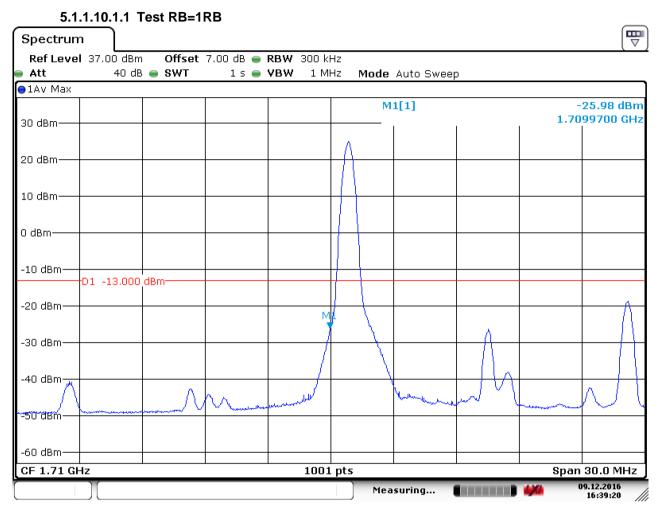


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5.1.1.10 Test Mode = LTE/TM2 15MHz

5.1.1.10.1 Test Channel = LCH



Date: 9.DEC.2016 16:39:20



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Spectrur	n									(₩
	l 37.00 dBm		: 7.00 dB 👄							
e Att	40 dE	B 😑 SWT	1 s 👄	VBW 1 MI	Hz N	1ode Au	ito Swee	р		
⊖1Av Max										
						M1[1	L]			26.46 dBm
30 dBm								1	1.70	99700 GHz
20 dBm										
20 0011										
10 dBm—					~		······			mannan
0 dBm										
										{
-10 dBm—										
-10 080	D1 -13.000	dBm	_							
										1
-20 dBm—				м	1					
					7					
-30 dBm—			a second and the second se							
-40 dBm—										
-50 dBm—										
-60 dBm—										
CF 1.71 G	I Hz	I		1001	pts				Span	30.0 MHz
(u					1.12	Maacoo	vina			9.12.2016
L I	Л					Measu	ring			16:37:58 //

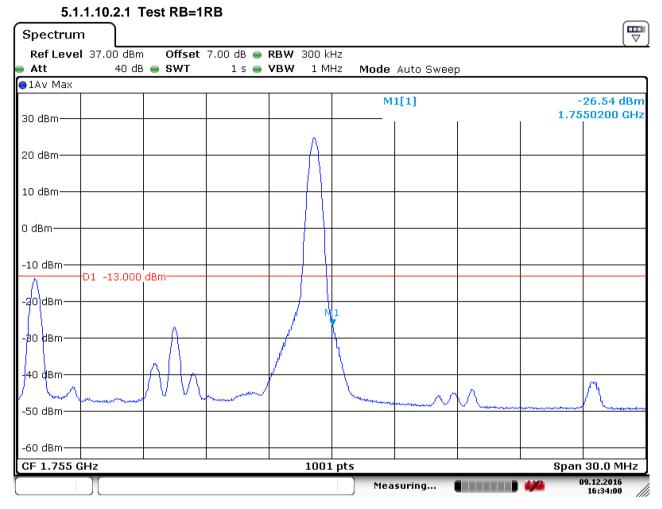
5.1.1.10.1.2 Test RB=75RB

Date: 9.DEC.2016 16:37:58



Report No.: SZEM161000916705 Page: 110 of 177

5.1.1.10.2 Test Channel = HCH



Date: 9.DEC.2016 16:34:01



Report No.: SZEM161000916705 Page: 111 of 177

Spectrum	,)								
	37.00 dBm		7.00 dB 😑	RBW 300 k	Hz				
Att 🖉	40 dB	SWT	1 s 👄	VBW 1 M	Hz Mode	Auto Swee	р		
⊖1Av Max									
30 dBm					M	1[1]	1		25.08 dBm 50200 GHz
20 dBm									
10 d8m		······							
0 dBm									
-10 dBm	D1 -13.000	dBm							
-20 dBm					1				
-30 dBm						-			
-40 dBm									
-50 dBm									
-60 dBm CF 1.755 G	<u>Ц</u> 2			1001	ntc				30.0 MHz
	Y			1001		asuring		-	9.12.2016 16:37:22

5.1.1.10.2.2 Test RB=75RB

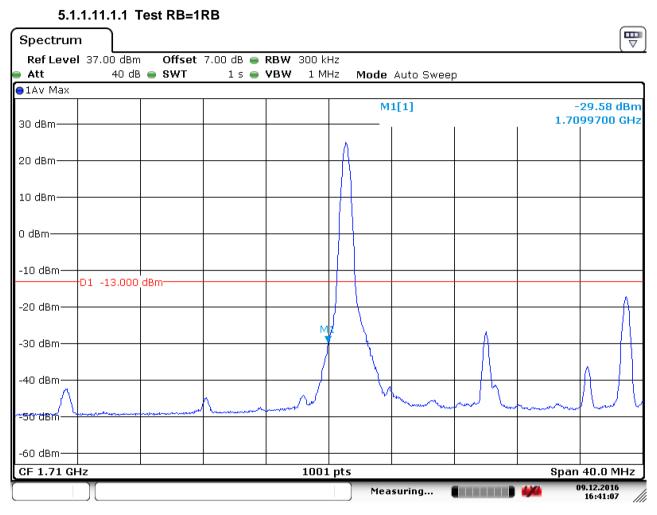
Date: 9.DEC.2016 16:37:22



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5.1.1.11 Test Mode = LTE/TM1 20MHz

5.1.1.11.1 Test Channel = LCH



Date: 9.DEC.2016 16:41:07



Report No.: SZEM161000916705 Page: 113 of 177

Spectrun	Γ									
	l 37.00 dBm		7.00 dB 👄	RBW 300 ki	Ηz					`
🗕 Att	40 dE	B 😑 SWT	1 s 👄	VBW 1 M	Ηz	Mode	Auto Swee	эр		
●1AV Max		-		_						
						M	1[1]			31.65 dBm
30 dBm							1		1.70	99700 GHz
20 dBm										
10 dBm						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				hand
0 dBm					+					
-10 dBm								_		
	D1 -13.000	dBm								
-20 dBm										
-20 übili										
				м	1					
-30 dBm—					P					4
		hann	manner							
-40 dBm	ware in the									
-50 dBm										
00 4011										
-60 dBm—										
CF 1.71 Gł	Ηz			1001	. pts	5				40.0 MHz
	T T					Mea	suring		🧰 (09.12.2016 16:40:32

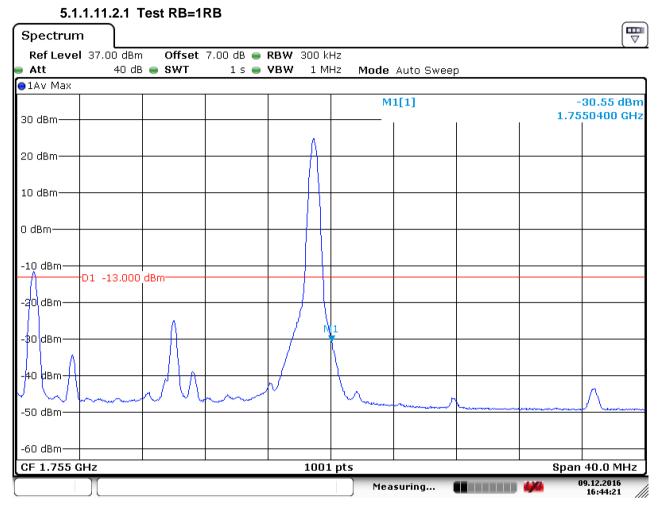
5.1.1.11.1.2 Test RB=100RB

Date: 9.DEC.2016 16:40:33



Report No.: SZEM161000916705 Page: 114 of 177

5.1.1.11.2 Test Channel = HCH



Date: 9.DEC.2016 16:44:22



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Spectrum	ι								
	37.00 dBm		7.00 dB 😑	RBW 300 k					<u>`</u>
🗕 Att	40 dE	B 🔵 SWT	1 s 👄	VBW 1 M	Hz Mode	Auto Sweep	1		
⊖1Av Max		-							
					M	1[1]			29.59 dBm
30 dBm						I I		1.75	50400 GHz
20 dBm									
10 dBm									
			+						
0 dBm									
-10 dBm									
	D1 -13.000	dBm							
-20 dBm									
/ -30 dBm—					1				
-30 ubiii					municipalities				
-40 dBm							and the second	and the second	
-40 uBIII									
-50 dBm									
-60 dBm—									
CF 1.755 G	Hz			1001	. pts				40.0 MHz
][Mea	suring		🧰 O	9.12.2016 16:44:50

5.1.1.11.2.2 Test RB=100RB

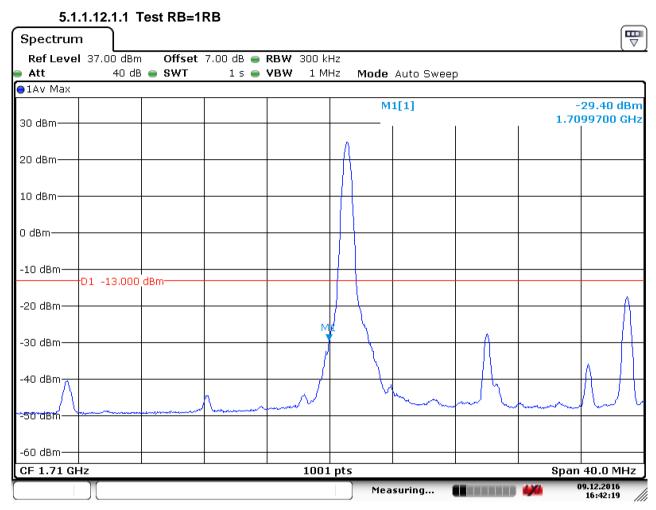
Date: 9.DEC.2016 16:44:50



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5.1.1.12 Test Mode = LTE/TM2 20MHz

