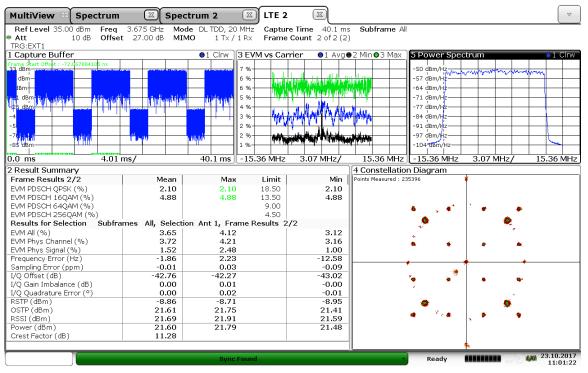
Att 10 dB Offset TRG:EXT1	3.675 GHz Mode 27.00 dB MIM	DL TDD, 20 Mi							
Att 10 dB Offset TRG:EXT1				e Time 40.1 ms	s Subframe A				
				Count 2 of 2 (2					
					,				
l Capture Buffer		01 Clrw 3 E	EVM vs Car	rier 🛛 🌖 Avg	■2 Min ●3 Max	5 Power Spec	trum		●1 Clrw
rame Start Offset : -72.132706919 ns		<u> </u>							
33 dBm		7 9		1 h	L au	-50 dBm/Hz	mound	monor	N
dBm-				19 8 ' ''' (11 1 7 1					
dBm - Imm				CARAGE & ALLER LADIN	N N N N N N N N N N N N N N N N N N N	-64 dBm/Hz			
dBm to the data of	t think we will be a set of the	<mark>ាក់កំណែ</mark> ង 5 %	×	1 Contraction	1 100	-71 dBm/Hz			
25 dBm		4 9	%	Ale And A Ale	Maria	-77 dBm/Hz			+
-4			% 			-84 dBm/Hz			
-5		2 9	% * * *		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-91 dBm/Hz			
-7 <mark>Honeya</mark> bardin	และสมย์ เป็	Alim 2 9	% 	and the second	a historia	-97 dBm/Hz		+	
-85 dBm	PERSONAL PROPERTY OF	19	% 	فأطرا وبديدة وبرط انامان الكب بدكاه	100 Burlin 1	-104 dBm/Hz-			~~~~
0.0 ms 4.01 m	is/	40.1 ms -1	15.36 MHz	3.07 MHz/	1	-15.36 MHz	3.07 MHz	/ 1	5.36 MHz
2 Result Summary					4 Constellatio				
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	35396	*		
EVM PDSCH QPSK (%)	2.19	2.19	18.50	2.19					
EVM PDSCH 16QAM (%)	4.91	4.91	13.50	4.91					
EVM PDSCH 64QAM (%)			9.00			a . a*	· · ·	- 20	
EVM PDSCH 256QAM (%)			4.50						
Results for Selection Subfram			e Results 2						
EVM All (%)	3.69	4.16		3.17				5 - C	
EVM Phys Channel (%)	3.77	4.26		3.20					
EVM Phys Signal (%)	1.59	2.56		1.15				-	
Frequency Error (Hz)	2.19	6.56		-7.48				*	
Sampling Error (ppm)	-0.01	0.04		-0.09			T		
I/Q Offset (dB)	-42.75	-42.28		-43.05		້ວ ຈື່	•		
I/Q Gain Imbalance (dB)	0.00	0.00		-0.00		i i i		-	
I/Q Quadrature Error (°)	0.01	0.02		-0.02				4	
RSTP (dBm)	-8.87	-8.72		-8.96		۵.	. 🧕	6 - C	
OSTP (dBm)	21.59	21.74		21.40		a 1. 1. 4			
RSSI (dBm)	21.68	21.90		21.58			3	-	
Power (dBm)	21.59	21.78		21.46					
Crest Factor (dB)	11.21						1		
					ال		*		
		Sync Fou	und			Ready		1)0	23.10.2017 11:01:06

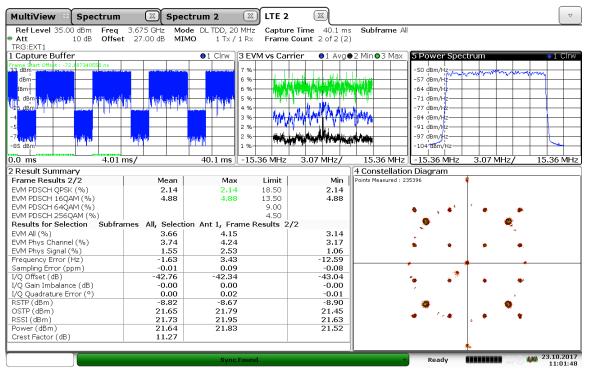
11:01:06 23.10.2017



11:01:23 23.10.2017

MultiView 🕮 Spectrum	🖾 Spectr	um 2 (LTE 2	X				
Ref Level 35.00 dBm Freg	3.675 GHz Mode	DL TDD, 20 MI	 ⊣z Captur	e Time 40.1 ms	s Subframe A			
	t 27.00 dB MIMO			Count 2 of 2 (2)				
TRG:EXT1		,			,			
1 Capture Buffer		01 Clrw 31	EVM vs Car	rier 🛛 🌖 Avg 🕻	2 Min O3 Max	5 Power Spec	trum	●1 Cl
Frame Start Offset : -72.155842190 ns		l li a						
33 dBm	and a statistical Destances	7		. 1 . A. I.	L L L L L	-50 dBm/Hz	man man	warman wing
dBm-		- 6		का र जिल्लाक का विविध्य		or dominic		
IBm		- 6		College Billion Columb		-64 dBm/Hz		
nit dBm har ann ann ann ann ann ann ann ann ann a	in shini yetili bi	<mark>ារដល់ដែរដែរ</mark> 5 ។	% 1			-71 dBm/Hz		
-25.dBm		4	%	MUM MAN AN	Mart .	-77 dBm/Hz		
-4		3	% /////		M MA	-84 dBm/Hz		
-5		2	» – " "			-91 dBm/Hz		
-7 <mark>4 // imp</mark>	- Marin in	2	% ////// /	ويتعلقه الأرابيه السابقي	عشادان	-97 dBm/Hz		
-85 dBm	- 1990 - 1		» пт я	والسيندين وينه العديمة يبغله		-104 0Bm/Hz-		
0.0 ms 4.01	ms/	40.1 ms	15.36 MHz	3.07 MHz/	N/	-15.36 MHz	3.07 MHz/	/ 15.36 M
2 Result Summary					4 Constellatio			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2	35396	¥	
EVM PDSCH QPSK (%)	2.16	2.16	18.50	2.16				
EVM PDSCH 16QAM (%)	4.88	4.88	13.50	4.88				
EVM PDSCH 64QAM (%)			9.00			a . *`	* •	
EVM PDSCH 256QAM (%)			4.50					
Results for Selection Subfra			e Results 2				×	
EVM All (%)	3.67	4.14		3.19				с
EVM Phys Channel (%)	3.75	4.24		3.23			•	
EVM Phys Signal (%)	1.58	2.53		1.14				
Frequency Error (Hz)	0.10	4.64		-10.20				*
Sampling Error (ppm)	-0.01	0.05		-0.08]	
I/Q Offset (dB)	-42.76	-42.33		-42.98		ిం లో		
I/Q Gain Imbalance (dB)	0.00	0.00		-0.00		- 4		
I/Q Quadrature Error (°)	0.00	0.02		-0.01				ь.
RSTP (dBm)	-8.82	-8.67		-8.90		*	0	
OSTP (dBm)	21.64	21.79		21.45		a 6.a	1	•
RSSI (dBm)	21.73	21.95		21.63		-	8	7
Power (dBm)	21.64	21.83		21.52				
Crest Factor (dB)	11.27				1			
							*	23.10.20
		Sync For	und			Ready		

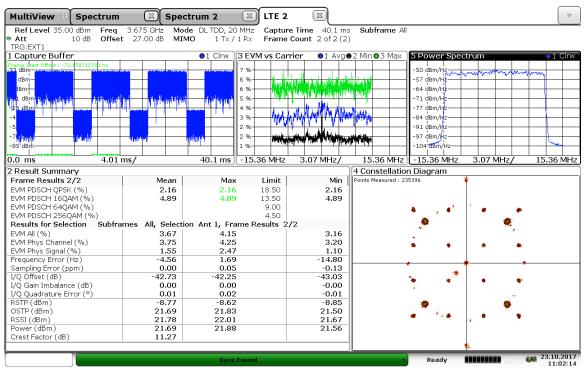
11:01:38 23.10.2017



11:01:48 23.10.2017

MultiView 🕮 Spectrum	🖾 Spectr	um 2 (LTE 2	X				
Ref Level 35.00 dBm Freg	3.675 GHz Mode	DL TDD, 20 MI	Hz Captur	e Time 40.1 ms	s Subframe A			
	t 27.00 dB MIMO			Count 2 of 2 (2				
TRG:EXT1				•	-			
1 Capture Buffer		01 Clrw 31	EVM vs Car	rier 🛛 🌖 Avg	2 Min O3 Max	5 Power Spec	trum	●1 Clrv
Frame Start Offset : -72.120045047 ns		7				50 d0 - // -		
33 dBm				Let il and the second	La sul	-50 dBm/Hz	mannen	mound
dBm-		- 6		ab a , an alate , a a		or domyric		
iBm+		- 6		a kini da diki dalam di majak	Au rischer der	-64 dBm/Hz		
n 1 dBm na na hinn dh	in dini di	<mark>អូរ៉ូចំនួលរ</mark> ង 5 ។				-71 dBm/Hz		
"25_dBm"		4		ALL AND AN AM	Alan	-77 dBm/Hz		
-4			% (\\\\)	A MARKAN MARKAN A MA	M M M	-84 dBm/Hz		
-5		2	» / / Y			-91 dBm/Hz		
-74/http://	Relation by	2	× 100	a the first of the second		-97 dBm/Hz		
-85 dBm		19	×	أهلؤك يوادى الدينان فالم	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-104 dBm/Hz		- <u>-</u>
0.0 ms 4.01	mal	40.1 ms -1	5.36 MHz	3.07 MHz/	15.26 MU-	-15,36 MHz	3.07 MHz/	15,36 MH
	msy	40.1 ms j(-1	13.30 1411 12	3.07 MI127	4 Constellatio	<u> </u>	3.07 MI12/	13,30 1411
2 Result Summary		N	1 1	N.41	Points Measured : 2			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2:	12390	*	
EVM PDSCH QPSK (%)	2.13	2.13	18.50	2.13				
EVM PDSCH 16QAM (%)	4.89	4.89	13.50	4.89				
EVM PDSCH 64QAM (%)			9.00 4.50			- 🍇 🔍 🔹 👘	i 👲	*
EVM PDSCH 256QAM (%) Results for Selection Subfra	All Colorian	4		10		6		
			Results Z			S. 199	1.	
EVM All (%)	3.66	4.13		3.15		*		
EVM Phys Channel (%)	3.74	4.22		3.18		8 👂		4 1
EVM Phys Signal (%)	1.55	2.51 6.65		-9,62				
Frequency Error (Hz)	-0.00	0.05		-9.6Z -0.07		*	•	*
Sampling Error (ppm) I/O Offset (dB)	-42.77	-42.33		-0.07 -43.08				
I/O Gain Imbalance (dB)	-42.77	-42.33		-43.08		😻 😽 🦉	*	\$ *
I/Q Quadrature Error (°)	0.00	0.00		-0.00		P		
RSTP (dBm)	-8,80	-8,65		-8,89				
OSTP (dBm)	21.66	21.80		21.47		W .		
RSSI (dBm)	21.75	21.00		21.64		AL 1944		V
Power (dBm)	21.66	21.84		21.53			1	
Crest Factor (dB)	11.25	_1.0.		21.00				
	, , , , , , , , , , , , , , , , , , , ,				1		4	
		Sync Fo	und		/3	Ready		23.10.201
		Sync Fu	inu			Reauy	R.(F)	11:01:5

11:01:59 23.10.2017

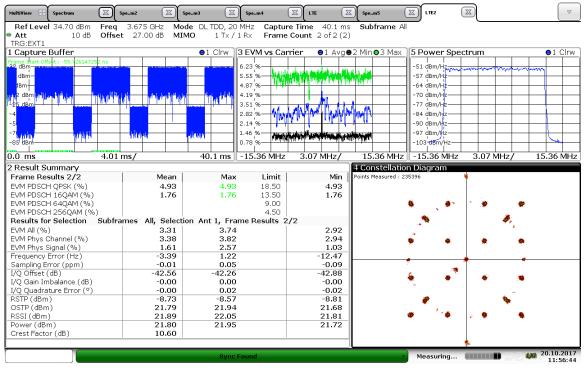


11:02:15 23.10.2017

MultiView 🔠 Spectrum 🛛 🖾 S	pem2 🖾 Spe.	.m3 🕅	Spem4	🛛 іп 🛛	Spem5	1 TE 2	X	\bigtriangledown
		DL TDD, 20 M		eTime 40.1 ms		=		
	27.00 dB MIM	D 1 Tx / 1	Rx Frame	Count 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3	EVM vs Cari	rier 🛛 🌖 Avg 🗲	2 Min O3 Max	5 Power Spe	ectrum	O1 Clrw
Frame Start Offset : -55.753361039 ns						Ed. doug (Lin		
32 dBm			23 %	يقيف أبد المقبلية لارتبع الأليلي فر	4.1.1.4	-51 dBm/Hz		- Vinner
dBm-			55 %			-1 -57 aBm/Hz		
iBm—			87 %			64 dBm/Hz		
n 2 dBm at in this			19 %			70 dBm/Hz		
125.dBm			51 %	ALC: NO DE LE	AL. MA	77 dBm/Hz		
-4	·	2.	82 %			-84 dBm/Hz		
-51		2.	14 %		1.11.	90 dBm/Hz		
-71		1.	46 %			97 dBm/Hz-		
-85 cBm	Minor Ma	140701	78 %		114441	-103 dBm/Hz-		
0.0 ms 4.01 r	ms/	40.1 ms	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellation			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2	35396	*	
EVM PDSCH QPSK (%)	4.92	4.92	18.50	4.92				
EVM PDSCH 16QAM (%)	1.73	1.73	13.50	1.73				
EVM PDSCH 64QAM (%)			9.00			🐞 🐠 👘	- 1 🐲 🛛 🛊	b
EVM PDSCH 256QAM (%)			4.50			1 <u>k</u>		
Results for Selection Subfra	mes All, Selection	n Ant 1, Fram	e Results 2,	2		N		
EVM All (%)	3.30	3.73		2.92			* ·	
EVM Phys Channel (%)	3.36	3.81		2.97		<u>.</u>		
EVM Phys Signal (%)	1.58	2.53		1.07				
Frequency Error (Hz)	-6.00	-1.67		-17.00			1	
Sampling Error (ppm)	-0.02	0.02		-0.06			1	
I/Q Offset (dB)	-42.54	-42.29		-42.87		[®]		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		🦉 🖉		8
I/Q Quadrature Error (°)	-0.00	0.02		-0.02				
RSTP (dBm)	-8.78	-8.63		-8.87		#		
OSTP (dBm)	21.74	21.88		21.63				
RSSI (dBm)	21.83	22.00		21.75		🧳 🤅 🖓	- 👔 🧶 📢)
Power (dBm)	21.75	21.90		21.66				
Crest Factor (dB)	10.59							
		Sync Fo	d			Measuring	former and see of	20.10.2017
		Sync Fo	und			Measuring	REF	11:56:04

