	an a	eynethadwessanaandar	אריאַגאליפייאַנאַראיייניישיי <mark>א</mark> יאיי	Freq Offset 0 Hz
-70.0													Scale Type
		900 GI 100 ki				#VBW	300 kHz			Sweep	Stop 1.0 7.248 ms	00000 GHz (3021 pts)	Log <u>Lin</u>
MSG										STAT	US		

Plot 7-119. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



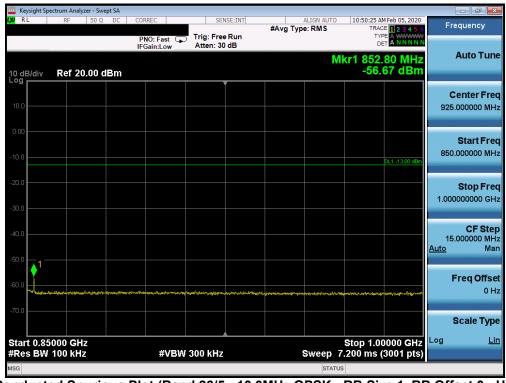
Plot 7-120. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 90 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 80 of 213
© 2020 PCTEST			V 9.0 02/01/2019



			lyzer - Swe											
l <b>XI</b> RL		RF	50 Ω	DC	CORREC		SE	NSE:INT	#Avg Ty	ALIGN AUTO		M Feb 05, 2020	Frequ	iency
					PNO: IFGain	Fast 🕞	Trig: Fre Atten: 3				TY D		Au	ito Tune
10 dB Log r	3/div	Ref 2	0.00 d	Bm							-57.	.95 MHz 39 dBm		
10.0														<b>ter Freq</b> 0000 MHz
0.00 ·												DL1 -13.00 dBm		a <b>rt Freq</b> 0000 MHz
-20.0 -30.0 :														t <b>op Freq</b> D000 MHz
-40.0														<b>CF Step</b> 0000 MHz Man
-60.0								leta Strift. Nijevold				1. 	Fre	<b>q Offset</b> 0 Hz
-70.0 -														ale Type
	t 30.0 s BW 1		z			#VBW	/ 300 kHz		ę	Sweep 38	8 Stop 3.11 ms (1	24.0 MHz 5881 pts)	Log	Lin
MSG										STATU	5			

Plot 7-121. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-122. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 04 af 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 81 of 213
© 2020 PCTEST		·		V 9.0 02/01/2019



	ctrum Analyzer - Swep	ot SA						
LXI RL	RF 50 Ω	DC CORREC	SENS	SE:INT	ALIGN AL Avg Type: RMS		M Feb 05, 2020 CE 1 2 3 4 5 6	Frequency
10 dB/div	Ref 0.00 dB	PNO: Fast G	Trig: Free #Atten: 30	Run	tvg Type. Rind	Mkr1 9.96		Auto Tune
-10.0							DL1 -13.00 dBm	Center Freq 5.500000000 GHz
-20.0								Start Freq 1.00000000 GHz
-40.0							<sup>1</sup>	<b>Stop Freq</b> 10.000000000 GHz
-60.0								CF Step 900.000000 MHz <u>Auto</u> Man
-80.0								Freq Offset 0 Hz
-90.0								Scale Type
Start 1.00 #Res BW		#VBM	( 3.0 MHz		Sweep	Stop 10 15.60 ms (*	).000 GHz (8001 pts)	Log <u>Lin</u>
MSG						FATUS		

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

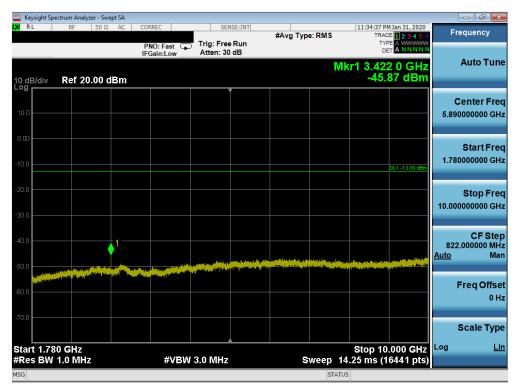
FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 92 of 912
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 82 of 213
© 2020 PCTEST	-		V 9.0 02/01/2019



### Band 66/4

	ectrum Analy											
U RL	RF	50 Ω	AC	PNO: F	ast 🖵 Low		#Avg Ty	pe: RMS	TR/ T	PM Jan 31, 2020 ACE 1 2 3 4 5 6 YPE A WWWWW DET A NNNNN	Fi	requency
0 dB/div	Ref 20	).00 dB	3m					N	/kr1 1.70 -30	09 0 GHz .33 dBm		Auto Tun
10.0												Center Free 9.500000 MH
10.00										DL1 -13.00 dBm	30	Start Fre 0.000000 MH
20.0										1	1.70	Stop Fre 9000000 GH
40.0											167 <u>Auto</u>	CF Ste 7.900000 MH Ma
60.0 <b></b>	ringe fins som figte		<del>ىۋەر</del> ىيەر بەروپىيەر	****	failer affil fail fail	ارىيىتىرى مەربۇمەتچىلە مەربۇرىي	 ter <u>s</u> leidybeysyn <del>di</del> ter <sup>or</sup> dit	nin articles and and	\ran - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			Freq Offse 0 H
70.0 Start 0.03	00 GHz								Stop 1	.7090 GHz	Log	Scale Typ <u>Li</u>
Res BW					#VBW	3.0 MHz		Sweep	2.239 ms	(3359 pts)		
SG								STA	TUS			

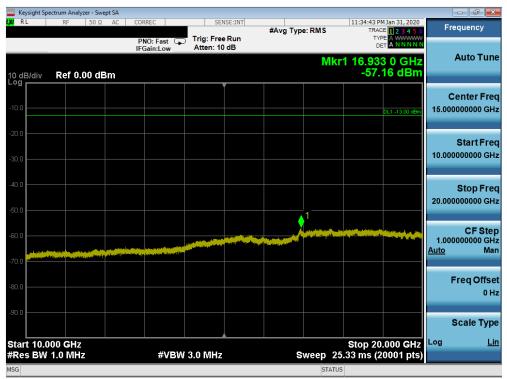
Plot 7-124. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-125. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 92 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 83 of 213
© 2020 PCTEST			V 9.0 02/01/2019





Plot 7-126. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

	Spectrum Analyz												
U RL	RF	50 Ω	AC	PNO:	Fast G		Free Run n: 30 dB	#Avg T	ype: RMS	11	31:09 PM Jan 31, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A NNNNN		requency
0 dB/div	Ref 20	.00 dE	3m	IFGain	Low	Alle	n. 30 dB		N	/kr1	1.706 5 GHz -48.34 dBm		Auto Tur
- <b>og</b>													Center Fre
10.00											DL1 -13.00 dBm	3	Start Fre 0.000000 MH
30.0												1.71	Stop Fr 10000000 G
40.0											1	16 <u>Auto</u>	CF Sto 8.000000 M M
60.0	quality and a state of the second	gaugers Wields	r,agilagan Marin () af	فيدرب والاشتراط	ينيار)، بن منظور معلي (معلي) بر الم	and the second	~~;;;;;;	****	*****	1			Freq Offs 0
70.0	0300 GHz									St	op 1.7100 GHz	Log	Scale Tyj <u>L</u>
	W 1.0 MHz				#VBV	V 3.0 N	IHz		Sweep	2.240	ms (3361 pts)		