5.1.1.12.1 Test Channel = LCH



Date: 9.DEC.2016 16:42:19



Report No.: SZEM161000916705 Page: 117 of 177

Spectrun	n								
Ref Leve	l 37.00 dBm	n Offset	: 7.00 dB 👄	RBW 300 kł	Ηz				
Att	40 dE	B 😑 SWT	1 s 👄	VBW 1 Mł	Hz Moo	le Auto Swi	еер		
●1Av Max									
30 dBm						M1[1]	1		28.99 dBm 99700 GHz
20 dBm									
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm—									
-30 dBm			- see and see and	M	1) /				L
-40 d8m									
-50 dBm									
-60 dBm									
CF 1.71 Gł	Hz			1001	pts			-	40.0 MHz
] M	leasuring		4/4)9.12.2016 16:40:03

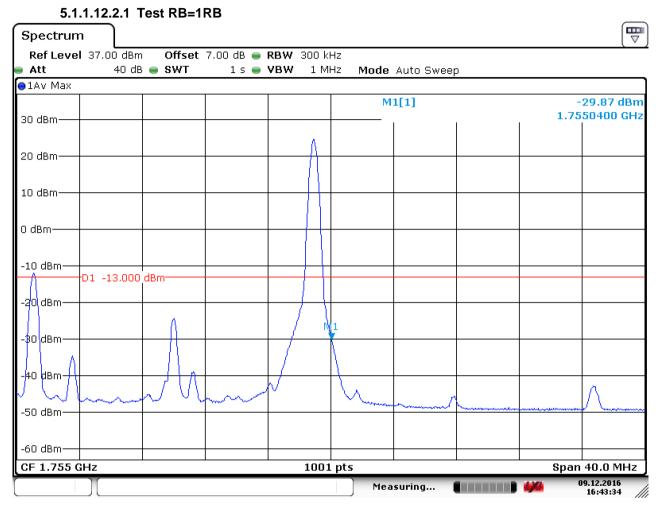
5.1.1.12.1.2 Test RB=100RB

Date: 9.DEC.2016 16:40:03



Report No.: SZEM161000916705 Page: 118 of 177

5.1.1.12.2 Test Channel = HCH



Date: 9.DEC.2016 16:43:34



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Spectrun	n								
	l 37.00 dBn		: 7.00 dB 👄						
🗕 Att	40 di	B 👄 SWT	1 s 👄	VBW 1 M	Hz Mode	Auto Swee	р		
●1Av Max					-				
					M	1[1]			27.18 dBm
30 dBm									
20 dBm									
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000) dBm							
-20 dBm—									
7				6	1				
-30 dBm—									
-40 dBm—									
-50 dBm—									
-60 dBm—									
-00 dBiii CF 1.755 (CH7			1001	Ints			 Qnan	40.0 MHz
				1001					09.12.2016
L I	Л				Mea	asuring			16:45:14

5.1.1.12.2.2 Test RB=100RB

Date: 9.DEC.2016 16:45:14



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6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

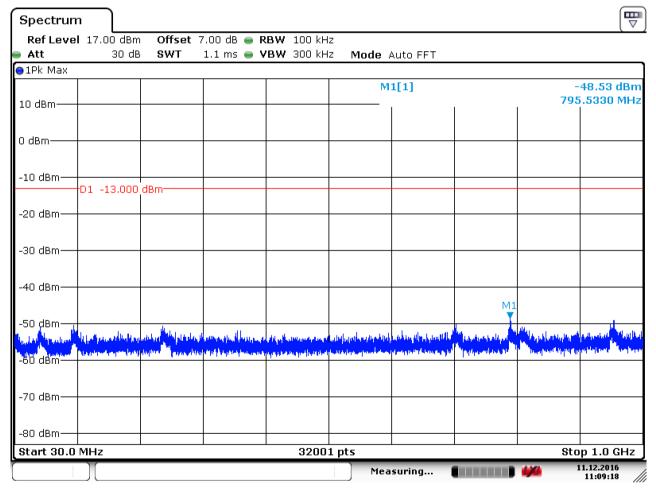
Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE band4

6.1.1.1 Test Mode = LTE / TM1 1.4MHz RB1#0

6.1.1.1.1 Test Channel = LCH



Date: 11.DEC.2016 11:09:18



Report No.: SZEM161000916705 Page: 121 of 177

Spectrur	n													
Ref Leve							RBW 1							
e Att		25 dB	SWT	32	2.1 ms	•	VBW 3	3 MHz	Mode A	uto Swee	p			
⊖1Pk Max														
									M	1[1]				31.37 dBm
10 dBm										1	I		5.1	30730 GHz
0 dBm——														
-10 dBm-														
	D1 -1	3.000 (dBm											
-20 dBm														
-30 dBm							N	41						
00 0011								Ĭ.						
-40 dBm-														
-40 abiii					in litin	ايرا اير م		ال بالد فعان	and a first state of the second	and all all all all all all all all all al				
A MARINA MARINA	a soular second	الدادوياول	di na di dani si di	Phot	and a second second	la hajard	Annual and	united and	Contract of the State of the St		HILL	والكلامي وكالأطع والم	والفاقير وروابقان	والمراجع والمراجع والمحافظ والمحافظ
Manda da Angela		Andrease	letter.								1000	Constantine and the second	والأباد المريبة الأسليل	and the Description of the
-60 dBm—														
-70 dBm—														
-80 dBm—														
Start 1.0	GHz							3200	1 pts					10.0 GHz
	Measuring 11.12.2016 11:29:37 ///													

Date: 11.DEC.2016 11:29:37



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Spectrun	n)								
	l 17.00 dBr		7.00 dB 👄 F						
Att	25 dI	B SWT :	32.1 ms 😑	/BW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max		1	1						
					M	1[1]			44.34 dBm 31720 GHz
10 dBm								19.9	
0 dBm									
-10 dBm									
	D1 -13.000) dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									M
المارين أتتعط الرأيس الرائين	والعربي والمعادية	de philipping a statement of the stateme	A Description of the state	al a constitue a formale	the public of the	december of the states		الناني (إحماد المرابي المكاني الناني (إحماد المرابي المكاني	A DEPENDENCE IN
phillips and sub-the south the	and the second state of th	f parter al filment for	Wenter and the first of the second second	and the second	a an	All and a second se	han an haar an an traile.	i ana kana kana kana ana sa	Relation of the local
-60 dBm									
-70 dBm—									
-80 dBm—									
Start 10.0	GHz			3200	1 pts				20.0 GHz
					Mea	suring		444	11.12.2016 11:31:44

Date: 11.DEC.2016 11:31:45



Report No.: SZEM161000916705 Page: 123 of 177

Spectrun	1)								
Ref Leve	l 17.00 de	m Offset	7.00 dB 😑 F	RBW 100 kH	lz				`
e Att	30 (dB SWT	1.1 ms 👄	/BW 300 kH	lz Mode /	Auto FFT			
⊖1Pk Max									
10 dBm					M	1[1] 			•49.62 dBm F.5990 MHz
0 dBm									
-10 dBm	D1 -13.00	10_dBm							
-20 dBm									
-30 dBm									
-40 dBm								M1	
-50 dBm— untralanna	lapapi di pangal	ta and the above	a, da bili glatadish guna Mi filomo na di Ponegori	ارون میروند. مراجع میروند میروند میروند ا	uts, at pelot, site and and t	Ny faharaharaharaharaharaharaharaharaharaha	. A	T	
-60 dBm	lineatra a construction de la construcción de la construcción de la construcción de la construcción de la const	need noor - relating to a	a free resorts. Loonadina	an ann an Anna	t a dinana a ray dit	les and starting	edia ama p		
-70 dBm——									
-80 dBm—									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
					Mea	suring		444	11.12.2016 11:08:58

6.1.1.1.2 Test Channel = MCH

Date: 11.DEC.2016 11:08:58



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Spectrum				
RefLevel 17.00 dBm Att 25 dB	Offset 7.00 dB R SWT 32.1 ms V		Auto Sweep	
●1Pk Max			F	
10 dBm			M1[1]	-35.94 dBm 3.464380 GHz
0 dBm				
-10 dBm	18m			
-20 dBm-				
-30 dBm	M1			
-40 dBm-		المرابعة العربية بالمراجعة مطالبة في المراجع من عادين.		
a phase and a state of the stat		annon di baaripiaati tag ^{histori} dag	and the second s	ويستعمده والمعطان المالية المليس وتحليل ويتادا وتساحيهم
-60 dBm				a induces you want to provide the provide a state of a
-70 dBm				
-80 dBm		32001 pts		Stop 10.0 GHz
			Measuring 🚺	

Date: 11.DEC.2016 11:29:01



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Spectrun	ı)										
Ref Leve				7.00 dB 🧉							`
Att	25	5 dB S	WT 3	82.1 ms 🧉	▼BW ∶	3 MHZ	Mode Au	ito Sweep			
●1Pk Max								1[1]			44.50 Jp
10 dBm								1[1] 	1		44.59 dBm 21410 GHz
0 dBm											
-10 dBm	·D1 -13.(000 dBm									
-20 dBm—											
-30 dBm											
-40 dBm											M1
ويلقر إر التقنيباتين والقارين	ي و المحمد و		العلق رياله	ىر يەركە ئۇرىر	ر. مەربىرىلىكى	الدارين ال	and the production	dife, all from poor	the last of million	وأروار والمتحد والمراز الروال	And the Long
o presso pretente travelles	and the second	Interference and	and the second second	the state of the state	and the second second	Manager 18	¹ 4-0- ¹ 0-1-0 (e-carbo	ning and the second states	المحصي وحطاقين ال	a farlenne gleber på på som av dette	len, entrellen, etter
-60 dBm											
-70 dBm——											
-80 dBm											
Start 10.0	GHz					3200	1 pts				20.0 GHz
							Mea	suring		4/4	11.12.2016 11:31:24