C

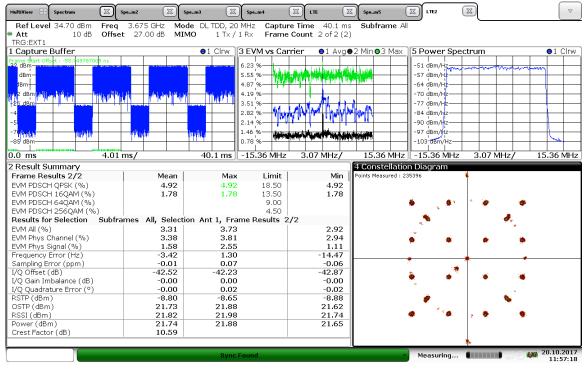
11:56:04 20.10.2017



11:56:45 20.10.2017

Multi¥iew 🔠 Spectrum	Spem2 X Spen	3	Spem4	X LTE X	Spem5	LTE2	X	
Ref Level 34.70 dBm Freq Att 10 dB Offse	3.675 GHz Mode t 27.00 dB MIMO	DL TDD, 20 M		eTime 40.1 ms Count 2 of 2 (2)		I		
TRG:EXT1	1 27.00 UD MIMO	1 1 X / 1 F	C Frame	$\operatorname{Count}_{\geq 01 \geq (\geq)}$				
1 Capture Buffer		●1 Clrw 3	EVM vs Car	rier o l Ava f	2 Min • 3 Max	5 Power Spe	rtrum	●1 Clrw
Frame Start Offset : -55.d92233047 ns dBm IBm IBm IBm IBm IBm IBm IBm I			23 %			-51 dBm/Hz -57 dBm/Hz -64 dBm/Hz -70 dBm/Hz	warren han	300000
25, 48m		2. 2.	51 % 82 % 14 % 46 % 78 %			-77 dBm/Hz -84 dBm/Hz -90 dBm/Hz -97 dBm/Hz -103 dBm/Hz		
0.0 ms 4.01	ms/	40.1 ms -1	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio	n Diagram	· · · ·	
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2		*	
EVM PDSCH OPSK (%)	4.93	4.93	18.50	4.93				
EVM PDSCH 160AM (%)	1.77	1.77	13.50	1.77				
EVM PDSCH 640AM (%)			9.00			6 8 *	🔹 🧑 🐞	
EVM PDSCH 2560AM (%)			4.50			T (* 1	1 T T	
Results for Selection Subfra	ames All, Selection	Ant 1, Frame		/2		*		
EVM All (%)	3.31	3.73		2.93		×	*	
EVM Phys Channel (%)	3.38	3.81		2,99		A A		
EVM Phys Signal (%)	1.59	2.65		1.12		*	- · · · · · · · · · · · · · · · · · · ·	
Frequency Error (Hz)	-3.38	1.18		-15.10				
Sampling Error (ppm)	-0.01	0.03		-0.08			1	
I/O Offset (dB)	-42.54	-42.26		-42.87		<u>ال</u> ال		
I/O Gain Imbalance (dB)	-0.00	0.00		-0.00		*	8	
I/Q Quadrature Error (°)	-0.00	0.02		-0.02		*		
RSTP (dBm)	-8.83	-8.68		-8.92		ø	A	
OSTP (dBm)	21.69	21.84		21.59			T	
RSSI (dBm)	21.79	21.95		21.70		۵ کې د	🕞 😻 🛛 🕈	
Power (dBm)	21.70	21.85		21.61				
Crest Factor (dB)	10.58							
							*	
		Sync Fo	und			Measuring		20.10.2017 11:57:00

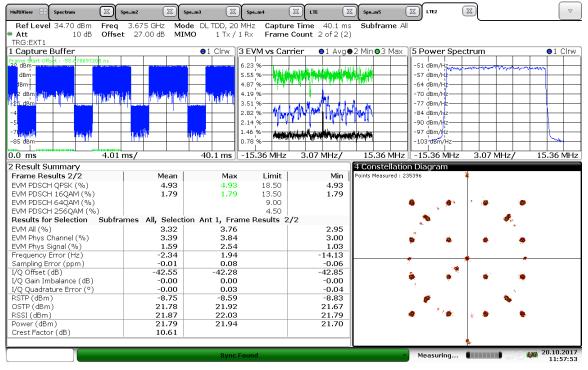
11:57:01 20.10.2017



11:57:19 20.10.2017

MultiView 🔠 Spectrum	Spem2 Sped	m3 🕅 S	pem4 (X LTE X	Spem5	LTE2	X	
RefLevel 34.70 dBm Freq		DL TDD, 20 MH		eTime 40.1 ms				
	et 27.00 dB MIMC	1 Tx / 1 R	× Frame	Count 2 of 2 (2))			
TRG:EXT1				-				
1 Capture Buffer		●1 Clrw 3 E	VM vs Car	rier 💿1 Avge	2 Min O 3 Max	5 Power Spe	ctrum	●1 Clrw
Frame Start Offset : -55.20761959 ns 22 dBm dBm tBm tBm		5.5 4.6 4.1 3.5 2.6 2.1 1.4	9 % 1 % 2 % 4 %			-51 dBm/H2 -57 dBm/H2 -64 dBm/H2 -70 dBm/H2 -77 dBm/H2 -84 dBm/H2 -90 dBm/H2 -97 dBm/H2 -103 dBm/H2		
0.0 ms 4.01	mel	40.1 ms -1	5,36 MHz	3.07 MHz/	15,36 MHz	-15,36 MHz	3.07 MHz/	15.36 MHz
	шау	40.1 ms [-1	5.50 14112	3.07 141127			3.07 MI127	15,50 MHZ
2 Result Summary	I				4 Constellatio			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2	35396	1	
EVM PDSCH QPSK (%)	4.93	4.93	18.50	4.93				
EVM PDSCH 16QAM (%)	1.76	1.76	13.50	1.76			1 A.	
EVM PDSCH 64QAM (%)			9.00			🐥 💡 👰 🥐 👘	- 1° 🖉 🛛 🕫	•
EVM PDSCH 256QAM (%)			4.50	<i>(</i> 0			A	
Results for Selection Subfr		•	Results 2,			1. A		
EVM All (%)	3.31	3.73		2.94		\w.		
EVM Phys Channel (%)	3.38	3.81		2.96		۰ ک		¥
EVM Phys Signal (%)	1.61	2.61		1.12				
Frequency Error (Hz)	-2.68	1.56		-13.87		*		*
Sampling Error (ppm)	-0.01	0.04		-0.06		- 1986		
I/Q Offset (dB)	-42.54	-42.23		-42.92		🍝 🚡		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.01		54 C		
I/Q Quadrature Error (°)	0.00	0.04		-0.02		14	×	
RSTP (dBm)	-8.78	-8.63		-8.87		?	\$	
OSTP (dBm)	21.74	21.89		21.64		يعره في بعد	<u>_</u>	
RSSI (dBm)	21.84	21.99		21.76		**	1 🐔 🏁 🛛 📲	
Power (dBm)	21.75	21.90		21.66				
Crest Factor (dB)	10.57							
		Svnc Fou	und.			Measuring	*	20.10.2017
		- ayne Fuu				Measuring	REF	11:57:34

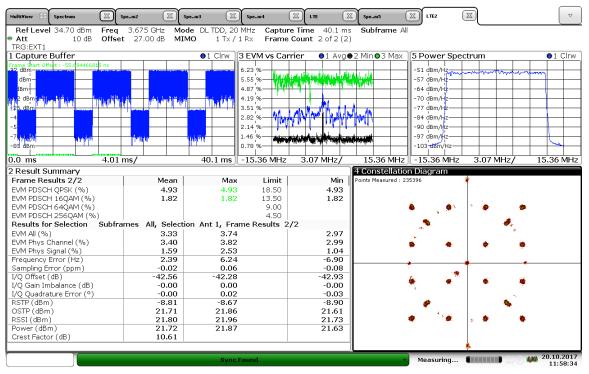
11:57:35 20.10.2017



11:57:54 20.10.2017

Multi¥iew 呂 Spectrum 🔀 Sp	oem2 🔣 Spe	m3 🕅 S	ipem4 (Х сте 🛛	Spem5	LTE2	X	
RefLevel 34.70 dBm Freq	3.675 GHz Mode	DL TDD, 20 MH	lz Captur	e Time 40.1 ms	Subframe Al			
Att 10 dB Offset	27.00 dB MIMC	1 Tx/1 R	× Frame	Count 2 of 2 (2)				
TRG:EXT1								
l Capture Buffer		●1 Clrw 3 E	EVM vs Car	rier 🛛 🌖 Avg 🗲	2 Min 🛛 3 Max	5 Power Spe	ctrum	●1 Clrw
rame Start Offset : -55.74321804L ns						54 db- //		
32 dBm			23 %	القطر والقر ومقتار الروم أوردو فتقريهم	فنغل وأباد	-51 dBm/Hz	men hand haven	mon
dBm-			55 %	al paint fails and searches	A 1.40	-57 0611/14		
dBm+			37,%			-64 dBm/Hz		
n 2 dBm <mark>ini i na hrunna a</mark> hrinn dhan a	ik niti indi indi i	1 1 1 1 1 1 1 1 1	19,%			-70 dBm/Hz		
25.dBm		3.5	51 %	All Marsh & Alla	as 👘	-77 dBm/Hz		
-4		2.8	32 % 1 M			-84 dBm/Hz		
-5		2.1	14 %		<u> </u>	-90 dBm/Hz		
-7 <mark>MH4M</mark>	naute the	Jani 1.4	6 %	and the second states in such	and the second s	-97 dBm/Hz		
-85 dBm		0.7	8 % 8'%		(U) 7 (R) (V)	-103 uBm/Hz-		
		10.1						15.06 1411
0.0 ms 4.01 n	ns/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	35396	*	
EVM PDSCH QPSK (%)	4.93	4.93	18.50	4.93				
EVM PDSCH 16QAM (%)	1.77	1.77	13.50	1.77			1.1.1	
EVM PDSCH 64QAM (%)			9.00			۰ 🛸 🦫	1 🦉	÷
EVM PDSCH 256QAM (%)			4.50			<u> </u>		
	mes All, Selection		Results 2					
EVM All (%)	3.32	3.74		2.95			1	
EVM Phys Channel (%)	3.38	3.82		3.01		۵ 🔬		
EVM Phys Signal (%)	1.60	2.63		0.95				
Frequency Error (Hz)	-1.98	2.35		-12.45				*
Sampling Error (ppm)	-0.01	0.05		-0.09		с (Ж.	T	
I/Q Offset (dB)	-42.52	-42.19		-42.83		â a [®]		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		T	-	
I/Q Quadrature Error (°)	-0.00	0.03		-0.03		1.4	×	
RSTP (dBm)	-8.83	-8.68		-8.92		#	· · · · · · · · · · · · · · · · · · ·	
OSTP (dBm)	21.69	21.84 21.95		21.58		a 8.74		*
RSSI (dBm) Power (dBm)	21.79 21.70	21.95		21.70 21.61		* *	ð 💌	*
Crest Factor (dB)	10.60	21.85		21.01				
Crest Factor (ub)	10.60						1	
					L		*	00 10 0017
		Sync Foi	ind			Measuring		20.10.2017

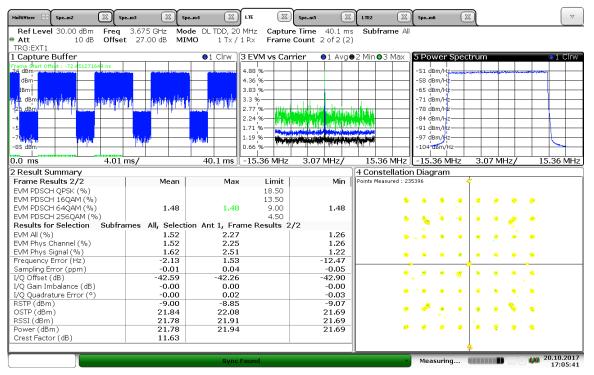
11:58:11 20.10.2017



11:58:34 20.10.2017

MultiView 🕄 Spem2 🛛 🕅 Spe.	m3 🕅 Spem	4 🖾 U	re 🕱	Spem5	LTE2	Spem6	X	\bigtriangledown
		DL TDD, 20 M		e Time 40.1 ms		•		
	27.00 dB MIMO	1 Tx / 1 F	🛚 🗠 🕹	Count 2 of 2 (2)			
TRG:EXT1								
Capture Buffer		●1 Clrw 3	EVM vs Car	rier Ol Avg	2 Min • 3 Max	5 Power Spec	trum	●1 Clrw
rame Start Offset : -72.439824805 ns 34 dBm		4.1	88 %			-51 dBm/Hz		
dBm-			36 %			-58 dBm/Hz		
dBm			83 %			-65 dBm/Hz		
the store of the second s	a second last		3 %			-71 dBm/Hz		
11 dBm <mark>anin (1997) - Dinn (1997)</mark>	I AMARTIN							
25,dBm	and the second s		77 %	and the share of the second second	The second second	-78 dBm/Hz		
-4			24 %	and dial firm an difficult	Alle, Junt.	-84 dBm/Hz		
5.			71 %	a series i series a s	and the second s	-91 dBm/Hz		
-74 High A	daliti in the state	1.	19 %	Anna Millio also de l'Anna Anna Anna Anna Anna Anna Anna Anna		-97 dBm/Hz		
-85 dBm		 0.1	66 %	the set of a low of a	. 10 1	-104 dBm/Hz-		
0.0 ms 4.01 n	ns/	40.1 ms -1	15.36 MHz	3.07 MHz/	15.36 MHz	-15,36 MHz	3.07 MHz/	15.36 MHz
Result Summary	,			,	4 Constellatio	<u> </u>		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23		*	
EVM PDSCH QPSK (%)	Mean	Max	18.50	1.111			ſ	
EVM PDSCH 16QAM (%)			13.50					
EVM PDSCH 64QAM (%)	1.48	1.48	9.00	1,48				· ·
EVM PDSCH 2560AM (%)	1,40	1,40	4.50	1,40		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Results for Selection Subfrar	mes All, Selection	Ant 1, Frame		/2	H 🗧	- 🏂 📩 👘	1 * * 🦿	*
EVM All (%)	1.52	2.27		1.22				~
EVM Phys Channel (%)	1.51	2.25		1.22	- ·	· · · ·		· ·
EVM Phys Signal (%)	1.59	2,47		1.13				
Frequency Error (Hz)	-1.60	2,57		-12.17	· ·			. <mark>*</mark>
Sampling Error (ppm)	-0.02	0.05		-0.12			The second	
I/O Offset (dB)	-42.56	-42.33		-42.82		2 📍 💌 👘	1 · · · · ·	*
I/O Gain Imbalance (dB)	-0.00	0.00		-0.00			· · · · · · · · · · · · · · · · · · ·	
I/Q Quadrature Error (°)	-0.00	0.02		-0.02	. •	1 🤨 🐥 🖗	* * 🍨	-
RSTP (dBm)	-8.93	-8.79		-9.01				
OSTP (dBm)	21.90	22.14		21.75	II *	- 🗶 🔮	* * [*]	-
RSSI (dBm)	21.84	21.97		21.75			3	
Power (dBm)	21.84	22.00		21.75	*	- 🐔 🍝 👻	8 8 8	1
Crest Factor (dB)	11.60						<u>]</u>	
							*	20.10.2017

