

Plot 7-85. Conducted Spurious Plot (Band 4 – 5.0MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)

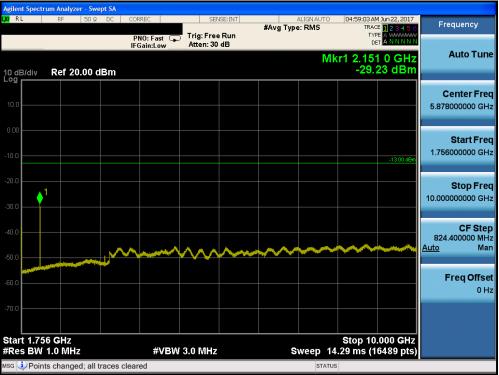


Plot 7-86. Conducted Spurious Plot (Band 4 – 5.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

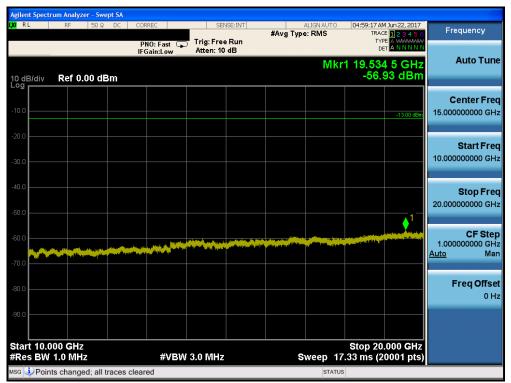
FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager				
Test Report S/N:	Test Dates:	EUT Type:	Dage C1 of 100				
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Plot 7-87. Conducted Spurious Plot (Band 4 – 5.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)



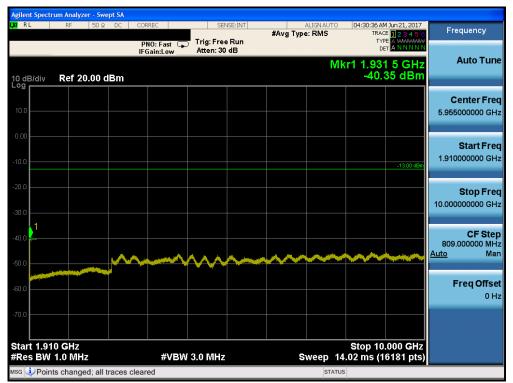
Plot 7-88. Conducted Spurious Plot (Band 4 – 5.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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Agilent Spectrum Analyzer - Swept SA					
LX/RL RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	04:30:20 AM Jun 21, 2017 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast 😱 IFGain:Low	Trig: Free Run Atten: 30 dB	ang type. tune	TYPE A WWWWWW DET A N N N N N	
10 dB/div Ref 20.00 dBm			Mk	r1 1.849 0 GHz -37.28 dBm	Auto Tune
10.0					Center Freq 939.500000 MHz
-10.0				-13.00 dBm	Start Freq 30.000000 MHz
-20.0				1	<b>Stop Freq</b> 1.849000000 GHz
-40.0					<b>CF Step</b> 181.900000 MHz <u>Auto</u> Man
-60.0 adultation of the second s	an digan ang ang ang ang ang ang ang ang ang	<u>mi ja dija di kalanda kana di kana di kalanda k</u>			<b>Freq Offset</b> 0 Hz
-70.0					
Start 30.0 MHz #Res BW 1.0 MHz	#VBW 3	B.0 MHz	Sweep 2	Stop 1.8490 GHz .425 ms (3639 pts)	
MSG 🗼 Points changed; all traces	cleared		STATUS		

Plot 7-89. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)



Plot 7-90. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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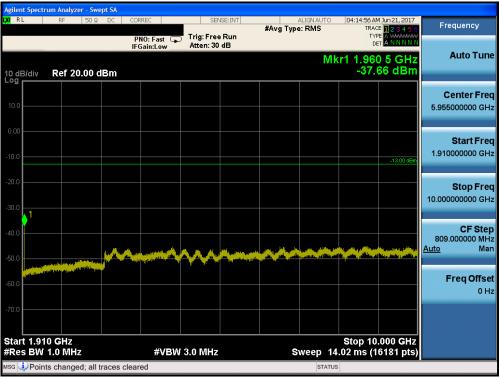
Plot 7-91. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)



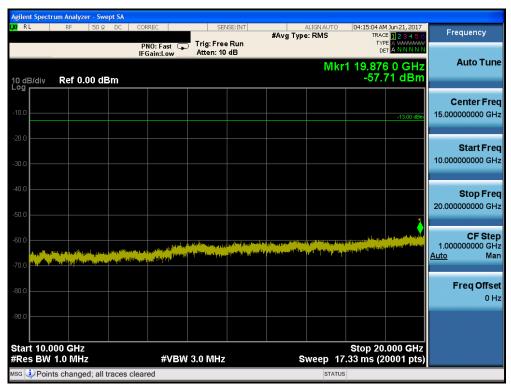
Plot 7-92. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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Plot 7-93. Conducted Spurious Plot (Band 2/25 - 1.4MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



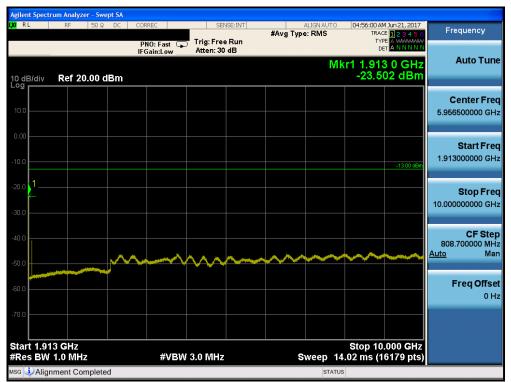
Plot 7-94. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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Agilent Spectru	ım Analyzer - Swep	t SA								
LXI RL	RF 50 Ω	DC COF	IREC	SEN	ISE:INT		ALIGN AUTO	04:36:11 AM	Jun 21, 2017	Frequency
		PI IF(	NO: Fast 🕞 Gain:Low	Trig: Free Atten: 30		#Avg Typ	e: RM5	TYPE DE1	123456 A WWWWW A NNNNN	
10 dB/div Log	Ref 20.00 dE	3m					Mk	r1 1.850 -53.8	0 GHz 5 dBm	Auto Tune
10.0										Center Freq 940.000000 MHz
-10.0									-13.00 dBm	Start Freq 30.000000 MHz
-20.0										Stop Freq 1.85000000 GHz
-40.0									1	CF Step 182.00000 MHz <u>Auto</u> Man
-60.0	and any star galaxy data want the start of the	an a	a kang sa katala kang		*********************	e fan de fan i de fan de fa Internet	**************************************			<b>Freq Offset</b> 0 Hz
-70.0 Start 30.0	MHz							Stop 1.8	500 CH-	
#Res BW 1			#VBW	/ 3.0 MHz			Sweep 2	.427 ms (3	641 pts)	
мsg 🧼 Alignn	ment Completed						STATUS	;		

Plot 7-95. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

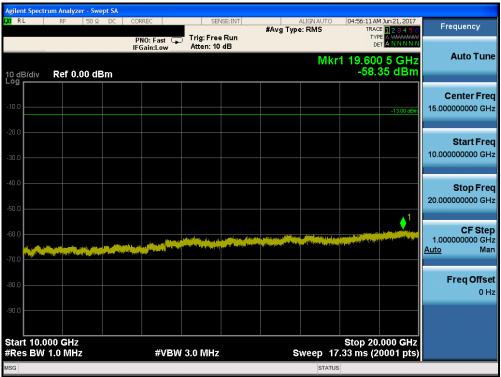


Plot 7-96. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage CC of 1CC	
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Plot 7-97. Conducted Spurious Plot (Band 2/25 – 1.4MHz QPSK – RB Size 1, RB Offset 0 – High Channel)