Date: 11.DEC.2016 11:31:25



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Spectrun	n								
	l 17.00 dBm		7.00 dB 😑 F						
🗕 Att	30 dB	SWT	1.1 ms 👄	/BW 300 kH	z Mode .	Auto FFT			
●1Pk Max			_						
					M	1[1]			49.65 dBm
10 dBm							1	952	2.9720 MHz
0 dBm									
0.00									
-10 dBm—	D1 -13.000	dBm							
	10,000								
-20 dBm—									
-30 dBm									
-40 dBm									
-40 0811									
									M1
-50 dBm		al. Internet	ule state & lotted builters and		and a state	adar a	and a Milesteine		a la a tit di anti a
			a generation population of a				10 I I I I I I I I I I I I I I I I I I I	a shall name	Attended Supple
-60 dBm	The second second second		and the second s	dealer of the					
-70 dBm									
00 ID									
-80 dBm									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
[Д				Mea	suring		444	11.12.2016 11:08:21

6.1.1.1.3 Test Channel = HCH

Date: 11.DEC.2016 11:08:21



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Spectru	m	٦								
Ref Lev	el 17			7.00 dB 😑 I						
Att		25 dB	SWT	32.1 ms 😑 '	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max				1	1					
						M	1[1]			34.84 dBm 07690 GHz
10 dBm—									3.3	07090 GHZ
0 dBm										
-10 dBm-	-D1	-13.000	dBm							
-20 dBm—										
-30 dBm			M1							
-40 dBm-			Ĭ							
A REPORT FROM THE	La biene		ور العداد العالي		الروسانية (1996)، والإرم الروسية مارينية (1996)، والقرائل			وروب والمتعادية والمتعار	1	ինքներ հեշերերի
and the second second second	la possibilita	Alley and a first state of the	Line of the second s					a tidha ata a birkata ya da badak	and a state of the second strength of	and the second second
-60 dBm—										
-70 dBm—										
-80 dBm—										
Start 1.0	GHz				3200	1 pts			-	10.0 GHz
L						Mea	suring		4/4	11.12.2016 11:30:16

Date: 11.DEC.2016 11:30:16



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Spectrum	ı]								
Ref Level Att	l 17.00 dBr 25 d		7.00 dB 👄 F 32.1 ms 👄 V		Mode Au	uto Sweep			
⊖1Pk Max						•			
10 dBm					M	1[1]			42.42 dBm 82980 GHz
0 dBm									
-10 dBm	D1 -13.000) dBm							
-20 dBm									
-30 dBm									
-40 dBm			la	الفراري والمتحدين	(h) have the specific start of the second	اللغي والفالي واروم	المراد بادر الم	Minute of address bit and the	M1
	and the second	an a	ang ng paga an an ang pang an an Salat ang pang ang pang ang pang ang pang pan	(The second s	th idebian (ashard) is	and a second second second	lan an the second second	The many distribution of the	ALL
-60 dBm									
-70 dBm									
-80 dBm	CH2			3200	1 nts			Stor	20.0 GHz
				0200					1.12.2016
Ĺ					Mea	suring			11:31:01

Date: 11.DEC.2016 11:31:02



6.1.1.2 Test Mode = LTE / TM1 3MHz RB1#0

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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6.1.1.2.1 Test Channel = LCH ₩ Spectrum Offset 7.00 dB 👄 RBW 100 kHz Ref Level 17.00 dBm 1.1 ms 👄 **VBW** 300 kHz 30 dB SWT Att Mode Auto FFT ●1Pk Max M1[1] -49.31 dBm 954.0630 MHz 10 dBm-0 dBm--10 dBm-D1 -13.000 dBm -20 dBm--30 dBm--40 dBm[.] M1 -50 dBm بالالمانية المحمد بالأم **Appen** have stand by plater and a straight of the state of -60 dBm--70 dBm--80 dBm-Start 30.0 MHz 32001 pts Stop 1.0 GHz 11.12.2016 Measuring... 11:10:30

Date: 11.DEC.2016 11:10:31



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Spectru	m)											
Ref Lev	el 17.0						RBW 1		_				`
Att 1Pk Max		25 dB	SWT	3	32.1 ms		/BW 3	MHZ	Mode Au	uto Sweep			
									M	1[1]			31.46 dBm
10 dBm										-[-]	1		31010 GHz
0 dBm													
-10 dBm	-01 1	3.000	d0 m										
-20 dBm	01 -1	.3,000											
-30 dBm							M	11					
-40 dBm+-													
	الأم ومطلب وال	المريدي المريدي	a ta a la ta a sa la	1.Late	line de facili	- C		1.6.6.1	and a state of the		allahan saddan kan tara	an an an Islande	u destate de la companya de la comp
In provide the following of the	- Carlos and a start of	-	and a second	سيبط به							a la superior de la s	a na sana ang ang ang ang ang ang ang ang ang	distanting and state
-60 dBm—													
-70 dBm—													
-80 dBm—													
Start 1.0	GHz						3	3200	1 pts				0 10.0 GHz
L									Mea	suring		4/4	11.12.2016 11:27:31

Date: 11.DEC.2016 11:27:31



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Spectrum	ı]								
Ref Level Att	17.00 dBn 25 dB		7.00 dB 👄 🖡 32.1 ms 👄 🎙		Mode Au	uto Sweep			
😑 1Pk Max									
10 dBm					M	1[1]			44.47 dBm 57660 GHz
0 dBm									
-10 dBm	D1 -13.000) dBm							
-20 dBm									
-30 dBm—									
-40 dBm		الاست المراجع		h. J. parts could		المربي مسلفي ريمان	a duk av stora da	المرافعة المراجعة والمرافع	M M
an finns an finis and a shifts				Managara Malaya a Mala	in distance sing the	and a particular particular		the second desired and the	lason and the second
-60 dBm									
-70 dBm—									
-80 dBm	GHz			3200	1 pts			Stop	20.0 GHz
()[suring		-	11.12.2016 11:33:21

Date: 11.DEC.2016 11:33:22



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Spectrun	n]								∀
	l 17.00 dBn		7.00 dB 😑 R						
Att 1Pk Max	30 dE	B SWT	1.1 ms 👄 🎙	/BW 300 kH	z Mode /	Auto FFT			
UPK Max			[M	1[1]			49.26 dBm
10 dBm									6.0030 MHz
0 dBm									
-10 dBm—	D1 -13.000) dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									
-50 dBm	المرور والمحافظ والمحافظ والمحافظ المحافظ والمحافظ	d b have been the state		un., Januari Jal. 6	l kurun alla katan alla da iki da	a, leista alla, elasa, si, d	and a strategy of the	-	M1
-60 dBm	la		bilitebile biling a diserver				Leason gradation in		adalah ng Kabupatén ng Kabupatén Kabupatén ng Kabupatén
-70 dBm—									
-80 dBm									
Start 30.0	MHZ			3200					p 1.0 GHz
Į – – – –	Л				Mea	suring		4 /4	11:12.2016

6.1.1.2.2 Test Channel = MCH

Date: 11.DEC.2016 11:10:04



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Spectrum	
Ref Level 17.00 dBm Offset 7.00 dB 👄 RBW 1 MHz	`
● Att 25 dB SWT 32.1 ms ● VBW 3 MHz Mode Auto Sweep	
●1Pk Max	
	35.44 dBm 52690 GHz
10 dBm 3.46	2090 0112
O dBm	
-10 dBm	
D1 -13.000 dBm	
-20 dBm	-
-30 dBm	
M1	
-40 dBm-	
and the second	and the second second
	And the second state of the
-60 dBm	
-70 dBm	
-80 dBm	
Start 1.0 GHz 32001 pts Stop	10.0 GHz
	l.12.2016 11:26:59

Date: 11.DEC.2016 11:27:00



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Spectrum	ı]								
Ref Level e Att	l 17.00 dE 25		7.00 dB 👄 32.1 ms 👄		Mode At	uto Sweep			
⊖1Pk Max									
10 dBm					M	1[1]			44.49 dBm 22970 GHz
0 dBm									
-10 dBm	D1 -13.00)0 dBm							
-20 dBm——									
-30 dBm									
-40 dBm									M1
alman and an and the	and ^{deficienc} ience	and a local state of the second	and all and a base of the	had a she with a stall	Man Malaphanaka Man	here a start of the second	the endered ball	فالحرجة احتازه والطالا	and the state of the
-60 dBm	the b ^{allow} H _{experies}		The lage of the local data of the line of		and a fit state and a second	and the second secon		an a	r felen verster felen ster
-70 dBm——									
-80 dBm									
Start 10.0	GHz			3200	1 pts				20.0 GHz
					Mea	suring		4/4	11.12.2016 11:32:32

Date: 11.DEC.2016 11:32:32



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Spectrun	n								
	l 17.00 dBm		7.00 dB 😑 R						`
Att	30 dB	SWT	1.1 ms 😑 🛛	' BW 300 kH	z Mode /	Auto FFT			
⊖1Pk Max	1		T						
10 dBm					M	1[1]			48.58 dBm 9.6070 MHz
10 00111									
0 dBm									
-10 dBm—									
	D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
40 dB									
-40 dBm—									M1
-50 dBm—-									T
total mala	والمراجع والمتلكل والم	and the state	And the second state of	ul	A characteristic streated	teles, attalenas	Shand dated in	and the trans	a lan lana
-60 dBm	Sugar Augure	phone line points	a fan te tre te state de seren	have a specific the second	and westing at the state of the	an testing the	¹⁴ Designation and	¹ Heyddillan hynefydd	and a strategy of the strategy
-70 dBm—									
-80 dBm									
Start 30.0	MHz			3200	1 pts	·		Sto	p 1.0 GHz
					Mea	suring		4/4	11.12.2016 11:09:41

