

7. CONDUCTED BAND EDGE

7.1 DESCRIPTION OF CONDUCTED BAND EDGE MEASUREMENT

7.1.1 MEASUREMENT METHOD

1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, 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

3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4. §27.53(m)(4/6)

For operations in the 2502.5 MHz ~ 2567.5 MHz band this section, 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 as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licenseesoperating on frequencies below 2495 MHz may also submit a documented interference complaintagainst BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.



7.1.2 TEST SETUP



7.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.

2. The EUT was connected to spectrum analyzer and system simulator via a power divider.

3. The band edges of low and high channels for the highest RF powers were measured. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.

4. Set spectrum analyzer with RMS/AVG detector

5. The RF fundamental frequency should be excluded against the limit line in the operating frquency band.

6.The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

= P(W) - [43 + 10log(P)] (dB)

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= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)
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= -13dBm.

Band 7:

= P(W) - [55 + 10log(P)] (dB)

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= [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
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= -25dBm.

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	12MHz	13MHz	15MHz	20MHz	25MHz	30MHz
RBW	30kHz	100kHz	100kHz	300kHz	300kHz	300kHz
VBW	100kHz	300kHz	300kHz	1000kHz	1000kHz	1000kHz
Detector	RMS	RMS	RMS	RMS	RMS	RMS
Trace	Max	Max	Max	Max	Max	Max
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto



7.1.4 MEASUREMENT RESULT

LTE band 2





LTE band 2

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Fit		Stop Freq 1.852500000 GHz	2 ²		2 2 2 2 2 2
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	Highest Band Edge / Full RB	RB	status Edge / Fu	west Band	Lo
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LTE band 2