Plot 7-98. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0– Low Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage C7 of 100	
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	rum Analyzer -	Swept SA								
L <mark>XI</mark> RL	RF 50	DΩ DC	CORREC	SENSE	INT	#Avg Typ	ALIGN AUTO		AM Jun 23, 2017	Frequency
	Gate: LO		PNO: Fast 🖵 IFGain:Low	Trig: Free R Atten: 30 dl		#Avg typ	E. RIVIS	T	ACE 123456 YPE A WWWWW DET A NNNNN	
10 dB/div Log	Ref 20.00	0 dBm					Mł		04 0 GHz .05 dBm	Auto Tune
10.0										Center Freq 8.845000000 GHz
-10.0										<b>Start Freq</b> 2.690000000 GHz
-20.0									-25.00 dBm	<b>Stop Freq</b> 15.000000000 GHz
-40.0	, <u> </u>	~~~~		~~~~	~~~	~~~~		~~~~~	1 January Marcu	<b>CF Step</b> 1.231000000 GHz <u>Auto</u> Man
-60.0	~									<b>Freq Offset</b> 0 Hz
-70.0										
Start 2.69 #Res BW			#VBW	3.0 MHz		s	weep 1	Stop 1 23.1 ms (	5.000 GHz 24621 pts)	
MSG							STAT	US		

Plot 7-99. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)



Plot 7-100. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dere C0 of 100	
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	trum Analyzer - Sw	ept SA								
L <mark>XI</mark> RL	RF 50 Ω	DC CC	RREC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO		I Jun 23, 2017 E <mark>1 2 3 4 5 6</mark>	Frequency
	Gate: LO	F	PNO: Fast 😱 Gain:Low	Trig: Free Atten: 30		MOLA I M	e. 14115	TYP		
10 dB/div Log	Ref 20.00	dBm					Μ	kr1 2.478 -46.8	50 GHz 37 dBm	Auto Tune
10.0										Center Freq 1.263000000 GHz
0.00 -10.0										Start Freq 30.000000 MHz
-20.0									-25.00 dBm	<b>Stop Freq</b> 2.496000000 GHz
-40.0							الليرين ال	والمنتخف الم	1 Landersteine der Statistic	CF Step 246.600000 MHz <u>Auto</u> Man
-50.0	leting in the literation of the state of the	ni daga daga kata	, in the second seco	A Balanda and A Balancelores	rana ilan yang melin kata pada sarah					Freq Offset
-70.0										
Start 30 #Res BM	MHz V 1.0 MHz		#VBW	3.0 MHz			Sweep 2	Stop 2. 24.66 ms (4	496 GHz 1933 pts)	
MSG							STATU	S		

Plot 7-101. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)



Plot 7-102. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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Plot 7-103. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)



Plot 7-104. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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Plot 7-105. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)



Plot 7-106. Conducted Spurious Plot (Band 41 – 10.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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## 7.4 Band Edge Emissions at Antenna Terminal §2.1051, §22.917(a), §24.238(a), §27.53(c), §27.53(g), §27.53(h), §27.53(m)

### **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 for Band 41 is as noted in the Test Notes on the following page.

# The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P_{[Watts]})$ , where P is the transmitter power in Watts.

#### Test Procedure Used

KDB 971168 D01 v02r02 - 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 <u>></u> 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

#### 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.

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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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  $65 + 10\log_{10}(P) = -35dBm$  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.

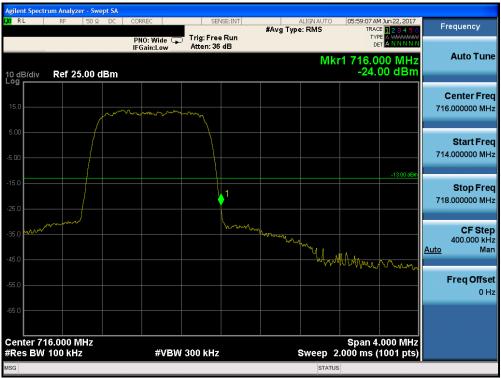
FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 70 of 100
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Plot 7-107. Lower Band Edge Plot (Band 12 – 1.4MHz QPSK – RB Size 6)



Plot 7-108. Upper Band Edge Plot (Band 12 – 1.4MHz QPSK – RB Size 6)

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Agilent Spect	rum Analyzer	- Swept SA						
LXI RL	RF	50Ω DC	CORREC	SENSE:INT		IAUTO	12:25:51 PM Jun 21, 2017	Frequency
			PNO: Wide 😱 IFGain:Low	Trig: Free Run Atten: 36 dB	#Avg Type: RM	AS .	TRACE 123456 TYPE A WWWWW DET A N N N N N	
10 dB/div Log	Ref 25.0	00 dBm				Mkr	1 698.000 MHz -37.57 dBm	Auto Tune
15.0								Center Freq 698.000000 MHz
-5.00								Start Freq 696.000000 MHz
-15.0						~	-13.00 dBm	Stop Freq 700.000000 MHz
-45.0		www		1	- Marine I	4		CF Step 400.000 kH <u>Auto</u> Mar
55.0	~~~~							Freq Offse 0 H:
-65.0	98.000 MH						Span 4.000 MHz	
#Res BW			#VBW	300 kHz	Swe		Span 4.000 MHz .000 ms (1001 pts)	
MSG						STATUS		

Plot 7-109. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - RB Size 15)



Plot 7-110. Upper Band Edge Plot (Band 12 – 3.0MHz QPSK – RB Size 15)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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Agilent Spect	rum Analyzer - Swept SA					
L <b>XI</b> RL	RF 50Ω DC	CORREC PNO: Wide 😱	SENSE:INT	ALIGN AUTO #Avg Type: RMS	11:55:56 AM Jun 21, 2017 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	Frequency
10 dB/div	Ref 25.00 dBm	IFGain:Low	Atten: 36 dB	Mk	r1 697.992 MHz -36.27 dBm	Auto Tune
						Center Freq 698.000000 MHz
-5.00						Start Freq 696.000000 MHz
-15.0				N <sup>N</sup>	/	Stop Freq 700.000000 MHz
-35.0	ung market and a second	, and the second se	1	mont a spin survey		<b>CF Step</b> 400.000 kHz <u>Auto</u> Man
-55.0						<b>Freq Offset</b> 0 Hz
-65.0						
Center 69 #Res BW	98.000 MHz 100 kHz	#VBW	300 kHz	Sweep 2	Span 4.000 MHz 2.000 ms (1001 pts)	
MSG				STATU	s	

Plot 7-111. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - RB Size 25)



Plot 7-112. Lower Band Edge Plot (Band 17 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Agilent Spectr	um Analyzer - Swept SA					
LX/IRL	RF 50 Ω DC	CORREC	SENSE:INT	ALIGNAUTO #Avg Type: RMS	11:57:47 AM Jun 21, 2017 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB			
10 dB/div Log	Ref 25.00 dBm			Mkı	1 716.000 MHz -26.948 dBm	Auto Tune
15.0						Center Freq 716.000000 MHz
-5.00	an a					Start Freq 714.000000 MHz
-15.0					-13.00 dBm	<b>Stop Freq</b> 718.000000 MHz
-35.0			- Com	A	mmmmmm	<b>CF Step</b> 400.000 kHz <u>Auto</u> Man
-55.0						<b>Freq Offset</b> 0 Hz
-65.0	6.000 MHz				Span 4.000 MHz	
#Res BW		#VBW	300 kHz		.000 ms (1001 pts)	
MSG				STATUS		

Plot 7-113. Upper Band Edge Plot (Band 12/17 - 5.0MHz QPSK - RB Size 25)



Plot 7-114. Lower Band Edge Plot (Band 12 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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Agilent Spectr	um Analyzer - !	Swept SA									
LXI RL	RF 50	Ω DC	CORREC	SENSE:II	NT TV		ALIGN AUTO	08:46:27 AM		E	requency
			PNO: Wide 😱 IFGain:Low	Trig: Free Ru Atten: 36 dB	n	#Avg Type	e: RMS	TYPE	123456 A WWWWW A N N N N N		
10 dB/div Log	Ref 25.00	) dBm					Mk	r1 703.99 -30.3	92 MHz 3 dBm		Auto Tune
15.0											Center Freq 4.000000 MHz
-5.00					$\int$	genge wing man	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		anuy Maka Jaha	700	Start Freq 0.000000 MHz
-15.0									-13.00 dBm	708	Stop Freq 3.000000 MHz
-35.0	Magnahailan			-market						<u>Auto</u>	<b>CF Step</b> 800.000 kHz Man
-55.0											Freq Offset 0 Hz
-65.0	4 000 MIL							Snon 94			
#Res BW	4.000 MHz 100 kHz		#VBW	300 kHz				.000 ms (1	000 MHz 001 pts)		
MSG							STATUS	8			

