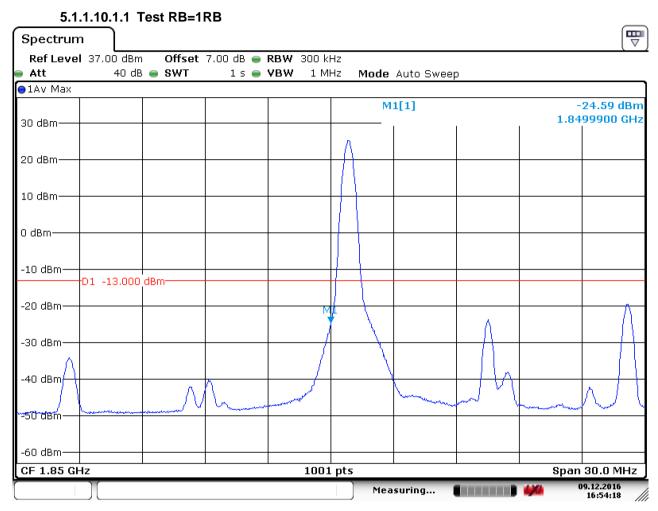


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#### 5.1.1.10 Test Mode = LTE/TM2 15MHz

#### 5.1.1.10.1 Test Channel = LCH



Date: 9.DEC.2016 16:54:18



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Spectrun	n								
Ref Leve	l 37.00 dBm		7.00 dB 😑	<b>RBW</b> 300 k	Hz				
🗕 Att	40 dE	B 😑 SWT	1 s 👄	<b>VBW</b> 1 M	Hz Mod	e Auto Swe	зер		
⊖1Av Max					-				
						M1[1]			-20.19 dBm
30 dBm						1	1	1.84	199900 GHz
20 dBm									
10 dBm									
10 000									
o do									
0 dBm									
-10 dBm—	D1 -13.000	dPm							
	DI -13.000			M	1				
-20 dBm—				- manana -	2				$\left  \right $
		and a second							
-30 dBm									
-40 dBm									
-50 dBm									
-50 abiii									
co do-									
-60 dBm					_			_	
CF 1.85 G	Hz			1001	. pts				30.0 MHz
[	Л				M	easuring		444	09.12.2016 16:55:44  //

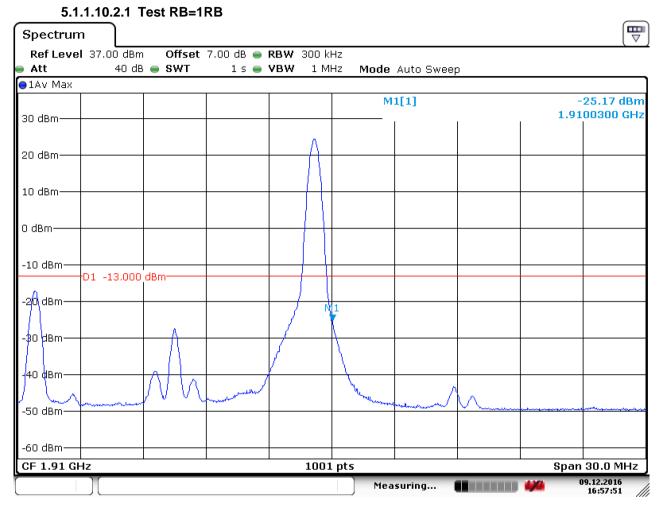
5.1.1.10.1.2 Test RB=75RB

Date: 9.DEC.2016 16:55:44



Report No.: SZEM161000916705 Page: 110 of 177

5.1.1.10.2 Test Channel = HCH



Date: 9.DEC.2016 16:57:51



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Spectrun	n								
Ref Leve	l 37.00 dBm		7.00 dB 😑	<b>RBW</b> 300 k	Hz				
Att	40 dB	s 🔵 SWT	1 s 👄	<b>VBW</b> 1 M	Hz <b>Mod</b> e	e Auto Swee	р		
⊖1Av Max									
30 dBm					ا 	M1[1]	1		23.41 dBm 00300 GHz
20 dBm									
10 dBm									
0 dBm									
-10 dBm	D1 -13.000	dBm							
-20 dBm—				6	1				
/ -30 dBm—									
-40 dBm									
-50 dBm									**** <u>*********************************</u>
-60 dBm									
CF 1.91 Gł	Hz	•	·	1001	pts		<u> </u>	Span	30.0 MHz
	][				) Me	asuring		<b>4/4</b>	9.12.2016 16:56:16

5.1.1.10.2.2 Test RB=75RB

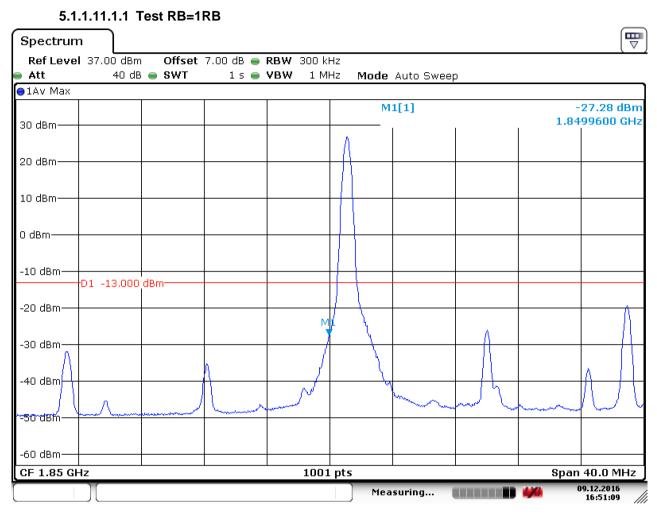
Date: 9.DEC.2016 16:56:16



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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 16:51:09



Report No.: SZEM161000916705 Page: 113 of 177

Spectrun	n								
	l 37.00 dBm		: 7.00 dB 👄						
e Att	40 dE	8 👄 SWT	1 s 👄	VBW 1 MI	Hz Mo	de Auto Swe	зер		
⊖1Av Max									
						M1[1]			22.27 dBm
30 dBm							1	1.84	99600 GHz
20 dBm									
20 0011									
10 dBm——							~~~~~		
0 dBm									
-10 dBm—									
	D1 -13.000	dBm							
-20 dBm—				м	1				
-20 0811					u				
		m							
-30 dBm —	a manufacture of the second								
40 dBm									
-50 dBm—			_					ļ	
-60 dBm									
CF 1.85 G	Hz			1001	pts			-	40.0 MHz
[	][				] I	Measuring		<b>444</b> 0	09.12.2016 16:51:35

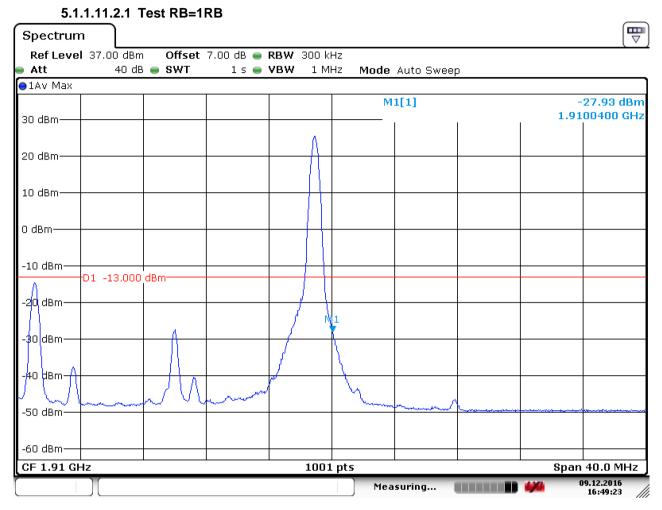
5.1.1.11.1.2 Test RB=100RB

Date: 9.DEC.2016 16:51:35



Report No.: SZEM161000916705 Page: 114 of 177

5.1.1.11.2 Test Channel = HCH



Date: 9.DEC.2016 16:49:23



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Spectrun	n								
	l 37.00 dBm		7.00 dB 😑						`
e Att	40 dB	s 😑 SWT	1 s 👄	VBW 1 M	Hz Mode	Auto Swee	0		
⊖1Av Max	1	1	1	1	1				
30 dBm					M	1[1] 			23.40 dBm .00400 GHz
20 dBm									
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm—				l for	1				
-30 dBm					- market				
-40 dBm									
-50 dBm									
-60 dBm	 								
CF 1.91 G	Hz			1001			-		40.0 MHz
	Д				Mea	suring		44	09.12.2016 16:48:50

5.1.1.11.2.2 Test RB=100RB

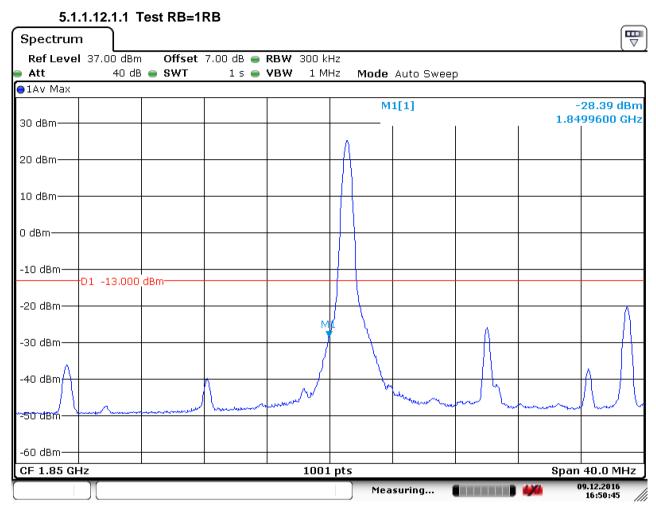
Date: 9.DEC.2016 16:48:51



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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 16:50:45