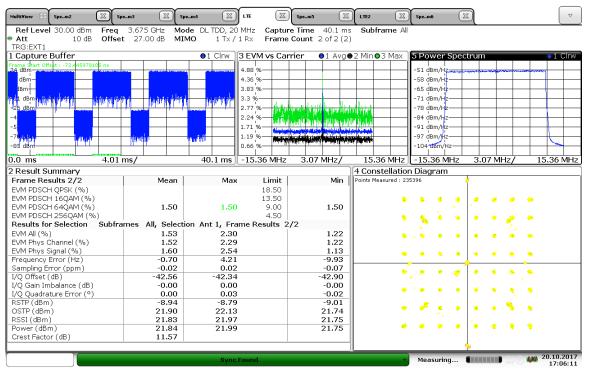
17:05:07 20.10.2017



17:05:41 20.10.2017

MultiView 呂 Spem2 🖾 Spe	m3 🔀 Sper	n4 🕅 L	т	Spem5) і пе 🛛 🖾	Spem6	K)	\bigtriangledown
Ref Level 30.00 dBm Freq	3.675 GHz Mode	: DL TDD, 20 M	Hz Captur	e Time 40.1 ms	s Subframe All	•		
	27.00 dB MIM	D 1 Tx / 1 F	🛚 🗠 🕹 🔍	Count 2 of 2 (2)			
TRG:EXT1								
l Capture Buffer		●1 Clrw 3	EVM vs Cari	rier 🛛 🌖 Avg 🕻	🛢 2 Min 🖸 3 Max	5 Power Spec	trum	●1 Clrw
rame Start Offset : -72.447086552 ns			88 %			-51 dBm/Hz		
34 dBm							- Andrew Construction of the second second	and a state of the
dBm—			36 %			-58 dBm/Hz		
IBm+			83,%			-65 dBm/Hz		
վ1 dBm <mark>ուլիրիր թորինի հերուրին</mark>	TO NAVERIA AND A	3.	3 %	1 1 1		-71 dBm/Hz		
25.dBm		2.	77 %	relation, dans side of er-	a a di su	-78 dBm/Hz		
-4		2.	24 %	A CONTRACTOR OF A CONTRACT		-84 dBm/Hz		
-5		1.	71 %	konsele likelister _{till} ete stickelst	ALL	-91 dBm/Hz		
-7 <mark>1.6.1880</mark>	- and -		19 %			-97 dBm/Hz		
85 dBm	10 TO			light to reach the pair was	and the second	-104 dBm/Hz-		<u> </u>
0.0 ms 4.01 n	ns/	40.1 ms	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	15396	*	
EVM PDSCH QPSK (%)			18.50					
EVM PDSCH 16QAM (%)			13.50		ll 🔥	S 6	* * *	
EVM PDSCH 64QAM (%)	1.47	1.47	9.00	1.47			* 1 T	
EVM PDSCH 256QAM (%)			4.50			 (a) (a) (a) 	🐌 🐌 🚁	
Results for Selection Subfran	mes All, Selection	Ant 1, Fram	e Results 2,	/2	11 - C	i 🦉 Tanata	1 N N 😚	
EVM AII (%)	1.51	2.22		1.24				
EVM Phys Channel (%)	1.50	2.19		1.25				
EVM Phys Signal (%)	1.58	2.55		1.17		140 B	a 2 a.	
Frequency Error (Hz)	-0.63	2.82		-7.64		· · · · ·		<u>.</u>
Sampling Error (ppm)	-0.01	0.06		-0.08				·
I/Q Offset (dB)	-42.57	-42.32		-42.84		2 🖉 👘 😽 .		
I/Q Gain Imbalance (dB)	0.00	0.00		-0.00				
I/Q Quadrature Error (°)	-0.00	0.02		-0.02	II *	· • •	🦉 📍 🌯	•
RSTP (dBm)	-8.96	-8.81		-9.03	1	<i></i>		
OSTP (dBm)	21.87	22.11		21.72	II *	- 👘 🤌 📩		
RSSI (dBm)	21.81	21.95		21.73			1	
Power (dBm)	21.82	21.97		21.73		- 🐔 🔺 🛎		-
Crest Factor (dB)	11.56							
							<u>*</u>	00 10 5
		Sync Fo	und			Measuring		20.10.2017 17:06:00

17:06:01 20.10.2017



17:06:12 20.10.2017

Multi¥iew 🕄 Spem2 🛛 🖾 Spe.	(·		0	Spem5		<u> </u>	X			▽
		DL TDD, 20 MI		eTime 40.1 m		All				
	27.00 dB MIMO	1 T× / 1 F	🛛 🗠 🗠	Count 2 of 2 (2)					
TRG:EXT1						_				
L Capture Buffer		●1 Clrw 31	EVM vs Car	rier Ol Avg	●2 Min ●3 Max	5 Power Sp	ectrum			●1 Clrv
rame Start Offset : -72.488241187 ns 34 dBm		4.1	38 %			-51 dBm/Hz-				
dBm-			36 %			-58 dBm/Hz-				
dBm			33 %			-65 dBm/Hz-				
1 dBmm diret ni energia	a state and bart		3 %			-71 dBm/Hz-				
25 dBm	1 Martha Martha		77 % the			-78 dBm/Hz-				
				त्यान्द्रां मुझुहाः ' काम्यम सम	New York's					
-4			24 %	adalah dan bibi nisih dalah s	hilds that					
-5			71 %	and the set of the set	and allows	-91 dBm/Hz-				
	nite and a second s	9901 IIIII	19 %			-97 dBm/Hz-				
-85 dBm		0.1	56 %		1.4	-104 dBm/Hz-				
).0 ms 4.01 n	ns/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MH:	2 -15.36 MH	z 3.07	/ MHz/	15.	.36 MH
2 Result Summary	•			· · ·	4 Constellati	on Diagram				
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured :	235396	*			
EVM PDSCH OPSK (%)			18.50		1					
EVM PDSCH 160AM (%)			13.50			× × ×	a 🧧		-	
EVM PDSCH 64QAM (%)	1.47	1.47	9.00	1.47			7 (K) (K)			
EVM PDSCH 256QAM (%)			4.50			s s à	• *	ie 🔬	-	
Results for Selection Subfrar	nes All, Selection	Ant 1, Frame	Results 2,	2		en ser en	1 1 1	5.		
EVM All (%)	1.50	2.24		1.18	1	5	• •	a 🧳		
EVM Phys Channel (%)	1.50	2.23		1.18						
EVM Phys Signal (%)	1.58	2.54		1.13		• • •	•		<u>6</u>	
Frequency Error (Hz)	-6.87	-2.54		-17.76				1.1	<u> </u>	
Sampling Error (ppm)	-0.01	0.05		-0.06		<mark></mark> .	• T •	s. 💰		
I/Q Offset (dB)	-42.54	-42.27		-42.86			-			
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		• * • * •	e 🤞		1 <mark>-</mark>	
I/Q Quadrature Error (°)	-0.00	0.02		-0.02						
RSTP (dBm) OSTP (dBm)	-8.92 21.91	-8.77 22.15		-9.00 21.76		• 🧳 •		🔹 🔦 .	*	
RSSI (dBm)	21.91	22.15		21.76			1			
Power (dBm)	21.85	22.01		21.76		e. er e	é 👘 👘			
Crest Factor (dB)	11.56	22.01		21.//						
5.5500 docs. (do)	1100				1		4			
		Sync For	und		<u></u>	Measuring.).10.201
										17:06:2

MultiView 88 Spe..m2 \bigtriangledown Spe..m3 Spe..m4 🖾 LTE Spe..m5 X LTE2 Spe..m6 Mode DL TDD, 20 MHz MIMO 1 Tx / 1 Rx
 Ref Level
 30.00 dBm
 Freq
 3.675 GHz

 Att
 10 dB
 Offset
 27.00 dB
 Capture Time 40.1 ms Frame Count 2 of 2 (2) Subframe All TRG:EXT1 1 Capture Buffer ●1 Clrw 3 EVM vs Carrier ●1 Avg●2 Min●3 Max 5 Power Spectrum 1 Clrw -51 dBm/Hz 4.88 %-34 dBmdBm-JBm-P d1 dBm phinn phinn -25 dBm 4.36 %--58 dBm/Hz 3.83 %--65 dBm/Hz 3.3 % -71 dBm/H IL PROPERTY. - Martin Inde hour the 2.77 % -78 dBm/H 2.24 %tilling a fiscer of the trie west of other or states -84 dBm/Hz -84 dBm/Hz -91 dBm/Hz -97 dBm/Hz -104 dBm/Hz -15.36 MHz 1.71 % 1.19 %-85 dBm 0.66 % -15.36 MHz 3.07 MHz, 3.07 MHz 15.36 MHz 15.36 MHz 0.0 ms 4.01 ms/ 40.1 ms 2 Result Summary 4 Constellation Diagram Mean Max Limit Min Frame Results 2/2 oints Measured : 235396 EVM PDSCH QPSK (%) EVM PDSCH 16QAM (%) 18.50 13.50 - 64 18 *
 EVM PDSCH 64QAM (%)
 1.49
 1.49
 9.00

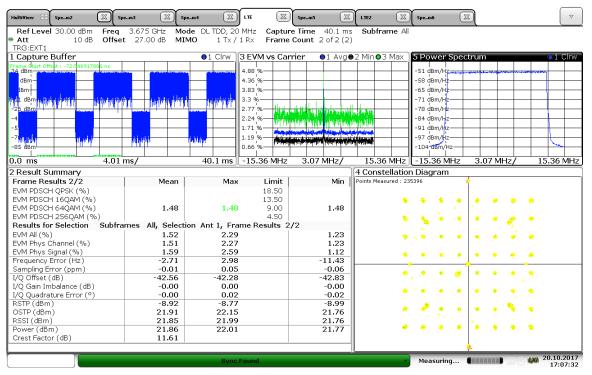
 EVM PDSCH 256QAM (%)
 4.50
 4.50

 Results for Selection
 Subframes
 All, Selection
 Ant 1, Frame Results 2/2
 1,49 4 ۵, % · 🔗 ٠. VM All (%) EVM All (%) EVM Phys Channel (%) EVM Phys Signal (%) Frequency Error (H2) Sampling Error (ppm) I/Q Offset (dB) I/Q Gain Imbalance (dB) 1.53 1.52 1.59 -0.96 2.32 2.31 2.52 3.16 1.20 ۰. • ٠ . 1.20 1.20 1.18 -12.77 • -٠ * ÷ . 0.06 42.31 0.00 -0.04 -42.85 -0.00 -0.01 42.56 ۰, ÷ . 1 ٠ * . -0.00 × 4 si. 10 -. I/Q Quadrature Error (°) RSTP (dBm) OSTP (dBm) 0.00 -8.90 21.93 0.02 -8.75 22.17 -0.01 -8.97 21.78 8 - 4 * . . RSSI (dBm) Power (dBm) Crest Factor (dB) 21.87 21.88 11.58 22.01 22.03 21.78 21.78 ģ 20.10.2017 Measuring... 17:06:43

17:06:43 20.10.2017

MultiView 🔠 Spem2 🖾 Spe	2m3 🛛 Spem	4 🖾 LI	e 🖾	Spem5	LTE2	Spem6	X	
Ref Level 30.00 dBm Freq	3.675 GHz Mode	DL TDD, 20 MI	Hz Capture	Time 40.1 m	s Subframe All	•		
	27.00 dB MIMC			Count 2 of 2 (2				
TRG:EXT1		,			, 			
1 Capture Buffer		01 Clrw 31	EVM vs Cari	rier 😐 🛛 Avg	●2 Min ●3 Max	5 Power Spec	strum	●1 Clrw
Frame Start Offset : -72.519284799 ns		<u> </u>						
34 dBm			38,%			-51 dBm/Hz	- your beauty of the second	and a second second
dBm-			36,%			-58 dBm/Hz		
dBm—			33,%			-65 dBm/Hz		
ի <mark>4</mark> 1 dBm <mark>ուրի դարել է հետորար</mark>			3 %			-71 dBm/Hz		
-2 <u>5 dBm</u>		2.	77 % 100	del little little de la com		-78 dBm/Hz		
-4		2.:	24 % 4	et al all finner de rations	the state	-84 dBm/Hz		
-5		1.3	71 %	10.000	erandigu ara	-91 dBm/Hz		
-7 <mark>5 Menner (Latin</mark>	ania de la companya de la	in 1.:	19 %			-97 dBm/Hz		
-85 dBm	to and the state		56 %	gandered and a second second	n in state of the second s	-104 dBm/Hz		
0.0 ms 4.01 r	ms/	40.1 ms	5.36 MHz	3.07 MHz/		-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	15396	*	
EVM PDSCH QPSK (%)			18.50					
EVM PDSCH 16QAM (%)			13.50		ll 🔸	- 👗 🐞 🔥	a 😺 🤞	
EVM PDSCH 64QAM (%)	1.49	1.49	9.00	1.49			1	
EVM PDSCH 256QAM (%)			4.50			. 🔬 🍾 👍	💊 🍃 🚕	<u>.</u>
Results for Selection Subfra	mes All, Selection	Ant 1, Frame	e Results 2,	2	11 · · · · · · · ·	n 🙀 🖓 🖓	1115	
EVM All (%)	1.53	2.30		1.20			1	
EVM Phys Channel (%)	1.53	2.28		1.20				
EVM Phys Signal (%)	1.59	2.58		1.05		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Frequency Error (Hz)	-8.99	-5.23		-17.93				~
Sampling Error (ppm)	-0.02	0.02		-0.08			The second	· .
I/Q Offset (dB)	-42.56	-42.31		-42.85		2 T T M	l * * `,	27
I/Q Gain Imbalance (dB)	0.00	0.00		-0.00				1 <mark></mark>
I/Q Quadrature Error (°)	-0.00	0.02		-0.02		* * *	* * *	-
RSTP(dBm)	-8.98	-8.83		-9.05		A	🐁	
OSTP (dBm)	21.85	22.09		21.70	II *	- 	• • •	
RSSI (dBm)	21.79	21.93		21.71			1	-
Power (dBm)	21.80	21.95		21.71	II *	- 💌 👻 👻	* * *	7
Crest Factor (dB)	11.62						l	
							97. 	20.10.2017
		Sync Fo	und		*	Measuring		17:07:00

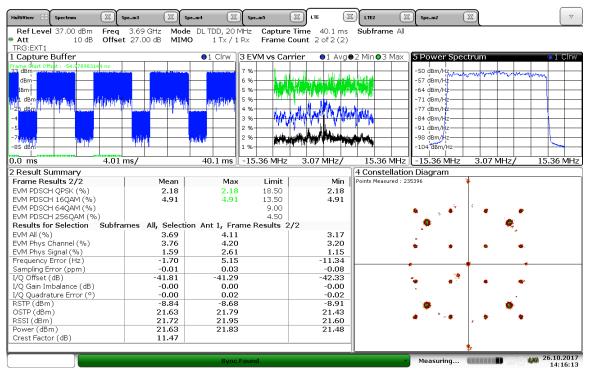
17:07:01 20.10.2017



17:07:33 20.10.2017

Multi¥iew 🕄 Spectrum 🔀 S	Spem3 X Sped	m4 🕅 S	ipem5	X) I.П. (X		Spem2	X	
		DL TDD, 20 MHz		Time 40.1 ms	Subframe All			
	t 27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1				-				
1 Capture Buffer		●1 Clrw 3 E	VM vs Cari	rier Ol Avge	2 Min •3 Max	5 Power Spec	ctrum	●1 Clrw
Frame Start Offset : -54.961699192 ns 33 dBm		79	K			-50 dBm/Hz		
dBm-			4	مر والله العرب المراجع	dan mar	-50 dBm/Hz	mannen	Marrien
dBm		- 59		गरा जा करणा हो। ज		-64 dBm/Hz		
	and the first first		°I IVI₽	Think the party products	M MN 8			
ul dBm <mark>ataia (Canada) ana amin'ny fisiana amin'ny fisiana</mark>	IN PANDALIP NAM	ing in 1 5 %	0	A Date of the second		-71 dBm/Hz		
-20.0000 · · · · · ·	thatsalar the day	4 9	l Rak I	All MARTIN All	ului.	-77 dBm/Hz		
-4		3 9				-84 dBm/Hz		
-5.		2 9				-91 dBm/Hz		
-7 <mark>1-kingle</mark>	addiad dd	10 ¹ 2 9	6			-98 dBm/Hz		
-85 dBm		19	6 1	direct rates of the state	nin hall	-104 dBm/Hz		
0.0 ms 4.01	ms/	40,1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary				·	4 Constellatio	Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23		*	
EVM PDSCH QPSK (%)	2.17	2.17	18.50	2.17			1	
EVM PDSCH 16QAM (%)	4.91	4.91	13.50	4.91				
EVM PDSCH 64QAM (%)			9.00				3	
EVM PDSCH 2560AM (%)			4.50			· • •	· · · · · · · · · · · · · · · · · · ·	
	mes All, Selection	Ant 1, Frame	Results 2	/2		9	Q	
EVM All (%)	3.68	4.09		3.19		*		
EVM Phys Channel (%)	3.76	4.18		3.22		14		
EVM Phys Signal (%)	1.58	2,59		1.17		•		1
Frequency Error (Hz)	-2.67	2,36		-13.96			1	
Sampling Error (ppm)	-0.01	0.03		-0.06			•	
I/Q Offset (dB)	-41.81	-41.32		-42.32		- <u>1</u> *		
I/Q Gain Imbalance (dB)	-0.00	0.01		-0.00		* *	* *	
I/Q Quadrature Error (°)	-0.00	0.01		-0.03				
RSTP(dBm)	-8.86	-8.71		-8.93		· 🙆	6	
OSTP (dBm)	21.61	21.76		21.40		A		
RSSI (dBm)	21.69	21.92		21.58		97 (9	y 🖤 💘	
Power (dBm)	21.60	21.80		21.46				
Crest Factor (dB)	11.41							
]]		*	
		Sync Fou	ind			Measuring	()	26.10.2017
		2,1101.00					REFC	14:16:0