Plot 7-115. Lower Band Edge Plot (Band 17 – 10.0MHz QPSK – RB Size 50)



Plot 7-116. Upper Band Edge Plot (Band 12/17 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
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Plot 7-117. Lower Band Edge Plot (Band 13 – 5.0MHz QPSK – RB Size 25)



Plot 7-118. Lower Emission Mask Edge Plot (Band 13 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
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Agilent Spect	rum Analyzer - Swept SA								
LXI RL	RF 50Ω DC	CORREC	SEN	ISE:INT		ALIGN AUTO	06:08:57 AM Ju		Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Atten: 36		#Avg Type	e: RMS	TYPE	123456 A MAMMAN A NNNNN	
10 dB/div	Ref 25.00 dBm					Mk	r1 787.00 -26.69	0 MHz 9 dBm	Auto Tune
15.0									Center Freq 787.000000 MHz
-5.00									Start Freq 785.000000 MHz
-15.0				1				-13.00 dBm	<b>Stop Freq</b> 789.000000 MHz
-35.0				hun	m	the color and	vr	na n	<b>CF Step</b> 400.000 kHz <u>Auto</u> Man
-55.0									<b>Freq Offset</b> 0 Hz
-65.0									
Center 78 #Res BW	37.000 MHz 100 kHz	#VBW	300 kHz			Sweep 2	Span 4.0 2.000 ms (10	00 MHz 001 pts)	
MSG						STATU	IS		

Plot 7-119. Upper Band Edge Plot (Band 13 – 5.0MHz QPSK – RB Size 25)



Plot 7-120. Upper Emission Mask Edge Plot (Band 13 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 90 of 100	
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Plot 7-121. Lower Band Edge Plot (Band 13 – 10.0MHz QPSK – RB Size 50)



Plot 7-122. Lower Emission Mask Edge Plot (Band 13 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dege 01 of 100			
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	rum Analyzer - Swept SA					
0 RL	RF 50Ω DC	CORREC PNO: Wide 😱 IFGain:Low	SENSE:INT Trig: Free Run Atten: 36 dB	ALIGNAUTO #Avg Type: RMS	06:23:35 AM Jun 22, 2017 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A NNNNN	Frequency
0 dB/div	Ref 25.00 dBm			Mkı	1 787.000 MHz -31.69 dBm	Auto Tun
15.0						Center Fre 787.000000 M⊦
5.00 <b></b>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	an a				Start Fre 783.000000 M⊦
25.0					-13.00 dBm	Stop Fre 791.000000 M⊦
15.0 <b></b>				and a week product the fact way and a production	work and the second	CF Ste 800.000 kH <u>Auto</u> Ma
55.0						Freq Offs 0 H
65.0						
	87.000 MHz 100 kHz	#VBW	300 kHz	Sweep 4	Span 8.000 MHz .000 ms (1001 pts)	
G				STATUS	; ;	

Plot 7-123. Upper Band Edge Plot (Band 13 – 10.0MHz QPSK – RB Size 50)



Plot 7-124. Upper Emission Mask Edge Plot (Band 13 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dage 00 of 100			
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Plot 7-125. Lower Band Edge Plot (Band 5/26 – 1.4MHz QPSK – RB Size 6)



Plot 7-126. Upper Band Edge Plot (Band 5/26 – 1.4MHz QPSK – RB Size 6)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dage 82 of 100			
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Agilent Spect	rum Analyzer - Sv	vept SA									
LXIRL	RF 50 \$	2 DC (	ORREC	SEN	ISE:INT	#Avg Type			4 Jun 21, 2017 E <b>1 2 3 4 5 6</b>	Fre	quency
			PNO: Wide 🖵 IFGain:Low	Trig: Free Atten: 36		#Avg typ	e. RMS	TVE			
10 dB/div	Ref 25.00	dBm					Mk	(r1 824.0 -21.	00 MHz 60 dBm		luto Tune
15.0						mm	h		www		enter Freq 00000 MHz
-5.00											Start Freq 00000 MHz
-15.0					1				-13.00 dBm		Stop Freq 00000 MHz
-35.0	wwwwwww	Allworth	non the stand and the stand an	Mar Part						4 <u>Auto</u>	<b>CF Step</b> 00.000 kHz Man
-55.0										Fi	re <b>q Offset</b> 0 Hz
-65.0											
Center 82 #Res BW	24.000 MHz 100 kHz		#VBW	300 kHz			Sweep	Span 4 2.000 ms (	.000 MHz 1001 pts)		
MSG							STATU	JS			

Plot 7-127. Lower Band Edge Plot (Band 5/26 - 3.0MHz QPSK - RB Size 15)



Plot 7-128. Upper Band Edge Plot (Band 5/26 – 3.0MHz QPSK – RB Size 15)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dage 04 of 100			
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	um Analyzer - Sv										
L <mark>XI</mark> RL	RF 50 :	Ω DC	CORREC	SENSE	INT	#Avg Type	ALIGN AUTO		Jun 21, 2017	F	requency
			PNO: Wide 🖵 IFGain:Low	Trig: Free F Atten: 36 d	lun B	#Avg iype	e: RIVIS	TYP DE	E 1 2 3 4 5 6 E A WWWWW T A N N N N N		
10 dB/div Log	Ref 25.00	dBm					Mki	1 823.9 -26.1	96 MHz I7 dBm		Auto Tune
15.0											<b>Center Freq</b> 4.000000 MHz
-5.00									~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	82	Start Freq 2.000000 MHz
-15.0									-13,00 dBm	82	Stop Freq 6.000000 MHz
-35.0	muhan	der mente	www.www.www.	~~~~^//						<u>Auto</u>	<b>CF Step</b> 400.000 kHz Man
-55.0											Freq Offset 0 Hz
-65.0											
Center 82 #Res BW	4.000 MHz 100 kHz		#VBW	300 kHz			Sweep 2	Span 4. .000 ms (	000 MHz 1001 pts)		
MSG							STATUS				

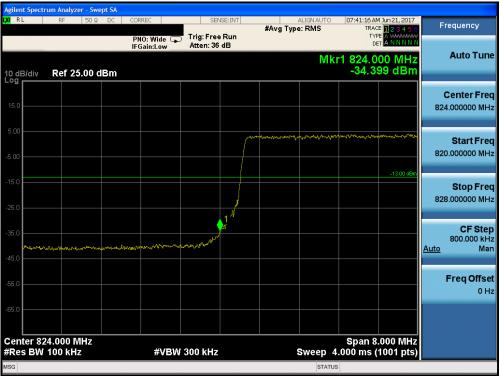
Plot 7-129. Lower Band Edge Plot (Band 5/26 - 5.0MHz QPSK - RB Size 25)



Plot 7-130. Upper Band Edge Plot (Band 5/26 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 05 of 100		
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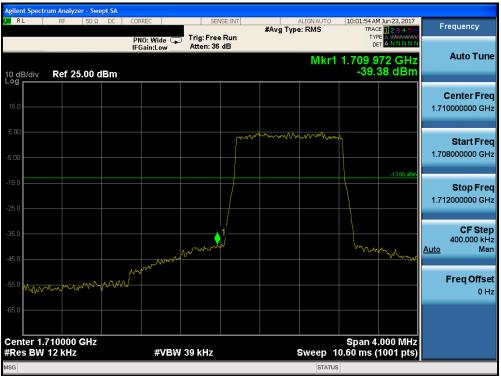
Plot 7-131. Lower Band Edge Plot (Band 5/26 - 10.0MHz QPSK - RB Size 50)