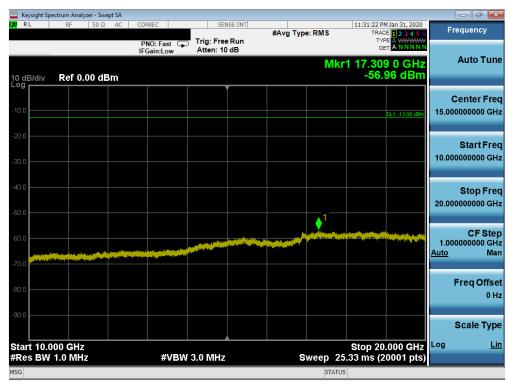
Plot 7-127. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 94 of 919
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 84 of 213
© 2020 PCTEST			V 9.0 02/01/2019



	ctrum Analyzer - S										
LX/RL	RF 50	Ω ΑC Ο	ORREC	SEI	NSE:INT	#Avg Type	RMS		MJan 31, 2020	Fr	equency
			PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 30		"a)pe		TYF DE			A
10 dB/div Log	Ref 20.00	dBm					Mk	(r1 3.47) -42.	2 0 GHz 45 dBm		Auto Tune
10.0											enter Freq
										5.89	0000000 GHz
0.00										4.70	Start Freq
-10.0									DL1 -13.00 dBm	1.78	000000 GHZ
-20.0										40.00	Stop Freq
-30.0										10.000	000000 GHZ
-40.0		_ <b>∲</b> 1								822	CF Step .000000 MHz
-50.0	and the second second								Construction of the second	<u>Auto</u>	Man
-60.0										I	Freq Offset 0 Hz
-70.0											UHZ
											Scale Type
Start 1.78								Stop 10	.000 GHz	Log	<u>Lin</u>
#Res BW	1.0 MHz		#VBW	/ 3.0 MHz		Sv			6441 pts)		
MSG							STATUS	5			

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



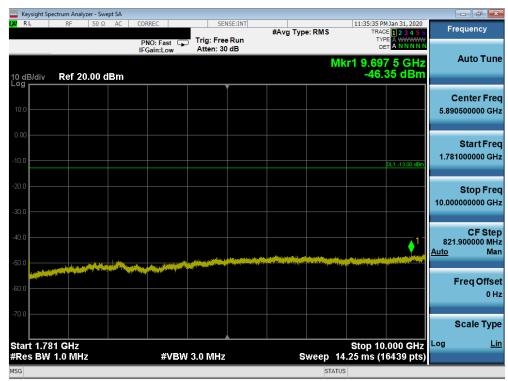
Plot 7-129. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	PCTEST <sup>®</sup>	MEASUREMENT REPORT (CERTIFICATION)	🕑 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 95 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 85 of 213
© 2020 PCTEST	•			V 9.0 02/01/2019



🔤 Keysight Spectrum Analyzer - Swep					
LXI RL RF 50Ω	AC CORREC	SENSE:INT	#Avg Type: RMS	11:35:29 PM Jan 31, 2020 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast 🖵 IFGain:Low	Trig: Free Run Atten: 30 dB	• //	TYPE A WWWW DET A N N N N N kr1 1.707 5 GHz	Auto Tune
10 dB/div Ref 20.00 dB	Bm			-53.21 dBm	
10.0					Center Freq 870.000000 MHz
-10.0				DL1 -13.00 dBm	Start Freq 30.000000 MHz
-20.0				UC1 -13.00 abm	Stop Freq
-30.0					CF Step 168.000000 MHz
-50.0		No All Market States of the st		where the second s	<u>Auto</u> Man Freq Offset
-60.0					0 Hz
					Scale Type
Start 0.0300 GHz #Res BW 1.0 MHz	#\/B\//	3.0 MHz	Sween_2	Stop 1.7100 GHz 2.240 ms (3361 pts)	Log <u>Lin</u>
MSG	#VD11		STATU		

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



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

FCC ID: ZNFT600TS	<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:		Dama 00 of 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 86 of 213
© 2020 PCTEST	•	·		V 9.0 02/01/2019



	ctrum Analyzer - S										
L <mark>XI</mark> RL	RF 50	Ω AC	CORREC	SEN	SE:INT	#Avg Typ	e: RMS		M Jan 31, 2020	Fre	quency
			PNO: Fast IFGain:Low	Trig: Free Atten: 10				TYI Di			Auto Tune
10 dB/div Log	Ref 0.00 (	dBm					Mk	r1 17.93 -56.	5 5 GHz 59 dBm		Auto Tune
											enter Freq
-10.0									DL1 -13.00 dBm	15.000	000000 GHz
-20.0											Start Freq
-30.0										10.000	000000 GHz
-40.0											Stop Freq
-50.0								<u> </u>			000000 GHz
							اس والفاد والفريقي الم		المعربين والمعادلة		CF Step
-60.0	Inspect angle to press for			and the second			مىلىكى قەرىكى يەرىپى مەركىكى قەرىكى يەرىپى	ثلا يخرفه والتعريق متر	Markin, finderin, diffe	1.000 <u>Auto</u>	000000 GHz Man
-70.0	and the second										
-80.0										F	req Offset 0 Hz
-90.0											
											cale Type
Start 10.0 #Res BW			#VE	3W 3.0 MHz		s	weep 2	Stop 20 5.33 ms (2	.000 GHz 20001 pts)	Log	Lin
MSG							STATU				

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

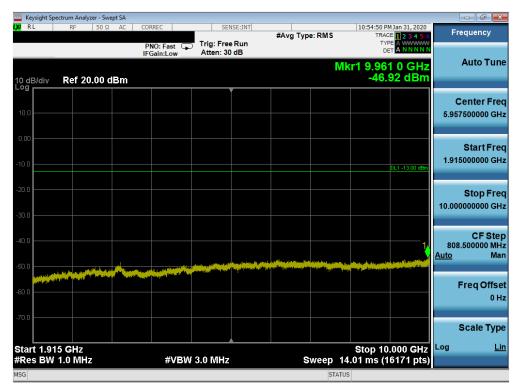
FCC ID: ZNFT600TS	<u><u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dara 97 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 87 of 213
© 2020 PCTEST			V 9.0 02/01/2019



## Band 25/2

	ectrum Analyzer	- Swept SA										- ē 💌
<mark>0</mark> RL	RF 5	50 Ω AC	PNO IFGai	:Fast 😱			#Avg Typ	e: RMS	T	4 PM Jan 31, 2020 RACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN	Fr	equency
0 dB/div	Ref 20.0	0 dBm						N	/kr1 1.8 -2	49 0 GHz 9.89 dBm		Auto Tun
10.0												enter Fre .500000 MH
10.0										DL1 -13.00 dBm	30	Start Fre .000000 MH
20.0										1	1.84	Stop Fre
40.0											181 <u>Auto</u>	CF Ste .900000 MH Ma
50.0 <b>cm/24/47</b>	n ang ang ang ang ang ang ang ang ang an		lette stars lipsiper	-		۲۵۰ ginging of the Sire of the gine of th		ridiji, Bajikova, svitilo dovila	ale prince particular and a second			Freq Offs 0 H
70.0												Scale Typ
tart 0.03 Res BW	1.0 GHz			#VBN	/ 3.0 MH:	z		Sweep		1.8490 GHz s (3639 pts)		L
ISG								STA				

Plot 7-133. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



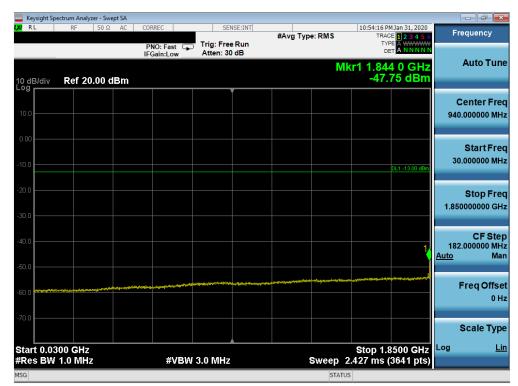
Plot 7-134. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕑 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 00 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 88 of 213
© 2020 PCTEST	•			V 9.0 02/01/2019



	pectrum Analy		ot SA									- • ×
XU RL	RF	<u>50</u> Ω	AC	CORREC PNO: Fa		SEN Trig: Free Atten: 10	#Avg Typ	e: RMS	Т	6 PM Jan 31, 2020 RACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNN	Fi	equency
10 dB/div	Ref 0.	00 dB	m	II Gam.L				Μ	lkr1 18.9 -5	46 5 GHz 7.60 dBm		Auto Tune
-10.0										DL1 -13.00 dBm		Center Fred 0000000 GH2
-20.0											10.00	Start Free
-40.0										. 1	20.00	Stop Fred
-60.0	an fan sterne af sterne af see			a di sina pangana di sina pang Pangana pangana	e para se de la compositione de la				MAL , location of the state of		1.00 <u>Auto</u>	CF Step 0000000 GH: Mar
80.0												Freq Offse 0 H
-90.0												Scale Type
	000 GHz / 1.0 MH			#	VBW	3.0 MHz	9	weep	Stop 25.33 ms	20.000 GHz (20001 pts)	Log	Lin
ISG									ATUS			