14:16:04 26.10.2017



14:16:13 26.10.2017

MultiView 🗄 Spectrum 🛛 🖾 Sp	pem3 🛛 🕅 Spe	n4 🕅 s	pem5	🖾 іпе 🛛 🗵	K LTE2 X	Spem2	X	\bigtriangledown
		DL TDD, 20 MHz		Time 40.1 ms	Subframe All			
	27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1				-				
Capture Buffer		●1 Clrw 3 E	VM vs Cari	ier Ol Avg	●2 Min ●3 Max	5 Power Spec	ctrum	●1 Clrw
rama dent 019-tt -55.47424560B ns 3 dBm 4 dBm 25 dBm 4 5 5 791454 85 dBm 4 dBm 5 85 dBm 4 dBm 5 85 dBm		линин лининин линин		10000000000000000000000000000000000000		-50 dBm/Hz -57 dBm/Hz -64 dBm/Hz -71 dBm/Hz -77 dBm/Hz -84 dBm/Hz -91 dBm/Hz -98 dBm/Hz -98 dBm/Hz		
0.0 ms 4.01 r	ms/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
Result Summary					<u>4 Constellatio</u>		,	
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	*	
EVM PDSCH QPSK (%)	2.18	2.18	18.50	2.18				
EVM PDSCH 16QAM (%)	4.91	4.91	13.50	4.91				
EVM PDSCH 64QAM (%)			9.00			8 . K	1 a a	e de la companya de la company
EVM PDSCH 256QAM (%)			4.50					
	mes All, Selection		Results 2/				- R	
EVM All (%)	3.68	4.09		3.20			· ·	
EVM Phys Channel (%)	3.76	4.18		3.23				
EVM Phys Signal (%)	1.58	2.64		1.11				
Frequency Error (Hz)	-3.67	-0.95		-11.66				
Sampling Error (ppm)	0.00	0.05		-0.06			T	-
I/Q Offset (dB)	-41.83	-41.36		-42.31		~a 🔊 🔊		
I/Q Gain Imbalance (dB)	-0.00	0.01		-0.00		5		•
I/Q Quadrature Error (°)	-0.00	0.03		-0.02				
RSTP (dBm)	-8.83	-8.68		-8.91			6	
OSTP (dBm)	21.63	21.79		21.43		A Contractor		
RSSI (dBm)	21.72	21.95		21.60		₩ ×₩.) · · · · · · · · · · · · · · · · · · ·	I.
Power (dBm)	21.63	21.83		21.49				
Crest Factor (dB)	11.45						1	
							*	

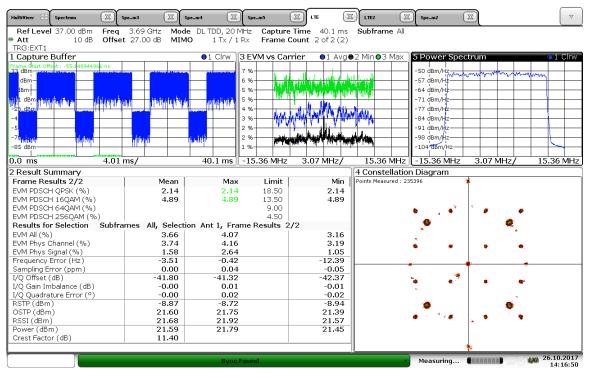
14:16:23 26.10.2017

			Spem5	🛛 ГЕ 🛛		Spem2	x)		
		DL TDD, 20 M		Time 40.1 ms	Subframe All				
Att 10 dB Offset TRG:EXT1	27.00 dB MIMO	1 Tx / 1 F	X Frame C	ount 2 of 2 (2)					
L Capture Buffer		●1 Clrw	BEVM vs Car	rier 💁 Ava	2 Min • 3 Max	5 Power Spec	trum		• 1 Cirv
rame Start Offset : -54.97592258 ns									
33 dBm			7 %				month	moun	
dBm-			5 %		le in a stati	-57 dBm/Hz			
dBm		— —		CALINER DE GANNEL MELTA	af harba	-64 dBm/Hz			
1 dBm <mark>atritic Plan // // // //</mark>	nil <mark>distinction</mark>	innitian)	5 %			-71 dBm/Hz			+
-25.dBm	the brown of the		4 %	H H. MA AN.	di dua	-77 dBm/Hz			
-4			3 %	AND AND A MIN	N NWA	-84 dBm/Hz			
-5			2 %		1. 1.	-91 dBm/Hz			
7	- Contract		2 %	alita hain Menanjara	يفار فلراقي	-98 dBm/Hz			+
-85 dBm	unada at	1000	- % ///////	يتعفيها بيزيل المرزارية الملحد ومحاذيتها		-104 dBm/Hz			-
-os ubii			1 70			-104 ubili/Hz			
0.0 ms 4.01 m	ns/	40.1 ms	-15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz	/ 1	5.36 MH
2 Result Summary					4 Constellatio	n Diagram			
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	35396			
EVM PDSCH QPSK (%)	2.21	2.21	18.50	2.21					
EVM PDSCH 16QAM (%)	4.91	4.91	13.50	4.91					
EVM PDSCH 64QAM (%)			9.00			a a ⁵	a 🙀		
EVM PDSCH 256QAM (%)			4.50						
	mes All, Selection		ne Results 2,			<u>,</u>	9		
EVM All (%)	3.69	4.10		3.18					
EVM Phys Channel (%)	3.77	4.20		3.21		• •			
EVM Phys Signal (%)	1.60	2.67		1.17			-		
Frequency Error (Hz)	-1.72	1.27		-10.46					
Sampling Error (ppm)	0.01	0.06		-0.03		· · · ·	Ĩ		
I/Q Offset (dB)	-41.81	-41.38		-42.34		1a 💦		*	
I/Q Gain Imbalance (dB)	-0.00	0.01		-0.00			-		
I/Q Quadrature Error (°)	-0.00	0.01		-0.02					
RSTP (dBm)	-8.80	-8.64		-8.87		4		¢	
OSTP (dBm)	21.67	21.82		21.47		6 1. B	•		
RSSI (dBm)	21.76	21.99		21.64		₩ (₩	5	•	
Power (dBm)	21.67	21.87		21.53					
Crest Factor (dB)	11.42								
							*	- 114	26.10.201
		Sync F	ound			Measuring		1)0	14:16:3

14:16:32 26.10.2017

Multi¥iew 88 Spectrum 🛛 🕅 Si	pem3 🕅 Spe.	.m4 🕅 s	ipem5	X LTE X	LTE2	Spem2	X	
		DL TDD, 20 MHz	z Capture	Time 40.1 ms	Subframe All	•		
	27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3 E	VM vs Cari	rier 🛛 🖸 Avg 🕻	2 Min • 3 Max	5 Power Spec	trum	●1 Clrw
Frame Start Offset : -54.887799195 ns		79	ĸ			-50 dBm/Hz		
dBm-						-50 dBm/Hz	and the second way	mound
dBm -				ditent al Mental de cara		-64 dBm/Hz		
	a the second second				9 YU -	-71 dBm/Hz		
11 dBm Particip Part	ni niminine mi	A 4 9		La la John Las		-71 dBm/Hz		
-20.0000 · · · · · · · · · · · · · · · · ·				MAN M MARKEN	V MAL			
-4		3 9	1 1 1 1 1 1 1 1	And A L A Mar.		-84 dBm/Hz		
-5		2 9		me de la de la		-91 dBm/Hz		
-7 <mark>9/m/m/</mark>	Liphe I	2 9	11111	New York, a little with the second		-98 dBm/Hz		
-85 dBm		19	6			-104 dBm/Hz		
0.0 ms 4.01 r	ns/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellation	Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	*	
EVM PDSCH QPSK (%)	2.22	2.22	18.50	2,22				
EVM PDSCH 16QAM (%)	4.90	4.90	13.50	4.90				
EVM PDSCH 64QAM (%)			9.00			🔺 🔺	1 a a	
EVM PDSCH 256QAM (%)			4.50			1 a 1 i i i i i i i i i i i i i i i i i	1	
	mes All, Selection	i Ant 1, Frame	Results 2,	2			· · · · · · · · · · · · · · · · · · ·	
EVM All (%)	3.68	4.10		3.24			*	
EVM Phys Channel (%)	3.76	4.20		3.27				
EVM Phys Signal (%)	1.55	2.58		1.07				
Frequency Error (Hz)	0.24	4.90		-8.68			<u></u>	*
Sampling Error (ppm)	0.00	0.05		-0.09			1	
I/Q Offset (dB)	-41.82	-41.36		-42.32		్త తో		•
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		<i>p</i>	· · ·	
I/Q Quadrature Error (°)	-0.01	0.01		-0.03			1.00	
RSTP (dBm)	-8.90	-8.75		-8,97		10 C	A 19 19 19 19 19 19 19 19 19 19 19 19 19	
OSTP (dBm)	21.57	21.73		21.36		4 1.48		
RSSI (dBm) Power (dBm)	21.66 21.57	21.89 21.77		21.55 21.43			1	
Crest Factor (dB)	11.41	21.//		21.43				
	11,41							
							£	400 26.10.2017
		Sync Fou	ind		· · · · · ·	Measuring	ALL DESCRIPTION OF THE OWNER	14:16:41

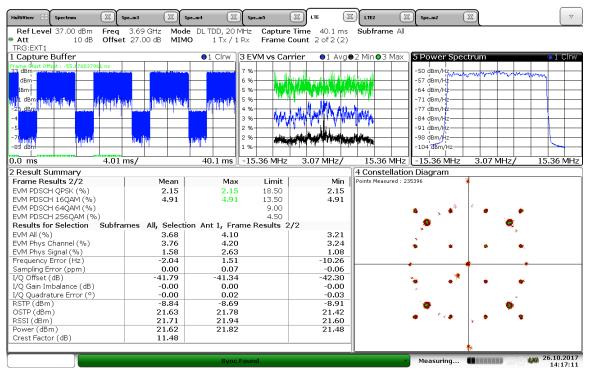
14:16:42 26.10.2017



14:16:51 26.10.2017

MultiView 🕄 Spectrum 🔣	Spem3 X Spe.	m4 🕅 S	oem5 (X) I.П. (X		Spem2	X	
		DL TDD, 20 MHz		Time 40.1 ms	Subframe All	•		
	t 27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3 E	VM vs Car	rier 💿1 Avge	2 Min • 3 Max	5 Power Spe	ctrum	●1 Clrw
Frame Start Offset : -55.094002249 ns 33 dBm		7 %				-50 dBm/Hz		
dBm-		69	1 01	فلالياء الغر بارتيا الغرر	اله بالس	-50 dBm/Hz	mar amagine was	Marana
iBm-				dia han ankada di dika a hija		-64 dBm/Hz		
and a second	the second second		1100 000	Marin Palantin Pala		-71 dBm/Hz		
1 dBm in the state of the second s	and the second second			a 6 146 at				
-25_dBm		4 %		MUN MIN ANW	diau.	-77 dBm/Hz		
-4		3 %				-84 dBm/Hz		
-5		2 %				-91 dBm/Hz		
-7 <mark>404EAP</mark>		2 %	- Mitha			-98 dBm/Hz		
-85 dBm		1 %	1111111	a tool the set with with		-104 dBm/Hz-		
0.0 ms 4.01	ms/	40.1 ms -1	5.36 MHz	3.07 MHz/	15,36 MHz	-15,36 MHz	3.07 MHz/	15,36 MHz
2 Result Summary					4 Constellation	Diagram	· · · ·	
Frame Results 2/2	Mean	Мах	Limit	Min	Points Measured : 23		1	
EVM PDSCH QPSK (%)	2.18	2.18	18.50	2.18				
EVM PDSCH 16QAM (%)	4.91	4.91	13.50	4,91				
EVM PDSCH 64QAM (%)			9.00				1	
EVM PDSCH 2560AM (%)			4.50			• • •		
Results for Selection Subfra	mes All, Selection	Ant 1, Frame	Results 2,	2				
EVM All (%)	3.68	4.07		3.19		*	ri -	
EVM Phys Channel (%)	3.75	4.16		3.22				
EVM Phys Signal (%)	1.57	2.59		1.11		· ·		
Frequency Error (Hz)	-3.78	0.78		-12.83				
Sampling Error (ppm)	-0.00	0.04		-0.07				•
I/Q Offset (dB)	-41.79	-41.37		-42.38		5a 🖉		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00			1	
I/Q Quadrature Error (°)	-0.00	0.02		-0.02				
RSTP (dBm)	-8.84	-8.69		-8.91		1 🥵	0	
OSTP (dBm)	21.63	21.78		21.43			6 0	
RSSI (dBm)	21.71	21.95		21.60		- · · ·	3 T T	
Power (dBm)	21.62	21.82		21.48				
Crest Factor (dB)	11.47						1	
							*	
		Sync Fou	nd			Measuring		26.10.2017 14:17:00
								14.17.00

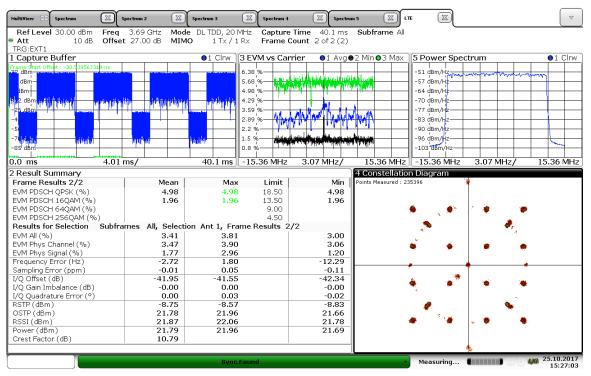
14:17:01 26.10.2017



14:17:12 26.10.2017

Att 10 dB Offset TRG:EXT1 I Capture Buffer Trans start Offset : -30.54094577k ns 20 dBm dBm	3.69 GHz Mode 27.00 dB MIMO	●1 Clrw 3 E		Count 2 of 2 (2)	Subframe All	E Daway Case		
TRG:EXT1 I Capture Buffer Frame Start Offset: -30.94094577P: ns dBm Bm Bm Bm Bm Bm Bm Bm Bm B	27.00 dB MIMO	●1 Clrw 3 E				E Dawien Crae	•	
I Capture Buffer			VM vs Car	rier 💿1 Avg		E Danuar Cras	•	
rame 9tart Offset : -30.940945772 ns 22 dBm dBm- JBm-			VM vs Car	rier 🛛 🏼 🕬 🖉				
dBm		6.3				5 Power Spec	:trum	•1 Clrw
1 22 dbm 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4.9	8 %		4	-51 dBm/Hz -57 dBm/Hz -64 dBm/Hz -70 dBm/Hz -77 dBm/Hz -90 dBm/Hz -96 dBm/Hz -103 dBm/Hz		
0.0 ms 4.01 n	ns/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15,36 MHz	3.07 MHz/	15.36 MH
2 Result Summary		10111110)(1		0101 11112/	4 Constellatio	/ %	didt mile,	10100
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2			
EVM PDSCH QPSK (%)	4.96	4.96	18.50	4.96				
EVM PDSCH 16QAM (%)	1.92	1.92	13.50	1.92				
EVM PDSCH 64QAM (%)	1.52	1.52	9.00	1152		🔹 💰	2 🔏	*
EVM PDSCH 2560AM (%)			4.50					-
Results for Selection Subfrar	mes All, Selection	n Ant 1, Frame	Results 2	/2		1		
EVM All (%)	3.39	3.79		2.97		*		
EVM Phys Channel (%)	3.45	3.87		3.03		aŭ aŭ .		
EVM Phys Signal (%)	1.76	2,93		1.32		* *		11
Frequency Error (Hz)	-3.81	3,97		-12,37			L	
Sampling Error (ppm)	0.01	0.11		-0.06				
I/O Offset (dB)	-41.97	-41.69		-42.31		<u>ن</u> الله ال		
I/O Gain Imbalance (dB)	-0.00	0.00		-0.01		🧟 👌	- -	9
I/Q Quadrature Error (°)	0.00	0.02		-0.02				
RSTP (dBm)	-8.79	-8.61		-8.87		0		
OSTP (dBm)	21.74	21.91		21.63		·•• g	T	
RSSI (dBm)	21.83	22.02		21.75		Ø Ø	🖕 🐌	
Power (dBm)	21.75	21.92		21.66				
Crest Factor (dB)	10.63							
		Sync Fou			<u></u>	Measuring		25.10.201