6.1.1.2.3 Test Channel = HCH

Date: 11.DEC.2016 11:09:41



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Spectru	Im								
Ref Lev e Att	el :	17.00 dBm 25 dB		7.00 dB 👄 🖡 32.1 ms 👄 🕅		Mode Au	uto Sweep		
😑 1Pk Max							F		
10 dBm—						M	1[1]		33.93 dBm 04870 GHz
0 dBm—									
-10 dBm—	D	1 -13.000	dBm						
-20 dBm—									
-30 dBm-			Mi						
-40 dBm-			المراجع المراجع المراجع	ومناطعه فالغوم المتعر		ال ^{الار} ان العلاقية. مراجع الم			
and a state of a large		ال (1996)، وي (1996)، أو 1996 1996 - معالم من المحمد بالمحمد	and the second secon	and the second statistics on the second states	and a second	a-ph.		and a state by paralle	 and the galaxies are
-60 dBm—								a da de parte de la constitución de	
-70 dBm—									
-80 dBm— Start 1.0					2200	1 ntc			 0 10.0 GHz
	GH	2			3200		suring		 10.0 GHZ
L		Л				Mea	isuriliy		11:28:09 //

Date: 11.DEC.2016 11:28:10



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Spectrum	ι								
Ref Level	l 17.00 dB 25 c		7.00 dB 👄 F 32.1 ms 👄 V			uto Sweep			
• Htt • 1Pk Max	20 0	o oni	52,1 m5 🕌 1		MOUE AU	10 30666			
10 dBm					M	1[1] 			44.50 dBm 69530 GHz
0 dBm									
-10 dBm	D1 -13.00	0 dBm							
-20 dBm									
-30 dBm									
-40 dBm									M
and defendence	and the supplies	and the state of the state	البقاريرية ألطميني	A CONTRACTOR OF A CONTRACT	halah litan lanan sinin Minini tana sama sining	and public many distri	ha da landa saala	hange bissinger and	dependent of the
-60 dBm	an a	all the second	an de la constante de la constant d	Shennen in Sheku		and a second			, etchenge, redu
-70 dBm									
-80 dBm									
Start 10.0	GHz		1	3200	1 pts	1		l Stop	20.0 GHz
][]				Mea	suring		4/4 1	11.12.2016 11:32:10

Date: 11.DEC.2016 11:32:10



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	6.1.1.3.1	Test Cha	nnel = LCI	H					
Spectru	m								₽
Ref Leve	el 17.00 dBm	n Offset	7.00 dB 🔵 R	BW 100 kH	z				
🖷 Att	30 dE	B SWT	1.1 ms 😑 🖌	/BW 300 kH	z Mode /	Auto FFT			
⊖1Pk Max									
					M	1[1]			49.39 dBm
10 dBm—						I	I	812	.5080 MHz
0 dBm									
-10 dBm—									
	D1 -13.000	dBm							
-20 dBm—									
20 0011									
-30 dBm—									
-30 ubiii-									
40.10									
-40 dBm—									
							Г	11	
-50 dBm—		i i i i i i i i i i i i i i i i i i i	hand and and allowed		al. a su a		Control Athletic States	A strange and a start	and the second
	All the second s		alerangen para segeraran ing Landar para segeraran bahar					and the second second second	
-80 dBm							1		
-70 dBm—									
-80 dBm—									
Start 30.0	0 MHz	<u> </u>	1	3200	1 pts	I		Sto	p 1.0 GHz
][) Mea	suring (444	1.12.2016 11:10:49 //

6.1.1.3 Test Mode = LTE / TM1 5MHz RB1#0

Date: 11.DEC.2016 11:10:50



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Spectru	ım											
	/el	17.00 dBm					BW 1 MHz					
Att		25 dB	SWT	32	2.1 ms	• V	BW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Ma>	< 		1									
								M	1[1]			31.54 dBm 31290 GHz
10 dBm—										1		
0 dBm—				+								
-10 dBm-												
		1 -13.000	dBm									
-20 dBm-												
-30 dBm-							M1					
50 abiii							Ť					
40 40			l 1									
-40 dBm-						ah	and put a desire	والمطلوم والمتلكي والدريرية	a stand and the stand			
L	Lel.	أطعيانهم ورواحا بالبخا	and all shall be	di hiti	And the second se	an idear	an in statement of the state	and the second s	and a second at 1971	والمحادث والمسالية المسالية	a stance is a faithful	and the sector of solution of solutions
and the second second		Hard and the stand of the late	and the second								Laurantificant particulation	and the second second
-60 dBm-	-			-								
-70 dBm-	_			_								
-80 dBm-	_											
Start 1.0) GH	łz	1				3200	1 pts	1	1	Stop	10.0 GHz
		Υ							suring			11.12.2016
<u> </u>	1								-			11:25:44 //

Date: 11.DEC.2016 11:25:45



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Spectrum	ı]								
Ref Level Att	l 17.00 dB 25 (7.00 dB 👄 I 32.1 ms 👄 Y		Mode At	uto Sweep			
⊖1Pk Max									
10 dBm					M	1[1]			44.47 dBm 57660 GHz
0 dBm									
-10 dBm—	D1 -13.00	10 dBm							
-20 dBm									
-30 dBm									
-40 dBm——									M
يطول والأطليكي ووراني	and telestine of the	and the part of the second	and the start of the start of the	hap hat the sould		العربي يسالحها وحالتا	and All distances	al construction of the state of	اللي والإحمادي وما الارس
A many disc and the state of th	and the support	alay and been provided by the second s	han _{an a} an ta'n an an ta'n ta'n a'n ar a'n ta'n ta'n ta'n ta'n ta'n ta'n ta'n	a loo a la constante de la cons	in de la companya de La companya de la comp	and the particular states of the states of t	and the product of the large sector of the large sector of the large sector of the large sector of the large se	i hanna dhini mi na san bhr	
-60 dBm									
-70 dBm——									
-80 dBm—									
Start 10.0	GHz			3200	1 pts				20.0 GHz
					Mea	suring		444	11.12.2016 11:33:21

Date: 11.DEC.2016 11:33:22



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Spectrum											E
Ref Level	ι	dBm	Offset	7.00 dB 🧉	RBW	100 kH	7				(~
Att		30 dB	SWT	1.1 ms 🧉				Auto FFT			
●1Pk Max											
							M	1[1]		-	49.48 dBn
10 dBm								1	1	953	.8510 MH:
0 dBm											
-10 dBm			10								
	D1 -13	.000	dBm								
-20 dBm											
-30 dBm											
-40 dBm											
											M1
-50 dBm	h nakilia . K. Ia	بال يبني	and Malander	والمراجبة والمراجبة	t due la buie	adam Herristan	يغفرهم والمأورين والمرادين	وممل الله والمحمد والع	الليابية والمرابع	All and the design of the second	ورول المالي ومناطعتها ور
we de la sure	(palettabel)	an ta ang	anate Hinghare	and the below	den tra tra tra	and and an pro-	hoped lipstonepth	din pina ng Kilika katan Pina ng Katalakan Pina ng Katalakan	Completing and	1 Despection and	about hipson
-00 UBIII											
-70 dBm											
-70 ubiii											
-80 dBm											
Start 30.0	MHz			1	<u> </u>	3200	Lpts	1	1	Sto	p 1.0 GHz
ətart əv.U						3200.		asuring			1.12.2016 11:11:10

6.1.1.3.2 Test Channel = MCH

Date: 11.DEC.2016 11:11:11



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Spectrun	ı]											
Ref Leve					7.00 dB 👄 I			_				
e Att	2	5 dB	SWT	3	2.1 ms 🖷 🎙	уву з м	Hz	Mode Au	ito Sweep			
⊖1Pk Max						1	— T					
								IVI.	1[1]	-34.87 dBm 3.460720 GHz		
10 dBm										1	0.4	
0 dBm——												
-10 dBm	.											
	D1 -13	.000 aB	m									
-20 dBm-												
-30 dBm-			м	4								
			IM	ż.								
-40 dBm-												
					بالمتحسلين وبالبرو	MIL REALIZED A	للارون	a da antida da la castana				
and the state of the	and the state of the	الحد أبالهما ال	a ann a sha	an an A	ner en	and the second second			Link.	والمستري المرجعة والمسالين	a Lunana and an an	والبراه ومراجع وأنقا
Plant Restriction of the										and the second	sound have a standard by	and the second second
-60 dBm												
-00 UBIII												
-70 dBm—												
-80 dBm—												
Start 1.0 C	Hz					32	001	1 pts				10.0 GHz
								Mea	suring		- 44	11.12.2016 11:25:07

Date: 11.DEC.2016 11:25:07



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Spectrum	ι								
Ref Level	l 17.00 dE		7.00 dB 👄 I 32.1 ms 👄 '			ita Cuisan			· · · · ·
• Att	23		52.1 IIIS 👹 '		MOUE AU	uto Sweep			
10 dBm					M	1[1] 			44.44 dBm 58600 GHz
0 dBm									
-10 dBm—	D1 -13.00)0_dBm							
-20 dBm—									
-30 dBm									
-40 dBm									м
and a state of the	and the second	محتو بالمالين فالمريط أتريا لمعن	te Laboration parti	A STATE OF THE OWNER	^{lan} dir manadan pana An	الارورية والعالية ومن والع من	and the parts of	والمري الحيادي المت	اليور والعلي والع المان
-60 dBm	in a statistical and a state of the state of	alan ay kanalar da ay		(the proof of the second of t	in the second			a titi bahaya mining kang da pang mining kang da pang d	
-70 dBm									
-80 dBm	GHz			3200	1 nts			Ston	20.0 GHz
	Υ			0200		suring			1.12.2016
						-			11:33:41

