

LTE band 5





Report No.: STS1603157F05

LTE band 5



Shenzhen STS Test Services Co., Ltd.



LTE band 7



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LTE band 17



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LTE band 17



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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.

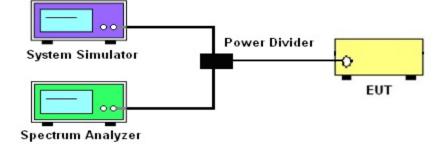
5. §27.53 (g)

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.

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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)

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

= -13dBm.

Band 7:

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

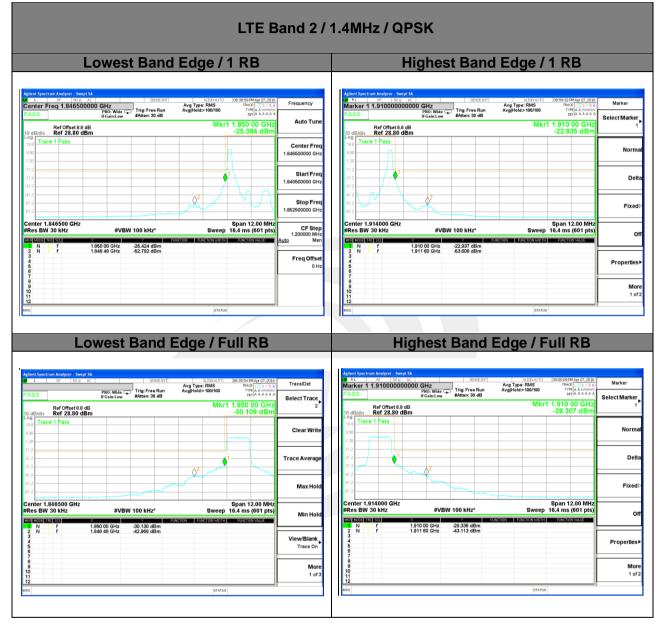
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= [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
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= -25dBm.

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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