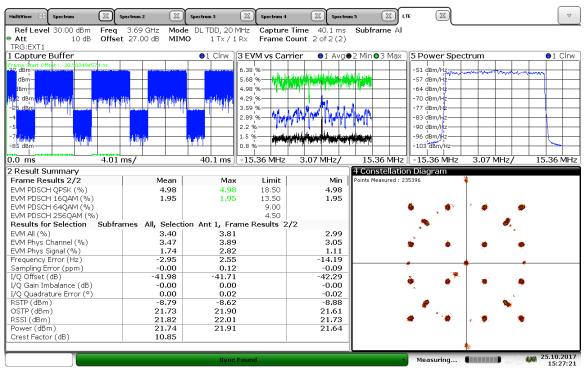
15:26:53 25.10.2017



15:27:04 25.10.2017

MultiView 🗄 Spectrum 🖾 S	ipectrum 2 🕅 Sp	ectrum 3	Spectrum 4	Spectru	m 5 🕅 LT			
Ref Level 30.00 dBm Freq	3.69 GHz Mode	DL TDD, 20 MH;	z Capture	Time 40.1 ms	Subframe All			
Att 10 dB Offse	t 27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3 E	EVM vs Cari	rier 🛛 🌖 Avg 🕻	🕽 2 Min 🛛 3 Max 🗋	5 Power Spec	trum	●1 Clrw
Capital P Sector 03112924 Bit 03112924		5.6 4.9 4.2 3.5 2.6 2.2 1.5	29 %			-51 dBm/Hz -57 dBm/Hz -64 dBm/Hz -70 dBm/Hz -77 dBm/Hz -83 dBm/Hz -90 dBm/Hz -96 dBm/Hz -103 dBm/Hz		
0.0 ms 4.01	ms/	40.1 ms -1	5.36 MHz	3.07 MHz/	15,36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary		ion inoj(i	010010112	0101 111127	4 Constellation	·	dior mine,	10100 10112
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23		4	
EVM PDSCH QPSK (%)	4.99	4.99	18.50	4.99			[
EVM PDSCH 16QAM (%)	1.97	1.97	13.50	1,97				
EVM PDSCH 640AM (%)	1157		9.00	1.57		š 👘	1 🗽 🙀	6
EVM PDSCH 2560AM (%)			4.50			· · · ·		
	mes All, Selection	Ant 1, Frame	Results 2	/2		-		
EVM All (%)	3.41	3.81		3.03		99 10	1	
EVM Phys Channel (%)	3.48	3.89		3.06		s		
EVM Phys Signal (%)	1.76	2,87		1.31		•		
Frequency Error (Hz)	-3.87	0.91		-14,48				
Sampling Error (ppm)	-0.01	0.08		-0.08	,		•	
I/Q Offset (dB)	-41.95	-41.64		-42.30		e 198	ar	
I/Q Gain Imbalance (dB)	-0.00	0.01		-0.00	3	e	1 1 1	¢.
I/Q Quadrature Error (°)	-0.00	0.02		-0.03				
RSTP (dBm)	-8.84	-8.67		-8,93		1	6	
OSTP (dBm)	21.68	21.86		21.57		· · · · ·		
RSSI (dBm)	21.78	21.96		21.69	4	Ø 'Ø	a 😻 📢	•
Power (dBm)	21.69	21.86		21.60				
Crest Factor (dB)	10.79							
							\$	
		Sync Fou	ind		*	Measuring		25.10.2017 15:27:13

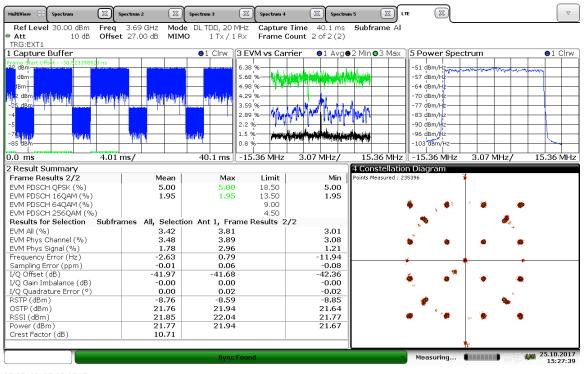
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15:27:23 25.10.2017

MultiView 🕄 Spectrum 🕅	Spectrum 2 🕅 S	pectrum 3	Spectrum 4	Spectrus	n 5 🕅 LT			
		DL TDD, 20 MHz		Time 40.1 ms	Subframe All	_		
	t 27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3 E	/M vs Car	rier Ol Avge	2 Min • 3 Max	5 Power Spec	trum	●1 Clrw
Frame Start Offset : -30. (5125306) ns 2 dBm -1 Bm -25 dBm -25 dBm -5 -7 6 m -7 6 m -7 6 m -7 6 m -7 6 m -7 6 m -7 6 m -7 6 m -7 6 m -7 7 7 7 7 7 7 7 7 7 7 7 7 7		6.36 5.66 4.96 3.55 2.86 2.86 2.2 1.5 1.5	96			-51 dBm/Hz -57 dBm/Hz -64 dBm/Hz -70 dBm/Hz -77 dBm/Hz -83 dBm/Hz -90 dBm/Hz -96 dBm/Hz		
- (11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1.5	1 1 1 1 1 1 1 1 1	NAMES OF TAXABLE PARTY OF TAXABLE		-103 dBm/Hz		
-85 dBm		0.8	[%]			-103 dBm/Hz		
0.0 ms 4.01	ms/	40.1 ms -15	.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary]	4 Constellation	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	*	
EVM PDSCH OPSK (%)	4.97	4.97	18.50	4.97				
EVM PDSCH 16QAM (%)	1,94	1.94	13.50	1.94				
EVM PDSCH 64QAM (%)			9.00			6 42	1 🐌 🐞 👔	•
EVM PDSCH 256QAM (%)			4.50			5		
Results for Selection Subfra	mes All, Selection	Ant 1, Frame	Results 2	/2		. (%)		
EVM All (%)	3.40	3.77		3.00				
EVM Phys Channel (%)	3.46	3.85		3.02		6 à	6 6	
EVM Phys Signal (%)	1.75	2.89		1.22				7
Frequency Error (Hz)	-3.41	0.23		-14.21			<u> </u>	
Sampling Error (ppm)	-0.01	0.08		-0.10	· ·		T	
I/Q Offset (dB)	-41.97	-41.66		-42.32		2 - 2 ¹ 1	- an - a	
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		*		
I/Q Quadrature Error (°)	0.00	0.03		-0.02				
RSTP (dBm)	-8.80	-8.62		-8.89		1 C C C C C C C C C C C C C C C C C C C	S	
OSTP (dBm)	21.73	21.91		21.61		ಬ ಕಿಲ್ಲೂ		_
RSSI (dBm)	21.82	22.01		21.73	• • • •	9 🖗	- 👘 👎 🕴	
Power (dBm)	21.74	21.91		21.64				
Crest Factor (dB)	10.84							
l							*	
		Sync Four	d			Measuring		25.10.2017 15:27:31

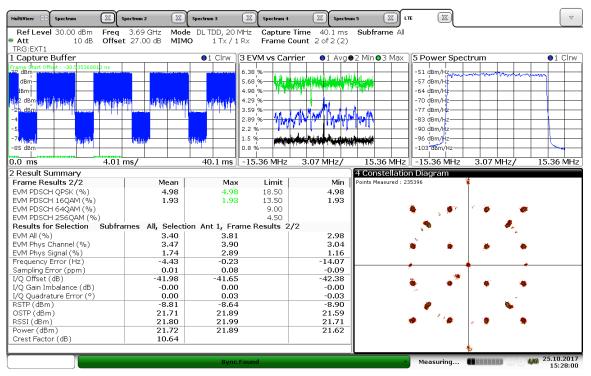
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15:27:40 25.10.2017

MultiView 🕄 Spectrum 🛛 🗐	spectrum 2 🕅 Sf	ectrum 3	Spectrum 4	Spectru	m 5 🕅 L1	E X		
Ref Level 30.00 dBm Freq	3.69 GHz Mode	DL TDD, 20 MH	z Capture	Time 40.1 ms	Subframe All	_		
	t 27.00 dB MIMO	1 Tx / 1 Rx	🗧 Frame C	ount 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 31	EVM vs Car	rier 🛛 🌖 Avg 🕻	🕽 2 Min 🖸 3 Max	5 Power Spec	trum	O1 Clrw
Frame Start Offset - 30.453707120 ns dBm 		5.1 4.4 4.3 3.3 2.1 2.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	38 % 68 % 98 % 59 % 89 % 5 % 8 %			-51 dBm/H2 -57 dBm/H2 -64 dBm/H2 -77 dBm/H2 -77 dBm/H2 -90 dBm/H2 -96 dBm/H2 -103 dBm/H2		
0.0 ms 4.01	ms /	40.1 ms -1	1 15,36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary	ilis/	40.1 ms j(-1	13,30 MILIZ	3.07 MHZ7	4 Constellatio	·	3.07 MHZ/	15,50 MHZ
Frame Results 2/2	Mean	Мах	Limit	Min	Points Measured : 23		1	
EVM PDSCH OPSK (%)	4,98		18.50	4.98	Folitics Measured : 23	13390	Î.	
EVM PDSCH QPSK (%) EVM PDSCH 160AM (%)		4.98 1.91	18.50	4.98				
EVM PDSCH 16QAM (%) EVM PDSCH 64QAM (%)	1.91	1.91	9.00	1.91		a a .	. av .	-
EVM PDSCH 64QAM (%) EVM PDSCH 256QAM (%)			4.50			👻 y 💇 .		
Results for Selection Subfra	mes All Selection	Ant 1 Frame		12		-	1	
EVM All (%)	3.40	3.79		2.99		*		
EVM Phys Channel (%)	3.46	3.87		3.05		2 L	<u> </u>	
EVM Phys Signal (%)	1.75	2,94		1.13		* *		
Frequency Error (Hz)	-4,41	1,04		-14.29				
Sampling Error (ppm)	-0.01	0.04		-0.08	;		• .	*
I/O Offset (dB)	-41.97	-41.64		-42.33				5
I/O Gain Imbalance (dB)	-0.00	0.00		-0.00		æ 🔹	🍯 🧃	÷
I/Q Quadrature Error (°)	-0.00	0.02		-0,02		×		
RSTP (dBm)	-8,72	-8,54		-8,81		ø		
OSTP (dBm)	21.81	21.98		21.69				
RSSI (dBm)	21.90	22.08		21.81		o 🍈 🔶	🧋 🐌 🔰 🕴	•
Power (dBm)	21.82	21.98		21.72				
Crest Factor (dB)	10.63							
]		*	
		Sync Fo				Measuring		25.10.2017

15:27:50 25.10.2017



15:28:01 25.10.2017

Multi¥iew 🕄 Spectrum 🔀 S	ipem3 🕅 Spe.	.m4 🕅 s	ipem5 (Х ГТЕ ()	К ЦТЕ2	Spem2	X	
		DL TDD, 20 MH:		Time 40.1 ms	Subframe All			
	t 27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1 1 Capture Buffer		• 1 Cirw 3 B	VM vs Cari		2 Min • 3 Max	5 Power Spec		●1 Clrw
						5 Power spec		
Frame Start Offset : -55.133547505 ns 34 dBm		4.3	36 %			-51 dBm/Hz-		www.com
dBm-			9%			-57 dBm/Hz		
JBm-			13 %			-63 dBm/Hz		
nt D dBm <mark>hainn i Annt - na Annt A</mark> nn Annt A	and the second first had	Lutiplitati 2.9	96 %			-69 dBm/Hz		
-25.dBm	and and all the second	2.5	5 % - 1	line faile and the		-75 dBm/Hz		
		2.0	3 % 1 4	اليشابة الأن ويستسمعون ي	carrot, but da	-81 dBm/Hz		
-4 -5			7 %			-87 dBm/Hz		
		1 1 1				-93 dBm/Hz		
-85 dBm	1669701 (A	10,00	14 % Free 1	وأروا إلاد وترعه معتواها ويربعك	and the state of t	-99 dBm/Hz		
0.0 ms 4.01	ms/	40.1 ms1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	÷.	
EVM PDSCH QPSK (%)			18.50					
EVM PDSCH 16QAM (%)			13.50		. 🌢	- 🤹 🔹 🄞	🏩 😻 🭎	
EVM PDSCH 64QAM (%)	1.50	1.50	9.00	1.50			5 C	
EVM PDSCH 256QAM (%)			4.50		ll 🖕	- 🐛 🍐 🦽	🔞 🔹 🍻	٠
Results for Selection Subfra		n Ant 1, Frame	Results 2/	2	1 · · · · · · · · · · · · · · · · · · ·	- 	- S.	
EVM All (%)	1.54	2.36		1.25				
EVM Phys Channel (%)	1.53	2.34		1.25				
EVM Phys Signal (%)	1.61	2.61		1.18		1 😼 👲 👲		-
Frequency Error (Hz)	-3.53	1.09		-11.00	<u> </u>	,	<u>`</u>	÷
Sampling Error (ppm)	0.00	0.07		-0.03		. 🤕 🔹 🛷	🔹 💰 🛸	
I/Q Offset (dB)	-41.83	-41.57		-42.17			4	
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00	💗	1 😦 💊 👙	à e e	
I/Q Quadrature Error (°)	0.00	0.03		-0.02			11.00	
RSTP (dBm) OSTP (dBm)	-8.79 22.04	-8.64 22,29		-8.86 21.87		- 🥜 🖕 💊	🛛 🖕 💊 💊	-
RSSI (dBm)	22.04	22.29		21.87				
Power (dBm)	21.98	22.12		21.90	🚽		🌘 👌 👻	-
Crest Factor (dB)	11.11	22.10		21,90	1			
5.550, 4000 (40)			1		1		1	
					л.		·	26.10.2017
		Sync Fou	ind		*	Measuring		13:55:00

13:55:01 26.10.2017

MultiView 🕄 Spectrum 🛛 🕄	ipem3 🛛 🕅 Spei	n4 🕅	Spem5	Х . ПЕ (X LTE2 2	Spem2	X	
	3.69 GHz Mode t 27.00 dB MIMO	DL TDD, 20 M 1 Tx / 1 F		Time 40.1 ms ount 2 of 2 (2)				
1 Capture Buffer		●1 Clrw	BEVM vs Cari	rier 🛛 🌖 Avg	●2 Min●3 Max	5 Power Spe	ctrum	●1 Clrv
Trans Start Offsht - 54 (1964207) ns 4 dBm 4Bm 4Bm			4.36 %- 3.9 %- 2.96 %- 2.03 %- 1.57 %- 1.1 %- 1.1 %-			51 dBm/H2 -57 dBm/H2 -63 dBm/H2 -69 dBm/H2 -75 dBm/H2 -81 dBm/H2 -81 dBm/H2 -93 dBm/H2 -99 dBm/H2		
0.0 ms 4.01	ms/	40.1 ms	-15,36 MHz	3.07 MHz/	15.36 MHz	-15,36 MHz	3.07 MHz/	15.36 MH
2 Result Summary	1137	-10.11113	15,50 1012	5107 101127	4 Constellatio		5107 141127	13,30 1411
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2		*	
EVM PDSCH QPSK (%) EVM PDSCH 16QAM (%) EVM PDSCH 64QAM (%)	1.48	1,48	18.50 13.50 9.00	1,48	 •	e 💰 💰 🚙		•
EVM PDSCH 256QAM (%)			4.50			e 🔬 🍹 🔹	8 8 9 9	y
Results for Selection Subfra			ne Results 2,				- S	
EVM All (%)	1.52	2.33		1.22		ki,,⊗ 6 4.	🔶 🧑 🔶 🥵	B
EVM Phys Channel (%)	1.51	2.32		1.22				
EVM Phys Signal (%)	1.58	2.58		1.18	- 1 4	- 1 9 - 9 - 9	a 🧉 🤫 🤞	•
Frequency Error (Hz)	-5.64	-0.10		-15.33	II	- #	÷	
Sampling Error (ppm)	-0.01	0.04		-0.10	- 11 🧃	- s - s - s	🖌 💰 🤞 🔞	•
I/Q Offset (dB)	-41.83	-41.62		-42.15		· · · · · · · · · · · · · · · · · · ·		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00				
I/Q Quadrature Error (°)	-0.00	0.02		-0.02	-11			-
RSTP (dBm)	-8.83	-8.68		-8,90		. 🧨 in 🔒	• • <u>*</u> •	<u>.</u>
OSTP (dBm)	22.00	22.25		21.83				
RSSI (dBm)	21.94	22.08		21.86	- 🧋		1 to a a	
Power (dBm) Crest Factor (dB)	21.95 11.15	22.11		21.86				•
		Sync F	ound			Measuring	<u>*</u> 41	26.10.201 13:55:5