Date: 11.DEC.2016 11:33:41



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Spectrun	n]								
	l 17.00 dBm		7.00 dB 👄 R						`
Att 1Pk Max	30 dE	SWT	1.1 ms 🥃 V	' BW 300 KH	z Mode /	Auto FFT			
10 dBm					М	1[1]			49.02 dBm).1450 MHz
0 dBm									
-10 dBm—	-D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									
-50 dBm—-						M		Lu 1	
-60 dBm	ingente adalette fo Tagennikovitionen	atilian ^{Milli} landariy Milandariy	epiteli politi i di politica prostelari, esta contra da contra	n daa sa dhila dhila dhila ah bar An ay marina dan ay marina dhar	anangan sepakalaal. Gaberre periodokala	n oo an di kasalah padal Nahiti kasalah padalah pada	te Agendited Deterministi		Alexandra Alexandra Alexandra Alexandra
-00 0611									
-70 dBm—									
-80 dBm—									
Start 30.0	MHz		-	3200	1 pts	-		Sto	p 1.0 GHz
() Mea	suring		4/4	11.12.2016 11:11:29

6.1.1.3.3 Test Channel = HCH

Date: 11.DEC.2016 11:11:29



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Spectrum				
Ref Level 17.00 dBm Att 25 dB	Offset 7.00 dB 👄 R SWT 32.1 ms 👄 V		uto Sweep	
🔵 1Pk Max				
10 dBm		M	1[1]	-34.63 dBm 3.500660 GHz
0 dBm				
-10 dBm	dBm			
-20 dBm-				
-30 dBm-	M1			
-40 dBm-	والعاملين المراجع والمراجع والعاملين	a produktivne star star star star star star star star		
and the second sec	and the second	and the last damage of the state of the stat	Magazine for a little of the	مأروان خالفن ومانية تتلبع أردائه وأورار والقلق ومرارع
-60 dBm				na pyszakowe piłko żeślika z ^{małko} dki pierze bodowe zakr
-70 dBm				
-80 dBm		32001 pts		Stop 10.0 GHz
[][suring	11.12.2016 11:26:26

Date: 11.DEC.2016 11:26:26



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Spectrum	ı)								
Ref Level Att	l 17.00 dBr 25 d		7.00 dB 👄 I 32.1 ms 👄 '		Mode At	uto Sweep			
⊖1Pk Max									
10 dBm					M	1[1]			43.19 dBm 54530 GHz
0 dBm									
-10 dBm	D1 -13.00(D_dBm							
-20 dBm									
-30 dBm									
-40 dBm				a ar		ante e a tilate e te alter	المربقين المربسا	la en anticipa del la constan	P.4
And the second s	Part of the second		and the state of t	Manager and Property of the	the other systems the		Department of the	and the second	Manager Provident
-60 dBm									
-70 dBm——									
-80 dBm	011-				1 ntc			0+	
Start 10.0	GHZ			3200					20.0 GHz
L					Mea	suring		4/4	11.12.2016 11:34:08

Date: 11.DEC.2016 11:34:08



Test Mode = LTE / TM1 10MHz RB1#0

6.1.1.4

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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6.1.1.4.1 Test Channel = LCH ₩ Spectrum Offset 7.00 dB 👄 RBW 100 kHz Ref Level 17.00 dBm 1.1 ms 👄 **VBW** 300 kHz 30 dB SWT Att Mode Auto FFT ●1Pk Max M1[1] -49.64 dBm 815.0840 MHz 10 dBm-0 dBm--10 dBm-D1 -13.000 dBm -20 dBm--30 dBm--40 dBm[.] -50 dBm وأعبار لأخذ والمطبوط ال -60 dBm -70 dBm--80 dBm-Start 30.0 MHz 32001 pts Stop 1.0 GHz 11.12.2016 Measuring... 11:12:36

Date: 11.DEC.2016 11:12:35



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Spectru	um									[₩
Ref Le [.] Att	vel	17.00 dBm 25 dB		7.00 dB 👄 I 32.1 ms 👄 Y			uto Sweep			
●1Pk Ma	x			_						
10 dBm—						M	1[1]			31.54 dBm 31860 GHz
0 dBm—										
-10 dBm-		01 -13.000	dBm							
-20 dBm-										
-30 dBm-	+				M1					
-40 dBm-						ىرى مەربىلىكە ئەربىلىكە يەربىلىكە يەربى	ر. مادانا را ام ورا			
المرابطة والمراجع	1	ina di da angla	Along a Lett below by				and the state of the second	والتلاريل والتراو وال	ويرقبه والمعرفين والمترجع	والمغاني ويعامر والمغالة
teast a lease lease le		المقابلة ومحور ومنطقهم								and the second se
-60 dBm-										
-70 dBm-										
-80 dBm- Start 1.(3200	1 ptc				10.0 GHz
	u ur	12 Υ			3200		isuring			1.12.2016
L							isaring			11:23:45 //

Date: 11.DEC.2016 11:23:45



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Spectrum	ı]								
Ref Level Att	17.00 dBn 25 df		7.00 dB 👄 F 32.1 ms 👄 V		Mode Au	uto Sweep			
⊖1Pk Max						•			
10 dBm					M	1[1]			44.06 dBm 74530 GHz
0 dBm									
-10 dBm	D1 -13.000) dBm							
-20 dBm									
-30 dBm									
-40 dBm			a	h have been street as deally	الماري المراجعة المراجع	L sel, ar y tillit tar, synasia	. L1 128 A 17 1	اللار معرفة وريالا	IVI ak an utable at the
Colorador a constraint de la constraint de		Constant States	nagarga na nagar na	Stranger of Physics Provident	North from produced with	and the second	for a first state of the	and a straining star	Transfer Strategy and
-60 dBm									
-70 dBm——									
-80 dBm	011-3			2200	1 ntc			Pton	
Start 10.0	GHZ			3200					20.0 GHz
					Mea	suring		474	11:35:13

Date: 11.DEC.2016 11:35:13



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Spectrun	n								
Ref Leve Att	l 17.00 dBm 30 dE		7.00 dB 👄 R 1.1 ms 👄 V			Auto FFT			
🔵 1Pk Max									
					M	1[1]			49.25 dBm
10 dBm								792	.8660 MHz
0 dBm——									
-10 dBm									
	D1 -13.000	dBm							
-20 dBm—									
-30 dBm									
-40 dBm									
-50 dBm		411					M1	h	
Inter Harris	a depts as depts with		and the last transp				the party ball	a differential stati	and and an a stand a stand
-60 dBm	Legelanjkovitela po	halandar (balankarika	<mark>a hara baka Kons Tahan dar</mark>	tanana karijajiriteterikiji.	kan, kasan angara kada bi	nda habila dabila dabi	hood philosophyses	a - Anal a la salangan	nadahatan Septima
-70 dBm—									
-80 dBm									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
[Л				Mea	suring (444	1.12.2016 11:12:12

6.1.1.4.2 Test Channel = MCH

Date: 11.DEC.2016 11:12:13



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Spectru	Jm	J										
Ref Lev Att	vel	17.00 dBm 25 dB			7.00 dB 👄 🛿 32.1 ms 👄 🎙			Mode A	uto Sweep			
IPk Max	×	20 40						mode At				
10 dBm—								M	1[1] 			35.23 dBm 56500 GHz
0 dBm—												
-10 dBm-		01 -13.000	dBm									
-20 dBm-												
-30 dBm-	+		M	11								
-40 dBm-	$\left \right $				و الاستان التي التي التي التي التي التي التي التي	an an an haire			s fut data data			
والرجاء المتعاوي والع	երի	and the last of		in de la com	an de des production de la constituie de	Lucia and the second		A REAL PROPERTY OF THE REAL PR		والمتع أدار الحاميدي أرما ور	and the state of the second	والمعري وحادر وبالأراسان
-60 dBm-	_								- 1,			
-70 dBm-												
-80 dBm-												
Start 1.(J GP	זב אר				3:	200	1 pts	suring		-	10.0 GHz
L									surniy			11:22:57

Date: 11.DEC.2016 11:22:57



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Spectrun	n								
	l 17.00 dBn		7.00 dB 👄 F		_				
Att	25 di	B SWT	32.1 ms 🛑 🕻	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max	1								
					IVI	1[1]			44.08 dBm 47970 GHz
10 dBm——									
0 dBm									
-10 dBm	D1 -13.000								
	DI -13.000								
-20 dBm—									
-30 dBm									
-40 dBm—									ī <u>v</u> ī.
المعمدين والمرور والمرور	العرابين والمطالبة والمعار	and the second	ور المعالية المعالية الم	Construction of the state	المقررة ومرورية الأقصي	adar, and a carbo	فالفعارهم ومقسمان وال	أرجاني ورحافظ بالاور مخط	and a strategy of the second second
and a second	and the second	and the state of the	All the state of the	All and a state of the second	Material and the second states of the second se	disa na ^{dis} tra na dia mandala	Anti-Bargadiseaselite	and the set of the second second	- and the second second
-60 dBm									
-70 dBm—									
-80 dBm				0000	1			Dt	
Start 10.0	GHZ			3200					20.0 GHz
					Mea	suring		4/4	11.12.2016 11:34:55