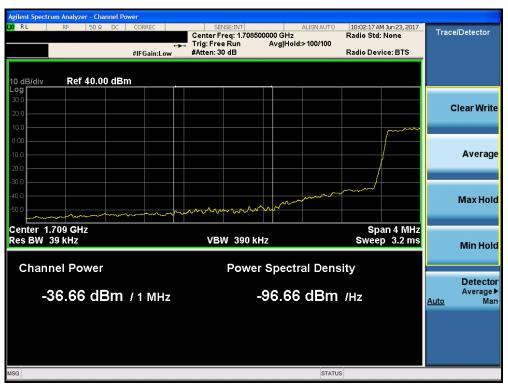
Plot 7-132. Upper Band Edge Plot (Band 5/26 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 90 of 100		
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Plot 7-133. Lower Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)



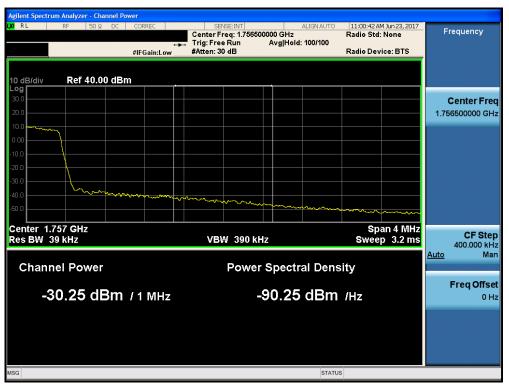
Plot 7-134. Lower Extended Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dege 97 of 100		
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Plot 7-135. Upper Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)



Plot 7-136. Upper Extended Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

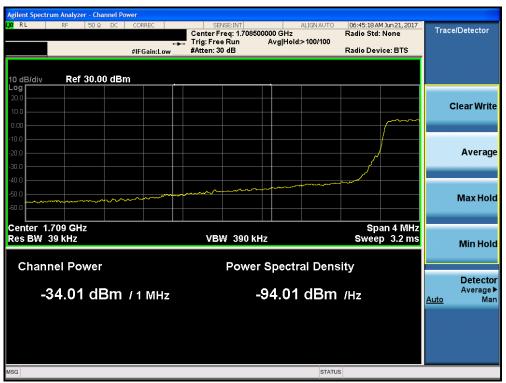
FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 89 of 100		
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Agilent Spect	rum Analyzer - Swept SA					
LXI RL	RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	06:44:50 AM Jun 21, 2017 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB	Hory Type, Nills	TYPE A WWWWW DET A N N N N N	
10 dB/div Log	Ref 25.00 dBm			Mkı	1 1.710 000 GHz -29.433 dBm	Auto Tune
15.0						Center Freq 1.710000000 GHz
-5.00				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<b>Start Freq</b> 1.708000000 GHz
-15.0			1_		-13.00 dBm	<b>Stop Freq</b> 1.712000000 GHz
-35.0		~~~~				CF Step 400.000 kHz <u>Auto</u> Man
-43.0	~~~~~					Freq Offset 0 Hz
-65.0						
Center 1. #Res BW	710000 GHz 30 kHz	#VBW	91 kHz	Sweep	Span 4.000 MHz 2.000 ms (1001 pts)	
MSG				STAT	US	

Plot 7-137. Lower Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)



Plot 7-138. Lower Extended Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

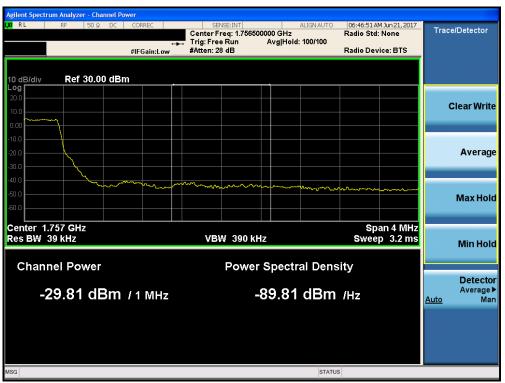
FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 80 of 100		
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	um Analyzer - Swept SA								
XU RL	RF 50Ω DC	CORREC PNO: Wide C IFGain:Low	Trig: Free Atten: 36		#Avg Typ	ALIGN AUTO	TRAC	M Jun 21, 2017 26 <b>1 2 3 4 5 6</b> 26 A <del>Manada</del> Et <mark>A N N N N N</mark>	Frequency
0 dB/div	Ref 25.00 dBm					Mkr1	1.755 0 -27.	00 GHz 71 dBm	Auto Tun
15.0									<b>Center Fre</b> 1.755000000 GH
5.00	·····								Start Fre 1.753000000 GH
25.0				1				-13.00 dBm	Stop Fre 1.757000000 G⊦
15.0									CF Ste 400.000 kH <u>Auto</u> Ma
5.0									Freq Offso 0 ⊦
65.0									
enter 1. Res BW	755000 GHz 30 kHz	#VBW	91 kHz			Sweep 2	Span 4 2.000 ms (	.000 MHz 1001 pts)	
SG						STATU	S		

Plot 7-139. Upper Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)



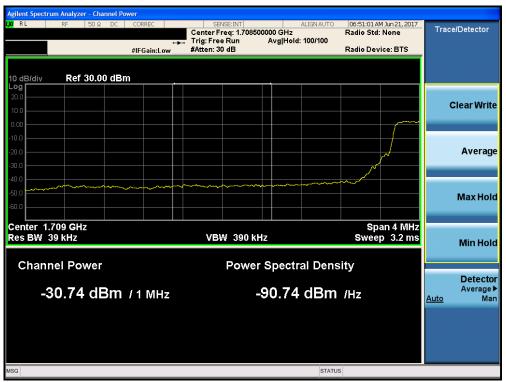
Plot 7-140. Upper Extended Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 00 of 100		
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Agilent Spect	rum Analyzer - Swep	ot SA				
LXI RL	RF 50 Ω	DC CORREC	SENSE:INT	ALIGN AUTO	06:50:11 AM Jun 21, 2017	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB	#Avg Type: RMS	TRACE 123456 TYPE A WWWWW DET A N N N N N	
10 dB/div Log	Ref 25.00 dl	Bm		Mkr1	1.709 992 GHz -30.93 dBm	Auto Tune
15.0						Center Freq 1.710000000 GHz
-5.00						Start Freq 1.708000000 GHz
-15.0			1,		-13.00 dBm	<b>Stop Freq</b> 1.712000000 GHz
-35.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······································	~~~			CF Step 400.000 kHz <u>Auto</u> Man
-55.0						Freq Offset 0 Hz
-65.0						
Center 1. #Res BW	710000 GHz 51 kHz	#VBW	150 kHz	Sweep 2	Span 4.000 MHz 2.000 ms (1001 pts)	
MSG				STATU	S	

Plot 7-141. Lower Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)



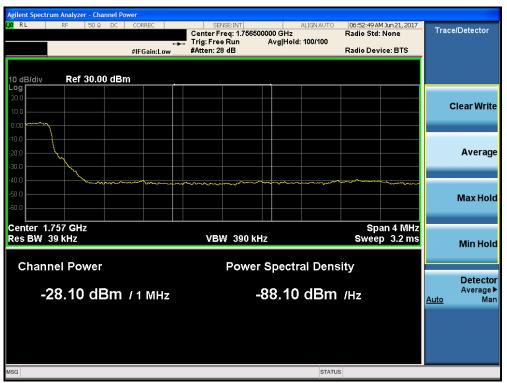
Plot 7-142. Lower Extended Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 01 of 100		
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	um Analyzer - Swept SA								
X/RL	RF 50Ω DC		SEN	SE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRAC	4 Jun 21, 2017 E <mark>1 2 3 4 5 6</mark> E A WWWWW	Frequency
		PNO: Wide 😱 IFGain:Low	Atten: 36			Miland	DE		Auto Tune
10 dB/div Log	Ref 25.00 dBm					IVIKE	1.755 0 -30.0	04 GHZ 02 dBm	
									Center Freq
15.0									1.755000000 GHz
5.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~						Start Freq
-5.00									1.753000000 GHz
-15.0								-13.00 dBm	Stop Fred
-25.0				.1					1.757000000 GHz
			N	\					CF Step
35.0				han	Jow Mark	~~~~~	m m m m m m m m m m m m m m m m m m m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	400.000 kH; Auto Mar
-45.0									
-55.0									Freq Offset
-65.0									011
Center 1.7 #Res BW	755000 GHz 51 kHz	#VBW	150 kHz			Sweep 2	Span 4 000 ms (	.000 MHz 1001 pts)	
4sg 🗼 Align	ment Completed					STATUS	1		