Plot 7-135. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



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

FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 90 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 89 of 213
© 2020 PCTEST			V 9.0 02/01/2019



			ilyzer - Sw											
L <mark>XI</mark> RL		RF	50 Ω	AC	CORREC		SEI	NSE:INT	#Avg Typ	e: RMS		M Jan 31, 2020 E 1 2 3 4 5 6	Free	uency
					PNO: IFGain	Fast 🖵 :Low	Trig: Free Atten: 30				TY D		Δ	uto Tune
10 dB Log <b>r</b>	/div	Ref 2	20.00 (	dBm							/kr1 9.99 -46.	73 dBm		
								ĺ						nter Freq
10.0													5.9575	00000 GHz
0.00													S	Start Freq
-10.0												DL1 -13.00 dBm	1.9150	00000 GHz
-20.0														Stop Freq
-30.0														00000 GHz
-30.0														CF Step
-40.0												1	808.5 <u>Auto</u>	00000 MHz Man
-50.0	L. D. DOWN							ana dhanadadh Sacartan Sacart			alaya di kana kana kata kata kata kata kata kata	and the second sec		Mari
-60.0	ala state de	denið tels tils											Fr	eq Offset 0 Hz
-70.0														UHZ
-70.0													S	cale Type
Start	1.91:	6 GHz											Log	Lin
#Res	BW '	1.0 MI	lz			#VBW	3.0 MHz		S	weep	14.01 ms (1	6171 pts)		
MSG										STA	TUS			

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



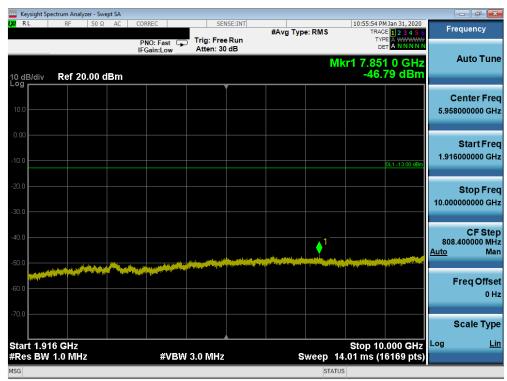
Plot 7-138. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 00 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 90 of 213
© 2020 PCTEST	•		V 9.0 02/01/2019



🔤 Keysight Spectrum Analyzer - Swept SA					
<b>LXU</b> RL RF 50Ω AC	CORREC	SENSE:INT	#Avg Type: RMS	10:55:48 PM Jan 31, 2020 TRACE 1 2 3 4 5 6	Frequency
		Free Run : 30 dB			Auto Tune
10 dB/div Ref 20.00 dBm	1			-53.58 dBm	
10.0					Center Freq 940.000000 MHz
-10.0				DL1 -13.00 dBm	Start Freq 30.000000 MHz
-20.0					Stop Freq 1.85000000 GHz
-40.0				1.	CF Step 182.000000 MHz <u>Auto</u> Man
-50.0	alaripsi kangan matangkat katang kang kang kang kang kang kang kang k	******	an a		Freq Offset 0 Hz
-70.0					Scale Type
Start 0.0300 GHz #Res BW 1.0 MHz	#VBW 3.0 M	47	Sween 2	Stop 1.8500 GHz 427 ms (3641 pts)	Log <u>Lin</u>
MSG	<b>WORV 3.0 M</b>	114	SWEED		

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



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

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕕 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	:		
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 91 of 213	
© 2020 PCTEST		·		V 9.0 02/01/2019	



	ctrum Analyzer - Sv									(	
LXIRL	RF 50 \$	2 AC	CORREC	SEN	SE:INT	#Avg Typ	e: RMS		M Jan 31, 2020 E <mark>1 2 3 4 5 6</mark>	Fre	equency
10 dB/div	Ref 0.00 d	Bm	PNO: Fast ( IFGain:Low	Trig: Free Atten: 10				TYF DE r1 18.53	a 5 GHz 41 dBm		Auto Tune
-10.0									DL1 -13.00 dBm		enter Freq
-20.0										10.000	Start Freq 0000000 GHz
-40.0								▲ <sup>1</sup>		20.000	Stop Freq 0000000 GHz
-60.0	Ala Anna an Ala gu dhi Ala gu thi Anna Mila anna 1 Ala gu tha gu tha an		The second of the space of the former and the forme							1.000 <u>Auto</u>	CF Step 0000000 GHz Man
-80.0										F	Freq Offset 0 Hz
-90.0										tog (	Scale Type Lin
Start 10.0 #Res BW			#VB	W 3.0 MHz		s	weep 2	Stop 20 5.33 ms (2	.000 GHz 20001 pts)	-	LIN
MSG							STATU	s			

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

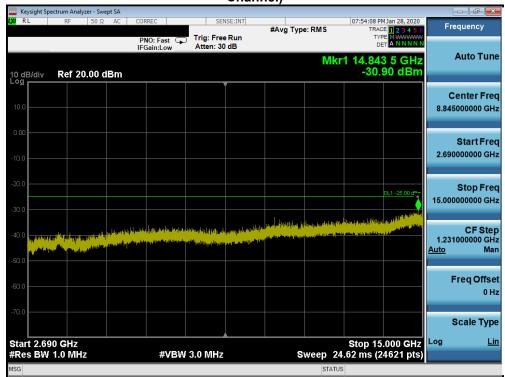
FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 02 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 92 of 213
© 2020 PCTEST	-		V 9.0 02/01/2019



## Band 41 PC2

<b>Z</b>										
Keysight Spe	ectrum Analyzer - Swep RF 50 Ω	AC CORRE	FC	SEN	ISE:INT			07:54:00 PM Jan	28 2020	
	14 5032	PNC	):Fast 😱		Run	#Avg Ty	pe:RMS	TRACE 1 TYPE M		Frequency
10 dB/div	Ref 20.00 d	Bm					Μ	kr1 2.428 5 -38.39		Auto Tur
.09										Center Fre
10.0										1.252500000 GH
0.00										Start Fre
10.0										30.000000 Mi
20.0								DL1 -	25.00 dBm	Stop Fre
30.0										2.475000000 GI
40.0		ىلىمارىلارىيە بىرىرى	e	al finada da	Anna an	and seattle by	dia mangkan kanalakan katika			CF Ste 244.500000 M
50.0			an a faith a la faith	in ite a second a se		district de la company				<u>Auto</u> M
60.0										Freq Offs 0
70.0										Scale Typ
Start 0.03 ∉Res BW	0 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep	Stop 2.47 3.260 ms (489		Log <u>L</u>
ISG							STATU			

Plot 7-142. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



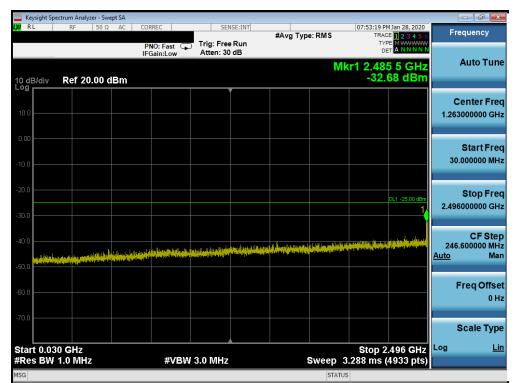
Plot 7-143. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFT600TS	<u>PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 02 of 012
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 93 of 213
© 2020 PCTEST	•			V 9.0 02/01/2019



	pectrum Analyzer - Swept					
X/ RL	RF 50 Ω	AC CORREC	SENSE:INT Trig: Free Run Atten: 10 dB	#Avg Type: RMS	07:54:16 PM Jan 28, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET A N N N N N	Frequency
10 dB/div Log	Ref 0.00 dBr			Mkr	1 25.510 0 GHz -40.09 dBm	Auto Tune
-10.0						Center Freq 21.000000000 GHz
-20.0					DL1 -25.00 dBm	Start Freq 15.000000000 GHz
-40.0	Internet of the second state	nifilesentheres of the same the	1 by the state of	en ja Simpon Angini Patri na Patri na Patri na Patri		Stop Freq 27.000000000 GHz
-60.0		aflar ystyrchollinau ffiniaeth finiaeth an an tarainn an tarainn an tarainn an tarainn an tarainn an tarainn a				CF Step 1.20000000 GHz <u>Auto</u> Mar
80.0						Freq Offset 0 Hz
-90.0					Stop 27.000 GHz	Scale Type
	1.0 MHz	#VBW	3.0 MHz	Sweep 30	.40 ms (24001 pts)	
ISG				STATUS	6	