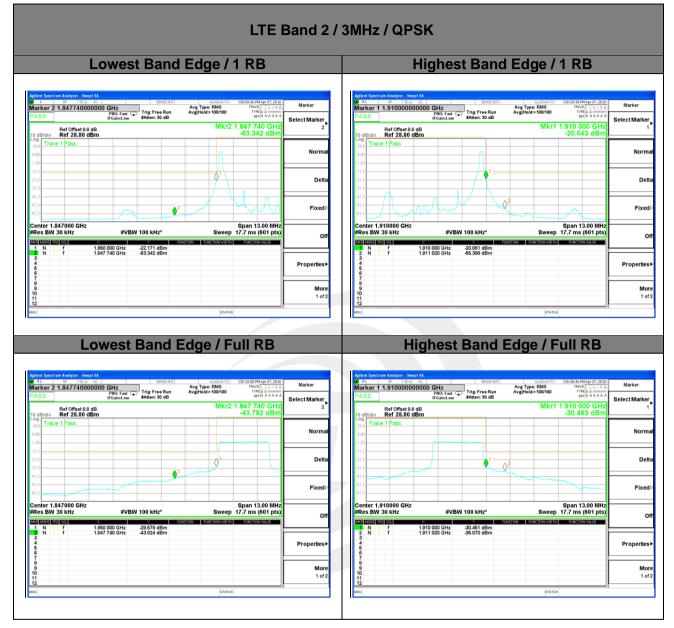
LTE band 2

Lowes	st Band E	dge / 1 RB		Hi	ghest Band	d Edge / 1	1 RB	
glent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGNAUTO 08:42:36 PM Apr 07, 2016	Trace/Det	Agilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGNAUTO Avg Type: RMS	08:57:23 PM Apr 07, 2016	Marker
ASS PNO: Wide IFGain:Low 0 dB/div Ref 28.80 dBm	Avg Trig: Free Run Avg #Atten: 30 dB	Type: RMS Held>100/100 Mkr1 1.850 00 GHz -26,982 dBm	Select Trace	Marker 1 1.910000000000 PASS 10 dB/dlv Ref 0ffset 8.8 dB 10 dB/dlv Ref 28.80 dBm	0 GHZ PNO: Wide Trig: Free Run IFGain:Low #Atten: 30 dB	Avg[Hold>100/100	TYPE A A WANNAW	Select Marke
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Res BW 30 kHz #VE 25 M009 HZE ISC X 1 N 1 f 1.850 00 GHz	W 100 kHz* 26.999 dBm -56.323 dBm	Sweep 16.4 ms (601 pts)	Min Hold	#Res BW 30 kHz	#VBW 100 kHz*	Sweep 1	16.4 ms (601 pts)	
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8		STATUS		7		STATUS		
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8 9 10 11 12 12	Band Ed			7 9 10 11 12 MSG	hest Band		ull RB	
8 9 10 11 12 12	SENSE:INT			7 0 10 11 12 12 12 12 130 12 140 12 150 10	596£:0//]) GHz	Edge / Fu	08:57:48 PM Apr 07, 2016	
Constant Spectrum Analyzer Swept 54 The Top Spectrum Analyzer Swept 54 The Top Spectrum Analyzer Swept 54 The Top Spectrum Spectru	SENSE:INT		1 or 3	Image: Control of the section of the sectio	SENSE:INT	Edge / Fu	08:57:48 PMApr 07, 2016 TRACE 1 2 3 4 5 6 TYPE A 4 0 4 4 4	M 1 Marker Select Marke
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glent Spectrum Analyzer - Swept SA RF 50.0, AC SENSE:DVT	ALISNAUTO 09:11:36 FMApr 07, 2016 Marker	Agtient Spectrum Analyzer Swergt SA. 41.021.0100 (09.10.27.PM.Agr 07.2016)
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	Fixed	
2 enter 1.847000 GHz Res BW 30 kHz #VBW 100 kHz*	Span 13.00 MHz Sweep 17.7 ms (601 pts)	Center 1.847000 GHz #Res BW 30 kHz #VBW 100 kHz* Sweep 17.7 ms (601 pts)
X Y PUNCTION N 1 f 1.850 000 GHz -22.779 dBm N 1 f 1.847 740 GHz -64.303 dBm	FUNCTION WIDTH FUNCTION VALUE	DDR/ MCG/ HB3 (31) X Y Ratificity Ratif <th< td=""></th<>
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keil Spectrum Analyzer, Swapt SA 98062971 100 1000 Acc 98062971 Arker 1 1.910000000000 GHz Price Frant Arg SS Price Frant Arg Ref Offset 88 dB 93000 Arg Ref Offset 88 dB 93000 93000	RUSPLATIO 109201151M4cr02,000 Marker Type: RMS TMACE [1:0:0:5:6] Marker Heids/100100 TWR A ANAMAY Select Marker	Agtent Spectrum Ankyzer - Swept SA spectpin Austruit/o (092706 MAgr07, 2016) Market Market 1990 AC 9092 AC Spectpin Austruit/o (092706 Magr07, 2016) Market Market 11.910 0000 GHz PASS PR06 Fast 2- 10 dBlder, Ref 28.80 dBm Trig-Free Run Heater 20 dB Avg1+eide 100100 Trig-Free Run Free Run
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LTE band 2