Plot 7-143. Upper Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)



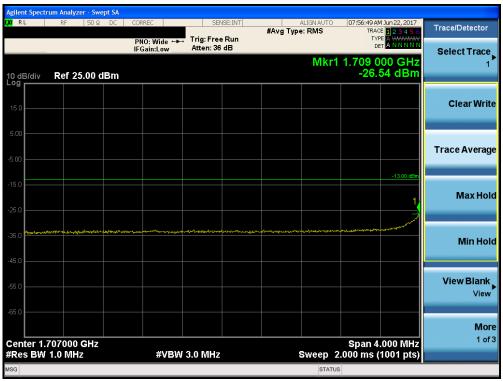
Plot 7-144. Upper Extended Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dage 00 of 100		
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Agilent Spect	rum Analyzer - Swept SA						
LXI RL	RF 50 Ω DC	CORREC	SENSE:INT		ALIGN AUTO	05:29:48 AM Jun 22, 2017 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB	#AVg I)	rpe: RMS		
10 dB/div Log	Ref 25.00 dBm				Mkr1	1.710 000 GHz -35.655 dBm	Auto Tune
15.0							Center Freq 1.710000000 GHz
-5.00					town the start of		Start Freq 1.706000000 GHz
-15.0			ار لىم			-13.00 dBm	<b>Stop Freq</b> 1.714000000 GHz
-35.0	Contraction of the second seco	monorm	1'				CF Step 800.000 kHz <u>Auto</u> Man
-55.0							<b>Freq Offset</b> 0 Hz
-65.0							
Center 1. #Res BW	710000 GHz 56 kHz	#VBW	180 kHz		Sweep 4	Span 8.000 MHz .000 ms (1001 pts)	
MSG					STATUS	3	

Plot 7-145. Lower Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)



Plot 7-146. Lower Extended Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Agilent Spectr	um Analyzer - Swept SA								
LXIRL	RF 50Ω DC	CORREC	SENS	E:INT	#Avg Type	ALIGN AUTO E: RMS	TRAC	I Jun 21, 2017	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Atten: 36				TYP DE		
10 dB/div	Ref 25.00 dBm					Mkr1	1.755 0 -33.2	00 GHz I0 dBm	Auto Tune
15.0									Center Freq 1.755000000 GHz
5.00	un an	menter to mark the	$\sim$						Start Freq 1.751000000 GHz
-15.0								-13.00 dBm	<b>Stop Freq</b> 1.759000000 GHz
-35.0			- MAN	1 Mayonalper	www.www.	muquieseny	www.www.	anger ang	<b>CF Step</b> 800.000 kHz <u>Auto</u> Man
-45.0									Freq Offset 0 Hz
-65.0									
Center 1. #Res BW	755000 GHz 100 kHz	#VBW	300 kHz			Sweep 4	Span 8. .000 ms (	000 MHz 1001 pts)	
MSG						STATUS	5		

Plot 7-147. Upper Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)



Plot 7-148. Upper Extended Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

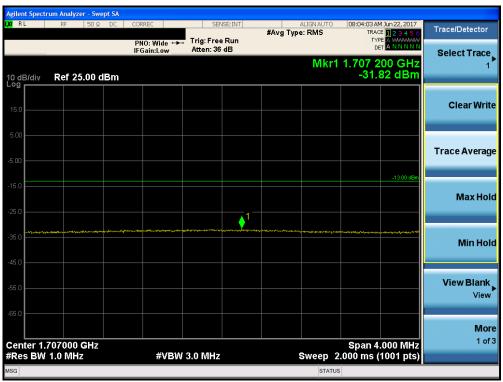
FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 94 of 166
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Agilent Spectrum Analyzer - S	wept SA				
(X) RL RF 50	Ω DC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	05:41:26 AM Jun 22, 2017 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB	#Avg Type. RWS	TYPE A WWWWW DET A NNNNN	
10 dB/div Ref 25.00	dBm		Mkr1	1.710 000 GHz -34.48 dBm	Auto Tune
15.0					Center Freq 1.710000000 GHz
-5.00				- marine - m 	Start Freq 1.704000000 GHz
-15.0				-13.00 dBm	<b>Stop Freq</b> 1.716000000 GHz
-35.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	11			<b>CF Step</b> 1.200000 MHz <u>Auto</u> Man
-55.0					Freq Offset 0 Hz
-65.0					
Center 1.710000 GHz #Res BW 150 kHz		470 kHz	Sweep 1	Span 12.00 MHz .000 ms (1001 pts)	
MSG			STATUS		

Plot 7-149. Lower Band Edge Plot (Band 4 – 15.0MHz QPSK – RB Size 75)



Plot 7-150. Lower Extended Band Edge Plot (Band 4 – 15.0MHz QPSK – RB Size 75)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage OF of 100
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Agilent Spectr	um Analyzer - Swept SA					
L <mark>XI</mark> RL	RF 50Ω DC		SENSE:INT	ALIGN AUTO #Avg Type: RMS	05:39:29 AM Jun 22, 2017 TRACE 1 2 3 4 5 6 TYPE A MANAAAAA	Frequency
		PNO: Wide 🖵 IFGain:Low	Atten: 36 dB			Auto Tune
10 dB/div Log	Ref 25.00 dBm			IVIKT1	1.755 000 GHz -31.24 dBm	
15.0						Center Freq 1.755000000 GHz
-5.00		www.www.www	$\gamma$			<b>Start Freq</b> 1.749000000 GHz
-15.0					-13.00 dBm	Stop Freq
-25.0			hand 1		an and a constant	CF Step 1.200000 MHz
-45.0						<u>Auto</u> Man
-55.0						Freq Offset 0 Hz
-65.0						
Center 1.7 #Res BW	755000 GHz 150 kHz	#VBW	470 kHz	Sweep 1	Span 12.00 MHz .000 ms (1001 pts)	
MSG				STATUS	5	

Plot 7-151. Upper Band Edge Plot (Band 4 – 15.0MHz QPSK – RB Size 75)



Plot 7-152. Upper Extended Band Edge Plot (Band 4 – 15.0MHz QPSK – RB Size 75)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage OC of 100
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Agilent S	Spectrum Anal	yzer - Swe	pt SA										
L <mark>XI</mark> RL	RF	50 Ω	DC	CORREC		SEI	VSE:INT			ALIGN AUTO		AM Jun 22, 2017	Frequency
				PNO: W IFGain:L	ide 😱 .ow	Trig: Free Atten: 36			#Avg Typ	e: RMS	1	ACE 123456 YPE A WWWWW DET A NNNNN	
10 dB/e	div <b>Ref</b>	25.00 d	Bm							Mkr1	1.709 -32	968 GHz .84 dBm	Auto Tune
15.0													Center Freq 1.710000000 GHz
-5.00								m	what when		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<b>Start Freq</b> 1.702000000 GHz
-15.0												-13.00 dBm	<b>Stop Freq</b> 1.718000000 GHz
-35.0	20-09 84-0-0-0-0-0-0-0-0-0-0-	ᠰᡢᢇ᠕	w	w		and and a start and	1 Net						<b>CF Step</b> 1.600000 MHz <u>Auto</u> Man
-55.0 —													Freq Offset 0 Hz
-65.0													
	er 1.71000 BW 200 k			\$	VBW	620 kHz				Sweep ′	Span 1.000 ms	16.00 MHz (1001 pts)	
MSG										STATU	IS		

Plot 7-153. Lower Band Edge Plot (Band 4 – 20.0MHz QPSK – RB Size 100)