Report No.: SZEM161000916705 Page: 117 of 177

Spectrun	n									
	I 37.00 dBm		7.00 dB 😑	<b>RBW</b> 300 ki	Ηz					`
🗕 Att	40 dE	B 🔵 SWT	1 s 👄	<b>VBW</b> 1 MI	Ηz	Mode	Auto Swee	p		
⊖1Av Max										
30 dBm						M	1[1] I	I		24.64 dBm 99600 GHz
20 dBm										
10 dBm										
0 dBm					$\int$				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-10 dBm—	D1 10 000									
-20 dBm—	D1 -13.000	aBm		M	1)					
-30 dBm		Lourse and the second								
-40 dBm-										
-50 dBm										
-60 dBm										
CF 1.85 GI	- Hz	I	1	1001	pts	:	1	1	Span	40.0 MHz
							suring		· · ·	09.12.2016 16:51:59

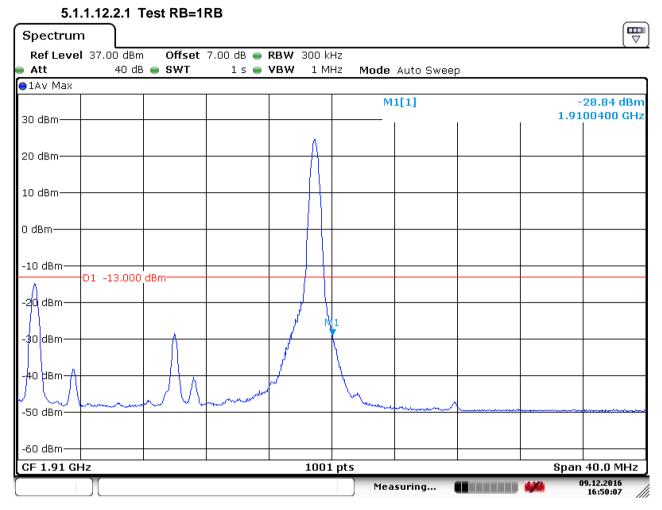
5.1.1.12.1.2 Test RB=100RB

Date: 9.DEC.2016 16:51:59



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5.1.1.12.2 Test Channel = HCH



Date: 9.DEC.2016 16:50:08



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Spectrum	ι								
	37.00 dBm		7.00 dB 😑		Hz				
Att	40 dB	s 👄 SWT	1 s 👄	<b>VBW</b> 1 M	Hz Mode	Auto Swee	р		
⊖1Av Max			1						
30 dBm					M	1[1]	1		24.82 dBm 00400 GHz
20 dBm									
10 dBm									
0 dBm									
-10 dBm	D1 -13.000	dBm							
-20 dBm					1				
-30 dBm									
-40 dBm									
-50 dBm									<u></u>
-60 dBm-	•								40.0 MU
CF 1.91 GH	1Z			1001					40.0 MHz
	Л				Mea	isuring		444	9.12.2016 16:48:22

5.1.1.12.2.2 Test RB=100RB

Date: 9.DEC.2016 16:48:22



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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.

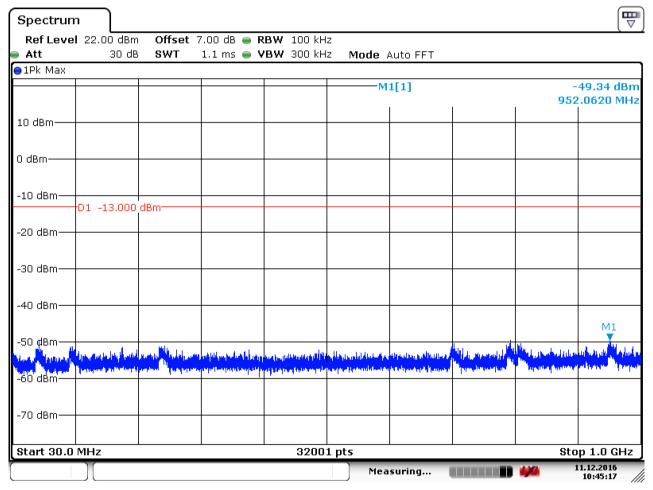
Part I - Test Plots

#### 6.1 For LTE

#### 6.1.1 Test Band = LTE band2

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

6.1.1.1.1 Test Channel = LCH



Date: 11.DEC.2016 10:45:17



Report No.: SZEM161000916705 Page: 121 of 177

Spectrur	n							(₩
Ref Leve Att	l 17.00 dBr 25 d		7.00 dB 👄 F 32.1 ms 👄 V					
All 1Pk Max	25 U	5 9 10 1	32.1 ms 🔳 י	<b>76W</b> 3 MHZ	MODE AU	uto Sweep		· · · · · · · · · · · · · · · · · · ·
10 dBm					M	1[1] 		31.38 dBm 00620 GHz
0 dBm								
-10 dBm—	-D1 -13.000	) dBm						
-20 dBm—								
-30 dBm—		1	M1					
-40 dBm—	tota a secondar	مارية أقبره وريارهم وروو	a geograficités d'anna e	likelenen parteke				ماللين ال
	and the second sec	a na far far gan a star gan a sta A star gan a		na ta ang ang ting ng ini ing ting.	pagater" l'	aulu,	والعامين والتاري	al de Charles en al
-60 dBm—							nderen bei <sup>nd</sup> rücken bei	
-70 dBm—								
-80 dBm								
Start 1.0 (	GHz			3200			 -	10.0 GHz
					Mea	suring	4/4	1.12.2016 10:48:26

Date: 11.DEC.2016 10:48:26



Report No.: SZEM161000916705 Page: 122 of 177

Spectrun	n )								
	l 17.00 dBr		7.00 dB 👄 F		_				
e Att	25 dI	B SWT :	32.1 ms 🛑	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max			1						
					IVI	1[1]			44.54 dBm 69220 GHz
10 dBm——									
0 dBm									
-10 dBm—									
	D1 -13.000	) dBm							
-20 dBm—									
-30 dBm—									
-40 dBm—									М
ومربق والتأثير والم	and the local state of the stat	يلغلون والأطعيل والدرا	فالحميا الشعمانين وروا	والفقيس بالثال ومربع والم	Alimentation (1911) provide	والالبين والأسري والم	الأل ومنافق والمعاوي وا	and and also plate	astral astra
date and the discouter	and the particular	(manufacture)	البيغير ويحمياكم ويترا	Margaria (1918 per printi	Mahildatan dina Mat	Manage and Manager and Andrews	Constitution from the	Markov Ballandri Leppendi De	hard a start of the start of th
-60 dBm									
-60 UBIII									
-70 dBm—									
, o dom									
-80 dBm									
Start 10.0	GHz	·	I	3200	1 pts	I	I	Stop	20.0 GHz
					Mea	suring		444	11.12.2016 11:05:34

Date: 11.DEC.2016 11:05:34



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Spectrun	n ]								(₩
	I 22.00 dBr		7.00 dB 😑 R						
Att 1Pk Max	30 d	B SWT	1.1 ms 👄 🎙	<b>/BW</b> 300 kH	z Mode /	Auto FFT			
UPK Max	[				M	1[1]			49.65 dBm
						1[1]			.3860 MHz
10 dBm									
0 dBm									
-10 dBm—									
-20 dBm—	D1 -13.00	) dBm							
-30 dBm									
-40 dBm									
-50 dBm							P	11	
	Lange and a state of the second	والمسالية المسلم المراجعين	A MALES AL AND A MALES	and a balance little	وأبراه واللاق الترجيب	Langer - Ballion	Mana Mark	a shart and a base	and the destruction
-60 dBm	houstastesphille	n di tatal Mana batala	ngepartenen freiheide Angelerik	ni na hanna anna a	loopula kontron kuude	pogeli (na statuto pod	and the second s	, <mark>balijationa</mark> ti	Adapted Strategiese
-70 dBm									
Start 30.0	MHz			3200					p 1.0 GHz
Į – – – –	Л				Mea	suring			1.12.2016 10:44:49

#### 6.1.1.1.2 Test Channel = MCH

Date: 11.DEC.2016 10:44:49



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Spectrun	ı )								
Ref Leve Att	l 17.00 dBn 25 df			RBW 1 MHz VBW 3 MHz	na-d- A				
Att 1Pk Max	25 ui	ואיה כ	52.1 IIIS 👅		MOUE A	uto Sweep			
10 dBm					M	1[1] 			28.85 dBm 59120 GHz
0 dBm									
-10 dBm	D1 -13.000	) dBm							
-20 dBm			N4.1						
-30 dBm—									
-40 dBm—					ر. مراقع ما بالانتخاري	analmineter <sup>k</sup> itet			
A second share for easy	ne ann a chlan	a distanti di statu da di Antana di statu da di statu da di statu	The second s	an <mark>ing kanapatèn dia kang papap</mark> malah dia kanapatèn dia kanapatèn dia	and the particular states	a baarda balan bahar Managara	المتعاور المعطوران المعا	undred and the state	al and the protocol of the
-60 dBm	linger her den her som bler						naling, andreased and a literation	agaanaan gagadan dhag	a di stining na datana an mar
-00 0611									
-70 dBm—									
-80 dBm					1 mtc				
Start 1.0 G	T			3200		asuring			10.0 GHz
Ĺ					Mea	isuriny		-	10:47:36