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LTE Ba	nd 2 / 3MHz / 16QAM
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gilent Spectrum Analyzer - Swept Si RL RF S0 Ω A0	A SENSE:INT	ALIGNAUTO	07:43:51 PMJun 12, 2016	Frequency	dient Spectrum Analyzer - Swept SA	SENSE:INT	ALIGNAUTO	07:42:52 PM Jun 12, 2016	Frequency
Center Freq 1.8500000	PNO: Fast Trig: Free Run	Avg Type: RMS Avg[Held>100/100	TYPE A A MAMMAN DET A A A A A A	P	ASS	PNO: Fast Trig: Free Run IFGain:Low Atten: 30 dB	Avg Hold>100/100	TYPE A A A A A A	
Ref Offset 8.8 dB		Mkr1	1.850 00 GHz	Auto Tune	Ref Offset 8.8 dB		Mkr1	1.910 00 GHz	Auto T
odB/div Ref 28.80 dBn	n		-19.319 0511	2	og Trace 1 Pass				Contor
3.80	A		1.8	85000000 GHz	1.80				1.910000000
1.20					1.2	11		r	
21.2		<u>қ</u> — — —	1.8	Start Freq 840000000 GHz	1.2				1.900000000
1.2	0 ²				1.2		02	F	
	- Andrew	- man h		Stop Freq 86000000 GHz	12 March		mil		Stop F 1.920000000
enter 1 85000 GHz			Spap 20.00 MHz		enter 1.91000 GHz			Span 20.00 MHz	
Res BW 100 kHz	#VBW 300 kHz*	Sweep 2.	53 ms (1001 pts)	CF Step 2.000000 MHz	Res BW 100 kHz	#VBW 300 kHz*	Sweep 2	2.53 ms (1001 pts)	2.000000
IS NOTE THE SEL	1.850 00 GHz -19.362 dBm	FUNCTION FUNCTION WADTH	Auto	o Man	NG NODE THE SOL X 1 N 1 f 1.9101 2 N 1 f 1.913	000 GHz -19.395 dBm 3.82 GHz -47 669 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	iuto
3				Freq Offset	3 4				Freq O
5 6 7				0 Hz	6 7			I	
8					9				
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11 12 16		STATUS			0 2		STATUS		
12		STATUS			1 2		STATUS		
Lo	west Band	status Edge / Fi			Hiah	nest Band	status Edge / F	ull RB	
Lo	west Band	status Edge / Fu	all RB		High	nest Band	status Edge / F	ull RB	
Lo	west Band	Edge / Fu	ull RB		i a High	nest Band	status Edge / F	ull RB	
liant Spectrum Analyser - Swept S autor Exercised and a second and a	west Band	Edge / Fu		Frequency	High		Edge / F		Frequency
la l	west Band	Edge / Fu		Frequency	A sector backyer - beget A. By the Spectrum Mathyer - beget A. By an area - by a sector - by a sec	HEST Band	Edge / F		Frequency
Lo biol Systems Analyse - Swall 6 a tar a mark - Store of a orther Freq 1.8500000 ASS Ref officet 8.8 dB	West Band	Edge / Fu Agg Type: RMS Avg Type: RMS Avg Type: RMS MgHoide> 100/100	JII RB	Frequency Auto Tune	A Contract of the sector of th	HEGAILAW THE AND	Edge / F Asystemic Avg Type: RMS Avg1Hold> 100100 Mkrt1	UII RB	Frequency Auto T
Lo so so so the type true Analyse. I have a the type true Analyse. I have a struer Freq 1.4500000 ASS 0 481dv Ref 28.80 dB 0 491dv Ref 28.80 dB 0 1 Trace 1 Pass	West Band	Edge / Fu Aug Type: RASS AvgiHeide 100/100 Mkr1	JII RB	Frequency Context End	Mini Spectrum Analyser / Swept Mi At the Provided High Spectrum Analyser / Swept Mi At the Provided High Spectrum Analyser / Swept Mi Provided High Spe	HEGAINLOW ATTER TO A	Edge / F Roger / F Avg Tys: RMS Avg Tys: RMS Avg Tys: RMS Avg Tys: RMS	UII RB	Frequency Auto T
Lo Section Analyse. Swall 5 Sect	West Band	Edge / Fu	JII RB	Frequency Auto Tune Center Freq 85000000 cHz	Pint Spectrum Analyser / Swept SA The Description of the Spectrum Analyser / Swept SA The Description of the Spectrum Analyser / Swept SA Particle Freq 1.910000000 CA ASS DelBidly Ref 28.80 dBm Optimized Trace 1 Pass DelBidly Ref 28.80 dBm	HEGAINIAN TIGE FREE RUN FGAINIAN TIGE FREE RUN FGAINIAN	Edge / F Roger / F Avg Tys: RMS Avg Tys: RMS Avg Tys: RMS Avg Tys: RMS	UII RB	Frequency Auto T Center f 1.91000000
Lo Section Analyse. Swall 5 Sect	West Band	Edge / Fu	JII RB	Frequency Auto Tune Center Freq 5000000 GHz	Print Spectrum Analyser / Swept SA The Description of the State of th	HIGHING CONTRACTOR	Edge / F	UII RB	Frequency Auto T Center F 1.91000000
Lo	west Band	Edge / Fu	JII RB	Frequency Auto Tune Center Freq Start Freq Start Freq Start Freq	Print Spectrum Analyser / Sweet SA The Print Spectrum Analyser / Sweet SA The Print Print Print State State Print Print Print State State Ref 22.8.80 dBm Official Print Print State Print Print Print Print State Print Print Prin	HEGANIAN ATER 30 AB	Edge / F	UII RB	Frequency Auto T 1.91000000 Start F 1.90000000
Comparison of the sector	west Band	Edge / Fu	JII RB	Frequency Auto Tune Souto Chiz Start Freq B4000000 GHz	Ben Spectrum Analyser - Swept SA The Base - Source - Swept SA The Base - Source - Swept SA Base - Source - Swept SA Base - Swept Sa - Swe	HEGAINIAN ATER: 30 AB	Edge / F	UII RB	Frequency Auto T Center f 1.910000000 Start F 1.900000000
Lo	West Band	Edge / Fu	JII RB	Frequency Auto Tune Souto Chrz Start Freq Start Freq Storp Freq Storp Freq	Ben Spectrum Analyser - Swept SA The Base - Source - Swept SA The Base - Source - Swept SA Base	HEGAINIAN ATER 30 AB	Edge / F	UII RB	Frequency Auto T Center I 1.91000000 Start F 1.90000000 Stop F 1.92000000
Lo	Devest Band	Edge / Fu	JII RB	Frequency Auto Tune Sociological Start Freq Start Freq Stop Freq Sociological Stop Freq Soc	Ben Spectrum Analyset - Swept SA The Ben Spectrum Analyset - Swept SA The Ben Spectrum Analyset - Swept SA The Ben Spectrum Analyset - Swept SA Ben Spectrum Spectrum Sa Ben Spectrum Spectrum Sa Ben Spectrum Spectrum Sa Ben Spectrum Spect	HEGAINIAN ATER 30 dB	Edge / F	UII RB	Frequency Auto T 1.91000000 Start F 1.90000000 Stop F 1.920000000
12	PWESS Band	Edge / Fu	JII RB	Frequency Auto Tune Souto Chrz Start Freq Start Freq Souto Chrz Stop Freq Souto Chrz CF Step 2,00000 Chrz	Comparison of the section of th	The set Band	Edge / F Aug Train 1057 Ang Train 1057 Ang Train 1057 MKr1	UII RB	Frequency Auto T 1.91000000 Start I 1.90000000 1.920000000 1.920000000
Lo	DUGHZ PROFESSION PROFESSION Provide Fast Provide Fast	Edge / Fu	JII RB	Frequency Auto Tune Sociological Start Freq Start Freq Stoop Freq Stoop GHz CFS tep 2.00000 GHz Man	Comparison of the section of th	The set Band	Edge / F Ang Transform Ang Transform Ang Transform Martin Ang Transform Ang Transform	UII RB	Frequency Auto T 1.91000000 1.900000000 1.92000000 CF 5 2.000000
Lo	PWEST Band	Edge / Fu	JII RB	Frequency Auto Tune Bootoooo GHz Start Freq Bootoooo GHz Stop Freq Bootoooo GHz Center Freq Bootoooo GHz Center Freq Bootoooo GHz Center Freq Bootoooo GHz Center Freq Bootooooo GHz Center Freq Bootooooo GHz Center Freq Bootooooo GHz Center Freq Bootooooo GHz Center Freq Bootooooo GHz Center Freq Bootooooo GHz Center Freq Bootoooooo GHz Center Freq Bootoooooo GHz Center Freq Bootooooooo GHz Center Freq Bootooooooo GHz Center Freq Bootooooooo GHz Center Freq Bootoooooooooooo GHz Center Freq Bootoooooooo GHz Center Freq Bootoooooooooooooooooooooooooooooooooo	Image: Section Analyses - Section Secti	SHEET Band	Edge / F Ang Type: Room Ang Type: Room Mkr1	UII RB	Frequency Auto T 1.91000000 1.90000000 1.90000000 1.92000000 CFF 2.000000 Uto Freq Ol
Lo	Average of the second s	Edge / Fu	LII RB	Frequency Auto Tune Secondon GHz Start Freq Secondon GHz Stop Freq Secondon GHz CF Step 2.00000 GHz CF Step 2.00000 GHz Freq Offset 0 Hz	Image: Control of the second	THE Free Run Freeman were and the states of	Edge / F	UII RB	Frequenc Auto 1 1.910000000 1.920000000 1.920000000 CF 2.0000000 Freq O
Lo	PWEST Band	AUSTANO AUSTANO AVG TYPE: RMS AVg Type: RMS Avg Hold> 100100 MKr1 AUSTANO Sweep 2.	111 RB	Frequency Image: Content Freq Auto Tune Image: Content Freq Stop Freq Stop Freq Stop Freq CF Step 2.000000 GHz Image: CF Step 2.00000 MHz Image: CF Step 2.00000 MHz Image: CF Step 2.00000 MHz Image: CF Step Mage:	Image: Control of the sector of the	THE Free Run The Free Run The Free Run Atten: 30 dB #VEW 300 kHz* 25.129 dBm 26.129 dBm	Edge / F	UII RB	Frequenc: Auto 1 1.91000000 1.92000000 1.92000000 CF 2.000000 Freq O
Image: Synchronized Analyzer, Forget Size Size Characterized Analyzer, Forget Size RL Image: Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size RL Image: Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size Image: Size Characterized Analyzer, Forget Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size Image: Size Characterized Analyzer, Forget Size Size Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size Image: Size Characterized Analyzer, Forget Size Size Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size Image: Size Characterized Analyzer, Forget Size Size Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size Image: Size Characterized Analyzer, Forget Size Size Size Characterized Analyzer, Forget Size Size Characterized Analyzer, Forget Size Image: Size Characterized Analyzer, Size Characterizer, Size Charact	PWESST Band	AUSTAND	111 RB	Frequency Image: Center Freq Auto Tune Image: Center Freq S50000000 GHz Image: Center Freq Start Freq Stop Freq Stop Freq Stop Freq Stop Freq CF Step 2.000000 GHz Image: Center Freq Stop Freq Stop Freq Stop Freq Image: Center Freq Stop Freq Image: Center Freq Stop Freq Image: Center Freq Manage: Center Freq Image: Center Freq Stop Freq Image: Center Freq Manage: Center Freq Image: Center Freq Stop Freq Image: Center Freq Manage: Center Freq Image: Center Freq Stop Freq Image: Center Freq Manage: Center Freq Image: Center Freq <t< td=""><td>Image: Control of the sector of the</td><td>Anter Stand</td><td>Edge / F</td><td>UII RB</td><td>Frequency Auto T Center I 1.910000000 1.92000000 1.92000000 CF F 2.000000 Freq OI</td></t<>	Image: Control of the sector of the	Anter Stand	Edge / F	UII RB	Frequency Auto T Center I 1.910000000 1.92000000 1.92000000 CF F 2.000000 Freq OI

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LTE band 2

LTE E	Band 2 / 15MHz /QPSK
Lowest Band Edge / 1 RB	Highest Band Edge / 1 RB
Adjust Specifyrus Analyser, Swept M. SPECENT ALSTAND B7-86-11 PM Jun 22-2010 Marker 2 1.844140000000 GHz PASS Trig Free Run HGainLaw Arg Type: RNS Arg Type: RNS HGainLaw Ref Office: RNS HGAINLAW Mkr2 1.844 14 GHz 48,375 dBm 0 dBidly 10 dBidly 10 dBidly 120 Ref Office: R8 49 Mkr2 1.844 14 GHz 48,375 dBm Ass of the second sec	Marker Agient Spectrum Analyzer Seept 54. Select 101 AU3240/100 OF5113PM 3rd 2, 2010 Marker Marker 2 PASS FFGaat.lew Trig Free Run Aren: 30 dB Avg Tipe: Rus Avg Tipe: Rus Aregitive: 100000 Marker Select Marker
612 Center 1.85300 GHz Span 30.00 MHz #Res BW 150 kHz #VBW 470 kHz* Sweep 1.67 ms (1001 pts)	Pixed Center 1.90900 GHz #VBW 470 kHz* Span 30.00 MHz orr #Res BW 150 kHz #VBW 470 kHz* Sweep 1.07 ms (1001 pts) Context
N T 1.850.00 GHz -10/772 dBm 20/11/20 20/01/20 20	Properties >
7 6 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	More 7 More More Mo 1 of 2 10 1 of 1 of 1 of
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
Openity prime Marger Sweight Selection Select	Marker Select Marker Select Marker Select Marker Select Marker Select Marker Marker Select Marker Marker Select Marker Marker Avg Type Select Marker Frequency Frequency 2 Photo Face (Conter Freq 1.909000000 GHz) Frequency Frequenc
100 doini 100 do	Log Trace 1 Pass Center Fin 800 120 130500000 G
	Deta 372 Start P 412 198400000 G 198400000 G 412 512 512
Center 1.85300 GHz Span 30.00 MHz #Res BW 150 kHz #VBW 470 kHz* Sweep 1.67 ms (1001 pts) Torp coccl tors for the construction ************************************	Center 1.99900 GHz #VBW 470 kHz* Span 30.00 MHz CF Ste 3.00000 MH Off CE Ste SW 150 kHz #VBW 470 kHz* Sweep 1.67 ms (1001 pts) 3.000000 MH 3.00000 MH Data Data F1 101 30 00 0Hz 23.779 dBm #United market and the state and the
3 4 1.544 14 014 S2.690 0011 4 5 5 5 5 5 5 5 7 5 5 5 8 5 5 5 9 5 5 5	Properties* 3 4 1 10100 011 Constant FreqOffs More 0 7 0
ти 11 12 мва татив	1 of 2 11 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14