Plot 7-154. Lower Extended Band Edge Plot (Band 4 – 20.0MHz QPSK – RB Size 100)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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PNO: Wide      Trig: Free Run Atten: 36 dB      Mkr1 1.755 208 GHz -30.51 dBm      Auto        10 dB/div      Ref 25.00 dBm      -30.51 dBm <th>Agilent Spect XI R L</th> <th>rum Analyzer - Swept SA RF 50 Ω DC</th> <th>CORREC</th> <th>SEN</th> <th>ISE:INT</th> <th></th> <th>ALIGN AUTO</th> <th></th> <th>4 Jun 22, 2017</th> <th>-</th> <th></th>	Agilent Spect XI R L	rum Analyzer - Swept SA RF 50 Ω DC	CORREC	SEN	ISE:INT		ALIGN AUTO		4 Jun 22, 2017	-	
OpenSite    Ref 25.00 dBm    Cente      0				Trig: Free Atten: 36	Run dB	#Avg Typ	e: RMS	TYP	E A WANNANA	Frequenc	
Cente    1.7550000      500    1.7550000      500    1.7750000      500    1.7770000      500    1.7770000      500    1.7770000      500    1.77630000      500    1.77630000      500    1.77630000      500    1.77630000      500		Ref 25.00 dBm					Mkr1	1.755 2 -30.3	08 GHz 51 dBm	Auto 1	fun
5.00	15.0									Center 1.755000000	
5.0  5.0 <td>1. June 1.</td> <td>Marine Carlinger, Marine Court</td> <td>en have been a</td> <td>~</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Start   1.747000000</td> <td></td>	1. June 1.	Marine Carlinger, Marine Court	en have been a	~						Start   1.747000000	
1.60000 1.500 5.0 Freq 0 5.0 Freq 0					<b>1</b>				-13.00 dBm	<b>Stop</b>   1.763000000	
5.0 Freq (				- ' (		wernen	hone man	- Mar Mary M	wn_ <sub>au</sub> m	CF : 1.600000 <u>Auto</u>	
										Freq O	ffs 0⊦
	65.0										
enter 1.755000 GHz Span 16.00 MHz Res BW 200 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts)			#VBW	620 kHz			Sweep 1	Span 1 .000 ms (	6.00 MHz 1001 pts)		

Plot 7-155. Upper Band Edge Plot (Band 4 – 20.0MHz QPSK – RB Size 100)



Plot 7-156. Upper Extended Band Edge Plot (Band 4 – 20.0MHz QPSK – RB Size 100)

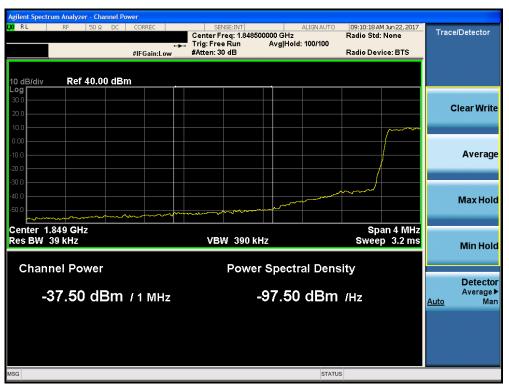
FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 00 of 100
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Plot 7-157. Lower Band Edge Plot (Band 2/25 – 1.4MHz QPSK – RB Size 6)



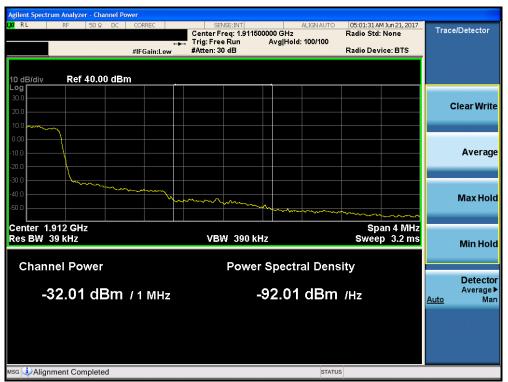
Plot 7-158. Lower Extended Band Edge Plot (Band 2/25 – 1.4MHz QPSK – RB Size 6)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Demo 00 of 100
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Plot 7-159. Upper Band Edge Plot (Band 2 – 1.4MHz QPSK – RB Size 6)



Plot 7-160. Upper Extended Band Edge Plot (Band 2 – 1.4MHz QPSK – RB Size 6)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 100 of 100
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Plot 7-161. Upper Band Edge Plot (Band 25 – 1.4MHz QPSK – RB Size 6)



Plot 7-162. Upper Extended Band Edge Plot (Band 25 – 1.4MHz QPSK – RB Size 6)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 101 of 100
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Agilent Spectr	um Analyzer - Swept S	A				
L <mark>XI</mark> RL	RF 50 Ω D0		SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:21:13 AM Jun 22, 2017 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide 🖵 IFGain:Low	Atten: 36 dB			Auto Tune
10 dB/div Log	Ref 25.00 dBn	n		Mkr1	1.849 996 GHz -29.01 dBm	Auto Tune
15.0						Center Freq 1.85000000 GHz
-5.00						Start Freq 1.848000000 GHz
-15.0			1			<b>Stop Freq</b> 1.852000000 GHz
-35.0			~			<b>CF Step</b> 400.000 kHz <u>Auto</u> Man
-55.0						<b>Freq Offset</b> 0 Hz
-65.0						
Center 1.8 #Res BW	850000 GHz 30 kHz	#VBW !	91 kHz	Sweep 2	Span 4.000 MHz 2.000 ms (1001 pts)	
MSG				STATUS	3	

Plot 7-163. Lower Band Edge Plot (Band 2/25 - 3.0MHz QPSK - RB Size 15)



Plot 7-164. Lower Extended Band Edge Plot (Band 2/25 – 3.0MHz QPSK – RB Size 15)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Bage 102 of 166
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Agilent Spectr	rum Analyzer - Swept SA								
LX/IRL	RF 50Ω DC	CORREC	SEN	ISE:INT	#Avg Typ	ALIGNAUTO		M Jun 21, 2017 CE <mark>1 2 3 4 5 6</mark>	Frequency
		PNO: Wide 😱 IFGain:Low	Trig: Free Atten: 36				TY D		
10 dB/div Log	Ref 25.00 dBm					Mkr	1 1.910 ( -28.	00 GHz 35 dBm	Auto Tune
15.0									Center Freq 1.910000000 GHz
-5.00									<b>Start Freq</b> 1.908000000 GHz
-15.0				1				-13.00 dBm	<b>Stop Freq</b> 1.912000000 GHz
-35.0				L.	······	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1	<b>CF Step</b> 400.000 kHz <u>Auto</u> Man
-55.0									Freq Offset 0 Hz
-65.0									
Center 1.9 #Res BW	910000 GHz 30 kHz	#VBW	91 kHz			Sweep	Span 4 2.000 ms (	.000 MHz (1001 pts)	
MSG						STATU	JS		

Plot 7-165. Upper Band Edge Plot (Band 2 – 3.0MHz QPSK – RB Size 15)



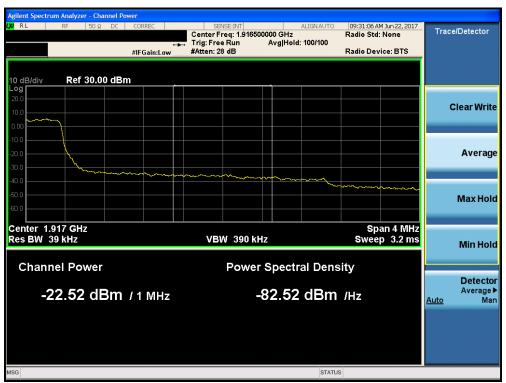
Plot 7-166. Upper Extended Band Edge Plot (Band 2 – 3.0MHz QPSK – RB Size 15)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 102 of 100
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RL RF 50Ω DC	CORREC	SENSE:II		ALIGNAUTO Type: RMS	09:30:53 AM Jun 22, 2017	Frequency
	PNO: Wide 🆵 IFGain:Low	Trig: Free Ru Atten: 36 dB		. )	TRACE 12345( TYPE A WWWWW DET A N N N N	
dB/div Ref 25.00 dBm				Mkr1	1.915 000 GHz -27.53 dBm	Auto Tune
5.0						Center Fred 1.915000000 GH
5.00	~~~~~					<b>Start Fre</b> 1.913000000 GH
5.0					-13.00 dBr	<b>Stop Fre</b> 1.917000000 GH
5.0			<u> </u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CF Ste 400.000 k⊢ <u>Auto</u> Ma
5.0						Freq Offso 0 ⊦
5.0						
enter 1.915000 GHz Res BW 30 kHz	#VBW	91 kHz	,	Sweep 2	Span 4.000 MHz .000 ms (1001 pts	