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enter 1.847500 GHz Res BW 51 kHz #VBW 150 kHz*	Span 15.00 MHz Sweep 7.16 ms (601 pts) Min Hold	Center 1.912500 GHz #Res BW 51 kHz	#VBW 150 kHz*	Span 15.00 MHz Sweep 7.16 ms (601 pts)	
X2 Model X4 Exhibition FL I N 1 f 1.850 000 GHz -21.440 dBm 2 N 1 f 1.847 620 GHz -52.543 dBm 52.543 dBm 52.543 dBm 53.543 dBm <		MME MODE MAR SLL X 1 N 1 f 1.910 2 N 1 f 1.911 3 3 1 1 1.911	000 GHz -20.384 dBm 825 GHz -57.391 dBm	UNCTION FUNCTION WIDTH FUNCTION VALUE	
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9	More	8			M
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Ass Philo: Far Angly Arg Type Ref System of the State of		High Addam Spectrum Analyzer Swapt 34 Marker 1 1.910000000000 PASS Berl Official 8.4.8	GH7		Trace/Det Select Tra
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Lowest Band Edge	e/1RB	Highest Band	Edge / 1 RB
Jiant Spectrum Analyzer - Swept SA RF 50.0 AC SENSEDVT ALL	191AUTO 09-51-22 PMApr 07, 2016 Trace/Det	Agilent Spectrum Analyzer - Swept SA VA RF S0 Q AC SENSE:0/17	ALIGNAUTO 09:56:51 FMApr 07, 2016
A d D / d D	MS TRACE 122456 Hacerbet	Marker 1 1.910000000000 CHz Trig: Free Run PASS PRO: Free Cun #Atten: 30 dB 10 dB/dlv Ref Offset 8.8 dB Ref 28.80 dB	Avg Type: RMS 17402 10000 07500 7746 Avg Avg]Hold>100100 1740 1000 0750 10000 0750 100
9 Trace 1 Pass	Clear Write	Cog 1880 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.30	Clea
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BEWOTE TREESCH X FUNCTION FUNCTION	Span 15.00 MHz Sweep 7.16 ms (601 pts) Min Hold		Span 15.00 MHz Sweep 7.16 ms (601 pts) Mon Function water
N I f 1.860 000 GHz -22.458 dBm 2 N I f 1.847 620 GHz -62.743 dBm 3 4 - </td <td>View/Blank Trace On</td> <td>N 1 F 1910 000 GHz 21.466 dBm N 1 F 1911 825 GHz 57.939 dBm 4 5 7</td> <td>View/ Tri</td>	View/Blank Trace On	N 1 F 1910 000 GHz 21.466 dBm N 1 F 1911 825 GHz 57.939 dBm 4 5 7	View/ Tri
/ 8 9 0	More 1 of 3		
a	STATUS	9 10 11 12 12	STATUS
Lowest Band Edge	STATUS		
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Aughted::: 10 dB Aughted::: 10 dB Aughted:: 10 dB Aughted	/ Full RB	Address System (Marker Street State) Higher System (Marker Street State) Marker 11 301000000000 GHZ PASS	dge / Full RB
And Section Analyses of Se	/ Full RB	Highest Band E	dge / Full RB
And Section Analyses of Se	MANUE MORE STORMAR (P. 2016) MS TraceIDet MS TraceIDet MS TraceIDet MRT1 1.850 000 GHz -33.018 dBm Select Trace	Address System (Marker Street State) Higher System (Marker Street State) Marker 11 301000000000 GHZ PASS	Avg NOVENTO 0095030MAgr (2,2006) Avg Tracel Avg Tracel AvgHold>: 100100 Tracel AvgHold>: 000100 Tracel Select Select -30.891 dBm Select
Lowest Band Edge	A Full RB	Address System View of States and	dge / Full RB
Arrowski Stand Arrowski Stand	A Full RB	ACCEPTION AND AND AND AND AND AND AND AND AND AN	Augusto 000000000000000000000000000000000000
Tace 1 Pass Trace	A Full RB Clear Write Span 15.00 MHz Sweep 7.16 ms (601 pts)	All and a second	dge / Full RB