13:55:57 26.10.2017

	ipem3 🛛 Spe			Х ит (2		Spem2	X	
	3.69 GHz Mode t 27.00 dB MIMO	DL TDD, 20 MH 1 Tx / 1 R		Time 40.1 ms ount 2 of 2 (2)	Subframe All			
TRG:EXT1						. (<i>p</i>		
Capture Buffer		●1 Clrw 3	EVM vs Cari	rier Ol Avg	●2 Min ●3 Max	5 Power Spec	trum	●1 Clrv
rame Start Offset : -46.796579056 ns 34 dBm		4.	36 %			-51 dBm/Hz		
dBm-			9 %			-57 dBm/Hz		
dBm			43 %			-63 dBm/Hz		
y D dBm <mark>in jain invienti ana protecti in</mark>	ati di ata an baat		96 %	ببيا البطابية الإيرا المالي		-69 dBm/Hz		
-25,d8m	AL ENTRYPHIC		5 % —	tal de la		-75 dBm/Hz		
-4		2.	03 %	auffit freider eine eine	1,1.41,411, ₁₁	-81 dBm/Hz		
-5.			57 %	ملته المستا العلية الخانينا وعاجمه وسا		-87 dBm/Hz		
			1 %	وأفعل والدريب أواجه وبالأر والألاءة	وتوساخ والتغول	-93 dBm/Hz		
-85 dBm	attantistik officialist		64 %	and a start of the second s		-99 dBm Hz		
os ubili			1			-99 000012		
0.0 ms 4.01	ms/	40.1 ms	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MF
Result Summary					4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	*	
EVM PDSCH QPSK (%)			18.50		1			
EVM PDSCH 16QAM (%)			13.50		ll 🔥	· • • •	8 8 6	.
EVM PDSCH 64QAM (%)	1.62	1.62	9.00	1.62			1	
EVM PDSCH 256QAM (%)			4.50		II 6	. 🌜 🍾 🦽	1 10 10 and 1	<u>.</u>
Results for Selection Subfra	mes All, Selection	Ant 1, Fram	e Results 2/	2		- 18 A.	1111	
EVM All (%)	1.67	2.59		1.24			🔹 🔶 🎻	<u>.</u>
EVM Phys Channel (%)	1.67	2.57		1.24				
EVM Phys Signal (%)	1.76	2.90		1.25	. 🛛 💊	🛛 😦 🔹 🔹		
Frequency Error (Hz)	-2.43	2.07		-10.97	ļ,	·		<u></u>
Sampling Error (ppm)	0.01	0.09		-0.13			l 🖕 🧉 🖌	
I/Q Offset (dB)	-42.09	-41.83		-42.30		• T 1 48		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		1 🗛 🧉 🍯	1 a a a	` <u>.</u>
I/Q Quadrature Error (°)	0.00	0.02		-0.02			1 S.	· ·
RSTP (dBm)	-9.17	-9.00		-9.26		- 🥔 🖕 👲	🗛 🔥 🦄	-
OSTP (dBm) RSSI (dBm)	21.66 21.60	21.93 21.77		21.48 21.50		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		7
RSSI (dBm) Power (dBm)	21.60	21.77		21.50	. 🛛 🧔	a a a	5 8 8	
Crest Factor (dB)	10.91	21.79		21.51				-
Greatriactor (ab)	10.91				-1		<u> </u>	
					Л	-	7 <u>6</u> 7	26 10 20
		Sync Fo	und			Measuring		26.10.20 13:56:

13:56:18 26.10.2017

Ref Level 37.00 dBm Freq Att 10 dB Offse	spem3	DL TDD, 20 MH	z Capture	Ⅲ I I I I I I I I I I		Spem2	X	
TRG:EXT1 1 Capture Buffer		•1 Clrw 3	EVM vs Cari	rier 💿1 Avg	●2 Min ●3 Max	5 Power Spe	ctrum	●1 Clrw
1 Capture Councer 3 dBm 12 dBm 13 dBm 14 dBm 12 dBm 12 dBm 12 dBm 12 dBm 14 dBm 14 dBm 15 dBm 16 dBm 17 dBm 18 dBm 19 dBm 10 dBm			36 % 9 % 43 % 96 % 96 % 3 % 5 % 7 % 64 % 15,36 MHz	3.07 MHZ/	15,36 MHz	-51 dBm/Hz -57 dBm/Hz -63 dBm/Hz -75 dBm/Hz -75 dBm/Hz -81 dBm/Hz -81 dBm/Hz -93 dBm/Hz -93 dBm/Hz -99 dBm/Hz -15,36 MHz	3.07 MHz	(15,36 MH
2 Result Summary				0101 111127	4 Constellatio		0101 11112	, 101001111
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2		*	
EVM PDSCH QPSK (%)	Mean	мал	18.50		1		1	
EVM PDSCH 16QAM (%) EVM PDSCH 64QAM (%) EVM PDSCH 256QAM (%)	1.62	1.62	13.50 9.00 4.50	1.62		· • • •		* *
Results for Selection Subfra	ames All, Selection	Ant 1, Fram	e Results 2,	/2		1 🥐 T T	1 7 7 🕺	
EVM All (%)	1.66	2.58		1.28			i i i i i i i i i i i i i i i i i i i	é 🤞
EVM Phys Channel (%)	1.65	2.56		1.28				
EVM Phys Signal (%)	1.73	2.87		1.29		1 1 A A	• • •	
Frequency Error (Hz)	-4.13	-0.56		-13.79			<u> </u>	
Sampling Error (ppm)	-0.00	0.05		-0.09			Ta a v	
I/Q Offset (dB)	-42.06	-41.80		-42.42	<u> </u>	- T - T - K	1 .	
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00				
I/Q Quadrature Error (°)	0.00	0.03		-0.02		- · ·	1 * * *	
RSTP (dBm)	-9.19	-9.01		-9.28		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
OSTP (dBm)	21.64	21.91		21.46	II *	- * 🐔 *	* * `	a 19
RSSI (dBm)	21.58	21.75		21.49			N	
Power (dBm)	21.59	21.77		21.49	II *	- # + +	🔻 🔨 👌	ş 🧏
Crest Factor (dB)	10.75				-1		1	
		Sync Fo	und			Measuring		26.10.201

13:56:48 26.10.2017

Multi¥iew 🗄 Spectrum 🕅 S	pem3 🕅 Spem	4 🕅 s	ipem5 (🛛 іте 🛛 🕅	LTE2	Spem2	X	
		DL TDD, 20 MH;		Time 40.1 ms	Subframe All			
	27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
TRG:EXT1						(E.B		a (a)
1 Capture Buffer		●1 Clrw 3 E	VM vs Car	rer Ol Avge	2 Min •3 Max	5 Power Spec	trum	●1 Clrw
Frame Start Offset : -46.781885032 ns 34 dBm		4.3	36 %			-51 dBm/Hz		
dBm-		3.9	,%			-57 dBm/Hz		
JBm-			13 %			-63 dBm/Hz		
			6 %	فبالمبيد بالالا فاتعامه		-69 dBm/Hz		
25.dBm		111111111111111111	; % — — — — — — — — — — — — — — — — — —	and a flater of a films		-75 dBm/Hz		
-4			, % 111	canifi hanki shkutika s	Helmouller	-81 dBm/Hz		
-5				وماريقة ويحدونك ومعاطيه ورو	AND DE LE COLOR	1 I I I I I I I I I I I I I I I I I I I		
			7 % 4			-87 dBm/Hz		
-7 <mark>4 https://</mark>	aller aller	717		التعريكة الإصاباتين والتشريق والمع	a. Chi suk	-93 dBm/Hz		
-85 dBm		0.6	i4 %			-99 dBm/Hz		
0.0 ms 4.01	ms/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	÷.	
EVM PDSCH QPSK (%)			18.50					
EVM PDSCH 16QAM (%)			13.50			1 1 4	8 8 0	<u> </u>
EVM PDSCH 64QAM (%)	1.61	1.61	9.00	1.61				
EVM PDSCH 256QAM (%)			4.50			- 💫 🍐 👝	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u></u>
Results for Selection Subfra	mes All, Selection	Ant 1, Frame	Results 2,	2	1 7		1 T 🕺	
EVM All (%)	1.66	2.55		1.29	N 💊			
EVM Phys Channel (%)	1.65	2.53		1.28				
EVM Phys Signal (%)	1.76	2.88		1.28		· · · · · ·	· · · ·	
Frequency Error (Hz)	-3.13	0.28		-13.50			<u> </u>	<mark>&</mark>
Sampling Error (ppm)	0.01	0.11		-0.09			Î. 🖌 🖌	
I/Q Offset (dB)	-42.08	-41.80		-42.42				
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		1 a a a		1 <mark></mark>
I/Q Quadrature Error (°)	-0.00	0.01		-0.02				
RSTP (dBm)	-9.19	-9.01		-9.27		- 🤌 🖕 🔺	🖌 💊 🍾	•
OSTP (dBm)	21.65	21.92		21.46		- T - T		7
RSSI (dBm)	21.58	21.75		21.49		a a a	1 o a	
Power (dBm)	21.59 10.75	21.77		21.49	· · ·			
Crest Factor (dB)	10.75						L	
							7 ⊁	26.10.2017
		Sync Fou	ind		*	Measuring		13:56:57

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MultiView 😁 Spectrum 🕅 Sp	em3 🕅 Sp	em4	Spem5	LTE [ل TE2	Spem2	X	
Ref Level 37.00 dBm Freq	3.69 GHz Mode	DL TDD, 20 MH	z Capture	Time 40.1 ms	Subframe All			
Att 10 dB Offset	27.00 dB MIM) 1 Tx / 1 R:	× Frame (Count 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3	EVM vs Cai	rrier 🛛 💿 1 Avg 🕻	🕽 2 Min 🖸 3 Max 🗋	5 Power Spec	trum	●1 Clrw
Frame Start Offset : -46.71216233 ns								
34 dBm			36,%			-51 dBm/Hz		many the state of
dBm-			9 %			-57 dBm/Hz		
dBm-		3.	43 %	line and the second		-63 dBm/Hz		
nt ^o dem <mark>inistrativnisti – materia</mark> na	it Middensidai.	<mark>inininini</mark> i ^{2.}	96 %			-69 dBm/Hz		
25 dBm		2.	5 %	er en de la felie antificational	din dila	-75 dBm/Hz		
-4		2.	.03 %	and the second second second	114 140 141	-81 dBm/Hz		
-5.		1.	57 %	وجابيا وصاح فبالتهب فالناق وم		-87 dBm/Hz		
-70.00			1 %	hand the set is a set of the set	at distillant	-93 dBm/Hz		
-85 dBm	AL DIALA	1700 011 0	64 %	ale de la contra de	111111111111	-99 dBm/Hz		
00 dbiil			1					
0.0 ms 4.01 n	ns/	40.1 ms	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396	*	
EVM PDSCH QPSK (%)			18.50					
EVM PDSCH 16QAM (%)			13.50			5 6 A	a a a	<u> </u>
EVM PDSCH 64QAM (%)	1.62	1.62	9.00	1.62			147 - 1	
EVM PDSCH 2560AM (%)			4.50			A & A	i in 10 mil	
Results for Selection Subfran	nes All, Selectio	on Ant 1, Fram	e Results 2	2/2	II	- <u>-</u>	1 1 1 🌾	
EVM All (%)	1.66	2.58		1.30		· · · ·	1 × × ×	
EVM Phys Channel (%)	1.66	2.57		1.30	II 7	· · ·	1 · · · · · · · · · · · · · · · · · · ·	
EVM Phys Signal (%)	1.72	2,92		1.23				<u> </u>
Frequency Error (Hz)	-2.41	1.27		-12.55			<u> </u>	<u> </u>
Sampling Error (ppm)	-0.00	0.03		-0.05				· · · ·
I/Q Offset (dB)	-42.06	-41.84		-42.34	11 1	, 🦈 👘 🐔	* * *	2 ⁻⁷
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		1 A A A		
I/Q Quadrature Error (°)	-0.00	0.01		-0.02	II *	* * *	🛎 🍍 🍡	· •
RSTP (dBm)	-9.29	-9.11		-9.37		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	🐜	_
OSTP (dBm)	21.55	21.82		21.37	II *	- 🐙 🎐 🤻	* * <u>*</u>	•
RSSI (dBm)	21.49	21.65		21.39			10 St.	
Power (dBm)	21.49	21.67		21.39	🧧 🧧	- 🖉 🍝 👻	🕈 🕴 😤	4
Crest Factor (dB)	10.76							
][]		÷	
		Svnc Fo	und			Measuring		26.10.2017
		oyne ro				mousaning	REF	13:57:06