Date: 11.DEC.2016 10:47:36



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Spectrun	n								
	l 17.00 dBr		7.00 dB 👄 I		_				
Att	25 dI	B SWT	32.1 ms 🛑 '	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max	1	1		T		4543			
					IM	1[1]			44.22 dBm 22350 GHz
10 dBm								19.9	
0 dBm									
-10 dBm—	D.1 . 10.000								
	D1 -13.000	ј авт							
-20 dBm—									
-30 dBm—									
-40 dBm									
				المقابلة ووقاعته والم	na sala shari ku	المراجعة المراجعة			M1
ومتنفل وأفأه أعليك وروك	And	Miller Martin	A state of the sta		n an	and a second	Anger Ander de beschie Anger ander de beschie	ander ander der sinder	
a para la serie de la serie	and the second se	and the second	A CHILDREE CONTRACTOR	Herbert - 197			and a subset to a subset to a subset of the	1	ieller in ter
-60 dBm			-						
-70 dBm—									
-80 dBm									
Start 10.0	GHZ			3200			_		20.0 GHz
					Mea	suring		4/4	1.12.2016 11:05:56

Date: 11.DEC.2016 11:05:56



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Spectrun	n								
	I 22.00 dB		7.00 dB 👄 F						
Att	30 c	IB SWT	1.1 ms 🖷 🕻	<b>/BW</b> 300 kH	z Mode.	Auto FFT			
⊖1Pk Max						1[1]			49.03 dBm
					IVI	1[1]			49.03 UBM 1.4560 MHz
10 dBm			-						
0 dBm			_						
-10 dBm									
-10 aBm—	D1 -13.00	0 dBm							
-20 dBm—									
-30 dBm—									
-40 dBm—									
-50 dBm									M1
Landle Laborer	بالمناجد وألاريه	Share the starts	Halles Leville and the start	and a string of a state	ատվեստոս	والمراد والاستارية أوراده	I Laboration II. IS	Start Burner	and the last set
-60 dBm	Construction (1946)		pan data serita seria a panal				"Installing to the	a transfording boot	whether "houses
-70 dBm—									
Start 30.0	MHz			3200	1 pts	·	1	Sto	p 1.0 GHz
[	][				) Mea	suring		444	11.12.2016 10:44:24

#### 6.1.1.1.3 Test Channel = HCH

Date: 11.DEC.2016 10:44:25



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Spectrum	ι								
	l 17.00 dBn		7.00 dB 👄 F		_				
Att	25 dE	B SWT	32.1 ms 🔳 🕻	BW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max			-		1				
					M	1[1]			33.12 dBm
10 dBm								3.8	17900 GHz
0 dBm									
-10 dBm	·D1 -13.000								
-20 dBm									
-30 dBm			-M1						
-40 dBm					ىقەللىس ( يېتورن يې	a sur to a substation			
a markenster	under metreffek m	haddestandium	11 11 1		and a standard sector of the s		والمعالية والمناج	ومقروبا والمقرور	ويروار الالعاقي
and the second strength of the second strengt	and the second sec	a state of the sta				- Aller A	ومعادية ومطالبي وتع	and the second	and the states are
-60 dBm									
-70 dBm									
-80 dBm									
Start 1.0 G	iHz			3200	1 pts				10.0 GHz
					Mea	suring		4/4	11.12.2016 10:49:17

Date: 11.DEC.2016 10:49:17



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Spectrun	n )								
	l 17.00 dBr		7.00 dB 👄 I		_				
Att	25 d	B SWT	32.1 ms 👄 🎙	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max	1	1	1	1					
					M	1[1]			44.55 dBm 13290 GHz
10 dBm								19.0	19580 GHS
0 dBm									
-10 dBm—									
	D1 -13.000	) dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									М1
ten den bernen ander	الدورين. رايا <sup>الط</sup> ار (19	محمد بالأنفس ولي ال	المراجع والاو الأليسية من وراجع	الألمارين فالاعتناق ورادا	and the state of a state	anter (and the fire of the	the part of the state of the st	and and the state of the state	Hasta Million
and a second second second	No. of the Longer and	and the second	in the second second second second second	a dha ma sa a dhifte a shifte a		and the second secon	nga pilaka ang pada biti	and a second state of a second state of the se	Managa and and Alana
-60 dBm									
-70 dBm—									
-80 dBm									
Start 10.0	GHz			3200	1 pts				20.0 GHz
					Mea	suring		4/4	1.12.2016 11:06:20

Date: 11.DEC.2016 11:06:21



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 Ref Level 22.00 dBm Offset 7.00 dB 👄 RBW 100 kHz 1.1 ms 👄 **VBW** 300 kHz 30 dB SWT Att Mode Auto FFT ●1Pk Max M1[1] -49.47 dBm 952.0930 MHz 10 dBm<sup>-</sup> 0 dBm--10 dBm-D1 -13.000 dBm -20 dBm--30 dBm--40 dBm-M41 -50 dBm a hi na chi alta -60 dBm -70 dBm-Start 30.0 MHz 32001 pts Stop 1.0 GHz 11.12.2016 Measuring... -----10:43:08

Date: 11.DEC.2016 10:43:09



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Spectrun	n ]								(₩
Ref Leve Att	l 17.00 dBm 25 dB		7.00 dB 👄 F 32.1 ms 👄		<b>NA</b> - <b>A</b> - <b>A</b> -				
All 1Pk Max	25 UE	5 5 1 1	32.1 ms 🔳 V	<b>IBW</b> 3 MHZ	MODE AU	uto Sweep			
10 dBm					M	1[1] 			30.97 dBm 00620 GHz
0 dBm									
-10 dBm—	-D1 -13.000	dBm							
-20 dBm—									
-30 dBm—		N	11						
-40 dBm—		ىر بى بەر بىر بىر بىر بىر بىر	الأدوينا وباستعامه إستار	و باباری و معالی		a dina kati dina dina dina dina dina dina dina din			
		and the second	u de la desentación de la defensión : 		denter and		half and the second	di Jadhan ya Amadikan Mana	and The Apparent of the App Apparent of the Apparent of the
-60 dBm								alley, Loose ,	
-70 dBm—									
-80 dBm	2Hz			3200	1 nts			Ston	10.0 GHz
				5200		suring		-	1.12.2016
						g			10:50:38 //

Date: 11.DEC.2016 10:50:38



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Spectrum	ιÌ									
Ref Level Att					RBW 1 MHz VBW 3 MHz		uto Sweep			
• Htt • 1Pk Max		<u> </u>		52.1 m5 🖕		MOUE AU	лю эмеер			
10 dBm						M	1[1]			44.13 dBm 53600 GHz
0 dBm										
-10 dBm	D1 -13.	.000 dBr	n							
-20 dBm——										
-30 dBm										
-40 dBm										IVI IVI
Alaka detailar	hiddina	الحيرة الأستقل	a an	وسلام وخطيفهم والمراد	Palet southing control	Halling and the product of the second se	Alexandre Strangenett	الأسرام ومراوا المعاور با	appears by a star	and a stand of the
-60 dBm	en plate te de la constante de La constante de la constante de	hile and the state	a di baya di k	and a state of the second s	in the provident of the second se	and a second second size				
-00 ubiii										
-70 dBm——										
-80 dBm	011-									
Start 10.0	GHZ				3200			-		20.0 GHz
						Mea	suring		4/4	11.12.2016 11:05:15

Date: 11.DEC.2016 11:05:16



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Spectrun	n ]								(₩
	el 22.00 dBm		7.00 dB 😑 R						
Att 1Pk Max	30 dE	SWT	1.1 ms 🥃 🖌	<b>'BW</b> ' 300 KH	z Mode /	Auto FFT			
					M	1[1]			50.02 dBm .4580 MHz
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
-40 dBm—									
-50 dBm	and and the little ball	د ارور و <sub>م</sub> ام <sup>ال</sup> ار رو ر	a sakila kolomoo is, ees	nta tan kata di salas na sa	ekini suka Jisebili sinaki ka	ينه وبالهور وهر إربيهم	Allan Haller and the	Marendel wheel	M1
-60 dBm			landhordh Athanasa					n <sup>Ma</sup> laya Kubikulayi I	a lington <sup>be</sup> landaria
-70 dBm—									
Start 30.0	MHz			3200	1 pts			Sto	p 1.0 GHz
					) Mea	suring		444	1.12.2016 10:43:35 //

#### 6.1.1.2.2 Test Channel = MCH

Date: 11.DEC.2016 10:43:35



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Spectrun	ι)								
	l 17.00 dBn		7.00 dB 👄 I						
Att 1Pk Max	25 di	B SWT	32.1 ms 🖷 '	VBW 3 MHZ	Mode At	uto Sweep			
10 dBm					M	1[1] 			28.87 dBm 57710 GHz
0 dBm									
-10 dBm—	D1 -13.000	)_dBm							
-20 dBm—			M11						
-30 dBm—									
-40 dBm—	un de la maile de la de l	. Long the Milli Scolar	والسريا والفق فالرو ومقر						
the second second		n ny salatan di katalah salatan di	an a		and and a second	l lui	والاستفاقع المحا	وبالمقرقين المراجع	entropy of the second
-60 dBm							re contra por en al debito de la consta de la des		
-70 dBm—									
-80 dBm	H7			3200	1 nts			Ston	10.0 GHz
	Y			5200		suring			11.12.2016
						3			10:50:01

Date: 11.DEC.2016 10:50:02



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Spectrum	Γı								
Ref Level	l 17.00 dE 25		7.00 dB 👄 I 32.1 ms 👄 '			uto Sweep			
• Htt • 1Pk Max			52.1 mb 🍯		MOUE A	лю эмеер			
10 dBm					M	1[1]			44.04 dBm 63280 GHz
0 dBm									
-10 dBm—	D1 -13.00	0 dBm							
-20 dBm——									
-30 dBm									
-40 dBm									I⊽I
lade buildenthe she	and the second	and a stand of the stand		al a constant of the	Na ang ang ka	المراجع	التواد الإيراء معروده	la ala Malalangan Is	astronal attention of the
n den sel kommen sel det de la de sen sel de la se	and the second secon	the bird of a second state of the local second s	the property of the second	and the second			n dager fridding by several statistic	and the second	
-60 dBm									
-70 dBm									
-80 dBm	CH2			3200	1 nts			Ston	20.0 GHz
				3200					1.12.2016
					riea	suring			11:04:54