Plot 7-144. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



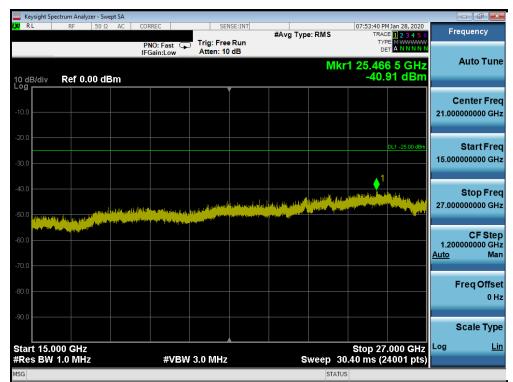
Plot 7-145. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u>PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 04 of 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 94 of 213
© 2020 PCTEST	-	•		V 9.0 02/01/2019



	ectrum Analyzer - Sv										
L <mark>XI</mark> RL	RF 50 \$		RREC			#Avg Typ	e: RMS	TRAC	4 Jan 28, 2020 E 1 2 3 4 5 6 E M WWWW	Fre	quency
			NO: Fast 😱 Gain:Low	Atten: 30			Mkr		<sup>a</sup> nnnn 3 0 GHz		Auto Tune
10 dB/div Log	Ref 20.00	dBm						-30.2	26 dBm		
				,							enter Freq
10.0										8.845	000000 GHz
0.00											Start Freq
-10.0										2.690	000000 GHz
-20.0											Stop Freq
-30.0									DL1 -25.00 d	15.000	000000 GHz
			الم المعالية الم		kroadki	Navisti <sup>ki k</sup> istoritiki	ang pagan katalan	ւյս <sub>ելնըսպ</sub> ուծեւ			CF Step
-40.0		<sup>1</sup> in the second states of th	n a gi gi si sa	ang kanala kandrast na kanala kandrast	n de sie als de la constant de	a Marina di Gina ang sa i	and the second secon	1.1916.1., <u>1916.</u> , .		1.231 Auto	000000 GHz Man
-50.0	1									<u>Mato</u>	Mari
-60.0										F	req Offset 0 Hz
-70.0											0 112
										s	cale Type
Start 2.69 #Res BW			#\/B\M	3.0 MHz			ween 24	Stop 15	.000 GHz 4621 pts)	Log	<u>Lin</u>
MSG	1.0 10112		#V DVV	5.0 10112			STATUS		402 r pisj		

Plot 7-146. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



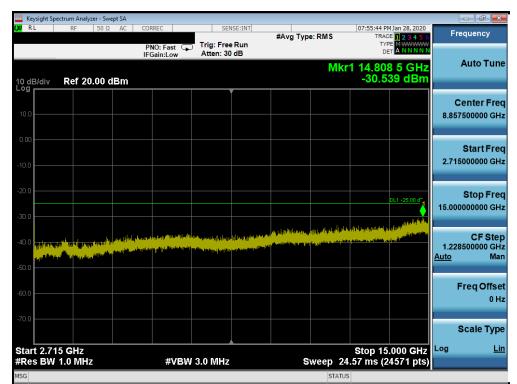
Plot 7-147. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 05 of 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 95 of 213
© 2020 PCTEST	•			V 9.0 02/01/2019



	pectrum Analyzer - Sv										
L <mark>XI</mark> RL	RF 50 S		ORREC	SEN		#Avg Typ	e:RMS	TRAC	MJan 28, 2020 E 1 2 3 4 5 6 E MWWWW	Fre	quency
10 dB/div	Ref 20.00	I	FGain:Low	Atten: 30	dB		M	lkr1 2.49	4 0 GHz 98 dBm		Auto Tune
10.0											enter Freq 000000 GHz
-10.0											Start Freq
-20.0									DL1 -25.00 dBm		Stop Freq 000000 GHz
-40.0	Landis in a state of the		giningi yang daga ka	gedanbel in the				n program ( 14 po by 64 kinger ya por a kinger ya Ny alay mana alay a falina na kata da falina na kata falina		246.6 <u>Auto</u>	CF Step 500000 MHz Man
-60.0										F	req Offset 0 Hz
-70.0											cale Type
Start 0.03 #Res BW			#VBW	3.0 MHz		:	Sweep	Stop 2 3.288 ms (	.496 GHz 4933 pts)	Log	<u>Lin</u>
MSG							STAT	US			

Plot 7-148. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 - High Channel)



Plot 7-149. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 – High Channel)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 00 of 010	
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 96 of 213	
© 2020 PCTEST	•			V 9.0 02/01/2019	



	ysight Spe		nalyzer - Si	wept SA											- # <b>×</b>
<b>l,Xi</b> R	L	RF	50 9	Ω AC	P	RREC NO: Fa Gain:L	∣ ist ⊂, ow			#Avg Typ	e:RMS	TRAC	M Jan 28, 2020 DE <b>1 2 3 4 5</b> 6 PE M WWWWW ET A N N N N N	Fre	quency
10 dE Log	3/div	Ref	0.00 d	IBm							Mk	r1 25.76 -41.	7 5 GHz 25 dBm		Auto Tune
									• •						enter Freq 000000 GHz
													DL1 -25.00 dBm		Start Freq 000000 GHz
		lilata ada	and the second s	n shekar	uday sty		lesson and	ng Amerika Mana Mana Ang Amerika Mana Mana Mana Mana Mana Mana Mana Ma	) A Vilsen gingen stater The photon have at a failed a		alayan dalada Anarah ayaa	and a second la discontra la Second la discontra la discontra la discontra discontra discontra discontra discontra di Seconda discontra di			Stop Freq 000000 GHz
-60.0	a du Maasta		in the second											1.2000 <u>Auto</u>	CF Step 000000 GHz Man
														F	req Offset 0 Hz
-90.0														S	cale Type Lin
	t 15.0 s BW					#	VBW	3.0 MHz		s	weep 3	27 Stop 0.40 ms (2	.000 GHz 4001 pts)		
MSG											STAT	US			

Plot 7-150. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 - High Channel)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 07 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 97 of 213
© 2020 PCTEST		•	V 9.0 02/01/2019



## 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

FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dege 00 of 012
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 98 of 213
© 2020 PCTEST			V 9.0 02/01/2019



#### 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.

FCC ID: ZNFT600TS	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 00 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 99 of 213
© 2020 PCTEST		·	V 9.0 02/01/2019



## Band 71



Plot 7-151. Lower Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-152. Upper Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<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 100 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 100 of 213
© 2020 PCTEST	•	·		V 9.0 02/01/2019



	ctrum Analyzer - S	wept SA									
LXU RL	RF 50	Ω DC	CORREC	SENSE		#Avg Typ	ALIGN AUTO e: RMS	TRACE	Feb 05, 2020	F	requency
10 dB/div	Ref 25.00	dBm	PNO: Wide IFGain:Low	Trig: Free R Atten: 36 d			Mkr	DE	92 MHz 1 dBm		Auto Tune
15.0											Center Fred 3.000000 MH:
-5.00						ner and a second se	Jan Mandal Manager	hr we also with the second	<del>میں مدینہ محمد م</del>	65	Start Free 9.000000 MH
-15.0				1	, M					66	Stop Free 7.000000 MH
-35.0	war and a second	And any and a start of the star	nere and a start	and the state of t						<u>Auto</u>	CF Stej 800.000 kH Ma
-55.0											Freq Offse 0 H
-65.0											Scale Type
Center 663 #Res BW 1	3.000 MHz 100 kHz		#VBW	/ 300 kHz			Sweep 4.	Span 8. .000 ms (1	000 10112	Log	<u>Lii</u>
MSG							STATUS				