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LTE band 2

	LTE Ban	d 2 / 15MHz /16QAM
Lowest Band	Edge / 1 RB	Highest Band Edge / 1 RB
Actional Speech see a fail of the second sec	A15716/10 10745571814112.2016 Avg Type: RMS AvgHold-100100 tref A AMAAA Mkr2 1.844 14 GHz -48.536 dBm	Access of the section features - Section featur
		Normal 8:0 Normal
512 612 Center 1.85300 GHz	Span 30.00 MHz	Fixed Fixed Center 1.00000 GHz Fixe
#Res BW 150 kHz #VEW 470 kHz* Loss Loss Bits Bits 2 1 N f 1.850 00 GHz 2.1929 dBm N f 1.844 14 GHz 48.503 dBm 3 A f 1.844 14 GHz 48.503 dBm 5 6 6 6 6	Sweep 1.67 ms (1001 pts)	Off Interest bit 100 kHz #VBW 470 kHz* Sweep 1.07 ms (1001 pts) 122 1026 Hz8 tit 1910 00 GHz 26 431 dBm Failed and the second and
7 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		More 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Lowest Band B	Edge / Full RB	Highest Band Edge / Full RB
Light Spectrue Analyser, Swept SA 89006.371 99006.371 Light Ref 2018 844 100000000 GH2 PASS PR05.Fast 1108.Feat 1108.Feat PASS Ref Offset 8.84 Homes Atten: 30.68 Di dBeller Ref 278.81.48 Homes Homes	AUSUALTO 074807983-012-2016 Avg Type: RMS AvgHeidz-100100 mtr[AAAAAA Mkr2 1.844 14 GHz -32.926 dBm	Adjust Spectrum darger: - heart 54 Spectrum darger: - heart 54 Alstellarity (1, 2, 3, 5) Frequency arker Center Freq 1.90900000 GHz. Fills: Fast Center Freq 1.90900000 GHz. PASS Avg Tyst: FMS Avg Tyst: FMS Tring Freq AaAAA VM Arker 2 PASS Fills: Fast Center Freq 1.90900000 GHz. Fills: Fast Center Freq 1.90900000 GHz. Fill: Fast Center Freq 1.909000000 GHz. Fill: Fast Center Freq 1.9090000000 GHz. Fill: Fast Center Freq 1.900000000 GHz. Fill: Fast Center Freq 1.9000000000000 GHz. Fill: Fast Center Freq 1.9000000000000 GHz. Fill: Fast Center Freq 1.90000000000000 GHz. Fill: Fast Center Freq 1.9000000000000000000000000000000000000
129 Tace 1 Pass 600 139 Tace 1 Pass 600 1.30		Normal
212 2 312		Defta 402 188400000 c 412 412 512 Fixed> 612 1182400000 c
Center 1.85300 GHz #VBW 470 kHz* #Res BW 150 kHz #VBW 470 kHz* 122 toxic field for the second sec	Span 30.00 MHz Sweep 1.67 ms (1001 pts)	Off Center 1.00900 GHz Span 30.00 MHz CFst #Res BW 150 kHz #VBW 470 kHz* Sweep 1.67 ms (1001 pts) 300000 MHz CFst 1 N 1 1.910 00 GHz 24.069 dBm #014100 work Auto Auto Auto 3 1 1.913 30 GHz 26.869 dBm #014100 work Auto Max Auto Auto <td< td=""></td<>
4 6 7 7 9 9	PI	operties> 4 Frequin 0 More 8 0 0 1 of 2 10 0 0
12 MIG	STATUS	

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LTE band 2

LTE Band 2 / 20MHz /QPSK					
Lowest Band Edge / 1 RB	3	Highest Band Edge / 1 RB			
Ref Offset 83 dB Mkr1 1.850 dB 7100 7100 <tr< th=""><th>No.2016 Frequency AAAAA Auto Tune OGHz Center Freq 1.851000000 GHz Start Freq 1.831000000 GHz Stap Freq 1.871000000 GHz 1.871000000 GHz</th><th>Applied Spectrum Analyzer, Sweyt SA. Objection Alagenetics Option Spectrum Alagenetics Option Spectrum Alagenetics Option Spectrum Market 11,910000000000 (Hz) Select Market 10,91000 (Hz) Select Market 10,91000 (Hz) Market 11,910000 (Hz) Select Market 10,91000 (Hz) Select Market 10,910000 (Hz) Select Market 10,910000 (Hz) Select Market 10,91000000 (Hz) Select Market 10,91000000000 (Hz) Select Market 10,910000000000000000000000000000000000</th></tr<>	No.2016 Frequency AAAAA Auto Tune OGHz Center Freq 1.851000000 GHz Start Freq 1.831000000 GHz Stap Freq 1.871000000 GHz 1.871000000 GHz	Applied Spectrum Analyzer, Sweyt SA. Objection Alagenetics Option Spectrum Alagenetics Option Spectrum Alagenetics Option Spectrum Market 11,910000000000 (Hz) Select Market 10,91000 (Hz) Select Market 10,91000 (Hz) Market 11,910000 (Hz) Select Market 10,91000 (Hz) Select Market 10,910000 (Hz) Select Market 10,910000 (Hz) Select Market 10,91000000 (Hz) Select Market 10,91000000000 (Hz) Select Market 10,910000000000000000000000000000000000			
Centre 1:03 100 GH2 2 2014 RRS BM 150 KH2 ¥VBW 470 KH2* Sweep 2.20 ms (100 US2 MS84 165 E02 2 2 100 ms (100 US2 MS84 165 E02 2 2 100 ms (100 US2 MS84 165 E02 2 2 100 ms (100 I N 1 f 1.842 09 GH2 450.891 dBm 4 5	CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz	West BW 150 kHz #VBW 470 kHz* Sweep 2.20 ms (1001 pts) 100 kHz 10100 GHz 2.4704 dBm 4004000 attraction 400400000 attraction 4004000000 attraction 90040000000 attraction 900400000000 attraction 9004000000000 attraction 90040000000000000000000000000000000000			
7 8 9 9 10 11 12 12		7 8 9 10 11 12 12 10 10 11 12			
Lowest Band Edge / Full R	В	Highest Band Edge / Full RB			
globit Systemum Analyzer Several 34 1 500-06 (12) Alaszikário (0756228/M) L BP 100-06 (21) Alaszikário (0756228/M) Alaszikário (0756228/M) Canter Freq 1.857000000 CHZ FREC Free Ran Artes: 30 dB Arg Trei: RMS Arg Trei: RMS Arg Trei: RMS D00-06 (12) RASS FREC Arg Trei: RMS Arg Trei: RMS Marg Trei: RMS Arg Trei: RMS Arg Trei: RMS Marg Trei: RMS Arg Trei: RMS Arg Trei: RMS Marg Trei: RMS Arg Trei: RMS Ar	A A A A A A A A A A A A A A A A A A A	Aginal Spectrum Makerer: Swept Ma Store Smith USURID TO USURID TO <th< td=""></th<>			
Trace 1 Pass 80 120 121 121 121 121 121 121 12	Center Freq 1.851000000 GHz Start Freq 1.831000000 GHz	Trace 1 Pass Center 80 1980000 120 1 122 1 122 1 123 1 120 1 121 1 122 1 123 1			
212 212 212 212 212 212 212 212	Stop Freq 1.87100000 GHz	412 412 412 412 412 412 412 412 412 412			
Res BW 150 kHz #VBW 470 kHz* Sweep 2.20 ms (100 Zt texts Hind Ext 20 ms (100 Function	Auto Man Freq Offset 0 Hz	Image: Sign 100 kHz #VEW 470 kHz Sweep 2.20 ms (1001 pt) 400 Image: Sign 100 kHz Image: Sign 100 kHz			
2 16]				