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TRO-EXERTI Colspan="2">Colspan="2" Colspan="2"						Subframe All			
Copure Buffer Definition Grand Anst Official - 46.0392200 minimum 21 Cirvy Barn 4.00 % Barn 4.01 ms/ Barn 4.01 ms/<		et 27.00 dB MIMO	1 Tx / 1 Rx	Frame C	ount 2 of 2 (2)				
13 dBm 140<					-				
31 dBm 4.36 % 4.36 %			●1 Clrw 3 E	VM vs Cari	rier 💿1 Avge	2 Min O3 Max	5 Power Spec	trum	●1 Clrw
39 3.9	Frame Start Offset : -46.639026879 ns 34 dBm		43	6 %			-51 dBm/Hz		
13m 1								And the state of the	
pp dam				1 1	1				
25. dbm 2.5 % 75. dbm/rdz 75. dbm/rdz 90. dbm/rdz 4.01 ms/ 4.01 ms/ 40.1 ms/ 1.57. % 1.63. % 1.57. % 2 Result Summary -15.36 MHz 3.07 MHz/ 15.36 MHz 3.07 MHz/ 15.36 MHz 2 Result Summary -15.36 MHz 3.07 MHz/ 15.36 MHz 3.07 MHz/ 15.36 MHz 3.07 MHz/ 2 Result Summary -15.36 MHz 3.07 MHz/ 15.36 MHz 3.07 MHz/ <td< td=""><td></td><td>a state to a</td><td></td><td></td><td>halfe a state of</td><td>d land</td><td></td><td></td><td></td></td<>		a state to a			halfe a state of	d land			
S 2.03 % 1.57 % 1.53 MHz 1.58 % 1.58 % 1.56 MHz 1.53 MHz		MARK MANAGEMENTER			אן במינור ביריי או בירו או				
-5 -74 to dt -15 to dt -17 to dt -17 to dt -87 dBm/Hz -93 dBm/Hz <td< td=""><td></td><td></td><td></td><td></td><td>n di Kabali a si Ni Kas</td><td>Aliable</td><td></td><td></td><td></td></td<>					n di Kabali a si Ni Kas	Aliable			
Trans Hull Hull <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1 1 1 1 1</td><td></td><td></td></t<>							1 1 1 1 1		
0.0 ms 4.01 ms/ 40.1 ms -15.36 MHz 3.07 MHz/ 15.36 MHz 3.07 MHz/	-5.					Mary and			
0.0 ms 4.01 ms/ 40.1 ms -15.36 MHz 3.07 MHz/ 15.36 MHz 3.07 MHz/	-7 Handle Manual	the state of the s		1 Martin a			1 1 1 1		
2 Result Summary 4 Constellation Diagram Frame Results 2/2 Mean Max Limit Min EVM PDSCH QPSK (%) 135.50 Points Measured : 235396 Points Measured : 235396 EVM PDSCH 16QAM (%) 1.58 1.58 9.00 1.58 EVM PDSCH 56QAM (%) 1.58 1.58 9.00 1.58 EVM PDSCH 256QAM (%) 1.63 2.58 1.24 EVM Phys Channel (%) 1.63 2.55 1.25 EVM Phys Signal (%) 1.73 2.99 1.19 Frequency Error (hz) -3.26 0.45 -12.69 Sampling Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Quadrature Error (°) -0.00 0.03 -0.02 Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 21.70 21.42 <td>-85 dBm</td> <td></td> <td>0.6</td> <td>4 %</td> <td></td> <td></td> <td>-99 dBm/Hz</td> <td></td> <td></td>	-85 dBm		0.6	4 %			-99 dBm/Hz		
Frame Results 2/2 Mean Max Limit Min EVM PDSCH QPSK (%) 18.50 17.50 EVM PDSCH 16QAM (%) 1.58 1.50 EVM PDSCH 64QAM (%) 1.58 9.00 EVM PDSCH 256QAM (%) 1.58 9.00 Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM Phys Channel (%) 1.63 2.58 EVM Phys Signal (%) 1.73 2.99 Frequency Error (Hz) -3.26 0.45 Sampling Error (ppm) 0.01 0.05 Quadrature Error (°) -0.00 0.03 /Q Offset (dB) -41.81 -42.35 //Q Quadrature Error (°) -0.00 0.03 //Q Quadrature Error (°) -0.00 0.03 RSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 21.52 21.70	0.0 ms 4.01	ms/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
Frame Results 2/2 Mean Max Limit Min EVM PDSCH QPSK (%) 18.50 17.50 EVM PDSCH 16QAM (%) 1.58 1.50 EVM PDSCH 64QAM (%) 1.58 9.00 EVM PDSCH 256QAM (%) 1.58 9.00 Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM Phys Channel (%) 1.63 2.58 EVM Phys Signal (%) 1.73 2.99 Frequency Error (Hz) -3.26 0.45 Sampling Error (ppm) 0.01 0.05 Quadrature Error (°) -0.00 0.03 /Q Offset (dB) -41.81 -42.35 //Q Quadrature Error (°) -0.00 0.03 //Q Quadrature Error (°) -0.00 0.03 RSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 21.52 21.70	2 Result Summary	•				4 Constellation	Diagram	· · · ·	
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Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM All (%) 1.63 2.58 1.24 EVM Phys Signal (%) 1.63 2.55 1.25 EVM Phys Signal (%) 1.73 2.99 1.19 Frequency Error (Hz) -3.26 0.45 -12.69 Sampling Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Quadrature Error (°) -0.00 0.00 -0.01 I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80		1.58	1.58	9.00	1.58	. · · ·		C 1 1	· ·
EVM All (%) 1.63 2.58 1.24 EVM Phys Channel (%) 1.63 2.55 1.25 EVM Phys Signal (%) 1.73 2.99 1.19 Frequency Error (Hz) -3.26 0.45 -12.69 Sampling Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Quadrature Error (°) -0.00 0.003 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80	EVM PDSCH 2560AM (%)			4.50			A & A	· · · ·	<i></i>
EVM Phys Channel (%) 1.63 2.55 1.25 EVM Phys Signal (%) 1.73 2.99 1.19 Frequency Error (Hz) -3.26 0.45 -12.69 Sampling Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Gain Imbalance (dB) -0.00 0.00 -0.01 I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80	Results for Selection Subfr	ames All, Selection	Ant 1, Frame	Results 2/	/2	1 T	- <u>19</u> - 19 - 19	1 T 🐺	-
EVM Phys Signal (%) 1.73 2.99 1.19 Frequency Error (hz) -3.26 0.45 -12.69 Sampling Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Gain Imbalance (dB) -0.00 0.00 -0.01 I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 PSSI (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80	EVM AII (%)	1.63	2.58		1.24		1 1 1 A		
Frequency Error (Hz) -3.26 0.45 -12.69 Samping Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Gain Imbalance (dB) -0.00 0.00 -0.01 I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80	EVM Phys Channel (%)	1.63	2.55		1.25				-
Sampling Error (ppm) 0.01 0.05 -0.08 I/Q Offset (dB) -42.10 -41.81 -42.35 I/Q Gain Imbalance (dB) -0.00 0.00 -0.01 I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 PSS1 (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80	EVM Phys Signal (%)	1.73	2.99				1 a a		•
I/Q offset (dB) -42.10 -41.81 -42.35 I/Q Gain Imbalance (dB) -0.00 0.00 -0.01 I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSS1 (dBm) 21.52 21.70 21.42 Power (dBm) 21.52 21.70 21.42	Frequency Error (Hz)	-3.26	0.45		-12.69				<u></u>
I/Q Gain Imbalance (dB) -0.00 0.00 -0.01 I/Q Quadrature Error (*) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80						l 👘	العرية الم	la a a	·
I/Q Quadrature Error (°) -0.00 0.03 -0.02 RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80						· · · · · · · · · · · · · · · · · · ·	e 17 - T - 🤏 I	· · · ·	
RSTP (dBm) -9.26 -9.08 -9.35 OSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 21.52 21.70								Å • •	` <u>.</u>
OSTP (dBm) 21.57 21.84 21.39 RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 21.52 21.70								1 T T	·
RSSI (dBm) 21.51 21.68 21.42 Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 10.80 10.80							- 🍠 🖕 🖕	🔒 💊 👋	
Power (dBm) 21.52 21.70 21.42 Crest Factor (dB) 10.80 20.00 20.00 20.00									*
Crest Factor (dB) 10.80 Measuring Measuring (M 26.10.									<u> </u>
Sure Found Measuring (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2			21.70		21.42	· ·	- -		*
	Crest Factor (dB)	10.80						l	
							:	17	26 10 2017
13:5			Sync Fou	nd			Measuring	ALC: NO.	13:57:15

13:57:15 26.10.2017

MultiView 🔠 Spectrum 🕅 Sp	5em3 🕅 Spe.	.m4 🕅	Spem5	🖾 іп 🛛 🗵	LTE2	Spem2		
Ref Level 37.00 dBm Freq	3.69 GHz Mode	DL TDD, 20 MH	z Capture	Time 40.1 ms	Subframe All			
Att 10 dB Offset	27.00 dB MIMO	1 Tx / 1 R	< Frame (Count 2 of 2 (2)				
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3	EVM vs Car	rier 🛛 🍳 🛛 Avg 🕻	🛢 2 Min 🛛 3 Max 🗋	5 Power Spect	rum	●1 Clrw
Frame Start Offset : -46.615582522 ns			36 %			-51 dBm/Hz		
34 dBm							and the second se	
dBm-			9 %			-57 dBm/Hz		
JBm -			43 %	al distance of the fits		-63 dBm/Hz		
n <mark>y</mark> DidBm <mark>rinanjaji na ina ina ina ina ina ina ina ina ina</mark>	Ni Mini Mendin I	11111111111	96 % 1	an i fada anala al	and a start	-69 dBm/Hz		
1749, 9910 T	Hannahar II - Harring II.	2.	5 %	L AND AND AN AND AND AND AND AND AND AND	sha din in .	-75 dBm/Hz		
-4		2.	03 %		1 total a	-81 dBm/Hz		
-5		1.	57 % // /////	A substitution of the second		-87 dBm/Hz		
-7 <mark>5,65,7,</mark> <mark>1,6,,2</mark>	hitelar the	1.	1 %	والمأشرة ويرواط كمنابط وربي	territiesis	-93 dBm/Hz		
-85 dBm	a de la companya de la		64 %	the little is a local data to the set	ملي الله الله الله الله الله الله الله ال	-99 dBm/Hz		
·····								· · · ·
0.0 ms 4.01 n	ns/	40.1 ms	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	5396 🕴		
EVM PDSCH QPSK (%)			18.50					
EVM PDSCH 16QAM (%)			13.50		ll 🔥	A 4 4		<u> ()</u>
EVM PDSCH 64QAM (%)	1.64	1.64	9.00	1.64				
EVM PDSCH 256QAM (%)			4.50			A & A	6 8 🦽	<u></u>
Results for Selection Subfran	mes All, Selection	Ant 1, Fram	e Results 2	/2			- 1 <u>- 5</u>	
EVM All (%)	1.67	2.64		1.21		1 × 1		<u></u>
EVM Phys Channel (%)	1.67	2.62		1.21				
EVM Phys Signal (%)	1.75	2.89		1.19				<u>A</u>
Frequency Error (Hz)	-2.26	2.45		-13.12				<u></u>
Sampling Error (ppm)	-0.00	0.04		-0.08		່ 🧸 🖕 🔊 🗍		1. A.
I/Q Offset (dB)	-42.08	-41.79		-42.31		• T T 🐨	· · ·	
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		·		1 a
I/Q Quadrature Error (°)	0.00	0.03		-0.02		~ ~ ~	4 1 4	
RSTP (dBm)	-9.21	-9.04		-9.30		A 2 4	a a 💊	<u>.</u>
OSTP (dBm)	21.62	21.89		21.44	II *	- 🕋 🤾 🌯	. <u></u> .	-
RSSI (dBm)	21.56	21.72		21.47			S	<u>_</u>
Power (dBm)	21.56	21.75		21.46	II *	- 🔻 🤻 🔺	* * *	.
Crest Factor (dB)	10.91							
						<u></u>		
		Sync Fo	und			Measuring		26.10.2017
		oyner o					REF	13:57:24

13:57:25 26.10.2017

MultiView 🔠 Spectrum	Spem3 X Spe	n4 🕅	Spem5	🛛 іт 🌔	X LTE2 2	Spem2	X	
		DL TDD, 20 MH		Time 40.1 ms				
 Att 10 dB Offse TRG:EXT1 	et 27.00 dB MIMO	1 Tx / 1 R	× Frame C	ount 2 of 2 (2)	I			
1 Capture Buffer		●1 Clrw 3	EVM vs Car	rier 😐 1 Ava	●2 Min●3 Max	5 Power Spec	trum	●1 Clrw
Frame Start Offset : 724,323570012 ns								
.34 dBm			.36 %			-51 dBm/Hz	manstructo	monthing m
dBm-			.9 %			-57 dBm/Hz		
dBm —			.43 %	daile di Nada		-63 dBm/H <mark>z</mark>		
in D dBm and a financial state of the second s			.96 %			-69 dBm/Hz		
+25_dBm		2	.5 %	AND REAL TRACK		-75 dBm/Hz		
-4		2	.03 %	ar state ally by the state with		-81 dBm/Hz		
-5.		1	.57 % /	with the second		-87 dBm/Hz		
-7 <mark>mal//</mark>	- Hudyger - M	1 1	1 % 4.0.00	tracite area a states	111111111111	-93 dBm/Hz		
-85 dBm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		.64 %		<u>ति के प्रति</u> जी	-99 dBm/Hz		V
					15.00 MU			
	ms/	40.1 ms	15.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio		я	
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 2	35396	*	
EVM PDSCH QPSK (%)	2.13	2.13	18.50	2.13				
EVM PDSCH 16QAM (%)	1.30	1.30	13.50	1.30				
EVM PDSCH 64QAM (%)			9.00			- ₽ (_ ₽)	1. 🕐	\$
EVM PDSCH 256QAM (%)			4.50	10		6		
Results for Selection Subfr			e Results 2,					
EVM All (%)	1.77	2.48		1.50		*		
EVM Phys Channel (%)	1.78	2.48		1.52		N N	*	
EVM Phys Signal (%)	1.52	2,48		1.06				
Frequency Error (Hz)	-2.75	2.85		-12.17		*	÷	*
Sampling Error (ppm) I/O Offset (dB)	-0.00	0.06		-0.11 -42.94	-11			
I/Q Offset (db) I/O Gain Imbalance (dB)	-42.71	-42.18		-42.94		🀐 🔶 🖗		
I/Q Gain Imbalance (db) I/Q Quadrature Error (°)	0.00	0.00		-0.00		8		
RSTP (dBm)	-9,27	-9,12		-0.02	-11		<u>_</u>	•
OSTP (dBm)	21,56	21.70		21,36		*	🎐	
RSSI (dBm)	21.50	21.73		21.40		🐞 É 🍅 👘	1 · · · ·	
Power (dBm)	21.50	21.70		21.38	-			
Crest Factor (dB)	10.86	0		00				
					-11		*	
		0			-/?			26.10.2017
		Sync Fo	una			Measuring	ALC: NO	11:09:01