Plot 7-153. Lower Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-154. Upper Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<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:		Page 101 of 213
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		
© 2020 PCTEST		•		V 9.0 02/01/2019



a RL	Spectrum Analy: RF			CORREC	1	SE	NSE:INT		ALIGN AUTO	01:16:27	PM Feb 05, 2020	_	
	TG.	50 32		PNO: W	ide 🖵	Trig: Fre	e Run	#Avg	Type: RMS	TRA		F	requency
0 dB/div	Ref 25	.00 dE	3m	IFGain:L	.ow	Atten: 3	6 dB		MI	(r1 663.)	000 MHz .10 dBm		Auto Tun
15.0							• 						Center Fre 3.000000 M⊦
5.00								~~~~	·····	, mar and a second s	DL1 -13.00 dBm	65	Start Fre 7.000000 MH
25.0							1					669	Stop Fre 9.000000 MH
35.0 <u> </u>		~~~~	- All and a second	and have a	~~~~	~~~~~						<u>Auto</u>	CF Ste 1.200000 MH Ma
55.0													Freq Offs 0 H
Senter f	63.000 N	H7								Snan	12.00 MHz		Scale Typ
	V 150 kHz			\$	/VBW	470 kHz	:		Sweep	1.000 ms	(1001 pts)		
SG									STAT	IS			

Plot 7-155. Lower Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-156. Upper Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	PCTEST <sup>®</sup>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 102 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 102 of 213
© 2020 PCTEST	•			V 9.0 02/01/2019



RL	Spectrum Analyz RF	2er - Swep 50 Ω		CORREC	1		NSE:INT		ALIGN AUTO	01-01-04	PM Feb 05, 2020	_	
KL	KF	50 32	DC	PNO: Wi	de 🕟	Trig: Fre	e Run	#Avg T	ype: RMS	TRA	CE 1 2 3 4 5 6 (PE A WWWW A NNNNN	F	requency
0 dB/div	Ref 25	.00 dl	Bm	IFGain:L	ow	Atten: 3	6 dB		M	(r1 662.)	952 MHz .49 dBm		Auto Tun
15.0													Center Fre 3.000000 M⊦
5.00										nd harson home	DL1 -13.00 dBm	65	Start Fre 5.000000 MH
25.0							1_					67	Stop Fre 1.000000 Mi
5.0		المر الم	and the second		v	*****	¥					<u>Auto</u>	CF Ste 1.600000 MI M
5.0	and a second and a second	<i></i>											Freq Offs 0 I
enter 6	663.000 M	Hz								Span	16.00 MHz	Log	Scale Typ
	V 200 kHz			#	VBW	620 kHz			Sweep	1.000 ms	(1001 pts)		
G									STATI	JS			

Plot 7-157. Lower Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-158. Upper Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)

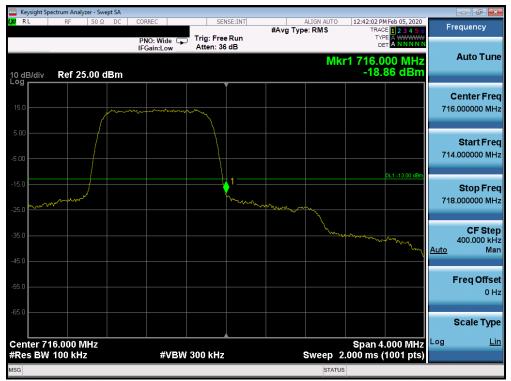
FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 102 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 103 of 213
© 2020 PCTEST		·	V 9.0 02/01/2019



## Band 12



Plot 7-159. Lower Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)



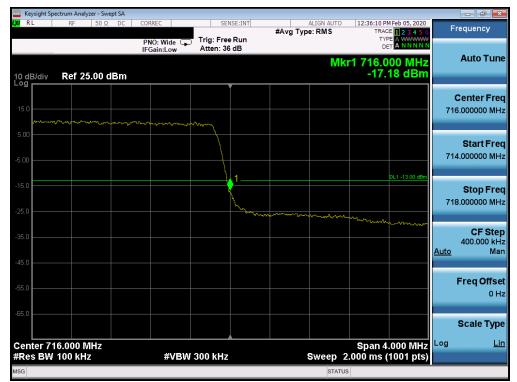
Plot 7-160. Upper Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕕 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 404 af 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 104 of 213
© 2020 PCTEST				V 9 0 02/01/2019



	trum Analyzer - Swept					
KI RL	RF 50 Ω	DC CORREC PNO: Wide IFGain:Low	Trig: Free Run Atten: 36 dB	ALIGN AUTO #Avg Type: RMS	12:35:48 PM Feb 05, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN	Frequency
10 dB/div	Ref 25.00 dB		Atten: 30 ub	Mk	r1 699.000 MHz -19.54 dBm	Auto Tun
15.0					an and a second and a second and a second and a second a	Center Fre 699.000000 M⊦
5.00						Start Fre 697.000000 MF
25.0			1		DL1 -13.00 dBm	Stop Fre 701.000000 M⊦
45.0						CF Ste 400.000 kH <u>Auto</u> Ma
55.0						Freq Offs 0 ⊦
65.0						Scale Typ
Center 699 Res BW 1	9.000 MHz 100 kHz	#VBW	300 kHz	Sweep 2	Span 4.000 MHz 2.000 ms (1001 pts)	Log <u>L</u>
SG				STATU	5	

Plot 7-161. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-162. Upper Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<u>PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	🕑 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 105 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 105 of 213
© 2020 PCTEST	-			V 9.0 02/01/2019



	pectrum Analy											_	
RL	RF	50 Ω	DC	CORREC		SEI	NSE:INT	#Avg Ty	ALIGN AUTO		M Feb 05, 2020 CE 1 2 3 4 5 6	F	requency
	_			PNO: W IFGain:L	ide 🖵 .ow	Trig: Free Atten: 36				TY D			
0 dB/div	Ref 25	.00 dE	3m						Mł	(r1 698.9 -24.	996 MHz 86 dBm		Auto Tun
15.0													Center Fre 9.000000 MH
5.00								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	muu-v-v-v			69	<b>Start Fre</b> 7.000000 Mi
5.0							1				DL1 -13.00 dBm	70	<b>Stop Fr</b> 1.000000 MI
5.0 ~~~	and the second second	~~~~	-Maran	no man	www.							<u>Auto</u>	CF Ste 400.000 kl M
5.0													Freq Offs 0 I
5.0													Scale Typ
	i99.000 M V 100 kHz			;	≠vBW :	300 kHz			Sweep :	Span 4 2.000 ms	.000 MHz (1001 pts)	Log	L
G									STATU		· · · ·		

Plot 7-163. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-164. Upper Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Degre 106 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 106 of 213
© 2020 PCTEST			V 9.0 02/01/2019



RF 50 Ω	PN	REC	J	NSE:INT		ALIGN AUTO	12:21:36 PM		Er	0.0110.0001/
		IO: Wide 🖵	Trig: Fre		#Avg Typ	e:RMS	TRACE TYPE	1 2 3 4 5 6 A WWWWW A N N N N N		equency
Ref 25.00 di		Gain:Low	Atten: 36	o dB		Mk	r1 699.00			Auto Tun
										Center Fre
					effertil <sub>ent</sub> erfred <sup>fred</sup> fred	and and an and a second se	9990294°999994797	4-1-12:00 dBm	695	Start Fre
				1.44					703	Stop Fre
and the second s	yerowy Manameri	ئىيە مەيدىلىيە بىرى سەر مەيدىلىيە بىرى بىرى	errower at						<u>Auto</u>	CF Ste 800.000 kH Ma
										F <b>req Offs</b> 0 F
.000 MHz							Span <u>8.0</u>	DOO MHz		Scale Typ
		#VBW	300 kHz			Sweep 4	.000 ms (1	001 pts)		
		.000 MHz	.000 MHz	.000 MHz	.000 MHz	ото мнz	ото мнz	1.000 MHz #VBW 300 kHz Span 8.0 Sweep 4.000 ms (1	LOUO MHz 00 kHz #VBW 300 kHz 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

Plot 7-165. Lower Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-166. Upper Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 107 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 107 of 213
© 2020 PCTEST			V 9.0 02/01/2019



## Band 13



Plot 7-167. Lower Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



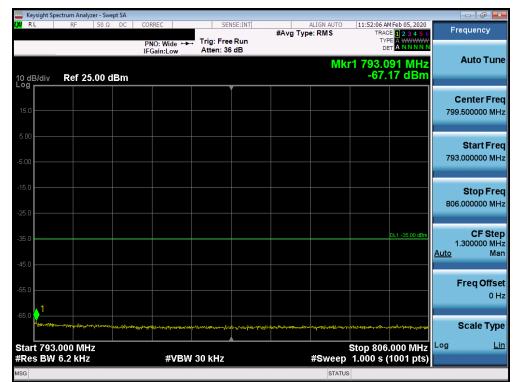
Plot 7-168. Lower Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 100 of 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 108 of 213
© 2020 PCTEST	-	•		V 9.0 02/01/2019