Date: 11.DEC.2016 11:04:55



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Spectrun	n								□
	l 22.00 dBm		7.00 dB 👄 R						`
Att	30 dB	SWT	1.1 ms 🥃 🖌	<b>/BW</b> 300 kH	z Mode /	Auto FFT			
⊖1Pk Max						1[1]			48.24 dBm
					171	1[1]			.6070 MHz
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									
									M1
-50 dBm	and and a start for		and least here a					the payor by date	ante este anti-
-60 dBm	Nganthangkingkingkingkingki	ubtalui <sup>, ni</sup> tingének	<mark>a pilitan baharipana</mark>	An the state of the second	en het werden standigter jah	hhál na padhlaitear	Berland Colored	I <sup>V</sup> tendenklijegenge	antha ball - Applica
-70 dBm									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
					Mea	suring		4/4	11.12.2016 10:43:57

#### 6.1.1.2.3 Test Channel = HCH

Date: 11.DEC.2016 10:43:57



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Spectrum	ı ]								(₩
Ref Level Att	17.00 dBn 25 dB		7.00 dB 👄   32.1 ms 👄		Mode A	uto Sweep			
⊖1Pk Max									
10 dBm					M	1[1] 			31.41 dBm 15080 GHz
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm									
-30 dBm			M1						
-40 dBm		المربعة المربية المربية	و بالمرابعة و بالمر يور في ا	a lie 1 de 1915 y de colorense	Veral Annal Andrea	a grande geler ( <sup>10</sup> mer			
haliden metalen.	distant displayed	Constant State	a constant and a second strain provide a	a part of a first state	and the second	All the second sec	وجرية وأعلمهم وروالي	unal palatel	alson databased
-60 dBm						10 <sub>10</sub> -	n shi ta wa shi ta bili ka shekara ta		l <sup>a Mad</sup> ala <sub>le po</sub> nto pla de Jeja
-70 dBm									
-80 dBm									
Start 1.0 G	Hz			3200			_	-	10.0 GHz
					Mea	suring		4/4	11.12.2016 10:51:05

Date: 11.DEC.2016 10:51:05



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Spectrum	ı ]								
Ref Level			t 7.00 dB 👄						
Att	25	dB SWT	32.1 ms 👄	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max									10.07.10
					IVI	1[1]			-43.87 dBm 22350 GHz
10 dBm							1	19.0	
0 dBm									
-10 dBm—									
	D1 -13.0	00 dBm							
-20 dBm—									
-30 dBm—									
00 0.0									
-40 dBm—									
-40 0811									M1 T
المعرب والالاطرار ورواه	بالعرب وكالكلون	ورجا فألكن والمروان	أأالاتها والتطويري ورابطه	اللغير والقعا بالعرامة	والبرية والمعالمة المطالبة	يلدي <sub>ن م</sub> الي <sup>ال</sup> ديون الإسلام	المحدوقة إخسالاله ويع	المعرب اللمعرير إفتيه	والمستعلم المالية المستعد ومنالك
Anna Alfreddina d <sup>ha</sup> n	a de la companya de l	and Local Differences	follow the second second second	a an	and the state of t	Contraction of the second s	Installing a short the	اه دادین به دواندر زاده <sub>ک</sub> ه به ا	ding production of the second
-60 dBm									
-70 dBm—									
-80 dBm—									
Start 10.0	GHz		I	3200	1 pts	·	ı	Stop	20.0 GHz
					Mea	suring		<b>4/4</b>	11.12.2016 11:04:31

Date: 11.DEC.2016 11:04:31



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	6.1.1.3.1	Test Cha	annel = LCI	4					
Spectrur	n								₽
Ref Leve	el 22.00 dBm	n Offset	7.00 dB 🔵 R	<b>BW</b> 100 kH	z				
🗕 Att	30 dE	SWT	1.1 ms 👄 🖌	<b>′BW</b> 300 kH	z Mode /	Auto FFT			
⊖1Pk Max									
					M	1[1]			49.01 dBm
						1	1	949	0.8500 MHz
10 dBm—									
0 dBm									
-10 dBm—									
	D1 -13.000	dBm							
-20 dBm—									
-20 ubiii									
-30 dBm—									
-40 dBm—									
									M1
-50 dBm—	Lan Kallin		and the second				here the second	in the second second	Langel of the land
the last strength	Contradication for the second	standard Blancat	n ja kangelan panan dan ku	al strakitte siteatikati	and statement of the state and a statement of the statement	a papagana na sana sa	and the block of the	puerte appression	
-60 dBm	and study to a la		e e te te a da os	and the other provides of	- The second		THE CONTRACTOR		
-70 dBm—									
Start 30.0	MHz	<u> </u>		3200	1 pts	l	I	Sto	p 1.0 GHz
					Mea	suring		444	1.12.2016 10:42:36

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

Date: 11.DEC.2016 10:42:36



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Spectrur	n ]								(₩
Ref Leve Att	l 17.00 dBn 25 di			RBW 1 MHz VBW 3 MHz	NALI- A.				
• Att	23 ui	0 0 01	32.1 IIIS 👅		MOUE A	uto Sweep			
10 dBm					M	1[1]			30.00 dBm 00620 GHz
0 dBm									
-10 dBm—	-D1 -13.000	) dBm							
-20 dBm—									
-30 dBm—			M1						
-40 dBm—			a shall be followed and the	أمعا والمسرور الأولاق وورد أسرو	المريحة والطورية. الأسريحة والطورية				
la fra hales have been been		1	in particular de la constitución de	الدوار فالمتحو المشكر للترجي ومحروط			a and a state of the state of t	an an an training and a state of the state o	an Basha Jalaya ya ku sa
-60 dBm—									
-70 dBm—									
-80 dBm				3200	1 ptc			Stor	0 10.0 GHz
				3200		isuring			11.12.2016
<i>د</i>									10:52:20

Date: 11.DEC.2016 10:52:21



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Spectrum	ı ]								
Ref Level	17.00 di 25		t 7.00 dB 👄						
Att 1Pk Max	25	dB SWT	32.1 MS 💻	VBW 3 MHz	MODE A	uto Sweep			
10 dBm					M	1[1]			•43.35 dBm /98290 GHz
0 dBm									
-10 dBm—	D1 -13.0	00_dBm							
-20 dBm									
-30 dBm									
-40 dBm									M1
and problem (m)	اربان أتكلف منه	nul and make	and the sound stands of the second	يعلون والمعرور والملق	haber keiler silli	والاروب الألفاني مط	In a state of a deally	and the state of the state	المرابع الأسطول. حالاً <u>اسطام</u>
-60 dBm							f la <sub>se en e</sub> n stille en en partite el la diffe		
-70 dBm									
-80 dBm	GHz			3200	1 nts			Stor	0 20.0 GHz
	Υ					suring			11.12.2016 11:03:13

Date: 11.DEC.2016 11:03:13



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	0.1.1.	J.Z	Test Cha							_
Spectrun	n									[₩
Ref Leve	1 22.00	) dBm	Offset	7.00 dB 🔵	<b>RBW</b> 100 kH	łz				
🗕 Att		30 dB	SWT	1.1 ms 👄	<b>VBW</b> 300 kH	lz Mode	Auto FFT			
😑 1Pk Max										
						M	1[1]		-	49.44 dBm
									948	.9400 MHz
10 dBm										
10 000										
0.40										
0 dBm										
-10 dBm—	D.1 . 11		do							
	D1 -1	3.000	abm							
-20 dBm—										
-30 dBm										
-40 dBm										
-40 uBiii										
										M1
-50 dBm					1.1.1.	k k			the attention limb	Lister de Laller e
half the states in	i n har in a dh	all <sup>a</sup> laphr			n al-al-Althumata Agaantiinaan				A CONTRACTOR OF A CONTRACT	aliansan haraka
-60 dBm	International Contract		and the second second		a distant intervention	allow and a shared. If not	a not a la senserat	In the desired of	1	
-70 dBm										
Start 30.0	MH7				3200	  1 pts				p 1.0 GHz
	1				0200					1.12.2016
						Mea	asuring		40	10:42:12

#### 6.1.1.3.2 Test Channel = MCH

Date: 11.DEC.2016 10:42:13



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Spectrun	ן י								
Ref Leve Att	l 17.00 dBn 25 dB			RBW 1 MHz VBW 3 MHz	na-d- A				
All 1Pk Max	25 U	0 011	52.1 IIIS 👅		MOUE A	uto Sweep			
10 dBm					M	1[1]			28.82 dBm 56020 GHz
0 dBm									
-10 dBm—	D1 -13.000	) dBm							
-20 dBm—									
-30 dBm—			M1						
-40 dBm				u ju su ji su ju su je	. Jahren al Ma	antana kantana <sup>tat</sup>			
الافاتيان ومقاهما وارواروا	فالمطبوعا يعولانني ا	and provide the second se		an har se jagger an program. A har faith an se le chaire an a	in the local data and the	an a	والمطالب المغرمين الرواد	المطالبينين ووماليه إدرا	ې در هم راي د ور روسا د او د
alian alian ang ang ang ang ang ang ang ang ang a	han ya daga sa ka ya dalam ƙafa ƙ					The second	Marina andreas andreas and an analysis data	and dealer and when	and the following and the strength of the stre
-60 dBm—									
-70 dBm									
-80 dBm					4				
Start 1.0 G	iHZ			3200					10.0 GHz
Ĺ					Mea	asuring		440	10:51:45