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LTE band 2

LTE	Band 2 / 20MHz /16QAM	
Lowest Band Edge / 1 RB	Highest Band Edge / 1 RB	
glion Spectrum Analyzer, Swegt SA. L IP D0 AC SPECENTI Austruit D15 Sector Entor Freq 1.851000000 GHz; IPG: Fast IFG and Lew Trig: Free Run Atem: D0 dB Avg Type: RMS Avglield: VDI Atem: D0 dB MVR Type: RMS Avglield: VDI Atem: D0 dB MVR Type: RMS Avglield: VDI Atem: D0 dB Ref Offset 83 dB Mkr1 1.850 00 GHL - 28.687 dBm -28.687 dBm	Marker 1 Auto Tune Auto Tune Ref Offset 8.9 dB Mini f. Site	2.2016 Marker A & A & A GHz IBm
	Center Freq 185 A A 185100000 GHz 412 4 4 4 Start Freq 412 4 4 4	Norm
	1.83100000 GHz 312 Stop Freq 412 1.87100000 GHz 42 1.87100000 GHz 42	Fixe
Center 1.85100 GHz Span 40.00 MH RRes BW 150 kHz #VBW 470 kHz* Sweep 2.20 ms (1001 pts 0.00 MH) Dot bace line end #VBW 470 kHz* Sweep 2.20 ms (1001 pts 0.00 MH) Dot bace line end #VBW 470 kHz* Sweep 2.20 ms (1001 pts 0.00 MH)	Iz CF Step 9) Center 1.90800 GHz #Res BW 150 kHz #VBW 470 kHz* Sweep 2.20 ms (100* 2000 MHz Auto Man 1.910 00 GHz 2.92 GHz 2.92 GHz 2.92 GHz Auto Man 1.910 00 GHz 1.910 00 GHz 2.92 GHz	I pts)
4 5 6 7	FreqOffset 3 4 5 0 Hz 5 6 7	Propertie
89 10 11 12	9 9 10 11 11 2	1 d
Lowest Band Edge / Full RB	Highest Band Edge / Full R	2.2016
And Former Freq 1.851000000 GHz Avg Type: RMS Avg Type: RMS PROS PROS: Fast The Free Run Atten: 30 dB Avg Type: RMS Ref Offset 9.0 dB PRO (The 1.9 to 1.9 t	Frequency Center Freq 1.908000000 GHz Avg Type: FMS Frequency Avg Type: FMS Avg Type: FMS Frequency Avg Type: FMS Frequency PASS PIO: Fmt _ Trig: Free Run IFGaintow Avg Type: FMS Frequency Avg Type: FMS Z Auto Tune PASS Reference Mkr1 1.910 00 D PIO: FBS 8.8 B Mkr1 1.910 00 -24.640 0	3456 Frequency AAAAA GHz Auto Tu
120	Log and Log an	Center Fr 1.908000000 G
112 212 212 312	Start Freq 112 1 1.83100000 GHz 312 2 412 412 412	Start Fr 1.888000000 G
612 612 Center 1.85100 GHz Span 40.00 MH	Stop Freq 1.87100000 GHz 612 Center 1.90800 GHz Span 40.00	Stop Fr 1.928000000 G MHz
Res BW 150 kHz #VBW 470 kHz* Sweep 2.20 ms (100 pt) Res BW 150 kHz # VBW 470 kHz* Sweep 2.20 ms (100 pt) Res BW 150 kHz 150 cHz 28 beca dHz R beca dHz 28 beca dHz 28 beca dHz N 1 1 s6500 GHz 28 beca dHz N 1 1 s4572 GHz 33 271 dBm 3 6 5 5 6 7 6 5 7 6 6 6 10 10 10 10	Effetp #Res BW 150 kHz #VBW 470 kHz* Sweep 2.20 ms (1001 4.0000 Min Image: Sweep 2.20 ms (1001 Free Comparison of the Sweep 2.20 ms (1001) Free Comparison of the Sweep 2.20 ms (1001) Free Offset OHz 0 Hz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Freq Off
12 80 STATUS		

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LTE band 4

LTE Band 4 / 1.4MHz /QPSK					
Lowest Band Ed	dge / 1 RB	Highest Band E	dge / 1 RB		
Agliant Spectrum Analyzer - Swept SA		Agilant Spectrum Analyzer - Swept SA			
Center Freq 1.700 00 0 GHz PASS PN0: Wide Trig: Free Run IFGaint.ew Avgl Ref Offset 8.6 dB	Type: RMS Tit Start (1) and (2) and (2	Center Freq 1.759000000 GHz PASS PRO: Wide Tigs Free Run Avg IFGaint.ow Statter: 30 dB	Type: RMS Frequency Helds 100100 Trace 1012556 Frequency Type: RMS AAAAAA Mkr1 1.755 000 GHz Auto Tu		
10 dB/div Ref 28.60 dBm	-21.570 dBm Center Freq 1.706000000 GHz	10 dB/dlvRef 28.60 dBm	-21./1/ dBm Center Fr 1.75900000 G		
1.40	1 Start Freq 1.70000000 GHz		Start Fr 1.75300000 0		
414	Stop Freq 1.712000000 GHz	41.4 61.4 61.4	Stop Fi 1.76500000 C		
Center 1.706000 GHz #Res BW 30 kHz #VBW 100 kHz* #xxx bxxxx 1xx 2xx 2xx 2xx 2xx 2xx 2xx 2xx 2xx	Span 12.00 MHz Sweep 16.4 ms (1001 pts) 1.200000 MHz Auto Man	Center 1.759000 GHz #Res BW 30 kHz #VBW 100 kHz* 1028 Maces Hz #S1 127 600 0/4 97 70 Hz RUNGFOR	Span 12.00 MHz CF St Sweep 16.4 ms (1001 pts) 1.20000 h RNAROWORL Auto		
N 1 f 1.710 000 GHz -21.584 dBm 2 N 1 f 1.709 328 GHz -40.355 dBm 4 5	Freq Offset 0 Hz	2 N 1 F 1.765 000 GHz -21.722 dBm 3 F 1.765 684 GHz -40.322 dBm 4 5 6	Freq Off		
7 8 9 10 11 12		7 8 9 10 11 12			
450	STATUS	MSG	STATUS		
Lowest Band Edg	ge / Full RB	Highest Band Edg	ge / Full RB		
Inflast Genetium Andreas - Genet 64		Jellent Soectrum Analyzer - Swint SA			
Appendix Appendix	ALISHAUTO 07:57:39 PMJun 12,2016 Type: RMS TRACE 1 3 4 5 6 told>100/100 Type A 4 WWWW	Center Freq 1.759000000 GHz Trig: Free Run Avg	ALIGNAUTO 07:58:36 PM Jun 12, 2016 Type: RMS TRACE 1 3 4 5 6 Hold> 100/100 TYPE A WWWW		
PASS IFGain:Low #Atten: 30 dB Ref Offset 8.6 dB	Mkr1 1.710 000 GHz Auto Tune	IFGain:Low #Atten: 30 dB	Mkr1 1.755 000 GHz		
10 dBdidiv Ref 28.00 dBm 109 Trace 1 Pass 188 100 100 100 100 100 100 100 100 100	Center Freq 1.70600000 GHz	1.0 dolary cel 22.00 dolari	Center Fi 1.75900000 0		
-114	Start Freq 1.70000000 GHz	-11.4 -21.4 	1.75300000 0		
414 414 414 414 414 414 414 414 414 414		414 614 614	1.76500000 0		
Center 1.706000 GHz #Res BW 30 kHz #VBW 100 kHz*	Span 12.00 MHz Sweep 16.4 ms (1001 pts) 1.200000 MHz	Center 1.759000 GHz #Res BW 30 kHz #VBW 100 kHz*	Span 12.00 MHz Sweep 16.4 ms (1001 pts) 1.200000 M		
Constraint X Y Z001(F000) 1 N 1 f 1.710 000 GHz -24.090 dBm 2 N 1 f 1.709 328 GHz -31.965 dBm 3 4 4 4 -31.965 dBm	FUNCTION/MORE FUNCTION/MAUE Auto Man	DBR Model Traff Store Y Function 1 N 1 f 1.755 000 GHz -26.074 dBm 2 N 1 f 1.755 900 GHz -36.146 dBm 3 4	FUNCTION WOTH FUNCTION WALKE Auto M		
5 6 7 8 9	0 Hz	6 7 8 9	0		
10 11 12		10 11 12			