Keysight Spectrum Analyzer - Swept SA           R L         RF         50 Ω         DC	CORREC	SENSE:INT	ALIGN AUTO	11:51:39 AM Feb 05, 2020 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB	#Avg Type. RMS		
dB/div Ref 25.00 dBm			Mk	r1 787.008 MHz -22.06 dBm	Auto Tur
5.0					Center Fre 787.000000 MH
	May many and a second sec				<b>Start Fr</b> 785.000000 Mi
5.0		1 1		DL1 -13.00 dBm	<b>Stop Fr</b> 789.000000 M
5.0			al and the second s	hunder	<b>CF St</b> 400.000 k <u>Auto</u> M
5.0					Freq Offs 0
5.0					Scale Ty
enter 787.000 MHz Res BW 100 kHz	#VBW	300 kHz	Sweep 2	Span 4.000 MHz 2.000 ms (1001 pts)	Log <u>L</u>

Plot 7-169. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



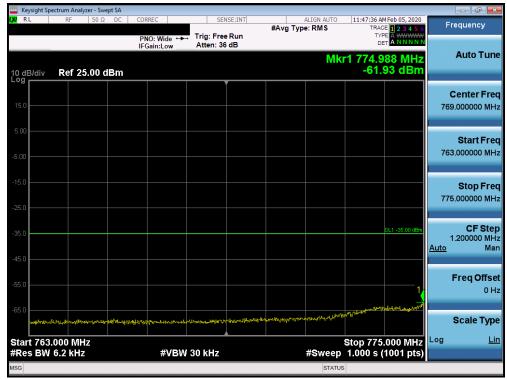
Plot 7-170. Upper Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<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 100 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 109 of 213
© 2020 PCTEST		•		V 9.0 02/01/2019



RL RL	Spectrum Analyze RF			-		CE-INT.			11.47.10.41	45-b 05 2020	_	
KL	RF	50 Ω DC	PNO: W		rig: Free		#Avg Typ	ALIGN AUTO	TRAC	Feb 05, 2020 E 1 2 3 4 5 6 PE A WWWW T A N N N N N	F	requency
0 dB/div	Ref 25.	.00 dBm	IFGain:I	Low A	tten: 36	dB		Mk	r1 776.9			Auto Tun
15.0												Center Fre 7.000000 M⊦
5.00							water and a second s		r	orredowyna	77	Start Fre 3.000000 MH
5.0						1,0				DL1 -13.00 dBm	78	<b>Stop Fre</b> 1.000000 Mi
5.0				and the second second	APPENDIAL CONTRACTOR						<u>Auto</u>	CF Ste 800.000 kl Ma
5.0	www.	www.www	source and									Freq Offs 0
enter 7	77.000 M	Hz							Span 8	.000 MHz	Log	Scale Typ
	V 100 kHz			#VBW 30	0 kHz			Sweep 4	1.000 ms (	1001 pts)		
SG								STATU	s			

Plot 7-171. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



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

FCC ID: ZNFT600TS	PCTEST <sup>®</sup>	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Daga 110 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 110 of 213
© 2020 PCTEST	•			V 9.0 02/01/2019



Keysight Sp		zer - Swept SA	<b>N</b>									
RL	RF	50 Ω DC	PNO:	Wide 😱	Trig: Free		#Avg Typ	ALIGN AUTO	TRAC	M Feb 05, 2020 CE 1 2 3 4 5 6 PE A WWWWW T A N N N N N	F	requency
0 dB/div	Ref 25	i.00 dBn		n:Low	Atten: 36	dB		Mk	r1 787.0	24 MHz 71 dBm		Auto Tur
5.0												Center Fre 7.000000 MH
	1907 (1) A. H.	<u>می احمد مر ماند</u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~* <b>***</b> ***							78	Start Fre 3.000000 MI
5.0					h William	1				DL1 -13.00 dBm	79 <sup>.</sup>	Stop Fr 1.000000 M
5.0							~~~{~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second second	and the second of the second o	Maran Carlo and a share	<u>Auto</u>	<b>CF St</b> 800.000 k M
i.0												Freq Offs 0
5.0												Scale Ty
	37.000 N 100 kH			#VBW	300 kHz			Sweep 4	8 Span 000 ms (	.000 MHz (1001 pts)	Log	Ĺ
G								STATUS	;			

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



Plot 7-174. Upper Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Demo 111 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 111 of 213
© 2020 PCTEST			V 9.0 02/01/2019



## Band 26/5



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



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

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 110 af 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 112 of 213
© 2020 PCTEST	•	•		V 9 0 02/01/2019



Keysight Spectrum Analyzer - Swept S	A		
<mark>X/RL</mark> RF 50ΩD	C CORREC SENSE:INT	ALIGN AUTO 11:05:38 AM Feb 05, 2020 #Avg Type: RMS TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide Trig: Free Run IFGain:Low Atten: 36 dB	TYPE A WWWWW DET <mark>A N N N N N</mark>	Auto Tur
10 dB/div Ref 25.00 dBr	n	Mkr1 824.000 MHz -18.885 dBm	Auto Tun
15.0			Center Fre 824.000000 MH
5.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	when we	
			Start Fre 822.000000 MH
-5.00		0L1 -13.00 dBm	
-15.0			Stop Fre 826.000000 MH
-25.0	and all and a second		
35.0			CF Ste 400.000 kH Auto Ma
45.0			<b>5</b>
55.0			Freq Offs 0 H
65.0			Scale Typ
Center 824.000 MHz		6pail 4.000 Milz	Log L
Res BW 100 kHz	#VBW 300 kHz	Sweep 2.000 ms (1001 pts)	
ISG		STATUS	

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



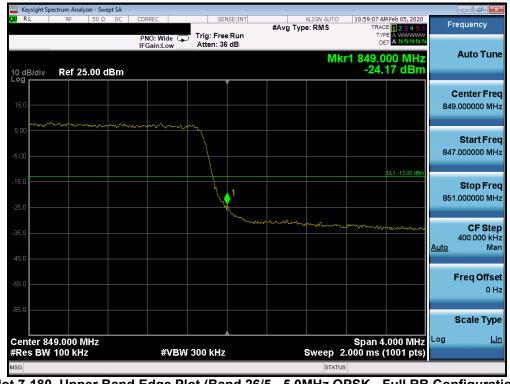
Plot 7-178. Upper Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Daga 112 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 113 of 213
© 2020 PCTEST	-			V 9.0 02/01/2019



RL	Spectrum Analyz RF		DC	CORREC		SE	NSE:INT		ALIGN AUTO	10:58:39 A	M Feb 05, 2020	_	
					ide 🖵	Trig: Fre Atten: 30	e Run	#Avg Ty		TRAC	DE 1 2 3 4 5 6 PE A WWWWW ET A N N N N N	F	requency
0 dB/div	Ref 25	.00 dl	Зm	IFGam.	.0w	, talen. or			Mk	r1 824.0 -24.8	00 MHz 09 dBm		Auto Tun
15.0									man		mm		Center Fre 4.000000 M⊦
5.00 <b></b>											DL1 -13.00 dBm	82	Start Fre
5.0							1 <sup>1</sup>				DE1 -13.00 00m	82	Stop Fre 6.000000 MF
5.0	rha ann ann ann ann ann ann ann ann ann a	~~~~	·····	~~~~~	m	Man						<u>Auto</u>	CF Ste 400.000 kl M
5.0													Freq Offs
i5.0	324.000 M									- Snon-	.000 MHz	Log	Scale Typ
	sz4.000 M N 100 kHz			\$	¢νΒ₩	300 kHz			Sweep 2	span 4 2.000 ms (	.000 MHZ (1001 pts)		_
G									STATU	2			

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



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

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 114 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 114 of 213
© 2020 PCTEST			V 9.0 02/01/2019