Date: 11.DEC.2016 11:34:55



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Spectrun	n]								□	
	l 17.00 dBm		7.00 dB 👄 R							
Att 1Pk Max	30 dE	B SWT	1.1 ms 🥃 V	/BW 300 KH	Iz Mode /	Auto FFT				
10 dBm					М	1[1]		-50.06 dBn 952.0930 MH:		
0 dBm										
-10 dBm—	D1 -13.000	dBm								
-20 dBm—										
-30 dBm—										
-40 dBm—										
-50 dBm	hales, the neutrality of	and a state of the second	tananaka ana da at		ياري أمريا الأرب بالقرير في	ululation	Labolia states	All a las have been a sub-	M1	
-60 dBm	Sectory Strateg	delande de la desta de la pro- reserva de la delande de la	n (na heiste sin die been verste seen v		no og konstanteger filler og konstante	alaman an a	and the second sec	in an		
-70 dBm—										
-80 dBm—										
Start 30.0	MHz			3200	1 pts				p 1.0 GHz	
[Д				Mea	suring		444	11.12.2016 11:11:51	

6.1.1.4.3 Test Channel = HCH

Date: 11.DEC.2016 11:11:51



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Spectrum				
Ref Level 17.00 dBm ■ Att 25 dB	Offset 7.00 dB		uto Sweep	
1Pk Max	011 02.1110 • 1	Indue A		
10 dBm		M	1[1]	-35.26 dBm 3.491090 GHz
0 dBm				
-10 dBm	dBm			
-20 dBm-				
-30 dBm-	M1			
-40 dBm				
Hardware and the state of the barrier	en frankrigen anges in state frankrigen fra frankrigen fra frankrigen fr	hand and a first starting and a starting of the start of	the state of the state	a hand a second state of the second state
-60 dBm				
-70 dBm				
-80 dBm		32001 pts		Stop 10.0 GHz
			suring	11.12.2016 11:24:26

Date: 11.DEC.2016 11:24:27



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Spectrum	ı]								
Ref Level Att	17.00 dBr 25 dl		7.00 dB 👄 32.1 ms 👄 🎙		Mode A	uto Sweep			
●1Pk Max									
10 dBm					M	1[1]			43.81 dBm 65470 GHz
0 dBm									
-10 dBm	D1 -13.000) dBm							
-20 dBm—									
-30 dBm									
-40 dBm	1 1.8 44			المراجع والمحمد والمحمد	and the second second second	الماهور ومعاملهم والمعام	un durik,		M.
and a first state of the state			te transmitte for a parent Te transmitte for a parent		linetellek er ser galis			ha husia pitera acht	helper an and the same
-60 dBm—									
-70 dBm——									
-80 dBm	GHz			3200	1 pts			Stop	20.0 GHz
][Mea	suring		4/4 1	11.12.2016 11:34:35

Date: 11.DEC.2016 11:34:36



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6.1.1.5 Test Mode = LTE / TM1 15MHz RB1#0

Spectrum	<u> </u>								
	17.00 dBm		7.00 dB 🥌 R						
Att 1Pk Max	30 dB	SWT	1.1 ms 🥃 V	'BW 300 KH	z Mode /	Auto FFT			
10 dBm					M	1[1]			49.80 dBm 2.6690 MHz
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm									
-30 dBm									
-40 dBm									
-50 dBm	landa ya sa ƙƙalar Is		anaharing Hangal					and a state of the state of the	M1
-60 dBm	1941 Augusta Dise Datas	anda - transfeldari	n fan tea sea stalle tea sea sea sea sea sea sea sea sea sea s	ar f fan gewenne fan gewenne fan s	and Maria discontration of a	رامينية. وي يتوليا هواي المركز	. Lander Mathematica	The second se	
-70 dBm									
-80 dBm									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
	Д				Mea	suring		4/4	1.12.2016 11:13:34

6.1.1.5.1 Test Channel = LCH

Date: 11.DEC.2016 11:13:35



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Spectrum					
Ref Level 17.00 (
Att 25 1Pk Max	5dB SWT 32.1 ms 👄 '	VBW 3 MHz	Mode Auto Sweep		
			M1[1]		-31.18 dBm 132700 GHz
0 dBm					
-10 dBm-	000_dBm				
-20 dBm-					
-30 dBm-		M1			
-40 dBm		الار ومعالية والعادل ورور ول			
Apply and the state of the second state of the	A present of the second s			الم المحكمين في المحمد إن <mark>المترك المركبة المحمد الم عامية م</mark>	and the second states in the second states of the s
-60 dBm				an fak, samtifikan (hirakin gandala saya) Ukatifiki	
-70 dBm					
-80 dBm Start 1.0 GHz		32001	L pts	Stor	p 10.0 GHz
			Measuring		11.12.2016 11:21:25

Date: 11.DEC.2016 11:21:25



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Spectrun	ı]								
Ref Leve Att		Bm Offse dB SWT		RBW 1 MHz VBW 3 MHz		uto Sweep			
⊖1Pk Max									
10 dBm					M	1[1] 	1		44.35 dBm 95790 GHz
0 dBm									
-10 dBm	D1 -13.0	00 dBm							
-20 dBm——									
-30 dBm——									
-40 dBm				اللهان و بالله و و بالو و ولير				at the II	MI
and a particular production	diate in the second	و به الکرو او ما کرد. است	per ful _{les prod} trials, di 	المراجع المراجع المراجع من مراجع المراجع	erin serven er en er	nana naga ka nananya na		inen geren bisken der	i an an an Anna an Ann An an an Anna an
-60 dBm									
-70 dBm									
-80 dBm	GHz			3200	1 pts			Stor	20.0 GHz
) (asuring			11.12.2016 11:35:32
					·				11:33:32 //

Date: 11.DEC.2016 11:35:32



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Spectrun	1]								
	l 17.00 dBn		7.00 dB 👄 R						
Att	30 dE	B SWT	1.1 ms 😑 🎙	′BW 300 kH	z Mode /	Auto FFT			
⊖1Pk Max	1	1	1	1	1				
					M	1[1]			49.06 dBm
10 dBm——								810	0.2040 MHz
0 dBm									
-10 dBm									
	D1 -13.000	I dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									
-50 dBm							N	11	
-50 uBm	الراحلي العقور المراج	In the strength of the state	and support to be su	وير وهزور أحربه اللرز للاو	ويتلكون والمتلاط والمتعاول	and design and Land		a half half the former	Advata, Hour
-60 dBm	d postan di suda fisikata a		and the good the data						Nijî veterin ^{di la} hereker
-70 dBm—									
-80 dBm									
Start 30.0	MHz			3200	1 pts			Sto	p 1.0 GHz
					Mea	suring		4/4	1.12.2016 11:14:38

6.1.1.5.2 Test Channel = MCH

Date: 11.DEC.2016 11:14:38



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Spectru	ım								
	vel	17.00 dBm		7.00 dB 👄 F					
Att 1Pk Max	,	25 dB	SWT :	32.1 ms 🖷 🛚	/BW 3 MHz	Mode At	uto Sweep		
10 dBm-	Ì					м	1[1]		34.06 dBm 51720 GHz
0 dBm—									
-10 dBm-		01 -13.000	dBm						
-20 dBm-									
-30 dBm-			MI						
-40 dBm-		ويور والمحاور والمحاور والمحاور	and the second second	ر رو و او رو رو رو رو ر	. I g fa di atta con constitues. Mana di atta con constitues di atta			l de concel	ulintationale, e
A special set of set of set	"here	ومطوقا ويعتب والمسافي	ر <u>ها معنی در عامرین</u> اور در اور در	Children a constant	delies i a series		Charles Charles	and the second secon	And the second s
-60 dBm-									
-70 dBm-	-								
-80 dBm- Start 1.(-17			3200	1 nts		Ston	10.0 GHz
		Ϋ́			0200		isuring	-	1.12.2016
	1						-		11:20:49 //

Date: 11.DEC.2016 11:20:49



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Spectrum	Γ								
Ref Leve			7.00 dB 👄 I						
Att 1Pk Max	25	dB SWT	32.1 ms 🖷 '	VBW 3 MHZ	Mode A	uto Sweep			
10 dBm					м	1[1]			44.10 dBm 28290 GHz
0 dBm									
-10 dBm—	·D1 -13.00	0.dBm							
-20 dBm									
-30 dBm									
-40 dBm									INIT T
والعار والمعمار والمعد	an a balling balance	أدار ومتعلما أحدونا وغرا أمتره	And the second second	Inc. In the Constant	and the state of the second	and the first second	and a ball placed the	and public parts	and the state of the
-60 dBm	had all a state of the state of	and in page and in the second seco	and the state of t	In the second	all a fai fai sa sa a lagu fai	ndaran natura na bi	i milaan di kangan pina di kan ^{di k} i	The second s	Magaan Marine Jaar Bar
-00 0811									
-70 dBm									
-80 dBm	GH7			3200	1 nts			Stor	20.0 GHz
	Υ Υ			0200		isuring			1.12.2016
									11:35:52