Date: 11.DEC.2016 10:51:46



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Spectrum	ι								
Ref Level	l 17.00 dBr 25 d		7.00 dB 👄 I						
All 1Pk Max	25 u	8 <b>5</b> WI	32.1 ms 🥃 🕻	<b>76W</b> 3 MHZ	MODE AU	uto Sweep			
10 dBm					M	1[1] 			44.55 dBm 78910 GHz
0 dBm									
-10 dBm—	·D1 -13.00(	J.dBm							
-20 dBm									
-30 dBm									
-40 dBm									M1
والمروية أهادو حرائق	and the second secon	and the state of the second	the mail in the second	Mark and Provident	-halled a ladge to	Data and Marking Lines	to ble Anora Malade	ويعر والعراقية والراب	المراجع المتطلب والم
nga kapanaka <sup>kat</sup> an atka	could be a proposition		n hang pantak di Jamin ang makada	Charles and the state of the	and the production of the particular of the part	a an		i de la des de propietados <sub>en co</sub> ndi <mark>c</mark> ió	
-60 dBm									
-70 dBm									
-80 dBm	GH7			3200	1 nts			Stor	20.0 GHz
	Y			0200		suring			1.12.2016
									11:03:41 //

Date: 11.DEC.2016 11:03:42



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Spectrur	n ]								
	el 22.00 dBm		7.00 dB 👄 R						<u> </u>
Att 1Pk Max	30 dE	SWT	1.1 ms 🔲 🛛	<b>/BW</b> 300 kH	z Mode /	Auto FFT			
					M	1[1]	1		48.76 dBm 5.9420 MHz
10 dBm									
0 dBm									
-10 dBm—	-D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
-40 dBm—									
50 dBm—	la alanaki Masalar	and a state	and help the second second	dimential da sua situa	. 6 land tation and	an		tela Angla anglasilana	M1 T
-60 dBm	[markingenitiken]		n Leiki meriden jaar				"International and a second	his and a standard and a	and the second
-70 dBm—									
Start 30.0	 I MHz			3200	1 pts			Sto	p 1.0 GHz
	][				) Mea	suring (		<b>444</b> 1	11.12.2016 10:41:50 //

#### 6.1.1.3.3 Test Channel = HCH

Date: 11.DEC.2016 10:41:50



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Spectrun	n ]								(₩
Ref Leve Att	l 17.00 dBn 25 df		7.00 dB 👄 I 32.1 ms 👄 '		Modo A	uto Sweep			
o 1Pk Max	20 01	5 681	52.1 ms 🖕		MOUE A	ию эмеер			
10 dBm					M	1[1]			30.36 dBm 10870 GHz
0 dBm									
-10 dBm—	D1 -13.000	) dBm							
-20 dBm—									
-30 dBm			M1						
-40 dBm			مالا المراجع العروم فالمرار	u, La al du dimadia dun	and the second	a a fa a suali di Lati Manana a suali di Lati			
and a later of the state of the		a Laidenna an tar an tar		a parta di kana kanya di kana kana kana kana kana kana kana kan	under T		المردق حرابا فأفأد ويتارك	بالمحار والمقاديان	a Malanta ya kata ang pin Taniha kata ya kata ng pin
-60 dBm						Part of the second s			
-70 dBm—									
-80 dBm				2000	1 ptc				0 10.0 GHz
				3200		curina			10.0 GHZ
					mea	suring			10:52:50

Date: 11.DEC.2016 10:52:50



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Spectrum	ı ]								
Ref Level Att	l 17.00 dE 25 d		7.00 dB 👄   32.1 ms 👄 '		Mode A	uto Sweep			
⊖1Pk Max						I			
10 dBm					M	1[1]			44.59 dBm 22780 GHz
0 dBm									
-10 dBm	D1 -13.00	0 dBm							
-20 dBm——									
-30 dBm									
-40 dBm				1	al. Hilabalaatti 186	M1			
الموليط فعلما واسل	in a faith in the second		المعادة وبالمادين والم				ال <sup>1</sup> المطلقة وطلقة أنهم إلاما مقدمة	hayont na dhairte a' fh	And an address of the second sec
-60 dBm				Ethering control				, ole i adrice	
-70 dBm									
-80 dBm									
Start 10.0	GHz	L	1	3200	1 pts	I	I	Stop	20.0 GHz
	][				Mea	suring		<b>4/4</b> 1	11.12.2016 11:04:03

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



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 Ref Level 22.00 dBm Offset 7.00 dB 👄 RBW 100 kHz 1.1 ms 👄 **VBW** 300 kHz 30 dB SWT Att Mode Auto FFT ●1Pk Max M1[1] -49.63 dBm 810.1740 MHz 10 dBm<sup>-</sup> 0 dBm--10 dBm-D1 -13.000 dBm -20 dBm--30 dBm--40 dBm--50 dBm -60 dBm--70 dBm-Start 30.0 MHz 32001 pts Stop 1.0 GHz 11.12.2016 Measuring... -----10:40:28

Date: 11.DEC.2016 10:40:28



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Spectrun	n )								
	l 17.00 dBr		7.00 dB 👄 I						
Att 1Pk Max	25 dI	B SWT	32.1 ms 👄 🕻	VBW 3 MHZ	Mode At	uto Sweep			
10 dBm					M	1[1] 			29.03 dBm 01180 GHz
0 dBm									
-10 dBm—	D1 -13.000	)_dBm							
-20 dBm—			M1						
-30 dBm—		· · · · · · · · · · · · · · · · · · ·							
-40 dBm—				مىيامىر بارتام رىغىن					
where where the state of the st	an an at company	ليواليا (1999) ويوريون مرجعه ويوريون ويوريون	and the second second	1. Sheet alter alter a	and and a state of the state of		and the strength of the	والمروحين والمالية ومرواني	alarda oo kasada
-60 dBm-						1 <sup>11</sup> 11-11	a partiti ang ang kilika tan king si di bagar		a di bita de la constana de la const
-70 dBm—									
-80 dBm—									
Start 1.0 (	GHz	·		3200	1 pts	·	·	Stop	10.0 GHz
					Mea	suring		4/4	11.12.2016 10:54:05

Date: 11.DEC.2016 10:54:05



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Spectrun	ιÌ								
Ref Level Att	l 17.00 dBr 25 d		7.00 dB 👄 F 32.1 ms 👄 V		Mode A	uto Sweep			
● 1Pk Max	20 4		02121113		Houe A				
10 dBm					M	1[1]			44.23 dBm 62500 GHz
0 dBm									
-10 dBm	D1 -13.000	) dBm							
-20 dBm——									
-30 dBm									
-40 dBm		الس معلقين	n nationalization (at AM	M.		luber, optical and a later	والمراجع والمراجع والمراجع	anna a tha mila ta ka	tente outradite contributi
	ni a constanti in generali da		C Stepson & Constant Street		The second s	dita patricita porte	from the second states	Antonia (philosophics)	han and all the second
-60 dBm									
-70 dBm									
-80 dBm	CH7			3200	1 nts			Ston	20.0 GHz
				3200		suring		-	1.12.2016
(									11:02:48

Date: 11.DEC.2016 11:02:49



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Spectrum	ı )								₩
Ref Level	l 22.00 dBm	Offset 7	'.00 dB 😑 R	<b>BW</b> 100 kH	z				
🗕 Att	30 dB	SWT	1.1 ms 😑 V	<b>′BW</b> 300 kH	z Mode /	Auto FFT			
😑 1Pk Max									
					M	1[1]			49.74 dBm 7.8720 MHz
10 dBm									
0 dBm									
-10 dBm	D1 -13.000	dBm							
-20 dBm									
-30 dBm									
-40 dBm									
-50 dBm	tte dit anderse aver	n cal <sup>la</sup> lat an m	ar della constructione	and and a strength of the	а., <sub>к</sub> Штала, на	M M	a la china an a	and the second	a des de la se <sup>rie</sup> terre de se
all a start a	a dha thà ann an tao tao.	line of the state	Interface (1996) and the second s		and the second sec	la bayan sa	Total Support		andreg ben <sup>blin</sup> tlend juge
-00 übiii									
-70 dBm——									
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
[					Mea	suring (		4/4	11.12.2016 10:40:50 //

#### 6.1.1.4.2 Test Channel = MCH

Date: 11.DEC.2016 10:40:51



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Spectrun	n								
	l 17.00 dBn		7.00 dB 👄 I						
Att 1Pk Max	25 dE	B SWT	32.1 ms 👄 '	VBW 3 MHz	Mode A	uto Sweep			
●1РК Мах				1	0.0	1[1]			28.38 dBm
10 dBm						1[1]			51240 GHz
0 dBm									
o ubiii									
-10 dBm									
	D1 -13.000	) dBm							
-20 dBm—									
20 0011			N11						
-30 dBm—									
50 dbin									
-40 dBm—									
10 dbm		the c	a distant distant	والمعدية المقاورة ومعرف	C. C. M. Martin				
والمتحد والسيالين وال	المراجع المرجع		an a shakara katalara Manalara na	and the second secon	a south and the second second	1. In 199	anne anthrotheorem	والعراقين المالياتين	المعمر أرمار إنكار الكامنان
for a part of the second s	all all a line and have a second						د ما داد میراد ادارد است. می وادو ر	ang salahan pendahat dalam	and Managarahas and a second
-60 dBm									
-70 dBm									
-80 dBm									
Start 1.0 (	l GHz	1		3200	1 pts			lStop	0 10.0 GHz
	Υ					suring		-	11.12.2016
						-			10:53:33 //

Date: 11.DEC.2016 10:53:33



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Spectrun	n ]								
	1 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			4141			
					IVI	1[1]			44.64 dBm 46100 GHz
10 dBm——								19.9	
0 dBm									
-10 dBm—	D1 -13.00								
	DI -13.000								
-20 dBm—									
-30 dBm—									
-40 dBm									
10 dbiii									Mi Linu J
ad a halan feet a selfa	والموطانين والطعارية	alpha la tha air an air	a na ana ana ana ana ana ana ana ana an	الألب وألبتوا وروابه	in the second	ية الفي ويكنا أعاد الع الأسل. مسرح من ويكنا أساد من مشير		նանգրվու վերերու գետ Դուս	
and the second of the second secon	Sector Sectors	the second s		and the second second			and the Contraction of the second	and the second statements of	
-60 dBm—									
-70 dBm—									
-80 dBm—									
Start 10.0	GHz			3200	1 pts			-	20.0 GHz
					Mea	suring		444	11.12.2016 11:02:26