	Spectrum Analy										_	
RL	RF	50 Ω [	DC COR			NSE:INT	#Avg Ty		TRACE	Feb 05, 2020	F	requency
			PN IFC	IO: Wide 🗔 Sain:Low	Trig: Fre Atten: 3		Avg Hold	d:>100/100	DE	A WWWWW A N N N N N		
								M	kr1 824.0	00 MHz		Auto Tur
0 dB/div og	Ref 2	5.00 dB	m						-29.65	57 dBm		
						Ĭ						Center Fre
5.0											82	4.000000 MI
.00						ſ	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	al any and an and		and a second and a second		Start Fr
											82	0.000000 MI
										0L1 -13.00 dBm		
5.0												Stop Fr
						M					82	8.000000 M
5.0						• <sup>1</sup>						
5.0	موسلام سهور ۲۰۰۰	Marthan	yanara	-your with	mont							CF St
											Auto	800.000 k M
5.0												
												Freq Offs
5.0												01
5.0												
												Scale Typ
enter 3	824.000 N	/H7							Snan 8	000 MHz	Log	L
	W 100 kH			#VBW	/ 300 kHz	*		Sweep	4.000 ms (1	1001 pt <u>s</u> )		
G								STAT	JS			

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



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

FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 115 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 115 of 213
© 2020 PCTEST			V 9.0 02/01/2019



	pectrum Analyz			000050	-					10.55.04.0			
RL	RF	50Ω C		CORREC PNO: W IFGain:L	ide 🖵	Trig: Fr Atten:		#Avg Ty	ALIGN AUTO	TRAC	M Feb 05, 2020 DE <b>1 2 3 4 5</b> 6 DE A WWWWW ET A N N N N N	Fre	quency
0 dB/div	Ref 25	.00 dBi	m						Mk	r1 823.9 -27.	64 MHz 71 dBm		Auto Tun
15.0													enter Fre DOOOOO MH
5.00									J*				Start Fre 000000 M⊦
25.0							1.				DL1 -13.00 dBm		<b>Stop Fre</b> 000000 м⊢
15.0	when the	~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	John						1.2 <u>Auto</u>	CF Ste 200000 MH Ma
5.0												F	req Offs 0 H
	24.000 M									Span 1	2.00 MHz	Log	cale Typ
Res BW	/ 150 kHz			7	ABM.	470 kH	Z		Sweep 1		1001 pts)		

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

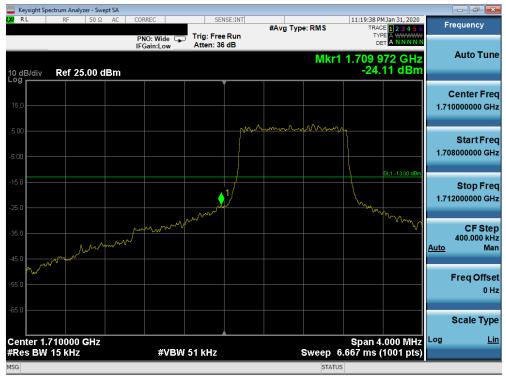


Plot 7-184. Upper Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

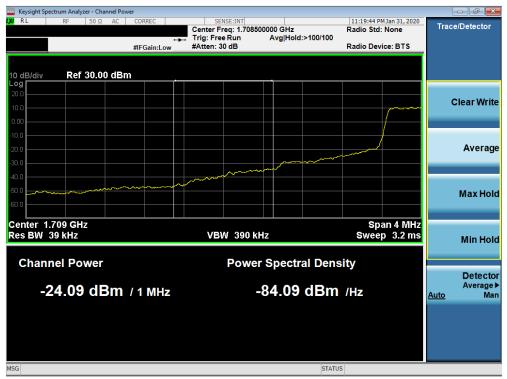
FCC ID: ZNFT600TS	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 116 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 116 of 213
© 2020 PCTEST		·	V 9.0 02/01/2019



## Band 66/4



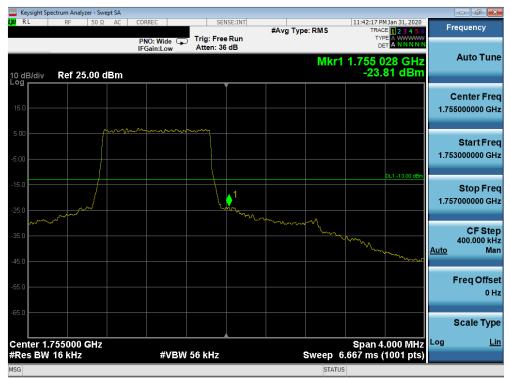
Plot 7-185. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)



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

FCC ID: ZNFT600TS	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 117 of 212
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 117 of 213
© 2020 PCTEST		·	V 9.0 02/01/2019





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



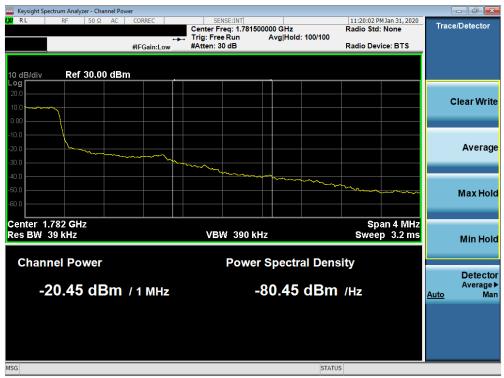
Plot 7-188. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<i>CTEST</i>	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 440 af 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 118 of 213
© 2020 PCTEST				V 9.0 02/01/2019



X/RL												
	RF 50	Ω AC	CORREC			NSE:INT	#Avg Ty	e: RMS		:58 PM Jan 31, 2020 TRACE 1 2 3 4 5 6	F	requency
			PNO: V IFGain:	Vide 🖵 Low	Trig: Free Atten: 36							
I0 dB/div	Ref 25.00	dBm						Mki	r1 1.78 ∹	0 024 GHz 23.55 dBm		Auto Tune
15.0												Center Free 0000000 GH
5.00			<u>~~~~</u>	yr mhae							1.77	Start Free 8000000 GH
25.0		}				1				DL1 -13.00 dBm	1.78	Stop Fre
35.0						~~~~v	mm	Jan Jaka	-	Immun	<u>Auto</u>	CF Ste 400.000 kH Ma
55.0												Freq Offse 0 H
65.0												Scale Typ
Center 1.78		z			64 1-11-			•	Spa	n 4.000 MHz	Log	Lir
Res BW 1	5 KHZ			#VBW	51 kHz			Sweep		ns (1001 pts)		

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



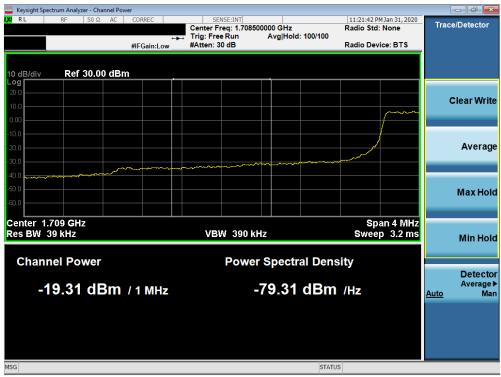
Plot 7-190. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<i>CTEST</i>	MEASUREMENT REPORT (CERTIFICATION)	🕑 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 440 af 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 119 of 213
© 2020 PCTEST	<u>.</u>			V 9.0 02/01/2019



	ectrum Analy		ot SA											
RL	RF	50 Ω	AC	CORREC			ISE:INT	#Avg Ty	pe: RMS	11:5	TRACE	Jan 31, 2020 1 2 3 4 5 6	F	requency
				PNO: Wi IFGain:Lo		Trig: Free Atten: 36					DE			
0 dB/div	Ref 25	5 00 di	Rm						Mk	r1 1.7	10 0 -22.7	00 GHz 7 dBm		Auto Tune
		7.00 u				,								
15.0														Center Freq
													1.71	0000000 GHz
5.00							ma	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~	~~~~~	-v-n-1-M		Start Fred
5.00													1.70	8000000 GHz
3.00												0L1 -13.00 dBm		
15.0							1							Stop Fred
25.0						ŋ	<b>`</b>						1.71	2000000 GHz
					www	www.ww								
35.0 <b>- Amure</b>	when with m	www	<sub>*</sub> /የዋላንኒሶላ	μφυν ·										CF Step 400.000 kHz
													<u>Auto</u>	Man
45.0														
55.0														Freq Offset 0 Hz
														5 Hz
65.0														Scale Type
	740000	<u></u>				,							Log	Lin
Center 1. Res BW		GHZ		#	VBW	130 kHz			Sweep			000 MHz 1001 pts)	209	<u></u>
SG					_				STA					