Date: 11.DEC.2016 11:35:52



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M1[1] -50.31 dBm 0 dBm 257.9880 MHz 0 dBm 01 -13.000 dBm -10 dBm 01 -13.000 dBm -20 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm -70 dBm 01 -13.000 dBm -70 dBm 01 -13.000 dBm -80 dBm 01 -13.000 dBm -70 dBm 01 -13.000 dBm	Spectrum	n)								
PPk Max M1[1] -50.31 dBm 10 dBm 257.9880 MHz 0 dBm 0 -10 dBm 0 -20 dBm 0 -30 dBm 0 -40 dBm 0 -50										
10 dBm M1[1] -50.31 dBm 0 dBm 257.9880 MHz 257.9880 MHz 0 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -20 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -20 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -30 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm 01 -13.000 dBm 01 -13.000 dBm -50 dBm 01 -13.000 dBm 01 -13.000 dBm <td>-</td> <td>30 (</td> <td>db SWT</td> <td>1.1 ms 👄 🍾</td> <td>/BW 300 kH</td> <td>z Mode /</td> <td>Auto FFT</td> <td></td> <td></td> <td></td>	-	30 (db SWT	1.1 ms 👄 🍾	/BW 300 kH	z Mode /	Auto FFT			
10 dBm 257.9880 MHz 0 dBm 10 dBm -10 dBm 1 -10 dBm 1 -10 dBm 1 -20 dBm 1 -20 dBm 1 -30 dBm 1 -40 dBm 1 -50 dBm 1 -60 dBm 1 -70 dBm 1	●1Pk Max			_						
10 dBm 10 dBm <td></td> <td></td> <td></td> <td></td> <td></td> <td>M</td> <td>1[1]</td> <td></td> <td></td> <td></td>						M	1[1]			
-10 dBm 01 -13.000 dB	10 dBm						1	1	257	7.9880 MHz
-10 dBm 01 -13.000 dB										
-20 dBm -30 dBm -40 dBm	0 dBm									
-20 dBm -30 dBm -40 dBm										
-20 dBm	-10 dBm									
-30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm -80		D1 -13.00	10 dBm							
-30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -70 dBm -70 dBm -80	-20 dBm									
-40 dBm M1	20 4011									
-40 dBm M1	20 dBm									
-50 dBm -50 dBm -0 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -70	-30 UBIII									
-50 dBm -50 dBm -0 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -70										
-50 dBm	-40 dBm									
-co dBm			M1							
-50 dBm 1	للا مله ا				a to s					
-70 dBm -70 dBm -80 dBm -80 dBm Start 30.0 MHz 32001 pts Stop 1.0 GHz		a na sangarang sa	And the second	all a far de la constante de la constante de		and the second second	and the second second second		and the second second	
-80 dBm	-60 dBm	An all the second	e for the Televier	a second being	all and a subscription of the	and the state of the state	and the state	The second se		'
-80 dBm										
Start 30.0 MHz 32001 pts Stop 1.0 GHz	-70 dBm									
Start 30.0 MHz 32001 pts Stop 1.0 GHz										
	-80 dBm									
	Start 30.0	MHz			3200	1 pts	1	1	Sto	p 1.0 GHz
) (11.12.2016 // 11.12.2016 // 11.12.2016 // 11.12.2016 // 11.12.2016 // 11.12.2016 // 11.12.2016 // 11.12.2016							surina			11.12.2016

6.1.1.5.3 Test Channel = HCH

Date: 11.DEC.2016 11:14:59



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Spectru	ım									
	el :	17.00 dBm		7.00 dB 🥌 F						
Att 1Pk Max		25 dB	SWT	32.1 ms 👄 \	/BW 3 MHz	Mode Au	uto Sweep			
10 dBm—						M1[1]				37.09 dBm 22980 GHz
0 dBm										
-10 dBm-	D	1 -13.000	dBm							
-20 dBm-										
-30 dBm-					M1					
-40 dBm-			الله مرابعة والقريب	a an an the could	ally to play have been a	ala haring a sanata a	a da la tra da la tra			l la
Technological and the second	- Independent		t _{en de} sector de la constitución de							and the part of the second s
-60 dBm—										
-70 dBm—	_									
-80 dBm- Start 1.0		7			3200	1 nts			Stor	10.0 GHz
					5200		suring			11.12.2016
<u> </u>										11:22:12

Date: 11.DEC.2016 11:22:12



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Spectrun	ı)									
Ref Leve					BW 1 MHz					`
Att	25	db SV	Π 32.1	. ms 🥃 V	BW 3 MHz	Mode Au	uto Sweep			
●1Pk Max							1[1]			44.67 dBm
10 dBm							1[1] 			12040 GHz
0 dBm										
-10 dBm	D1 -13.0)00 dBm-								
-20 dBm—										
-30 dBm										
-40 dBm										M1
a de la constitución de la constitu	المراجع والمتحافظ والمع	المالاري والملار	a la serie de la s	المعالية سطول	والمستحق والمستعقل والمعالمة	والمري أستله ووالطرط	والأللىء ألكاس والله	a harden hard	الماسين المحسينا للماسة	والمسالين الأمعان والمسالية
an an in the could be	and with the star	o. Philippine and a state of the state of th	And the party of	an de Hallen op ander de Meri	أفلغم وماطله ومرساك	inn far filling och syndra	and the particular statements of the second s	الأثنية التلفلي ومخالفاته وعا	hiter of the part of the second	New Address of Local Diff.
-60 dBm—										
-70 dBm—										
-80 dBm										
Start 10.0	GHz				3200	1 pts				20.0 GHz
						Mea	suring (4/4	11.12.2016 11:36:10

Date: 11.DEC.2016 11:36:10



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Spectrun	n								Ē
Ref Leve Att	I 17.00 dBm 30 dB		7.00 dB 👄 R 1.1 ms 👄 V			Auto FFT			
⊖1Pk Max									
10 dBm					M	1[1]	1		49.19 dBm 1.4260 MHz
0 dBm									
-10 dBm									
-20 dBm	-D1 -13.000	dBm							
-30 dBm									
-40 dBm									
-50 dBm									M1
Spark Buller	Hereine der Beiter	and a set of the second set of the	and a start and a start	and the stall do not been	بالأرأية والمقاربين والمل	a de la constante de la constan	Lot all public	all the public days	aller falle de faller al
-60 dBm	bandan kalinanan	ndels th ^{a b} hrong feiddar	alada sa kata s	i de la contra producera	al-denden painten be	r fan de sterfe Kengerstelsen		P ^A pendumbakhana	redela por l'Alebade
-70 dBm									
-80 dBm									
Start 30.0	MHz	I	I	3200	1 pts	I	I	Sto	p 1.0 GHz
)(Mea	suring		4/4	11.12.2016 11:16:00

6.1.1.6 Test Mode = LTE / TM1 20MHz RB1#0 6.1.1.6.1 Test Channel = LCH

Date: 11.DEC.2016 11:16:01



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Spectru	um									
	vel	17.00 dB		7.00 dB 👄 1						
Att 1Pk Max	×	25 d	IB SWT	32.1 ms 😑 '	VBW 3 MHZ	Mode At	uto Sweep			
10 dBm-						M	1[1] 			31.48 dBm 33820 GHz
0 dBm—										
-10 dBm-		01 -13.00	0_dBm							
-20 dBm-										
-30 dBm-	-				M1					
-40 dBm-						المراجع	Louis de Maine			
معما متغرافه ومروريا و	ul.	In All Links	اوا في المعالية الي ال	10 ¹ 0.016 billiole bile of her	il _{plan} end finsk paters storensen	a para di seconda di s	a second a second data a	والملاف المراجب والمراجع	الأسليليين أغدان وم	للالد حدقادين للخدقطة
and the state of the second state of the secon	T.	a felhine e Albitan	and the second					and the second states of		and the loss participants
-60 dBm-										
-70 dBm-	_									
-80 dBm-					0000	1 mtc			Stor	
Start 1.0	u Gł	זב ר			3200	1 pts				10.0 GHz
L						меа	suring			11:19:38

Date: 11.DEC.2016 11:19:39



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Spectrum	ı]									
Ref Level					RBW 1 MHz VBW 3 MHz					
All 1Pk Max	2.	oub a	WYI 3	2.1 115 👅		MOUE AU	uto Sweep			
10 dBm						M	1[1]			42.95 dBm 60470 GHz
0 dBm										
-10 dBm	D1 -13.	000 dBm								
-20 dBm										
-30 dBm										
-40 dBm										
Harad and the second		alalin aasal Maara maali		a _{da} n di kana di k Yana manana kana di ka	al de la calencia de la calenda de la calencia de l Calencia de la calencia					
-60 dBm										
-70 dBm										
-80 dBm	GHz				3200	1 pts			Stor	20.0 GHz
)[isuring			11.12.2016 11:37:42

Date: 11.DEC.2016 11:37:43



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Spectrun	ı]								
Ref Leve Att	17.00 dBm 30 dB			:BW 100 kH 'BW 300 kH					
All 1Pk Max	30 UB	501	1.1 ms 🔲 ¥	'BW 300 KH	z Mode /	Auto FFT			
10 dBm					M	1[1]			50.10 dBm .7580 MHz
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm—									
-30 dBm									
-40 dBm									М1
-50 dBm	Terradian Majer (1 Terradian post (1999)	daal daaladaa	hy the lepton mapped	a anglah kenta Jawa	and and an an and a later	ada pasa pila al dija	la de Alla com de la		ndd Adar <mark>All</mark> anaad
	1999 by 1997 by	allen. Gerhadene	and a share of the second second second	nin men og af det som er for er for er som er s	an is con deficiencial con	and the second secon	the law selectory		тр т. н.
-70 dBm									
-80 dBm	MH7			3200	1 nts			Sto	p 1.0 GHz
				0200		suring			1.12.2016 11:15:38

6.1.1.6.2 Test Channel = MCH

Date: 11.DEC.2016 11:15:38



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Spectru	um	J									
Ref Le [.] Att	vel	17.00 dBm 25 dB			.00 dB 👄 F 2.1 ms 👄 V			uto Sweep			
●1Pk Ma	x										
10 dBm—							M	1[1]			35.20 dBm 47220 GHz
0 dBm—											
-10 dBm-		1 -13.000	dBm								
-20 dBm-											
-30 dBm-			M	11							
-40 dBm·						un un manater	ر. مطالبه مطاطرة المراجع الم				
a section of the	.	and a starting and a starting	petitizion		renningssegender Programs og standerer	langer of several several second	an provide the state of the sta	The later	استلسانين والطعالية ومراسيا و	والمعادا ووراطاليان فا	And the particular
the state of the s		and an international statements of the						14 Martin	n yali ya malikini daliminini.	al an air de la component de la c	and the state of the second
-60 dBm-											
-70 dBm-											
-80 dBm-		-									
Start 1.(JG⊢	z				320	D1 pts				10.0 GHz
L		Л					Mea	asuring		4/4	11:12.2010