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LTE band 4

Lowest Band I	Edge / 1 RB	Highest Band Edge / 1 RB	1 RB	
ent Spectrum Analyzer - Swept SA		Agilett Spectrum Analyzer - Swept SA		
nter Freq 1.706000000 GHz PN0: Wide C	ALIGNAUTO 07:57:14 PMJun 12, 2016 Avg Type: RMS TRACE 1 3 4 5 6 Avg Hold>100/100 TYPE A A WAVAVA	Center Freq 1.75900000 GHz File: Wide File: Free Run Avg Type: RMS Trig: RMS Trig Trig: RMS Trig: RMS	Frequer	
Ref Offset 8.6 dB	Mkr1 1.710 000 GHz -22 305 dBm	e Ref Offset 85 dB	Auto	
9 6 Trace 1 Pass	Center Fre	q 185 Trace 1 Pass	Cente	
	1.706000000 GH	2 8.60	1.7590000	
	1.70000000 GF		Star 1.7530000	
	Stop Fri		Stor	
	1.712000000 GH		1.7650000	
nter 1.706000 GHz es BW 30 kHz #VBW 100 kHz*	Span 12.00 MHz Sweep 16.4 ms (1001 pts) 1.200000 MF	Center 1.759000 GHz Span 12.00 MHz #Res BW 30 kHz #VBW 100 kHz ^s Sweep 16.4 ms (1001 pts) z	C 1.2000	
X000 X Y FUNCT N 1 f 1.710 000 GHz -22.286 dBm N 1 f 1.709 328 GHz -40.805 dBm	ION FUNCTION WIDTH FUNCTION VALUE Auto Ma	MORE MODEL TRASE X Y RUNCHTON WOTH RUNCHTON WOTH <t< td=""><td>Auto</td></t<>	Auto	
	Freq Offs	4 3 4 4 2 5 6 6	Freq	
		- 7 8 9		
		10 11 12		
	STATUS	MEG STATUS		
Laurant David E		Link ant Daniel Edina / Evill DD		
Lowest Danu E	аде / гип къ	Highest Band Edge / Full RB		
nt Spectrum Analyzer - Swept SA		Agilent Spectrum Analyzer - Swept SA		
RL № SO Q. AC SENSE.INT nter Freq 1.706000000 GHz Trig: Free Run Trig: Free Run SS PN0: Wide CP Trig: Free Run	Avg Type: RMS TRACE 1 3 4 5 6 Avg Heid>100/100 TYPE A A AA A A	Center Freq 1.75900000 GHz File Run PN0: Wide PN0: Wide Trig: Free Run Avg Type: RMS Trig: Free Run Avg Type: RMS Ty	Frequer	
Ref Offset 8.6 dB	Mkr1 1.710 000 GHz -24 418 dBm	e Ref Offset 85 dB Mkr1 1.755 000 GHz	Auto	
Trace 1 Pass	Center Fre	q 186 Trace 1 Pass	Cente	
	1.706000000 GH	2 880 1.40	1.7590000	
4	1 Start Fre		Star 1.7530000	
4		4 51.4 The second secon	1.7650000	
	1.71200000 GH	2 -61.4		
ter 1.706000 GHz se BW 30 KHz #VBW 100 kHz*	Span 12.00 MHz Sweep 16.4 ms (1001 pts) 100000 MHz	Zz Stat Span 12.00 MHz Center 1.759000 GHz Span 12.00 MHz Span 12.00 MHz #Res BW 30 kHz #VBW 100 kHz* Sweep 16.4 ms (100 pts)	CI 1 2000	
ter 1.706000 GHz ss BW 30 kHz #VBW 100 kHz*	Sup Pri Sweep 16.4 ms (1001 pts) Patricoword: Auto Mitz Auto Mitz	ZZ 51.4 Span 12.00 MHz Span 12.00 MHz Center 1.759000 GHz #VBW 100 kHz* Sweep 16.4 ms (1001 pts) ZZ ZZ ZZ State 1 Sweep 16.4 ms (1001 pts) ZZ ZZ ZZ Sweep 16.4 ms (1001 pts) Sweep 16.4 ms (1001 pts) ZZ ZZ ZZ Sweep 16.4 ms (1001 pts) Sweep 16.4 ms (1001 pts) ZZ ZZ ZZ Sweep 16.4 ms (1001 pts) Sweep 16.4 ms (1001 pts) ZZ ZZ ZZ Sweep 16.4 ms (1001 pts) Sweep 16.4 ms (1001 pts) ZZ ZZ Sweep 16.4 ms (1001 pts) Sweep 16.4 ms (1001 pts) Sweep 16.4 ms (1001 pts)	C 1.2000 Auto	
Figure 1.706000 GHz #VBW 100 kHz* ss BW 30 KHz #VBW 100 kHz* N 1 f 1.700 000 GHz N 1 f 1.700 328 GHz 32.604 dBm 32.604 dBm	Span 12.00 MHz CF Stra Sweep 16.4 ms (1001 pts) 1200000 GI CP Stra Sweep 16.4 ms (1001 pts) CP Stra Sweep 16.4 ms (1001 pts)	Zz St 4 Span 12.00 MHz Span 12.00 MHz Z Center 1.759000 GHz #VBW 100 kHz* Sweep 16.4 ms (1001 pts) Z Res BW 30 kHz #VBW 100 kHz* Sweep 16.4 ms (1001 pts) L N f 1.755 900 GHz 26.406 dBm 2 N f 1.755 900 GHz 36.010 dBm 3 3 1.755 900 GHz 36.010 dBm	C 1.2000 Auto Freq	
1	Stop Fri Stop Fri 1.7/2000000 GP Sweep 16.4 ms (1001 pts) ON Force Generations Auto Million Freq Offs: 0+	Zz Stat Span 12.00 MHz P Center 1.759000 GHz #VBW 100 kHz* Span 12.00 MHz #Res BW 30 kHz #VBW 100 kHz* Sweep 16.4 ms (100 pts) Catoria Hz Bw 30 kHz #VBW 100 kHz* Sweep 16.4 ms (100 pts) Catoria Hz Bw 30 kHz #VBW 100 kHz* #Res Bw 30 kHz Catoria Hz Bw 30 kHz #VBW 100 kHz* #Res Bw 30 kHz 2 N 1 7155 900 GHz 36.010 dBm 3 4 4 4 4 6 7 7 7 7 9 0 0 0 0 0	C 1.2000 Auto Freq	