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Lo	owest Band	Edge / '	1 RB		Н	lighest Band	l Edge / 1	I RB	
dent Spectrum Analyzer - Swept SA L RF 50 ⊋ AC larker 1 1.850000000000	SENSE:INT	ALIGNAUTO Avg Type: RMS Avg Hold>100/100	10:02:13 PM Apr 07, 2016 TRACE 1 23 4 5 6	Marker	Aglient Spectrum Analyzer - Swept S D L RF S0 & A Marker 1 1.9100000000 L L RF S0 & A	C SENSE:INT	ALIGNAUTO Avg Type: RMS Avg Hold>100/100	10:06:23 PM Apr 07, 2016 TRACE 1 2 3 4 5 6 TYPE A 4 WMMM	Trace/Det
ASS AB/div Ref Offset 8.8 dB Ref 28.80 dBm	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB		1.850 00 GHz -25.410 dBm	Select Marker 1 ▶	PASS 10 dB/div Ref Offset 8.8 dB Ref 28.80 dBr	IFGain:Low #Atten: 30 dB	Mkr1	1.910 00 GHz -21.689 dBm	Select Trac
79 Trace 1 Pass				Normal	18.8 18.8 1.20				ClearW
1.2	1			Delta	-11.2				Trace Aven
1.2 1.2	2	hund		Fixed⊳	-41.2 -51.2 -61.2		~~~~~ ²	~~~~	Max H
enter 1.85000 GHz Res BW 100 kHz		Sweep	Span 20.00 MHz 2.48 ms (601 pts) EUXGEONWAUE	off	Center 1.91000 GHz #Res BW 100 kHz	#VBW 300 kHz*	Sweep 2	Span 20.00 MHz 2.48 ms (601 pts) FURMENTATION	Min H
N 1 f 1.8 2 N 1 f 1.8 3 4 5 6 7	150 00 GHz -26,453 dBm 146 00 GHz -59,491 dBm			Properties►	3 4 5	1.910 00 GHz -21.732 dBm 1.913 82 GHz -56.758 dBm		F	View/Blar Trace C
7			-	More	6 7 8			F	м
9 0 1 2		STATUS		1 of 2	10 11 12 MSG		STATUS		1
1 2	west Band I		ull RB		10 11 12 MSG	ghest Band		ull RB	1
Lov	SENSE:INT	Edge / Fr	10:02:32 PMArx 07, 2016		10 11 12 12 12 12 12 12 12 12 12 12 12 12	A C SENSE:017		10:06:01 PMApr 07, 2016	1 Trace/Det
Lov Lov Sectors Associations arker 1 1.850000000000 Ref Offset 8.8 dB	SENSE:INT	Edge / Fu	10:02-32 PM Apr 07, 2016 TRACE 1 23 4 5 6 TYPE A 4 A 4 A 4 LET A 4 A 4 A A 4 1.850 00 GHz	1 of 2	10 11 12 13 14 15 15 15 15 15 15 15 15 15 15	A SCREEPT	Edge / Fu	10:06:01 PMApr 07, 2016 TRACE 12 3 4 5 6 TYPE A A A A A DET A A A A A A 1.910 00 GHZ	Trace/Det
Lov Interferent Analyzer, Swept M. 100 2003 AC 100 200	3ENSE:INT	Edge / Fu	10:02:32 PM Apr 07, 2016 TRACE 1 [2] 3 4 5 6 TVPE A 4 MANA DET A A A A A A	1 of 2 Trace/Det Select Trace	Agilent Spectrum Analyser - Swept S Agilent S Agilent Spectrum Analyser - Swept S Agilent S	A SCREEPT	Edge / Fu	10:06:01 PMApr 07, 2016 TRACE 1 2 3 4 5 6 TVPER & UNIVARY DET & A & A & A & A	
Lov Interferent Analyzer, Swept M. 100 2003 AC 100 200	3ENSE:INT	Edge / Fu	10:02-32 PM Apr 07, 2016 TRACE 1 23 4 5 6 TYPE A 4 A 4 A 4 LET A 4 A 4 A A 4 1.850 00 GHz	1 of 2	Agitent Syectrum Analyzer , Swept S Agitent Systems Analyzer , Swept S Agitent S Agite	A SCREEPT	Edge / Fu	10:06:01 PMApr 07, 2016 TRACE 12 3 4 5 6 TYPE A A A A A DET A A A A A A 1.910 00 GHZ	Trace/Det Select Trac Clear W
Ent Spectrum Analyzer, Swept M. 1990 - Area (Spectrum Analyzer, Swept M. 1990 - Area (Spectrum Analyzer) 1990 - Area (Spectrum An	3ENSE:INT	Edge / Fu	10:02-32 PM Apr 07, 2016 TRACE 1 23 4 5 6 TYPE A 4 A 4 A 4 LET A 4 A 4 A A 4 1.850 00 GHz	Trace/Det Select Trace, 2 Clear Write	Agitent Syectrum Analyzer , Swept S Agitent Systems Analyzer , Swept S Agitent S Agite	A SCREEPT	Edge / Fu	10:06:01 PMApr 07, 2016 TRACE 12 3 4 5 6 TYPE A A A A A DET A A A A A A 1.910 00 GHZ	Trace/Det Select Trac
LLON Interferent Antigen: Serger Ser arker: 11.1850000000000 SSS Mer 28.80 dBm Mer 28.80 dB	D GHZ PRC Inf Charlow Ficantian Feature PRC Inf Charlow Free Charlo	Edge / Fi	1002:33 8440 07 5016 1012 12 12 12 12 12 12 12 12 12 12 12 12 1	Trace/Det Select Trace 2 Clear Write Trace Average	10 111 uso Aglesti Spectrue Analyser 10 11 uso	A DECEMPTION OF A DECEMPTION O	Edge / Fu	10:06:01 PMApr 07, 2016 TRACE 12 3 4 5 6 TYPE A A A A A DET A A A A A A 1.910 00 GHZ	Trace/Det Select Tra Clear W Trace Aver
LLON Interferent Antigen: Serger Ser arker: 11.1850000000000 SSS Mer 28.80 dBm Mer 28.80 dB	2 OHz PFO: Fau C PFO: Fau C Fraind.ev Trig: Free Run Actes: 30 dB 2 2 4 VBW 300 kHz*	Edge / Fi	1002:33 8440 07 5016 1012 12 12 12 12 12 12 12 12 12 12 12 12 1	Trace/Det Select Trace, 2 Clear Write Trace Average Max Hold	10 11 11 12 11 12 110 12 111 12 112 12 113 130000000 PASS Ref Offset 8.8 dB 10 Galady Ref 28.80 dB 112 12 13 112 13 13 112 13 13 112 13 13 112 13 13 112 13 13 112 13 13 112 13 13 112 13 13 112 13 13 112 13 13 112 14 14 112 14 14 112 14 14 112 14 14 112 14 14 112 14 14 112 14 14	A DISCRETE SUPERAL SUP	Avgreen MS AvgHeids 100100 Mkr1	1008001 MAY 07 2010 TYTE A AAAAA 1910 00 GHz -32,549 dBm -32,549 dBm -32,549 dBm -44 ms (601 pts)	Trace/Det Select Tra Clear W Trace Aver Max H