Date: 11.DEC.2016 11:02:27



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Spectrun	n ]								[₩
	el 22.00 dBm		7.00 dB 👄 R						
Att 1Pk Max	30 dE	SWT	1.1 ms 🥃 V	<b>/BW</b> 300 KH	iz Mode .	Auto FFT			
					M	1[1]	1		50.16 dBm 1830 MHz
10 dBm									
0 dBm									
-10 dBm—	-D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
-40 dBm—									
-50 dBm	Maria di kana Mandalahan	denad the second second	a di para di tang ka di di para pang di	الد ما يواد الدفار الما م	e, kawa kitekili kwana akristan	فالقدر الدروة وحراف	Maria da		M1
-60 dBm	n <mark>hanna an tarain an tara</mark>	Parties Pergewiller	toneeder staat gebruik	tangat bisi takang pa	entro et patri de consette	non felen genedeningen	and a property of the	P <sup>ara</sup> b <sub>e</sub> ndonayiktedak	ethogene Soleton
-70 dBm—									
Start 30.0	I MHz			3200	1 pts			Sto	p 1.0 GHz
	)[				) Mea	suring		4/4	1.12.2016 10:41:19 //

#### 6.1.1.4.3 Test Channel = HCH

Date: 11.DEC.2016 10:41:19



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Spectrum	ı ]								
Ref Level Att	17.00 dBm 25 dB		7.00 dB 👄 I 32.1 ms 👄 🎙						
All 1Pk Max	25 UE	5 <b>5</b> WI	32.1 MS 🔳 🤊	YBW 3 MHZ	MODE AU	uto Sweep			
10 dBm					M	1[1] 			30.73 dBm 01300 GHz
0 dBm									
-10 dBm	D1 -13.000	dBm							
-20 dBm—									
-30 dBm			M1						
-40 dBm	han in di simila	ىرىيى بىر بىرىيانلىغە <sup>الىر</sup> ىلەرىيى بىر		ula ja kapitelas kaonstatas	الماليون والماليون الماليون والماليون الم				
A STATE OF A	entra de la companya de la companya La companya de la comp	and the second s				Ind	alation of the filling density		and the second second second
-60 dBm									
-70 dBm									
-80 dBm	Hz			3200	1 pts			Stor	10.0 GHz
						suring			11.12.2016 10:54:44

Date: 11.DEC.2016 10:54:44



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Spectrun	n )								
	l 17.00 dBr		7.00 dB 👄 F		_				
Att	25 dI	B SWT	32.1 ms 😑 🕻	VBW 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max	1		1						
					IVI	1[1]			44.00 dBm 54530 GHz
10 dBm									
0 dBm									
-10 dBm									
TO GDIII	D1 -13.000	) dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									
	يو و و و و و و و و و و و و و و و و و و	اللور ، بالقور ، ان	المراجع والمعالية والمراجع المراجع	فلحور والأحداقان وح	haded to certain the	والمتعادية والمتعادية والمتعادية	والمراجع والمتلا	l la try the stand of the	
a halana mananina a diba		and a strange of the second		Notes In the Design of the Design of the State	ویکر <sub>ی و</sub> و ورون و مخطوط <mark>ان کار</mark>	and the second sec	and the second state of th	Interlay movember approxim	The second states of the secon
-60 dBm									
-70 dBm—									
-80 dBm									
Start 10.0	GHz			3200	1 pts			-	20.0 GHz
					Mea	suring		4/4	11.12.2016 11:02:02

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



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Spectrum	r )								
Ref Level Att	l 22.00 dBm 30 dB			<b>BW</b> 100 kH <b>/BW</b> 300 kH		Auto FFT			
⊖1Pk Max									
					M	1[1]			49.42 dBm 5.2370 MHz
10 dBm									
0 dBm									
-10 dBm									
-20 dBm	D1 -13.000	dBm							
-30 dBm									
-40 dBm									
-50 dBm	lanta panti sa sa	laka <mark>hta</mark> hta ang atala	and all subserve	اسويه فالأقري فأمتا والترا	an populated days	on the last of the last	March Human and		a Malan Manada
-60 dBm	i jaan kan berdiki dada	y han die Staat dae be	ngan (tau) ku dhatapan pi	an para di palmania kat	ne kilon ken kirilin di e	ويبط والطاليس ويسترق	and an and a second	، يحدد أليت البين باللغان ال	a de la companya de La companya de la comp
-70 dBm									
Start 30.0	MHz			3200	1 pts			Sto	p 1.0 GHz
	)[				) Mea	suring (		444	11.12.2016 10:39:58

#### 6.1.1.5 Test Mode = LTE / TM1 15MHz RB1#0 6.1.1.5.1 Test Channel = LCH

Date: 11.DEC.2016 10:39:58



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Spectrur	n ]								
	I 17.00 dBr		7.00 dB 👄						
Att 1Pk Max	25 d	B SWT	32.1 ms 🖷	VBW 3 MHz	Mode At	uto Sweep			
10 dBm					м	1[1]			29.87 dBm 02020 GHz
0 dBm									
-10 dBm—	D1 -13.00	) dBm							
-20 dBm—									
-30 dBm—			M1						
-40 dBm—	and distant an estilated	a and a state of the late of the	, Long Barriston	and a pape of the sp					
	and the street of the state	an particular de la constantion de la c		address to a subscription of	-		andra seggerana segura Al Dal Anan Mana Seria		
-60 dBm—									
-70 dBm—									
-80 dBm— Start 1.0 (	347			3200	1 ntc			Stor	10.0 GHz
	)(			0200		suring			11.12.2016
						ingin			10:56:05

Date: 11.DEC.2016 10:56:06



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Spectrum	ı ]										
Ref Level			Offset								
Att	2	5 dB	SWT	32.1 ms 🛛	e vbw	/ 3 MHz	Mode Au	uto Sweep			
⊖1Pk Max											
							M	1[1]			44.25 dBm
10 dBm									I	19.9	47660 GHz 
0 dBm											
-10 dBm	D1 -13	.000 dE	3m								
-20 dBm											
-30 dBm											
-40 dBm											M
	ى	وي ملح ال	وأقلأ والمحطعاتين وال	وليعط المساور والم	ول المحمد المحمد ما	فالطعن ومعاقلاتها	terrelation Replacements	بالعالى محافظتين ورحاف	ومقاربة والمتحادة والمتحادة والمتح	المتلق وخاصا العر الأمع	and a state of the state of the
provident and the second s			and the second second	These Participan	weed the sec	فتراقب وستقامت		ally and the second	New York Constant	and the strength of the streng	Normal Party of Contract of Co
-60 dBm											
-70 dBm											
-80 dBm											
Start 10.0	GHz			1	I	3200	1 pts	1	1	Stop	20.0 GHz
							Mea	suring		4/4	1.12.2016 11:00:35

Date: 11.DEC.2016 11:00:35



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Spectrum	ן ו								(₩
	l 22.00 dBn		7.00 dB 🥌 R						
Att	30 de	B SWT	1.1 ms 🛑 🎙	<b>′BW</b> 300 kH	z Mode /	Auto FFT			
⊖трк мах						1[1]			48.80 dBm
					171	1[1]			4560 MHz
10 dBm									
0 dBm——									
-10 dBm									
	D1 -13.000	dBm							
-20 dBm—									
-30 dBm——									
-40 dBm									
									M1
-50 dBm		. <u>H</u> I		1.5.11			ta alitar	hu a dala da	lde at the state
al and the lands of the	<sup>1</sup> Jack J (Jacobin Dispar Katak Katak Jampan		hali dagi telepitati Marijati					L	and an and a state of the
-60 dBm							1.5		
-70 dBm——									
Start 30.0	MHz			3200	l 1 pts			l Sta	p 1.0 GHz
	Υ					suring			11.12.2016 10:39:36 //

#### 6.1.1.5.2 Test Channel = MCH

Date: 11.DEC.2016 10:39:37



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Spectrun	ı )								
Ref Leve Att	1 17.00 dBm 25 dB			RBW 1 MHz VBW 3 MHz	R.a				
All 1Pk Max	25 ut	5 5WI	32.1 MS 🔳	VBW 3 MHZ	MODE A	uto Sweep			
10 dBm					M	1[1] 			28.80 dBm 46740 GHz
0 dBm									
-10 dBm—	·D1 -13.000	dBm							
-20 dBm—			M1						
-30 dBm—									
-40 dBm—-				والمعاور ويعد الطالع وحرير والم	ton District Market	a de delativa			
and the state of the	a second to be a second second				destant and a stated a		والمسرو والألفار وأم	A LA LINE AND A COMPANY	والروار الدينية الديني
-60 dBm	hanna tha tha na an <sub>b</sub> uil pitchina					100 <sub>00</sub> 00	tennel and a statistical space filler	in a shirt of the second s	a la <sup>del de</sup> la <sub>la const</sub> a de la const
00 0011									
-70 dBm——									
-80 dBm					1 ntc				
Start 1.0 C	iHŻ			3200				-	10.0 GHz
					Mea	suring		4/4	10:55:25