Plot 7-167. Upper Band Edge Plot (Band 25 – 3.0MHz QPSK – RB Size 15)



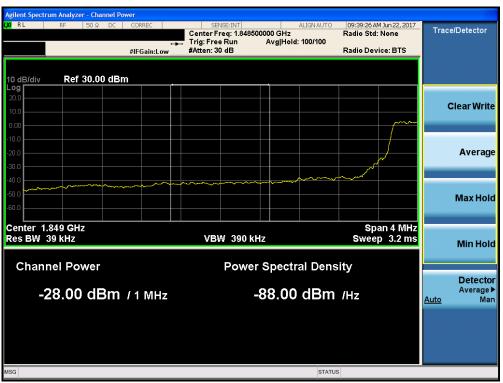
Plot 7-168. Upper Extended Band Edge Plot (Band 25 – 3.0MHz QPSK – RB Size 15)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 104 of 100	
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Agilent Spectru	m Analyzer - Swept SA					
I,XI RL	RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:38:53 AM Jun 22, 2017 TRACE <b>1 2 3 4 5 6</b>	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB		TYPE A WAWAAA DET A N N N N N	
10 dB/div Log	Ref 25.00 dBm			Mkr1	1.849 996 GHz -30.82 dBm	Auto Tune
15.0						Center Freq 1.850000000 GHz
-5.00						Start Freq 1.848000000 GHz
-15.0			1,		-13.00 dBm	<b>Stop Freq</b> 1.852000000 GHz
-35.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				CF Step 400.000 kHz <u>Auto</u> Man
-55.0						Freq Offset 0 Hz
-65.0						
Center 1.8 #Res BW 5		#VBW	150 kHz	Sweep 2	Span 4.000 MHz 2.000 ms (1001 pts)	
MSG				STATU	s	

Plot 7-169. Lower Band Edge Plot (Band 2/25 - 5.0MHz QPSK - RB Size 25)



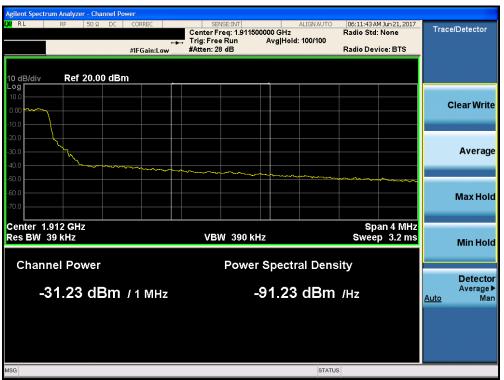
Plot 7-170. Lower Extended Band Edge Plot (Band 2/25 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dege 105 of 100	
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Plot 7-171. Upper Band Edge Plot (Band 2 – 5.0MHz QPSK – RB Size 25)



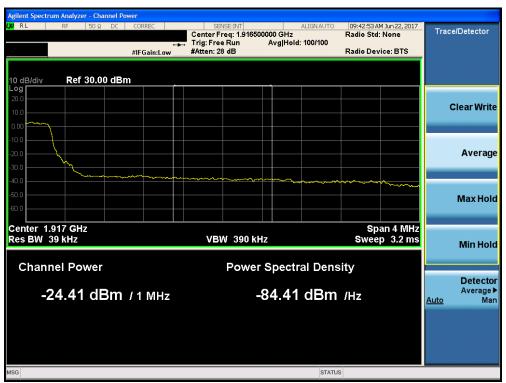
Plot 7-172. Upper Extended Band Edge Plot (Band 2 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 100 of 100	
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Plot 7-173. Upper Band Edge Plot (Band 25 – 5.0MHz QPSK – RB Size 25)



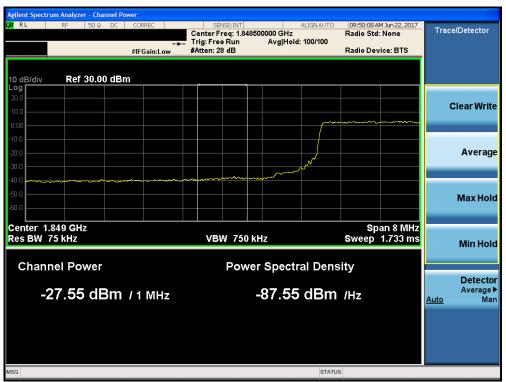
Plot 7-174. Upper Extended Band Edge Plot (Band 25 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 107 of 100	
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Plot 7-175. Lower Band Edge Plot (Band 2/25 – 10.0MHz QPSK – RB Size 50)



Plot 7-176. Lower Extended Band Edge Plot (Band 2/25 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 100 of 100	
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Agilent Spect	rum Analyzer - Swept SA								
X/RL	RF   50 Ω DC	CORREC PNO: Wide C IFGain:Low	SEN Trig: Free Atten: 36		#Avg Type	ERMS	TRACI	Jun 21, 2017 1 2 3 4 5 6 E A WWWWW A N N N N N	Frequency
10 dB/div	Ref 25.00 dBm	II Gall.Cow				Mkr1	1.910 0 -32.6	16 GHz 61 dBm	Auto Tur
15.0									Center Fre 1.910000000 GF
5.00 -5.00	Manual production of productions	www.Aminenterne	n-ul						Start Fre 1.906000000 GH
25.0				.1				-13.00 dBm	<b>Stop Fre</b> 1.914000000 GH
45.0			Mary		ilmiyahanilahili	and the form	nagentrymynyn	walkata bura	CF Ste 800.000 kł <u>Auto</u> Ma
55.0									Freq Offs 0 H
.65.0									
	910000 GHz 100 kHz	#VBW	300 kHz		ę	Sweep 4	Span 8. 4.000 ms (′	000 MHz 1001 pts)	
ISG						STATU	IS		

Plot 7-177. Upper Band Edge Plot (Band 2 – 10.0MHz QPSK – RB Size 50)



Plot 7-178. Upper Extended Band Edge Plot (Band 2 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 100 of 100	
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Plot 7-179. Upper Band Edge Plot (Band 25 – 10.0MHz QPSK – RB Size 50)



Plot 7-180. Upper Extended Band Edge Plot (Band 25 – 10.0MHz QPSK – RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 110 of 166	
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Plot 7-181. Lower Band Edge Plot (Band 2/25 – 15.0MHz QPSK – RB Size 75)



Plot 7-182. Lower Extended Band Edge Plot (Band 2/25 – 15.0MHz QPSK – RB Size 75)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 111 of 166
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Plot 7-183. Upper Band Edge Plot (Band 2 – 15.0MHz QPSK – RB Size 75)



Plot 7-184. Upper Extended Band Edge Plot (Band 2 – 15.0MHz QPSK – RB Size 75)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dega 110 of 100	
1C1706160002-60-03-R4.BCG	6/7-8/18/2017	Watch	Page 112 of 166	
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Agilent Spectr	um Analyzer - Swept SA					
LXI RL	RF 50 Ω DC	CORREC	SENSE:INT	ALIGNAUTO #Avg Type: RMS	10:03:59 AM Jun 22, 2017 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide 🖵 IFGain:Low	Trig: Free Run Atten: 36 dB	#Avg Type, RMS		
10 dB/div Log	Ref 25.00 dBm			Mkr1	1.915 000 GHz -30.90 dBm	Auto Tune
15.0						Center Freq 1.915000000 GHz
-5.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	men and a second				Start Freq 1.909000000 GHz
-15.0					-13.00 dBm	<b>Stop Freq</b> 1.921000000 GHz
-35.0			M	- And we want		CF Step 1.200000 MHz <u>Auto</u> Man
-55.0						Freq Offset 0 Hz
-65.0						
Center 1.9 #Res BW	915000 GHz 150 kHz	#VBW	470 kHz	Sweep 1	Span 12.00 MHz .000 ms (1001 pts)	
MSG				STATU	3	