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Report No.: STS1606007F05

LTE band 4

LTE	Band 4 /	3MHz /QPSK	
Lowest Band Edge / 1 RB		Highest Band Edge / 1 RB	
Follow Developer Research		Antiput Sweetrum Analyzer - Sweet SA	
April By School Margar Series 200 Stretz Britt AL 1974 ATTO BIO 4.42 Center Freq 1.705500000 GHz Trig: Free Run Avg Type: RMS Trig: Analast PASS IFFGairs.ew FAtter: 30 dB Trig: Free Run Avg Type: RMS	Trace/Det Select Trace	Number Processor Applexition DBCC4 SPECENT Applexition DBCC4 Tracell Span 13.0000000 MHz Trig: Free Run Arg Type: RMS Trig: Sea Trig: Sea Trig: Sea Trig: Sea Trig: Sea Trig: Sea	Det Trace
Ref Offset88 dB INTEL 1,710 000 GHz 10 dBdW -16.684 dBm Log 186 186 0	2 Clear Write	Ref Offset88 dB16.704 dBm16.704 dBm -	ar Write
4.6 411 411 411 411 411 411 411 411 411 41	Trace Average	1.0 1.1 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	lverage
	Max Hold	41.4 41.4 41.4 41.4	ax Hold
Center 1.706500 GHz Span 13.00 MHz RRes BW 30 kHz #VBW 100 kHz* Sweep 17.7 ms (100 1pb) Cog tocs (rights) s v obter/on (sourceward)	Min Hold	Center 1758000 GHz Span 13.00 MHz #Res BW 30 kHz #VBW 100 kHz* Sweep 17.7 ms (1001 pts) Loss most less 4	lin Hold
N 1 f 1.710 000 GHz -16,723 dBm 2 N 1 f 1.707 699 GHz 47,101 dBm 3 4 5 6	View/Blank Trace On	N 1 1 1/56 000 0HZ -16/42 dBm 2 N 1 1 1/56 694 6Hz - 50,006 dBm 4	Blank ace On
7	More 1 of 3	7 8 9 10 11 12	More 1 of 3
Lowest Band Edge / Full RB		Highest Band Edge / Full RB	
Additional Speettraw Analyzer &	Trace/Det Select Trace	Anythen Spectrum Analyzer, Sampf M. Spect Prof. R107/RUTO (R001110M Jn 12,2016) Spect Span 13.0000000 MHz FM01 Fast Trig: Free Rum Arg Type: RMS More This is 6 Spect PASS FM01 Fast FM01 Fast Trig: Free Rum Arg Type: RMS More This is 6 Spect Ref Official Sciencew FM01 Fast FM01 Fast FM01 Fast Spect Spect Official Science	n Spar
10 dB/dW Ref 28.60 dBm -27.519 dBm 10 dB/d Trace 1 Pass	Clear Write	10 dRdw_Ref 28.60 dBm28.000 dBm	
114 1 214 314 314 1	Trace Average		ıll Spar
	Max Hold	211 314 514 Ceretaria 2000 Oliv	'o Spar
Center 1,709000 GHz Span 13.00 MHz #Res BW 30 kHz #VBW 100 kHz* Sweep 17.7 ms (1001 pts) U21 0259 0152 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Min Hold	Center Span 13.00 MHz Span 13.00 MHz #Res BW 30 kHz #VBW 100 kHz* Sweep 17.7 ms (1001 pts) Last Total State Total State 1 N 1 f 1.755 000 GHz 2003 dBm 2 N 1 f 1.755 000 GHz 2003 dBm	st Spar
2 N 1 T 1.707699 GHZ 42.131 dBm 4 5 5 7	View/Blank Trace On	A THE FORMER AND A THE	
8 9 10 11 12	More 1 of 3	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	I Track n Zoom) Off
MEG STATUS		ING STATUS	