Date: 11.DEC.2016 10:55:25



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Spectrum	ı ]								
Ref Level Att	17.00 dBr 25 d		7.00 dB 👄 I 32.1 ms 👄 '		Modo A	uto Sweep			
IPk Max	20 0	5 641	52,1 m5 🖕		Mode A	ию эмеер			
10 dBm					M	1[1]			44.12 dBm 27030 GHz
0 dBm									
-10 dBm	D1 -13.000	) dBm							
-20 dBm									
-30 dBm									
-40 dBm									ÍVî.
and and all states of the	(Installer a post of	والرور والمتحقق والمرجعا	العاريق المعرور إلى	and the second stands	al that the ball of the	الطورية الم <sup>الم</sup> ريانية الم	and the summer of	والتربي الكانجي والب	and the second states of the
-60 dBm	ness and a state of the second se		le seguera del apograpio del	an a	and Barrier all for the second se				
-70 dBm									
-80 dBm Start 10.0	GHz			3200	1 pts			Stop	20.0 GHz
	)[]					isuring		-	11.12.2016 11:01:02

Date: 11.DEC.2016 11:01:02



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Spectrun	n								
	l 22.00 dBm		7.00 dB 😑 R						
Att 1Pk Max	30 dB	SWT	1.1 ms 😑 🎙	<b>/BW</b> 300 kH	z Mode /	Auto FFT			
●1РК Мах					M	1[1]			49.66 dBm
					141	1[1]			49.00 UBM ).5410 MHz
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000	dBm							
-20 dBm—									
-30 dBm—									
-40 dBm									
M1									
-50 dBm	L						and units of faith		
-60 dBm	foliotikas da 172. lieta	and an a straight a	and the second	a set en ser a ser a la ser	likoon da kultur fund a	and a final state of the state of	The first stress store		
-70 dBm—									
01-11-00-0					1			01-	
Start 30.0	MHZ			3200					p 1.0 GHz
					Mea	suring (		4/4	10:39:09

#### 6.1.1.5.3 Test Channel = HCH

Date: 11.DEC.2016 10:39:09



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Spectrun	ı ]								
Ref Level Att	l 17.00 dBr 25 d		7.00 dB 👄						
Att 1Pk Max	25 a	B SWI	32.1 ms 🛑	VBW 3 MHz	Mode At	uto Sweep			
10 dBm					M	1[1]			31.73 dBm 91740 GHz
0 dBm									
-10 dBm	D1 -13.000	) dBm							
-20 dBm—									
-30 dBm—			M1						
-40 dBm—				والمراجع والمراجع	and the state of the second state of				
an here his words	المعالمين أوأ والمعراج	en gester Dense frikkele	and the second second second second		Hand Street St	ulline and a state	يسل ومحسله مريسه	والطح والبريج العادات	advallet gent of the
-60 dBm						194 mg.			
-70 dBm									
-80 dBm									
Start 1.0 G	Hz	·	·	3200	1 pts	·	·		10.0 GHz
					Mea	suring		4/4	11.12.2016 10:56:52

Date: 11.DEC.2016 10:56:52



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Spectrun	n ]								
Ref Leve Att		dBm Offse dB SWT	t 7.00 dB 👄	RBW 1 MHz VBW 3 MHz					
All 1Pk Max	25	UB <b>3WI</b>	32.1 MS 👅	VBW 3 MHZ	MODE A	uto Sweep			
10 dBm					M	1[1]			43.77 dBm 70160 GHz
0 dBm									
-10 dBm	D1 -13.0	)00 dBm							
-20 dBm—									
-30 dBm—									
-40 dBm—									M
	na <sup>ma,</sup> duno	In the state of the second	I de la constitution de la	and a superior data with		الاليون بيا الأليون ماليا. مشارك الشروي الم	a particular at	She a hat the providence	A maille and the
-60 dBm									
-70 dBm—									
-80 dBm	GHz			3200	1 pts			Stor	20.0 GHz
	Υ			5200		suring			11.12.2016 11:01:27

Date: 11.DEC.2016 11:01:27



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Spectrum	, T								E
Ref Level Att	22.00 dBm 30 dB			<b>BW</b> 100 kH <b>BW</b> 300 kH		Auto FFT			( -
😑 1Pk Max									
					M	1[1]			49.65 dBm 1530 MHz
10 dBm									
0 dBm									
-10 dBm	D1 -13.000	dDm							
-20 dBm	DI -13.000	abm							
-30 dBm									
-40 dBm									
-50 dBm			n na l				<b>.</b>	<u>.</u>	M1
≚60 <sup>°</sup> dBm <del>**</del>	hi an	nd blen dantalar alem - Arepanje	n haan ay dag	a pilogi sebili pabili pan Angan Kongha (barana)	na yayila salika ili a kuy Kushi sa jina na mahanda Kushi sa jina na mahanda	a han ann an taraigh ann an taraigh Taraightean an taraightean an taraightean an taraightean an taraightean an taraightean an taraightean an taraig			
-70 dBm									
Start 30.0	MU 7			3200	1 ntc			et a	p 1.0 GHz
				3200		suring			1.12.2016 10:37:57

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

Date: 11.DEC.2016 10:37:57



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Spectrur	n ]								
Ref Leve Att	l 17.00 dBn 25 dB		7.00 dB 👄   32.1 ms 👄 '		Modo A	ita Cuisan			
• Att • 1Pk Max	25 ut	0 011	52.1 IIIS 👅		MOUE A	uto Sweep			
10 dBm					M	1[1]			28.56 dBm 02310 GHz
0 dBm									
-10 dBm—	-D1 -13.000	) dBm							
-20 dBm—			M1						
-30 dBm—			*						
-40 dBm—		الألدة لقيقين وروا		المربية والماريم والمالي					المعمدين الرور والانفاعية
	AN TO PROPERTY INTO A DESCRIPTION	na an an an Anna an Ann						ha ya alisha ku ga ili ta daga Mana ya ku alisha ku ga ili ta daga ku alisha ku ga ili ta daga ku alisha ku ga Mana ya ku alisha ku ga alisha ku ga ili ta daga ku ga ili	
-60 dBm—									
-70 dBm—									
-80 dBm				3200	1 ptc				0 10.0 GHz
				3200		isuring			11.12.2016
<u> </u>						-			10:58:26

Date: 11.DEC.2016 10:58:26



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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	1						
					IM	1[1]			44.30 dBm 86720 GHz
10 dBm									
0 dBm——									
-10 dBm—	D1 -13.000	   dBm							
	DI -13,000								
-20 dBm—									
-30 dBm—									
-40 dBm—									MI
					. Lut a .				
A REAL PROPERTY AND A REAL	and the part of the second	A STATE OF A STATE OF A STATE	Langer Company	lining a particulation of the second	ing land any fire pairs		Magalana ang Kiti Kasalang Kasalang Kiti		The sector of the sector
and a second	destand the second stand		and the second	a selected a substance of the selected selected selected as a substance of the selected sel		and and a second	and a second	or without the state of	and the second second
-60 dBm									
00 00.									
-70 dBm—									
-70 ubiii—									
-80 dBm									
Start 10.0	GHZ			3200					20.0 GHz
					Mea	suring		4/4	1.12.2016 11:00:11

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



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Spectrum	n								
	l 22.00 dBm			<b>:BW</b> 100 kH:					`
Att 1Pk Max	30 dB	SWT	1.1 ms 🖷 V	<b>'BW</b> 300 kH:	2 Mode /	Auto FFT			
					м	1[1]			50.04 dBm
						I	1	797 I	7.0790 MHz 
10 dBm									
0 dBm									
-10 dBm	-D1 -13.000	dBm							
-20 dBm	51 -13,000								
-30 dBm									
-40 dBm									
-50 dBm							M1	, 4L.	
halfson an handland	up of the product	al a la constantia de la c	a la sue en la res	d Harakter and Mara	1 F - 1	and the second	dea de la companya de	n de brite à l'ar	All house and
-60 dBm	Part and set for the set	alan papanda	alded to a filled by provide the providence of t	ana ana ana ang ang ang ang ang ang ang	an a	مريد وأيعام المستريب يعرب بمريوات	"Investment of the	a defension de la constance a	an other limited
-70 dBm									
Start 30.0	MHz			32001	L pts			Sto	p 1.0 GHz
(	)[]					suring		<b>4/4</b>	11.12.2016 10:38:19

#### 6.1.1.6.2 Test Channel = MCH

Date: 11.DEC.2016 10:38:20



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N1         N1<	Spectrun	ιÌ								
10 dBm       M1[1]       -29.33 dBm         0 dBm       3.742520 GHz         0 dBm       0       0         -10 dBm       01 -13.000 dBm       0         -20 dBm       01 -13.000 dBm       0         -30 dBm       01 -13.000 dBm       0         -20 dBm       01 -13.000 dBm       0         -30 dBm       0       0         -40 dBm       0       0       0         -40 dBm       0       0       0       0         -60 dBm       0       0       0       0       0         -70 dBm       0       0       0       0       0       0         -80 dBm       0       0 </th <th></th>										
10 dBm	_	25 aB	SWI	32.1 ms 🖷	VBW 3 MHZ	Mode A	uto Sweep			
$ \begin{array}{c} -10  dBm \\ -10  dBm \\ -20  dBm $	_					M	1[1]			
D1 -13.000 dBm       Image: state stat	0 dBm									
-30 dBm       -M       Image: Constraint of the second of the sec		D1 -13.000	dBm							
-30 dBm       - </td <td>-20 dBm—</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-20 dBm—									
-60 dBm	-30 dBm—			N11						
-60 dBm70 dBm	-40 dBm—-					ىغاملۇر. بەرمەتتىلەرن	- http://www.linko			
-70 dBm	Bala all a late	الامريكار أمراد والمراد والمار ومر ومعاملة مريون ومعاملة المراد و	and and phillips of a		te bela per printipa di basi i Gra desenari ministrationi dente			and particular	and the last state of the	manda, miliare
-80 dBm	-60 dBm									
	-70 dBm—									
Start 1.0 GHz         32001 pts         Stop 10.0 GHz		Hz			3200	1 nts			Stor	10.0.6Hz
Stor 1.5 GH2         Stop 10.5 GH2           Measuring         ## 11.12.2016 10:57:42		) (			0200		suring			11.12.2016