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LTE band 2

	owest Band.	Edge / 1	RB		Н	ighest Band	l Edge / '	1 RB	
Jient Spectrum Analyzer - Swept SA L № 50 Ω AC arker 1 1.8500000000 ASS	DOO GHZ PN0: Fast IFGain:Low #Atten: 30 dB	Avg Type: RMS Avg Hold:>100/100	TYPE A A WINNWY	Trace/Det Select Trace	Adjent Spectrum Analyzer - Swept SA D L RF 100 2 AC Marker 1 1,910000000 PASS Ref Offset 8.8 dB	SENSE:INT	Avg Type: RMS Avg Hold>100/100	10:05:07 PM Apr 07, 2016 TRACE 1 23 4 5 6 TYPE A 4 4 4 A A DET A 4 A A A A 1.910 00 GHZ	Marker Select Marke
Ref Offset 8.8 dB dB/div Ref 28.80 dBm g 8.8 100 dB/div Pass	n 		27.329 dBm	2 Clear Write	Ref Offset8.8 dB Ref 28.80 dBm 10 dB/div Ref 28.80 dBm			-24.441 dBm	Nor
20			τ	race Average	-1.20 -11.2 -21.2 -31.2				D
1.2		homente		Max Hold	-41.2 -51.2 -61.2		2 2		Fix
enter 1.85000 GHz Res BW 100 kHz	#VBW 300 kHz*	Sweep 2.4	pan 20.00 MHz 18 ms (601 pts)	Min Hold	Center 1.91000 GHz #Res BW 100 kHz	#VBW 300 kHz*	Sweep :	Span 20.00 MHz 2.48 ms (601 pts)	
	1.850 00 GHz -27.372 dBm 1.846 00 GHz -60.013 dBm			View/Blank Trace On	1 N 1 f 1 2 N 1 f 1 3 4 5 6 7	.910 00 GHz -24.483 dBm .913 82 GHz -58.044 dBm			Properti
9				More 1 of 3	8				N 1
1 2		STATUS			10 11 12 MSG		STATUS	P	
1	owest Band I		II RB		MSG	ghest Band		ull RB	
Lo and Spectrum Analyzer Swept 34 1 00 a 45 1	A C SENSE INT 1000 GHz PHO: Fast Free Run #Atten: 30 dB	Edge / Fu	0:02:56 PM Apr 07, 2016 TRADE 1 2 3 4 5 6 TVYEL & A & A & A & A DET A & A & A & A & A	Trace/Det Select Trace	Higher Spectrum Analyses - Swedt Marker 1 1.91000000000000000000000000000000000	SPICE.B/T 00 GHz PRO: Fast ↓ Trig: Free Run IFGaint.ow #Atten: 30 dB	Edge / F	10:05:28 PM Apr 07, 2016 TRACE 1 23 4 5 6 TVPE A A WAWN DET A A A A A A	
Lo ant Sections Andrews . Serget 34 res 300 AC arker 1 1.8500000000 SS Ref Offset 8 4 dB Ref 28.80 dBm PT Taxon 4 Area	A C SPICE Infl DOD GHz PRO: Fast C FGsin1.ow #Atten: 30 dB	Edge / Fu Auguration Int Aug Type: RMS Aug Intelex horitoo Mkr1 1.	0:02:56 PM Apr 07, 2016 TRACE 1 2 3 4 5 6 TYPE A A WWWW	Trace/Det	Higher Spectrum Analyzer - Smipt M Advent Spectrum Analyzer - Smipt M Marker 1 1,9100000000 PASS To dBiday Ref 28.80 dBm To dBiday Ref 28.80 dBm Tag Trace 1 Pass 8.00	SPICE.B/T 00 GHz PRO: Fast ↓ Trig: Free Run IFGaint.ow #Atten: 30 dB	Edge / F	10/05/28.0Marx 07 2016	Select Tra
Lo htt Spectrum Analyzer - Small M 2020 A - 2 arker 1 1.850000000 AS Ref Offset8.8 dB Ref 28.80 dBm	A C SPICE Infl DOD GHz PRO: Fast C FGsin1.ow #Atten: 30 dB	Edge / Fu Auguration Int Aug Type: RMS Aug Intelex horitoo Mkr1 1.	002363/Mar 07,2016 1764 (11) 24 5,5 1764 (11)	Trace/Det Select Trace, 2	Mile Addam Spectrum Analyzer Security 54 Marker 1 1 1.91000000000 PAS 2 Cong Trace 1 Pass Security 54 State Security 54	SPICE.B/T 00 GHz PRO: Fast ↓ Trig: Free Run IFGaint.ow #Atten: 30 dB	Edge / F	10:05-28 PM Apr 07, 2016 TRACE 1 2 4 5 6 TYME A A AAAA LET A A AAAA 1.910 00 GHz	Trace/Det Select Tra Clear W Trace Aver
Lo Intersection Analysis Send 54 Tarker 1 1.350000000 ASS Ber Offset 8 all Garden Pass and Control Pass and Contr	A C SPICE Infl DOD GHz PRO: Fast C FGsin1.ow #Atten: 30 dB	Edge / Fu	0025914447 07, 3016 1002 [013 4 5 6] 1141 [014 4 5 6] 1141 [014 4 6 6] 1141 [014 4 6 6] 1141 [014 4 6] 1	TraceDet Select Trace, 2 Clear Write	Mile Addam Spectrum Analyzer Server 34 Addam Spectre Server 34	SPICE.B/T 00 GHz PRO: Fast ↓ Trig: Free Run IFGaint.ow #Atten: 30 dB	Edge / F	1000 28 MAY 07 2016 Provide 1 1 2 1 2 3 3 5 Provide 1 2 1 2 3 3 5 Provide 1 2 1 2 1 2 3 5 Provide 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Select Tra Clear W
Lo MI Systine Anitysy . Swell AN 100 AC 100	A SPEED	Edge / Fu	002363/Mar 07,2016 1764 (11) 24 5,5 1764 (11)	Trace/Det Select Trace, 2 Clear Write Trace Average	Hig H	BOCHZ PROLEM Protection Frequence Freque	Edge / Fl	1000 20 Project 2016 1000 20 Project 2016 1000 2017 2016 1000 2017 1000 2017 2000 2000 2000 2	Select Tra Clear W
Lo to Sector Analyses, Sound St to	Source and S	Edge / Fu	00259/May 07, 2016 Tixed [11:1:1:5:5: Tixed [11:1:1:5:5: Tixed [11:1:1:5:5: Tixed [11:1:1:5:5: Tixed [11:1:1:1:5:5: 1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1	TraceIDet Select Trace, 2 Clear Write Trace Average Max Hold	Mile Address Section Analysis Section Analysis	BRD FLar Trig: Free Run FRG FLar Trig: Free Run Exten: 30 dB	Edge / Fi	1000 20 Project 2016 1000 20 Project 2016 1000 2017 2016 1000 2017 1000 2017 2000 2000 2000 2	Select Tra Clear V Trace Ave Max I