Date: 11.DEC.2016 11:18:32



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Spectrum	ı]								
Ref Level Att	17.00 dBr 25 d		7.00 dB 👄 I 32.1 ms 👄 '		Mode A	uto Sweep			
• Att • 1Pk Max	20 0	5 641	52,1 m5 🖕		mode A	ию эмеер			
10 dBm					M	1[1] 			43.96 dBm 62660 GHz
0 dBm									
-10 dBm	D1 -13.000) dBm							
-20 dBm									
-30 dBm									
-40 dBm									M
والاستعظام وقرار أورقت	hand the state of the state	and the second	العوارية المتعلق إمالا	an and the second	¹⁹ likational paleotati Management	الاستارين، (الم ^{الك} امارية ⁽ المارية) الاستارين، (الم ^{الك} امارية (المارية)	والمرجعا ومطالبه المراجع الم	en dallatiisa pada	and a set of the second
-60 dBm	and the second			a a frantsford a standard.	1		i k ki _n di bistris _{kon} skilon ki		a a a a a a a a a a a a a a a a a a a
-70 dBm									
-70 uBili									
Start 10.0	GHz			3200	l nts			Ston	20.0 GHz
(suring		-	11.12.2016 11:37:08

Date: 11.DEC.2016 11:37:09



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Spectrun	n								
	l 17.00 dBm		7.00 dB 😑 R						<u>`</u>
Att	30 dB	SWT	1.1 ms 👄 V	' BW 300 kH	z Mode /	Auto FFT			
⊖1Pk Max	1	1	1			4541			40.07.40
10 dBm					IMI	1[1] 			48.87 dBm 1.8120 MHz
0 dBm									
-10 dBm—									
-20 dBm—	D1 -13.000	dBm							
-30 dBm									
-40 dBm—						M	1		
-50 dBm—	epostalla sportfa	te ban <mark>dar</mark> di kari d	n let te la dan le capa de la Angel dans de la competencia	and strategic and	a kanga sa padadi	an a ta baban daga daga daga daga daga daga daga da			
-60 dBm	Annual of the second seco	errar ketterra	iti ana ana ang ara ang ara		an an is a suith all a suit	and the second second second second	for one constraint.	- Ide and a	
-70 dBm—									
-80 dBm									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
					Mea	suring		444	11.12.2016 11:15:21

6.1.1.6.3 Test Channel = HCH

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Spectru	ım									
	/el	17.00 dBm		7.00 dB 👄 F						
Att 1Pk Max		25 dB	SWT	32.1 ms 👄	VBW 3 MHz	Mode A	uto Sweep			
UPK Max						M	1[1]			36.41 dBm
10 dBm—										72530 GHz
0 dBm—										
-10 dBm-		01 -13.000	dB m							
		1 -13.000								
-20 dBm-										
-30 dBm-										
-30 ubiii 1			M1							
-40 dBm-										
			المعاريد والرزار	a and a star of the star of th	والمسالي أعلم ويرهمون	all south all the standing the	er en ante a la constante de la			
Alter particular	1000	a na sanga sa	a ta an	and the second		Maret		and a second	والمراقعان بالمحادثان	alester and a located by
-60 dBm-	_									
-70 dBm—										
-80 dBm- Start 1.0		17			3200	1 nts			Stor	10.0 GHz
[<u>otart 1.0</u> [5200		asuring			11.12.2016
L						mea	isuriliy		-	11:20:14

Date: 11.DEC.2016 11:20:14



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Spectrun	ı)								
	l 17.00 dBr		7.00 dB 👄 F		_				
Att	25 d	B SWT	32.1 ms 🥃 🕻	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max		1	1			4141			
					IVI	1[1]			44.16 dBm 90470 GHz
10 dBm——									
0 dBm									
-10 dBm—									
	-D1 -13.000) dBm 							
-20 dBm—									
-30 dBm									
-40 dBm——									M
and a stand of the	and a start of the second	بالمري الملتحان ومراحه	اس ال مسالية من الم	and the second subsection of	al Boll Harbor	and the second states of the	usa nduga ganda nah	Allow And difference of the	State of the state
and a state of the s	Indiana Canada	f and a state of the second of	le personal de la company	Collected and the second s	and the second secon		na alitera y destante	lester of the base of the	ing a static in the static
-60 dBm									
-70 dBm—									
-80 dBm—									
Start 10.0	GHz	·	·	3200	1 pts			Stop	20.0 GHz
					Mea	suring		4/4	11.12.2016 11:36:40

Date: 11.DEC.2016 11:36:40



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7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE band4

7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	evel (dBm) Limit Line (dBm)		Polarization
1133.000	-67.06	-13.00	54.06	Vertical
2424.000	-59.04	-13.00	46.04	Vertical
6022.500	-66.49	-13.00	53.49	Vertical
1276.000	-67.43	-13.00	54.43	Horizontal
1804.000	-63.61	-13.00	50.61	Horizontal
5047.500	-67.50	-13.00	54.50	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1507.000	-66.70	-13.00	53.70	Vertical
1837.000	-63.12	-13.00	50.12	Vertical
4657.500	-67.97	-13.00	54.97	Vertical
1364.000	-67.82	-13.00	54.82	Horizontal
2520.000	-59.32	-13.00	46.32	Horizontal
5340.000	-67.61	-13.00	54.61	Horizontal

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1441.000	-67.02	-13.00	54.02	Vertical
2360.000	-59.35	-13.00	46.35	Vertical
4755.000	-67.82	-13.00	54.82	Vertical
1595.000	-65.76	-13.00	52.76	Horizontal
2320.000	-59.44	-13.00	46.44	Horizontal
2664.000	-57.93	-13.00	44.93	Horizontal

NOTE:

1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VL	-3.12	-0.00181	PASS
		LCH	TN	VN	1.26	0.00073	PASS
				VH	-5.83	-0.00339	PASS
				VL	1.33	0.00077	PASS
	LTE/TM1 20MHz	MCH	TN	VN	-2.38	-0.00137	PASS
			-	VH	2.55	0.00147	PASS
		НСН		VL	-6.28	-0.00360	PASS
			TN	VN	-5.13	-0.00294	PASS
LTE band 4				VH	-1.29	-0.00074	PASS
LIE Dallu 4		LCH	TN	VL	-4.23	-0.00246	PASS
				VN	-2.25	-0.00131	PASS
				VH	-4.56	-0.00265	PASS
				VL	1.33	0.00077	PASS
	LTE/TM2 20MHz	MCH	TN	VN	-3.00	-0.00173	PASS
				VH	2.19	0.00126	PASS
				VL	-3.22	-0.00185	PASS
		HCH	TN	VN	-6.86	-0.00393	PASS
				VH	1.04	0.00060	PASS



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8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-4.70	-0.00273	PASS
				-20	-4.28	-0.00249	PASS
				-10	2.31	0.00134	PASS
				0	1.65	0.00096	PASS
		LCH	VN	10	-1.65	-0.00096	PASS
				20	0.42	0.00024	PASS
				30	-4.31	-0.00251	PASS
				40	-2.12	-0.00123	PASS
			F	50	3.49	0.00203	PASS
				-30	-2.54	-0.00147	PASS
				-20	-3.21	-0.00185	PASS
				-10	-4.28	-0.00247	PASS
				0	-3.49	-0.00201	PASS
LTEband4	LTE/TM1 20MHz	MCH	VN	10	-4.28	-0.00247	PASS
				20	-2.97	-0.00171	PASS
				30	-4.16	-0.00240	PASS
				40	-5.82	-0.00336	PASS
				50	-6.28	-0.00362	PASS
				-30	0.25	0.00014	PASS
				-20	-2.26	-0.00130	PASS
				-10	1.37	0.00079	PASS
				0	-2.83	-0.00162	PASS
		НСН	VN	10	2.92	0.00167	PASS
				20	-1.35	-0.00077	PASS
				30	-2.67	-0.00153	PASS
				40	-4.62	-0.00265	PASS
				50	-7.05	-0.00404	PASS



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				1	-age.		
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-1.46	-0.00085	PASS
				-20	-2.05	-0.00119	PASS
				-10	3.28	0.00191	PASS
				0	2.44	0.00142	PASS
		LCH	VN	10	1.67	0.00097	PASS
				20	-0.13	-0.00008	PASS
				30	-2.84	-0.00165	PASS
				40	5.38	0.00313	PASS
			-	50	1.79	0.00104	PASS
		МСН		-30	-3.80	-0.00219	PASS
			VN	-20	-5.05	-0.00291	PASS
				-10	-3.13	-0.00181	PASS
	LTE/TM2 20MHz			0	-3.31	-0.00191	PASS
LTEband4				10	-2.34	-0.00135	PASS
				20	1.78	0.00103	PASS
				30	-3.36	-0.00194	PASS
				40	-2.39	-0.00138	PASS
				50	-3.13	-0.00181	PASS
				-30	-3.84	-0.00220	PASS
				-20	-2.50	-0.00143	PASS
				-10	1.33	0.00076	PASS
				0	-2.93	-0.00168	PASS
		HCH	VN	10	0.55	0.00032	PASS
				20	-1.27	-0.00073	PASS
				30	2.29	0.00131	PASS
				40	-4.66	-0.00267	PASS
				50	-8.17	-0.00468	PASS

The End