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LTE band 4

L	owest Band	Edge / 1 RB		High	est Band	d Edge / [,]	1 RB	
ent Spectrum Analyzer - Swept SA RL RF 50 © AC	SENSE:INT	ALIGNAUTO 08:03:36 PMJun 12, 2016	Frequency	Agilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGNAUTO	08:02:47 PM Jun 12, 2016 TRACE 1 2 2 4 5 6	Trace/De
SS	PN0: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Held>100/100	Auto Tune	PASS IFGa	:Fast Trig:Free Run in:Low #Atten:30 dB	Avg Hold>100/100	TYPE A A MMMMM DET A A A A A A	Select Tr
Ref Offset 8.6 dB B/div Ref 28.60 dBm		Mkr1 1.710 000 GHz -16.565 dBm		Ref Offset 8.6 dB 10 dB/div Ref 28.60 dBm		MKr1 1	.755 000 GHz -16.797 dBm	
Trace 1 Pass			Center Freq	18.60 Trace 1 Pass				Clear
		1	1.70000000 012	-1.40			-	
			Start Freq 1.70000000 GHz	-21.4				Trace Av
		\$ ²	Ctop Erog	41.4	χ^2		F	
			1.713000000 GHz	-61.4	- John -			Max
ter 1.706500 GHz s BW 30 kHz	#VBW 100 kHz*	Span 13.00 MHz Sweep 17.7 ms (1001 pts)	CF Step	Center 1.758000 GHz #Res BW 30 kHz	#VBW 100 kHz*	Sweep 17	Span 13.00 MHz 7.7 ms (1001 pts)	Mir
N 1 F 1.7	10 000 GHz -16.597 dBm	FUNCTION FUNCTION WIDTH FUNCTION VALUE	Auto Man	MRE MRCE TRC SCL X 1 N 1 f 1.755 000 2 N 1 f 1.755 000	GHz -16.626 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	
N 1 f 1.7	'07 699 GHz -46.773 dBm		Freq Offset	2 N 1 F 1.755684 3 4	3HZ -50.412 dBm			View/B
				6 7 8			F	Trat
				9 10 11				
		STATUS]	12		STATUS		
				MSG				
		/		Mag				
Lo	west Band	Edae / Full RB		Highe	est Band	Edge / Fi	ull RB	
Lo	west Band	Edge / Full RB		Highe	est Band	Edge / Fu	ull RB	
Lo ¹	west Band	Edge / Full RB		Highe	est Band	Edge / Fu		
htspectrum Analyzer Swept SA	west Band	Edge / Full RB	Trace/Det	Agtent System Analyzer - Swapt SA Agtent System Analyzer - Swapt SA W RL NO Star - Star Span 13.0000000 MHz PASS - Pro-	est Band	Edge / Fu		Span
Lov 15 spectrum Analyzer, Sweet SA L FF S00 A CO 14 See Freq 1.7065000 SS Ref Offreet 8.8 dB	West Band	AUGULATION CONSTITUTION OF THE CONSTITUTION OF	Trace/Det Select Trace	Atlant Section Andrew Swart SA Atlant Section Andrew Swart SA Span 13,0000000 MHz PASS Provide State Section Section Band	Source Print	Edge / Fu	UII RB	Span 13.000000
Spectrum Analyzer Swept SA P 1000 & cc ter Freq 1.70650000 SS Ref Offset 8.6 dB Ref Mass 6.0 dBm Trace 1 Pass	Soce Million	Edge / Full RB	Trace/Det Select Trace	Adden Sysettime Analyzer - Swept SA Adden Sysettime Analyzer - Swept SA B AL PP 50.0 AC Span 13.0000000 MHz PASS PROTONE 85 dB 10 dB(dw. Ref 28.60 dBm 10 dB(dw. Ref	Social States 30 dB	Edge / Fu	Image: Control of the second	Span 13.000000
Lov toperturn Antipyr, 5mg/ 54 ter Freq 1.70650000 S Ref Offset 8.8 dB ref 28.60 dBm Trace 1 Pass	West Band	Edge / Full RB	TraceDet Select Trace 2 Clear Write	Address System Analyses - Swapt SA Address System 30:00 - AC Span 13:0000000 MHz PKG PASS IFG To dilicity - Ref 28:60 dBh Lo di	Sect Band	Edge / Fu	20000000000000000000000000000000000000	Span 13.00000
LO to reaction to the second State terr Freq 1.70650000 SS Ref Offset 8.8 dB Ref 28.60 dBm Trace 1 Pass	West Band	Edge / Full RB	Trace/Det Select Trace, 2 Clear Write Trace Average	Adheni Spectrum Ansigner - Swept SA Adheni Spectrum Ansigner - Swept SA Span 13,0000000 MH PASS Ref 05fact 8 dB to dBidly Ref 28.00 dBB to dB	Set Band	Edge / Fu Avg Type: RMS AvgHv64>100100 Mkr1 1	UII RB	Span 13.000000
Ref Offset 86 dB Ref 28.60 dBm Trace 1 Pass	West Band	Altranto International Interna	Clear Write	Addres Spectram Analyses - Swap SA Addres Spectram Analyses - Swap SA Span 13,000000 MHz PASS PROMOUS - PHC Ref Office SS 40 Trace 1 Pass PROMOUS - PHC Ref 728.60 dBm 10 10 10 10 10 10 10 10 10 10	Sest Band	Edge / Fi	UII RB	Span 13.00000 Full
Los ter Freq 1.70650000 S Ref Offset 8.6 dB Ref 28.60 dBm Trace 1 Pass	West Band	Edge / Full RB	Clear Write Trace Average Max Hold	Aftern Spectrum Analyzer, Swept SA # Att m 200 AC Span 13,0000000 MHz PASS PK 10 dBddyr, Ref 28,60 dBm 10 dBddyr, Trace 1 Pass 140 141 141 141	Sest Band	Edge / Fi	0051.00 M An 12,2016 Pred 101 3 + 50 Pred 101 3 + 50 Pred A A A A A A 7.55 000 GHz -28.099 dBm	Span 13.000000 Full Zero
Lo Algorithm Analyser, Swept SA L P 300 % ther Freq 1.70650000 S3 Ref Offset 8.6 dB Ref 28.60 dBm Trace 1 Pass Logithm Analyse Sa Ref Offset 8.6 dB Ref 28.60 dBm trace 1 Pass Logithm Analyse Sa Ref Offset 8.6 dB Ref 28.60 dBm Trace 1 Pass Logithm Analyse Sa Ref Offset 8.6 dB Ref 28.60 dBm Trace 1 Pass Logithm Analyse Sa Ref Offset 8.6 dB Ref 28.60 dBm Trace 1 Pass Logithm Analyse Sa Ref Offset 8.6 dB Ref 28.60 dBm Trace 1 Pass Logithm Analyse Sa Ref 0 dBm Analyse Sa Ref 0	SOLE SUIT	Edge / Full RB	Clear Write Trace Average	Address System Analyzer - Swept SA Address System Sandback PASS	Social States 30 dB	Edge / Fi	2011 RB	Span 13.00000 Full Zero
Lo Algorithm Analyzer, Swept Mil L R2 1000 Ac Alexandrowski and Alexandrowski and Ref Offset & & dB Ref Offset & & dB Ref Offset & & dB Ref Z.S.60 dBm Trace 1 Pass Log Ref Z.S.60 dBm trace 1 Pass tra	West Band	AUGUAL OF CONTRACTOR OF CONTRA	TraceDet SelectTrace, 2 ClearWrite Trace Average Max Hold Min Hold	Adden Spectrum Analyzer - Swept SA R L PP 500 AC Span 13,0000000 MHz PK PASS Provide Sa dB 10 dBiddy Ref 28,000 dBm 10 dBiddy Ref 28,000 dBm 10 dBiddy Action 10 and	Sectors Band	Edge / Fu	LII RB	Span 13.00000 Full Zero Last
Lo 2015 2015 2015 1015 2	Vest Band	Edge / Full RB	Trace/Det Select Trace, 2 Clear Write Trace Average Max Hold Min Hold	Addent Spectrum Analyzer Sweet SA Addent Spectrum Analyzer Sweet SA Span 130000000 MHZ PASS IF OTSET & SB To dilicity Ref 28.600 dBh Conter 1.758000 GHz Ref Office B & BB Conter 1.758000 GHz Ref SB 00 GHZ RE	SSE Band	Edge / Fu	Span 13.00 Mtz Span 13.00 Mtz Span 13.00 Mtz Span 13.00 Mtz Span 13.00 Mtz Span 13.00 Mtz	Span 13.000000 Full Zero Last
Lo to construct the second se	West Band 0 GHz 190 GHz Pi0 Fiat Trig: Free Run BAtter: 30 dB FG aint.avv Trig: Stee Run Atter: 30 dB B B	Edge / Full RB	Trace/Det Select Trace 2 Clear Write Trace Average Max Hold Min Hold View/Blank, Trace On	After System Austore Sweet SA	St Band	Edge / Fu	UII RB	Span 13.00000 Ful Zerc Lass
Ref Offset 86 dB Ref 28.60 dBm Trace 1 Pass EVALUATION CONTRACT AND	West Band	Ecige / Fuil RB	Trace/Det Select Trace 2 Clear Write Trace Average Max Hold Min Hold View/Blank Trace On More	After Spectrum Ansigner Sweet SA After Spectrum Ansigner Sweet SA Span 13,0000000 MHz PASS For Offset 8 dB Tog Bidly Ref 28,00 dBh Tog Bidly	St Band	Edge / Fu	UII RB	Span 13.00000 Full Zero Last

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LTE band 4

LTE Band 4 / 5MHz /QPSK						
Lowest Band Edge / 1 RB	Highest Band Edge / 1 RB					
Addmit Spectrum Analyzer, Swept SA Spect RM1 AUXAUTO Description 12,2010 F 0 190 90 0.0 170 <td< th=""><th>Addent System Analyzer Swegt SA. State Brit Alstein T A</th></td<>	Addent System Analyzer Swegt SA. State Brit Alstein T A					
Lowest Band Edge / Full RB	Highest Band Edge / Full RB					
Algent Sector Analyser Server SA Sector Algent Sector	Auto Tune Productory Producto					
1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	080000000 GHz 0.0 1.757000000 GHz Start Freq 1.0 1.157000000 GHz 110 1.157000000 GHz 1.757000000 GHz 310 1.157000000 GHz 1.757000000 GHz Stop Freq 614 Stop Freq					
Image: State of the s	CF Step 1.500000 Mrz 1.500000 Mrz 1.50000 Mrz 1.500000 Mrz 1.5000000 Mrz 1.5000000 Mrz 1.500000 Mrz 1.500000 Mrz 1.					
6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8					