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



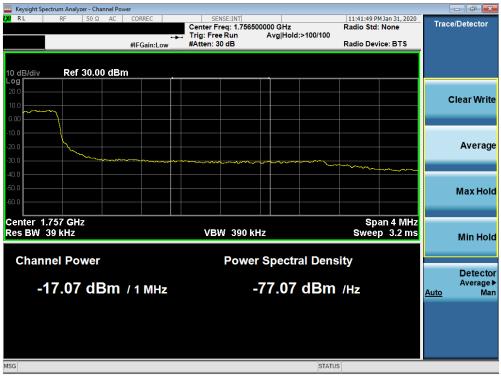
Plot 7-192. Lower Extended Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 400 af 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet		Page 120 of 213
© 2020 PCTEST				V 9.0 02/01/2019



									n Analyzer - Swe		
Frequency	4 PM Jan 31, 2020 RACE 1 2 3 4 5 6	TRAC	g Type: RMS	ISE:INT			CORREC	AC	F 50 Ω	_	K <mark>I</mark> RI
		TY D			Trig: Free Atten: 36	Vide 🖵 Low	PNO: W IFGain:L				
Auto Tune	5 008 GHz 2.27 dBm	1 1.755 ( -22.	Mkr					Bm	ef 25.00 d	3/div	IO dF
<b>.</b>											. <sup>ŏg</sup>
Center Free 1.755000000 GH											15.0
Start Free						mound	with and the second	alo your	ᢂᡊᢧ᠁ᡘᢘᡗᢔᡟᡡᢇᢇᡗᢧ	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5.00
1.753000000 GH											-5.00
	DL1 -13.00 dBm				Ļ						
Stop Free				1	t						15.0
1.757000000 GH				and the second s	V						25.0
CF Ster	mmmm	mmengen	mann	M March							
400.000 kH Auto Mar											35.0
											45.0
Freq Offse											
0 H											55.0
											65.0
Scale Type											
Log <u>Lii</u>		Span 4	_		40.0				000 GHz		
	s (1001 pts)		Sweep		130 kHz	#VBW			KHZ	s BW 36	RC4

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



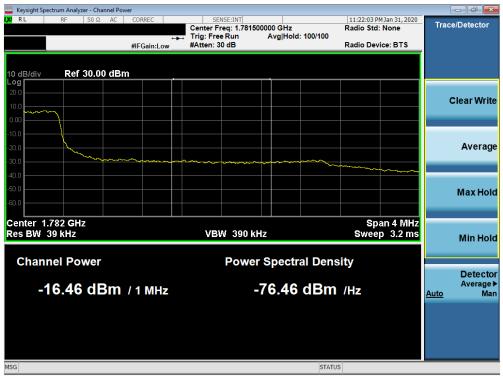
Plot 7-194. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<u>«PCTEST</u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	D 101 -f 010
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 121 of 213
© 2020 PCTEST			V 9.0 02/01/2019



RF	50 Ω	AC	CORREC				#Avg Ty	/pe: RMS	11:	TRAC	123456	F	requency
										TYPI DE			
								Mk	r1 1.7	80 0	00 GHz		Auto Tune
Ref 2	5.00 d	Bm								-22.7	79 dBm		
						Ĭ							Center Fred
												1.78	0000000 GH
	L-0420.00	ል እእጥታ	10.000		armat- a								
HI YAYA WI Y		r	00 00 0000	· •• /1 0/16 / 16									Start Free
												1.77	8000000 GH
											DL1 -13.00 dBm		
					4	1							Stop Free
					۱ ۱	La la						1.78	2000000 GH
						- WV	mann	www.ww	man		سورالغ ممريت معريات م		
													CF Stej 400.000 kH
												<u>Auto</u>	Ma
													Freq Offse
													0 H
													Scale Type
													Scale Type
	GHz							_				Log	<u>Li</u>
36 KHz				#VBW	130 kHz			Sweep	6.667	ms (′	1001 pts)		
	Ref 24	Ref 25.00 d       manufactoria       manufactoria	Ref 25.00 dBm	Ref     25.00 dBm       αλαγλίωστατη του ματροποίου       αλαγλίωστατη	Ref 25.00 dBm       ana Maximum Application       ana Maximu	RF     50 Ω     AC     CORREC     SE       PNO: Wide     Trig: Fre       IFGain:Low     Trig: Fre       Atten: 3	RF     50 Ω     AC     CORREC     SENSE:INT       PNO: Wide     Trig: Free Run       IFGain:Low     Trig: Free Run       Ref 25.00 dBm	RF     50 Ω     AC     CORREC     SENSE.INT       PNO: Wide     Trig: Free Run     Atten: 36 dB   Ref 25.00 dBm	RF         50 Ω         AC         CORREC         SENSE:INT         #Avg Type: RMS           PNO: Wide IFGain:Low         Trig: Free Run Atten: 36 dB         mk	RF         50 Ω         AC         CORREC         SENSE:INT         #Avg Type: RMS           PNO: Wide IFGain:Low         Trig: Free Run Atten: 36 dB         mKr1 1.7           Ref 25.00 dBm         0	RF         50 Ω         AC         CORREC         SENSE:INT         #Avg Type: RMS         TTRACT           PNO: Wide         Trig: Free Run         Mkr1 1.780.0         Trig: Free Run         mkr1 1.780.0           Ref 25.00 dBm         -22.7         -22.7         -22.7         -22.7           Automation         -22.7         -22.7         -22.7         -22.7	RF         50 Ω         AC         CORREC         SENSE:INT         #Avg Type: RMS         Trace         D2 34 5 6           PNO: Wide         Trig: Free Run IFGain:Low         Trig: Free Run Atten: 36 dB         #Avg Type: RMS         Trace         D2 34 5 6           Ref 25.00 dBm         -22.79 dBm         -22.79 dBm         -22.79 dBm           add/file         -22.79 dBm <td>RF         50 Ω         AC         CORREC         SENSE:INT         #Avg Type: RMS         Trace         2 3 4 5 000         F           PNO: Wide         Trig: Free Run         Mkr1 1.780 000 GHz         Trig: T</td>	RF         50 Ω         AC         CORREC         SENSE:INT         #Avg Type: RMS         Trace         2 3 4 5 000         F           PNO: Wide         Trig: Free Run         Mkr1 1.780 000 GHz         Trig: T

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



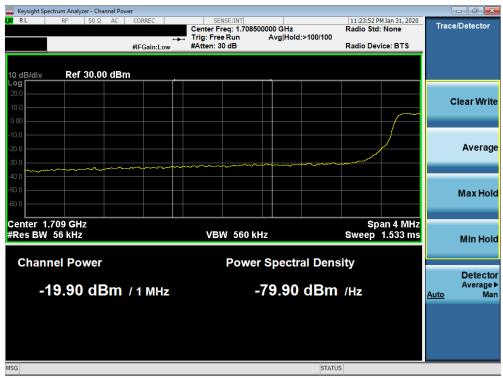
Plot 7-196. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFT600TS	<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:		Page 122 of 213
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	et	
© 2020 PCTEST		•		V 9.0 02/01/2019



	ectrum Analyzer										
X/RL	RF	50Ω AC	CORREC	SEN	ISE:INT	#Avg Typ	e RMS		M Jan 31, 2020	Fr	equency
			PNO: Wide 🖵 IFGain:Low	Trig: Free Atten: 36		#///g//jP		TY			
10 dB/div Log	Ref 25.0	0 dBm					Mkı	1 1.709 9 -24.	92 GHz 54 dBm		Auto Tune
				,							Center Freq
15.0										1.71	0000000 GHz
5.00					^	hand and a stand of the second se	*		elieselverray of the performance		Start Freq
-5.00										1.70	8000000 GHz
-15.0					a d <sup>h</sup>				DL1 -13.00 dBm		Stop Freq
-25.0					1.Y					1.71	2000000 GHz
-35.0	nnumnyn hendel	mbaset More	Man Malling	eren pol an araine							CF Step
										<u>Auto</u>	400.000 kHz Man
-45.0											Freq Offset
-55.0											0 Hz
-65.0											Scale Type
Center 1.7	710000 G	Hz						Span 4	.000 MHz	Log	Lin
#Res BW			#VBW	220 kHz			Sweep	6.667 ms			
MSG							STA	TUS			

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: ZNFT600TS	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 400 af 040
1M2001100004-03.ZNF	1/13 - 2/14/2020	Portable Tablet	Page 123 of 213	
© 2020 PCTEST				V 9.0 02/01/2019