Plot 7-185. Upper Band Edge Plot (Band 25 – 15.0MHz QPSK – RB Size 75)



Plot 7-186. Upper Extended Band Edge Plot (Band 25 – 15.0MHz QPSK – RB Size 75)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager				
Test Report S/N:	Test Dates:	EUT Type:	Dega 110 of 100				
1C1706160002-60-03-R4.BCG	6/7-8/18/2017	Watch	Page 113 of 166				
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Agilent S	pectrum Analyzer	- Swept SA								
LXI RL	RF	50Ω DC	CORREC	SEN	ISE:INT		GNAUTO	10:15:26 AM J		Frequency
			PNO: Wide 🖵 IFGain:Low	Trig: Free Atten: 36		#Avg Type: F	(MS	TYPE	123456 A www.mm A N N N N N	
10 dB/d Log	liv Ref 25.	.00 dBm					Mkr1	1.849 61 -29.44	6 GHz 4 dBm	Auto Tune
15.0										Center Freq 1.85000000 GHz
5.00							w	ngu angu angu angu angu angu angu angu a		<b>Start Freq</b> 1.842000000 GHz
-15.0				1					-13.00 dBm	<b>Stop Freq</b> 1.858000000 GHz
-35.0	An marine	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mynen - Mr.N	······						CF Step 1.600000 MHz <u>Auto</u> Man
-55.0 —										Freq Offset 0 Hz
-65.0										
	r 1.850000 G BW 200 kHz		#VBW	620 kHz		Sw	/eep 1.	Span 16. 000 ms (10	00 MHz 001 pts)	
MSG							STATUS			

Plot 7-187. Lower Band Edge Plot (Band 2/25 - 20.0MHz QPSK - RB Size 100)



Plot 7-188. Lower Extended Band Edge Plot (Band 2/25 – 20.0MHz QPSK – RB Size 100)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dega 114 of 100			
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06/06/2017



	pectrum Analyz										
L <mark>XI</mark> RL	RF	50 Ω	DC C	ORREC	SEN	ISE:INT	#Avg Typ	ALIGNAUTO		1 Jun 21, 2017 E <b>1 2 3 4 5 6</b>	Frequency
			I I	PNO: Wide 🕞 FGain:Low	Trig: Free Atten: 36				TYP		
10 dB/d Log	liv Ref 2	5.00 dE	3m					Mkr1	1.910 5 -27.	60 GHz 80 dBm	Auto Tune
15.0											Center Freq 1.91000000 GHz
5.00		hand a start and a start	Ann	hann							<b>Start Freq</b> 1.902000000 GHz
-15.0						1				-13.00 dBm	<b>Stop Freq</b> 1.918000000 GHz
-35.0					have		harman	the way was a start of the star	m	Marine a party	CF Step 1.600000 MHz <u>Auto</u> Man
-45.0											<b>Freq Offset</b> 0 Hz
-65.0											
	r 1.910000 3W 200 kH			#VBW	/ 620 kHz			Sweep 1	Span 1 .000 ms (	6.00 MHz 1001 pts)	
MSG								STATUS	3		

Plot 7-189. Upper Band Edge Plot (Band 2 – 20.0MHz QPSK – RB Size 100)



Plot 7-190. Upper Extended Band Edge Plot (Band 2 – 20.0MHz QPSK – RB Size 100)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dega 115 of 100			
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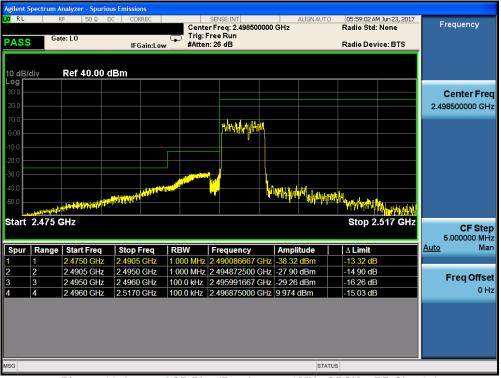
Plot 7-191. Upper Band Edge Plot (Band 25 – 20.0MHz QPSK – RB Size 100)



Plot 7-192. Upper Extended Band Edge Plot (Band 25 – 20.0MHz QPSK – RB Size 100)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager				
Test Report S/N:	Test Dates:	EUT Type:	Demo 110 of 100				
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Plot 7-193. Lower ACP Plot (Band 41 – 5.0MHz QPSK – RB Size 25)



Plot 7-194. Upper ACP Plot (Band 41 – 5.0MHz QPSK – RB Size 25)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Page 117 of 166			
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2017 PCTEST Engineering Laboratory, Inc.						





Plot 7-195. Lower ACP Plot (Band 41 – 10.0MHz QPSK – RB Size 50)



Plot 7-196. Upper ACP Plot (Band 41 - 10.0MHz QPSK - RB Size 50)

FCC ID: BCG-A1860		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:	Page 118 of 166			
1C1706160002-60-03-R4.BCG	6/7-8/18/2017	Watch	Page 118 01 100			
2017 PCTEST Engineering Laboratory, Inc.						



<mark>Agilent S</mark> L <mark>XI</mark> RL	S <mark>pectrum A</mark> R	n <mark>alyzer - Sp</mark> i F   50 Ω	urious En DC	n <mark>issions</mark> CORREC		nter F	NSE:INT req: 2.503500	000 GHz	ALIGN AUTO	07:11:12 A Radio Std:	4 Jun 23, 2017 None	Frequency
PASS	Gat	e: LO		IFGain:Lo		g: Fre ten: 2	e Run 6 dB			Radio Dev	ice: BTS	
10 dB/	div	Ref 40.0	0 dBn	n								
Log 30.0 - 20.0 -												Center Fre 2.503500000 GH
10.0 0.00							printerio a	lipet an an	phydrogeneg	ywyn		
-10.0 -						ta.						
-30.0		مليل الجابل	ald have	ware grown	1949A		ri I			lu <sub>w</sub> nu,	Mayonrada	
Start	منبور 2.475 G									Stop 2	.517 GHz	CF Ste
Spur	Range	Start Free	q S	top Freq	RBW	F	requency	Amp	olitude	∆ Limit		Auto Ma
1	1	2.4750 GH		4905 GHz		_	489621667 G			-6.633 dB		
2	2	2.4905 GF		4950 GHz			493590000 G			-12.00 dB		Freq Offse
3 4		2.4950 GH 2.4960 GH		4960 GHz 5170 GHz			495353333 G 500725000 G			-17.73 dB		. он
MSG									STATU	IS		

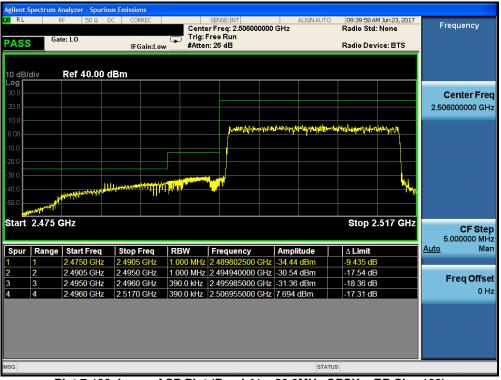
Plot 7-197. Lower ACP Plot (Band 41 – 15.0MHz QPSK – RB Size 75)



Plot 7-198. Upper ACP Plot (Band 41 – 15.0MHz QPSK – RB Size 75)

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Plot 7-199. Lower ACP Plot (Band 41 – 20.0MHz QPSK – RB Size 100)



Plot 7-200. Upper ACP Plot (Band 41 – 20.0MHz QPSK – RB Size 100)

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Test Report S/N:	Test Dates:	EUT Type:	Dega 100 of 100			
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