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LTE band 2

	ge / 1 RB		Highest Band	Edge / 1 RB	
jient Spectrum Analyzer - Swept SA	ALIGNAUTO 10:11:31 FM Apr 07, 2016	100	Spectrum Analyzer - Swept SA	ALISNAUTO 10:16:21 PMApr 07, 2016	
Arker 1 1.85000000000 GHz ASS PNO: Fast IFGain:Low #Atten: 30 dB	RMS TRACE 123456 100/100 TYPE A 4 44444	Marker Select Marker	iroanicow pritch, or up	Avg Type: RMS Avg Heid>100/100 ter AAAAAAA Mkr1 1.910 000 GHz	Marker Select Mark
Bet Offset 8.8 dB Ref 28.80 dBm 99 Trace 1 Pass 0	-23.605 dBm	10 de Log 18.8	Idiv Ref 28.80 dBm Trace 1 Pass	-22.949 dBm	Nor
		Normal 8.80 -1.20 -11.2			NO
		Delta -21.2 -31.2 -41.2			D
12 12 12 12	han ha	-51.2 -61.2	Aman	land 2	Fix
	Span 25.00 MHz Sweep 1.40 ms (1001 pts)	off	er 1.90700 GHz BW 150 kHz #VBW 470 kHz*	Span 25.00 MHz Sweep 1.40 ms (1001 pts)	
N 1 f 1.850 000 GHz -23.605 dBm N 1 f 1.844 175 GHz -55.666 dBm			N 1 f 1.910 000 GHz -22.992 dBm N 1 f 1.912 645 GHz -58.052 dBm		Propert
		6 6 7 8 9 9			N
		1 of 2 11 12		STATUS	1
6	STATUS	MSG		SIAIUS	
Lowest Band Edge	e / Full RB		Highest Band I	Edge / Full RB	
PNO: East Trig: Free Run Avg Hold:	> 100/100 TYPE & & WWWWW	Trace/Det Mark	Spectrum Analyzer - Swept SA Spectrum Analyzer - Swept SA PF 50.9 AC Specentril eer 1 1.910000000000 GHz Trig: Free Run Trig: Free Run	ALISHAUTO 10:16:47 FMApr 07, 2016 Avg Type: RMS TRAS 10:3 # 5 5 AvgHold:>100/100 Tran 6 & 6 & 6	Trace/Det
L IP 30.9 A/2 S90.2 MI Artker 1 1.8500000000000 GHz Trig: Free Run Avg Type ASS IFG init. ew Anter: 30 dB Avg Hold: Ref Offset 8: dB 28.0 dBm Avg Avg	TRACE 1 2 3 4 5 6	Trace/Det Mark Select Trace	Ref Offset 88 dB	Avg Type: RMS TRACE 1 2 3 4 5 6	
Image: second	KMS TRACE 1 3 4 5 6 >100/100 TYPE A A WAWAWA LET A A A A A A Mkr1 1.850 000 GHz	Trace/Det Mark Select Trace, 2 Clear Write 880	Ref Offset 88 dB	Avg Type: RMS Avg Hoid>100/100 Mkr1 1.910 000 GHz	Select Tra
Image: second	E RMS 100100 Mkr1 1.850 000 GHz -34.490 dBm	Trace/Det Mark	Image: Property and the second seco	Avg Type: RMS Avglieles tooloo Mkr1 1.910 000 GHz -33.859 dBm	Select Tra Clear W
Image: Sec: Sec: Sec: Sec: Sec: Sec: Sec: Se	E RMS TRACE [23550 200100 2014 AAAAA Mkr1 1.850 000 GHz -34.490 dBm	Trace/Det Mart Select Trace, 2 Clear Write Trace Average 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Image: Property and the second seco	Avg Type: RMS Avg Hoid>100/100 Mkr1 1.910 000 GHz	Select Tra Clear W Trace Aver
the second	E MS 100/000 THE AAAAAA Mkr1 1.850 000 GHz -34,490 dBm Span 25.00 MHz	Trace/Det Mar Select Trace, 2 Clear Write 10 dB Trace Average 412 Max Hold 612	w 100 e AC Insection S P00 Fact Trig: Free Run IF central Trig: Free Run If central R P00 Fact Trig: Free Run If central Trig: Free Run If central Trace 1 Pass P00 Fact P00 Fact er 1.990700 GHz P00 Fact P00 Fact	Avg Type: FMS Avglivide: 10000 Mkr1 1.910 000 GHz -33.859 dBm	Select Tra Clear W Trace Aver
Avg Type	₩MS 1144 194 35 1 100000 Hkr1 1.850 000 GHz -34,490 dBm	TraceDet Mark Select Trace, 2 Clear Write 689 Trace Average 712 Max Hold 612 Min Hold 612	w 100 e AC 1000000000000000000000000000000000000	Avg Type: IMS Avglisies toorioo Terror State Mkr1 1.910 000 GHz -33.859 dBm	Select Tra Clear W
L Image: Constraint of the second secon	E MS 100/000 THE A 4 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Trace/Det Martin Select Trace, 2 Clear Write Trace Average Max Hold Min Hold	w 100 e AC Sector s 11.050000000000000000000000000000000000	Avg Type: RMS Avglieles: 100100 Mkr1 1.910 000 GHz -33.859 dBm 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Select Tra Clear W Trace Ave