Date: 11.DEC.2016 10:57:43



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Spectrun	n								
	l 17.00 dBr		7.00 dB 😑 I						
Att	25 dI	B SWT	32.1 ms 😑 '	VBW 3 MHz	Mode At	uto Sweep			
⊖1Pk Max	1	1	1	1					
					м	1[1]			44.46 dBm
10 dBm								11.3	71360 GHz
0 dBm									
-10 dBm—	D1 -13.000								
-20 dBm—	DI -13.000								
-30 dBm									
-40 dBm	М1								
in the market of the	In the stand	فالأول ومالعه المرادية ال	المراجع المراجع المراجع المراجع	المتلك ومعصله المراجع والارا	tenders hefrighese	فاطري فأصطح والا	a alaa loo ah	anto a defensivo, a set	1994, and and and a state
a de la sector de la destruction de la La destruction de la d	(hadd <sup>ard differen</sup> te and have a		the participation of the second scale of	and the state of the second	allen destandende	and the second	(Indiana and Aller	tigiga, ang addar partilit	
-60 dBm—									
-70 dBm—									
-80 dBm									
Start 10.0	GHZ			3200	1 pts				20.0 GHz
					Mea	suring		4/4	1.12.2016 10:59:49

Date: 11.DEC.2016 10:59:49



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Spectrun	n								₩
	l 22.00 dBm		7.00 dB 😑 R						
Att 1Pk Max	30 dB	SWT	1.1 ms 👄 V	<b>/BW</b> 300 kH	z Mode /	Auto FFT			
UPK Max					M	1[1]			49.82 dBm
						1[1]			9.6370 MHz
10 dBm									
0 dBm									
-10 dBm—	D1 -13.000	dBm							
00 JD	D1 -13,000								
-20 dBm—									
-30 dBm									
-40 dBm—									
-50 dBm									M1
-30 dbm	and a pathons of		وراريا والطافين أليكي					and all the set	and down the Alas
-60 dBm	New particular that have	nalele <sup>C</sup> haldhean	andrei <mark>keiten nä</mark> d	opolitikasi dina tabut	in the conditional defining of a	Constitute production of	The strengton	LANDER	na pentre anti-
-70 dBm—									
					<u> </u>				
Start 30.0	MHz			3200	1 pts				p 1.0 GHz
					Mea	suring			11.12.2016 10:38:42 //

#### 6.1.1.6.3 Test Channel = HCH

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10 dBm       3.782460 GH         0 dBm	Spectrun	ιÌ								
• 1Pk Max         • 11         • 31.88 dBi           10 dBm										
10 dBm	_	25 ai	S SWI	32.1 ms 🛑 י	VBW 3 MHZ	Mode At	uto Sweep			
-10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -70						M	1[1] 			31.88 dBm 82460 GHz
D1     -13.000 dBm	0 dBm									
-30 dBm	-10 dBm—	D1 -13.000	) dBm							
-40 dBm -40 dBm -60 dBm -70 dBm	-20 dBm—									
-60 dBm	-30 dBm			M1						
-70 dBm	-40 dBm	. 1.146	المحرج والمقار الإربين والمع	A Contractor for the last set						
-70 dBm	The second states and a second state of the second states and a se		a and a state of the	and the second				a di terre di Diveni di pandana ny diversi di terre di second		
	-60 dBm									
	-70 dBm—									
-80 dBm Start 1.0 GHz 32001 pts Stop 10.0 GHz	-80 dBm	Hz			3200	1 nts			Stor	10.0 GHz
Measuring 11.12.2016		Ϋ́			5200		suring			11.12.2016

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Spectrun	n								
	l 17.00 dBr		7.00 dB 👄 I						
Att 1Pk Max	25 d	B SWT	32.1 ms 🖷 🎙	VBW 3 MHZ	Mode Au	uto Sweep			
UPK Max					M	1[1]			44.10 dBm
10 dBm						1[1]			58280 GHz
0 dBm									
o abiii									
-10 dBm—									
-10 0600	D1 -13.000	)_dBm							
-20 dBm—									
-20 0011									
-30 dBm—									
-30 ubiii									
-40 dBm—									
-40 0011									
بالقرر أيطيقه والمعلوم	and the second second	المعررة والأسلية ومراء	In the second	and the strength of the streng	معادر والسالية الطاطرة المالية.	and the strengther	and the second state	Referendet der einer	A DESCRIPTION OF THE OWNER
a Ngadada Angala	The second second second	a second second second	alled a station is the set	Manual and States	Mitterfilms ignitional to		hand difference at the Party	international descent and other	and particular and the particular of the
-60 dBm—									
-00 abiii									
-70 dBm—									
-70 ubiii									
-80 dBm									
-80 ubiii Start 10.0	CH2			3200	1 ntc			Ston	20.0 GHz
				3200					1.12.2016
					Mea	isuring		<b>6</b> 70	10:59:26

Date: 11.DEC.2016 10:59:26



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### 7 Field Strength of Spurious Radiation

### 7.1 For LTE

#### 7.1.1 Test Band = LTE band2

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

#### 7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1122.000	-66.90	-13.00	53.90	Vertical
1287.000	-66.71	-13.00	53.71	Vertical
1628.000	-65.43	-13.00	52.43	Vertical
1144.000	-67.53	-13.00	54.53	Horizontal
1826.000	-63.33	-13.00	50.33	Horizontal
2296.000	-59.38	-13.00	46.38	Horizontal

#### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1529.000	-66.64	-13.00	53.64	Vertical
3877.500	-68.73	-13.00	55.73	Vertical
5340.000	-67.65	-13.00	54.65	Vertical
1408.000	-67.40	-13.00	54.40	Horizontal
2584.000	-58.69	-13.00	45.69	Horizontal
4950.000	-67.00	-13.00	54.00	Horizontal

#### 7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
2013.000	-63.16	-13.00	50.16	Vertical
2592.000	-58.23	-13.00	45.23	Vertical
6802.500	-66.10	-13.00	53.10	Vertical
4365.000	-68.12	-13.00	55.12	Horizontal
6217.500	-66.25	-13.00	53.25	Horizontal
8655.000	-65.24	-13.00	52.24	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
			TN	VL	-3.54	-0.00190	PASS
		LCH		VN	1.23	0.00066	PASS
				VH	-5.03	-0.00270	PASS
				VL	2.45	0.00130	PASS
	LTE/TM1 20MHz	MCH	TN	VN	-1.84	-0.00098	PASS
				VH	2.22	0.00118	PASS
		НСН		VL	-2.51	-0.00132	PASS
			TN	VN	-5.17	-0.00272	PASS
LTE band?				VH	-1.29	-0.00068	PASS
LTE band2		LCH	TN	VL	-3.48	-0.00187	PASS
				VN	-2.63	-0.00141	PASS
				VH	-3.86	-0.00208	PASS
				VL	1.57	0.00084	PASS
	LTE/TM2 20MHz	MCH	TN	VN	-2.61	-0.00139	PASS
				VH	2.59	0.00138	PASS
		нсн		VL	-2.58	-0.00136	PASS
			TN	VN	-3.47	-0.00183	PASS
				VH	1.51	0.00079	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	-1.04	-0.00056	PASS
				-20	-1.82	-0.00098	PASS
				-10	2.28	0.00123	PASS
				0	2.72	0.00146	PASS
		LCH	VN	10	1.38	0.00074	PASS
				20	1.31	0.00070	PASS
				30	-0.31	-0.00017	PASS
				40	-2.14	-0.00115	PASS
				50	4.29	0.00231	PASS
				-30	-3.80	-0.00202	PASS
		МСН		-20	-3.17	-0.00169	PASS
				-10	-6.23	-0.00331	PASS
				0	-4.92	-0.00262	PASS
LTE band2	LTE/TM1 20MHz		VN	10	-2.07	-0.00110	PASS
				20	-6.14	-0.00327	PASS
				30	-5.26	-0.00280	PASS
				40	-3.62	-0.00193	PASS
				50	-6.90	-0.00367	PASS
				-30	1.84	0.00097	PASS
				-20	-3.29	-0.00173	PASS
				-10	1.38	0.00073	PASS
				0	-2.52	-0.00133	PASS
		HCH	VN	10	2.17	0.00114	PASS
				20	-1.52	-0.00080	PASS
				30	-2.37	-0.00125	PASS
				40	-5.32	-0.00280	PASS
				50	-6.97	-0.00367	PASS



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				·	-age.		
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-1.47	-0.00079	PASS
				-20	-2.05	-0.00110	PASS
				-10	3.48	0.00187	PASS
				0	2.14	0.00115	PASS
		LCH	VN	10	1.63	0.00088	PASS
				20	-0.23	-0.00012	PASS
				30	-3.44	-0.00185	PASS
				40	5.04	0.00271	PASS
				50	6.69	0.00360	PASS
		МСН		-30	-3.34	-0.00178	PASS
			VN	-20	-5.14	-0.00273	PASS
				-10	-7.13	-0.00379	PASS
	LTE/TM2 20MHz			0	-4.37	-0.00232	PASS
LTE band2				10	-0.84	-0.00045	PASS
				20	1.42	0.00076	PASS
				30	-3.69	-0.00196	PASS
				40	-2.44	-0.00130	PASS
				50	-3.47	-0.00185	PASS
				-30	1.31	0.00069	PASS
				-20	-2.35	-0.00124	PASS
				-10	1.58	0.00083	PASS
				0	-4.23	-0.00223	PASS
		HCH	VN	10	2.81	0.00148	PASS
				20	-1.57	-0.00083	PASS
			-	30	-2.59	-0.00136	PASS
				40	-5.38	-0.00283	PASS
				50	-6.30	-0.00332	PASS

The End