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LTE band 4

LTE Band 4 / 5MHz /16QAM										
Lowest Band Edge / 1 RB				Highest Band Edge / 1 RB				1 RB		
igilent Spectrum Analyzer - Swept SA ■ RL RF 50 Ω AC	SENSE:INT	ALIGNAUTO	06:09:18 PM Jun 12, 2016		Aglient Spectrum Analyzer - Swept SA DI L RF 50 Q AC	SENSE:INT	ALISNAUTO	08:10:40 PMJun 12, 2016	Fraguena	
Ref Offset 8.6 dB	HZ NO: Fast Trig: Free Run Gain:Low #Atten: 30 dB	Avg Type: RMS Avg Hold>100/100 Mkr1	1.710 000 GHz -17,557 dBm	Auto Tune	Center Freq 1.75750000 PASS Ref Offset 8.6 dB Ref 28 60 dBm	PN0: Fast IFGain:Low #Atten: 30 dB	Avg Type: RMS Avg Hold>100/100 Mkr1	1.755 000 GHz -15.553 dBm	Auto Tu	
		Λ		Center Freq 1.708000000 GHz	18.60 -1.40	Λ			Center F 1.757500000	
11.4 21.4 31.4				Start Freq 1.700500000 GHz	-11.4 -21.4 -31.4				Start F 1.750000000	
41.4 51.4 61.4	A 22		hand	Stop Freq 1.715500000 GHz	-41.4 -51.4 -61.4		Å		Stop F 1.765000000	
Center 1.708000 GHz Res BW 51 kHz	#VBW 160 kHz*	Sweep 7	Span 15.00 MHz 7.13 ms (1001 pts) sunonovaus	CF Step 1.500000 MHz Auto Man	Center 1.757500 GHz #Res BW 51 kHz	#VBW 160 kHz*	Sweep FUNCTION FUNCTION VIOL	Span 15.00 MHz 7.13 ms (1001 pts)	CF S 1.500000 Auto	
2 N 1 f 1.708 22 3 4 5 5 6 7	24 GHz -55.703 dBm			Freq Offset 0 Hz	2 N 1 F 13 3 4 5 6 6 7	758 990 GHz -48.930 dBm			Freq Of	
8 9 10 11					8 9 10					
12					11 12					
12		STATUS			11 12 MSC		STATU	6		
Low	est Band I	status Edge / F	ull RB		Hig	Jhest Band	statu Edge / F	s Full RB		
Low	est Band I	status Edge / F	ull RB		Hig	Jhest Band	Edge / F	• Full RB		
Z LOW Sent Spectrue Analyzer - Swept SA AL 07 1000 0000 00 enter Freq 1.7080000000 C		Edge / F		Frequency	Hig	phest Band	Edge / F		Frequency	
Iz Image: Source of the sector o	est Band I SOCEON HZ HZ Free Run SAtter: 30 dB	Edge / F	UII RB	Frequency Auto Tune	12 13 14 15 16 10 10	Jhest Band	Edge / F AvgTys: RMS AvgTys: RMS AvgTys: RMS AvgTHeid: 100/100	Construction 12,2016 Construction	Frequency Auto T	
Image: Spectrum Analyzer Swept SA RL RI	est Band I sector HZ Bio For Trip Free Ran Satter: 30 dB	Edge / F	UII RB	Frequency Auto Tune Center Freq 1.70800000 GHz	Hig Higher Spectrum Analyses, Swept Si Alt are 100 and Center Freq 1.75/570000 PASS Ref Officet 8 d dB 10 dBiddy. Ref 28.60 dBm 10 dBiddy. Re	Jhest Band	Edge / F	BELIERADO 12,2010	Frequency Auto T Center I 1.757500000	
Low	est Band I Back Far Trig Free Run Safet 30 dB	Edge / F Augusto Ang Type 2000 Mkr1	uli RB	Frequency Auto Tune Center Freq 1.70600000 GHz Start Freq 1.700600000 GHz	Higher Spectrum Analyses - Sweet Miles Higher Spectrum Analyses - Sweet Miles Higher Spectrum Analyses - Sweet Miles Control Freq 1/2572000 PASS Trace 1 Pass Ref Office 88 48 Trace 1 Pass Higher Trace 1 Pass Hi	Jhest Band	Edge / F	BEAD HIRM DA 12 2010 THE ALARA A 17.755 GOOG GHz -27.560 dBm	Frequency Auto T 1.757500000 Start F 1.75000000	
22 22	est Band I second I for Fart	Edge / F	UII RB	Frequency Auto Tune Center Freq 1.70800000 GHz Start Freq 1.70550000 GHz Stop Freq 1.75500000 GHz	Image: sector Analyse Sector Analyse Sector Sector Main: Sector Analyse Sector Sector Sector Sector Main: Sector Analyse Sector Sector Sector Sector PASS Ref Offset 8 d B Sector Sector Main: Sector Sector Trace 1 Pass Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector	Jhest Band	Edge / F	о Full RB	Frequency Auto T Center I 1.757500000 Start F 1.755000000 Stop F 1.755000000	
Low Seginary Low Low	est Band I see 201 Hz Solution Files 30 B Files 20 B Files 2	Edge / F	UII RB	Frequency Auto Tune Center Freq 1.70800000 GHz Start Freq 1.70500000 GHz Stop Freq 1.70500000 GHz CF Step Auto Man	Image: section finity Section finity <ths< td=""><td>Jhest Band</td><td>ECCORE / F</td><td>EURID SEMAN 12,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,000 Mag 10,000</td><td>Frequency Auto T Center F 1.757500000 Start F 1.75000000 Stop F 1.765000000 CF S</td></ths<>	Jhest Band	ECCORE / F	EURID SEMAN 12,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,200 Mag 10,000 Mag 10,000	Frequency Auto T Center F 1.757500000 Start F 1.75000000 Stop F 1.765000000 CF S	
Iz Iz<	EST Band I 19902301 H2 Soft Fast Soft Fast	Edge / F	UII RB	Frequency Auto Tune Center Freq 1.70600000 GHz Start Freq 1.70550000 GHz Stop Freq 1.5050000 GHz CF Step 1.500000 MHz GF Step 1.500000 MHz Freq Offset 0 Hz	Image: sector and yet	Jhest Band	ECOLOGY CONTRACTOR	© CUIL RB	Frequency Auto T 1.757500000 1.757500000 1.755000000 1.755000000 1.500000 1.500000 Freq Of	
12 1 100 100 101 100 102 100 103 100 104 100 105 100 105 100 104 100 105 100 105 100 104 100 105 100 104 100 104 100 104 100 104 100 105 10000 104 10000 104 10000 104 10000 104 10000 101 10000	est Band I second I transformer Trig:Free Run SAtter: 30 dB vertical and a second secon	Edge / F	UII RB	Frequency Auto Tune Center Freq 1.70800000 GHz Start Freq 1.70050000 GHz Stop Freq 1.500000 MHz CF Step 1.500000 MHz Auto Min Freq Offset 0 Hz	Image: sector Analyse Sector Analyse <th< td=""><td>Jhest Band</td><td>Edge / F</td><td>© Control of the second second</td><td>Frequency Auto Tu Center Fri 1.757500000 0 Start Fri 1.755000000 0 Stop Fri 1.755000000 0 CF Si 1.500000 N Auto Tu Freq Off 0</td></th<>	Jhest Band	Edge / F	© Control of the second	Frequency Auto Tu Center Fri 1.757500000 0 Start Fri 1.755000000 0 Stop Fri 1.755000000 0 CF Si 1.500000 N Auto Tu Freq Off 0	

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