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LTE band 2

Lowest Band Edge / 1 I	RB	Highest Band Edge / 1 RB	
Avg Type: RMS ASS PNO: Fast IFGaind.ew #Atten: 30 dB	320 MAAr 07, 2016 TRACE 123 24 5 6 Trace/Det Trace/Det Select Trace,	PASS PN0: Fast Trig: Free Run AvgIVple: RNIS Trig: A A A A A A Sele	ace/Det ect Trac
Ref Offset 9.8 dB Mkr1 1.850 0 dB/div -24 0 80 Trace 1 Pass	0 000 GHz 2 4.507 dBm Clear Write	Ref Offset 8.8 dB Mkr1 1.910 000 GHz 10 dB/dtv Ref 28.80 dBm -29.123 dBm 108 Trace 1 Pass 0	Clear Wr
			e Avera
	Max Hold	612 Center 1.90700 GHz TRDe EM 150 LHz TRDE EM 150 LHz Swaap, 1.40 mc 2000 Hz	Max H
		Dark Packet Indig Sci X Function Function water N f 1.910.000 GHz -27.374 dBm Function water 2 N f 1.912.645 GHz -58.495 dBm	Min H
	View/Blank Trace On		ew/Blai Trace (
	More 1 of 3	9 10 11 11 12	M
G STATUS			
Lowest Band Edge / Full	IRB	Highest Band Edge / Full RB	
/	IRB	Highest Band Edge / Full RB	
Mint Spectrum Analyzer Swept 54 Stress Print A13246/10 1011 # 100 & K Stress Print A13246/10 1011 # 100 & K Trigs Free Run Avg Type: RMS ASS FRG.Fast0 Trigs Free Run AvgType: RMS	250 PMA(2' 07, 2016) TRACE 120 2 4 5 6 PYFE A WWAYS CE(A A A A A A Select Trace	Highest Band Edge / Full RB	ace/Det ect Trac
Num Spectrum Analyzer Swept 54. 92062.001 4127210/100 10212 arker 11.850000000000 FHz; ASS Trig: Free Run HFG.tax1ew Strig: Free Run Atten: 30 dB ArgiHeids-100/100 10212 Ref Offset 8.8 dB Mkr1 1.850 3400 -3600 -3600	250 PMA(2' 07, 2016) TRACE 120 2 4 5 6 PYFE A WWAYS CE(A A A A A A Select Trace	Highest Band Edge / Full RB Address Section	ect Tra
New Sysectrum Analyzer Swept SA SWEE Srift ALSTANTO ISS ID arker 11 185 000 CH2 Trig Free Ran Avg Type RMS	2500#4pr07.2016 Trace/Det Trace/Det Et A A A A A Select Trace 2 0000 GHz	Highest Band Edge / Full RB Address Spectrum Analyzer / Swept SM Address / Full RB Address Spectrum Analyzer / Swept SM Spectrum Analyzer / Swept SM Address Spectrum Analyzer / Swept SM Spectrum Analyzer / Swept SM Marker 1 1.91000000000000 GHZ Trig: Free Run Arg Type: RMS PASS Ref Offset 8.8 dB Merit 18.9 dB Merit 1.910 000000 GHZ Tot Gildow Ref Offset 8.8 dB Collision Ref offset 8.8 dB Tot Gildow Ref offset 8.9 dB Tot Gildow Trig: Tries Rin 35.832 dBm Tot Gildow Tries Tot Sector Tot Gildow Ref Offset 8.8 dB Tot Gildow Tries Tot Sector Tot Gildow Tot Sector	ect Tra