11:09:02 26.10.2017

TROPERTI I Cirv 3 I Cirv	MultiView 🔠 Spectrum 🕅 Sj	pem3 🛛 Spe.	.m4 🔀 :	Spem5	Х гт 🛛	🛛 🛛 🖾	Spem2	X		
TRG: EXT1 I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv I Cirv <th co<="" td=""><td>Ref Level 37.00 dBm Freq</td><td>3.68 GHz Mode</td><td>DL TDD, 20 MH</td><td>z Capture</td><td>Time 40.1 ms</td><td>Subframe All</td><td></td><td></td><td></td></th>	<td>Ref Level 37.00 dBm Freq</td> <td>3.68 GHz Mode</td> <td>DL TDD, 20 MH</td> <td>z Capture</td> <td>Time 40.1 ms</td> <td>Subframe All</td> <td></td> <td></td> <td></td>	Ref Level 37.00 dBm Freq	3.68 GHz Mode	DL TDD, 20 MH	z Capture	Time 40.1 ms	Subframe All			
LCDDUC BUILET 1 GIN 3 EVM vs Carrier 1 Avg @ 2 Min @ 3 Max 5 Power Spectrum 0 1 Chw 0 amount of the rate o	Att 10 dB Offset	27.00 dB MIMO	1 Tx / 1 Rx	Frame (Count 2 of 2 (2)					
Trans San Office 1: 273: 1053770; 05 1	TRG:EXT1									
34 dbm dbm 4.36 %	1 Capture Buffer		• 1 Clrw 3 I	EVM vs Car	rier 🛛 🌖 Avg 🕻	2 Min O3 Max	5 Power Spec	trum	●1 Clrw	
demonstration 3.9 % 3.9 %	Frame Start Offset : 729.516557365 ns									
Ban- bl demonstration 3.43 %							-51 dBm/Hz	man man market	and have been	
bp dam image: image										
4	dBm -			43 %	ta kati di kata kati					
4	ng D dBm nin nin nin nin nin nin nin nin nin ni	ili i station kari i ikal	2.9	96 % -						
-5 -7(r) -11 -9 -9 -97 -15 -36 -15 -97 -15 -15 -15 -15 -15 -15 -15 -15 -15 -15 -15 -15 -15 -97 -97 -97 -97 -97 -97 -97 -9	-2 <mark>5 dBm</mark>	and the second s	2.1	5 %			-75 dBm/Hz			
-5 -6 -7 <td< td=""><td>-4</td><td></td><td>2.1</td><td>3 %</td><td></td><td></td><td>-81 dBm/Hz</td><td></td><td></td></td<>	-4		2.1	3 %			-81 dBm/Hz			
-7 -7 -11	-5			57 %	Mapped and the part of the par		-87 dBm/Hz			
	-76.00	- Nation	1.1	1 %	till attack to the second		-93 dBm/Hz			
4.01 ms/ 40.1 ms/	-85 dBm	11 T			1.		ll i th l		V	
2 Result Summary 4 Constellation Diagram Frame Results 2/2 Mean Max Limit Min EVM PDSCH QPSK (%) 2.16 2.16 18.50 2.16 EVM PDSCH 16QAM (%) 1.33 1.33 1.350 1.33 EVM PDSCH 64QAM (%) 4.50 8.50 8.50 Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 8.50 EVM PDSCH 256QAM (%) 1.79 2.68 1.50 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.02 0.05 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Quadrature Error (°) 0.00 0.02 -0.02 RSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 21.62 21.76										
Frame Results 2/2 Mean Max Limit Min Points Measured : 235396 EVM PDSCH QPSK (%) 2.16 2.16 18.50 2.16 EVM PDSCH 16QAM (%) 1.33 1.33 13.50 1.33 EVM PDSCH 16QAM (%) 1.33 1.33 13.50 1.33 EVM PDSCH 256QAM (%) 0 9.00 4.50 EVM PDSCH Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM All (%) 1.79 2.68 1.50 EVM Phys Channel (%) 1.81 2.69 1.51 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.00 0.005 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Qudrature Error (°) 0.00 0.002 -0.02 RSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09		ms/	40.1 ms -1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz	
EVM PDSCH QPSK (%) 2.16 2.16 18.50 2.16 EVM PDSCH 16QAM (%) 1.33 1.33 13.50 1.33 EVM PDSCH 64QAM (%) 0.00 4.50 EvM PDSCH 256QAM (%) 0.00 4.50 EvM PDSCH 256QAM (%) 1.79 2.68 1.50 EVM API(%) 1.79 2.68 1.50 EVM Phys Channel (%) 1.81 2.69 1.52 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (pm) 0.02 0.005 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Goain Imbalance (dB) 0.00 0.00 -0.00 I/Q Qudrature Error (°) 0.00 0.02 -0.02 STP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 - -	2 Result Summary					4 Constellatio	n Diagram			
EVM PDSCH i6QAM(%) 1.33 1.33 13.30 9.00 EVM PDSCH 46QAM(%) 9.00 9.00 9.00 9.00 EVM PDSCH 256QAM(%) 1.79 2.68 1.50 Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM All (%) 1.79 2.68 1.50 EVM Phys Channel (%) 1.81 2.69 1.52 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.02 0.05 -0.02 I/Q Grist (dB) -42.74 -42.51 -43.07 I/Q Gain Imbalance (dB) 0.00 0.002 -0.02 STP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	35396	•		
EVM PDSCH 640AM(%) 9.00 EVM PDSCH 256QAM(%) 4.50 Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM All (%) 1.79 EVM Phys Channel (%) 1.81 EVM Phys Signal (%) 1.54 EVM Phys Signal (%) 1.54 EVM Phys Signal (%) 0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Quadrature Error (*) 0.00 0.002 -0.02 I/Q Quadrature Error (*) 0.00 Strift (dBm) -9.14 RSTP (dBm) 21.62 Power (dBm) 21.62 Tore Secure 21.75 Crest Factor (dB) 11.09	EVM PDSCH QPSK (%)	2.16	2.16	18.50	2.16					
EVM PDSCH 25SQAM(%) 4.50 Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM All (%) 1.79 2.68 1.50 EVM All (%) 1.81 2.69 1.52 EVM Phys Channel (%) 1.81 2.69 1.52 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.02 0.005 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Gain Imbalance (dB) 0.00 0.00 -0.00 I/Q Quadrature Error (°) 0.000 0.02 -0.02 STP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	EVM PDSCH 16QAM (%)	1.33	1.33	13.50	1.33					
Results for Selection Subframes All, Selection Ant 1, Frame Results 2/2 EVM All (%) 1.79 2.68 1.50 EVM Phys Channel (%) 1.81 2.69 1.52 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.02 0.055 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Guffset (dB) 0.00 0.00 -0.002 I/Q Qudrature Error (*) 0.00 0.002 -0.022 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 - -	EVM PDSCH 64QAM (%)			9.00			&	7 🐞		
EVM All (%) 1.79 2.68 1.50 EVM Phys Channel (%) 1.81 2.69 1.52 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.02 0.05 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Quadrature Error (°) 0.00 0.002 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	EVM PDSCH 256QAM (%)			4.50			^	-		
EVM Phys Channel (%) 1.81 2.69 1.52 EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (pm) 0.02 0.05 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Gain Imbalance (dB) 0.00 0.00 -0.00 I/Q Quadrature Error (°) 0.00 0.02 -0.02 STP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	Results for Selection Subfra	mes All, Selection	n Ant 1, Frame	e Results 2	/2					
EVM Phys Signal (%) 1.54 2.63 1.11 Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (ppm) 0.02 0.05 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Gin Imbalance (dB) 0.00 0.00 -0.02 I/Q Quarture Error (°) 0.00 0.00 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 -42.74 26.10.2017	EVM All (%)	1.79	2.68		1.50			7		
Frequency Error (Hz) -2.89 2.74 -11.53 Sampling Error (pm) 0.02 0.05 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Quadrature Error (°) 0.00 0.002 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	EVM Phys Channel (%)	1.81	2.69		1.52		х х л			
Sampling Error (ppm) 0.02 0.05 -0.02 I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Gain Imbalance (dB) 0.00 0.00 -0.00 I/Q Quadrature Error (°) 0.00 0.02 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	EVM Phys Signal (%)	1.54	2.63		1.11		₹ T	-	*	
I/Q Offset (dB) -42.74 -42.51 -43.07 I/Q Giffset (dB) 0.00 0.00 -0.00 I/Q Quadrature Error (°) 0.00 0.00 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 QSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.77 21.51 Power (dBm) 21.62 21.77 21.51	Frequency Error (Hz)	-2.89	2.74		-11.53		• ·	1	4	
J/Q Gain Imbalance (dB) 0.00 0.00 -0.00 I/Q Quadrature Error (°) 0.00 0.02 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	Sampling Error (ppm)	0.02	0.05		-0.02			1		
I/Q Quadrature Error (°) 0.00 0.02 -0.02 RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.62 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	I/Q Offset (dB)	-42.74	-42.51		-43.07	1	%		_	
RSTP (dBm) -9.14 -8.99 -9.22 OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 4000000000000000000000000000000000000	I/Q Gain Imbalance (dB)	0.00			-0.00		· ·		S	
OSTP (dBm) 21.62 21.75 21.54 RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 2000000000000000000000000000000000000			0.02							
RSSI (dBm) 21.63 21.76 21.49 Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09 20.0217 20.0217	RSTP(dBm)	-9.14	-8.99		-9.22					
Power (dBm) 21.62 21.77 21.51 Crest Factor (dB) 11.09	OSTP (dBm)	21.62	21.75		21.54		1997 - Alexandre Ale	· · · · · · · · · · · · · · · · · · ·		
Crest Factor (dB) 11.09	RSSI (dBm)	21.63	21.76		21.49		🔹 🔺 🤞	🗴 🗢	*	
Pune Found Maxwing Maxwing 26.10.2017	Power (dBm)	21.62	21.77		21.51					
	Crest Factor (dB)	11.09								
][*		
			Sync For	und			Measuring		26.10.2017 11:07:24	

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Multi¥iew 🕄 Spectrum 🛛 🖾 S	pem3 🛛 Spe1	n4 🕅 SI	em5	X LTE X	K) LTE2	Spem2	X	\bigtriangledown
		DL TDD, 10 MH		eTime 40.1 ms				
	27.00 dB MIMO	1 Tx / 1 R:	< Frame	Count 2 of 2 (2))			
TRG:EXT1								
1 Capture Buffer		●1 Clrw 3 E	VM vs Car	rier 🛛 🌖 Avg 🕻	2 Min 🛛 3 Max	5 Power Spec	trum	●1 Clrw
Frame Start Offset : -41.27020503L ns		36	45 %			-51 dBm/Have		
dBm-			57 %			-58 dBm/Hz	Armen Marine	many
dBm				المعاليا البارانا و	. I. A	-64 dBm/Hz		
and the set of the set	nd Howking Lathorn	the first states of the		MUNICIPAL DALLARY	4 497 8 9			
TTO ODUING CONTRACTOR NUMBER			12 %			-71 dBm/Hz		
+29.dBm	and an and a second second		35 %			-77 dBm/Hz		
-4			57 % /	WWW. WWWW		-84 dBm/Hz		
-5.		1.3	· ~ · · ·			-90 dBm/Hiz		
-7 <mark>1 140 17 18 18 18 18 18 18 18</mark>		1.0	12 % - 111 /	unine system in the second	addisated have been been been been been been been be	-97 dBm/Hz		
-88 dBm	··· · · · ·	0.6	25 % 177	باجا الأحطال الشقار وأطلما لمداء	and a state of the second s	-103 dBm/Hz		
0.0 ms 4.01	ms/	40.1 ms -7	68 MHz	1.54 MHz/	7,68 MHz	-7.68 MHz	1.54 MHz/	7,68 MHz
2 Result Summary	,	/		, í	4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Мах	Limit	Min	Points Measured : 1:			
EVM PDSCH OPSK (%)	2.02	2.02	18.50	2.02				
EVM PDSCH QPSK (%) EVM PDSCH 16QAM (%)	1,22	1.22	13.50	1,22				
EVM PDSCH 100AM (%)	1.22	1.22	9.00	1,22		a a :		
EVM PDSCH 2560AM (%)			4.50					·
	mes All, Selection	Ant 1. Frame		12				
EVM AII (%)	1.69	2.38	reserve z	1.41				
EVM Phys Channel (%)	1.70	2.37		1.42				_
EVM Phys Signal (%)	1.49	2,47		1.42		¢ 8		*
Frequency Error (Hz)	-6.74	-2.16		-12.81		*		
Sampling Error (ppm)	-0.06	0.05		-0.27		*	•	*
I/O Offset (dB)	-41.66	-41.39		-42.03		*		
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		۰ ۲	• •	P
I/O Ouadrature Error (°)	-0.00	0.02		-0,03				
RSTP (dBm)	-9.02	-8.87		-9,10		6	*	
OSTP (dBm)	18.76	19.09		18.61				
RSSI (dBm)	18.78	18.95		18.67		# # e	* 4	<u>k</u>
Power (dBm)	18.75	18.92		18.65				
Crest Factor (dB)	10.42							
							<u></u>	
		Sync Fou	nd			Measuring		26.10.2017
		- ayne Fuu				measuring	REF	11:14:02

11:14:02 26.10.2017

	3.66 GHz Mode t 27.00 dB MIMO	DL TDD, 20 M 1 Tx / 1		Time 40.1 ms Count 2 of 2 (2)				
1 Capture Buffer		o1 Clrw (3 EVM vs Cai	rier 🗛1 Ava	●2 Min●3 Max	5 Power Spec	trum	●1 Clr
rame Start Offset : 724.310211808 ns								
14 dBm			4.36 %			-51 dBm/Hz	moundary	month m
dBm-			3.9 %			-37 ubili/ne		
dBm			3.43 %			-63 dBm/Hz		
D dBm <mark>aaraanin an a</mark> ndaraa ah	nuk inskrivitiskom,	an dirin Rubai	2.96 %			-69 dBm/Hz		
25.dBm	and the state state	44. 14.6	2.5 %			-75 dBm/Hz		
4			2.03 %	A DEAL OF A DEAL DEAL OF A	<u>n n n</u>	-81 dBm/Hz-		
4			1.57 %	When the second		-87 dBm/Hz		
	a a das		110 11			-93 dBm/Hz		
85 dBm			0.64 %		WILLIAM I	-99 dBm/Hz		
			0.04 %		· · · · · ·			
.0 ms 4.01	ms/	40.1 ms	-15.36 MHz	3.07 MHz/	15.36 MHz	z -15.36 MHz	3.07 MHz/	15.36 MI
Result Summary					4 Constellati	on Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured :	235396	•	
EVM PDSCH QPSK (%)	2.11	2.11	18.50	2.11	1		Í	
EVM PDSCH 16QAM (%)	1.28	1.28	13.50	1.28			1	
EVM PDSCH 64QAM (%)			9.00			🐞 🐞 👘	1 👌	#
EVM PDSCH 256QAM (%)			4.50			. a.	1.000	
Results for Selection Subfra	ames All, Selection	n Ant 1, Frar	ne Results 2	:/2			- S	
EVM All (%)	1.75	2.54		1.44			· ·	8
EVM Phys Channel (%)	1.76	2.55		1.46		6 8		
EVM Phys Signal (%)	1.50	2.41		1.13			1	
Frequency Error (Hz)	-4.49	-0.51		-15.09			L	
Sampling Error (ppm)	0.00	0.04		-0.05		-	í —	
I/Q Offset (dB)	-42.71	-42.19		-42.96		1 N		<u>.</u>
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00		- T	· ·	*
I/Q Quadrature Error (°)	0.00	0.03		-0.02	_			÷
RSTP (dBm)	-9.22	-9.07		-9.30		0	S	
OSTP (dBm)	21.61	21.75		21.42		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
RSSI (dBm)	21.55	21.78		21.44	_	🖗 🌾	3 🗣	*
Power (dBm)	21.56	21.75		21.43			1	
Crest Factor (dB)	10.92				_		1	
					11		*	

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Ref Level 37.00 dBm Freq		DL TDD, 20 MH	z Capture	Time 40.1 ms	Subframe All	Spem2	X	
		1 Tx / 1 R> • 1 Cirw • 1 Cirw • 3 •	Frame C EVM vs Car 36 % 9 % 43 % 43 % 5 % 33 % 33 % 33 % 37 %	ount 2 of 2 (2)	2 Min • 3 Max	5 Power Spe -51 dBm/H2 -57 dBm/H2 -69 dBm/H2 -69 dBm/H2 -81 dBm/H2 -87 dBm/H2 -93 dBm/H2 -99 dBm/H2	trum	
0.0 ms 4.01 n	ns/	40.1 ms - 1	5.36 MHz	3.07 MHz/	15.36 MHz	-15.36 MHz	3.07 MHz/	15.36 MHz
2 Result Summary					4 Constellatio	n Diagram		
Frame Results 2/2	Mean	Max	Limit	Min	Points Measured : 23	15396	4	
EVM PDSCH OPSK (%)	2.17	2.17	18.50	2.17	1			
EVM PDSCH 16QAM (%)	1.32	1.32	13.50	1,32				
EVM PDSCH 640AM (%)			9.00			4 . 4	* 💣	ð
EVM PDSCH 2560AM (%)			4.50			1 A 1		
Results for Selection Subfran	mes All, Selection	Ant 1, Frame	Results 2	/2		9	, <u>e</u>	
EVM All (%)	1.80	2.54		1.49				
EVM Phys Channel (%)	1.81	2.54		1.51		â .		
EVM Phys Signal (%)	1.56	2.58		1,16		7 7	-	
Frequency Error (Hz)	-4.31	-1.48		-12.51			<u> </u>	
Sampling Error (ppm)	0.01	0.08		-0.06			7	-
I/Q Offset (dB)	-42.68	-42.43		-43.00		*	L .	
I/Q Gain Imbalance (dB)	0.00	0.00		-0.00		* , *		*
I/Q Quadrature Error (°)	0.01	0.02		-0.01			•	
RSTP (dBm)	-9.12	-8.96		-9.20		6		
OSTP (dBm)	21.65	21.77		21.56			I 🦉	
RSSI (dBm)	21.65	21.79		21.51		🔹 🔅 a	2 🌹	*
Power (dBm)	21.64	21.79		21.54				
Crest Factor (dB)	11.11							
]		*	
		Sync Fo	und			Measuring	Concernant State	26.10.2017

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fultiView 🔠 Spectrum 🕅 S	pem3 🕅 Spe	m4 🕅 S	pem5	🛛 і п 🖾	LTE2 🗵	Spem2	X	
Ref Level 37.00 dBm Freq	3.695 GHz Mode	DL TDD, 10 MH	lz Captur	e Time 40.1 ms	Subframe A		_	
Att 10 dB Offset	27.00 dB MIMC) 1 Tx / 1 R	× Frame	Count 2 of 2(2)				
TRG:EXT1								
Capture Buffer		01 Clrw 3 E	VM vs Car	rier 🛛 🌖 Avg	2 Min • 3 Max	5 Power Spec	trum	●1 Clrw
rame Start Offset : -41.336207346 ns dBm dBm			67 %			-51 dBm/Hz	Jon Mar Mar Market	m
dBm 15 dBm Heating to altra anna anna anna anna anna anna anna a		<mark> </mark>	9 %			- 64 dBm/Hz - 71 dBm/Hz - 77 dBm/Hz		
5 		1.3	0 70	where where where		-84 dBm/Hz		
7 <mark>8 46 7 </mark>		0.6	25 %	******		-97 dBm/Hz		
.0 ms 4.01 r	ns/	40.1 ms -7	.68 MHz	1.54 MHz/	7.68 MHz		1.54 MHz/	7.68 MHz
Result Summary					4 Constellatio			
Frame Results 2/2	Mean	Мах	Limit	Min	Points Measured : 1	17796		
EVM PDSCH QPSK (%)	1.99	1.99	18.50	1.99				
EVM PDSCH 16QAM (%)	1.22	1.22	13.50	1.22				
EVM PDSCH 64QAM (%)			9.00			8 4 1	• .	•
EVM PDSCH 256QAM (%) Results for Selection Subfra			4.50	10			100	
	mes All, Selection		Results Z			•		
EVM All (%)	1.67	2.43		1.42				
EVM Phys Channel (%)	1.68	2.43		1.43		10 III	•	•
EVM Phys Signal (%)	1.48	2.52		1.05		м.		*
Frequency Error (Hz)	-5.50	-2.33		-13.85		* 1		*
Sampling Error (ppm)	-0.00	0.08		-0.07		*		
I/Q Offset (dB)	-41.60	-41.47		-41.94		ø a		4
I/Q Gain Imbalance (dB)	-0.00	0.00		-0.00				
I/Q Quadrature Error (°)	-0.00	0.02		-0.02		1 Aug.		
RSTP (dBm)	-9.06	-8.90		-9.13		e	6	
OSTP (dBm)	18.73 18.75	19.06 18.92		18.58		a	6 ¹	•
RSSI (dBm) Power (dBm)	18.75	18.92		18.64 18.62		- •/	•	*
Power (dBm) Crest Factor (dB)	18.72	18.89		18.62				
urest Factor (db)	10,40							
		Sync Fou		,	Į	Measuring		26.10.2017

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