Name Sectore Autory Sectore Autory Dot Dot Image: Sectore Sectore Sectore Autory Sectore Autory Iooz Iooz Iooz Autory Iooz Iooz Iooz Iooz Autory Iooz Iooz <td< td=""><td>TraceIDet TreelDet TreelDet TreelDet Solor GHz 2</td><td>Addred Spectrum Andyrer: Swept M SPECED III COLSPAN: DISL/DOCHARCO, 2016 Marker 11 19100000000000000000000000000000000</td><td>ect Trae</td></td<>	TraceIDet TreelDet TreelDet TreelDet Solor GHz 2	Addred Spectrum Andyrer: Swept M SPECED III COLSPAN: DISL/DOCHARCO, 2016 Marker 11 19100000000000000000000000000000000	ect Trae
Non-State Sector AltState Isstate Alter 1 1.8500000000000 CHz Trig: Free Run Avg Type: RMS AvgType: RMS ASS FRIO: Fast Trig: Free Run AvgType: RMS AvgType: RMS ASS Ref Offset 8.8 dB Mkr11.855 -36 CB/Sdv Trig: Free Run -36 CB/Sd	250 MAAY 07,2016 TraceIDet TraceIDet TraceIDet TraceIDet TraceIDet TraceIDet Select Trace 2 0000 GHz 2 Clear Write	Highest Band Edge / Full RB Addres Spectrum Matyrer / Swept M # 1.1 # 0002 mic # 1.1 1000000000000000000000000000000000000	
Market 11.8500000000000 CHZ Yie, Free Run Augusto Not Type: RMS Accord 11.8500000000000000000000000000000000000	Clear Write 000 GHAr 07,000 Clear Write Trace Average Max Hold in 25,00 MHz Min Hold	Highest Band Edge / Full RB Added Spectrum Analyzer Sweet M Market 13000 Add (110000000 GHZ (11000000 GHZ (11000000 GHZ (110000000 GHZ (1100000000 GHZ (110000000 GHZ (1100000000 GHZ (1100000000 GHZ (110000000 GHZ (1100000000 GHZ (1100000000 GHZ (110000000 GHZ (1100000000 GHZ (1100000000 GHZ (1100000000 GHZ (1100000000 GHZ (1100000000 GHZ (11000000000 GHZ (11000000000000000 GHZ (11000000000 GHZ (11000000000 GHZ (1100000000000000000 GHZ (1100000000000000000000000000000000000	ect Trac Clear Wr
Mill Spectrum Andrear Swept SA Spectrum ALXIANTO ISS IS Triver 1.850000 GHZ Trive Free Run Arten 1.85000 Arten: 30 dB Martine Run Arghetick: 100100 MartineRun Arghetick: 100100 Martine Run Arghetick: 10	Clear Write 000 GHAr 07,000 Clear Write Trace Average Max Hold in 25,00 MHz Min Hold	Highest Band Edge / Full RB Adden Spectrum Andyor Swart M N Transform Andyor Swart M Marker 1 1.9100000000 GHz Trig Free Run Addres: 30 dB Altres: 30 dB PASS Marker 1 1.9100000000 GHZ History Trig Free Run Addres: 30 dB Mark 1.910000 GHZ Sele Ref Offset 8 ab 10 dB(My Ref Offset 8 ab Mkr 1.91000 GHZ Mkr 1.910 000 GHZ Sele 10 dB(My Ref Colspan="2">Ref Offset 8 ab Mkr 1.91000 GHZ Sele 10 dB(My Ref Colspan="2">Ref Offset 8 ab Mkr 1.91000 GHZ Sele 10 dB(My Ref 28.80 dBm Sele 10 dB(My Ref 28.80 dBm Colspan= 25.00 MHZ 10 dB(My Ref 28.80 dBm Colspan= 25.00 MHZ 10 dB(M) Sele Sele 10 dB(M) Ref Colspan="2">Sele 10 dB(M) Ref Colspan="2">Sele 10 dB(M) Ref 28.80 dBm 10 dB(M) Sele 10 dB(M) Sele 10 dB(M)	ect Trad Clear W :e Aven Max H

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